BUILDING DATA

SCOPE OF WORK:

PROJECT INCLUDES THE CONSTRUCTION OF A NEW CULINARY AND LAUNDRY FACILITY AT THE NORTHERN NEVADA CORRECTIONAL CENTER. IT IS A MASONRY BEARING WALL, SINGLE STORY BUILDING WITH TAMPERED INSULATION PVC ROOF OVER STEEL STRUCTURE. THE PROGRAM INCLUDES (2) CHOW HALLS WITH 180 SEATS EACH, COMMERCIAL KITCHEN, BAKERY, FOOD STORAGE, AND LAUNDRY SERVICES FOR THE ENTIRE CAMPUS.

APPLICABLE CODES:

2024 INTERNATIONAL BUILDING CODE (IBC)
2024 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2023 NATIONAL ELECTRICAL CODE (NEC)
2024 UNIFORM PLUMBING CODE (UPC)
2024 UNIFORM MECHANICAL CODE (UMC)
2024 INTERNATIONAL FIRE CODE (IFC)
ANSI/ASHRAE STANDARD 90.1, ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

CODE ANALYSIS - BUILDING

CHAPTER 3: OCCUPANCY
A (ASSEMBLY A-2) CAFETERIAS/KITCHEN
B (BUSINESS) OFFICE/LAUNDRY
I (INSTITUTIONAL) CORRECTIONAL CENTER

CHAPTER 4: SPECIAL DETAILED REQUIREMENTS BASED ON OCCUPANCY AND USE
SECTION 408 GROUP I-3

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS
ALLOWABLE BUILDING HEIGHT 75FT
ACTUAL BUILDING HEIGHT 20FT

ALLOWABLE NUMBER OF STORIES
A-2 3
B 4
NUMBER OF STORIES 1

ALLOWABLE AREA (S1)
A-2 38,000SF
B 92,000SF
FRONTAGE INCREASE NOT USED

BUILDING 1 (KITCHEN/DINING)
LEVEL 1 SF 37,640SF
OVERHANGS 3,082SF
BUILDING TOTAL 40,722SF

BUILDING 2 (LAUNDRY)
LEVEL 1 SF 5,020SF
OVERHANGS 96SF
BUILDING TOTAL 5,116SF

PROJECT AREA TOTAL 45,838SF

SECTION 508.3 NONSEPARATED OCCUPANCIES
BUILDING TO BE CONSIDERED NONSEPARATED OCCUPANCY, THE MOST RESTRICTIVE ALLOWANCES FOR AREA, HEIGHT, AND STORIES SHALL BE USED.

DEFERRED SUBMITTALS:
FIRE SPRINKLERS
FIRE ALARM
STOREFRONT SYSTEM
SEISMIC RESTRAINTS FOR MEP

GENERAL INFORMATION:
SITE AREA = ±6.9 ACRES
ZONING = P - PUBLIC
SETBACKS = N/A
INSULATION = REFER TO G2.0
STRUCTURAL DESIGN = REFER TO S0.1

CHAPTER 6: TYPES OF CONSTRUCTION
CONSTRUCTION TYPE IIB

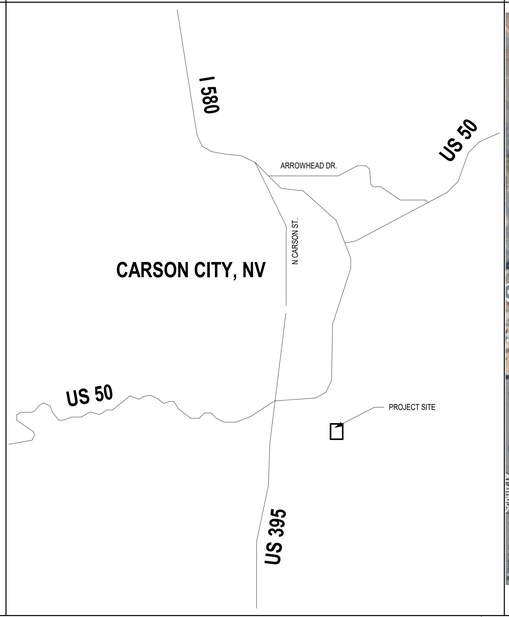
CHAPTER 7: FIRE AND SMOKE PROTECTION FEATURES
SECTION 705 EXTERIOR WALLS; TABLE 705.5
FIRE SEPARATION DISTANCE 10 > X = 1HR
10 ≤ X = 0HR
SECTION 706 FIRE WALLS; TABLE 706.4
FIRE WALL FIRE-RESISTANCE RATINGS A,B = 2HR PER NOTE a
DOUBLE WALL PER NFPA 221_4.5 1HR EACH WALL
FIRE RATED ASSEMBLIES:

CHAPTER 9: FIRE PROTECTION AND LIFE SAFETY SYSTEMS
SECTION 903 AUTOMATIC SPRINKLER SYSTEMS
BUILDING SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM
SECTION 907 FIRE ALARM AND DETECTION SYSTEMS
BUILDING SHALL BE EQUIPPED THROUGHOUT WITH A FIRE ALARM SYSTEM

CHAPTER 10 MEANS OF EGRESS
SECTION 1004 OCCUPANCY LOAD
TOTAL BUILDING OCCUPANT LOAD: 850
SECTION 1017 EXIT ACCESS TRAVEL DISTANCE
A OCCUPANCY W/SPRINKLER: 250 FEET
B OCCUPANCY W/SPRINKLER: 300 FEET

CHAPTER 17 SPECIAL INSPECTIONS AND TESTS
COORDINATE ADDITIONAL SPECIAL INSPECTIONS AS REQUIRED BY THE SPECIFICATIONS AND IBC CHAPTER 17 WITH THE OWNER CONTRACTED SPECIAL INSPECTOR

LOCATION MAP



VICINITY MAP



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DRAWINGS INDEX

DRAWING NUMBER	DRAWING TITLE
GENERAL	
G0.1	COVER SHEET
G1.1	BUILDING CODE AND EGRESS PLAN
G1.2	BUILDING SECURITY PLAN
G2.0	GENERAL NOTES
G3.0	GENERAL DETAIL
CIVIL	
C0.00	GENERAL NOTES
C0.01	LEGEND & ABBREVIATIONS
C1.01	SURVEY CONTROL PLAN
C1.02	DEMOLITION PLAN
C1.03	PHASING AND STAGING PLAN
C2.01	HORIZONTAL CONTROL SHEET
C3.01	SITE PLAN
C3.02	GRADING PLAN
C3.03	GRADING SECTIONS 1 & 2
C3.04	GRADING SECTIONS 3 & 4
C4.01	OVERALL UTILITY PLAN
C4.02	SEWER ALIGNMENT A PLAN & PROFILE
C4.03	SEWER ALIGNMENT B PLAN & PROFILE
C4.04	SEWER ALIGNMENT C PLAN & PROFILE
C4.05	SEWER ALIGNMENT D PLAN & PROFILE
C4.06	UTILITIES PLAN SHEET
C5.01	DETAILS I
C5.02	DETAILS II
C5.03	DETAILS III
C5.04	DETAILS IV
C5.05	DETAILS V
C5.06	DETAILS VI
C5.07	DETAILS VII
C5.08	DETAILS VIII
C5.09	DETAILS IX
C5.10	DETAILS X
ARCHITECTURAL	
A1.0	OVERALL ARCHITECTURAL SITE PLAN
A1.1	PREFABRICATED GUARD SHACK
A2.0	OVERALL DIMENSION PLAN
A2.1	OVERALL BUILDING FLOOR PLAN
A2.1A	BUILDING FLOOR PLAN - AREA A
A2.1AD	BUILDING DIMENSION PLAN - AREA A
A2.1B	BUILDING FLOOR PLAN - AREA B
A2.1BD	BUILDING DIMENSION PLAN - AREA B
A2.1F	OVERALL BUILDING FLOOR FINISH PLAN
A2.1S	OVERALL BUILDING SLAB PLAN
A2.10	OVERALL ROOF PLAN
A3.1	OVERALL REFLECTED CEILING PLAN
A3.1A	REFLECTED CEILING PLAN - AREA A
A3.1B	REFLECTED CEILING PLAN - AREA B
A4.0	EXTERIOR ELEVATIONS
A4.1	BUILDING SECTIONS
A4.2	BUILDING SECTIONS
A4.3	WALL SECTIONS
A4.4	WALL SECTIONS
A4.5	WALL SECTIONS
A4.6	WALL SECTIONS
A5.0	DOOR SCHEDULE & WALL TYPES
A5.3	EXTERIOR WINDOW ELEVATIONS
A5.4	INTERIOR WINDOW ELEVATIONS
A5.5	ROOM FINISH & MATERIAL SCHEDULES
A6.0	ENLARGED RESTROOMS
A7.0	CIRCULATION PLANS - GUN CAGE
A9.1	INTERIOR DETAILS

DRAWING NUMBER	DRAWING TITLE
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S0.1	STRUCTURAL NOTES
S0.2	STRUCTURAL NOTES
S0.3	STATEMENT OF SPECIAL INSPECTIONS
S1.1	STANDARD DETAILS
S1.2	STANDARD DETAILS
S2.1A	FOUNDATION PLAN - AREA A
S2.1B	FOUNDATION PLAN - AREA B
S2.2A	ROOF FRAMING PLAN - AREA A
S2.2B	ROOF FRAMING PLAN - AREA B
S3.1	WALL ELEVATIONS
S3.2	WALL ELEVATIONS
S3.3	WALL ELEVATIONS
S3.4	WALL ELEVATIONS
S3.5	WALL ELEVATIONS
S3.6	WALL ELEVATIONS
S3.7	WALL ELEVATIONS
S3.8	WALL ELEVATIONS
S3.9	WALL ELEVATIONS
S3.10	WALL ELEVATIONS
S3.11	WALL ELEVATIONS
S3.12	WALL ELEVATIONS
S3.13	WALL ELEVATIONS
S4.1	400 SERIES DETAILS
MECHANICAL	
M0.1	MECHANICAL SCHEDULES, LEGEND, NOTES & INDEX
M0.2	MECHANICAL SCHEDULES
M0.3	MECHANICAL SCHEDULES
M1.1	SITE PLAN DEMOLITION
M1.2	SITE PLAN ALTERATION
M1.3	ZONING PLAN
M2.1	OVERALL BUILDING FLOOR PLAN
M2.21	OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA A
M2.22	OVERALL MECHANICAL PIPING BUILDING FLOOR PLAN - LEVEL 1 - AREA A
M2.31	OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA B
M2.32	OVERALL MECHANICAL PIPING BUILDING FLOOR PLAN - LEVEL 1 - AREA B
M4.1	OVERALL MECHANICAL ROOF PLAN
M5.1	MECHANICAL PIPING DIAGRAM FOR DHW
M6.1	MECHANICAL DETAILS
M6.2	MECHANICAL DETAILS
M6.3	MECHANICAL DETAILS
M7.1	TEMPERATURE CONTROLS
M7.2	TEMPERATURE CONTROLS
PLUMBING	
P0.1	PLUMBING SCHEDULES, LEGEND, NOTES, & INDEX
P1.2	PLUMBING SITE PLAN
P2.1	OVERALL PLUMBING FLOOR PLAN
P2.21	PARTIAL PLUMBING FLOOR PLAN - AREA A WASTE/VENT
P2.22	PARTIAL PLUMBING FLOOR PLAN - AREA A WATER/GAS
P2.31	PARTIAL PLUMBING FLOOR PLAN - AREA B WASTE/VENT
P2.32	PARTIAL PLUMBING FLOOR PLAN - AREA B WATER/GAS
P3.1	ENLARGED PLUMBING FLOOR PLANS
P4.1	OVERALL PLUMBING ROOF PLAN
P5.1	PLUMBING PIPING DIAGRAM FOR DHW
P6.1	PLUMBING DETAILS
P6.2	PLUMBING DETAILS
FIRE PROTECTION	
FP0.1	FIRE PROTECTION SCHEDULES, LEGEND, ENLARGED PLAN & NOTE
FP1.1	FIRE PROTECTION OVERALL BUILDING FLOOR PLAN
FP1.2	OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA A
FP1.3	OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA B

DRAWING NUMBER	DRAWING TITLE
ELECTRICAL	
E0.1	ELECTRICAL LEGEND AND DRAWING SCHEDULE
E0.2	MEDIUM VOLTAGE DEMOLITION ONELINE DIAGRAM
E0.3	MEDIUM VOLTAGE ONELINE DIAGRAM
E0.4	ONELINE DIAGRAM
E0.5	CAMPUS SERVICE ENTRANCE ONELINE DIAGRAM
E0.6	DETAILS
E0.7	PANEL SCHEDULES
E0.8	PANEL SCHEDULES
E0.9	LIGHTING FIXTURE SCHEDULE & IECC CALCULATIONS
E1.1	OVERALL ELECTRICAL SITE PLAN
E1.2	ELECTRICAL DEMOLITION SITE PLAN
E1.3	ELECTRICAL SITE PLAN
E1.4	OVERALL ELECTRICAL PLAN
E2.1A	LIGHTING PLAN AREA A
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E3.1A	POWER PLAN AREA A
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E3.2	ROOF POWER PLAN
E4.1	ENLARGED ELECTRICAL PLANS
E4.2	ENLARGED FOOD SERVICE ELECTRICAL PLAN
E4.3	ENLARGED FOOD SERVICE ELECTRICAL PLAN
E4.4	ENLARGED FOOD SERVICE ELECTRICAL PLAN
E4.5	ENLARGED FOOD SERVICE ELECTRICAL PLAN
E4.6	ENLARGED LAUNDRY EQUIPMENT ELECTRICAL PLAN
E5.1A	FIRE ALARM PLAN AREA A
E5.1B	FIRE ALARM PLAN AREA B
E6.1	ENLARGED PV ARRAY PLAN
TELECOM	
T0.1	TELECOM LEGEND, GENERAL NOTES AND DRAWING SCHEDULE
T0.2	TELECOM DETAILS
T0.3	TELECOM DETAILS
T0.4	TELECOM DETAILS
T0.5	TELECOM DETAILS
T0.6	TELECOM DIAGRAMS
T0.7	TELECOM DIAGRAMS
T0.8	TELECOM SCHEDULES
T1.1	OVERALL TELECOM SITE PLAN
T1.2	TELECOM SITE PLAN
T2.1A	TELECOM PLAN AREA A
T2.1B	TELECOM PLAN AREA B
T3.1A	SECURITY PLAN AREA A
T3.1B	SECURITY PLAN AREA B
T4.1	TELECOM ENLARGED PLANS
T4.2	TELECOM ENLARGED PLANS

DRAWING NUMBER	DRAWING TITLE
FOOD SERVICE	
FS.00	FOODSERVICE AND LAUNDRY OVERALL PLAN
FS.10	FOODSERVICE EQUIPMENT PLAN
FS.11	FOODSERVICE BUILDING CONDITIONS AND VENTILATION PLAN
FS.12	FOODSERVICE PLUMBING ROUGH IN PLAN
FS.13	FOODSERVICE ELECTRICAL ROUGH IN PLAN
FS.14	FOODSERVICE BREAD SYSTEM
FS.15	FOODSERVICE REFRIGERATION SYSTEM
FS.16	FOODSERVICE REFRIGERATION SYSTEM
FS.17	FOODSERVICE REFRIGERATION SYSTEM
FS.18	FOODSERVICE WALK IN COOLER/FREEZER
FS.19	FOODSERVICE WALK IN COOLER/FREEZER
FS.20	FOODSERVICE EQUIPMENT PLAN
FS.21	FOODSERVICE BUILDING CONDITIONS AND VENTILATION PLAN
FS.22	FOODSERVICE PLUMBING ROUGH IN PLAN
FS.23	FOODSERVICE ELECTRICAL ROUGH IN PLAN
FS.24	FOODSERVICE EXHAUST HOOD ITEM 109
FS.25	FOODSERVICE FIRE SUPPRESSION ITEM 108
FS.26	FOODSERVICE DCKV SYSTEM ITEM 110
FS.27	FOODSERVICE WALK IN COOLERS FREEZERS
FS.28	FOODSERVICE WALK IN COOLERS FREEZERS
FS.29	FOODSERVICE WALK IN COOLERS FREEZERS
FS.30	FOODSERVICE EQUIPMENT PLAN
FS.31	FOODSERVICE BUILDING CONDITIONS AND VENTILATION PLAN
FS.32	FOODSERVICE PLUMBING ROUGH IN PLAN
FS.33	FOODSERVICE ELECTRICAL ROUGH IN PLAN
FS.34	FOODSERVICE EXHAUST HOOD ITEM 117
FS.35	FOODSERVICE FIRE SUPPRESSION SYSTEM ITEM 118
FS.36	FOODSERVICE DCKV SYSTEM ITEM 117
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FS.38	FOODSERVICE EXHAUST HOODS ITEMS 177 178
FS.39	FOODSERVICE FIRE SUPPRESSION SYSTEM ITEM 174
FS.40	FOODSERVICE FIRE SUPPRESSION SYSTEM ITEM 174
FS.41	FOODSERVICE DCKV SYSTEM ITEM 175
FS.42	FOODSERVICE EXHAUST HOOD ITEM 208
FS.43	FOODSERVICE FIRE SUPPRESSION SYSTEM ITEM 209
FS.48	FOODSERVICE DCKV SYSTEM ITEM 210
FS.50	FOODSERVICE EQUIPMENT PLAN
FS.51	FOODSERVICE BUILDING CONDITIONS AND VENTILATION PLAN
FS.52	FOODSERVICE PLUMBING ROUGH IN PLAN
FS.53	FOODSERVICE ELECTRICAL ROUGH IN PLAN
LAUNDRY SERVICE	
LS.10	LAUNDRY EQUIPMENT PLAN
LS.11	LAUNDRY BUILDING CONDITIONS AND VENTILATION PLAN
LS.12	LAUNDRY PLUMBING ROUGH IN PLAN
LS.13	LAUNDRY ELECTRICAL ROUGH IN PLAN

ABBREVIATIONS

A.B.	Anchor Bolt
A/C	Air Conditioned
A.C.U.	Air Conditioning unit
A.D.	Access Door
ADJ..	Adjustable
ALUM.	Aluminum
A.P.	Access Panel
A.T.	Acoustical Tile
C, CONC.	Concrete
CAB.	Cabinet
C.G.	Corner Guard
C.J.	Control Joint
CLG.	Ceiling
C.M.U.	Concrete Masonry Unit
COL.	Column
CONT.	Continuous
CONST.	Construction
CP.	Carpet
C.T.	Ceramic Tile
C.T.P.	Ceramic Tile Panel
CTR.	Counter
D.F.	Drinking Fountain
DIA.	Diameter
DIAG.	Diagonal
DIM.	Dimension
DISP.	Dispenser
D.S.	Downspout
DWGS.	Drawings
ELEC.	Electrical
ELEV., EL.	Elevation
E.J.	Expansion Joint
E.P.	Electric Panel
EPY.	Epoxy Coating
EQUIP.	Equipment
(E), EX.	Existing
EXIST.	
EXT.	Exterior
E.W.C.	Electric Water Cooler
EXP.	Exposed, Expansion
F.A.I.	Fresh Air Intake
F.C.U.	Fan Coil Unit
F.D.	Floor Drain
F.E.	Fire Extinguisher
F.E.C.	Fire Extinguisher Cabinet
F.H.R.	Fire Hose Rack
F.I.	Film Illuminator
FIN.	Finish
FL.	Floor
F.O.F.	Face of Finish
F.O.S.	Face of Stud
F.S.	Full Size
FTG.	Footing
GA.	Gauge
G.B.	Grab Bar
GL.	Glass
GR.	Grade
G.W.B.	Gypsum Wall Board
GYP.	Gypsum
HTG.	Heating
H.M.	Hollow Metal
H.P.	High Point
HW.	Hardware
H.B.	Hose Bibb
I.D.	Inside Diameter
INSUL.	Insulation
INT.	Interior
I.P.S.	Inside Pipe Size
JT.	Joint
KIT.	Kitchen
K.P.	Kick Plate
L, LAV.	Lavatory
L.C.	Laundry Chute
LKR.	Locker
L.P.	Low Point
MAX.	Maximum
M.C.B.	Metal Corner Bead
M.C.O.	Metal Cased Opening
M.D.S.	Metal Divider Strip
MECH.	Mechanical
MED. CAB.	Medical Cabinet
M.E.S.	Metal Edge Strip
MET.	Metal
MIN.	Minimum
MISC.	Miscellaneous
MLDG.	Moulding
M.O.	Masonry Opening
MOD.	Modified
M.T.	Metal Threshold
MTD.	Mounted
(N)	New
N.I.C.	Not In Contract
N.L.	Neoprene Latex
NOM.	Nominal
O.C.	On Center
O.D.	Outside Diameter
OPNG.	Opening
OPP.	Opposite
P.	Paint
PL	Plate
PLAS., PL.	Plastic
PLWD.	Plywood
P.R.V.	Power Roof Ventilator
P.S.	Pipe Space
P.W.	Pass Window
(R)	Relocated Item
R	Riser
R.D.	Roof Drain
RECEP.	Receptacle
REF.	Refrigerator
REG.	Reglet
REINIF.	Reinforcement
REQ'D.	Required
RM.	Room
R.O.	Rough Opening
S.C.	Special Coating
SCHD.	Schedule
SEC.	Section
SH.	Shelving, Shelf
SIM.	Similar
SPEC.(S)	Specifications(s)
S & R	Shelf & Rod
STRUCT.	Structural
S/S, S.S.	Stainless Steel
TEL.	Telephone
T.O.	Top of
TOIL.,T.	Toilet
V.	Vinyl
W.C.	Water Closet
W/C	Wheel Chair
WD.	Wood
W.C.O.	Wood Cased Opening
W.D.	Window Dimension
W.P.	Waterproof(ing)
W.R.	Waste Receptacle

ABBREVIATIONS FOR DETAILS OF WOOD AND METAL WORK

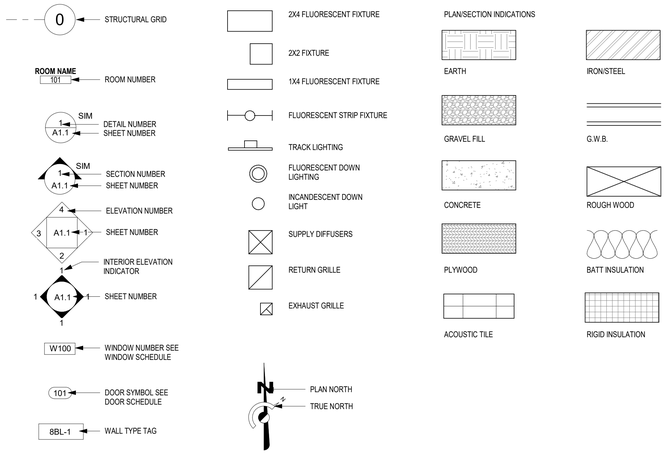
E.B.	Expansion Bolts
M.B.	Machine Bolts
M.S.	Machine Screws
S.M.S.	Sheet Metal Screws
W.S.	Wood Screws
CSK.	Countersunk
F.H.	Flat Head or Flush Head
O.H.	Oval Head
P.H.	Pan Head
R.H.	Round Head
SQ.HD.	Square Head
T.H.	Truss Head
PL.	Plate
S.M.	Sheet Metal
GA.	Gauge

PROJECT TITLE

STATE OF NEVADA
CULINARY, BAKERY, AND LAUNDRY BUILDING (NORTHERN NEVADA CORRECTIONAL CENTER)
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

SPWD FACILITY SITE NUMBER: 9990
SPWD PROJECT NUMBER: 25-P01

SYMBOLS AND MATERIALS LEGEND



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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

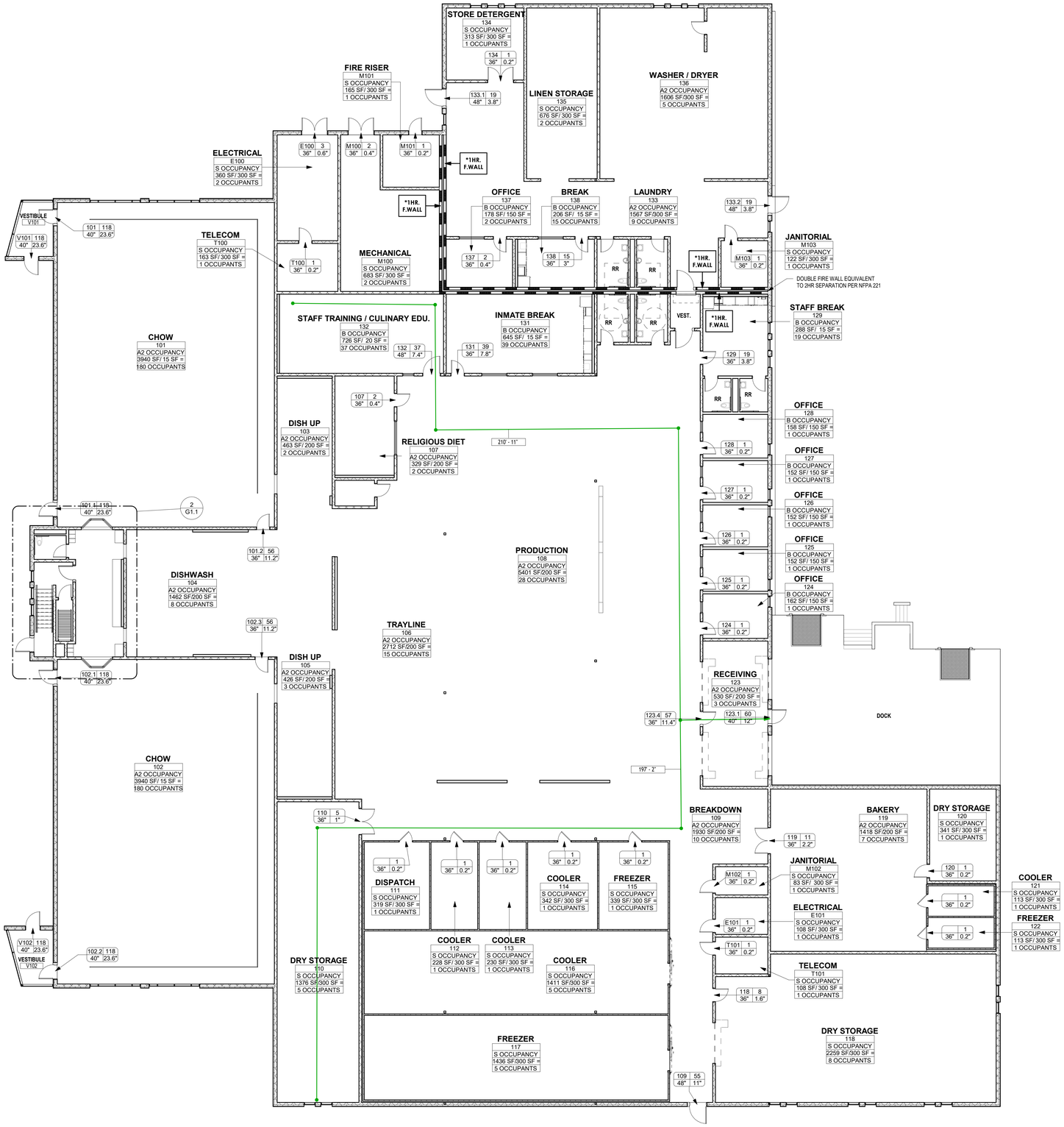
drawing title
COVER SHEET

job number
25015

date
OCTOBER 13, 2026

drawing number
G0.1

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1 OVERALL BUILDING CODE AND EGRESS PLAN
3/32" = 1'-0"

RATED ASSEMBLIES

EXT	EXTERIOR WALL; IBC 705
F. WALL	FIRE WALL; IBC 706
F. BAR	FIRE BARRIER; IBC 707
F. PAR	FIRE PARTITION; IBC 708
S. BAR	SMOKE BARRIER; IBC 709
S. PAR	SMOKE PARTITION; IBC 710
HOR	HORIZONTAL ASSEMBLIES; IBC 711
SHA	SHAFT ENCLOSURE; IBC 713

FIRE RESISTANCE LEGEND

- NON-RATED
- 0-HOUR RATING
- 1/2-HOUR RATING
- 1-HOUR RATING
- 1 1/2-HOUR RATING
- 2-HOUR RATING
- 3-HOUR RATING
- 4-HOUR RATING

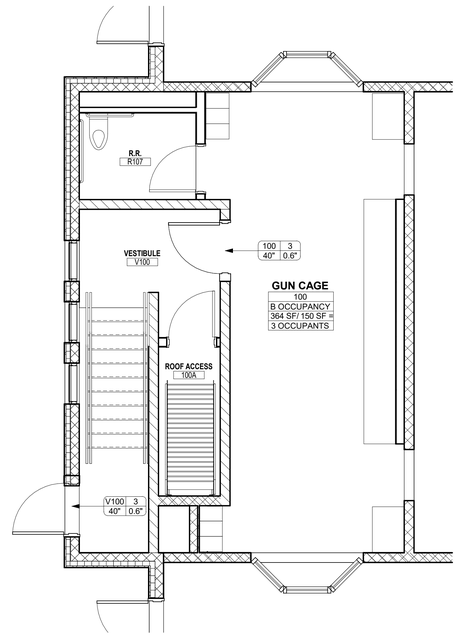
EXITING SYMBOL LEGEND

OFFICE
101
B OCCUPANCY
1150 SF/150 SF =
8 OCCUPANTS

- ROOM NAME
- ROOM NUMBER
- OCCUPANCY GROUP
- ROOM AREA / MAX. FLOOR AREA ALLOWANCES PER OCCUPANT = NUMBER OF OCCUPANTS

DOOR NUMBER / DOOR WIDTH PROVIDED: 101A | 2 | 33.5" | 32"
- NUMBER OF OCCUPANTS
- MIN. REQ'D EGRESS WIDTH BASED ON NUMBER OF OCCUPANTS X 0.2" EGRESS WIDTH PER OCCUPANT SERVED PER TABLE 1005.1, NOT TO BE LESS THAN 32"

STAIR NUMBER / STAIR WIDTH PROVIDED: ST# | 50 | 48" | 44"
- NUMBER OF OCCUPANTS
- MIN. REQ'D EGRESS WIDTH BASED ON NUMBER OF OCCUPANTS X 0.3" EGRESS WIDTH PER OCCUPANT SERVED PER TABLE 1005.1, NOT TO BE LESS THAN 44"



2 EGRESS PLAN - GUN CAGE
1/4" = 1'-0"

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
BUILDING CODE AND EGRESS PLAN

job number
25015

date
OCTOBER 13, 2026

drawing number
G1.1

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1 OVERALL BUILDING SECURITY PLAN
3/32" = 1'-0"

DETENTION DOORS? LOCATION - VERIFY W/ USER
DETENTION LOCKS - MECHANICAL OR ELECTRICAL ?
DETENTION MONITORING OF LOCKS - DPIS, LATCH MONITORING ?
EXISTING MANUFACTURER OF DETENTION LOCKS ?

DETENTION WINDOWS - LEVEL OF SECURITY ?
BULLET RESISTANT OR PHYSICAL ATTACK RATING ?
SECURITY BARS IN FRAME - LOCATION ?
SLIDING WINDOWS IN GUN CAGE ?

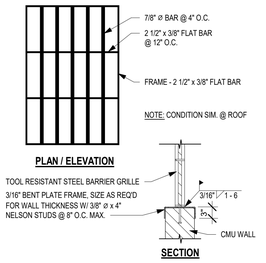
SECURITY LEGEND/NOTES

SECURED

NON-SECURED

GENERAL NOTES

1. ALL WALLS INDICATED AS A SECURITY WALL SHALL RUN FROM FLOOR TO UNDERSIDE OF STRUCTURE.
2. TOOL-RESISTANT STEEL BARRIER GRILLES SHALL BE PROVIDED AT ALL MECHANICAL OPENINGS 8" SQUARE OR LARGER IN ALL DESIGNATED SECURITY WALLS, INCLUDING ROOF ENCLOSING SECURE AREAS. REFER TO DETAIL S2.G1.2 FOR CONSTRUCTION DETAILS. TOOL-RESISTANT STEEL BARRIER GRILLES SHALL BE SUPPLIED AND INSTALLED BY THE DETENTION CONTRACTOR. ALL SIZES AND LOCATIONS OF TOOL-RESISTANT STEEL BARRIER GRILLESSHALL BE COORDINATED WITH MECHANICAL DRAWINGS.



2 TOOL RESISTANT BARRIER GRILLES
3/4" = 1'-0"

VanWoert Bigotti architects
1400 s. virginia st suite c
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IECC - BUILDING ENVELOPE REQUIREMENTS

TABLE C402.1.3 - OPAQUE BUILDING ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS, R-VALUE METHOD[a]

CLIMATE ZONE	4B ALL OTHER	REQUIRED VALUE	PROVIDED VALUE
	ROOFS		
INSULATION ENTIRELY ABOVE ROOF DECK		R-30CI	R-30CI
	WALLS, ABOVE GRADE		
MASS		R-9.5CI	R-12.7CI
	SLAB-ON-GRADE FLOORS		
UNHEATED SLABS		R-15 FOR 24" BELOW	R-15 FOR 24" BELOW

TABLE C402.5 BUILDING THERMAL ENVELOPE FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS

CLIMATE	4	REQUIRED VALUE		PROVIDED VALUE
	VERTICAL FENESTRATION			
U-FACTOR				
FIXED FENESTRATION		0.34		0.34
OPERABLE FENESTRATION		0.45		0.45
ENTRANCE DOORS		0.63		0.63
SHGC				
		FIXED	OPERABLE	FIXED OPERABLE
PF < 0.2		0.36	0.33	0.36 0.33
0.2 ≤ PF < 0.5		0.43	0.40	0.43 0.40
PF ≥ 0.5		0.58	0.53	0.58 0.53
	SKYLIGHTS			
U-FACTOR		0.50		0.50
SHGC		0.40		0.40

CASEWORK GENERAL NOTES

1. ALL CASEWORK SHOWN ON THIS SHEET IS PLASTIC LAMINATE CLAD UNO.
2. ALL EXPOSED SURFACES AND EDGES SHALL RECEIVE PLASTIC LAMINATE AS SCHED. ALL SEMI-EXPOSED SURFACES AND EDGES SHALL RECEIVE WHITE MELAMINE UNO, TYP.
3. CABINET WIDTHS ARE BASED ON MODULE INCREMENTS OF 3 INCHES FROM 12 TO 36 INCHES WIDE CABINETS AND 6 INCH INCREMENTS FOR 36 TO 48 INCHES OF WIDE CABINETS UNO.
4. ALL COUNTERTOPS SHALL BE PLASTIC LAMINATE UNO. PROVIDE 3/4" PLYWD SUBSTRATE FOR ALL WET LOCATIONS. 3/4" MDF AT OTHER LOCATIONS, UNO.
5. REFER TO DETAIL SHEETS FOR TYP CASEWORK DETAILS.
6. INSTALL 3/4" THK BACKSPLASHES AT ALL LOCATIONS UNO. INSTALL 3/4" END SPLASHES WHEN COUNTER IS ADJACENT TO A PARTITION OR TALLER CASEWORK. LAMINATE ALL EXPOSED EDGES TO MATCH COUNTERTOP. BACKSPLASH AND END SPLASH TO BE 4" HIGH UNO.
7. ADJACENT UPPER CABINETS SHALL HAVE FLUSH BOTTOM TO FORM CONTINUOUS POCKET BEHIND FRONT VALENCE FOR LIGHT FIXTURES. BOTTOM OF EXPOSED SIDES SHALL ALIGN WITH FRONT.
8. PROVIDE FILLER PANEL WHERE CASEWORK ABUTS WALL OR HEADER ABOVE, 1 INCH MINIMUM TO 3 INCH MAXIMUM WIDTH.
9. PROVIDE FINISHED END PANELS AND/OR END RETURNS AT OPEN ENDED, EXPOSED CASEWORK OR AT KNEE SPACES.
10. OPTION 1: LOCATE GROMMETS 4B INCHES ON CENTER MAX. AT BACK OF COUNTERTOPS ABOVE KNEE SPACE. ONE GROMMET MIN. PER COUNTERTOP RUN. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. SHOW GROMMET LOCATIONS ON SHOP DRAWINGS.
11. OPTION 2: SCHED GROMMETS SHALL BE INSTALLED IN FIELD. ARCHITECT/OWNER TO DETERMINE LOCATIONS AFTER CASEWORK IS INSTALLED. ESTIMATE 1 GROMMET PER 36" OR FRACTION THEREOF OF COUNTERTOP W/O FLOOR MOUNTED BASE CABINETS.
12. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK.
13. PROVIDE FIRE TREATED WOOD BLOCKING WITHIN WALL FOR ALL MOUNTED CASEWORK.
14. PROVIDE METAL PLATE BACKING WITHIN WALL FOR ALL MOUNTED CASEWORK.

RCP GENERAL NOTES

1. SEE FINISH SCHEDULE FOR CEILING TYPE AND FINISH.
2. SEE FLOOR PLANS FOR PARTITION TYPES AND PARTITION SCHEDULE FOR PARTITION CONSTRUCTION.
3. ALL CEILING ELEVATIONS ARE ABOVE FINISH FLOOR AT REFERENCE POINT. U.N.O.
4. CEILING TILES CENTERED IN SPACE U.N.O.
5. ANY PAINTED CEILING NOT INDICATED WITH AN ACCENT COLOR IS TO BE PAINTED [P1]
6. ALL GYP BOARD EXPOSED CORNERS SHALL RECEIVE CORNER BEADS.
7. WHERE CEILING SOFFIT IS CALLED OUT TO BE PAINTED, THE PAINT COLOR CALLED OUT IS TO RETURN UP ON ALL SIDES OF THE SOFFIT.
8. SEE SPECIFICATIONS FOR METAL STUD AND GYP. BD. MATERIALS.
9. REFER TO MECHANICAL PLANS FOR LOCATION AND TYPE OF ALL HVAC REGISTERS,ACCESS PANELS, THERMOMETERS, ETC. NOT ALL DEVICES ARE SHOWN HERE.
10. REFER TO ELECTRICAL PLANS FOR LOCATION AND TYPE OF ALL LIGHTING, DATA, AND POWER LOCATIONS. NOT ALL DEVICES ARE SHOWN HERE. ALL CONDUIT IN EXPOSED CEILING AREAS ARE TO BE VISUALLY ORGANIZED AND TUCKED NEXT TO A BEAM. PAINT CONDUIT -COLOR TO BE DETERMINED. SEE PAINT ZONE DIAGRAM.
11. SEE DETAILS ON A9.X FOR SEISMIC BRACING, SPRINKLER HEAD LOCATIONS, AND CEILING DETAILS.
12. SEISMIC BRACING FOR SUSPENDED CEILINGS INSTALLED IN SEISMIC CATEGORY D SHALL COMPLY WITH THE FOLLOWING.
    A. T-BAR SYSTEM SHALL BE HEAVY DUTY
    B. PERIMETER SUPPORT ANGLES SHALL BE 2". IN EACH ORTHOGONAL DIRECTION THE GRID SHALL BE RIGIDLY ATTACHED TO THE PERIMETER ANGLE ON ONE SIDE AND PERMITTED A 3/4" MOVEMENT IN EITHER DIRECTION AT THE OTHER SIDE.
    C. SEISMIC BRACING IS REQUIRED FOR ALL CEILINGS GREATER THAN 144 SQUARE FEET IN AREA. THIS INCLUDES SPLAY WIRES AND COMPRESSION STRUTS.
    D. SPACER BARS ARE REQUIRED AT PERIMETERS.
13. CENTER ALL FIRE SPRINKLER HEADS AND OTHER DEVICES 12"x12" CENTER LINE OF SUSPENSION TRACK.
14. ALL MECHANICAL ACCESS PANELS IN GWB CEILING TO BE PAINTED TO MATCH GWB CEILING PAINT FINISH.
15. PAINT ALL EXPOSED DIFFUSERS, MECHANICAL EQUIPMENT AND EXPOSED PIPES IN OPEN/EXPOSED CEILING TO MATCH PAINT CALL OUT.

FLOOR FINISH GENERAL NOTES

1. SEE FLOOR TRANSITION DETAILS ON GENERAL DETAILS SHEET
2. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR FINISHES INDICATED ON FINISH LEGEND.
3. SEE FINISH LEGEND FOR ALL REFERENCED FLOOR FINISH + WALL BASE CALLOUTS.
4. ALL WALLS TO RECEIVE BASE UNO.
5. ALL FLOORING & BASE MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN SPECIFICATIONS AND RECOMMENDATIONS.
6. COORDINATE FLOOR FINISH TRANSITIONS BETWEEN DIFFERENT MATERIALS AND ADJACENT SPACES. PROVIDE APPROPRIATE TRANSITION STRIPS AS REQUIRED.
7. ALL FLOOR LEVELS SHALL BE FLUSH AT TRANSITIONS UNLESS OTHERWISE NOTED. PROVIDE SLIP-RESISTANT TRANSITIONS COMPLIANT WITH ADA REQUIREMENTS.
8. SEAL ALL FLOOR FINISHES AT WET AREAS, PERIMETERS, EDGES, AND PENETRATIONS AS REQUIRED FOR MOISTURE RESISTANCE.
9. PROVIDE FLOOR PREPARATION INCLUDING PATCHING, LEVELING, AND GRINDING AS REQUIRED FOR PROPER INSTALLATION OF FLOOR FINISHES.
10. PROTECT ALL INSTALLED FLOOR FINISHES FROM DAMAGE DURING CONSTRUCTION. REPAIR OR REPLACE DAMAGED AREAS AT NO ADDITIONAL COST TO OWNER.
11. COORDINATE FLOOR FINISH INSTALLATION WITH MECHANICAL, ELECTRICAL, AND PLUMBING WORK, INCLUDING FLOOR BOXES, REGISTERS, AND ACCESS PANELS.
12. INSTALL FLOORING MATERIALS IN SPACES THAT ARE FULLY ENCLOSED, WEATHER-TIGHT, AND CLIMATIZED TO MANUFACTURER'S REQUIREMENTS.
13. SEE FINISH SCHEDULE AND ROOM FINISH LEGEND FOR FLOOR FINISH TYPES AND EXTENTS.
14. COORDINATE ALL FLOOR FINISHES WITH BASE DETAILS AND WALL FINISHES.

HOT WORK PERMIT NOTE

1. HOT WORK PERMITS ARE REQUIRED FOR ANY HOT WORK OPERATIONS, CUTTING AND WELDING, OPEN FLAMES, TORCH WORK AND GRINDING. CHECK AHJ WEBSITE FOR THE LATEST HOT WORK REQUIREMENTS FOR THE DISTRICT. HOT WORK, CUTTING OR WELDING, OPEN FLAMES, TORCH WORK AND GRINDING IS PROHIBITED DURING RED FLAG WARNING DAYS.
2. HOT WORK SHALL BE DONE IN APPROVED AREAS ONLY.
3. CONSPICUOUS SIGNS SHALL BE POSTED TO WARN OTHERS BEFORE THEY ENTER THE HOT WORK AREA.
4. AREAS AND CONVEYOR SYSTEMS SHALL NOT CONTAIN COMBUSTIBLES, OR COMBUSTIBLES SHALL BE SHIELDED IN AN APPROVED MANNER.
5. OPENINGS SHALL BE TIGHTLY COVERED OR SHIELDED BY METAL FIRE-RESISTANT GUARDS OR CURTAINS.
6. FLOORS SHALL BE NON-COMBUSTIBLE AND SHALL BE KEPT CLEAN.
7. PARTITIONS SHALL BE NON-COMBUSTIBLE AND SHALL BE SECURELY FASTENED TO THE FLOOR.
8. HOT WORK SHALL NOT BE DONE ON EQUIPMENT THAT CONTAINS OR HAS CONTAINED FLAMMABLES UNTIL THE EQUIPMENT HAS BEEN THOROUGHLY CLEANED. HOT TAPPING WILL BE ALLOWED WHEN DONE BY APPROVED PERSONNEL.
9. FIRE PROTECTION SYSTEMS MAY NOT BE IMPAIRED DURING HOT WORK.
10. A FIRE WATCH WHO IS TRAINED IN THE USE OF FIRE EXTINGUISHERS MUST BE PROVIDED DURING OPERATION AND FOR AT LEAST 30 MINUTES AFTER OPERATION.
11. APPROVED FIRE EXTINGUISHERS RATED AT LEAST 2A 20 BC MUST BE PROVIDED AND MAINTAINED AND MUST BE AVAILABLE WITHIN 30 FEET OF HOT WORK OPERATIONS.
12. AT LEAST ONCE PER DAY, THE HOT AREA MUST BE INSPECTED TO ENSURE THAT IT IS FIRE SAFE. A REPORT OF THE CHECK MUST BE AVAILABLE FOR INSPECTION BY THE RENO FIRE DEPARTMENT.
13. HOT WORK FACILITIES MUST COMPLY WITH ALL APPLICABLE PROVISIONS OF THE 2018 INTERNATIONAL FIRE CODE, PARTICULARLY CHAPTER 35, AND NFPA 51B. ADDITIONAL REQUIREMENTS ARE SUBJECT TO INSPECTION AND REVIEW.

RATED ASSEMBLIES

EXT.	EXTERIOR WALL; IBC 705
F. WALL	FIRE WALL; IBC 706
F. BAR	FIRE BARRIER; IBC 707
F. PAR.	FIRE PARTITION; IBC 708
S. BAR	SMOKE BARRIER; IBC 709
S. PAR.	SMOKE PARTITION; IBC 710
HOR.	HORIZONTAL ASSEMBLIES; IBC 711
SHA.	SHAFT ENCLOSURE; IBC 713

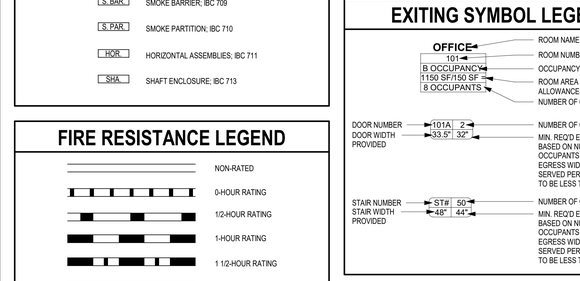
FIRE RESISTANCE LEGEND

	NON-RATED
	0-HOUR RATING
	1/2-HOUR RATING
	1-HOUR RATING
	1 1/2-HOUR RATING
	2-HOUR RATING
	3-HOUR RATING
	4-HOUR RATING

BUILDING SECTION GENERAL NOTES

1. ONLY MAJOR MATERIALS OF EACH ASSEMBLY ARE NOTED ON THE SECTIONS. REFER TO THE REFERENCED SPECIFICATIONS AND DETAILS FOR COMPLETE ASSEMBLIES.
2. COLD FORMED METAL FRAMING AT EXTERIOR MAX. SPACING SHALL BE 16" O.C. MINIMUM STUD DEPTH SHALL BE 6" AND MINIMUM THICKNESS SHALL BE 0.0598". PROVIDE LATERAL BRACING @ MAX 4' O.C. REFER TO SECTION 05400 - COLD FORMED METAL FRAMING OF THE PROJECT MANUAL FOR DESIGN AND PERFORMANCE REQUIREMENTS.
3. GYPSUM BOARD ASSEMBLIES AT PERIMETER WALLS - PROVIDE 6" DEEP METAL STUDS AT MAX. 16" O.C. SPACING w/ CONTINUOUS WIRE MESH @ OUTSIDE FACE. PROVIDE GAGE AS REQUIRED BY DESIGN AND PERFORMANCE CRITERIA INDICATED. REFER TO SECTION 09260 - GYPSUM BOARD ASSEMBLIES OF THE PROJECT MANUAL.
4. APPLY WEATHER BARRIER @ CONCEALED EXTERIOR FACES OF SHEATHING, STRUCTURAL CONCRETE, AND PRECAST CONCRETE SUBSTRATE BEHIND METAL WALL PANELS.
5. SHEATHING & CONCEALED PRECAST CONC - SEAL ALL JOINTS INCLUDING PANEL TO PANEL JOINTS, INSIDE AND OUTSIDE CORNERS, PERIMETERS, PENETRATIONS AND ABUTMENTS TO ADJACENT MATERIALS AIR AND WATER TIGHT WITH 1 PLY SELF-ADHERING FLASHING OR OTHER APPROVED SYSTEM. IN ADDITION PROVIDE DOUBLE BEAD SILICON SEALANT AT CONCEALED PRECAST PANELS.
6. EXPOSED PRECAST PANELS - AT JOINTS PROVIDE DOUBLE BEAD OF DOW 790 OR EQUAL SILICON SEALANT AND BACKER RODS AS INDICATED. IN ADDITION, PROVIDE 1 PLY FLEXIBLE FLASHING OVER JOINT AT CONCEALED, INTERIOR FACE.
7. PROVIDE CONTINUOUS SILL PANS WITH FACTORY FABRICATED END DAMS AT SILLS OF ALUMINUM GLAZING SYSTEMS. SET IN A BEAD OF SEALANT.
8. PROVIDE FIRE RETARDANT TREATED PLYWOOD AT EXTERIOR WINDOW SILLS FOR LEVELING AND ATTACHING FINISHED SILL MATERIALS AS REQUIRED.
9. PROVIDE UL LISTED FIRE & SMOKE CONTAINMENT SYSTEMS BETWEEN STRUCTURE AND CURTAINWALLS TYPICAL AT EACH FLOOR AND ROOF PERIMETER. FIRE STOP ALL PENETRATIONS.
10. INSTALL INSULATION AT PERIMETER WALLS SO THAT CONTACT TO INSIDE FACE OF PRECAST UNITS CAN NOT BE MADE.
11. PROVIDE CONTINUOUS SEALANT JOINTS AT BOTH EXTERIOR & INTERIOR FACES OF WINDOW AND DOOR OPENINGS. DOW 790 OR APPROVED EQUAL.
12. PROVIDE CONCEALED SPLICE PLATES AT EXPOSED METAL FLASHINGS & COPINGS.
13. GRADE TO SLOPE AWAY FROM BUILDING, REFER CIVIL DWGS.
14. FERROUS METAL AT BUILDING EXTERIOR TO BE GALV. (ASTM G90)
15. STONE, PRECAST CONCRETE, AND CAST STONE WALLS CAPS AND COPING SHALL HAVE RAKED MORTAR JOINTS WITH SEALANT.
16. PROVIDE MASONRY UNITS WITHOUT CORES OR FROGS AND WITH EXPOSED SURFACES FINISHED FOR ENDS OF SILLS AND CAPS AND FOR SIMILAR APPLICATIONS WHICH WOULD OTHERWISE EXPOSE UNFINISHED BRICK SURFACES.

EXITING SYMBOL LEGEND



ACOUSTICAL REQUIREMENTS

1. DOOR SWEEPS AND WEATHER STRIPPING SHOULD BE USED ON ALL DOORS THAT LEAD INTO NOISY AREA. USE PLASTIC OR RUBBER STYLE DOOR SWEEPS.
2. OUTLET BOXES SHOULD NOT BE INSTALLED BACK TO BACK ON PARTITION WALLS AND SHOULD BE STAGGERED WITH ONLY ONE PER STUD CAVITY. JUNCTION BOXES SHOULD BE INSTALLED AT LEAST 24" APART.
3. ANY OPENING AROUND RECESSED ELEMENTS SHALL BE 1/8"-1/4" WIDE AND SHALL BE FILLED WITH 3/8" CONTINUOUS BEAD OF ACOUSTICAL CAULKING TO PREVENT A RIGID CONNECTION BETWEEN BOX AND DRYWALL.
4. STC RATED PUTTY PADS SHALL BE USED BEHIND ALL JUNCTION BOXES TO MINIMIZE SOUND FLANKING THROUGH OUTLETS.
5. GASKETS SHALL BE INSTALLED ON ALL SWITCHES AND OUTLET FACES.
6. PROVIDE 1/8"-1/4" GAP CUT AROUND FIRE SPRINKLERS AND DAMPLER. FILL GAP WITH 3/8" CONTINUOUS BEAD OF ACOUSTICAL CAULKING.
7. WHERE CEILING AND WALL INTERSECT, PREVENT DRYWALL TO DRYWALL CONTACT USING SPACERS OR BACKERROD AS NEEDED. CAULK BETWEEN THE DRYWALL CONNECTION USING 3/8" BEAD OF ACOUSTICAL CAULKING.
8. KEEP ANY PIPES, CONDUITS, DUCT PENETRATIONS FROM RIGIDLY CONNECTING WITH DRYWALL BY USING DUCT BLOCKER (FIBERGLASS INSULATION). DO NOT ROUTE PIPES NEAR EXHAUST VENTS. THEY SHOULD ROUTE THROUGH SEPARATE STUD CAVITIES TO AVOID TRANSFER NOISE.

FLOOR PLAN GENERAL NOTES

1. ALL WINDOW & DOOR PLAN OPENINGS ARE DIMENSIONED THROUGHOUT.
2. FOR FIRE AND LIFE SAFETY PLANS, REFER TO G DRAWINGS.
3. REFER TO ROOF PLAN FOR NOTES AND DIMENSIONS.
4. REFER TO A4 SERIES DRAWINGS FOR EXTERIOR ELEVATIONS, BUILDING AND WALL SECTIONS
5. REFER TO AS SERIES FOR DOORS, PARTITIONS, WINDOWS, AND ACCESSORIES.
6. ALL CORE & SHELL PLAN DIMENSIONS ARE TAKEN TO GRID LINES, TO THE FACE OF CMU WALLS, AND THE CENTERLINE OF COLUMNS UNLESS NOTED OTHERWISE.
7. ALL INTERIOR PARTITIONS ARE DIMENSIONED TO CENTERLINE OF WALL U.N.O.
8. INSTALL BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED DEVICES.
9. AT ALL SPANDREL GLASS LOCATIONS, FACE OF INTERIOR WALL TO BE CONTINUOUS WITH ADJACENT WALL.
10. GENERAL DIMENSIONS PROVIDED ON FLOOR PLANS AND AREA PLANS DO NOT REFLECT THE ROUGH OPENING DIMENSIONS REQUIRED FOR COORDINATION WITH MASONRY JOINT COURSING. CONTRACTOR IS TO PROVIDE ROUGH OPENING FRAMING DIMENSIONS CONSISTENT WITH ENLARGED ARCHITECTURAL PLAN/SECTION DETAILS, AND WINDOW SCHEDULE/DETAILS. CONTRACTOR TO SUBMIT RFI FOR ANY ROUGH OPENING DIMENSIONS NOT GIVEN IN DETAILING FOR CLARIFICATION REQUIRED.
11. OPENINGS IN FLOOR SLAB ARE DIMENSIONED TO GRID LINES UNLESS NOTED OTHERWISE
12. DOOR OPENINGS ARE DIMENSIONED TO DOOR FRAME U.N.O; REFER TO REFERENCED DETAIL FOR ROUGH OPENING DIMENSION.

DOOR & FRAME GENERAL NOTES

1. FOR GENERAL NOTES REGARDING DOORS AND DOOR FRAMES SEE DOOR HARDWARE SHEETS.
2. FOR DETAILS RELATING TO THE HEAD, JAMB, AND SILL FOR EACH DOOR TYPE, REFERENCE SHEET A8 AND A9 DETAIL SHEETS.
3. LOCATE DOOR FRAMES WITH THE HINGE SIDE OF THE JAMB 4" FROM THE CORNER OF THE SPACE UNLESS SHOWN CENTERED IN THE WALL OR DIMENSIONED OTHERWISE.
4. FIRE LABELS ARE UL CLASSIFICATIONS WITH FIRE RATINGS SHOWN IN MINUTES. FIRE RATINGS AND/OR LABELS REQUIRED FOR DOORS APPLY EQUALLY TO THE FRAME AND THE HARDWARE. ANYWHERE A RATING IS SHOWN IN THE SCHEDULE, THE APPLICABLE LABEL SHALL BE APPLIED TO THE DOOR, THE FRAME, AND THE HARDWARE THAT IS TO BE USED ON SAID DOOR.
5. SIZE ALL FRAME THROAT DIMENSIONS 1/8" GREATER THAN THE ACTUAL PARTITIONS THICKNESS. ACTUAL THICKNESS INCLUDES ALL MATERIALS LISTED IN THE PARTITION SCHEDULE PLUS ALL OTHER MATERIALS (IE: LEAD LINING, TILE ETC.) THAT ARE TO BE BUILT INTO THE PARTITION WHEN DETERMINING PARTITION THICKNESS UNLESS NOTED OTHERWISE.
6. ALL HM, WD, AND SC DOORS ARE TO BE 1 3/4" THICK UNLESS NOTED OTHERWISE.
7. THE GENERAL CONTRACTOR IS TO COORDINATE THE INSTALLATION OF CARD READERS, ELECTRONIC LOCKING DEVICES, FIRE ALARMS, AUTO OPERATORS, AND ALL OTHER MONITORING DEVICES WITH THE DOOR AND FRAME HARDWARE.
8. PROVIDE A 3/4" UNDERCUT AT ALL TOILET ROOM DOORS - TYPICAL.
9. THE UNDERCUT ON FIRE RATED DOORS SHALL NOT EXCEED 3/4".
10. ALL GLAZING USED IN DOORS SHALL BE LAMINATED TEMPERED SAFETY GLASS.
11. FOR ANY FIRE RATED DOORS THAT REQUIRE GLAZING, SAID GLAZING SHALL HAVE THE SAME RATING AS THE DOOR ITSELF WITHOUT WIRE.
12. FOR SITE ACCESS GATE DOORS REFER TO THE SITE PLAN SHEETS.
13. ALL MAG LOCKS SHALL BE SUPPLIED WITH A DC POWER ADAPTER.

FINISHES:
A. PAINT HM FRAMES U.N.O.
B. PAINT HM DOORS U.N.O.
C. FACTORY FINISH SC WOOD DOORS U.N.O.

LABELS - FIRE RATINGS:
3 HRS.
90 MIN.
45 MIN.
20 MIN.
ST - SMOKE TIGHT

MANUFACTURERS:
AB - ABH MANUFACTURING INC.
BE - BEST ACCESS SYSTEMS
BY - BY OTHERS
HG - HAGER
PE - PEMKO
PR - PRECISION
RC - RCI
RU - RUTHERFORD CONTROLS
SH - STANLEY COMMERCIAL HARDWARE
ST - STANLEY
TR - TRIMCO

FINISHES:
28 - CLEAR ANODIZED ALUMINUM
AL - ALUMINUM
600 - PRIMED FOR PAINTING
626 - SATIN CHROMIUM PLATED
630 - SATIN STAINLESS STEEL
689 - ALUMINUM PAINTED
BLK - BLACK
US26D - CHROMIUM PLATED, DULL
US32D - STAINLESS STEEL, DULL

ADA/EXITING GENERAL NOTES

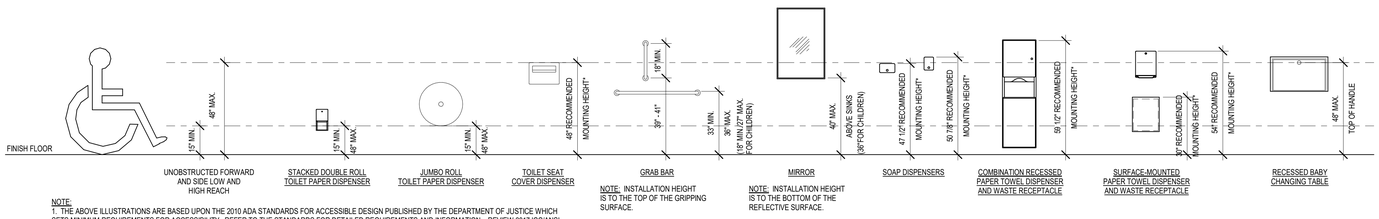
1. BUILDINGS OR PORTIONS OF BUILDINGS SHALL BE ACCESSIBLE TO PERSONS WITH DISABILITIES. THE CONSTRUCTION OF ACCESSIBLE BUILDINGS AND BUILDING ELEMENTS SHALL BE IN ACCORDANCE WITH AS REQUIRED BY THE SPWA REGULATIONS NAC 341.045, CABO/ANSI 117.1-98, NEVADA STATE FIRE MARSHALL REGULATIONS NAC 477.281 AND THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. FOR A BUILDING TO BE CONSIDERED ACCESSIBLE, IT SHALL BE CONSTRUCTED TO THE MINIMUM PROVISIONS OF THESE DOCUMENTS.
2. A LEVEL AND CLEAR AREA FOR A MINIMUM DEPTH OF 60 INCHES IN THE DIRECTION OF THE DOOR SWING AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION SHALL BE PROVIDED. THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24 INCHES PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR AND 18 INCHES PAST THE STRIKE EDGE OF THE DOOR FOR INTERIOR. SEE NOTE 8 FOR CLARIFICATION ON THRESHOLDS.
3. ACCESSIBLE DRINKING FOUNTAINS SHALL BE A MINIMUM OF 18 INCHES IN DEPTH AND THERE SHALL BE A CLEAR AND UNOBSTRUCTED KNEE AND TOE SPACE UNDER THE DRINKING FOUNTAIN NOT LESS THAN 27 INCHES IN HEIGHT AND 8 INCHES IN DEPTH. THIS SHALL COMPLY WITH SECTION 306 ANSI & ADASAD.
4. FIRE EXTINGUISHERS TO BE 2-A:10B:C-RATED WITH CURRENT FIRE MARSHALL CERTIFICATION TAGS. PROVIDE A FIRE EXTINGUISHER SIGN AT 48" MINIMUM AND 60" MAXIMUM ABOVE FINISH FLOOR LEVEL. ALL FIRE EXTINGUISHERS ARE TO BE RECESSED TO NOT EXTEND MORE THAN 4" INTO ANY OPEN AREA. FIRE EXTINGUISHER CABINET DOOR OPENING HARDWARE AND HEIGHT OF FIRE EXTINGUISHER CABINET ITSELF SHALL BE POSITIONED TO COMPLY WITH ALLOWABLE REACH RANGES PER SECTION 308 ANSI AND ADASAD AND SHALL NOT BE MOUNTED MORE THAN 48" ABOVE THE FLOOR TO EACH ELEMENT.
5. PROVIDE TACTILE EXIT SIGNS. CHARACTERS, SYMBOLS AND THEIR BACKGROUNDS SHALL HAVE A NON-GLARE FINISH. MOUNTING HEIGHTS FOR TACTILE SIGNS SHALL COMPLY WITH SECTION 703.3.10 ANSI. THE RAISED CHARACTERS ARE TO BE MOUNTED A MAXIMUM HEIGHT OF 60" ABOVE THE FLOOR TO THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS AND 48" MAXIMUM ABOVE THE FLOOR TO THE BASELINE OF THE LOWEST LINE OF BRAILLE. BRAILLE IS CONSIDERED A CHARACTER BY ANSI STANDARDS AND SHALL COMPLY WITH 4
6. DETECTABLE WARNINGS EXTERIOR: TRUNCATED DOMES 24" WIDE AND COMPLIES WITH ANSI 705.3 SHALL BE PROVIDED ON THE WALKING SURFACE AT A PLATFORM EDGE. TRUNCATED DOMES SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. DETECTABLE WARNINGS INTERIOR: ALL PLATFORM EDGES AND STAIRS TREADS SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT. THE PLATFORM MUST INCLUDE 24" OF ADVANCED WARNING OF THE PLATFORM EDGE AND THE PRECISE ORIENTATION OF THE PLATFORM EDGE IN RELATION TO THE PEDESTRIAN.
7. ALL OWNER SUPPLIED BUILT-IN FURNITURE, FIXTURES, ACCESSORIES AND EQUIPMENT SHALL BE FURNISHED IN THE QUANTITIES, CONFIGURATIONS, AND LOCATIONS REQUIRED TO COMPLY WITH ACCESSIBILITY CODES.
8. MATERIAL SURFACE EDGES AND DOOR THRESHOLDS ARE NOT TO EXCEED 1/4" AT ABRUPT EDGE TRANSITIONS AND 1/2" AT BEVELED EDGE TRANSITIONS.
9. EACH ENTRANCE TO A CORRIDOR THAT LEADS TO A TOILET FACILITY MUST BE MARKED WITH A SIGN WHICH CONFORMS TO THE REQUIREMENTS RELATED TO SIGNAGE IN THE 2010 ADA STANDARDS AND USES SYMBOLS, RAISED LETTERS AND BRAILLE TO IDENTIFY THE TOILET FACILITY AND THE GENDER OF PERSONS WHO MAY U SE THE TOILET FACILITY.

SIGNAGE GENERAL NOTES

1. CONTRACTOR TO SUBMIT SHOP DRAWINGS.
2. FIELD VERIFY ALL SIGNAGE LOCATIONS PRIOR TO INSTALLATION; MODIFICATIONS MAY BE NEEDED TO ACCOMMODATE EXISTING CONDITIONS.
3. ALL SIGNAGE SHALL HAVE RAISED TACTILE CHARACTERS AND BRAILLE PER ICC ANSI 117.1 2017.
4. BRAILLE IS SHOWN SYMBOLICALLY ONLY. SIGNAGE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT BRAILLE CHARACTERS SPELL OUT THE ASSOCIATED RAISED WORDS.
5. PER ADA 2010 703.3.2 POSITION: BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8" (9.5MM) FROM OTHER TACTILE CHARACTERS AND 3/8" (9.5MM) MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.
6. ALL SIGNAGE TO BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED [CFCI]
7. ALL SIGNAGE INSTALLED ON GLASS TO INCLUDE MATCHING BACK PANEL INSTALLED ON "BACKSIDE"/ROOM SIDE OF WINDOW. SEE 3D VIEW FOR REFERENCE.
8. SEE STANDARD/TYPICAL SIGNAGE ELEVATIONS ON SHEET:

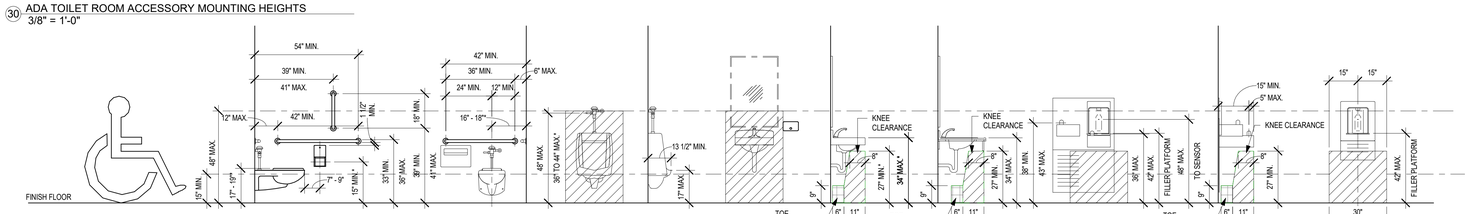
PARTITION GENERAL NOTES

1. THE LOCATIONS OF FIRE, SMOKE, OR FIRE/SMOKE PARTITIONS ARE INDICATED ON THE FLOOR PLANS BY LINE SYMBOLS IN THE CENTER OF THE PARTITIONS. AT THESE LOCATIONS, THE UL DESIGN ASSEMBLY LISTED WITH THE PARTITION TYPE SHALL BE COMPLIED WITH, INCLUDING FIRESTOPPING SEALANT AT THE PERIMETER OF THE PARTITION. WHERE THE PARTITION TYPE IS NOT INDICATED ON THE FLOOR PLAN AS BEING A FIRE, SMOKE, OR FIRE/SMOKE PARTITION, THE CONSTRUCTION SHALL BE DESIGNED, EXCEPT THAT ACOUSTICAL SEALANT SHALL BE USED IN LIEU OF FIRESTOPPING SEALANT AT THE PERIMETER OF THE PARTITION
2. PARTITION TYPE REFERENCES ARE INDICATED ON THE FLOOR PLANS. SEE EXITING PLANS FOR RATED WALL LOCATIONS.
3. ALL METAL STUDS, GYPSUM BOARD AND ACOUSTICAL INSULATION, WHERE SCHEDULED, SHALL BE FULL HEIGHT FROM CONCRETE FLOOR SLAB TO BOTTOM OF METAL DECK/STRUCTURAL MEMBERS ABOVE UNLESS NOTED OTHERWISE. ANY PARTITIONS THAT EXTEND FROM FLOOR TO THE UNDERSIDE OF DECK ABOVE SHALL HAVE THEIR PERIMETER AND ALL PENETRATIONS SEALED SMOKETIGHT WITH ACOUSTICAL SEALANT OR FIRESTOPPING SEALANT, AS APPLICABLE.
4. ALL FIRE, SMOKE, OR FIRE/SMOKE PARTITIONS SHALL HAVE ALL CONTROL JOINTS AND EXPANSION JOINTS IN PARTITIONS CONSTRUCTED IN A MANNER SO AS TO NOT VIOLATE THE RATING, USING CONTINUOUS FIRESTOPPING MATERIAL WITHIN THE JOINT. OTHER UNRATED PARTITIONS SHALL HAVE ALL CONTROL JOINTS AND EXPANSION JOINTS IN PARTITIONS CONSTRUCTED IN A MANNER TO RESIST SOUND TRANSMISSION. SOUND ATTENUATION BLANKET MATERIAL WITHIN THE JOINT.
5. METAL STUDS SHALL BE SPACED AT 16" O.C. MAXIMUM, UNLESS NOTED OTHERWISE. LIGHT GAUGE METAL FRAMING STUDS SPACED AT 16" O.C. MAXIMUM SHALL BE USED WHERE SPECIFIED OR DETAILED. RESILIENT CHANNELS AND FURRING CHANNELS SPACED 24" O.C. VERTICALLY MAX. 4" MAX FROM TOP AND BOTTOM ENDS.
6. DEFLECTION TRACKS AT HEAD OF WALLS ARE TYPICALLY USED IN ALL INSTANCES WHERE PARTITIONS ARE FULL HEIGHT FROM FINISH FLOOR TO BOTTOM OF STRUCTURE; SEE TYPICAL DETAIL ON A9.1.
7. COLD FORMED METAL FRAMING SHALL BE USED IN LIEU OF STEEL STUDS WHERE REQUIRED TO MAINTAIN STUD WIDTH INDICATED ON THE DRAWINGS.
8. REFER TO PARTITION DETAILS, DOOR INFORMATION, AND DOOR DETAIL



NOTE:
1. THE ABOVE ILLUSTRATIONS ARE BASED UPON THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN PUBLISHED BY THE DEPARTMENT OF JUSTICE WHICH SETS MINIMUM REQUIREMENTS FOR ACCESSIBILITY. REFER TO THE STANDARDS FOR DETAILED REQUIREMENTS AND INFORMATION. REVIEW 2017 ICC/ANSI 117.1 FOR STANDARDS & REQUIREMENTS SPECIFIC TO THAT PUBLICATION WHICH MAY DIFFER OR SUPPLEMENT THE 2010 ADA.
2. THE ACCESSORIES DEPICTED ARE GENERAL SELECTIONS FOR ILLUSTRATIVE PURPOSES; SPECIFIC ACCESSORIES FOR A PROJECT SHOULD BE VERIFIED WITH APPLICABLE REQUIREMENTS.
3. THE DIMENSIONS DENOTED WITH AN ASTERISK (*) ARE RECOMMENDED INSTALLATION HEIGHTS BY ONE MANUFACTURER OF TOILET ROOM ACCESSORIES. OTHER MANUFACTURERS MAY HAVE DIFFERENT RECOMMENDATIONS AND SHOULD BE VERIFIED FOR COMPLIANCE WITH THE STANDARDS.

30 ADA TOILET ROOM ACCESSORY MOUNTING HEIGHTS
3/8" = 1'-0"



NOTE:
1. THE ABOVE ILLUSTRATIONS ARE BASED UPON THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN PUBLISHED BY THE DEPARTMENT OF JUSTICE WHICH SETS MINIMUM REQUIREMENTS FOR ACCESSIBILITY. REFER TO THE STANDARDS FOR DETAILED REQUIREMENTS AND INFORMATION. REVIEW 2017 ICC/ANSI 117.1 FOR REQUIREMENTS & STANDARDS SPECIFIC TO THAT PUBLICATION WHICH MAY DIFFER OR SUPPLEMENT THOSE OF THE 2010 ADA.

WATER CLOSET
*SEE 2010 ADA PARAGRAPH 604.9 TABLE FOR HEIGHTS & CLEARANCES FOR CHILDREN.
NOTE: LOCATE MANUAL FLUSH VALVES ON OPEN SIDE OF WATER CLOSET. CONSIDER A FLUSH OR RECESSED SENSOR/FLUSH BUTTON FOR CHILDREN WHERE GRAB BAR INTERFERES WITH FLUSH VALVE.

URINAL
*SEE 2010 ADA PARAGRAPH 308.1 TABLE FOR REACH HEIGHT RANGES FOR CHILDREN ACCORDING TO AGE.
NOTE: 30"x52" CLEAR FLOOR SPACE FOR APPROACH EXTENDS VERTICALLY AT THE URINAL.

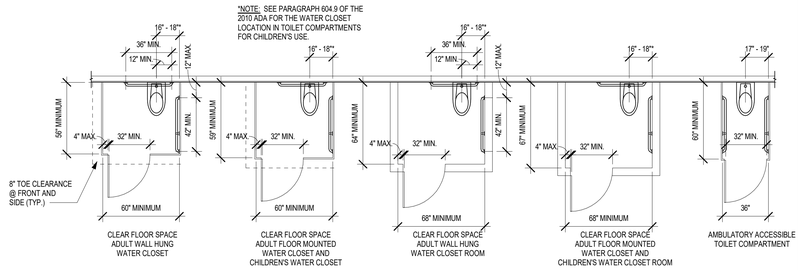
LAVATORY/SINK
*SEE 2010 ADA PARAGRAPH 606.2, EXCEPTION 4, FOR LAVATORY HEIGHT & KNEE CLEARANCE FOR CHILDREN.
NOTE: 30"x52" CLEAR FLOOR SPACE FOR APPROACH EXTENDS VERTICALLY AT THE LAVATORY/ SINK.
INSULATE OR OTHERWISE PROTECT WATER SUPPLY & DRAIN PIPES AGAINST CONTACT.

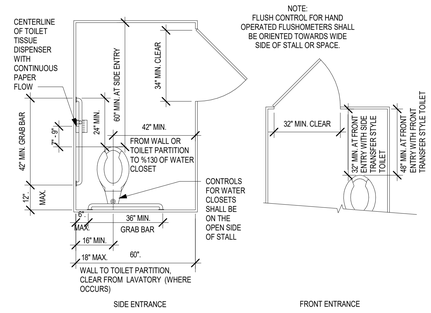
COUNTERTOP MOUNTED LAVATORY/SINK

DUAL HEIGHT DRINKING FOUNTAIN AND DRINKING FOUNTAIN
NOTE: 30"x52" CLEAR FLOOR SPACE FOR FORWARD APPROACH REQUIRED.

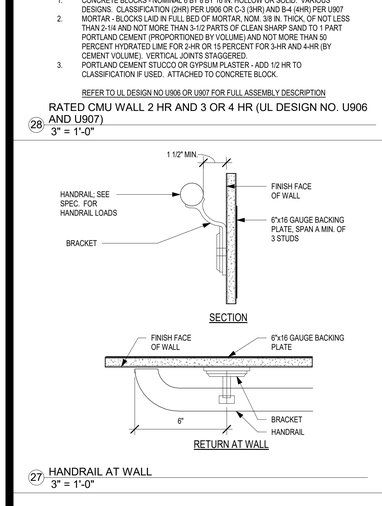
BOTTLE FILLER WITH CHILLER
NOTE: 30"x52" CLEAR FLOOR SPACE FOR FORWARD APPROACH REQUIRED.

29 ADA PLUMBING FIXTURE & ACCESSORY INSTALLATION LOCATIONS
3/8" = 1'-0"





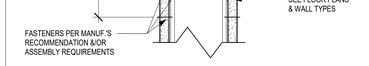
9 ADA TOILET COMPARTMENT CLEARANCE REQUIREMENTS
1/4" = 1'-0"



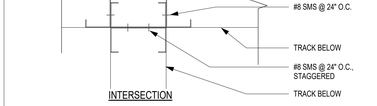
1. CONCRETE BLOCKS - NOMINAL 6 BY 8 BY 16 IN. HOLLOW OR SOLID. VARIOUS DESIGNS. CLASSIFICATION (2HR) PER U906 OR C-3 (3HR) AND B-4 (4HR) PER U907
2. MORTAR - BLOCKS LAID IN FULL BED OF MORTAR, NOM. 3/8 IN. THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME FOR 2-HR OR 15 PERCENT FOR 3-HR AND 4-HR (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.
3. PORTLAND CEMENT STUCCO OR GYPSUM PLASTER - ADD 1/2 HR TO CLASSIFICATION IF USED. ATTACHED TO CONCRETE BLOCK.

REFER TO UL DESIGN NO U906 OR U907 FOR FULL ASSEMBLY DESCRIPTION

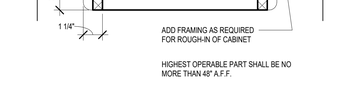
28 RATED CMU WALL 2 HR AND 3 OR 4 HR (UL DESIGN NO. U906 AND U907)
3" = 1'-0"



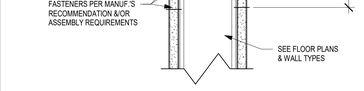
23 NON RATED WALL PERPENDICULAR TO FLOOR DECK
3" = 1'-0"



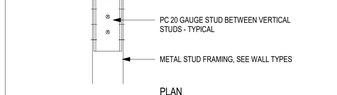
18 STUD PARTITION INTERSECTIONS
N.T.S.



13 SEMI-RECESSED FIRE EXTINGUISHER CABINET
3" = 1'-0"

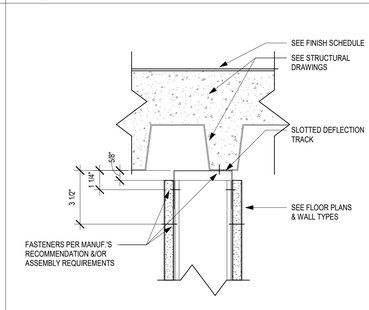


8 NON RATED WALL PARALLEL TO ROOF DECK
3" = 1'-0"

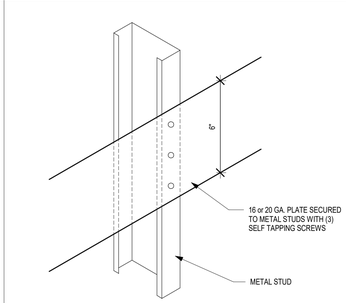


3 TRACK SPLICE
N.T.S.

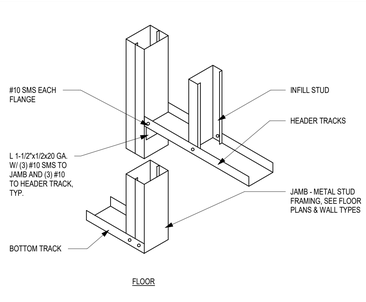
27 HANDRAIL AT WALL
3" = 1'-0"



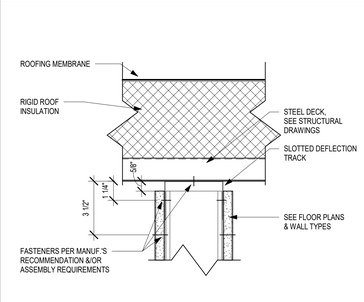
22 NON RATED WALL PARALLEL TO FLOOR DECK
3" = 1'-0"



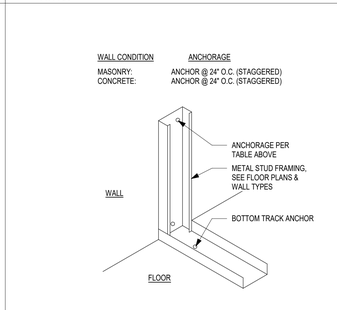
17 STUD WALL BACKING
N.T.S.



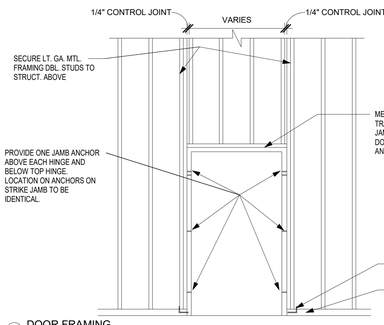
12 NON-LOAD BEARING SINGLE TRACK HEADER
N.T.S.

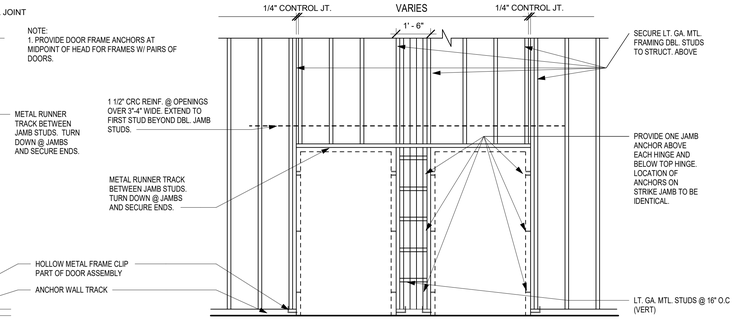


7 NON RATED WALL PERPENDICULAR TO ROOF DECK
3" = 1'-0"

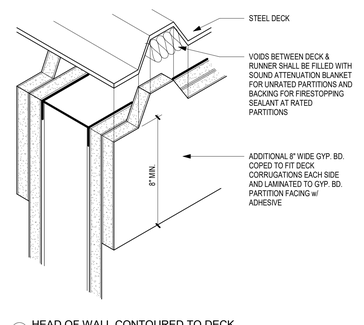


2 STUD TO WALL ANCHORAGE
N.T.S.

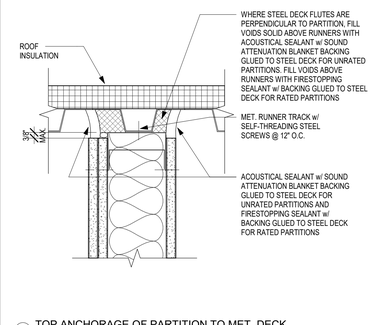




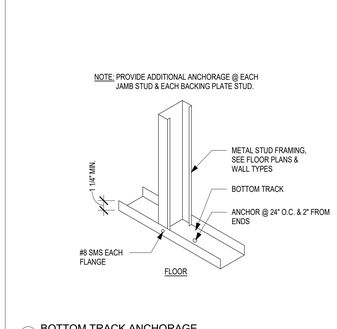
26 DOOR FRAMING
3/8" = 1'-0"



11 HEAD OF WALL CONTOURED TO DECK
N.T.S



6 TOP ANCHORAGE OF PARTITION TO MET. DECK
3" = 1'-0"



1 BOTTOM TRACK ANCHORAGE
N.T.S.

VanWoert Bigotti architects
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reno, nevada 89502
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f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
GENERAL DETAIL

job number
25015

date
OCTOBER 13, 2026

drawing number
G3.0

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GENERAL NOTES:

1. CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE PROJECT SPECIFICATIONS, PROJECT PLANS, AND CONSTRUCTION DETAILS, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) AND THE STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION (SDPWC), NEVADA ADMINISTRATIVE CODE NAC445–A WATER CONTROLS, AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER. ALL SPECIFICATIONS REFERENCED HEREIN REFER TO THE PROJECT SPECIFICATIONS SECTION UNLESS INDICATED OTHERWISE. WHERE CONFLICTS EXIST BETWEEN SPECIFICATIONS, CONTRACTOR SHALL ADHERE TO THE STRICTER SPECIFICATION WITH APPROVAL OF THE OWNER.

   1.1. GENERAL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF SSPWC.
   1.2. WATER CONSTRUCTION AND MATERIALS SHALL CONFORM TO AMERICAN WATERWORKS ASSOCIATION (AWWA) REQUIREMENTS AS THEY EXISTED ON JULY 1, 2014, THE 2012 EDITION OF SSPWC (PER NAC 445A.6663), AND BE NSF COMPLIANT (I.E. LEAD–FREE).

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOB SITE SAFETY DURING CONSTRUCTION, AND ALL WORK SHALL CONFORM TO PERTINENT SAFETY REGULATIONS AND CODES. TEMPORARY FENCE AND/OR BARRICADE THE CONSTRUCTION AREA AS REQUIRED TO PROTECT ADJACENT SITES, VEHICULAR TRAFFIC, AND PEDESTRIAN TRAFFIC. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF OSHA, NDOC, AND NRS CHAPTER 618, IN THE CONSTRUCTION PRACTICES FOR ALL EMPLOYEES DIRECTLY ENGAGED IN THE CONSTRUCTION OF THIS PROJECT.

3. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL THROUGHOUT CONSTRUCTION IN ACCORDANCE WITH APPLICABLE PARTS OF SSPWC SECTION 332, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD, LATEST EDITION) AND THE STATE OF NEVADA, DEPARTMENT OF TRANSPORTATION, TRAFFIC CONTROL STANDARDS. NO STREET CLOSURES WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE OWNER AND THE USING AGENCY. SITE CONTROLS AND TEMPORARY FENCING REQUIREMENTS FOR WORK WITHIN THE SECURE NNCC SITE ARE DETAILED IN "GENERAL SITE ACCESS NOTES" ON (THIS SHEET).

4. LOCATE AND/OR PROTECT ALL EXISTING AND PROPOSED PIPING, UTILITIES, STRUCTURES ADJACENT TO STREETS, AND ALL OTHER EXISTING IMPROVEMENTS THROUGHOUT CONSTRUCTION. ANY DAMAGES WILL BE REPLACED TO AS GOOD OR BETTER CONDITION BY CONTRACTOR AT THEIR EXPENSE.

5. THE CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY BOXES AND FRAME AND COVERS, BOTH HORIZONTALLY AND VERTICALLY, AS REQUIRED TO FIT THE NEW WORK. THE CONTRACTOR SHALL REPLACE ANY APPURTENANCES, PLANTS AND SURFACING DAMAGED DURING RELOCATION.

6. UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THE PLANS. HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PROVIDED BASED ON THE BEST INFORMATION AVAILABLE. CONTRACTOR SHALL VERIFY ACTUAL LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT, USA, AT 811 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION.

7. FINAL INSPECTIONS WILL BE PERFORMED BY THE OWNER ACCORDING TO THE INSPECTION AND TESTING PROCEDURES PROVIDED IN THE PROJECT SPECIFICATIONS.

8. MODIFICATIONS TO THE APPROVED PLANS REQUIRES REVIEW AND APPROVAL BY THE OWNER & ENGINEER. WORK PERFORMED WITHOUT WRITTEN APPROVAL WILL REQUIRE REMOVAL AT THE CONTRACTORS EXPENSE.

9. THE APPROVED PLANS, PERMITS AND INSPECTION RECORDS MUST BE ON THE JOB SITE AT ALL TIMES.

10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO POTHOLE EXISTING WATERLINES AND UTILITIES SURROUNDING THE AREA TO DETERMINE THE EXACT LOCATION AND DEPTH. POTHOLING SHALL OCCUR A MINIMUM OF 7 DAYS PRIOR TO THE COMMENCEMENT OF WORK IN ANY AREA. CONTRACTOR SHALL REPORT THE FINDINGS TO THE ENGINEER WITHIN 24 HOURS AFTER COMPLETION. IF CONFLICT IS ENCOUNTERED, CONTRACTOR SHALL COORDINATE WITH ENGINEER AND ALLOW 3 DAYS FOR REDESIGN OF PROPOSED UTILITY OR EXISTING UTILITY RELOCATION.

11. INTERRUPTION OF EXISTING WATER AND SEWER SERVICE IS NOT PERMITTED. SCHEDULED UTILITY INTERRUPTIONS REQUIRE A MINIMUM OF TEN (10) DAYS NOTICE TO THE OWNER. ALL UTILITY INTERRUPTIONS SHALL BE COORDINATED WITH NNCC. EXTENSIVE COORDINATION WILL BE NECESSARY FOR UTILITY INTERRUPTIONS TO THE FOLLOWING BUILDINGS: MEDICAL FACILITY, CULINARY BUILDING, AND HOUSING UNITS. SPECIFIC BUILDINGS MAY HAVE DIFFERENT ALLOWABLE DURATIONS AND TIMES FOR UTILITY INTERRUPTIONS. CONTRACTOR SHALL ABIDE BY NNCC STAFF JUDGEMENT ON HOW LONG AND AT WHAT TIME DURING THE DAY INTERRUPTIONS CAN OCCUR, IN ORDER TO MINIMIZE IMPACT ON FACILITY OPERATIONS. THE CONTRACTOR SHALL NOT OPERATE ANY EXISTING WATER VALVES.

12. CONTRACTOR SHALL SEAL AND SECURE ANY OPENINGS IN UNFINISHED PIPING OR APPURTENANCES AT THE END OF EACH WORKING DAY IN SUCH A MANNER AS TO PREVENT THE ENTRY OF BIRDS, OTHER ANIMALS, DIRT, TRENCH WATER, AND OTHER SOURCES OF POLLUTION OR CONTAMINATION (NAC445A.67145 (8)).

13. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.

14. PURSUE WORK IN A CONTINUOUS AND DILIGENT MANNER TO ENSURE A TIMELY COMPLETION OF THE PROJECT.

15. MAINTAIN THE SITE IN A NEAT AND ORDERLY MANNER THROUGHOUT THE CONSTRUCTION PROCESS. ALL MATERIALS SHALL BE STORED WITHIN APPROVED CONSTRUCTION AREAS ON PAVED SURFACES ONLY. CONTRACTOR SHALL STORE/CONTAIN, HANDLE AND TRANSPORT HAZARDOUS OR FLAMMABLE MATERIALS TO MINIMIZE THE POTENTIAL FOR SPILLS, FIRES OR EXPLOSIONS. STORAGE/CONTAINMENT, HANDLING AND TRANSPORT OF HAZARDOUS OR FLAMMABLE MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL, STATE OR FEDERAL REQUIREMENTS.

16. WASTE FROM CONSTRUCTION ACTIVITIES SHALL BE RECYCLED, REUSED, OR DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.

17. VEHICLE ACCIDENTS, INJURIES, SPILLS OR OTHER INCIDENTS SHALL BE IMMEDIATELY REPORTED TO THE OWNER OR OWNER REPRESENTATIVE.

18. CONSTRUCTION STAGING AREA SHALL BE AT DESIGNATED AREAS SHOWN ON THE TEMPORARY FENCING AND STAGING SHEET. ROAD SHOULDERS MAY BE UTILIZED FOR EQUIPMENT STAGING AREAS ONLY. OWNER MAY DESIGNATE WHICH AREAS MAY BE USED, WHEN, AND FOR HOW LONG. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF ALL EQUIPMENT AND MATERIALS. CONTRACTOR MAY OBTAIN PERMISSIONS FROM USING AGENCY TO STAGE AT OTHER LOCATIONS ON OWN ACCORD.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND SHALL REPLACE ANY MONUMENTS OBLITERATED OR DAMAGED DURING CONSTRUCTION AT HIS EXPENSE, REPLACEMENT SHALL BE PERFORMED BY A LICENSED PROFESSIONAL LAND SURVEYOR.

20. THE CONTRACTOR SHALL UTILIZE CONSTRUCTION TECHNIQUES TO MINIMIZE GRADING, VEGETATION REMOVAL, AND SURFACE DISTURBANCE. CONTRACTOR WILL BE RESPONSIBLE FOR THE RESTORATION OF ALL LANDSCAPING, SOD, CURBS, ASPHALT, DRIVEWAY PAVERS, RIP RAP, RETAINING WALLS, IRRIGATION PIPING AND LANDSCAPE LIGHTING TO EQUAL OR BETTER THAN EXISTING CONDITION. ALL COST FOR RESTORATION WILL BE INCLUDED IN THE APPLICABLE BID ITEM.

21. ALL QUANTITIES SHOWN HEREIN ARE APPROXIMATE AND USED FOR PERMIT AND BOND PURPOSES ONLY. THEY SHALL NOT BE USED IN ANY WAY FOR BIDDING OR CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONDUCT QUANTITY TAKE–OFFS FOR BIDDING AND CONSTRUCTION PURPOSES.

22. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT AND MAKE HIS OWN INTERPRETATIONS WITH REGARD TO MATERIALS, METHODS AND EQUIPMENT NECESSARY TO PERFORM THE WORK REQUIRED FOR THIS PROJECT.

23. CONTRACTOR SHALL USE CAUTION WHILE WORKING IN THE VICINITY OF EXISTING OVERHEAD POWER LINES AND MAINTAIN PROPER CLEARANCE AS REQUIRED BY THE POWER COMPANY. EXCAVATION WITHIN 6' OF POWER POLES WILL REQUIRE SUPPORT FROM POWER COMPANY AT NO ADDITIONAL COST TO OWNER.

GENERAL SITE ACCESS NOTES:

1. PROJECT SITE IS A RESTRICTED FACILITY – CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SECURE CONDITIONS ON SITE AT ALL TIMES. TRENCHING UNDER AND WORK ON PERIMETER SECURITY FENCES REQUIRE SUBMITTAL OF CONTRACTOR'S WORK PLAN 10 DAYS IN ADVANCE AND APPROVAL BY THE NNCC WARDEN BEFORE ANY WORK MAY COMMENCE. AT NO TIME CAN THE FACILITY PERIMETER SECURITY FENCE BE COMPROMISED.

2. SITE ACCESSIBILITY MUST BE MAINTAINED AT ALL TIMES. ROAD CLOSURES TO VEHICULAR ACCESS ARE NOT PERMITTED. REQUIRED CLOSURES OR ACCESS RESTRICTIONS REQUIRED FOR ROADWAY IMPROVEMENTS OR UTILITY CONSTRUCTION MUST BE SCHEDULED AND APPROVED BY NNCC REPRESENTATIVES IN ADVANCE.

3. THE MAXIMUM LENGTH OF OPEN TRENCH SHALL CONFORM TO THE PROJECT SPECIFICATIONS AND SHALL BE CONTROLLED BY TEMPORARY CONSTRUCTION FENCING AND NNCC ESCORTS. ALL OPEN TRENCHES SHALL BE BACKFILLED EACH DAY WITHIN THE SPECIFIED WORK HOURS.

4. ALL CONSTRUCTION EMPLOYEES MUST COORDINATE BACKGROUND CHECK AND PRIOR APPROVAL FROM NNCC BEFORE ACCESSING THE SITE.

5. DAILY CONTRACTOR AND EMPLOYEE ACCESS WILL BE COORDINATED THROUGH THE GATE HOUSE. ALL WORK ON–SITE MUST BE COORDINATED WITH NNCC STAFF FOR CUSTODY ESCORT ACCOMPANIMENT BY A DESIGNATED DEPARTMENT OF CORRECTIONS REPRESENTATIVE. AVAILABILITY OF CUSTODY ESCORT PERSONNEL WILL DICTATE THE ALLOWABLE NUMBER OF CONSTRUCTION CREWS AND THE LOCATIONS OF WORK. TWO NNCC STAFF MEMBERS ARE ASSIGNED TO ESCORT FOR THIS PROJECT FOR THE DURATION OF THE PROJECT. THEREFORE, NO MORE THAN TWO WORK CREWS MAY WORK IN DIFFERENT AREAS OF THE SITE AT THE SAME TIME.

6. CONTRACTOR VEHICLE ACCESS MUST BE COORDINATED AT LEAST TWO–WEEKS IN ADVANCE. SEE GENERAL PLAN SHEET MAPS FOR TEMPORARY CONSTRUCTION STAGING AND SITE ACCESS INFORMATION.

5. CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND ACCESS TO THE SITE PRIOR TO BID.

6. SET UP AND REMOVAL OF TRAFFIC CONTROL DEVICES AND TEMPORARY FENCING SHALL BE COMPLETED EACH DAY WITHIN THE SPECIFIED WORK HOURS.

7. WORK INSIDE THE SECURE PERIMETER MUST BE WITHIN THE FOLLOWING SCHEDULE (UNLESS OTHERWISE PERMITTED BY THE OWNER AND THE USING AGENCY):

MONDAY	7:00 AM – 3:30 PM
TUESDAY	7:00 AM – 3:30 PM
WEDNESDAY	7:00 AM – 3:30 PM
THURSDAY	7:00 AM – 3:30 PM
FRIDAY	7:00 AM – 3:30 PM
SATURDAY	NONE
SUNDAY	NONE

EXISTING SITE FENCE AND GATE CROSSINGS:

1. CONTRACTOR SHALL MINIMIZE DISTURBANCE OF EXISTING FENCES, GATES, AND FOOTINGS. CONTRACTOR MAY REMOVE AND SALVAGE EXISTING FENCES AND GATES FOR REUSE IN SUCH A MANNER THAT SO FAR AS PRACTICABLE ALL MATERIAL CAN BE SALVAGED. CONTRACTOR SHALL:

   - CAREFULLY REMOVE, OR PARTIALLY REMOVE, FABRIC FROM POSTS AND TEMPORARILY STORE THE MATERIALS TO BE HANDLED AND PREVENT DAMAGE AND DISTORTION.
   - REMOVE POSTS, EXTENSION ARMS, AND HARDWARE BY METHOD THAT WILL KEEP BREAKAGE TO A MINIMUM.
   - ANY MATERIALS DAMAGED DURING SALVAGING AND CONSTRUCTION MAY BE REJECTED FOR REUSE AS DETERMINED BY THE RESIDENT PROJECT REPRESENTATIVE.

GRADING & EARTHWORK NOTES:

1. THE CONTRACTOR SHALL UTILIZE TECHNIQUES WHICH MINIMIZE GRADING, VEGETATION REMOVAL, AND TEMPORARY AND PERMANENT DISTURBANCE. ALL AREAS DISTURBED AS A RESULT OF THE WORK SHALL BE REVEGETATED.

2. ELEVATIONS NOT SHOWN ON PLANS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. OWNER SHALL APPROVE ALL ELEVATIONS.

3. THE CONTRACTOR SHALL GRADE ALL AREAS TO DRAIN AND SHALL BE RESPONSIBLE FOR ELIMINATING ALL LOW SPOTS OR PONDING AREAS.

4. DRAINAGE SWALES, DITCHES, BERMS, AND OTHER EXISTING CONDITIONS SHALL BE PROTECTED IN PLACE OR RE–ESTABLISHED TO EQUAL OR BETTER CONDITION.

ASBESTOS CEMENT PIPE NOTES:

1. REMOVAL OF ASBESTOS CEMENT PIPE (ACP), TRANSITE PIPE (TR) AND OF MATERIALS CONTAINING ASBESTOS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, LOCAL, STATE, AND FEDERAL INCLUDING BUT NOT LIMITED TO HEALTH DEPARTMENT, OSHA, NDEP, AND EPA. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL PERMITS AND PAY ALL ASSOCIATED FEES AND COST RELATED TO THE LEGAL HANDLING, TRANSPORTATION AND DISPOSAL. PROPER SAFETY EQUIPMENT SHALL BE UTILIZED BY WORKERS AND BY TRANSPORT EQUIPMENT AND NO FUGITIVE DUST WILL BE ALLOWED DURING THIS WORK. MATERIAL SHALL BE WRAPPED IN PLASTIC AND LABELED AS REQUIRED. ALL WORK TO BE PERFORMED UNDER THE DIRECTION OF AN APPROVED CERTIFIED PROFESSIONAL. THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE ENGINEER FOR CHAIN OF CUSTODY FOR SAID DISPOSAL.

2. REMOVAL OF ACP PIPE SHALL BE PERFORMED ONLY WHEN NECESSARY FOR CONSTRUCTION.

3. PIPE SHALL BE WRAPPED IN PLASTIC AND LABELED AS REQUIRED BEFORE LEAVING TRENCH AND PROPERLY STORED BEFORE TRANSPORTATION TO AN APPROVED LANDFILL WHICH ACCEPTS ASBESTOS.

4. PROPER SAFETY EQUIPMENT SHALL BE UTILIZED BY WORKERS AND BY TRANSPORT EQUIPMENT AND NO FUGITIVE DUST WILL BE ALLOWED DURING THIS WORK.

5. ALL WORK TO BE PERFORMED UNDER THE DIRECTION OF AN APPROVED CERTIFIED PROFESSIONAL THROUGH THE NEVADA DIVISION OF INDUSTRIAL RELATIONS OCCUPATIONAL SAFETY AND HEALTH ENFORCEMENT SECTION.

DUST AND EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR PREVENTING CONTROLLABLE FUGITIVE DUST FROM THE PROJECT'S DISTURBED AREAS TO BECOME AIRBORNE ON A 7–DAY/WEEK, 24–HOUR/DAY BASIS FROM COMMENCEMENT OF THE PROJECT TO FINAL COMPLETION.

2. WATER SHALL BE APPLIED TO THE ROADWAY AND EXPOSED DIRT AREAS BY WATER TRUCK OR WATER HOSE TO CONTROL FUGITIVE DUST SO LONG AS NO DISCHARGE OF WASTE MATERIAL TO SURFACE DRAINAGE OCCURS.

3. REGULAR VACUUM OR SWEEPING OF PAVED SURFACES WHERE CONSTRUCTION IS OCCURRING WILL BE PERFORMED AT LEAST DAILY AND MORE OFTEN IF NECESSARY TO REMOVE DIRT OR WASTE RESULTING FROM THE CONSTRUCTION.

4. STOCKPILED EARTHEN MATERIALS SHALL BE STABILIZED BY MAINTAINING A VISIBLE CRUST BY APPLYING ADEQUATE MOISTURE; OR COVERING THE MATERIALS WITH A TARP TO PREVENT VISIBLE FUGITIVE DUST EMISSIONS.

5. ALL TRUCKS IMPORTING OR EXPORTING DIRT, ROCK OR OTHER FILL MATERIALS SHALL PREVENT SPILLAGE OR LOSS OF BULK MATERIAL FROM HOLES OR OTHER OPENINGS IN THE CARGO COMPARTMENT FLOOR, SIDES, AND/OR TAILGATE. ALL HAUL TRUCKS MUST BE COVERED WITH A TARP OR OTHER SUITABLE CLOSURE; OR BULK MATERIALS MUST CONTAIN ENOUGH MOISTURE AND/OR DUST SUPPRESSANT TO PREVENT FUGITIVE DUST EMISSIONS DURING TRANSPORT; OR LOAD ALL TRUCKS SUCH THAT THE FREEBOARD IS NOT LESS THAN SIX (6) INCHES. ALL MATERIALS NOT TO BE INCORPORATED INTO THE WORK SHALL BE HAULED OUTSIDE OF THE TAHOE BASIN.

6. ALL PROJECT RELATED VEHICLES SHALL PARK ON EXISTING PAVED SURFACES OR EXISTING COMPACTED ROAD SHOULDERS. CONTRACTOR SHALL MINIMIZE CONSTRUCTION RELATED VEHICLE AND EQUIPMENT EMISSIONS DURING CONSTRUCTION BY SHUTTING OFF EQUIPMENT AND VEHICLES NOT IN USE. IDLING OF DIESEL ENGINES SHALL BE KEPT AT A MINIMUM SO FAR AS PRACTICAL.

7. BEST MANAGEMENT PRACTICES SHALL BE IN PLACE FOR DUST CONTROL AND EROSION CONTROL DURING CONSTRUCTION (COIR LOGS, GRAVEL BAGS, SILT FENCE) PER PROJECT PLAN DETAILS.

8. THE CONTRACTOR SHALL INCORPORATE ADEQUATE DRAINAGE PROCEDURES DURING THE CONSTRUCTION PROCESS TO ELIMINATE EXCESSIVE EROSION OR PONDING AND TO PROTECT ADJACENT IMPROVEMENTS AND PROPERTIES FROM AN INFLUX OF RUNOFF OR SEDIMENT. SEDIMENTATION FENCING IS REQUIRED AT THE LIMITS OF GRADING.

9. THE CONTRACTOR SHALL MAINTAIN A DUST CONTROL PROGRAM INCLUDING WATERING OF OPEN AREAS, 7 DAYS A WEEK. NO FUGITIVE DUST FROM THE SITE SHALL BE ALLOWED.

10. IF NECESSARY, CONTRACTOR SHALL ENHANCE EROSION CONTROL MEASURES IN THE FIELD.

11. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL:
    5.1 STABILIZE ENTRANCES AND EQUIPMENT PARKING AREAS;
    5.2 INSTALL SEDIMENT CONTROL DEVICES, AND
    5.3 INSTALL WASH DOWN AREA.

12. UPON COMPLETION OF THE PROJECT, WITHIN 15 DAYS OF COMPLETION OF ANY PHASE, THE CONTRACTOR SHALL:
    6.1 REMOVE ALL GRADING AND CONSTRUCTION DEBRIS;
    6.2 REMOVE ALL TEMPORARY EROSION CONTROL MEASURES (AFTER PERMANENT MEASURES ARE ESTABLISHED), AND
    6.3 REVEGETATE DISTURBED AREAS WITH NATIVE SEED IN AREAS OUTSIDE OF THE COMPACTED ROADWAYS.

13. EQUIPMENT AND VEHICLES SHALL NOT TRAVEL BEYOND THE LIMITS OF GRADING TO PREVENT DISRUPTION OF NATIVE VEGETATION.

14. STOCKPILED TOP SOILS AND VEGETATIVE STRIPPINGS ARE TO BE REAPPLIED TO DISTURBED SLOPE AREAS.

15. ALL AREAS DISTURBED AND LEFT UNDEVELOPED FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE STABILIZED BY THE APPLICATION OF DUST PALLIATIVE. ALL AREAS LEFT UNDEVELOPED FOR MORE THAN 90 DAYS SHALL BE HYDRO–SEEDED WITH AN APPROVED SEED MIX AND TACKIFIER AND SHALL BE IRRIGATED UNTIL FIRMLY ESTABLISHED.

16. CONCENTRATED CONSTRUCTION FLOWS SHALL BE CHANNELIZED TO TEMPORARY OR PERMANENT SEDIMENT TREATMENT FACILITIES. SEDIMENT LADEN WATER SHALL NOT ENTER THE NATURAL DRAINAGE OR PUBLIC STORM DRAIN SYSTEM.

17. DEWATERING EFFLUENT SHALL BE TREATED PRIOR TO DISCHARGE BY MEANS OF DEWATERING STRUCTURES (e.g. STRAW BALE FILTER/SILT FENCE PIT, GRAVEL FILTER, ETC.).

18. PROTECT ALL STORM DRAIN INLETS IN THE VICINITY OF CONSTRUCTION AND STAGING AREAS.

BYPASS PUMPING NOTES:

1. CONTRACTOR TO PROVIDE TEMPORARY CONNECTION TO NEW MAIN OR BYPASS PUMPING TO PROVIDE UNINTERRUPTED FLOW TO THE SYSTEM NOT BEING WORKED ON. CONTRACTOR SHALL PROVIDE BYPASS PUMPING AS REQUIRED TO COMPLETE CONSTRUCTION OF THE NEW SYSTEM. SEWER TO BE COUPLED TO EXISTING AND FLOW RE–ESTABLISHED AT END OF EACH DAY, CONTRACTOR TO SUBMIT BYPASS PUMPING PLAN WITH MAPS IDENTIFYING THE SEQUENCE OF FLOWS TO BE BYPASSED, WITH TEMPORARY CONNECTIONS TO NEW MAINS IDENTIFIED.

2. TEMPORARY CONNECTIONS MAY BE USED IN LIEU OF BYPASS PUMPING. POTENTIAL TEMPORARY CONNECTION LOCATIONS MAY BE INDICATED IN THE DRAWINGS, BUT ARE NOT INTENDED TO BE A REQUIREMENT OR BE CONSTRUED TO BE ALL INCLUSIVE OF EVERY INSTANCE. DIFFERING METHODS, CONDITIONS, SITUATIONS, AND SEQUENCES WILL GREATLY AFFECT THE NEED FOR OR SUITABILITY OF TEMPORARY CONNECTIONS.

3. TEMPORARY CONNECTIONS SHALL BE APPROVED PRIOR TO INSTALLATION.

4. ALL TEMPORARY CONNECTIONS SHALL BE ABANDONED IN A MANNER IN WHICH THE CAP IS CLEARLY VISIBLE IN PIPE VIDEO.

5. CONTRACTOR IS RESPONSIBLE TO MAINTAIN TEMPORARY CONNECTIONS THROUGH THE ENTIRETY OF SERVICE.

6. TEMPORARY CONNECTIONS SHALL UTILIZE A WYE CONNECTION IN THE MAIN, EVEN IF IT RESULTS IN ADVERSE GRADE, WITH WYE BRANCH ABOVE PIPE SPRING LINE.

7. WYE BRANCH MAY BE REDUCED USING ECCENTRIC REDUCERS UP TO 2 NOMINAL PIPE SIZES SMALLER THAN THE CONNECTING MAIN.

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
GENERAL NOTES

job number
25015

date
OCTOBER 13, 2026

drawing number
C0.00

DOWL
www.dowl.com
5510 Longley Lane
Reno, Nevada 89511
775-851-4788

DESIGN DEVELOPMENT

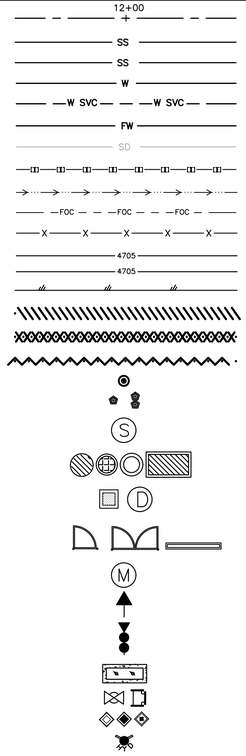
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ABBREVIATIONS

@	– AT	GV	– GATE VALVE	SD	– STORM DRAIN
AB	– AGGREGATE BASE	HDPE	– HIGH DENSITY POLYETHYLENE	SDMH	– STORM DRAIN MANHOLE
ABND	– ABANDON	HDWL	– HEADWALL	SHPO	– STATE HISTORIC PRESERVATION OFFICE
AC	– ASHPALT CONCRETE	HMA	– HOT MIX ASPHALT	SHT	– SHEET
ACP	– ASBESTOS CEMENT PIPE	HP	– HIGH POINT	SQ FT, SF	– SQUARE FOOT
ADA	– AMERICANS WITH DISABILITIES ACT	HWL	– HIGH WATER LEVEL	SQ YD, SY	– SQUARE YARD
ADJ	– ADJACENT	ID	– INSIDE DIAMETER	SPWD	– STATE PUBLIC WORKS DIVISION
AGG	– AGGREGATE	IE	– INVERT ELEVATION	SS	– SANITARY SEWER
AIP	– ABANDON IN PLACE	IN	– INCH	SSCO	– SANITARY SEWER CLEANOUT
ALT	– ALTERNATE	INT	– INTERSECTION	SSMH	– SANITARY SEWER MANHOLE
AVE	– AVENUE	INV	– INVERT	SSPWC	– STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
BC	– BACK OF CURB	IRR	– IRRIGATION	SSRBC	– STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
BCR	– BACK OF CURB RADIUS	JB	– JUNCTION BOX	STA	– STATION
BDRY	– BOUNDARY	LAT	– LATERAL	STD	– STANDARD
BEG	– BEGIN	LF	– LINEAR FEET	STL	– STEEL
BF	– BLIND FLANGE	LG	– LIP OF GUTTER	STRUCT	– STRUCTURAL OR STRUCTURE
BFPA	– BACKFLOW PREVENTION ASSEMBLY	LOC	– LENGTH OF CURB	SVC	– SERVICE
BLDG	– BUILDING	LP	– LOW POINT	SW	– SIDEWALK
BM	– BENCH MARK	L	– LEFT	T, TELE	– TELEPHONE
BOT	– BOTTOM	LS	– LIFT STATION	TBA	– TO BE ADJUSTED
BW	– BACK OF SIDEWALK	LWL	– LOW WATER LEVEL	TBC	– TOP BACK OF CURB
C – C	– CENTER TO CENTER	MAX	– MAXIMUM	TBR	– TO BE REMOVED
C&G	– CURB & GUTTER	MDD	– MAXIMUM DRY DENSITY	TC	– TOP OF CURB
CATV	– CABLE TELEVISION	MH	– MANHOLE	TEMP	– TEMPORARY
CB	– CATCH BASIN	MIN	– MINIMUM	TFC	– TOP FACE OF CURB
CCP	– CONCRETE CYLINDER PIPE	N, (N)	– NORTHING, NORTH	TMH	– TOP OF MANHOLE
CE	– CROWN ELEVATION	NDEP	– NEVADA DIVISION OF ENVIRONMENTAL PROTECTION	TP	– TOP OF PIPE
CI	– CAST IRON	NDOC	– NEVADA DEPARTMENT OF CORRECTIONS	TR	– TRANSITE
℄	– CENTER LINE	NDP	– NO DIRECT PAYMENT	TRANS	– TRANSITION
CLR	– CLEARANCE	NIC	– NOT IN CONTRACT	TW	– TOP OF WALL
CMP	– CORRUGATED METAL PIPE	NNCC	– NORTHERN NEVADA CORRECTIONAL CENTER	TYP	– TYPICAL
CMU	– CONCRETE MASONARY UNIT	NO	– NUMBER	UG	– UNDERGROUND
CO	– CLEAN OUT	NTS	– NOT TO SCALE	UGE	– UNDERGROUND ELECTRICAL
CONC	– CONCRETE	OC	– ON CENTER	UGT	– UNDERGROUND TELEPHONE
CONST	– CONSTRUCTION OR CONSTRUCT	OD	– OUTSIDE DIAMETER	UGU	– UNDERGROUND UTILITIES
CONT	– CONTINUE	OFF	– OFFSET	UON	– UNLESS OTHERWISE NOTED
COR	– CORNER	OHP	– OVERHEAD POWER	UST	– UNDERGROUND STORAGE TANK
CSP	– CORRUGATED STEEL PIPE	OHU	– OVERHEAD UTILITY	VERT	– VERTICAL
CTR	– CONTRACTOR	P	– POWER	VG	– VALLEY GUTTER
CU FT, CF	– CUBIC FOOT	P&P	– PLAN & PROFILE	(W)	– WEST
CU YD, CY	– CUBIC YARD	PB	– PULL BOX	W, WTR	– WATER
CULV	– CULVERT	PC	– POINT OF CURVE	W/	– WITH
DC	– DEPRESSED CURB	PCC	– PORTLAND CEMENT CONCRETE	WM	– WATER METER
DEPT	– DEPARTMENT	PE	– POLYETHYLENE	WS	– WATER SERVICE
DI	– DUCTILE IRON	PG	– PAD GRADE	WV	– WATER VALVE
DIA	– DIAMETER	PHP	– PLASTIC HIGH PRESSURE	YD	– YARD
DMH	– DROP MANHOLE	PI	– POINT OF INTERSECTION		
DOC	– DEPARTMENT OF CORRECTIONS	PIP	– PROTECT IN PLACE		
DPS	– DEPARTMENT OF PUBLIC SAFETY	PIV	– POST INDICATOR VALVE		
E, (E)	– EASTING, EAST	ℙ	– PROPERTY LINE		
E, ELEC	– ELECTRIC	POC	– POINT OF CONNECTION		
EB	– ELECTRICAL PULL BOX	PP	– POWER POLE		
EBS	– CATHODE PROTECTION BOND STATION	PRC	– POINT OF REVERSE CURVE		
EC	– END OF CURVE	PROP	– PROPOSED		
ECR	– END OF CURB RETURN	PS	– PUMP STATION		
EG	– EXISTING GRADE	PT	– POINT OF TANGENCY		
ELEV	– ELEVATION	PT	– POINT		
EM	– ELECTRIC METER	PUE	– PUBLIC UTILITY EASEMENT		
EMBK	– EMBANKMENT	PVC	– POLYVINYL CHLORIDE PIPE		
EOL	– END OF LINE	PVI	– POINT OF VERTICAL INTERSECTION		
EOP	– EDGE OF PAVEMENT	PVMT	– PAVEMENT		
ESMT	– EASEMENT	PVT	– PRIVATE		
ETS	– CATHODE PROTECTION TEST STATION	Q	– RATE OF FLOW		
EX	– EXISTING	QTY	– QUANTITY		
F&C	– FRAME AND COVER	R	– RADIUS		
FC	– FACE OF CURB	R&D	– REMOVE AND DISPOSE		
FDC	– FIRE DEPARTMENT CONNECTION	R&R	– REMOVE AND REPLACE		
FF	– FINISHED FLOOR	R/W, ROW	– RIGHT OF WAY		
FG	– FINISH GRADE	RC	– REINFORCED CONCRETE		
FH	– FIRE HYDRANT	RCB	– REINFORCED CONCRETE BOX		
FL	– FLOW LINE	RCP	– REINFORCED CONCRETE PIPE		
FO	– FIBER OPTIC	RD	– ROAD		
FOC	– FIBER OPTIC CONDUIT	REINF	– REINFORCED		
FP	– FIRE PROTECTION	RELOC	– RELOCATE		
FT	– FEET OR FOOT	RP	– RADIUS POINT		
FW	– FIRE WATER	RPPA	– REDUCED PRESSURE PRINCIPLE ASSEMBLY		
G	– GAS	R	– RIGHT		
GALV	– GALVANIZED	(S)	– SOUTH		
GB	– GRADE BREAK	S	– SLOPE		

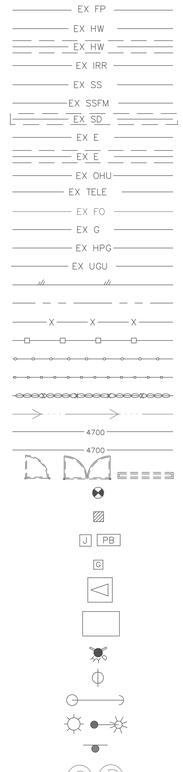
PROPOSED LEGEND

NOTE: PLAN VIEW FITTING BLOCKS ARE NOT ALWAYS SHOWN TO SCALE. CONTRACTOR SHALL VERIFY SIZES OF FITTINGS, BENDS, AND APPURTENANCES AND FIELD FIT AS REQUIRED FOR CONSTRUCTION.



CONSTRUCTION CONTROL LINE/CENTER LINE
SEWER MAIN
SEWER LATERAL
DOMESTIC WATER MAIN
DOMESTIC WATER SERVICE
FIRE WATER
STORM DRAIN
STORM DRAIN BOX CHANNEL
DRAINAGE CHANNEL/FLOWLINE
FIBER OPTIC CONDUIT
FENCE
MAJOR CONTOUR LINE
MINOR CONTOUR LINE
EDGE OF PAVEMENT
TO BE ABANDONED IN PLACE
TO BE DEMOLISHED/REMOVED
TO BE ABANDONED AND SLURRY FILLED
SEWER CONNECTION POINT
ONE–WAY AND TWO–WAY SEWER CLEANOUT
SEWER MANHOLE
MANHOLE/STRUCTURE TO BE ABANDONED
STORM DRAIN STRUCTURE
ACCESS GATE
WATER METER
AIR RELEASE VALVE ASSEMBLY
FLUSH VALVE ASSEMBLY
BACKFLOW PREVENTION ASSEMBLY
GATE VALVE, TEE
WATER CONNECTION POINT (FIRE, DOMESTIC, ADJ SITE)
FIRE HYDRANT

EXISTING LEGEND



WATER
FIRE PROTECTION
HOT WATER/STEAM
HOT WATER LOOP TRENCH
IRRIGATION
SEWER
SEWER FORCEMAIN
STORM DRAIN
ELECTRICAL
HOT WATER LOOP ELECTRICAL TRENCH
OVERHEAD UTILITY
TELEPHONE/COMMUNICATION
FIBER OPTIC
GAS
HIGH PRESSURE GAS
UNIDENTIFIED UNDERGROUND UTILITY
EDGE OF PAVEMENT
PROPERTY LINE & RIGHT OF WAY
FENCE
FARM FENCE/WIRE FENCE
HANDRAIL
TEMPORARY FENCE
FENCE ON BLOCK WALL
DRAINAGE CHANNEL/FLOWLINE
MAJOR CONTOUR LINE
MINOR CONTOUR LINE
GATE
VALVE
YARD HYDRANT
PULLBOX & JUNCTION BOX (ELECTRIC, TELEPHONE, FIBER OPTICS, ETC.)
GAS SERVICE METER
GROUND LEVEL TRANSFORMER
VAULT (TELEPHONE, ELECTRICAL, FIBER OPTICS, ETC.)
FIRE HYDRANT
UTILITY POLE
UTILITY POLE AND ANCHOR
LIGHT POLE
SIGN
MANHOLE
CLEANOUT
BUILDING
BUILDING OVERHANG OR OVERHEAD STRUCTURE
POTENTIAL FUTURE BUILDING
PERIMETER OF STORED MATERIALS
SATELLITE
TREES/VEGETATION
UNPAVED TRAVEL WAY
ROAD STRIPING

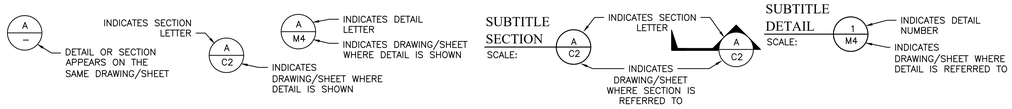
PROFILE VIEW LEGEND

APPLICATION	MANHOLE	EXISTING MANHOLE	SEWER BAND LEGEND	WATER BAND LEGEND	EXISTING HOT WATER TRENCH CROSSING	EXISTING UTILITY TO BE ABANDONED	EXISTING UTILITY TO BE SLURRY–FILLED	EXISTING UTILITY TO BE REMOVED
SYMBOL			EG AT PIPE ℄ 4344.10 12"SDR35 45+00	EG AT PIPE ℄ 12" PIPE IE 4344.10 4337.1 45+00	EXISTING HOT WATER PIPING EXISTING ELECTRICAL CONCRETE ENCASEMENT	EX UTIL	EX UTIL	EX UTIL

HATCH PATTERN LEGEND

APPLICATION	CONCRETE	ASPHALT CONCRETE	LANDSCAPE	SPECIAL CONSTRUCTION	STAGING AREA	GRAVEL RESTORATION	FINISHED GRADE ROAD
EXISTING							
PROPOSED							

DETAIL AND SECTION DESIGNATION



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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
LEGEND & ABBREVIATIONS

job number
25015

date
OCTOBER 13, 2026

drawing number
C0.01

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DESIGN DEVELOPMENT

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SCALE: 1" = 80'

80' 0 80' 160'

CONTROL POINT TABLE				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
5	4677.63	14715986.92	2296505.18	CP RC
6	4677.78	14715882.71	2296051.76	SCRIBED X
7	4677.65	14715634.10	2296031.86	CP 60D
8	4679.30	14715789.61	2296314.64	CP 60D
9	4677.13	14715720.54	2296119.60	SCRIBED X
101	4681.62	14715394.97	2294764.89	CP
102	4684.96	14716027.15	2294777.71	CP
110	4677.70	14715802.98	2296096.72	CP
111	4678.96	14715806.92	2296288.46	CP
151	4679.33	14715592.28	2295319.68	CP
152	4678.24	14715559.72	2295644.02	CP
153	4679.88	14715891.09	2295523.89	CP
3101	4674.95	14715518.55	2295893.44	GCP
3102	4677.01	14715525.98	2295521.51	GCP
3103	4679.08	14715389.54	2295070.35	GCP
3104	4681.87	14716013.68	2295107.25	GCP
3105	4679.10	14716000.23	2295926.59	GCP

BASIS OF BEARINGS:

THE COORDINATES SHOWN HEREON ARE BASED ON THE NORTH AMERICAN DATUM OF 1983/94 (HARN) NEVADA WEST ZONE (EPSG 3431) AS ESTABLISHED BY RTK OBSERVATIONS ON 106 AND RETRIEVED DATA FROM NEVADA GPS CORS STATION DOT1, THE BEARING BETWEEN WHICH IS TAKEN AS N 19° 07' 51" W.

COORDINATES SHOWN ARE SCALED BY 1.000198579 FROM THE NAVADA STATE PLANE GRID ORIGIN POINT 0,0. ALL DISTANCES SHOWN ARE GROUND.

BASIS OF ELEVATION:

THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SITE BENCHMARK IS CARSON CITY CONTROL BRASS CAP IN CONCRETE STAMPED CC066 WITH AN ELEVATION OF 4731.86.

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STATE OF NEVADA
1721 E. SNYDER AVE.
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DESIGN DEVELOPMENT

drawing title
SURVEY CONTROL PLAN

job number
25015

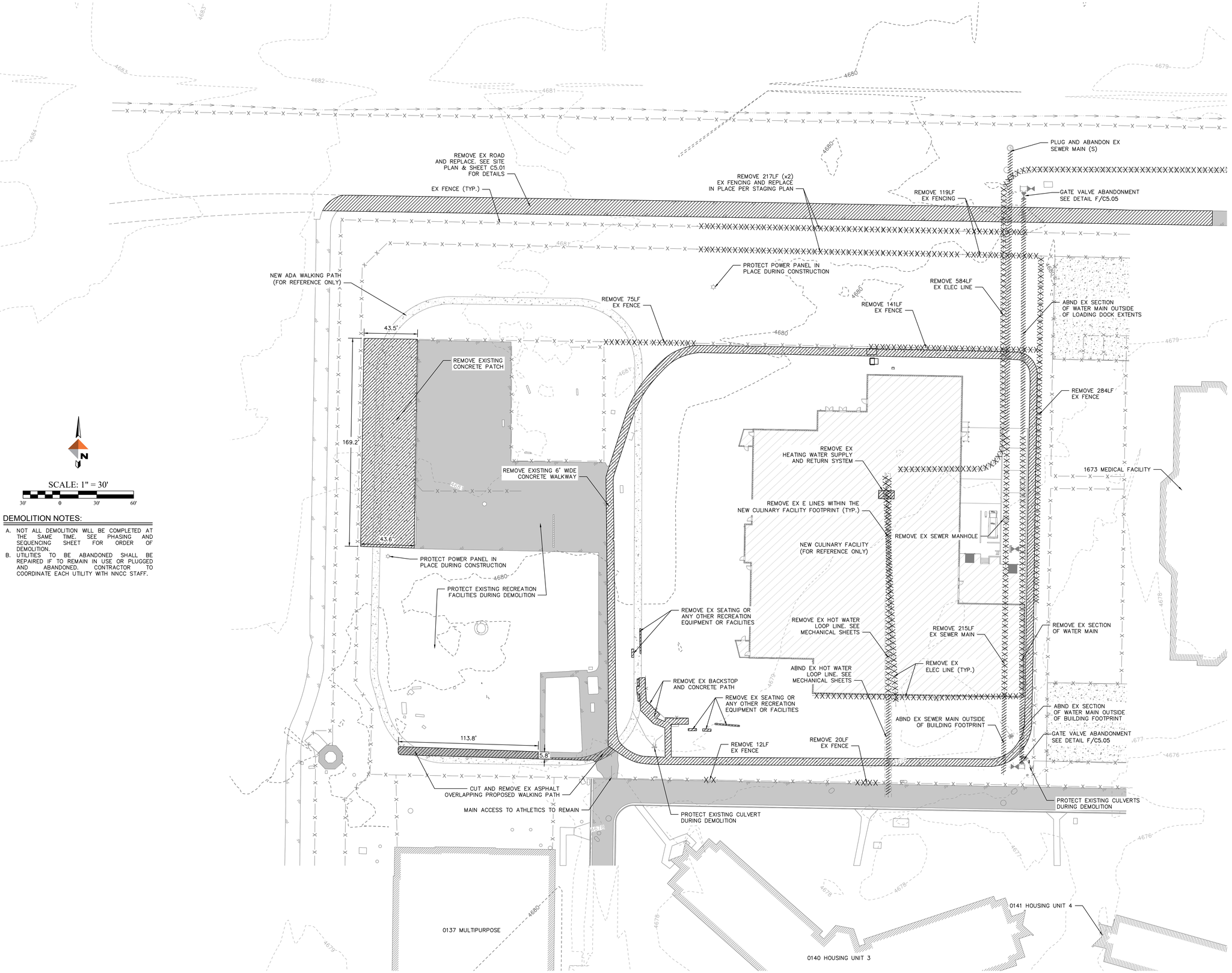
date
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drawing number
C1.01

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SCALE: 1" = 30'

30' 0 30' 60'

DEMOLITION NOTES:

A. NOT ALL DEMOLITION WILL BE COMPLETED AT THE SAME TIME. SEE PHASING AND SEQUENCING SHEET FOR ORDER OF DEMOLITION.
B. UTILITIES TO BE ABANDONED SHALL BE REPAIRED IF TO REMAIN IN USE OR PLUGGED AND ABANDONED. CONTRACTOR TO COORDINATE EACH UTILITY WITH NNCC STAFF.

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DESIGN DEVELOPMENT

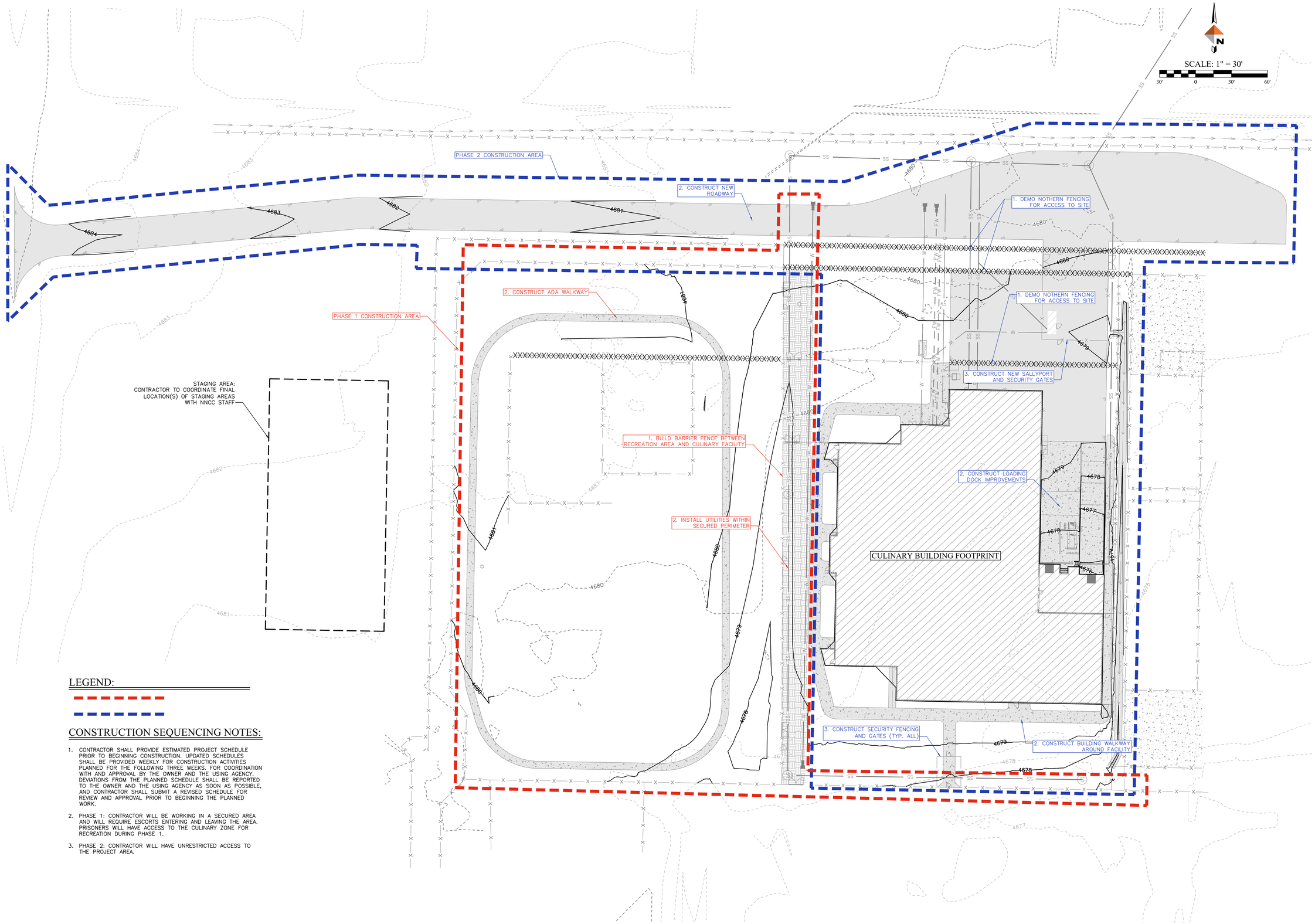
drawing title
DEMOLITION PLAN

job number
25015

date
OCTOBER 13, 2026

drawing number
C1.02

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LEGEND:

CONSTRUCTION SEQUENCING NOTES:

1. CONTRACTOR SHALL PROVIDE ESTIMATED PROJECT SCHEDULE PRIOR TO BEGINNING CONSTRUCTION. UPDATED SCHEDULES SHALL BE PROVIDED WEEKLY FOR CONSTRUCTION ACTIVITIES PLANNED FOR THE FOLLOWING THREE WEEKS. FOR COORDINATION WITH AND APPROVAL BY THE OWNER AND THE USING AGENCY. DEVIATIONS FROM THE PLANNED SCHEDULE SHALL BE REPORTED TO THE OWNER AND THE USING AGENCY AS SOON AS POSSIBLE, AND CONTRACTOR SHALL SUBMIT A REVISED SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING THE PLANNED WORK.
2. PHASE 1: CONTRACTOR WILL BE WORKING IN A SECURED AREA AND WILL REQUIRE ESCORTS ENTERING AND LEAVING THE AREA. PRISONERS WILL HAVE ACCESS TO THE CULINARY ZONE FOR RECREATION DURING PHASE 1.
3. PHASE 2: CONTRACTOR WILL HAVE UNRESTRICTED ACCESS TO THE PROJECT AREA.

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STATE OF NEVADA
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DESIGN DEVELOPMENT

drawing title
PHASING AND STAGING PLAN

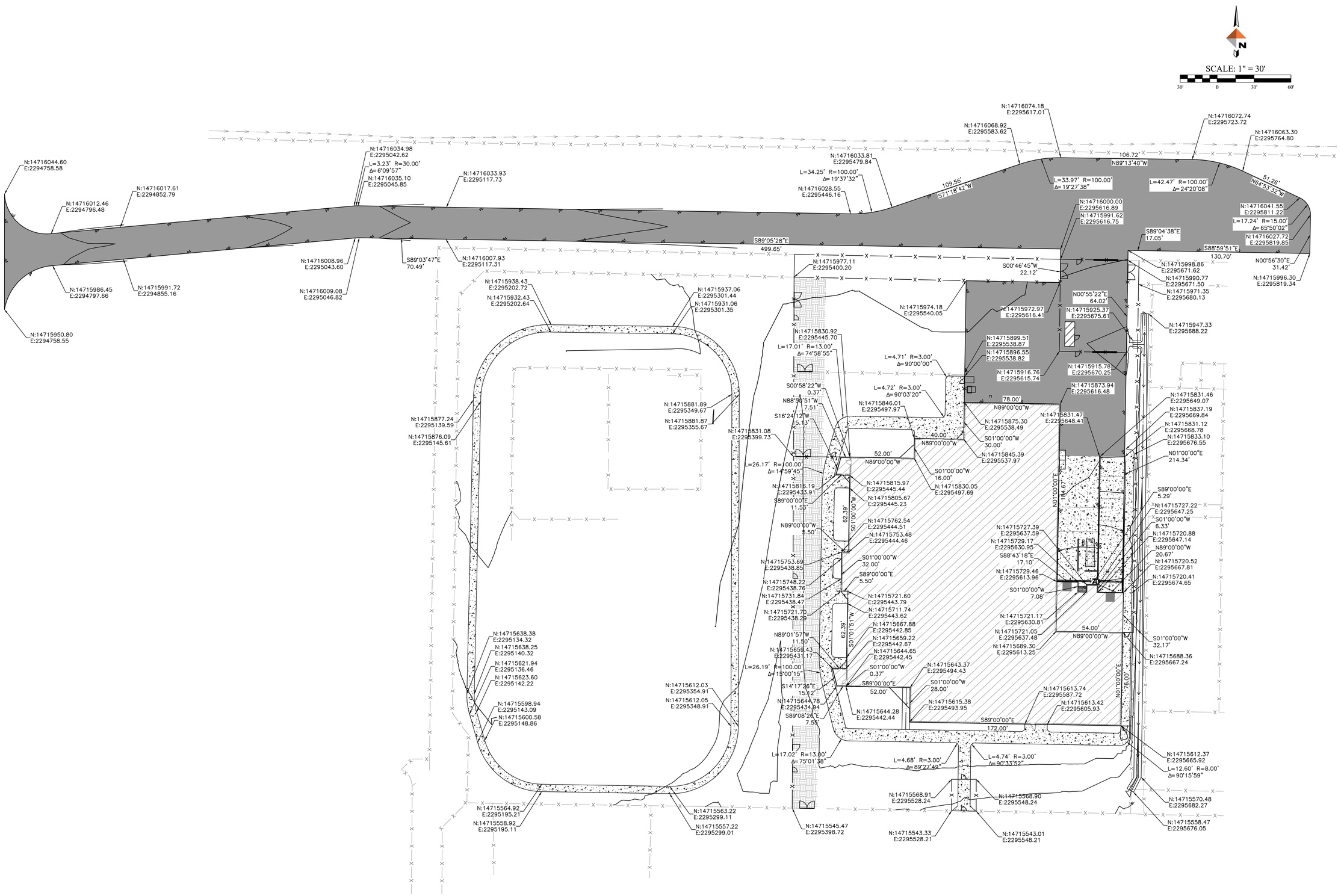
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25015

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DESIGN DEVELOPMENT

drawing title
HORIZONTAL CONTROL SHEET

job number
25015

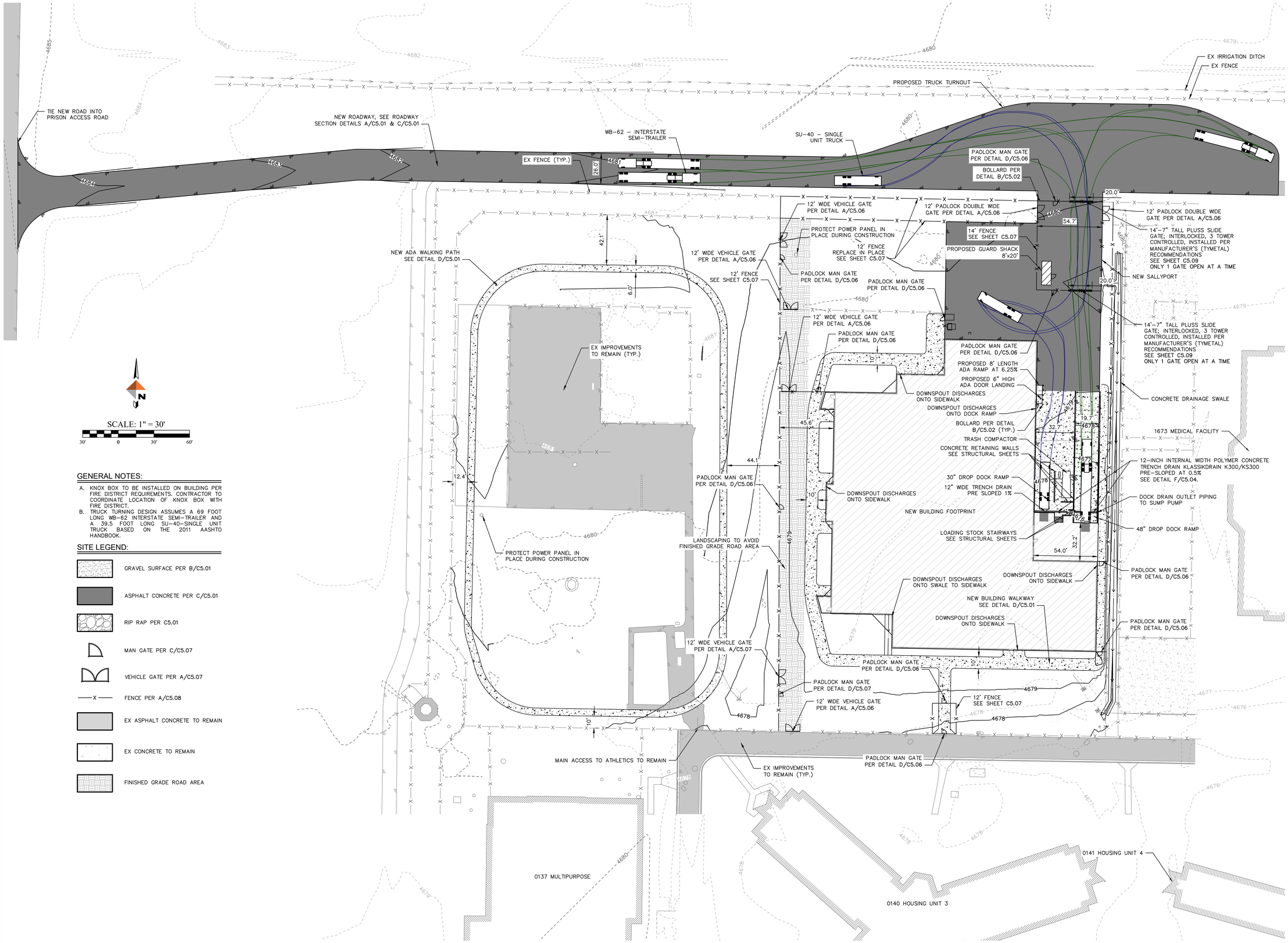
date
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C2.01

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DESIGN DEVELOPMENT

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GENERAL NOTES:

A. KNOX BOX TO BE INSTALLED ON BUILDING PER FIRE DISTRICT REQUIREMENTS. CONTRACTOR TO COORDINATE LOCATION OF KNOX BOX WITH FIRE DISTRICT.
B. TRUCK TURNING DESIGN ASSUMES A 69 FOOT LONG WB-62 INTERSTATE SEMI-TRAILER AND A 39.5 FOOT LONG SU-40-SINGLE UNIT TRUCK BASED ON THE 2011 AASHTO HANDBOOK.

SITE LEGEND:

- GRAVEL SURFACE PER B/C5.01
- ASPHALT CONCRETE PER C/C5.01
- RIP RAP PER C5.01
- MAN GATE PER C/C5.07
- VEHICLE GATE PER A/C5.07
- FENCE PER A/C5.08
- EX ASPHALT CONCRETE TO REMAIN
- EX CONCRETE TO REMAIN
- FINISHED GRADE ROAD AREA

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DESIGN DEVELOPMENT

drawing title
SITE PLAN

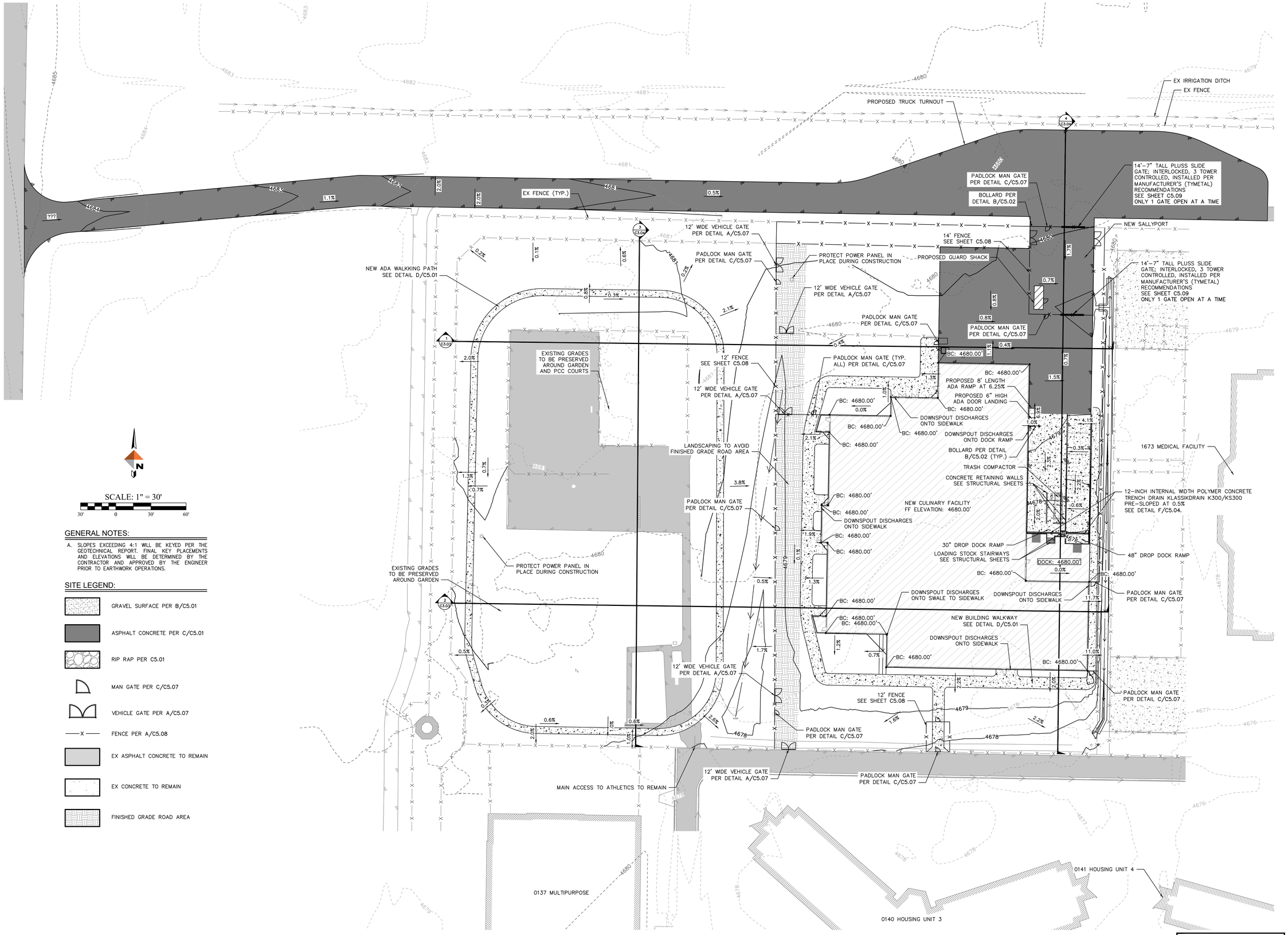
job number
25015

date
OCTOBER 13, 2026

drawing number
C3.01

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DESIGN DEVELOPMENT



GENERAL NOTES:

A. SLOPES EXCEEDING 4:1 WILL BE KEYED PER THE GEOTECHNICAL REPORT. FINAL KEY PLACEMENTS AND ELEVATIONS WILL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO EARTHWORK OPERATIONS.

SITE LEGEND:

- GRAVEL SURFACE PER B/C5.01
- ASPHALT CONCRETE PER C/C5.01
- RIP RAP PER C5.01
- MAN GATE PER C/C5.07
- VEHICLE GATE PER A/C5.07
- FENCE PER A/C5.08
- EX ASPHALT CONCRETE TO REMAIN
- EX CONCRETE TO REMAIN
- FINISHED GRADE ROAD AREA

CUT/FILL TABLE					
	2D AREA (SQ. FT)	CUT (CU. YD)	PAD CUT (CU. YD)	FILL (CU. YD)	NET (CU. YD)
TOTAL	205,520	1,578		2,991	1,414 (FILL)

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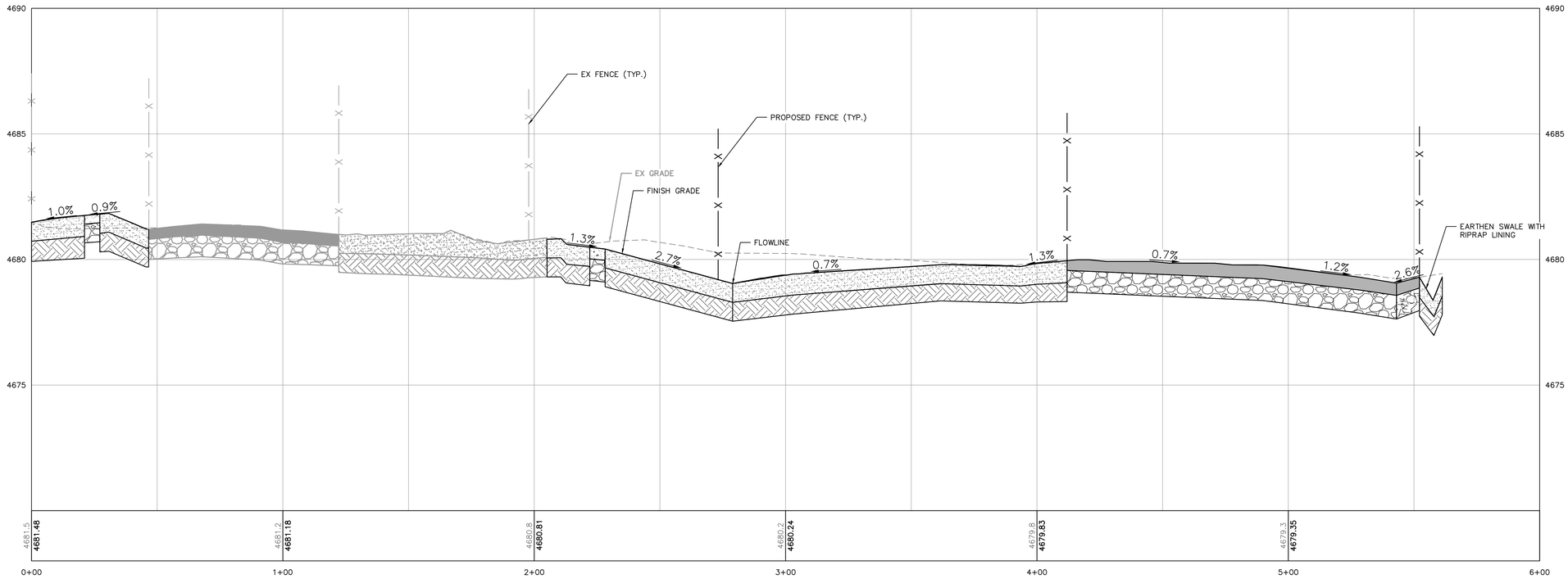
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drawing title
GRADING PLAN

job number
25015

date
OCTOBER 13, 2026

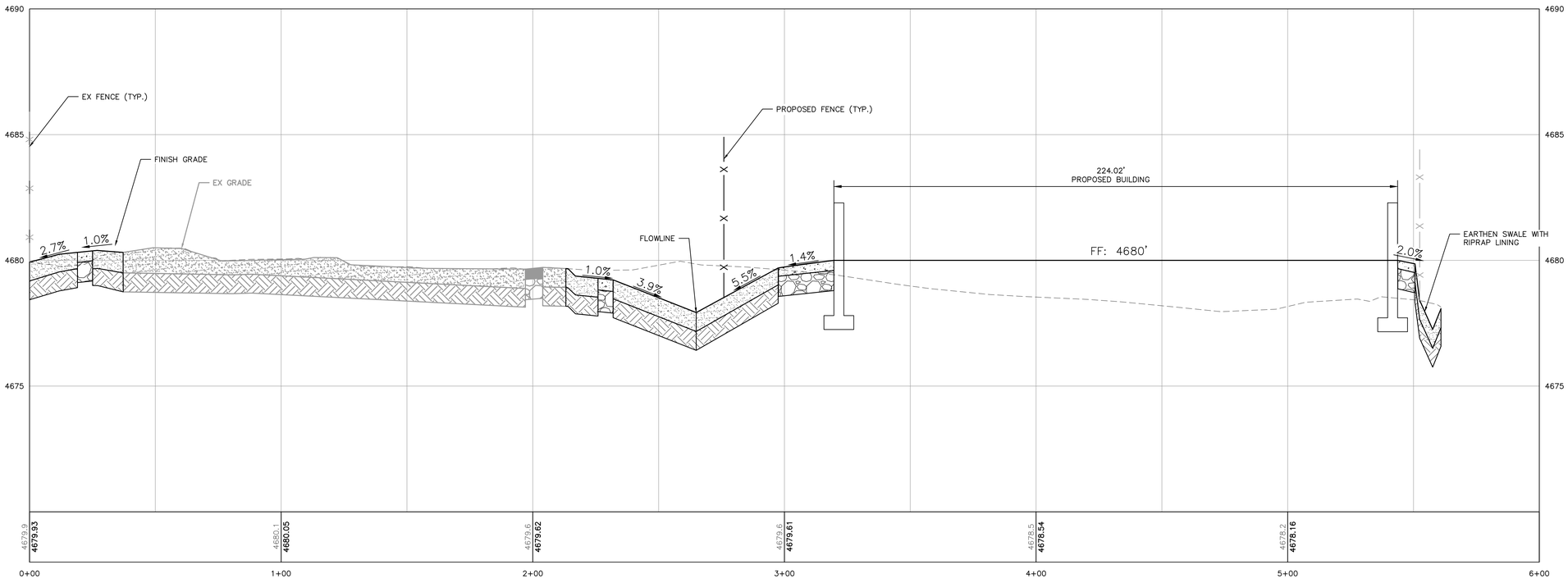
drawing number
C3.02



GRADING SECTION #1

SCALE: 1"=20' H, 1"=2' V

1
C3.03



GRADING SECTION #2

SCALE: 1"=20' H, 1"=2' V

2
C3.03

20' 10' 0 20'
HORIZONTAL SCALE
1" = 20'

2' 1' 0 2'
VERTICAL SCALE
1" = 2'

GENERAL NOTES:

A. SLOPES EXCEEDING 4:1 WILL BE KEYED PER THE GEOTECHNICAL REPORT. FINAL KEY PLACEMENTS AND ELEVATIONS WILL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO EARTHWORK OPERATIONS.

SURFACE LEGEND:

GRAVEL SURFACE PER B/C5.01

ASPHALT CONCRETE PER C/C5.01

RIP RAP PER C5.01

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1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
GRADING SECTIONS 1 & 2

job number
25015

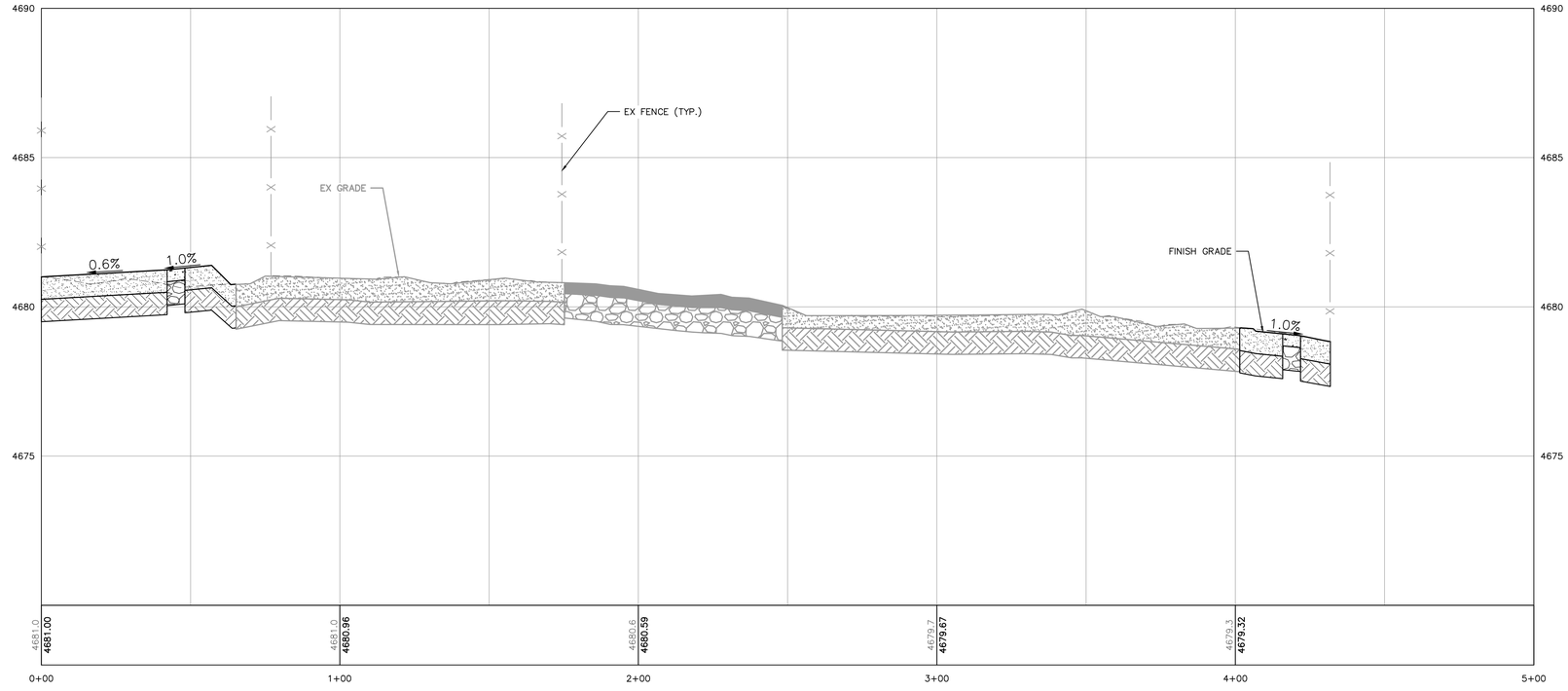
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C3.03

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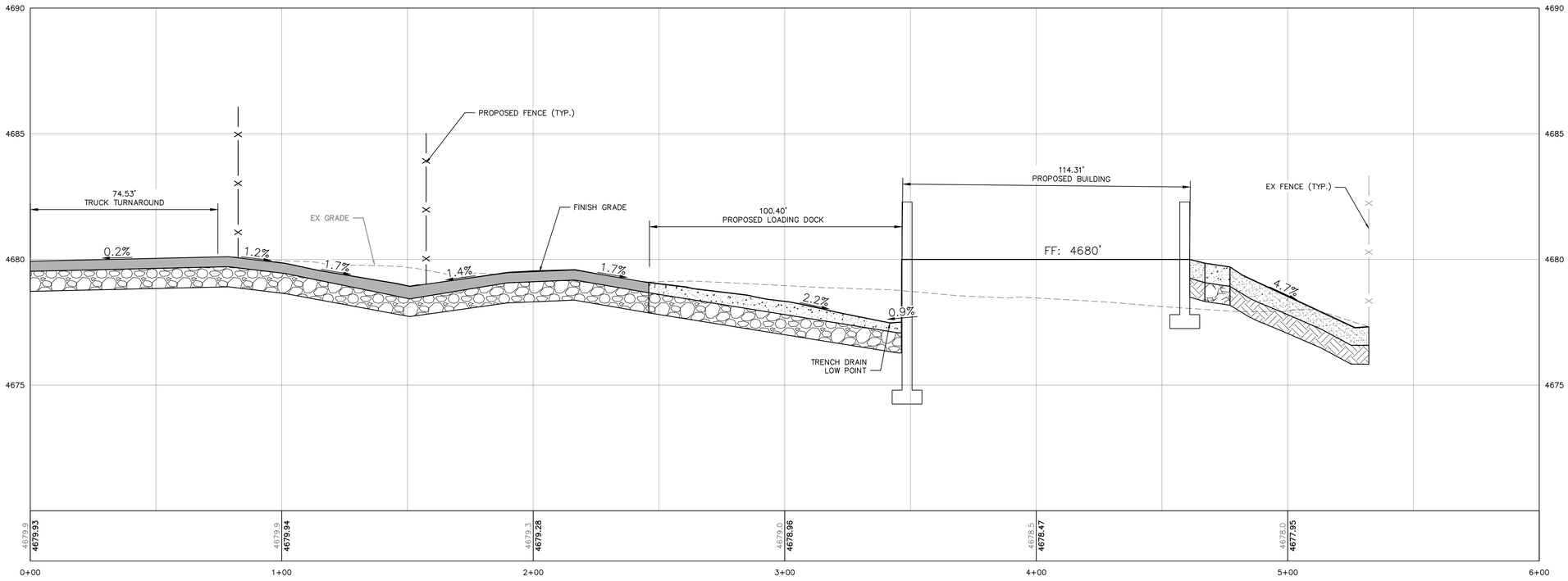
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GRADING SECTION #3

SCALE: 1"=20' H, 1"=2' V

3
C3.04



GRADING SECTION #4

SCALE: 1"=20' H, 1"=2' V

4
C3.04

20' 10' 0 20'
HORIZONTAL SCALE
1" = 20'

2' 1' 0 2'
VERTICAL SCALE
1" = 2'

GENERAL NOTES:

A. SLOPES EXCEEDING 4:1 WILL BE KEYED PER THE GEOTECHNICAL REPORT. FINAL KEY PLACEMENTS AND ELEVATIONS WILL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO EARTHWORK OPERATIONS.

SURFACE LEGEND:

GRAVEL SURFACE PER B/C5.01

ASPHALT CONCRETE PER C/C5.01

RIP RAP PER C5.01

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DESIGN DEVELOPMENT

drawing title
GRADING SECTIONS 3 & 4

job number
25015

date
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drawing number
C3.04

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SEWER ALIGNMENT
"C" SHEET C4.04

UTILITIES PLAN SHEET
"A" SHEET C4.06

SEWER ALIGNMENT
"D" SHEET C4.05

SEWER ALIGNMENT
"B" SHEET C4.03

SEWER ALIGNMENT
"A" SHEET C4.02

CULINARY BUILDING FOOTPRINT

1673 MEDICAL FACILITY

0137 MULTIPURPOSE

0140 HOUSING UNIT 3

0141 HOUSING UNIT 4

SCALE: 1" = 20'
20' 0 20' 40'

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STATE OF NEVADA
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DESIGN DEVELOPMENT

drawing title
OVERALL UTILITY PLAN

job number
25015

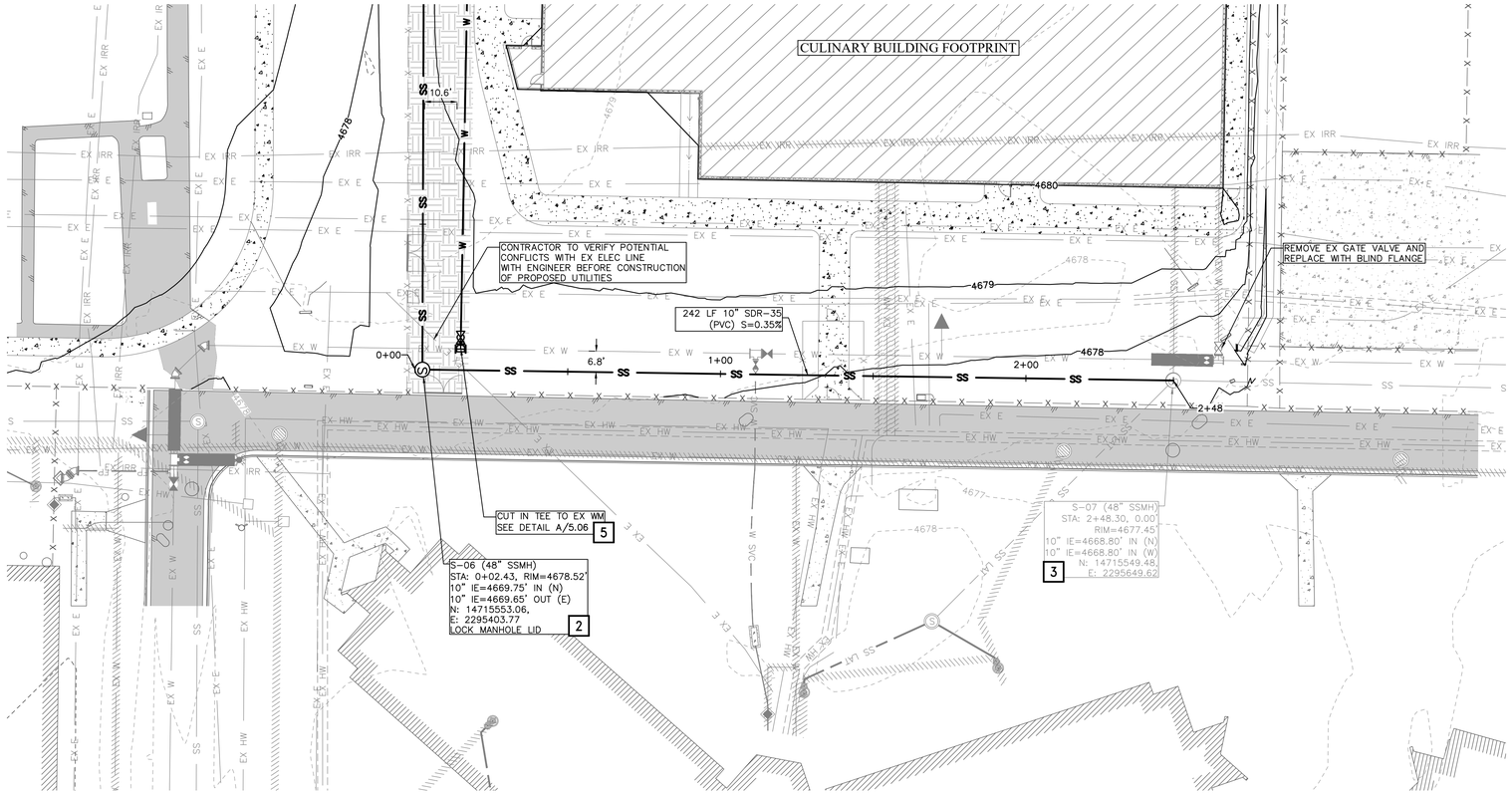
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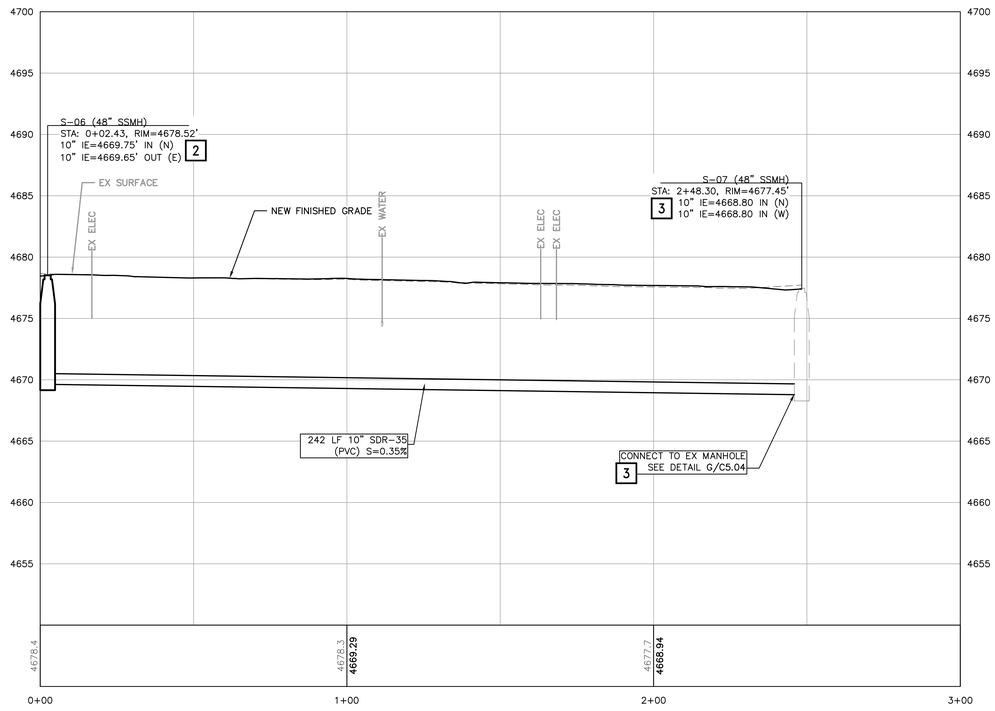
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SEWER ALIGNMENT "A" PLAN



PROFILE

VERT SCALE: 1" = 5'

SCALE: 1" = 20'

20' 0 20' 40'

GENERAL CONSTRUCTION NOTES:

A. EXISTING UTILITIES SHOWN ARE APPROXIMATE USING AVAILABLE INFORMATION. CONTRACTOR SHALL POTHOLE UTILITIES PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND EXISTING CONDITIONS.

B. CONTRACTOR SHALL PROTECT PRIVATE AND PUBLIC UTILITIES FROM DAMAGE WHEN TRENCHING ACROSS OR ADJACENT TO EXISTING UTILITIES.

C. CONSTRUCTION SHALL MAINTAIN MINIMUM HORIZONTAL AND VERTICAL CLEARANCE FROM ACTIVE ADJACENT UTILITIES PER REQUIREMENTS ON SHEET E/C5.02 & F/C5.02.

D. PIPE TRENCH SHALL BE IN ACCORDANCE WITH DETAILS A/C5.03 & B/C5.03 (UNLESS OTHERWISE NOTED).

E. ALL EXISTING IMPROVEMENTS AFFECTED BY CONSTRUCTION ACTIVITIES, INCLUDING SURFACES, FENCING, LANDSCAPING, ETC., SHALL BE RESTORED BY THE CONTRACTOR TO EXISTING CONDITION OR BETTER.

F. SEE DETAIL E/C5.05 FOR INFORMATION REGARDING RESTRAINT REQUIREMENTS FOR PROPOSED PIPE NETWORKS.

G. PIPELINES SLOPES SHALL BE INSTALLED PER DESIGN WITH CONTINUOUS GRADES TO THE EXTENT POSSIBLE. HIGH POINTS SHOULD BE AVOIDED UNLESS INCLUDED IN THE DESIGN.

H. CONTRACTOR SHALL PLACE FENCE POSTS MINIMUM 5' ON EITHER SIDE OF PROPOSED UTILITIES.

I. PROPOSED LANDSCAPING SHALL NOT BE PLACED WITHIN 5' ON EITHER SIDE OF PROPOSED UTILITIES.

UTILITY NOTES:

1. GREASE INTERCEPTOR PER DETAIL A/C5.04.
2. SEWER MANHOLE PER DETAIL B/C5.04.
3. TIE INTO EX SEWER PER DETAIL G/C5.04.
4. BACKFLOW PREVENTER ASSEMBLY PER DETAIL A/C5.05.
5. WATER CUT IN TEE. SEE DETAIL A/C5.06.
6. TRENCH DRAIN PER DETAIL F/C5.04.
7. GAS HOT TAP CONNECTION. SEE MECHANICAL SHEETS
8. SANITARY SEWER CLEANOUT PER DETAIL E/C5.04.

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DESIGN DEVELOPMENT

drawing title
SEWER ALIGNMENT A PLAN & PROFILE

job number
25015

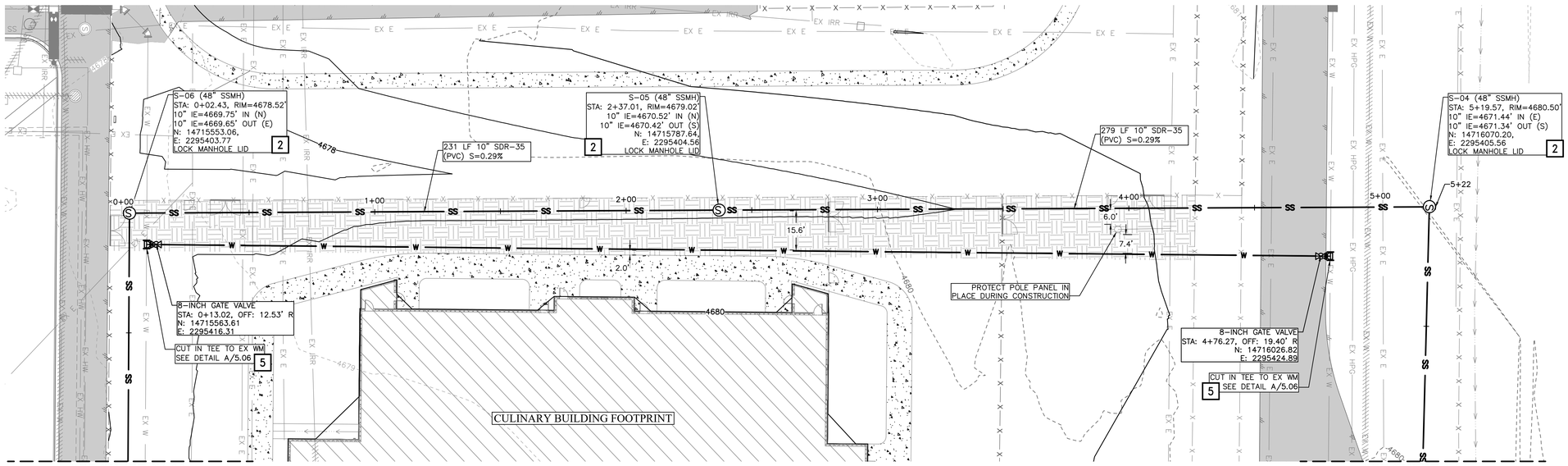
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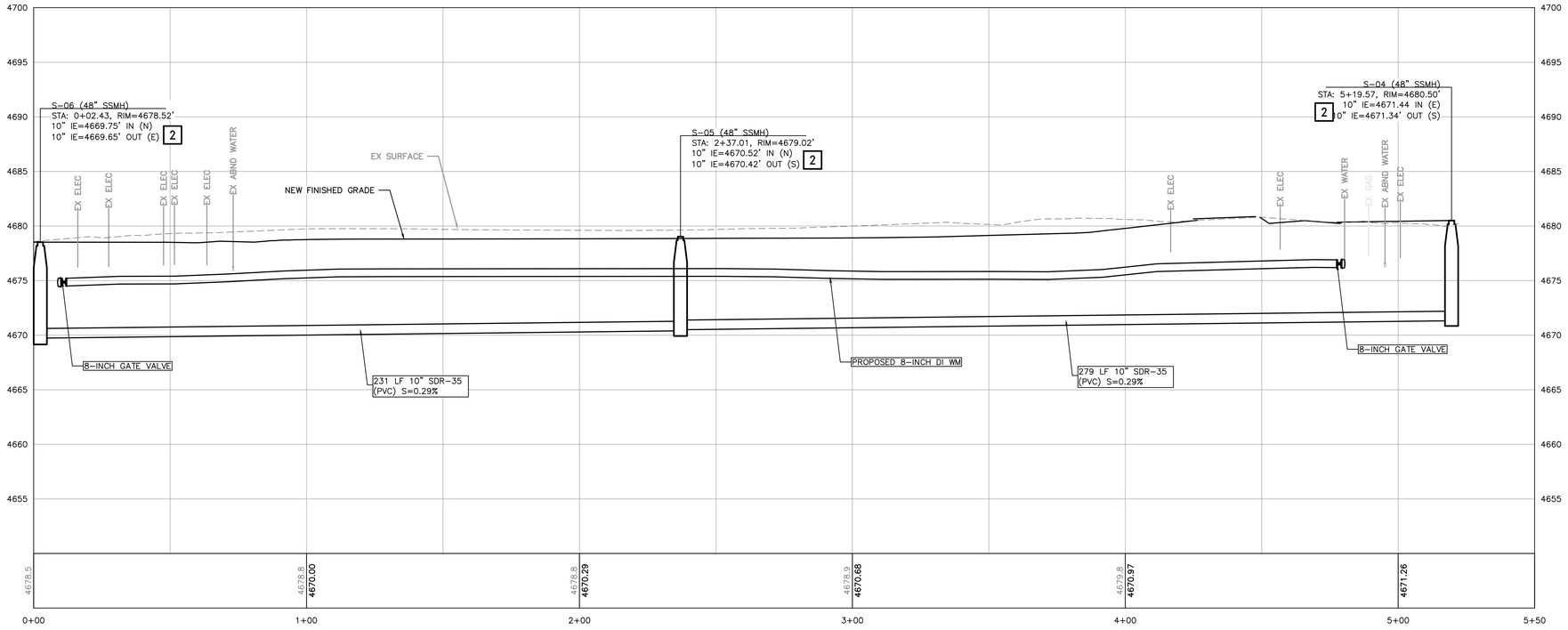
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SEE SHEET C4.02

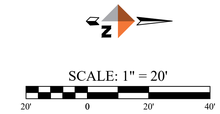
SEWER ALIGNMENT "B" PLAN

SEE SHEET C4.04



PROFILE

VERT SCALE: 1" = 5'



GENERAL CONSTRUCTION NOTES:

A. EXISTING UTILITIES SHOWN ARE APPROXIMATE USING AVAILABLE INFORMATION. CONTRACTOR SHALL POTHOLE UTILITIES PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND EXISTING CONDITIONS.

B. CONTRACTOR SHALL PROTECT PRIVATE AND PUBLIC UTILITIES FROM DAMAGE WHEN TRENCHING ACROSS OR ADJACENT TO EXISTING UTILITIES.

C. CONSTRUCTION SHALL MAINTAIN MINIMUM HORIZONTAL AND VERTICAL CLEARANCE FROM ACTIVE ADJACENT UTILITIES PER REQUIREMENTS ON SHEET E/C5.02 & F/C5.02.

D. PIPE TRENCH SHALL BE IN ACCORDANCE WITH DETAILS A/C5.03 & B/C5.03 (UNLESS OTHERWISE NOTED).

E. ALL EXISTING IMPROVEMENTS AFFECTED BY CONSTRUCTION ACTIVITIES, INCLUDING SURFACES, FENCING, LANDSCAPING, ETC., SHALL BE RESTORED BY THE CONTRACTOR TO EXISTING CONDITION OR BETTER.

F. SEE DETAIL E/C5.05 FOR INFORMATION REGARDING RESTRAINT REQUIREMENTS FOR PROPOSED PIPE NETWORKS.

G. PIPELINES SLOPES SHALL BE INSTALLED PER DESIGN WITH CONTINUOUS GRADES TO THE EXTENT POSSIBLE. HIGH POINTS SHOULD BE AVOIDED UNLESS INCLUDED IN THE DESIGN.

H. CONTRACTOR SHALL PLACE FENCE POSTS MINIMUM 5' ON EITHER SIDE OF PROPOSED UTILITIES.

I. PROPOSED LANDSCAPING SHALL NOT BE PLACED WITHIN 5' ON EITHER SIDE OF PROPOSED UTILITIES.

UTILITY NOTES:

1. GREASE INTERCEPTOR PER DETAIL A/C5.04.
2. SEWER MANHOLE PER DETAIL B/C5.04.
3. TIE INTO EX SEWER PER DETAIL G/C5.04.
4. BACKFLOW PREVENTER ASSEMBLY PER DETAIL A/C5.05.
5. WATER CUT IN TEE. SEE DETAIL A/C5.06.
6. TRENCH DRAIN PER DETAIL F/C5.04.
7. GAS HOT TAP CONNECTION. SEE MECHANICAL SHEETS
8. SANITARY SEWER CLEANOUT PER DETAIL E/C5.04.

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
SEWER ALIGNMENT B PLAN & PROFILE

job number
25015

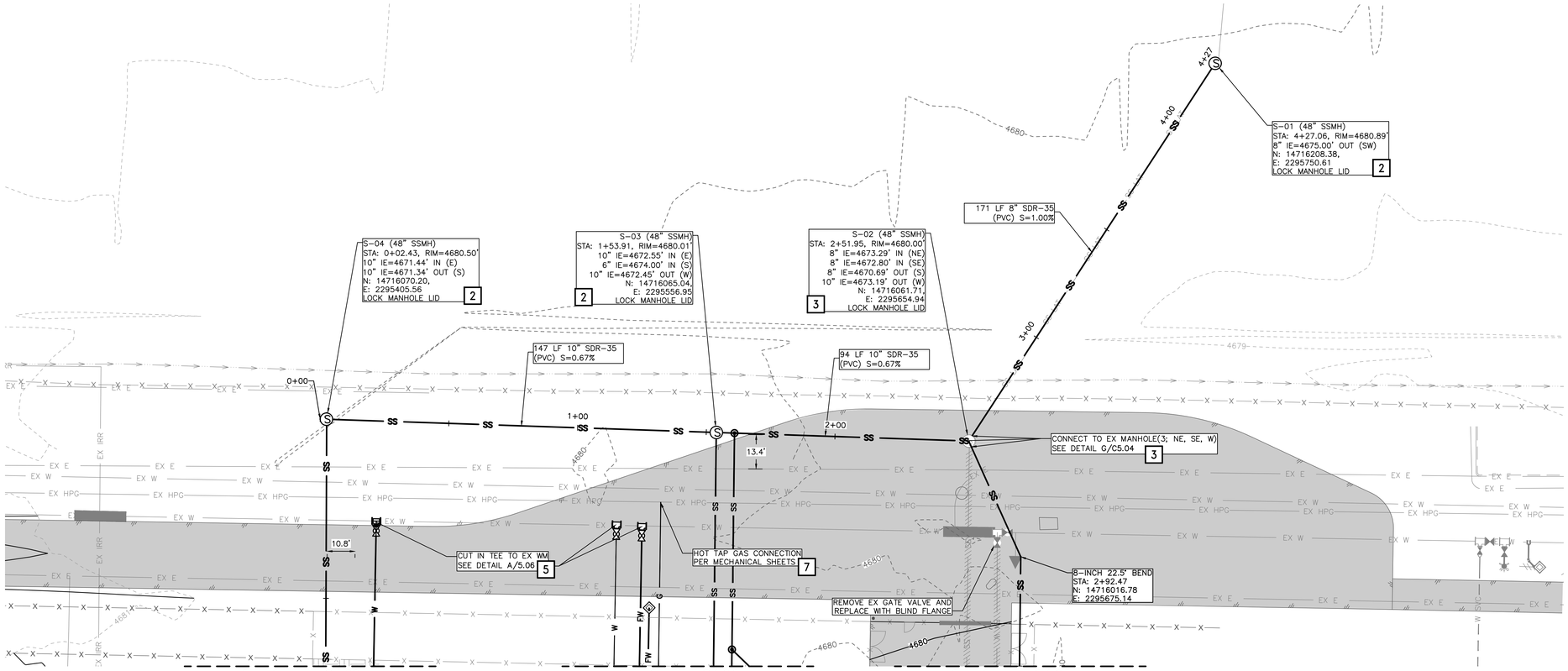
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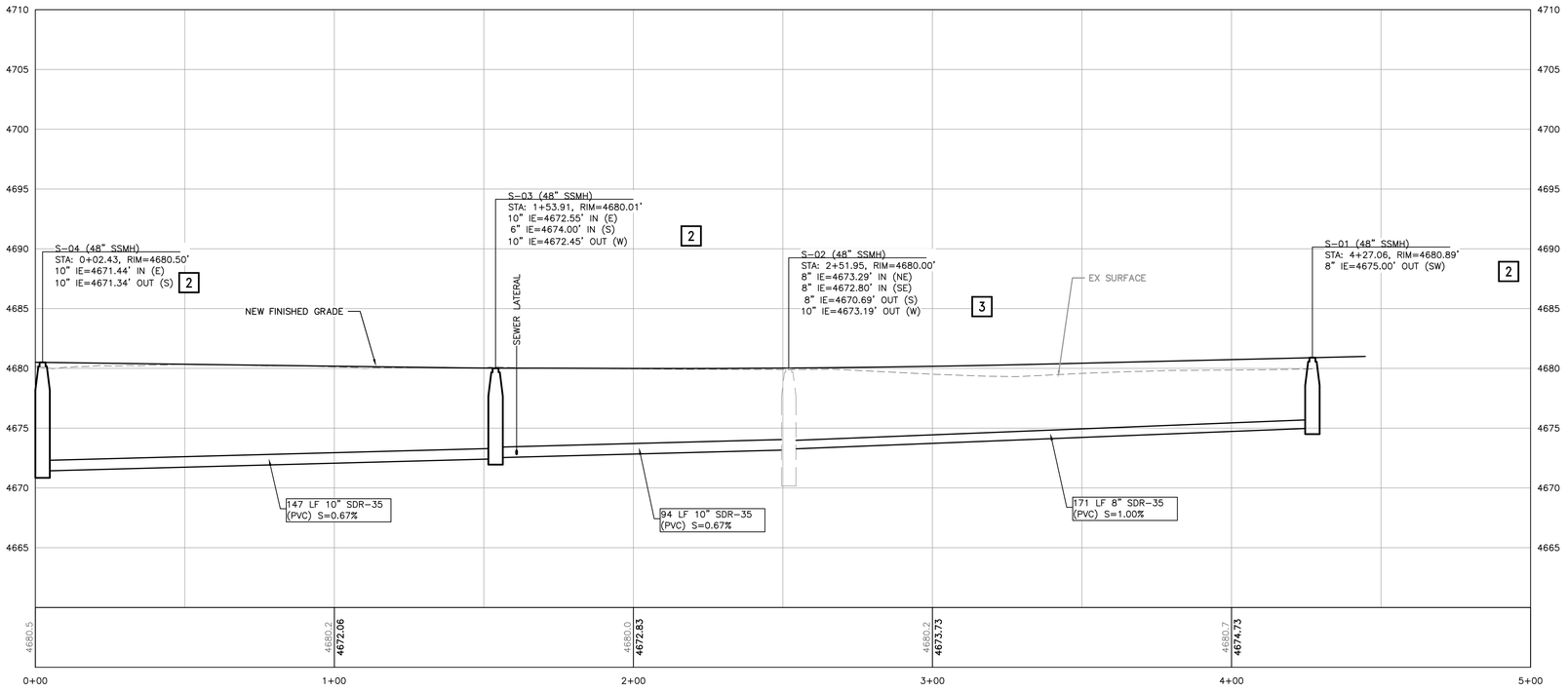
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SEWER ALIGNMENT "C" PLAN



PROFILE

VERT SCALE: 1" = 5'

SCALE: 1" = 20'

20' 0 20' 40'

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6 TRENCH DRAIN PER DETAIL F/C5.04.

7 GAS HOT TAP CONNECTION. SEE MECHANICAL SHEETS

8 SANITARY SEWER CLEANOUT PER DETAIL E/C5.04.

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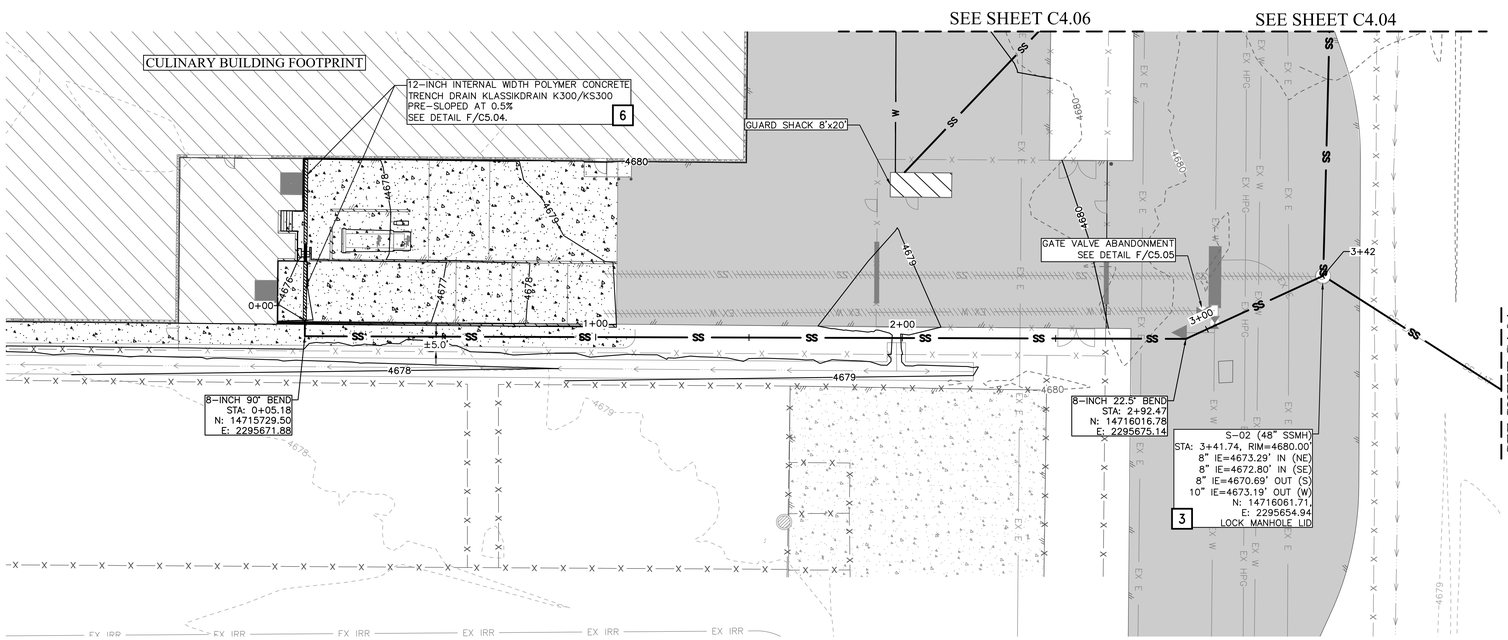
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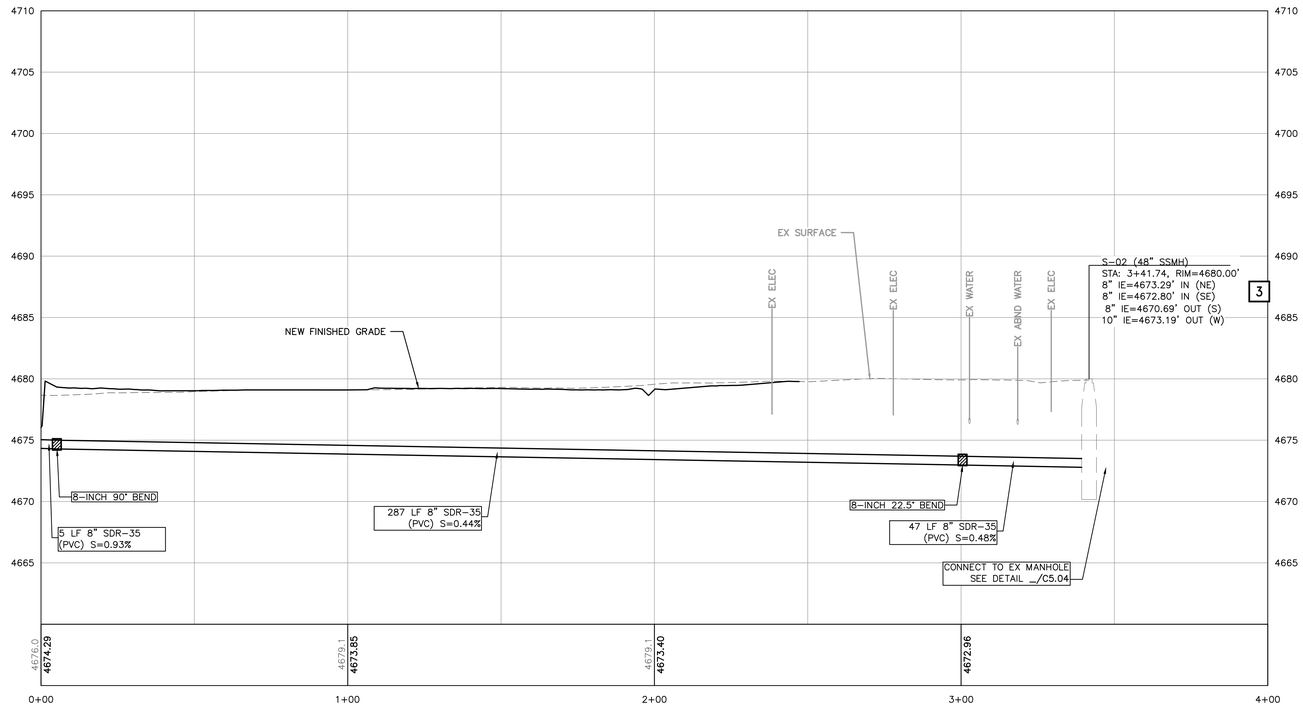
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SEWER ALIGNMENT "D" PLAN



PROFILE

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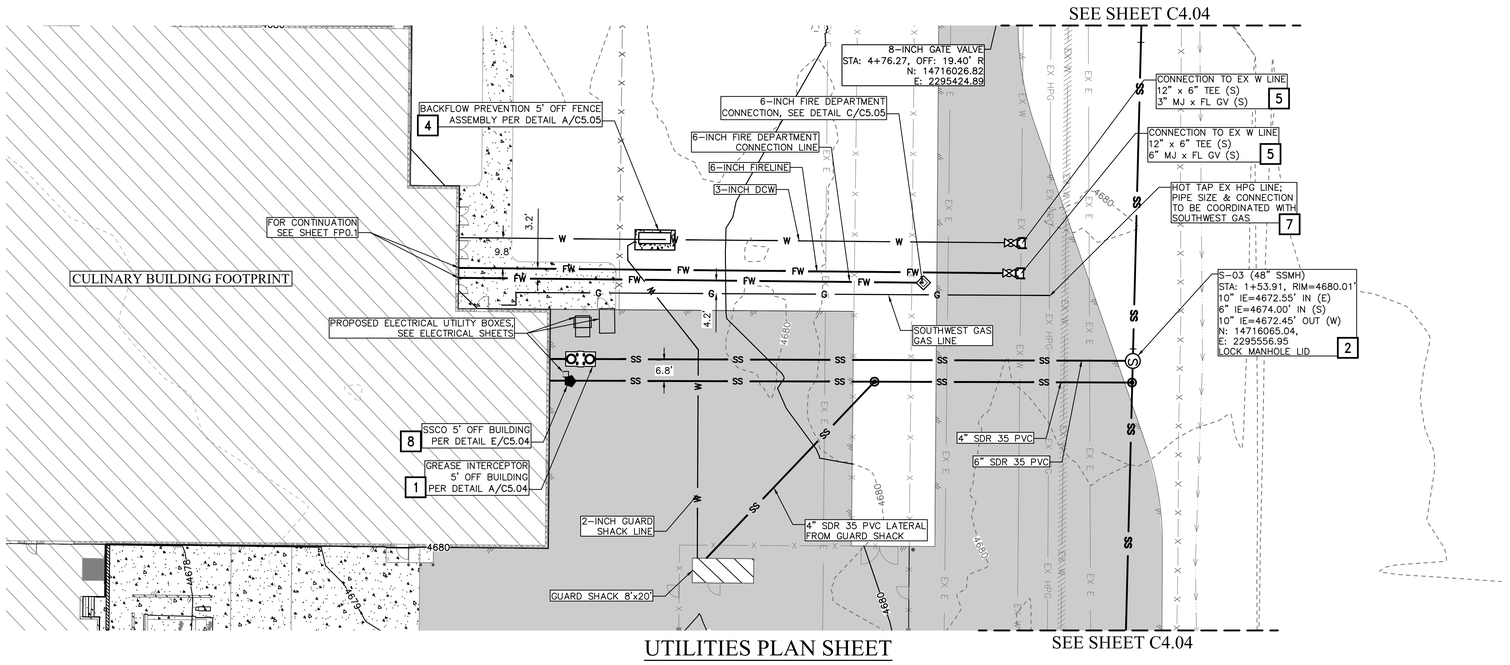
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UTILITIES PLAN SHEET

PROFILE

VERT SCALE: 1" = 5'

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drawing title
UTILITIES PLAN SHEET

job number
25015

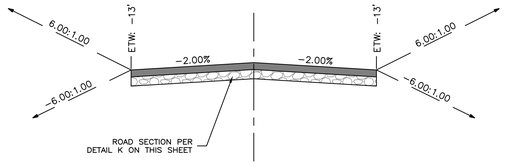
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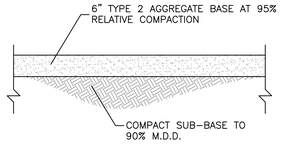
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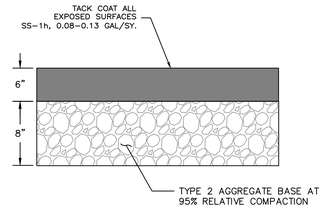
TYPICAL 26' W ROADWAY CROSS SECTIONS (A / C5.01)

SCALE: NTS



GRAVEL SURFACE DETAIL (B / C5.01)

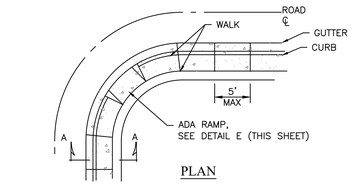
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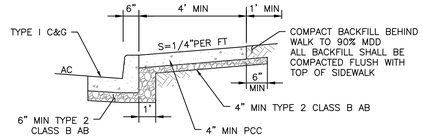
NOTES:
1. SURFACE TOLERANCES FOR AC PAVEMENT REPAIR SHALL CONFORM TO THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (ORANGE BOOK), LATEST EDITION.
2. ASPHALT CONCRETE CONSTRUCTION MATERIALS AND TESTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (ORANGE BOOK), LATEST EDITION.
3. TYPE 2 CLASS B AGGREGATE BASE SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (ORANGE BOOK), LATEST EDITION.
4. ASPHALT CEMENT SHALL BE PG 64-22 UNLESS OTHERWISE APPROVED BY NNCC. WHEN PG 64-22 ASPHALT CEMENT IS NOT USED, NEW ASPHALT CONCRETE SURFACE SHALL BE FOG SEALED.

ASPHALT SECTION DETAIL (C / C5.01)

SCALE: NTS



PLAN



SECTION A-A

NOTES

1. PORTLAND CEMENT CONCRETE SHALL BE FIBER REINFORCED CLASS C CONCRETE UNLESS OTHERWISE NOTED.
2. CONCRETE SHALL NOT BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY THE OWNER.
3. REPLACEMENT SIDEWALK SHALL MATCH EXISTING SIDEWALK WIDTH.
4. REFER TO SSPWC FOR CURING AND TESTING PROCEDURES.
5. INSTALL EXPANSION JOINTS AT BEGINNINGS AND ENDS OF CURVES AND EVERY 200' ON TANGENT.
6. ALL CONCRETE SHALL BE REMOVED TO A NEAT SAW CUT LINE AT THE NEAREST CONTROL JOINT.
7. NEW CONCRETE SHALL HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK.
8. ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND SHALL BE MECHANICALLY COMPACTED TO A MINIMUM OF 95% MDD.
9. CURB AND GUTTER SHALL BE POURED SEPARATELY/NON-MONOLITHICALLY FROM SIDEWALK.
10. SUBGRADE SHALL BE COMPACTED TO 90% MINIMUM RELATIVE COMPACTION. IF EXPANSIVE OR UNSUITABLE MATERIALS ARE ENCOUNTERED AT SUBGRADE ELEVATION, THE SOILS SHALL BE OVER-EXCAVATED.

TYPICAL SIDEWALK DETAIL (D / C5.01)

SCALE: NTS

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DESIGN DEVELOPMENT

drawing title
DETAILS I

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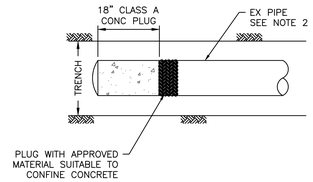
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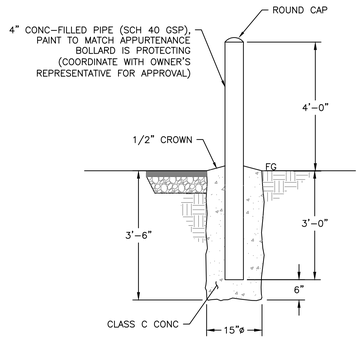
NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AS REQUIRED.
2. WATER AND SEWER LATERALS 4" DIAMETER AND SMALLER SHALL HAVE A SHORT SECTION OF PIPE REMOVED AND PIPE ENDS ENCASED IN CONCRETE.
3. EXISTING MAINS 16" AND LARGER REQUIRE THE ENTIRE LENGTH OF THE PIPE TO BE FILLED BY PRESSURE GROUTING OR BY BLOWN SAND.
4. CONTRACTOR SHALL OBTAIN APPROVAL PRIOR TO CUTTING AND PLUGGING EXISTING UTILITIES.
5. IF NEW UTILITY TRENCH CROSSES EXISTING PIPE TO BE ABANDONED, CONTRACTOR SHALL CAP EXISTING PIPE ON EACH SIDE OF TRENCH.

PIPE ABANDONMENT CAP DETAIL

SCALE: NTS

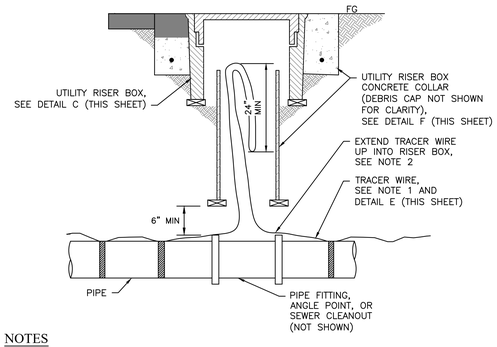
A C5.02



TYPICAL PERMANENT BOLLARD DETAIL

SCALE: NTS

B C5.02



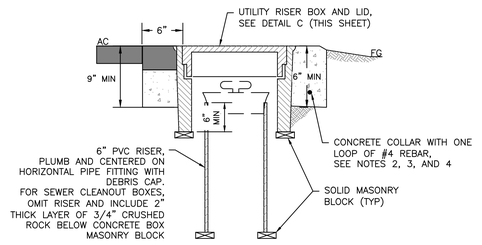
NOTES

1. WIRE SHALL BE CONTINUOUS IN RISER AND SHALL NOT BE SPLICED WITHIN 10 FEET OF RISER.
2. COIL WIRE INSIDE RISER BOX WITH MINIMUM LENGTH TO EXTEND WIRE 24" ABOVE SURFACE GRADE. FOR SANITARY SEWER CLEANOUTS, COIL EXCESS WIRE AROUND CLEANOUT RISER INSIDE CONCRETE BOX.

TYPICAL UTILITY RISER BOX TRACER WIRE DETAIL

SCALE: NTS

C C5.02



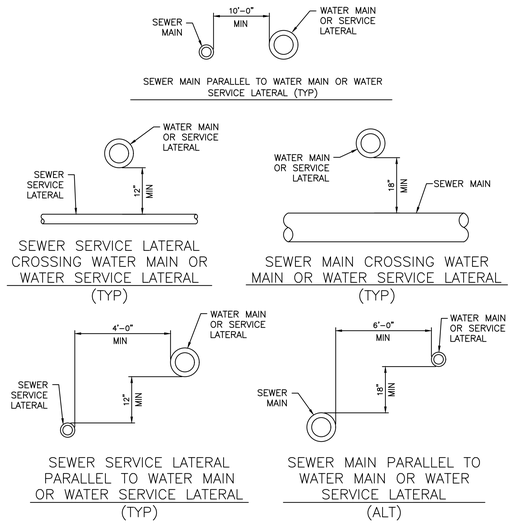
NOTES

1. LIDS SHALL BE SET FLUSH WITH FINISH GRADE UNLESS OTHERWISE NOTED. TOP OF VALVE BOX SHALL BE SET 0.1 FEET ABOVE HIGHEST FINISHED GRADE SURROUNDING ENCLOSURE WITHIN LANDSCAPED AREA.
2. REBAR SHALL ONLY BE USED WHEN THE VALVE BOX IS LOCATED OUTSIDE PAVED AREAS.
3. FOR BOXES LOCATED IN ASPHALT PAVING:
   - 3.1. ALL CUTS IN PAVING SHALL BE STRAIGHT AND EVEN.
   - 3.2. THE CONCRETE COLLAR SHALL BE LEFT 2 1/2 INCHES – 3 INCHES BELOW FINISHED ASPHALT SURFACE. APPLY AN APPROVED TACK COAT AND FILL VOID BETWEEN ADJACENT PAVEMENT AND FRAME WITH TYPE 3 PG 64-22 PAVING. APPLY FOG SEAL TO THE ASPHALT SURFACE.
4. FOR BOXES LOCATED OUTSIDE OF ASPHALT PAVEMENT (UNPAVED AREAS OR AN AREA NOT LOCATED IN ASPHALT PAVEMENT) EXTEND CONCRETE TO FINISH GRADE.

TYPICAL UTILITY RISER BOX CONCRETE COLLAR DETAIL

SCALE: NTS

D C5.02



NOTES:

1. INSTALLATION OF WATER, SEWER AND STORM DRAIN MAINS AND LATERALS SHALL BE IN CONFORMANCE WITH NAC 445A.67155 TO NAC 445A.6718 FOR WATER AND SEWER SEPARATION AND CROSSING REQUIREMENTS.
2. SEWER LINES AND WATER LINES SHALL BE INSTALLED IN SEPARATE TRENCHES IN THE TYPICAL CONFIGURATIONS SHOWN ABOVE. IF COMPLIANCE WITH THE REQUIREMENTS IS NOT PRACTICABLE, THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE CITY ENGINEER FOR ANY OTHER CONFIGURATION.

WATER AND SEWER SEPARATION GUIDELINES

SCALE: NTS

E C5.02

1. "SPECIAL CONSTRUCTION" IS REQUIRED WHENEVER:
   - A. SEWER MAINS RUN PARALLEL TO WATER MAINS OR WATER SERVICE LATERALS WITH BETWEEN 6 FEET AND 10 FEET OF HORIZONTAL SEPARATION AND LESS THAN 18 INCHES VERTICAL SEPARATION BELOW WATER MAINS OR LATERALS.
   - B. SEWER SERVICE LATERALS RUN PARALLEL TO WATER MAINS OR WATER SERVICE LATERALS WITH LESS THAN 4 FEET OF HORIZONTAL SEPARATION AND LESS THAN 12 INCHES VERTICAL SEPARATION BELOW WATER MAINS OR LATERALS.
   - C. SEWER MAINS CROSSING WATER MAINS OR WATER SERVICE LATERALS WITH SEWER ABOVE THE WATER BY ANY DISTANCE OR SEWER BELOW WATER BY LESS THAN 18 INCHES.
   - D. SEWER SERVICE LATERALS CROSSING WATER MAINS OR WATER SERVICE LATERALS WITH SEWER ABOVE WATER BY ANY DISTANCE OR SEWER BELOW WATER BY LESS THAN 12 INCHES.

   * THE TERM "SEWER" IS INCLUSIVE OF STORM SEWER AND SANITARY SEWER FOR THE CONDITIONS LISTED ABOVE.
2. WHEN "SPECIAL CONSTRUCTION" IS REQUIRED, THE FOLLOWING MEASURES ARE TO BE FOLLOWED:
   - A. WATER MAINS: ONE STICK OF WATER MAIN PIPE IS TO BE CENTERED OVER THE CROSSING WITH MECHANICAL RESTRAINTS INSTALLED ON ALL JOINTS WITHIN 10 FEET OF THE CROSSING.
   - B. WATER LATERALS: WATER LATERAL PIPE SHALL NOT CONTAIN SPLICES OR JOINTS WITHIN 10 FEET OF THE CROSSING.
   - C. SANITARY SEWER: SANITARY SEWER MAIN AND LATERAL PIPES ARE TO BE CENTERED OVER THE CROSSING WITH MITIGATION TO ALL JOINTS WITHIN 10 FEET OF THE CROSSING. PIPE JOINTS ARE TO BE MECHANICALLY RESTRAINED, FUSED OR WELDED, OR MEET ASTM D3212. WHERE THE SEWER MAIN IS TO REMAIN AS EXISTING, JOINTS MAY BE CONCRETE ENCASED IN LIEU OF THE OTHER MITIGATION METHODS LISTED.
   - D. STORM SEWER: STORM SEWER PIPE IS TO BE CENTERED OVER THE CROSSING WITH MITIGATION TO ALL JOINTS WITHIN 10 FEET OF THE CROSSING. PIPE JOINTS ARE TO HAVE INTERNAL OR EXTERNAL JOINT SEALANT, BE WATER TIGHT, MEET ASTM D3212, OR BE MECHANICALLY RESTRAINED. WHERE THE STORM DRAIN PIPE IS TO REMAIN AS EXISTING, JOINTS MAY BE CONCRETE ENCASED IN LIEU OF OTHER MITIGATION METHODS LISTED.
   - E. WHEN WATER QUALITY PIPE CONFORMING TO AWWA REQUIREMENTS IS USED FOR BOTH INTERSECTING PIPES, NO ADDITIONAL MITIGATION IS REQUIRED FOR EITHER PIPE.
3. 6 INCHES MINIMUM VERTICAL SEPARATION IS TO BE MAINTAINED IN ALL CASES.
4. 6 FEET HORIZONTAL SEPARATION IS TO BE MAINTAINED IN ALL CASES FOR SEWER MAINS IN PARALLEL WITH WATER MAINS. 4 FEET HORIZONTAL SEPARATION IS TO BE MAINTAINED IN ALL CASES FOR SEWER LATERALS IN PARALLEL WITH WATER MAINS.
5. REFERENCE NDEP GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION EDITION 1.1, DATED NOVEMBER 2018 FOR ADDITIONAL GUIDANCE ON MITIGATION REQUIREMENTS.

WATER AND SEWER SEPARATION NOTES

SCALE: NTS

F C5.02

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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
DETAILS II

job number
25015

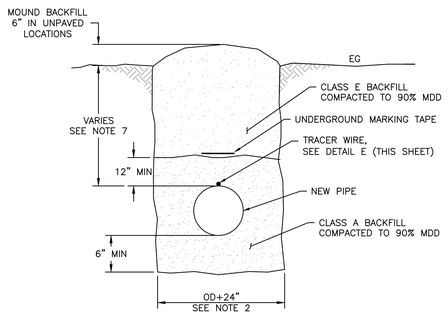
date
OCTOBER 13, 2026

drawing number
C5.02

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DESIGN DEVELOPMENT

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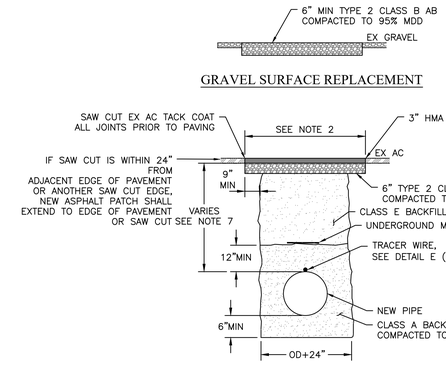


NOTES

1. DENSIFIED BACKFILL AND TUNNELING SHALL BE BY SPECIAL PROVISION ONLY.
2. FOR THE PURPOSE OF PAYMENT; EXCAVATION AND BACKFILL QUANTITIES ARE BASED ON THESE STANDARD DRAWINGS, AND NO ADDITIONAL COMPENSATION WILL BE MADE. SHORING OR SLOPED CUT SLOPES MAY BE NECESSARY, BUT THERE WILL BE NO ADDITIONAL PAYMENT.
3. COMPACTION VALUES CAN BE MODIFIED BY ENGINEER.
4. ALL EXCAVATIONS SHALL CONFORM TO THE LATEST OSHA REQUIREMENTS.
5. REFER TO SSPWC FOR MATERIAL CLASSIFICATION REQUIREMENTS.
6. BACKFILL AND COMPACTION SHALL COMPLY WITH THE PROJECT SPECIFICATIONS. COMPACTION SHALL COMPLY WITH ASTM D1557.
7. MINIMUM COVER VARIES BY UTILITY:
   - WATER: 42" MIN
   - SEWER: 36" MIN
   - STORM DRAIN: 24" MIN

TYPICAL TRENCH DETAIL (UNIMPROVED AREAS)

SCALE: NTS — A / C5.03



GRAVEL SURFACE REPLACEMENT

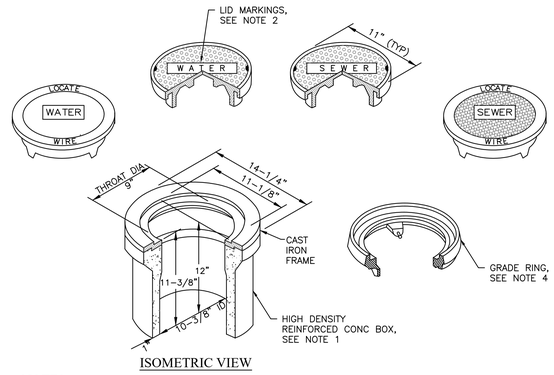
ASPHALT SURFACE REPLACEMENT

NOTES

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7. MINIMUM COVER VARIES BY UTILITY:
   - WATER: 42" MIN
   - SEWER: 36" MIN
   - STORM DRAIN: 24" MIN

TYPICAL TRENCH DETAIL (TRAVELWAYS)

SCALE: NTS — B / C5.03



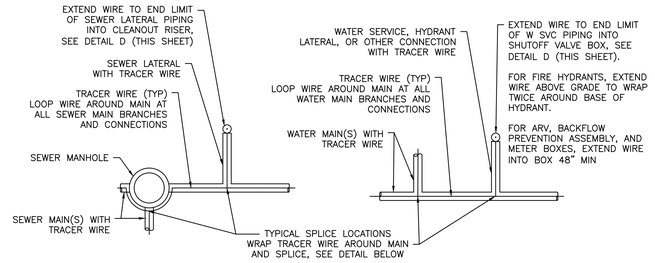
ISOMETRIC VIEW

NOTES

1. VALVE BOX AND LID SHALL BE H20 TRAFFIC RATED WITH A MINIMUM INSIDE DIAMETER OF 10 INCHES.
2. CAST IRON LOCKING BOLT DOWN LID SHALL BE MARKED "WATER" FOR WATER APPLICATIONS AND "SEWER" FOR SEWER APPLICATIONS. TRACER WIRE BOXES SHALL ALSO INCLUDE "LOCATE WIRE".
3. VALVE BOX AND RISER PIPE SHALL BE SET OR ADJUSTED TO GRADE PER DETAIL F (THIS SHEET). FOR OVERLAY ADJUSTMENTS, RISER WILL NOT REQUIRE REPLACEMENT OR EXTENSION IF IT EXTENDS A MINIMUM OF 2 INCHES INTO ADJUSTED VALVE BOX.
4. GRADE RING IS NOT ALLOWED FOR NEW VALVE BOX INSTALLATIONS. CAST IRON GRADE RING MAY BE USED FOR OVERLAY ADJUSTMENTS WHEN OVERLAY DEPTH EQUALS THE GRADE RING DEPTH. NO MORE THAN ONE GRADE RING ALLOWED PER BOX.

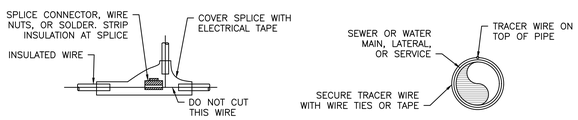
TYPICAL UTILITY RISER BOX DETAIL

SCALE: NTS — C / C5.03



SEWER TRACER WIRE SCHEMATIC PLAN

WATER TRACER WIRE SCHEMATIC PLAN



SPLICE DETAIL

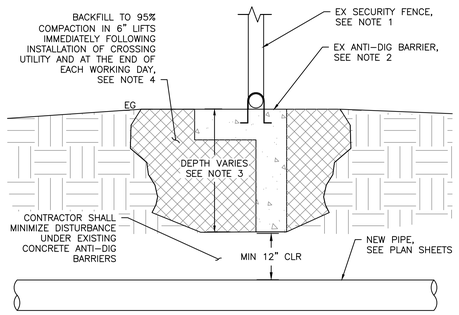
TRACER WIRE ATTACHMENT FOR WATER OR SEWER PIPING

NOTES

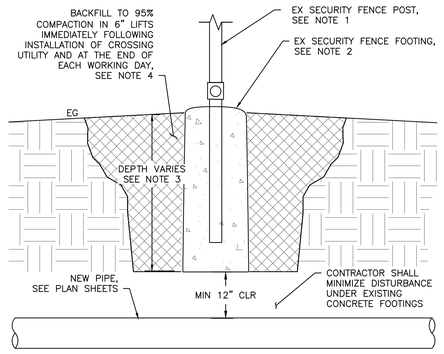
1. CONTRACTOR SHALL PERFORM CONTINUITY TEST FOR TRACER WIRE DURING REQUIRED UTILITY TESTING ACTIVITIES. OWNER'S REPRESENTATIVE SHALL OBSERVE AND APPROVE CONTINUITY TESTING PRIOR TO ASPHALT PAVING.

TYPICAL TRACER WIRE DETAIL

SCALE: NTS — D / C5.03



CROSSING AT ANTI-DIG BARRIER



CROSSING AT CONCRETE FOOTING

NOTES

1. CONTRACTOR MAY REMOVE AND SALVAGE EXISTING FABRIC, EXTENSION ARMS AND HARDWARE. SALVAGED MATERIALS SHALL BE STORED AND HANDLED TO PREVENT DAMAGE. MATERIALS DETERMINED BY THE OWNER'S REPRESENTATIVE TO BE DAMAGED SHALL BE REJECTED. CONTRACTOR SHALL REPLACE REJECTED MATERIALS AND RECONSTRUCT THE FENCE TO MATCH EXISTING SECURITY FENCING, SEE DETAIL A/D2.01 FOR REFERENCE.
2. CONTRACTOR SHALL PROTECT EXISTING CONCRETE BARRIERS AND FOOTINGS IN PLACE. CONTRACTOR SHALL REPLACE FOOTINGS DAMAGED DURING CONSTRUCTION TO MATCH EXISTING CONDITION AT NO ADDITIONAL COST TO THE OWNER.
3. CONTRACTOR SHALL FIELD VERIFY CONCRETE FOOTING AND BARRIER DEPTHS AT UTILITY CROSSING LOCATIONS SUFFICIENTLY IN ADVANCE OF CONSTRUCTION AND NOTIFY ENGINEER OF CONFLICTS WITHIN 24 HOURS TO ALLOW FOR A MINIMUM OF 3 WORKING DAYS FOR ENGINEER TO PREPARE A RE-DESIGN PLAN SHOULD A CONFLICT BE ENCOUNTERED.
4. PERIMETER DUAL SECURITY FENCE CROSSINGS: CONTRACTOR SHALL PROVIDE TEMPORARY INSTALLATION OF COILED BARBED TAPE FOR TRENCH CROSSINGS AT SECURITY FENCES. OPEN TRENCH SHALL BE LIMITED TO ONE FENCE AT A TIME, SEE DETAIL B/D2.01.
   4.1. TRENCHLESS PIPE INSTALLATION METHODS MAY BE USED AT FENCE CROSSING LOCATIONS. CONTRACTOR SHALL SUBMIT PLAN FOR APPROVAL.

TYPICAL FENCE/GATE CROSSING DETAIL

SCALE: NTS — E / C5.03

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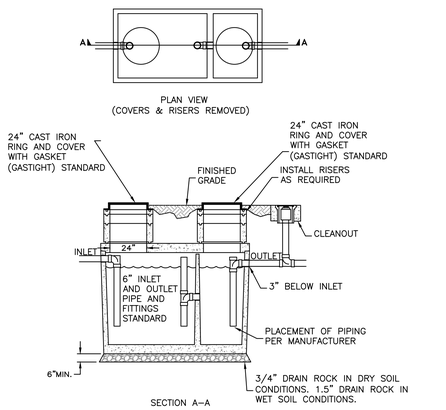
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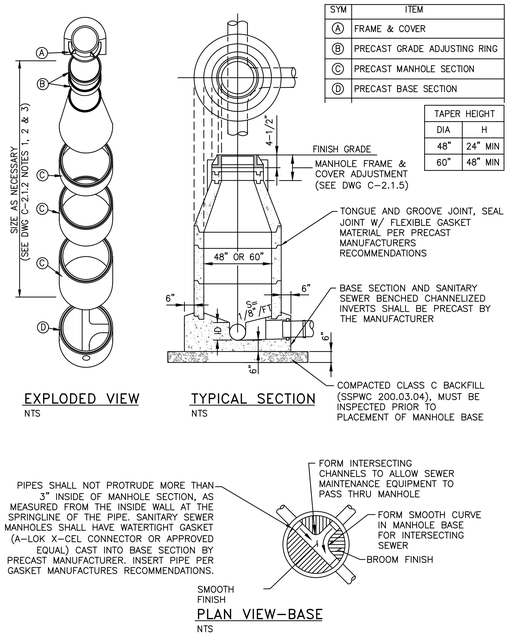
NOTES:

1. INSTALL JENSEN PRECAST GREASE INTERCEPTORS (MODEL JP–750–EE–G) WITH H–20 TRAFFIC FROM 1' TO 6' SOIL COVER, OR APPROVED EQUAL.
2. REFER TO SEWER UTILITY REQUIREMENTS FOR MINIMUM SIZING.
3. ALL FITTINGS SHALL BE SOLVENT AND WELDED.
4. AVOID PLACING IN PARKING SPACES AND LANDSCAPE AREAS. IF NECESSARY, PROVIDE DESIGN BY ENGINEER. MOUND IN PARKING/SIDEWALK AREAS TO CHANNEL DRAINAGE AWAY FROM INTERCEPTOR. LIDS SHALL BE 1" ABOVE FINISHED GRADE IN ASPHALT CONCRETE/CONCRETE AREAS AND 3" ABOVE FINISHED GRADEG IN LANDSCAPE AREAS.
5. DUMPSTER DRAINS SHALL BE ROUTED THROUGH GREASE INTERCEPTORS.
6. CONCRETE COLLAR AROUND LIDS TO INTERCEPTOR.

GREASE INTERCEPTOR

SCALE: NTS

A C5.04



SYM	ITEM
A	FRAME & COVER
B	PRECAST GRADE ADJUSTING RING
C	PRECAST MANHOLE SECTION
D	PRECAST BASE SECTION

TAPER HEIGHT	
DIA	H
48"	24" MIN
60"	48" MIN

MANHOLE TYPE I

SCALE: NTS

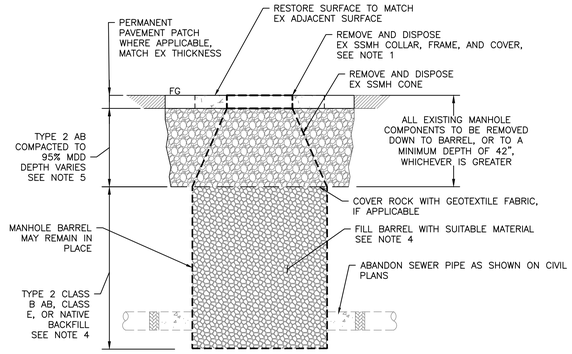
B C5.04

1. MANHOLE BASE(S) SHALL BE PRECAST UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER OR THEIR DESIGNEE. NO FIELD MODIFICATIONS TO PRECAST BASES WILL BE ALLOWED. TROUGHS AND BENCHES TO BE CAST IN BASE(S) AT PRECAST FACTORY. BASE CONFIGURATION TO BE INSTALLED AS SHOWN ON THE APPROVED PLANS. NO PLUGGING OR FIELD MODIFYING ALLOWED.
2. PRECAST MANHOLE COMPONENTS SHALL CONFORM TO ASTM C478.
3. ARRANGE MANHOLE SECTION LENGTHS TO FIT DEPTH. ALL SHIMS TO BE REMOVED AND VOIDS GROUTED.
4. PIPES SHALL NOT PROTRUDE MORE THAN 3 INCHES INSIDE MANHOLE SECTION, AS MEASURED FROM THE INSIDE WALL AT THE SPRINGLINE OF THE PIPE.
5. MANHOLE MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 204 OF THE SSPWC.
6. PRECAST MANHOLE SECTIONS, OTHER THAN GRADE RINGS, SHALL BE JOINED WITH FLEXIBLE PLASTIC GASKET MATERIAL SUCH AS "RAM–NEK" OR APPROVED EQUAL AS PER MANUFACTURER'S RECOMMENDATIONS.
7. EXCAVATION AND BACKFILL SHALL BE AS SPECIFIED IN SECTION 305 OF THE SSPWC.
8. NO SEWER LINE PIPE WITH A DIAMETER OF LESS THAN 8 INCHES SHALL BE CONNECTED TO A MANHOLE WITHOUT THE APPROVAL OF THE CITY ENGINEER OR THEIR DESIGNEE.
9. MATCH PIPE INVERTS TO MANHOLE INVERTS WHERE PIPES CONNECT TO MANHOLE BASE.
10. ALL MANHOLES SHALL BE SEALED WATERTIGHT. COVERS SHALL HAVE NO "THRU" HOLES. CLOSED PICK HOLES ONLY: D & L FOUNDRY A–1024 OR APPROVED EQUAL.
11. COAT OUTSIDE OF SEWER MANHOLE WITH FLEXIBLE RUBBERIZED COATING WHEN GROUNDWATER IS ENCOUNTERED.
12. PRIOR TO BACKFILLING, ALL MANHOLES SHALL BE VACUUM TESTED PER THE REQUIREMENTS OF ASTM C1244.
13. MANHOLE VACUUM TESTING SHALL REQUIRE THAT A VACUUM OF 10 INCHES OF MERCURY SHALL BE DRAWN AND THE VACUUM PUMP SHUT OFF. WITH THE VALVES CLOSED, THE TIME SHALL BE MEASURED FOR THE VACUUM TO DROP TO 9 INCHES. THE MANHOLE SHALL PASS IF THE TIME IS GREATER THAN 60 SECONDS FOR 48 INCH DIAMETER, 75 SECONDS FOR 60 INCH DIAMETER AND 90 SECONDS FOR 72 INCH DIAMETER MANHOLES UP TO 22 FEET DEEP. IF MANHOLE DEPTH IS GREATER THAN 22 FEET, THE MANHOLE SHALL PASS IF THE TIME IS EQUAL TO OR GREATER THAN THE MINIMUM TEST TIME AS SPECIFIED IN ASTM C1244.
14. NO STEPS, LADDERS OR OTHER CLIMBING DEVICES SHALL BE INSTALLED IN MANHOLES.
15. MANHOLES LOCATED OUTSIDE PAVED AREAS SHALL REQUIRE A 12 FOOT MINIMUM WIDTH ALL–WEATHER ACCESS ROADWAY CONSISTING OF 6 INCH TYPE 2, CLASS B AGGREGATE BASE (CONFORMING TO THE SSPWC SECTION 200.01.03) DENSIFIED TO 95% RELATIVE COMPACTION AND SEWER MANHOLE MARKERS SHALL BE INSTALLED. SEWER MANHOLE MARKERS SHALL BE GREEN CARSONITE UTILITY MARKER (CRM306607), 66 INCHES WITH MANHOLE DECAL (7339CSM811) OR APPROVED EQUAL. PLACE MARKERS ON EASEMENT LINE NEAREST TO MANHOLE OR AS DIRECTED BY THE CITY ENGINEER OR THEIR DESIGNEE.
16. WHEN PIPE CONNECTIONS TO EXISTING MANHOLES ARE ALLOWED, THEY SHALL BE MADE BY CORE DRILLING THE MANHOLE AND CONNECTING THE PIPE PENETRATION WITH A KOR–N–SEAL I & II WEDGE TYPE PIPE–TO–MANHOLE CONNECTOR, A LINK–SEAL MODULAR SEAL, OR APPROVED EQUAL.

SEWER MANHOLE NOTES

SCALE: NTS

C C5.04



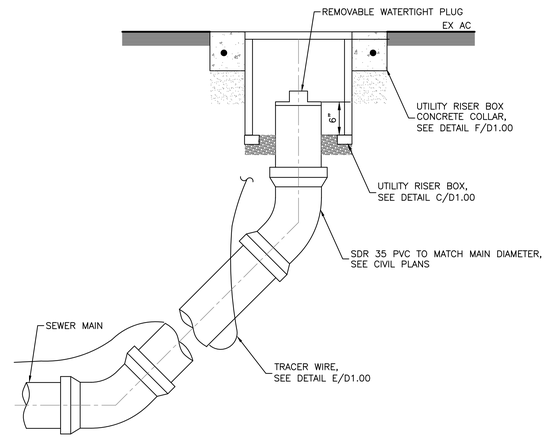
NOTES

1. CONFIGURATION OF STRUCTURE VARIES. FOR EXISTING VAULTS, CONTRACTOR SHALL REMOVE AND DISPOSE TOP OF VAULT AND COVER, REMOVE STRUCTURE TO 42" BELOW GRADE (MINIMUM), AND BACK FILL AS SHOWN.
2. CONTRACTOR SHALL REMOVE AND DISPOSE OF INTERIOR CONTENTS, INCLUDING, BUT NOT LIMITED TO, INSTRUMENTATION, EQUIPMENT, AND PIPING.
3. IF ELECTRICAL UTILITIES SUPPLY POWER TO STRUCTURE EQUIPMENT TO BE ABANDONED, CONTRACTOR SHALL DISCONNECT POWER AND REMOVE AND DISPOSE OF ELECTRICAL APPURTENANCES ON SURFACE ADJACENT TO STRUCTURE AND BELOW GRADE TO A MINIMUM DEPTH OF 42".
4. BACKFILL EXCAVATED AREAS WITH CLASS E, NATIVE, OR TYPE 2 AGGREGATE BASE COMPACTED TO 90% MAXIMUM DRY DENSITY. FILL PLACEMENT AND MATERIAL IN NON–STRUCTURAL AREAS OR AREAS NOT RECEIVING SITE IMPROVEMENTS SHALL BE COMPACTED TO 85% MAXIMUM DRY DENSITY AND MEET THE REQUIREMENTS OF PROJECT SPECIFICATIONS.
5. IF EXCAVATION IS IN ASPHALT, SEE TRENCH PATCH DETAIL AND PROJECT SPECIFICATIONS FOR RESTORATION REQUIREMENTS. RESTORE SURFACE TO MATCH EXISTING ADJACENT SURFACE.

SANITARY SEWER STRUCTURE ABANDONMENT DETAIL

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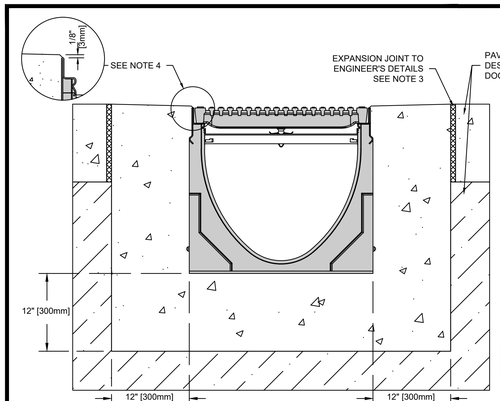
D C5.04



SANITARY SEWER MAIN CLEANOUT DETAIL

SCALE: NTS

E C5.04



NOTES:
1. ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. ENGINEERING ADVICE MAY BE REQUIRED.
2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.
4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE.
5. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.
6. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SPECIFICATION CLAUSE

K300 KLASSIKDRAIN - LOAD CLASS E

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE K300 CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AS MANUFACTURED BY ACO, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	13,000 PSI
FLEXURAL STRENGTH:	3,200 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF	YES
DILUTE ACID AND ALKALI RESISTANT	YES
B117 SALT SPRAY TEST COMPLIANT	YES

THE SYSTEM SHALL BE 12" (300mm) NOMINAL INTERNAL WIDTH WITH A 14.2" (390mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 'QUICKLOK' BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

K3-E-ECP
DATE:12/18/25

K300 - KLASSIKDRAIN - LOAD CLASS: E
Exposed Concrete Pavement
INSTALLATION DRAWING - ACO DRAIN

ACO, Inc.

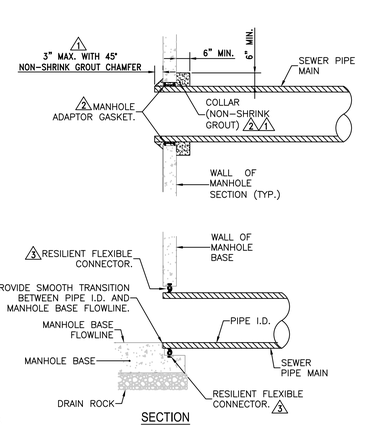
825 W. Beechcraft St Casa Grande, AZ 85122 Tel: 520-421-9988 Fax: 520-421-9899	9470 Pinecone Dr. Mentor, OH 44060 Tel: 440-639-7230 Fax: 440-639-7235	481 Munn Rd. Suite #225 Fort Mill, SC 29715 Tel: 440-639-7230 Fax: 803-802-1063

Arizona Tel: 888-490-9552 e-mail: sales@acousa.com Ohio Tel: 440-639-7230 www.acoswm.com South Carolina Tel: 440-639-7230

TRENCH DRAIN

SCALE: NTS

F C5.04



NOTES:

1. NON–SHRINK GROUT SHALL HAVE THE FOLLOWING CHARACTERISTICS: 3000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD AND SLUMP AT 1 TO 4 INCHES. ALL MATERIAL SHALL CONFORM TO STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC) SECTION 202.
2. SANITARY SEWER PIPE CONNECTION TO MANHOLE SECTIONS (DROP MANHOLES) REQUIRE AN AGENCY–APPROVED FORM OF SEAL OR WATER STOP TO PROVIDE A WATERTIGHT CONNECTION. UTILIZE A ROMAC STYLE "LCT" MANHOLE ADAPTOR GASKET OR APPROVED EQUAL IN CONJUNCTION WITH NON–SHRINK GROUT.
3. SANITARY SEWER PIPE CONNECTION TO MANHOLE BASE SHALL REQUIRE A RESILIENT FLEXIBLE CONNECTOR INSTALLED.
4. ALL PIPE OPENINGS TO NEW MANHOLES MUST BE EITHER CAST–IN–PLACE OR PRE–FORMED AND PIPE OPENINGS TO EXISTING MANHOLES MUST BE CORE DRILLED.

SANITARY SEWER CONNECTION TO EX MANHOLE

SCALE: NTS

G C5.04

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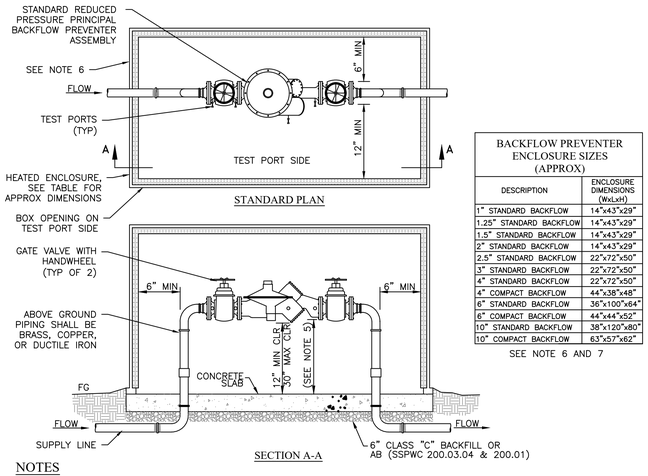
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DESIGN DEVELOPMENT

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BACKFLOW PREVENTER ENCLOSURE SIZES (APPROX)	
DESCRIPTION	ENCLOSURE DIMENSIONS (WxLxH)
1" STANDARD BACKFLOW	14"x43"x29"
1.25" STANDARD BACKFLOW	14"x43"x29"
1.5" STANDARD BACKFLOW	14"x43"x29"
2" STANDARD BACKFLOW	14"x43"x29"
2.5" STANDARD BACKFLOW	22"x72"x50"
3" STANDARD BACKFLOW	22"x72"x50"
4" STANDARD BACKFLOW	22"x72"x50"
4" COMPACT BACKFLOW	44"x38"x48"
6" STANDARD BACKFLOW	36"x100"x64"
6" COMPACT BACKFLOW	44"x44"x52"
10" STANDARD BACKFLOW	38"x120"x80"
10" COMPACT BACKFLOW	63"x57"x62"

SEE NOTE 6 AND 7

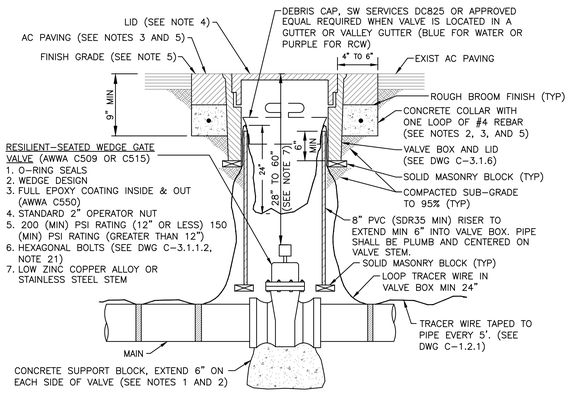
NOTES

1. REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY SHALL COMPLY WITH AWWA C511, BE USC APPROVED AND APPROVED BY THE ENGINEER AND TESTED BY AN APPROVED THIRD PARTY CERTIFIED BACKFLOW ASSEMBLY TESTER (TO BE PROVIDED BY CONTRACTOR) PRIOR TO APPROVAL OF ANY CERTIFICATE OF OCCUPANCY OR FINAL INSPECTION.
2. NO OUTLET TEE, TAP OR CONNECTION BETWEEN SERVICE CONNECTION AND BACKFLOW PREVENTION ASSEMBLY. LOCATE DIRECTLY BEHIND WATER METER, ALL OTHER LOCATIONS REQUIRE PRIOR APPROVAL BY THE ENGINEER OR OWNER.
3. INSTALL ADEQUATE DRAINAGE TO MAINTAIN AIR GAP, REFER TO RELIEF VALVE DISCHARGE RATE FOR SIZING.
4. SUPPORTS REQUIRED FOR ASSEMBLIES 2-1/2" AND LARGER.
5. HEAT SOURCE MUST BE CERTIFIED FOR WET/DAMP APPLICATIONS PER ASSE 1060 CLASS 1.
6. LAYOUT VARIES BASED ON SIZE, HEAT SOURCE, AND CONFIGURATION (COMPACT CONFIGURATION NOT SHOWN). INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. COORDINATE FINAL LOCATION WITH USING AGENCY.

BACKFLOW PREVENTION ASSEMBLY DETAIL

SCALE: NTS

A C5.05



TYPICAL SECTION

NTS

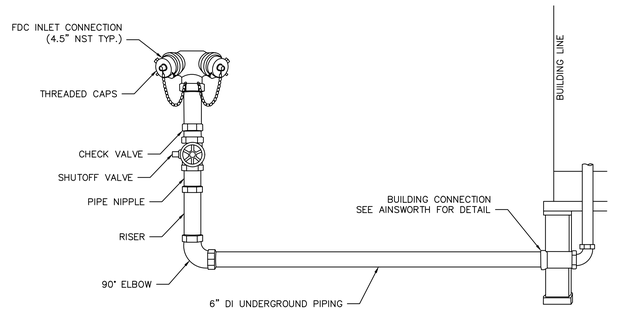
NOTES:

1. SUPPORT BLOCKING SHALL BE POURED AGAINST UNDISTURBED SOIL AND NOT PREVENT ACCESS TO BOLT ASSEMBLY OR VALVE JOINTS.
2. CONCRETE SHALL CONFORM TO THE SSPWC SECTION 202 AND 337.10. PORTLAND CEMENT CONCRETE (PCC) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, MINIMUM 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. REBAR SHALL ONLY BE USED WHEN THE VALVE BOX IS LOCATED OUTSIDE PAVED AREAS.
3. THE CONCRETE COLLAR SHALL BE LEFT 2-1/2 INCHES TO 3 INCHES BELOW FINISHED ASPHALT SURFACE. APPLY AN APPROVED TACK COAT (CONFORMING TO THE SSPWC SECTION 318) AND FILL VOID BETWEEN ADJACENT PAVEMENT AND FRAME WITH TYPE 3 PG 64-22 PAVING (CONFORMING TO THE SSPWC SECTION 320). APPLY FOG SEAL WITH TYPE SS-1 EMULSIFIED ASPHALT (CONFORMING TO THE SSPWC SECTION 340) TO THE ASPHALT SURFACE. ALL CUTS IN PAVING SHALL BE STRAIGHT AND EVEN. EXCEPTION: WHEN STRUCTURE NOT LOCATED IN ASPHALT PAVEMENT OR LOCATED IN AN UNPAVED AREA, EXTEND CONCRETE TO FINISH GRADE.
4. LIDS SHALL BE SET FLUSH WITH FINISH GRADE UNLESS OTHERWISE NOTED.
5. WHEN LOCATED IN NDOT RIGHT-OF-WAY, CONCRETE COLLAR SHALL CONFORM TO NDOT STANDARD PLAN DS-49 AND STANDARD SPECIFICATION 609.
6. VALVES ON FIRE LINES SHALL BE UL/FM APPROVED AND MEET ALL APPLICABLE NFPA REQUIREMENTS.
7. PLACER WATERWORKS INC. VALVE STEM EXTENSIONS OR APPROVED EQUAL SHALL BE USED AS NEEDED TO MAINTAIN A 28 INCH TO 60 INCH DEPTH FROM TOP OF VALVE CAN TO TOP OF OPERATOR NUT. VALVE STEM EXTENSIONS SHALL BE STEEL WITH 2 INCH OPERATOR NUTS AND 5.5 INCH STEEL CENTERING RING. ALL PARTS TO BE POWDER COATED.

TYPICAL GATE VALVE

SCALE: NTS

B C5.05



FIRE DEPARTMENT CONNECTION

SCALE: NTS

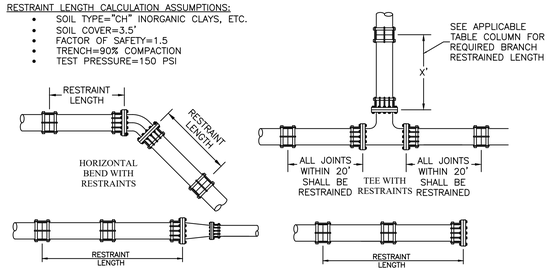
C C5.05

DI PIPE - RESTRAINT LENGTH CHART (FT)												
	TEES (SEE NOTE 3)		BENDS					REDUCERS (SEE NOTE 4)				
PIPE ø (IN)	BRANCH/RUN (IF LENGTH TO FIRST JOINT ALONG RUN=20')	BRANCH/RUN (IF LENGTH TO FIRST JOINT ALONG RUN<20')	90°	45°	22.5°	11.25°	DEAD END	12" x PIPE ø	10" x PIPE ø	8" x PIPE ø	6" x PIPE ø	4" x PIPE ø
4"	1/20	24/20	11	5	3	2	23	149	98	58	24	N/A
6"	2/20	38/20	16	7	4	2	33	85	50	23	N/A	17
8"	17/20	54/20	20	9	4	2	43	47	21	N/A	18	31
10"	29/20	67/20	24	10	5	3	51	20	N/A	17	31	42
12"	43/20	81/20	28	12	6	3	60	N/A	18	32	44	52

PVC PIPE - RESTRAINT LENGTH CHART (FT)												
	TEES (SEE NOTE 3)		BENDS					REDUCERS (SEE NOTE 4)				
PIPE ø (IN)	BRANCH/RUN (IF LENGTH TO FIRST JOINT ALONG RUN=20')	BRANCH/RUN (IF LENGTH TO FIRST JOINT ALONG RUN<20')	90°	45°	22.5°	11.25°	DEAD END	12" x PIPE ø	10" x PIPE ø	8" x PIPE ø	6" x PIPE ø	4" x PIPE ø
4"	1/20	24/20	14	6	3	2	36	232	154	90	37	N/A
6"	2/20	38/20	19	8	4	2	50	132	79	35	N/A	26
8"	17/20	54/20	24	10	5	3	66	73	33	N/A	28	48
10"	29/20	67/20	29	12	6	3	79	32	N/A	27	49	64
12"	43/20	81/20	34	14	7	4	93	N/A	28	50	68	81

RESTRAINT LENGTH CALCULATION ASSUMPTIONS:

- SOIL TYPE="CH" INORGANIC CLAYS, ETC.
- SOIL COVER=3.5'
- FACTOR OF SAFETY=1.5
- TRENCH=90% COMPACTION
- TEST PRESSURE=150 PSI



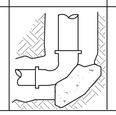
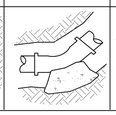
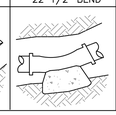
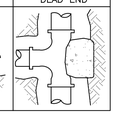
NOTES

1. IF BELL RESTRAINTS ARE USED ACCORDING TO THIS CHART, THRUST BLOCKS ARE NOT REQUIRED ON BENDS, TEES, HYDRANTS, AND VALVES. OWNER'S REPRESENTATIVE MAY REQUIRE USE OF THRUST BLOCKS DEPENDING ON SOIL CONDITIONS.
2. CONTRACTOR SHALL SUBMIT RESTRAINT CAPABILITY OF THE BELL RESTRAINT SUPPLIED FOR APPROVAL BY ENGINEER PRIOR TO USE.
3. IF FULL 20' STICK OF PIPE IS NOT INSTALLED IN 'RUN' DIRECTION OF TEE, THEN 'BRANCH' DIRECTION WILL BE RESTRAINED TO A LENGTH INDICATED IN COLUMN "BRANCH/RUN (IF LENGTH TO FIRST JOINT ALONG RUN < 20')". MINIMUM LENGTH TO FIRST JOINT ALONG RUN IS 5 FEET.
4. ALL RESTRAINTS TO BE PLACED ON LARGE SIDE OF THE REDUCER.
5. RESTRAINED LENGTHS APPLICABLE FOR HORIZONTAL AND VERTICAL BENDS.
6. ALL JOINTS WITHIN THE CALCULATED LENGTH MUST BE RESTRAINED.
7. IF DISTANCE BETWEEN FITTINGS IS LESS THAN OR EQUAL TO THE CALCULATED RESTRAINT LENGTH, RESTRAIN ALL JOINTS BETWEEN FITTINGS.

JOINT RESTRAINT CHART DETAIL

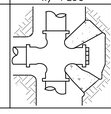
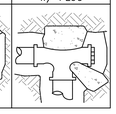
SCALE: NTS

E C5.05

TYPE OF FITTING	90° BEND	45° BEND	11 1/4° OR 22 1/2° BEND	TEE OR DEAD END
TYPICAL INSTALLATION				

MIN THRUST BLOCK BEARING AREA (SQ FT)

TYPE OF FITTING		90° BEND	45° BEND	11 1/4° OR 22 1/2° BEND	TEE OR DEAD END	TEE W/ PLUG	CROSS W/ PLUG
SIZE OF PIPE	4"	2	1	1	2	2	2
	6"	4	4	2	4	4	4
	8"	7	4	2	5	7	7
	10"	12	6	3	8	12	12
	12"	16	10	5	12	16	16
	14"	20	12	6	14	20	20
	16"	27	15	8	18	27	27
	18"	45	25	13	32	45	45
	24"	65	35	18	46	65	65

TYPE OF FITTING	CROSS W/ PLUG	TEE W/ PLUG
TYPICAL INSTALLATION		

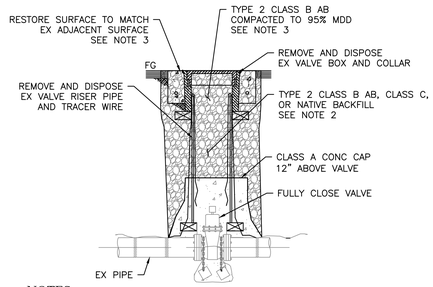
NOTES:

1. THRUST BLOCKS TO BE CONSTRUCTED OF CONCRETE CONFORMING TO SECTION 337.10 OF THE SSPWC AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
2. AREAS GIVEN ARE FOR PRESSURE CLASS 235 PIPE AT TESTING PRESSURE OF 150 PSI, WITH 2000 PSF BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOIL TYPES SHOULD HAVE AREAS ADJUSTED ACCORDINGLY, SUBJECT TO THE APPROVAL OF THE CITY ENGINEER OR THEIR DESIGNEE.
3. THRUST BLOCKS SHALL BE POURED AGAINST THE PIPE FITTING ON ONE SIDE AND UNDISTURBED SOIL ON THE OTHER SIDE.
4. JOINTS, FLANGES, NUTS, BOLTS AND FACE OF PLUG SHALL BE KEPT CLEAR OF CONCRETE. CONCRETE SHALL BE PREVENTED FROM ADHERING TO THE FITTINGS.

TYPICAL THRUST BLOCK

SCALE: NTS

D C5.05



NOTES

1. CONTRACTOR IS NOT PERMITTED TO OPERATE EXISTING VALVES. CLOSURE OF EXISTING VALVES SHALL BE COORDINATED IN ADVANCE WITH THE USING AGENCY. OWNER'S REPRESENTATIVE SHALL BE PRESENT FOR VALVE CLOSURE AND VERIFY ADEQUATE SHUTOFF PRIOR TO COMMENCEMENT OF ABANDONMENT WORK.
2. BACKFILL EXCAVATED AREAS WITH CLASS E, NATIVE, OR TYPE 2 AGGREGATE BASE COMPACTED TO 90% MAXIMUM DRY DENSITY. FILL PLACEMENT AND MATERIAL IN NON-STRUCTURAL AREAS OR AREAS NOT RECEIVING SITE IMPROVEMENTS SHALL BE COMPACTED TO 85% MAXIMUM DRY DENSITY AND MEET THE REQUIREMENTS OF PROJECT SPECIFICATIONS.
3. IF EXCAVATION IS IN ASPHALT, SEE TRENCH PATCH DETAIL AND PROJECT SPECIFICATIONS FOR RESTORATION REQUIREMENTS. RESTORE SURFACE TO MATCH EXISTING ADJACENT SURFACE.

GATE VALVE ABANDONMENT DETAIL

SCALE: NTS

F C5.05

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
DETAILS V

job number
25015

date
OCTOBER 13, 2026

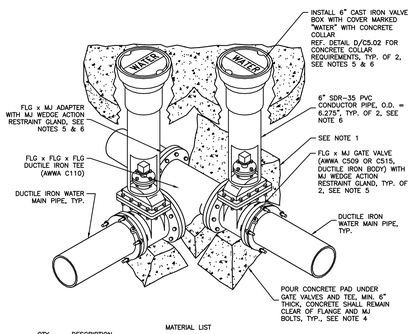
drawing number
C5.05

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DESIGN DEVELOPMENT

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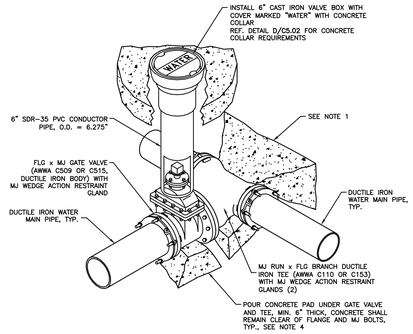
NOTES:
1. REFERENCE DETAIL D/C5.05 FOR THRUST BLOCK SIZING AND REQUIREMENTS.
2. ALL BOLTS AND EXPOSED METAL SHALL BE COATED WITH BRUSHED-ON MASTIC.
3. TEE, VALVES, FITTINGS, DUCTILE IRON PIPE AND OTHER METAL PARTS SHALL BE ENCASED WITH POLYETHYLENE WRAP PER AWWA C105.
4. CONCRETE FOR PADS SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 PSI AFTER 28 DAYS. BAG CONCRETE MIX IS NOT ACCEPTABLE.
5. POSITION OF FLG x MJ VALVE (RUN) AND FLG x MJ ADAPTER MAY SWITCH, REFERENCE WATER IMPROVEMENT PLANS.
6. AN ADDITIONAL FLG x MJ VALVE MAY BE REQUIRED IN LIEU OF FLG x MJ ADAPTER, REF. WATER IMPROVEMENT PLANS.



MATERIAL LIST

QTY.	DESCRIPTION
1	FLG x FLG x FLG DUCTILE IRON TEE (AWWA C110)
2	FLG x MJ GATE VALVE WITH DUCTILE IRON BODY (AWWA C509 OR C515)
1	FLG x MJ ADAPTER
3	MJ WEDGE ACTION RESTRAINT GLAND
2	6" CAST IRON VALVE BOX WITH COVER MARKED "WATER"
2	6" SDR-35 PVC CONDUCTOR PIPE SECTION, O.D. = 6.275"
–	CONCRETE BULK – THRUST BLOCKS, PADS, COLLARS

NOTES:
1. REFERENCE DETAIL D/C5.05 THRUST BLOCK SIZING AND REQUIREMENTS.
2. ALL BOLTS AND EXPOSED METAL SHALL BE COATED WITH BRUSHED-ON MASTIC.
3. TEE, VALVES, FITTINGS, DUCTILE IRON PIPE AND OTHER METAL PARTS SHALL BE ENCASED WITH POLYETHYLENE WRAP PER AWWA C105.
4. CONCRETE FOR PADS SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 PSI AFTER 28 DAYS. BAG CONCRETE MIX IS NOT ACCEPTABLE.



MATERIAL LIST

QTY.	DESCRIPTION
1	MJ RUN x FLG BRANCH DUCTILE IRON TEE (AWWA C110 OR C153)
1	FLG x MJ GATE VALVE WITH DUCTILE IRON BODY (AWWA C509 OR C515)
3	MJ WEDGE ACTION RESTRAINT GLAND
1	6" CAST IRON VALVE BOX WITH COVER MARKED "WATER"
1	6" SDR-35 PVC CONDUCTOR PIPE SECTION, O.D. = 6.275"
–	CONCRETE BULK – THRUST BLOCKS, PADS, COLLARS

CUT IN TEE DETAILS

SCALE: NTS

A
C5.06

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job number
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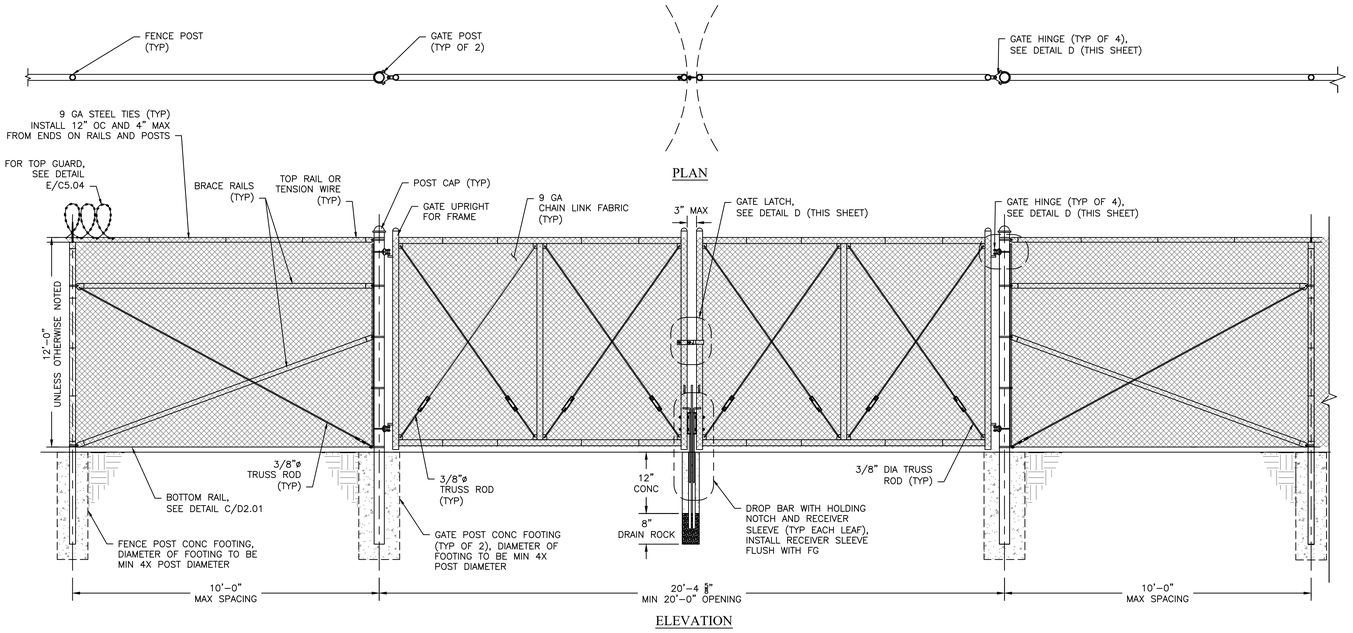
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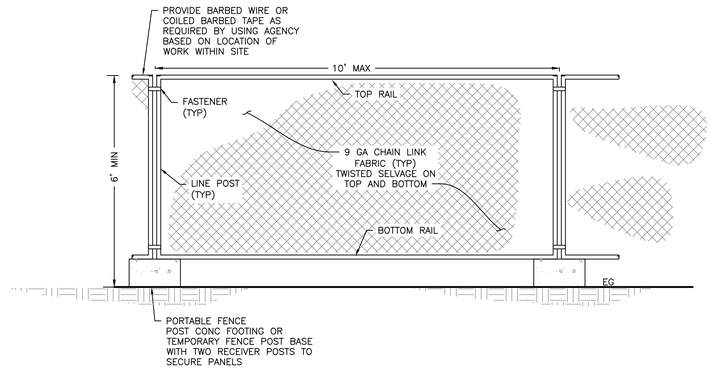
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TYPICAL DOUBLE SWING GATE DETAIL

SCALE: NTS

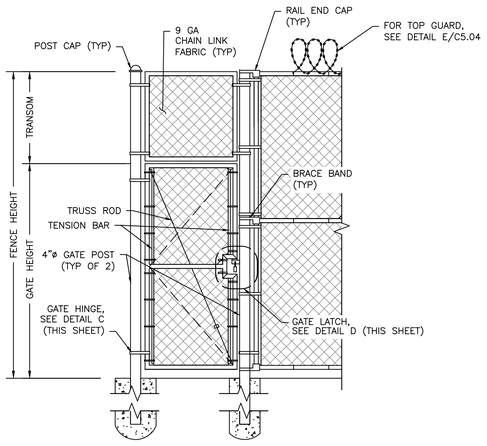
A C5.07



TYPICAL TEMPORARY CHAIN LINK FENCE DETAIL

SCALE: NTS

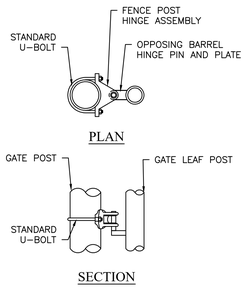
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TYPICAL PEDESTRIAN SWING GATE DETAIL

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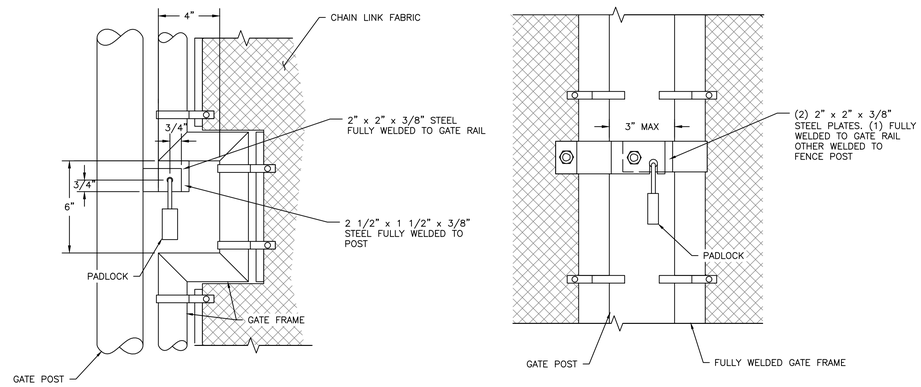
C C5.07



TYPICAL GATE HINGE DETAIL

SCALE: NTS

D C5.07



TYPICAL GATE LATCH DETAILS

SCALE: NTS

E C5.07

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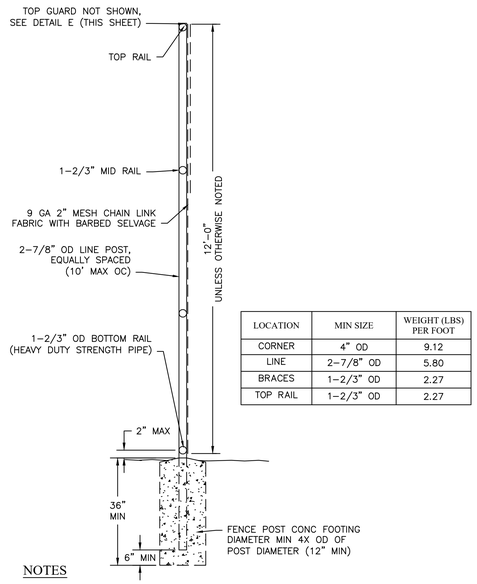
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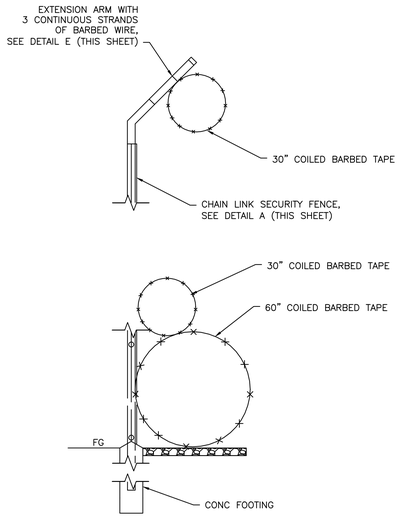
LOCATION	MIN SIZE	WEIGHT (LBS) PER FOOT
CORNER	4" OD	9.12
LINE	2–7/8" OD	5.80
BRACES	1–2/3" OD	2.27
TOP RAIL	1–2/3" OD	2.27

NOTES

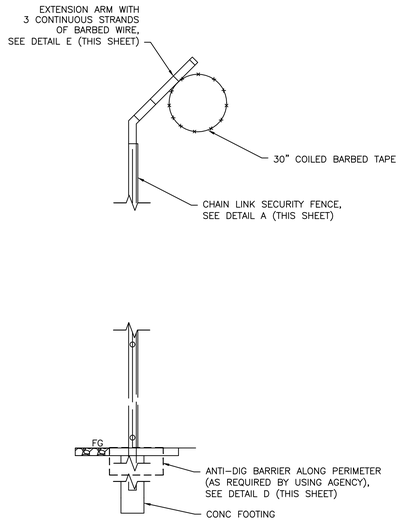
1. TENSION MEMBERS SHALL BE $\frac{3}{8}$" STEEL RODS WITH TURNBUCKLES.

TYPICAL CHAIN LINK SECURITY FENCE DETAIL

SCALE: NTS — A C5.08



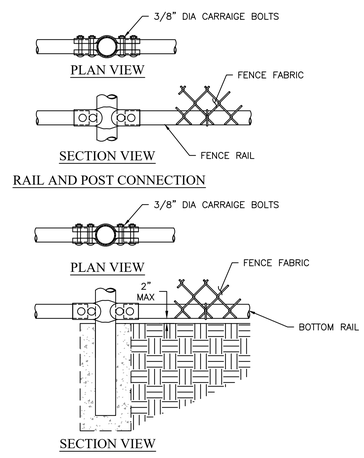
OUTSIDE



INSIDE

TYPICAL PERIMETER DUAL SECURITY FENCE DETAIL

SCALE: NTS — B C5.08



RAIL AND POST CONNECTION

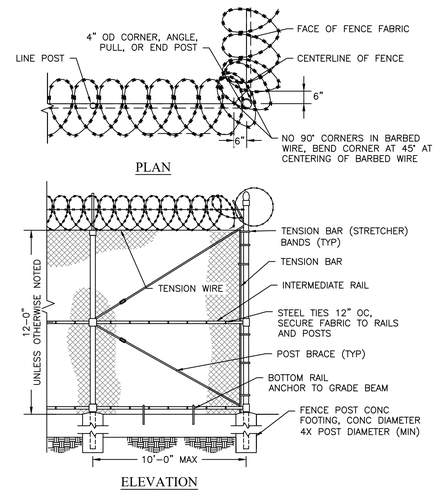
BOTTOM RAIL CONNECTION

NOTES

1. HARDWARE AND FABRIC SHALL BE LOCATED ON THE SECURE SIDE OF FENCE.

TYPICAL FENCE CONNECTION DETAILS

SCALE: NTS — C C5.08



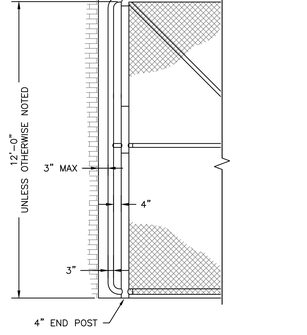
ELEVATION

NOTES

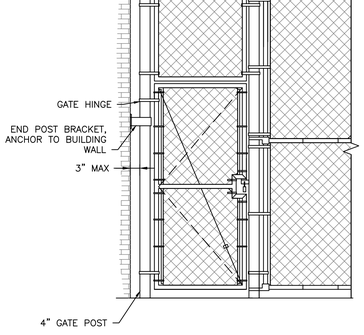
1. CORNER POST SHOWN – APPLY DETAIL TO END, ANGLE, AND PULL POSTS.

TYPICAL FENCE CORNER DETAIL

SCALE: NTS — D C5.08



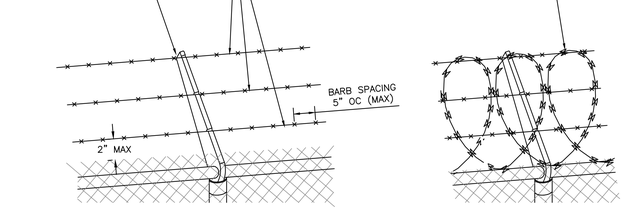
FENCE CONNECTION



GATE CONNECTION

TYPICAL FENCE POST TO BUILDING CONNECTION DETAIL

SCALE: NTS — E C5.08



3 STRAND BARBED WIRE

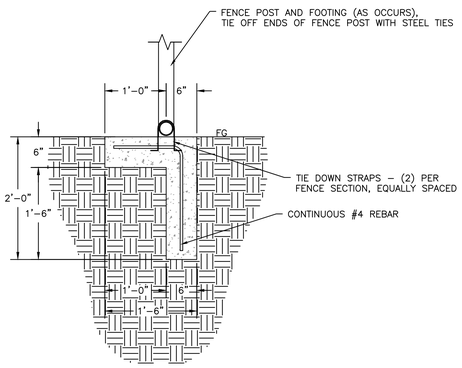
BARBED TAPE

NOTES

1. METAL AND FINISHES OF WIRE AND SUPPORTING ARMS TO MATCH CHAIN LINK FRAME AND FABRIC

TYPICAL FENCE TOP GUARD DETAILS

SCALE: NTS — F C5.08



TYPICAL ANTI-DIG BARRIER DETAIL

SCALE: NTS — G C5.08

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
DETAILS VIII

job number
25015

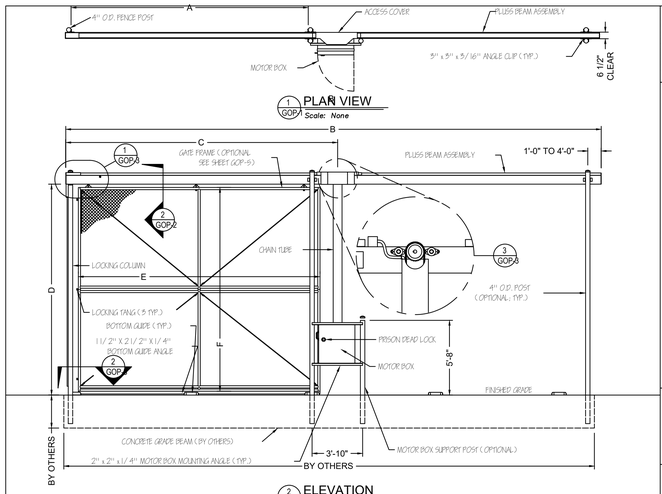
date
OCTOBER 13, 2026

drawing number
C5.08

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775-851-4788

DESIGN DEVELOPMENT

6/18/2026 12:55:04 PM



EXCLUDED:	FINISH:	ELECTRICAL REQUIREMENTS:				MOTOR BOX LOCK:	KEYS / KEY CODE:
ALL SITE PREPARATION, CONCRETE AND ELECTRICAL WORK.	HOT DIPPED GALVANIZED	VOLTAGE:	PHASE:	HORSEPOWER:	CONTROL VOLTAGE:	Southern Steel 1010A	/
		230	3	1	LOW		

TYMETAL CORP. www.tymetal.com 2549 STATE ROUTE 40 GREENWICH, N.Y. 12834 PHONE 800-387-1883 - FIONE 800-4644

DIRECTORY/CAD FILE: Classic-PLUSS_GOP-1-5.dwg | SHEET NUMBER: 1 of 5 | DRAWING NUMBER: GOP-1

PROJECT: | SUBJECT: Positive Locking Ultimate Sallyport System (PLUSS) | CONTRACTOR: | ARCHITECT/ENGINEER:

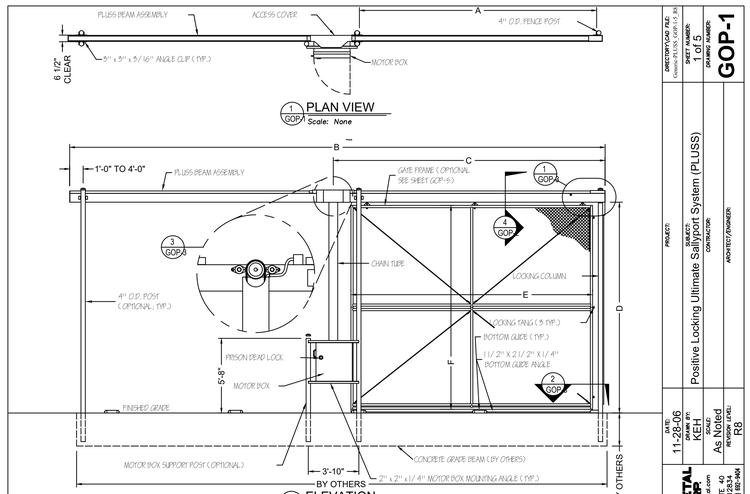
DRAWN BY: MNS | CHECKED BY: BGS | DATE: 3/19/15 | DATE: 11-28-06 | DRAWN BY: KEH | SCALE: As Noted | REVISION LEVEL: R6

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POSITIVE LOCKING ULTIMATE SALLYPORT SYSTEM (PLUSS)

SCALE: NTS

A C5.09



EXCLUDED:	FINISH:	ELECTRICAL REQUIREMENTS:				MOTOR BOX LOCK:	KEYS / KEY CODE:
ALL SITE PREPARATION, CONCRETE AND ELECTRICAL WORK.	HOT DIPPED GALVANIZED	VOLTAGE:	PHASE:	HORSEPOWER:	CONTROL VOLTAGE:	Southern Steel 1010A	/
		230	3	1	LOW		

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DIRECTORY/CAD FILE: Classic-PLUSS_GOP-1-5.dwg | SHEET NUMBER: 1 of 5 | DRAWING NUMBER: GOP-1

PROJECT: | SUBJECT: Positive Locking Ultimate Sallyport System (PLUSS) | CONTRACTOR: | ARCHITECT/ENGINEER:

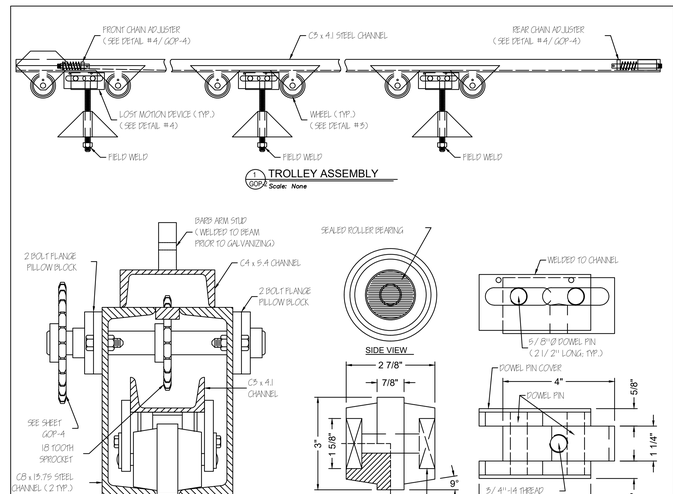
DRAWN BY: MNS | CHECKED BY: BGS | DATE: 3/19/15 | DATE: 11-28-06 | DRAWN BY: KEH | SCALE: As Noted | REVISION LEVEL: R6

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POSITIVE LOCKING ULTIMATE SALLYPORT SYSTEM (PLUSS)

SCALE: NTS

B C5.09



DIRECTORY/CAD FILE: Classic-PLUSS_GOP-1-5.dwg | SHEET NUMBER: 2 of 5 | DRAWING NUMBER: GOP-2

PROJECT: | SUBJECT: PLUSS Unit Details | CONTRACTOR: | ARCHITECT/ENGINEER:

DRAWN BY: MNS | CHECKED BY: BGS | DATE: 3/19/15 | DATE: 11-28-06 | DRAWN BY: KEH | SCALE: As Noted | REVISION LEVEL: R16

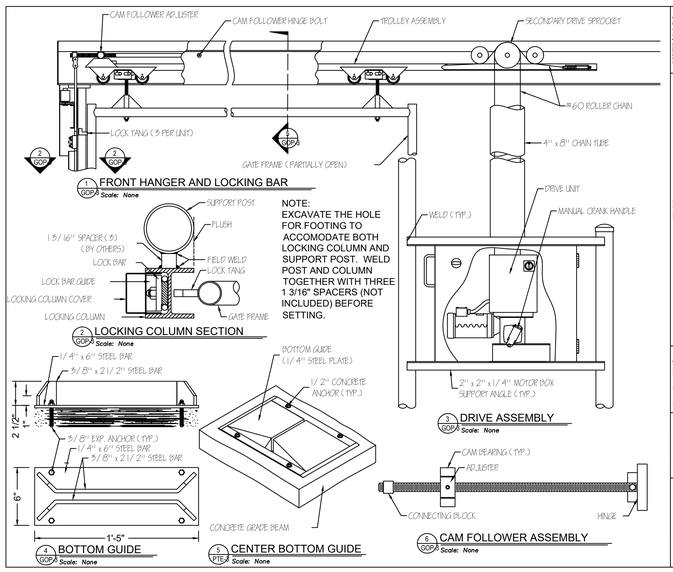
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PLUSS UNIT DETAILS

SCALE: NTS

C C5.09



DIRECTORY/CAD FILE: Classic-PLUSS_GOP-1-5.dwg | SHEET NUMBER: 3 of 5 | DRAWING NUMBER: GOP-3

PROJECT: | SUBJECT: PLUSS Unit Details | CONTRACTOR: | ARCHITECT/ENGINEER:

DRAWN BY: MNS | CHECKED BY: BGS | DATE: 3/19/15 | DATE: 11-28-06 | DRAWN BY: KEH | SCALE: As Noted | REVISION LEVEL: R16

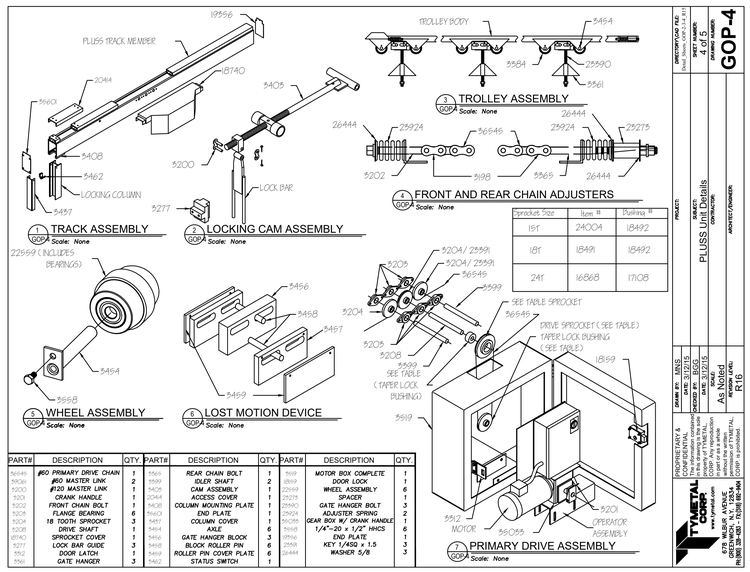
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PLUSS UNIT DETAILS

SCALE: NTS

D C5.09



PART#	DESCRIPTION	QTY.	PART#	DESCRIPTION	QTY.	PART#	DESCRIPTION	QTY.
56546	#50 PRIMARY DRIVE CHAIN	1	5565	REAR CHAIN BOLT	1	5512	MOTOR BOX COMPLETE	1
56061	#50 MASTER LINK	2	5569	IDLER SHAFT	2	5519	DOOR LOCK	1
56200	#120 MASTER LINK	1	5426	CAM ASSEMBLY	1	22559	WHEEL ASSEMBLY	6
5203	CRANK HANDLE	1	5244	ACCESS COVER	1	25275	SPACER	1
5202	FRONT CHAIN BOLT	1	5408	COLUMN MOUNTING PLATE	1	25590	GATE HANGER BOLT	3
5205	FLANGE BEARING	6	5463	END PLATE	1	25924	ADJUSTER SPRING	2
5204	18 TOOTH SPROCKET	3	5457	COLUMN COVER	1	56255	GEAR BOX W/ CRANK HANDLE	1
5208	DRIVE SHAFT	1	5464	AXLE	6	5518	1/4"-20 x 1/2" HHCS	6
18740	SPROCKET COVER	1	5456	GATE HANGER BLOCK	3	19556	END PLATE	1
5277	LOCK BAR GUIDE	3	5468	BLOCK ROLLER PIN	6	3558	KEY 1/4SQ x 1.5	3
552	DOOR LATCH	1	5469	ROLLER PIN COVER PLATE	6	25444	WASHER 5/8	3
5561	GATE HANGER	3	5462	STATUS SWITCH	1			

DIRECTORY/CAD FILE: Classic-PLUSS_GOP-1-5.dwg | SHEET NUMBER: 4 of 5 | DRAWING NUMBER: GOP-4

PROJECT: | SUBJECT: PLUSS Unit Details | CONTRACTOR: | ARCHITECT/ENGINEER:

DRAWN BY: MNS | CHECKED BY: BGS | DATE: 3/19/15 | DATE: 11-28-06 | DRAWN BY: KEH | SCALE: As Noted | REVISION LEVEL: R16

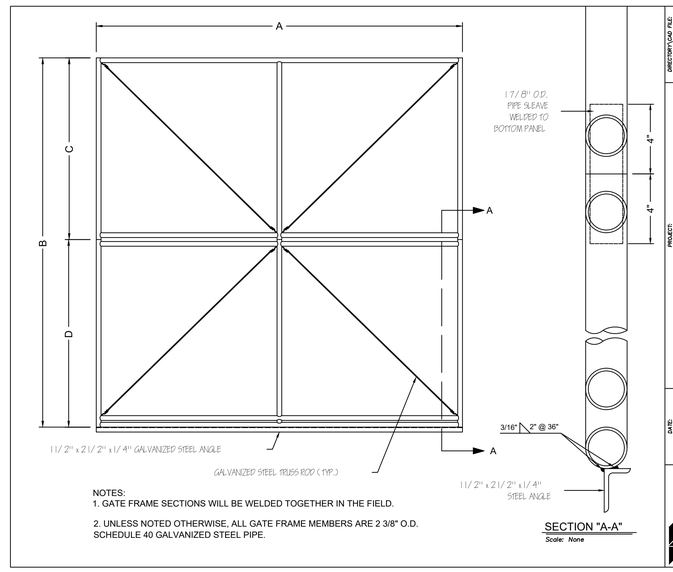
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PLUSS UNIT DETAILS

SCALE: NTS

E C5.09



DIRECTORY/CAD FILE: Classic-PLUSS_GOP-1-5.dwg | SHEET NUMBER: 5 of 5 | DRAWING NUMBER: GOP-5

PROJECT: | SUBJECT: - 2 3/8" O.D. Steel Pipe Frame Gate Panel | CONTRACTOR: | ARCHITECT/ENGINEER:

DRAWN BY: MNS | CHECKED BY: BGS | DATE: 3/19/15 | DATE: 11-28-06 | DRAWN BY: KEH | SCALE: As Noted | REVISION LEVEL: R16

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2 3/8" O.D. STEEL PIPE FRAME GATE PANEL

SCALE: NTS

F C5.09

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STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
DETAILS IX

job number
25015

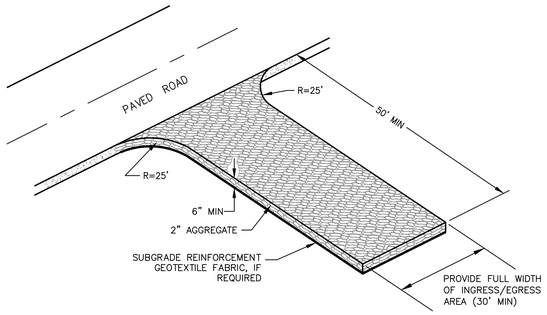
date
OCTOBER 13, 2026

drawing number
C5.09

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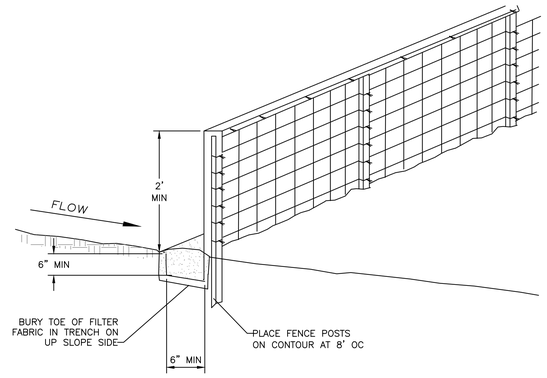
NOTES

1. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE USED AT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS.
2. THE AGGREGATE SHALL BE 2–INCH CRUSHED ROCK OR 1–INCH TO 3–INCH DIAMETER WASHED, WELL–GRADED GRAVEL.
3. THE ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
4. THE ENTRANCE SHALL BE CONSTRUCTED ON LEVEL GROUND.
5. PERIODIC TOP DRESSING WITH ADDITIONAL AGGREGATE SHALL BE PROVIDED TO MAINTAIN THE INTEGRITY OF THE ENTRANCE DURING CONSTRUCTION.
6. THE ENTRANCE SHALL BE INSPECTED AT REGULAR INTERVALS AND AFTER EACH RAINFALL.
7. CRUSHED ROCK MATERIAL SHALL BE ADDED WHEN SURFACE VOIDS ARE NOT VISIBLE.
8. ALL SEDIMENT DEPOSITS ON PAVED ROADWAYS SHALL BE REMOVED WITHIN 24 HOURS.
9. THE CRUSHED ROCK AND GEOTEXTILE FABRIC SHALL BE REMOVED AT COMPLETION OF CONSTRUCTION.

CONSTRUCTION ENTRANCE DETAIL

SCALE: NTS

A C5.10



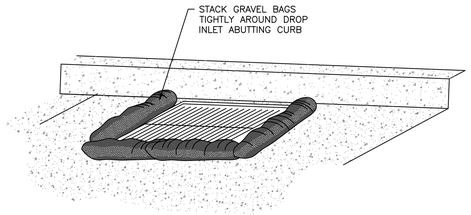
NOTES

1. FILTER FABRIC FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION TO MITIGATE THE EFFECTS OF EROSION, AND REMOVED UPON COMPLETION OF THE PROJECT.
2. SILT FENCE SHALL BE CONSTRUCTED WITH A 36" MINIMUM SETBACK FROM THE TOE OF SLOPE IF PRESENT.

SILT FENCE DETAIL

SCALE: NTS

B C5.10



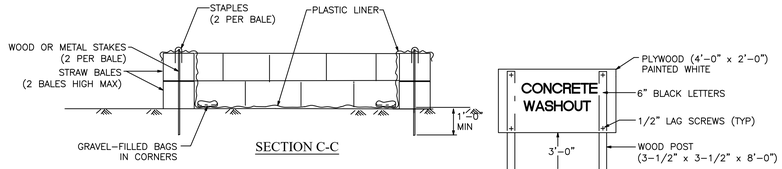
NOTES

1. INSTALL FILTER FABRIC BELOW GRATES, EXTEND FILTER FABRIC 18" BEYOND THE EDGE OF THE GRATE ALL DIRECTIONS.

DRAINAGE INLET DETAIL

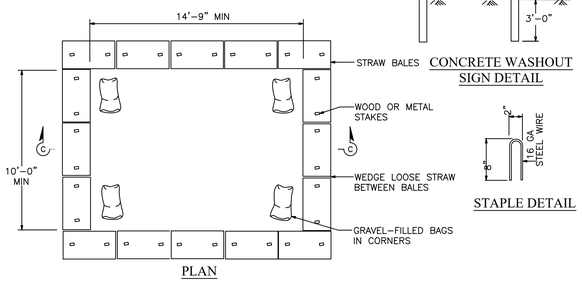
SCALE: NTS

C C5.10



SECTION C-C

CONCRETE WASHOUT SIGN DETAIL



PLAN

STAPLE DETAIL

NOTES:

1. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 32'–10" OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
2. PLASTIC LINER SHALL BE ANCHORED WITH GRAVEL–FILLED BAGS FOR BELOW–GRADE CONCRETE WASHOUT FACILITY (NOT SHOWN).

TEMPORARY CONCRETE WASHOUT

SCALE: NTS

D C5.10

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Revision Schedule		
#	Date	Description

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STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
DETAILS X

job number
25015

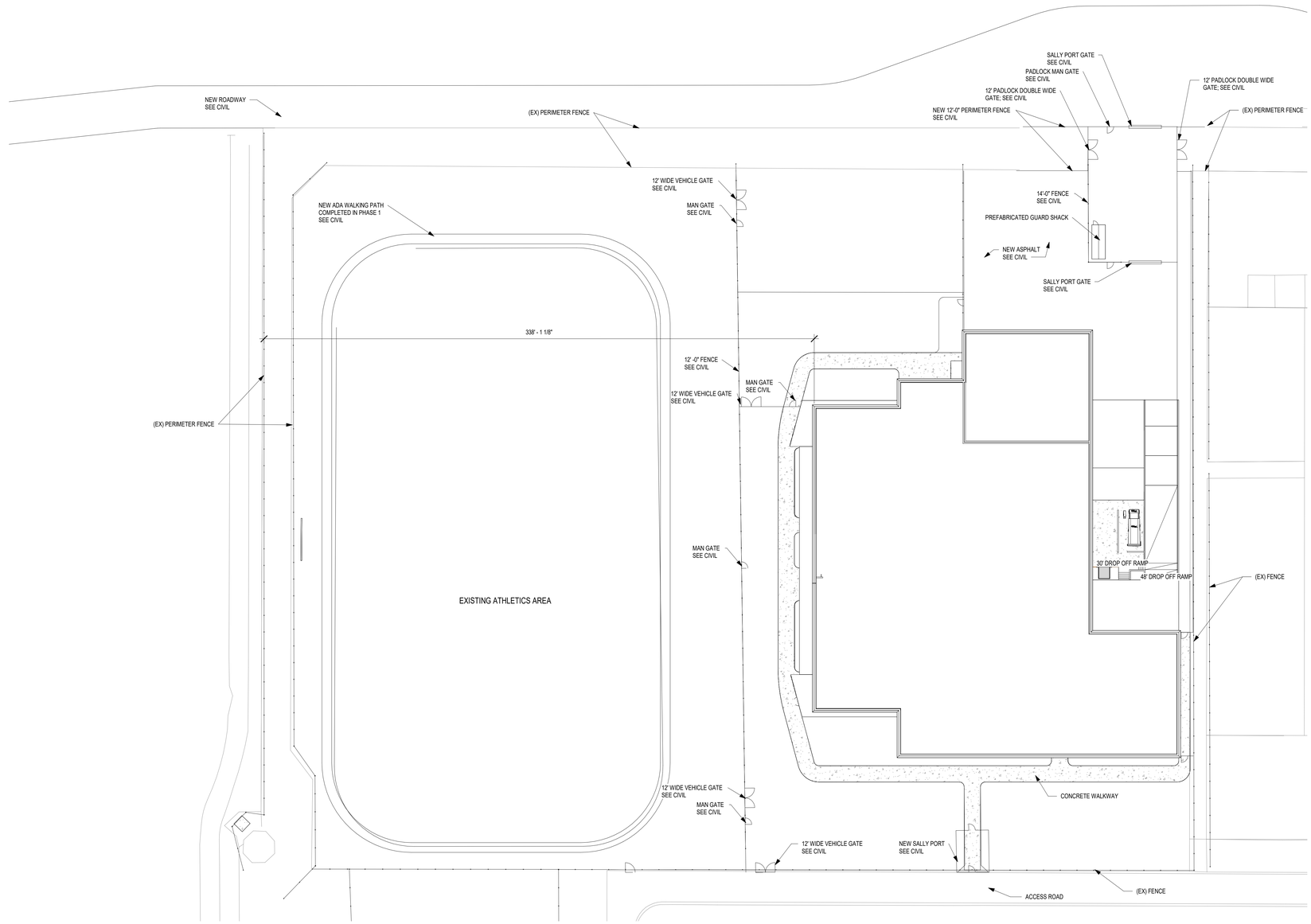
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1 OVERALL SITE PLAN
1" = 30'-0"

10/27/2026 2:46:47 PM

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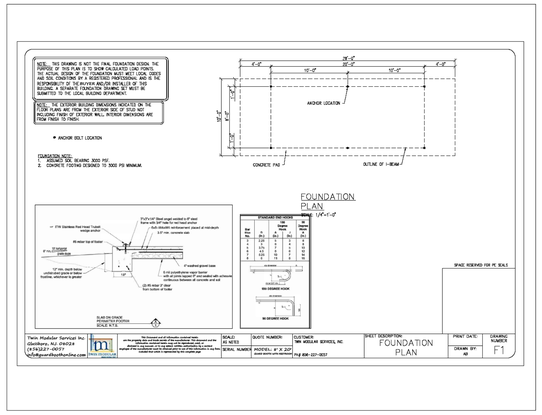
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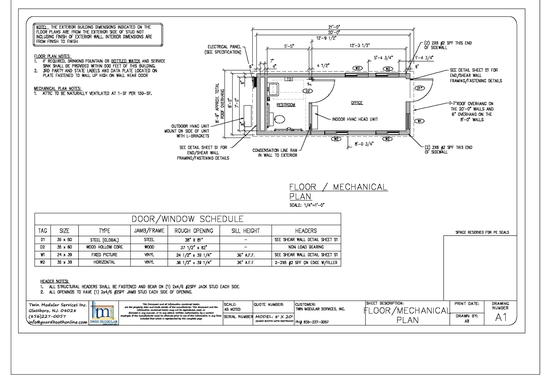
drawing title
OVERALL ARCHITECTURAL SITE PLAN

job number
25015

date
OCTOBER 13, 2026

drawing number
A1.0

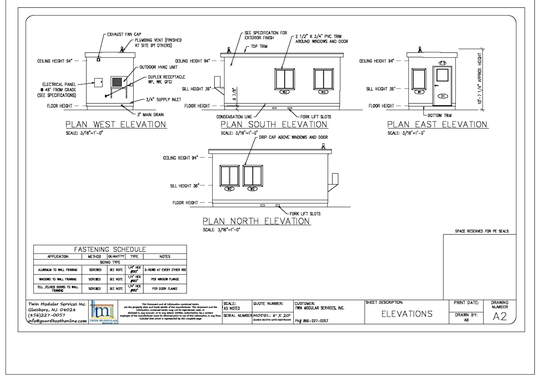




DOOR/WINDOW SCHEDULE

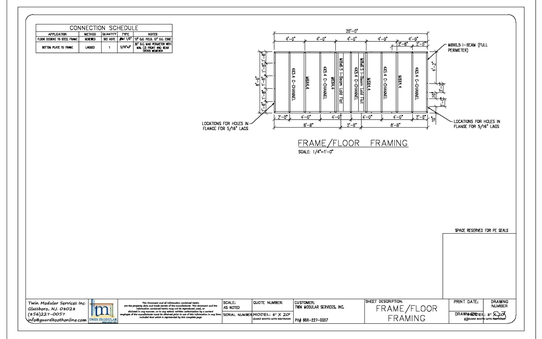
TAG	SIZE	TYPE	JAMB/FRAME	ROUGH OPENING	SILL HEIGHT	HEADERS
D1	36 x 80	STEEL SLIDING	STEEL	38" X 81"		SEE SHEAR WALL DETAIL SHEET S1
D2	35 x 80	WOOD HOLLOW CORE	WOOD	37 1/2" x 82"		NON LOAD BEARING
W	24 x 36	FIXED PICTURE	VINYL	24 1/2" x 36 1/4"	36" A.F.F.	SEE SHEAR WALL DETAIL SHEET S1
W2	35 x 39	HORIZONTAL	VINYL	36 1/2" x 39 1/4"	36" A.F.F.	2-2X6 @1 SPF ON 2X6S W/FILLER

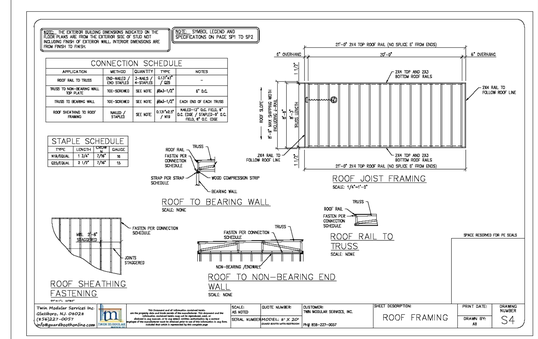
HEADER NOTES:
1. ALL STRUCTURAL HEADERS SHALL BE FASTENED AND BEAR ON (1) JACK @16" JACK STUD EACH SIDE.
2. ALL OPENINGS TO HAVE (1) JACK @16" JAMB STUD EACH SIDE OF OPENING.

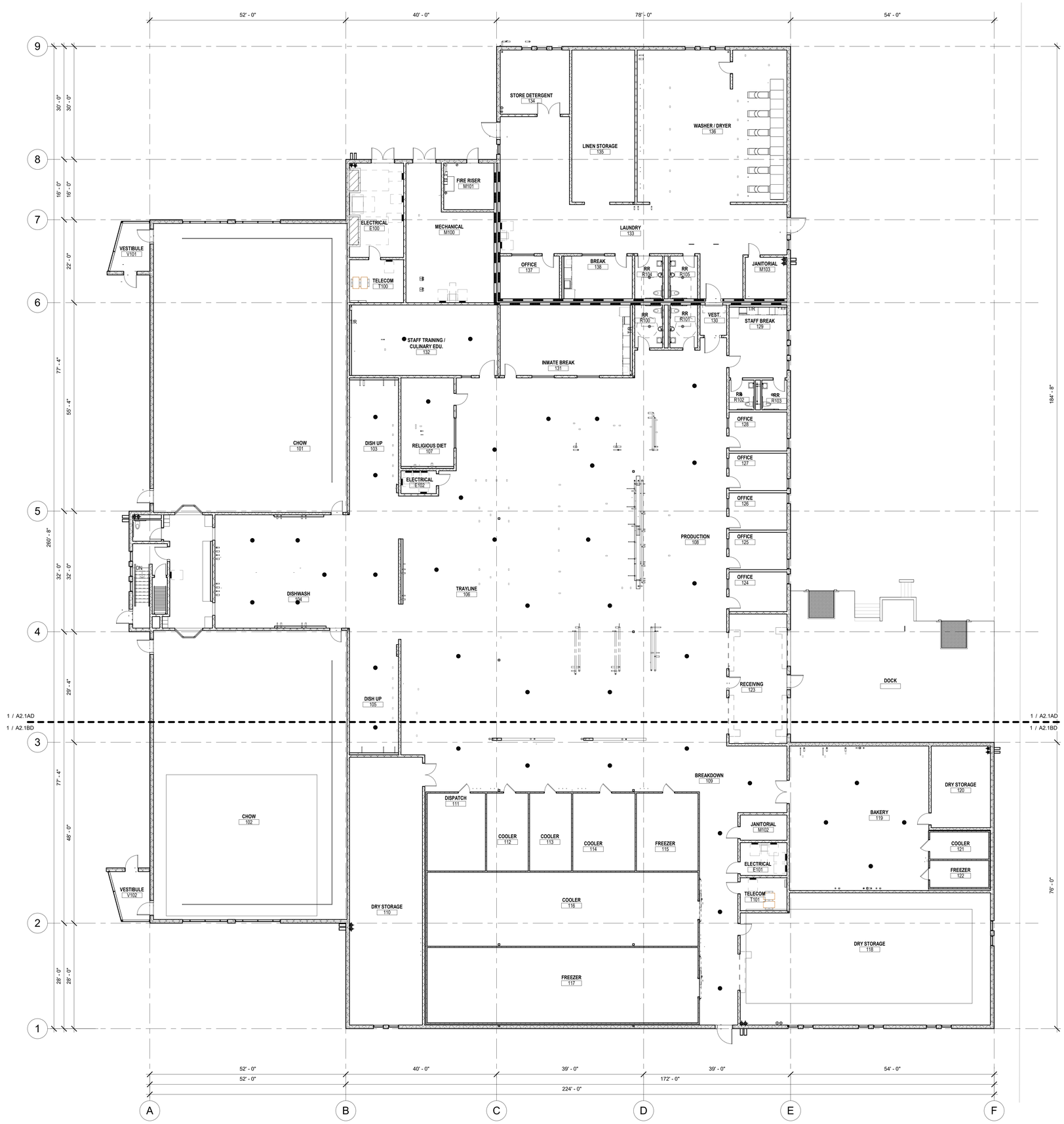


FASTENING SCHEDULE

APPLICATION	METHOD	QUANTITY	TYPE	NOTES
	SIDING TYPE			
ALUMUM TO WALL FRAME	SCREWED	8O AT 16" O.C.	1/4"-20 x 4" HOME AT EVERY OTHER RIB	
WOOD TO WALL FRAME	SCREWED	8O AT 16" O.C.	#10 WOOD SCREWS	
VIL. PLANKS BAND TO WALL FRAME	SCREWED	8O AT 16" O.C.	#10 SCREWS	




(2) 2X4 @ 16" OC SCHEDULE
TYPICAL CODE STRAP WITH (8) 10d NAILS IN EACH END
DOUBLE PLY 2X12 @ SPF HEADER GLUED AND SCREWED TOGETHER
F=10" WALL SHEATHING WIDTH
#5 MIL F.R.S.A. CLASS "C" MATED FLAT GASKETED TO 7/16" OSB
4'-4" TYP.
2'-0" OVER FOR ROOF VENTILATION
STRAP OVERHANG (20" SCHEDULE
ROOF SHEATHING
ALONG EDGES OF ROOF SCHEDULE
TYP. 2'-0" OVER FOR ROOF VENTILATION
1/2" GYPSUM SHEETROCK
1/2" GYPSUM SUB-CEILING SUSPENDED CEILING
R-30 INSULATION
2X6 @ 16" O.C. GYPSUM
2X6 STUD WALL
2X6 @ 16" O.C. GYPSUM
2X6 STUD WALL
2" PLYWOOD SPACER
2X6 @ 16" O.C. GYPSUM
2X6 STUD WALL
2X6 @ 16" O.C. GYPSUM
2X6 STUD WALL
2" PLYWOOD SPACER



1 OVERALL BUILDING FLOOR PLAN
3/32" = 1'-0"

10/27/2026 2:46:48 PM

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

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CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

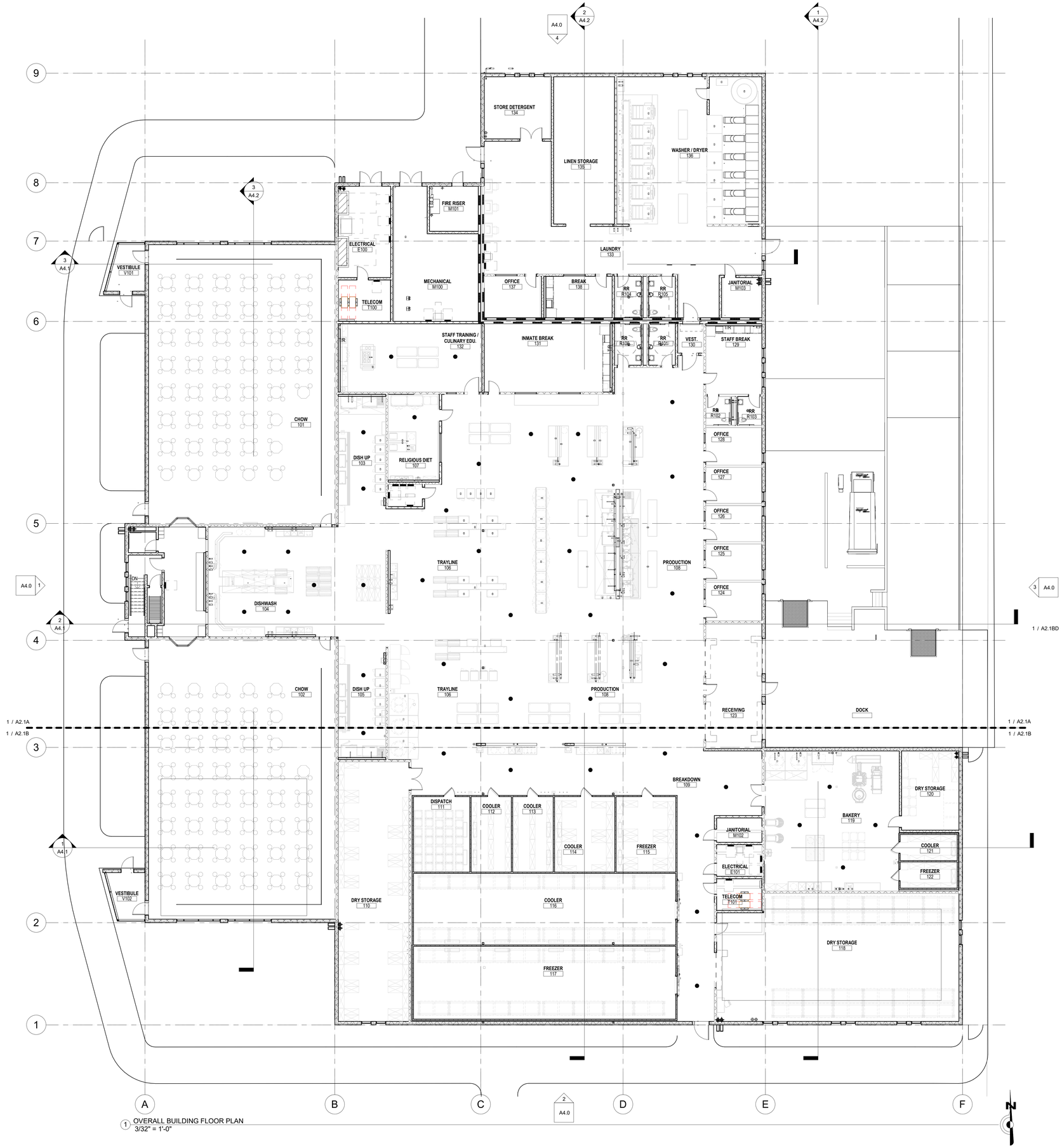
DESIGN DEVELOPMENT

drawing title
OVERALL DIMENSION PLAN

job number
25015

date
OCTOBER 13, 2026

drawing number
A2.0



1 OVERALL BUILDING FLOOR PLAN
3/32" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. ALL WINDOW & DOOR PLAN OPENINGS ARE DIMENSIONED THROUGHOUT.
2. FOR FIRE AND LIFE SAFETY PLANS, REFER TO G DRAWINGS.
3. REFER TO ROOF PLAN FOR NOTES AND DIMENSIONS.
4. REFER TO A4 SERIES DRAWINGS FOR EXTERIOR ELEVATIONS, BUILDING AND WALL SECTIONS
5. REFER TO A5 SERIES FOR DOORS, PARTITIONS, WINDOWS, AND ACCESSORIES.
6. ALL CORE & SHELL PLAN DIMENSIONS ARE TAKEN TO GRID LINES, TO THE FACE OF CMU WALLS, AND THE CENTERLINE OF COLUMNS UNLESS NOTED OTHERWISE.
7. ALL INTERIOR PARTITIONS ARE DIMENSIONED TO CENTERLINE OF WALL U.N.O.
8. INSTALL BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED DEVICES.
9. AT ALL SPANDREL GLASS LOCATIONS, FACE OF INTERIOR WALL TO BE CONTINUOUS WITH ADJACENT WALL.
10. GENERAL DIMENSIONS PROVIDED ON FLOOR PLANS AND AREA PLANS DO NOT REFLECT THE ROUGH OPENING DIMENSIONS REQUIRED FOR COORDINATION WITH MASONRY JOINT COURSING. CONTRACTOR IS TO PROVIDE ROUGH OPENING FRAMING DIMENSIONS CONSISTENT WITH ENLARGED ARCHITECTURAL PLAN/SECTION DETAILS, AND WINDOW SCHEDULE/DETAILS. CONTRACTOR TO SUBMIT RFI FOR ANY ROUGH OPENING DIMENSIONS NOT GIVEN IN DETAILING FOR CLARIFICATION REQUIRED.
11. OPENINGS IN FLOOR SLAB ARE DIMENSIONED TO GRID LINES UNLESS NOTED OTHERWISE
12. DOOR OPENINGS ARE DIMENSIONED TO DOOR FRAME U.N.O; REFER TO REFERENCED DETAIL FOR ROUGH OPENING DIMENSION.

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BUILDING FLOOR PLAN - AREA A

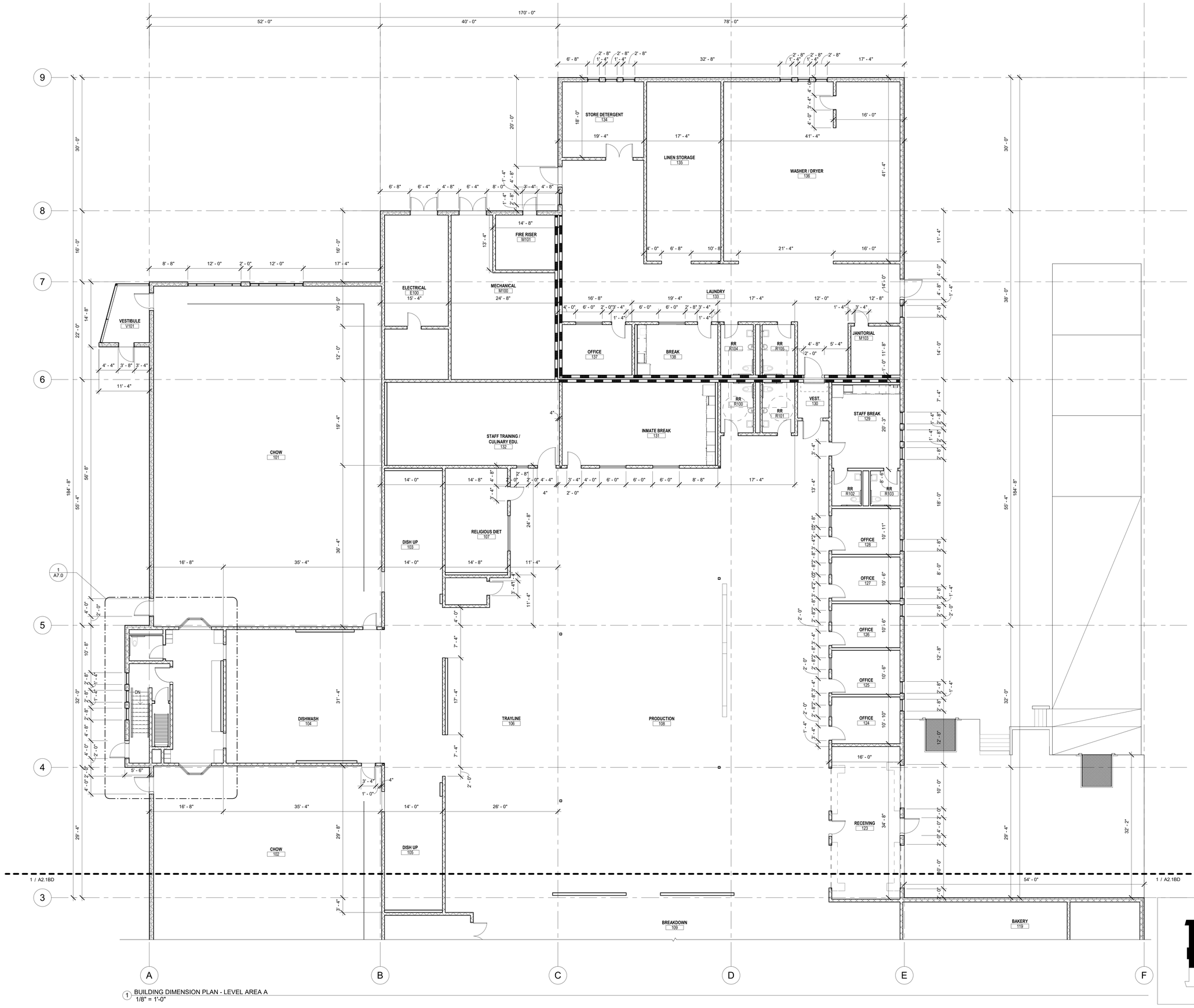
job number
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date
OCTOBER 13, 2026

drawing number
A2.1A

1 BUILDING FLOOR PLAN - AREA A
1/8" = 1'-0"

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1 BUILDING DIMENSION PLAN - LEVEL AREA A
1/8" = 1'-0"

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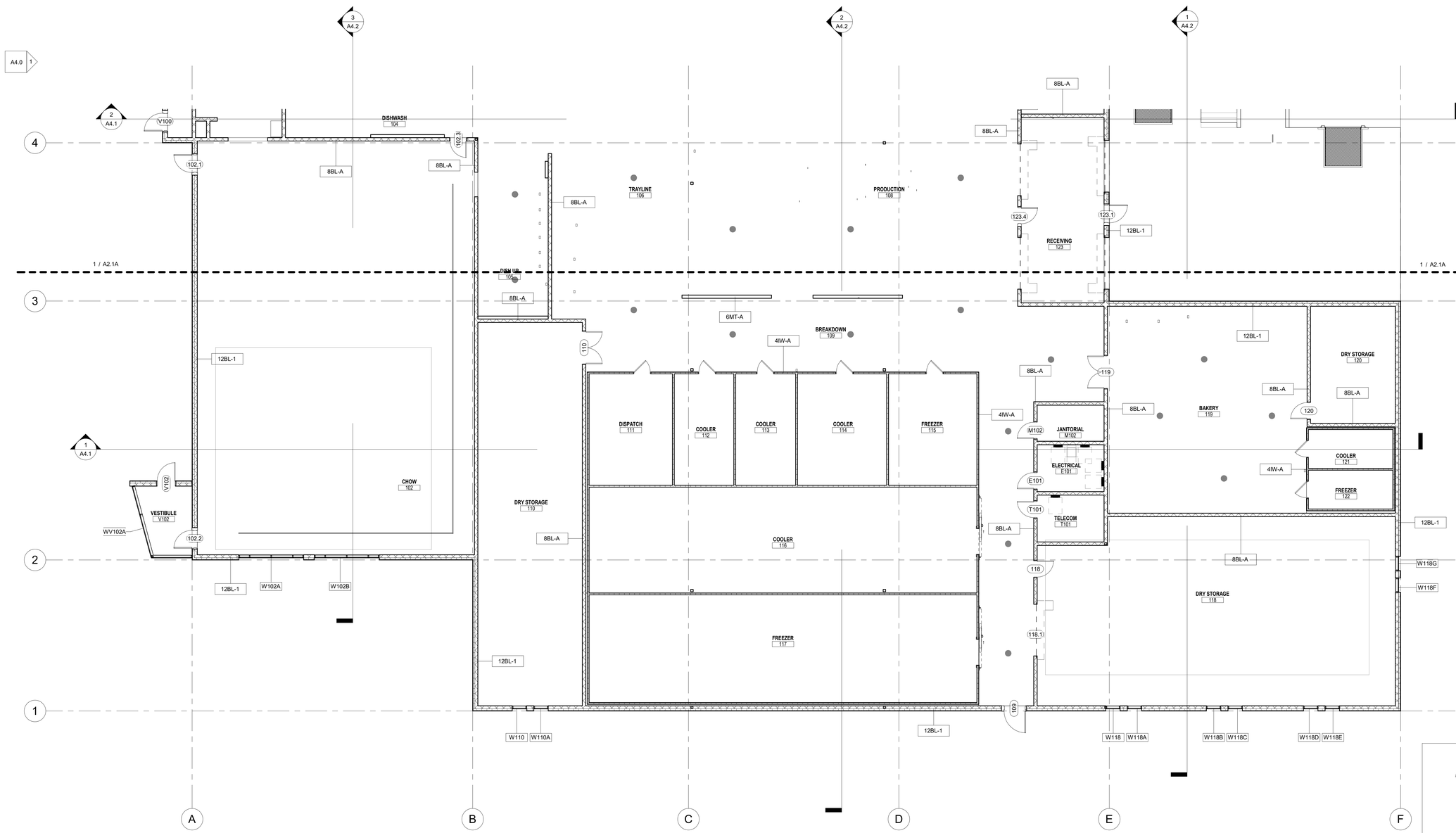
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1 BUILDING FLOOR PLAN - AREA B
1/8" = 1'-0"

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BUILDING FLOOR PLAN - AREA B

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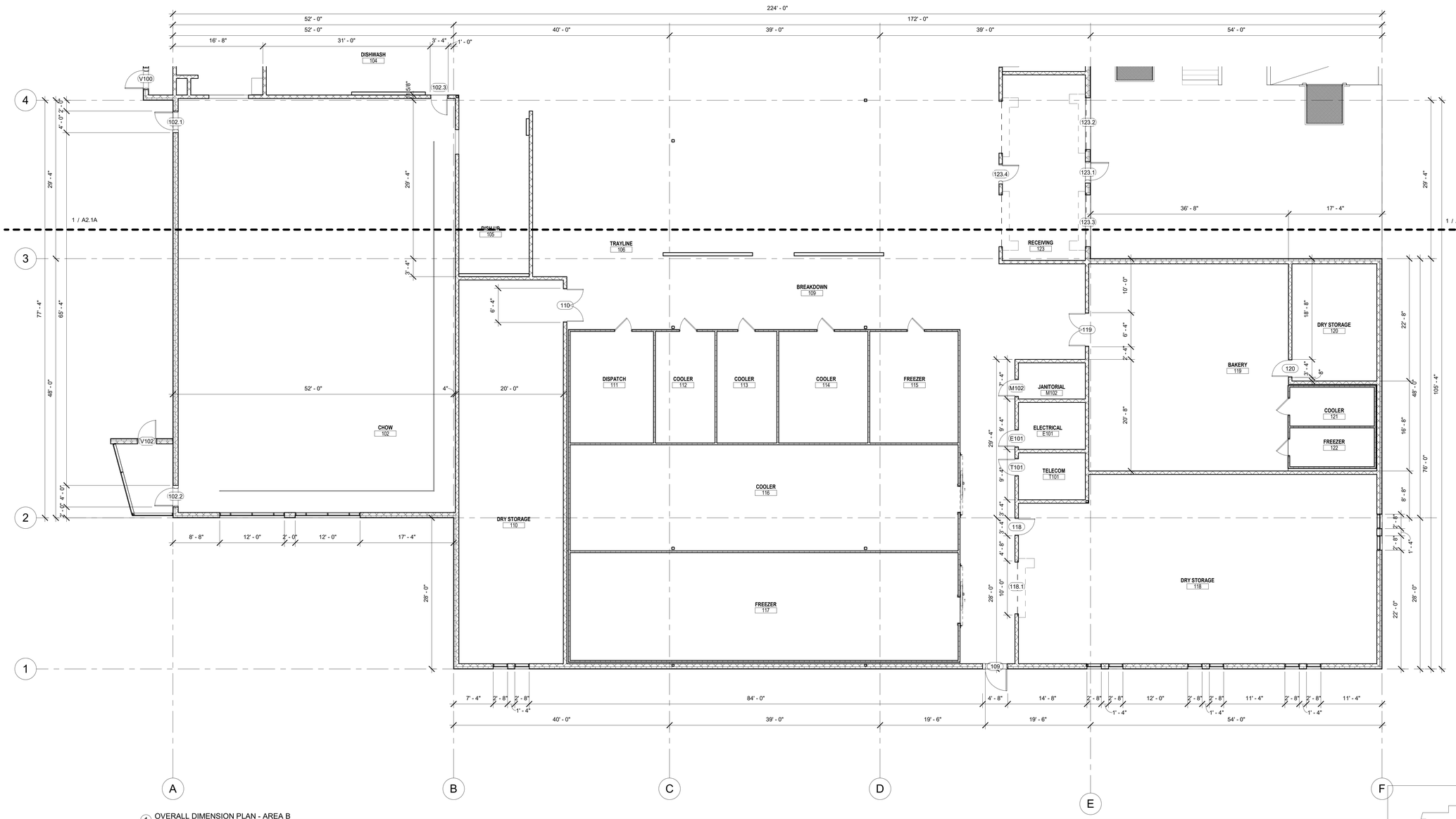
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drawing number
A2.1B

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1 OVERALL DIMENSION PLAN - AREA B
1/8" = 1'-0"



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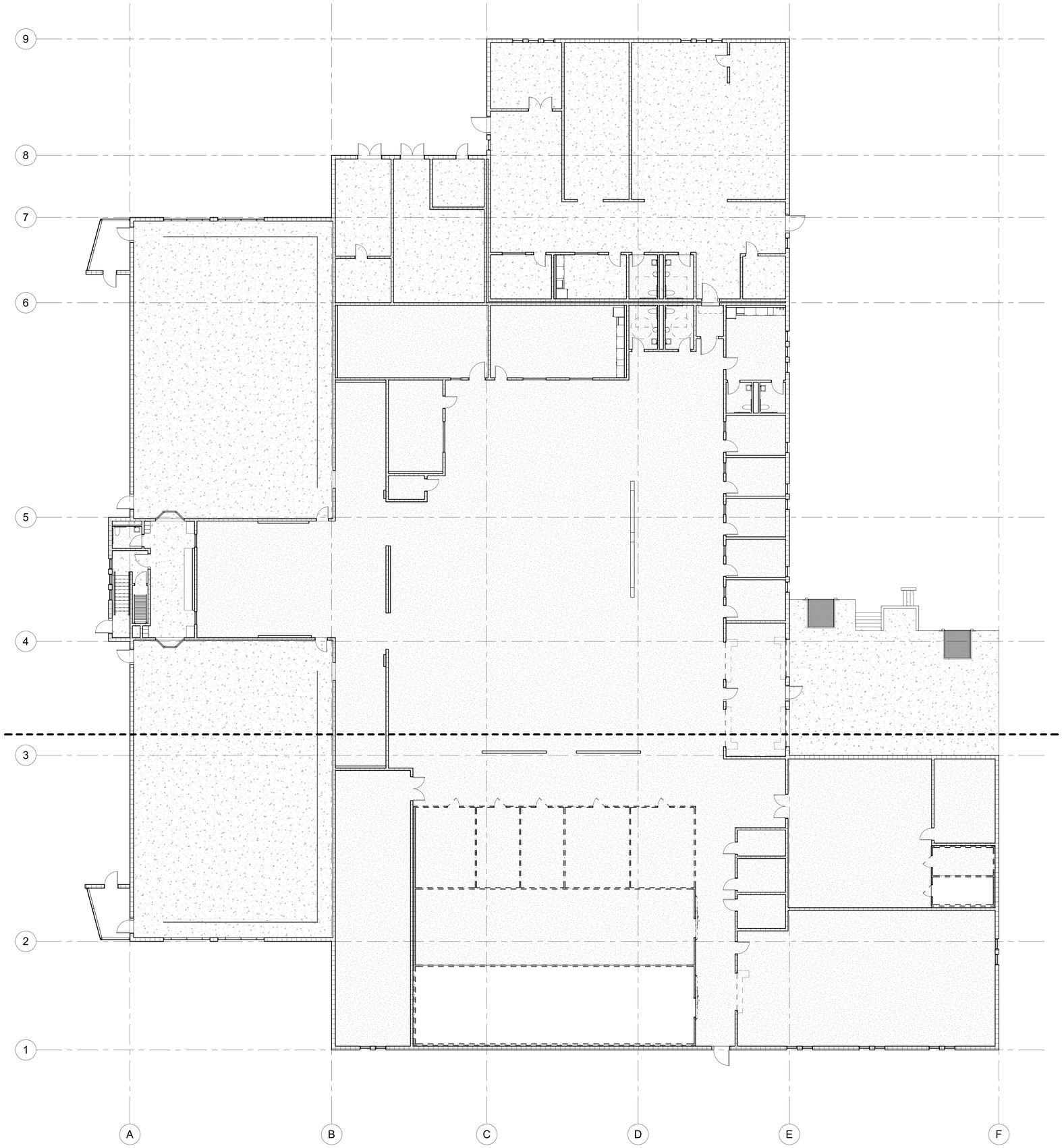
drawing title
BUILDING DIMENSION PLAN - AREA B

job number
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date
OCTOBER 13, 2026

drawing number
A2.1BD

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1 OVERALL BUILDING FLOOR PLAN
3/32" = 1'-0"

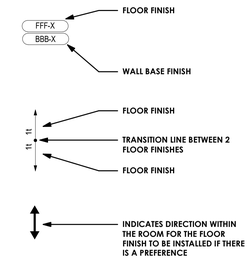
FLOOR FINISH LEGEND

NOTES:
1. HATCH PATTERNS INDICATED IN LEGEND TO NOT REPRESENT ACTUAL INSTALLATION PATTERN: SEE FINISHES LEGEND ON THE FINISH SCHEDULE SHEETS

CONC-1: SEALED CONCRETE

MMA-1: RESINOUS FLOORING

FLOOR FINISH SYMBOL LEGEND



NOTES:
1. SEE FINISH LEGEND FOR ALL REFERENCED FLOOR FINISH + WALL BASE CALLOUTS.
2. SEE FLOOR TRANSITION DETAILS FOR EACH TRANSITION CONDITION.

FLOOR FINISH GENERAL NOTES

1. SEE FLOOR TRANSITION DETAILS ON GENERAL DETAILS SHEET
2. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR FINISHES INDICATED ON FINISH LEGEND.
3. SEE FINISH LEGEND FOR ALL REFERENCED FLOOR FINISH + WALL BASE CALLOUTS.
4. ALL WALLS TO RECEIVE BASE UNO.
5. ALL FLOORING & BASE MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN SPECIFICATIONS AND RECOMMENDATIONS.
6. COORDINATE FLOOR FINISH TRANSITIONS BETWEEN DIFFERENT MATERIALS AND ADJACENT SPACES. PROVIDE APPROPRIATE TRANSITION STRIPS AS REQUIRED.
7. ALL FLOOR LEVELS SHALL BE FLUSH AT TRANSITIONS UNLESS OTHERWISE NOTED. PROVIDE SLIP-RESISTANT TRANSITIONS COMPLIANT WITH ADA REQUIREMENTS.
8. SEAL ALL FLOOR FINISHES AT WET AREAS, PERIMETERS, EDGES, AND PENETRATIONS AS REQUIRED FOR MOISTURE RESISTANCE.
9. PROVIDE FLOOR PREPARATION INCLUDING PATCHING, LEVELING, AND GRINDING AS REQUIRED FOR PROPER INSTALLATION OF FLOOR FINISHES.
10. PROTECT ALL INSTALLED FLOOR FINISHES FROM DAMAGE DURING CONSTRUCTION. REPAIR OR REPLACE DAMAGED AREAS AT NO ADDITIONAL COST TO OWNER.
11. COORDINATE FLOOR FINISH INSTALLATION WITH MECHANICAL, ELECTRICAL, AND PLUMBING WORK, INCLUDING FLOOR BOXES, REGISTERS, AND ACCESS PANELS.
12. INSTALL FLOORING MATERIALS IN SPACES THAT ARE FULLY ENCLOSED, WEATHER-TIGHT, AND CLIMATIZED TO MANUFACTURER'S REQUIREMENTS.
13. SEE FINISH SCHEDULE AND ROOM FINISH LEGEND FOR FLOOR FINISH TYPES AND EXTENTS.
14. COORDINATE ALL FLOOR FINISHES WITH BASE DETAILS AND WALL FINISHES.

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OVERALL BUILDING FLOOR FINISH PLAN

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1 OVERALL BUILDING FLOOR PLAN
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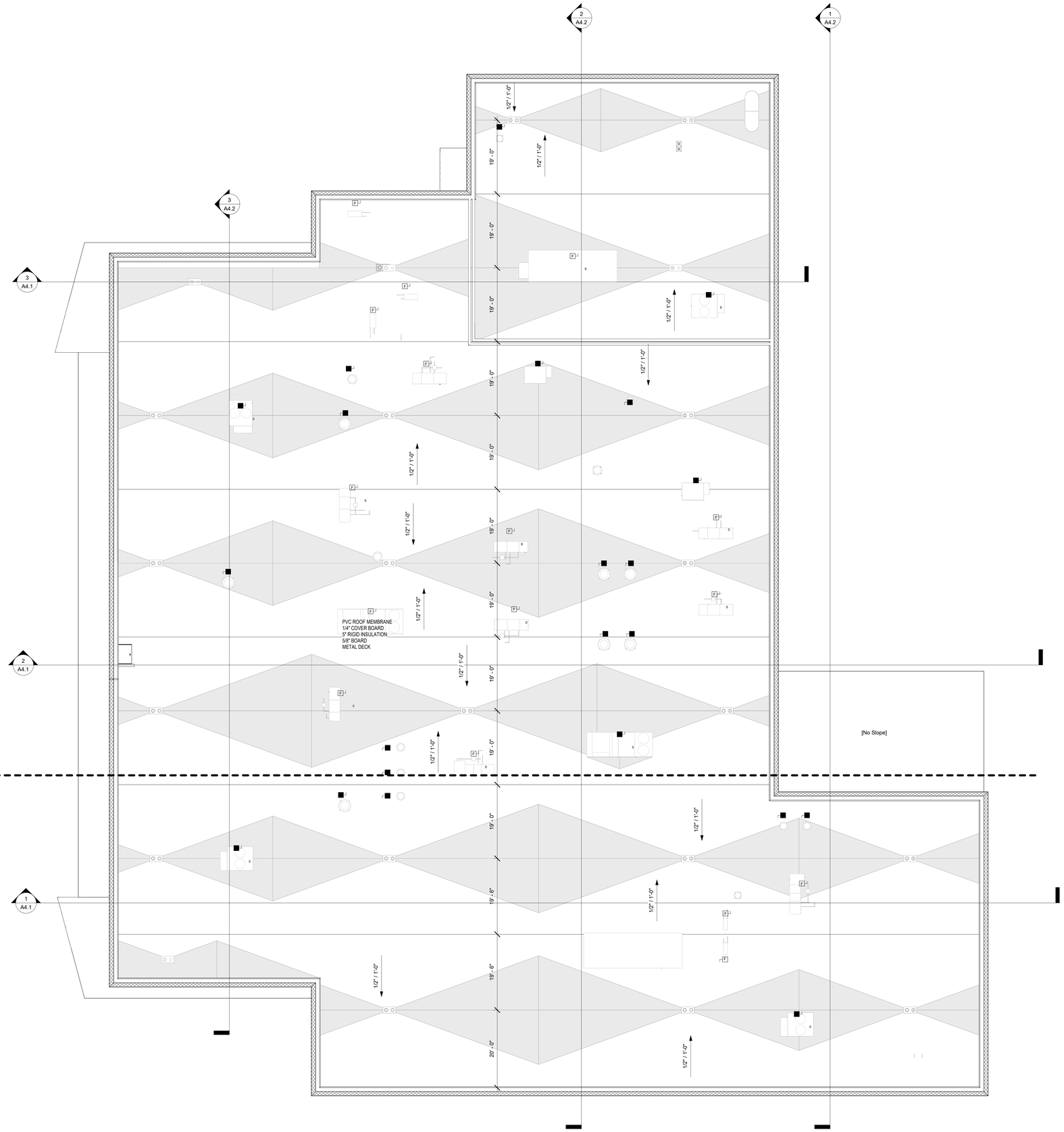
drawing title
OVERALL BUILDING SLAB PLAN

job number
25015

date
OCTOBER 13, 2026

drawing number
A2.1S

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1 OVERALL BUILDING ROOF PLAN
3/32" = 1'-0"

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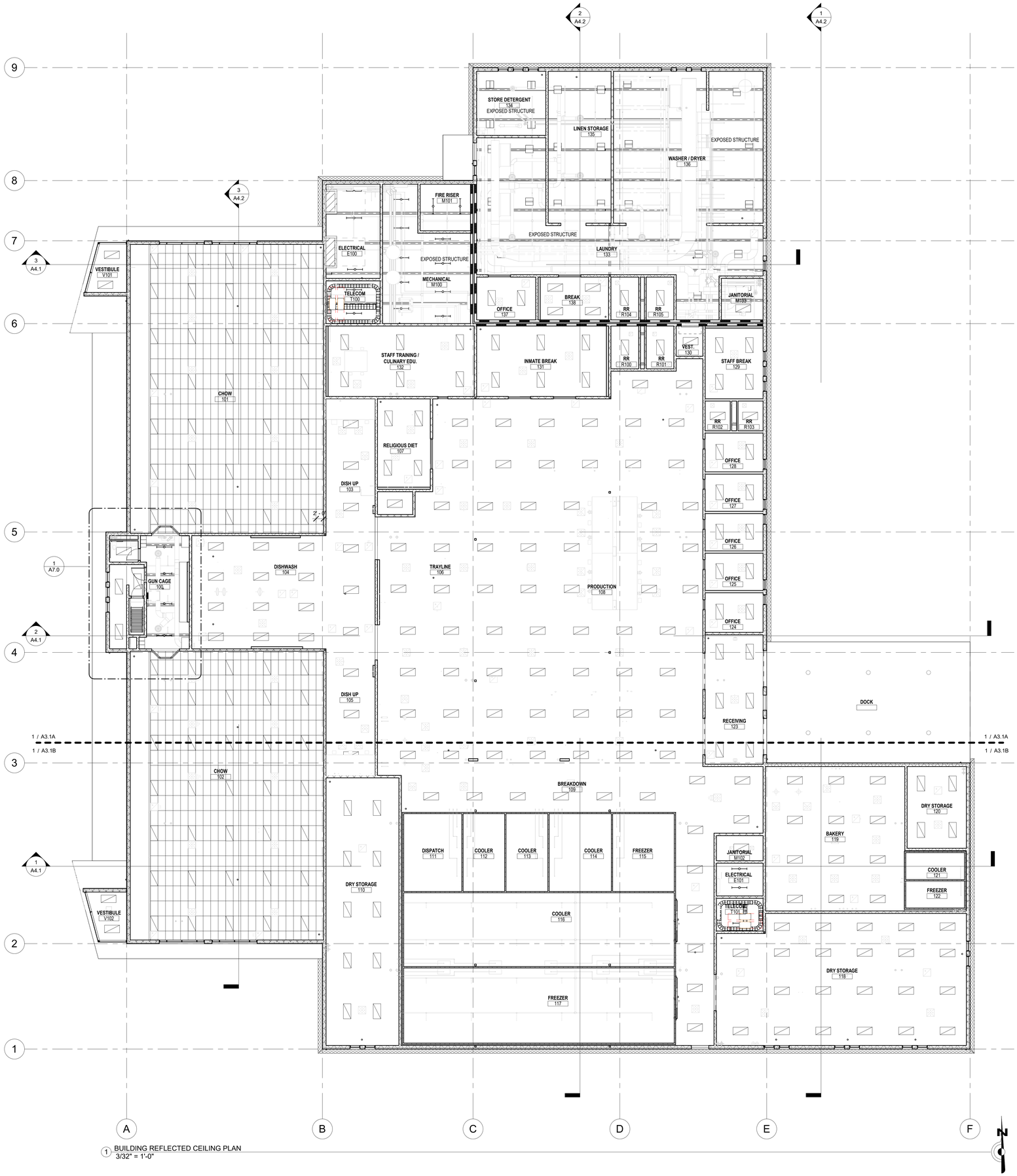
drawing title
OVERALL ROOF PLAN

job number
25015

date
OCTOBER 13, 2026

drawing number
A2.10

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1 BUILDING REFLECTED CEILING PLAN
3/32" = 1'-0"

10/27/2026 2:46:59 PM

RCP GENERAL NOTES

1. SEE FINISH SCHEDULE FOR CEILING TYPE AND FINISH.
2. SEE FLOOR PLANS FOR PARTITION TYPES AND PARTITION SCHEDULE FOR PARTITION CONSTRUCTION.
3. ALL CEILING ELEVATIONS ARE ABOVE FINISH FLOOR AT REFERENCE POINT. U.N.O.
4. CEILING TILES CENTERED IN SPACE U.N.O.
5. ANY PAINTED CEILING NOT INDICATED WITH AN ACCENT COLOR IS TO BE PAINTED [P1]
6. ALL GYP BOARD EXPOSED CORNERS SHALL RECEIVE CORNER BEADS.
7. WHERE CEILING SOFFIT IS CALLED OUT TO BE PAINTED, THE PAINT COLOR CALLED OUT IS TO RETURN UP ON ALL SIDES OF THE SOFFIT.
8. SEE SPECIFICATIONS FOR METAL STUD AND GYP. BD. MATERIALS.
9. REFER TO MECHANICAL PLANS FOR LOCATION AND TYPE OF ALL HVAC REGISTERS,ACCESS PANELS, THERMOMETERS, ETC. NOT ALL DEVICES ARE SHOWN HERE.
10. REFER TO ELECTRICAL PLANS FOR LOCATION AND TYPE OF ALL LIGHTING, DATA, AND POWER LOCATIONS. NOT ALL DEVICES ARE SHOWN HERE. ALL CONDUIT IN EXPOSED CEILING AREAS ARE TO BE VISUALLY ORGANIZED AND TUCKED NEXT TO A BEAM. PAINT CONDUIT -COLOR TO BE DETERMINED. SEE PAINT ZONE DIAGRAM.
11. SEE DETAILS ON A9.X FOR SEISMIC BRACING, SPRINKLER HEAD LOCATIONS, AND CEILING DETAILS.
12. SEISMIC BRACING FOR SUSPENDED CEILINGS INSTALLED IN SEISMIC CATEGORY D SHALL COMPLY WITH THE FOLLOWING:
    - A. T-BAR SYSTEM SHALL BE HEAVY DUTY
    - B. PERIMETER SUPPORT ANGLES SHALL BE 2". IN EACH ORTHOGONAL DIRECTION THE GRID SHALL BE RIGIDLY ATTACHED TO THE PERIMETER ANGLE ON ONE SIDE AND PERMITTED A 3/4" MOVEMENT IN EITHER DIRECTION AT THE OTHER SIDE.
    - C. SEISMIC BRACING IS REQUIRED FOR ALL CEILINGS GREATER THAN 144 SQUARE FEET IN AREA. THIS INCLUDES SPLAY WIRES AND COMPRESSION STRUTS.
    - D. SPACER BARS ARE REQUIRED AT PERIMETERS.
13. CENTER ALL FIRE SPRINKLER HEADS AND OTHER DEVICES 12"x12" CENTER LINE OF SUSPENSION TRACK.
14. ALL MECHANICAL ACCESS PANELS IN GWB CEILING TO BE PAINTED TO MATCH GWB CEILING PAINT FINISH.
15. PAINT ALL EXPOSED DIFFUSERS, MECHANICAL EQUIPMENT AND EXPOSED PIPES IN OPEN/EXPOSED CEILING TO MATCH PAINT CALL OUT.

RCP LEGEND

ARCHITECTURAL FINISHES

- **X-1** - OPEN TO STRUCTURE ABOVE **PAINTED** *(see finish schedule for further clarification)*
- **GWB** - GYPSUM BOARD; PAINTED
- (PX) ACCENT PAINT CALL OUT
- **ACT-1** - 2'x4' ACOUSTIC CEILING PANEL
- STRUCTURAL SYSTEM; SEE STRUCTURAL

ELECTRICAL FIXTURES

NOTE: SEE ELECTRICAL DRAWINGS FOR ALL ELECTRICAL FIXTURES

- 2X4' RECESSED INDIRECT LIGHT IN ACT
- 6" RECESSED DOWNLIGHT
- RECESSED LINEAR LIGHT
- FLUORESCENT LIGHT
- LINEAR PENDANT LIGHT
- PENDANT LIGHT
- HIGH BAY LIGHT
- (S) SPEAKER
- EXIT SIGN
- RECESSED LIGHT
- RECESSED LIGHT

NOTE: ANY LIGHT FIXTURES SHOWN SHADED, INDICATE EMERGENCY BACK UP FIXTURES; SEE ELECTRICAL

MECHANICAL FIXTURES

NOTE: SEE MECHANICAL DRAWINGS FOR ALL MECHANICAL FIXTURES

- SUPPLY DIFFUSER
- SUPPLY DIFFUSER
- R RETURN GRILLE
- E EXHAUST GRILLE

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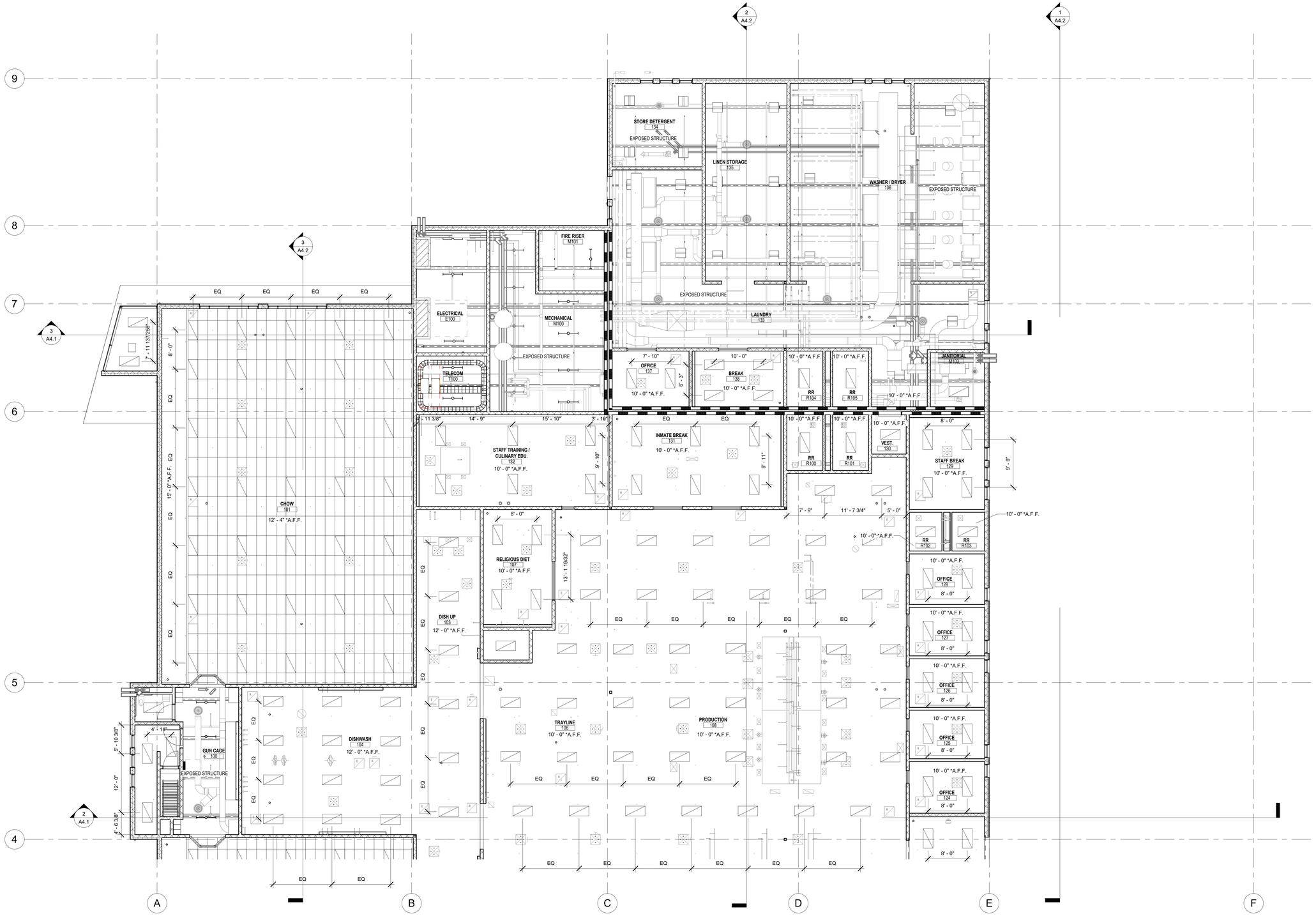
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drawing title
OVERALL REFLECTED CEILING PLAN

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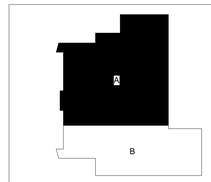
DESIGN DEVELOPMENT

drawing title
REFLECTED CEILING PLAN - AREA A

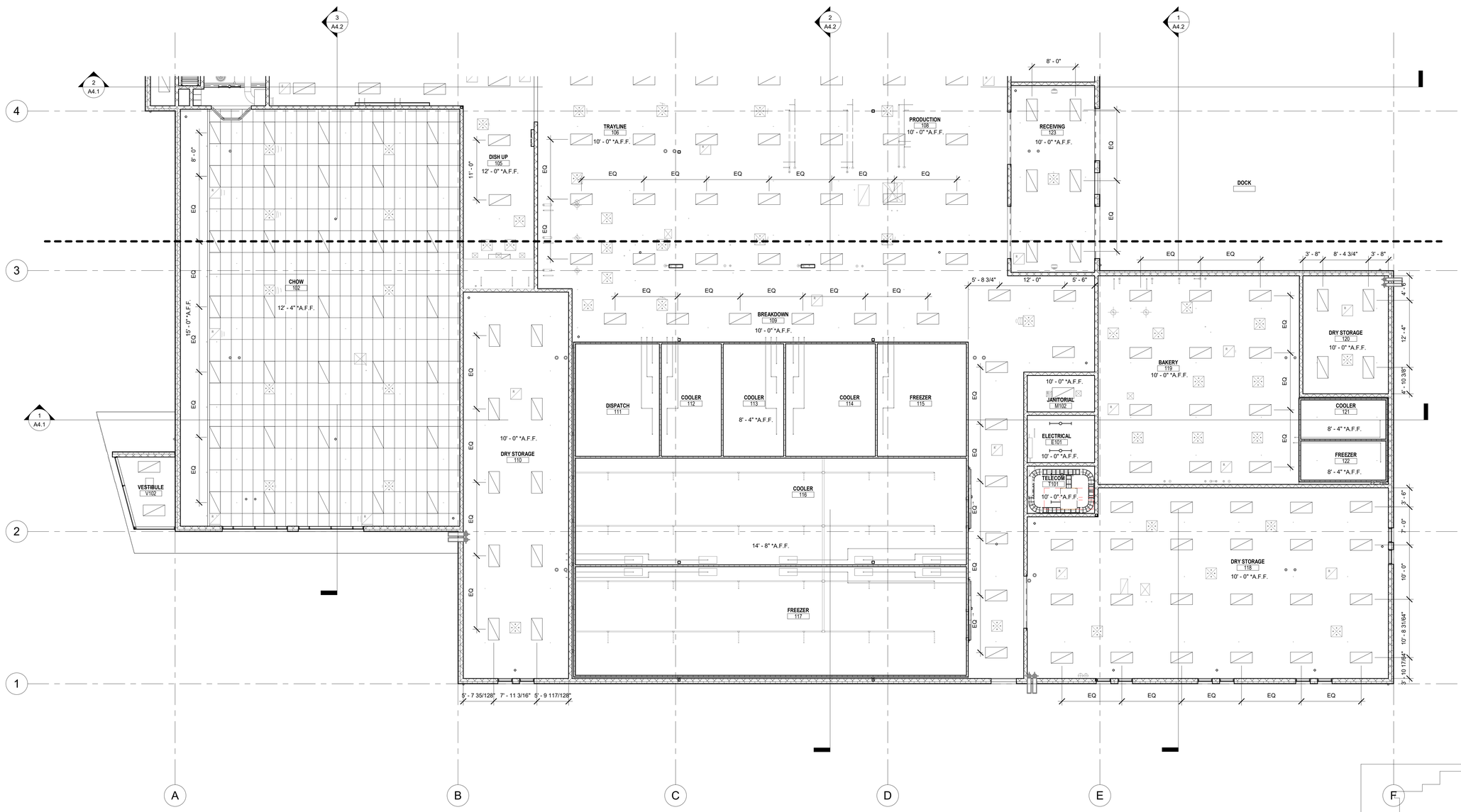
job number
25015

date
OCTOBER 13, 2026

drawing number
A3.1A



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1 BUILDING REFLECTED CEILING PLAN
1/8" = 1'-0"

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CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

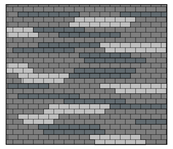
DESIGN DEVELOPMENT

drawing title
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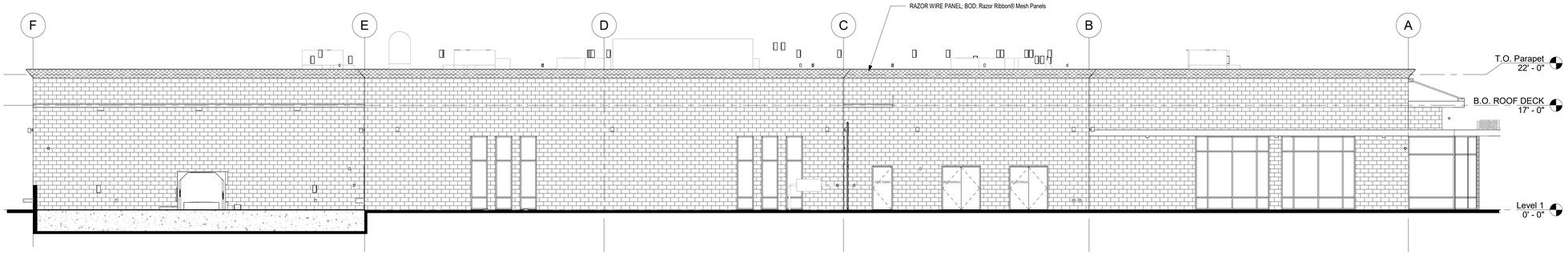
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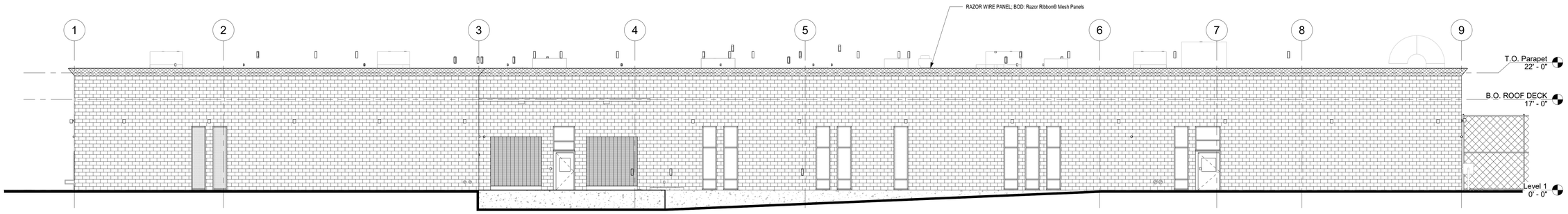
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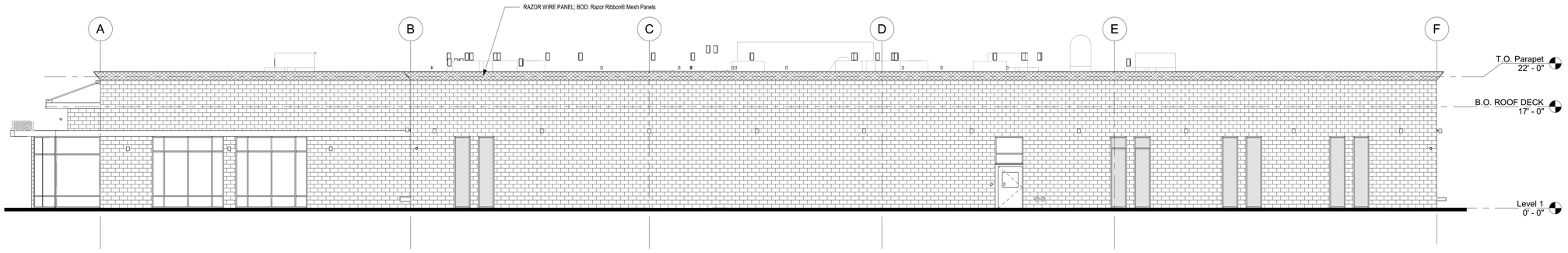
5 EXTERIOR WALL FINISH PATTERN
1/8" = 1'-0"



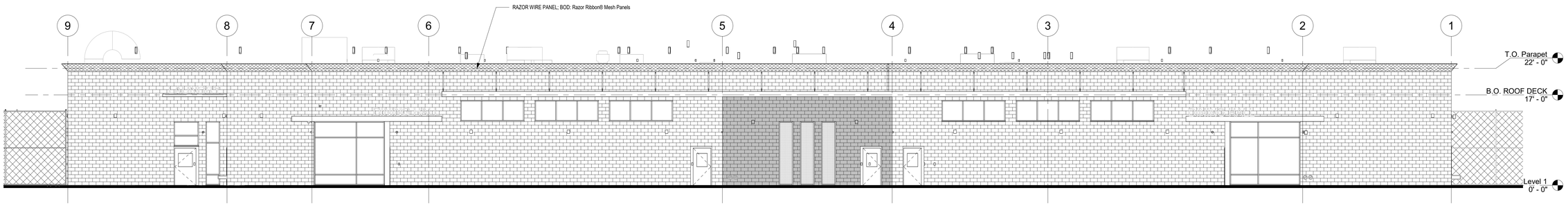
4 NORTH ELEVATION
1/8" = 1'-0"



3 EAST ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"



1 WEST ELEVATION
1/8" = 1'-0"

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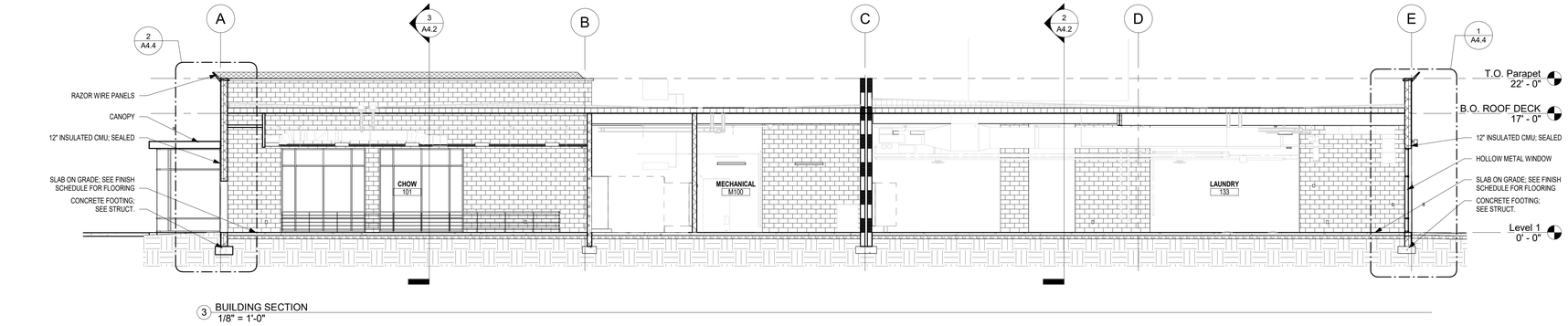
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job number
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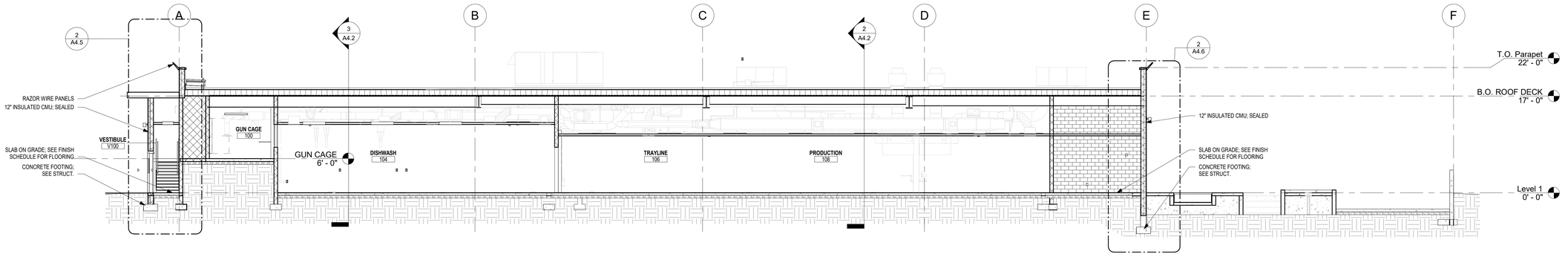
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A4.0

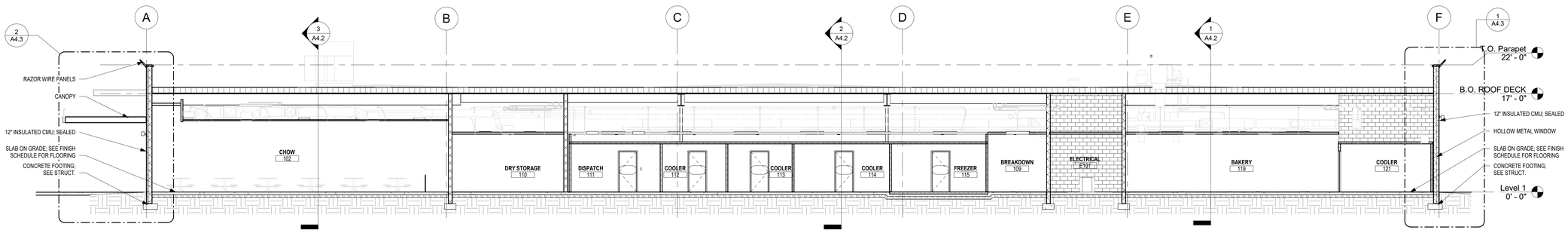
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3 BUILDING SECTION
1/8" = 1'-0"



2 BUILDING SECTION
1/8" = 1'-0"



1 BUILDING SECTION
1/8" = 1'-0"

BUILDING SECTION GENERAL NOTES

1. ONLY MAJOR MATERIALS OF EACH ASSEMBLY ARE NOTED ON THE SECTIONS. REFER TO THE REFERENCED SPECIFICATIONS AND DETAILS FOR COMPLETE ASSEMBLIES.
2. COLD FORMED METAL FRAMING AT EXTERIOR MAX. SPACING SHALL BE 16" O.C. MINIMUM STUD DEPTH SHALL BE 6" AND MINIMUM THICKNESS SHALL BE 0.0598". PROVIDE LATERAL BRACING @ MAX 4' O.C. REFER TO SECTION 05400 - COLD FORMED METAL FRAMING OF THE PROJECT MANUAL FOR DESIGN AND PERFORMANCE REQUIREMENTS.
3. GYPSUM BOARD ASSEMBLIES AT PERIMETER WALLS - PROVIDE 6" DEEP METAL STUDS AT MAX. 16" O.C. SPACING w/ CONTINUOUS WIRE MESH @ OUTSIDE FACE. PROVIDE GAGE AS REQUIRED BY DESIGN AND PERFORMANCE CRITERIA INDICATED. REFER TO SECTION 09260 - GYPSUM BOARD ASSEMBLIES OF THE PROJECT MANUAL.
4. APPLY WEATHER BARRIER @ CONCEALED EXTERIOR FACES OF SHEATHING, STRUCTURAL CONCRETE, AND PRECAST CONCRETE SUBSTRATE BEHIND METAL WALL PANELS.
5. SHEATHING & CONCEALED PRECAST CONC - SEAL ALL JOINTS INCLUDING PANEL TO PANEL JOINTS, INSIDE AND OUTSIDE CORNERS, PERIMETERS, PENETRATIONS AND ABUTMENTS TO ADJACENT MATERIALS AIR AND WATER TIGHT WITH 1 PLY SELF-ADHERING FLASHING OR OTHER APPROVED SYSTEM. IN ADDITION PROVIDE DOUBLE BEAD SILICON SEALANT AT CONCEALED PRECAST PANELS.
6. EXPOSED PRECAST PANELS - AT JOINTS PROVIDE DOUBLE BEAD OF DOW 790 OR EQUAL SILICON SEALANT AND BACKER RODS AS INDICATED. IN ADDITION, PROVIDE 1 PLY FLEXIBLE FLASHING OVER JOINT AT CONCEALED, INTERIOR FACE.
7. PROVIDE CONTINUOUS SILL PANS WITH FACTORY FABRICATED END DAMS AT SILLS OF ALUMINUM GLAZING SYSTEMS. SET IN A BEAD OF SEALANT.
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9. PROVIDE UL LISTED FIRE & SMOKE CONTAINMENT SYSTEMS BETWEEN STRUCTURE AND CURTAINWALLS TYPICAL AT EACH FLOOR AND ROOF PERIMETER. FIRE STOP ALL PENETRATIONS.
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12. PROVIDE CONCEALED SPLICE PLATES AT EXPOSED METAL FLASHINGS & COPINGS.
13. GRADE TO SLOPE AWAY FROM BUILDING, REFER CIVIL DWGS.
14. FERROUS METAL AT BUILDING EXTERIOR TO BE GALV. (ASTM G90)
15. STONE, PRECAST CONCRETE, AND CAST STONE WALLS CAPS AND COPING SHALL HAVE RAKED MORTAR JOINTS WITH SEALANT.
16. PROVIDE MASONRY UNITS WITHOUT CORES OR FROGS AND WITH EXPOSED SURFACES FINISHED FOR ENDS OF SILLS AND CAPS AND FOR SIMILAR APPLICATIONS WHICH WOULD OTHERWISE EXPOSE UNFINISHED BRICK SURFACES.

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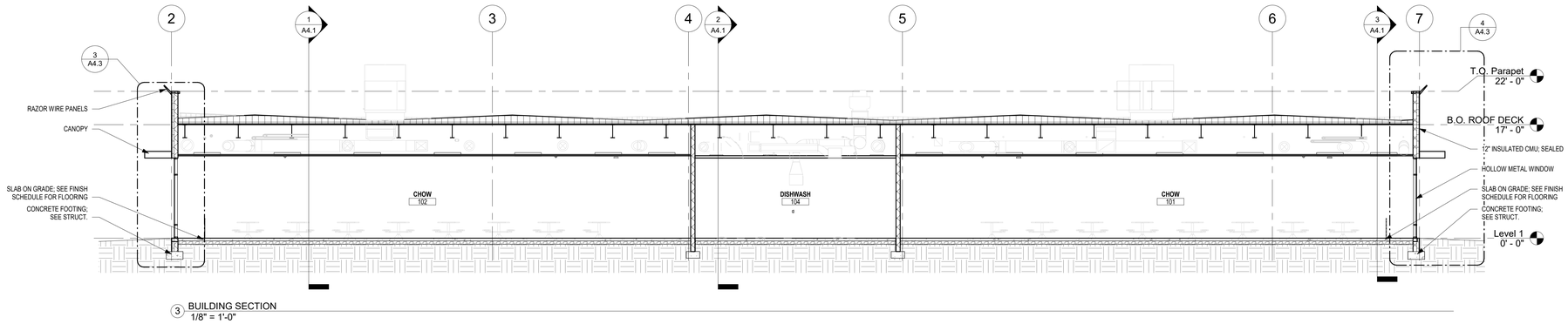
drawing title
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job number
25015

date
OCTOBER 13, 2026

drawing number
A4.1

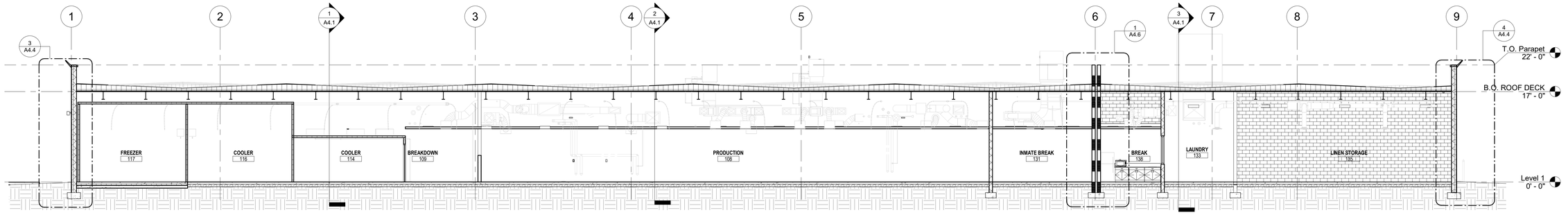
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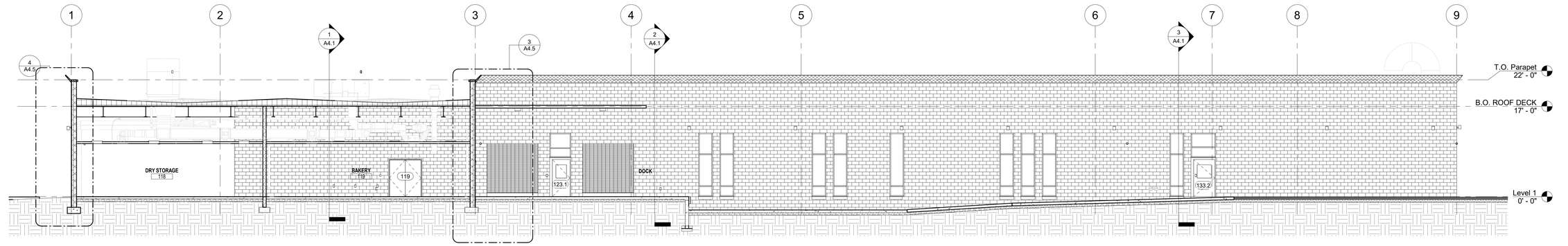
3 BUILDING SECTION
1/8" = 1'-0"

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2 BUILDING SECTION
1/8" = 1'-0"



1 BUILDING SECTION
1/8" = 1'-0"

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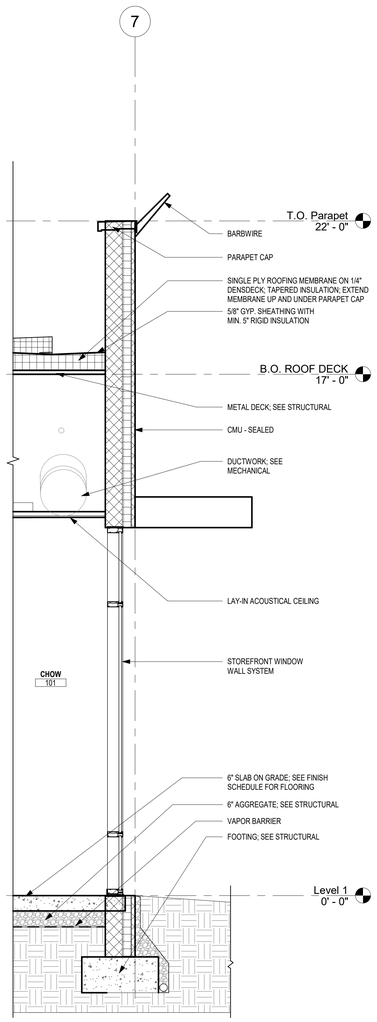
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BUILDING SECTIONS

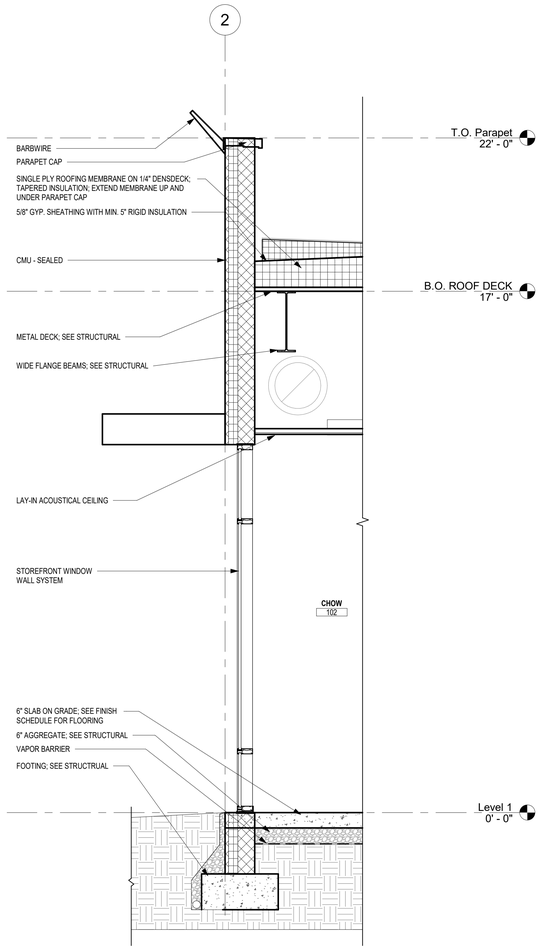
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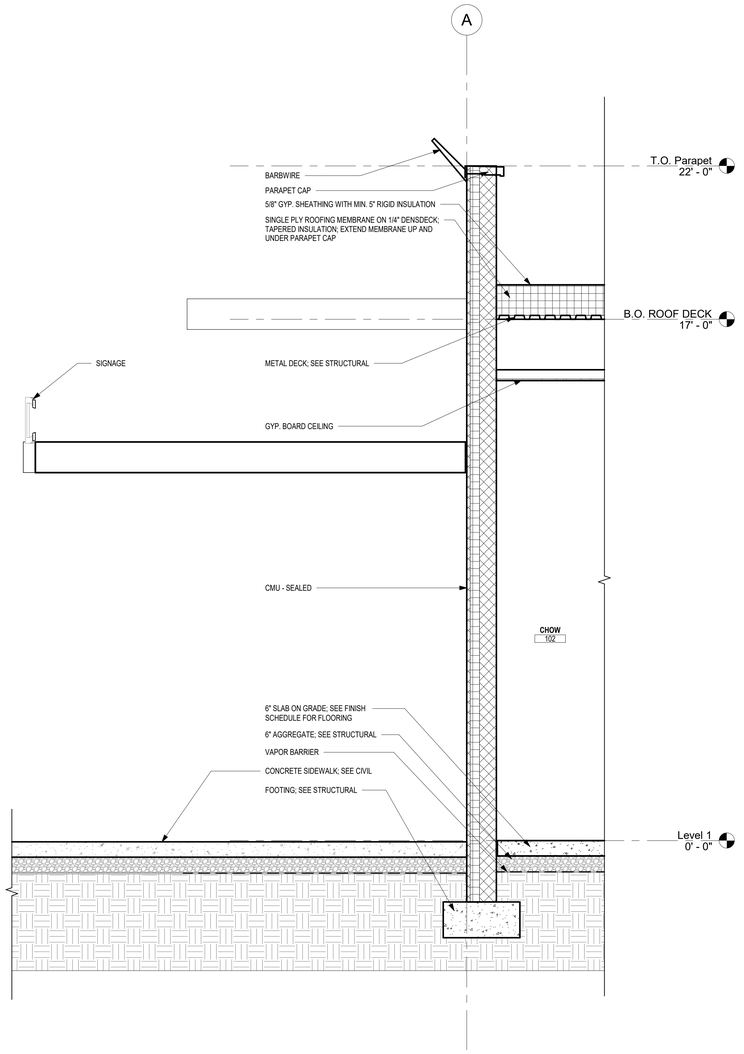
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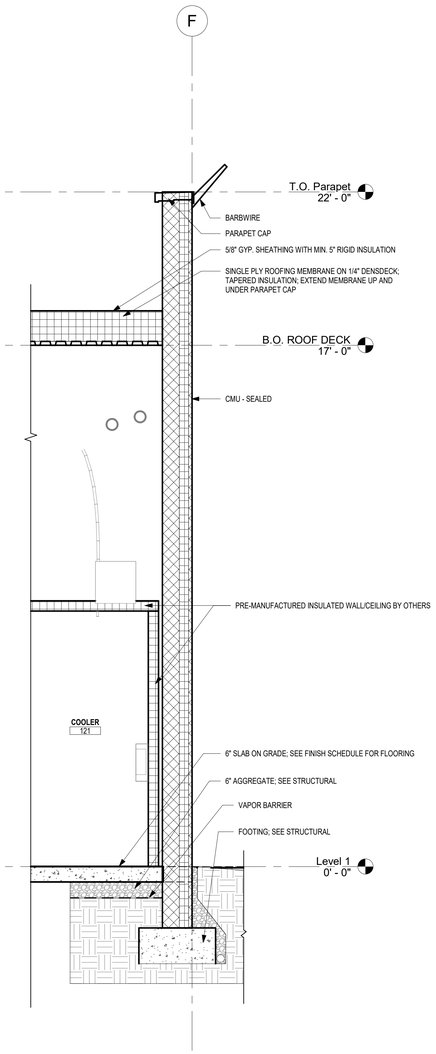
4 WALL SECTION
1/2" = 1'-0"



3 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"



1 WALL SECTION
1/2" = 1'-0"

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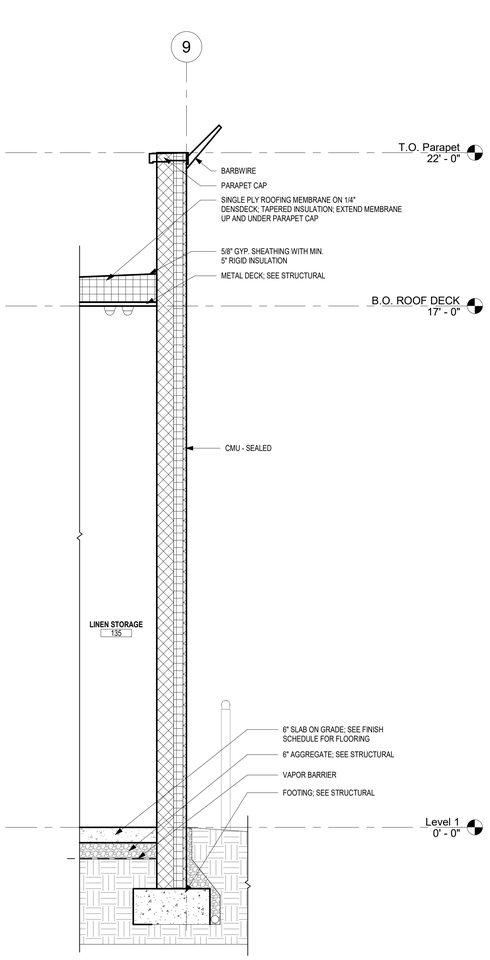
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drawing title
WALL SECTIONS

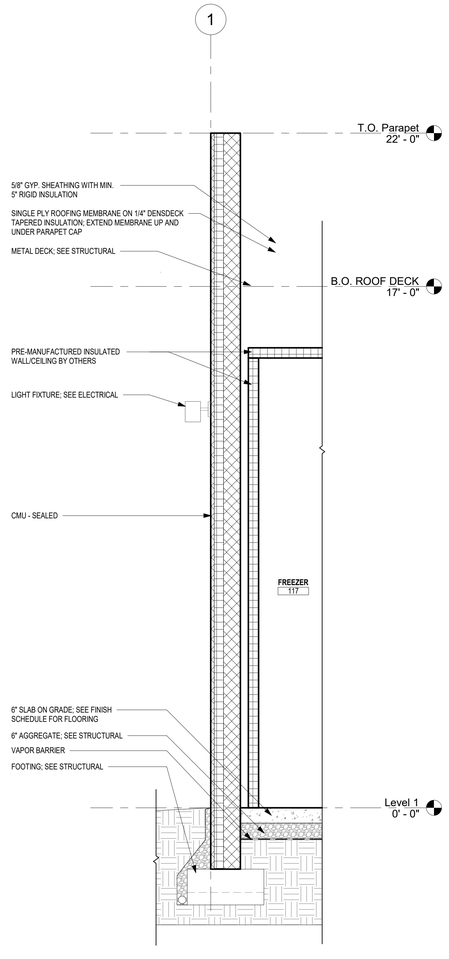
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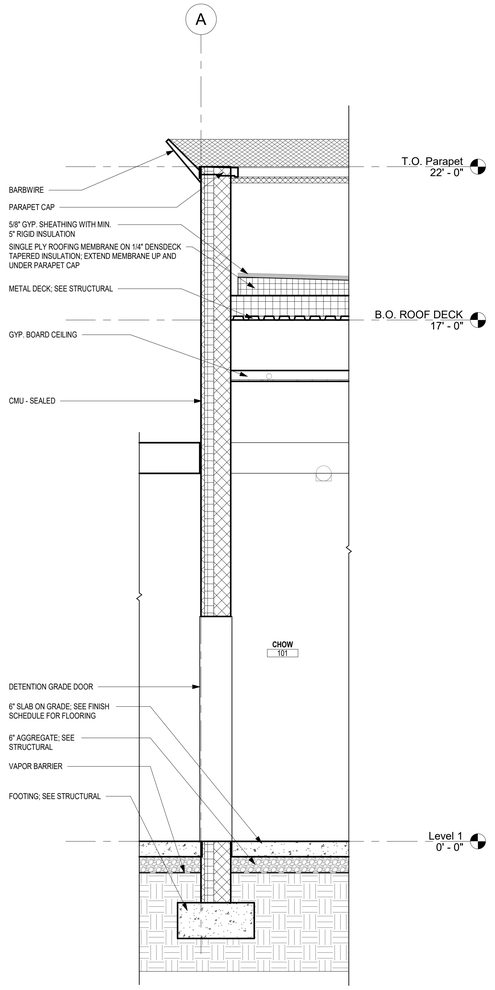
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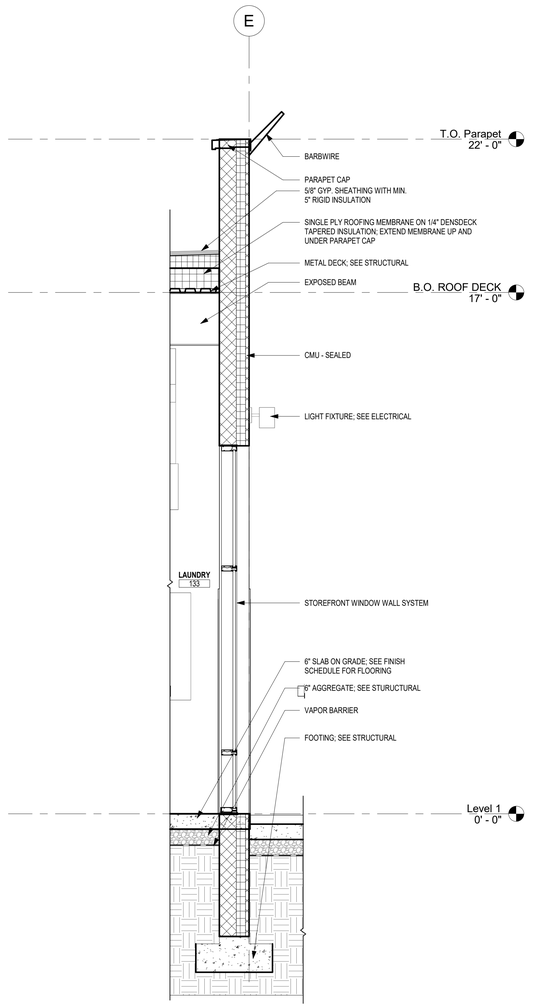
4 WALL SECTION
1/2" = 1'-0"



3 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"



1 WALL SECTION
1/2" = 1'-0"

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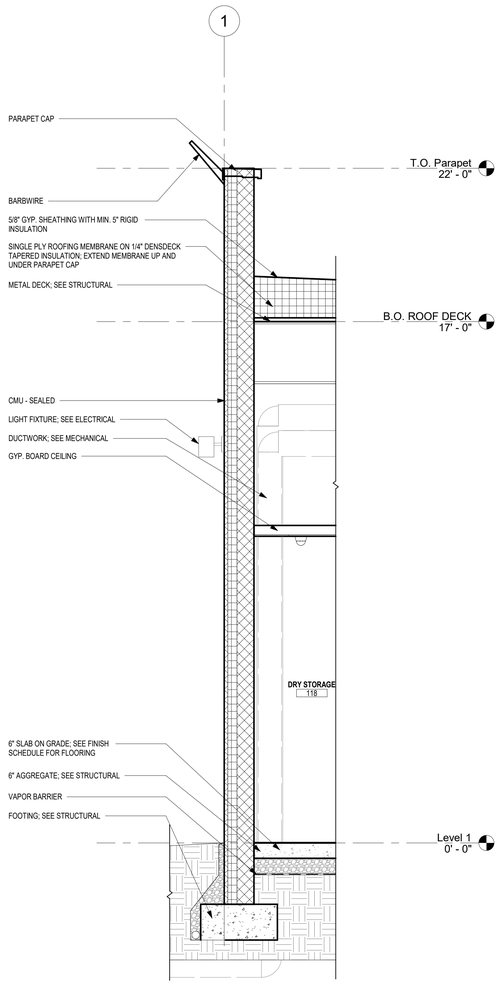
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WALL SECTIONS

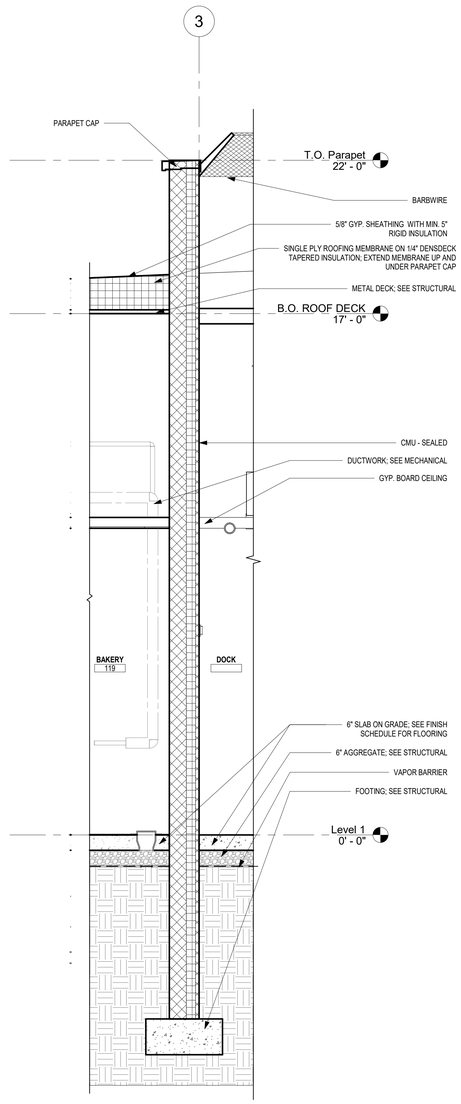
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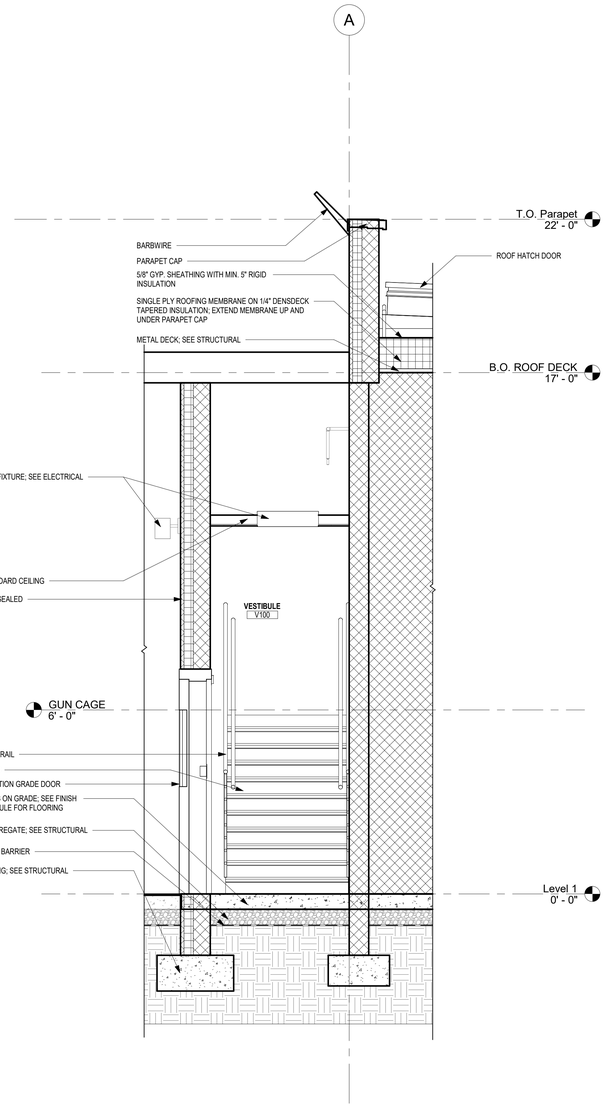
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4 WALL SECTION
1/2" = 1'-0"



3 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"

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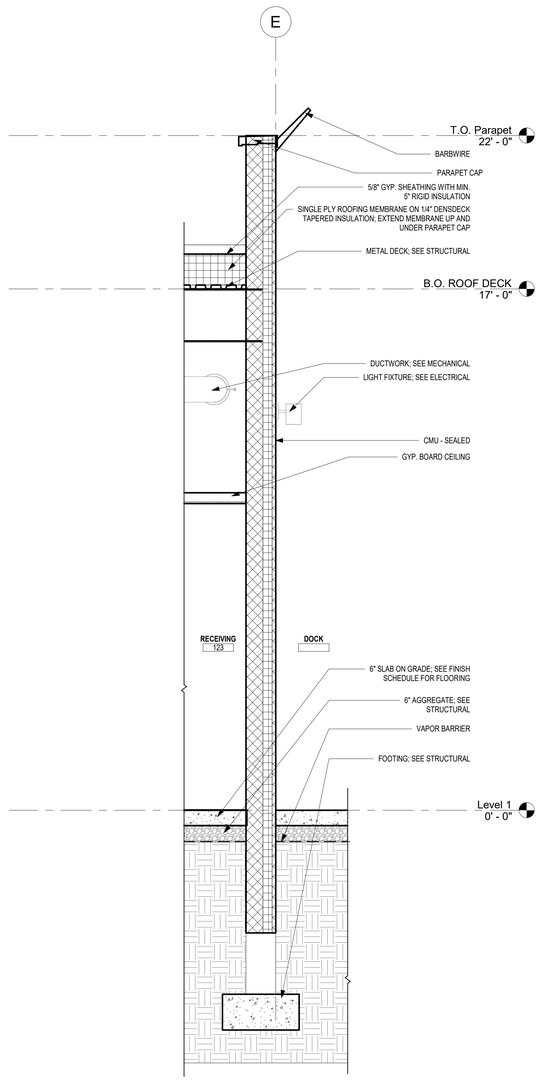
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WALL SECTIONS

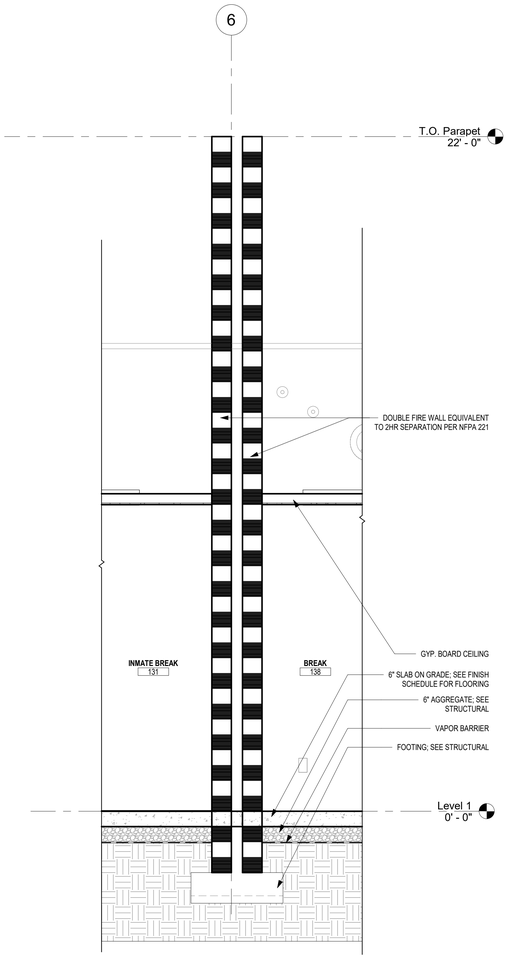
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date
OCTOBER 13, 2026

drawing number
A4.5



2 WALL SECTION
1/2" = 1'-0"



1 WALL SECTION
1/2" = 1'-0"

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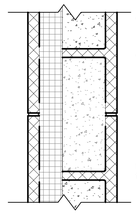
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DOOR OPENING SCHEDULE

OPENING NUMBER	FROM ROOM	TO ROOM	FIRE RATING	GLAZING	FRAME MAT'L (GAGE)	DOOR MAT'L (GAGE)	DOOR ELEV	SIZE WIDTH	SIZE HEIGHT	HDW. SET	REMARKS
Level 1											
101	CHOW 101				HM	HM	HD	3' - 4"	7' - 0"		
101.1	EXTERIOR				HM	HM	HD	3' - 4"	7' - 0"		
101.2	DISHWASH 104	CHOW 101			ALUM	FRP	F	3' - 0"	7' - 0"		
102.1	EXTERIOR				HM	HM	HD	3' - 4"	7' - 0"		
102.2	CHOW 102				HM	HM	HD	3' - 4"	7' - 0"		
102.3	DISHWASH 104	CHOW 102			ALUM	FRP	F	3' - 0"	7' - 0"		
107	RELIGIOUS DIET 107	TRAYLINE			ALUM	FRP	HG	3' - 0"	7' - 0"		
109	EXTERIOR				ALUM	FRP		4' - 0"	7' - 0"		
110	DRY STORAGE 110	BREAKDOWN 109			ALUM	FRP	DF	3' - 0"	7' - 0"		
118	BREAKDOWN 109	DRY STORGE 118			ALUM	FRP	F	3' - 0"	7' - 0"		
118.1	DRYSTORAGE 118	BREAKDOWN 109			STL	STL	OR	10' - 0"	10' - 0"		
119	BAKERY 119	BREAKDOWN 109			ALUM	FRP	DF	3' - 0"	7' - 0"		
120	DRY STORAGE 120	BAKERY 119			ALUM	FRP	F	3' - 0"	7' - 0"		
123.1	EXTERIOR	DOCK			ALUM	FRP	HD	3' - 4"	7' - 0"		
123.2	EXTERIOR	DOCK			STL	STL	OR	10' - 0"	10' - 0"		
123.3	EXTERIOR	DOCK			STL	STL	OR	10' - 0"	10' - 0"		
123.4	RECEIVING 123	DOCK			ALUM	FRP		3' - 0"	7' - 0"		
123.5	RECEIVING 123	DOCK			STL	STL	OR	10' - 0"	10' - 0"		
123.6	RECEIVING 123	DOCK			STL	STL	OR	10' - 0"	10' - 0"		
124	PRODUCTION 108	OFFICE 124			ALUM	FRP	HG	3' - 0"	7' - 0"		
125	PRODUCTION 108	OFFICE 125			ALUM	FRP	HG	3' - 0"	7' - 0"		
126	PRODUCTION 108	OFFICE 126			ALUM	FRP	HG	3' - 0"	7' - 0"		
127	PRODUCTION 108	OFFICE 127			ALUM	FRP	HG	3' - 0"	7' - 0"		
128	PRODUCTION 108	OFFICE 128			ALUM	FRP	HG	3' - 0"	7' - 0"		
129	PRODUCTION 108	STAFF BREAK 129			ALUM	FRP	HG	3' - 0"	7' - 0"		
130.1	VEST 130	LAUNDRY 133	60M		HM	HM		4' - 0"	7' - 0"		90 MIN. FR
130.2	VEST 130	LAUNDRY 133	60M		STL	STL	OR	4' - 8"	8' - 0"		
130.3	VEST 130	PRODUCTION 108			ALUM	FRP		4' - 0"	7' - 0"		
131	TRAYLINE 106	INMATE 131			ALUM	FRP	HG	3' - 0"	7' - 0"		
132	TRAYLINE 106	STAFF TRAINING / CULINARY EDU. 132			ALUM	FRP		4' - 0"	7' - 0"		
133.1	EXTERIOR				HM	HM		4' - 0"	7' - 0"		
133.2	EXTERIOR				HM	HM		4' - 0"	7' - 0"		
134	LAUNDRY 133	STORE DETERGENT 134			HM	HM	DF	3' - 0"	7' - 0"		
136	LAUNDRY 133	WASHER/DRYER 136			HM	HM	F	3' - 0"	7' - 0"		
137	LAUNDRY 133	OFFICE 137			HM	HM	HG	3' - 0"	7' - 0"		
138	LAUNDRY 133	BREAK 138			HM	HM	HG	3' - 0"	7' - 0"		
E100	EXTERIOR				HM	HM	DF	3' - 0"	7' - 0"		
E101	ELECTRICAL E101						F	3' - 0"	7' - 0"		
E102	PRODUCTION 108	ELECTRICAL E102					HG	3' - 0"	7' - 0"		
M100	EXTERIOR				HM	HM	DF	3' - 0"	7' - 0"		
M101	EXTERIOR				HM	HM	F	3' - 0"	7' - 0"		
M102	JANITORIAL M102						F	3' - 0"	7' - 0"		
M103	JANITORIAL M103	LAUNDRY 133			HM	HM	F	3' - 0"	7' - 0"		
R100	PRODUCTION 108	RESTROOM R100			ALUM	FRP	F	3' - 0"	7' - 0"		
R101	PRODUCTION 108	RESTROOM R101			ALUM	FRP	F	3' - 0"	7' - 0"		
R102	STAFF 129	RESTROOM R102			ALUM	FRP	F	3' - 0"	7' - 0"		
R103	STAFF 129	RESTROOM R103			ALUM	FRP	F	3' - 0"	7' - 0"		
R104	LAUNDRY 133	RESTROOM R104			HM	HM	F	3' - 0"	7' - 0"		
R105	LAUNDRY 133	RESTROOM R105			HM	HM	F	3' - 0"	7' - 0"		
T100	TELECOM T100	ELECTRICAL E100			HM	HM	F	3' - 0"	7' - 0"		
T101	TELECOM T101						F	3' - 0"	7' - 0"		
V100	EXTERIOR	VESTIBULE V100					HD	3' - 4"	7' - 0"		
V101	EXTERIOR				HM	HM	F	3' - 4"	7' - 0"		
V102	EXTERIOR				HM	HM	F	3' - 4"	7' - 0"		
GUN CAGE											
100	VESTIBULE V100	GUN CAGE 100					HD	3' - 4"	7' - 0"		
100A	VESTIBULE V100	ROOF ACCESS 100A					F	3' - 0"	7' - 0"		
R107	GUN CAGE 100	R.R. R107					F	3' - 0"	7' - 0"		
T.O. Parapet											
E102								3' - 0"	1' - 0 19/32"		

58

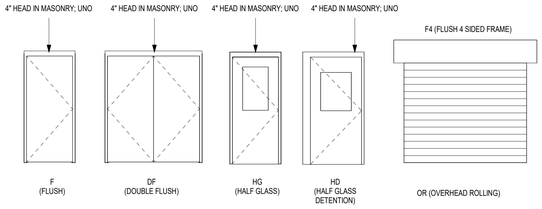
EXTERIOR WALL LEGEND



- 12" INSULATED CMU; 3" RIGID INSULATION BASIS OF DESIGN: SPEC-THERMAL HI-R-H 12-8-16
- INTERIOR FINISH

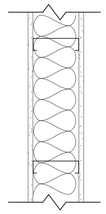
NOTES:
1. SEE INTERIOR FINISH SCHEDULE FOR FINISHES

12BL-1



Legend - Door Elevations
1/4" = 1'-0"

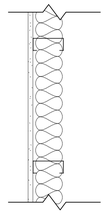
INTERIOR WALL LEGEND



- INTERIOR FINISH
- 5/8" G.W.B.
- 6" MTL. STUDS @ 16" O.C.
- 5/8" G.W.B.
- INTERIOR FINISH

NOTES:
1. SEE INTERIOR FINISH SCHEDULE FOR FINISHES AND ANY VARIATIONS TO TYP. G.W.B.
2. FILL CAVITY WITH SOUND INSULATION
3. WALLS TO BE FULLY SEALED TOP AND BOTTOM - STUDS TO BE 18 GA. MINIMUM THICKNESS

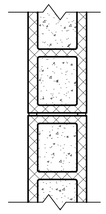
6MT-A



- INTERIOR FINISH
- 5/8" G.W.B.
- 6" MTL. STUDS @ 16" O.C.
- 5/8" G.W.B.
- INTERIOR FINISH

NOTES:
1. SEE INTERIOR FINISH SCHEDULE FOR FINISHES AND ANY VARIATIONS TO TYP. G.W.B.
2. FILL CAVITY WITH SOUND INSULATION
3. WALLS TO BE FULLY SEALED TOP AND BOTTOM - STUDS TO BE 18 GA. MINIMUM THICKNESS

6MT-B



- INTERIOR FINISH
- 6" CMU AT 6BL
- 8" CMU AT 8BL
- INTERIOR FINISH

NOTES:
1. SEE INTERIOR FINISH SCHEDULE FOR FINISHES
2. 1HR RATED ASSEMBLY AT 8BL-C

6BL-A

8BL-A 8BL-C (1HR)

Legend - Wall Types
1 1/2" = 1'-0"

DOOR & FRAME GENERAL NOTES

1. FOR GENERAL NOTES REGARDING DOORS AND DOOR FRAMES SEE DOOR HARDWARE SHEETS.
2. FOR DETAILS RELATING TO THE HEAD, JAMB, AND SILL FOR EACH DOOR TYPE, REFERENCE SHEET A8 AND A9 DETAIL SHEETS.
3. LOCATE DOOR FRAMES WITH THE HINGE SIDE OF THE JAMB 4" FROM THE CORNER OF THE SPACE UNLESS SHOWN CENTERED IN THE WALL OR DIMENSIONED OTHERWISE.
4. FIRE LABELS ARE UL CLASSIFICATIONS WITH FIRE RATINGS SHOWN IN MINUTES. FIRE RATINGS AND/OR LABELS REQUIRED FOR DOORS APPLY EQUALLY TO THE FRAME AND THE HARDWARE. ANYWHERE A RATING IS SHOWN IN THE SCHEDULE, THE APPLICABLE LABEL SHALL BE APPLIED TO THE DOOR, THE FRAME, AND THE HARDWARE THAT IS TO BE USED ON SAID DOOR.
5. SIZE ALL FRAME THROAT DIMENSIONS 1/8" GREATER THAN THE ACTUAL PARTITIONS THICKNESS. ACTUAL THICKNESS INCLUDES ALL MATERIALS LISTED IN THE PARTITION SCHEDULE PLUS ALL OTHER MATERIALS (IE: LEAD LINING, TILE ETC.) THAT ARE TO BE BUILT INTO THE PARTITION WHEN DETERMINING PARTITION THICKNESS UNLESS NOTED OTHERWISE.
6. ALL HM, WD, AND SC DOORS ARE TO BE 1 3/4" THICK UNLESS NOTED OTHERWISE.
7. THE GENERAL CONTRACTOR IS TO COORDINATE THE INSTALLATION OF CARD READERS, ELECTRONIC LOCKING DEVICES, FIRE ALARMS, AUTO OPERATORS, AND ALL OTHER MONITORING DEVICES WITH THE DOOR AND FRAME HARDWARE.
8. PROVIDE A 3/4" UNDERCUT AT ALL TOILET ROOM DOORS - TYPICAL.
9. THE UNDERCUT ON FIRE RATED DOORS SHALL NOT EXCEED 3/4".
10. ALL GLAZING USED IN DOORS SHALL BE LAMINATED TEMPERED SAFETY GLASS.
11. FOR ANY FIRE RATED DOORS THAT REQUIRE GLAZING, SAID GLAZING SHALL HAVE THE SAME RATING AS THE DOOR ITSELF WITHOUT WIRE.
12. FOR SITE ACCESS GATE DOORS REFER TO THE SITE PLAN SHEETS.
13. ALL MAG LOCKS SHALL BE SUPPLIED WITH A DC POWER ADAPTER.

FINISHES:
A. PAINT HM FRAMES U.N.O.
B. PAINT HM DOORS U.N.O.
C. FACTORY FINISH SC WOOD DOORS U.N.O.

LABELS - FIRE RATINGS:
3 HRS.
90 MIN.
45 MIN.
20 MIN.
ST - SMOKE TIGHT

MANUFACTURERS:
AB - ABH MANUFACTURING INC.
BE - BEST ACCESS SYSTEMS
BY - BY OTHERS
HG - HAGER
PE - PEMKO
PR - PRECISION
RC - RCI
RU - RUTHERFORD CONTROLS
SH - STANLEY COMMERCIAL HARDWARE
ST - STANLEY
TR - TRIMCO

FINISHES:
28 - CLEAR ANODIZED ALUMINUM
AL - ALUMINUM
600 - PRIMED FOR PAINTING
626 - SATIN CHROMIUM PLATED
630 - SATIN STAINLESS STEEL
689 - ALUMINUM PAINTED
BLK - BLACK
US26D - CHROMIUM PLATED, DULL
US32D - STAINLESS STEEL, DULL

INTERIOR DOORS

HARDWARE SET 01 (DBL. PANIC NL; CR)

ASSEMBLY TO HAVE				MFR.
2	HINGE	112HD	US28	IV
1	EXIT DEVICE	LD-99NL-990NL TRIM (RHR)	626	VD
1	EXIT DEVICE	LD99EO-990EO TRIM (LHR)	626	VD
1	MULLION	KR9854 (ELECTRIFIED)	ST	VD
1	ELEC. STRIKE	6111 (RHR)		VD
2	CYLINDER	SCHLAGE FSIC	626	SC
2	DOOR CLOSER	4040XP-3077SCNS-72MC	652	LC
1	WEATHERSTRIPPING	PER MANUFACTURER		
1	GASKETING	5110	BL	PE
2	SWEEP	315 CN		PE
1	CARD READER	BY SECURITY CONTRACTOR		
2	DOOR CONTACT	BY SECURITY CONTRACTOR		
1	MOTION DETECTOR	BY SECURITY CONTRACTOR		

HARDWARE SET 02 (DBL. STOREROOM)

ASSEMBLY TO HAVE				MFR.
4	HINGE	BB1279 4-1/2"x4-1/2"	US32D	HG
2	HINGE	BB1279 NRP 4-1/2"x4-1/2"	US32D	HG
1	LOCKSET	ND80LD RHO (RHR)	626	SC
1	FLUSH BOLT	FB51P	US32D	IV
2	DUST-PROOF STRIKE	DP2	US26D	IV
1	CYLINDER	SCHLAGE FSIC	626	SC
2	DOOR HOLDER	FS452	626	IV

HARDWARE SET 06 (SGL. ENTRY/OFFICE)

ASSEMBLY TO HAVE				MFR.
2	HINGE	BB1279 4-1/2"x4-1/2"	US32D	HG
1	HINGE	BB1279 NRP 4-1/2"x4-1/2"	US32D	HG
1	LOCKSET	ND50LD RHO	626	SC
1	CYLINDER	SCHLAGE FSIC	626	SC
1	DOOR STOP	WS401/402CCV U.N.O.	US26D	IV

HARDWARE SET 07 (SGL. STOREROOM)

ASSEMBLY TO HAVE				MFR.
2	HINGE	BB1279 4-1/2"x4-1/2"	US32D	HG
1	HINGE	BB1279 NRP 4-1/2"x4-1/2"	US32D	HG
1	LOCKSET	ND80LD RHO	626	SC
1	CYLINDER	SCHLAGE FSIC	626	SC
1	DOOR STOP	WS401/402CCV U.N.O.	US26D	IV

HARDWARE SET 08 (SGL. CLASSROOM)

ASSEMBLY TO HAVE				MFR.
2	HINGE	BB1279 4-1/2"x4-1/2"	US32D	HG
1	HINGE	BB1279 NRP 4-1/2"x4-1/2"	US32D	HG
1	LOCKSET	ND70LD RHO	626	SC
1	CYLINDER	SCHLAGE FSIC	626	SC
1	DOOR CLOSER	4040XP-3077EDA	652	LC
1	DOOR STOP	WS401/402CCV U.N.O.	US26D	IV
1	GASKETING	303 AV	BL	PE
1	DROP-BOTTOM	434. PKL		PE
1	KICKPLATE	8400 10x34	US32D	IV

HARDWARE SET 10 (SGL. STOREROOM; FIRE RATED)

ASSEMBLY TO HAVE				MFR.
2	HINGE	BB1279 4-1/2"x4-1/2"	US32D	HG
1	HINGE	BB1279 NRP 4-1/2"x4-1/2"	US32D	HG
1	LOCKSET	ND80LD RHO	626	SC
1	CYLINDER	SCHLAGE FSIC	626	SC
1	DOOR CLOSER	4040XP-3077EDA	652	LC
1	DOOR STOP	WS401/402CCV U.N.O.	US26D	IV
1	GASKETING	303 AV	BL	PE
1	SWEEP	315 CN		PE

HARDWARE SET 13 (SGL. CORRIDOR) (SINGLE STALL RESTROOM)

ASSEMBLY TO HAVE				MFR.
2	HINGE	BB1279 4-1/2"x4-1/2"	US32D	HG
1	HINGE	BB1279 NRP 4-1/2"x4-1/2"	US32D	HG
1	LOCKSET	ND73LD RHO	626	SC
1	CYLINDER	SCHLAGE FSIC	626	SC
1	DOOR STOP	WS401/402CCV U.N.O.	US26D	IV
1	GASKETING	303 AV	BL	PE
1	KICKPLATE	8400 10x34	US32D	IV
1	SWEEP	315 CN		PE

EXTERIOR DOORS

HARDWARE SET 20 (DBL. PANIC NL; CR; ADA OP.)

ASSEMBLY TO HAVE				MFR.
1	HINGE	112HD	US28	IV
1	HINGE	EPT 112HD	US28	IV
1	POWER TRANSFER	EPT-2 - CON		VD
1	EXIT DEVICE	LD99NL-990NL TRIM (RHR)	626	VD
1	LATCH RETRACTION	PD25 (RHR)		CA
1	EXIT DEVICE	LD99EO-990EO TRIM (LHR)	626	VD
1	MULLION	KR9954	ST	VD
2	CYLINDER	SCHLAGE FSIC	626	SC
1	OPERATOR	M-FORCE LE (RHR)	626	ST
1	DOOR CLOSER	4040XP-3077SCNS-72MC (LHR)	652	LC
1	THRESHOLD	271A FHSL14		PE
1	WEATHERSTRIPPING	PER MANUFACTURER		
1	GASKETING	5110	BL	PE
2	SWEEP	315 CN		PE
1	AI PHONE/INTERCOM	BY SECURITY CONTRACTOR		
1	CARD READER	BY SECURITY CONTRACTOR		
2	DOOR CONTACT	BY SECURITY CONTRACTOR		
1	MOTION DETECTOR	BY SECURITY CONTRACTOR		

HARDWARE SET 23 (DBL. STOREROOM)

ASSEMBLY TO HAVE				MFR.
4	HINGE	BB1279 4-1/2"x4-1/2"	US32D	HG
2	HINGE	BB1279 NRP 4-1/2"x4-1/2"	US32D	HG
1	LOCKSET	ND80LD RHO (RHR)	626	SC
1	FLUSH BOLT	FB51P	US32D	IV
2	DUST-PROOF STRIKE	DP2	US26D	IV
1	CYLINDER	SCHLAGE FSIC	626	SC
2	DOOR CLOSER	4040XP-3049HEDA	652	LC
1	COORDINATOR	COR	US28	IV
1	THRESHOLD	271A FHSL14		PE
1	ASTRAGAL	355CPK	C	PE
1	GASKETING	303 AV	BL	PE
2	SWEEP	315 CN		PE
2	DOOR CONTACT	BY SECURITY CONTRACTOR		

HARDWARE SET 24 (SGL. PANIC NL; CR)

ASSEMBLY TO HAVE				MFR.
2	HINGE	BB1279 4-1/2"x4-1/2"	US32D	HG
1	HINGE	BB1279 NRP 4-1/2"x4-1/2"	US32D	HG
1	EXIT DEVICE	LD99NL-990NL TRIM	626	VD
1	ELEC. STRIKE	6300		VD
1	LOCK GUARD	LG14	US32D	IV
1	CYLINDER	SCHLAGE FSIC	626	SC
1	DOOR CLOSER	4040XP-3077SCNS	652	LC
1	THRESHOLD	271A FHSL14		PE
1	GASKETING	303 AV	BL	PE
1	SWEEP	315 CN		PE
1	CARD READER	BY SECURITY CONTRACTOR		
1	DOOR CONTACT	BY SECURITY CONTRACTOR		
1	MOTION DETECTOR	BY SECURITY CONTRACTOR		

HARDWARE SET 25 (SGL. STOREROOM)

ASSEMBLY TO HAVE				MFR.
2	HINGE	BB1279 4-1/2"x4-1/2"	US32D	HG
1	HINGE	BB1279 NRP 4-1/2"x4-1/2"	US32D	HG
1	LOCKSET	ND80LD RHO	626	SC
1	CYLINDER	SCHLAGE FSIC	626	SC
1	DOOR CLOSER	4040XP-3049HEDA	652	LC
1	THRESHOLD	271A FHSL14		PE
1	GASKETING	303 AV	BL	PE
1	SWEEP	315 CN		PE
1	DOOR CONTACT	BY SECURITY CONTRACTOR		

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info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
DOOR SCHEDULE & WALL TYPES

job number
25015

date
OCTOBER 13, 2026

drawing number
A5.0

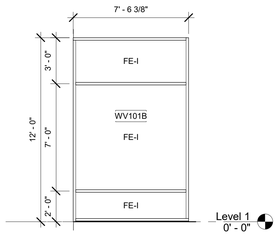
10/27/2026 2:47:19 PM

GLASS TYPES

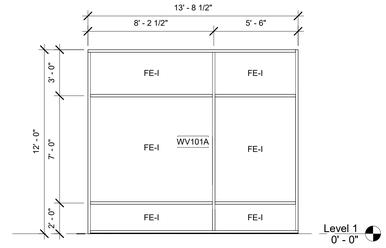
EXTERIOR
1 1/8" FORCED-ENTRY RESISTANCE INSULATED — FE-I
1 1/8" FORCED-ENTRY RESISTANCE INSULATED; FROSTED — FE-IF

INTERIOR
3/8" LAMINATED; CLEAR — L-C
9/16" FORCED-ENTRY RESISTANCE — FE-C
9/16" 45MIN. RATED — FR-1

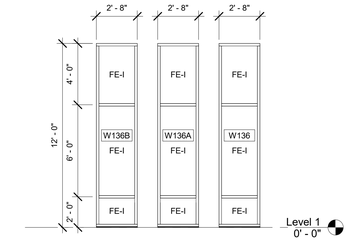
NOTE: 1. ALL GLAZING TO BE TEMPERED
2. FIELD VERIFY ALL WINDOW/CURTAINWALL OPENINGS
3. SEE DOOR SCHEDULE FOR DOOR DIMENSIONS/MATERIALS



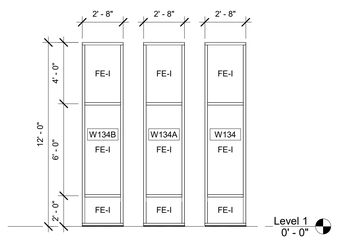
22 WV101B
1/4" = 1'-0"



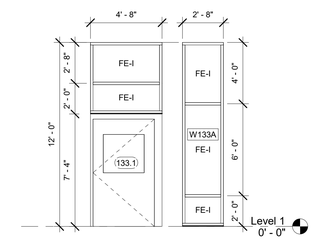
21 WV101A
1/4" = 1'-0"



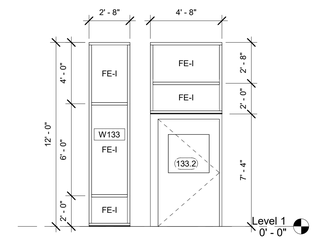
20 W136, W136A, & W136B
1/4" = 1'-0"



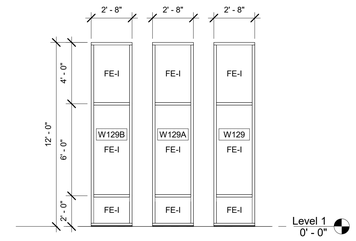
19 W134, W134A, & W134B
1/4" = 1'-0"



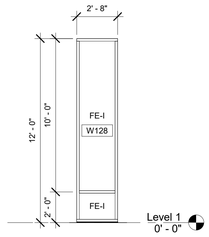
18 W133A
1/4" = 1'-0"



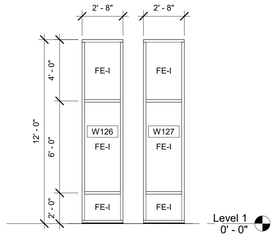
17 W133
1/4" = 1'-0"



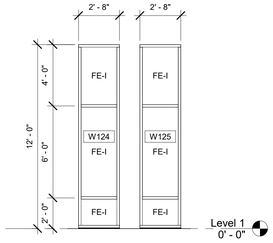
16 W129, W129A, & W129B
1/4" = 1'-0"



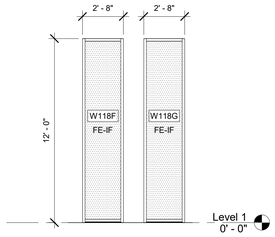
15 W128
1/4" = 1'-0"



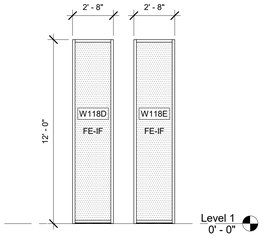
14 W126 & W127
1/4" = 1'-0"



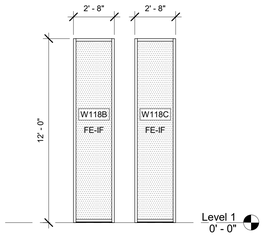
13 W124 & W125
1/4" = 1'-0"



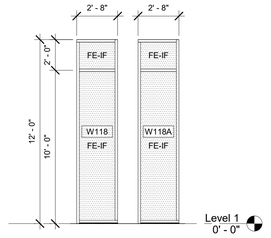
12 W118F & W118G
1/4" = 1'-0"



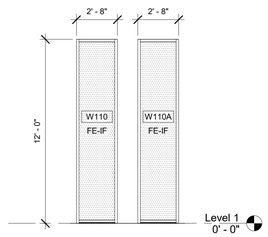
11 W118D & W118E
1/4" = 1'-0"



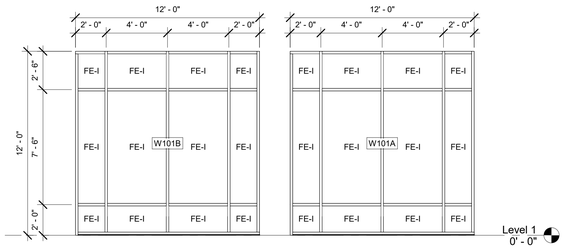
10 W118B & W118C
1/4" = 1'-0"



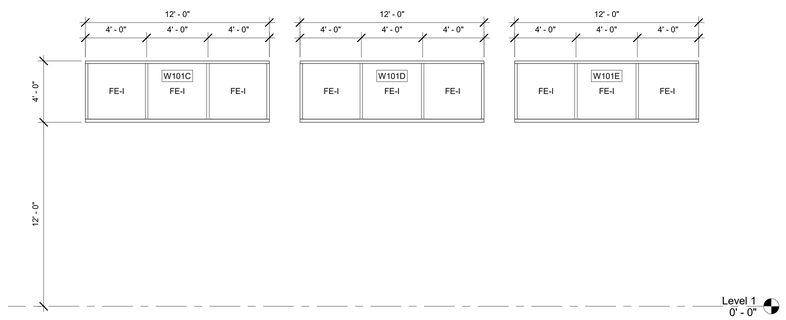
9 W118 & W118A
1/4" = 1'-0"



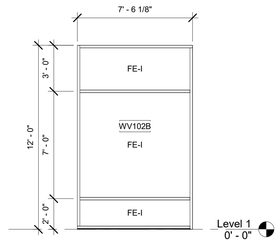
8 W110 & W110A
1/4" = 1'-0"



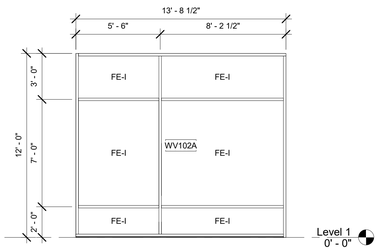
7 W101A & W101B
1/4" = 1'-0"



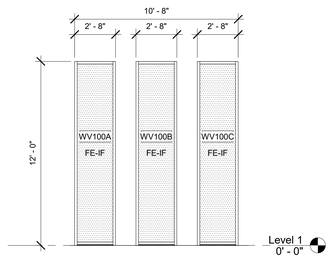
6 W101C, W101D, & W101E
1/4" = 1'-0"



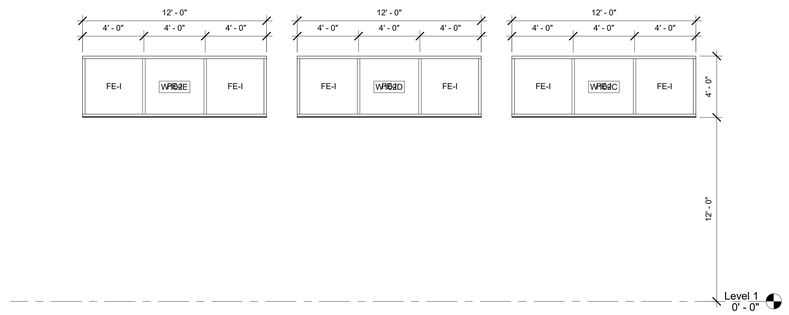
5 WV102B
1/4" = 1'-0"



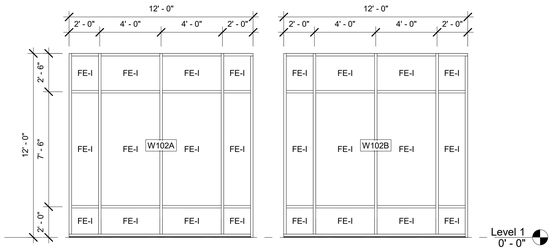
4 WV102A
1/4" = 1'-0"



3 WV100A, WV100B, & WV100C
1/4" = 1'-0"



2 W102C, W102D, & W102E
1/4" = 1'-0"



1 W102A & W102B
1/4" = 1'-0"

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

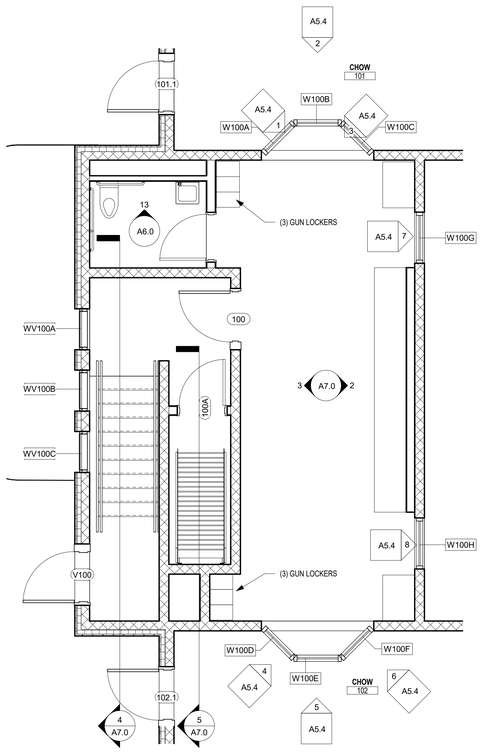
drawing title
EXTERIOR WINDOW ELEVATIONS

job number
25015

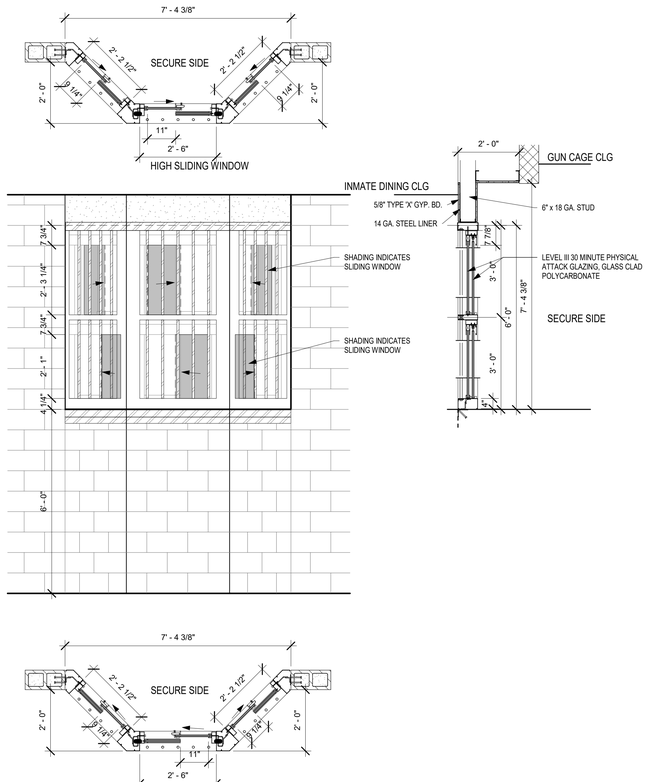
date
OCTOBER 13, 2026

drawing number
A5.3

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19 ENLARGED FLOOR PLAN - GUN CAGE
1/4" = 1'-0"



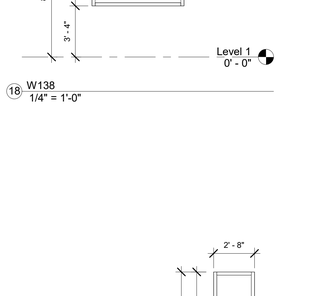
20 SLIDING WINDOW
1/2" = 1'-0"

GLASS TYPES

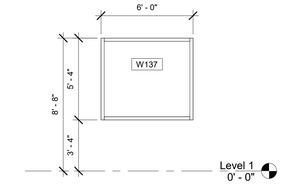
EXTERIOR
1 1/8" FORCED-ENTRY RESISTANCE INSULATED — FE-I
1 1/8" FORCED-ENTRY RESISTANCE INSULATED; FROSTED — FE-IF

INTERIOR
3/8" LAMINATED; CLEAR — L-C
9/16" FORCED-ENTRY RESISTANCE — FE-C
9/16" 45MIN. RATED — FR-1

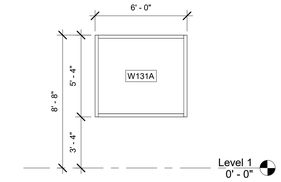
NOTE: 1. ALL GLAZING TO BE TEMPERED
2. FIELD VERIFY ALL WINDOW/CURTAINWALL OPENINGS
3. SEE DOOR SCHEDULE FOR DOOR DIMENSIONS/MATERIALS



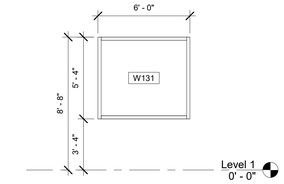
18 W138
1/4" = 1'-0"



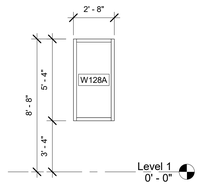
17 W137
1/4" = 1'-0"



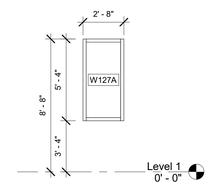
16 W131A
1/4" = 1'-0"



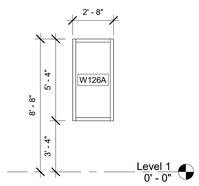
15 W131
1/4" = 1'-0"



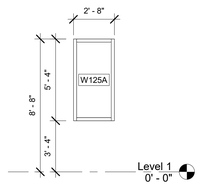
14 W128A
1/4" = 1'-0"



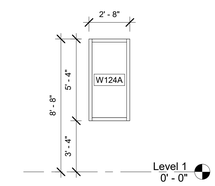
13 W127A
1/4" = 1'-0"



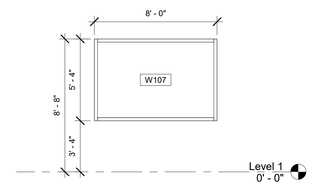
12 W126A
1/4" = 1'-0"



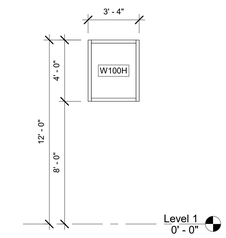
11 W125A
1/4" = 1'-0"



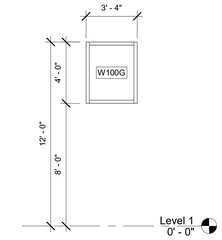
10 W124A
1/4" = 1'-0"



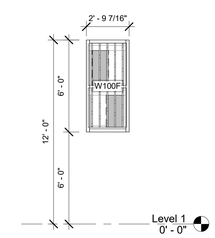
9 W107
1/4" = 1'-0"



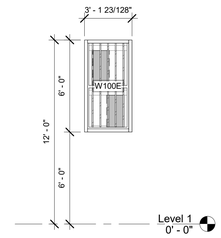
8 W100H
1/4" = 1'-0"



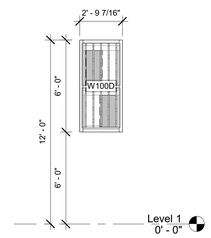
7 W100G
1/4" = 1'-0"



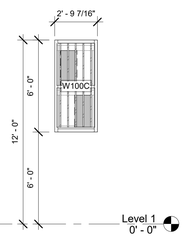
6 W100F
1/4" = 1'-0"



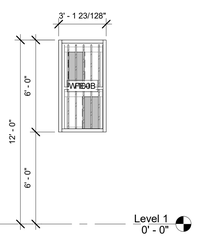
5 W100E
1/4" = 1'-0"



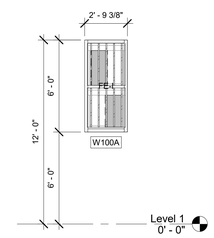
4 W100D
1/4" = 1'-0"



3 W100C
1/4" = 1'-0"



2 W100B
1/4" = 1'-0"



1 W100A
1/4" = 1'-0"

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
INTERIOR WINDOW ELEVATIONS

job number
25015

date
OCTOBER 13, 2026

drawing number
A5.4

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ROOM FINISH SCHEDULE

Room No.	Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
Level 1						
	DOCK	CONC-1	--	--	X-2	
101	CHOW	CONC-1	--	P[E]-1	GYP/ACT-1	
102	CHOW	CONC-1	--	P[E]-1	GYP/ACT-1	
103	DISH UP	RF-1	CB-1	RW-1	GYP	
104	DISHWASH	RF-1	CB-1	RW-1	GYP	
105	DISH UP	RF-1	CB-1	RW-1	GYP	
106	TRAYLINE	RF-1	CB-1	RW-1	GYP	
107	RELIGIOUS DIET	RF-1	CB-1	RW-1	GYP	
108	PRODUCTION	RF-1	CB-1	RW-1	GYP	
109	BREAKDOWN	RF-1	CB-1	RW-1	GYP	
110	DRY STORAGE	RF-1	CB-1	RW-1	GYP	
111	DISPATCH	RF-1	CB-1	RW-1	GYP	
112	COOLER	RF-1	CB-1		GYP	
113	COOLER	RF-1	CB-1		GYP	
114	COOLER	RF-1	CB-1		GYP	
115	FREEZER	RF-1				
116	COOLER	RF-1	CB-1		GYP	
117	FREEZER	RF-1				
118	DRY STORAGE	RF-1	CB-1	RW-1	GYP	
119	BAKERY	RF-1	CB-1	RW-1	GYP	
120	DRY STORAGE	RF-1	CB-1	RW-1	GYP	
121	COOLER	RF-1	CB-1		GYP	
122	FREEZER	RF-1				
123	RECEIVING	RF-1	CB-1	RW-1	GYP	
124	OFFICE	RF-1	CB-1	P-1	GYP	
125	OFFICE	RF-1	CB-1	P-1	GYP	
126	OFFICE	RF-1	CB-1	P-1	GYP	
127	OFFICE	RF-1	CB-1	P-1	GYP	
128	OFFICE	RF-1	CB-1	P-1	GYP	
129	STAFF BREAK	RF-1	CB-1	RW-1	GYP	
130	VEST.	RF-1	CB-1	RW-1	GYP	
131	INMATE BREAK	RF-1	CB-1	RW-1	GYP	
132	STAFF TRAINING / CULINARY EDU.	RF-1	CB-1	RW-1	GYP	
133	LAUNDRY	CONC-1	--	P[E]-1	X-1	
134	STORE DETERGENT	CONC-1	--	P[E]-1	X-1	
135	LINEN STORAGE	CONC-1	--	P[E]-1	X-1	
136	WASHER / DRYER	CONC-1	--	P[E]-1	X-2	
137	OFFICE	CONC-1	--	P-1	GYP	
138	BREAK	CONC-1	--	P-1	GYP	
E100	ELECTRICAL	CONC-1	--	P-1	X-1	
E101	ELECTRICAL	CONC-1	--	P-1	X-1	
E102	ELECTRICAL	CONC-1	--	P-1	X-1	
M100	MECHANICAL	CONC-1	--	P-1	X-1	
M101	FIRE RISER	CONC-1	--	P-1	X-1	
M102	JANITORIAL	RF-1	CB-1	RW-1	GYP	
M103	JANITORIAL	CONC-1	--	P-1	X-1	
R100	RR	RF-1	CB-1	RW-1	GYP	
R101	RR	RF-1	CB-1	RW-1	GYP	
R102	RR	RF-1	CB-1	RW-1	GYP	
R103	RR	RF-1	CB-1	RW-1	GYP	
R104	RR	RF-1	CB-1	RW-1	GYP	
R105	RR	RF-1	CB-1	RW-1	GYP	
T100	TELECOM	CONC-1	--	P-1	X-1	
T101	TELECOM	RF-1	CB-1	RW-1	GYP	
V101	VESTIBULE	CONC-1	--	P-1	GYP	
V102	VESTIBULE	CONC-1	--	P-1	GYP	
GUN CAGE						
100	GUN CAGE	CONC-1	--	P-1	X-1	
100A	ROOF ACCESS	CONC-1	--	P-1	X-1	
R107	R.R.	RF-1	CB-1	P[E]-1	GYP	
V100	VESTIBULE	CONC-1	--	P-1	GYP	

FINISH LEGEND

SPECIFIER'S NOTE *PRODUCT MANUFACTURES LISTED BELOW ARE 'BASIS OF DESIGN' - OR EQUALS MUST MEET ALL CRITERIA LISTED. ALL MATERIALS WITH SHOP DRAWING INDICATION ARE REQUIRED TO SUBMIT MANUFACTURE'S SHOP DRAWINGS FOR ARCHITECT/DESIGNER REVIEW AND APPROVAL PRIOR TO MATERIAL PRODUCTION.*

CONCRETE

CONC-1 — EXPOSED CONCRETE
Gloss Level: 1[flat]
Aggregate Exposure: None
Color: natural
Sealer: yes

PLASTIC LAMINATE - CASEWORK SURFACE

P.LAM-1 — PLASTIC LAMINATE — SHOP DRAWINGS REQ'D
Manufacturer: Formica
Color: Natural Ash
Finish: Woodbrush Finish
Application: Casework [Vertical Surfaces]

QUARTZ SOLID SURFACE

QSS-1 — QUARTZ SOLID SURFACE — SHOP DRAWINGS REQ'D
Manufacturer: Dekton
Style: DK Natural
Color: Radium
Finish: Suede
Slab Size: 126.77" x 57.09"
Thickness: 2cm
Edge: Mitered Edge & Demi- Bullnose

RESINOUS SEAMLESS FLOOR SYSTEM

RF-1 — RESINOUS FLOORING
MANUFACTURER: Sherwin Williams (Dur-A-Flex)
STYLE: Polycrete MDB
TOPCOAT: Colorfast Topcoat (UV Stable)
LOCATION: Floor
COLOR: Standard Color

RESINOUS SEAMLESS WALL SYSTEM

RW-1 — RESINOUS WALL SYSTEM
MANUFACTURER: Sherwin Williams (Dur-A-Flex)
STYLE: Resuwall VC
LOCATION: Wall (Full Height)
WHERE SUBSTRATE IS CEMENTITIOUS
BACKER BOARD 'PROVIDE A FIBERGLASS MAT
RECEIVER COAT AND IMBED FIBERGLASS MAT
(NOT NEEDED AT CMU SUBSTRATE)
COLOR: Standard Color

RESINOUS SYSTEM INTEGRAL WALL BASE

CB-1 — SEAMLESS TROWELED COVED BASE - 6" MIN.
MANUFACTURER: Sherwin Williams
STYLE: Seamless Integral Cove Base
Poly-Crete WR Cove
NOTES:
1. Style and color to match the assigned 'RF-1'
2. Feather between cove and wall to allow smooth transition.

ACOUSTIC CEILING TILE

ACT-1 — 2X4 METAL SECURITY CEILING
Manufacturer: Trussbilt
Style: SecureDek
Size: 24'x48'
Finish: Perforated
Suspension System:

PAINT

P1 — PAINT - GENERAL COLOR
Manufacturer: Benjamin Moore Paints
Style:
Color:
Sheen: Varies per application

P2 — PAINT - GENERAL COLOR
Manufacturer: Benjamin Moore Paints
Style:
Color:
Sheen: Varies per application

HIGH PERFORMANCE EPOXY PAINT

P[E]__ — Manufacture: Sherwin Williams
TYPE: Pro Industrial Waterbased Catalyzed Epoxy, Two-Component
COLOR: See Color Legend above for Paint colors
LOCATION: Gypsum Board Ceilings
EXAMPLE:
= PAINT - [EPOXY]
Style: See Specifications
Color: To Match **P3** Paint as described above

EXPOSED CEILING

X-1 — EXPOSED STRUCTURE/PAINTED
Paint to include: exposed ductwork, conduit, cables, cords, and anything else that may be exposed within the ceiling plane.
Paint color as indicated per plans

X-2 — EXPOSED STRUCTURE/PAINTED
Paint exterior structure and exposed structure in high moisture areas with high performance paint

CORNER GUARDS

CG.1 — CORNER GUARD — SHOP DRAWINGS REQ'D
Style: Corner - Steel 16ga.
Size: 2"x2"x6'h
Type: Raw Hot Rolled Steel
Color: Clear Matte Permalac sealer (3 coats)
-No exposed fasteners
*See Detail

CG.2 — CORNER GUARD
Style: Wall End Cap
Size: Wall thickness x 7'-2" h
(2" Return leg each side of the wall)
Type: Stainless Steel
-No exposed fasteners
*See Detail

WRITABLE WALL SURFACE [MAGNETIC]

WB-1 — MAGNETIC WRITABLE WALL SURFACE — SHOP DRAWINGS REQ'D
Manufacturer: DEKO
Style: Premier Markerboards
Glass Color: Flint
Size: 48" x 96"
*see IE's for QTY.
Corners: Crown
Accessories: Provide (1) Magnetic Accessory kits per board
Installation: Flex Fit / Side by Side
Contractor to proved additonal metal strap backing in wall. See Manufacture's installation recommendations.
-*Premium Marker Rail" to be provided and installed at all bottom edges

GENERAL FINISHES

GYPSUM WALL BOARD

GWB-1 — GYPSUM WALL BOARD -
Finishing Level: **Level 5**
**Level 3 @ Storage, Electrical, Mechanical, Telecom, It, & Janitors closets.*
Texture: Smooth [Painted]
Level 5 Required @ any and all finishes that require substrate to be a Level 5 Finish

Type 'X' 5/8":
Location/Use: All general conditions that are not exceptions of the types called out below

Moisture & Mold Resistant:
Location/Use: Semi-wet areas that are called out as:
-Restroom Ceilings
-Epoxy Paint or HP-1

Cementitious Water Resistant Backing Board:
Location/Use: Wet areas that are called out with
- RW-1

Notes: Installer to provide proposed locations of all necessary control joints for Architect's approval

WINDOW WALL SYSTEM

W-1 — STOREFRONT WINDOW WALL SYSTEM — SHOP DRAWINGS REQ'D
WINDOW WALL - Floor to Ceiling
Color: CLEAR ANODIZED

DOORS

FRP DOORS
MANUFACTURER: Special-Lite
STYLE: Sandstone - Textured FRP
COLOR:

HOLLOW (HM) DOORS AND FRAMES
COLOR: Painted [P2]
SHEEN: Semi-Gloss

FRAMES

ALUMINUM DOOR FRAMES
MANUFACTURER:
STYLE:
COLOR:

HOLLOW (HM) DOORS AND FRAMES
COLOR: Painted [P2]
SHEEN: Semi-Gloss

EXPOSED STRUCTURAL ELEMENTS

INTERIOR COLUMNS + BEAMS + METAL DECK
Color: To Match P-1 U.N.O.
Finish: Semi Gloss @ Columns
Flat @ Beams + Metal Deck
(Include any ductwork, pipes, conduit, mech, ect.)

STEEL RAILING/STAIR COMPONENTS (Int.)
Color: To Match [P2] @ all structure associated with stair system
Finish: See Specifications
*See Sheet A7.# for construction details

HM DOOR & FRAMES (Int.)
Color: To Match [P2] U.N.O.
Finish: See Specifications
HM WINDOW FRAMES (Int.)
Color: To Match [P2]
Finish: See Specifications

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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
ROOM FINISH & MATERIAL SCHEDULES

job number
25015

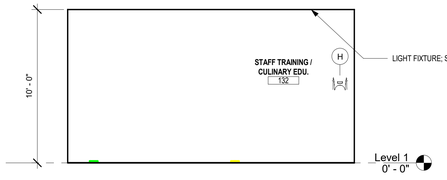
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drawing number
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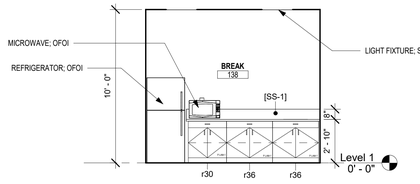
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TOILET ACCESSORIES SCHEDULE			
	DESCRIPTION	ITEM #	MOUNTING HEIGHT
G	HANDICAP GRAB BAR - 36X54 HORZ.		33" TO CENTER
GV	HANDICAP GRAB BAR - 18" VERT.		40" TO BOTTOM
M	MIRROR WITH STAINLESS STEEL CHANNEL FRAME (1'-6" x 3'-0")		38" TO BOTTOM
N	PARTITION MOUNTED SANITARY NAPKIN DISPOSAL		30" TO TOP
P	SURFACE MOUNTED TOILET TISSUE DISPENSER W/SHELF		15" TO BOTTOM
SS	SURFACE MOUNTED SOAP DISPENSER	SEE PLUMBING DRAWINGS	
T	RECESSED PAPER TOWEL DISPENSER		54" TO TOP
W	FLOOR-STANDING LARGE-CAPACITY WASTE RECEPTACLE		FREE STANDING
US	UTILITY SHELF WITH MOP/BROOM HOLDERS AND RAG HOOKS		60" TO TOP

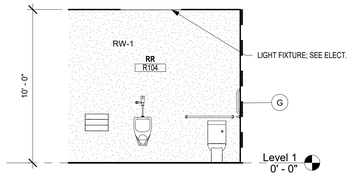
Legend - Toilet Accessory Schedule
1/4" = 1'-0"



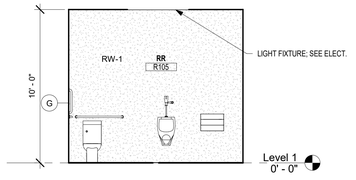
12 IE - 132 STAFF TRAINING/CULINARY EDU
1/4" = 1'-0"



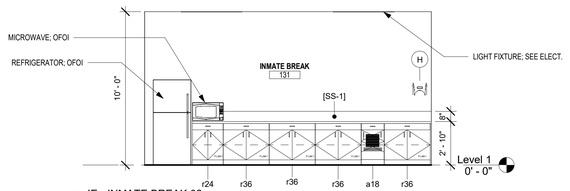
11 IE - 138 BREAK 04
1/4" = 1'-0"



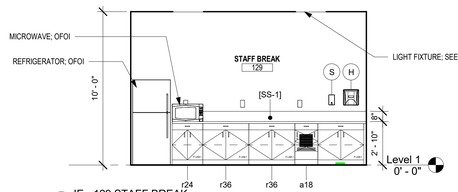
10 IE - R104 RESTROOM (RR) 02
1/4" = 1'-0"



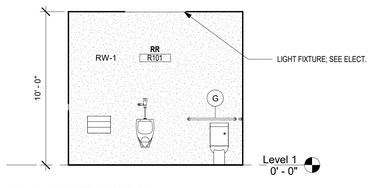
9 IE - R105 RESTROOM (RR) 04
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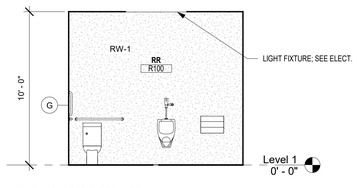
8 IE - INMATE BREAK 02
1/4" = 1'-0"



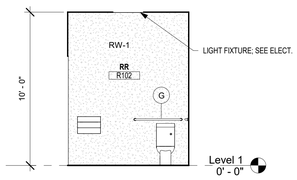
7 IE - 129 STAFF BREAK
1/4" = 1'-0"



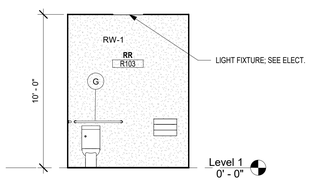
6 IE - R101 RESTROOM (RR) 04
1/4" = 1'-0"



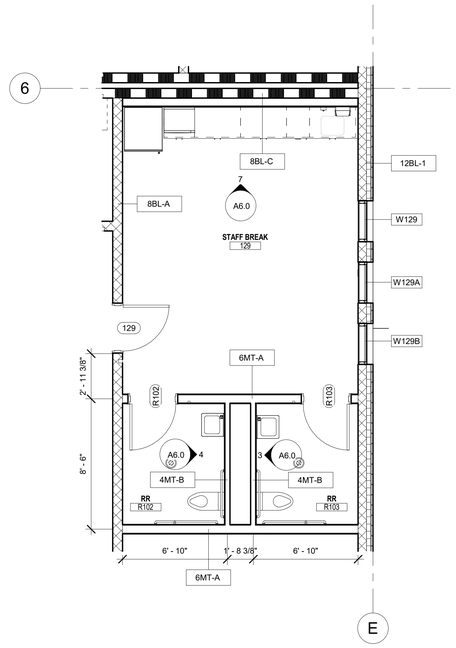
5 IE - R100 RESTROOM (RR)
1/4" = 1'-0"



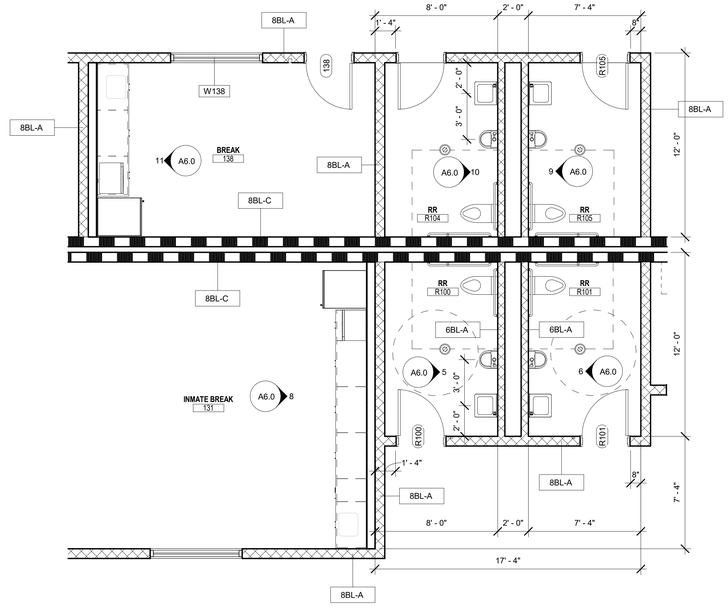
4 IE - R102 RESTROOM (RR)
1/4" = 1'-0"



3 IE - R103 RESTROOM (RR)
1/4" = 1'-0"



2 EP - STAFF BREAK/RESTROOMS AREA A
1/4" = 1'-0"



1 EP - INMATE BREAK/RESTROOMS AREA A
1/4" = 1'-0"

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#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

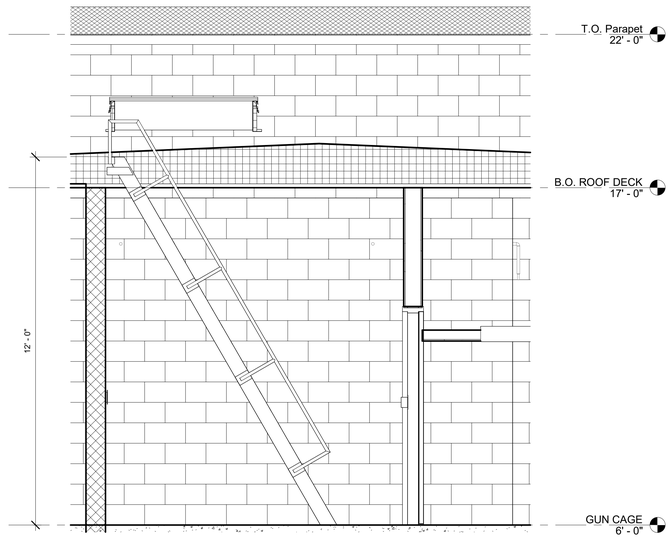
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ENLARGED RESTROOMS

job number
25015

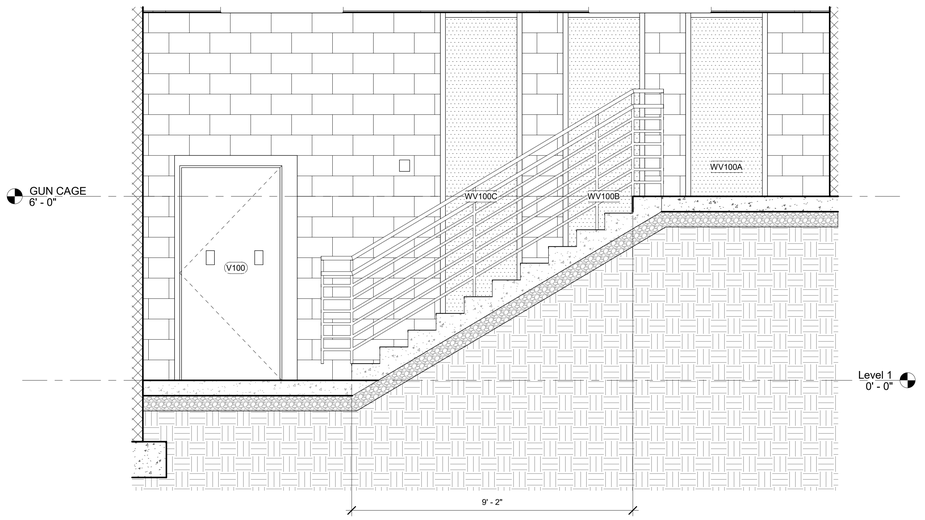
date
OCTOBER 13, 2026

drawing number
A6.0

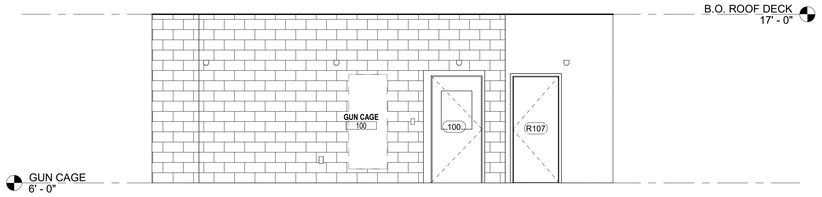
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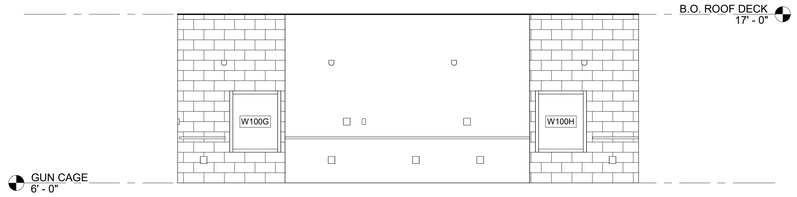
5 CS - 100A ROOF ACCESS
1/2" = 1'-0"



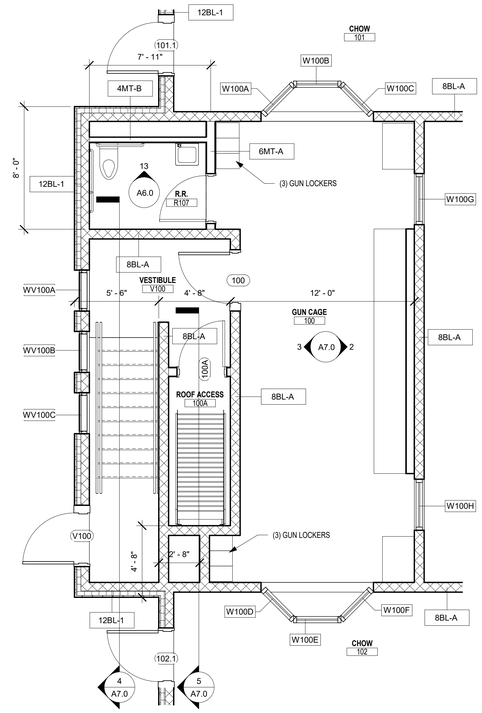
4 CS - V100 VESTIBULE
1/2" = 1'-0"



3 IE - 100 GUN CAGE WEST
1/4" = 1'-0"



2 IE - 100 GUN CAGE EAST
1/4" = 1'-0"



1 EP - GUN CAGE
1/4" = 1'-0"

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STATE OF NEVADA
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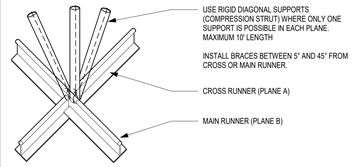
DESIGN DEVELOPMENT

drawing title
CIRCULATION PLANS - GUN CAGE

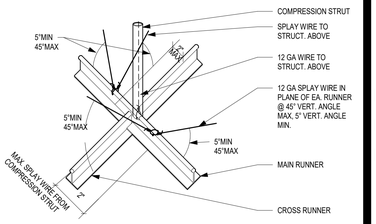
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date
OCTOBER 13, 2026

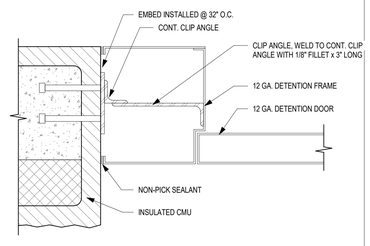
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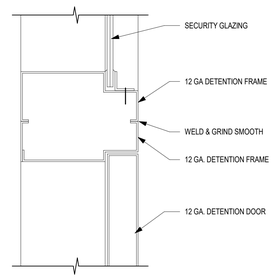
10 TYPICAL SWAY BRACE ATTACHMENT @ ACT FRAMING CONDITION 8B - DIAGONAL BRACE
1" = 1'-0"



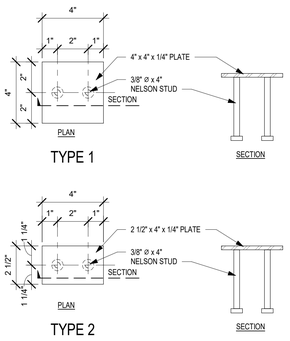
5 DIAGONAL WIRE BRACE
N.T.S.



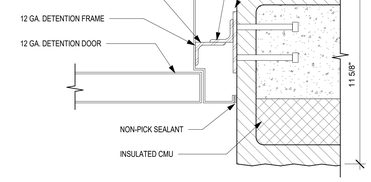
8 DETENTION FRAME JAMB - STRIKE- INSULATED CMU
3" = 1'-0"



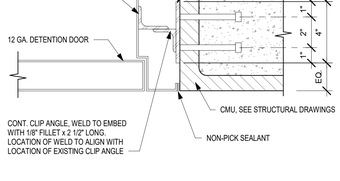
3 DETENTION FRAME HEAD - TRANSOM
3" = 1'-0"



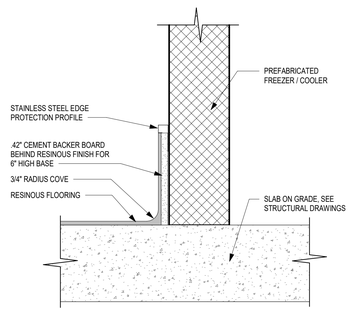
11 EMBEDS
3" = 1'-0"



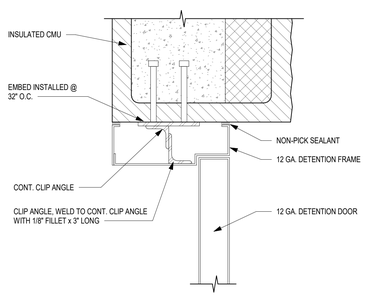
7 DETENTION FRAME JAMB - HINGE - INSULATED CMU
3" = 1'-0"



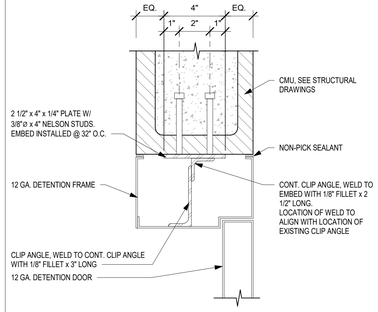
2 DETENTION FRAME JAMB - CMU
3" = 1'-0"



16 COVED BASE AT FREEZER / COOLER
3" = 1'-0"



6 DETENTION FRAME JAMB - HEAD - INSULATED CMU
3" = 1'-0"



1 DETENTION FRAME HEAD - CMU
3" = 1'-0"

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CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
INTERIOR DETAILS

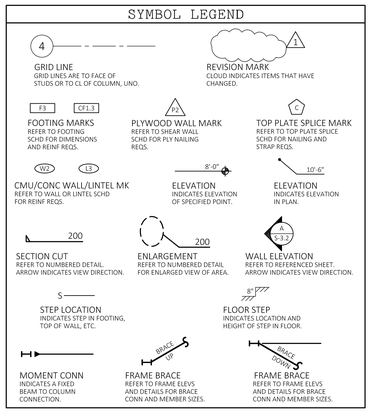
job number
25015

date
OCTOBER 13, 2026

drawing number
A9.1

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SYMBOL LEGEND



STRUCTURAL ABBREVIATIONS

AB	Anchor Bolt	L	Angle (steel shape), Length
ABV	Above	LAM	Laminated
ADDL	Additional	LAT	Lateral
ADJ	Adjacent	LBS	Pounds
AFF	Above Finish Floor	LL	Double Angle (steel)
AGGR	Aggregate	LLH	Long Leg Horizontal
AL	Aluminum	LLV	Long Leg Vertical
ALT	Alternate	LNTL	Lintel
ANCH	Anchor	LOC	Location
APPD	Approved	LONGIT	Longitudinal
APPROX	Approximate	LP	Low Point
AR	Anchor Rod	LS	Lag Screw
ARCH	Architectural	LSH	Long Slotted Hole
ASSY	Assembly	LSL	Laminated Strand Lumber (Timberstrand)
AVG	Average	LVL	Laminated Veneer Lumber (Microllam)
		LWC	Light Weight Concrete
B-B	Back-to-Back		
BC	Bottom Chord	MANUF	Manufactured
BEL	Below	MAS	Masonry
BLDG	Building	MAX	Maximum
BLK	Block	MB	Machine Bolt
BLKG	Blocking	MBR	Member
BM	Beam	MECH	Mechanical
BN	Boundary Nailing	MEMB	Membrane
BO	Bottom of...	MFR	Manufacturer
BOD	Bottom of Deck	MIN	Minimum
BOF	Bottom of Footing	MISC	Miscellaneous
BP	Button Punch	MO	Masonry Opening
BRG	Bearing	MTL	Metal
BRK	Brick		
BS	Both Sides	(N)	New, New Construction
BTM	Bottom	NIC	Not In Contract
BTWN	Between	NO. or #	Number
		NOM	Nominal
(C+n)	Camber (n = camber amount)	NTS	Not To Scale
C	Channel (steel)		
CALCS	Calculations	OC	On Center
CBC	California Building Code	OD	Outside Diameter
C-C	Center to Center	OF	Outside Face
CIP	Cast-In-Place	O-O	Out-to-Out
CJ	Ceiling Joist, Construction Joint	OPNG	Opening
CL	Centerline	OPP	Opposite
CLG	Ceiling		
CLR	Clear	PAF	Powder-Actuated Fastener
CMU	Concrete Masonry Unit	PAR	Parallel
CN	Continuous Edge Nailing	PART	Partition
COL	Column	PC	Pipe Column (steel)
CONC	Concrete	P/C	Precast Concrete
CONN	Connection	PCF	Pounds per Cubic Foot
CONSTR	Construction	PEN	Penetration
CONT	Continuous	PERP	Perpendicular
CTJ	Control Joint	PL	Plaster
CTR	Center	PJF	Premolded Joint Filler
CTSK	Countersink	PL	Plate
CU	Cubic	PLAS	Plaster
		PLY	Plywood
d	Penny (Nail Size)	PNL	Panel
D	Deep, Depth	PREFAB	Prefabricated
DBA	Deformed Bar Anchor	PREMANUF	Premanufactured
DBL	Double	PSF	Pounds per Square Foot
DCTJ	Doweled Control Joint	PSI	Pounds per Square Inch
DEFL	Deflection	PSL	Parallel Strand Lumber (Parallam)
DEMO	Demolish, Demolition	PT	Pressure Treated
DEPR	Depressed	PVMT	Pavement
DF-L	Douglas Fir-Larch		
DIA	Diameter	R	Radius, Ridge
DIAG	Diagonal	RC	Reinforced Concrete
DIAPH	Diaphragm	REF:	Refer to...
DIM	Dimension	REBAR	Reinforcing Bar
DIR	Direction	RECT	Rectangular
DN	Down	REINF	Reinforcement
do	Ditto	REQ	Require
DTL	Detail	REQD	Required
DWG	Drawing	REQS	Requirements
DWL	Dowel	RET	Return
		REV	Reversed
(E)	Existing, Existing Construction	RO	Rough Opening
EA	Each	RR	Roof Rafter
EB	Expansion Bolt	RS	Rough Sawn
EF	Each Face	RTU	Roof-Top Unit
EJ	Expansion Joint		
EL	Elevation	SCHD	Schedule
ELEC	Electrical	SDS	Simpson StrongDrive Screw
ELEV	Elevation, Elevator	SDSMS	Self-Drilling Sheet Metal Screw
EMBD	Embed, Embedment	SECT	Section
EN	Edge Nailing	SEIS	Seismic
ENGR	Engineer	SET	Simpson SET Anchor
EO	Edge of...	SET-XP	Simpson SET-XP Anchor
EOD	Edge of Deck	SF	Square Feet
EOS	Edge of Slab	SHT	Sheet
EQ	Equal	SHTG	Sheathing
EQPMT	Equipment	SIM	Similar
ES	Each Side	SIMP	Simpson Strong-Tie
EW	Each Way	SMS	Sheet Metal Screw
EXCAV	Excavate	SMU	Solid Masonry Unit (clay)
EXP	Expansion	SOG	Slab-on-Grade
EXT	Exterior	SP	Spiral
		SPA	Spacing
(P+n)	Drag Force (n = Design Force)	SPECD	Specified
FAB	Fabricate	SPECS	Specifications
FD	Floor Drain	SPF	Spruce-Pine-Fir
FDN	Foundation	SQ	Square
F-F	Face-to-Face	SS	Stainless Steel
FF	Finish Floor	SSH	Short Slotted Holes
FIL	Fillet	SSJ	Seismic Separation Joint
FIN	Finish, Finished	STD	Standard
FJ	Floor Joist	STFNR	Stiffener
FLR	Floor	STGRD	Staggered
FN	Field Nailing	STL	Steel
FO	Face of...	STR	Straight
FOC	Face of Concrete	STRUCT	Structural
FOS	Face of Studs	SUPP	Support
FRC	Fiber Reinforced Concrete	S/W	Shear Wall
FRMG	Framing	SYMM	Symmetrical
FS	Full Size		
FT	Feet	T&B	Top and Bottom
FTG	Footing	T&G	Tongue & Groove
FV	Field Verify	TC	Top Chord
		THK	Thick
GA	Gauge	THKND	Thickend
GALV	Galvanized	THKNS	Thickness
GLB	Glulam Beam	THRD	Threaded
GLC	Glulam Column	THRU	Through
GRBM	Grade Beam	TJI	Trus-Joist Wood I-Joist
GRD	Grade	TO	Top of...
GRT	Grout	TOB	Top of Beam
GRTG	Grating	TOC	Top of Concrete
GVL	Gravel	TOD	Top of Deck
GYP	Gypsum	TOF	Top of Footing
GYPBD	Gypsum Board Sheathing	TOS	Top of Steel
		TOW	Top of Wall
(H)	Horizontal Reinforcement	TR	Threaded Rod
H	Height, HIgh, Hip	TRANS	Transverse
HDR	Header	TSW	Top Seam Weld
HEX	Hexagonal	TYP	Typical
HK	Hook		
HMU	Hollow Masonry Unit (clay)	UBC	Uniform Building Code
HNGR	Hanger	UNO	Unless Noted Otherwise
HORIZ	Horizontal	UTIL	Utility
HP	Heavy Pile (steel), High Point		
HSA	Headed Stud Anchor	(V)	Vertical Reinforcement
HSS	Hollow Structural Section (steel)	V	Valley
HT	Height	VB	Vapor Barrier
HVAC	Heating, Ventilating & Air Conditioning	VERT	Vertical
IBC	International Building Code	W	Wide Flange (steel), Width
ICF	Insulating Concrete Form	W/	With
ID	Inside Diameter	W/O	Without
IF	Inside Face	WD	Wood
IN	Inches	WF	Wide Flange (steel)
INSUL	Insulation	WP	Waterproof, Work Point
INT	Interior	WS	Waterstop
		WT	Tee (steel)
JST	Joist	WWF	Welded Wire Fabric
JT	Joint		
		YD	Yard
K	Kilopound (Kip) (1000 Lbs)		
KSF	Kips per Square Foot		
KSI	Kips per Square Inch		

STRUCTURAL NOTES

1. GENERAL

1.1. Promptly report any discrepancy found among the Drawings, the Project Specifications, these Structural Notes, and the site conditions to the Architect, who will issue correction for such discrepancy in writing. Any work done by the Contractor after the discovery of such discrepancy is at the Contractor's own risk. Verify and coordinate the dimensions among all drawings prior to proceeding with any work or fabrication.

1.2. Do not scale working dimensions from the drawings.

1.3. Field verify all dimensions. Pay particular attention to approximate dimensions marked with the symbol +.

1.4. Construction or details for elements or portions of the work not specifically shown shall be similar to construction or details shown.

1.5. Standard details and schedules (100-series) apply to the work in general and may not be specifically referenced on the drawings. Determine where each standard detail or schedule applies prior to proceeding with the work.

Promptly notify the Engineer if conditions are found which are not specifically detailed and for which no standard detail or schedule applies.

1.6. Where the Specifications, these Notes, or the drawings conflict, use the more restrictive criteria, unless directed otherwise by the Engineer.

1.7. Coordinate with electrical and mechanical contractors for blockouts, conduits, pipe sleeves, embedded items, etc., to be embedded in concrete or masonry, as well as openings in the structure for mechanical and electrical installations.

1.8. Submit shop drawings of all fabricated items for review prior to fabrication. A registered Professional Engineer, licensed to practice in the state in which the construction is located, shall seal all calculations and shop drawings for Contractor-designed elements.

Submittals not approved and stamped by the Contractor will be cause for rejection without action.

Include erection and fabrication drawings in shop drawing submittals.

1.9. Contractor shall provide and maintain adequate erection shoring and bracing as required for stability and protection of the structure during all phases of construction. Contractor is responsible for the design and installation of all required cribbing, sheathing and shoring.

2. DESIGN AND CONSTRUCTION [IBC Ch 16]

2.1. All design, materials and workmanship shall be in accordance with the following:

a. 2024 International Building Code (IBC), as amended by the 2024 Northern Nevada Code Amendments.

b. Nevada State Public Works Division Adopted Standards.

c. Other codes and standards as specified herein and in the contract documents. All codes and standards shall be the most current edition as of the date of these drawings.

d. For manufactured systems, the manufacturer shall establish the location of the Project and shall design all components in accordance with all codes and standards adopted by the governing code agency or Building Official.

2.2. An ICC Evaluation Service(ICC-ES)or IAPMO Uniform Evaluation Service (IAPMO-UES) report is required for all manufactured materials that are not covered by an appropriate section in the IBC. Such report shall indicate the allowable design loads, acceptable applications, installation requirements, and special inspection requirements, if applicable.

Materials requiring an ICC-ES or IAPMO-UES report include, but are not limited to:

Post-installed anchors, including adhesive anchors
Framing hardware
Non-shrink grout
Mechanical couplers for rebar
Power-actuated fasteners (PAF)
Self-drilling sheet metal screws (SDSMS)
Manufactured Architectural systems and components

2.3. Design Loads:

a. Roof Snow Load:

Risk Category		III
Ultimate Ground Snow Load, Pg		48 psf
ASD Ground Snow Load, Pga		33.6 psf
Snow Exposure Factor, Ce		1.0
Thermal Factor, Ct		1.12
Ultimate Flat-Roof Snow Load, Pf		37.6 psf
ASD Flat-Roof Snow Load, Pfa		26.3 psf
Roof Slope Factor, Cs		1.0
Ultimate Sloped-Roof Snow Load, Ps		37.6 psf
ASD Sloped-Roof Snow Load, Psa		26.3 psf
Ultimate Drift Surcharge, Pd		23.1 psf
ASD Drift Surcharge, Pda		16.2 psf
Drift Width, w		6.8 feet
Winter Weather Parameter, W2		0.25

b. Roof Rain Load:

15-min. Rainfall Intensity, 1	3.46 in/hr
Return Period	200 years

c. Minimum Design Roof Dead Load:

Roof beams and girders	35 psf
Photovoltaic Panel Systems	10 psf

d. Floor Live Load:

Slabs-on-Grade	150 psf
	Slabs-on-grade are not designed as structural diaphragms, unless specifically indicated on the drawings.

e. Earthquake Design:

Risk Category		III
Seismic Importance Factor, Ie		1.25
Mapped Spectral Acceleration,	Ss	2.23 g
	S1	0.70 g
Site Class		Default
Spectral Response Coefficient,	SDS	1.56 g
	SD1	1.09 g
Seismic Design Category		D
Analysis Method		Equivalent Lateral Force Procedure (ASCE 7-22, Sec. 12.8)
Basic Seismic-Force-Resisting System		Special Reinforced Masonry Shear Walls
Response Modification Factor, R		5
Seismic Response Coefficient, Cs		0.390
Design Base Shear, V		xxx kips

f. Wind Design:

Risk Category	III
Basic Wind Speed, V	130 mph
ASD Wind Speed, Vasd	101 mph
Exposure Category	C
Directionality Factor, Kd	0.85
Topographic Factor, Kzt	1.0
Ground Elevation Factor, Ke	1.0
Gust Effect Factor, G	0.85
Analysis Method	Directional Procedure (ASCE 7-22, Chapter 27)
Internal Pressure Coefficient, GCpi	0.18

Components and Cladding

Wall Elements (Ultimate level; + Inward, - Outward)			
Inward, Zones 4 and 5	10 sf	+35.1 psf	
	100 sf	+29.9 psf	
	500 sf	+27.5 psf	
Out, Middle, Zone 4	10 sf	-38.0 psf	
	100 sf	-32.8 psf	
	300 sf	-30.4 psf	
	500 sf	-29.2 psf	
Out, Corners, Zone 5	10 sf	-46.8 psf	
	100 sf	-36.5 psf	
	300 sf	-31.5 psf	
	500 sf	-29.2 psf	
Dimension "a"		9.2 feet	
Roof Elements (Ultimate level; + Inward, - Outward)			
Uplift, Zone 1'	100 sf	-35.1 psf	
	300 sf	-27.3 psf	
	500 sf	-23.7 psf	
	1000 sf	-18.8 psf	
Uplift, Zone 1	10 sf	-61.1 psf	
	100 sf	-47.7 psf	
	300 sf	-41.3 psf	
	500 sf	-38.3 psf	
Uplift, Zone 2	10 sf	-80.6 psf	
	100 sf	-63.4 psf	
	300 sf	-55.1 psf	
	500 sf	-51.3 psf	
Uplift, Zone 3	10 sf	-109.8 psf	
	100 sf	-75.4 psf	
	300 sf	-59.0 psf	
	500 sf	-51.3 psf	

g. Deflection and Drift Criteria

Vertical Deflection:	
Framing at exterior windows and non-bearing walls were designed for a maximum SERVICE (ASD) live load vertical deflection of	1/2 in
Drift:	
The lateral load resisting system was designed for a maximum horizontal story drift, due to FACTORED (ULTIMATE) wind and seismic loads, of	
North-South Direction	1.5 %
East-West Direction	1.5 %

Windows and non-bearing wall systems shall be designed and detailed to accommodate the above specified deflection and drift criteria.

3. FOUNDATIONS [IBC Ch 18]

3.1. Refer to the Geotechnical Report regarding conditions and recommendations for this site:

GEOTECHNICAL REPORT IS PENDING

3.2. Foundations and retaining systems were designed for the following values:

Element	Design Value	Increase for Wind/Seismic
Allowable Soil Bearing Pressure	2500 psf	1.33
Passive Pressure	150 pcf	
Friction	0.25	
Retaining, Active	45 pcf	
Retaining, At Rest	60 pcf	
Subgrade Modulus	150 psi/in	
Minimum depth of footing:		
Adjacent to Exterior Grade	24" Min	
Interior Grade/SOG	12" Min	

3.3. Before commencing any earthwork, verify locations of all underground utilities or structures and do not perform any work that will damage or interfere with utilities or structures.

3.4. Follow the recommendations in the Geotechnical Report regarding site preparation, backfill, select fill, etc.

3.5. Footing excavations shall be neat and true, with all loose material and standing water removed before footing concrete is placed.

The Geotechnical Engineer shall review excavations to ensure compliance with the intent of the Geotechnical Report.

3.6. Provide for proper de-watering of excavations from surface water, ground water, seepage, etc.

3.7. Earth forms may be used for footings only where the soil is firm and stable and the concrete will not be exposed. Concrete surfaces within 6" of finished grade are considered exposed surfaces. Where earth forms are used, the excavation shall be at least 2" wider than specified.

3.8. Do not backfill basement walls which are supported by elevated structural floors or roofs until the slab-on-grade and elevated slab (if concrete) have been placed and have attained 75 percent of the design strength, but not less than (4) days.

In lieu of the above, basement walls may be backfilled before completion of the supporting floors or roofs provided temporary shoring is installed. The Contractor is responsible for the design and construction of such shoring.

3.9. Use only structural fill as backfill against basement and retaining walls. The first 24" of fill placed directly against the wall shall consist of drainage rock or, alternatively, an approved drainage fabric may be applied to the face of the wall. Install a minimum 4" diameter perforated drain pipe near the top of footing in the backfill, and slope the pipe to a sump or to daylight. Where indicated on the drawings, 4" weeps at 10'-0" may be used in lieu of the drain pipe.

3.10. Place all foundations on firm, undisturbed earth. Fill holes due to removal of large rocks or over-excavation with concrete.

3.11. Place all loose soil and fill, including backfill behind walls, in 6" maximum lifts and compact to at least 95 percent of maximum density.

3.12. Foundations at the building perimeter shall be protected against water infiltration, seepage, and surface and subsurface flow, in accordance with IBC 1804 and 1805.

4. REINFORCED CONCRETE [IBC Ch 19]

4.1. All Concrete work and materials shall conform to IBC Ch. 19, ACI 318-19, ACI 301-20, ACI 305R-20, and ACI 306R-16.

Bar supports, detailing, placing, etc., shall comply with the provisions and recommendations contained in the Concrete Reinforcing Steel Institute "Manual of Standard Practice."

4.2. Concrete properties and composition shall be as follows:

Property	Class A	Class B	Class C
28-day f'c	4000 psi	4000 psi	4500 psi
Slump, max.	3"	4"	4"
W/C	0.55	0.44	0.45
Air Content(1)	NAE	3½ max.(2)	6½ +/- 1½(3)
Unit Wt.(4)	145 pcf	145 pcf	145 pcf
Shrinkage(5)	NR	0.00055	0.00055
Cement(6)	Type II/IL	Type II/IL	Type II/IL

Class A: Footings, UNO.
Class B: Interior slabs-on-grade.
Class C: Concrete exposed to weather, exterior walls, exterior slabs-on-grade, etc.

Notes:
(1) Air content per ASTM C231 or C173. (NAE = Non-air-entrained.)
(2) Non-air-entrained concrete with air content not to exceed 3.0 percent.
(3) Air content 6½ +/- 1½ for 3/4" and larger aggregate, 7 +/- 1½ for 1/2" aggregate.
(4) Aggregate per ASTM 318, Sec. 3.3.
(5) Shrinkage at 28 days (in/in) per ASTM C157. Shrinkage test results shall be included in mix design submittals. (NR = No Requirement)
(6) ASTM C150, C595, or C1157, as appropriate.

4.3. The slumps indicated above are for unplasticized concrete. Larger slumps may be attained through the use of a superplasticizer.

4.4. Admixtures for concrete shall comply with ACI 318 Sec. 26.4.1.5.

4.5. Evaluation and acceptance of concrete shall conform with ACI 318 Sec. 26.12. In addition to the two 6x12 in. cylinders or the three 4x8 in. cylinders required, make two additional cylinders (total of four 6x12 in. cylinders or the five 4x8 in. for each test). One cylinder shall be tested at 7 days.

If the 7-day break is less than 80 percent of the specified 28-day strength, the Contractor shall investigate and make any corrections or changes as necessary to ensure future concrete will reach the specified strength.

If the average of the 28-day strengths is below the acceptable limits, test the remaining cylinder at 56 days.

4.6. Cold weather construction: Concrete that is to be placed during freezing or near-freezing weather shall comply with the requirements of ACI 318 Sec. 26.5.5.4.2 and ACI 306R.

Adequate equipment shall be provided for heating concrete materials and protecting concrete during freezing or near-freezing weather. Concrete materials and reinforcement, forms, fillers, and ground with which concrete is to come in contact shall be free from frost. Frozen materials or materials containing ice shall not be used.

4.7. Hot weather construction: Concrete that is to be placed during hot weather shall comply with the requirements of ACI 318 Sec. 26.5.5.2 and ACI 305R.

Proper attention shall be given to ingredients, production methods, handling, placing, protection, and curing to prevent excessive concrete temperature or water evaporation that could impair required strength or serviceability.

4.8. Prior to placing concrete, approval shall be obtained from the Engineer or local building agency for sleeves, openings, or other attachments not shown on the drawings.

4.9. Use the following cover on reinforcement in cast-in-place concrete, unless noted otherwise on the drawings:

3"	Concrete cast against and permanently exposed to earth.
2"	Concrete exposed to earth or weather, #6 bars or larger.
1-1/2"	Concrete exposed to earth or weather, #5 bars and smaller.
3/4"	Concrete not exposed to weather or in contact with ground.

Use the following clear to top dimensions for reinforcement in slabs-on-grade, unless noted otherwise on the drawings:

Thkns	Clear to Top
4"	1-1/2"
5"	1-3/4"
6"	2"
8"	2-1/2"

4.10. Provide matching foundation dowels for all vertical bars, unless detailed otherwise.

4.11. Provide standard hooks and seismic hooks per ACI 318 Sec. 25.3, unless detailed otherwise.

4.12. Use 1" or (1) bar diameter, whichever is greater, minimum clear distance between parallel reinforcing bars, including spliced bars. For bundled bars, use an effective diameter, based on the total area of the bundle, to establish the required clearance.

4.13. Provide lap splices, welded splices, mechanical connections, and development of standard hooks as specified in ACI 318 Ch. 25. Make lap splices only at the locations shown on the drawings, as indicated in these Notes, or as approved in advance by the Engineer.

For normal weight concrete, use the minimum lap splice lengths listed below, but not less than 24", unless detailed otherwise:

Bar Size	Top Bars	Other Bars
#3 - #6	(74) Bar Dia.	(57) Bar Dia.
#7 - #11	(93) Bar Dia.	(72) Bar Dia.

"Top bars" are horizontal bars with more than 12" of fresh concrete cast below the bars.

Lap splice lengths listed above apply only when the clear distance between bars, including lapped reinforcement, is (2) bar diameters or greater and clear cover is not less than (1) bar diameter. When the clear distance between bars is less than (2) bar diameters or the clear cover is less than (1) bar diameter, increase the splice length by 50%.

4.14. Lap welded wire fabric a minimum of one full mesh, but not less than 6".

4.15. Provide 3/4" chamfer on all exposed corners of concrete, unless indicated otherwise on Architectural details.

4.16. Roughen the existing concrete surface at the interface of construction joints to an amplitude of approximately 1/4", except where a key is specifically indicated or where the use of a bond breaker is indicated. Immediately before new concrete is placed, thoroughly wet the interface surface and remove any standing water.

The Contractor shall locate, subject to the approval of the Engineer, construction joints not shown on the drawings. Locate such joints to least impair the strength of the structure.

4.17. Where new concrete is deposited against concrete that is greater than 28 days old, thoroughly clean existing surfaces of laitance and foreign material and saturate with water. Remove all standing water prior to placement of new concrete. Roughen the existing surface to an amplitude of 1/4".

4.18. Securely tie all reinforcement before placing concrete.

5. REINFORCEMENT [IBC Ch 19]

5.1. Reinforcement shall conform to ACI 318-19 Sec. 20.2, 20.3, and 26.6, and ASTM A615 and A706. Welded Wire Reinforcement shall conform to ACI 318-19 Sec. 20.2, and ASTM A1064.

5.2. Use reinforcement for concrete as follows:

Standard Reinforcement, UNO	A615 or A706, Grade 60
Welded reinforcement	A706, Grade 60
Shear Wall Boundary Members, and Special Moment Resisting Frames	A706, Grade 60

Welding of reinforcement shall conform to AWS D1.4, "Structural Welding Code Reinforcing Steel." Where reinforcement other than ASTM A706 is to be welded, provide report of material properties necessary to conform to the requirements of AWS D1.4.

Under no circumstance shall reinforcement be welded or fused without the proper preheat required by AWS D1.4.

5.3. Use threaded bar couplers as manufactured by Lenton, or an approved equal, at mechanical splices. Mechanical splices shall develop 125 percent of the specified yield strength of the reinforcement.

5.4. Bend reinforcing steel in accordance with ACI 301 Sec. 3.3.2.8. Reinforcing bars #3, #4, and #5 may be bent cold the first time, provided bar temperature is above 32°F. For other bars sizes, preheat reinforcing bars prior to bending per ACI 301 Sec. 3.3.2.8.a.

5.5. Submit reinforcing steel shop drawings in accordance with Section 1 of these Notes. Indicate size and placement of reinforcement, splices, details and locations of embedded items on such shop drawings.

5.6. Promptly notify the Engineer if conditions arise where there are insufficient minimum clear distances or where construction problems related to congestion are encountered.

6. CONNECTIONS TO CONCRETE AND CONCRETE INSERTS [IBC Ch 19]

6.1. Anchor bolts (AB) and other bolts embedded in concrete shall be ASTM A307 Grade A, with ASTM A563 Grade A nuts, unless detailed otherwise. Anchor rods (AR) shall be ASTM F1554 Grade 36 or weldable Grade 55, with ASTM A563 Grade C heavy-hex nuts, unless detailed otherwise. High-strength anchor rods shall be ASTM F1554 Grade 105 with ASTM A563 Grade DH or ASTM A194 Grade 2H nuts, unless detailed otherwise.

6.2. Headed stud anchors (HSA) shall be ASTM A108 as manufactured by Nelson Stud Welding, or approved equal. Where not noted, use 3/4" diameter Type S3L studs. Installation shall conform to the manufacturer's printed instructions. Unless specifically noted otherwise, all anchors shall be installed using a stud welding gun. Structural steel to receive HSAs shall be free from paint or painted with a primer that allows welding of studs. Test all studs by tapping with a 20-lb hammer and test 30 percent of the studs installed in the field by bending through an angle of 15 degrees.

6.3. Reinforcement welded to embedded plates shall meet the following:

a. Bars shall be ASTM A706 Grade 60, unless noted otherwise. All bars not welded to existing embedded plates shall be shop welded. Test all bars by tapping with a 20-lb hammer and test 30 percent of the bars welded in the field by bending through an angle of 15 degrees.

6.4. Hot-dip galvanize, after fabrication, all inserts and plates embedded in concrete and permanently exposed to weather, unless noted otherwise.

6.5. Post-installed anchors shall be as follows, unless indicated otherwise on the drawings:

a. Adhesive anchors: Simpson SET-3G epoxy adhesive anchorage system, with ASTM F1554 Grade 36 threaded rod and ASTM A563 Grade A nuts, per ICC-ES Report ESR-4057.

b. Stainless-steel adhesive anchors: Simpson SET-3G epoxy adhesive anchorage system, with ASTM ASTM A193 Grade B8 or ASTM F593 CW2 stainless steel threaded rod and ASTM A194 Grade 8 or ASTM F594 CW2 nuts, per ICC-ES Report ESR-4057.

c. Screw-in anchors: Simpson TITEN-HD screw anchors per ICC-ES Report ESR-2713.

d. Stainless-steel screw-in anchors: Simpson stainless steel TITEN-HD screw anchors per IAPMO-UES Report ER-493.

e. Expansion anchors: Simpson STRONG-BOLT 2 (SSB2) carbon steel or stainless steel expansion anchor per ICC-ER Report ESR-3037.

f. Install anchors in accordance with the manufacturer's printed instructions. Observe anchor spacing, embedment, and edge clearances indicated on the drawings.

g. Special Inspection is required for post-installed anchors.
h. Use of alternate products requires written pre-approval of the Engineer. Substitute products require an ICC-ES or IAPMO-UES report, showing compliance with the building code.

The Contractor shall provide calculations demonstrating that the substitute product is capable of achieving the performance values of the specified product.

6.6. Post-installed adhesive-grouted steel reinforcement shall be as follows, unless indicated otherwise on the drawings:

a. Use Simpson SET-3G epoxy adhesive anchoring system per ICC-ES Report ESR-4057.

b. Install in accordance with the manufacturer's printed instructions. Observe rebar spacing, embedment, and edge clearances indicated on the drawings.

c. Special Inspection is required for post-installed steel reinforcement.

d. Use of alternate products requires written pre-approval of the Engineer. Substitute products require an ICC-ES or IAPMO-UES report, showing compliance with the building code.

The Contractor shall provide calculations demonstrating that the substitute product is capable of achieving the performance values of the specified product.

7. SLABS-ON-GRADE (SOG) [IBC Ch 18 and Ch 19]

7.1. Slabs-on-grade shall conform to ACI 302.1R-15 and, where moisture-sensitive flooring is indicated on the architectural drawings, ACI 302.2-22.

7.2. Use concrete as specified under the Concrete Section and below.

7.3. Slabs-on-grade shall be as specified below, unless noted otherwise:

Location	Thkns	Reinforcement
Typical Interior	6"	#4 @ 18" EW

7.4. Floor finish tolerances shall be as follows, unless noted otherwise:

a. The flatness and levelness of floors shall be carefully controlled and the tolerance shall be measured by the F-Number System in accordance with ASTM E1155. Flatness, F(F), and levelness, F(L), shall be as specified below, unless directed otherwise:

Location	Floor Profile	Overall F(F)	Overall F(L)	Minimum Local F(F)	Minimum Local F(L)
Typical Interior	Flat	30	20	15	10
Warehouse	Conv. Straightedged	20	15	15	10

The F(L) levelness tolerances do not apply to inclined or cambered surfaces, or to slabs placed on unshored form surfaces and/or shored form surfaces after the removal of shores.

b. Local flatness and levelness measurements shall be made for each concrete pour, or for each area not to exceed 1000 sq. ft., whichever is less. The Contractor shall coordinate with the Special Inspector and submit a layout of proposed test sections for local flatness and levelness to the Architect for review prior to pouring slabs.

CONTINUED ON SHEET S0.2

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
STRUCTURAL NOTES

job number
25047

date
OCTOBER 27, 2026

drawing number
S0.1

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c. At locations for which tolerance by the F-Number System is not indicated and for sloping or inclined surfaces, finish and measure floor surface so gap at any point between concrete surface and a freestanding (unleveled) 10-foot-long straightedge, resting on two high spots and placed anywhere on the surface, does not exceed 1/8".

Variation in slab elevation across the entire floor shall not exceed 3/16".

d. Tolerance measurements shall be made within 72 hours after floor slab construction.

7.5. Construct interior slabs-on-grade as follows (where more restrictive requirements are contained in the Geotechnical Report, use those requirements):

a. Scarify upper 6" of subgrade and compact to ≥ 95%.

b. Place a 15-mil, ASTM E1745 Class "A", Stego Wrap extruded polyolefin vapor barrier. Seal all seams, splices, penetrations and patches with manufacturer's standard polyolefin tape. Install and tape in accordance with manufacturer's printed instructions.

c. Place a 4" layer of free-draining, crushed aggregate base, and compact to ≥ 95%.

d. Inspection shall be made to ensure that there is no free moisture present in the crushed aggregate base immediately prior to concrete placement.

7.6. Cure interior slabs-on-grade using SIKAX VC-5 Lithium Cure system. Apply VC-5 curing system in strict accordance with manufacturer's written instructions and recommendations. Provide written non-prorated warranty covering failure of finish flooring installation due to moisture, moisture vapor, and alkalinity emanating from the concrete for a period of (15) years from the date of application.

7.7. Locate construction or control joints as shown on the drawings. Make joints as soon as the slab is strong enough to accept the joint. Where not indicated, provide control joints at a maximum spacing, in feet, equal to (3) times the slab thickness in inches. Provide joints such that the panel length to panel width does not exceed 1.5 to 1 in any panel.

Unless noted otherwise, control joints shall be soft-cut or tooled.

Where saw-cut control joints are used, use a concrete with a minimum 3-day strength of 3000 psi. If soft-cut or tooling methods for jointing are used, this requirement does not apply.

8. MASONRY [IBC Ch 21]

8.1. All masonry work and materials shall conform to IBC Ch. 21 and TMS 602-22.

8.2. All masonry shall be solid grouted, unless noted otherwise.

8.3. Special Inspection and Testing:

a. Special inspection is required for masonry as described in the Special Inspection section of these Notes.

b. Pre-construction testing is required for both special inspection and non-special inspection, and shall be in conformance with TMS 602 Table 3. For determination of f'm, the Unit Strength Method, TMS 602 Art. 1.4B.2, is recommended.

c. Testing as the construction progresses is required for special inspection and shall be in conformance with TMS 602 Tables 3 and 4.

8.4. Masonry properties shall be as specified below:

Property	Class MA	Class MB
Masonry Type	CMU	CMU
Strength, f'm	2000 psi	2500 psi
Unit Strength	2000 psi	3250 psi
Grout, f'c	2500 psi	3000 psi

8.5. Concrete masonry units (CMU) shall conform to ASTM C90, Grade N, Type I. Refer to the Architect for texture, special shape, and color requirements.

At exterior walls, provide units made with liquid polymeric integral water repellant admixture that does not reduce flexural bond strength. Use "RainBloc" manufactured by ACM Chemistries, Inc., or "Dry-Block" manufactured by W.R. Grace & Co.

8.6. Mortar shall conform to ASTM C270, and TMS 602 Art. 2.1 and 2.6A. Use Portland cement mortar only; do not use mortar made with masonry cement or mortar cement. The minimum compressive strength shall be as required to attain the design f'm, but not less than 2000 psi for Type S and 2500 psi for Type M. Use mortar types as follows:

Masonry Type	Location	Mortar Type
CMU	Below Grade	M
	Above Grade	M or S

At exterior walls, use liquid water repellant admixture intended for use with CMUs containing integral water repellant by the same manufacturer. Use "RainBloc GP" manufactured by ACM Chemistries, Inc., or "Dry-Block Mortar Admixture" manufactured by W.R. Grace & Co.

8.7. Grout shall conform to ASTM C476, and TMS 602 Art. 2.2 and 2.6B, and shall have a minimum 28-day compressive strength as required to attain the specified f'm, but not less than indicated for the class of masonry. Use 3/8" maximum aggregate and 8" to 11" slump. Larger slumps may be attained through the use of a superplasticizer.

8.8. Cold weather construction: When ambient air temperature is below 40°F, implement cold weather procedures and comply with TMS 602 Art. 1.8C.

8.9. Hot weather construction: When ambient air temperature exceeds 100°F, or 90°F with winds greater than 8 mph, implement hot weather procedures and comply with TMS 602 Art. 1.8D.

8.10. Install anchors, reinforcement, flashing, lintels and other items as the stacking progresses. Cut or notch masonry units as required.

Precut masonry units for inserts as indicated on the drawings.

Cut masonry units to fit openings. Do not use pieces less than 1-1/4" in length in the wall.

8.11. Use reinforcement for masonry as follows:

Standard Reinforcement, UNO	A615 or A706, Grade 60
Welded reinforcement	A706, Grade 60

Welding of reinforcement shall conform to AWS D1.4, "Structural Welding Code Reinforcing Steel."

Under no circumstance shall reinforcement be welded or fused without the proper preheat required by AWS D1.4.

8.12. Splices in reinforcement shall comply with TMS 602 Art.3.4B.9. Minimum lap length shall be as follows, unless detailed otherwise:

Bar Size	Min Lap Splice
#3	1'-6"
#4	2'-2"
#5	3'-4"
#6	4'-6"
#7	5'-3"
#8	6'-0"

8.13. Center vertical reinforcement in masonry, unless detailed otherwise. Where reinforcement is to be located near one face, maintain a cover distance of 2" from the outside face of the masonry to the surface of the bar.

8.14. Provide matching foundation dowels for all vertical bars, unless detailed otherwise.

8.15. Reinforce wall openings greater than 24" in either direction with (2) vertical bars on each side of the opening and extend the reinforcement 32" each way beyond the opening. Reinforce openings greater than 48" in either direction as for doors and windows.

8.16. Shore masonry lintels until the masonry has gained sufficient strength to sustain its self-weight and the weight of any imposed loads.

8.17. Provide jamb bars and foundation dowels at each side of door and window openings. Extend reinforcement to the next floor or to the roofline above, unless detailed otherwise.

9. CONNECTIONS TO MASONRY AND MASONRY INSERTS [IBC Ch 21]

9.1. Anchor bolts (AB) and other bolts embedded in masonry shall be ASTM A307 Grade A, hex head bolts. Bent bar anchor bolts (L- and J-bolts) are not allowed. Threaded rod (TR) shall be ASTM F1554 Grade 36 or weldable Grade 55, unless detailed otherwise. Where not indicated, use ASTM A563 Grade A nuts; where heavy-hex nuts are indicated, use ASTM A563 Grade C nuts.

9.2. Place anchor bolts or headed stud anchors in the side of masonry to extend to 1/2" clear of the opposite face or to an embedment of 6", unless detailed otherwise. Where the anchor passes through the masonry face shell, provide a hole at least 1" larger in diameter than the anchor diameter and center the anchor to provide a 1/2" minimum grout ring around the anchor per TMS 602 Art. 3.4E.3.

9.3. Headed stud anchors (HSA) shall be ASTM A108 as manufactured by Nelson Stud Welding, or an approved equal, of the type and size indicated on the drawings. Installation shall conform to the manufacturer's printed instructions. Unless specifically noted otherwise, all anchors shall be installed using a stud welding gun. Structural steel to receive HSAs shall be free from paint or painted with a primer that allows welding of studs. Test all studs by tapping with a 20-lb hammer and test 30 percent of the studs installed in the field by bending through an angle of 15 degrees.

9.4. Reinforcement welded to embedded plates shall meet the following:

a. Bars shall be ASTM A706 Grade 60, unless noted otherwise. All bars not welded to existing embedded plates shall be shop welded. Test all bars by tapping with a 20-lb hammer and test 30 percent of the bars welded in the field by bending through an angle of 15 degrees.

9.5. Hot-dip galvanize, after fabrication, all inserts and plates embedded in masonry and permanently exposed to weather, unless noted otherwise.

9.6. Post-Installed anchors in masonry shall be as follows, unless indicated otherwise on the drawings:

a. Adhesive anchors for grout-filled CMU: Simpson SET-3G epoxy adhesive anchorage system, with ASTM F1554 Grade 36 threaded rod and ASTM A563 Grade A nuts, per ICC-ES Report ESR-4844.

b. Stainless-steel adhesive anchors: Simpson SET-3G epoxy adhesive anchorage system, with ASTM ASTM A193 Grade B8 or ASTM F593 CW2 stainless steel threaded rod and ASTM A194 Grade 8 or ASTM F594 CW2 nuts, per ICC-ES Report ESR-44844.

c. Screw-in anchors for grout-filled CMU: Simpson TITEN-HD screw anchors per ICC-ES Report ESR-1056.

d. Stainless-steel screw-in anchors for grout-filled CMU: Simpson TITEN-HD stainless steel screw anchors per ICC-ES Report ESR-1056.

e. Install anchors in accordance with the manufacturer's printed instructions. Observe anchor spacing, embedment, and edge clearances indicated on the drawings.

f. Special Inspection is required for post-installed anchors.

g. Use of alternate products requires written pre-approval of the Engineer. Substitute products require an ICC-ES or IAPMO-UES report, showing compliance with the building code.

The Contractor shall provide calculations demonstrating that the substitute product is capable of achieving the performance values of the specified product.

9.7. Post-installed adhesive-grouted steel reinforcement in masonry shall be as follows, unless indicated otherwise on the drawings:

a. Use Simpson SET-3G epoxy adhesive anchoring system per ICC-ES Report ESR-4844.

b. Install in accordance with the manufacturer's printed instructions. Observe rebar spacing, embedment, and edge clearances indicated on the drawings.

c. Special Inspection is required for post-installed steel reinforcement.

d. Use of alternate products requires written pre-approval of the Engineer. Substitute products require an ICC-ES or IAPMO-UES report, showing compliance with the building code.

The Contractor shall provide calculations demonstrating that the substitute product is capable of achieving the performance values of the specified product.

10. STRUCTURAL STEEL [IBC Ch 22]

10.1. Structural steel detailing, fabrication, and erection shall conform to IBC Ch. 22 and AISC 360-22, AISC 341-22, and AISC 303-22.

10.2. Structural steel shapes shall be as follows, unless indicated otherwise on the drawings:

a. Wide Flange shapes ("W", "WT") and Channels ("C", "MC"): ASTM A992 (Fy = 50 ksi).

b. Angles ("L", "LL"): ASTM A572 Grade 50 (Fy = 50 ksi).

c. Plates and Bars, Channels smaller than 8", and other miscellaneous shapes: ASTM A36 (Fy = 36 ksi).

d. Square, Rectangular, and Round Hollow Structural Sections ("HSS"): ASTM A500 Grade C (Fy = 50 ksi).

e. Pipe ("PC"): ASTM A53 Grade B (Fy = 35 ksi).

10.3. High-strength bolting shall comply with AISC 360 Sec. J3 and the Research Council on Structural Connections "Specification for Structural Joints Using High-Strength Bolts" (RCSC).

a. Use ASTM F3125 Grade A325 bolts and ASTM A563 Grade C heavy-hex nuts, unless specifically noted otherwise. ASTM F3125 Grade F1852 twist-off-type tension-control bolts may be used in place of Grade A325 bolts. Use ASTM A563 Grade DH heavy-hex nuts with tension-control bolts.

b. Where A490 bolts are indicated, use ASTM F3125 Grade A490 bolts and ASTM A563 Grade DH heavy-hex nuts. ASTM F3125 Grade F2280 twist-off-type tension-control bolts may be used in place of Grade A490 bolts.

c. Where not noted, use 3/4" diameter bolts.

d. Use snug-tight joints per RCSC 8.1, unless specifically noted otherwise.

Where threads are not required to be excluded from the bearing area of the connection, bolts are indicated on the drawings as A325 or A490.

Where threads are required to be excluded from the bearing area of the connection, bolts are indicated on the drawings as A325-X or A490-X.

e. Use pretensioned joints per RCSC 8.2 where specifically indicated on the drawings. Where pretensioned joints are required, bolts are indicated as A325-PT or A490-PT. Use ASTM A563 Grade DH heavy-hex nuts where pretensioned joints are indicated.

f. Use slip-critical joints per RCSC 8.2 where specifically indicated on the drawings. Where slip-critical joints are required, bolts are indicated as A325-SC or A490-SC. Use ASTM A563 Grade DH heavy-hex nuts where slip-critical joints are indicated.

10.4. Bolts indicated as machine bolts (MB) shall be ASTM A307 Grade A, unless detailed otherwise. Threaded rod (TR) shall be ASTM F1554 Grade 36 or weldable Grade 55, unless detailed otherwise. Where not indicated, use ASTM A563 Grade A nuts; where heavy-hex nuts are indicated, use ASTM A563 Grade C nuts.

10.5. Bolt holes shall comply with RCSC Sec. 3.3. Use standard holes, unless detailed otherwise. Holes may be drilled, punched, or thermally-cut by machine. Manual thermal-cut holes are not allowed.

10.6. For long slotted holes, provide plate washers per AISC 360 Sec. J3.3 and RCSC Sec. 6.

10.7. Welding shall conform to AWS D1.1, "Structural Welding Code-Steel." Certified welders shall perform all welding.

Use E7018 (SMAW) or E71T-8 (FCAW-S) electrodes, with a minimum Charpy V-Notch toughness (CVN) of 20 ft-lb at 0°F.

At complete penetration welds, backing bars shall be removed and welds repaired on both sides with fillet welds.

10.8. Welding of sheet steel shall conform to AWS D1.3, "Structural Welding Code-Sheet Steel." Use E6018 (SMAW) or E71T-14 (FCAW-S) electrodes. Certified welders shall perform all welding.

10.9. Base plate holes for anchor bolts may be oversized as follows:

Anchor Bolt Dia.	Hole Size
3/4" - 7/8"	3/16" Oversized
1"	1/4" Oversized
Over 1"	5/16" Oversized

10.10. Use pre-blended, pre-bagged non-metallic, non-shrink grout under base plates. Install according to the manufacturer's printed instructions.

10.11. Refer to architectural drawings for stair framing and locations of stair supports and design intent. Notify the Architect of any deviations from the design intent. The Contractor is responsible for all additional costs due to deviations from the design intent.

Unless specifically detailed on the structural drawings, submit stair design calculations along with stair shop drawings for review. A Professional Engineer, licensed to practice in the state in which the construction is located, shall seal such calculations and shop drawings.

10.12. Refer to architectural drawings and specifications for fireproofing requirements. Steel member surfaces shall be prepared as required by the fireproofing manufacturer's printed instructions and specifications.

11. STEEL DECK [IBC Ch 22]

11.1. Steel deck design and installation shall comply with SDI SD-2022, SDI QA/QC-2022, and the SDI "Code of Standard Practice."

11.2. Roof Deck (RD-1): Use wide rib, painted steel roof deck, of the following size and gauge, unless indicated otherwise on the drawings:

HSB-36, 18 gauge, 36" Wide, 1-1/2" deep, having minimum I = 0.302 in^4/ft,
S+ = 0.314 in^3/ft, S- = 0.331 in^3/ft.

Form deck units in lengths to span (3) or more supports, with 2" minimum end laps and interlocking side laps formed with standing seam allowing button punch or screw connection.

Use minimum roof deck welding as follows:

End laps	(4) welds per 36" sheet
Intermediate Supports	(4) welds per 36" sheet
Side laps	Button punch @ 24" or #12 x 3/4" TEK screw @ 24"
Parallel Side supports	Puddle welds @ 24"

All puddle (fusion) welds shall be 5/8" diameter minimum.

Attach the roof deck to supporting members to provide a roof assembly with a Factory Mutual Class 1-90 (90 psf uplift) securement.

a. Total Allowable Concentrated Load applied per rib due to Architectural, Mechanical, Electrical, and Plumbing supports shall not exceed 120 pounds per span.

12. COLD-FORMED STEEL LIGHT-FRAMED CONSTRUCTION [IBC Ch 22]

12.1. Cold-formed steel light-framed construction shall comply with IBC 2204 and 2206, AISI S100-16 with Supplement 2, 2020 Edition, AISI S240-20, and AISI S400-20.

12.2. The structural drawings do not indicate non-load-bearing steel stud walls. For information regarding non-load-bearing steel studs, refer to the architectural drawings and specifications.

12.3. Use cold-formed studs, joists and track formed from steel with a minimum yield stress of 33 ksi (ASTM A1003 Grade 33, Type H) for 18-gauge or lighter thickness and 50 ksi (ASTM A1003 Grade 50, Type H) for 12-, 14- and 16-gauge thickness.

12.4. Steel studs, joists and track shall conform to ICC-ES Report ESR-3064 and ESR-3064P, "SSMA Product Technical Guide."

The following nomenclature is used in the structural drawings:

ddd X www - tt

where: ddd is the section depth, in 1/100s of an inch (ex: 800 = 8.00")
X Is the style:
S = Stud
T = Track
www is the flange width, in 1/100s of an inch (ex: 162 = 1-5/8")
tt is the minimum thickness, in 1/1000s of an inch:
27 = 0.0269" = 22 gauge
33 = 0.0329" = 20 gauge
43 = 0.0428" = 18 gauge
54 = 0.0538" = 16 gauge
68 = 0.0677" = 14 gauge
97 = 0.0966" = 12 gauge

Use S-style steel studs with 1-5/8"-wide flanges, 1/2" minimum stiffener lips, and 16-gauge minimum thickness (S162-54), unless detailed otherwise.

Use S-style steel joists with un-punched webs, 2" wide flanges, 5/8" minimum stiffener lips, and 16-gauge minimum thickness (S200-54), unless detailed otherwise.

Use T-style steel track with 2"-deep legs and a minimum thickness equal to the associated stud or joist thickness (T200). Use such tracks top and bottom for all steel stud walls.

12.5. Cut framing components, such as studs and bracing, squarely or at an angle to fit tight against abutting members. Hold members firmly in position until properly fastened.

12.6. Welding of cold-formed light-gauge steel shall conform to AWS D1.3, "Structural Welding Code-Sheet Steel." Use E6018 (SMAW) or E71T-14 (FCAW-S) electrodes. Certified welders shall perform all welding.

12.7. Use plug, butt or seam weld connections for steel studs, unless detailed otherwise. Where studs are burned-through by welding, provide a suitable stitch plate of the same gauge. Provide butt welds or splices at joints in track. Splices in axially loaded studs or braces are not permitted. Wire tying of components is not permitted.

12.8. Provide horizontal bridging at 4'-6" maximum spacing.

13. MISCELLANEOUS

13.1. Install and anchor mechanical, plumbing and electrical equipment, including ducts, pipes and conduits, to the structure in accordance with ASCE 7-22, Ch. 13. Submit calculations and shop drawings for review to the Mechanical or Electrical Engineer, respectively. The Contractor shall provide any additional structural supports required within the floor or roof structure. Isolators, fasteners or any other element providing stability for equipment require an ICC-ES or IAPMO-UES report, or an equivalent testing report, showing the product to be capable of transmitting Code required forces.

13.2. The Contractor shall provide additional secondary supports as required by the various trades, including, but not be limited to:

Mechanical equipment, including seismic restraints

14. DEFERRED-SUBMITTALS [2024 IBC, Sec. 107.3.4.1]

14.1. The following items are indicated on the architectural or structural drawings to convey the design intent only. Refer to the Project Specifications, General Notes, and Structural Notes for additional design requirements. Notify the Architect or Structural Engineer of any deviations from the design intent; the Contractor is responsible for all additional costs due to such deviation. Final sizes and details shall be determined by the Contractor, whose bid shall be based upon such final sizes and details.

14.2. The Contractor shall submit design calculations and fabrication or shop drawings for review. A Professional Engineer, licensed to practice in the state in which the construction is located, shall seal such design calculations and drawings. Upon review and approval by the Architect and Structural Engineer, Deferred-Submittal items will be submitted to the building department having jurisdiction, for their review and approval.

14.3. Deferred-Submittal items include:

a. Vertical hangers and seismic bracing for Mechanical, Electrical, and Plumbing systems. See Structural Note 2.3 for design criteria.

b. Steel stairs.

c. Storefront/curtain window wall systems.

15. SPECIAL INSPECTIONS [IBC Ch 17]

Provide special inspections in compliance with IBC 1704 and 1705 as indicated in the "STATEMENT OF SPECIAL INSPECTIONS" included in the structural drawings.

END OF STRUCTURAL NOTES

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
STRUCTURAL NOTES

job number
25047

date
OCTOBER 27, 2026

drawing number
S0.2

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STATEMENT OF SPECIAL INSPECTIONS

This Statement of Special Inspections implements the requirements of 2024 International Building Code (IBC) 1704.3 and 1705. The Contractor is responsible for compliance with the requirements of IBC 1704.4.

1. Special Inspection Requirements [IBC 1705]

The following items shall be inspected in accordance with IBC Section 1705 by a certified special inspector from an established inspection and testing agency engaged by the Owner. Specific inspection and testing requirements for various classes of materials are given in following sections. Refer to the project Specifications and the Structural Notes for additional requirements. The inspection agency shall provide copies of all inspection reports directly to the Architect and the Structural Engineer and, if directed, to the building department having jurisdiction. Any construction that fails to comply with the approved construction documents shall be immediately brought to the attention of the Architect.

	ITEM	REMARKS
1.1.	Inspection of fabricators	IBC 1704.2.5 (Not required for a registered and approved fabricator's shop per IBC 1704.2.5.1, subject to approval of the building department having jurisdiction. At completion of fabrication, certificate of compliance shall be provided by fabricator.)
1.2.	Steel construction	IBC 1705.2 See below
1.3.	Concrete construction	IBC 1705.3 - See below
1.4.	Masonry construction	IBC 1705.4 - See below
1.5.	Soils	IBC 1705.6 - See below and Geotechnical Report
1.6.	Fabricated items	IBC 1705.11 and IBC 1705.2.5
1.7.	Special Inspections for Seismic Resistance	IBC 1705.13 See below
1.8.	Sprayed fire-resistant materials	IBC 1705.15

2. Required Special Inspections and Tests of Steel Construction [IBC 1705.2, IBC 1705.13.1]

	ITEM	CONTINUOUS/ PERIODIC	REFERENCE/REMARKS
2.1.	Material verification of high-strength bolts, nuts and washers		
	a. Identification markings to conform to ASTM standards specified in the approved construction documents	Periodic	AISC 360-22 A3.3 and applicable ASTM material standards
	b. Manufacturer's certificate of compliance required	Periodic	
2.2.	Inspection of high-strength bolting		AISC 360-22 N5.6
	a. Snug-tight joints	Periodic	
	b. Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt, or direct tension indicator methods of installation	Periodic	
	c. Pretensioned and slip-critical joints without matchmarking, or calibrated wrench methods of installation	Continuous	
2.3.	Material verification of structural steel		
	a. For structural steel, identification markings conforming to AISC 360	Periodic	AISC 360-22 A3.1
	b. For other steel, identification markings to conform to ASTM standards specified in the approved construction documents	Periodic	Applicable ASTM material standards
	c. Manufacturer's certified test reports	Periodic	
2.4.	Material verification of weld filler material		
	a. Identification markings to conform to AWS specification in the approved construction documents	Periodic	AISC 360-22 A3.5 and applicable AWS A5 documents
	b. Manufacturer's certificate of compliance required	Periodic	
2.5.	Inspection of welding		AISC 360-22 N5.4 and AISC 341-22 J7
	a. Structural steel		
	1. Complete and partial joint penetration groove welds	Continuous	AWS D1.1, AWS D1.8
	2. Multipass fillet welds	Continuous	AWS D1.1, AWS D1.8
	3. Single-pass fillet welds > 5/16"	Continuous	AWS D1.1, AWS D1.8
	4. Plug and slot welds	Continuous	AWS D1.1, AWS D1.8
	5. Single-pass fillet welds ≤ 5/16"	Periodic	AWS D1.1, AWS D1.8
	b. Reinforcing steel		
	1. Verify weldability of reinforcing bars other than ASTM A706	Periodic	AWS D1.4, ACI 318-19 26.13.1.4
	2. Inspect welded reinforcement splices	Continuous	
	3. Inspect single-pass fillet welds, maximum 5/16"	Periodic	AWS D1.4, ACI 318-19 26.13.3
	4. Inspect all other welds	Periodic	AWS D1.4, ACI 318-19 26.13.3
2.6.	Inspection of steel frame joint details for compliance with approved construction documents		AISC 360-22 N5.8
	a. Details such as braces and stiffeners	Periodic	
	b. Member locations	Periodic	
	c. Proper application of joint details at each connection	Periodic	
2.7.	Inspection of cold-formed steel deck		IBC 1705.2.3, SDI QA/QC-22
	a. Material verification of cold-formed steel deck		
	1. Identification markings to conform to ASTM standards specified in the approved construction documents	Periodic	Applicable ASTM material standards
	2. Manufacturer's certified test reports	Periodic	
	b. Placement and installation of steel deck	Periodic	
	c. Inspection of welding for cold-formed steel deck	Periodic	

3. Required Special Inspections and Tests of Concrete Construction [IBC 1705.3]

	ITEM	CONTINUOUS/ PERIODIC	REFERENCE/REMARKS
3.1.	Inspect reinforcement and verify placement	Periodic	ACI 318-19 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3
3.2.	Inspect reinforcing bar welding		AWS D1.4, ACI 318-19 26.13.1.4, 26.13.3 See Steel section above
3.3.	Inspect anchors cast in concrete	Periodic	ACI 318-19 26.13.3.3
3.4.	Inspect anchors post-installed in hardened concrete members		
	a. Adhesive anchors installed horizontally or upwardly inclined to resist sustained tension loads	Continuous	ACI 318-19 26.13.3.2
	b. Mechanical anchors and adhesive anchors not defined in (a) above	Periodic	ACI 318-19 26.13.3
3.5.	Verify use of required mix design	Periodic	ACI 318-19 Ch. 19, 26.4.3, 26.4.4
3.6.	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Continuous	ASTM C31, ASTM C172, ACI 318-19 26.5, 26.12. Cast (4) 6x12 or (5) 4x8 cylinders for each test
	a. Compressive strength (f'c) testing	Periodic	Test (1) specimen at 7 days; (2) 6x12 or (3) 4x8 specimens at 28 days; hold final specimen for testing at 56 days, if necessary.
3.7.	Inspect concrete placement for proper application techniques	Continuous	ACI 318-19 26.5
3.8.	Verify maintenance of specified curing temperature and techniques	Periodic	ACI 318-19 26.5.3-26.5.5

4. Required Special Inspections and Tests of Masonry (TMS 602-22 Level 2) [IBC 1705.4]

	ITEM	CONTINUOUS/ PERIODIC	REFERENCE/REMARKS
4.1.	Verify compliance with approved submittals	Periodic	TMS 602 1.5
4.2.	Verification of f'm prior to construction, except where specifically exempted by TMS 402	Periodic	TMS 602 1.4B
4.3.	Verification of slump flow and Visual Stability Index (VSI) as delivered to the site for self-consolidating grout	Periodic	TMS 602 1.5B.1.b.3
4.4.	As masonry construction begins, verify that the following are in compliance:		
	a. Proportions of site-prepared mortar	Periodic	TMS 602 2.1, 2.6A, 2.6C
	b. Grade and size of prestressing tendons and anchorages	Periodic	TMS 602 2.4B, 2.4M, 2.4N
	c. Grade, type and size of reinforcement, connectors, and anchor bolts	Periodic	TMS 602 2.4A, 2.4D-L
	d. Prestressing technique	Periodic	TMS 602 3.6B
	e. Sample panel construction	Periodic	TMS 602 1.6D
4.5.	Prior to grouting, verify that the following are in compliance:		
	a. Grout space	Periodic	TMS 602 3.2D, 3.2F
	b. Placement of reinforcement, connectors, and anchor bolts	Periodic	TMS 602 3.2E, 3.4
	c. Proportions of site-prepared grout and prestressing grout for bonded tendons	Periodic	TMS 602 2.6B, 2.4M.1.b
4.6.	Verify during construction:		
	a. Materials and procedures with the approved submittals	Periodic	TMS 602 1.5
	b. Placement of masonry units and mortar joint construction	Periodic	TMS 602 3.3B
	c. Size and location of structural members	Periodic	TMS 602 3.3G
	d. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction	Periodic	TMS 402 1.2.1(e), 6.2.1, 6.3.1
	e. Welding of reinforcement	Continuous	TMS 402 6.1.7.3 - See Steel section above
	f. Preparation, construction and protection of masonry during cold weather (< 40°F) or hot weather (> 90°F)	Periodic	TMS 602 1.8C, 1.8D
	g. Placement of grout	Continuous	TMS 602 3.5
	h. Placement of prestressing grout for bonded tendons	Continuous	TMS 602 3.5
4.7.	Observe preparation of grout specimens, mortar specimens and/or prisms	Periodic	TMS 602 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4

4. Required Special Inspections and Tests of Soils [IBC 1705.6]

	ITEM	CONTINUOUS/ PERIODIC	REFERENCE/REMARKS
4.1.	Verify materials below shallow foundations are adequate to achieve the design bearing capacity	Periodic	
4.2.	Verify excavations are extended to proper depth and have reached proper material	Periodic	
4.3.	Perform classification and testing of controlled fill materials	Periodic	
4.4.	During fill placement, verify use of proper materials and procedures in accordance with the geotechnical report. Verify densities and lift thickness during placement and compaction of compacted fill	Continuous	
4.5.	Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	Periodic	

5. Special Inspections for Seismic Resistance [IBC 1705.13]

	ITEM	CONTINUOUS/ PERIODIC	REFERENCE/REMARKS
5.1.	Structural steel		IBC 1705.13.1 - Requirements included in Steel section, above
5.2.	Designated seismic system verification for mechanical and electrical components	Periodic	IBC 1715.13.4
5.3.	Plumbing, mechanical and electrical components		IBC 1705.13.6
	a. Anchorage of electrical equipment for emergency and standby power systems	Periodic	
	b. Installation and anchorage of vibration isolation systems	Periodic	
	c. Installation of mechanical and electrical equipment, including duct work, piping systems and their structural supports, where automatic fire sprinkler systems are installed	Periodic	

6. Structural Observations

Structural Observation in accordance with IBC 1704.6 shall be conducted as described in the following schedule:

	POINT OF PROGRESS DURING CONSTRUCTION	OBSERVATIONS TO BE PERFORMED
6.1.	Following erection of major structural components	Structural steel, masonry walls, etc.
6.2.	Substantial completion of the structural system, prior to components being hidden by finish work	Observation of completed vertical and lateral load-carrying systems.

Structural Observations shall consist of visual observation by the Structural Engineer of the elements and connections as described above. Structural Observation does not include or waive the responsibility for the inspections required by IBC 110 and does not include or waive the Special Inspections required in IBC 1705 as listed in this Statement of Special Inspections or as listed elsewhere in the approved construction documents. Approval as a result of Structural Observation shall not be construed to be an approval of any violation of the provisions of the Building Code or other ordinance of the jurisdiction.

It is the responsibility of the Contractor to inform the Structural Engineer as each Point of Progress approaches and to coordinate with the Engineer a date and time for each Structural Observation. It is recommended that, to the greatest extent practicable, the Structural Observations be combined with other walkthroughs to be completed, such as Architect's walkthroughs.

The Contractor shall ensure that all applicable portions of the construction remain accessible and exposed for the required Structural Observations, and that any ladders, lifts, lights, tools or other equipment needed to complete the Structural Observation are readily available. The Structural Engineer shall not be liable for any expense entailed in the removal or replacement of any material required to allow observation.

Following each Structural Observation, the Structural Engineer will notify the Architect, in writing, of any observed deficiencies. A copy of such report will be furnished to the Contractor, who shall take any corrective actions necessary. If needed, a follow-up Structural Observation may be conducted to verify that corrections have been completed.

Upon completion of the final Structural Observation, a written report will be furnished to the Architect and the building department having jurisdiction, indicating compliance with the approved construction documents and listing any remaining exceptions noted thereto.

END OF STATEMENT OF SPECIAL INSPECTIONS

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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SHIELDS ENGINEERING, inc
Structural Engineers
9585 Prototype Ct, Suite A
Reno, Nevada 89521
775-829-9277
775-829-9359 (fax)
www.shieldsengineering.com

Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

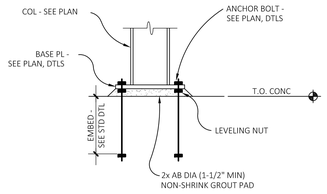
drawing title
STATEMENT OF SPECIAL INSPECTIONS

job number
25047

date
OCTOBER 27, 2026

drawing number
S0.3

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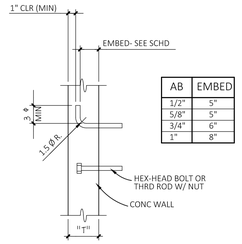


STD - GROUT UNDER BASE PLATE

SCALE: NO SCALE

108

C-105



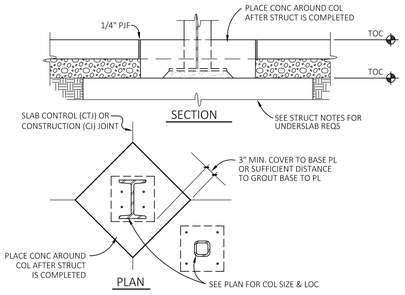
AB	EMBED
1/2"	5"
5/8"	5"
3/4"	6"
1"	8"

STD - BOLTS IN CONC

SCALE: NONE

103

C-002

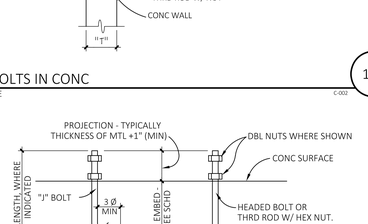


STD - ISOL JT @ INT COL

SCALE: 3/4" = 1'-0"

107

C-104



MIN EMBEDMENT, UNO

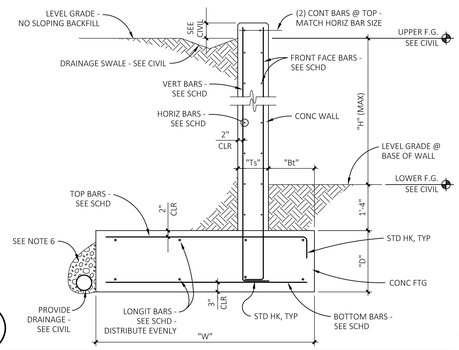
DIAM.	TYP EMBED	EMBED FOR TOP OF WALL/COL
1/2"	6"	8"
5/8"	7 1/2"	9 1/2"
3/4"	9"	11"
7/8"	10 1/2"	12 1/2"
1"	12"	14"

STD - ANCHOR BOLTS IN CONCRETE

SCALE: NONE

102

C-001



MAXIMUM RETAINED HEIGHT, "H"	STEM WALL				FOOTING					
	"Ts"	VERT BARS	HORIZ BARS	FRONT Ⓐ FACE BARS	"W"	"D"	"Bt"	TOP BARS	BOTTOM BARS	LONGIT BARS
2'-0"	8"	#5 @ 18"	#5 @ 18"	—	3'-6"	1'-4"	1'-0"	#5 @ 18"	#5 @ 18"	(4) #5
3'-0"	8"	#5 @ 18"	#5 @ 18"	—	4'-0"	1'-4"	1'-0"	#5 @ 18"	#5 @ 18"	(6) #5
4'-0"	10"	#6 @ 18"	#6 @ 18"	—	4'-6"	1'-4"	1'-6"	#5 @ 18"	#5 @ 18"	(6) #5
6'-0"	10"	#7 @ 18"	#6 @ 18"	—	6'-0"	1'-4"	2'-0"	#6 @ 18"	#5 @ 18"	(8) #5
8'-0"	12"	#8 @ 18"	#5 @ 18"	#5 @ 18" EW	8'-0"	1'-8"	2'-0"	#7 @ 18"	#6 @ 18"	(8) #6
10'-0"	14"	#9 @ 16"	#5 @ 18"	#5 @ 18" EW	10'-0"	2'-0"	3'-0"	#8 @ 18"	#6 @ 18"	(12) #6
12'-0"	14"	#9 @ 10"	#5 @ 18"	#6 @ 18" EW	11'-0"	2'-6"	4'-0"	#8 @ 18"	#7 @ 18"	(12) #7
15'-0"	16"	#10 @ 8"	#6 @ 18"	#7 @ 18" EW	12'-0"	3'-0"	5'-0"	#9 @ 18"	#8 @ 18"	(16) #7

NOTES:

1. SEE CIVIL DRAWINGS FOR RETAINING WALL LOCATIONS AND GRADING.
2. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR GUARDRAILS AND FENCES AT TOP OF WALLS.
3. RETAINING WALLS WERE DESIGNED FOR ACTIVE AND SEISMIC PRESSURES SPECIFIED IN THE GEOTECHNICAL REPORT.
4. SEE GEOTECHNICAL REPORT FOR OVEREXCAVATION AND STRUCTURAL FILL UNDER FOUNDATIONS.
5. SEE GEOTECHNICAL REPORT FOR BACKFILL REQUIREMENTS BEHIND RETAINING WALLS.
6. SEE GEOTECHNICAL REPORT FOR DRAINAGE BEHIND RETAINING WALL/FOUNDATION DRAINAGE DESIGN REQUIREMENTS.
7. DO NOT SURCHARGE THESE RETAINING WALLS WITH LOADS FROM STRUCTURES OR OTHER RETAINING WALLS.
8. PROVIDE FRONT FACE BARS AS SHOWN. USE #4 @ 8" EW FRONT FACE BARS WHERE WALLS JOG OR INTERSECT FOR A MINIMUM DISTANCE OF 6'-0" EACH SIDE OF CORNER OR INTERSECTION.

SITE RETAINING WALL SCHEDULE - LEVEL BACKFILL

SCALE: NONE

G



TYPE 1



TYPE 2



TYPE 3

MARK	TYPE	MAX LENGTH	MIN DEPTH	CONT T&B REINF "A"	VERT REINF "B"	HORIZ REINF "C"	REMARKS
L1	3	6'-0"	4'-0"	(2) #5	PER CMU WALL SCHED	PER CMU WALL SCHED	TYP,UNO
L2	3	10'-0"	4'-0"	(2) #7	PER CMU WALL SCHED	PER CMU WALL SCHED	
L3	2	12'-0"	4'-0"	(2) #7	#5 @ 16"	PER CMU WALL SCHED	
L4	1	4'-0"	1'-4"	(2) #5	#3 @ 8"	PER CMU WALL SCHED	

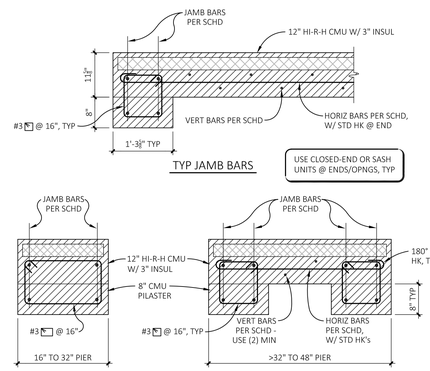
NOTES:

1. ALL CMU SHALL BE SOLID GROUTED. CENTER BARS IN CELLS, UNO.
2. SPECIAL INSPECTION IS REQUIRED AS DESCRIBED IN THE STRUCTURAL NOTES.
3. REFER TO STANDARD DETAILS FOR TYPICAL CMU WALL OPENING DETAILS.
4. COORDINATE W/ ARCH REGARDING EXTENT AND LOCATION OF SPLIT-FACE AND REGULAR SMOOTH-FACE CMU.
5. EXTEND T&B BARS (REINF "A") (65) BAR DIA, BUT NOT LESS THAN 24", BEYOND FACE OF OPENING, OR TERMINATE WITH STD HK.
6. AT END OF WALL WHERE PIER LENGTH PRECLUDES COMPLIANCE WITH NOTE 5, TERMINATE T&B BARS (REINF "A") WITH STD HK's.
7. FOR LINTELS WHICH SPAN ACROSS INTERMEDIATE PIERS ≤4'-0" IN LENGTH, T&B BARS (REINF "A") SHALL BE CONTINUOUS OVER THE PIER.

HI-R-H CMU LINTEL SCHEDULE

SCALE: NONE

E



MARK	TYPE	VERT REINF	HORIZ REINF	JAMBS Ⓔ	REMARKS
W1	12" HI-R-H CMU	#5 @ 24" EF	#4 @ 24"	(4) #5	TYP, UNO
W2	12" HI-R-H CMU	#5 @ 24" EF	#4 @ 24"	(4) #6	
W3	12" HI-R-H CMU	#5 @ 16" EF	#4 @ 24"	(4) #5	

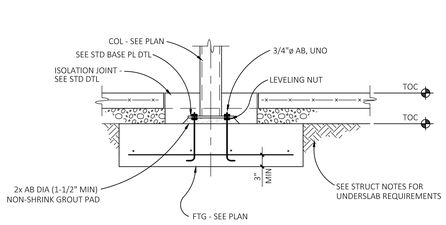
NOTES:

1. ALL CMU SHALL BE SOLID GROUTED. CENTER BARS IN CELLS/CAVITIES, UNO.
2. SPECIAL INSPECTION IS REQUIRED AS DESCRIBED IN THE STRUCTURAL NOTES.
3. REFER TO STANDARD DETAILS FOR TYPICAL CMU WALL DETAILS.
4. WHERE BARS ARE REQD AT EACH FACE, PLACE BAR 2" CLR OF INTERIOR FACE OF CMU AND 3/4" CLR OF CAVITY INSULATION @ EXTERIOR FACE.
5. COORDINATE W/ ARCH REGARDING EXTENT AND LOCATION OF SPLIT-FACE AND REGULAR SMOOTH-FACE CMU.
6. REINFORCE JAMBS AS SHOWN ABOVE, UNO.
7. SEE LINTEL SCHED FOR LINTEL REINF.

HI-R-H CMU WALL SCHEDULE

SCALE: NONE

C

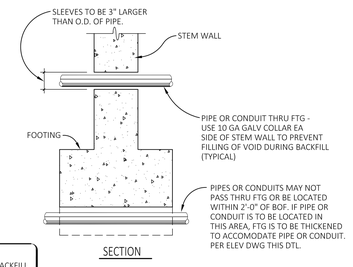


STD - ISOL COL FTG

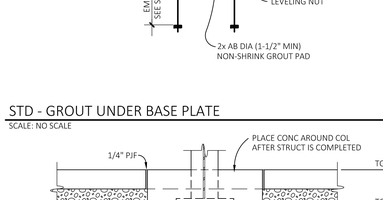
SCALE: 3/4" = 1'-0"

106

C-103



NOTE:
ALL TRENCH BACKFILL BELOW FTG SHALL BE COMPACTED TO 95% MAX DRY DENSITY.



STD - FOOTING REINFORCEMENT

SCALE: 3/4" = 1'-0"

105

C-101

STD - PIPE SLEEVES THROUGH FOOTING

SCALE: NONE

101

C-004

TYPE 1

TYPE 2

TYPE 3

MARK	TYPE	MAX LENGTH	MIN DEPTH	CONT T&B REINF "A"	VERT REINF "B"	HORIZ REINF "C"	REMARKS
L5	3	6'-0"	4'-0"	(2) #5	PER CMU WALL SCHED	PER CMU WALL SCHED	TYP,UNO
L6	3	10'-0"	4'-0"	(2) #7	PER CMU WALL SCHED	PER CMU WALL SCHED	
L7	2	12'-0"	4'-0"	(2) #7	#5 @ 16"	PER CMU WALL SCHED	
L8	1	4'-0"	1'-4"	(2) #5	#3 @ 8"	PER CMU WALL SCHED	

NOTES:

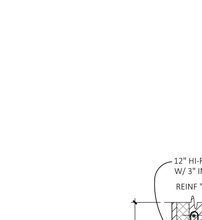
1. ALL CMU SHALL BE SOLID GROUTED. CENTER BARS IN CELLS, UNO.
2. SPECIAL INSPECTION IS REQUIRED AS DESCRIBED IN THE STRUCTURAL NOTES.
3. REFER TO STANDARD DETAILS FOR TYPICAL CMU WALL OPENING DETAILS.
4. COORDINATE W/ ARCH REGARDING EXTENT AND LOCATION OF SPLIT-FACE AND REGULAR SMOOTH-FACE CMU.
5. EXTEND T&B BARS (REINF "A") (65) BAR DIA, BUT NOT LESS THAN 24", BEYOND FACE OF OPENING, OR TERMINATE WITH STD HK.
6. AT END OF WALL WHERE PIER LENGTH PRECLUDES COMPLIANCE WITH NOTE 5, TERMINATE T&B BARS (REINF "A") WITH STD HK's.
7. FOR LINTELS WHICH SPAN ACROSS INTERMEDIATE PIERS ≤4'-0" IN LENGTH, T&B BARS (REINF "A") SHALL BE CONTINUOUS OVER THE PIER.

CMU LINTEL SCHEDULE

SCALE: NONE

SCHD17

F



MARK	TYPE	VERT REINF	HORIZ REINF	JAMBS Ⓔ	REMARKS
W5	8" CMU	#5 @ 32"	#4 @ 32"	(2) #5	TYP, UNO
W6	8" CMU	#5 @ 24"	#4 @ 32"	(2) #5	
W7	8" CMU	#5 @ 16"	#4 @ 32"	(2) #5	

NOTES:

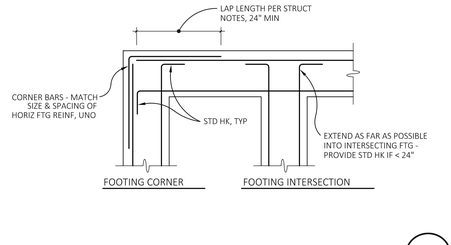
1. ALL CMU SHALL BE SOLID GROUTED. CENTER BARS IN CELLS, UNO.
2. SPECIAL INSPECTION IS REQUIRED AS DESCRIBED IN THE STRUCTURAL NOTES.
3. REFER TO STANDARD DETAILS FOR TYPICAL CMU WALL DETAILS.
4. WHERE BARS ARE REQD AT EACH FACE, PLACE BAR 2" CLR OF OUTSIDE FACE OF CMU.
5. COORDINATE W/ ARCH REGARDING EXTENT AND LOCATION OF SPLIT-FACE AND REGULAR SMOOTH-FACE CMU.
6. REINFORCE JAMBS AS SHOWN ABOVE, UNO.
7. SEE LINTEL SCHED FOR LINTEL REINF.

CMU WALL SCHEDULE

SCALE: NONE

SCHD16

D



BAR SIZE	STANDARD HOOKS			STD HOOKS FOR STIRRUPS, TIES, & HOOPS			
	MIN BEND DIA., D	STRAIGHT EXTENSION, L ext		MIN BEND DIA., D	STRAIGHT EXTENSION, L ext		
		90° HOOK	180° HOOK		90° HOOK	135° HOOK	180° HOOK
#3	2.25"	4.5"	2.5"	1.5"	3"	3"	2.5"
#4	3"	6"	2.5"	2"	3"	3"	2.5"
#5	3.75"	7.5"	2.5"	2.5"	3.75"	3.75"	2.5"
#6	4.5"	9"	3"	4.5"	9"	4.5"	3"
#7	5.25"	10.5"	3.5"	5.25"	10.5"	5.25"	3.5"
#8	6"	12"	4"	6"	12"	6"	4"
#9	9"	13.5"	4.5"				
#10	10"	15"	5"				
#11	11"	16.5"	5.5"				
#14	17.5"	21"	7"				
#18	22.5"	27"	9"				

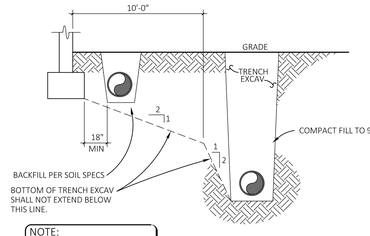
REF: ACI 318-19(22), SEC. 25.3

STD - STANDARD HOOKS FOR REBAR

SCALE: NONE

C-007 (10/25)

104



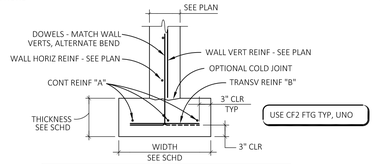
NOTE:
THE CONTRACTOR SHALL COORDINATE ALL EXCAVATION OPERATIONS WITH BUILDING FOUNDATION REQUIREMENTS.

STD - EXCAVATION ADJACENT TO FOOTING

SCALE: NONE

C-003

100



MARK	WIDTH	THICKNESS	CONT REINF "A"	TRANSV REINF "B"
CF1	1'-0"	1'-0"	(2) #4	—
CF1.3	1'-4"	1'-0"	(2) #4	—
CF1.5	1'-6"	1'-0"	(2) #4	—
CF2	2'-0"	1'-0"	(3) #4	—
CF2.5	2'-6"	1'-2"	(3) #5	—
CF3	3'-0"	1'-6"	(4) #5	—
CF3.5	3'-6"	1'-8"	(4) #6	—
CF4	4'-0"	1'-10"	(5) #6	—
CF5	5'-0"	1'-10"	(6) #6	#4 @ 14"
CF6	6'-0"	1'-10"	(7) #6	#5 @ 14"

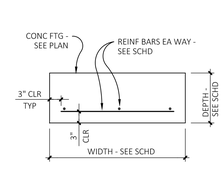
CONTINUOUS WALL FOOTING SCHEDULE

SCALE: NONE

SCHD07 (5/18)

A

MARK	WIDTH, B	DEPTH, D	REINF BARS EACH WAY
F1.5	1'-6"	1'-0"	(2) #4
F1.67	1'-8"	1'-0"	(3) #4
F2	2'-0"	1'-0"	(3) #4
F2.5	2'-6"	1'-0"	(4) #4
F3	3'-0"	1'-0"	(3) #5
F3.5	3'-6"	1'-2"	(4) #5
F4	4'-0"	1'-4"	(4) #6
F4.5	4'-6"	1'-4"	(4) #6
F5	5'-0"	1'-4"	(4) #6
F6	6'-0"	1'-6"	(6) #6
F7	7'-0"	1'-8"	(7) #6
F8	8'-0"	1'-10"	(7) #7
F9	9'-0"	2'-0"	(8) #7
F10	10'-0"	2'-2"	(8) #8
F11	11'-0"	2'-6"	(8) #9
F12	12'-0"	2'-8"	(9) #9
F13	13'-0"	2'-10"	(10) #9



SQUARE FOOTING SCHEDULE

SCALE: NONE

SCHD11 (7/20)

B

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info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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SHIELDS ENGINEERING, inc
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775-829-9359 (fax)
www.shieldsengineering.com

Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

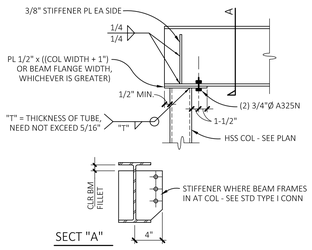
drawing title
SCHEDULES AND STANDARD DETAILS

job number
25047

date
OCTOBER 27, 2026

drawing number
S1.1

3/25/2025 2:04:47 PM, JPA

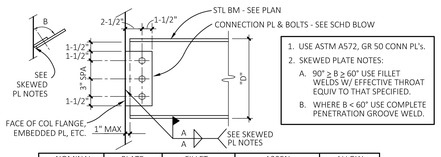


STD - BEAM TO COLUMN CONN

SCALE: NO SCALE

S-104

133



1. USE ASTM A572, GR 50 CONN PL's.
2. SKEWED PLATE NOTES:
   A. 90° ≥ B ≥ 60° USE FILLET WELDS W/ EFFECTIVE THROAT EQUIV TO THAT SPECIFIED.
   B. WHERE B < 60° USE COMPLETE PENETRATION GROOVE WELD.

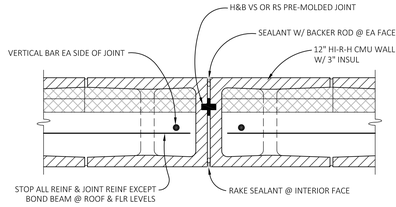
NOMINAL DEPTH "D"	PLATE THKNS	FILLET WELD, A	A325N BOLTS	ALLOW LOAD (ASD)
8	1/4"	3/16"	(2) 1"ø	11.3[k]
10	1/4"	3/16"	(2) 1"ø	12.6[k]
12	3/8"	1/4"	(3) 1"ø	26.4[k]
14	3/8"	1/4"	(3) 1"ø	30.4[k]
16	3/8"	1/4"	(4) 1"ø	53.0[k]
18	3/8"	1/4"	(4) 1"ø	56.7[k]
21	3/8"	1/4"	(5) 1"ø	70.8[k]
24	3/8"	1/4"	(6) 1"ø	85.0[k]
27	1/2"	5/16"	(7) 1"ø	125[k]
30	1/2"	5/16"	(8) 1"ø	125[k]
33	1/2"	5/16"	(9) 1"ø	136[k]
36	1/2"	5/16"	(10) 1"ø	146[k]

STD - SINGLE-PLATE SHEAR CONN (TYPE I)

SCALE: NO SCALE

S-005 (8/23)

128



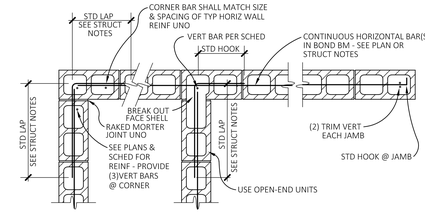
NOTE:
JOINTS SHALL BE SPACED @ 40'-0" MAX. DO NOT LOCATE JOINTS CLOSER THAN 4'-0" TO OPENINGS IN WALL OR TO WALL INTERSECTIONS. DO NOT PROVIDE JOINTS IN WALLS LESS THAN 40'-0" LONG

STD - HI-R-H CMU WALL EXPANSION/CONTROL JOINT

SCALE: NONE

M-302

123

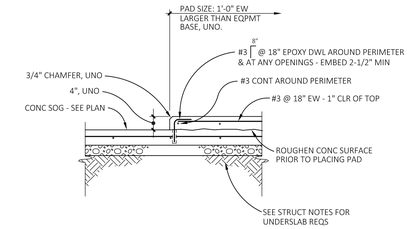


STD - REINF IN CMU

SCALE: NO SCALE

M-102

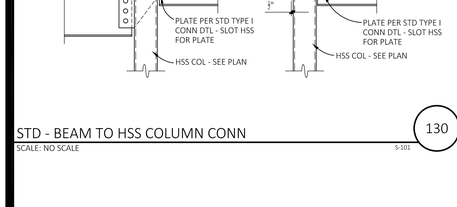
118



STD - HOUSE KEEPING PAD

SCALE: NONE

113

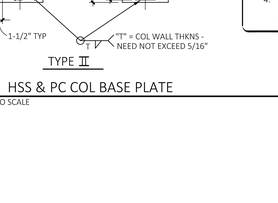


STD - BEAM TO COLUMN CONN

SCALE: NO SCALE

S-103

132

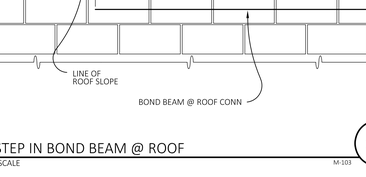


STD - FULL HEIGHT WEB STIFFENER

SCALE: NO SCALE

S-004

127



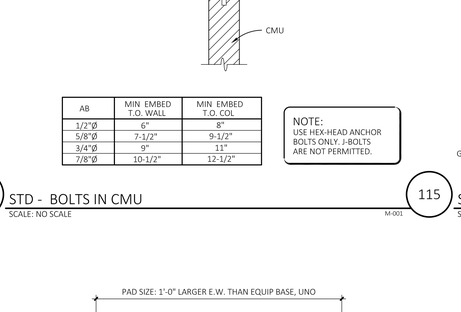
NOTE:
JOINTS SHALL BE SPACED @ 40'-0" MAX. DO NOT LOCATE JOINTS CLOSER THAN 4'-0" TO OPENINGS IN WALL OR TO WALL INTERSECTIONS. DO NOT PROVIDE JOINTS IN WALLS LESS THAN 40'-0" LONG

STD - CMU WALL EXPANSION JOINT

SCALE: NO SCALE

M-106

122



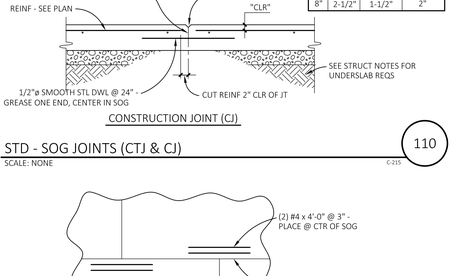
NOTE:
WHERE 1'-4" ≤ L ≤ 3'-0" PROVIDE (2)#4 TRIM BARS ALL AROUND. EXTEND 65 DIA MIN PAST OPNGS.

STD - REINF AROUND OPN'G IN CMU

SCALE: NO SCALE

M-101

117



STD - STEP IN SOG (>3")

SCALE: NONE

C-206

112

STD - BEAM TO HSS COLUMN CONN

SCALE: NO SCALE

S-102

131

CONDITION SHOWN FOR CONCENTRATED LOAD OR SUPPORT ON BTM FLANGE. AT CONCENTRATED LOAD ON TOP FLANGE, DETAIL SHALL BE INVERTED.

STD - WEB STIFFENER

SCALE: NO SCALE

S-005

126

ELEVATION @ FIRST COURSE OF BLOCK

NOTES:
1. FIRST COURSE OF BLOCK:
   USE ONLY DOUBLE OPEN END BOND BM UNITS W/ INT FACES REMOVED AS REQD TO PROVIDE ACCESS TO BOTTOM OF EA CELL. REMOVE ALL MORTAR & FOREIGN MATERIAL & FORM UP FACE OF HOLES AS REQD TO FILL CELLS W/ GROUT AS SPECIFIED. REPLACE FACE SHELL WHERE EXPOSED
2. CLEAN-OUTS REQD WHERE GROUT POUR HEIGHT EXCEEDS 5'-4".

STD - TYPICAL CMU WALL CLEAN-OUT

SCALE: NO SCALE

M-105

121

WALL T	TYP EMBED AB DIAMETER 1/2"	5/8"	3/4"	7/8"
6"	3"	3"	-	-
8"	5"	5"	4-3/4"	4-3/4"
12"	5"	5"	6"	6"

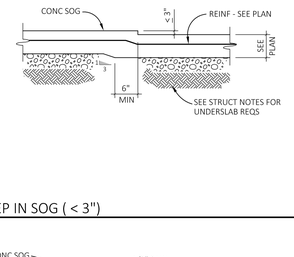
NOTE:
USE HEX-HEAD ANCHOR BOLTS ONLY. J-BOLTS AND L-BOLTS ARE NOT PERMITTED.

STD - BOLTS IN CMU

SCALE: NO SCALE

M-002

116



STD - STEP IN SOG (< 3")

SCALE: NONE

C-205

111

STD - BEAM TO HSS COLUMN CONN

SCALE: NO SCALE

S-101

130

NOTES:
1. USE 1-1/2" BASE PLATE THICKNESS, UNO.
2. USE 3/4"ø AB, UNO - FURNISH W/ LEVELING NUTS.
3. OVERSIZE AB HOLES AS FOLLOWS:

AB DIA	OVERSIZE
3/4" - 7/8"	3/16"
1"	1/4"
≥ 1"	5/16"

4. PROVIDE 2x AB DIA (1-1/2" MIN) NON-SHRINK GROUT PAD UNDER BASE PLATE, UNO.

STD - HSS & PC COL BASE PLATE

SCALE: NO SCALE

S-001

125

STD - STEP IN BOND BEAM @ ROOF

SCALE: NO SCALE

M-103

120

AB	MIN EMBED T.O. WALL	MIN EMBED T.O. COL
1/2"ø	6"	8"
5/8"ø	7-1/2"	9-1/2"
3/4"ø	9"	11"
7/8"ø	10-1/2"	12-1/2"

NOTE:
USE HEX-HEAD ANCHOR BOLTS ONLY. J-BOLTS ARE NOT PERMITTED.

STD - BOLTS IN CMU

SCALE: NO SCALE

M-001

115

"T"	"CLR"	"TJ" (MIN)	"TJ" (MAX)
4"	1-1/2"	1"	1-1/4"
5"	1-3/4"	1"	1-1/4"
6"	2"	1-1/4"	1-1/2"
8"	2-1/2"	1-1/2"	2"

STD - SOG JOINTS (CTJ & CJ)

SCALE: NONE

C-215

110

CONTINUOUS SPECIAL INSPECTION IS REQUIRED.

STD - TYP STEEL BEAM FIELD SPLICE

SCALE: NONE

S-013

129

STD - COLUMN IN CMU

SCALE: NO SCALE

M-107

124

STD - REINF IN HI-R-H CMU WALL

SCALE: NONE

M-301

119

STD - EXT. EQUIPMENT PAD

SCALE: NONE

C-217

114

STD - ADDL SOG REINF

SCALE: 3/4" = 1'-0"

C-201

109

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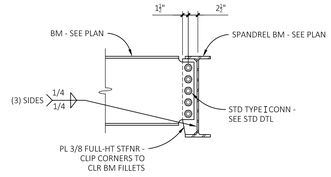
drawing title
STANDARD DETAILS

job number
25047

date
OCTOBER 27, 2026

drawing number
S1.2

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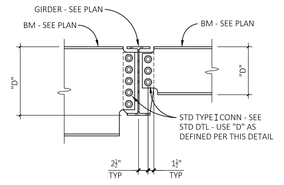


STD - BEAM TO SPANDREL CONNECTION

SCALE: NO SCALE

S-202

135



STD - BM TO GIRDER CONN

SCALE: NO SCALE

S-203

134

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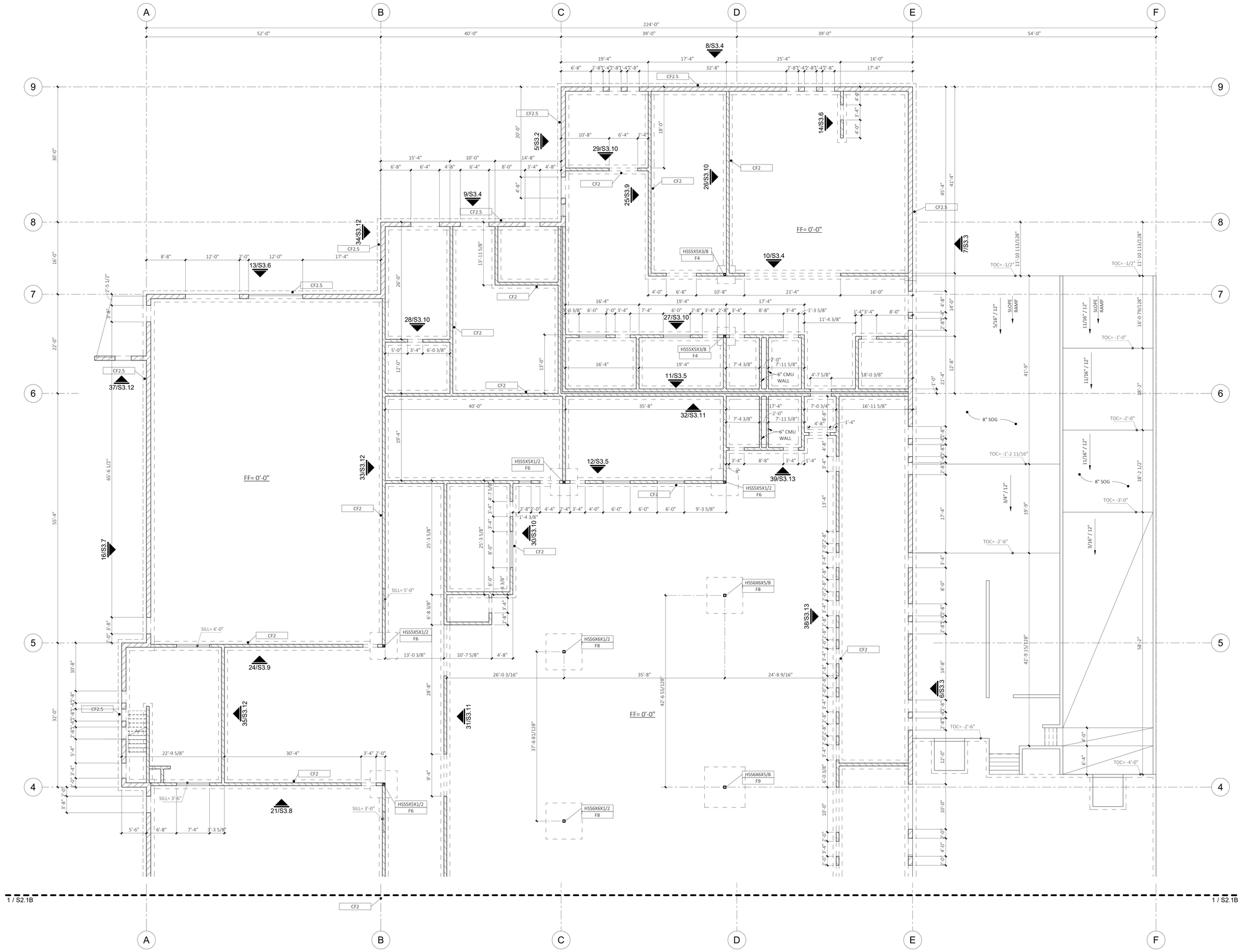
drawing title
STANDARD DETAILS

job number
25047

date
OCTOBER 27, 2026

drawing number
S1.3

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1 FOUNDATION PLAN - AREA A
1/8" = 1'-0"

10/23/2026 4:13:59 PM

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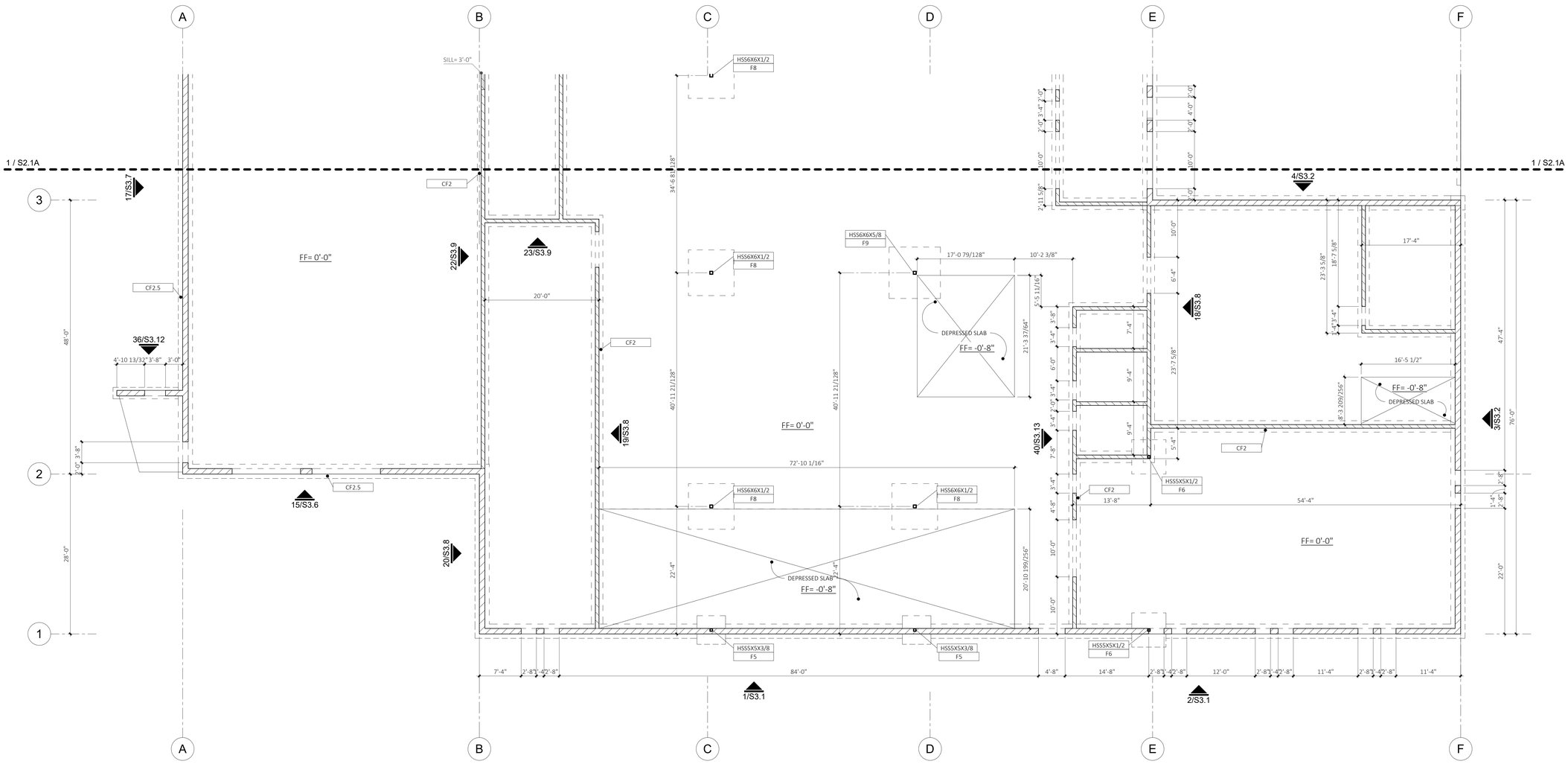
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drawing title
FOUNDATION PLAN - AREA A

job number
25015

date
OCTOBER 27, 2026

drawing number
S2.1A



1 FOUNDATION PLAN - AREA B
1/8" = 1'-0"

10/23/2026 4:14:04 PM

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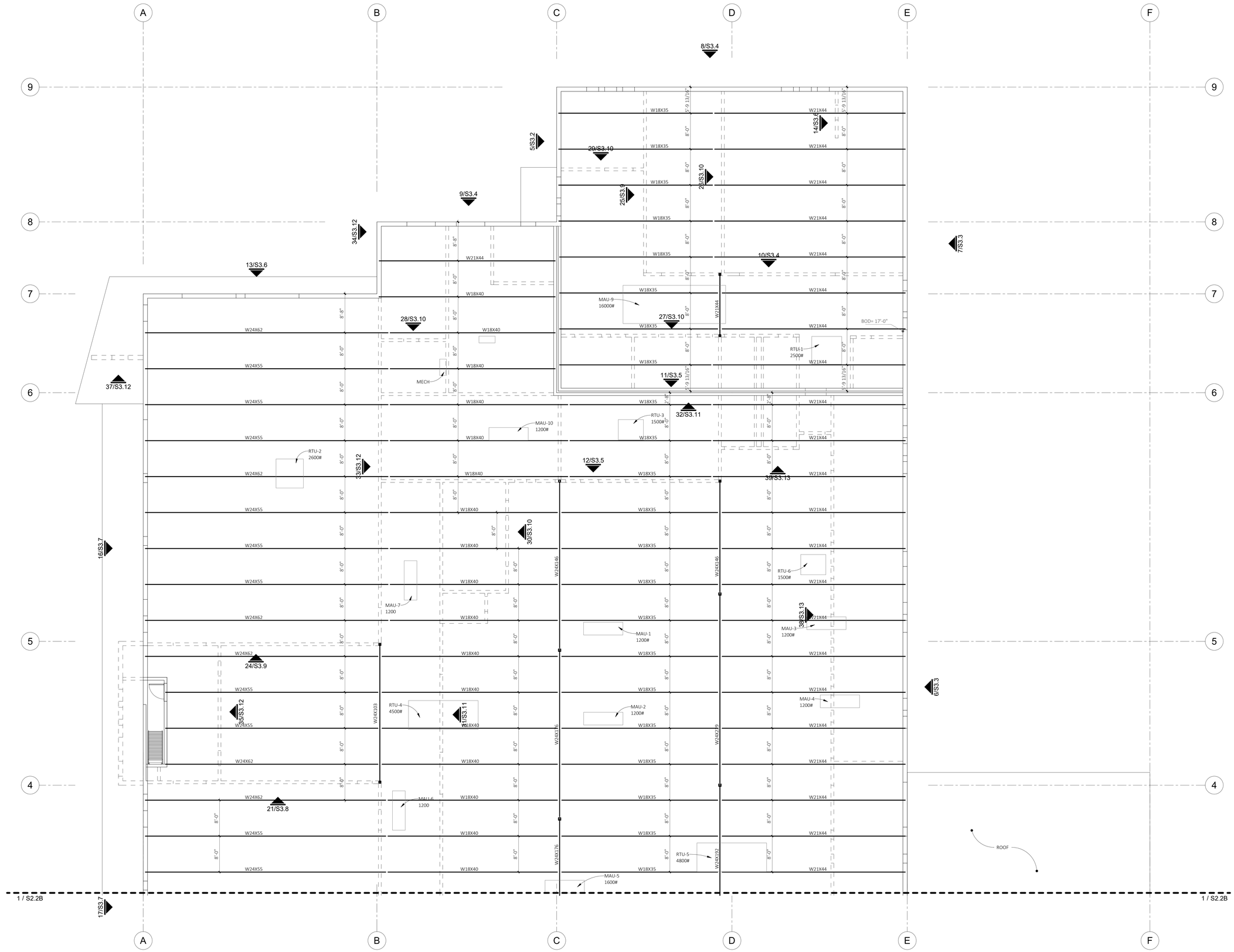
DESIGN DEVELOPMENT

drawing title
FOUNDATION PLAN - AREA B

job number
25015

date
OCTOBER 27, 2026

drawing number
S2.1B



1 ROOF FRAMING PLAN - AREA A
1/8" = 1'-0"

10/23/2026 4:14:09 PM

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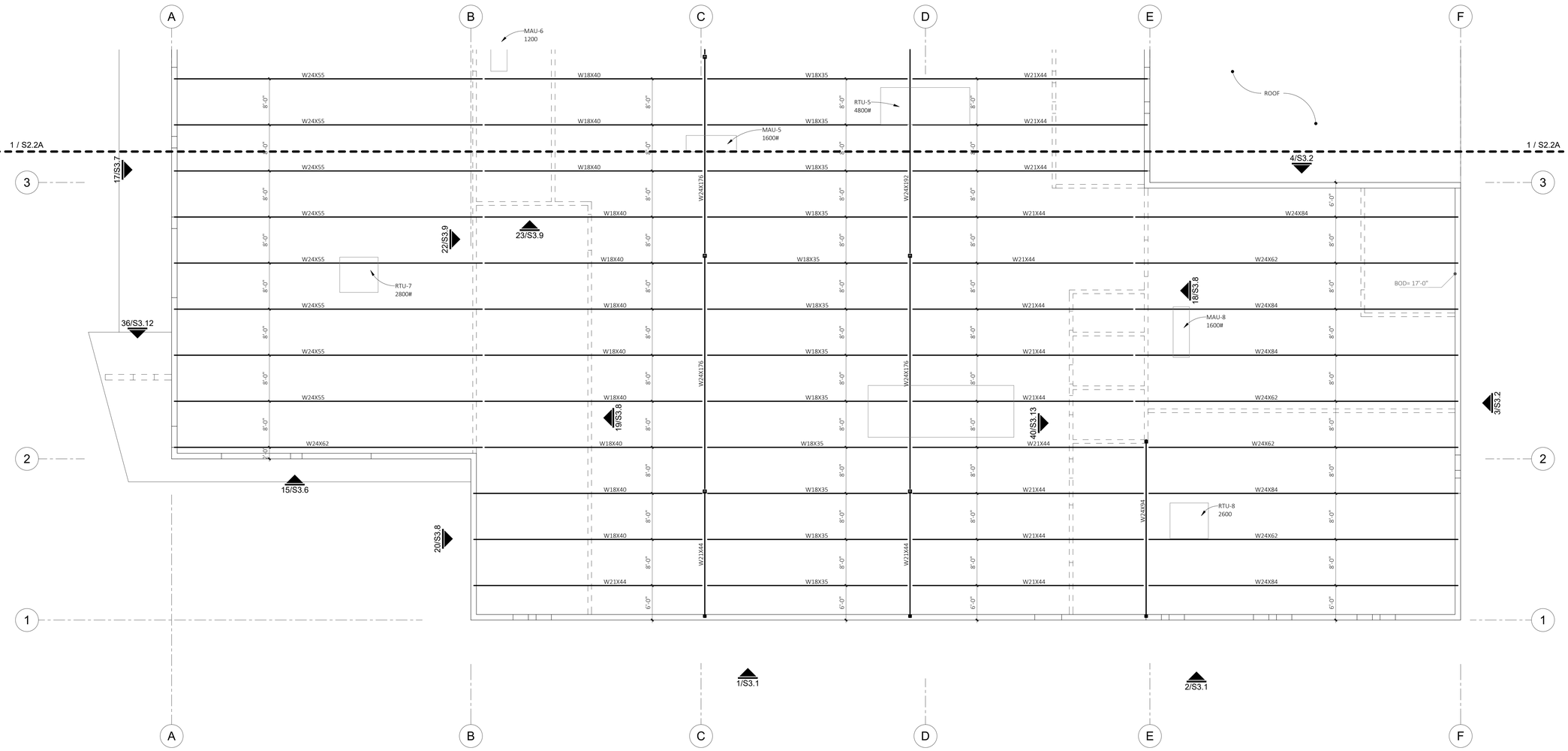
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drawing title
ROOF FRAMING PLAN - AREA A

job number
25015

date
OCTOBER 27, 2026

drawing number
S2.2A



1 ROOF FRAMING PLAN - AREA B
1/8" = 1'-0"

10/23/2026 4:14:14 PM

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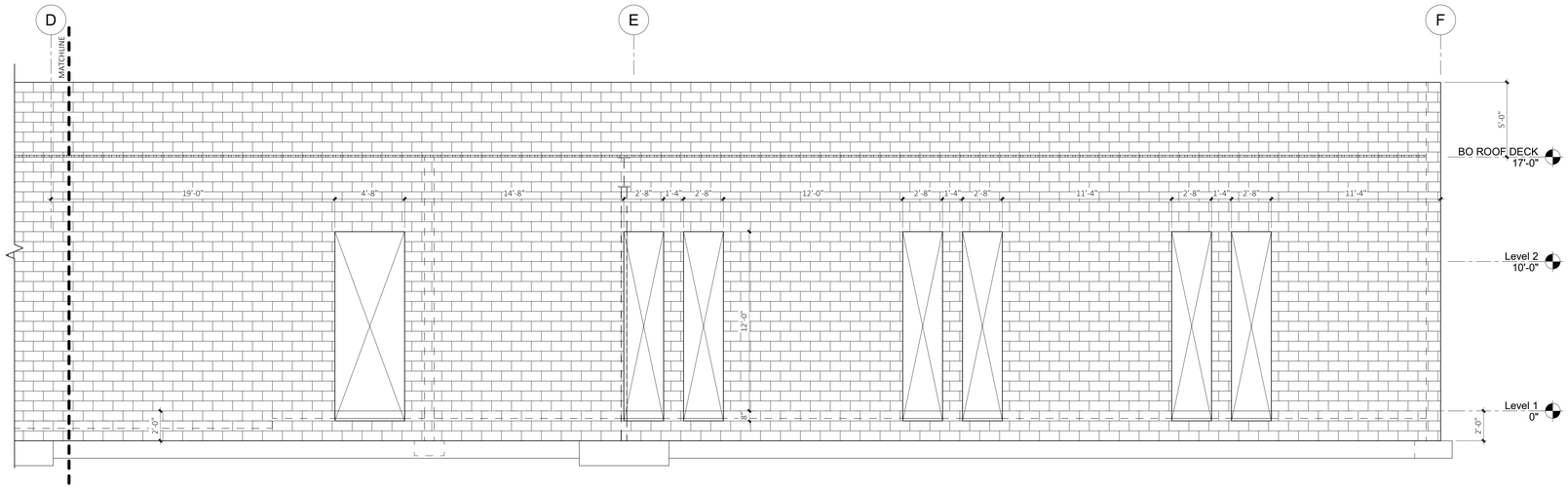
DESIGN DEVELOPMENT

drawing title
ROOF FRAMING PLAN - AREA B

job number
25015

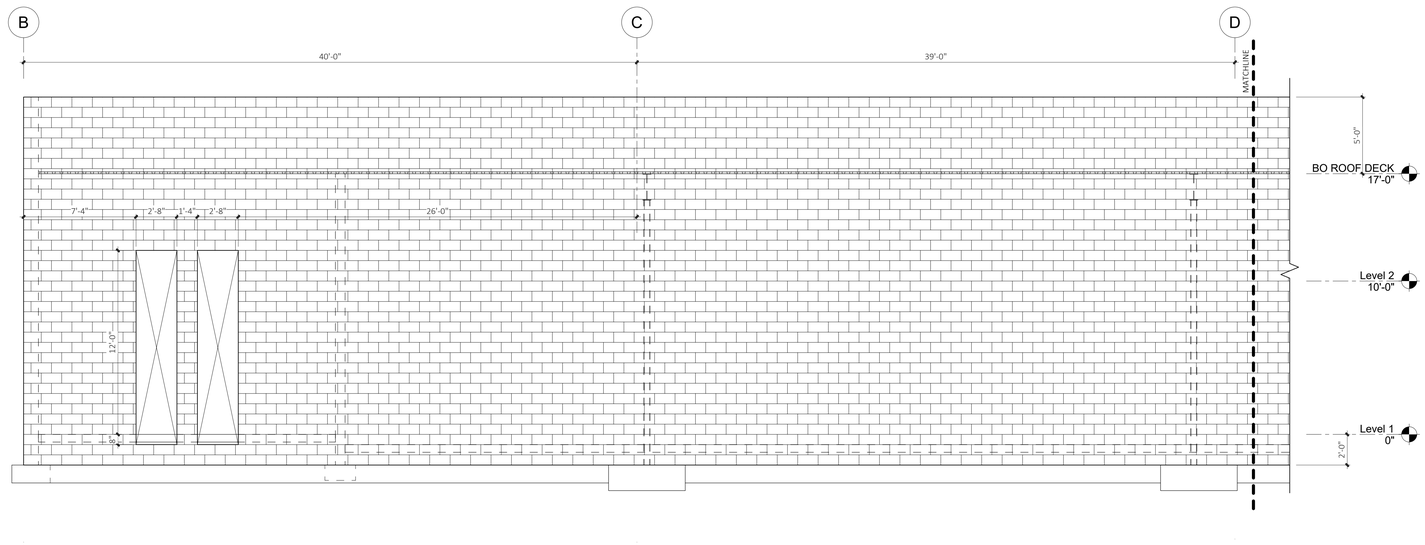
date
OCTOBER 27, 2026

drawing number
S2.2B



2 WALL ELEVATION

1/4" = 1'-0"



1 WALL ELEVATION

1/4" = 1'-0"

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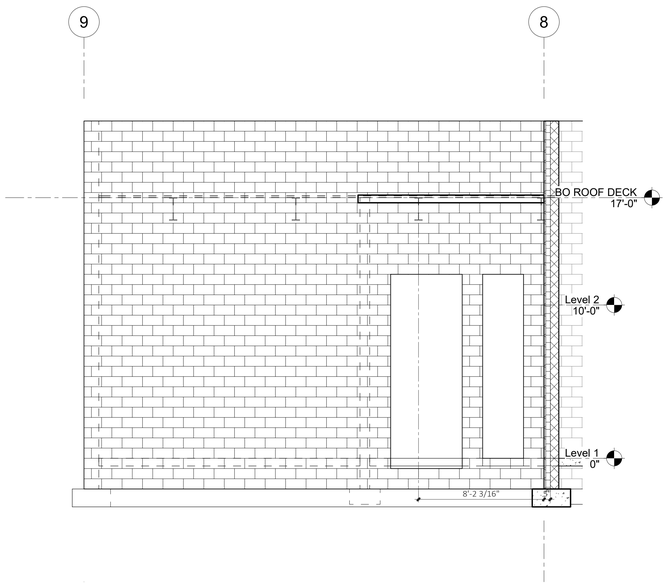
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job number
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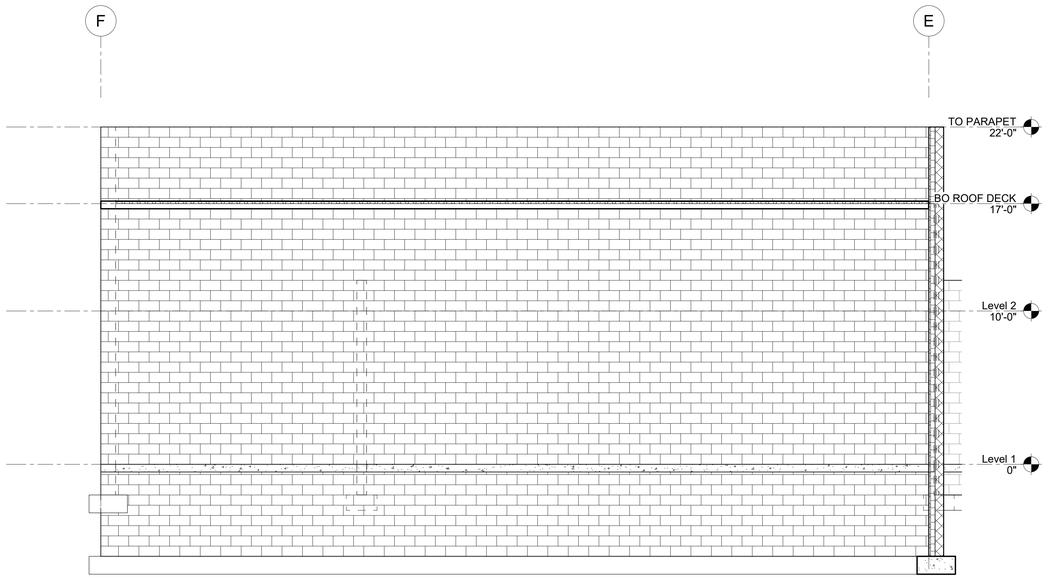
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drawing number
S3.1

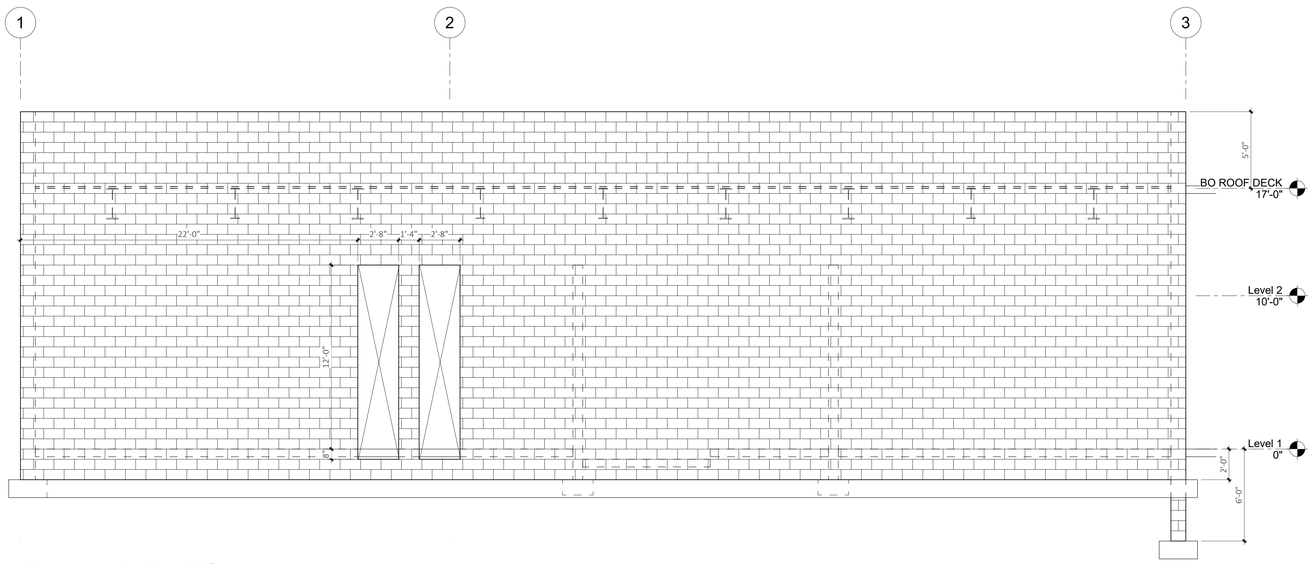
10/23/2026 4:14:18 PM



5 WALL ELEVATION
1/4" = 1'-0"



4 WALL ELEVATION
1/4" = 1'-0"



3 WALL ELEVATION
1/4" = 1'-0"

10/23/2026 4:14:44 PM

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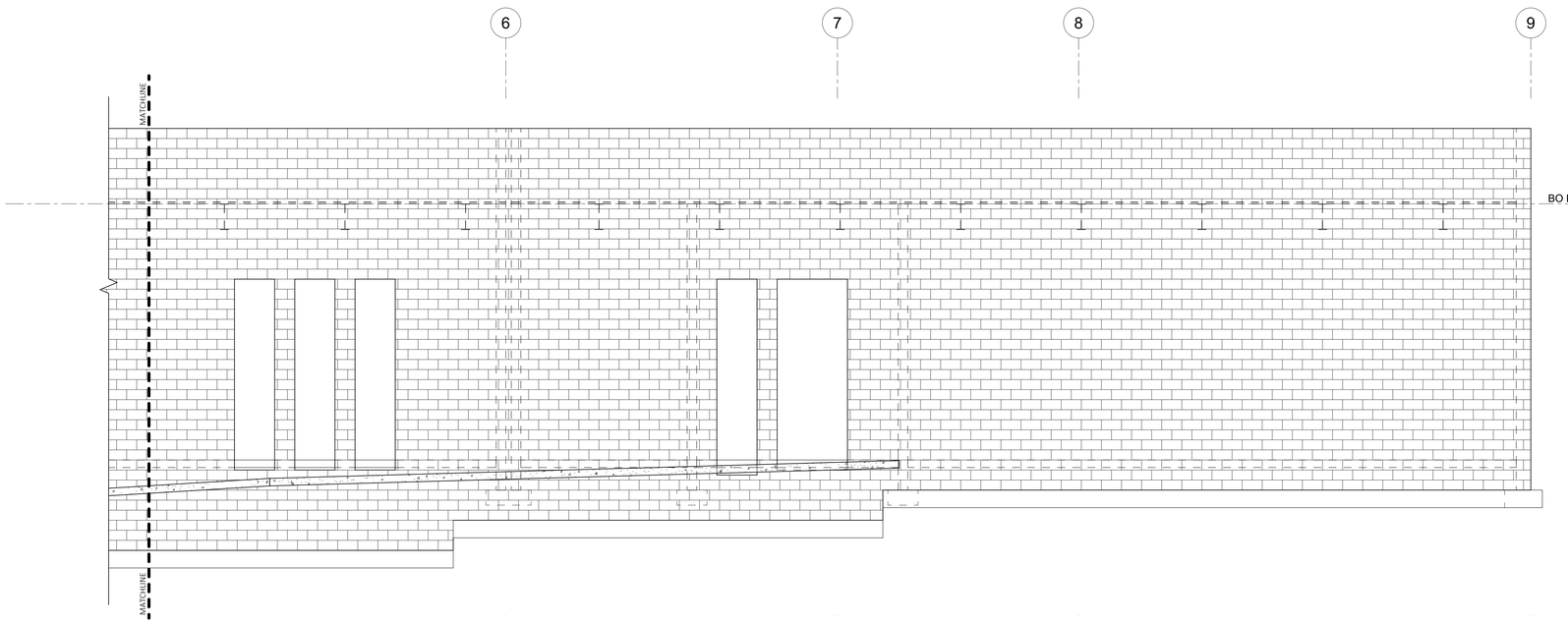
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drawing title
WALL ELEVATIONS

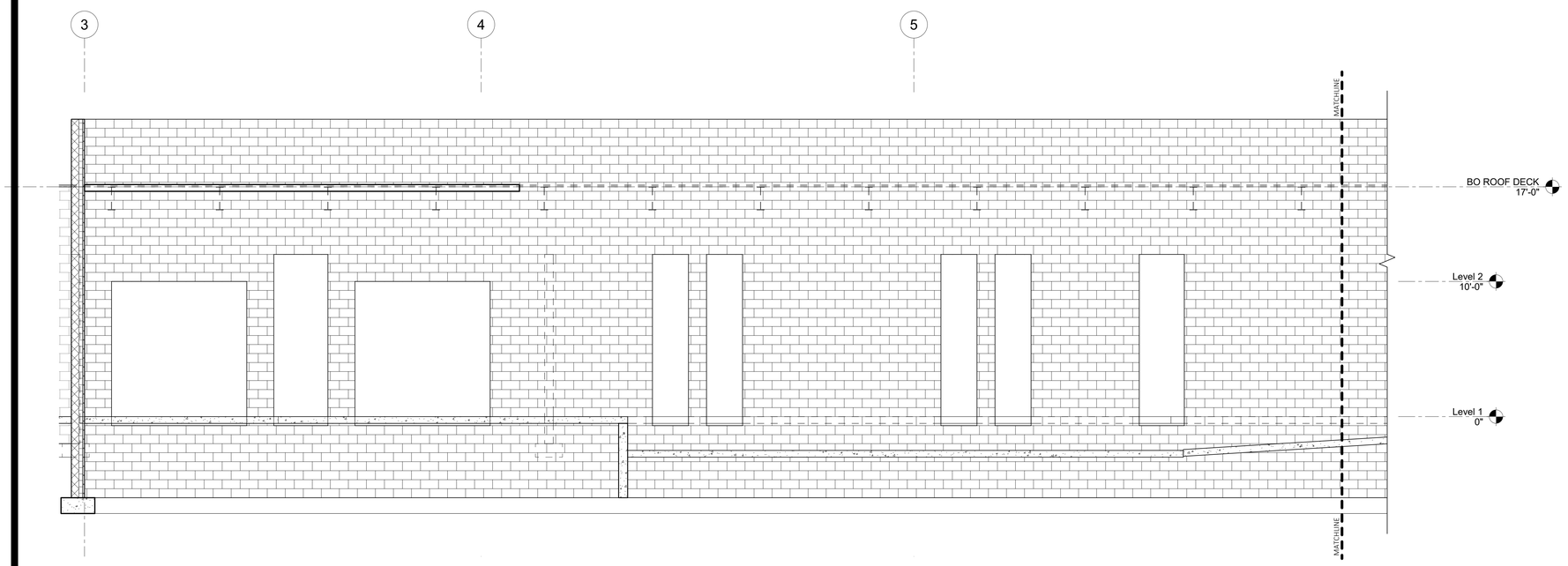
job number
25015

date
OCTOBER 27, 2026

drawing number
S3.2



7 WALL ELEVATION
1/4" = 1'-0"



6 WALL ELEVATION
1/4" = 1'-0"

10/23/2026 4:14:48 PM

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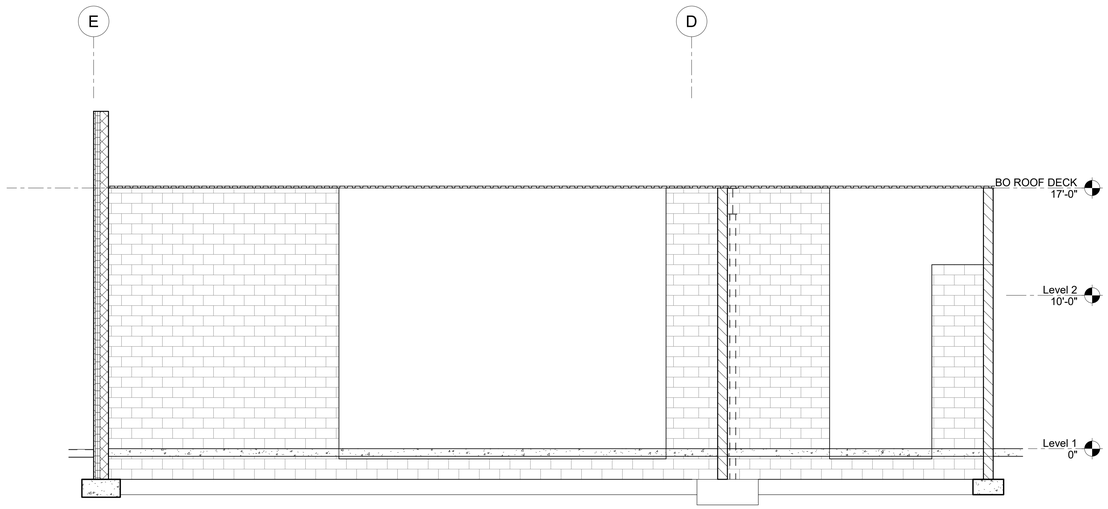
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drawing title
WALL ELEVATIONS

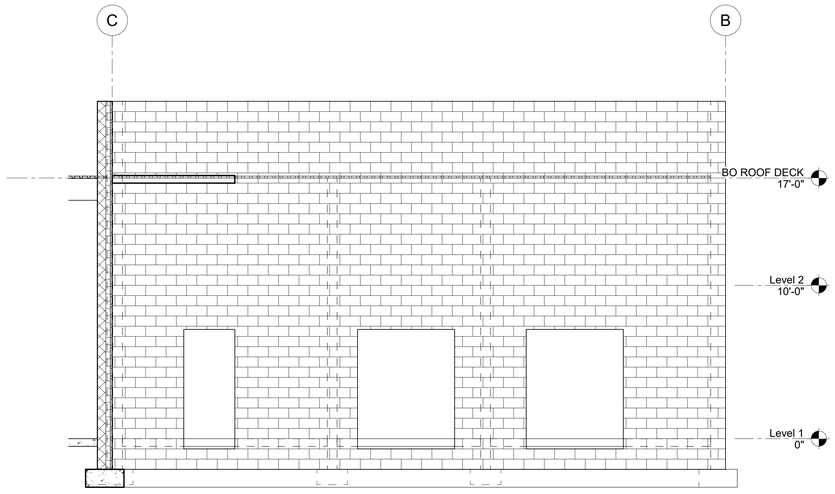
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25015

date
OCTOBER 27, 2026

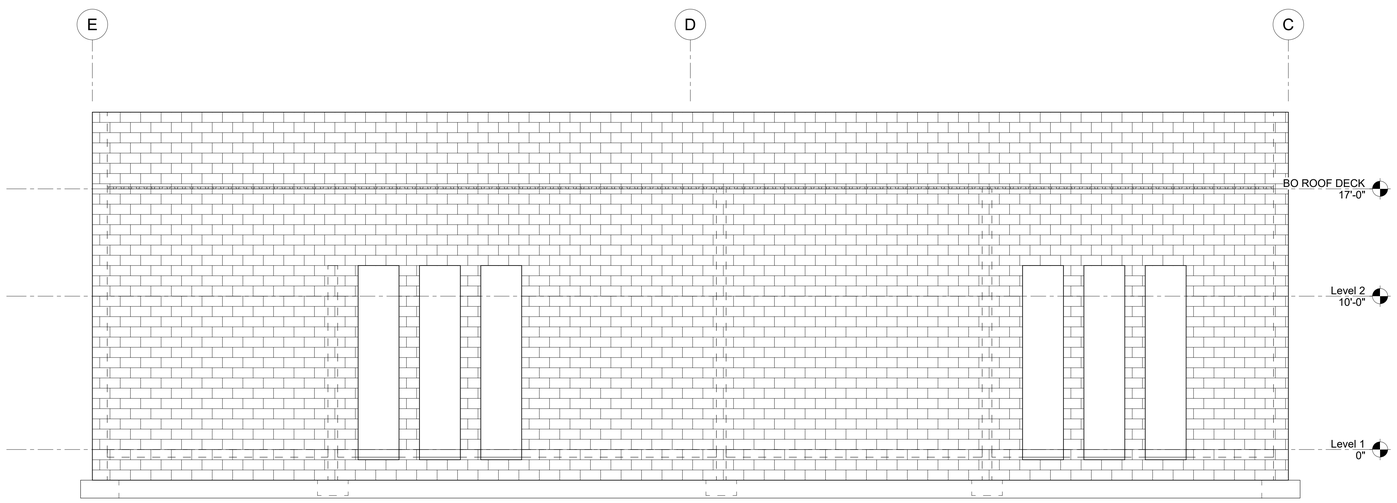
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S3.3



10 WALL ELEVATION
1/4" = 1'-0"



9 WALL ELEVATION
1/4" = 1'-0"



8 WALL ELEVATION
1/4" = 1'-0"

10/23/2026 4:14:58 PM

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STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

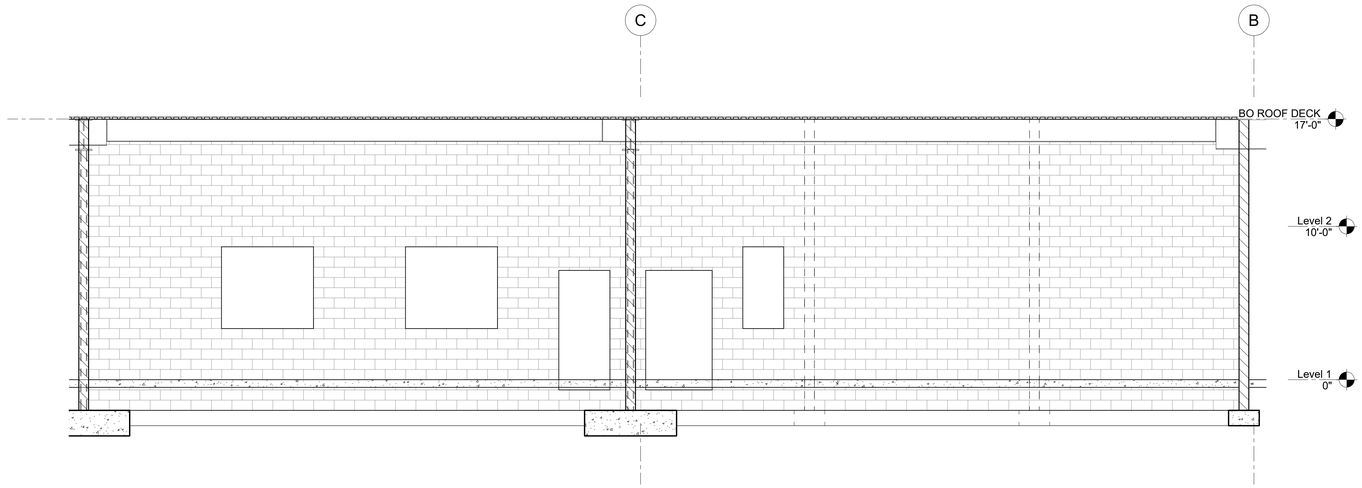
DESIGN DEVELOPMENT

drawing title
WALL ELEVATIONS

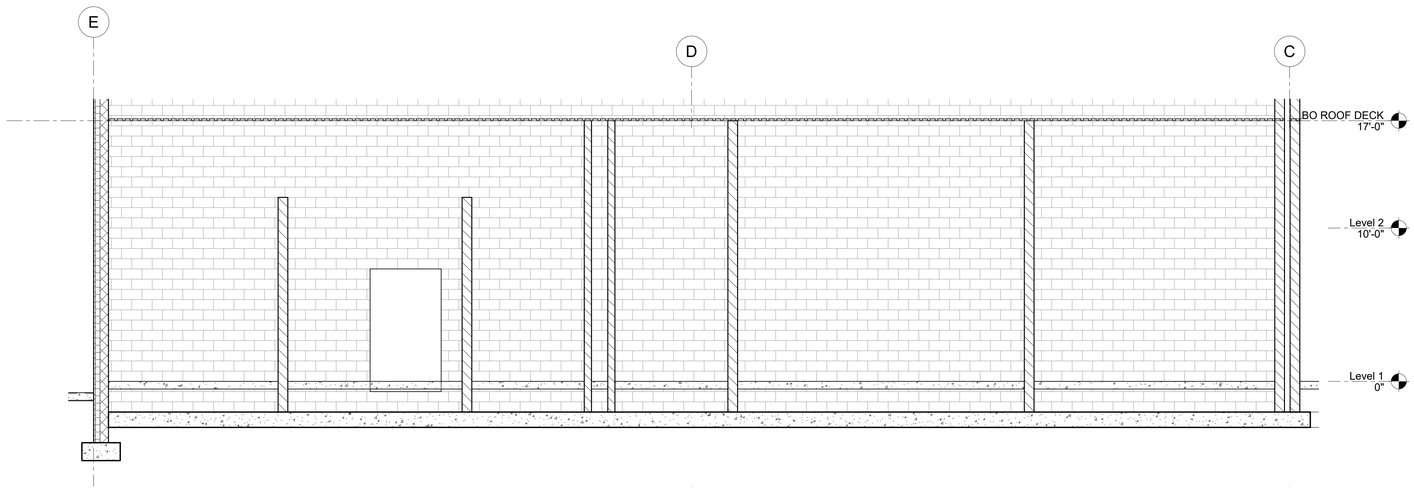
job number
25015

date
OCTOBER 27, 2026

drawing number
S3.4



12 WALL ELEVATION
1/4" = 1'-0"



11 WALL ELEVATION
1/4" = 1'-0"

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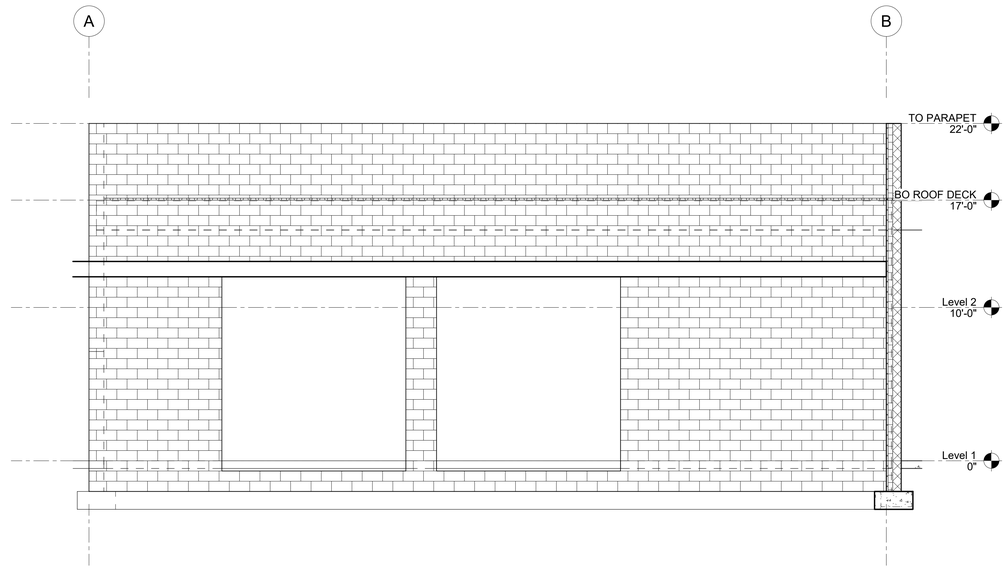
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job number
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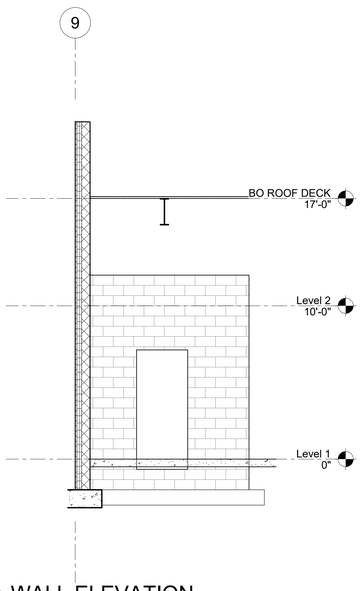
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OCTOBER 27, 2026

drawing number
S3.5

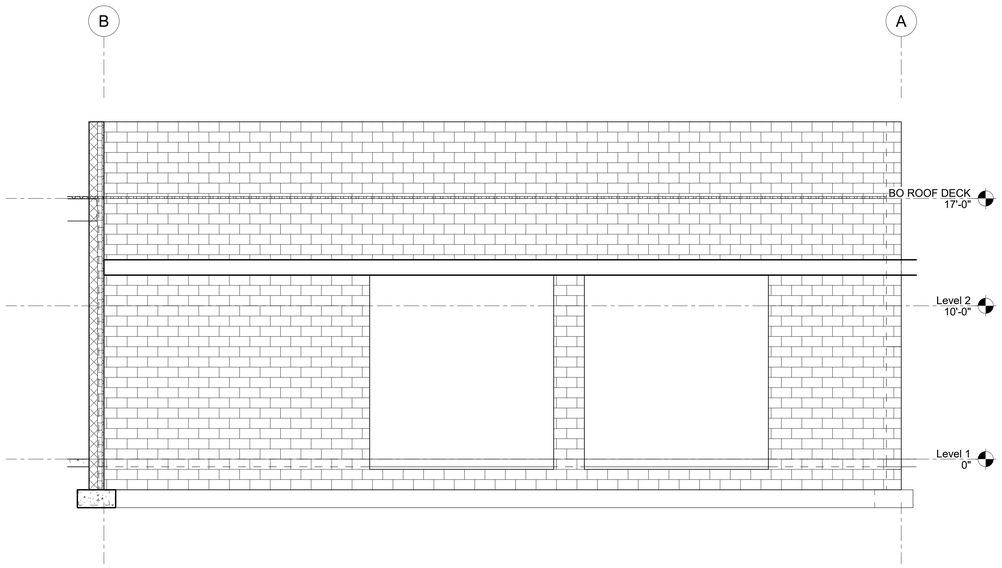
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15 WALL ELEVATION
1/4" = 1'-0"



14 WALL ELEVATION
1/4" = 1'-0"



13 WALL ELEVATION
1/4" = 1'-0"

10/23/2026 4:15:08 PM

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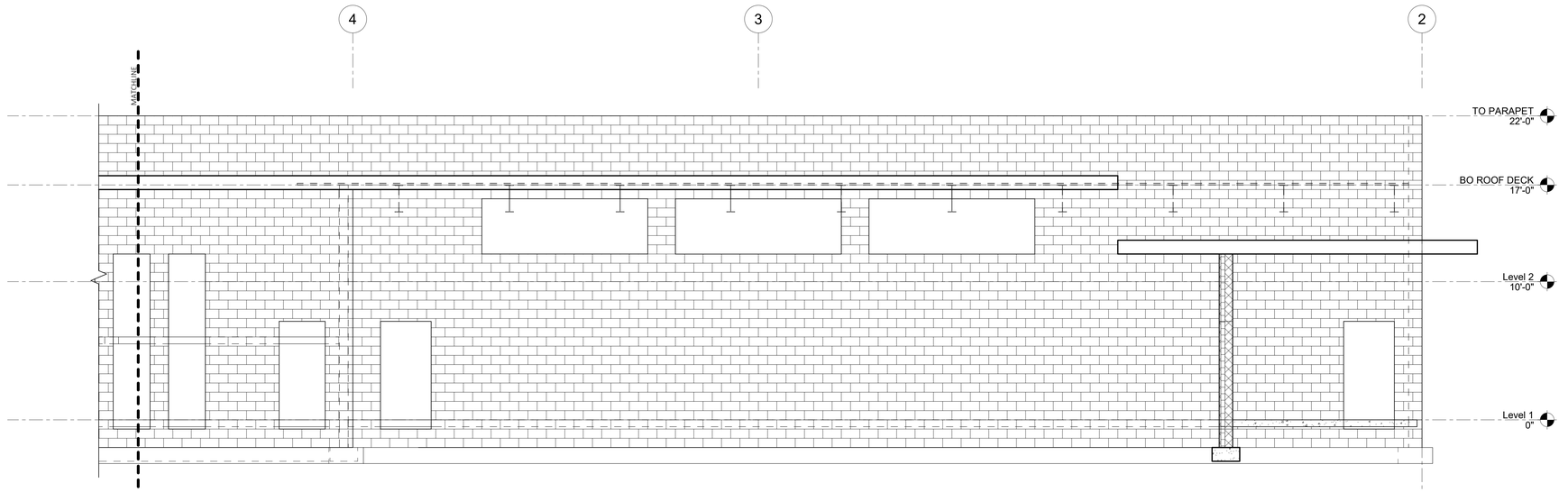
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drawing title
WALL ELEVATIONS

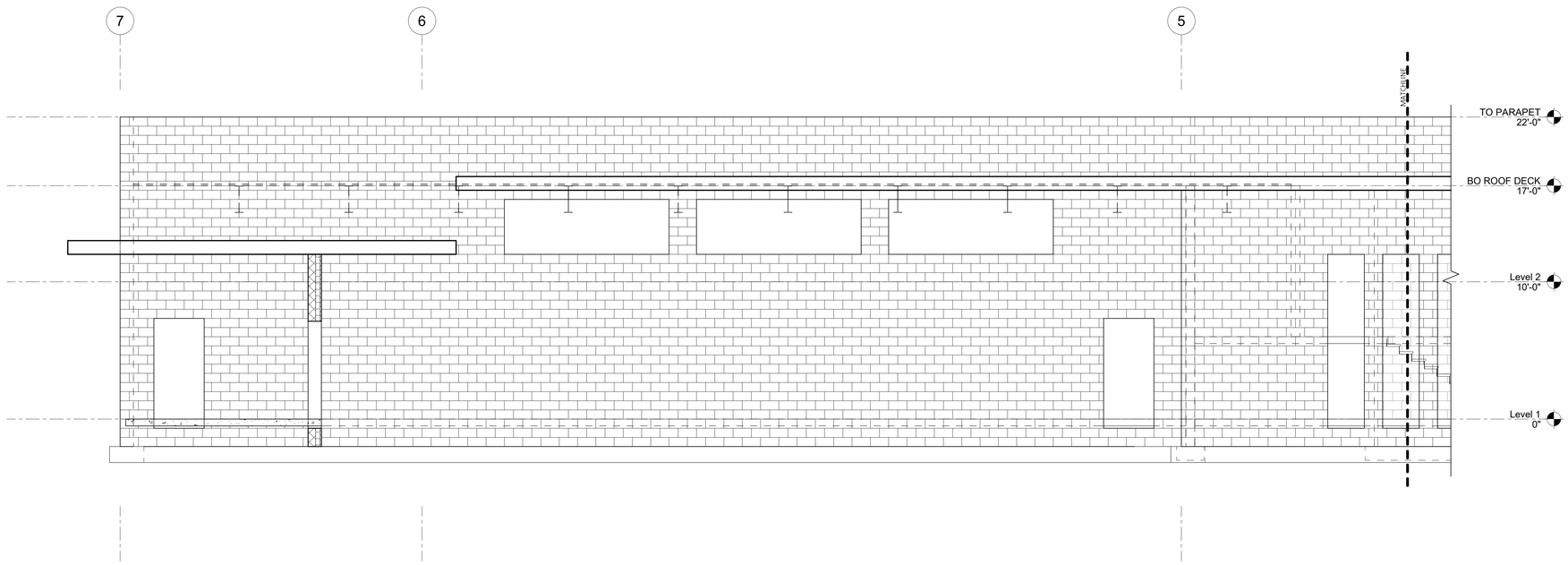
job number
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date
OCTOBER 27, 2026

drawing number
S3.6



17 WALL ELEVATION
1/4" = 1'-0"



16 WALL ELEVATION
1/4" = 1'-0"

10/23/2026 4:15:12 PM

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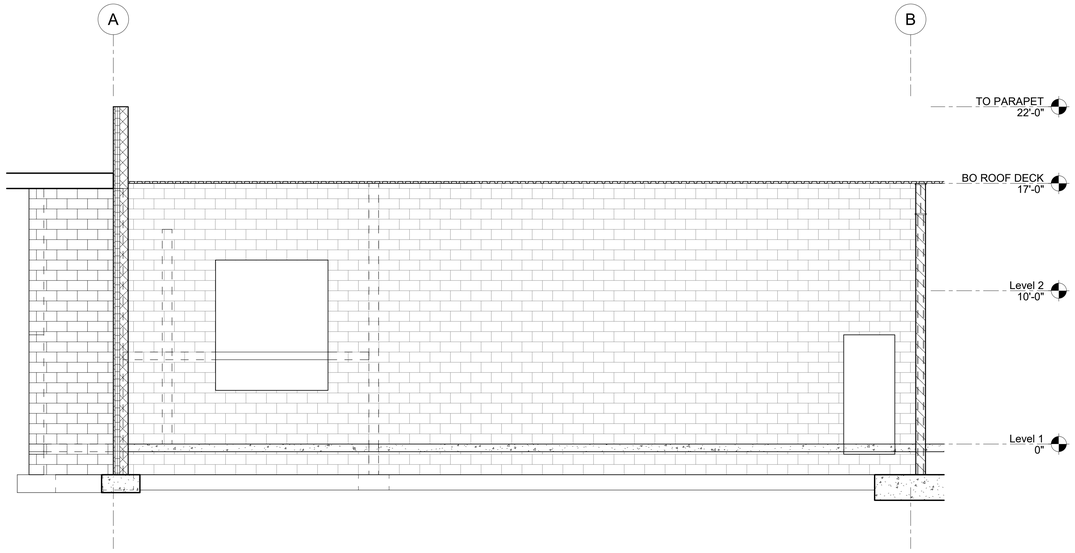
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drawing title
WALL ELEVATIONS

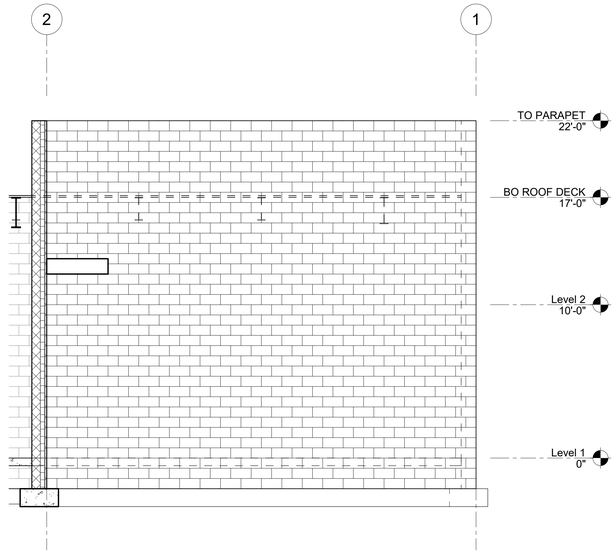
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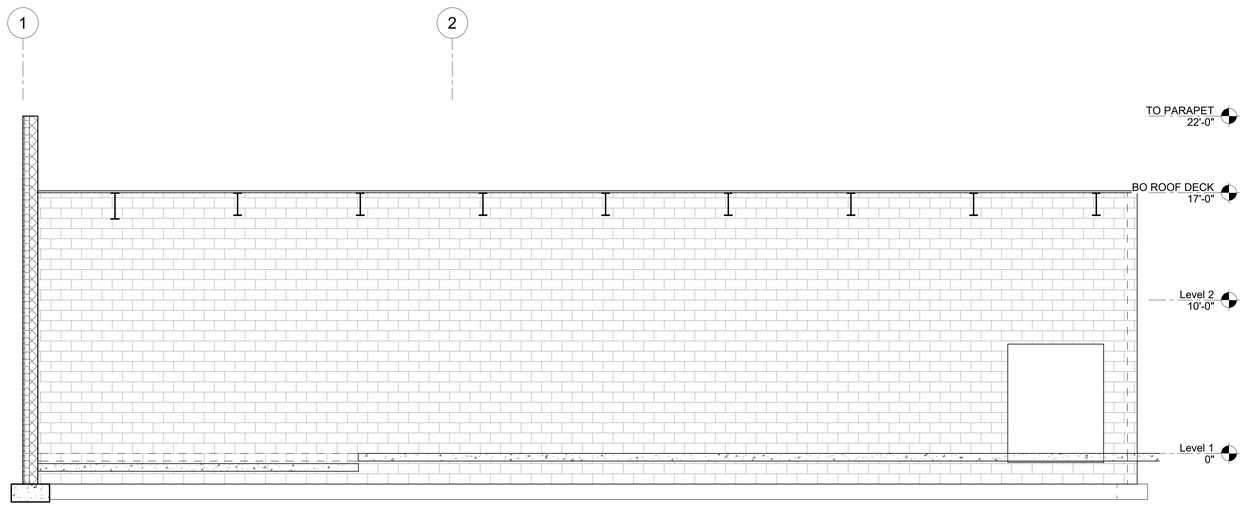
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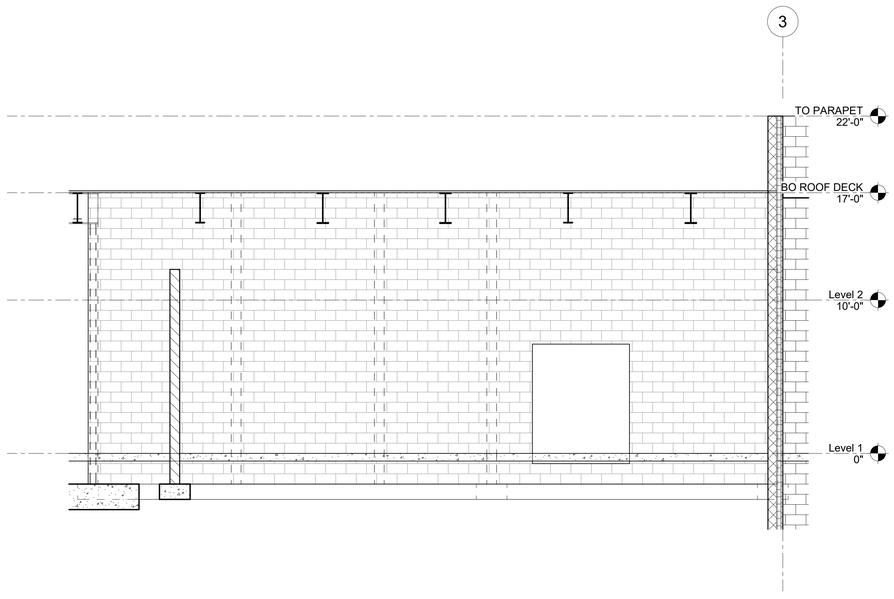
21 WALL ELEVATION
1/4" = 1'-0"



20 WALL ELEVATION
1/4" = 1'-0"



19 WALL ELEVATION
1/4" = 1'-0"



18 WALL ELEVATION
1/4" = 1'-0"

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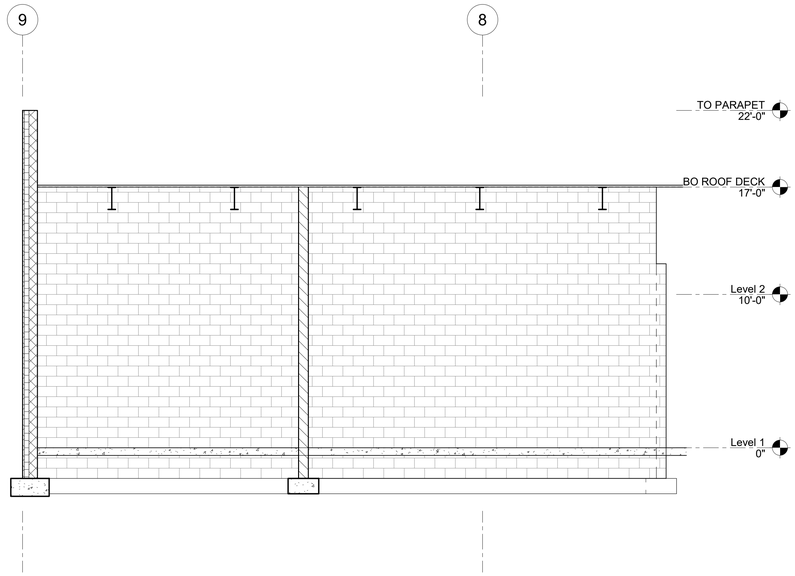
DESIGN DEVELOPMENT

drawing title
WALL ELEVATIONS

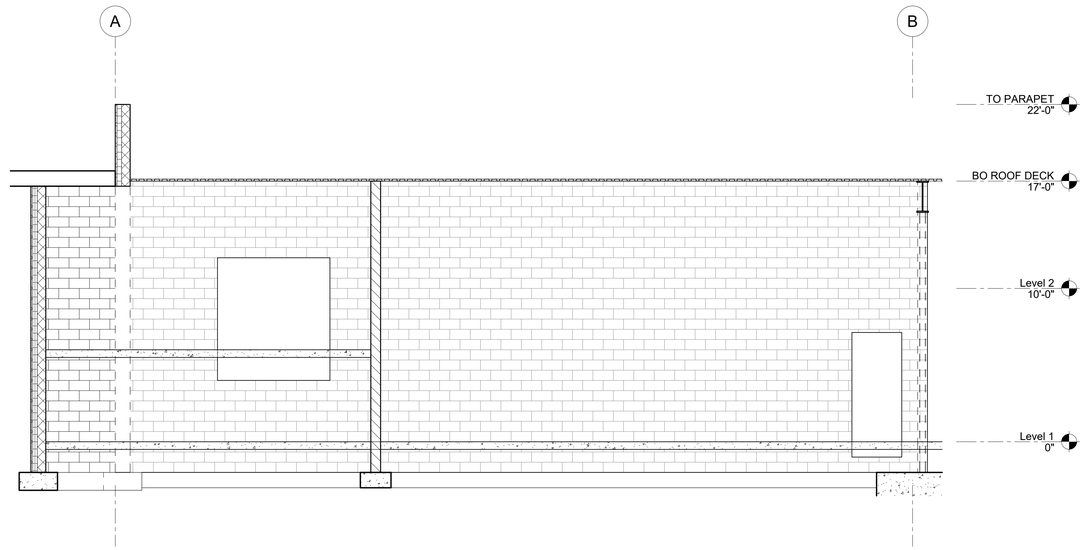
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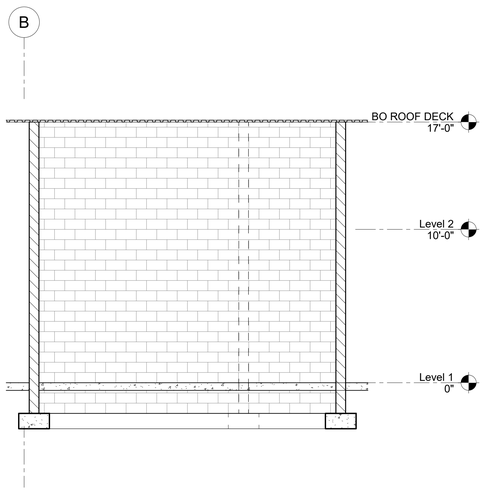
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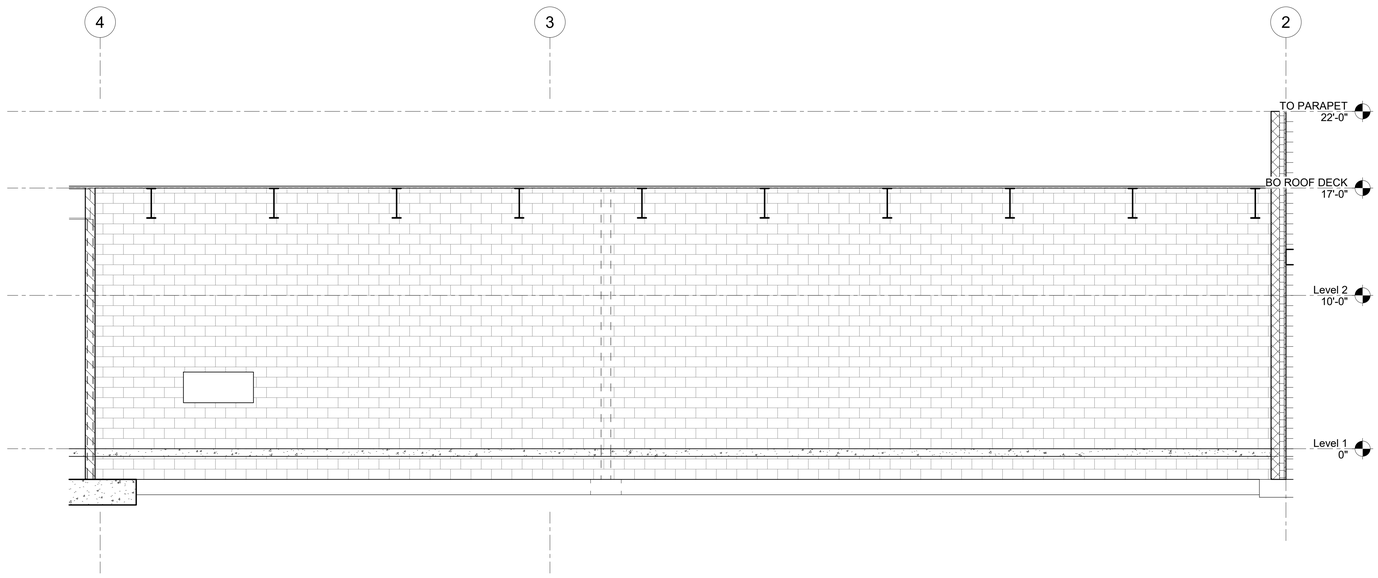
25 WALL ELEVATION
1/4" = 1'-0"



24 WALL ELEVATION
1/4" = 1'-0"



23 WALL ELEVATION
1/4" = 1'-0"



22 WALL ELEVATION
1/4" = 1'-0"

10/23/2026 4:15:21 PM

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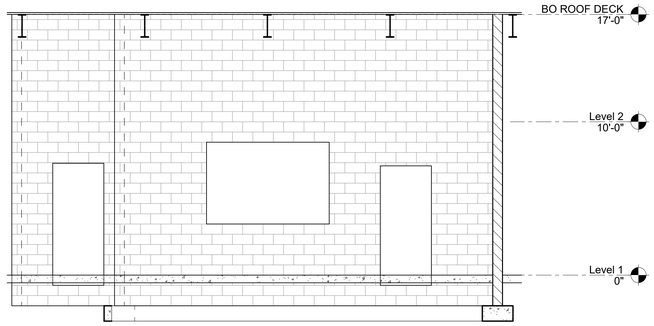
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drawing title
WALL ELEVATIONS

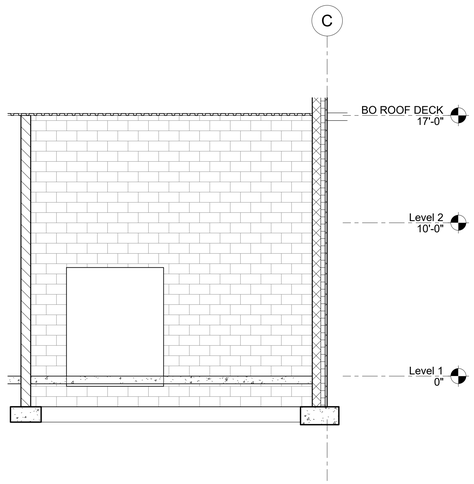
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OCTOBER 27, 2026

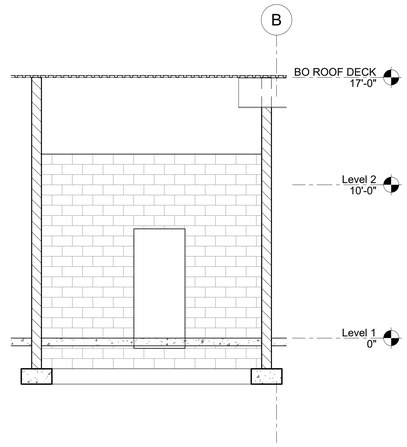
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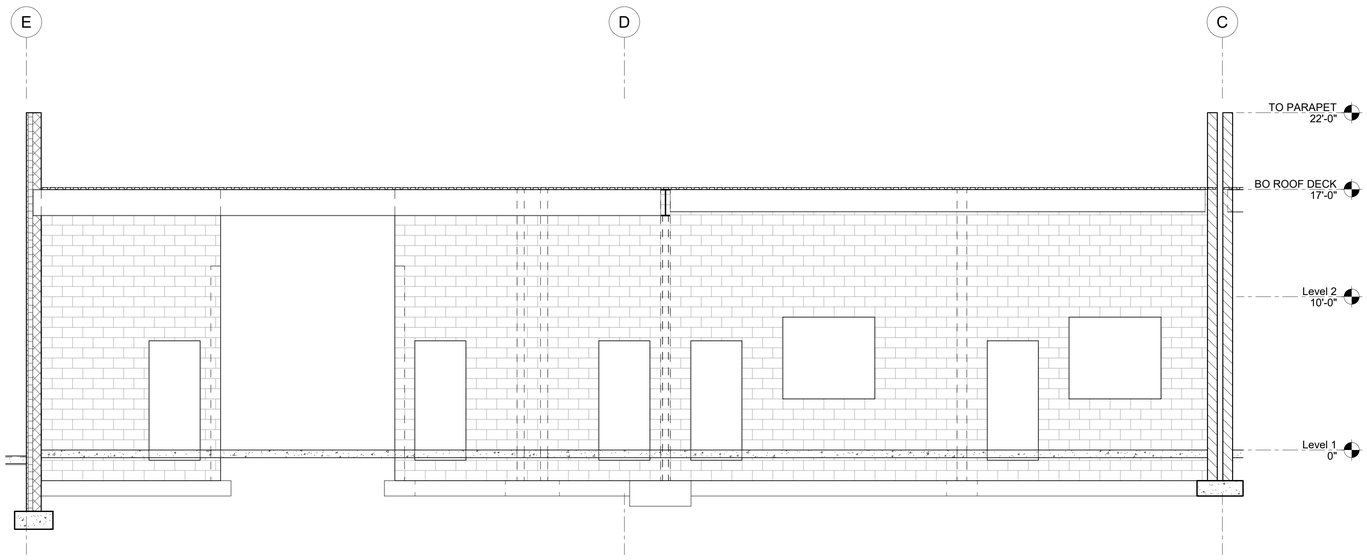
30 WALL ELEVATION
1/4" = 1'-0"



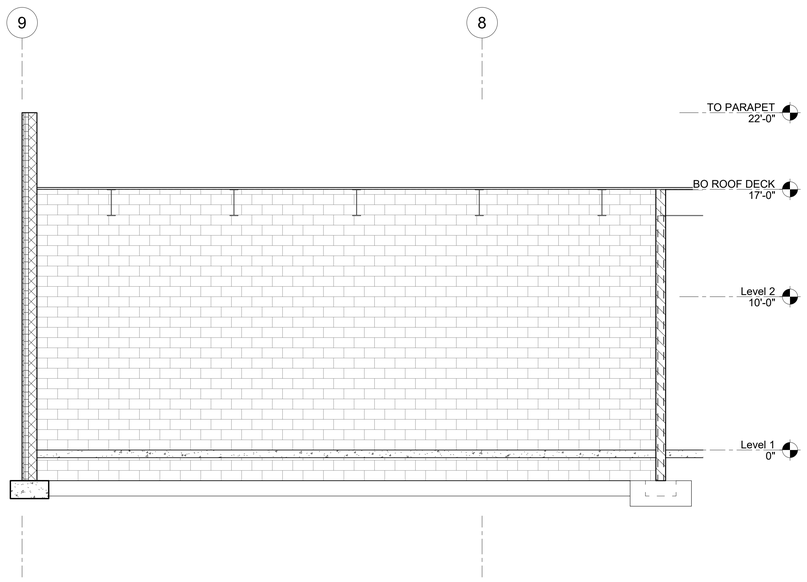
29 WALL ELEVATION
1/4" = 1'-0"



28 WALL ELEVATION
1/4" = 1'-0"



27 Elevation 27
1/4" = 1'-0"



26 WALL ELEVATION
1/4" = 1'-0"

10/23/2026 4:14:24 PM

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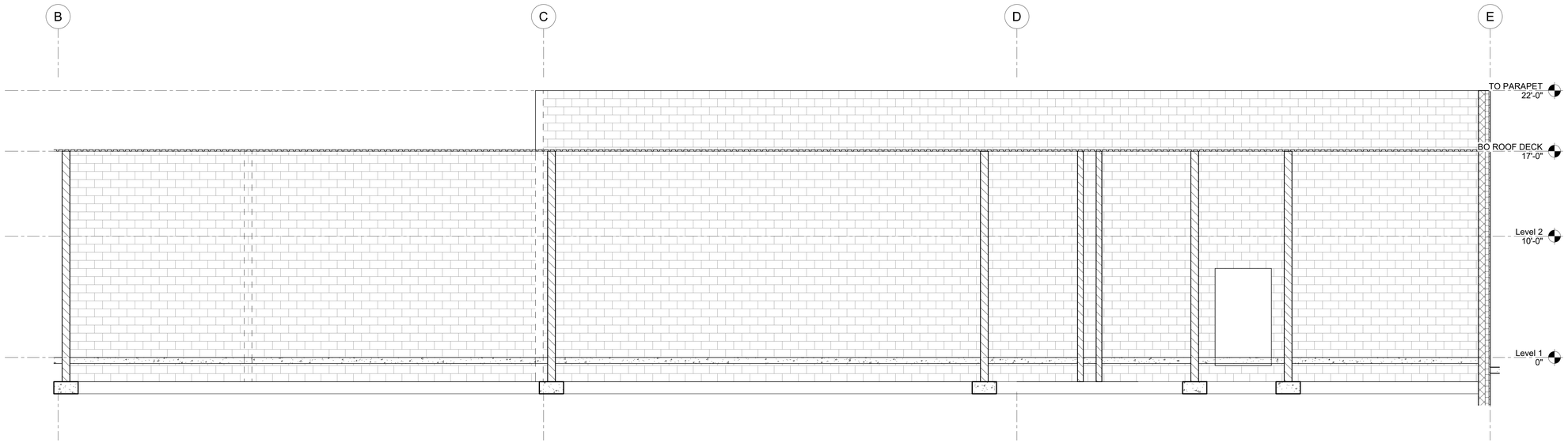
DESIGN DEVELOPMENT

drawing title
WALL ELEVATIONS

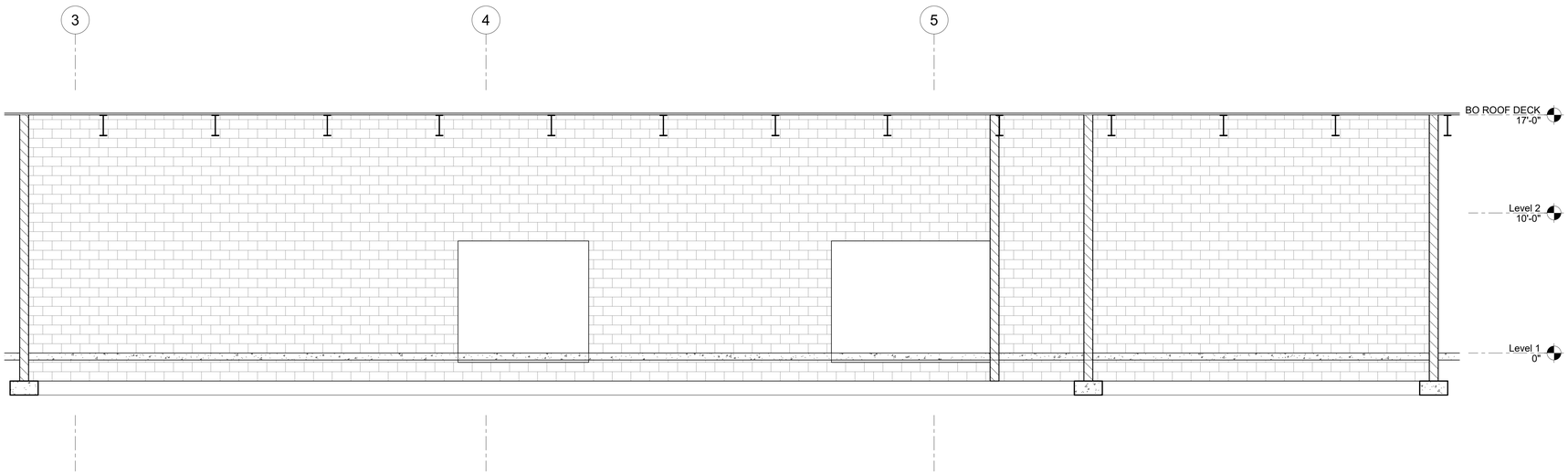
job number
25015

date
OCTOBER 27, 2026

drawing number
S3.10



32 WALL ELEVATION
1/4" = 1'-0"



31 WALL ELEVATION
1/4" = 1'-0"

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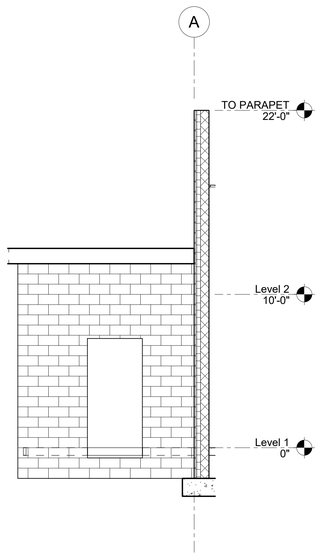
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WALL ELEVATIONS

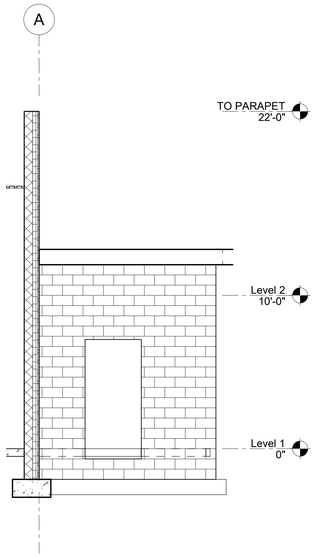
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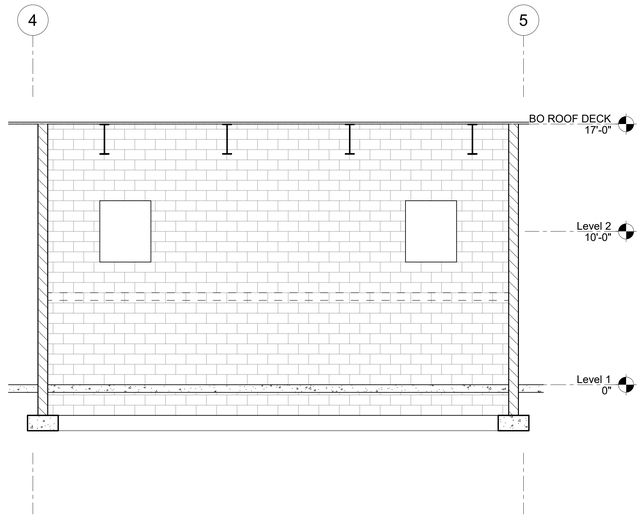
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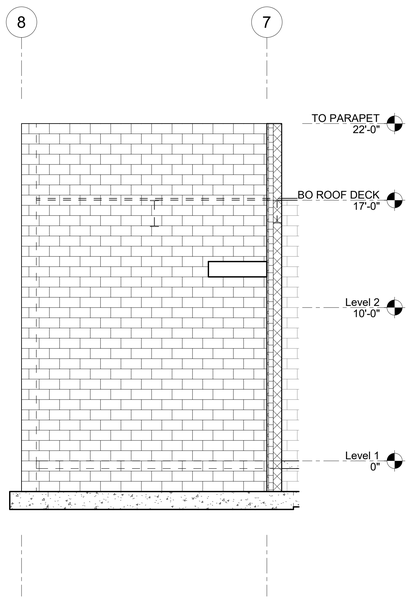
37 WALL ELEVATION
1/4" = 1'-0"



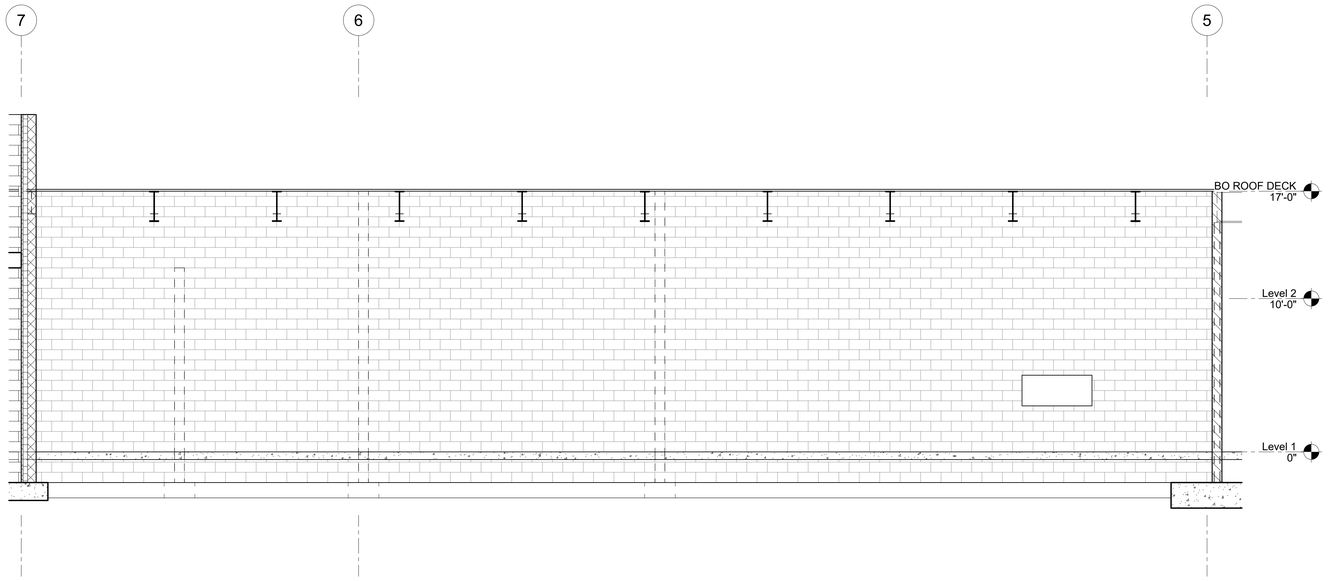
36 WALL ELEVATION
1/4" = 1'-0"



35 WALL ELEVATION
1/4" = 1'-0"



34 WALL ELEVATION
1/4" = 1'-0"



33 WALL ELEVATION
1/4" = 1'-0"

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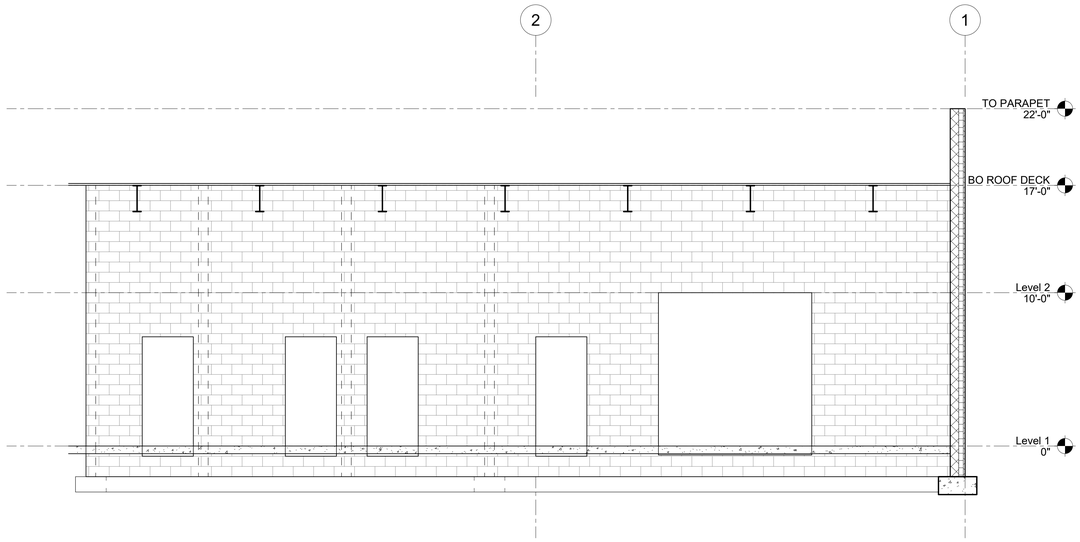
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drawing title
WALL ELEVATIONS

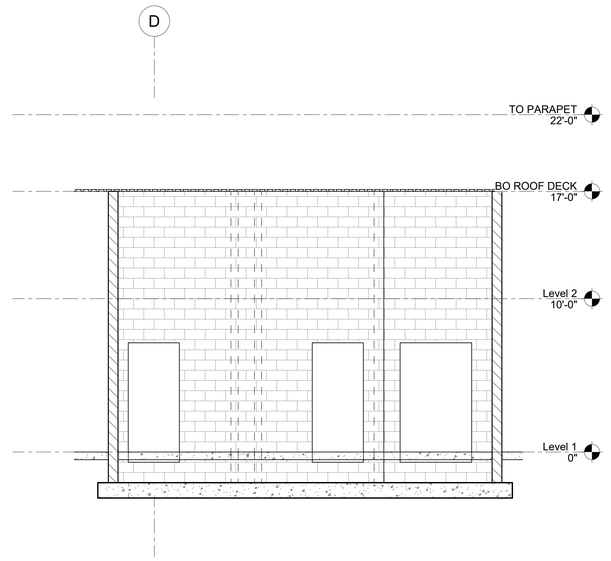
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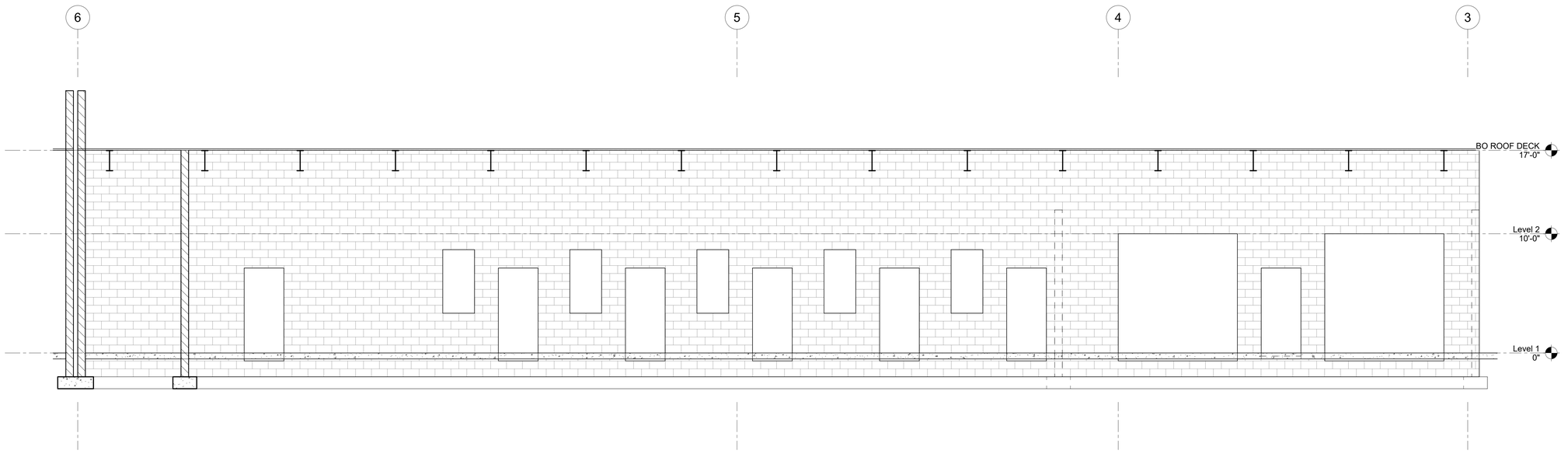
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S3.12



40 WALL ELEVATION
1/4" = 1'-0"



39 WALL ELEVATION
1/4" = 1'-0"



38 WALL ELEVATION
1/4" = 1'-0"

10/23/2026 4:14:39 PM

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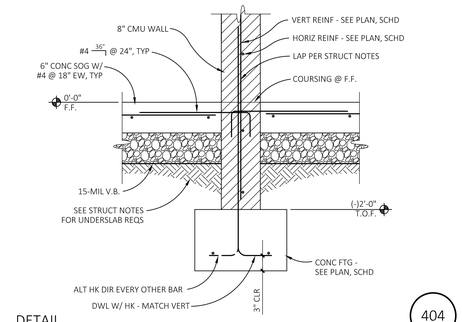
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drawing title
WALL ELEVATIONS

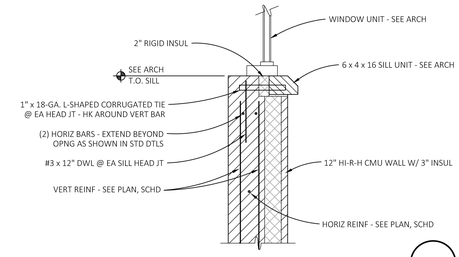
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OCTOBER 27, 2026

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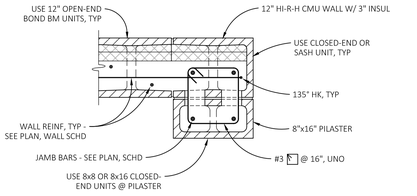


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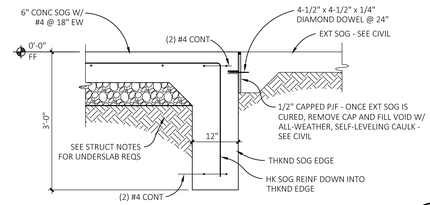


DETAIL 403
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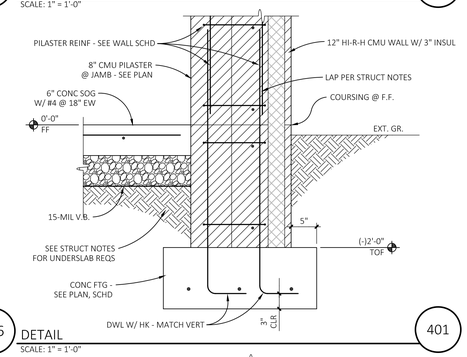
DETAIL 407
SCALE: 1" = 1'-0"



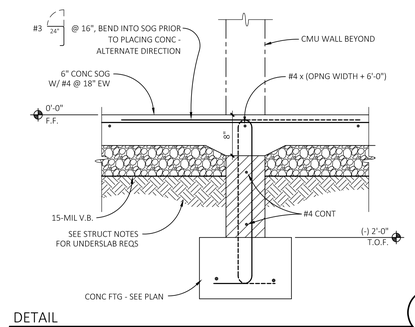
DETAIL 402
SCALE: 1" = 1'-0"



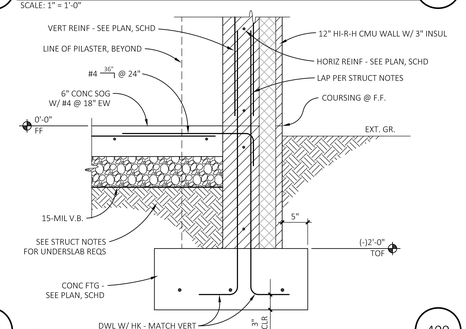
DETAIL 406
SCALE: 3/4" = 1'-0"



DETAIL 401
SCALE: 1" = 1'-0"



DETAIL 405
SCALE: 1" = 1'-0"



DETAIL 400
SCALE: 1" = 1'-0"

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
400-SERIES STRUCTURAL DETAILS

job number
25047

date
OCTOBER 27, 2026

drawing number
S4.1

C:\2025\25047 • NNCC-CulBakry Bldg\25047-DETAILS.dwg, 10/31/2025 4:21:13 PM, JPA

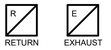
AIR DISTRIBUTION SCHEDULE

SYMBOL	SERVICE	BORDER	CFM RANGE	NECK SIZE	DESCRIPTION	BASIS OF DESIGN	MATERIAL	NOTES
A1	SUPPLY	LAY-IN	0-125	6 RD	SQUARE CONE DIFFUSER WITH FULLY ADJUSTABLE AIRFLOW PATTERN, PROVIDE SECTORIZING BAFFLES TO ATTAIN THE REQUIRED THROW PATTERN	PRICE MODEL SCDA, WITH BORDER TYPE 3, 24/24 FACE SIZE	STEEL	1, 2, 3
			126-230	8 RD				
			231-330	10 RD				
			331-450	12 RD				
			451-620	14 RD				
A2	SUPPLY	GYPBOARD	0-125	6 RD - 12/12 FACE	SQUARE CONE DIFFUSER WITH FULLY ADJUSTABLE AIRFLOW PATTERN, PROVIDE SECTORIZING BAFFLES TO ATTAIN THE REQUIRED THROW PATTERN	PRICE MODEL SCDA, BORDER TYPE 1	STEEL	1, 2, 3
			126-230	8 RD - 20/20 FACE				
			231-330	10 RD - 20/20 FACE				
			331-450	12 RD - 24/24 FACE				
			451-750	14 RD - 24/24 FACE				
A3	RETURN EXHAUST TRANSFER	LAY-IN, GYPBOARD	0-200	8x8	SQUARE EGGCRATE GRILLE	PRICE MODEL 80 WITH 0° CORE, BORDER TYPE F	STEEL	1, 2, 4
			201-300	10x10				
			301-400	12x12				
			401-600	14x14				
			601-800	16x16				
			801-1000	18x18				
			1001-1200	22x20				
			ALL T-BAR CEILINGS	22x22				
A4	SUPPLY	LAY-IN, GYPBOARD	300-480	12X12	MODULAR LOUVERED FACE DIFFUSER	PRICE MODEL SMD/AMD	STEEL	1, 2, 4
B2	SUPPLY	SIDEWALL	SEE PLANS FOR AIRFLOW AND SIZE		LOUVERED SUPPLY DIFFUSER, DOUBLE DEFLECTION, 3/4" BLADE SPACING	PRICE MODEL 520, SURFACE MOUNT	STEEL	1, 2
C1	SUPPLY	ROUND CONE	SEE PLANS FOR AIRFLOW AND SIZE		ROUND CONE DIFFUSER WITH ADJUSTABLE PATTERN AND SAFETY CHAIN	PRICE MODEL RCD	STEEL	1, 2
SS	SUPPLY	GYPBOARD	0-120	6x6	MAXIMUM SECURITY RISK RESISTANT CEILING DIFFUSER	PRICE MODEL #MSRRCD	STEEL	1, 2
			121-200	8x8				
			201-370	12x12				
			371-700	18x18				
SR	RETURN EXHAUST	GYPBOARD	0-120	6x6	MAXIMUM SECURITY RISK RESISTANT PERFORATED GRILLE	PRICE MODEL #MSRRP	STEEL	1, 2
			121-280	10x10				
			281-390	12x12				
			391-530	14x14				
			531-670	16x16				
			671-800	18x18				
			801-950	20x20				
			951-1200	22x22				
			1201-1500	24x24				
MVD	BALANCING DAMPER	MANUAL VOLUME DAMPER (MVD)	SEE PLANS FOR DUCT SIZE		SEE PLANS AND SPECIFICATIONS FOR LOCATION, APPLICATION, AND DETAILS	SEE SPECIFICATION SECTION 23 31 10, (CONTRACTOR SHOP-FABRICATED DAMPERS ARE NOT ACCEPTABLE)		
SD	SMOKE BARRIERS	SMOKE DAMPER (SD)	SEE PLANS FOR DUCT SIZE		SEE PLANS FOR LOCATION, APPLICATION, AND DETAILS, PROVIDE ACCESS DOORS AS REQUIRED, COORDINATE ACCESS DOORS WITH ARCHITECT	SEE SPECIFICATION SECTION 23 31 10		
FSD	FIRE-SMOKE BARRIERS	COMBINATION FIRE AND SMOKE DAMPER (FSD)	SEE PLANS FOR DUCT SIZE		SEE PLANS FOR LOCATION, APPLICATION, AND DETAILS, PROVIDE ACCESS DOORS AS REQUIRED, COORDINATE ACCESS DOORS WITH ARCHITECT	SEE SPECIFICATION SECTION 23 31 10		

NOTES:
1. PROVIDE INLET AND OUTLET SIZES AS LISTED ABOVE UNLESS SIZES ARE SPECIFICALLY NOTED ON THE DRAWINGS.
2. ALL AIR DISTRIBUTION SHALL BE FACTORY WHITE FINISH WITH THE VISIBLE DUCT INTERIOR PAINTED FLAT BLACK, UNLESS NOTED OTHERWISE.
3. DIRECTIONAL AIR THROW PATTERNS SHALL BE FIELD ADJUSTED IN ACCORDANCE WITH THE DEPICTIONS BELOW AND AS NOTED ON THE DRAWINGS.



4. INLETS NOTED WITH AN 'R' ARE ON THE RETURN AIR SYSTEM AND INLETS NOTED WITH AN 'E' ARE ON THE EXHAUST AIR SYSTEM.



GENERAL NOTES

NOTE THAT ALL OF THE NOTES LISTED HERE ARE ALSO ADDRESSED IN THE SPECIFICATIONS FOR THIS PROJECT. THE SPECIFICATIONS INCLUDE ADDITIONAL DETAILS AND REQUIREMENTS THAT MAY OR MAY NOT BE LISTED HERE.

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE IBC, UMC, UPC, NEC, NFPA, NEVADA STATE FIRE MARSHAL REGULATIONS, LOCAL AND STATE ORDINANCES, AND INDUSTRY STANDARDS.
2. THE INFORMATION REGARDING EXISTING CONDITIONS SHOWN ON THE DRAWINGS IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL RELY ON SITE VISITS AND NECESSARY INVESTIGATION TO ENSURE THAT HIS BID IS CORRECT AND COMPLETE AS REQUIRED TO PROVIDE THE SCOPE OF WORK DESCRIBED ON THE DRAWINGS. EXTRA COST WILL NOT BE ALLOWED TO THE CONTRACTOR FOR FAILURE TO PERFORM THIS TASK.
3. SUBMIT FOR REVIEW AND APPROVAL ELECTRONIC COPIES OF SUBMITTALS FOR ALL EQUIPMENT, DUCTWORK, AIR DISTRIBUTION, INSULATION, VALVES, AND PIPING MATERIALS.
4. AS-BUILT DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL UPON COMPLETION OF THE WORK, AND PRIOR TO FINAL PAYMENT. AS-BUILT DRAWINGS SHALL BE MAINTAINED ON SITE AS THE WORK PROGRESSES AND SHALL BE AVAILABLE FOR REVIEW BY THE OWNER AND/OR ARCHITECT/ENGINEER AT ALL TIMES.
5. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
6. COORDINATE THE EXACT LOCATION OF EQUIPMENT AND OF PENETRATIONS THROUGH THE ROOF, FLOORS, AND WALLS WITH STRUCTURAL DRAWINGS PRIOR TO ANY ROUGH-IN.
7. COORDINATE THE INSTALLED LOCATION OF VENTS THROUGH THE ROOF WITH ALL OUTSIDE AIR INTAKES.
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE FULL EXTENT OF DEMOLITION AND NEW WORK TO BE PERFORMED.
9. PIPING SHALL BE INSTALLED SUCH THAT IT DOES NOT OBSTRUCT ACCESS OR REMOVAL OF MECHANICAL OR PLUMBING EQUIPMENT.
10. PIPING AND/OR DUCTWORK SHALL NOT BE ROUTED IN THE DEDICATED ELECTRICAL SPACE AT OR ABOVE ELECTRICAL SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS, ETC. (AS PROHIBITED BY 2023 NATIONAL ELECTRICAL CODE SECTION 110.26). THIS ISSUE IS PARTICULARLY APPLICABLE IN CHILLER ROOMS, BOILER ROOMS, ELECTRICAL ROOMS, AND DATA/SERVER ROOMS.
11. DASHED OUTLINES DENOTE THE REQUIRED SERVICE CLEARANCE SPACE (SEE DUCTWORK PLANS). NO PIPING, DUCTWORK, CONDUIT, AND/OR CEILING HANGERS SHALL BE INSTALLED IN THE DESIGNATED SERVICE/ACCESS CLEARANCE AREA.
12. SEE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS FOR HOLE CORING REQUIREMENTS.
13. COORDINATE THE ROUTING OF DUCTWORK AND PIPING WITH PLUMBING, FIRE SPRINKLER, AND ELECTRICAL TRADES PRIOR TO BEGINNING WORK.
14. ALL EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL BE SUPPORTED AS REQUIRED TO PROVIDE A VIBRATION-FREE INSTALLATION.
15. ALL ROOF PENETRATIONS SHALL BE FLASHED AND COUNTER-FLASHED WATERTIGHT.
16. TESTING AND BALANCING SHALL BE CONDUCTED BY AN AABC CERTIFIED TEST AND BALANCE CONTRACTOR.
17. PIPE ROUTING SHALL BE COORDINATED WITH ALL TRADES AND EXISTING CONDITIONS PRIOR TO COMMENCING WORK. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AS REQUIRED.
18. DO NOT FABRICATE PIPING FROM THE DRAWINGS. SPACE ALLOCATION SHALL BE DETERMINED IN THE FIELD AND COORDINATED WITH OTHER TRADES PRIOR TO FABRICATION.
19. CONSTRUCT ALL DUCTWORK LOCATED BETWEEN AIR HANDLING UNITS AND VARIABLE AIR VOLUME BOXES FOR 4 INCH W.C. PRESSURE CLASS PER SMACNA REQUIREMENTS. CONSTRUCT ALL OTHER DUCTWORK FOR 2 INCH W.C. PRESSURE CLASS, EXCEPT WHERE NOTED OTHERWISE, PER SMACNA REQUIREMENTS.
20. SEE REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL DIFFUSERS AND GRILLES LOCATED IN CEILINGS.
21. COORDINATE THE EXACT SIZE AND LOCATION OF DUCTWORK WITH ALL OTHER TRADES.
22. ALL DUCT BRANCH SIZES TO CEILING DIFFUSERS SHALL BE CEILING DIFFUSER NECK SIZE, EXCEPT WHERE NOTED OTHERWISE.
23. PROVIDE FLEXIBLE DUCT CONNECTIONS WHERE CONNECTING DUCTWORK TO EQUIPMENT.
24. PROVIDE MANUAL VOLUME DAMPERS AT EACH SUPPLY AND EXHAUST DUCT BRANCH. MANUAL VOLUME DAMPERS SHALL BE LOCATED AS FAR AWAY FROM THE ASSOCIATED DIFFUSER/GRILLE AS POSSIBLE.
25. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 5'-0" LONG AND SHALL BE INSTALLED IN CONCEALED LOCATIONS ONLY.
26. PROVIDE A MINIMUM OF 12" BELOW DUCTWORK TO THE CEILING TO ALLOW FOR REMOVAL OF LIGHT FIXTURES.
27. VERIFY FINAL THERMOSTAT LOCATIONS WITH BUILT-IN CABINETS, DOOR SWINGS, ETC.
28. THERMOSTATS MOUNTED ON EXTERIOR WALLS SHALL HAVE AN INSULATED BASE.

APPLICABLE CODES AND REGULATIONS

2024 INTERNATIONAL BUILDING CODE
2024 UNIFORM MECHANICAL CODE
2024 UNIFORM PLUMBING CODE
2023 NATIONAL ELECTRICAL CODE
2024 INTERNATIONAL ENERGY CONSERVATION CODE
NEVADA STATE FIRE MARSHAL REGULATIONS
NEVADA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS
NFPA CODES AND STANDARDS
ALL OTHER APPLICABLE STATE AND LOCAL CODES, RULES, AND REGULATIONS

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M0.3	MECHANICAL SCHEDULES
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M1.2	SITE PLAN ALTERATION
M1.3	ZONING PLAN
M2.1	OVERALL BUILDING FLOOR PLAN
M2.21	OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA A
M2.22	OVERALL MECHANICAL PIPING BUILDING FLOOR PLAN - LEVEL 1 - AREA A
M2.31	OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA B
M2.32	OVERALL MECHANICAL PIPING BUILDING FLOOR PLAN - LEVEL 1 - AREA B
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M7.2	TEMPERATURE CONTROLS

MECHANICAL LEGEND

NOTE: NOT ALL OF THE LISTED ITEMS ARE NECESSARILY USED ON THIS PROJECT.

CW	COLD WATER
HR	HEATING HOT WATER RETURN
HS	HEATING HOT WATER SUPPLY
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
HPR	HEAT PUMP RETURN
HPS	HEAT PUMP SUPPLY
RSL	REFRIGERANT SUCTION LINE
RLL	REFRIGERANT LIQUID LINE
D	CONDENSATE DRAIN PIPE
OD	OVERFLOW CONDENSATE DRAIN PIPE
	EXISTING ITEM TO BE REMOVED
	FLEXIBLE CONNECTION
GV	GATE VALVE
BLV	BALL VALVE
BFV	BUTTERFLY VALVE
BV	MANUAL BALANCE VALVE WITH MEMORY STOP
	PRESSURE INDEPENDENT FLOW LIMITING VALVE
CKV	CHECK VALVE
	GAS VALVE WITH HANDLE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
T&P	TEMPERATURE & PRESSURE TEST PORT
	THERMOMETER, PRESSURE GAUGE
	RETURN/EXHAUST AIR
	SUPPLY/OUTSIDE AIR
	SUPPLY AIR DUCT SECTION
	RETURN AIR DUCT SECTION
	EXHAUST AIR DUCT SECTION
	OUTSIDE AIR DUCT SECTION
	TRANSFER AIR DUCT SECTION
(E) (N)	DUCT POD/ POC
12x10	DUCT (FIRST FIGURE SIDE SHOWN SECOND FIGURE SIDE NOT SHOWN)
	TURNING VANES
	FLEXIBLE DUCTWORK
MVD	MANUAL VOLUME DAMPER
SLOPE	SLOPE DOWN IN DIRECTION OF ARROW
T	ROOM THERMOSTAT
S	ROOM SENSOR
Ø	DIAMETER
H	HUMIDIFIER
H	HUMIDISTAT
AC	AIR CONDITIONING
AD / AP	ACCESS DOOR, ACCESS PANEL
AFF	ABOVE FINISHED FLOOR
CC	CENTER TO CENTER
CFM / f	CUBIC FEET PER MINUTE
E	EXTRACTOR
(E) / (N)	EXISTING / NEW
EAD, OAD, RAD	EXHAUST AIR, OUTSIDE AIR & RETURN AIR DAMPER
EF	EXHAUST FAN
°F	DEGREES FAHRENHEIT
FA, TB	FROM ABOVE, TO BELOW
FB, TA	FROM BELOW, TO ABOVE
FD / FSD	FIRE DAMPER / COMBINATION FIRE-SMOKE DAMPER
GA	GAUGE
AAV / MAV	AUTOMATIC / MANUAL AIR VENT
MAX / MIN	MAXIMUM, MINIMUM
NC / NO	NORMALLY CLOSED / NORMALLY OPEN
OC	ON CENTER
PD	PIPE DOWN
PD	PITCH DOWN IN DIRECTION OF ARROW
POC	POINT OF CONNECTION
POD	POINT OF DISCONNECT
PRV	PRESSURE REDUCING VALVE
RA, EA	RETURN AIR, EXHAUST AIR
SA, OA	SUPPLY AIR, OUTSIDE AIR
TCV	TEMPERATURE CONTROL VALVE
TCP	TEMPERATURE CONTROL PANEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

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PROGRESS
NOT FOR CONSTRUCTION

Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
MECHANICAL SCHEDULES, LEGEND, NOTES & INDEX

job number
25015

date
OCTOBER 26, 2026

drawing number
M0.1

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EXHAUST FAN SCHEDULE

SYMBOL	AREA SERVED	MANUFACTURER AND MODEL NO.	DRIVE TYPE	CFM	ESP (IN WC)	FAN RPM	SONES	MOTOR HP	FLA	VOLTAGE/ PHASE	OPERATING WEIGHT (LBS)	ACCESSORIES
EF 1	RESTROOMS R100, R101, R104, R105	GREENHECK CUE-099-VG	DIRECT	650	0.50	1378	7.5	1/4	1.70	208V/1PH	100	2
EF 2	STORE DETERGENT 134	GREENHECK CUE-070-VG	DIRECT	185	0.35	1657	4.9	1/6	1.50	208V/1PH	75	2
EF 3	JANITORIAL M102	GREENHECK CUE-060-VG	DIRECT	115	0.25	1576	4.2	1/6	1.50	208/1PH	75	2
EF 4	PRODUCTION 108	GREENHECK CUE-160-VG	DIRECT	3600	0.60	1642	24.0	2	12.50	208/1PH	122	2
EF 5	TRAYLINE 106	GREENHECK CUE-160-VG	DIRECT	3600	0.60	1642	24.0	2	12.50	208/1PH	122	2
KEF 1	PRODUCTION 108	GREENHECK CUE-180HP-VG	DIRECT	2520	0.80	1171	13.6	2	12.0	208V/1PH	240	1
KEF 2	PRODUCTION 108	GREENHECK CUE-180HP-VG	DIRECT	2520	0.80	1171	13.6	2	12.0	208V/1PH	240	1
KEF 3	PRODUCTION 108	GREENHECK CUE-180HP-VG	DIRECT	2700	0.80	1219	14.4	2	12.0	208V/1PH	240	1
KEF 4	PRODUCTION 108	GREENHECK CUE-180HP-VG	DIRECT	2700	0.80	1219	14.4	2	12	208V/1PH	240	1
KEF 5A	TRAYLINE 106	GREENHECK CUE-100HP-VG	DIRECT	750	0.8	2244	13.3	1/2	4	208V/1PH	240	1
KEF 5B	TRAYLINE 106	GREENHECK CUE-100HP-VG	DIRECT	750	0.8	2244	13.3	1/2	4	208V/1PH	240	1
KEF 5C	TRAYLINE 106 / BREAKDOWN 109	GREENHECK CUE-100HP-VG	DIRECT	750	0.8	2244	13.3	1/2	4	208V/1PH	240	1
KEF 6	STAFF TRAINING/ CULINARY EDUCATION 132	GREENHECK CUE-180HP-VG	DIRECT	2310	0.8	1124	13	2	12	208V/1PH	240	1
KEF 7	DISH UP 103	GREENHECK CUE-180HP-VG	DIRECT	2310	0.8	1124	13	2	12	208V/1PH	240	1
KEF 8A	BAKERY 119	GREENHECK CUE-100HP-VG	DIRECT	600	0.8	1990	12	1/2	4	208V/1PH	130	1
KEF 8B	BAKERY 119	GREENHECK CUE-100HP-VG	DIRECT	600	0.8	1990	12	1/2	4	208V/1PH	130	1
KEF 9	DISHWASH 104	GREENHECK CUE-180HP-VG	DIRECT	2700	.5	1124	14.4	2	12	208V/1PH	240	1
KEF 10	STAFF TRAINING / CULINARY EDU. 132	GREENHECK CUE-160HP-VG	DIRECT	1750	1	1403	12.9	3/4	5.4	208V/1PH	160	1
LEF 1	WASHER/DRYER 136	CLEAN CYCLE SYSTEMS EQ BOOSTER FAN	BELT	25200	1.635	893	26	15	21	460V/3PH	1566	-

ACCESSORIES:
1. ALUMINUM HOUSING
   BACKWARD INCLINED ALUMINUM WHEEL
   DRAIN TROUGH
   MOTOR ISOLATED ON SHOCK MOUNTS
   CORROSION RESISTANT FASTENERS
   VARI GREEN EC MOTOR
   CONTROL DIAL FOR BALANCING
   UL/CUL 762 LISTED
   NEMA-3R TOGGLE SWITCH
   JUNCTION BOX MOUNTED AND WIRED
   SEISMIC RATED
   HINGED BASE
   HIGH TEMP CURB SEAL RATED FOR 1500°F
   NON-STICK COATED WHEEL
   STAINLESS STEEL FASTENERS
   GREASE TRAP
   STAINLESS STEEL BIRDSCREEN
   CLEAN OUT PORT
   PITCHED VENTED ROOF CURB, FAN SHALL TERMINATE 40" ABOVE FINISHED ROOF
2. FACTORY DISCONNECT WITH NEMA 1 TOGGLE SWITCH
   GRAVITY BACKDRAFT DAMPER, SHIPPED LOOSE
   VARI-GREEN EC MOTOR WITH PERMANENT DIAL O-10V DC CONTROLLER MOUNTED AND WIRED
   CORROSION RESISTANT FASTENERS
   JUNCTION BOX MOUNTED AND WIRED
   ALUMINUM HOUSING
   FLEXIBLE DUCT CONNECTIONS
   STAINLESS STEEL BIRD SCREEN
   SEISMIC RATED CURB PLACING THE UNIT 14" ABOVE FINISHED ROOF
   (ROOF SLOPES)

NOTES:
1. DATA HEREIN HAS BEEN ADJUSTED FOR 4,500 FT ELEVATION.
2. CURBS FOR FANS OVER 400 LBS SHALL BE SEISMIC RATED.
3. ALL MOTORS 1 HP AND LARGER SHALL BE PREMIUM EFFICIENCY AND INVERTER RATED.

MISCELLANEOUS EQUIPMENT SCHEDULE

EWH 1, EWH 2	ELECTRIC WALL HEATER QMARK MODEL WHT500, SURFACE MOUNT, 500 WATT, 1,700 BTUH, 120V, WITH INTEGRAL THERMOSTAT AND DISCONNECT SWITCH.
ECH 1, ECH 2	ELECTRIC CEILING HEATER QMARK MODEL CDF548RE, RECESSED MOUNT, 4 KW, 13.7 BTUH, 208V/1PH, WITH INTEGRAL THERMOSTAT AND DISCONNECT SWITCH.
UH 1A, UH 1B	HYDRONIC UNIT HEATER MODINE MODEL HC 245C01FA, 208/3PH, 1/25 HP, 1.5 A, 10,378 BTUH OUTPUT, 370 CFM, EWT: 180 °F LWT: 140 °F , .5 GPM @ .1 FT PD. STEP DOWN TRANSFORMER 208 TO 115V, THERMOSTAT GUARD, FINGER PROOF FAN GUARD, AND AIR DEFLECTORS.

ROOFTOP UNIT SCHEDULE

SYMBOL	AREA SERVED	MANUFACTURER AND MODEL NO.	NOMINAL TONS	SUPPLY AIR (CFM)	MINIMUM OA (CFM)	ESP (IN WC)	SUPPLY FAN HP	COOLING					HEATING								ELECTRICAL			OPERATING WEIGHT WITH CURB (LBS)
								TOTAL (MBH)	SENSIBLE (MBH)	EAT (°F)	LAT (°F)	IEER	MBH	GPM	EWT (°F)	LWT (°F)	WPD (FT)	EAT (°F)	LAT (°F)	APD (IN WC)	VOLTAGE/ PH	MCA	MOCP	
RTU 1	LAUNDRY, STORE DETERGENT, LINEN STORAGE	DAIKIN REBEL	10	3,500	480	0.25	2.30	120.2	75.5	76.7	52.3	21.0	145.1	7.3	180	140	0.9	50.0	94.8	0.20	460V/3PH	33.8	45	2,500
RTU 2	CHOW 101	DAIKIN REBEL	12	4,800	2,600	0.25	4.60	149.8	125.9	86.1	56.0	19.4	194.5	9.7	180	140	1.6	38.2	82.0	0.36	460V/3PH	40.2	60	2,600
RTU 3	INMATE BREAK, STAFF TRAINING/CULINARY EDUCATION	DAIKIN REBEL	6	1,800	395	0.25	1.7	66.8	38..98	78.4	53.8	21.9	61.8	3.1	180	140	0.3	56.0	93.1	0.25	460V/3PH	17.8	25	1,500
RTU 4	DISHWASH, DISH UP, RELIGIOUS DIET	DAIKIN REBEL	16	5,600	2,700	0.25	3.0	191.7	147.5	85.0	54.8	20.8	332.1	16.9	180	140	0.2	40.0	104.1	0.26	460V/3PH	41.7	60	4,500
RTU 5	TRAYLINE, PRODUCITON, RECEIVING	DAIKIN REBEL	22	8,000	2,700	0.25	5.0	258.4	205.3	85.0	55.6	22.8	427.4	21.9	180	140	0.3	40.0	97.7	0.47	460V/3PH	59.0	70	4,800
RTU 6	STAFF BREAK, OFFICES	DAIKIN REBEL	5	1,400	160	0.25	1.7	62.0	34.1	78.4	50.7	21.9	52.6	2.6	180	140	0.2	56.0	96.6	0.20	460V/3PH	17.8	25	1,500
RTU 7	CHOW 102	DAIKIN REBEL	12	4,800	2,600	0.25	4.60	149.8	125.9	86.1	56.0	19.4	194.5	9.7	180	140	1.6	38.2	82.0	0.36	460V/3PH	40.2	60	2,800
RTU 8	BAKERY, DRY STORAGE, JANITORIAL	DAIKIN REBEL	8	4,000	505	0.25	4.6	100.6	57.9	75.0	58.6	20.2	139.7	7.0	180	140	0.9	60.0	97.7	0.26	460V/3PH	28.5	40	2,600

ACCESSORIES:
1. FACTORY DISCONNECT
2. UNITS 4 TONS AND LARGER SHALL HAVE 100% DRY BULB ECONOMIZER AND POWER EXHAUST
3. HIGH EFFICIENCY MULTI-SPEED DIRECT DRIVE MOTOR
4. 2-STAGE SCROLL COMPRESSOR
5. STAINLESS STEEL OR POLYMER DRAIN PAN
6. HINGED ACCESS PANELS
7. LOW AMBIENT CONTROL (COOLING TO 0°F)
8. DOWNFLOW CONFIGURATION
9. 2" THICK MERV 13 FILTERS
10. SEISMIC CURB THAT PLACES THE UNIT 14" ABOVE FINISHED ROOF
11. FACTORY THERMOSTAT
12. FACTORY CONTROLS
13. BACNET INTERFACE

NOTES:
1. DATA HEREIN HAS BEEN ADJUSTED FOR 4,500 FT ELEVATION.
2. PROVIDE SINGLE POINT POWER CONNECTION.
3. ALL MOTORS 1 HP AND LARGER SHALL BE PREMIUM EFFICIENCY AND INVERTER RATED.

MAKE-UP AIR UNIT SCHEDULE (EVAPORATIVE / GAS)

SYMBOL	AREA SERVED	MANUFACTURER AND MODEL NO.	SUPPLY AIR (CFM)	TSP / ESP (IN WC)	EVAPORATIVE COOLING		NATURE GAS HEATING					ELECTRICAL				OPERATING WEIGHT WITH CURB (LBS)
					EAT (°F)	LAT (°F)	INPUT (MBH)	OUTPUT (MBH)	EFFICIENCY (%)	EAT (°F)	LAT (°F)	VOLTAGE/ PHASE	HP	MCA	MOCP	
MAU 1	PRODUCTION 108	GREENHECK	2520	0.75	95.7	67.2	246.9	227.1	92	11.9	110.0	208/60/1	1.5	16.3	25	1,200
MAU 2	PRODUCTION 108	GREENHECK	2520	0.75	95.7	67.2	246.9	227.1	92	11.9	110.0	208/60/1	1.5	16.3	25	1,200
MAU 3	PRODUCTION 108	GREENHECK	2700	0.75	95.7	67.3	264.5	243.3	92	11.9	110.0	208/60/1	1.5	16.3	25	1,200
MAU 4	PRODUCTION 108	GREENHECK	2700	0.75	95.7	67.3	264.5	243.3	92	11.9	110.0	208/60/1	1.5	16.3	25	1,200
MAU 5	TRAYLINE 106	GREENHECK	2250	0.75	95.7	67.0	167.1	135.4	81	11.9	77.3	208/60/1	1	13.5	20	1,600
MAU 6	DISH UP 105	GREENHECK	2310	0.75	95.7	67.1	226.3	208.2	92	11.9	110.0	208/60/1	1.5	16.3	25	1,200
MAU 7	DISH UP 103	GREENHECK	2310	0.75	95.7	67.1	226.3	208.2	92	11.9	110.0	208/60/1	1.5	16.3	25	1,200
MAU 8	BAKERY 119	GREENHECK	1200	0.75	95.7	66.2	125.3	101.5	81	11.9	103.9	208/60/1	0.5	9.3	15	1,600
MAU 10	STAFF TRAINING / CULINARY EDU. 132	GREENHECK	1750	0.75	95.7	66.7	171.4	157.7	92	11.9	110.0	460/60/3	1	3.8	15	1,200

ACCESSORIES:
1. DISCONNECT BY DIV 26
2. HINGED ACCESS DOORS
3. PERMATECTOR FINISH
4. NEOPRENE MOTOR VIBRATION ISOLATION
5. SERVICE OUTLET SHIPPED LOOSE. POWER BY DIV 26
6. LOUVERED INTAKE W/2" THICK MERV 13 FILTERS
7. 3 SETS OF SPARE FILTERS
8. OA INLET DAMPER WITH END SWITCH
9. STAINLESS STEEL HEAT EXCHANGER
10. MICROPROCESSOR CONTROLS
11. BACNET FOR BMS CONTROL
12. UNIT MOUNTED VFD
13. 5 YEAR BURNER WARRANTY
14. GLASDEK 12" MEDIA
15. SURFACE MOUNT TOUCH SCREEN
16. 1" INSULATED DOUBLE-WALL CONSTRUCTION
17. DOWNFLOW DISCHARGE
18. FREEZE PROTECTION
19. RECIRC PUMP W/ CONTROL

NOTES:
1. DATA HEREIN HAS BEEN ADJUSTED FOR 4,500 FT ELEVATION.
2. UNIT SHALL BE PROVIDED WITH AN INSULATED SEISMIC CURB THAT PLACES THE UNIT 14" ABOVE FINISHED ROOF
3. PROVIDE SINGLE POINT POWER CONNECTION.
4. ALL THE UNITS OVER 2,000 CFM SHALL BE FURNISHED WITH DUCT SMOKE DETECTOR(S) FOR FIELD INSTALLATION BY THE MECHANICAL CONTRACTOR. SEE SPECIFICATION SECTION 23 31 10-2.9 FOR ADDITIONAL REQUIREMENTS
5. ALL MOTORS 1 HP AND LARGER SHALL BE PREMIUM EFFICIENCY AND INVERTER RATED
6. MECHANICAL CONTRACTOR WITH EQUIPMENT REP AND CONTROLS MANUFACTURER ON CONTROLS BEFORE ORDERING
7. VALVES BY TC AND PLUMB CONTRACTORS

MAKE-UP AIR UNIT SCHEDULE (EVAPORATIVE / HEATING HOT WATER)

SYMBOL	AREA SERVED	MANUFACTURER AND MODEL NO.	SUPPLY FAN					ELECTRICAL			EVAPORATIVE COOLING			MEDIA			PUMP					HEATING WATER COIL										OPERATING WEIGHT WITH CURB (LBS)
			SUPPLY AIR (CFM)	TSP / ESP (IN WC)	RPM	FAN POWER (KW)	TYPE/QTY	VOLTAGE/ PHASE	MCA	MOCP	BLEED RATE (FL, OZ / MIN.)	EAT (°F)	LAT (°F)	FACE (SQ FT)	DEPTH (IN)	TYPE	MANUF.	MODEL #	GPM	HP	ELEC.	HEATING (MBH)	EWT (°F)	LWT (°F)	GPM	BRANCH PIPING	CONNECTION SIZE	EDB (°F)	LDB (°F)	ROW / FPI	APD "WG	WPD FT	
MAU 9	WASHER/DRYER 136	UNITED METAL PRODUCTS CAH-ODO-47	25500	1.65 / 1.98	1480	8	EC PLUG QTY - 2	460/3	36	60	-	97.0	75.0	51.3	12.0	GLASdek®	GOULDS	LSP0311	11.25	1/3	120/1 PLUG/NO SWITCH	1541	180	140	40	2.5	2	10.0	70.0	2/8	0.09	3.84	14,000

ACCESSORIES:
1. FACTORY DISCONNECT(S) - SEE NOTES AND SPECIFICATION SECTION 230500-2.6 (ELECTRICAL DISCONNECTS)
2. THREE TOTAL SETS OF FILTERS: CONSTRUCTION, BALANCING, AND SPARE SET TO OWNER AT PROJECT COMPLETION
3. FACTORY WIRED LED LIGHTS IN EACH MAU SECTION
4. FACTORY INSTALLED AIR VENTS AT TOP OF EACH COIL
5. FACTORY MOUNTED AND WIRED FAN VFDs IN CONDITIONED NEMA 3R ENCLOSURE(S)
6. OA DAMPER AS SHOWN ON DRAWINGS
7. AIR FLOW MONITORING VIA FAN BANK DIFFERENTIAL PRESSURE TRANSMITTERS SUMMATED FOR EACH VFD/FAN GROUPING - SEE SEQUENCE OF OPERATION
8. SHAFT GROUNDING AT ALL MOTORS

NOTES:
1. DATA HEREIN HAS BEEN ADJUSTED FOR 4,500 FT ELEVATION.
2. ALL MOTORS 1 HP AND LARGER SHALL BE PREMIUM EFFICIENCY AND INVERTER RATED.
3. OA OPENING SHALL BE PROVIDED WITH WEATHER RAINHOOD.
4. FIELD VERIFY ALL COIL CONNECTION CONFIGURATIONS.
5. VFDs SHALL BE ABB ACH580 SERIES, OR APPROVED EQUAL. SEE SPECIFICATION SECTION 23 09 20 (VARIABLE FREQUENCY DRIVES).
6. OA DAMPER TO BE SIZED NOT TO EXCEED 850 FPM THRU FACE AREA.
7. PROVIDE LABELS ON ALL UNIT ACCESS DOORS IDENTIFYING COMPONENTS WITHIN.
8. PROVIDE ACCESS DOOR TO SPACE BETWEEN COIL AND EVAP SECTION.
10. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO CONNECT ALL FACTORY 480V AND ALL 120V WIRING AT EACH AIR HANDLING UNIT DE-MOUNT LOCATION, SEE AHU ELECTRICAL LAYOUT DRAWINGS.
11. PROVIDE SINGLE POINT POWER CONNECTION. PROVIDE A 480V MAIN UNIT DISCONNECT AND A SEPARATE 120V DISCONNECT ***(XX MCA)*** FOR LIGHTS AND CONVENIENCE OUTLET.
12. UNITS SHALL BE PROVIDED WITH A SEISMIC CURB PLACING THE UNIT 14" ABOVE FINISHED ROOF.
13. MANUFACTURER SHALL PROVIDE INSTRUMENT TEST PORT COVERS IN THE MIDDLE OF EACH ACCESS DOOR. TEST PORT COVERS SHALL BE VENTLOK MODEL 699, OR APPROVED EQUAL.
14. FILTER SIZE APPLIES TO 2" THICK MERV 8A PRE-FILTERS
15. THE SA DUCTWORK IMMEDIATELY CONNECTING TO EACH AIR HANDLING UNIT SHALL BE EXTERNALLY INSULATED WITH SOUND ATTENUATING DUCT WRAP (SEE SPECIFICATION SECTION 23 07 00 FOR REQUIREMENTS).

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CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
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CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
MECHANICAL SCHEDULES

job number
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SPLIT SYSTEM INDOOR UNIT SCHEDULE

SYMBOL	AREA SERVED	MANUFACTURER AND MODEL NO.	TYPE	COOLING			HEATING			LIQUID / SUCTION (IN)	PEAK AIRFLOW (CFM)	ELECTRICAL			OPERATING WEIGHT (LBS)
				NOMINAL SENSIBLE (MBH)	DESIGN INDOOR TEMP (°F)	DESIGN OUTDOOR TEMP (°F)	NOMINAL CAPACITY (MBH)	DESIGN INDOOR TEMP (°F)	DESIGN OUTDOOR TEMP (°F)			VOLTAGE/ PHASE	MCA	MOCP	
ACI 1	ELECTRICAL E100	DAIKIN MODEL FTXV24AVJU9	WALL MOUNT	17	80	97.0	24	70	0.0	1/4 / 5/8	629	-	-	-	50
ACI 2	TELECOM T100	DAIKIN MODEL FTXV36AVJU9	WALL MOUNT	22	80	97.0	36	70	0.0	1/4 / 5/8	971	-	-	-	65
ACI 3A	MECHANICAL M100	DAIKIN MODEL FTXV18AVJU9	WALL MOUNT	15	80	97.0	22	70	0.0	1/4 / 5/8	565	-	-	-	50
ACI 3B	MECHANICAL M100	DAIKIN MODEL FTXV18AVJU9	WALL MOUNT	15	80	97.0	22	70	0.0	1/4 / 5/8	565	-	-	-	50
ACI 4	TELECOM T101	DAIKIN MODEL FTXV36AVJU9	WALL MOUNT	22	80	97.0	36	70	0.0	1/4 / 5/8	971	-	-	-	60
ACI 5	ELECTRICAL E101	DAIKIN MODEL FTXV18AVJU9	WALL MOUNT	15	80	97.0	22	70	0.0	1/4 / 5/8	565	-	-	-	50

ACCESSORIES:
1. DISCONNECT BY DIVISION 26
2. WIRED CONTROLLER
3. BACNET INTERFACE
4. INTEGRAL CONDENSATE PUMP

NOTES:
1. DATA HEREIN HAS BEEN ADJUSTED FOR 4,500 FT ELEVATION.
2. INDOOR UNIT(S) POWERED SEPARATELY FROM OUTDOOR UNIT.
3. SEE SPECIFICATION SECTION 232300 FOR REFRIGERANT PIPING PRESSURE TESTING, EVACUATION, AND CHARGING REQUIREMENTS.
4. MOUNT BOTTOM OF UNIT @ +15 -7" AFF.

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

SYMBOL	MANUFACTURER AND MODEL NO.	EER2	SEER2	COP	COOLING		HEATING		ELECTRICAL			OPERATING WEIGHT (LBS)
					NOMINAL SENSIBLE (MBH)	DESIGN OUTDOOR TEMP (°F)	NOMINAL CAPACITY (MBH)	DESIGN OUTDOOR TEMP (°F)	VOLTAGE/ PHASE	MCA	MOCP	
ACO 1	DAIKIN RXT24AVJU9	12	21	-	17	100	24.0	0	208V/1PH	21.4	25	160
ACO 2	DAIKIN RXV36AVJU9	9.8	18	-	22	100	36.0	0	208V/1PH	22.0	25	160
ACO 3	DAIKIN 4MXT36AVJU8	12	20	-	34	100	33.2	0	208V/1PH	37.5	-	250
ACO 4	DAIKIN RXV36AVJU9	9.8	18	-	23	100	25.8	0	208V/1PH	22.0	25	160
ACO 5	DAIKIN RXT18AVJU9	12	21	-	15	100	22.0	0	208V/1PH	21.4	25	160

ACCESSORIES:
1. DISCONNECT BY DIVISION 26
2. WIRED CONTROLLER
3. WIND BAFFLE
4. LOW AMBIENT KIT (TO -13°F)
5. SNOW AND HAIL GUARD KIT

NOTES:
1. DATA HEREIN HAS BEEN ADJUSTED FOR 4,500 FT ELEVATION.
2. UNITS SELECTED WITH R-***32*** REFRIGERANT.

HEAT TRACE SCHEDULE

SYMBOL	SYSTEM SERVED	MANUFACTURER AND MODEL NO.	PIPING LENGTH (FEET)	HEAT TRACE LENGTH (FEET)	VOLTAGE/ PHASE	OPERATING AMPS (A)	COLD START AMPS (A)
EHT 1	DISPATCH 111 CONDENSATE COOLER 112 CONDENSATE	RAYCHEM 5XLE2-CR	68	85	208/1	1.6	3.8
EHT 2	COOLER 113 CONDENSATE COOLER 114 CONDENSATE	RAYCHEM 5XLE2-CR	68	85	208/1	1.6	4.1
EHT 3	FREEZER 115 CONDENSATE	RAYCHEM 5XLE2-CR	34	43	208/1	0.8	1.9
EHT 4	COOLER 116 CONDENSATE FREEZER 117 CONDENSATE	RAYCHEM 5XLE2-CR	80	100	208/1	1.9	4.5
EHT 5	COOLER 116 CONDENSATE FREEZER 117 CONDENSATE	RAYCHEM 5XLE2-CR	124	155	208/1	3.0	7.0
EHT 6	COOLER 121 CONDENSATE FREEZER 122 CONDENSATE	RAYCHEM 5XLE2-CR	33	41	208/1	0.8	2.0

ACCESSORIES:
1. DISCONNECT BY DIVISION 26
2. FACTORY CONTROLLER WITH BACNET INTERFACE
3. FACTORY OUTSIDE AIR TEMPERATURE SENSOR

NOTES:
1. LENGTH OF HEAT TRACING IS ESTIMATED TO ALLOW FOR DETERMINATION OF THE ASSOCIATED ELECTRICAL POWER LOAD
2. SEE SPECIFICATION SECTION 23 23 00 (HEAT TRACING FOR HVAC PIPING)
3. HEAT TRACE INTENDED FOR HVAC PIPING
4. 20A BREAKER MINIMUM

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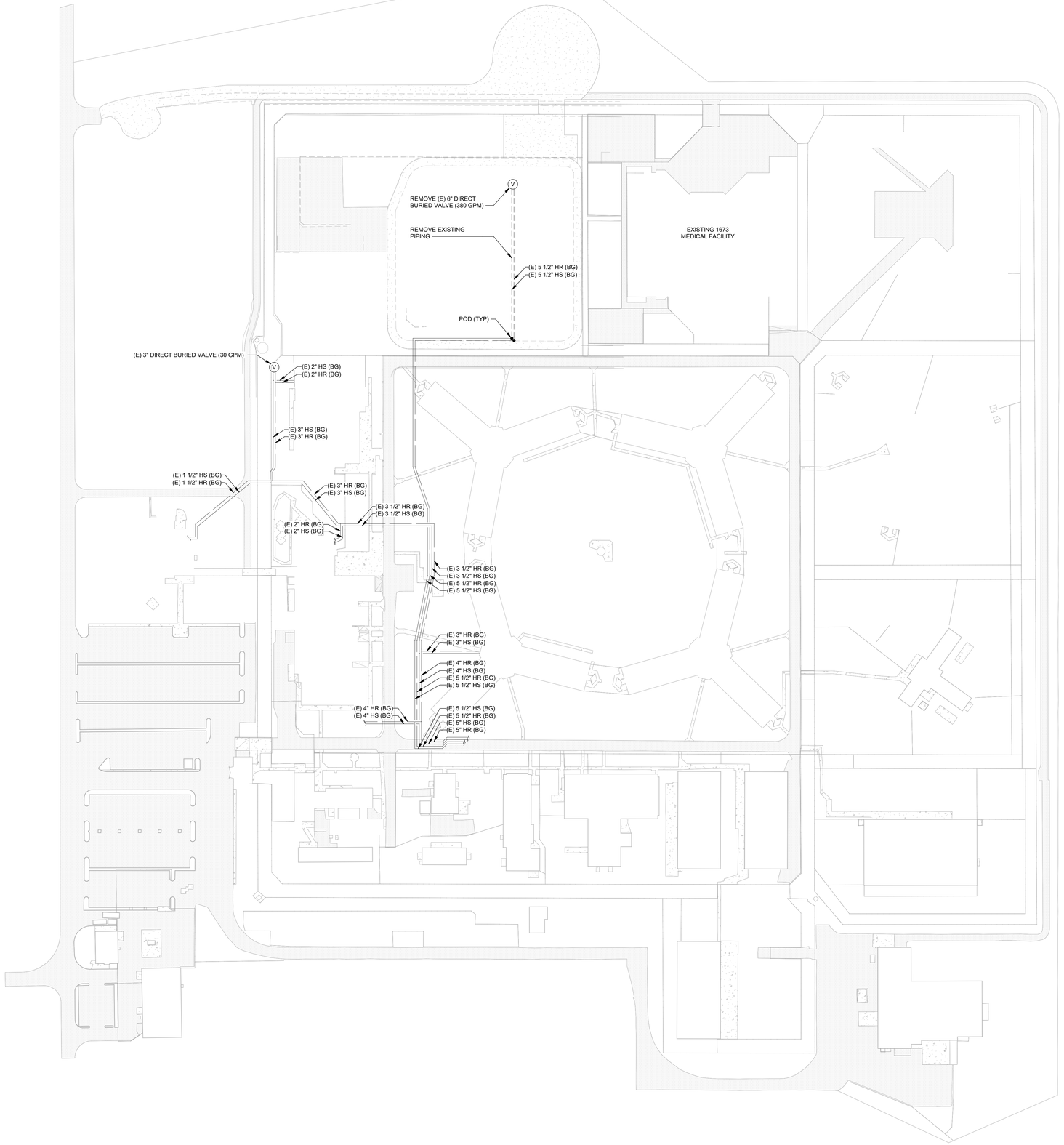
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MECHANICAL SCHEDULES

job number
25015

date
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MECHANICAL SITE PLAN DEMOLITION

SCALE: 1" = 80'-0"

1 / M1.1

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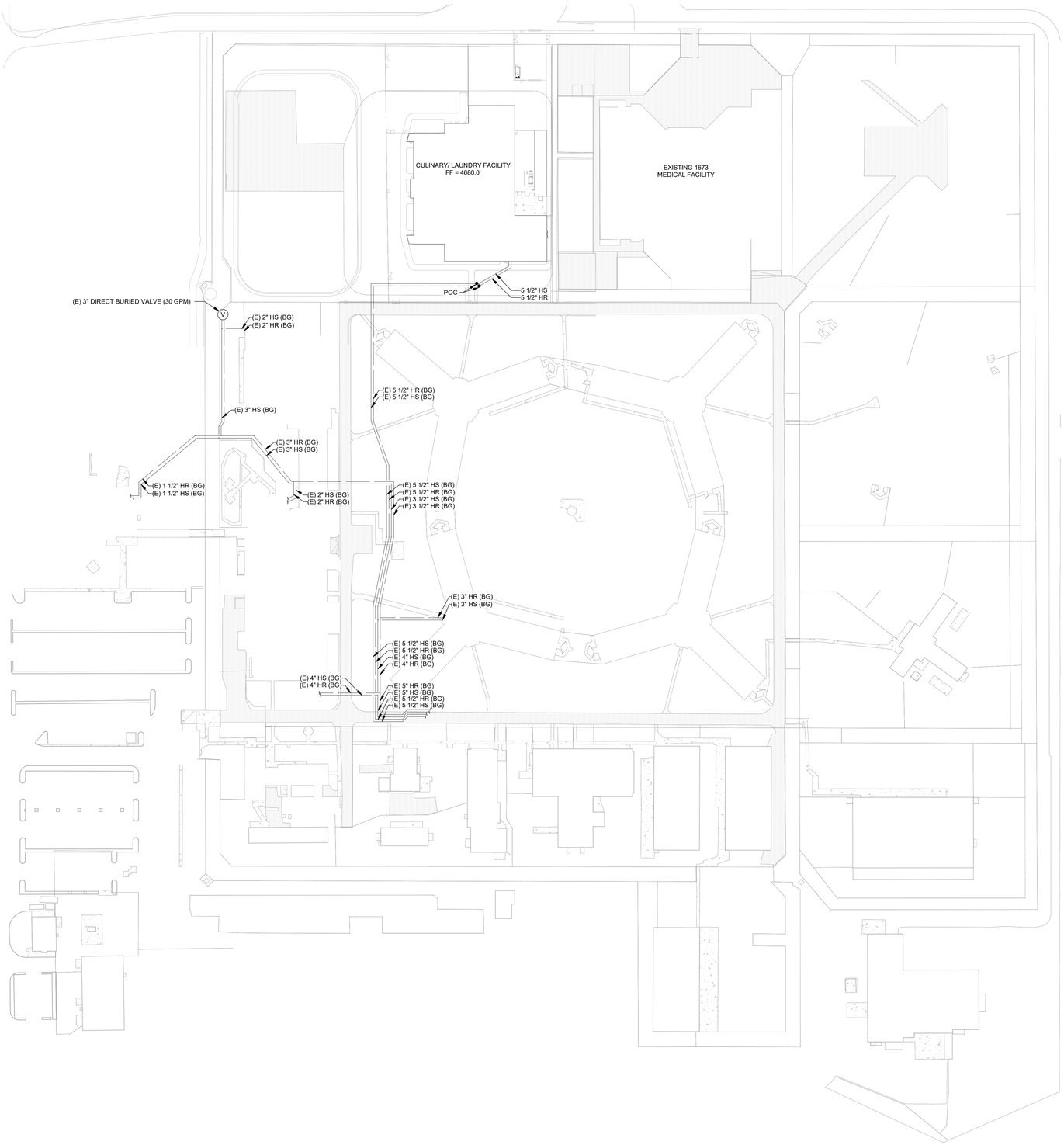
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drawing title
SITE PLAN DEMOLITION

job number
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date
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drawing number
M1.1



MECHANICAL SITE PLAN ALTERATION

SCALE: 1" = 80'-0"

1 / M1.2

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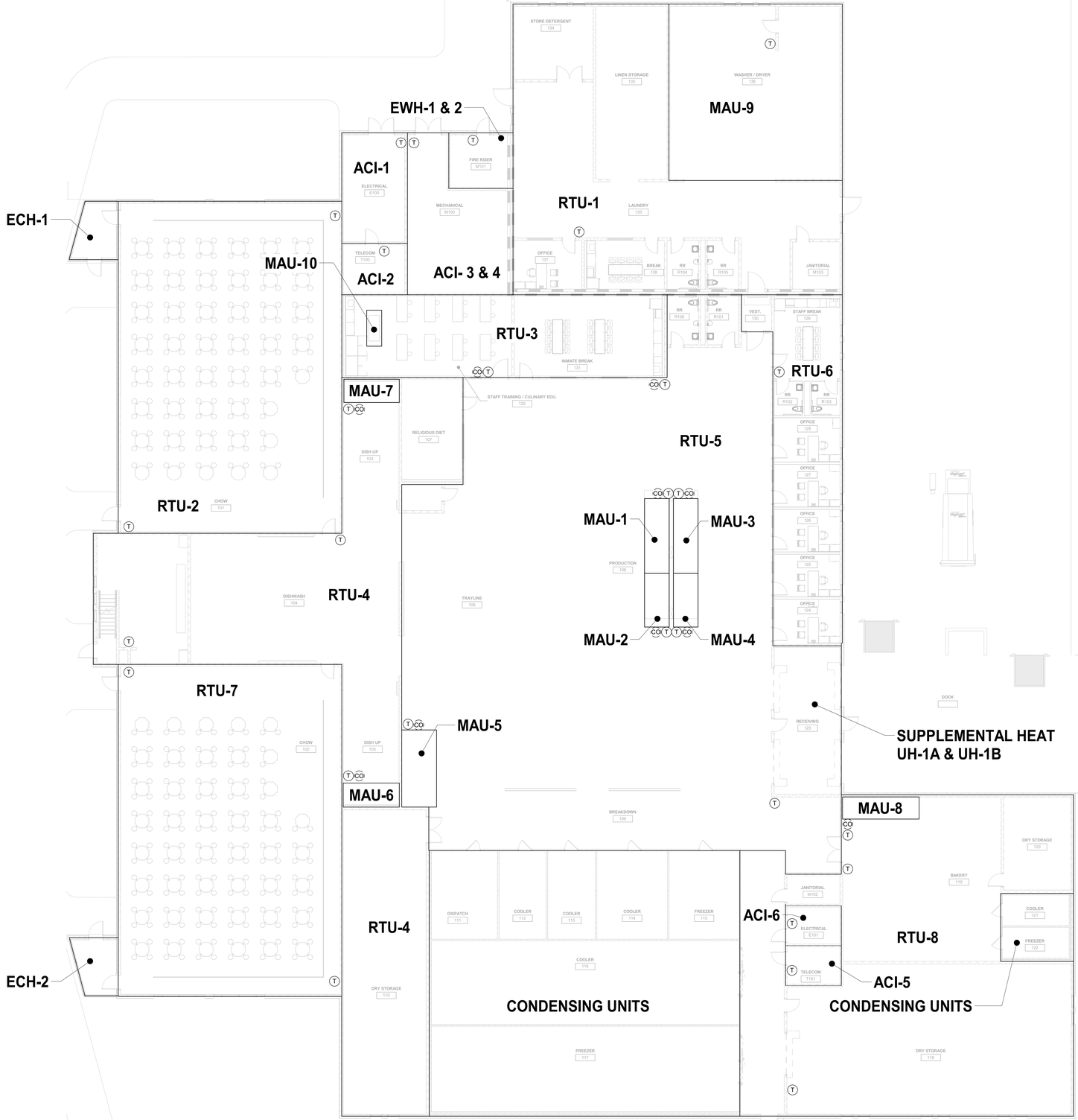
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drawing title
SITE PLAN ALTERATION

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M1.2



ZONING PLAN 1 / M1.3
SCALE: 3/32" = 1'-0"

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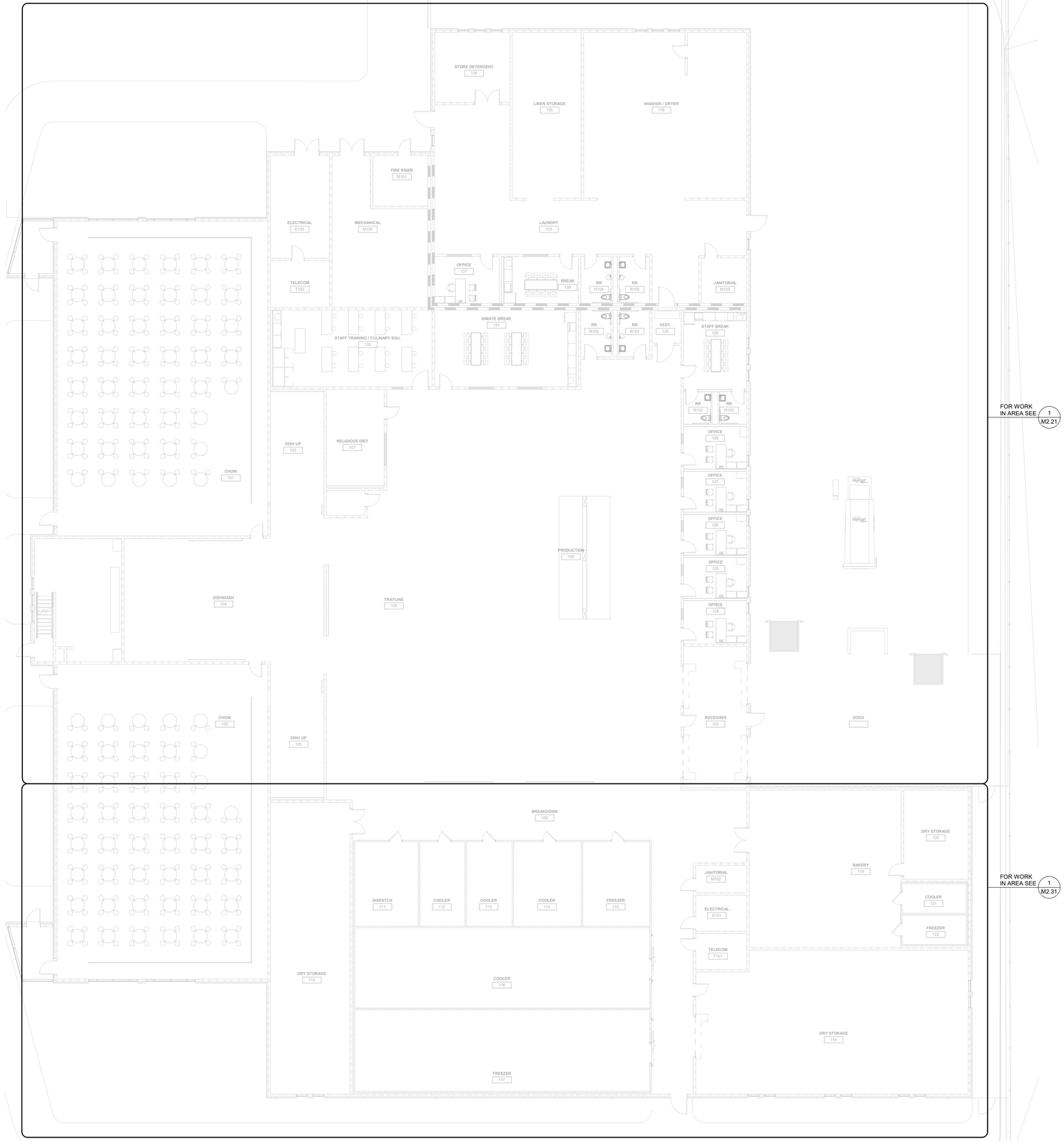
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ZONING PLAN

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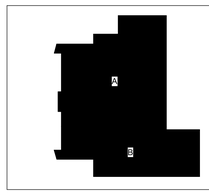
OVERALL BUILDING FLOOR PLAN 1 M2.1

SCALE: 3/32" = 1'-0"

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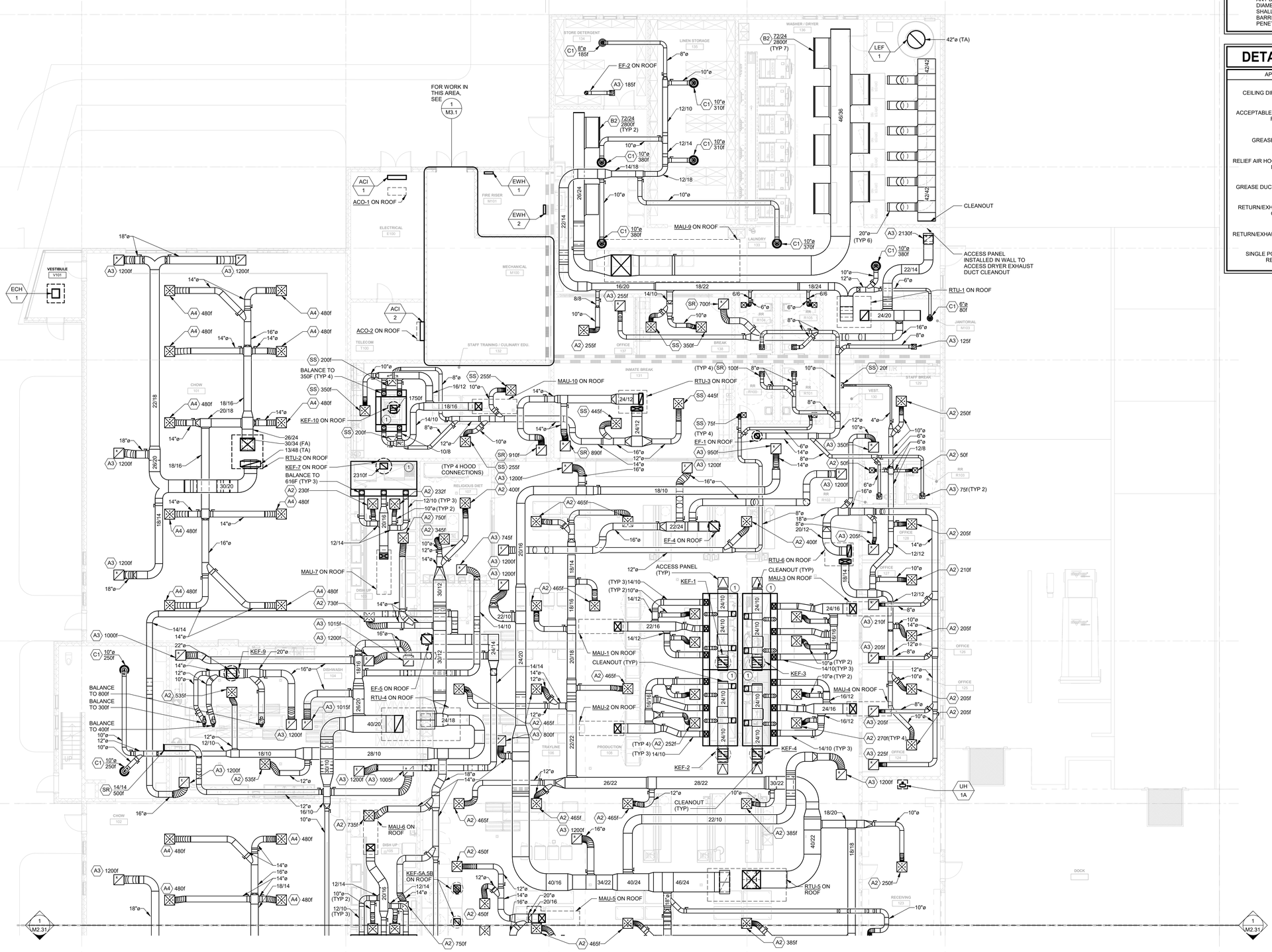
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OVERALL BUILDING FLOOR PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
M2.1

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OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA A

SCALE: 1/8" = 1'-0"

1 M2.21

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SHEET NOTES

1. SEE FOOD SERVICE PLANS FOR HOOD INFORMATION AND DETAILS

   ANY DUCTWORK GREATER THAN 8" DIAMETER THRU FULL HEIGHT WALLS SHALL HAVE GREENHECK SECURITY BARRIER BARS INSTALLED IN WALL PENETRATION.

DETAIL REFERENCE

APPLICATION	DETAIL
CEILING DIFFUSER (HARD LID)	3 M6.1
ACCEPTABLE BRANCH DUCTS AND FITTINGS	4 M6.1
GREASE EXHAUST FAN	5 M6.1
RELIEF AIR HOOD WITH BAROMETRIC DAMPER	1 M6.2
GREASE DUCT AND ACCESS DOOR	4 M6.2
RETURN/EXHAUST GRILLE (T-BAR CEILING)	7 M6.2
RETURN/EXHAUST GRILLE (HARD LID)	8 M6.2
SINGLE POWERED DAMPER REGULATOR	10 M6.3

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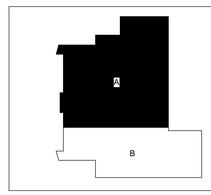
drawing title
OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA A

job number
25015

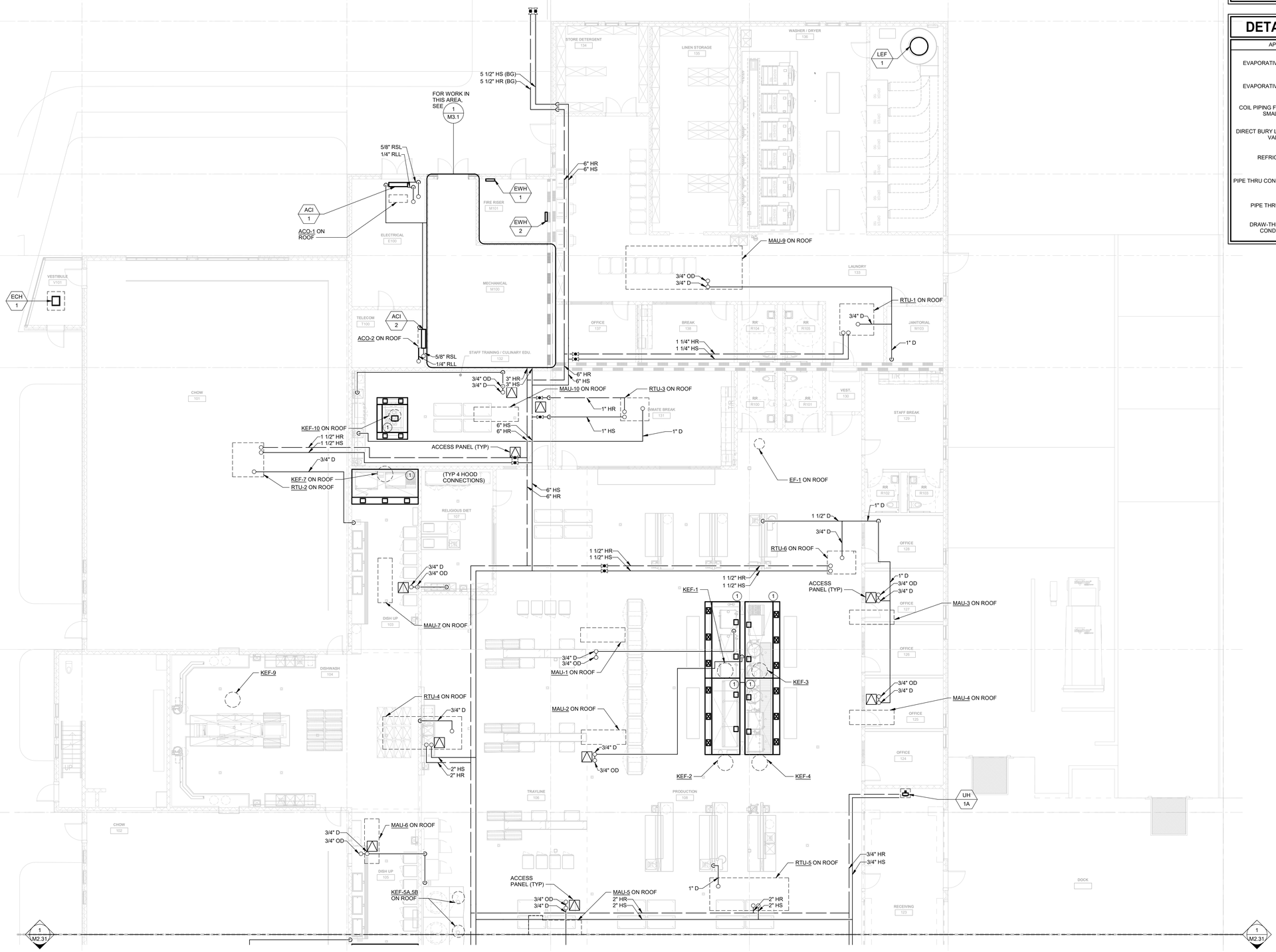
date
OCTOBER 26, 2026

drawing number
M2.21

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SHEET NOTES

1. SEE FOOD SERVICE PLANS FOR HOOD INFORMATION AND DETAILS

DETAIL REFERENCE

APPLICATION	DETAIL
EVAPORATIVE COOLER PIPING A	2 / M6.2
EVAPORATIVE COOLER PIPING C	3 / M6.2
COIL PIPING FOR PIPE SIZES 2" AND SMALLER (2-WAY)	5 / M6.2
DIRECT BURY LOW TEMP HOT WATER VALVE DETAIL	6 / M6.2
REFRIGERANT PIPING	2 / M6.3
PIPE THRU CONCRETE SLAB ON GRADE	3 / M6.3
PIPE THRU INTERIOR WALL	4 / M6.3
DRAW-THRU COOLING COIL CONDENSATE TRAP	9 / M6.3

OVERALL MECHANICAL PIPING BUILDING FLOOR PLAN - LEVEL 1 - AREA A

SCALE: 1/8" = 1'-0"

1 / M2.22

N

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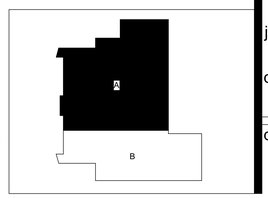
DESIGN DEVELOPMENT

drawing title
OVERALL MECHANICAL PIPING BUILDING FLOOR PLAN - LEVEL 1 - AREA A

job number
25015

date
OCTOBER 26, 2026

drawing number
M2.22



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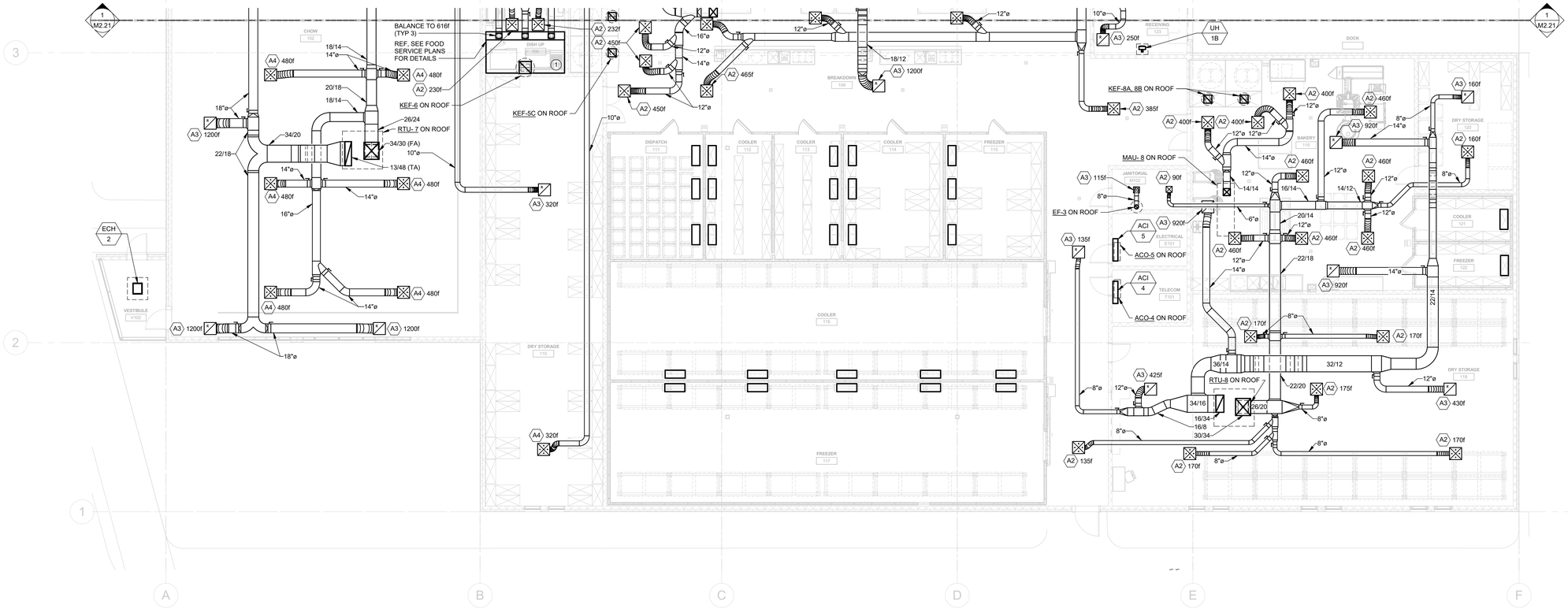
SHEET NOTES

1. SEE FOOD SERVICE PLANS FOR HOOD INFORMATION AND DETAILS

   ANY DUCTWORK GREATER THAN 8" DIAMETER THRU FULL HEIGHT WALLS SHALL HAVE GREENHECK SECURITY BARRIER BARS INSTALLED IN WALL PENETRATION.

DETAIL REFERENCE

APPLICATION	DETAIL
CEILING DIFFUSER (HARD LID)	3 / M6.1
ACCEPTABLE BRANCH DUCTS AND FITTINGS	4 / M6.1
GREASE EXHAUST FAN	5 / M6.1
RELIEF AIR HOOD WITH BAROMETRIC DAMPER	1 / M6.2
GREASE DUCT AND ACCESS DOOR	4 / M6.2
RETURN/EXHAUST GRILLE (T-BAR CEILING)	7 / M6.2
RETURN/EXHAUST GRILLE (HARD LID)	8 / M6.2
SINGLE POWERED DAMPER REGULATOR	10 / M6.3



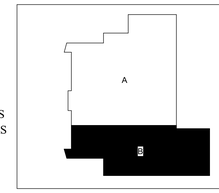
OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA B

1 / M2.31

SCALE: 1/8" = 1'-0"

N

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DESIGN DEVELOPMENT

drawing title
OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA B

job number
25015

date
OCTOBER 26, 2026

drawing number
M2.31

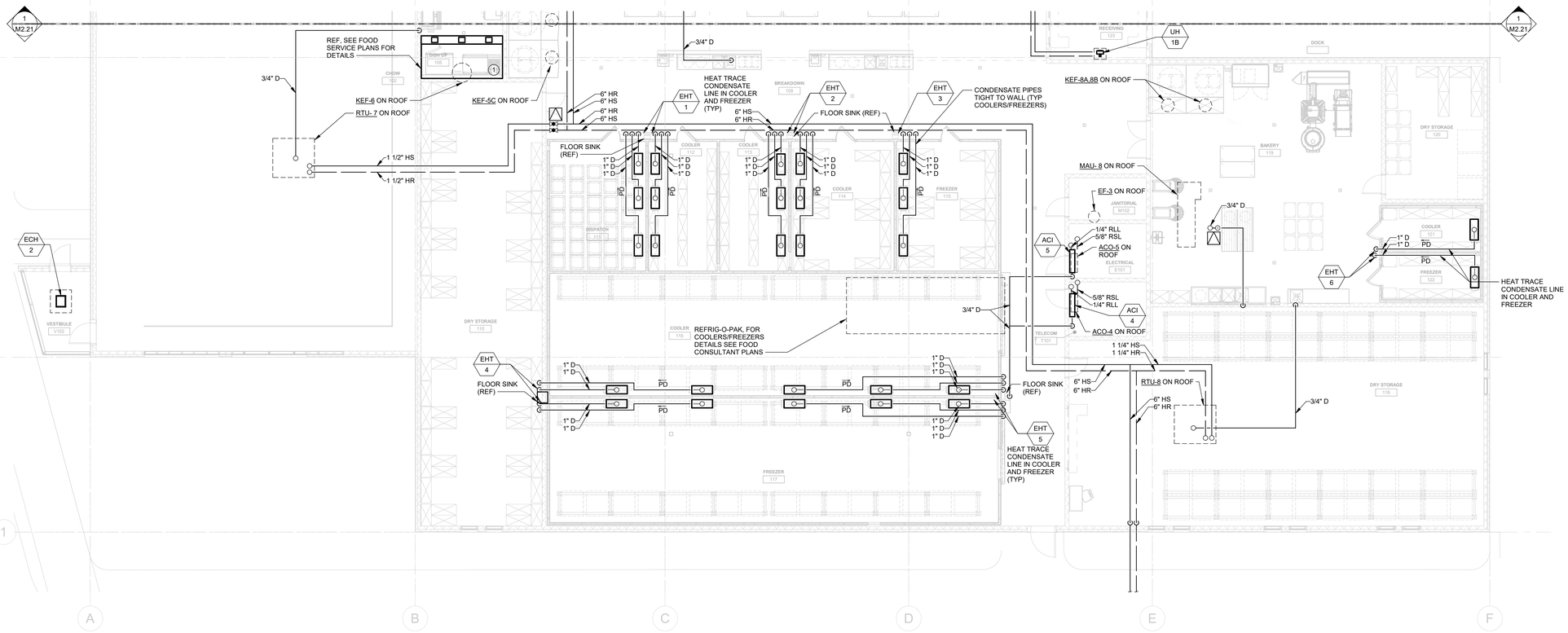
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SHEET NOTES

(1) SEE FOOD SERVICE PLANS FOR HOOD INFORMATION AND DETAILS

DETAIL REFERENCE

APPLICATION	DETAIL
EVAPORATIVE COOLER PIPING A	2 / M6.2
EVAPORATIVE COOLER PIPING C	3 / M6.2
COIL PIPING FOR PIPE SIZES 2" AND SMALLER (2-WAY)	5 / M6.2
DIRECT BURY LOW TEMP HOT WATER VALVE DETAIL	6 / M6.2
REFRIGERANT PIPING	2 / M6.3
PIPE THRU CONCRETE SLAB ON GRADE	3 / M6.3
PIPE THRU INTERIOR WALL	4 / M6.3
DRAW-THRU COOLING COIL CONDENSATE TRAP	9 / M6.3



OVERALL MECHANICAL PIPING BUILDING FLOOR PLAN - LEVEL 1 - AREA B (1 / M2.32)

SCALE: 1/8" = 1'-0"

N

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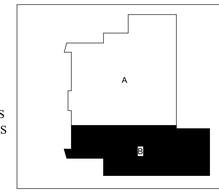
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OVERALL MECHANICAL PIPING BUILDING FLOOR PLAN - LEVEL 1 - AREA B

job number
25015

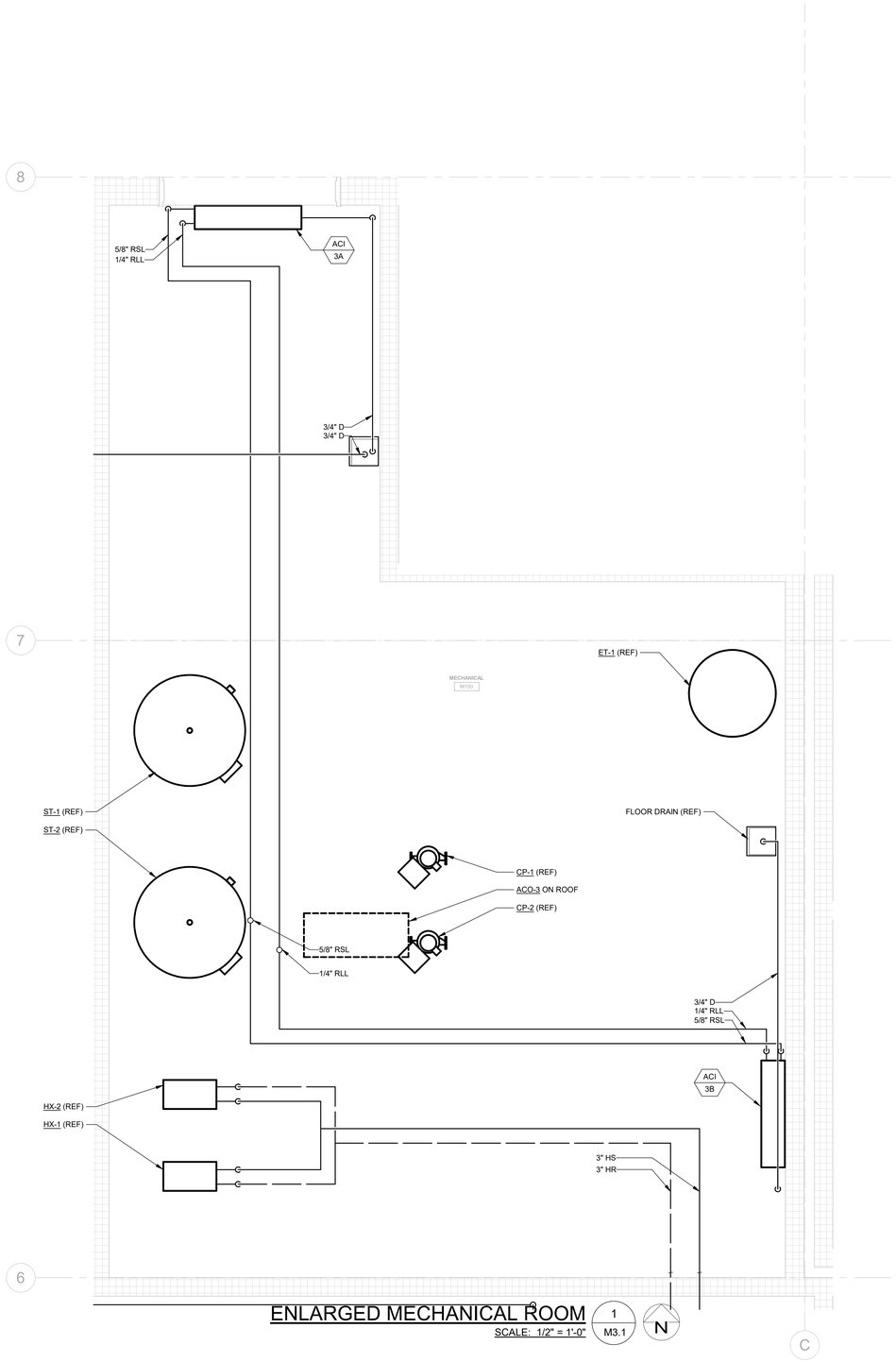
date
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drawing number
M2.32

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ENLARGED MECHANICAL ROOM

SCALE: 1/2" = 1'-0"

1 / M3.1

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DESIGN DEVELOPMENT

drawing title
ENLARGED MECHANICAL FLOOR PLANS

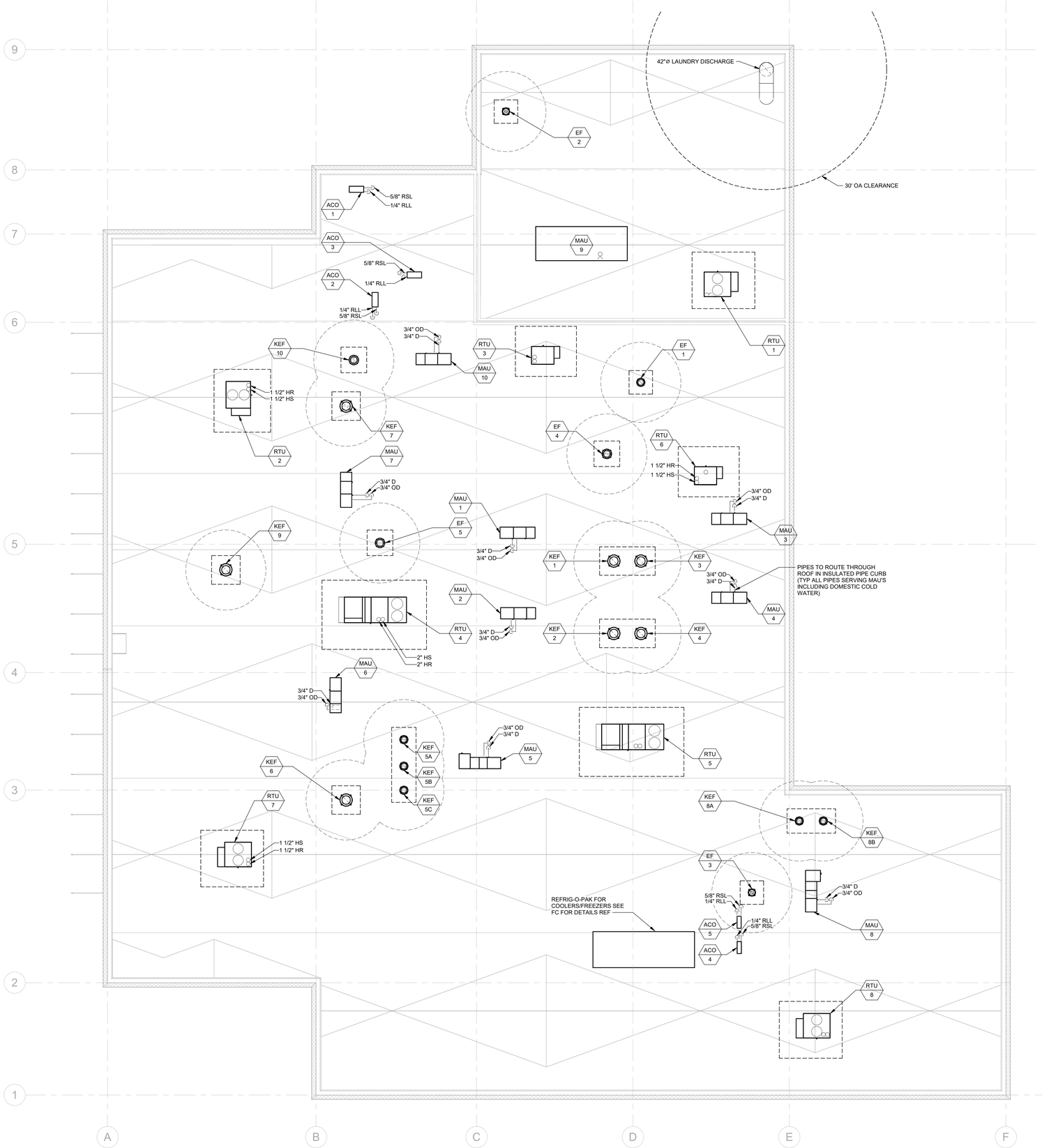
job number
25015

date
OCTOBER 26, 2026

drawing number
M3.1

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SHEET NOTES

1. SEE FOOD SERVICE PLANS FOR HOOD INFORMATION AND DETAILS

DETAIL REFERENCE

APPLICATION	DETAIL
MECHANICAL EQUIPMENT CURB	1 M6.1
EXHAUST FAN CURB/FLASHING	2 M6.1
GREASE EXHAUST FAN	5 M6.1
RELIEF AIR HOOD WITH BAROMETRIC DAMPER	1 M6.2
EVAPORATIVE COOLER PIPING A	2 M6.2
EVAPORATIVE COOLER PIPING C	3 M6.2
COIL PIPING FOR PIPE SIZES 2" AND SMALLER (2-WAY)	5 M6.2
CONDENSING UNIT CURB	5 M6.3
PIPE CURB A	6 M6.3
PIPE CURB B	7 M6.3
UNIT HEATER SUPPORT	8 M6.3

OVERALL MECHANICAL ROOF PLAN (1 / M4.1)
SCALE: 3/32" = 1'-0"

N

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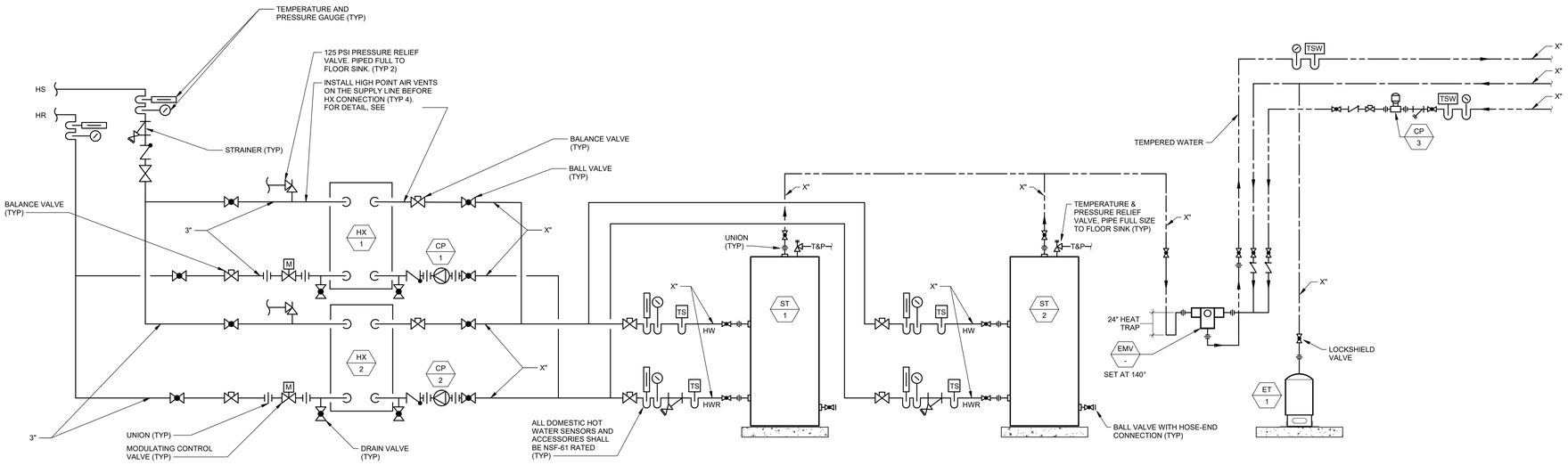
drawing title
OVERALL MECHANICAL ROOF PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
M4.1

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MECHANICAL PIPING DIAGRAM FOR DHW (1 / M5.1)

SCALE: NONE

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drawing title
MECHANICAL PIPING DIAGRAM FOR DHW

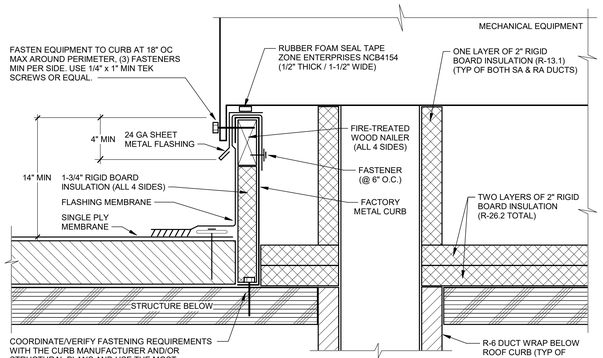
job number
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date
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drawing number
M5.1

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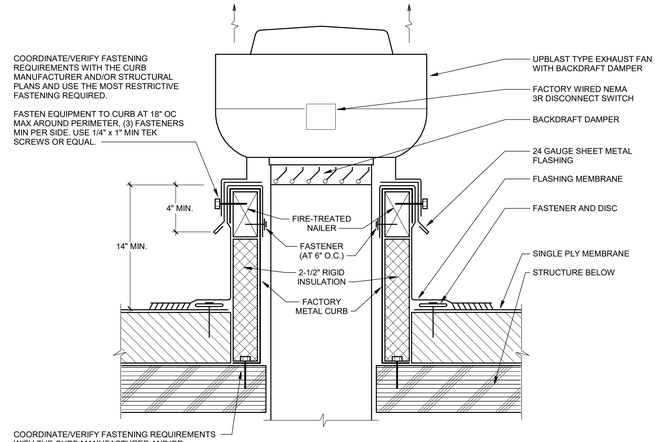


FASTEN CURB TO STRUCTURE AT 18" OC MAX AROUND PERIMETER, (3) FASTENERS MIN PER SIDE.

WOOD STRUCTURE: USE 2-1/2" #12 WOOD SCREWS OR EQUAL.
STEEL STRUCTURE: USE 1-1/2" #12 SELF-TAPPING SCREWS OR EQUAL.
CONCRETE STRUCTURE: USE 1/4" x 1-7/8" MIN SIMPSON TITEN HD ANCHORS OR EQUAL.

NOTES:
1. CURB, FLASHING, AND INSULATION IS CONTINUOUS (FOUR-SIDED).
2. COORDINATE SINGLE-PLY FLASHING WITH ARCHITECTURAL.
3. SEE SPECIFICATION SECTION 23 07 00 (INSULATION FOR HVAC SYSTEMS) FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

MECHANICAL EQUIPMENT CURB
1 / M6.1
SCALE: NONE

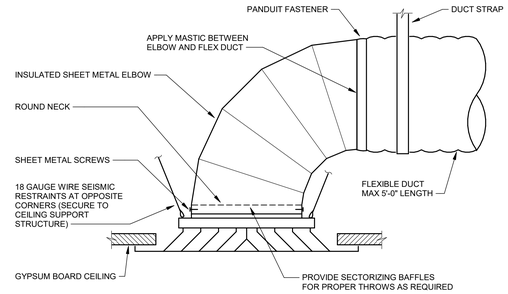


FASTEN CURB TO STRUCTURE AT 18" OC MAX AROUND PERIMETER, (3) FASTENERS MIN PER SIDE.

WOOD STRUCTURE: USE 2-1/2" #12 WOOD SCREWS OR EQUAL.
STEEL STRUCTURE: USE 1-1/2" #12 SELF-TAPPING SCREWS OR EQUAL.
CONCRETE STRUCTURE: USE 1/4" x 1-7/8" MIN SIMPSON TITEN HD ANCHORS OR EQUAL.

NOTES:
1. CURB IS CONTINUOUS (FOUR-SIDED).
2. SLOPING ROOF CURB.
3. SEE ARCH. DWG'S FOR ROOF CONSTRUCTION.

EXHAUST FAN CURB/FLASHING
2 / M6.1
SCALE: NONE



CEILING DIFFUSER (HARD LID)
3 / M6.1
SCALE: NONE

RECTANGULAR DUCT **ROUND DUCT**

NOTES:
1. BRANCH DUCTS AND FITTINGS SHALL CONFORM TO THE ASSOCIATED REQUIREMENTS CONTAINED IN THE SMACNA HVAC SYSTEMS DUCT DESIGN MANUAL.
2. FOR ADDITIONAL REQUIREMENTS SEE SPECIFICATION SECTION 233100 (HVAC DUCTWORK).
3. PROVIDE MANUAL VOLUME DAMPER IN BRANCH DUCT WHEN BRANCH DUCT IS SERVING INDIVIDUAL INLETS AND/OR OUTLETS.

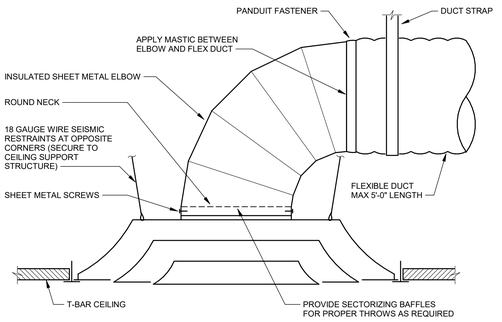
ACCEPTABLE BRANCH DUCTS AND FITTINGS
4 / M6.1
SCALE: NONE

FASTEN CURB TO STRUCTURE AT 18" OC MAX AROUND PERIMETER, (3) FASTENERS MIN PER SIDE.

WOOD STRUCTURE: USE 2-1/2" #12 WOOD SCREWS OR EQUAL.
STEEL STRUCTURE: USE 1-1/2" #12 SELF-TAPPING SCREWS OR EQUAL.
CONCRETE STRUCTURE: USE 1/4" x 1-7/8" MIN SIMPSON TITEN HD ANCHORS OR EQUAL.

NOTES:
1. CURB IS CONTINUOUS (FOUR-SIDED).
2. SLOPING ROOF CURB.
3. SEE ARCH. DWG'S FOR ROOF CONSTRUCTION.

GREASE EXHAUST FAN
5 / M6.1
SCALE: NONE



CEILING DIFFUSER (T-BAR CEILING)
6 / M6.1
SCALE: NONE

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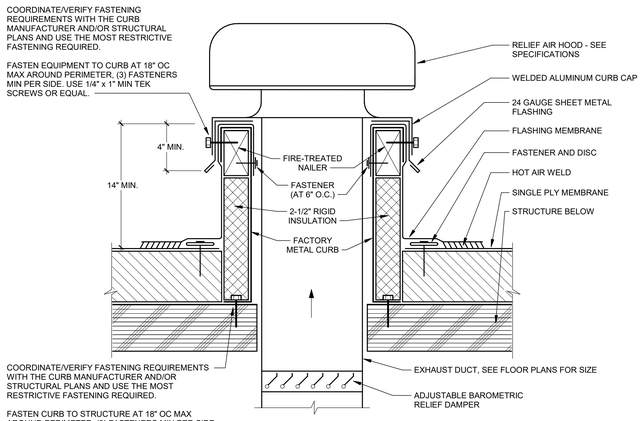
drawing title
MECHANICAL DETAILS

job number
25015

date
OCTOBER 26, 2026

drawing number
M6.1

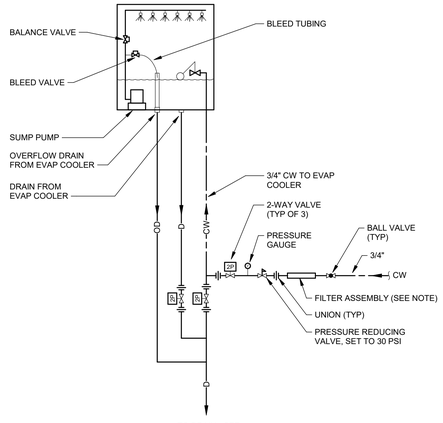
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NOTES:
1. CURB IS CONTINUOUS (FOUR-SIDED).
2. SEE ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION.

RELIEF AIR HOOD WITH BAROMETRIC DAMPER

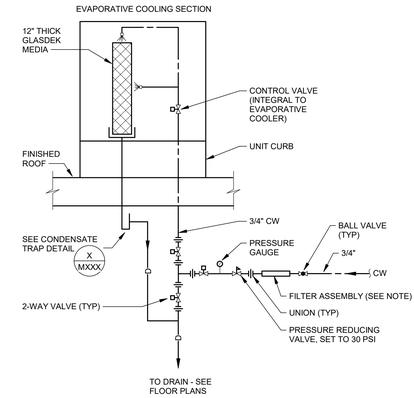
SCALE: NONE — 1 / M6.2



NOTES:
1. INSTALL CONTROL VALVES AND FILTER ASSEMBLY IN ACCESSIBLE LOCATION AT APPROXIMATELY 48" AFF.
2. ADJUST BLEED RATE TO APPROXIMATELY 1 OUNCE PER MINUTE PER 1,000 CFM.
3. WATER FILTER SHALL BE AXIOM MODEL SPF-10 OR APPROVED EQUAL.

EVAPORATIVE COOLER PIPING A

SCALE: NONE — 2 / M6.2



NOTES:
1. INSTALL CONTROL VALVES AND FILTER ASSEMBLY IN ACCESSIBLE LOCATION AT APPROXIMATELY 48" AFF.
2. WATER FILTER SHALL BE AXIOM MODEL SPF-10 OR APPROVED EQUAL.

EVAPORATIVE COOLER PIPING C

SCALE: NONE — 3 / M6.2

GREASE DUCT AND ACCESS DOOR

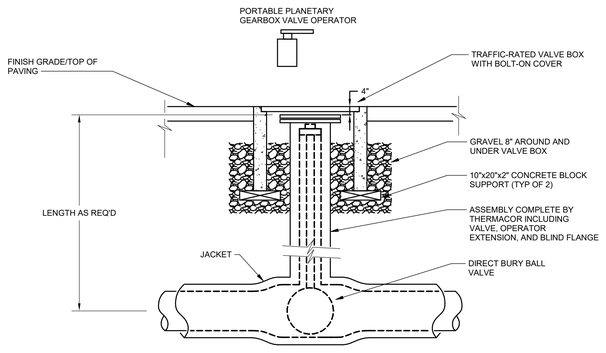
SCALE: NONE — 4 / M6.2

ONE COIL — TWO COILS

NOTES:
1. ALL MODEL NUMBERS ARE PRO HYDRONIC SPECIALTIES.
2. SEE SPECIFICATION SECTION 230510 (VALVES FOR HVAC SYSTEMS).
3. SEE EQUIPMENT SELECTIONS FOR NUMBER OF COILS.

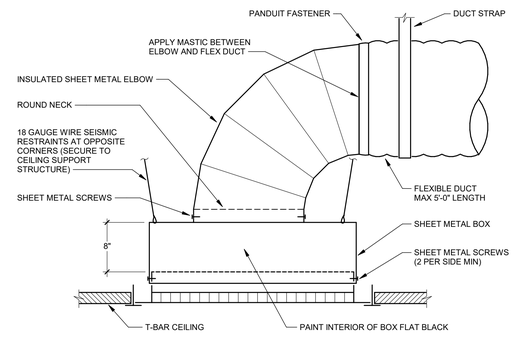
COIL PIPING FOR PIPE SIZES 2" AND SMALLER (2-WAY)

SCALE: NONE — 5 / M6.2



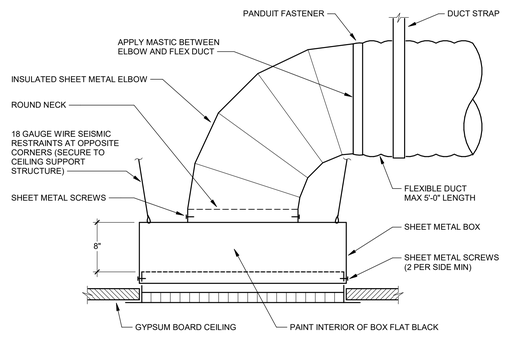
DIRECT BURY LOW TEMP HOT WATER VALVE DETAIL

SCALE: NONE — 6 / M6.2



RETURN/EXHAUST GRILLE (T-BAR CEILING)

SCALE: NONE — 7 / M6.2



RETURN/EXHAUST GRILLE (HARD LID)

SCALE: NONE — 8 / M6.2

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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PROGRESS
NOT FOR CONSTRUCTION

Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

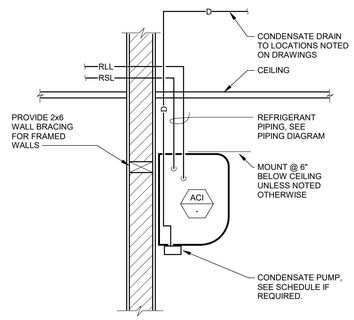
drawing title
MECHANICAL DETAILS

job number
25015

date
OCTOBER 26, 2026

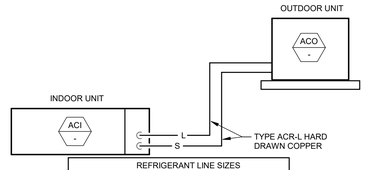
drawing number
M6.2

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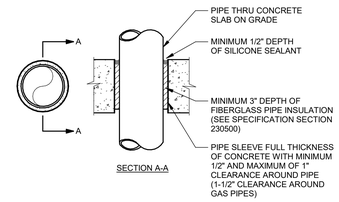
NOTES:
1. INSTALL UNIT PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SEE SPECIFICATION SECTION 232400 (REFRIGERANT PIPING AND ACCESSORIES) FOR ADDITIONAL REQUIREMENTS.

ACI (WALL MOUNTED) 1 / M6.3
SCALE: NONE



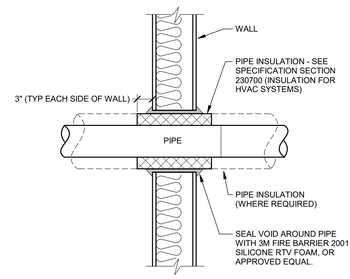
REFRIGERANT LINE SIZES		
SYMBOL	LIQUID O.D.	SUCTION O.D.
ACI 1 / ACO 1	1/4"	5/8"
ACI 2 / ACO 2	1/4"	5/8"
ACI 3B / ACI 3A / ACO 3	1/4"	5/8"
ACI 4 / ACO 4	1/4"	5/8"
ACI 5 / ACO 5	1/4"	5/8"

REFRIGERANT PIPING 2 / M6.3
SCALE: NONE



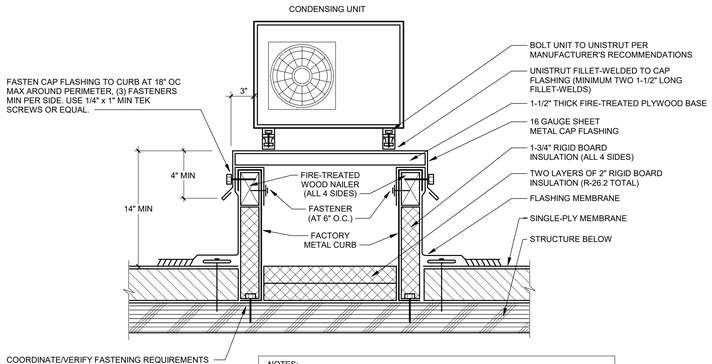
SECTION A-A

PIPE THRU CONCRETE SLAB ON GRADE 3 / M6.3
SCALE: NONE



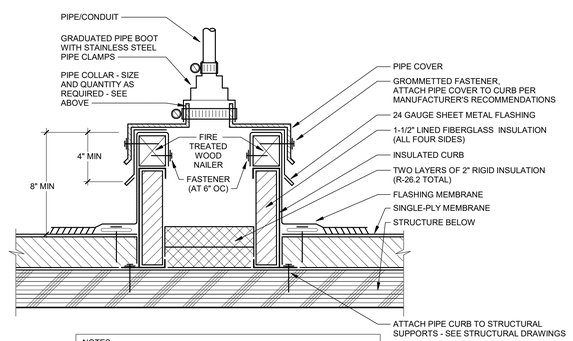
NOTE:
PENETRATIONS THROUGH A FIRE RATED WALL SHALL BE IN ACCORDANCE WITH A LISTED UL ASSEMBLY.

PIPE THRU INTERIOR WALL 4 / M6.3
SCALE: NONE



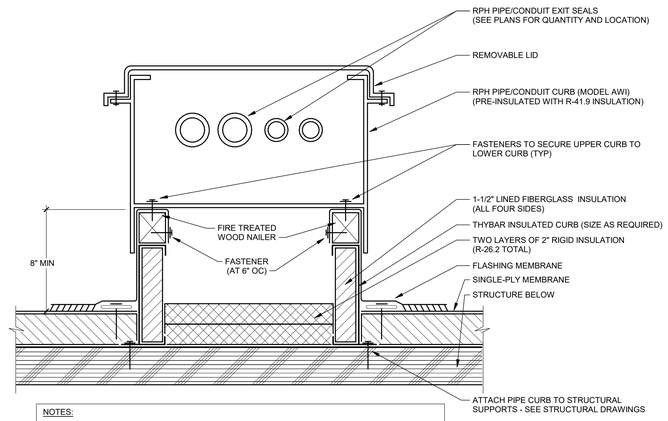
NOTES:
1. ROUTE REFRIGERANT PIPING AND CONDUIT THRU ROOF ADJACENT TO CONDENSING UNIT CURB PER PIPE/CONDUIT FLASHING DETAIL.
2. CURB AND FLASHING IS CONTINUOUS (FOUR-SIDED).
3. COORDINATE SINGLE-PLY FLASHING WITH ARCHITECTURAL.
4. FOR EQUIPMENT WEIGHING MORE THAN 400 LBS THE INTERIOR STRUCTURE OF THE ROOF CURB SHALL BE EVALUATED AND MODIFIED AS NECESSARY BY A NEVADA LICENSED STRUCTURAL ENGINEER AS INDICATED FOR DEFERRED SUBMITTALS IN SPECIFICATION SECTIONS 230530 (HANGERS AND SUPPORTS FOR HVAC SYSTEMS) AND 230540 (SEISMIC BRACING FOR HVAC SYSTEMS).
5. SEE SPECIFICATION SECTION 23 07 00 (INSULATION FOR HVAC SYSTEMS) FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

CONDENSING UNIT CURB 5 / M6.3
SCALE: NONE



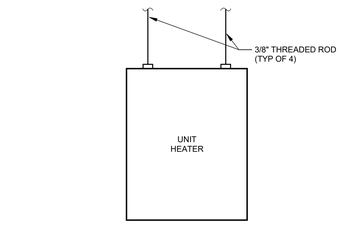
NOTES:
1. CURB IS CONTINUOUS (FOUR-SIDED).
2. SEE ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION.
3. SEE SPECIFICATION SECTION 23 07 00 (INSULATION FOR HVAC SYSTEMS) FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
4. PIPE COVERS SHALL BE MANUFACTURED BY PROTECH, PORTALS PLUS, THYBAR, OR APPROVED EQUAL.
5. PIPE COVER AND PIPE PORTAL OPTIONS VARY BY MANUFACTURER.

PIPE CURB A 6 / M6.3
SCALE: NONE



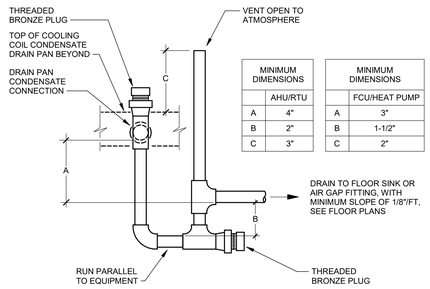
NOTES:
1. THE RPH PRE-MANUFACTURED CURB BASE IS NOT AN ACCEPTABLE SUBSTITUTE FOR THE CURB BASE SHOWN IN THIS DETAIL.
2. FOR A TYPICAL RPH MODEL AWI UPPER PIPE/CONDUIT CURB THE THYBAR BASE CURB OUTSIDE DIMENSIONS ARE 12" x 5-1/2" (COORDINATE WITH THE SELECTED RPH UPPER CURB).
3. CURB IS CONTINUOUS (FOUR-SIDED).
4. SEE ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION.
5. SEE SPECIFICATION SECTION 23 07 00 (INSULATION FOR HVAC SYSTEMS) FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PIPE CURB B 7 / M6.3
SCALE: NONE



NOTES:
1. MOUNT UNIT HEATER AT 8'-0".
2. SUPPORT WITH (4) 3/8" THREADED RODS SECURED TO ROOF STRUCTURE.
3. PROVIDE LATERAL BRACING AS APPROPRIATE FOR THE APPLICABLE SEISMIC ZONE.
4. INSTALL UNISTRUT P5501T 1-5/8" x 4-7/8" BACK-TO-BACK SLOTTED STRUT ACROSS ROOF STRUCTURE TO ENSURE ACCURATE PLACEMENT OF UNIT HEATERS.
5. SEE SPECIFICATION SECTIONS 230530 (HANGERS AND SUPPORTS FOR HVAC SYSTEMS) AND 230540 (SEISMIC BRACING FOR HVAC SYSTEMS) FOR ADDITIONAL REQUIREMENTS.

UNIT HEATER SUPPORT 8 / M6.3
SCALE: NONE

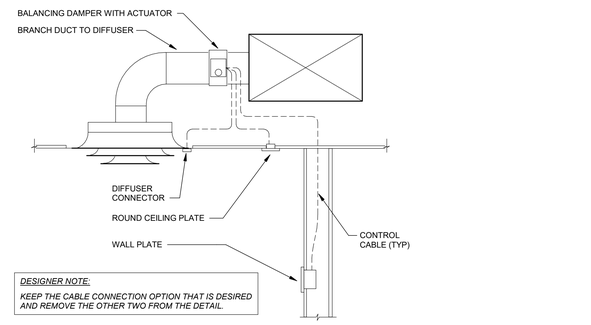


MINIMUM DIMENSIONS	
	AHU/RTU
A	4"
B	2"
C	3"

MINIMUM DIMENSIONS	
	FCU/HEAT PUMP
A	3"
B	1-1/2"
C	2"

NOTES:
1. ALL PIPING TO BE THE SAME SIZE AS THE EQUIPMENT CONDENSATE DRAIN CONNECTION.
2. FOR FAN COIL UNITS AND/OR HEAT PUMPS THAT HAVE AN OVERFLOW DRAIN CONNECTION, PIPE THE OVERFLOW DRAIN TO AN APPROVED LOCATION OR AS SHOWN ON THE DRAWINGS.

DRAW-THRU COOLING COIL CONDENSATE TRAP 9 / M6.3
SCALE: NONE



DESIGNER NOTE:
KEEP THE CABLE CONNECTION OPTION THAT IS DESIRED AND REMOVE THE OTHER TWO FROM THE DETAIL.

NOTES:
1. THIS DETAIL APPLIES AT GYPSUM BOARD WALLS AND CEILINGS WHERE SHOWN ON THE DRAWINGS.
2. DELIVER AN 'EZ BALANCE' HAND HELD REMOTE TO THE OWNER FOR POTENTIAL FUTURE USE.
3. BEFORE INSTALLATION, ENSURE THE DAMPER IS ABLE TO ROTATE FROM FULLY CLOSED TO FULLY OPEN.
4. DAMPER SHALL BE INITIALLY INSTALLED IN THE 100% OPEN POSITION.
5. ENSURE THE CEILING PLATE OR WALL PLATE IS PLACED IN AN ACCESSIBLE LOCATION.
6. LABEL ALL CONTROL CABLES INDICATING THE DIFFUSER THEY ARE ASSOCIATED WITH.
7. KEEP CABLE LENGTH TO A MINIMUM.

SINGLE POWERED DAMPER REGULATOR 10 / M6.3
SCALE: NONE

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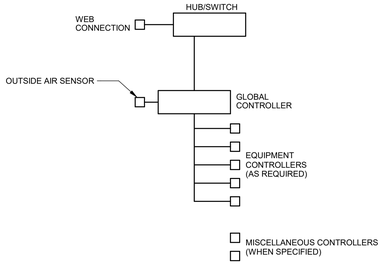
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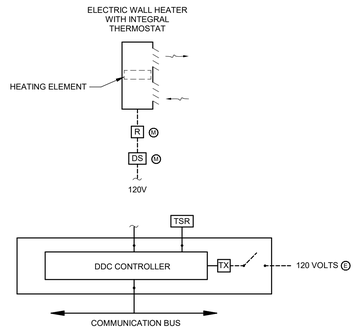
date
OCTOBER 26, 2026

drawing number
M6.3

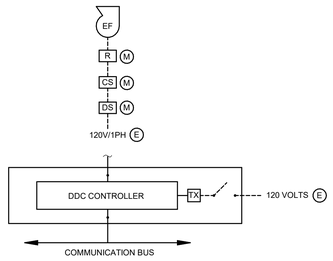
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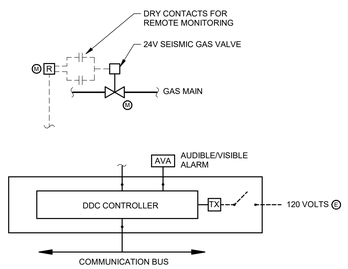
CONTROL SYSTEM ARCHITECTURE
SCALE: NONE — 1 / M7.1



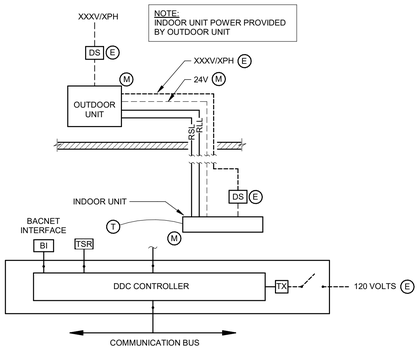
ELECTRIC WALL HEATER
SCALE: NONE — 2 / M7.1



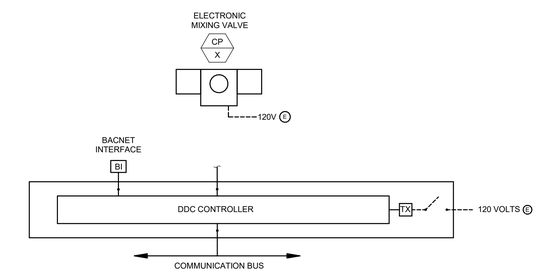
EXHAUST FAN
SCALE: NONE — 3 / M7.1



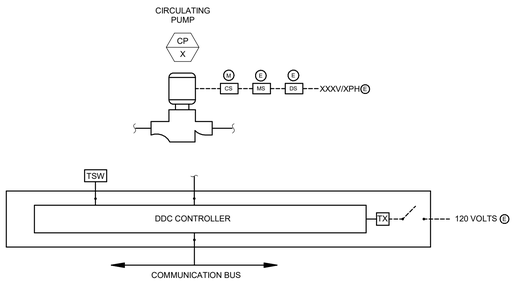
SEISMIC GAS VALVE
SCALE: NONE — 4 / M7.1



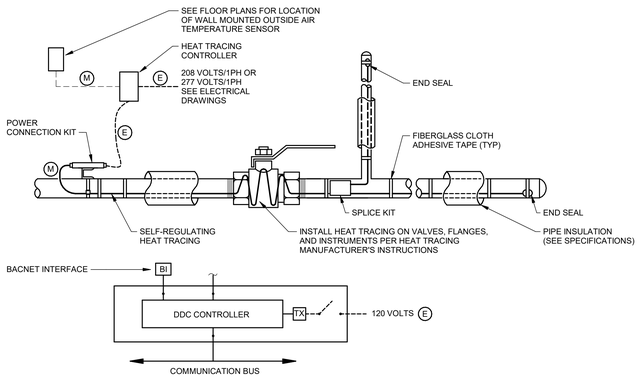
SPLIT SYSTEM HEAT PUMP A
SCALE: NONE — 5 / M7.1



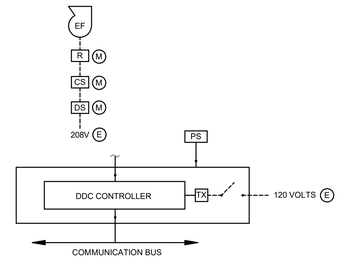
ELECTRONIC MIXING VALVE
SCALE: NONE — 6 / M7.1



CIRCULATING PUMP
SCALE: NONE — 7 / M7.1



FREEZE PROTECTION HEAT TRACE
SCALE: NONE — 8 / M7.1



NOTE:
THE EXHAUST FAN SHALL BE ENABLED AND MODULATED TO MAINTAIN A NEGATIVE PRESSURE BETWEEN -.005" AND -.02" WC IN THE KITCHEN SPACE AT ALL TIMES.

KITCHEN PRESSURIZATION FAN CONTROL DIAGRAM
SCALE: NONE — 10 / M7.1

VARIABLE FREQUENCY DRIVE SCHEDULE

EQUIPMENT	LOCATION	MOTOR (QTY) HP	MOTORS PER VFD	VFD QUANTITY	VFD HP	VOLTAGE/ PHASE	VFD PROVIDED BY
		(X) XXHP					TEMPERATURE CONTROLS CONTRACTOR

NOTES:
1. FURNISH ALL VFDs WITH INTEGRAL LOCKING DISCONNECT.
2. FURNISH ALL VFDs WITH BACNET INTERFACE CARD.
3. SEE SPECIFICATION SECTION 23 09 20 FOR ADDITIONAL INFORMATION.
4. COORDINATE ALL VFD SIZES, QUANTITIES, AND CHARACTERISTICS WITH THE ASSOCIATED EQUIPMENT PRIOR TO ORDERING.

CONTROLS CONTRACTOR NOTES

1. THE FOLLOWING COMMANDS AND DISPLAYS APPLY TO EACH "OPERATIONS TERMINAL" REQUIREMENTS LISTED FOLLOWING EACH CONTROL SEQUENCE.
   A. SYSTEM GRAPHICS (TO BE APPROVED BY OWNER) SHOWING DYNAMIC STATUS OF ALL POINTS AND EACH IDENTIFIER.
   B. CONTROL SEQUENCE ASSOCIATED WITH EACH GRAPHIC.
   C. CURRENT OA TEMPERATURE.
   D. ALARM HISTORIES.
   E. TREND LOGS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH OTHER CONTRACTORS TO PROVIDE A COMPLETE AND WORKING SYSTEM IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
3. THE CONTROLS ILLUSTRATED ARE DIAGRAMMATIC AND INTENDED TO INDICATE A GENERAL SCOPE OF WORK. SHOP DRAWINGS SHALL INDICATE ALL WORK REQUIRED FOR A COMPLETE SYSTEM, INCLUDING FINAL SEQUENCE OF OPERATION.
4. ACCEPTABLE CONTROL MANUFACTURERS (NO OTHERS WILL BE CONSIDERED):
   A. ALERTON TO MATCH CAMPUS AS INSTALLED BY CERRIS
   B. CONTACT: JESSE JENSEN (775)826-8998
      CONTACT: EVAN FINE (775)813-3219

TEMPERATURE CONTROLS LEGEND

AVA	AUDIBLE/VISIBLE ALARM
AVS	AVERAGING SENSOR
AF	AIR FLOW MEASURING STATION
BI	BACNET INTERFACE
BAS	BUILDING AUTOMATION SYSTEM
BSP	BUILDING PRESSURE SENSOR
C	CONTACTOR
CH_4	METHANE SENSOR
CO	CARBON MONOXIDE SENSOR
CO_2	CARBON DIOXIDE SENSOR
CWS	CONDENSER OR COOLING WATER SUPPLY
CWR	CONDENSER OR COOLING WATER RETURN
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
CS	CURRENT SENSOR
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROLS
DP	DIFFERENTIAL PRESSURE SENSOR
DS	DISCONNECT
EA	EXHAUST AIR
EGV	EMERGENCY GAS VALVE
ESS	EMERGENCY SHUTDOWN SWITCH
FM	FLOW METER
FZ	FREEZE SENSOR
HHL	HUMIDITY HIGH LIMIT
HPS	HIGH PRESSURE SWITCH
HS	HEATING WATER SUPPLY
HR	HEATING WATER RETURN
LWCO	LOW WATER CUT-OFF
M	MODULATING CONTROL VALVE OR DAMPER ACTUATOR
2P	2-POSITION CONTROL VALVE OR DAMPER ACTUATOR
MS	MOTOR STARTER
NC	NORMALLY CLOSED SPRING RETURN ACTUATOR
NO	NORMALLY OPEN SPRING RETURN ACTUATOR
OA	OUTSIDE AIR
OSP	OUTDOOR STATIC PRESSURE SENSOR
PS	PRESSURE SENSOR
PSA	PRESSURE SENSOR - AIR
R	RELAY
RA	RETURN AIR
RH	RELATIVE HUMIDITY SENSOR
RLS	REFRIGERANT LEAK SENSOR
SA	SUPPLY AIR
SW	SWITCH
SH	SUMP HEATER
T	TEMPERATURE
TCP	TEMPERATURE CONTROL PANEL
TW	TEMPERED WATER
TSR	TEMPERATURE SENSOR - ROOM
TS	PENCIL TYPE TEMPERATURE SENSOR - AIR
TSA	AVERAGING TYPE TEMPERATURE SENSOR - AIR
TSW	TEMPERATURE SENSOR - WATER
TX	TRANSFORMER
UNO	UNLESS NOTED OTHERWISE
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
(M)	FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR
(E)	FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR
------	POWER WIRING AND CONDUIT BY ELECTRICAL CONTRACTOR
- - - -	CONTROL WIRING AND CONDUIT BY TEMPERATURE CONTROL CONTRACTOR

ELECTRICAL COORDINATION

MECHANICAL/TEMPERATURE CONTROL CONTRACTORS SHALL COORDINATE ALL ELECTRICAL POWER REQUIREMENTS GREATER THAN 24 VOLTS WITH THE ELECTRICAL CONTRACTOR.

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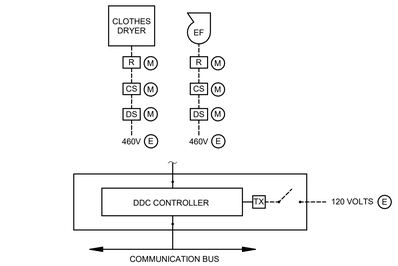
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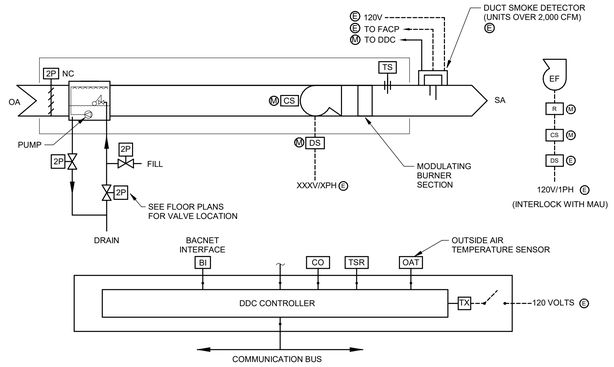


NOTE:
THE EXHAUST FAN SHALL BE ENABLED WHENEVER THE CLOTHES DRYER IS OPERATING (AS DETERMINED BY THE CURRENT SENSOR ON THE CLOTHES DRYER POWER WIRING).

CLOTHES DRYER EXHAUST FAN

1 M7.2

SCALE: NONE

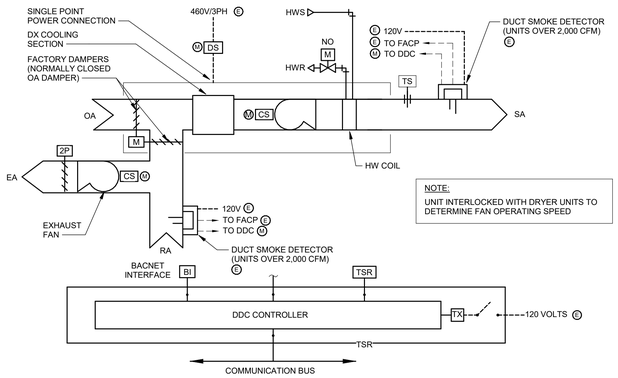


NOTE:
DUCT SMOKE DETECTORS SHALL BE INSTALLED IN BOTH THE SUPPLY AIR AND RETURN AIR OF ALL EQUIPMENT OVER 2,000 CFM (FURNISHED BY DIVISION 26, INSTALLED AND WIRED BY DIVISION 23).

MAKE-UP AIR UNIT WITH EVAPORATIVE COOLING

2 M7.2

SCALE: NONE



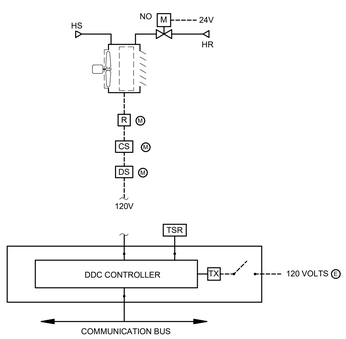
NOTE:
UNIT INTERLOCKED WITH DRYER UNITS TO DETERMINE FAN OPERATING SPEED

NOTE:
DUCT SMOKE DETECTORS SHALL BE INSTALLED IN BOTH THE SUPPLY AIR AND RETURN AIR OF ALL EQUIPMENT OVER 2,000 CFM (FURNISHED BY DIVISION 26, INSTALLED AND WIRED BY DIVISION 23).

PACKAGED DX COOLING WITH HYDRONIC HEATING ROOFTOP UNIT

3 M7.2

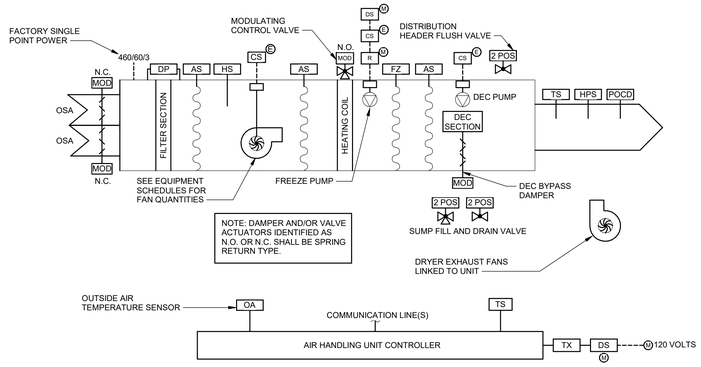
SCALE: NONE



HYDRONIC UNIT HEATER

4 M7.2

SCALE: NONE



NOTE: DAMPER AND/OR VALVE ACTUATORS IDENTIFIED AS N.O. OR N.C. SHALL BE SPRING RETURN TYPE.

MAKE-UP AIR UNIT WITH EVAPORATIVE COOLING AND HOT WATER

5 M7.2

SCALE: NONE

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PLUMBING EQUIPMENT SCHEDULE

EMV 1	ELECTRONIC MIXING VALVE LEONARD NUCLEUS MODEL PNV-300-LF-LCV DIGITAL MIXING VALVE WITH 3" INLET AND 3" OUTLET, 0 GPM MINIMUM FLOW CAPACITY (W/ MIN 10 GPM RECIRC.) 135 GPM MAXIMUM FLOW AT 10 PSI PRESSURE DROP. FURNISH WITH 6 FT LONG, 120V POWER CORD, AND BACNET INTERFACE CAPABILITY.
CP 3	CIRCULATION PUMP TACO MODEL 1915-ECM-SF STAINLESS STEEL CIRCULATING PUMP, 10 GPM AT 45 FT TDH, PUMP SHALL BE EQUIPPED WITH A 0.60 HP MOTOR, 120V, 425 WATTS, PUMP TO RUN CONTINUOUSLY. FURNISH WITH STAINLESS STEEL FREEDOM FLANGES
ET 1	EXPANSION TANK WATTS MODEL DETA-125 ASME TANK WITH FIXED BUTYL BLADDER TYPE PRE-CHARGED DOMESTIC HOT WATER EXPANSION TANK, NSF RATED, 60.0 GALLON TANK VOLUME, 40 GALLON ACCEPTANCE VOLUME. 150 PSI MAX OPERATING PRESSURE. 1" CONNECTION. APPROXIMATE OPERATING WEIGHT: 150 LBS
ETP 1	ELECTRONIC TRAP PRIMER PPP, INC. MODEL PTS-8 "PRIME TIME" ELECTRONIC TRAP PRIMER ASSEMBLY WITH NEMA 1 BOX, ANTI SIPHON ATMOSPHERIC VACUUM BREAKER BACKFLOW, PRE-SET 24-HOUR ADJUSTABLE TIMER TO PROVIDE MINIMUM OF 2 OZ. OF WATER AT FACTORY SETTINGS OF 6 SECONDS, MANUAL OVERRIDE SWITCH AND TEST BUTTON, SOLENOID VALVE, 3/4" CW INLET CONNECTION. 120V REQUIRED, 2 AMPS. FURNISH WITH 4 1/2" COMPRESSION OUTLET CALIBRATED MANIFOLD FOR THE REQUIRED CONNECTIONS AND HINGED, POWDER COATED ACCESS DOOR.
ST 1 ST 2	STORAGE TANK LOCHINVAR MODEL #RCA0504 "LOCK-TEMP" CEMENT LINED VERTICAL ROUND JACKETED ASME STORAGE TANK. FURNISH WITH ADDITIONAL FACTORY 3" FLANGE FOR COLD WATER CONNECTION, TEMPERATURE GAUGES, PRESSURE GAUGES, AND LIFTING LUGS. 125 PSI WORKING PRESSURE, 504 GALLON CAPACITY, OPERATING WEIGHT = 5,600 LBS.
WS 1	WATER SOFTENER CULLIGAN #CSM 900/3CD SIDE MOUNT WATER SOFTENER WITH ALTERNATING TWIN CAPABILITY AND ASME STEEL TANKS FOR CENTRAL CAMPUS SERVICE. 3" FEEDLINE, 51,000 GPD, 192 GPM PEAK FLOW, (1)120V OUTLET EACH SYSTEM (2 TOTAL). EACH OUTLET SHALL BE LOCATED WITHIN 5' OF CONTROLLER. UNIT SHALL PROVIDE CONTINUOUS 24 HOUR SERVICE AND METERED REGENERATION BASED ON 15 GRAINS HARDNESS. FURNISH WITH 3" STAINLESS STEEL METER, DUPLEX ALTERNATING KIT, BRINE SYSTEM, BRINE RECLAIM KIT, AND AQUA SENSOR KIT. OPERATING WEIGHT = 17,500 LBS.

PLUMBING HEAT TRACE SCHEDULE

SYMBOL	SYSTEM SERVED	MANUFACTURER AND MODEL NO.	PIPING LENGTH (FEET)	HEAT TRACE LENGTH (FEET)	VOLTAGE/ PHASE	FLA	MOCP
EHT 1	GREASE WASTE	RAYCHEM 12XLE2-CT (110°F)					

ACCESSORIES:
1. DISCONNECT BY DIVISION 26
2. FACTORY CONTROLLER WITH BACNET INTERFACE
3. FACTORY OUTSIDE AIR TEMPERATURE SENSOR

NOTES:
1. LENGTH OF HEAT TRACING IS ESTIMATED TO ALLOW FOR DETERMINATION OF THE ASSOCIATED ELECTRICAL POWER LOAD.
2. SEE SPECIFICATION SECTION 22 23 00 (HEAT TRACING FOR PLUMBING PIPING)
3. HEAT TRACE LENGTH INCLUDES 25% LENGTH SAFETY FACTOR.
4. APPLY AT 1 FT/LF.

PLUMBING FIXTURE SCHEDULE

WC-1	WATER CLOSET AMERICAN STANDARD AFWALL MODEL 2257.101 WALL MOUNTED ADA HEIGHT VITREOUS CHINA TOILET WITH ELONGATED BOWL. FURNISH WITH SLOAN ROYAL 111-1.28 FLUSH VALVE AND BEMIS MODEL 1955SSCT TOILET SEAT. PROVIDE TRAP PRIMER CONNECTION WHERE INDICATED ON THE DRAWINGS.
WC-2	WATER CLOSET ACORN PENAL-WARE MODEL 1685 FLOOR MOUNTED BLOWOUT JET TOILET, ADA HEIGHT, LIGATURE RESISTANT, 14 GAUGE TYPE 304 STAINLESS STEEL WITH ELONGATED BOWL. FURNISH WITH TOP SUPPLY, DURA-WARE MODEL 2802 FLUSH VALVE COVER WITH SLOPING TOP, AND HYDRUALIC FLUSH VALVE.
UR-1	URINAL ACORN PENAL-WARE MODEL 1709HEU WALL MOUNTED, ADA HEIGHT, LIGATURE RESTISTANT, 16 GAUGE TYPE 304 STAINLESS STEEL URINAL.FURNISH WITH TOP SUPPLY, DURA-WARE MODEL 2802 FLUSH VALVE COVER WITH SLOPING TOP, AND HYDRUALIC FLUSH VALVE.
L-1	LAVATORY AMERICAN STANDARD LUCERNE MODEL 0355.012 WALL HUNG VITREOUS CHINA LAVATORY. FURNISH WITH CHICAGO MODEL 420-E2805ABCP FAUCET AND GRID DRAIN. FURNISH WITH LEONARD MODEL 270-F THERMOSTATIC MIXING VALVE (ASSE 1070 CERTIFIED), BRASSCRAFT STOPS AND RISERS. INSULATE HOT AND COLD WATER PIPING AND WASTE PIPING BELOW FIXTURE WITH TRUE-BRO LAV GUARD PROTECTIVE MOLDED CLOSED CELL VINYL PIPE COVERS, WITH VANDAL RESISTANT SNAP-CLIP FASTENERS.
L-2	LAVATORY ACORN SECUR-CARE MODEL LR1653FA WALL HUNG, LIGATURE RESISTANT, 14 GAUGE TYPE 304 STAINLESS STEEL FRONT ACCESS LAVATORY. FURNISH WITH "03-M" PNEUMATIC, METERING, SINGLE TEMP VALVE SET TO 110 DEGREES. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
S-1	SINK
FD-1	FLOOR DRAIN ZURN MODEL Z550 WITH 'DURA-COATED' CAST IRON BODY, NICKEL BRONZE TOP, MEMBRANE CLAMP AND FRAME, 'DURESIST" HEEL-PROOF GRATE, SEDIMENT BUCKET, AND 1/2" TRAP PRIMER CONNECTION.
FD-2	FLOOR DRAIN ZURN MODEL Z415B WITH 'DURA-COATED' CAST IRON BODY, MEMBRANE CLAMP, ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, NICKEL BRONZE HEEL-PROOF GRATE, AND 1/2" TRAP PRIMER CONNECTION.
FD-3	FLOOR DRAIN ZURN MODEL Z415B WITH 'DURA-COATED' CAST IRON BODY, MEMBRANE CLAMP, ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, AND NICKEL BRONZE HEEL-PROOF GRATE. CAST TRAP WITH IAPMO & ASSE RATED TRAP GUARD.
FD-4	FLOOR DRAIN
FS-1	FLOOR SINK ZURN MODEL Z1901-K-23-2-P (12"x12"x8" DEEP) WITH ENAMEL-COATED CAST IRON BODY, ANCHOR FLANGE WITH SEEPAGE HOLES, SEDIMENT BUCKET, AND NICKEL BRONZE HALF GRATE.
FS-2	FLOOR SINK ZURN MODEL ZN566-Y-2-P (12"x12"x9" DEEP) WITH 'DURA-COATED' CAST IRON BODY, SEDIMENT BUCKET, AND NICKEL BRONZE HALF GRATE. CAST TRAP WITH IAPMO & ASSE RATED TRAP GUARD.
RD-1/ ORD-1	ROOF DRAIN ZURN MODEL Z164 12" DIAMETER COMBINATION DRAIN AND OVERFLOW WITH CAST DOME STRAINER. SIZE AS SHOWN ON DRAWINGS.
DS-1	DOWNSPOUT NOZZLE ZURN MODEL Z199DC NICKEL BRONZE BODY AND FLANGE.
WHA-"X"	WATER HAMMER ARRESTOR SIOUX CHIEF HYDRA-RESTER PISTON STYLE WATER HAMMER ARRESTOR, 650 SERIES, TYPE L COPPER TUBE, POLY PISTON WITH TWO EPSM O-RINGS, COPPER MIP THREAD, PDI SIZING AS SHOWN ON DRAWINGS.
SGV-1	SEISMIC GAS VALVE PACIFIC SEISMIC PRODUCTS MODEL 316 CALIFORNIA SEISMIC VALVE WITH MONITORING SWITCH, ASCE 25-97 LISTED.
SS-1	SERVICE SINK AMERICAN STANDARD MODEL 7745.811 CORNER SERVICE SINK 28"x28" ENAMELED CAST IRON WITH CHROME FLAT STRAINER AND RIM GUARDS. FURNISH WITH CHICAGO MODEL 897-CP FAUCET WITH VACUUM BREAKER AND WALL SUPPORT.
RH-1	ROOF HYDRANT WOODFORD MODEL SRH-MS FREEZELESS ROOF HYDRANT WITH VACUUM BREAKER AND 3/4" THREADED HOSE CONNECTION.

DOMESTIC HOT WATER PLATE HEAT EXCHANGER SCHEDULE

SYMBOL	SYSTEM SERVED	MANUFACTURER AND MODEL NO.	WARM SIDE				COLD SIDE				MBH	HEAT TRANSFER SURFACE AREA (SQ FT)	OPERATING WEIGHT (LBS)
			FLOW RATE (GPM)	EWT (°F)	LWT (°F)	WPD (PSI)	FLOW RATE (GPM)	EWT (°F)	LWT (°F)	WPD (PSI)			
HX 1	DOMESTIC HW	DANFOSS ADW14A-IG150-35-TKTM53	102	180	140	4.6	40	40	140	0.9	1,990	54.7	450
HX 2	DOMESTIC HW	DANFOSS ADW14A-IG150-35-TKTM53	102	180	140	4.6	40	40	140	0.9	1,990	54.7	450

NOTES:
1. UNIT(S) SHALL BE TO ASME CODE WITH A DESIGN PRESSURE = 150 PSI AND A DESIGN TEMPERATURE = 150°F.
2. PLATES SHALL BE AISI316L STAINLESS STEEL.
3. GASKETS SHALL BE NBRH FDA RATED UP TO 302°F.
4. PROVIDE INTEGRAL PORT STRAINERS FOR BOTH THE WARM AND COLD SIDE INLETS.
5. NSF61 RATED COMPONETS

PUMP SCHEDULE

SYMBOL	SYSTEM SERVED	DUTY	MANUFACTURER AND MODEL NO.	TYPE	GPM	TDH (FT)	PUMP SIZE (IN)	RPM	EFFICIENCY (%)	HP	FLA	VOLTAGE/ PHASE	OPERATING WEIGHT (LBS)	ACCESSORIES/ NOTES
CP 1	DOMESTIC HOT WATER CIRCULATOR		TACO SKV1506D	SELF SENSING VERTICAL IN-LINE	40	20	1-1/2 X 1-1/2 X 6.25	1760	63	1.5	1.5	208V/3	196	ACCESSORIES X, X NOTES X, X
CP 2	DOMESTIC HOT WATER CIRCULATOR		TACO SKV1506D	SELF SENSING VERTICAL IN-LINE	40	20	1-1/2 X 1-1/2 X 6.25	1760	63	1.5	1.5	208V/3	196	ACCESSORIES X, X NOTES X, X

ACCESSORIES:
1. PUMPS WITHOUT VFD, DISCONNECT BY DIVISION 26
2. PUMPS WITH VFD, INCLUDE AN INTEGRAL DISCONNECT ON THE VFD
3. SUCTION DIFFUSER
4. SHAFT GROUNDING AT ALL MOTORS SERVED BY A VFD

NOTES:
1. ALL MOTORS 1 HP AND HIGHER SHALL BE PREMIUM EFFICIENCY AND INVERTER RATED.
2. BASE MOUNTED PUMPS SHALL BE LASER ALIGNED AND GROUTED (SEE SPECIFICATIONS).
3. PROVIDE INTEGRAL VFD (SELF-SENSING PUMPS ONLY).

MAXIMUM FIXTURE UNIT LOADING FOR WATER PIPE

NOMINAL PIPE SIZE (INCHES)	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
FIXTURE UNITS (WITHOUT FLUSH VALVES)	4	10	20	36	115	294	559	1583	4480
FIXTURE UNITS (WITH ONE OR MORE FLUSH VALVES)	0	0	0	6	42	168	460	1583	4480

NOTES
1. USE ABOVE DATA ONLY WHEN PIPE SIZES ARE NOT OTHERWISE NOTED ON THE DRAWINGS.
2. FIXTURE UNITS ARE AS LISTED FOR PUBLIC USE IN THE UNIFORM PLUMBING CODE.

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE	SYMBOL	WASTE		VENT	COLD WATER		HOT WATER	
		BRANCH	OUTLET		BRANCH	OUTLET	BRANCH	OUTLET
WATER CLOSET (FV.)	WC	4"	4"	2"	1 1/4"	1"	-	-
URINAL	UR	2"	2"	1 1/2"	1"	3/4"	-	-
LAVATORY	L	2"	1 1/2"	1 1/2"	3/4"	1/2"	3/4"	1/2"
MOP SINK	MS	3"	3"	2"	3/4"	1/2"	3/4"	1/2"
FLOOR SINK	FS	2"	2"	1 1/2"	-	-	-	-
SINK	S	2"	1 1/2"	1 1/2"	3/4"	1/2"	3/4"	1/2"
FLOOR DRAIN	FD	2"	2"	1 1/2"	-	-	-	-
HOSE BIBB	HB	-	-	-	3/4"	3/4"	-	-
WASHER BOX	WB	2"	2"	1 1/2"	3/4"	1/2"	3/4"	1/2"
DISH WASHER	DW	2"	1 1/2"	1 1/2"	3/4"	1/2"	3/4"	1/2"
SHOWER	SHO	2"	1 1/2"	1 1/2"	3/4"	1/2"	3/4"	1/2"

NOTES 1. WATER BRANCH LINES WHERE LESS THAN 10'-0" LONG MAY BE SAME SIZE AS OUTLETS SCHEDULED ABOVE.

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE IBC, UMC, UPC, NEC, NFPA, NEVADA STATE FIRE MARSHAL REGULATIONS, LOCAL AND STATE ORDINANCES, AND INDUSTRY STANDARDS.
2. THE INFORMATION REGARDING EXISTING CONDITIONS SHOWN ON THE DRAWINGS IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL RELY ON SITE VISITS AND NECESSARY INVESTIGATION TO ENSURE THAT HIS BID IS CORRECT AND COMPLETE AS REQUIRED TO PROVIDE THE SCOPE OF WORK DESCRIBED ON THE DRAWINGS. EXTRA COST WILL NOT BE ALLOWED TO THE CONTRACTOR FOR FAILURE TO PERFORM THIS TASK.
3. SUBMIT FOR REVIEW AND APPROVAL ELECTRONIC COPIES OF SUBMITTALS FOR ALL EQUIPMENT, PLUMBING FIXTURES, INSULATION, VALVES, AND PIPING MATERIALS.
4. AS-BUILT DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL UPON COMPLETION OF THE WORK, AND PRIOR TO FINAL PAYMENT. AS-BUILT DRAWINGS SHALL BE MAINTAINED ON SITE AS THE WORK PROGRESSES AND SHALL BE AVAILABLE FOR REVIEW BY THE OWNER AND/OR ARCHITECT/ENGINEER AT ALL TIMES.
5. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
6. COORDINATE THE EXACT LOCATION OF EQUIPMENT AND OF PENETRATIONS THROUGH THE ROOF, FLOORS, AND WALLS WITH STRUCTURAL DRAWINGS PRIOR TO ANY ROUGH-IN.
7. COORDINATE THE INSTALLED LOCATION OF VENTS THROUGH THE ROOF WITH ALL OUTSIDE AIR INTAKES.
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE FULL EXTENT OF DEMOLITION AND NEW WORK TO BE PERFORMED.
9. PIPING SHALL BE INSTALLED SUCH THAT IT DOES NOT OBSTRUCT ACCESS OR REMOVAL OF MECHANICAL OR PLUMBING EQUIPMENT.
10. PIPING SHALL NOT BE ROUTED IN THE DEDICATED ELECTRICAL SPACE AT OR ABOVE ELECTRICAL SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS, ETC. (AS PROHIBITED BY 2023 NATIONAL ELECTRICAL CODE SECTION 110.26). THIS ISSUE IS PARTICULARLY APPLICABLE IN CHILLER ROOMS, BOILER ROOMS, ELECTRICAL ROOMS, AND DATA/SERVER ROOMS.
11. DASHED OUTLINES DENOTE THE REQUIRED SERVICE CLEARANCE SPACE (SEE DUCTWORK PLANS). NO PIPING, DUCTWORK, CONDUIT, AND/OR CEILING HANGERS SHALL BE INSTALLED IN THE DESIGNATED SERVICE/ACCESS CLEARANCE AREA.
12. SEE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS FOR HOLE CORING REQUIREMENTS.
13. COORDINATE THE ROUTING OF PLUMBING PIPING WITH HVAC, FIRE SPRINKLER, AND ELECTRICAL TRADES PRIOR TO BEGINNING WORK.
14. ALL EQUIPMENT, PIPING, ETC. SHALL BE SUPPORTED AS REQUIRED TO PROVIDE A VIBRATION-FREE INSTALLATION.
15. ALL ROOF PENETRATIONS SHALL BE FLASHED AND COUNTER-FLASHED WATERTIGHT.
16. TESTING AND BALANCING SHALL BE CONDUCTED BY AN AABC CERTIFIED TEST AND BALANCE CONTRACTOR.
17. PIPE ROUTING SHALL BE COORDINATED WITH ALL TRADES AND EXISTING CONDITIONS PRIOR TO COMMENCING WORK. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AS REQUIRED.
18. DO NOT FABRICATE PIPING FROM THE DRAWINGS. SPACE ALLOCATION SHALL BE DETERMINED IN THE FIELD AND COORDINATED WITH OTHER TRADES PRIOR TO FABRICATION.
19. VERIFY THE EXACT LOCATION, INVERT ELEVATION, SIZE, AND POINT OF CONNECTION OF ALL NEW AND EXISTING UTILITIES PRIOR TO ROUGH-IN OF ANY PLUMBING PIPING.
20. COORDINATE THE ROUTING OF PLUMBING PIPING WITH EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
21. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES AS REQUIRED TO COMPLY WITH ADA REQUIREMENTS.
22. INSTALL A SEALED RIGID CAP ON ALL ABANDONED WATER, WASTE, AND VENT PIPING.
23. PROVIDE ALL PLUMBING FIXTURES AND EQUIPMENT WITH ACCESSIBLE STOPS.
24. SLOPE ALL SEWER AND WASTE PIPING AT A MINIMUM OF 1/4" PER FOOT.
25. SLOPE ALL RAINWATER PIPING AT A MINIMUM OF 1/4" PER FOOT
26. SLOPE ALL CONDENSATE DRAIN PIPING AT 1/8" PER FOOT.
27. ADA WATER CLOSETS SHALL HAVE THE WATER ROUGH-IN LOCATED TO RESULT IN THE FLUSH HANDLE FACING THE WIDE SIDE OF THE STALL.
28. IN ADDITION TO THOSE SHOWN ON THE DRAWINGS, PROVIDE CLEANOUTS FOR ALL SINKS, URINALS, & LAVATORIES.
29. PROVIDE A CLEANOUT AND ACCESS PANEL ON EVERY ROOF DRAIN LEADER BEFORE TRANSITIONING BELOW GRADE.
30. INSTALL FLOOR SINKS TO BE ACCESSIBLE FOR CLEANING AND INSPECTION.

GAS PRESSURE REGULATOR SCHEDULE

SYMBOL	EQUIPMENT	CFH	PRESSURE	2 PSI PIPE SIZE (INLET SIDE)	10" WC PIPE SIZE (OUTLET SIDE)	LOCATION
GPR 1		1,000	2.0 PSI TO 10" WC	XX	XX	OUTDOORS
		600	2.0 PSI TO 10" WC	XX	XX	OUTDOORS
		200	2.0 PSI TO 10" WC	XX	XX	OUTDOORS
		100	2.0 PSI TO 10" WC	XX	XX	OUTDOORS
		500	2.0 PSI TO 10" WC	XX	XX	OUTDOORS
		1,500	2.0 PSI TO 10" WC	XX	XX	INDOORS

NOTES:
1. 7" WC OUTLET PIPE SIZES SHALL BE TWO PIPE SIZES LARGER THAN THE 2 PSI LET PIPE SIZE (INTENDED TO ENSURE ADEQUATE GAS VOLUME DOWNSTREAM OF THE GAS PRESSURE REGULATOR)
2. VENT ALL REGULATORS LOCATED INDOORS TO THE OUTDOORS.
3. GAS PRESSURE REGULATORS WITH INLET PRESSURES 3 PSI AND ABOVE SHALL INCLUDE AN OVERPRESSURE DEVICE (OPD).

PLUMBING LEGEND

NOTE: NOT ALL OF THE LISTED ITEMS ARE NECESSARILY USED ON THIS PROJECT.

	SOIL OR WASTE LINE BELOW GRADE
	SOIL OR WASTE LINE ABOVE GRADE
IW	INDIRECT WASTE LINE
AW	ACID WASTE LINE
GW	GREASE WASTE LINE
	VENT LINE
RWL	RAINWATER LEADER LINE
ORWL	OVERFLOW RAINWATER LEADER LINE
D	DRAIN LINE
	COLD WATER LINE
	HOT WATER LINE
	HOT WATER RETURN LINE
G	NATURAL GAS LINE
CA	COMPRESSED AIR
LV	LAB VACUUM
LA	LAB AIR
O	MEDICAL OXYGEN
MV	MEDICAL VACUUM
MA	MEDICAL AIR
WAGD	WASTE ANESTHESIA GAS DISPOSAL
N	NITROGEN
N2O	NITROUS OXIDE
IA	MEDICAL INSTRUMENT AIR
F	FIRE PIPE
GV	GATE VALVE
BLV	BALL VALVE
BV	BALANCE VALVE
CKV	CHECK VALVE
	GAS VALVE WITH HANDLE
	PRESSURE REDUCING VALVE
	THERMOMETER
	PIPE POD/POC
	UNION
	FLEXIBLE CONNECTION
T & P	TEMPERATURE AND PRESSURE RELIEF LINE
	EXISTING ITEM TO BE REMOVED

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
CI	CAST IRON
CO, WCO	CLEANOUT, WALL CLEANOUT
COTF	CLEANOUT TO FLOOR
COTG	CLEANOUT TO GRADE
CP	CHROMIUM PLATED
CW (D)(R)	COLD WATER (DROP) (RISER)
DD	DECK DRAIN
Ø	DIAMETER
(E), (N)	EXISTING, NEW
FA, TB	FROM ABOVE, TO BELOW
FB, TA	FROM BELOW, TO ABOVE
FD	FLOOR DRAIN
FU	FIXTURE UNITS
GPM	GALLONS PER MINUTE
HW (D)(R)	HOT WATER (DROP) (RISER)
IE	INVERT ELEVATION
NC	NORMALLY CLOSED
OC	ON CENTER
ORD	OVERFLOW ROOF DRAIN
ORWL	OVERFLOW RAINWATER LEADER
RIO	ROUGH IN ONLY
RD	ROOF DRAIN
RWL	RAINWATER LEADER
SS	STAINLESS STEEL
TYP	TYPICAL
UC	UNDER COUNTER
UF	UNDER FLOOR
UNO	UNLESS NOTED OTHERWISE
V, VR, VTR	VENT, VENT RISER, VENT THRU ROOF
W, WD	WASTE, WASTE DROP
--------	POWER WIRING AND CONDUIT
– – – – –	CONTROL WIRING AND CONDUIT

DRAWING SHEET INDEX

P0.1	PLUMBING SCHEDULES, LEGEND, NOTES, & INDEX
P1.2	PLUMBING SITE PLAN
P2.1	OVERALL PLUMBING FLOOR PLAN
P2.21	PARTIAL PLUMBING FLOOR PLAN - AREA A WASTE/VENT
P2.22	PARTIAL PLUMBING FLOOR PLAN - AREA A WATER/GAS
P2.31	PARTIAL PLUMBING FLOOR PLAN - AREA B WASTE/VENT
P2.32	PARTIAL PLUMBING FLOOR PLAN - AREA B WATER/GAS
P3.1	ENLARGED PLUMBING FLOOR PLANS
P4.1	OVERALL PLUMBING ROOF PLAN
P5.1	PLUMBING PIPING DIAGRAM FOR DHW
P6.1	PLUMBING DETAILS
P6.2	PLUMBING DETAILS

APPLICABLE CODES AND REGULATIONS

2024 INTERNATIONAL BUILDING CODE	NEVADA STATE FIRE MARSHAL REGULATIONS
2024 UNIFORM MECHANICAL CODE	NEVADA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS
2024 UNIFORM PLUMBING CODE	NFPA CODES AND STANDARDS
2023 NATIONAL ELECTRICAL CODE	ALL OTHER APPLICABLE STATE AND LOCAL CODES, RULES, AND REGULATIONS
2024 INTERNATIONAL ENERGY CONSERVATION CODE	

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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PROGRESS
NOT FOR CONSTRUCTION

Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

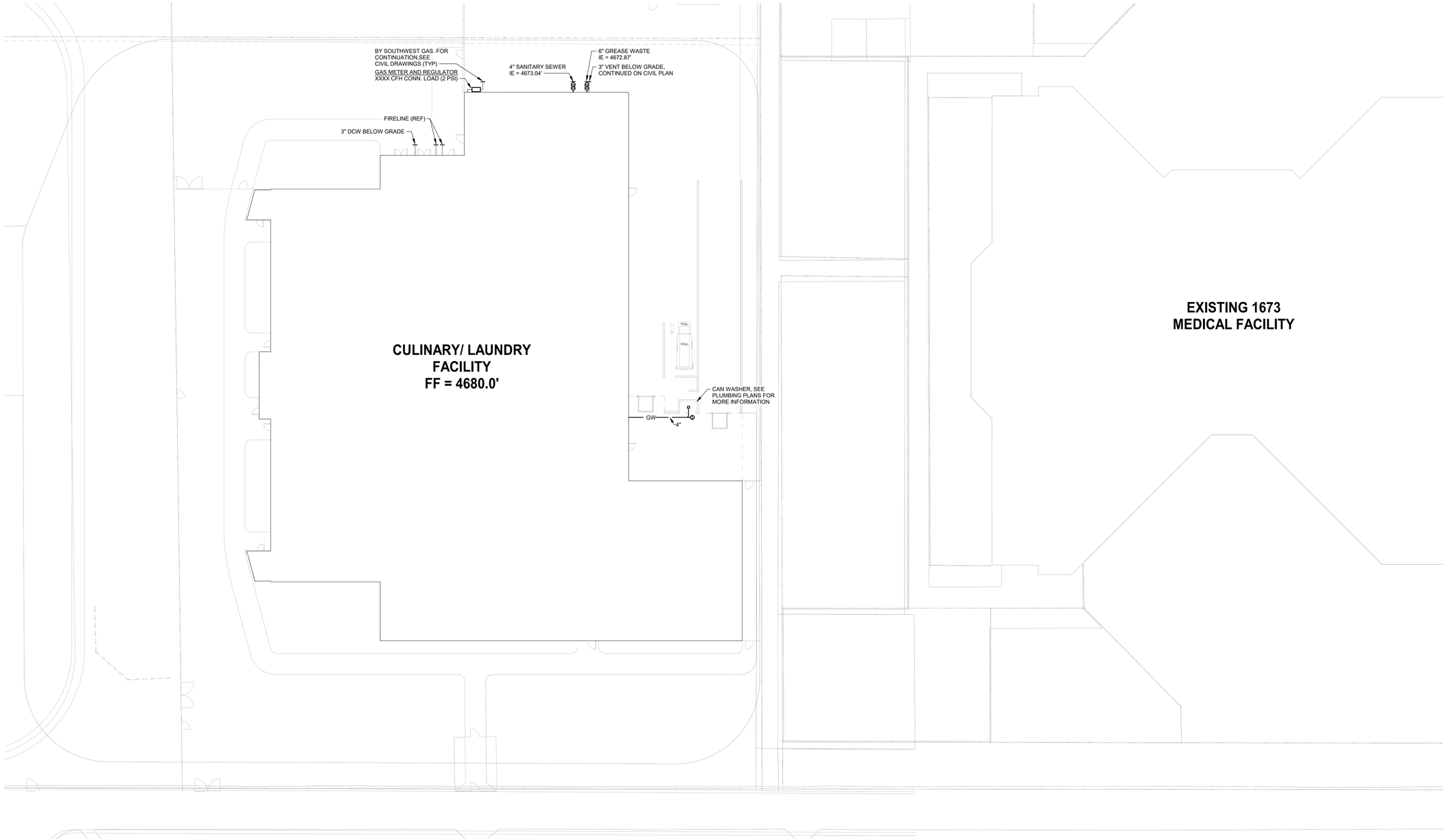
drawing title
PLUMBING SCHEDULES, LEGEND, NOTES, & INDEX

job number
25015

date
OCTOBER 26, 2026

drawing number
P0.1

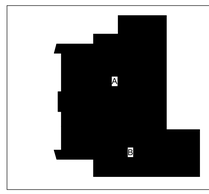
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PLUMBING SITE PLAN (1 / P1.2)
SCALE: 1" = 20'-0"

N

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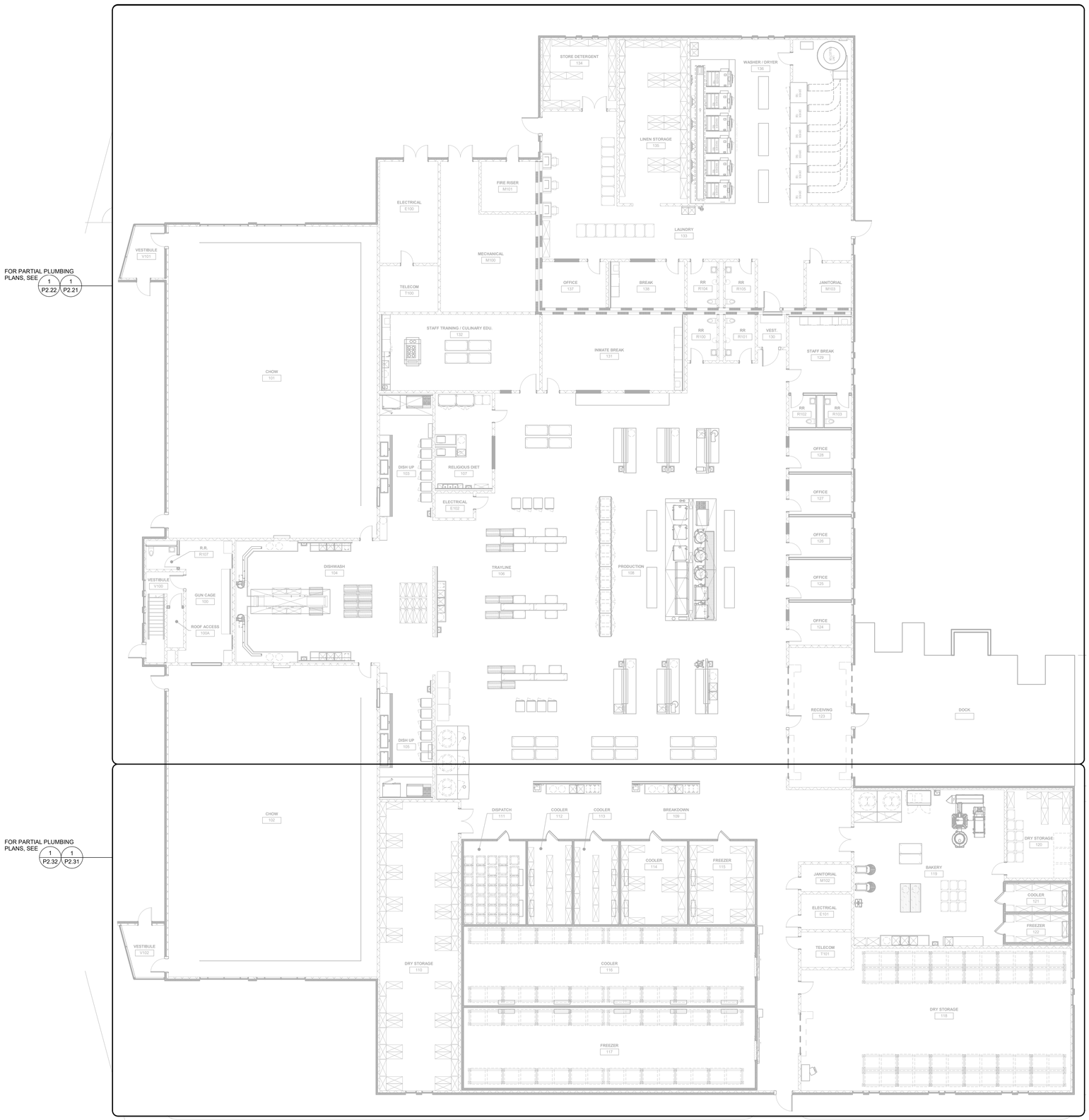
drawing title
PLUMBING SITE PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
P1.2

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FOR PARTIAL PLUMBING PLANS, SEE 1/P2.22

FOR PARTIAL PLUMBING PLANS, SEE 1/P2.32

FOR PARTIAL PLUMBING PLANS, SEE 1/P2.31

PLUMBING OVERALL FLOOR PLAN 1/P2.1

SCALE: 3/32" = 1'-0"

N

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DESIGN DEVELOPMENT

drawing title
OVERALL PLUMBING FLOOR PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
P2.1

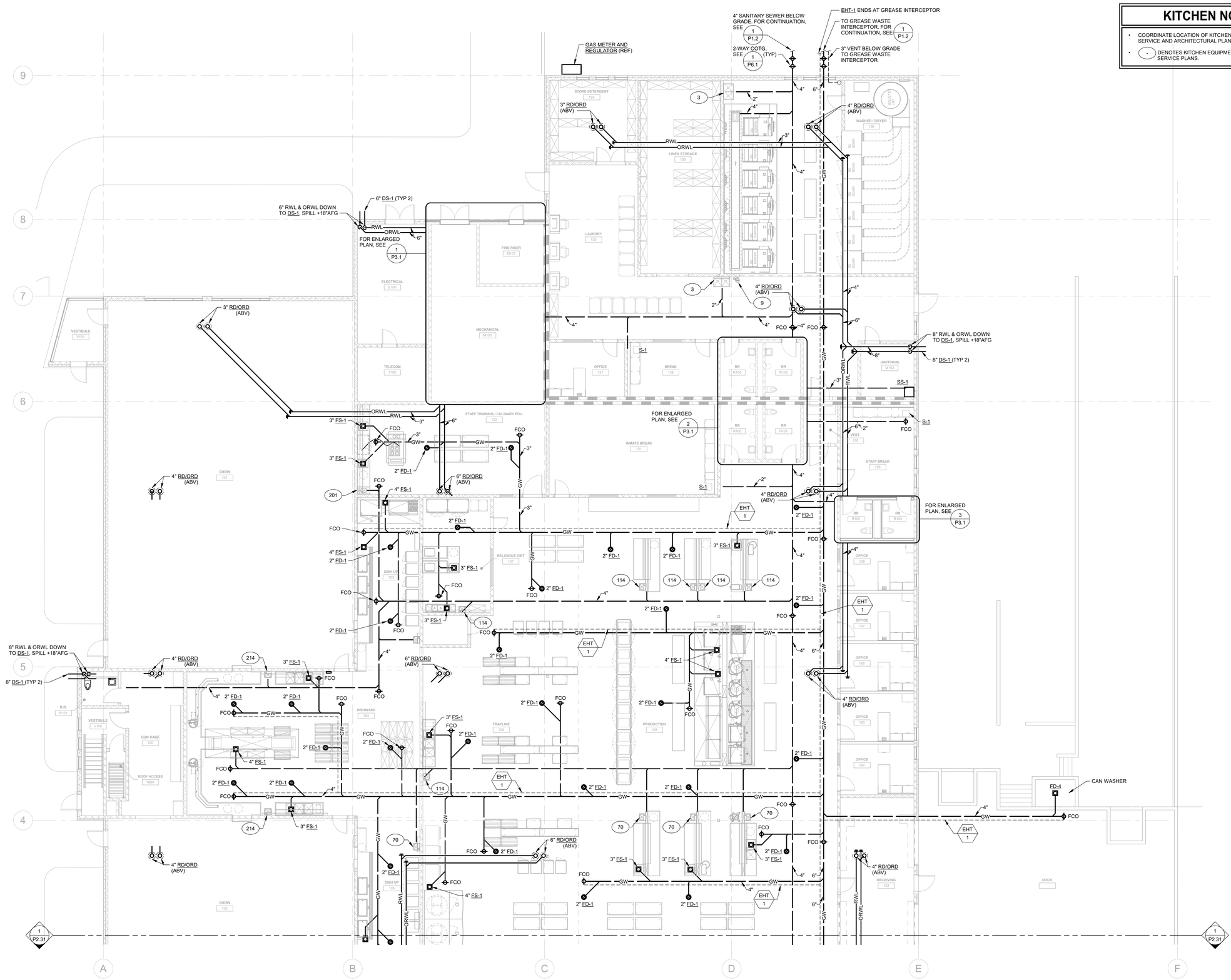
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KITCHEN NOTES

- COORDINATE LOCATION OF KITCHEN EQUIPMENT WITH FOOD SERVICE AND ARCHITECTURAL PLANS.
- (-) DENOTES KITCHEN EQUIPMENT NUMBER, SEE FOOD SERVICE PLANS.



PLUMBING PARTIAL FLOOR PLAN - AREA A WASTE/VENT

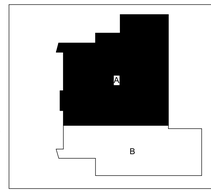
1 P2.21

SCALE: 1/8" = 1'-0"

N

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drawing title
PARTIAL PLUMBING FLOOR PLAN - AREA A WASTE/VENT

job number
25015

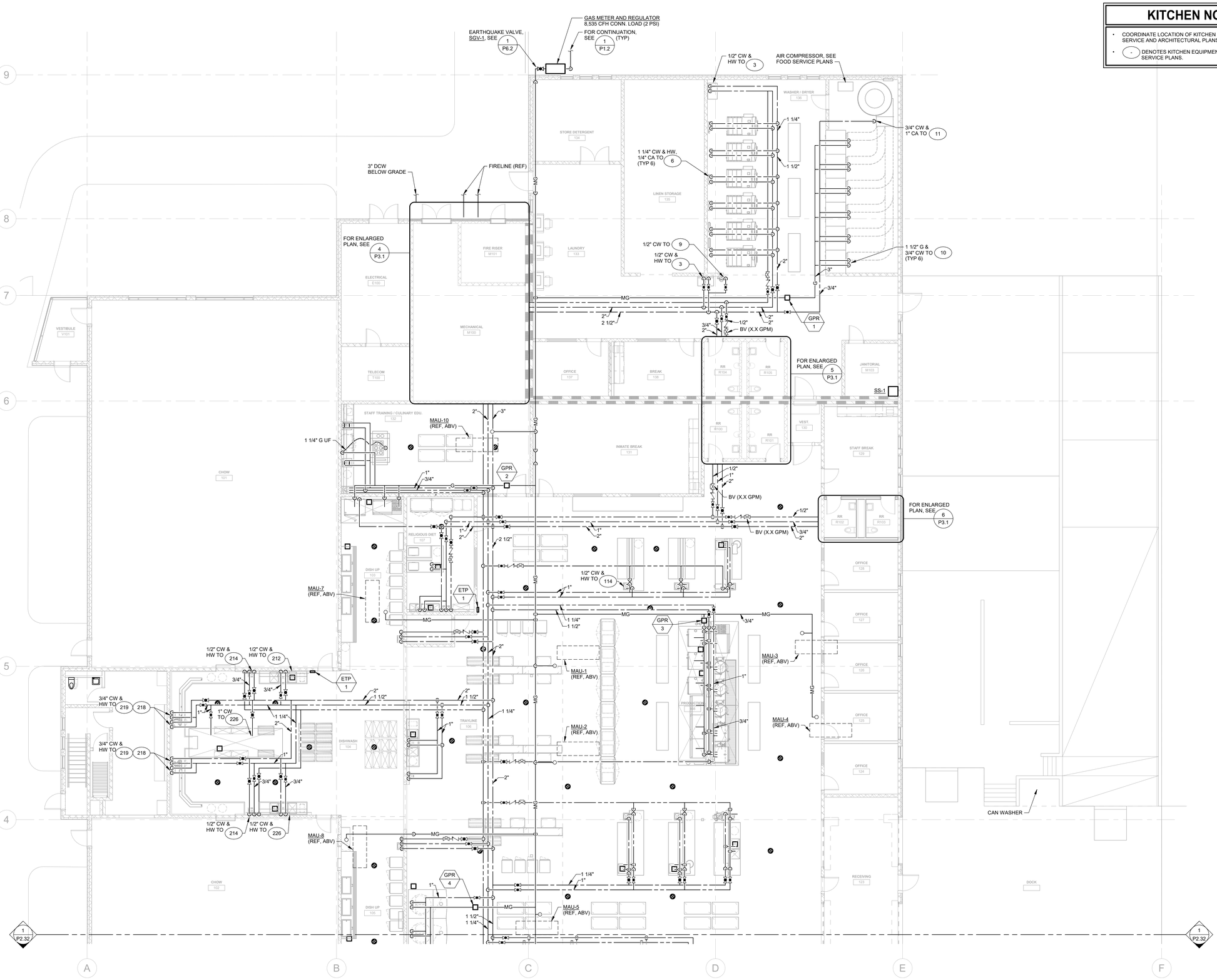
date
OCTOBER 26, 2026

drawing number
P2.21

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KITCHEN NOTES

- COORDINATE LOCATION OF KITCHEN EQUIPMENT WITH FOOD SERVICE AND ARCHITECTURAL PLANS.
- (-) DENOTES KITCHEN EQUIPMENT NUMBER, SEE FOOD SERVICE PLANS.

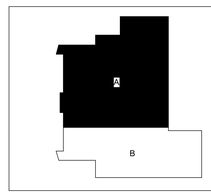


PLUMBING PARTIAL FLOOR PLAN - AREA A WATER/GAS (1 P2.22)

SCALE: 1/8" = 1'-0"

N

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DESIGN DEVELOPMENT

drawing title
PARTIAL PLUMBING FLOOR PLAN - AREA A WATER/GAS

job number
25015

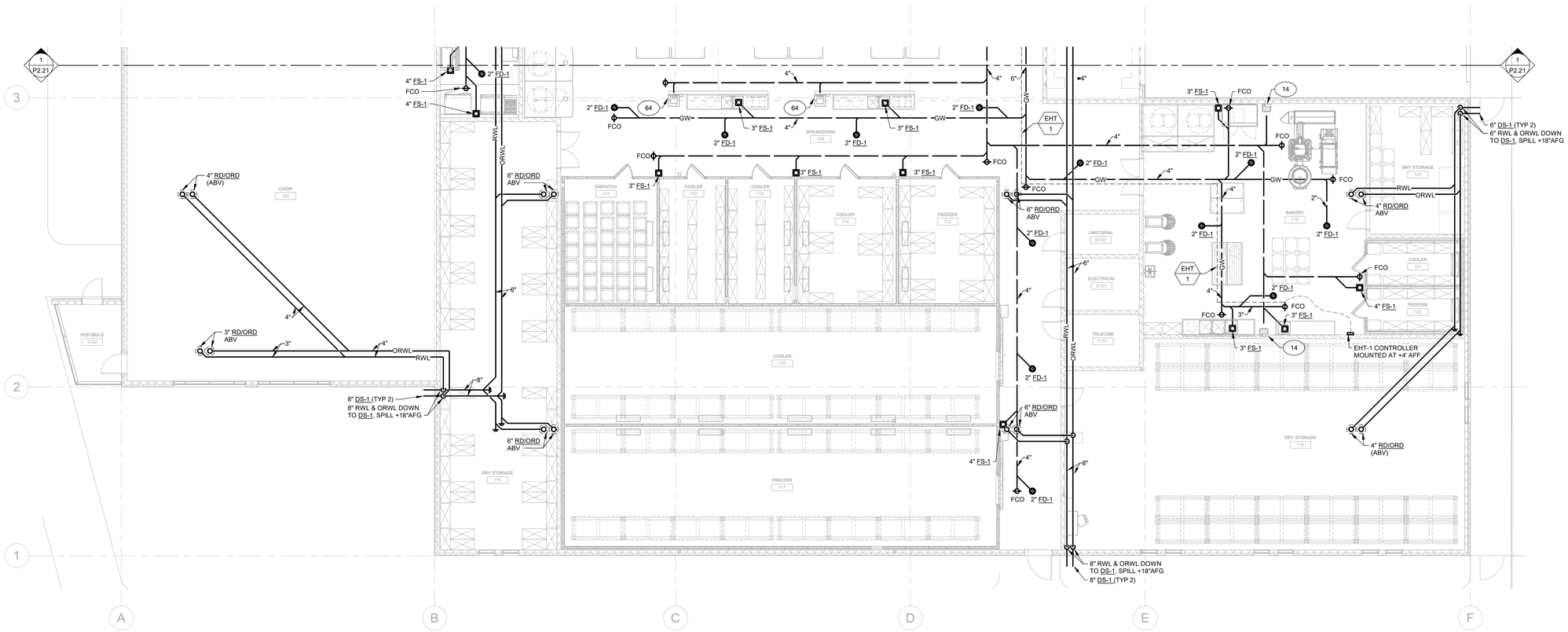
date
OCTOBER 26, 2026

drawing number
P2.22

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PLUMBING PARTIAL FLOOR PLAN - AREA B WASTE/VENT (1 / P2.31)

SCALE: 1/8" = 1'-0"

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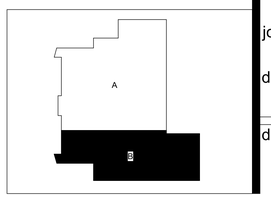
drawing title
PARTIAL PLUMBING FLOOR PLAN - AREA B WASTE/VENT

job number
25015

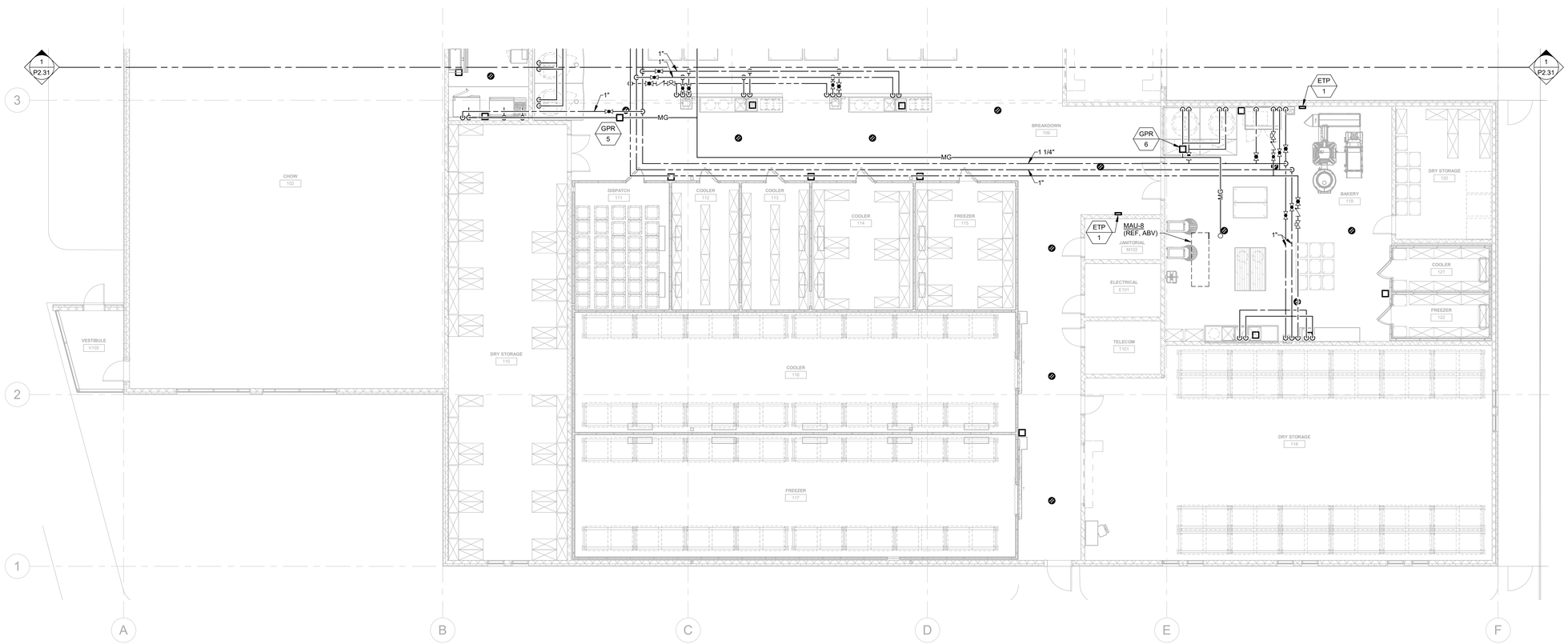
date
OCTOBER 26, 2026

drawing number
P2.31

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PLUMBING PARTIAL FLOOR PLAN - AREA B WATER/GAS (1 / P2.32)

SCALE: 1/8" = 1'-0"

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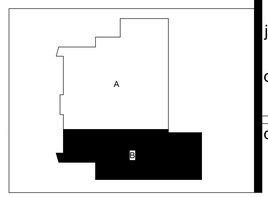
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PARTIAL PLUMBING FLOOR PLAN - AREA B WATER/GAS

job number
25015

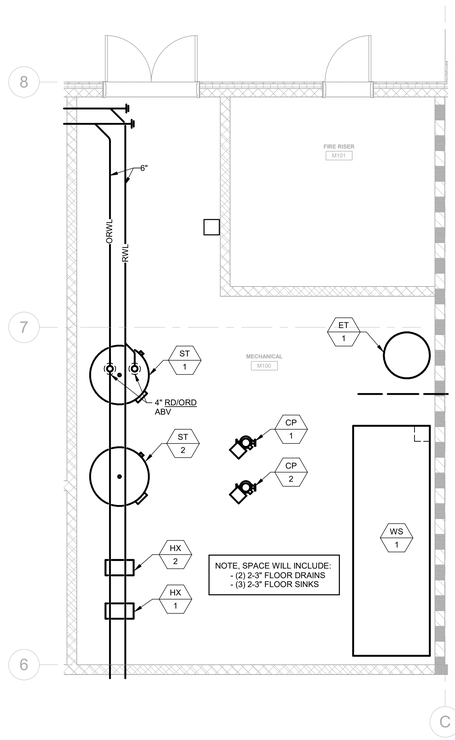
date
OCTOBER 26, 2026

drawing number
P2.32

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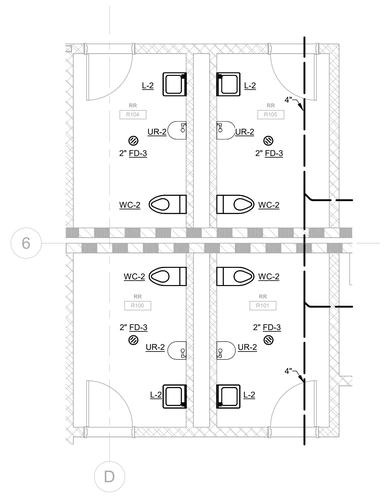


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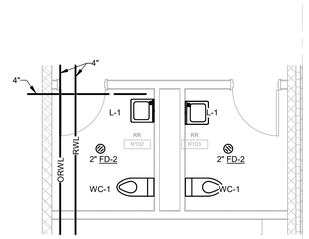
MECHANICAL ROOM - WASTE/VENT (1 / P3.1) N

SCALE: 1/4" = 1'-0"



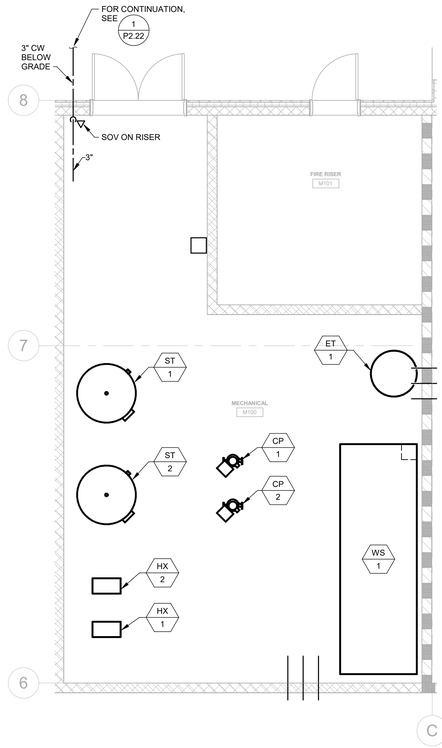
NORTHWEST RESTROOMS - WASTE/VENT (2 / P3.1) N

SCALE: 1/4" = 1'-0"



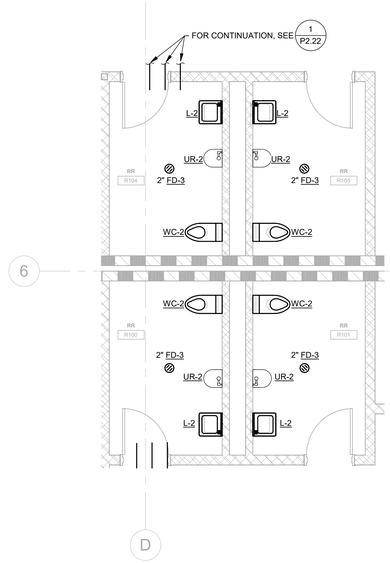
SOUTHEAST RESTROOMS - WASTE/VENT (3 / P3.1) N

SCALE: 1/4" = 1'-0"



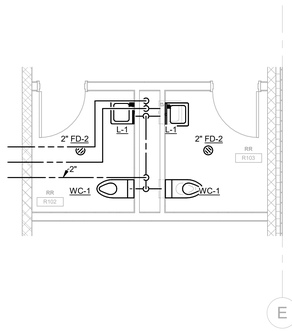
MECHANICAL ROOM - WATER/GAS (4 / P3.1) N

SCALE: 1/4" = 1'-0"



NORTHWEST RESTROOMS - WATER/GAS (5 / P3.1) N

SCALE: 1/4" = 1'-0"



SOUTHEAST RESTROOMS - WATER/GAS (6 / P3.1) N

SCALE: 1/4" = 1'-0"

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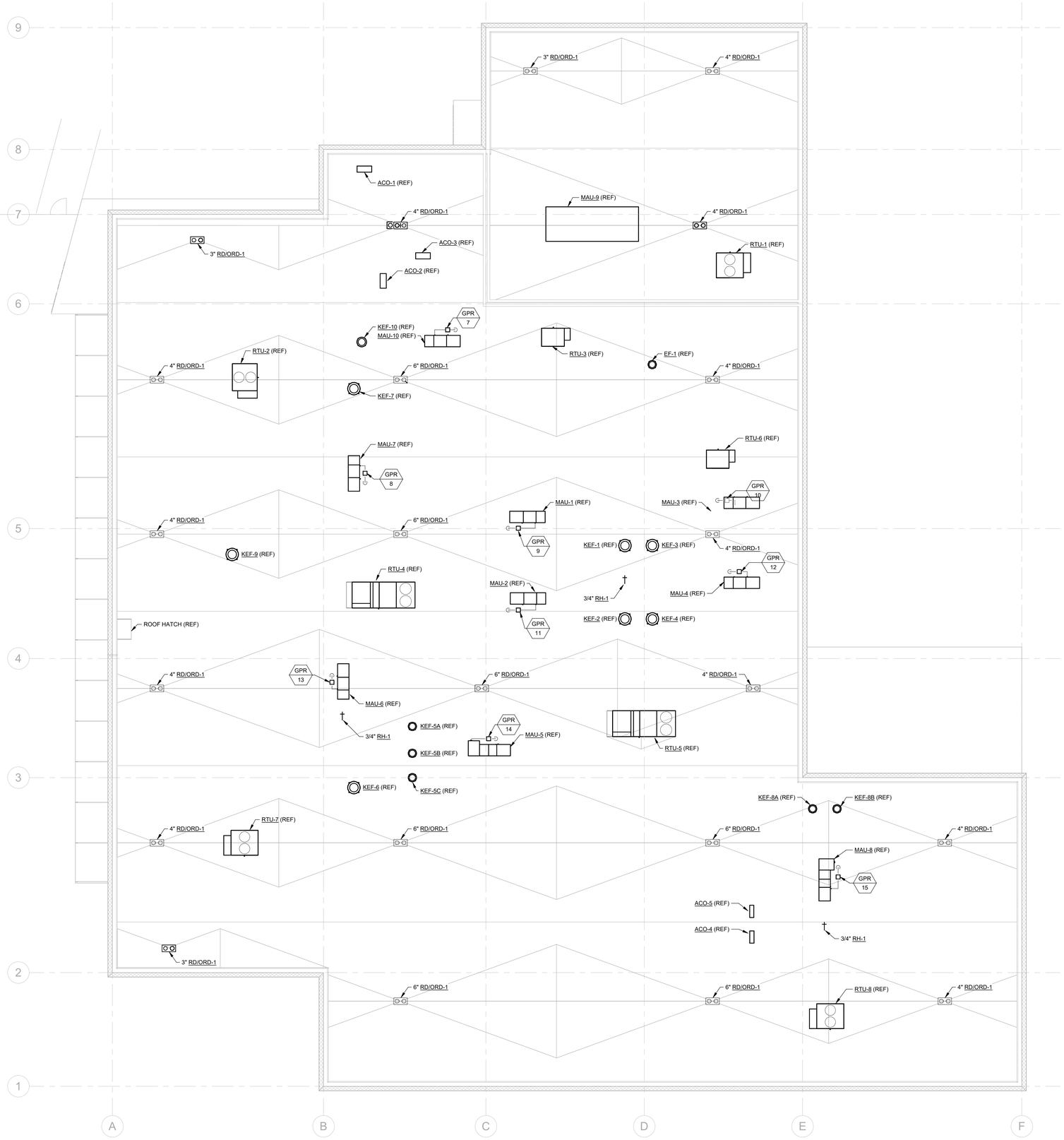
drawing title
ENLARGED PLUMBING FLOOR PLANS

job number
25015

date
OCTOBER 26, 2026

drawing number
P3.1

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OVERALL PLUMBING ROOF PLAN

SCALE: 3/32" = 1'-0"

1 / P4.1

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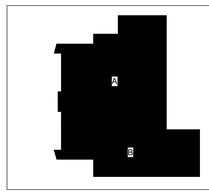
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OVERALL PLUMBING ROOF PLAN

job number
25015

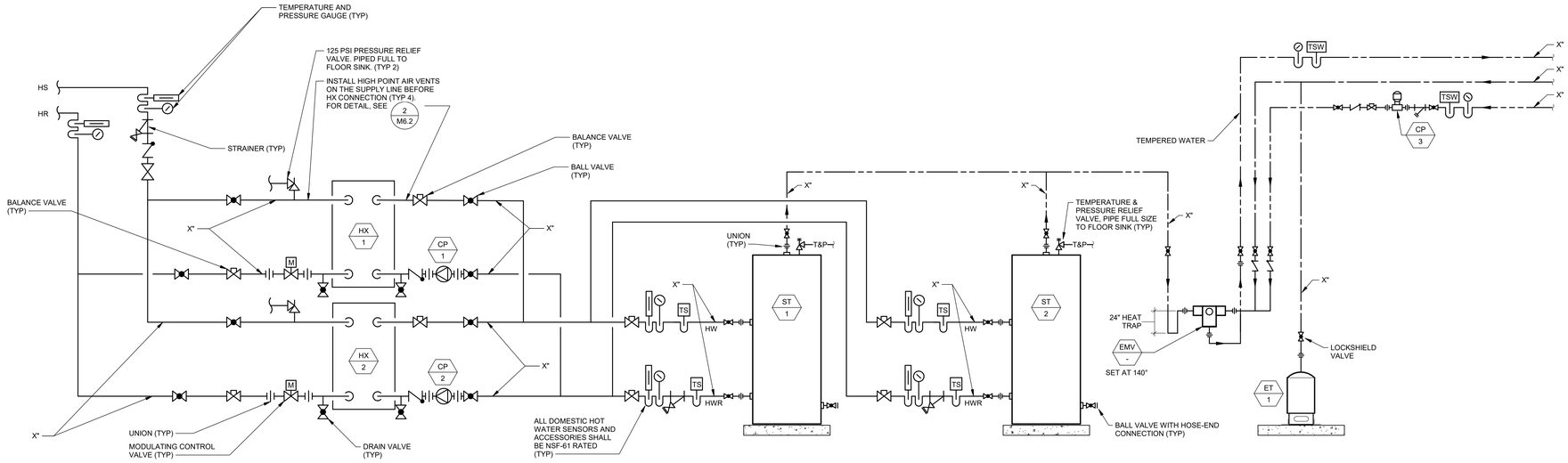
date
OCTOBER 26, 2026

drawing number
P4.1

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PLUMBING PIPING DIAGRAM FOR DHW

SCALE: NONE

1 / P5.1

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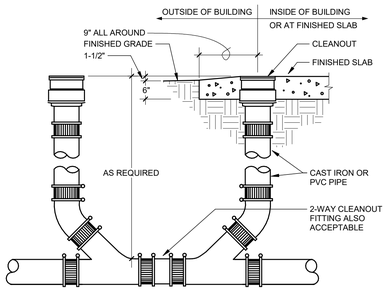
DESIGN DEVELOPMENT

drawing title
PLUMBING PIPING DIAGRAM FOR DHW

job number
25015

date
OCTOBER 26, 2026

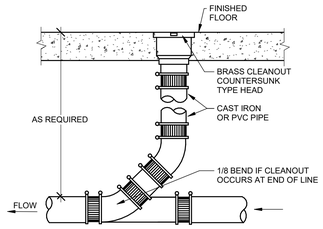
drawing number
P5.1



NOTE:
SEE SPECIFICATIONS FOR ALLOWABLE PIPE MATERIALS, PIPE JOINING METHODS, AND REQUIREMENTS FOR BEDDING AND BACKFILL.

2-WAY CLEANOUT TO GRADE

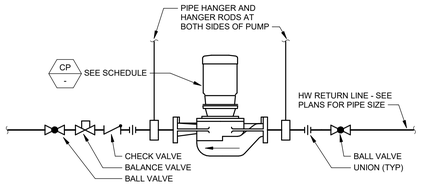
SCALE: NONE — 1 / P6.1



NOTE:
SEE SPECIFICATIONS FOR ALLOWABLE PIPE MATERIALS, PIPE JOINING METHODS, AND REQUIREMENTS FOR BEDDING AND BACKFILL.

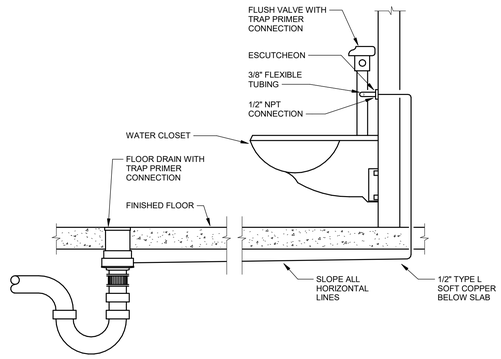
CLEANOUT TO FLOOR

SCALE: NONE — 2 / P6.1



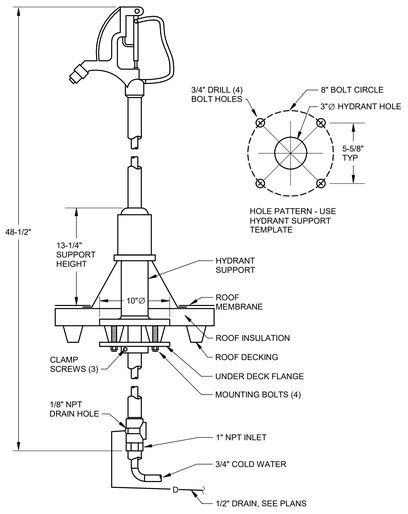
CIRCULATION PUMP

SCALE: NONE — 3 / P6.1



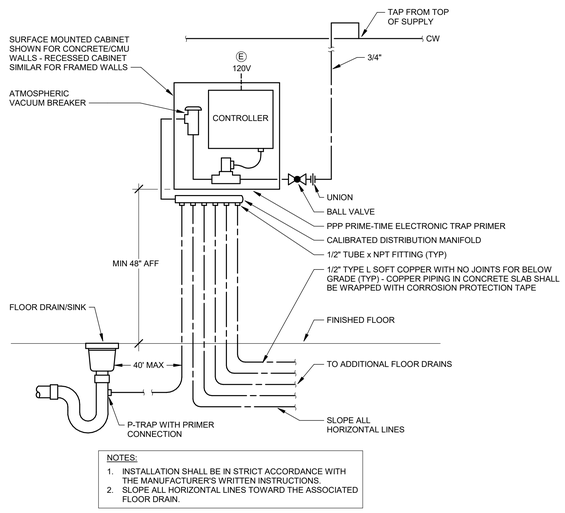
FLUSH VALVE WITH TRAP PRIMER

SCALE: NONE — 4 / P6.1



FREEZE-PROOF ROOF HYDRANT

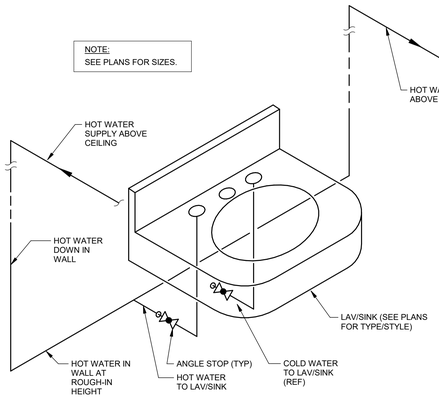
SCALE: NONE — 5 / P6.1



NOTES:
1. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SLOPE ALL HORIZONTAL LINES TOWARD THE ASSOCIATED FLOOR DRAIN.

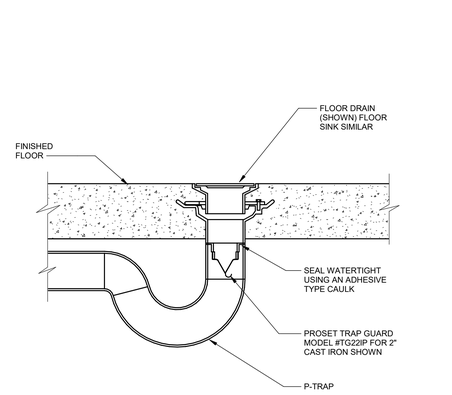
ELECTRONIC TRAP PRIMER (4 OR MORE TRAPS)

SCALE: NONE — 6 / P6.1



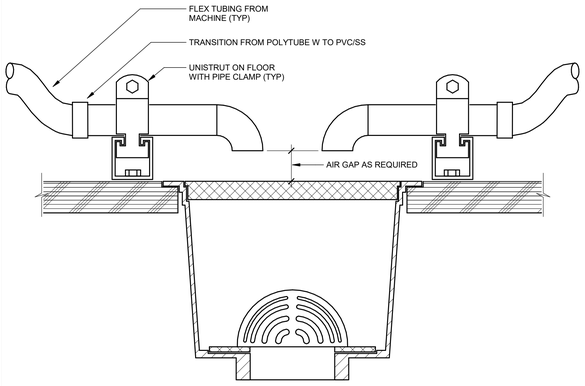
HOT WATER PIPING BEHIND LAV/SINK

SCALE: NONE — 7 / P6.1



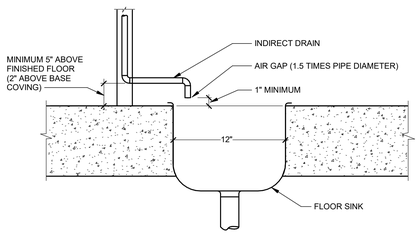
FLOOR DRAIN OR SINK WITH TRAP GUARD

SCALE: NONE — 8 / P6.1



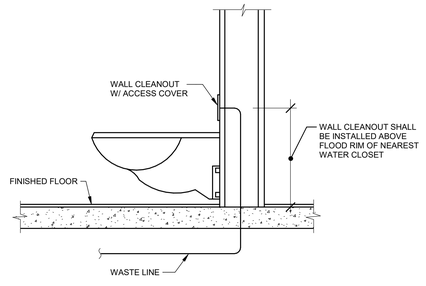
FLOOR SINK

SCALE: NONE — 9 / P6.1



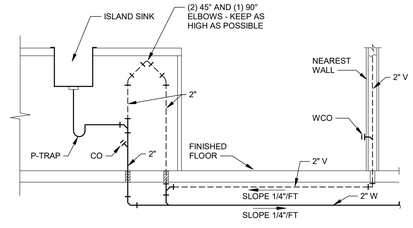
FLOOR SINK INDIRECT DRAINS

SCALE: NONE — 10 / P6.1



WALL CLEANOUT

SCALE: NONE — 11 / P6.1



NOTE:
INSTALLATION SHALL CONFORM TO 2018 UPC SECTION 909.0.

ISLAND VENT

SCALE: NONE — 12 / P6.1

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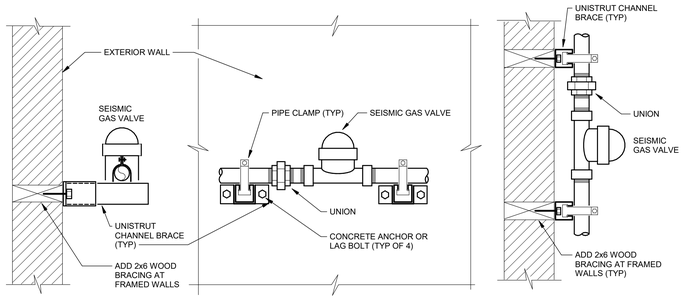
DESIGN DEVELOPMENT

drawing title
PLUMBING DETAILS

job number
25015

date
OCTOBER 26, 2026

drawing number
P6.1

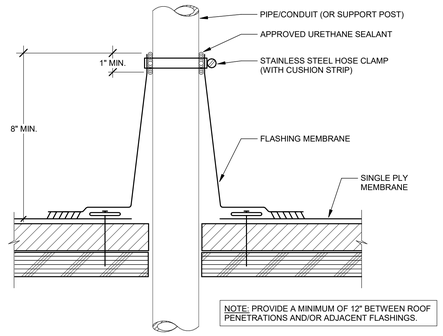


HORIZONTAL

VERTICAL

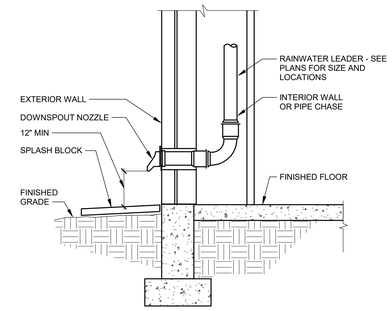
NOTE:
CONTRACTOR SHALL VERIFY REQUIRED CONFIGURATION OF SEISMIC GAS VALVE (HORIZONTAL OR VERTICAL) PRIOR TO PREPARING SUBMITTAL AND PRIOR TO ORDERING SEISMIC VALVE.

SEISMIC GAS VALVE SUPPORT (1 / P6.2)
SCALE: NONE

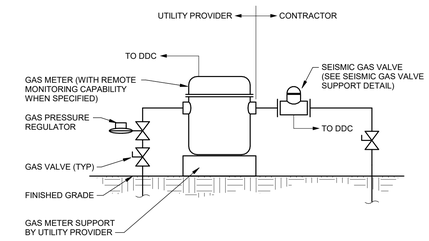


NOTE: PROVIDE A MINIMUM OF 12" BETWEEN ROOF PENETRATIONS AND/OR ADJACENT FLASHINGS.

PIPE/CONDUIT FLASHING (2" & LARGER) (2 / P6.2)
SCALE: NONE

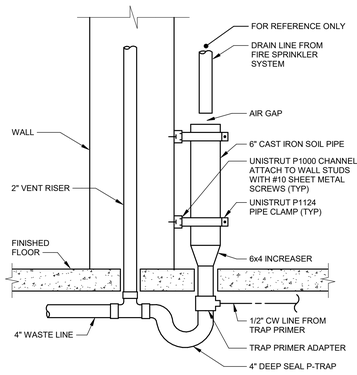


OVERFLOW RAINWATER LEADER DOWNSPOUT (3 / P6.2)
SCALE: NONE



GAS METER WITH SEISMIC GAS VALVE (4 / P6.2)
SCALE: NONE

DESIGNER NOTE: PLACE IN P SHEETS



FIRE SPRINKLER DRAIN (5 / P6.2)
SCALE: NONE

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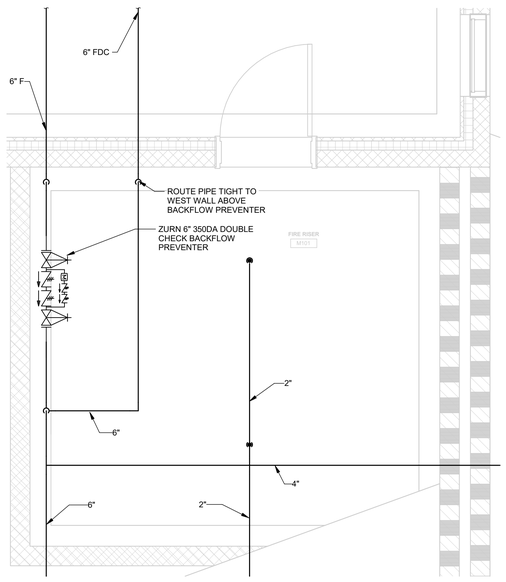
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FIRE RISER ROOM ENLARGED PLAN (1 / FP0.1)

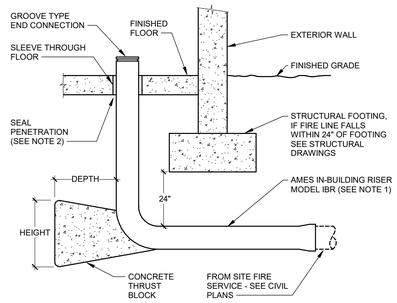
SCALE: 1/2" = 1'-0"

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FIRE RISER THRUST BLOCK SIZING TABLE

DESCRIPTION	4" PIPE	6" PIPE	8" PIPE	10" PIPE	12" PIPE
SOIL BEARING AREA	4.0 FT	8.0 FT	14.0 FT	21.0 FT	30.0 FT
THRUST BLOCK HEIGHT	1.5 FT	2.0 FT	3.0 FT	3.5 FT	4.0 FT
THRUST BLOCK WIDTH	2.5 FT	4.0 FT	4.5 FT	6.0 FT	7.5 FT
THRUST BLOCK DEPTH	1.5 FT	2.0 FT	2.5 FT	3.0 FT	4.0 FT
THRUST BLOCK VOLUME	5.63 CU FT	16.00 CU FT	33.75 CU FT	63.00 CU FT	120.00 CU FT

TABLE NOTES:
1. THE LISTED DATA IS BASED ON A 1.5 SAFETY FACTOR, 1,500 PSF SOIL BEARING STRENGTH, AND 150 PSI WATER PRESSURE.
2. CONCRETE THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
3. CONCRETE THRUST BLOCKS SHALL BE CLASS 'C' CONCRETE WITH A MINIMUM 28 DAY STRENGTH OF 3,000 PSI.
4. PIPE JOINTS SHALL BE KEPT CLEAR OF CONCRETE.
5. THRUST BLOCK INSTALLATION SHALL COMPLY IN ALL REGARDS WITH NFPA 13.



DETAIL NOTES:
1. IN-BUILDING RISER SHALL BE WRAPPED WITH 10 MIL POLYETHYLENE SHEETING THAT IS SECURED AND SEALED TIGHTLY AT THE ENDS AND SEAMS.
2. PROVIDE 1" THICK HIGH DENSITY FIBERGLASS PIPE INSULATION INSIDE THE PIPE SLEEVE AT THE FIRE RISER FLOOR PENETRATION, WITH THE TOP OF THE FIBERGLASS CUT AWAY OR COMPRESSED TO ALLOW FOR A 1/2" THICK SEAL USING HIGH QUALITY SILICONE SEALANT.
3. THIS DETAIL IS TYPICAL FOR FIRE DEPARTMENT CONNECTION PIPING.

FIRE LINE ENTERING BUILDING (2 / FP0.1)

SCALE: NONE

WET FIRE RISER (3 / FP0.1)

SCALE: NONE

FIRE PROTECTION LEGEND

———	WET SPRINKLER LINE
———DS———	DRY SPRINKLER LINE
———AF———	ANTI-FREEZE SPRINKLER LINE
———PA———	PREACTION SPRINKLER LINE
———DS———	DELUGE SPRINKLER LINE
———D———	DRAIN
- - - - - -	EXISTING ITEM TO BE REMOVED
(E), (N)	EXISTING, NEW
FA, TB	FROM ABOVE, TO BELOW
FB, TA	FROM BELOW, TO ABOVE
GPM	GALLONS PER MINUTE
FDC	FIRE DEPARTMENT CONNECTION
POC	POINT OF CONNECTION
POD	POINT OF DISCONNECTION
WSP	WET SPRINKLER PIPING
IE	INVERT ELEVATION
NC	NORMALLY CLOSED
OC	ON CENTER
RIO	ROUGH IN ONLY
SS	STAINLESS STEEL
TYP	TYPICAL
UF	UNDER FLOOR
UNO	UNLESS NOTED OTHERWISE
	FIRE DEPARTMENT CONNECTION
	CONTROL VALVE WITH TAMPER SWITCH
	CHECK VALVE
	UPRIGHT SPRINKLER HEAD
	PENDANT SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD

APPLICABLE CODE AND REGULATIONS

2024 IFC
2022 NFPA STANDARD 13
2022 NFPA STANDARD 20
2022 NFPA STANDARD 24

SPECIFICATION NOTE

A SEPARATE SPECIFICATION DOCUMENT IS INCLUDED AS PART OF THE CONSTRUCTION DOCUMENTS

GENERAL NOTES

1. THE AUTOMATIC SPRINKLER SYSTEM SHALL MEET THE REQUIREMENTS OF NFPA 13, 24, NEC, LOCAL AND STATE BUILDING OFFICIALS, AND HEALTH DEPARTMENT. SCOPE OF WORK INCLUDES:
   A. A COMPLETE AND OPERABLE WET FIRE SPRINKLER SYSTEM THROUGHOUT.
   B. ALARM DEVICES WITH WIRING CONNECTIONS FOR ELECTRICAL/ALARM CONTRACTOR.
2. SYSTEM IS HYDRAULICALLY CALCULATED IN ACCORDANCE WITH NFPA 13 FOR BOTH ORDINARY HAZARD GROUP 2 AND LIGHT HAZARD OCCUPANCIES.
3. HYDRAULIC DESIGN INFORMATION SIGN SHALL BE INSTALLED ON ALL SYSTEM RISERS.
4. ALL NEW PIPING IS TO BE STEEL WITH SCREWED FITTINGS FOR PIPING 2" AND SMALLER AND WELDED, GROOVED OR MECHANICAL T OUTLETS FOR PIPING 2.5" AND LARGER. PLAIN END PIPING CONNECTIONS WILL NOT BE ACCEPTABLE. PLASTIC PIPING WILL NOT BE ACCEPTABLE. ALL PIPING TO BE CONCEALED ABOVE CEILINGS UNLESS OTHERWISE NOTED. PIPING IS TO BE INSTALLED TO DRAIN IN STRICT ACCORDANCE WITH NFPA 13. PIPING SHALL RUN STRAIGHT AND TRUE WITH BUILDING FEATURES.
5. SPRINKLER HEADS TO BE QUICK RESPONSE. HEADS SHALL LINE UP WITH LIGHTING AND OTHER CEILING FEATURES IN A UNIFORM AND SYMMETRICAL PATTERN. HEADS SHALL BE CHROME. CENTER SPRINKLERS IN GEOMETRIC CENTER OF TILES IN PUBLIC AREAS.
6. THE AUTOMATIC SPRINKLER SYSTEM SHALL BE TESTED PER NFPA 13 FOR 2 HOURS AT 200 PSI.
7. THE AUTOMATIC SPRINKLER SYSTEM SHALL BE INSPECTED, TESTED, AND MAINTAINED BY THE OWNER PER NFPA 25.
8. OWNER SHALL BE RESPONSIBLE FOR MAINTAINING A MINIMUM TEMPERATURE OF 40F IN AREAS CONTAINING SPRINKLER PIPING TO PROTECT FROM FREEZING.
9. THESE DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW DESIGN. ALL PIPING WORK SHALL BE COORDINATED WITH ALL TRADES PRIOR TO COMMENCING WORK. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AS REQUIRED.
10. CONTRACTOR SHALL HOLD A VALID NEVADA CONTRACTORS LICENSE FOR THE TYPE OF WORK BEING PERFORMED.
11. ALL PIPING SHALL BE SUSPENDED AND BRACED IN STRICT ACCORDANCE WITH NFPA 13 AND FACTORY MUTUAL.
12. ALL SPRINKLER HEADS SHALL BE ATTACHED TO BRANCH PIPING USING A FLEXIBLE PIPING CONNECTION.
13. DO NOT ROUTE ANY PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT OR PANELS.

FIRE PROTECTION DESIGN CRITERIA

- SCOPE OF WORK:

SPRINKLER SYSTEM DESIGNED FOR "PROJECT NAME" USING THE FOLLOWING DESIGN CRITERIA AND INSTALLATION NOTES.

- LIGHT HAZARD AREAS:

DENSITY/AREA = 0.10 gpm/ft² OVER --- ft², 100 gpm HOSE ALLOWANCE, NFPA 13, 2022, FIGURE 19.2.3.1.1 & 19.2.3.1.2

QUICK RESPONSE AREA REDUCTION - SPRINKLERS ARE QUICK RESPONSE TYPE, NFPA 13, 2022, 9.4.3.1(1). IN WET-PIPE SYSTEM, CEILING HEIGHTS ARE 20'-0" OR LESS. THE HYDRAULIC AREA OF OPERATION IN LIGHT HAZARD AREAS MAY BE REDUCED UP TO 40% IN ACCORDANCE WITH NFPA 13, 2022, 19.2.3.2.3.1 NOT LESS THAN FIVE SPRINKLERS SHALL BE CALCULATED, NFPA 13, 2022, 19.2.3.2.3.2. THE MINIMUM DENSITY/AREA = 0.10 gpm/ft² OVER ----ft², 100 gpm HOSE ALLOWANCE.

- ORDINARY HAZARD I AREAS:

DENSITY/AREA = 0.15 gpm/ft² OVER --- ft², 250 gpm HOSE ALLOWANCE, NFPA 13, 2022, FIGURE 19.2.3.1.1 & 19.2.3.1.2

QUICK RESPONSE AREA REDUCTION - SPRINKLERS ARE QUICK RESPONSE TYPE, NFPA 13, 2022, 9.4.3.1(1). IN WET-PIPE SYSTEM, CEILING HEIGHT ARE 20'-0" OR LESS. THE HYDRAULIC AREA OF OPERATION IN ORDINARY HAZARD I AREAS MAY BE REDUCED UP TO 40% IN ACCORDANCE WITH NFPA 13, 2022, 19.2.3.2.3.1 NOT LESS THAN FIVE SPRINKLERS SHALL BE CALCULATED, NFPA 13, 2022, 19.2.3.2.3.2. THE MINIMUM DENSITY/AREA = 0.15 gpm/ft² OVER ---- ft², 250 gpm HOSE ALLOWANCE.

DRAWING SHEET INDEX

FP0.1	FIRE PROTECTION SCHEDULES, LEGEND, ENLARGED PLAN & NOTE
FP1.1	FIRE PROTECTION OVERALL BUILDING FLOOR PLAN
FP1.2	OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA A
FP1.3	OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA B

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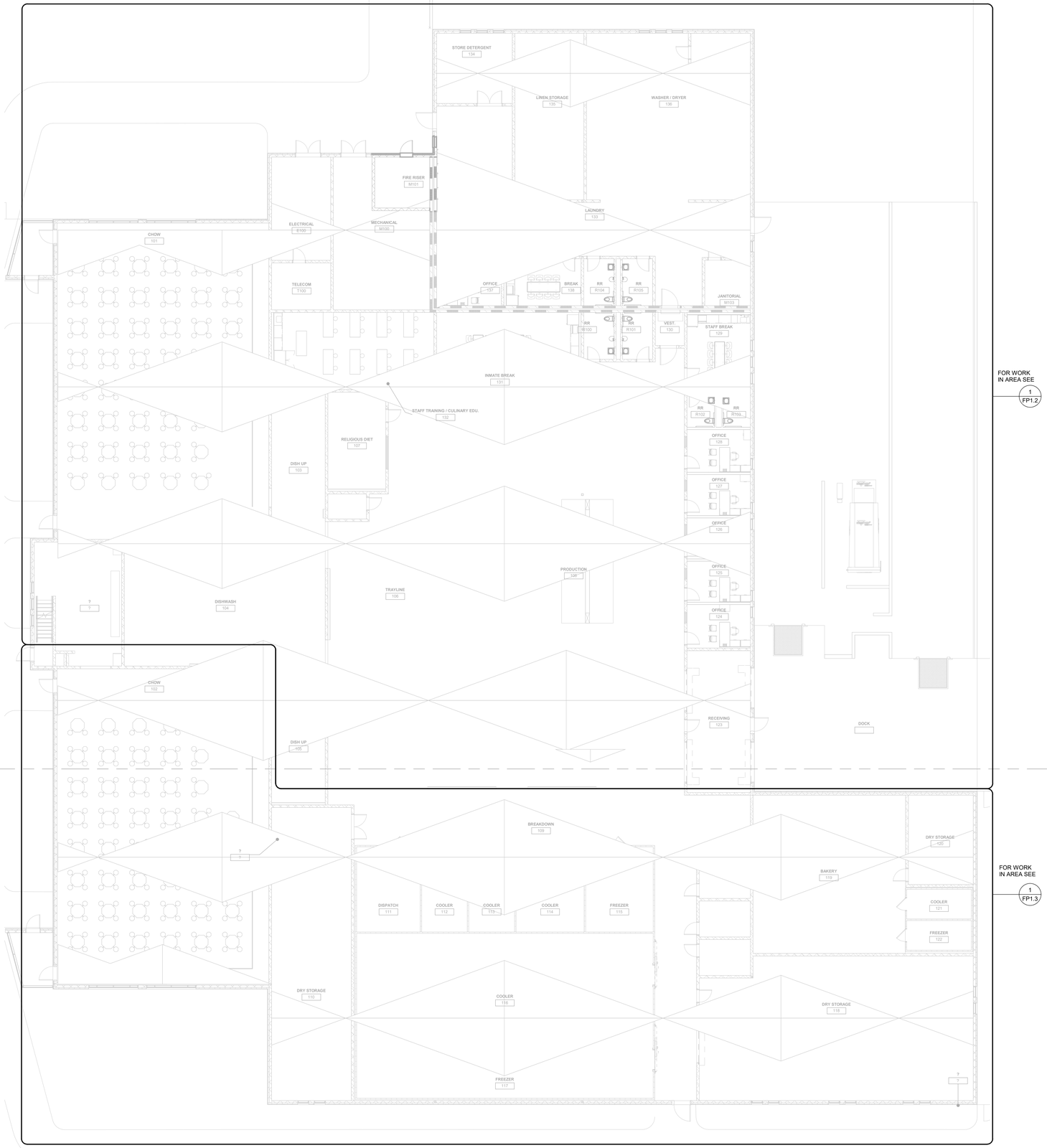
drawing title
FIRE PROTECTION SCHEDULES, LEGEND, ENLARGED PLAN & NOTE

job number
25015

date
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drawing number
FP0.1

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FIRE PROTECTION OVERALL BUILDING FLOOR PLAN (1 FP1.1)

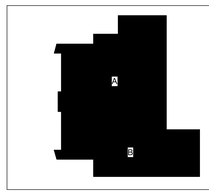
SCALE: 3/32" = 1'-0"

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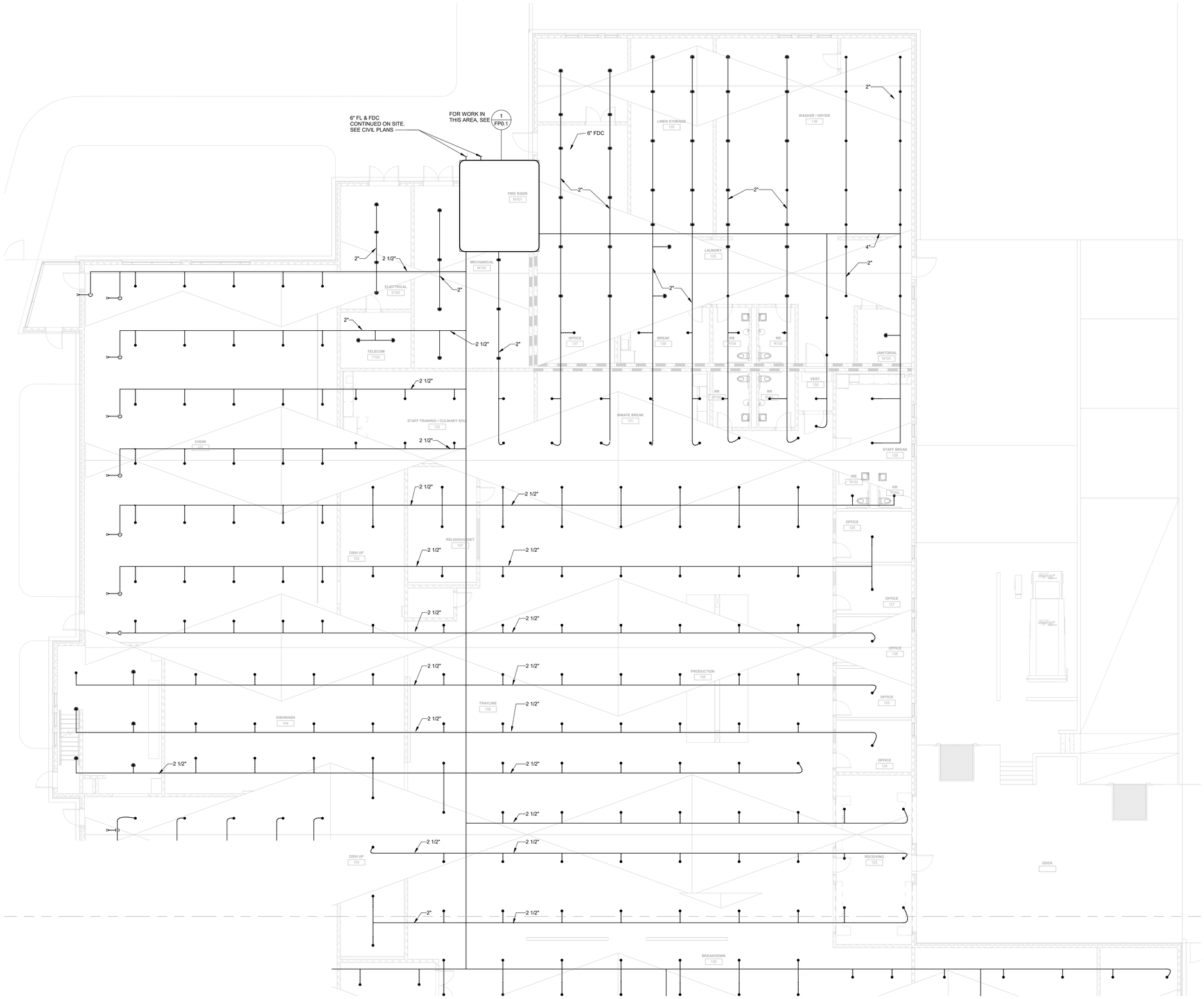
DESIGN DEVELOPMENT

drawing title
FIRE PROTECTION OVERALL BUILDING FLOOR PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
FP1.1



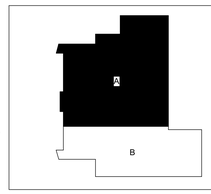
FIRE PROTECTION OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA A (1 / FP1.2)

SCALE: 1/8" = 1'-0"

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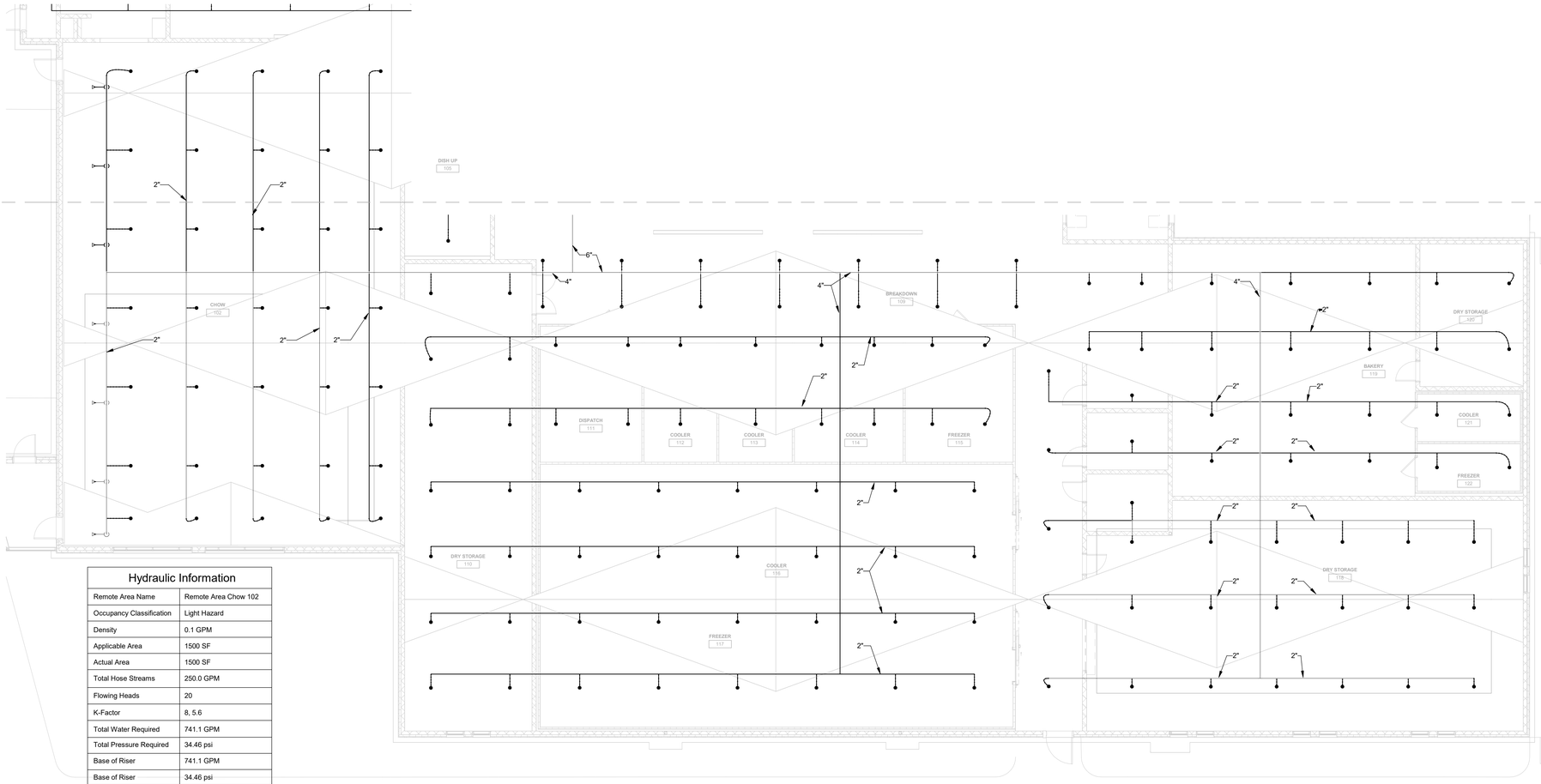
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OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA A

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25015

date
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drawing number
FP1.2

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Hydraulic Information	
Remote Area Name	Remote Area Chow 102
Occupancy Classification	Light Hazard
Density	0.1 GPM
Applicable Area	1500 SF
Actual Area	1500 SF
Total Hose Streams	250.0 GPM
Flowing Heads	20
K-Factor	8, 5.6
Total Water Required	741.1 GPM
Total Pressure Required	34.46 psi
Base of Riser	741.1 GPM
Base of Riser	34.46 psi
Safety Margin	+22.67 (39.68%)

Hydraulic Information	
Remote Area Name	RA Dry Storage 118
Occupancy Classification	Ordinary Hazard Group 1
Density	0.15 GPM
Applicable Area	1500 SF
Actual Area	1500 SF
Total Hose Streams	250.0 GPM
Flowing Heads	18
K-Factor	5.6
Total Water Required	620.6 GPM
Total Pressure Required	28.14 psi
Base of Riser	620.6 GPM
Base of Riser	28.14 psi
Safety Margin	+29.79 (51.43%)

FIRE PROTECTION OVERALL BUILDING FLOOR PLAN - LEVEL 1 - AREA B

SCALE: 1/8" = 1'-0"

1 / FP1.3

N

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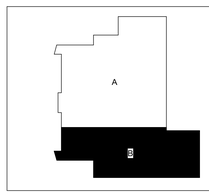
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FIRE ALARM MASTER LEGEND & GENERAL NOTES

▬	FIRE ALARM CONTROL PANEL (FACP) OR REMOTE ANNUNCIATOR PANEL (FAAP): FLUSH MOUNTED, 60" TO CL OF LCD DISPLAY	cd	HORN/STROBE: WALL MOUNT 80" AFF TO BOTTOM OF LENS NOTE CANDELA
▬	FIRE ALARM CONTROL PANEL (FACP) / REMOTE ANNUNCIATOR PANEL (FAAP) / VOICE EVAC PANEL (FAVP): SURFACE MOUNTED, 60" TO CL OF LCD DISPLAY	cd	HORN/STROBE: CEILING MOUNT NOTE CANDELA
	BOOSTER POWER SUPPLY (BPS): SURFACE MOUNTED	w	SPEAKER: WALL MOUNT 80" AFF TO TOP OF DEVICE AND NOT LESS THAN 6" BELOW CEILING
F	MANUAL PULL STATION: MOUNT AT 48" TO TOP, UNO	(S) w	SPEAKER: CEILING MOUNT
(S) (S)	SMOKE DETECTOR: CEILING MOUNT / WALL MOUNT	cd w	SPEAKER/STROBE: WALL MOUNT 80" AFF TO BOTTOM OF LENS NOTE CANDELA
(S) H LO (S) H LO	LOCAL-ONLY SMOKE DETECTOR: 120V, INTEGRAL BATTERY, WITH HORN & STROBE, CEILING MOUNT OR WALL MOUNT	(SS) cd w	SPEAKER/STROBE: CEILING MOUNT NOTE CANDELA
(S) BT (S) BR	BEAM DETECTOR: (BT) TRANSMITTER, (BR) RECEIVER WALL MOUNT PER MANUFACTURERS SPECIFICATIONS	15cd	STROBE: WALL MOUNT 80" AFF TO BOTTOM OF LENS NOTE CANDELA
	HEAT DETECTOR: (ROR) RATE OF RISE, (F) FIXED, TEMP 135° OR 190° CEILING MOUNT / WALL MOUNT	cd	STROBE: CEILING MOUNT NOTE CANDELA
MM	MONITOR MODULE (SINGLE OR DUAL): AT OR NEAR DEVICE	F	FIRE BELL (WATERFLOW): POWERED FROM FACP, VIA FLOW SWITCH. MOUNT PER LOCAL CODE.
CR	CONTROL RELAY MODULE: AT OR NEAR DEVICE	KH	HOOD FIRE SUPPRESSION SYSTEM CONNECTION
RTS	REMOTE TEST SWITCH: LOCATE WHERE ACCESSIBLE	PIV	FIRE SPRINKLER POST INDICATOR VALVE: PROVIDE MONITOR MODULE INDOORS
PM	MULTI-VOLTAGE RELAY: AT OR NEAR DEVICE	FS	FIRE SPRINKLER FLOW SWITCH
DH	MAGNETIC DOOR HOLDER: 120V POWERED, UNLESS NOTED OTHERWISE. SEE DOOR HARDWARE SCHEDULE.	TS	FIRE SPRINKLER TAMPER SWITCH
EOLR	END OF LINE RESISTOR	FSD	FIRE/SMOKE DAMPER: COORDINATE INSTALLATION AND MOTOR DE-ENERGIZE PROCEDURES WITH MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE RACEWAY, POWER, DISCONNECT, AND CONTROL WIRE AS NECESSARY.
	HORN: WALL MOUNT 80" AFF TO TOP OF DEVICE AND NOT LESS THAN 6" BELOW CEILING		
	HORN: CEILING MOUNT	(S) D	DUCT SMOKE DETECTOR: SEE MECHANICAL DRAWINGS FOR LOCATIONS

NOTES:

1. THE FIRE ALARM SYSTEM IS A DEFERRED SUBMITTAL TO THE STATE FIRE MARSHAL.
2. THE CONTRACTOR SHALL SERVE AS THE CITY/STATE LICENSED DESIGNER AND INSTALLER FOR THE FIRE ALARM SYSTEM. A COMPLETE TURN-KEY SYSTEM SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR INCLUDING, BUT NOT LIMITED TO THE CONTROL PANEL, DEVICES, MODULES, EQUIPMENT ETC. REQUIRED FOR A COMPLETE SYSTEM. INSTALL AN APPROVED MANUAL, AUTOMATIC, OR MANUAL AND AUTOMATIC FIRE ALARM SYSTEM IN ACCORDANCE WITH THE PROVISIONS OF THE IFC, IBC, NFPA-70, NFPA-72, NFPA-101, NEC 760, ADA AND STATE FIRE MARSHAL REQUIREMENTS.
3. THE CONTRACTOR'S DESIGN AND BID SHALL BE BASED ON ALL PROJECT DRAWINGS AND SPECIFICATIONS FOR ALL DISCIPLINES, INCLUDING BUT NOT LIMITED TO MECHANICAL, FIRE SPRINKLER, KITCHEN, ARCHITECTURAL, SECURITY, BUILDING AUTOMATION, AND STRUCTURAL SYSTEMS. FIRE ALARM DEVICES AS SHOWN ON PLANS ARE SHOWN DIAGRAMMATICALLY FOR BIDDING PURPOSES ONLY AND IS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS AS MINIMUM CRITERIA. THE CONTRACTOR SHALL COORDINATE WITH THE STATE FIRE MARSHAL AND COMPLY WITH APPLICABLE CODES FOR ANY ADDITIONAL DEVICES OR EQUIPMENT THAT MAY BE REQUIRED.
4. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE STATE FIRE MARSHAL AND THE ENGINEER OF RECORD.
5. FIRE ALARM SYSTEM SHALL BE CLASS 1 CIRCUITING AS REQUIRED BY THE STATE FIRE MARSHAL AND NFPA-70.
6. ALL FIRE ALARM WIRING TO BE RUN IN 3/4" CONDUIT (MINIMUM). EXPOSED CONDUIT IS NOT ACCEPTABLE UNLESS APPROVED BY THE ARCHITECT.
7. BATTERY BACKUP SYSTEM SHALL BE CALCULATED TO PROVIDE A MINIMUM OF 24 HOURS OF STANDBY AND A MINIMUM OF 5 MINUTES OF ALARM OR PER STATE FIRE MARSHAL REQUIREMENTS.
8. CONNECT TO THE TELEPHONE SYSTEM WITH DIAL OUT BY POINT. PROVIDE CELLULAR DIALER FOR CONNECTION TO MONITORING STATION WITH INTEGRAL 24 HOUR BATTERY.
9. FIRE ALARM NOTIFICATION APPLIANCE CANDELA VALUE SHALL MEET THE REQUIREMENTS OF NFPA 72, BASED ON ROOM SIZE. IT IS THE CONTRACTORS RESPONSIBILITY TO ADD ADDITIONAL NOTIFICATION APPLIANCES AS REQUIRED TO COMPLY WITH THE REQUIREMENTS OF NFPA 72.
10. MANUAL PULL STATIONS SHALL BE MOUNTED 48" TO TOP OF DEVICE.
11. DETECTORS ARE NOT TO BE LOCATED IN A DIRECT AIRFLOW OR CLOSER THAN 3' FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING IN ACCORDANCE WITH NFPA-72.
12. DETECTOR LOCATION FOR DOOR HOLD ACTIVATION SHALL BE PER NFPA-72, WHEN REQUIRED.
13. AREA SMOKE DETECTION AND DUCT DETECTORS SHALL SHUT DOWN ALL MECHANICAL UNITS.
14. SMOKE OR COMBINATION FIRE/SMOKE DAMPERS SHALL HAVE DETECTION IN COMPLIANCE WITH IBC CHAPTER 717. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE APPROPRIATE LOCATIONS FOR THE DETECTION AND ACTUATION IN ALL CASES. COORDINATE WITH ALL TRADES FOR ACCESS, INSTALLATION, AND CONTROL REQUIREMENTS. EACH DAMPER SHALL BE MONITORED AT THE FACP FOR POSITION STATUS (OPEN/CLOSE) AND A LOCAL DISCONNECT SWITCH IS REQUIRED AT EACH DAMPER.
15. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A FINAL INSPECTION AND TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE STATE FIRE MARSHAL. A COPY OF THE RECORD OF COMPLETION AND CERTIFICATE OF OCCUPANCY SHALL BE SUBMITTED TO THE ENGINEER OF RECORD.
16. FOR VOICE/EVACUATION SYSTEMS, THE CONTRACTOR SHALL ENSURE ADEQUATE AUDIBILITY AND NFPA 72 REQUIRED INTELLIGIBILITY OF THE VOICE MESSAGES UPON PROJECT COMPLETION AND RELOCATE OR ADD SPEAKERS TO MEET THIS REQUIREMENT, AT NO COST TO THE OWNER.
17. PROVIDE DOCUMENT BOX ADJACENT TO FACP WITH RECORD DRAWINGS (PRINTED) WITH USB DRIVE CONTAINING LATEST PROGRAM COPY AND ELECTRONIC (PDF) RECORD DRAWINGS.
18. THE CONTRACTOR SHALL PRODUCE A COMPLETE SET OF DRAWINGS, PRODUCT SUBMITTALS AND CALCULATIONS FOR A COMPLETE FIRE ALARM SYSTEM INSTALLATION. DRAWINGS SHALL BE PREPARED BY A LICENSED FIRE ALARM SUB-CONTRACTOR (NICET II & NEVADA STATE FIRE MARSHAL 'F' CARD HOLDER). THESE DRAWINGS SHALL BEAR THE NAME OF THE CONTRACTOR AND QUALIFYING CERTIFICATIONS. ALL DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR UTILIZING THEIR OWN DEVICE LAYOUT, WIRING, SCHEDULES, CALCULATIONS, AND ALL OTHER REQUIREMENTS FOR A COMPLETE PACKAGE. FLOOR PLANS (ELECTRONIC) WILL BE PROVIDED TO THE AWARDED CONTRACTOR UPON REQUEST. DOCUMENTS PROVIDED ARE FOR GUIDANCE ONLY AND REFER TO PROPOSED DEVICE LOCATIONS AND WIRING REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE A COMPLETE LAYOUT AND SYSTEM DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING FOR AND OBTAINING A PERMIT WITH THE STATE FIRE MARSHAL WITH THEIR PREPARED DOCUMENTS.
19. BUILDINGS WITH EXISTING SYSTEMS SHALL ONLY BE MODIFIED BY A MANUFACTURER AUTHORIZED REPRESENTATIVE.

ELECTRICAL LEGEND

- PANELBOARD: SURFACE MOUNTED
- PANELBOARD: FLUSH MOUNTED
- SWITCHBOARD OR DISTRIBUTION PANEL
- XF TRANSFORMER
- PULLBOX / VAULT
- MOTOR STARTER
- COMBINATION MOTOR STARTER
- COMBINATION MOTOR STARTER PROVIDED BY OTHERS (COORDINATE WITHSTAND RATINGS WITH EQUIPMENT SUPPLIER)
- F DISCONNECT SWITCH - FUSIBLE (FUSED PER EQUIP. NAMEPLATE)
- N DISCONNECT SWITCH - NON-FUSIBLE
- DISCONNECT SWITCH PROVIDED BY OTHERS (COORDINATE WITHSTAND RATINGS WITH EQUIPMENT SUPPLIER)
- VARIABLE FREQUENCY DRIVE
- VARIABLE FREQUENCY DRIVE PROVIDED BY OTHERS (COORDINATE WITHSTAND RATINGS WITH EQUIPMENT SUPPLIER)
- CB ENCLOSED CIRCUIT BREAKER
- GROUND ROD
- SHUNT TRIP STATION OR EMERGENCY PUSHBUTTON
- M REMOTE METER

- $ SINGLE POLE SWITCH 48" AFF
- $3 THREE WAY SWITCH 48" AFF
- $4 FOUR WAY SWITCH 48" AFF
- $K KEY OPERATED SWITCH 48"
- $L SWITCH WITH LIGHTED HANDLE
- $M MANUAL MOTOR STARTER
- $P SWITCH WITH PILOT LIGHT 48" AFF
- $T TIME WALL SWITCH EQUAL TO HUBBELL DT2000W 48" AFF
- DIMMER OPERATED SWITCH 48" AFF
- OCCUPANCY SENSOR - WALL MOUNTED 48" AFF
- D 0-10V DIMMING OCCUPANCY SENSOR - WALL MOUNTED 48" AFF EQUAL TO SENSOR SWITCH WSX-D
- OS OCCUPANCY SENSOR - CEILING MOUNTED. PROVIDE WITH POWER PACK PER MFG REQUIREMENTS.
- OS OCCUPANCY SENSOR - CORNER MOUNTED. PROVIDE WITH POWER PACK PER MFG REQUIREMENTS.
- CONTROL STATION
- CONTACTOR OR RELAY
- PC PHOTOELECTRIC CELL (ON ROOF FACING NORTH UNO)
- TC TIMECLOCK

- CONDUIT/RACEWAY IN WALL OR ABOVE CEILING
- CONDUIT/RACEWAY BELOW GRADE OR BELOW FLOOR
- BREAK OR RUN CONTINUES
- —OH— OVERHEAD SERVICE
- — P — PRIMARY
- — S — SECONDARY
- — C — COMMUNICATIONS OR SIGNAL
- — T — TELEPHONE
- —TV— TELEVISION
- — · — LOW VOLTAGE AND/OR CONTROL WIRING
- EMERGENCY CIRCUIT
- CONDUIT/RACEWAY STUB OUT: MARK AND CAP (SITE)
- CONDUIT/RACEWAY SLEEVE

E = EQUIPMENT
H = ELECTRIC HEAT
K = KITCHEN EQUIP
L = LIGHTING
M = MOTOR
M1 = LARGEST MOTOR
R = RECEPTACLES

- SINGLE RECEPTACLE: 20A, 125V, NEMA 5-20, +18" AFF
- DUPLEX RECEPTACLE: 20A, 125V, NEMA 5-20, +18" AFF
- DUPLEX RECEPTACLE: HALF CONTROLLED DEVICE, +18" AFF
- DUPLEX RECEPTACLE GFI TYPE - 20A, 125V, NEMA 5-20 GFI +18" AFF
- QUAD RECEPTACLE: 20A, 125V, NEMA 5-20, +18" AFF
- ISOLATED GROUND TYPE RECEPTACLE (ORANGE TRIANGLE), 20A, 125V, NEMA 5-20IG, +18" AFF
- COMBO DUAL USB CHARGER / DUPLEX RECEPTACLE, 5.1A, (1) TYPE A & (1) TYPE C USB (3.1, 3.0, 2.0 AND 1.1 COMPATIBLE), 20A, 125V, NEMA 5-20R, +18AFF
- QUAD USB CHARGER, 5.1A, (2) TYPE A & (2) TYPE C USB (3.1, 3.0, 2.0 AND 1.1 COMPATIBLE), +18AFF
- SPECIAL PURPOSE RECEPTACLE: SEE DWGS FOR NEMA CONFIGURATION
- DUPLEX RECEPTACLE: FLOOR MOUNTED
- QUAD RECEPTACLE: FLOOR MOUNTED
- DUPLEX RECEPTACLE: CEILING MOUNTED
- QUAD RECEPTACLE: CEILING MOUNTED
- BLANK GFCI PROTECTIVE DEVICE IN READILY ACCESSIBLE LOCATION (LABEL PROTECTED DEVICES)
- DUPLEX "CLOCK" RECEPTACLE: 125V, NEMA 5-20R, +60" AFF
- X" DEVICE MOUNTED AT NON-STANDARD HEIGHT. IF NO HEIGHT SHOWN VERIFY HEIGHT WITH ARCHITECT
- MULTI-OUTLET ASSEMBLY: SPACING PER DWGS

- DATA / VOICE OUTLET: 18" AFF - 1 VOICE, 1 DATA JACK, 2 BLANKS
- DATA / VOICE OUTLET: FLOOR MOUNTED
- MULTI-OUTLET ASSEMBLY: SPACING PER DWGS
- TELEPHONE OUTLET: 18" AFF
- DATA OUTLET: 18" AFF
- DEVICE MOUNTED AT NON-STANDARD HEIGHT. IF NO HEIGHT SHOWN VERIFY HEIGHT WITH ARCHITECT
- S SPEAKER
- TV TELEVISION OUTLET: 18" AFF (UNO)
- TELEPHONE TERMINAL BOARD (TTB)
- VC VOLUME CONTROL
- GROUNDING BAR

* FIXTURE SCHEDULE HAS PRECEDENCE *

- LENSED TROFFER
- VOLUMETRIC TROFFER
- FLANGED TROFFER
- SURFACE MOUNT TROFFER
- STRIP FIXTURE
- DOWNLIGHT
- WALL PACK
- POLE MOUNT
- EMERGENCY LIGHTING UNIT
- EXIT SIGN FIXTURE - SHADED AREA DENOTES LIGHTED FACE - ARROWS INDICATE DIRECTION
- EMERGENCY CIRCUIT

FIXTURE TAG: F1 7 CIRCUIT TAG; +9'-0" a SWITCH LEG; MOUNTING HEIGHT AFF TYP REFERS TO THAT SPACE ONLY

- T THERMOSTAT (PROVIDED BY MECH. CONTRACTOR UNO)
- J JUNCTION BOX (SIZE AS REQUIRED UNO)
- 3 SHEET NOTE DESIGNATION
- F1 FIXTURE DESIGNATION: F1=TYPE (SEE FIXTURE SCH.)
- 3 REVISION DELTA: NUMBER REPRESENTS REVISION
- 1253 FEEDER DESIGNATION
- AHU 2 EQUIPMENT CONNECTION

- GF GROUND FAULT INTERRUPTER DEVICE
- M METERING DEVICE
- M REMOTE METER
- ST SHUNT TRIP DEVICE
- TRANSFORMER
- CURRENT TRANSFORMER
- G GENERATOR
- # MOTOR - # INDICATES HP
- INTERRUPTER SWITCH
- GFI GROUND FAULT RELAY W/ CT OR SENSOR
- FUSE
- CIRCUIT BREAKER
- DRAWOUT CIRCUIT BREAKER
- A 3 TRANSFER SWITCH (A=AUTOMATIC, M=MANUAL) # FOR POLES 2, 3 OR 4
- SPD SURGE PROTECTION DEVICE

- NORMALLY OPEN (NO) CONTACT
- NORMALLY CLOSED (NC) CONTACT
- C COIL - VOLTAGE PER CONTROL DIAGRAMS
- PILOT LIGHT (LED) PUSH-TO-TEST. LETTER INDICATES COLOR (R=RED, G=GREEN, A=AMBER, Y=YELLOW)
- PILOT LIGHT (LED) NON PUSH-TO-TEST
- THERMAL OVERLOAD
- MAGNETIC OVERLOAD
- PUSH BUTTON NORMALLY OPEN (NO)
- PUSH BUTTON NORMALLY CLOSED (NC)
- H O A HAND-OFF-AUTO (HOA) SELECTOR SWITCH
- LIMIT SWITCH NORMALLY OPEN (NO)
- LIMIT SWITCH NORMALLY CLOSED (NC)
- PUSH BUTTON ILLUMINATED (LED)

TICS = NO. OF #12 WIRES (UNO) IF MORE THAN TWO WITHIN RACEWAY. GROUNDING CONDUCTOR (NOT SHOWN) ALWAYS REQUIRED.
ISOLATED GROUNDING CONDUCTOR
NEUTRAL CONDUCTOR
PHASE CONDUCTOR(S)
BRANCH CIRCUIT (WHEN TIC MARKS ARE NOT SHOWN) = (1) PHASE, (1) NEUTRAL AND (1) GROUNDING CONDUCTOR
HOMERUN TO PANELBOARD OR DEVICE
HA-[1,3,5,3N]G HOMERUN CIRCUIT DESIGNATION
GROUNDING CONDUCTOR
NEUTRAL CONDUCTOR (N=1, 2N=2 NEUTRALS, 3N=3 NEUTRALS)
PHASE CONDUCTOR(S)
PANELBOARD DESIGNATION
HA-[1,3,5]G HOMERUN CIRCUIT DESIGNATION (3 PHASE CIRCUIT SHOWN)
GROUNDING CONDUCTOR
PHASE CONDUCTOR(S)
PANELBOARD DESIGNATION

NOTE: "(E)" IN HOMERUN INDICATES NEW HOMERUN TO EXISTING PANEL

A	AMPS
ADA	AMERICANS WITH DISABILITIES ACT
AFC	AVAILABLE FAULT CURRENT
AFCI	ARC-FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMP INTERRUPTING CAPACITY
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BKR	BREAKER
C	CONDUIT/RACEWAY
CEC	CALIFORNIA ENERGY COMMISSION
CKT	CIRCUIT
CLG	CEILING
CO	CONDUIT/RACEWAY ONLY
CT	CURRENT TRANSFORMER
CU	COPPER
DB	DISTRIBUTION BOARD
DDC	DIRECT DIGITAL CONTROLLER
DPDT	DOUBLE-POLE, DOUBLE-THROW
DPST	DOUBLE-POLE, SINGLE-THROW
DWG	DRAWING
(E)	EXISTING TO REMAIN
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
(F)	FUTURE
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT (STEEL)
FPEN	FUSE PER EQUIP. NAMEPLATE
GFI	GROUND FAULT INTERRUPT
GFR	GROUND FAULT RELAY
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO SWITCH
HP	HORSEPOWER
HSKP	HOUSEKEEPING
IMC	INTERMEDIATE METAL CONDUIT
J-BOX	JUNCTION BOX
K	kcmil (300K = 300 kcmil)
KVA	KILOVOLT AMPS
KW	KILOWATT
LTG	LIGHTING
IG	ISOLATED GROUND
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCULAR MILS
MFG	MANUFACTURER
MLO	MAIN LUGS ONLY
MS	MOTOR STARTER
MSB	MAIN SWITCHBOARD
MTS	MANUAL TRANSFER SWITCH
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHTLIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NVE	NV ENERGY
P	POLE
PH/Ø	PHASE
PV	PHOTOVOLTAIC
PNL	PANEL
PTC	PV USA TEST CONDITIONS
PWR	POWER
(R)	RELOCATE/RELOCATED
(RR)	REMOVE AND REPLACE
RAC	RIGID ALUMINUM CONDUIT
RFC	RIGID FIBERGLASS CONDUIT
RSC	RIGID STEEL CONDUIT
SE	SERVICE ENTRANCE
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE-POLE, DOUBLE-THROW
SPST	SINGLE-POLE, SINGLE-THROW
STC	STANDARD TEST CONDITIONS
SW	SWITCH
TE	TELECOM
TTB	TELEPHONE TERMINATION BOARD
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
UNSW	UNSWITCHED
UPS	UNINTERRUPTED POWER SUPPLY
V	VOLTS
VA	VOLT AMPS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
WP	WEATHER PROOF
(X)	EXISTING TO BE REMOVED
XFMR OR XF	TRANSFORMER

NOTE: THIS IS A MASTER SYMBOL LIST. IT MAY BE THAT NOT ALL SYMBOLS SHOWN ARE USED WITHIN THIS SET OF PLANS. HEIGHTS GIVEN ARE TO TOP OF BOX.

ELECTRICAL DRAWING SCHEDULE

SHEET	DESCRIPTION	
E0.1	ELECTRICAL LEGEND AND DRAWING SCHEDULE	•
E0.2	MEDIUM VOLTAGE DEMOLITION ONELINE DIAGRAM	•
E0.3	MEDIUM VOLTAGE ONELINE DIAGRAM	•
E0.4	ONELINE DIAGRAM	•
E0.5	CAMPUS SERVICE ENTRANCE ONELINE DIAGRAM	•
E0.6	DETAILS	•
E0.7	PANEL SCHEDULES	•
E0.8	PANEL SCHEDULES	•
E0.9	LIGHTING FIXTURE SCHEDULE & IECC CALCULATIONS	•
E1.1	OVERALL ELECTRICAL SITE PLAN	•
E1.2	ELECTRICAL DEMOLITION SITE PLAN	•
E1.3	ELECTRICAL SITE PLAN	•
E1.4	OVERALL ELECTRICAL PLAN	•
E2.1A	LIGHTING PLAN AREA A	•
E2.1B	LIGHTING PLAN AREA B	•
E3.1A	POWER PLAN AREA A	•
E3.1B	POWER PLAN AREA B	•
E3.2	ROOF POWER PLAN	•
E4.1	ENLARGED ELECTRICAL PLANS	•
E4.2	ENLARGED FOOD SERVICE ELECTRICAL PLAN	•
E4.3	ENLARGED FOOD SERVICE ELECTRICAL PLAN	•
E4.4	ENLARGED FOOD SERVICE ELECTRICAL PLAN	•
E4.5	ENLARGED FOOD SERVICE ELECTRICAL PLAN	•
E4.6	ENLARGED LAUNDRY EQUIPMENT ELECTRICAL PLAN	•
E5.1A	FIRE ALARM PLAN AREA A	•
E5.1B	FIRE ALARM PLAN AREA B	•
E6.1	ENLARGED PV ARRAY PLAN	•
TOTAL SHEETS IN ISSUE: 27		

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
ELECTRICAL LEGEND AND DRAWING SCHEDULE

job number
25015

date
OCTOBER 26, 2026

drawing number
E0.1

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10/26/26

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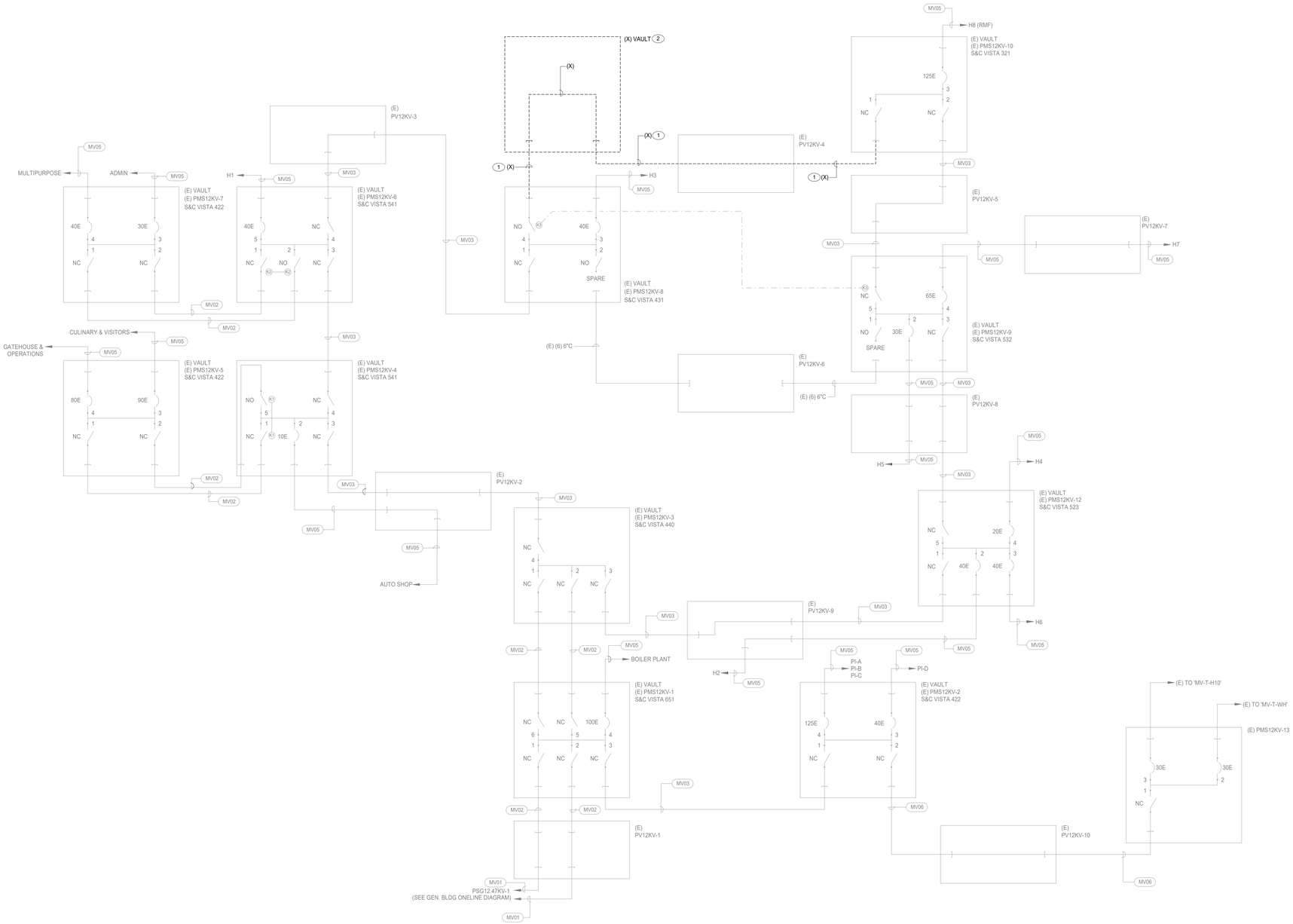
GENERAL NOTES

1. (X) AND/OR DASHED LINES INDICATE EXISTING EQUIPMENT TO BE REMOVED, (E) AND/OR SOLID LINES INDICATE EXISTING EQUIPMENT TO REMAIN UNLESS NOTED OTHERWISE.
2. SALVAGEABLE ITEMS REMOVED DURING DEMOLITION SHALL BE OFFERED TO OWNER PRIOR TO DISPOSAL OR REMOVAL FROM SITE.

SHEET NOTES

(1) REMOVE CABLE END TO END WHERE SHOWN. MAINTAIN CONDUIT FOR RECONNECTION AND EXTENSION. SEE NEW WORK PLANS AND ONELINE DIAGRAM.

(2) EXISTING PAD MOUNT SWITCH VAULT TO BE REMOVED. SEE SITE PLAN.



MEDIUM VOLTAGE DEMOLITION ONELINE DIAGRAM

1 / E0.2

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CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
MEDIUM VOLTAGE DEMOLITION ONELINE DIAGRAM

job number
25015

date
OCTOBER 26, 2026

drawing number
E0.2

FEEDER SCHEDULE (15KV, 3PH, 3W)

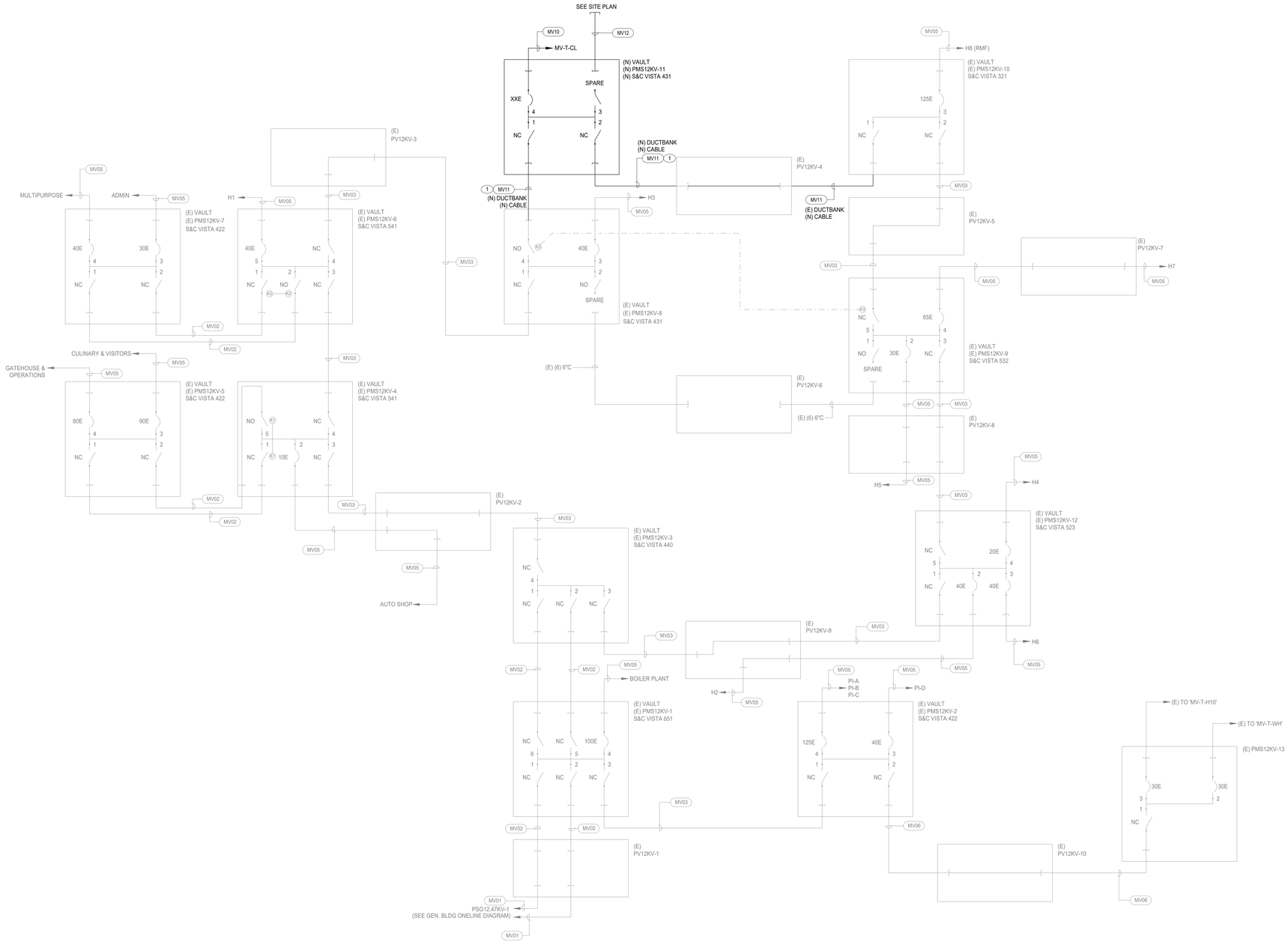
FEEDER	WIRE (CU)	INSULATION	BOND (600V CU)	CONDUIT
MV01	(3) #350MCM	15KV, 133%, MV-105 EPR	#6 THW	(E) (3) 6"C (2 SPARE)
MV02	(3) #350MCM	15KV, 133%, MV-105 EPR	#6 THW	(E) (3) 6"C (2 SPARE)
MV03	(3) #350MCM	15KV, 133%, MV-105 EPR	#6 THW	(E) (6) 6"C (5 SPARE)
MV04	(3) #1/0	15KV, 133%, MV-105 EPR	#6 THW	(E) (2) 6"C (1 SPARE)
MV05	(3) #1/0	15KV, 133%, MV-105 EPR	#6 THW	(E) (2) 6"C (1 SPARE)
MV06	(3) #350MCM	15KV, 133%, MV-105 EPR	#6 THW	(E) (2) 6"C (1 SPARE)
MV07	(3) #350MCM	15KV, 133%, MV-105 EPR	#6 THW	(E) (2) 6"C (1 SPARE)
MV08	(3) #350MCM	15KV, 133%, MV-105 EPR	#6 THW	(E) (2) 4"C (1 SPARE)
MV09	(3) #1/0	15KV, 133%, MV-105 EPR	#6 THW	(E) (1) 6"C (0 SPARE)
MV10	**(3) #1/0**	**15KV, 133%, MV-105 EPR**	**#6 THW**	**(N) (2) 6"C (1 SPARE)**
MV11	**(3) #350MCM**	**15KV, 133%, MV-105 EPR**	**#6 THW**	**(N) (6) 6"C (5 SPARE)**
MV12	-	-	-	(N) (6) 6"C (6 SPARE)

GENERAL NOTES

1. (E) AND/OR HALFTONE LINES INDICATE EXISTING EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
2. 15kV CABLE SHALL BE CONTINUOUS FROM END TO END. SPLICES WILL NOT BE CONSIDERED.

SHEET NOTES

(1) INTERCEPT EXISTING MEDIUM VOLTAGE DUCTBANK FOR RE-ROUTING TO NEW SWITCH LOCATION. SEE SITE PLAN. EXTEND DUCT BANK AS REQUIRED. SEE DETAILS AND SCHEDULE.



1 E0.3 MEDIUM VOLTAGE ONELINE DIAGRAM

Not To Scale

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
MEDIUM VOLTAGE ONELINE DIAGRAM

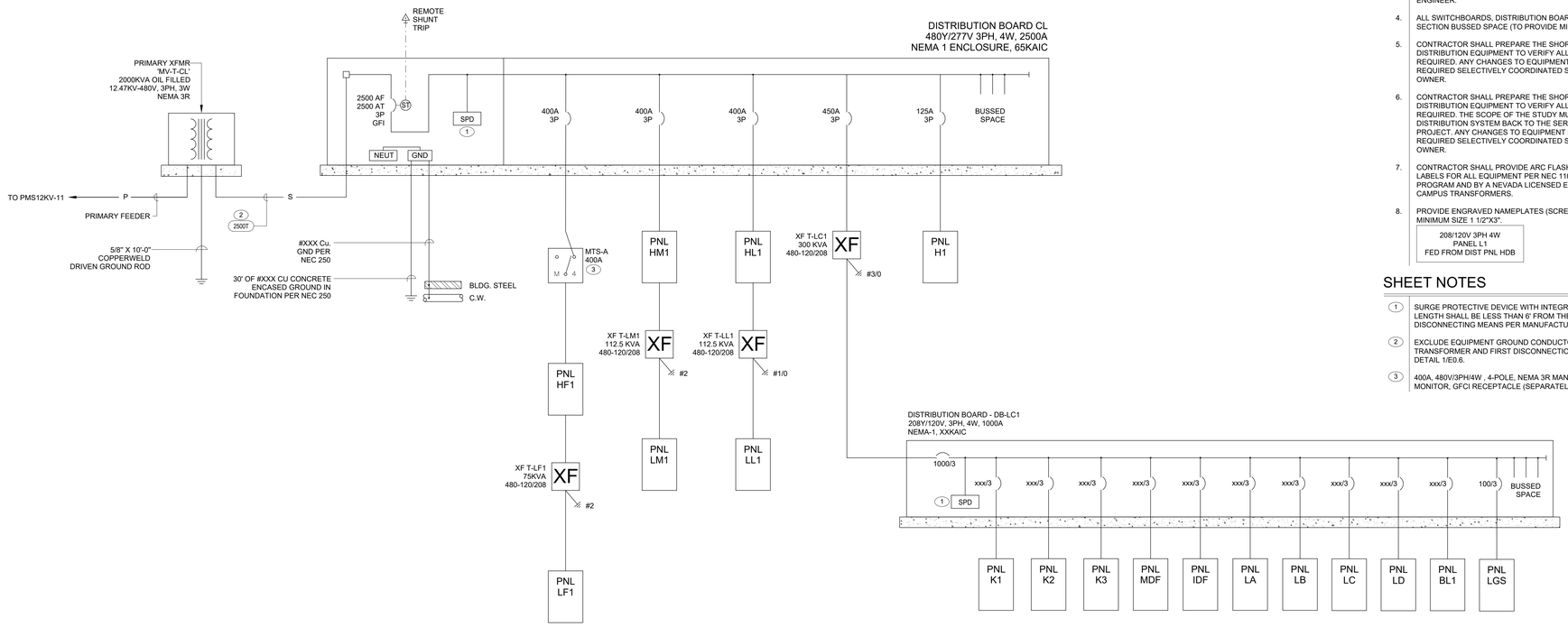
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date
OCTOBER 26, 2026

drawing number
E0.3

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10/26/26

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1 E0.4 ONELINE DIAGRAM

Not To Scale

GENERAL NOTES

1. PANELBOARD AND BREAKER INTERRUPTING CAPACITIES (AIC) SHALL BE FULLY RATED AS AN ASSEMBLY. SERIES RATING OF BREAKER DEVICES AND EQUIPMENT IS NOT PERMITTED.ALL CONDUCTOR SIZES ARE BASED ON COPPER. ALUMINUM IS NOT PERMITTED.
2. ALL CONTRACTOR PROVIDED EQUIPMENT SHALL COMPLY WITH NV ENERGY SPECIFICATIONS AND REQUIREMENTS.
3. DO NOT SPLICE FEEDER CONDUCTORS UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE ENGINEER.
4. ALL SWITCHBOARDS, DISTRIBUTION BOARDS, AND PANEL BOARDS SHALL HAVE REMAINDER OF SECTION BUSSED SPACE (TO PROVIDE MINIMUM OF 10% SPARE CAPACITY).
5. CONTRACTOR SHALL PREPARE THE SHORT CIRCUIT AND COORDINATION STUDY PRIOR TO ORDERING DISTRIBUTION EQUIPMENT TO VERIFY ALL EQUIPMENT RATINGS, BREAKER TYPES, AND SETTINGS REQUIRED. ANY CHANGES TO EQUIPMENT RATINGS OR BREAKER TYPES IN ORDER TO PROVIDE A CODE REQUIRED SELECTIVELY COORDINATED SYSTEM SHALL NOT RESULT IN ADDITIONAL COST TO THE OWNER.
6. CONTRACTOR SHALL PREPARE THE SHORT CIRCUIT AND COORDINATION STUDY PRIOR TO ORDERING DISTRIBUTION EQUIPMENT TO VERIFY ALL EQUIPMENT RATINGS, BREAKER TYPES, AND SETTINGS REQUIRED. THE SCOPE OF THE STUDY MUST INCLUDE ALL UPSTREAM BRANCHES OF THE DISTRIBUTION SYSTEM BACK TO THE SERVICE ENTRANCE, EVEN IF NOT BEING MODIFIED BY THIS PROJECT. ANY CHANGES TO EQUIPMENT RATINGS OR BREAKER TYPES IN ORDER TO PROVIDE A CODE REQUIRED SELECTIVELY COORDINATED SYSTEM SHALL NOT RESULT IN ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR SHALL PROVIDE ARC FLASH STUDY IN ACCORDANCE WITH NFPA 70E AND INSTALL LABELS FOR ALL EQUIPMENT PER NEC 110.6. PERFORM STUDY WITH AID OF COMPUTER SOFTWARE PROGRAM AND BY A NEVADA LICENSED ELECTRICAL ENGINEER. OBTAIN ACTUAL FAULT DUTY AT CAMPUS TRANSFORMERS.
8. PROVIDE ENGRAVED NAMEPLATES (SCREW ATTACHED) ON ALL PANELS SIMILAR TO THE FOLLOWING. MINIMUM SIZE 1 1/2"X3".

208/120V 3PH 4W PANEL L1 FED FROM DIST PNL HDB

SHEET NOTES

1. SURGE PROTECTIVE DEVICE WITH INTEGRAL DISCONNECT. SEE SPEC SECTION 263556. FEEDER LENGTH SHALL BE LESS THAN 6' FROM THE BUS OR AS REQUIRED BY MANUFACTURER. PROVIDE DISCONNECTING MEANS PER MANUFACTURER.
2. EXCLUDE EQUIPMENT GROUND CONDUCTOR IN FEEDER AND PROVIDE BONDING JUMPER AT TRANSFORMER AND FIRST DISCONNECTION MEANS PER NEC 250.30(A)(1) EXCEPTION #2. REFER TO DETAIL 1/E0.6.
3. 400A, 480V/3PH/4W , 4-POLE, NEMA 3R MANUAL TRANSFER SWITCH. PROVIDE WITH PHASE ROTATION MONITOR, GFCI RECEPTACLE (SEPARATELY POWERED), CAM LOCK CONNECTIONS TO GENSET.

FEEDER SCHEDULE (600V, 3PH, 4W)

FEEDER	AMPERE	WIRE (CU)	BOND (CU)	CONDUIT
154	15	(4) 12	12	3/4"
204	20	(4) 12	12	3/4"
304	30	(4) 10	10	3/4"
404	40	(4) 8	10	1"
504	50	(4) 6	10	1"
604	60	(4) 4	10	1 1/4"
704	70	(4) 4	8	1 1/4"
804	80	(4) 3	8	1 1/4"
1004	100	(4) 1	8	1 1/2"
1254	125	(4) 1	6	2"
1504	150	(4) 1/0	6	2"
1754	175	(4) 2/0	6	2"
2004	200	(4) 3/0	6	2"
2254	225	(4) 4/0	4	2 1/2"
2504	250	(4) 250K	4	2 1/2"
3004	300	(4) 350K	3	3"
3504	350	(4) 400K	3	3"
4004	400	(4) 500K	3	4"
5004	500	(8) 250K	(2) 2	(2) 2 1/2"
6004	600	(8) 350K	(2) 1	(2) 3"
8004	800	(8) 500K	(2) 1/0	(2) 4"
10004	1000	(12) 400K	(3) 2/0	(3) 3"
12004	1200	(12) 600K	(3) 3/0	(3) 4"
16004	1600	(16) 600K	(4) 4/0	(4) 4"
20004	2000	(20) 600K	(5) 250K	(5) 4"
25004	2500	(24) 600K	(6) 350K	(6) 4"
30004	3000	(32) 600K	(8) 400K	(8) 4"
40004	4000	(40) 600K	(10) 500K	(10) 4"

FEEDER SCHEDULE (XFMR SECONDARY)(600V, 3PH, 4W)

FEEDER	AMPERE	WIRE (CU)	SSBJ (CU)	CONDUIT
154T	15	(4) 12	8	3/4"
204T	20	(4) 12	8	3/4"
304T	30	(4) 10	8	3/4"
404T	40	(4) 8	8	1"
504T	50	(4) 6	8	1"
604T	60	(4) 4	8	1 1/4"
704T	70	(4) 4	8	1 1/4"
804T	80	(4) 3	8	1 1/4"
1004T	100	(4) 2	8	1 1/2"
1254T	125	(4) 1	6	1 1/2"
1504T	150	(4) 1/0	6	2"
1754T	175	(4) 2/0	4	2"
2004T	200	(4) 3/0	2	2"
2254T	225	(4) 4/0	2	2 1/2"
2504T	250	(4) 250K	2	2 1/2"
3004T	300	(4) 350K	1/0	3"
3504T	350	(4) 400K	1/0	3"
4004T	400	(4) 600K	2/0	4"
5004T	500	(8) 250K	(2) 1/0	(2) 2 1/2"
6004T	600	(8) 350K	(2) 2/0	(2) 3"
8004T	800	(8) 600K	(2) 2/0	(2) 4"
10004T	1000	(12) 400K	(3) 2/0	(3) 3"
12004T	1200	(12) 600K	(3) 3/0	(3) 4"
16004T	1600	(16) 600K	(4) 4/0	(4) 4"
20004T	2000	(20) 600K	(5) 250K	(5) 4"
25004T	2500	(24) 600K	(6) 350K	(6) 4"
30004T	3000	(32) 600K	(8) 400K	(8) 4"
40004T	4000	(40) 600K	(10) 500K	(10) 4"

Load Calculation: Distribution Board DB-LC1

Description	Lighting	Receptacle	Equipment	Motor	Kitchen	Heating	Remarks
K1			0				
K2			0				
K3			0				
MDF			0				
IDF			0				
LA				24,585 VA			
LB				20,854 VA			
LC				15,954 VA			
LD			1,600	17,659 VA			
BL1			0				
LGS			0				
Total Connected Loads:			1,600 VA	79,052 VA			80,652 VA

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42	0 VA	0.00%	0 VA
R	Receptacle	NEC 220.44	0 VA	0.00%	0 VA
E	Equipment		1600 VA	100.00%	1600 VA
M	Motor	NEC 430.24	79052 VA	102.47%	81002 VA
K	Kitchen	NEC 220.56	0 VA	0.00%	0 VA
H	Heating	NEC 220.51	0 VA	0.00%	0 VA

Load Totals
Total Connected Load: 80,652 VA
Total Demand Load: 82,602 VA
120/208 Wye System Current
Connected Amps: 224 A
Demand Amps: 229 A

Notes:

Load Calculation: Distribution Board DB-CL

Description	Lighting	Receptacle	Equipment	Motor	Kitchen	Heating	Remarks
HF1			0	120,911 VA			
HM1		180		126,836 VA			
HL1		180		2,496 VA			
T-LC1			1,600	79,052 VA			
H1			0				
Total Connected Loads:		360 VA	1,600 VA	329,295 VA			331,255 VA

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42	0 VA	0.00%	0 VA
R	Receptacle	NEC 220.44	360 VA	100.00%	360 VA
E	Equipment		1600 VA	100.00%	1600 VA
M	Motor	NEC 430.24	329295 VA	103.72%	341552 VA
K	Kitchen	NEC 220.56	0 VA	0.00%	0 VA
H	Heating	NEC 220.51	0 VA	0.00%	0 VA

Load Totals
Total Connected Load: 331,255 VA
Total Demand Load: 343,512 VA
480/277 Wye System Current
Connected Amps: 398 A
Demand Amps: 413 A

Notes:

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
ONELINE DIAGRAM

job number
25015

date
OCTOBER 26, 2026

drawing number
E0.4

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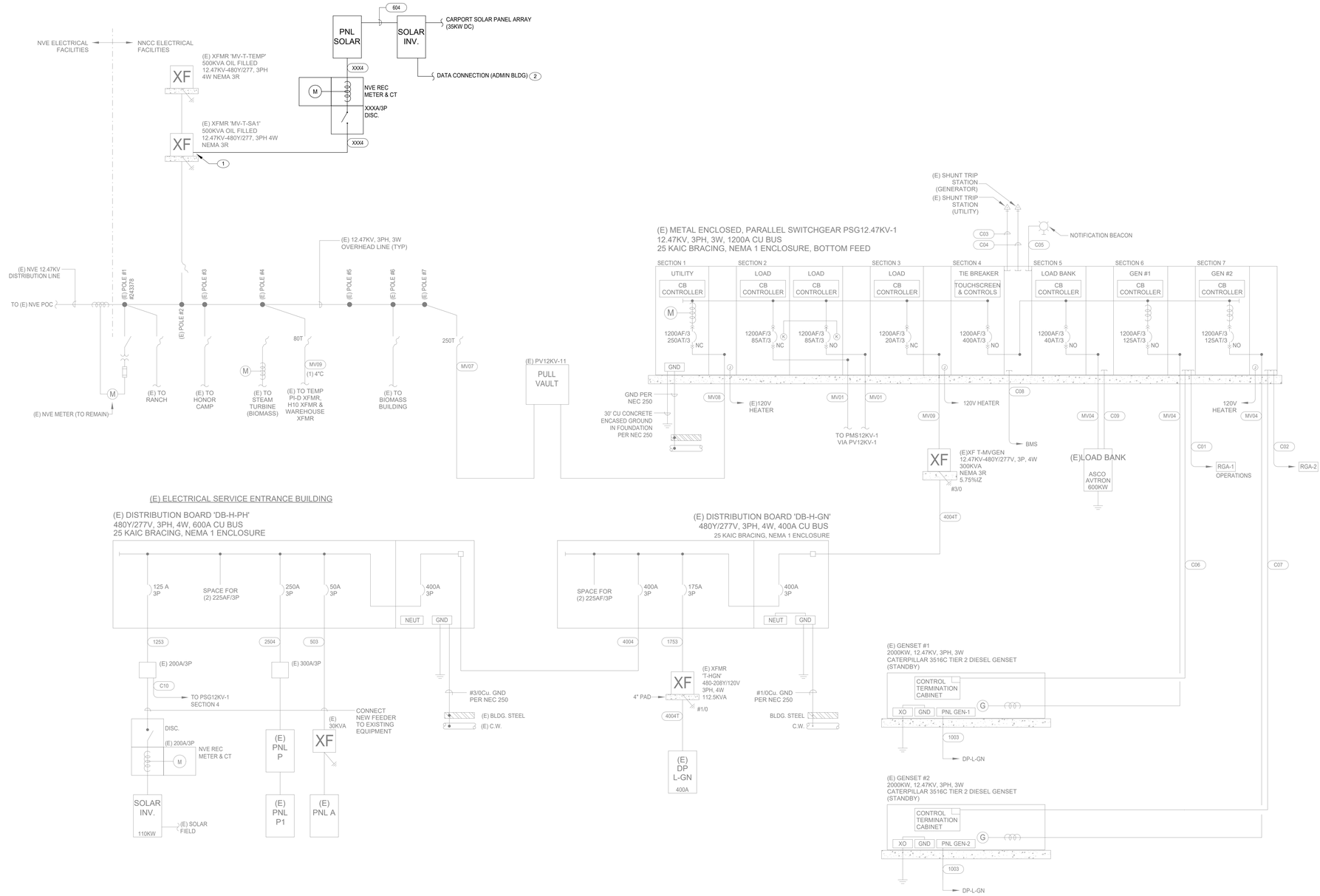
GENERAL NOTES

1. (E) AND/OR HALFTONE LINES INDICATE EXISTING EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.

SHEET NOTES

(1) CONTRACTOR TO UNDERMINE EXISTING MEDIUM VOLTAGE TRANSFORMER SECONDARY WINDOW AND INSTALL CONDUIT AND CONDUCTORS AS SHOWN.

(2) ROUTE 1" C. W/ OUTDOOR RATED CAT6 CABLE FROM ADMIN BUILDING SERVER RACK TO PV INVERTER FOR MONITORING.



1 E0.5 CAMPUS SERVICE ENTRANCEONELINE DIAGRAM

Not To Scale

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
CAMPUS SERVICE ENTRANCE ONELINE DIAGRAM

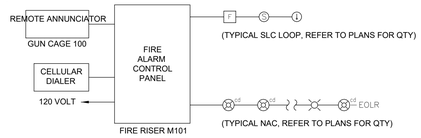
job number
25015

date
OCTOBER 26, 2026

drawing number
E0.5

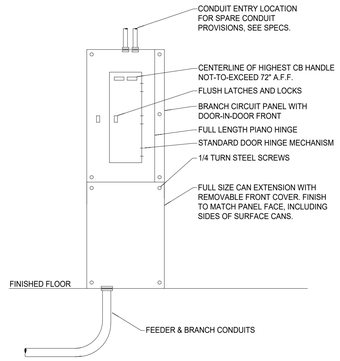
ONELINE DIAGRAM NOTES

1. ONELINE DIAGRAM IS FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE A ONELINE DIAGRAM THAT SHOWS ALL DEVICES, AS THEY ARE CONNECTED ON THE FLOOR PLAN.
2. PROVIDE AND INSTALL A COMPLETE DESIGN/BUILD ADDRESSABLE FIRE ALARM SYSTEM. REFERENCE ALL MECHANICAL AND ARCHITECTURAL DRAWINGS.
3. PROVIDE CELLULAR DIALER AND CONNECTION TO FACP. COORDINATE MONITORING REQUIREMENTS WITH OWNER PRIOR TO START OF PROJECT. DIALER SHALL BE COMPATIBLE WITH AHJ REQUIREMENTS.



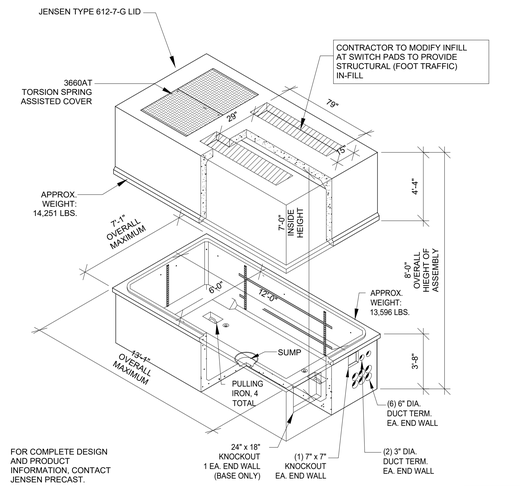
6 / E0.6 — FIRE ALARM SYSTEM ONELINE DIAGRAM

SCALE: NONE



4 / E0.6 — SURFACE MOUNTED PANEL DETAIL

SCALE: NONE

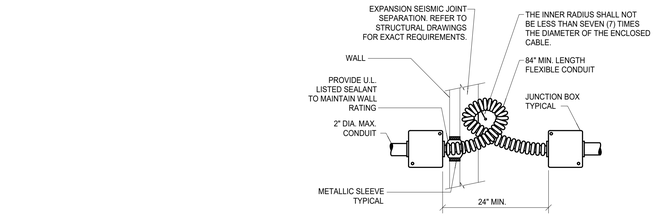


FOR COMPLETE DESIGN AND PRODUCT INFORMATION, CONTACT JENSEN PRECAST.

DETAIL PROVIDED FOR BOTH REFERENCE OF EXISTING INSTALLATION AND GUIDANCE FOR INSTALLATION WHERE SHOWN AS NEW.

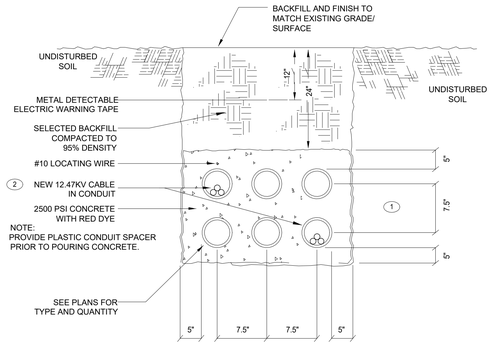
2 / E0.6 — SWITCHPAD VAULT DETAIL - 612-7-G

SCALE:



5 / E0.6 — CONDUIT CROSSING SEISMIC JOINT

SCALE: NONE RW-001



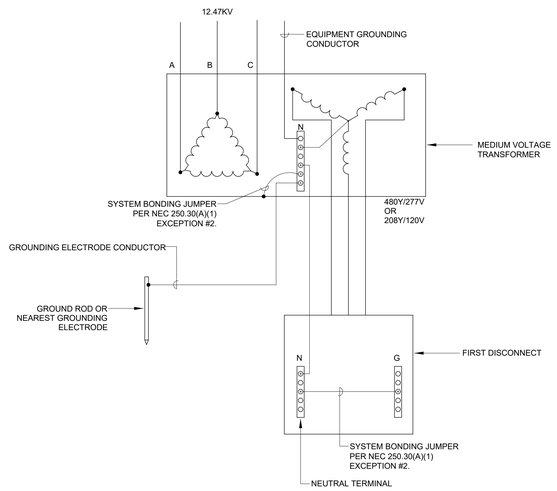
DETAIL PROVIDED FOR BOTH REFERENCE OF EXISTING INSTALLATION AND GUIDANCE FOR INSTALLATION WHERE SHOWN AS NEW.

NOTES

1. MODIFY/ADJUST TRENCH CONSTRUCTION TO ACCOMMODATE QUANTITY OF CONDUITS.
2. WHERE TWO MEDIUM VOLTAGE FEEDERS OCCUR IN THE SAME DUCT BANK, INSTALL CONDUCTORS IN OPPOSING DUCTS AS SHOWN.

3 / E0.6 — MEDIUM VOLTAGE (12.47 kV) DUCT BANK (TYP)

SCALE: NONE



1 / E0.6 — MEDIUM VOLTAGE TRANSFORMER GROUNDING

SCALE: NONE

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
DETAILS

job number
25015

date
OCTOBER 26, 2026

drawing number
E0.6

Panel: BL1 — Location: ELECTRICAL E101

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
					1				2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

	Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44			
E	Equipment				
M	Motor	NEC 430.24			
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 0 VA
Total Demand Load: 0 VA
120/208 Wye System Current
Connected Amps: 0 A
Demand Amps: 0 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	225	**Ground**	Standard	**Notes:**	
Voltage	120/208 Wye	**Mounting**	Surface		
Phase	3	**Enclosure**	NEMA 1		
Wire	4	**# of 1-Pole Circuits**	42		
Lugs		**Neutral**	100.00%		
Breaker AIC Rating		**Feeder OCPD Size**			

Panel: LF1 — Location: ELECTRICAL E101

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
					1				2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

	Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44			
E	Equipment				
M	Motor	NEC 430.24			
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 0 VA
Total Demand Load: 0 VA
120/208 Wye System Current
Connected Amps: 0 A
Demand Amps: 0 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	100	**Ground**	Standard	**Notes:**	
Voltage	120/208 Wye	**Mounting**	Surface		
Phase	3	**Enclosure**	NEMA 1		
Wire	4	**# of 1-Pole Circuits**	42		
Lugs		**Neutral**	100.00%		
Breaker AIC Rating		**Feeder OCPD Size**			

Panel: HF1 — Location: ELECTRICAL E101

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
M	M		20	3	1	7895			2					
					3		7895		4					
					5			7895	6					
M	M		20	3	7	11135			8					
					9		11135		10					
					11			11135	12					
M	M		20	3	13	16343			14					
					15		16343		16					
					17			16343	18					
M	M		20	3	19	4931			20					
					21		4931		22					
					23			4931	24					
E	T-LF1		20	3	25	0			26					
					27		0		28					
					29			0	30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
				Total Load:		40,304 VA	40,304 VA	40,304 VA						
				Total Amps:		146 A	146 A	146 A						

	Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44			
E	Equipment		0 VA	Not Computed	0 VA
M	Motor	NEC 430.24	120,911 VA	110.14%	133,168 VA
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 120,911 VA
Total Demand Load: 133,168 VA
480/277 Wye System Current
Connected Amps: 145 A
Demand Amps: 160 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	225	**Ground**	Standard	**Notes:**	
Voltage	480/277 Wye	**Mounting**	Surface		
Phase	3	**Enclosure**	NEMA 1		
Wire	4	**# of 1-Pole Circuits**	42		
Lugs		**Neutral**	100.00%		
Breaker AIC Rating		**Feeder OCPD Size**			

Panel: LGS — Location:

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
					1				2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

	Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44			
E	Equipment				
M	Motor	NEC 430.24			
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 0 VA
Total Demand Load: 0 VA
120/208 Wye System Current
Connected Amps: 0 A
Demand Amps: 0 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	100	**Ground**	Standard	**Notes:**	
Voltage	120/208 Wye	**Mounting**	Surface		
Phase	3	**Enclosure**	NEMA 1		
Wire	4	**# of 1-Pole Circuits**	42		
Lugs		**Neutral**	100.00%		
Breaker AIC Rating		**Feeder OCPD Size**			

Panel: LM1 — Location: MECHANICAL M100

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
M	M		20	3	1	180			2					
					3		180		4					
					5			180	6					
M	M		20	3	7	180			8					
					9		180		10					
					11			180	12					
M	M		20	1	13	425			14					
M	M		20	1	15		180		16					
M	M		20	1	17			500	18					
M	M		20	1	19	500			20					
R	R		20	1	21		180		22					
M	M		20	1	23			0	24					
M	M		20	1	25	0			26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
				Total Load:		1,285 VA	720 VA	860 VA						
				Total Amps:		11 A	6 A	7 A						

	Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44	180 VA	100.00%	180 VA
E	Equipment				
M	Motor	NEC 430.24	2,685 VA	105.03%	2,820 VA
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 2,865 VA
Total Demand Load: 3,000 VA
120/208 Wye System Current
Connected Amps: 8 A
Demand Amps: 8 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	225	**Ground**	Standard	**Notes:**	
Voltage	120/208 Wye	**Mounting**	Surface		
Phase	3	**Enclosure**	NEMA 1		
Wire	4	**# of 1-Pole Circuits**	42		
Lugs		**Neutral**	100.00%		
Breaker AIC Rating		**Feeder OCPD Size**			

Panel: HM1 — Location: MECHANICAL M100

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
M	M		20	3	1	4931			2					
					3		4931		4					
					5			4931	6					
M	M		20	3	7	4931			8					
					9		4931		10					
					11			4931	12					
M	M		20	3	13	11135			14					
					15		11135		16					
					17			11135	18					
M	M		20	3	19	9363			20					
					21		9363		22					
					23			9363	24					
M	M		20	3	25	9972			26					
					27		9972		28					
					29			9972	30					
M	M		20	3	31	1053			32					
					33		1053		34					
					35			1053	36					
R; M	T-LM1		20	3	37	1285			38					
					39		720		40					
					41			860	42					
				Total Load:		42,669 VA	42,104 VA	42,244 VA						
				Total Amps:		154 A	152 A	153 A						

	Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44	180 VA	100.00%	180 VA
E	Equipment				
M	Motor	NEC 430.24	126,836 VA	106.58%	135,188 VA
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 127,016 VA
Total Demand Load: 135,368 VA
480/277 Wye System Current
Connected Amps: 153 A
Demand Amps: 163 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	400	**Ground**	Standard	**Notes:**	
Voltage	480/277 Wye	**Mounting**	Surface		
Phase	3	**Enclosure**	NEMA 1		
Wire	4	**# of 1-Pole Circuits**	42		
Lugs		**Neutral**	100.00%		
Breaker AIC Rating		**Feeder OCPD Size**			

Panel: LL1 — Location: LAUNDRY 133

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
R	R		20	1	1	180			2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
				Total Load:		180 VA	0 VA	0 VA						
				Total Amps:		2 A	0 A	0 A						

	Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44	180 VA	100.00%	180 VA
E	Equipment				
M	Motor	NEC 430.24			
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 180 VA
Total Demand Load: 180 VA
120/208 Wye System Current
Connected Amps: 0 A
Demand Amps: 0 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	225	**Ground**	Standard	**Notes:**	
Voltage	120/208 Wye	**Mounting**	Surface		
Phase	3	**Enclosure**	NEMA 1		
Wire	4	**# of 1-Pole Circuits**	42		
Lugs		**Neutral**	100.00%		
Breaker AIC Rating		**Feeder OCPD Size**			

Panel: H1 — Location: ELECTRICAL E100

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
					1				2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

	Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44			
E	Equipment				
M	Motor	NEC 430.24			
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 0 VA
Total Demand Load: 0 VA
480/277 Wye System Current
Connected Amps: 0 A
Demand Amps: 0 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	100	**Ground**	Standard	**Notes:**	
Voltage	480/277 Wye	**Mounting**	Surface		
Phase	3	**Enclosure**	NEMA 1		
Wire	4	**# of 1-Pole Circuits**	42		
Lugs		**Neutral**	100.00%		
Breaker AIC Rating		**Feeder OCPD Size**			

Panel: HL1 — Location: LAUNDRY 133

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
					1	180			2					
R	T-LL1		20	3	3		0		4					
					5			0	6					
					7	832			8					
M	M		20	3	9		832		10					
					11			832	12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
				Total Load:		1,012 VA	832 VA	832 VA						
				Total Amps:		4 A	3 A	3 A						

	Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44	180 VA	100.00%	180 VA
E	Equipment				
M	Motor	NEC 430.24	2,496 VA	125.00%	3,120 VA
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 2,676 VA
Total Demand Load: 3,300 VA
480/277 Wye System Current
Connected Amps: 3 A
Demand Amps: 4 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	225	**Ground**	Standard	**Notes:**	
Voltage	480/277 Wye	**Mounting**	Surface		
Phase	3	**Enclosure**	NEMA 1		
Wire	4	**# of 1-Pole Circuits**	42		
Lugs		**Neutral**	100.00%		
Breaker AIC Rating		**Feeder OCPD Size**			

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
PANEL SCHEDULES

job number
25015

date
OCTOBER 26, 2026

drawing number
E0.7

BL1	LF1	HF1
LGS	LM1	HM1
LL1	H1	HL1

PRELIMINARY
NOT FOR CONSTRUCTION
10/26/26

10/26/2026 3:59:27 PM

Panel: LD — Location: ELECTRICAL E100

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
M	M		20	2	1	2226			2					
					3		2226		4					
M	M		20	2	5			3900	6					
					7	3900			8					
M	M		20	2	9		2288		10					
					11			2288	12					
M	M		20	2	13	416			14					
					15		416		16					
E	E		20	1	17			1600	18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
					Total Load:	6,542 VA	4,930 VA	7,788 VA						
					Total Amps:	57 A	41 A	67 A						

Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L Lighting	NEC 220.42			
R Receptacle	NEC 220.44			
E Equipment		1,600 VA	100.00%	1,600 VA
M Motor	NEC 430.24	17,659 VA	111.04%	19,609 VA
K Kitchen	NEC 220.56			
H Heating	NEC 220.51			

Load Totals
Total Connected Load: 19,259 VA
Total Demand Load: 21,209 VA
120/208 Wye System Current
Connected Amps: 53 A
Demand Amps: 59 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	225	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

Panel: LA — Location: ELECTRICAL E102

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
M	M		20	2	1	1248	177		2	2	20		M	M
					3		1248	177	4					
M	M		20	2	5			156	416	6	2	20		M	M
					7	156	416		8					
M	M		20	2	9		1695	0	10	2	20		M	M
					11			1695	0	12				
M	M		20	2	13	1695			14					
					15		1695		16					
M	M		20	2	17			416	18					
					19	416			20					
M	M		20	2	21		156		22					
					23			156	24					
M	M		20	2	25	1248			26					
					27		1248		28					
M	M		20	2	29			1695	30					
					31	1695			32					
M	M		20	2	33		1695		34					
					35			1695	36					
M	M		20	2	37	1695			38					
					39		1695		40					
					41				42					
					Total Load:	8,746 VA	9,609 VA	6,230 VA						
					Total Amps:	76 A	83 A	52 A						

Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L Lighting	NEC 220.42			
R Receptacle	NEC 220.44			
E Equipment				
M Motor	NEC 430.24	24,585 VA	103.45%	25,433 VA
K Kitchen	NEC 220.56			
H Heating	NEC 220.51			

Load Totals
Total Connected Load: 24,585 VA
Total Demand Load: 25,433 VA
120/208 Wye System Current
Connected Amps: 68 A
Demand Amps: 71 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	100	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

Panel: K3 — Location: ELECTRICAL E102

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
					1				2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
					Total Load:	0 VA	0 VA	0 VA						
					Total Amps:	0 A	0 A	0 A						

Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L Lighting	NEC 220.42			
R Receptacle	NEC 220.44			
E Equipment				
M Motor	NEC 430.24			
K Kitchen	NEC 220.56			
H Heating	NEC 220.51			

Load Totals
Total Connected Load: 0 VA
Total Demand Load: 0 VA
120/208 Wye System Current
Connected Amps: 0 A
Demand Amps: 0 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	225	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

Panel: LC — Location: ELECTRICAL E101

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
M	M		20	2	1	1248			2					
					3		1248		4					
M	M		20	2	5			1248	6					
					7	1248			8					
M	M		20	2	9		2226		10					
					11			2226	12					
M	M		20	2	13	2288			14					
					15		2288		16					
M	M		20	2	17			967	18					
					19	967			20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
					Total Load:	5,751 VA	5,762 VA	4,441 VA						
					Total Amps:	50 A	50 A	37 A						

Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L Lighting	NEC 220.42			
R Receptacle	NEC 220.44			
E Equipment				
M Motor	NEC 430.24	15,954 VA	107.17%	17,098 VA
K Kitchen	NEC 220.56			
H Heating	NEC 220.51			

Load Totals
Total Connected Load: 15,954 VA
Total Demand Load: 17,098 VA
120/208 Wye System Current
Connected Amps: 44 A
Demand Amps: 47 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	225	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

Panel: IDF — Location: TELECOM T101

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
					1				2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
					Total Load:	0 VA	0 VA	0 VA						
					Total Amps:	0 A	0 A	0 A						

Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L Lighting	NEC 220.42			
R Receptacle	NEC 220.44			
E Equipment				
M Motor	NEC 430.24			
K Kitchen	NEC 220.56			
H Heating	NEC 220.51			

Load Totals
Total Connected Load: 0 VA
Total Demand Load: 0 VA
120/208 Wye System Current
Connected Amps: 0 A
Demand Amps: 0 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	100	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

Panel: K2 — Location: ELECTRICAL E102

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
					1				2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
					Total Load:	0 VA	0 VA	0 VA						
					Total Amps:	0 A	0 A	0 A						

Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L Lighting	NEC 220.42			
R Receptacle	NEC 220.44			
E Equipment				
M Motor	NEC 430.24			
K Kitchen	NEC 220.56			
H Heating	NEC 220.51			

Load Totals
Total Connected Load: 0 VA
Total Demand Load: 0 VA
120/208 Wye System Current
Connected Amps: 0 A
Demand Amps: 0 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	225	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

Panel: LB — Location: GUN CAGE 100

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
M	M		20	2	1	1404			2					
					3		1404		4					
M	M		20	2	5			1248	6					
					7	1248			8					
M	M		20	2	9		1248		10					
					11			1248	12					
M	M		20	2	13	416			14					
					15		416		16					
M	M		20	2	17			416	18					
					19	416			20					
M	M		20	2	21		1695		22					
					23			1695	24					
M	M		20	2	25	2000			26					
					27		2000		28					
M	M		20	2	29			2000	30					
					31	2000			32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
					Total Load:	7,484 VA	6,763 VA	6,607 VA						
					Total Amps:	63 A	57 A	55 A						

Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L Lighting	NEC 220.42			
R Receptacle	NEC 220.44			
E Equipment				
M Motor	NEC 430.24	20,854 VA	104.80%	21,854 VA
K Kitchen	NEC 220.56			
H Heating	NEC 220.51			

Load Totals
Total Connected Load: 20,854 VA
Total Demand Load: 21,854 VA
120/208 Wye System Current
Connected Amps: 58 A
Demand Amps: 61 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	100	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

Panel: MDF — Location: TELECOM T100

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
					1				2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
					Total Load:	0 VA	0 VA	0 VA						
					Total Amps:	0 A	0 A	0 A						

Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L Lighting	NEC 220.42			
R Receptacle	NEC 220.44			
E Equipment				
M Motor	NEC 430.24			
K Kitchen	NEC 220.56			
H Heating	NEC 220.51			

Load Totals
Total Connected Load: 0 VA
Total Demand Load: 0 VA
120/208 Wye System Current
Connected Amps: 0 A
Demand Amps: 0 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	100	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

Panel: K1 — Location: ELECTRICAL E102

Type*	Description	Key**	Trip	Poles	#	A	B	C	#	Poles	Trip	Key**	Description	Type*
					1				2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
					Total Load:	0 VA	0 VA	0 VA						
					Total Amps:	0 A	0 A	0 A						

Load Type*	NEC Reference	Connected Load	Demand Factor	Est. Demand
L Lighting	NEC 220.42			
R Receptacle	NEC 220.44			
E Equipment				
M Motor	NEC 430.24			
K Kitchen	NEC 220.56			
H Heating	NEC 220.51			

Load Totals
Total Connected Load: 0 VA
Total Demand Load: 0 VA
120/208 Wye System Current
Connected Amps: 0 A
Demand Amps: 0 A

Circuit Breaker Key : A=AFCI G=GFCI E=GFEP S=SHUNT TRIP L=HANDLE LOCK R=RED M=MOTORIZED F=FULLY RATED C=THRU CONTACTOR**

Copper Bus Size	225	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

LD	LA	K3
LC	IDF	K2
LB	MDF	K1

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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
PANEL SCHEDULES

job number
25015

date
OCTOBER 26, 2026

drawing number
E0.8

LIGHTING CONTROL SEQUENCE OF OPERATION

GENERAL
- THE FOLLOWING IS THE REQUIRED SEQUENCE OF OPERATION BASED UPON 2024 IECC.

- **SYSTEM:** ALL LIGHTING CONTROLS WITHIN THIS REMODEL AREA WILL UTILIZE INDUSTRY STANDARD COMMERCIAL SPEC-GRADE TOGGLE ON-OFF SWITCHES FOR CONTROL OF ALL LIGHTING WITH THE ASSOCIATED SPACE.

- **SUBMITTALS:** A DETAILED SEQUENCE OF OPERATION DESCRIBING HOW ALL FIXTURES OPERATE IN VARIOUS SPACE SUBMITTALS SHALL ALSO INCLUDE WIRING DIAGRAMS AND SHOP DRAWINGS SPECIFIC TO EACH SPACE TYPE. SEE SPECIFICATION SECTION 26 09 23 FOR ADDITIONAL INFORMATION.

- **BASIS OF DESIGN:** LEGRAND WATTSTOPPER 'DIGITAL LIGHTING MANAGEMENT' SYSTEM.

- **NETWORKED SYSTEM:** EACH INDIVIDUAL ROOM/AREA, EXCEPT FOR SPACES SUCH AS ELECTRICAL, FIRE, & MECHANICAL MANUAL LIGHT CONTROLS, SHALL BE EQUIPPED WITH A CONTROLLER AND SHALL BE CONNECTED TO THE NETWORKED SYSTEM MEETING IECC REQUIREMENTS. PROVIDE A NETWORKED RELAY PANEL OR DISTRIBUTED RELAY SYSTEM WITH AREA CONTROLLERS FOR LIGHTING.

- **CONTROL HIERARCHY:** WHERE SPACES ARE CONTROLLED BY BOTH TIMECLOCKS AND OCCUPANCY SENSORS, THE TIMECLOCK SHALL ESTABLISH THE BASE LIGHTING LEVEL (DIM OR OFF) IN ACCORDANCE WITH THE SCHEDULE. OCCUPANCY SENSORS SHALL FUNCTION AS SYSTEM OVERRIDES, TEMPORARILY RAISING LIGHTING TO FULL OUTPUT (ADJ.) WHEN OCCUPANCY IS DETECTED, AND RETURNING TO THE TIMECLOCK LEVEL AFTER THE SENSOR TIMEOUT (ADJ). DAYLIGHT SENSORS, WHERE PROVIDED SHALL MODULATE OUTPUT TO MAINTAIN TARGET ILLUMINATION LEVELS (ADJ) WHILE RESPECTING THE TIMECLOCK AND OCCUPANCY OVERRIDE PRIORITIES. NNCC SHALL HAVE THE ABILITY TO ADJUST SCHEDULES, TIMEOUTS, AND DAYLIGHT THRESHOLDS THROUGH THE SYSTEM'S GRAPHICAL USER INTERFACE AFTER TRAINING.

- **CONTROL DEVICES:** LOW-VOLTAGE WALL-MOUNTED DIMMERS AND CEILING MOUNTED OCCUPANCY/DAYLIGHTING SENSORS. DEVICES SHALL BE INDUSTRY STANDARD, NON-PROPRIETARY, AND AVAILABLE FROM MULTIPLE MANUFACTURERS. OCCUPANCY SENSOR COVERAGE: CEILING MOUNT 360-DEGREE DUAL TECHNOLOGY OCCUPANCY SENSOR COVERAGE MAXIMUM 25 FT X 25 FT. PROVIDE TYPE AND QUANTITY AS REQUIRED FOR FULL OVERLAPPING COVERAGE OF ALL OCCUPANCY SENSOR CONTROLLED SPACES.

- **DAYLIGHT CONTROL DEVICES:** LIGHTS IN THE PRIMARY DAYLIGHT ZONE SHALL BE CONTROLLED INDEPENDENTLY OF LIGHTS IN THE SECONDARY DAYLIGHT ZONE. SEE LIGHTING CONTROL SHEETS FOR DAYLIGHT ZONES. DAYLIGHT SENSORS, WHERE PROVIDED SHALL MODULATE OUTPUT TO MAINTAIN TARGET ILLUMINATION LEVELS (ADJ) WHILE RESPECTING THE TIMECLOCK AND OCCUPANCY OVERRIDE PRIORITIES.

- **LOW-VOLTAGE WIRING:** CONTRACTOR RESPONSIBLE FOR INSTALLATION AND CONNECTION OF CONTROL PROTOCOL LOW-VOLTAGE WIRING BETWEEN FIXTURES AND CONTROL DEVICES. PROVIDE NECESSARY POWER PACKS AND ACCESSORIES FOR A COMPLETE SYSTEM. CONNECT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

- **ACCESS HATCHES:** ELECTRICAL CONTRACTOR TO COORDINATE AND LOCATE ACCESS HATCHES FOR INACCESSIBLE POWER PACKS, REMOTE DRIVERS, AND OTHER ACCESSORIES. ACCESS HATCHES TO BE INSTALLED BY GENERAL CONTRACTOR IN COORDINATION WITH ARCHITECT.

- **EMERGENCY LIGHTING:** ALL FIXTURES CIRCUITED TO AN EMERGENCY BRANCH CIRCUIT SHALL BE FORCED FROM ITS NORMAL CONDITION TO FULL OUTPUT UPON NORMAL LIGHTING CIRCUIT POWER LOSS OR ACTIVATION OF THE FIRE ALARM SYSTEM AND SHALL BYPASS ALL OTHER CONTROL. ALL BYPASS AND CONTROL OF EMERGENCY LIGHTING SHALL UTILIZE A UL924 EMERGENCY LIGHTING RELAY DEVICE.

- **DEVICES:** LIGHTING CONTROL DEVICES SUCH AS WALL MOUNT SWITCHES, OCCUPANCY SENSORS, AND EMERGENCY LIGHTING RELAYS WILL UTILIZE INDUSTRY STANDARD FORM, FUNCTION, BE READILY AVAILABLE FROM MULTIPLE MANUFACTURERS AND WILL USE NON-PROPRIETARY TERMINATION METHODS. WALL BOX LIGHTING CONTROL DEVICES SHALL NOT CONTAIN ANY UNUSED BUTTONS OR SWITCHES.

- DIMMING: REFER TO LIGHTING CONTROL SHEETS FOR RAISE/LOWER CONTROL STATIONS. PROVIDE ALL LOW VOLTAGE WIRING FOR FULL RANGE DIMMING IN EACH ZONE/AREA INDICATED.

- **ZONING:** LIGHTING CONTROL ZONES SHALL BE DEFINED SUCH THAT ALL FIXTURES OF A GIVEN TYPE WITHIN A ROOM OPERATE TOGETHER. EACH FIXTURE TYPE SHALL BE ZONED AS A GROUP FOR DIMMING AND CONTROL, AND PLACED ON A SEPARATE CONTROL ZONE FROM OTHER UNIQUE FIXTURE TYPES IN THE SAME SPACE. THIS ZONING APPROACH ALLOWS THE OWNER MAXIMUM FLEXIBILITY TO ADJUST AND PROGRAM LIGHTING BY FIXTURE TYPE BOTH DURING COMMISSIONING AND IN THE FUTURE. REFER TO ROOM NUMBER FOR SPACE DELINEATION. DAYLIGHT-RESPONSIVE CONTROLS: ALL DAYLIGHT RESPONSIVE CONTROLS SHALL OPERATE IN ACCORDANCE WITH THE LIGHTING CONTROL SEQUENCE OF OPERATION.

- **GUN CAGE:** MASTER OVERRIDE SWITCH IN GUN CAGE TO PROVIDE CAPABILITY TO TURN ON ALL DESIGNATED FIXTURES IN CHOW, KITCHEN, AND LAUNDRY TO FULL BRIGHT. ADDITIONAL SWITCHES WILL BE PROVIDED TO CONTROL EACH INDIVIDUAL CHOW ROOM LIGHT FIXTURES.

LAUNDRY/KITCHEN/BAKERY/VESTIBULE/INMATE BREAK/JANITORIAL/CHOW/DISPATCH/STORAGE/DOCK

A. MANUAL KEYED SWITCH WITH ON/OFF FUNCTIONALITY.
B. EMERGENCY CIRCUIT: LIGHTS ON INVERTER CIRCUIT SHALL PROVIDE FULL OUTPUT IN EMERGENCY OPERATION AND RELEASE ALL OTHER CONTROL.

RESTROOMS

A. DUAL TECHNOLOGY WALL MOUNTED OCCUPANCY SENSOR WITH AUTO-ON/AUTO-OFF FUNCTIONALITY.
B. EMERGENCY CIRCUIT: LIGHTS ON INVERTER CIRCUIT SHALL PROVIDE FULL OUTPUT IN EMERGENCY OPERATION AND RELEASE ALL OTHER CONTROL.

ELECTRICAL

A. MANUAL SWITCH WITH ON/OFF FUNCTIONALITY.
B. EMERGENCY CIRCUIT: LIGHTS ON INVERTER CIRCUIT SHALL PROVIDE FULL OUTPUT IN EMERGENCY OPERATION AND RELEASE ALL OTHER CONTROL.

MECHANICAL/FIRE RISER/TELECOM

A. MANUAL SWITCH WITH MANUAL-ON/AUTOMATIC-OFF FUNCTIONALITY. 20-MINUTE TIMEOUT.
B. EMERGENCY CIRCUIT: LIGHTS ON INVERTER CIRCUIT SHALL PROVIDE FULL OUTPUT IN EMERGENCY OPERATION AND RELEASE ALL OTHER CONTROL.

EXTERIOR

A. FIXTURES SHALL BE TIMECLOCK ON-TIMECLOCK OFF WITH PHOTOCELL OVERRIDE.
B. EMERGENCY CIRCUIT: LIGHTS ON INVERTER CIRCUIT SHALL PROVIDE FULL OUTPUT IN EMERGENCY OPERATION AND RELEASE ALL OTHER CONTROL.

LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE TRIMS, BALLASTS, MOUNTING EQUIPMENT, FITTINGS AND LAMPS AS REQUIRED BY THE SPECIFICATIONS AND PROJECT CONDITIONS FOR A COMPLETE INSTALLATION.THIS IS NOT A STANDALONE SCHEDULE AND FIXTURES MUST INCORPORATE ALL WORK INDICATED OR IMPLIED THROUGHOUT THE DRAWINGS AND SPECIFICATIONS.

LIGHTING SYSTEM FOOTCANDLE LEVELS ARE BASED ON THE UTILIZATION OF STANDARD REFLECTANCES OF 80-50-20 (CEILING-WALL-FLOOR) PER I.E.S. (ILLUMINATED ENGINEERING SOCIETY). THE ROOM SURFACES ARE USED AS AN INTEGRAL COMPONENT OF THE LIGHTING SYSTEMS. THE REFLECTANCE OF THE SURFACE PAINT COLOR, MATERIAL, AND OTHER ROOM SURFACES DIRECTLY AFFECTS THE DELIVERY OF LIGHT TO THE WORK PLANE, A SIGNIFICANT DROP IN OVERALL LIGHTING LEVELS WILL OCCUR IF REFLECTANCES ARE LOWERED. THE ARCHITECT/OWNER SHALL NOTIFY THE ENGINEER IMMEDIATELY IF FINISHES DO NOT FALL INLINE WITH THE REFLECTANCES MENTIONED ABOVE.

SUBSTITUTION: DEFINITIONS

OR EQUAL = EQUAL OR SUPERIOR TO SPECIFIED IN ALL RESPECTS WILL BE ALLOWED.
ENGINEER'S PRE-BID APPROVAL IS NOT REQUIRED. PROPOSED EQUAL FIXTURES ARE SUBJECT TO REVIEW DURING THE STANDARD SUBMITTAL PROCESS.

NO EQUAL = PROVIDE SPECIFIED FIXTURE. SUBSTITUTIONS ARE NOT ALLOWED.

SUBJECT TO REVIEW = EQUAL OR SUPERIOR TO SPECIFIED IN ALL RESPECTS MAY BE ALLOWED ONLY WITH ENGINEER'S APPROVAL. ALL SUBSTITUTIONS MUST BE SUBMITTED AS REQUIRED BY SPECIFICATIONS AND ACCOMPANIED WITH POINT BY POINT LIGHTING CALCULATIONS. DETERMINATION OF EQUAL IS ENGINEER'S SOLE DISCRETION.

L1		2' X 4' RECESSED CORRECTIONAL GRADE LED. LIGATURE RESISTANT. DIE-FORMED COLD ROLLED STEEL CONSTRUCTION. POLYURETHANE FOAM SEALS. IK19 RATED. TORX T-20 HEAD W/ CENTER PIN FASTENERS. 0-10V DIMMING DRIVER. SOURCE: LED, 4642 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: KENALL RMCD-4-FL/TR-1/1-45L40K-DCC-DV-1/9-1 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	46 VA
L2		2' X 4' RECESSED CORRECTIONAL GRADE LED. LIGATURE RESISTANT. DIE-FORMED COLD ROLLED STEEL CONSTRUCTION. POLYURETHANE FOAM SEALS. IK19 RATED. TORX T-20 HEAD W/ CENTER PIN FASTENERS. 0-10V DIMMING DRIVER. SOURCE: LED, 7412 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: KENALL RMCD-4-FL/TR-1/1-67L40K-DCC-DV-1/9-1 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	74 VA
L3		2' WALL MOUNTED UTILITY STRIP LED. DIFFUSED ACRYLIC LENS, WHITE FINISH W/DIMMING DRIVER. SOURCE: LED, 2531 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: HE WILLIAMS 75R-2-L25-840-DRV-UNV SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	17 VA
L4		4' SUSPENDED UTILITY STRIP LED. DIFFUSED ACRYLIC LENS, WHITE FINISH W/DIMMING DRIVER. CHAIN HUNG FROM CEILING. PROVIDE ALL MOUNTING ACCESSORIES AS REQUIRED. SOURCE: LED, 5261 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: HE WILLIAMS 76R-4-L52/840-DIM-UNV SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	36 VA
L5		2' COMPACT MODULAR HIGH BAY LED, FROSTED ACRYLIC SHIELDING AND 0-10V ELECTRONIC DIMMING DRIVER. SOURCE: LED, 8075 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: HE WILLIAMS GH-2-L80/840-FA-DIM-UNV SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	91 VA
S1		LED, ARCHITECTURAL WALL SCONCE, TYPE TX OPTICS WITH INTEGRAL MOTION SENSOR. CONFIRM FINISH WITH ARCHITECT. SOURCE: LED, 2006 LUMENS, 5000K, 80CRI VOLTAGE: 277 V MANUFACTURER: LITHONIA LIGHTING WEDGE2 LED-P2-50K-80CRI-TFTM-MVOLT-SRM-XX SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	19 VA
S2		13" DIAMETER SURFACE MOUNT, FLAT FACE LOW-PROFILE, HIGH IMPACT RESISTANT LENS, PHOTOCONTROL WITH SURFACE ADAPTOR. SURFACE ADAPTOR FOR FIXTURE. CONFIRM FINISH WITH ARCHITECT. SOURCE: LED, 2453 LUMENS, 5000K, 80CRI VOLTAGE: 277 V MANUFACTURER: KENALL LIGHTING MR13FL-PP-XX-20L50K-DCC-DV SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	24 VA

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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
LIGHTING FIXTURE SCHEDULE & IECC CALCULATIONS

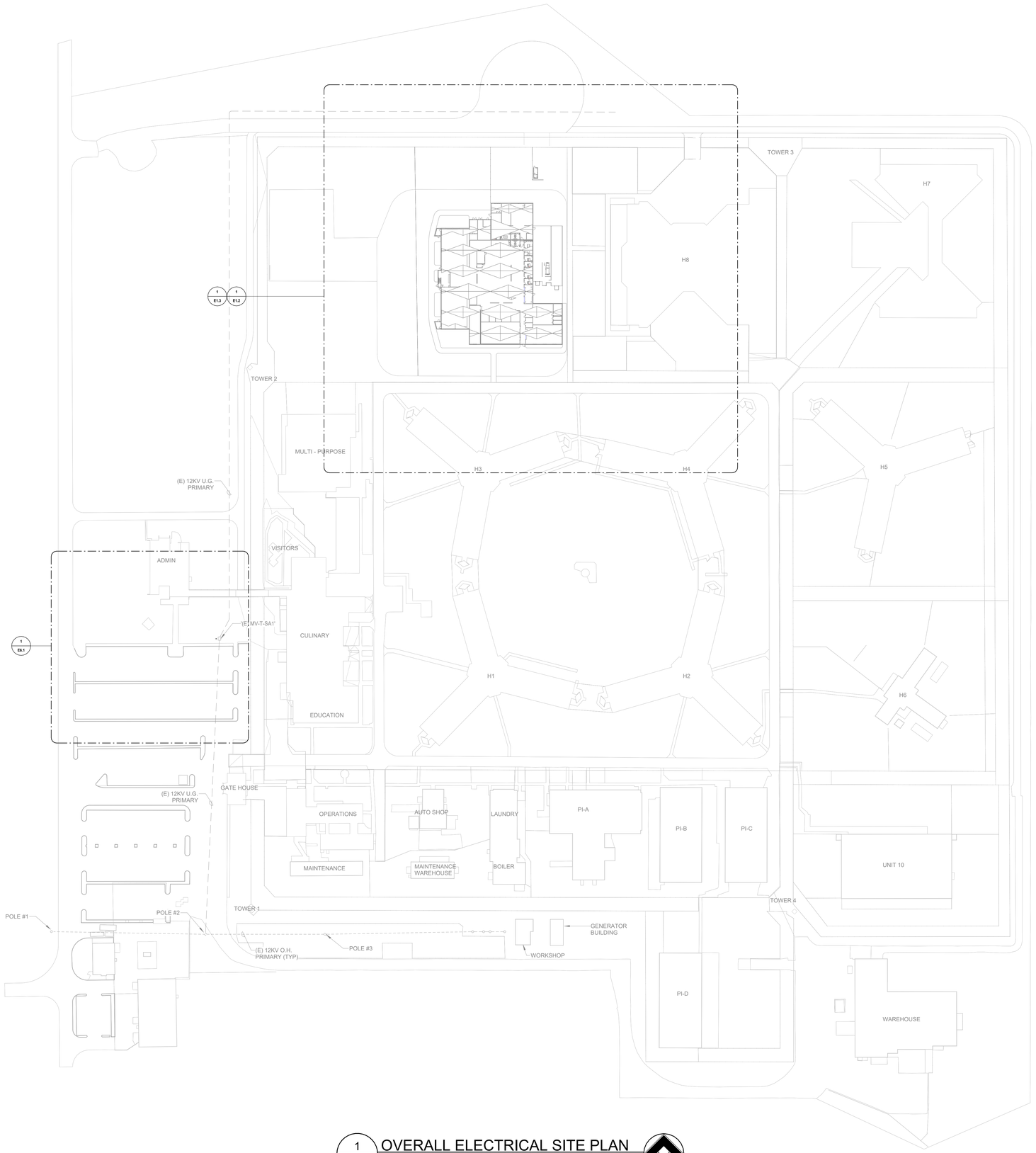
job number
25015

date
OCTOBER 26, 2026

drawing number
E0.9

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1 E1.1 OVERALL ELECTRICAL SITE PLAN

Scale: 1" = 80'-0"

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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
OVERALL ELECTRICAL SITE PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
E1.1

PRELIMINARY
NOT FOR CONSTRUCTION
10/26/26



1 E1.2 ELECTRICAL DEMOLITION SITE PLAN

Scale: 1" = 30'-0"

GENERAL NOTES

1. (X) AND/OR DASHED LINES INDICATE EXISTING EQUIPMENT TO BE REMOVED, (R) AND/OR DASHED LINES INDICATE EXISTING EQUIPMENT TO BE RELOCATED, (E) AND/OR SOLID HALFTONE LINES INDICATE EXISTING EQUIPMENT TO REMAIN UNLESS NOTED OTHERWISE.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL 811 FOR LOCATING EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL NON-UTILITY UNDERGROUND ITEMS.
3. THE CONTRACTOR MAY REUSE EXISTING BOXES, CONDUIT AND WIRING WHERE APPLICABLE TO THE NEW CONSTRUCTION AND NEW CIRCUITING INDICATED ON THE DRAWINGS.
4. THE CONTRACTOR SHALL REMOVE FROM THE JOB SITE ALL ABANDONED MATERIALS LEFT OVER FROM DEMOLITION. ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO, CONDUIT, FASTENERS AND BOXES.
5. THE CONTRACTOR IS RESPONSIBLE FOR RECONNECTING AND MAINTAINING CIRCUIT INTEGRITY OF EXISTING, TO REMAIN, SITE LIGHTING FIXTURES, RECEPTACLES, ETC. WHERE DISCONNECTED DURING DEMOLITION. ALL EXISTING SYSTEMS SHALL BE IN WORKING CONDITION UPON COMPLETION OF NEW CONSTRUCTION.
6. CONTRACTOR SHALL FIELD-VERIFY EXISTING CIRCUITS FEEDING EXISTING SITE LIGHTING FIXTURES PRIOR TO SITE DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CIRCUIT INTEGRITY FOR ALL LIGHT FIXTURES INDICATED AS 'EXISTING TO REMAIN' (ALL SITE FIXTURES SHALL BE IN OPERABLE CONDITION UPON COMPLETION OF SITE WORK).
7. SALVAGEABLE ITEMS REMOVED DURING DEMOLITION SHALL BE OFFERED TO OWNER PRIOR TO DISPOSAL OR REMOVAL FROM SITE.
8. CONDUITS OR BOXES BELOW GRADE OR EMBEDDED IN CONCRETE THAT ARE INDICATED AS 'EXISTING TO BE REMOVED', AND DO NOT INTERFERE WITH NEW WORK (FOOTINGS, VAULTS, PIPING, ETC.) MAY BE ABANDONED IN PLACE. ALL CABLES SHALL BE REMOVED FROM CONDUITS AND CONDUITS SHALL BE CAPPED A MINIMUM OF 24" BELOW FINISHED GRADE. DOCUMENT ABANDONED CONDUITS ON RECORD AS-BUILT DRAWINGS.

SHEET NOTES

S01 LOCATE AND INTERCEPT EXISTING CONDUIT DUCT BANK. SEE ONELINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.

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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
ELECTRICAL DEMOLITION SITE PLAN

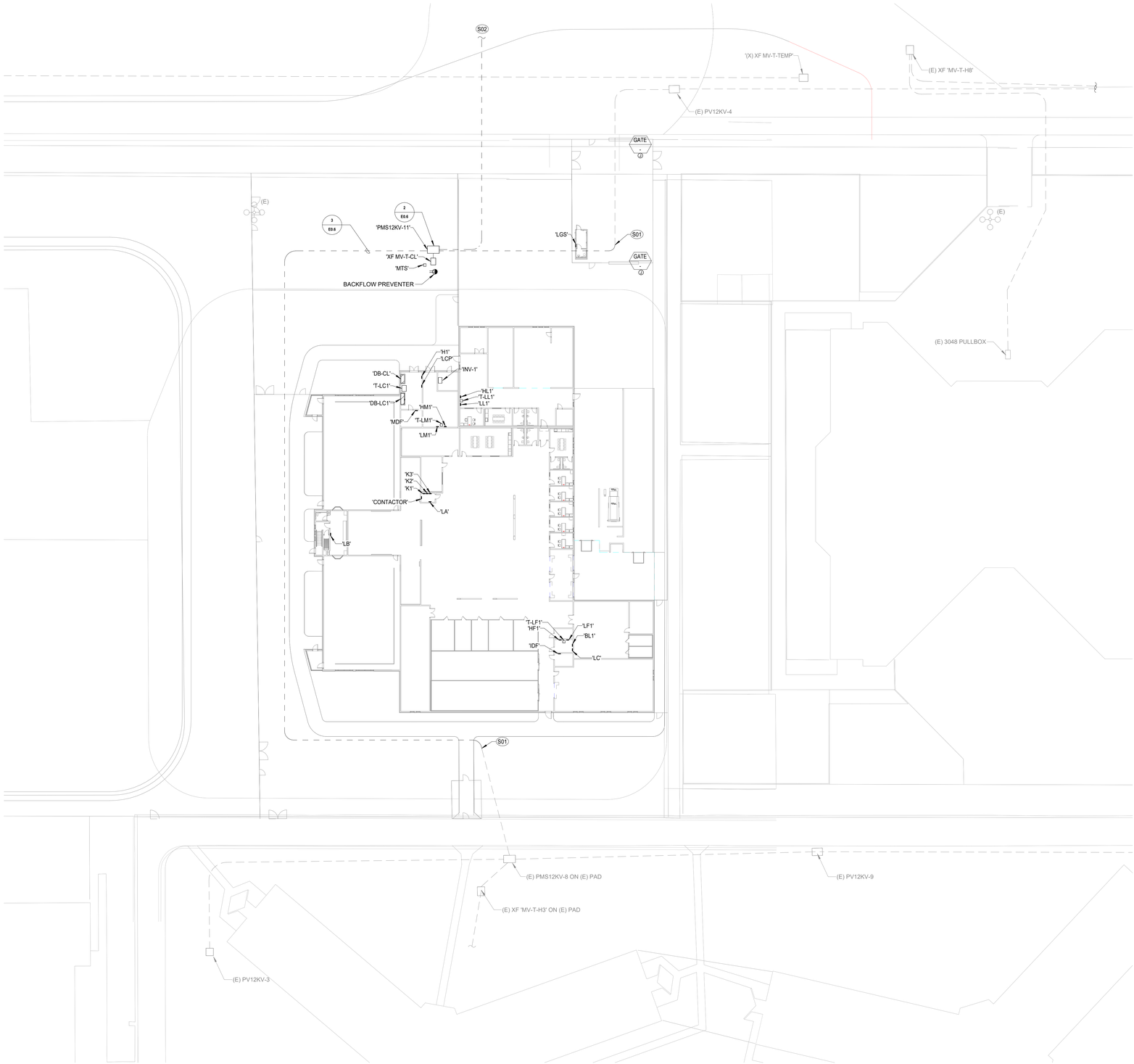
job number
25015

date
OCTOBER 26, 2026

drawing number
E1.2

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1 E1.3 ELECTRICAL SITE PLAN

Scale: 1" = 30'-0"

GENERAL NOTES

1. (E) AND/OR SOLID HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
2. SEE ONELINE DIAGRAM(S) FOR CONDUIT, WIRE SIZES AND EQUIPMENT REQUIREMENTS.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH APPLICABLE UTILITY COMPANY'S DRAWINGS AND REPRESENTATIVES FOR DETERMINING THE EXACT RESPONSIBILITY OF EACH PARTY.
4. SEE UTILITY DRAWINGS FOR ALL UTILITY WORK WORK REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING ALL WORK REQUIRED IN BID. COORDINATE WITH EACH SITE UTILITY.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL 811 FOR LOCATES PRIOR TO DIGGING. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL NON-UTILITY UNDERGROUND ITEMS.
6. THE MAXIMUM NUMBER OF CONDUIT BENDS SHOULD NOT BE GREATER THAN 270 DEGREES BETWEEN PULLING STRUCTURES. THIS INCLUDES THE AGGREGATE OF ALL HORIZONTAL AND VERTICAL CHANGES.
7. ALL CONDUIT, INNERDUCT, PULLBOXES AND VAULTS SHALL BE LABELED PER THE SPECIFICATIONS.
8. PROVIDE #10 CU CONDUCTORS IN 3/4" CONDUIT MINIMUM, UNLESS NOTED OTHERWISE, FOR ALL SITE LIGHTING AND SITE RECEPTACLE CIRCUITS.
9. ALL RECEPTACLES WITH WEATHER PROOF DESIGNATION SHALL BE PROVIDED WITH 'WHILE IN USE' COVERS.
10. ALL CONDUIT, INNERDUCT, PULLBOXES AND VAULTS SHALL BE LABELED PER THE SPECIFICATIONS.
11. EACH CONDUIT AND INNERDUCT SHALL BE PROVIDED WITH A 1250 LBS. PULL ROPE.
12. COORDINATE LOCATION OF BELOW-GRADE CONDUITS, DUCT BANKS, ETC. WITH CIVIL ENGINEER AND OTHER TRADES PRIOR TO ROUGH-IN.
13. ALL EXTERIOR LIGHTING FIXTURES MUST BE FULLY SHIELDED AND IN COMPLIANCE WITH RENO MUNICIPAL CODE (RMC) 18.04.1304(b). THERE SHALL BE 0% OF TOTAL LUMENS ABOVE 90 DEGREES AND A MAXIMUM OF 10% TOTAL LUMENS ABOVE 80 DEGREES.
14. REFER TO SPECIFICATION SECTION 26 05 19 FOR VOLTAGE DROP REQUIREMENTS AND MAXIMUM ONE-WAY CIRCUIT LENGTH FOR ALL BRANCH WIRING AND HOMERUNS. INCREASE WIRE SIZE ACCORDINGLY.

SHEET NOTES

S01 LOCATE AND INTERCEPT EXISTING CONDUIT DUCT BANK. SEE ONELINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.

S02 SEE ONELINE DIAGRAM FOR CONDUIT REQUIREMENTS. STUB, CAP, AND MARK CONDUITS CLEAR OF SITEWORK.

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8112 Maryland Ave., Ste 400 | Clayton, MO
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
ELECTRICAL SITE PLAN

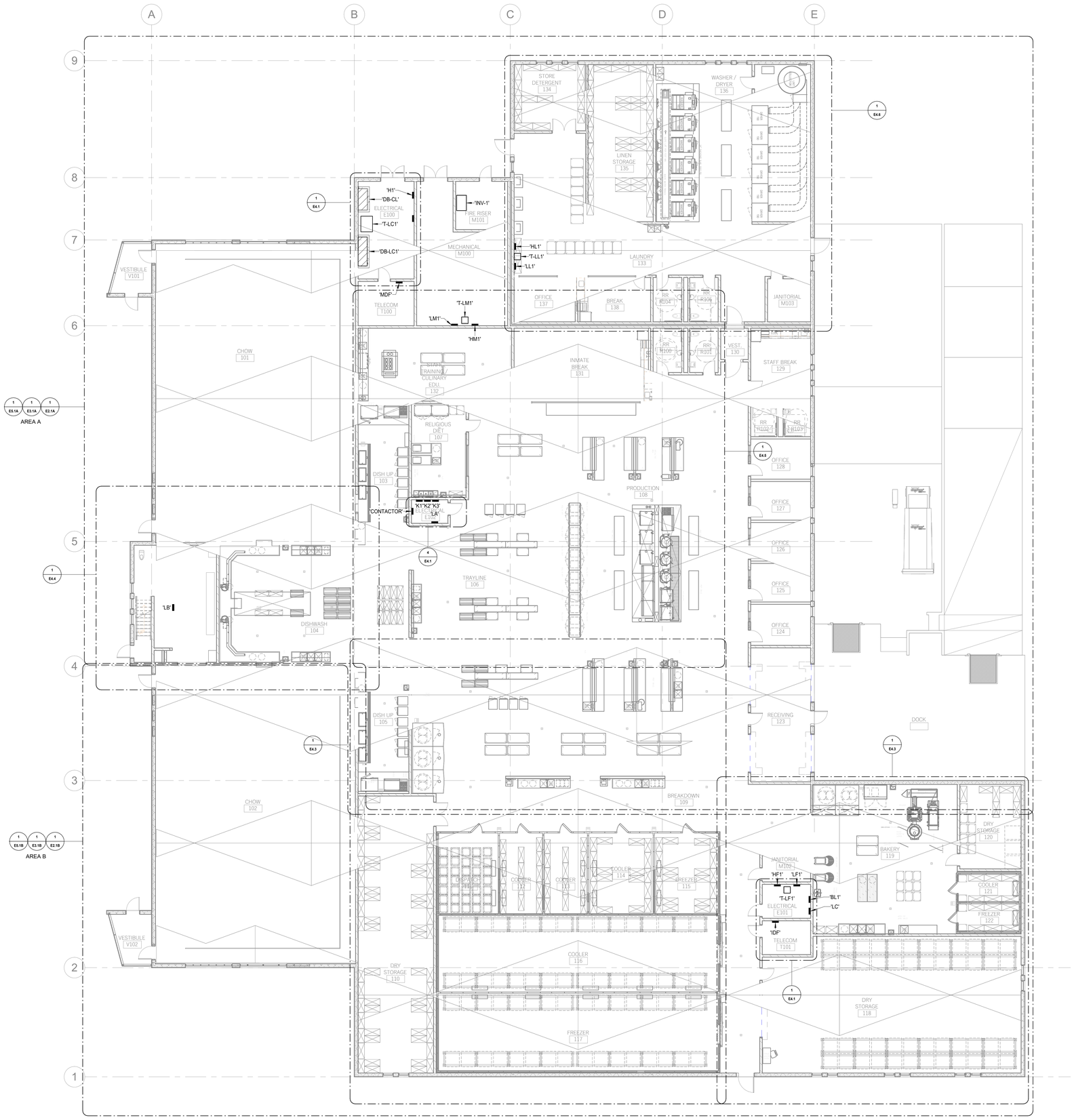
job number
25015

date
OCTOBER 26, 2026

drawing number
E1.3

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10/26/26

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1 E1.4 OVERALL ELECTRICAL PLAN

Scale: 3/32" = 1'-0"

PRELIMINARY
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10/26/26

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule		
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STATE OF NEVADA
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CARSON CITY, NEVADA 89701

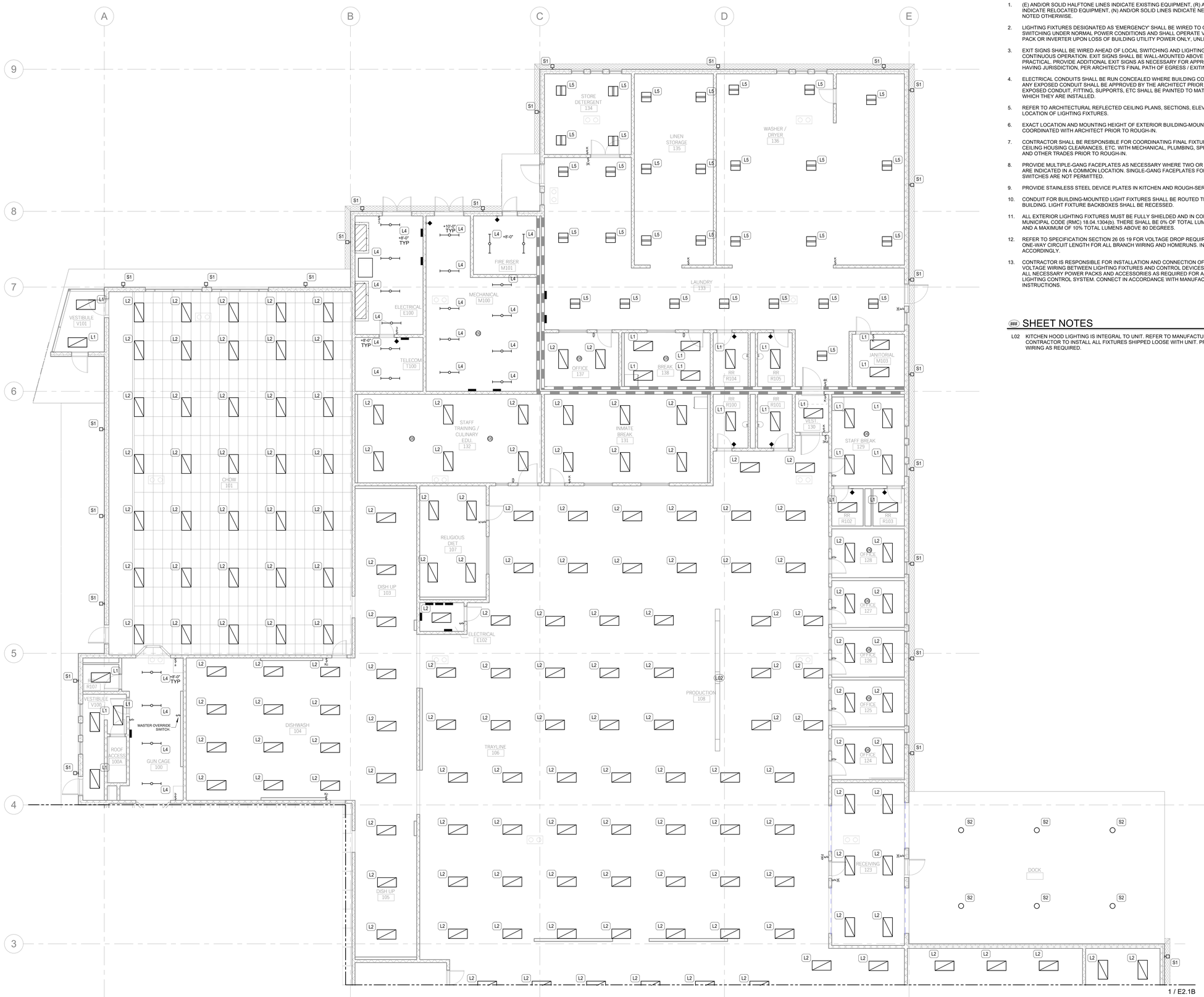
DESIGN DEVELOPMENT

drawing title
OVERALL ELECTRICAL PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
E1.4



GENERAL NOTES

1. (E) AND/OR SOLID HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
2. LIGHTING FIXTURES DESIGNATED AS 'EMERGENCY' SHALL BE WIRED TO OPERATE WITH LOCAL SWITCHING UNDER NORMAL POWER CONDITIONS AND SHALL OPERATE VIA EMERGENCY BATTERY PACK OR INVERTER UPON LOSS OF BUILDING UTILITY POWER ONLY, UNLESS NOTED OTHERWISE.
3. EXIT SIGNS SHALL BE WIRED AHEAD OF LOCAL SWITCHING AND LIGHTING CONTROL PANEL FOR CONTINUOUS OPERATION. EXIT SIGNS SHALL BE WALL-MOUNTED ABOVE DOORS WHERE PRACTICAL. PROVIDE ADDITIONAL EXIT SIGNS AS NECESSARY FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION, PER ARCHITECT'S FINAL PATH OF EGRESS / EXITING PLAN.
4. ELECTRICAL CONDUITS SHALL BE RUN CONCEALED WHERE BUILDING CONSTRUCTION ALLOWS. ANY EXPOSED CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. ANY EXPOSED CONDUIT, FITTING, SUPPORTS, ETC SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY ARE INSTALLED.
5. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS, SECTIONS, ELEVATIONS, ETC. FOR EXACT LOCATION OF LIGHTING FIXTURES.
6. EXACT LOCATION AND MOUNTING HEIGHT OF EXTERIOR BUILDING-MOUNTED FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL FIXTURE LOCATIONS, ABOVE-CEILING HOUSING CLEARANCES, ETC. WITH MECHANICAL, PLUMBING, SPRINKLER CONTRACTOR AND OTHER TRADES PRIOR TO ROUGH-IN.
8. PROVIDE MULTIPLE-GANG FACEPLATES AS NECESSARY WHERE TWO OR MORE LIGHT SWITCHES ARE INDICATED IN A COMMON LOCATION. SINGLE-GANG FACEPLATES FOR A GROUP OF LIGHT SWITCHES ARE NOT PERMITTED.
9. PROVIDE STAINLESS STEEL DEVICE PLATES IN KITCHEN AND ROUGH-SERVICE AREAS.
10. CONDUIT FOR BUILDING-MOUNTED LIGHT FIXTURES SHALL BE ROUTED THROUGH INTERIOR OF BUILDING. LIGHT FIXTURE BACKBOXES SHALL BE RECESSED.
11. ALL EXTERIOR LIGHTING FIXTURES MUST BE FULLY SHIELDED AND IN COMPLIANCE WITH RENO MUNICIPAL CODE (RMC) 18.04.1304(b). THERE SHALL BE 0% OF TOTAL LUMENS ABOVE 90 DEGREES AND A MAXIMUM OF 10% TOTAL LUMENS ABOVE 80 DEGREES.
12. REFER TO SPECIFICATION SECTION 26 05 19 FOR VOLTAGE DROP REQUIREMENTS AND MAXIMUM ONE-WAY CIRCUIT LENGTH FOR ALL BRANCH WIRING AND HOMERUNS. INCREASE WIRE SIZE ACCORDINGLY.
13. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND CONNECTION OF ALL REQUIRED 0-10V LOW VOLTAGE WIRING BETWEEN LIGHTING FIXTURES AND CONTROL DEVICES. PROVIDE AND CONNECT ALL NECESSARY POWER PACKS AND ACCESSORIES AS REQUIRED FOR A COMPLETE OPERATIONAL LIGHTING CONTROL SYSTEM. CONNECT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

SHEET NOTES

L02 KITCHEN HOOD LIGHTING IS INTEGRAL TO UNIT. REFER TO MANUFACTURER FOR INSTRUCTIONS. CONTRACTOR TO INSTALL ALL FIXTURES SHIPPED LOOSE WITH UNIT. PROVIDE ALL CONDUIT AND WIRING AS REQUIRED.

1 E2.1A LIGHTING PLAN AREA A
Scale: 1/8" = 1'-0"

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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
LIGHTING PLAN AREA A

job number
25015

date
OCTOBER 26, 2026

drawing number
E2.1A

SHEET NOTES

L01 FREEZER/COOLER LIGHTING IS INTEGRAL TO UNIT. REFER TO MANUFACTURER FOR INSTRUCTIONS. CONTRACTOR TO INSTALL ALL FIXTURES SHIPPED LOOSE WITH UNIT. PROVIDE ALL CONDUIT, WIRING AND SEALOFFS AS REQUIRED.

GENERAL NOTES

1. (E) AND/OR SOLID HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
2. LIGHTING FIXTURES DESIGNATED AS 'EMERGENCY' SHALL BE WIRED TO OPERATE WITH LOCAL SWITCHING UNDER NORMAL POWER CONDITIONS AND SHALL OPERATE VIA EMERGENCY BATTERY PACK OR INVERTER UPON LOSS OF BUILDING UTILITY POWER ONLY, UNLESS NOTED OTHERWISE.
3. EXIT SIGNS SHALL BE WIRED AHEAD OF LOCAL SWITCHING AND LIGHTING CONTROL PANEL FOR CONTINUOUS OPERATION. EXIT SIGNS SHALL BE WALL-MOUNTED ABOVE DOORS WHERE PRACTICAL. PROVIDE ADDITIONAL EXIT SIGNS AS NECESSARY FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION, PER ARCHITECT'S FINAL PATH OF EGRESS / EXITING PLAN.
4. ELECTRICAL CONDUITS SHALL BE RUN CONCEALED WHERE BUILDING CONSTRUCTION ALLOWS. ANY EXPOSED CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. ANY EXPOSED CONDUIT, FITTING, SUPPORTS, ETC SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY ARE INSTALLED.
5. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS, SECTIONS, ELEVATIONS, ETC. FOR EXACT LOCATION OF LIGHTING FIXTURES.
6. EXACT LOCATION AND MOUNTING HEIGHT OF EXTERIOR BUILDING-MOUNTED FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL FIXTURE LOCATIONS, ABOVE-CEILING HOUSING CLEARANCES, ETC. WITH MECHANICAL, PLUMBING, SPRINKLER CONTRACTOR AND OTHER TRADES PRIOR TO ROUGH-IN.
8. PROVIDE MULTIPLE-GANG FACEPLATES AS NECESSARY WHERE TWO OR MORE LIGHT SWITCHES ARE INDICATED IN A COMMON LOCATION. SINGLE-GANG FACEPLATES FOR A GROUP OF LIGHT SWITCHES ARE NOT PERMITTED.
9. PROVIDE STAINLESS STEEL DEVICE PLATES IN KITCHEN AND ROUGH-SERVICE AREAS.
10. CONDUIT FOR BUILDING-MOUNTED LIGHT FIXTURES SHALL BE ROUTED THROUGH INTERIOR OF BUILDING. LIGHT FIXTURE BACKBOXES SHALL BE RECESSED.
11. ALL EXTERIOR LIGHTING FIXTURES MUST BE FULLY SHIELDED AND IN COMPLIANCE WITH RENO MUNICIPAL CODE (RMC) 18.04.1304(b). THERE SHALL BE 0% OF TOTAL LUMENS ABOVE 90 DEGREES AND A MAXIMUM OF 10% TOTAL LUMENS ABOVE 80 DEGREES.
12. REFER TO SPECIFICATION SECTION 26 05 19 FOR VOLTAGE DROP REQUIREMENTS AND MAXIMUM ONE-WAY CIRCUIT LENGTH FOR ALL BRANCH WIRING AND HOMERUNS. INCREASE WIRE SIZE ACCORDINGLY.
13. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND CONNECTION OF ALL REQUIRED 0-10V LOW VOLTAGE WIRING BETWEEN LIGHTING FIXTURES AND CONTROL DEVICES. PROVIDE AND CONNECT ALL NECESSARY POWER PACKS AND ACCESSORIES AS REQUIRED FOR A COMPLETE OPERATIONAL LIGHTING CONTROL SYSTEM. CONNECT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.



1 / E2.1B LIGHTING PLAN AREA B
Scale: 1/8" = 1'-0"

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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
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CARSON CITY, NEVADA 89701

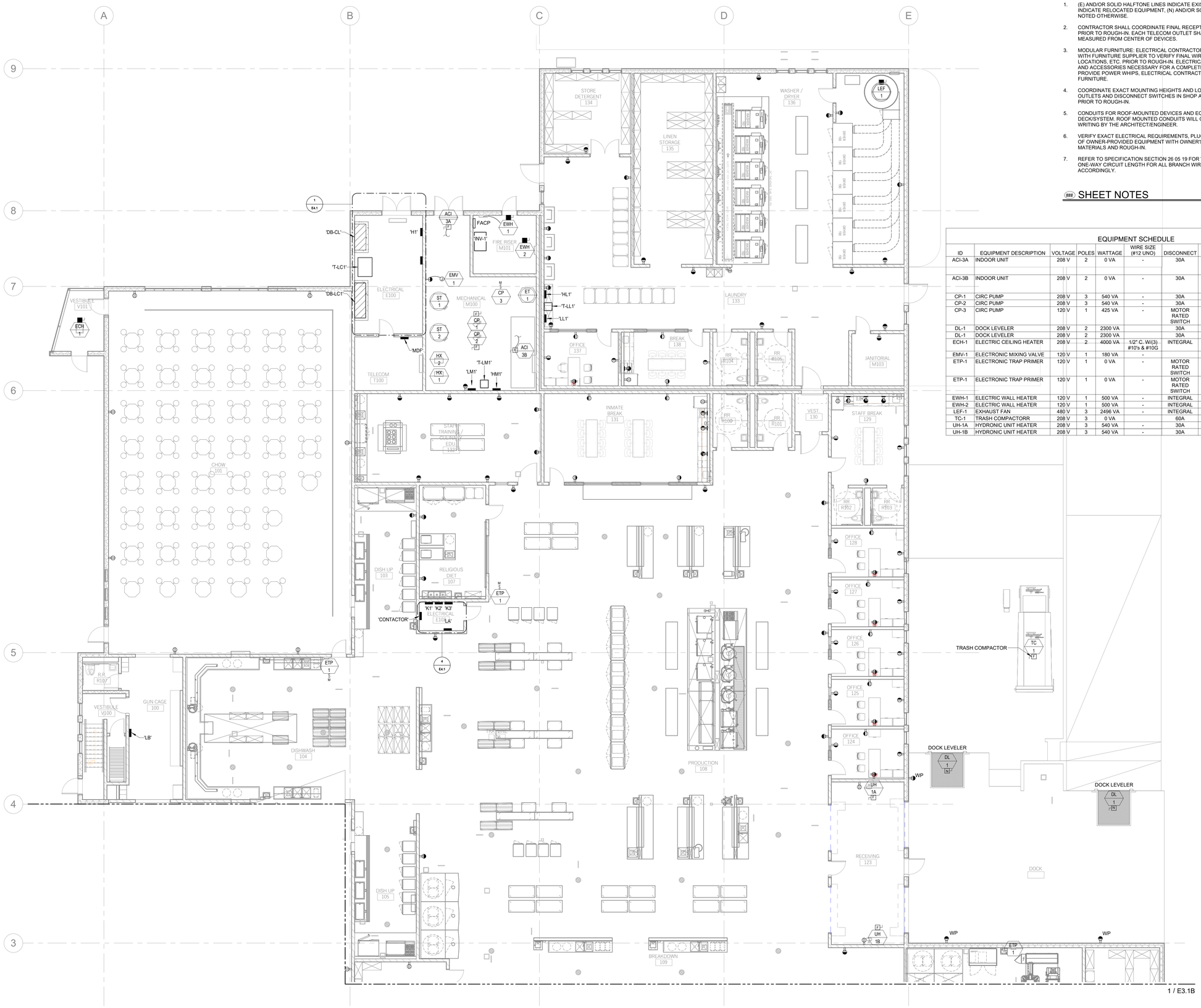
DESIGN DEVELOPMENT

drawing title
LIGHTING PLAN AREA B

job number
25015

date
OCTOBER 26, 2026

drawing number
E2.1B



GENERAL NOTES

1. (E) AND/OR SOLID HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL COORDINATE FINAL RECEPTACLE LOCATIONS WITH TELECOM OUTLETS PRIOR TO ROUGH-IN. EACH TELECOM OUTLET SHALL HAVE A RECEPTACLE LOCATED WITHIN 12", MEASURED FROM CENTER OF DEVICES.
3. MODULAR FURNITURE: ELECTRICAL CONTRACTOR RESPONSIBLE FOR ON-SITE COORDINATION WITH FURNITURE SUPPLIER TO VERIFY FINAL WIRING REQUIREMENTS, CIRCUITING, J-BOX LOCATIONS, ETC. PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR TO PROVIDE ALL HARDWARE AND ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION. FURNITURE SUPPLIER TO PROVIDE POWER WHIPS, ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS TO FURNITURE.
4. COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS OF GENERAL RECEPTACLES, SPECIAL OUTLETS AND DISCONNECT SWITCHES IN SHOP AREAS WITH OWNER AND EQUIPMENT SUPPLIERS PRIOR TO ROUGH-IN.
5. CONDUITS FOR ROOF-MOUNTED DEVICES AND EQUIPMENT SHALL BE RUN BELOW ROOF DECK/SYSTEM. ROOF MOUNTED CONDUITS WILL ONLY BE CONSIDERED AND APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
6. VERIFY EXACT ELECTRICAL REQUIREMENTS, PLUG CONFIGURATIONS, ETC., AND FINAL LOCATIONS OF OWNER-PROVIDED EQUIPMENT WITH OWNER'S REPRESENTATIVE PRIOR TO ORDERING OF MATERIALS AND ROUGH-IN.
7. REFER TO SPECIFICATION SECTION 26 05 19 FOR VOLTAGE DROP REQUIREMENTS AND MAXIMUM ONE-WAY CIRCUIT LENGTH FOR ALL BRANCH WIRING AND HOMERUNS. INCREASE WIRE SIZE ACCORDINGLY.

SHEET NOTES

EQUIPMENT SCHEDULE

ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	PANEL - CIRCUIT	NOTES
ACI-3A	INDOOR UNIT	208 V	2	0 VA	-	30A	1	FPEN		POWERED BY OUTDOOR UNIT
ACI-3B	INDOOR UNIT	208 V	2	0 VA	-	30A	1	FPEN		POWERED BY OUTDOOR UNIT
CP-1	CIRC PUMP	208 V	3	540 VA	-	30A	1	FPEN	LM1 - 7,9,11	
CP-2	CIRC PUMP	208 V	3	540 VA	-	30A	1	FPEN	LM1 - 1,3,5	
CP-3	CIRC PUMP	120 V	1	425 VA	-	MOTOR RATED SWITCH	-	-	LM1 - 13	
DL-1	DOCK LEVELER	208 V	2	2300 VA		30A	3R			
DL-1	DOCK LEVELER	208 V	2	2300 VA		30A	3R			
ECH-1	ELECTRIC CEILING HEATER	208 V	2	4000 VA	1/2" C. W/(3) #10's & #10G	INTEGRAL	-	-	LB - 29,31	
EMV-1	ELECTRONIC MIXING VALVE	120 V	1	180 VA	-			-	LM1 - 15	
ETP-1	ELECTRONIC TRAP PRIMER	120 V	1	0 VA	-	MOTOR RATED SWITCH	1	-	LM1 - 23	
ETP-1	ELECTRONIC TRAP PRIMER	120 V	1	0 VA	-	MOTOR RATED SWITCH	1	-	LM1 - 25	
EWH-1	ELECTRIC WALL HEATER	120 V	1	500 VA	-	INTEGRAL	-	-	LM1 - 19	
EWH-2	ELECTRIC WALL HEATER	120 V	1	500 VA	-	INTEGRAL	-	-	LM1 - 17	
LEF-1	EXHAUST FAN	480 V	3	2496 VA	-	INTEGRAL	-	-	HL1 - 7,9,11	
TC-1	TRASH COMPACTORR	208 V	3	0 VA		60A	3R			
UH-1A	HYDRONIC UNIT HEATER	208 V	3	540 VA	-	30A	1	FPEN		
UH-1B	HYDRONIC UNIT HEATER	208 V	3	540 VA	-	30A	1	FPEN		

1 E3.1A POWER PLAN AREA A
Scale: 1/8" = 1'-0"

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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
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CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
POWER PLAN AREA A

job number
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date
OCTOBER 26, 2026

drawing number
E3.1A

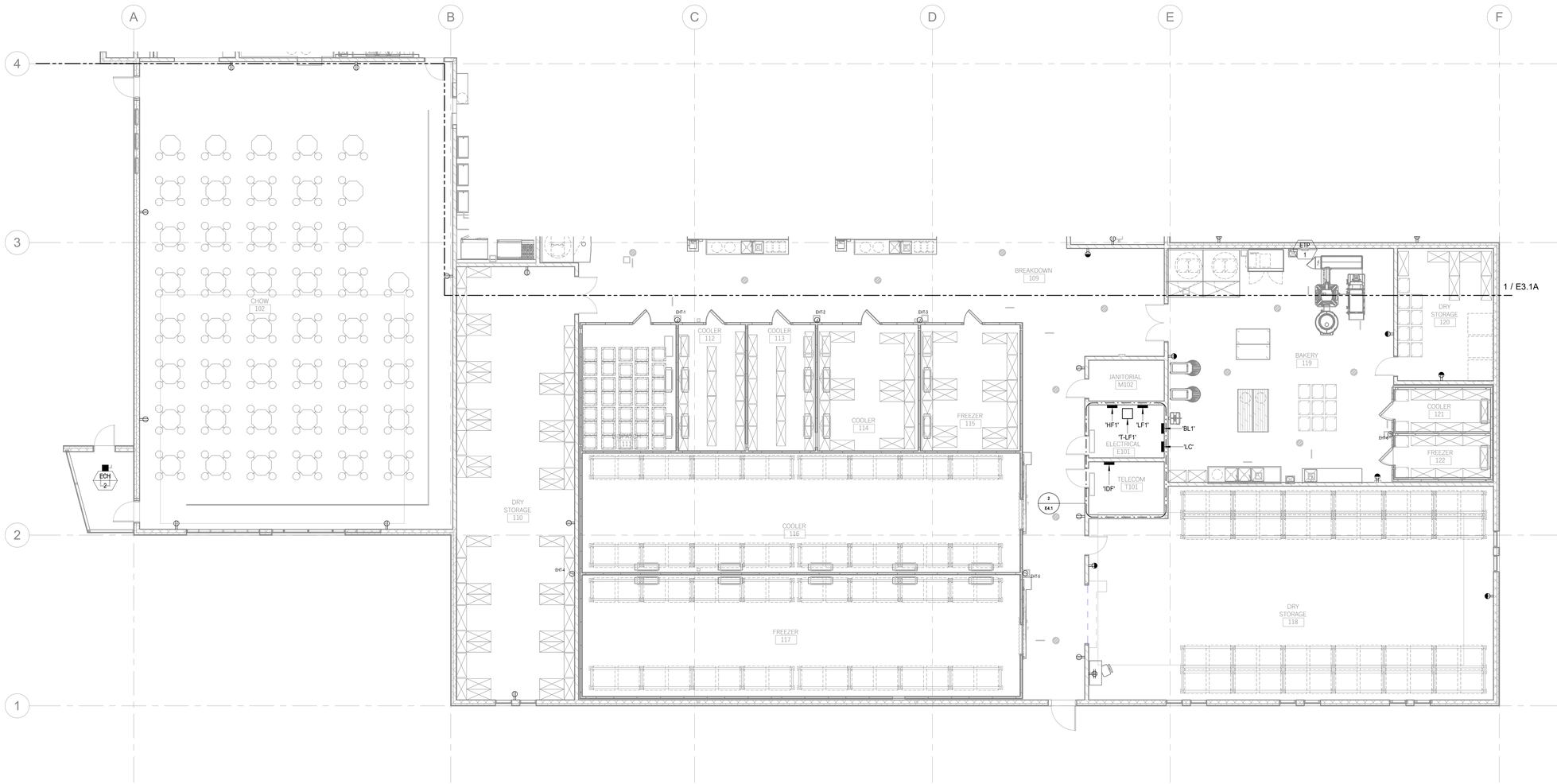
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EQUIPMENT SCHEDULE										
ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	PANEL - CIRCUIT	NOTES
ECH-2	ELECTRIC CEILING HEATER	208 V	2	4000 VA	1/2" C. W/(3) #10's & #10G	INTEGRAL	-	-	LB - 25,27	
EHT-1	HEAT TRACE	208 V	2	425 VA	-	RECEPTACLE	NEMA 6-30R	FPEN		
EHT-2	HEAT TRACE	208 V	2	425 VA	-	RECEPTACLE	NEMA 6-30R	FPEN		
EHT-3	HEAT TRACE	208 V	2	180 VA	-	RECEPTACLE	NEMA 6-30R	FPEN		
EHT-4	HEAT TRACE	208 V	2	500 VA	-	RECEPTACLE	NEMA 6-30R	FPEN		
EHT-5	HEAT TRACE	208 V	2	775 VA	-	RECEPTACLE	NEMA 6-30R	FPEN		
EHT-6	HEAT TRACE	208 V	2	205 VA	-	RECEPTACLE	NEMA 6-30R	FPEN		

GENERAL NOTES

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2. CONTRACTOR SHALL COORDINATE FINAL RECEPTACLE LOCATIONS WITH TELECOM OUTLETS PRIOR TO ROUGH-IN. EACH TELECOM OUTLET SHALL HAVE A RECEPTACLE LOCATED WITHIN 12", MEASURED FROM CENTER OF DEVICES.
3. MODULAR FURNITURE: ELECTRICAL CONTRACTOR RESPONSIBLE FOR ON-SITE COORDINATION WITH FURNITURE SUPPLIER TO VERIFY FINAL WIRING REQUIREMENTS, CIRCUITING, J-BOX LOCATIONS, ETC. PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR TO PROVIDE ALL HARDWARE AND ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION. FURNITURE SUPPLIER TO PROVIDE POWER WHIPS, ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS TO FURNITURE.
4. COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS OF GENERAL RECEPTACLES, SPECIAL OUTLETS AND DISCONNECT SWITCHES IN SHOP AREAS WITH OWNER AND EQUIPMENT SUPPLIERS PRIOR TO ROUGH-IN.
5. CONDUITS FOR ROOF-MOUNTED DEVICES AND EQUIPMENT SHALL BE RUN BELOW ROOF DECK/SYSTEM. ROOF MOUNTED CONDUITS WILL ONLY BE CONSIDERED AND APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
6. VERIFY EXACT ELECTRICAL REQUIREMENTS, PLUG CONFIGURATIONS, ETC., AND FINAL LOCATIONS OF OWNER-PROVIDED EQUIPMENT WITH OWNER'S REPRESENTATIVE PRIOR TO ORDERING OF MATERIALS AND ROUGH-IN.
7. REFER TO SPECIFICATION SECTION 26 05 19 FOR VOLTAGE DROP REQUIREMENTS AND MAXIMUM ONE-WAY CIRCUIT LENGTH FOR ALL BRANCH WIRING AND HOMERUNS. INCREASE WIRE SIZE ACCORDINGLY.

(###) SHEET NOTES



1 E3.1B POWER PLAN AREA B
Scale: 1/8" = 1'-0"

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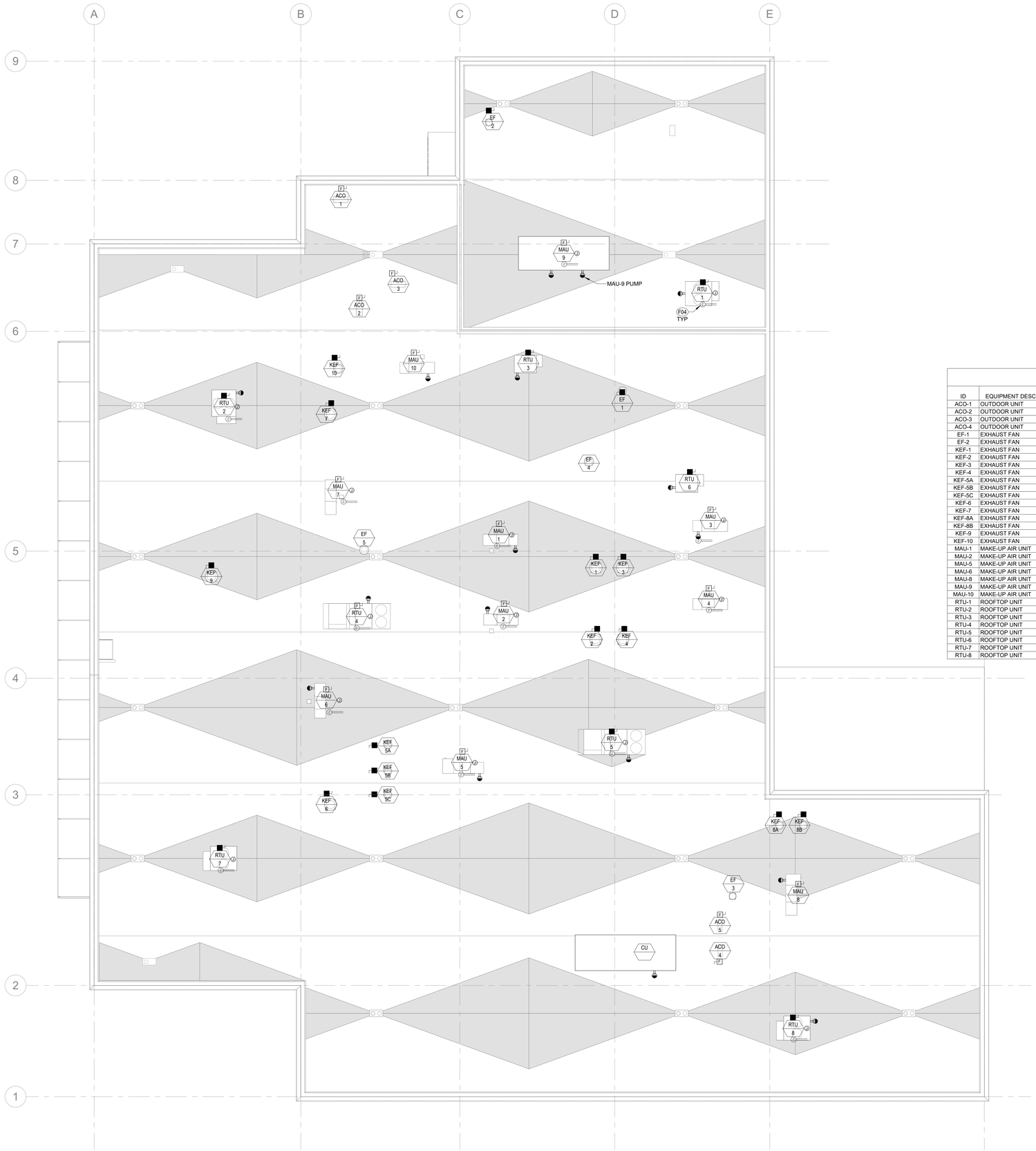
DESIGN DEVELOPMENT

drawing title
POWER PLAN AREA B

job number
25015

date
OCTOBER 26, 2026

drawing number
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GENERAL NOTES

1. (E) AND/OR SOLID HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
2. THE CONTRACTOR SHALL OBTAIN ALL WIRING DIAGRAMS ASSOCIATED WITH THE MECHANICAL EQUIPMENT CONTROLS FROM THE MECHANICAL/CONTROLS CONTRACTOR. CONTROL WIRING SHALL BE PROVIDED AND INSTALLED BY CONTROLS CONTRACTOR. ANY CONDUIT REQUIRED FOR CONTROL WIRING SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR AND SHALL BE COMPLETED UNDER THE SUPERVISION OF THE MECHANICAL/CONTROLS CONTRACTOR.
3. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL UNIT MODEL NUMBERS AND SPECIFIC ELECTRICAL REQUIREMENTS, OPTIONS AND ACCESSORIES.
4. INFORMATION ON ARCHITECTURAL AND MECHANICAL DRAWINGS SUPERSEDE INFORMATION SHOWN ON ELECTRICAL DRAWINGS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.
5. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ELECTRICAL REQUIREMENTS FOR FINAL MECHANICAL EQUIPMENT INSTALLED. SHOULD THERE BE ANY DISCREPANCY BETWEEN ACTUAL EQUIPMENT INSTALLED AND ELECTRICAL OR MECHANICAL DRAWINGS, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY FOR CLARIFICATION AND FURTHER DIRECTION.
6. LOCATE ALL DISCONNECTS, STARTERS AND DRIVES WHERE ACCESSIBLE. PROVIDE ACCESS AND CLEARANCE AS REQUIRED PER NEC. PROVIDE ACCESS HATCH IF LOCATED ABOVE HARD LID CEILING.
7. DISCONNECT SWITCHES, STARTERS OR DRIVES PROVIDED BY MECHANICAL AND SHIPPED LOOSE ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO INSTALL.
8. PIPING AND / OR DUCTWORK SHALL NOT BE ROUTED IN THE DEDICATED ELECTRICAL EQUIPMENT SPACE AT OR ABOVE ELECTRICAL SWITCHBOARDS, DISTRIBUTION BOARDS, PANELBOARDS, ETC. (PER 2011 NEC 110.26E). PROVIDE DEPTH AND WIDTH OF WORKING SPACE FOR ELECTRICAL EQUIPMENT AS REQUIRED PER 2011 NEC 110.26.
9. REFER TO SPECIFICATION SECTION 26 05 19 FOR VOLTAGE DROP REQUIREMENTS AND MAXIMUM ONE-WAY CIRCUIT LENGTH FOR ALL BRANCH WIRING AND HOMERUNS. INCREASE WIRE SIZE ACCORDINGLY.

SHEET NOTES

F04 FIRE ALARM DUCT SMOKE DETECTOR. SEE MECHANICAL PLANS FOR LOCATIONS. PROVIDE ALL WIRING, COMPONENTS, RELAYS, PROGRAMMING FOR COMPLETE SYSTEM.

EQUIPMENT SCHEDULE

ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	PANEL - CIRCUIT	NOTES
ACO-1	OUTDOOR UNIT	208 V	2	4451 VA	1/2" C. W/(3) #10's & #10G	30A	3R	FPEN	LD - 1,3	
ACO-2	OUTDOOR UNIT	208 V	2	4576 VA	1/2" C. W/(3) #10's & #10G	30A	3R	FPEN	LD - 9,11	
ACO-3	OUTDOOR UNIT	208 V	2	7800 VA	1"C.W/(3) #6's & #10G	60A	3R	FPEN	LD - 5,7	
ACO-4	OUTDOOR UNIT	208 V	2	4576 VA	1/2" C. W/(3) #10's & #10G	30A	3R	FPEN	LC - 13,15	
EF-1	EXHAUST FAN	208 V	2	353 VA	-	INTEGRAL	-	-	LA - 2,4	
EF-2	EXHAUST FAN	208 V	2	0 VA		INTEGRAL	-		LA - 10,12	
KEF-1	EXHAUST FAN	208 V	2	312 VA	-	INTEGRAL	-	-	LA - 21,23	
KEF-2	EXHAUST FAN	208 V	2	312 VA	-	INTEGRAL	-	-	LA - 5,7	
KEF-3	EXHAUST FAN	208 V	2	2496 VA	-	INTEGRAL	-	-	LA - 25,27	
KEF-4	EXHAUST FAN	208 V	2	2496 VA	-	INTEGRAL	-	-	LA - 1,3	
KEF-5A	EXHAUST FAN	208 V	2	2496 VA	-	INTEGRAL	-	-	LB - 5,7	
KEF-5B	EXHAUST FAN	208 V	2	2496 VA	-	INTEGRAL	-	-	LB - 9,11	
KEF-5C	EXHAUST FAN	208 V	2	832 VA	-	INTEGRAL	-	-	LB - 13,15	
KEF-6	EXHAUST FAN	208 V	2	832 VA	-	INTEGRAL	-	-	LB - 17,19	
KEF-7	EXHAUST FAN	208 V	2	832 VA	-	INTEGRAL	-	-	LA - 6,8	
KEF-8A	EXHAUST FAN	208 V	2	2496 VA	-	INTEGRAL	-	-	LC - 5,7	
KEF-8B	EXHAUST FAN	208 V	2	2496 VA	-	INTEGRAL	-	-	LC - 1,3	
KEF-9	EXHAUST FAN	208 V	2	832 VA	-	INTEGRAL	-	-	LA - 17,19	
KEF-10	EXHAUST FAN	208 V	2	832 VA	-	INTEGRAL	-	-	LD - 13,15	
MAU-1	MAKE-UP AIR UNIT	208 V	2	3390 VA	1/2" C. W/(3) #10's & #10G	30A	3R	FPEN	LA - 33,35	
MAU-2	MAKE-UP AIR UNIT	208 V	2	3390 VA	1/2" C. W/(3) #10's & #10G	30A	3R	FPEN	LA - 13,15	
MAU-5	MAKE-UP AIR UNIT	208 V	2	2808 VA	-	30A	3R	FPEN	LB - 1,3	
MAU-6	MAKE-UP AIR UNIT	208 V	2	3390 VA	1/2" C. W/(3) #10's & #10G	30A	3R	FPEN	LB - 21,23	
MAU-8	MAKE-UP AIR UNIT	208 V	2	1934 VA	-	30A	3R	FPEN	LC - 17,19	
MAU-9	MAKE-UP AIR UNIT	480 V	3	29916 VA	1" C. W/(3)#4's & #10G	60A	3R	FPEN	HM1 - 25,27,29	
MAU-10	MAKE-UP AIR UNIT	480 V	3	3158 VA	-	30A	3R	FPEN	HM1 - 31,33,35	
RTU-1	ROOFTOP UNIT	480 V	3	28088 VA	3/4" C. W/(3)#6's & #10G	INTEGRAL	-	-	HM1 - 19,21,23	
RTU-2	ROOFTOP UNIT	480 V	3	33406 VA	1" C. W/(3)#4's & #10G	INTEGRAL	-	-	HM1 - 13,15,17	
RTU-3	ROOFTOP UNIT	480 V	3	14792 VA	1/2" C. W/(3) #10's & #10G	INTEGRAL	-	-	HM1 - 7,9,11	
RTU-4	ROOFTOP UNIT	480 V	3	14792 VA	1" C. W/(3)#4's & #10G	INTEGRAL	-	-	HF1 - 19,21,23	
RTU-5	ROOFTOP UNIT	480 V	3	49029 VA	1" C. W/(3)#4's & #8G	INTEGRAL	-	-	HF1 - 13,15,17	
RTU-6	ROOFTOP UNIT	480 V	3	14792 VA	1/2" C. W/(3) #10's & #10G	INTEGRAL	-	-	HM1 - 1,3,5	
RTU-7	ROOFTOP UNIT	480 V	3	33406 VA	1" C. W/(3)#4's & #10G	INTEGRAL	-	-	HF1 - 7,9,11	
RTU-8	ROOFTOP UNIT	480 V	3	23684 VA	3/4" C. W/(3)#8's & #10G	INTEGRAL	-	-	HF1 - 1,3,5	

1 E3.2 ROOF POWER PLAN

Scale: 3/32" = 1'-0"

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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
ROOF POWER PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
E3.2

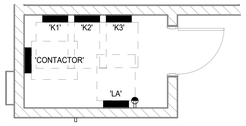
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MECHANICAL EQUIPMENT SCHEDULE										
ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	PANEL - CIRCUIT	NOTES
ACI-1	INDOOR UNIT	208 V	2	0 VA	-	30A	1	FPEN		POWERED BY OUTDOOR UNIT
ACI-2	INDOOR UNIT	208 V	2	0 VA	-	30A	1	FPEN		POWERED BY OUTDOOR UNIT
ACI-4	INDOOR UNIT	208 V	2	0 VA	-	30A	1	FPEN		POWERED BY OUTDOOR UNIT
ACI-5	INDOOR UNIT	208 V	2	0 VA	-	30A	1	FPEN		POWERED BY OUTDOOR UNIT

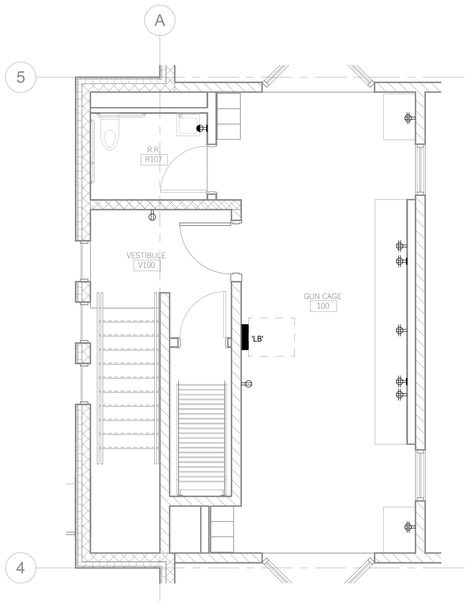
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1. (E) AND/OR SOLID HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
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6. VERIFY EXACT ELECTRICAL REQUIREMENTS, PLUG CONFIGURATIONS, ETC., AND FINAL LOCATIONS OF OWNER-PROVIDED EQUIPMENT WITH OWNER'S REPRESENTATIVE PRIOR TO ORDERING OF MATERIALS AND ROUGH-IN.
7. REFER TO SPECIFICATION SECTION 26 05 19 FOR VOLTAGE DROP REQUIREMENTS AND MAXIMUM ONE-WAY CIRCUIT LENGTH FOR ALL BRANCH WIRING AND HOMERUNS. INCREASE WIRE SIZE ACCORDINGLY.

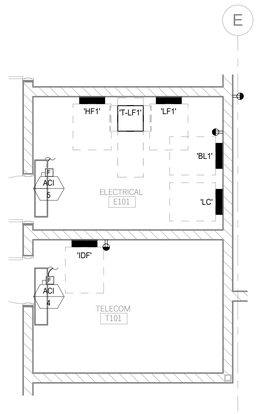
(###) SHEET NOTES



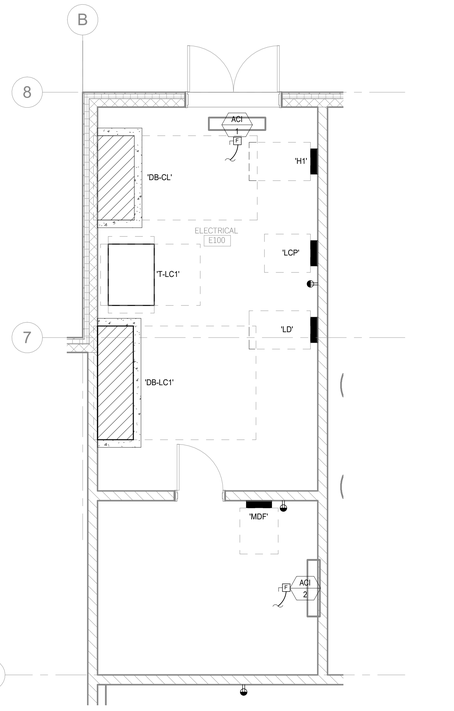
ENLARGED E102 ELECTRICAL PLAN
4 / E4.1
Scale: 1/4" = 1'-0"



ENLARGED GUN CAGE ELECTRICAL PLAN
3 / E4.1
Scale: 1/4" = 1'-0"



ENLARGED E101 AND T101 ELECTRICAL PLAN
2 / E4.1
Scale: 1/4" = 1'-0"



ENLARGED E100 ELECTRICAL PLAN
1 / E4.1
Scale: 1/4" = 1'-0"

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CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
ENLARGED ELECTRICAL PLANS

job number
25015

date
OCTOBER 26, 2026

drawing number
E4.1

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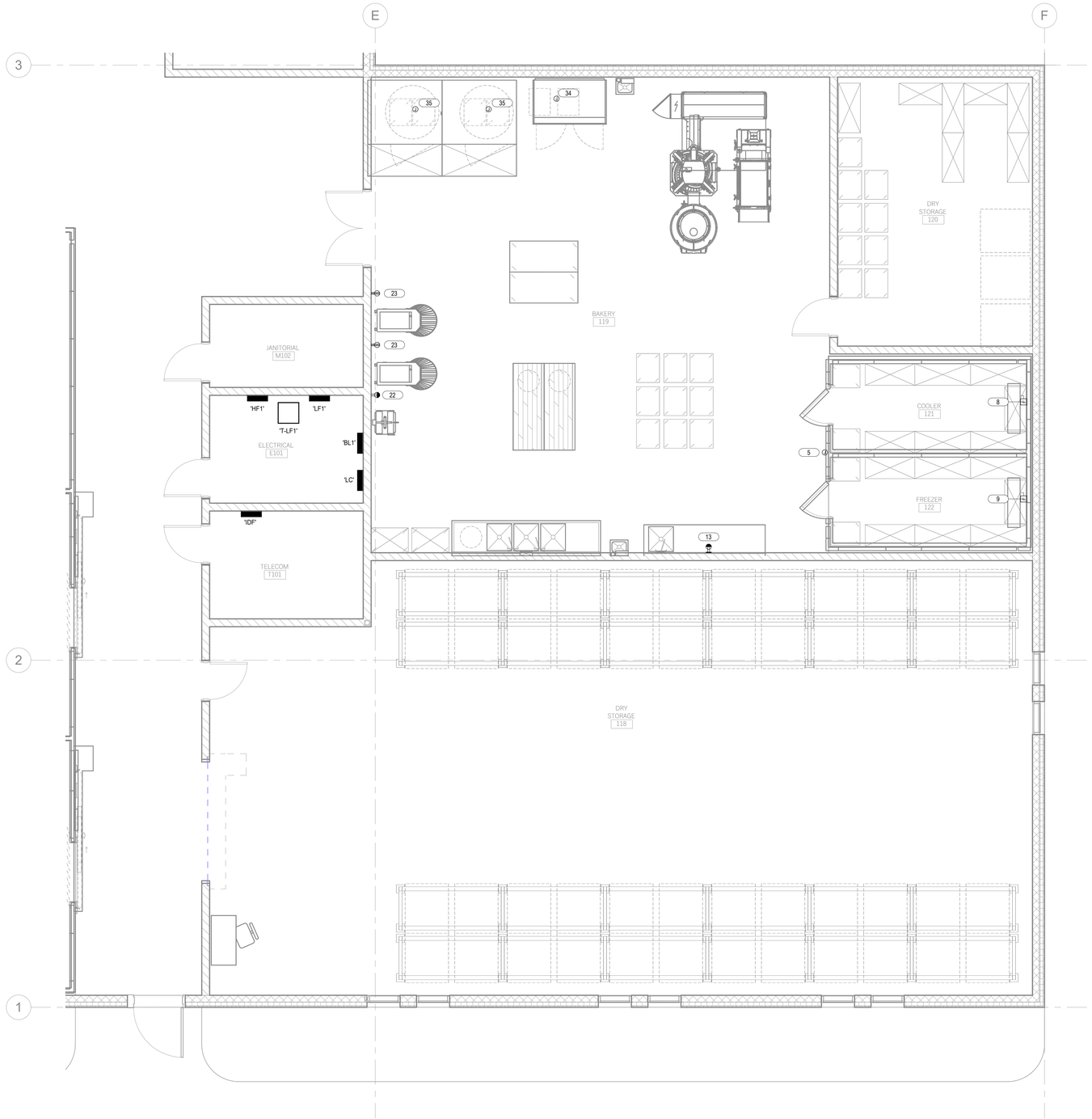
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KITCHEN EQUIPMENT SCHEDULE										
ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	NOTES	QUANTITY
5	WALK-IN COOLER/FREEZER	120 V	1	1800 VA		HARDWIRE	HARDWIRE			1
8	COOLER BLOWER COIL	120 V	1	1800 VA		30A				1
9	FREEZER BLOWER COIL	208 V	2	3890 VA		30A	1			1
13	PREP TABLE W/SINK	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
22	DOUGH DIVIDER/ROUNDER	120 V	1	960 VA		GFCI RECEPTACLE	NEMA 5-20R			1
23	280 QUART MIXER	208 V	2	11520 VA						2
34	ROLL IN PROOFER	208 V	3	180 VA		RECEPTACLE	NEMA 6-30R			1
35	ROLL IN RACK OVEN/HOOD	208 V	3	180 VA		RECEPTACLE	NEMA 6-30R			2

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(###) SHEET NOTES



1 E4.2 ENLARGED FOOD SERVICE ELECTRICAL PLAN AREA 1

Scale: 1/4" = 1'-0"

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#	Date	Description

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STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

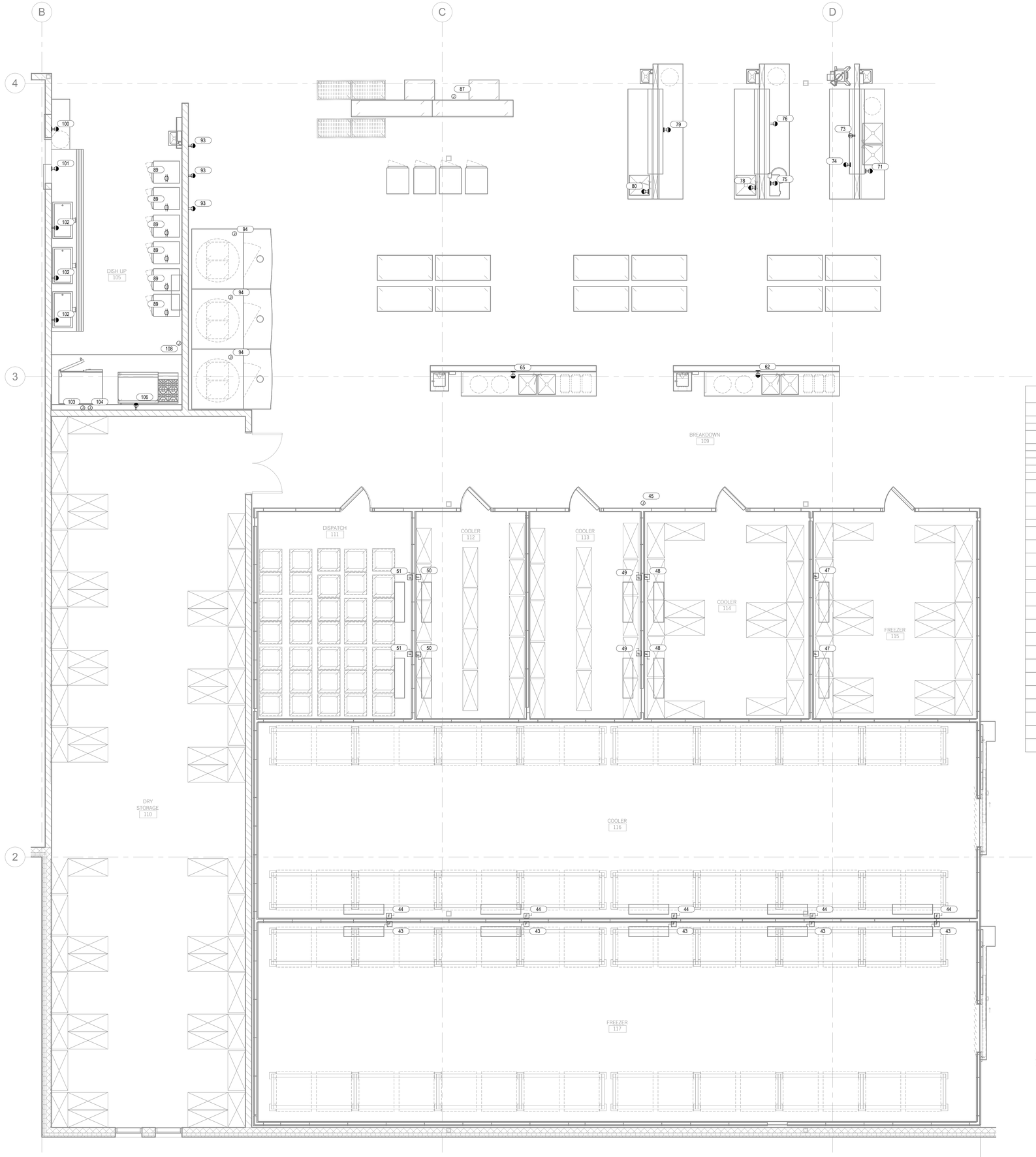
drawing title
ENLARGED FOOD SERVICE ELECTRICAL PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
E4.2

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(###) SHEET NOTES

KITCHEN EQUIPMENT SCHEDULE

ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	NOTES	QUANTITY
43	FREEZER BLOWER COIL	208 V	2	5554 VA		30A	1			5
44	COOLER BLOWER COILS	120 V	1	1800 VA						5
45	WALK-IN COOLER/FREEZER	120 V	1	1800 VA		HARDWIRE	HARDWIRE			1
47	FREEZER BLOWER COIL	208 V	2	5554 VA		30A	1			2
48	COOLER BLOWER COILS	120 V	1	1800 VA						2
49	COOLER BLOWER COILS	120 V	1	1800 VA						2
50	COOLER BLOWER COILS	120 V	1	1800 VA						2
51	COOLER BLOWER COILS	120 V	1	1800 VA						2
62	BREAKDOWN SINK	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
65	BREAKDOWN SINK	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
71	PREP TABLE W/SINK	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
73	FOOD PROCESSOR	208 V	2	2700 VA						1
74	PREP TABLE	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
75	PREP TABLE	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
76	FOOD CUTTER	120 V	1	1440 VA		GFCI RECEPTACLE	NEMA 5-20R			1
78	PREP TABLE W/SINK	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
79	PREP TABLE	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
80	PREP TABLE W/SINK	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
87	S/S TRAY ASSEMBLY TABLES	208 V	3	18000 VA		RECEPTACLE	NEMA 6-30R			1
89	MOBILE HOT CABINET	120 V	1	1440 VA		GFCI RECEPTACLE	NEMA 5-15R			6
93	ROLL IN BLAST CHILLER	120 V	1	1920 VA		GFCI RECEPTACLE	NEMA 5-20R			3
94	ROLL IN RACK OVEN/HOOD	208 V	3	1800 VA		RECEPTACLE	NEMA 6-30R			3
100	SERVING WINDOW	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
101	SERVING COUNTER	120 V	1	480 VA		GFCI RECEPTACLE	NEMA 5-15R			1
102	DROP IN HOT WELLS	120 V	1	1536 VA		GFCI RECEPTACLE	NEMA 5-20R			3
103	COMBI-OVEN	120 V	1	816 VA		HARDWIRE	HARDWIRE			1
104	COMBI-OVEN	120 V	1	816 VA		HARDWIRE	HARDWIRE			1
106	GRIDDLE WITH STAND	120 V	1	120 VA		GFCI RECEPTACLE	NEMA 5-20R			1
108	FIRE SUPRESSION SYSTEM	120 V	1	1800 VA		HARDWIRE	HARDWIRE			1

1 E4.3 ENLARGED FOOD SERVICE ELECTRICAL PLAN AREA 2

Scale: 1/4" = 1'-0"

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drawing title
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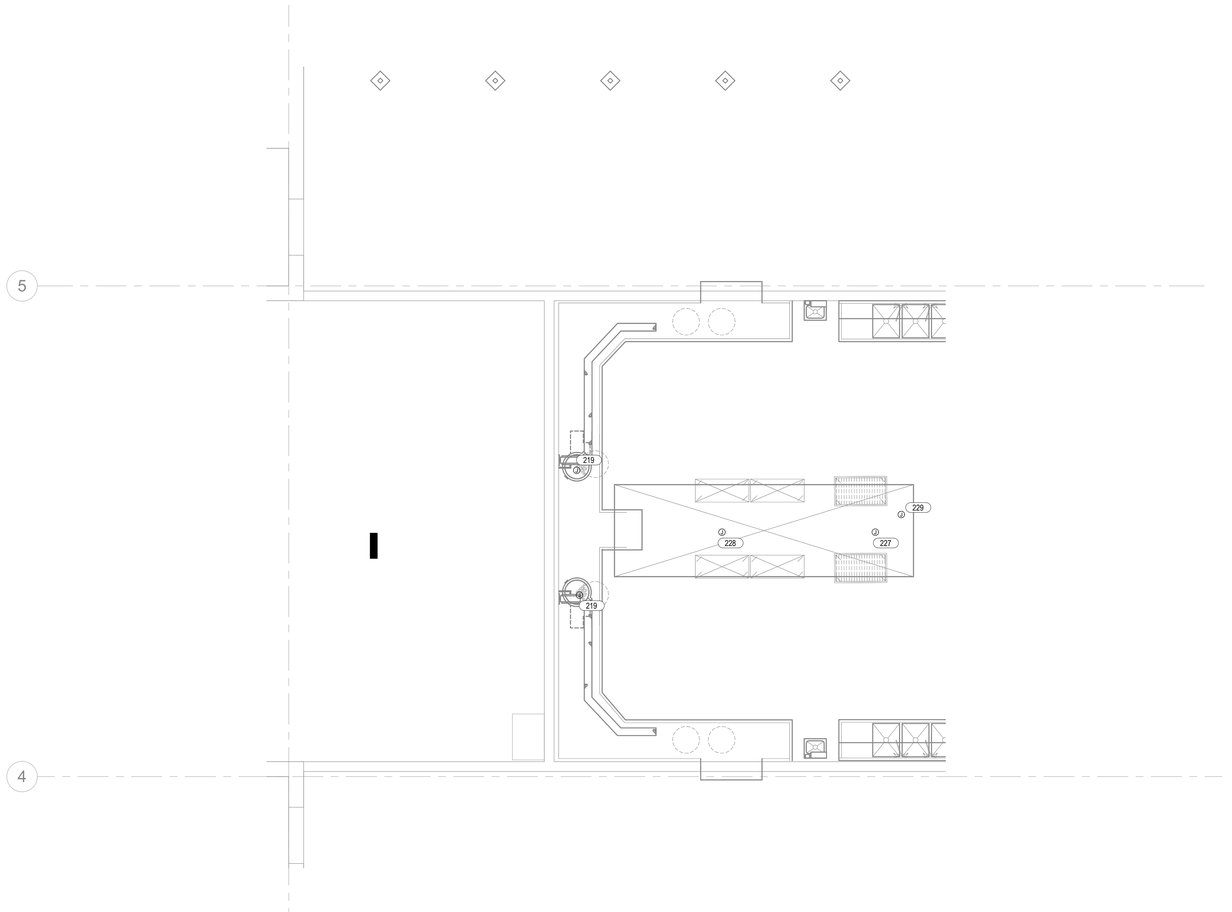
KITCHEN EQUIPMENT SCHEDULE

ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	NOTES	QUANTITY
219	FOOD WASTE COLLECTOR	120 V	1	180 VA		HARDWIRE	HARDWIRE			2
227	FLIGHT DISHMACHINE	480 V	3	180 VA		HARDWIRE	HARDWIRE			1
228	BOOSTER HEATER	480 V	3	180 VA		HARDWIRE	HARDWIRE			1
229	VAPOR HOOD	120 V	1	180 VA		HARDWIRE	HARDWIRE			1

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4. COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS OF GENERAL RECEPTACLES, SPECIAL OUTLETS AND DISCONNECT SWITCHES IN SHOP AREAS WITH OWNER AND EQUIPMENT SUPPLIERS PRIOR TO ROUGH-IN.
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6. VERIFY EXACT ELECTRICAL REQUIREMENTS, PLUG CONFIGURATIONS, ETC., AND FINAL LOCATIONS OF OWNER-PROVIDED EQUIPMENT WITH OWNER'S REPRESENTATIVE PRIOR TO ORDERING OF MATERIALS AND ROUGH-IN.
7. REFER TO SPECIFICATION SECTION 26 05 19 FOR VOLTAGE DROP REQUIREMENTS AND MAXIMUM ONE-WAY CIRCUIT LENGTH FOR ALL BRANCH WIRING AND HOMERUNS. INCREASE WIRE SIZE ACCORDINGLY.

(###) SHEET NOTES



1 / E4.4 ENLARGED FOOD SERVICE ELECTRICAL PLAN AREA 3
Scale: 1/4" = 1'-0"

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8112 Maryland Ave., Ste 400 | Clayton, MO
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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
ENLARGED FOOD SERVICE ELECTRICAL PLAN

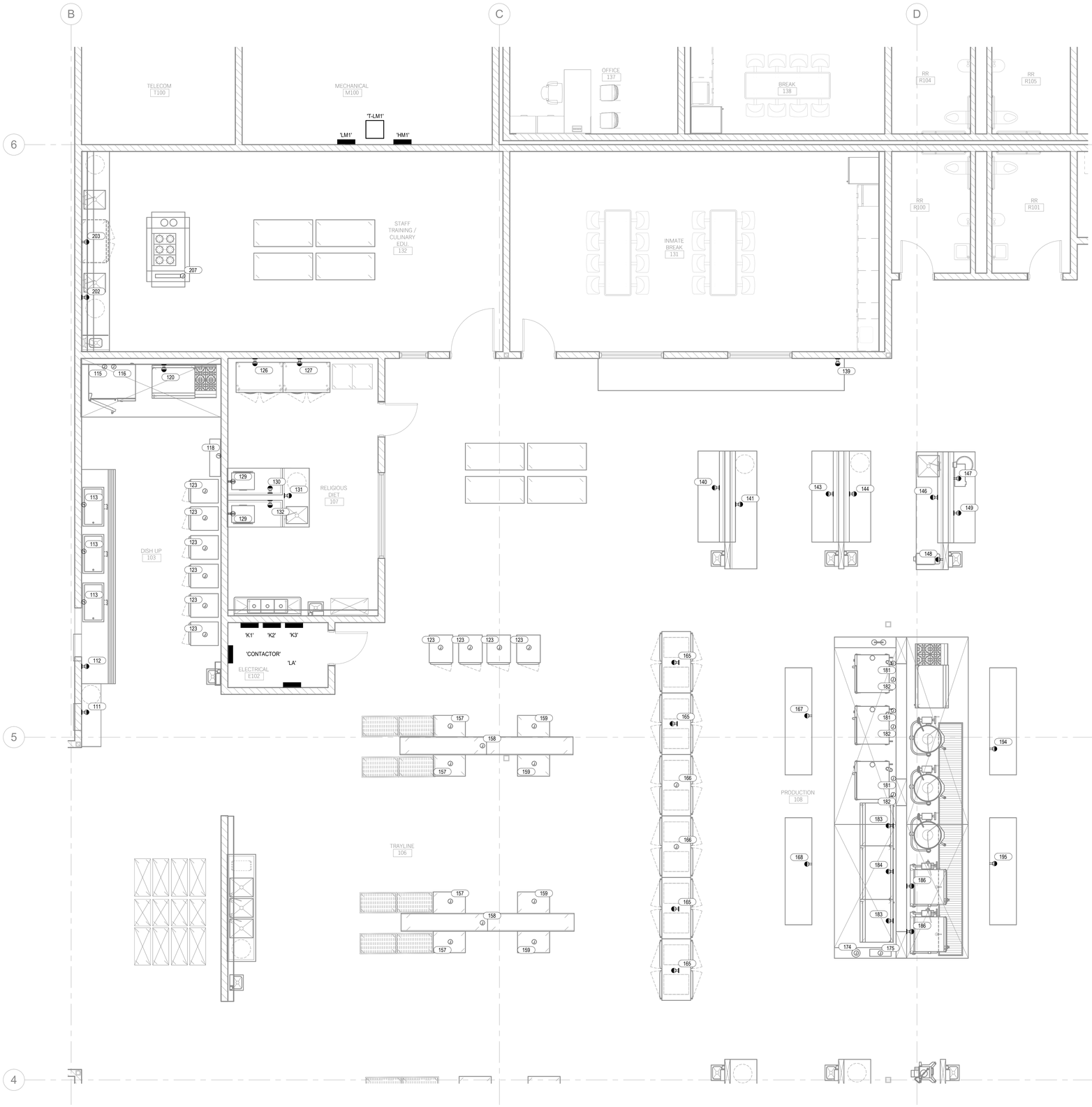
job number
25015

date
OCTOBER 26, 2026

drawing number
E4.4

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10/26/26

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GENERAL NOTES

1. (E) AND/OR SOLID HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL COORDINATE FINAL RECEPTACLE LOCATIONS WITH TELECOM OUTLETS PRIOR TO ROUGH-IN. EACH TELECOM OUTLET SHALL HAVE A RECEPTACLE LOCATED WITHIN 12", MEASURED FROM CENTER OF DEVICES.
3. MODULAR FURNITURE: ELECTRICAL CONTRACTOR RESPONSIBLE FOR ON-SITE COORDINATION WITH FURNITURE SUPPLIER TO VERIFY FINAL WIRING REQUIREMENTS, CIRCUITING, J-BOX LOCATIONS, ETC. PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR TO PROVIDE ALL HARDWARE AND ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION. FURNITURE SUPPLIER TO PROVIDE POWER WHIPS, ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS TO FURNITURE.
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(###) SHEET NOTES

KITCHEN EQUIPMENT SCHEDULE

ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	NOTES	QUANTITY
111	SERVING WINDOW TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
112	SERVING WINDOW TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
113	DROP IN HOT WELLS	208 V	2	2662 VA	-	RECEPTACLE	NEMA 6-30R	-		3
115	COMBI-OVEN	120 V	1	816 VA	-	HARDWIRE	HARDWIRE	-		1
116	COMBI-OVEN	120 V	1	816 VA	-	HARDWIRE	HARDWIRE	-		1
118	FIRE SUPRESSION SYSTEM	120 V	1	1000 VA	-	HARDWIRE	HARDWIRE	-		1
120	GRIDDLE WITH STAND	120 V	1	120 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
123	MOBILE HOT CABINET	120 V	1	1440 VA	-	HARDWIRE	HARDWIRE	-		1
126	REACH IN FRIDGE	120 V	1	912 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
127	REACH IN FREEZER	120 V	1	1128 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
129	MICROWAVE	208 V	2	1800 VA	-			-		2
130	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
131	PREP TABLE W/SINK	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
132	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
139	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
140	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
141	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
143	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
144	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
146	PREP TABLE W/SINK	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
147	MEAT GRINDER	120 V	1	1680 VA	-	GFCI RECEPTACLE	NEMA 5-20R	-		1
148	FOOD CUTTER	120 V	1	1440 VA	-	GFCI RECEPTACLE	NEMA 5-20R	-		1
149	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
157	MOBILE COLD FOOD COUNTER	120 V	1	180 VA	-	HARDWIRE	HARDWIRE	-		4
158	S/S TRAY ASSEMBLY TABLES	208 V	3	15000 VA	1"C.W/(3) #6's & #10G	RECEPTACLE	NEMA 6-30R	-		2
159	MOBILE HOT FOOD COUNTER	120 V	1	480 VA	-	HARDWIRE	HARDWIRE	-		4
165	PASS THRU FRIDGE	120 V	1	1032 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		4
166	PASS THRU HEATED CABINET	208 V	3	5580 VA	-	RECEPTACLE	NEMA 6-30R	-		2
167	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-20R	-		1
168	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-20R	-		1
174	FIRE PROTECTION SYSTEM	120 V	1	1000 VA	-	HARDWIRE	HARDWIRE	-		1
175	DCKV HOOD CONTROLS	120 V	1	1000 VA	-	HARDWIRE	HARDWIRE	-		1
181	COMBI-OVEN	120 V	1	816 VA	-	HARDWIRE	HARDWIRE	-		3
182	COMBI-OVEN	120 V	1	816 VA	-	HARDWIRE	HARDWIRE	-		3
183	GRIDDLE WITH STAND	120 V	1	120 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		2
184	GRIDDLE WITH STAND	120 V	1	120 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
186	40 GALLON TILT SKILLET	120 V	1	168 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		2
194	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-20R	-		1
195	WORK TABLE	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-20R	-		1
202	WORK COUNTER	120 V	1	480 VA	-	GFCI RECEPTACLE	NEMA 5-15R	-		1
203	U.C. REFRIGERATOR	120 V	1	864 VA	-	GFCI RECEPTACLE	NEMA 5-20R	-		1
207	HOOD CONTROL PANEL	120 V	1	500 VA	-	HARDWIRE	HARDWIRE	-		1

1 E4.5

ENLARGED FOOD SERVICE ELECTRICAL PLAN AREA 4

Scale: 1/4" = 1'-0"

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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
ENLARGED FOOD SERVICE ELECTRICAL PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
E4.5

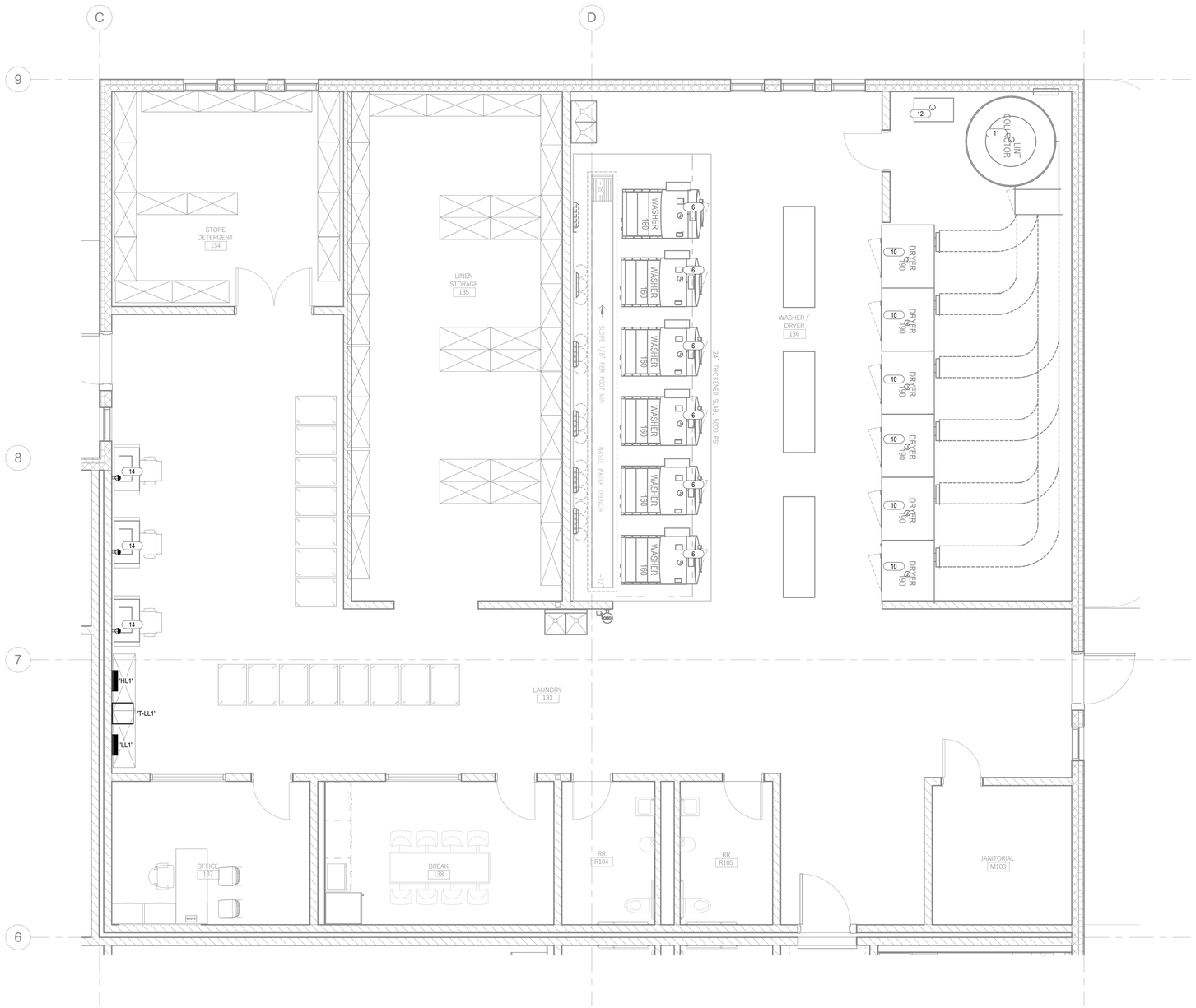
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KITCHEN EQUIPMENT SCHEDULE										
ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	NOTES	QUANTITY
6	160 LB WASHER/EXTRACTOR	480 V	3	15789 VA	3/4" C. W/(3)#10's & #10G	HARDWIRE	HARDWIRE	-		6
10	160 LB WASHER/EXTRACTOR	480 V	3	11717 VA	-	HARDWIRE	HARDWIRE	-		6
11	LINT COLLECTOR	120 V	1	360 VA	-	HARDWIRE	HARDWIRE	-		1
12	AIR COMPRESSOR	480 V	3	10803 VA	-	HARDWIRE	HARDWIRE	-		1
14	SEWING MACHINE	120 V	1	840 VA	-	GFCI RECEPTACLE	NEMA 5-20R	-		3

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(###) SHEET NOTES



1 E4.6 ENLARGED LAUNDRY EQUIPMENT ELECTRICAL PLAN

Scale: 1/4" = 1'-0"

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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

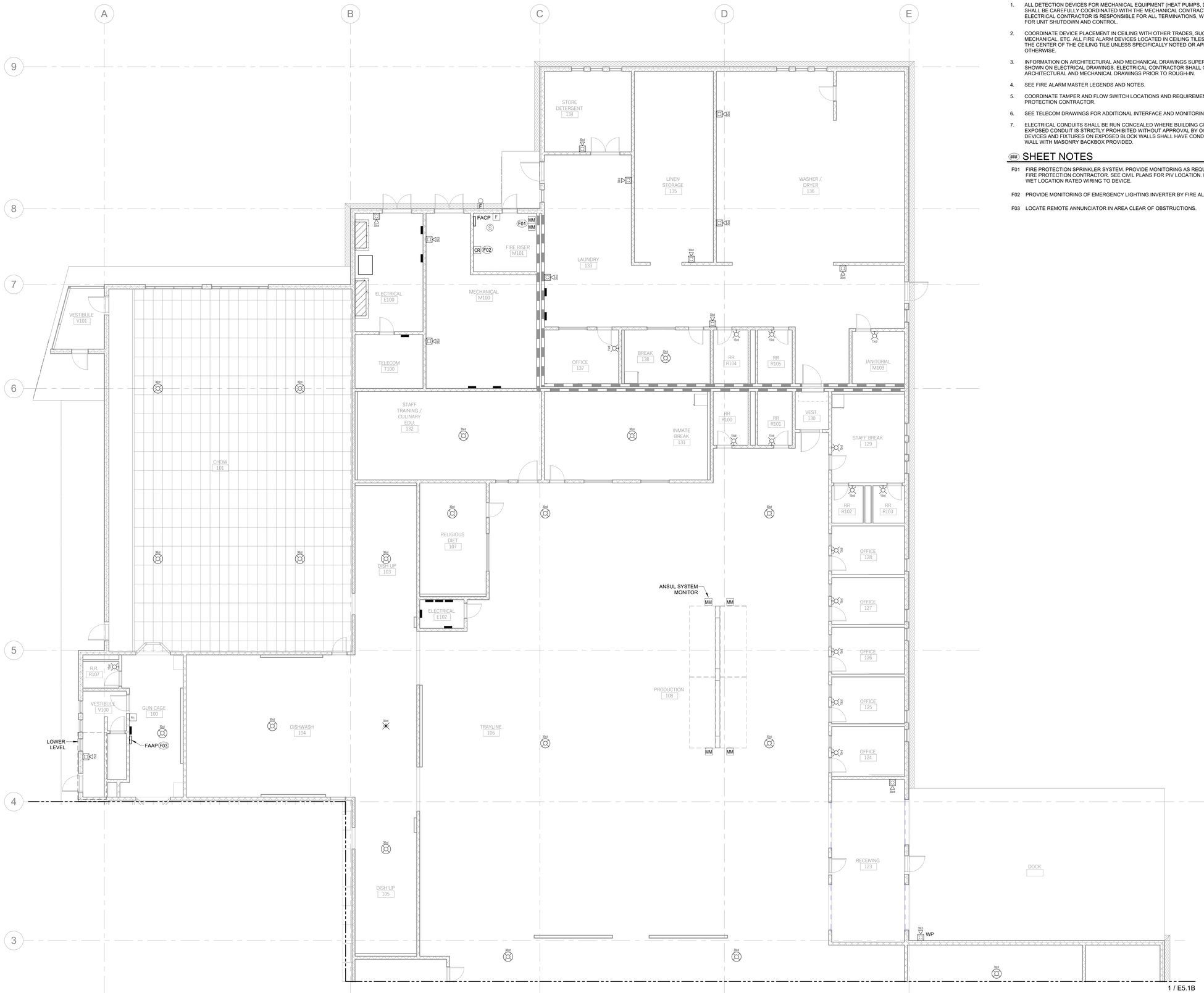
drawing title
ENLARGED LAUNDRY EQUIPMENT ELECTRICAL PLAN

job number
25015

date
OCTOBER 26, 2026

drawing number
E4.6

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GENERAL NOTES

1. ALL DETECTION DEVICES FOR MECHANICAL EQUIPMENT (HEAT PUMPS, DAMPERS, FANS, ETC) SHALL BE CAREFULLY COORDINATED WITH THE MECHANICAL CONTRACTOR FOR INSTALLATION. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL TERMINATIONS, WIRING, AND CONNECTIONS FOR UNIT SHUTDOWN AND CONTROL.
2. COORDINATE DEVICE PLACEMENT IN CEILING WITH OTHER TRADES, SUCH AS LIGHTING, TELECOM, MECHANICAL, ETC. ALL FIRE ALARM DEVICES LOCATED IN CEILING TILES SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE UNLESS SPECIFICALLY NOTED OR APPROVED TO DO OTHERWISE.
3. INFORMATION ON ARCHITECTURAL AND MECHANICAL DRAWINGS SUPERSEDE INFORMATION SHOWN ON ELECTRICAL DRAWINGS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.
4. SEE FIRE ALARM MASTER LEGENDS AND NOTES.
5. COORDINATE TAMPER AND FLOW SWITCH LOCATIONS AND REQUIREMENTS WITH FIRE PROTECTION CONTRACTOR.
6. SEE TELECOM DRAWINGS FOR ADDITIONAL INTERFACE AND MONITORING THAT MAY BE REQUIRED.
7. ELECTRICAL CONDUITS SHALL BE RUN CONCEALED WHERE BUILDING CONSTRUCTION ALLOWS. EXPOSED CONDUIT IS STRICTLY PROHIBITED WITHOUT APPROVAL BY OWNER. ALL CONDUITS TO DEVICES AND FIXTURES ON EXPOSED BLOCK WALLS SHALL HAVE CONDUIT RUN WITHIN BLOCK WALL WITH MASONRY BACKBOX PROVIDED.

SHEET NOTES

F01 FIRE PROTECTION SPRINKLER SYSTEM. PROVIDE MONITORING AS REQUIRED. COORDINATE WITH FIRE PROTECTION CONTRACTOR. SEE CIVIL PLANS FOR PIV LOCATION. PROVIDE 3/4" PVC C. AND WET LOCATION RATED WIRING TO DEVICE.

F02 PROVIDE MONITORING OF EMERGENCY LIGHTING INVERTER BY FIRE ALARM SYSTEM.

F03 LOCATE REMOTE ANNUNCIATOR IN AREA CLEAR OF OBSTRUCTIONS.

1 / E5.1A **FIRE ALARM PLAN AREA A**
Scale: 1/8" = 1'-0"

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Revision Schedule

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CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FIRE ALARM PLAN AREA A

job number
25015

date
OCTOBER 26, 2026

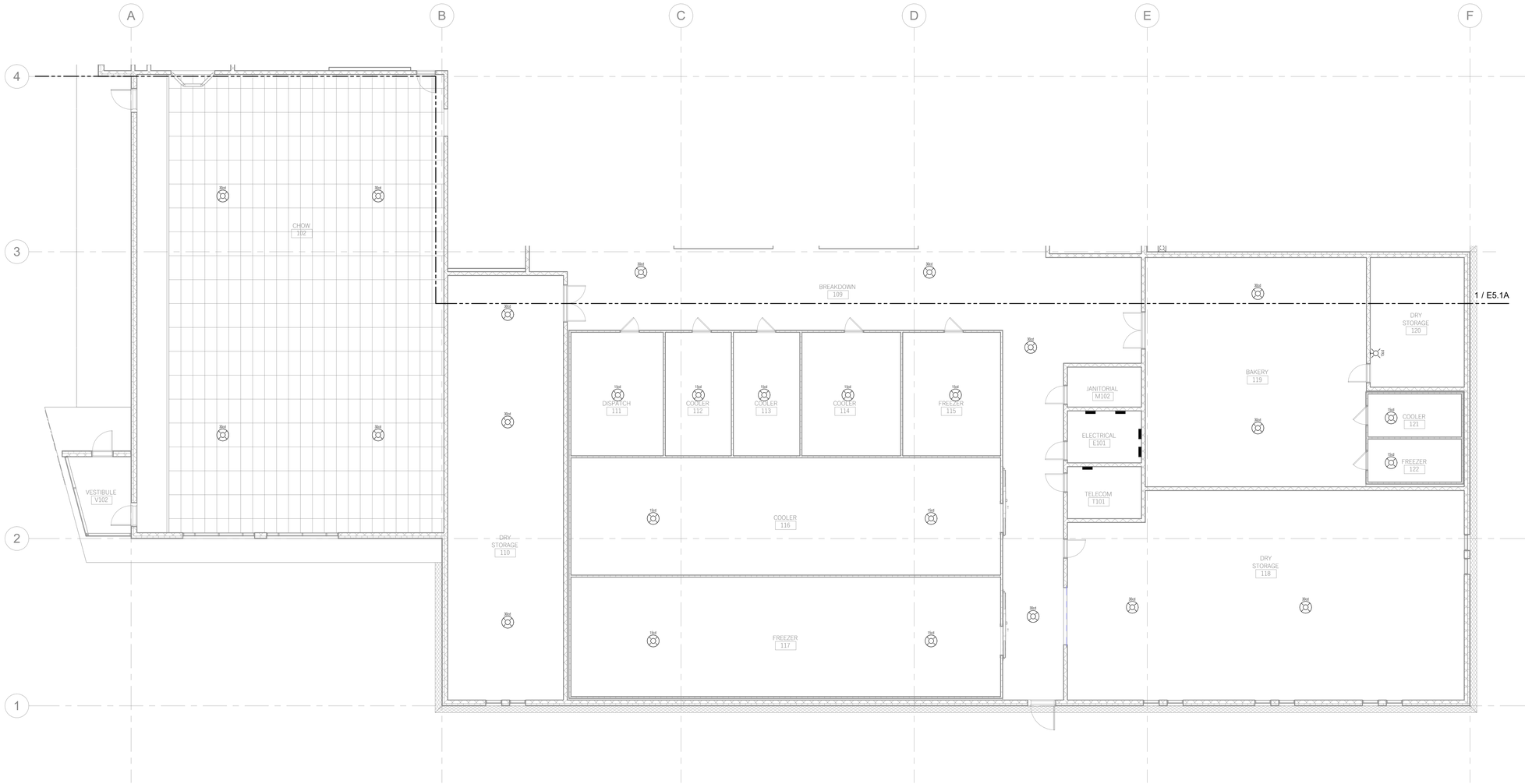
drawing number
E5.1A

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GENERAL NOTES

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(###) SHEET NOTES



1 / E5.1B FIRE ALARM PLAN AREA B
Scale: 1/8" = 1'-0"

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Revision Schedule

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CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

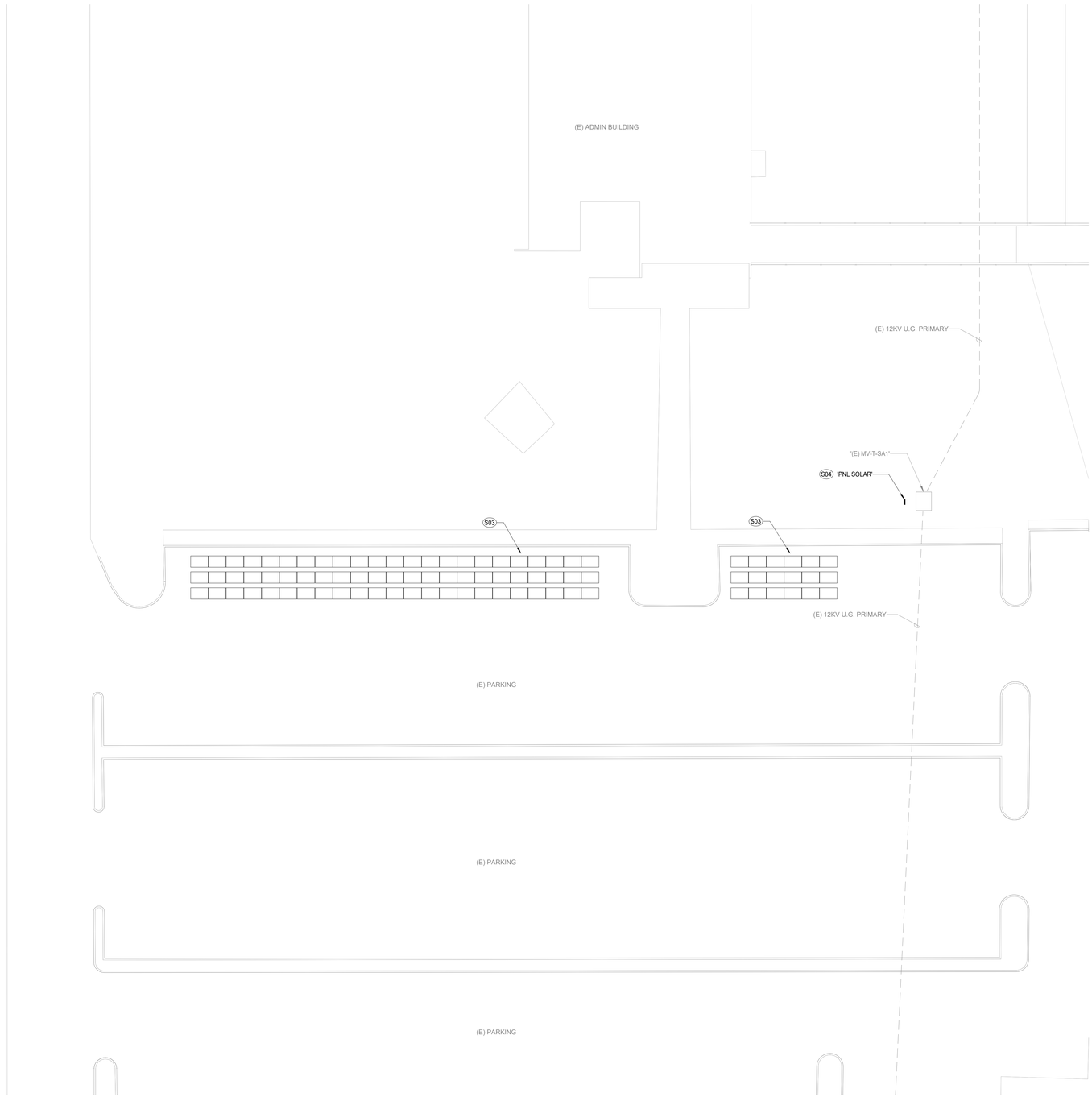
drawing title
FIRE ALARM PLAN AREA B

job number
25015

date
OCTOBER 26, 2026

drawing number
E5.1B

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1 E6.1 ELARGED PHOTOVOLTAIC ARRAY PLAN

Scale: 1/16" = 1'-0"

GENERAL NOTES

1. (E) AND/OR SOLID HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
2. SEE ONELINE DIAGRAM(S) FOR CONDUIT, WIRE SIZES AND EQUIPMENT REQUIREMENTS.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH APPLICABLE UTILITY COMPANY'S DRAWINGS AND REPRESENTATIVES FOR DETERMINING THE EXACT RESPONSIBILITY OF EACH PARTY.
4. SEE UTILITY DRAWINGS FOR ALL UTILITY WORK WORK REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING ALL WORK REQUIRED IN BID. COORDINATE WITH EACH SITE UTILITY.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL 811 FOR LOCATES PRIOR TO DIGGING. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL NON-UTILITY UNDERGROUND ITEMS.
6. THE MAXIMUM NUMBER OF CONDUIT BENDS SHOULD NOT BE GREATER THAN 270 DEGREES BETWEEN PULLING STRUCTURES. THIS INCLUDES THE AGGREGATE OF ALL HORIZONTAL AND VERTICAL CHANGES.
7. ALL CONDUIT, INNERDUCT, PULLBOXES AND VAULTS SHALL BE LABELED PER THE SPECIFICATIONS.
8. PROVIDE #10 CU CONDUCTORS IN 3/4" CONDUIT MINIMUM, UNLESS NOTED OTHERWISE, FOR ALL SITE LIGHTING AND SITE RECEPTACLE CIRCUITS.
9. ALL RECEPTACLES WITH WEATHER PROOF DESIGNATION SHALL BE PROVIDED WITH "WHILE IN USE" COVERS.
10. ALL CONDUIT, INNERDUCT, PULLBOXES AND VAULTS SHALL BE LABELED PER THE SPECIFICATIONS.
11. EACH CONDUIT AND INNERDUCT SHALL BE PROVIDED WITH A 1250 LBS. PULL ROPE.
12. COORDINATE LOCATION OF BELOW-GRADE CONDUITS, DUCT BANKS, ETC. WITH CIVIL ENGINEER AND OTHER TRADES PRIOR TO ROUGH-IN.
13. REFER TO SPECIFICATION SECTION 26 05 19 FOR VOLTAGE DROP REQUIREMENTS AND MAXIMUM ONE-WAY CIRCUIT LENGTH FOR ALL BRANCH WIRING AND HOMERUNS. INCREASE WIRE SIZE ACCORDINGLY.

SHEET NOTES

S03 34KW DC CARPORT MOUNTED PHOTOVOLTAIC ARRAY. SEE SPECIFICATIONS AND ONELINE DIAGRAMS.

S04 PV INTERCONNECTION EQUIPMENT (DISCONNECT, METER/CT'S, 480VAC PANELBOARD). SEE ONELINE DIAGRAM (E0.5). MOUNT TO UNISTRUT STAND WITH 4" CONCRETE PAD.

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DESIGN DEVELOPMENT

drawing title
ENLARGED PV ARRAY PLAN

job number
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drawing number
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NOT FOR CONSTRUCTION
10/26/26

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TELECOM AND A/V GENERAL NOTES

ITEM	DESCRIPTION
1.	STANDARDS AND CODES : ALL TELECOMMUNICATIONS (TELECOM) WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) AND ANSI/TIA STANDARDS REFERENCED IN THE DIVISION 27 SPECIFICATIONS.
2.	GENERAL REQUIREMENTS : INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, STORAGE COSTS, EXCAVATION, TRAINING, INSURANCE, TEMPORARY PROTECTION, PERMITS, INSPECTIONS, TAXES AND ALL NECESSARY AND RELATED ITEMS REQUIRED TO PROVIDE COMPLETE AND OPERATIONAL TELECOM SYSTEM AS SHOWN ON THE CONTRACT DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS. THE DIVISION 26 ELECTRICAL CONTRACTOR AND THE DIVISION 27 TELECOM CONTRACTOR ARE RESPONSIBLE FOR THE WORK SHOWN ON THE TELECOM DRAWINGS AND DESCRIBED IN THE DIVISION 27 SPECIFICATIONS. INFORMATION SHOWN ON THE TELECOM DRAWINGS IS DIAGRAMMATIC. FIELD VERIFY ALL DIMENSIONS, LOCATIONS, AND LAYOUT. REVIEW ALL ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL AND SPECIALTY SYSTEMS DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OR CONDITIONS SHOWN THEREON. DO NOT SCALE THE TELECOM PLANS FOR RACEWAY, OUTLET, RACK OR EQUIPMENT LOCATIONS.
3.	RACEWAY : THE DIVISION 26 ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, SUPPORT AND SEISMIC BRACING OF ALL RACEWAY SHOWN ON THE TELECOM DRAWINGS AND DESCRIBED IN THE DIVISION 27 SPECIFICATIONS. THIS INCLUDES BUT IS NOT LIMITED TO ALL OUTLET BOXES, CONDUIT, VAULTS, PULL BOXES, PULL STRING, SLEEVES AND PLYWOOD BACKBOARDS. WHERE RACEWAY IS SHOWN ON THE TELECOM DRAWINGS BUT NOT SPECIFIED IN THE DIVISION 27 SPECIFICATIONS, THE RACEWAY WILL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE DIVISION 26 SPECIFICATIONS. THE DIVISION 26 ELECTRICAL CONTRACTOR SHALL INSTALL WALL, FLOOR, CEILING OR FURNITURE MOUNTED OUTLET BOXES AT ALL TELECOM OUTLETS AND WILL INSTALL AN 1 1/4" EMT CONDUIT (UON) FROM THE OUTLET BOX TO ACCESSIBLE CEILING SPACE. THE TELECOM CONTRACTOR SHALL INSTALL J-HOOKS SPACED AT 5'-0" O.C. FROM THIS POINT TO THE BASKET TRAY. WHERE NO ACCESSIBLE CEILING SPACE EXISTS OR IN AREAS EXPOSED TO STRUCTURE, HOMERUN CONDUIT FROM THE TELECOM OUTLET TO THE TELECOM ROOM. NO EXPOSED TELECOM CABLING IS PERMITTED WITH THE EXCEPTION OF CABLING ROUTED WITHIN THE TELECOM ROOM. ALL CABLING MUST BE ROUTED CONCEALED ABOVE ACCESSIBLE CEILINGS OR ROUTED IN CONDUIT. ALL CONDUIT EXPOSED TO VIEW SHALL BE PAINTED TO MATCH ADJACENT SURFACES. THE DIVISION 26 ELECTRICAL CONTRACTOR SHALL INSTALL CONDUIT FOR ROUTING OF HORIZONTAL TELECOM CABLING ROUTED IN INACCESSIBLE CEILING OR WALL SPACES. CONDUIT SHALL BE SIZED SO AS NOT TO EXCEED 20% FILL RATE. ALL RACEWAY SHALL BE RUN PERPENDICULAR TO BUILDING GRID LINES. TELECOM RACEWAY SHALL BE INSTALLED SO THAT THE FOLLOWING MINIMUM CLEAR DISTANCES ARE MAINTAINED FROM SOURCES OF ELECTRO-MAGNETIC INTERFERENCE (EMI). 6" CLEAR FROM POWER CABLES, 12" CLEAR FROM FLUORESCENT LIGHTING BALLASTS AND LED LIGHTING DRIVERS, AND 36" CLEAR FROM TRANSFORMERS AND MOTORS. THE DIVISION 26 ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL ACCESS DOORS REQUIRED TO PROVIDE REASONABLE ACCESS FOR THE INSTALLATION OF ALL TELECOM CABLING.
4.	FIRESTOPPING : ALL PENETRATIONS THROUGH FIRE RATED OR ACOUSTICAL WALLS MUST BE FIRE STOPPED WITH A UL LISTED FIRE STOP ASSEMBLY. ALL FIRE STOPPING ASSEMBLIES SHALL SHALL MEET OR EXCEED THE RATING OF THE WALL OR FLOOR BEING PENETRATED. THE DIVISION 26 ELECTRICAL CONTRACTOR SHALL PROVIDE STI EZ-PATH FIRE-RATED PATHWAY DEVICES AT ALL TELECOM RACEWAY PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES. INSTALL PATHWAY DEVICES IN ACCORDANCE WITH THE MANUFACTURER'S LISTING AND REQUIREMENTS. THE DIVISION 27 TELECOM CONTRACTOR SHALL INSTALL TELECOM CABLING THROUGH THE PROVIDED STI EZ-PATH FIRE-RATED PATHWAY DEVICES AND SHALL MAINTAIN THE FIRE-RATED INTEGRITY OF ALL PENETRATIONS IN ACCORDANCE WITH THE MANUFACTURER'S LISTING AND REQUIREMENTS.
5.	GROUNDING AND BONDING : ALL TELECOM RACEWAYS, BUILDING ENTRANCE TERMINALS, BACKBONE CABLE SHIELDS, EQUIPMENT RACKS AND EQUIPMENT SHALL BE BONDED AND GROUNDED. THE DIVISION 26 ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL GROUNDING WORK SHOWN ON THE TELECOM DRAWINGS OR DESCRIBED IN THE DIVISION 27 SPECIFICATIONS. THIS INCLUDES BUT IS NOT LIMITED TO INSTALLATION OF ALL COPPER GROUNDING BUS BARS, GROUNDING CONDUCTORS, CONDUIT, GROUNDING BUSHINGS, LUGS, ETC. THE DIVISION 27 CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING ANY SPECIALTY GROUNDING BRACKETS TO FACILITATE ATTACHMENT OF GROUNDING CONDUCTORS TO THE TELECOM EQUIPMENT RACKS, EQUIPMENT CABINETS OR WIRING BLOCKS. THE DIVISION 27 CONTRACTOR IS RESPONSIBLE FOR LABELING ALL OF THE GROUNDING RELATED ITEMS SHOWN ON THE TELECOM DRAWINGS OR DESCRIBED IN THE DIVISION 27 SPECIFICATIONS.
6.	STRUCTURED CABLING : THE DIVISION 27 TELECOM CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL REMAINING WORK SHOWN ON THE TELECOM DRAWINGS OR DESCRIBED IN THE DIVISION 27 SPECIFICATIONS. THIS INCLUDES BUT IS NOT LIMITED TO HORIZONTAL DATA CABLING, BACKBONE DATA CABLING, TELECOM OUTLET FACEPLATES, TELECOM OUTLET JACKS, DATA PATCH PANELS, EQUIPMENT CABINETS, RACK MOUNTED CABLE MANAGEMENT DEVICES, VELCRO CABLE TIES, D-RINGS, PATCH CORDS, STATION CORDS, CROSS CONNECT WIRE, LABELING, CABLE TESTING AND CERTIFICATION, ETC.
7.	TELECOM RACKS : ALL TELECOM RACKS SHALL BE 4-POST EQUIPMENT FRAMES WITH 19" RACK MOUNTING SPACES. CABINETS SHALL BE CONSTRUCTED OF HIGH STRENGTH ALUMINUM WITH A BLACK FINISH. CABINETS SHALL BE SECURED TO THE FLOOR WITH QTY (4) 1/2" DIAMETER CONCRETE EXPANSION ANCHORS. CABLING AND TERMINATIONS : CABLING AND TERMINATIONS: ALL PREMISE HORIZONTAL DATA CABLING, DATA PATCH CORDS, AND WORK AREA CORDS SHALL BE CATEGORY 6A UNSHIELDED TWISTED PAIR (UTP). ALL DATA PATCH PANELS AND DATA OUTLET JACKS SHALL BE CATEGORY 6A. HORIZONTAL CATEGORY 6A DATA CABLING SHALL BE PURPLE WITH A PLENUM-RATED JACKET (CMP) UNLESS OTHERWISE NOTED. PROVIDE MATCHING PURPLE MODULAR JACKS FOR ALL DATA OUTLETS. HORIZONTAL CATEGORY 6A SECURITY CABLING SHALL BE ORANGE WITH A PLENUM-RATED JACKET (CMP), UNLESS OTHERWISE NOTED. TERMINATE SECURITY CABLING AT DEVICE LOCATIONS USING CATEGORY 6A FIELD-TERMINABLE PLUGS COMPATIBLE WITH THE BASIS OF DESIGN MANUFACTURER. PROVIDE TERMINATION HARDWARE SUITABLE FOR DIRECT CONNECTION TO SECURITY DEVICES, INCLUDING BUT NOT LIMITED TO CCTV CAMERAS, ACCESS CONTROL DEVICES, AND OTHER NETWORKED SECURITY EQUIPMENT. CATEGORY 6A CABLING ROUTED IN OR UNDER SLAB-ON-GRADE SHALL BE BLACK WITH AN INDOOR/OUTDOOR RATED JACKET (CMP/CMX). THIS INCLUDES CABLING ROUTED TO FLOOR BOXES. CABLING ROUTED UNDERGROUND EXTERIOR TO THE BUILDING SHALL BE OSP RATED. NO SPLICES SHALL BE PERMITTED IN TELECOMMUNICATIONS CABLING UNLESS EXPLICITLY INDICATED ON THE DRAWINGS. THE MAXIMUM HORIZONTAL CABLE LENGTH FROM TELECOM OUTLET TO TERMINATION IN THE TELECOM ROOM SHALL BE 295 FEET. NOTIFY THE ENGINEER OF ANY RUNS EXCEEDING THIS LENGTH PRIOR TO INSTALLATION. PROVIDE SLACK AT CONDUIT SLEEVE TRANSITIONS AND AT CHANGES IN DIRECTION FROM HORIZONTAL TO VERTICAL PATHWAYS. PROVIDE A MINIMUM 10'-0" SERVICE LOOP IN TELECOM ROOMS FOR ALL HORIZONTAL CABLING. INSTALL CABLING IN A NEAT AND WORKMANLIKE MANNER. BUNDLE AND DRESS CABLES IN TELECOM ROOMS USING VELCRO TIES AT MAXIMUM 12" INTERVALS. DO NOT EXCEED 24 CABLES PER BUNDLE. IN CABLE TRAYS, CABLING SHALL BE INSTALLED IN NEAT, ORGANIZED GROUPINGS. DO NOT BUNDLE CABLING IN GROUPS EXCEEDING 24 CABLES. WHERE BUNDLING IS REQUIRED FOR CABLE MANAGEMENT, PROVIDE LOOSE CABLE BUNDLES SPACED NOT MORE THAN 24" O.C. REFER TO GENERAL NOTE 8 ON SHEET 4/T003 FOR ADDITIONAL REQUIREMENTS.
8.	TESTING AND CERTIFICATION : ALL DATA AND A/V CABLING SHALL BE TESTED AND CERTIFIED IN ACCORDANCE WITH THE DIVISION 27 SPECIFICATIONS. CERTIFIED TEST REPORTS SHALL BE SUBMITTED FOR APPROVAL AT THE COMPLETION OF THE PROJECT.
9.	SUPERVISION: CONTRACTOR SHALL HAVE BICSI CERTIFIED INSTALLERS AND TECHNICIANS ON STAFF AND ASSIGN THEM TO THE PROJECT. A MINIMUM OF 30 PERCENT OF ON-SITE CONTRACTOR PERSONNEL SHALL BE BICSI CERTIFIED INSTALLERS. THE FIELD SUPERVISOR SHALL BE A BICSI CERTIFIED TECHNICIAN OR RCDD WITH MINIMUM 3 YEARS EXPERIENCE IN THE INSTALLATION OF STRUCTURED CABLING AND TELECOMMUNICATION SYSTEMS.
10.	AS-BUILT DRAWINGS : PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL PROVIDE ONE SET OF AS-BUILT TELECOM DRAWINGS IN PDF FORMAT INDICATING THE FOLLOWING ADDITIONAL INFORMATION: ROUTING OF RACEWAY LARGER THAN 2", QTY AND LAYOUT OF ALL TELECOM OUTLETS, QUANTITY OF TELECOM DROPS AT EACH OUTLET, LOCATION OF ALL GROUNDING AND BONDING CONNECTIONS, CONTRACTORS NAME, ADDRESS AND PHONE NUMBER. RECORD NOTATIONS SHALL BE CLEARLY DRAWN WITH A DRAFTING APPEARANCE EQUAL TO THE ORIGINAL DRAWINGS.
11.	EXAMINATION OF SITE : BEFORE SUBMITTING A PROPOSAL, THE CONTRACTOR SHALL EXAMINE THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING OF THE AMOUNT OF WORK INVOLVED OR LACK OF KNOWLEDGE OF ANY SITE CONDITIONS WHICH MAY AFFECT THE WORK. ANY APPARENT VARIANCE OF THE DRAWINGS OR SPECIFICATIONS FROM THE EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER BEFORE SUBMITTING A PROPOSAL.
12.	GUARANTEE : THE CATEGORY 6A STRUCTURED CABLING SYSTEM INCLUDING HORIZONTAL CABLING, PATCH PANELS, PATCH CORDS AND TELECOM OUTLET JACKS SHALL CARRY A MINIMUM TWENTY (20) YEAR MANUFACTURER WARRANTY FROM LEVITON OR APPROVED EQUAL. FIBER OPTIC BACKBONE CABLING SYSTEMS, INCLUDING FIBER OPTIC CABLING, CONNECTORS, TERMINATIONS, AND ASSOCIATED PASSIVE COMPONENTS, SHALL CARRY A MINIMUM TWENTY-FIVE (25) YEAR MANUFACTURER WARRANTY FROM CORNING OR APPROVED EQUAL. THE COMPLETE TELECOM SYSTEM AND ALL PORTIONS THEREOF, SHALL BE GUARANTEED TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. PROMPTLY REMEDY SUCH DEFECTS AND ANY SUBSEQUENT DAMAGE CAUSED BY THE DEFECTS OR REPAIR THEREOF AT NO EXPENSE TO THE OWNER. SEE THE DIVISION 27 SPECS FOR ADDITIONAL WARRANTY AND/OR EXTENDED WARRANTY REQUIREMENTS.
13.	SUBSTANTIAL COMPLETION : THE FOLLOWING ARE PREREQUISITES FOR SUBSTANTIAL COMPLETION OF THE TELECOM SYSTEM: ALL WORK COMPLETED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PUNCH LIST ITEMS COMPLETED AND SIGNED OFF, CERTIFIED CABLE TEST REPORTS SUBMITTED AND APPROVED, AS-BUILT DRAWINGS AND TERMINATION SCHEDULES SUBMITTED AND APPROVED, MFG'S WARRANTY AND CONTRACTOR'S GUARANTEE SUBMITTED, EXTRA STOCK ITEMS TURNED OVER TO THE OWNER.

TELECOM DRAWING SCHEDULE

SHEET	DESCRIPTION	
T0.1	TELECOM LEGEND, GENERAL NOTES AND DRAWING SCHEDULE	•
T0.2	TELECOM DETAILS	•
T0.3	TELECOM DETAILS	•
T0.4	TELECOM DETAILS	•
T0.5	TELECOM DETAILS	•
T0.6	TELECOM DIAGRAMS	•
T0.7	TELECOM DIAGRAMS	•
T0.8	TELECOM SCHEDULES	•
T1.1	OVERALL TELECOM SITE PLAN	•
T1.2	TELECOM SITE PLAN	•
T2.1A	TELECOM PLAN AREA A	•
T2.1B	TELECOM PLAN AREA B	•
T3.1A	SECURITY PLAN AREA A	•
T3.1B	SECURITY PLAN AREA B	•
T4.1	TELECOM ENLARGED PLANS	•
T4.2	TELECOM ENLARGED PLANS	•
TOTAL SHEETS IN ISSUE: 16		

PROGRAMMABLE LOGIC CONTROLS (PLC) SYSTEM GENERAL NOTES

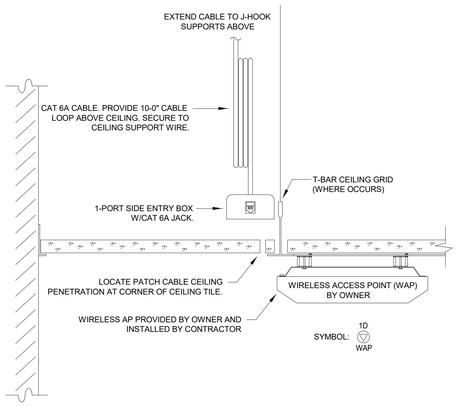
ITEM	DESCRIPTION
1.	STANDARDS AND CODES: ALL PLC DETENTION CONTROL SYSTEM WORK SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70 (NEC), UL 294, UL 1076, NFPA 1225, APPLICABLE OWNER REQUIREMENTS, NEVADA DEPARTMENT OF CORRECTIONS STANDARDS, AND DIVISION 40 SPECIFICATIONS.
2.	SCOPE OF WORK: THE DIVISION 26 ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE END-TO-END RACEWAY SYSTEM FOR THE PLC DETENTION CONTROL SYSTEM INCLUDING CONDUIT, BACK BOXES, WIRING GUTTERS, DEVICE ROUGH-IN, RELATED SUPPORTS, PULL STRING, AND POWER CONNECTIONS AS REQUIRED. THE DIVISION 27 COMMUNICATIONS CONTRACTOR SHALL PROVIDE ALL NETWORK CABLING, FIBER OPTIC CABLING, BACKBONE CABLING, AND NETWORK INFRASTRUCTURE REQUIRED FOR PLC COMMUNICATIONS NETWORKS AS INDICATED. CABLING SHALL BE INSTALLED, TESTED, AND CERTIFIED IN ACCORDANCE WITH DIVISION 27 SPECIFICATIONS. THE DIVISION 40 DETENTION CONTROL SYSTEM INTEGRATOR SHALL PROVIDE, INSTALL, CONFIGURE, PROGRAM, TEST, COMMISSION, AND WARRANT ALL REMAINING PLC DETENTION CONTROL SYSTEM COMPONENTS INCLUDING CONTROL PANELS, PLC PROCESSORS, I/O MODULES, NETWORK SWITCHES, HMIS, OPERATOR WORKSTATIONS, CONTROL SOFTWARE, GRAPHICS, INTERFACE MODULES, FIELD DEVICE INTERFACES, SERVERS, SOFTWARE LICENSES, AND RELATED ACCESSORIES. THE DIVISION 40 SYSTEM INTEGRATOR SHALL BE RESPONSIBLE FOR ALL PLC PROGRAMMING, HMI CONFIGURATION, DATABASE DEVELOPMENT, GRAPHICS DEVELOPMENT, SEQUENCE OF OPERATION IMPLEMENTATION, INTERLOCK PROGRAMMING, SYSTEM TESTING, AND COMMISSIONING.
3.	GENERAL REQUIREMENTS: INFORMATION SHOWN ON THE DRAWINGS IS DIAGRAMMATIC. FIELD VERIFY ALL CONDITIONS, DIMENSIONS, EQUIPMENT LOCATIONS, DEVICE LOCATIONS, AND INSTALLATION REQUIREMENTS PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS. COORDINATE WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, SECURITY, TELECOMMUNICATIONS, DETENTION EQUIPMENT, AND OTHER TRADES.
4.	EXAMINATION OF SITE: CONTRACTOR SHALL EXAMINE SITE CONDITIONS AND VERIFY EXISTING CONDITIONS PRIOR TO BID AND INSTALLATION. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING.
5.	SUBMITTALS: SUBMIT PRODUCT DATA, SHOP DRAWINGS, NETWORK ARCHITECTURE DRAWINGS, CONTROL PANEL LAYOUTS, PLC I/O SCHEDULES, SEQUENCES OF OPERATION, GRAPHICS, AND PROGRAMMING DOCUMENTATION FOR REVIEW PRIOR TO PROCUREMENT OR FABRICATION.
6.	PATHWAYS AND RACEWAYS: PROVIDE CONDUIT FOR ALL PLC SYSTEM CABLING UNLESS OTHERWISE NOTED. PROVIDE COMPLETE PATHWAYS FOR CONTROL, COMMUNICATION, NETWORK, FIBER, AND DEVICE CABLING. ALL CABLING SHALL BE CONCEALED. EXPOSED CABLING IS NOT PERMITTED.
7.	CONTROL PANELS AND ROUGH-IN: PROVIDE BACKBOXES, CABINETS, TERMINATION ENCLOSURES, JUNCTION BOXES, CONTROL PANELS, AND ROUGH-IN REQUIRED FOR PLC SYSTEM INSTALLATION. COORDINATE ALL PANEL LOCATIONS WITH THE OWNER PRIOR TO INSTALLATION.
8.	CABLING: PROVIDE ALL CABLING REQUIRED FOR PLC CONTROL PANELS, REMOTE I/O PANELS, NETWORK EQUIPMENT, OPERATOR WORKSTATIONS, HMIS, INTERFACES, AND FIELD DEVICES. INSTALL CABLING WITHOUT SPLICES UNLESS SPECIFICALLY NOTED. REMOVE AND REPLACE DAMAGED OR DEFECTIVE CABLING.
9.	DETENTION GRADE INSTALLATION: ALL DEVICES, EQUIPMENT, CONDUITS, RACEWAYS, BOXES, ENCLOSURES, COVER PLATES, FASTENERS, AND ASSOCIATED COMPONENTS LOCATED IN INMATE ACCESSIBLE AREAS SHALL BE DETENTION GRADE AND INSTALLED USING TAMPER-RESISTANT HARDWARE.
10.	SYSTEM INTERFACES: COORDINATE PLC CONTROL SYSTEM INTERFACES WITH DETENTION DOORS, GATES, INTERLOCKS, SECURITY SYSTEMS, INTERCOM SYSTEMS, FIRE ALARM SYSTEMS, LIFE SAFETY SYSTEMS, AND OWNER-FURNISHED EQUIPMENT.
11.	CUTOVER REQUIREMENTS: EXISTING DETENTION CONTROL SYSTEMS SHALL REMAIN OPERATIONAL DURING CONSTRUCTION UNLESS SPECIFICALLY APPROVED OTHERWISE BY THE OWNER. PROVIDE DETAILED CUTOVER AND PHASING PLANS PRIOR TO SYSTEM MODIFICATIONS.
12.	FIRESTOPPING: SEAL ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS WITH UL LISTED FIRESTOPPING SYSTEMS MATCHING THE RATING OF THE ASSEMBLY.
13.	LABELING AND DOCUMENTATION: LABEL ALL CONTROL PANELS, DEVICES, CABLING, NETWORK EQUIPMENT, FIBER TERMINATIONS, I/O POINTS, AND EQUIPMENT IN ACCORDANCE WITH DIVISION 40 REQUIREMENTS. PROVIDE UPDATED POINT LISTS, WIRING DIAGRAMS, NETWORK DRAWINGS, AND SYSTEM DOCUMENTATION.
14.	POWER AND GROUNDING: COORDINATE ALL POWER REQUIREMENTS WITH DIVISION 26. PROVIDE GROUNDING AND BONDING FOR PLC PANELS, NETWORK EQUIPMENT, SERVERS, WORKSTATIONS, AND ASSOCIATED EQUIPMENT.
15.	TESTING AND COMMISSIONING: PERFORM COMPLETE FACTORY, FIELD, FUNCTIONAL, INTEGRATION, AND OWNER WITNESS TESTING OF ALL PLC CONTROL FUNCTIONS, INTERLOCKS, ALARMS, INDICATIONS, OPERATOR CONTROLS, NETWORK COMMUNICATIONS, AND EMERGENCY OPERATING MODES.
16.	TRAINING: PROVIDE OWNER TRAINING FOR OPERATORS, MAINTENANCE STAFF, SYSTEM ADMINISTRATORS, AND TECHNICAL PERSONNEL. TRAINING SHALL INCLUDE SYSTEM OPERATION, TROUBLESHOOTING, ALARM MANAGEMENT, PLC PROGRAMMING OVERVIEW, AND HMI OPERATION.
17.	COMPLETENESS OF WORK: NOT ALL DEVICES, PATHWAYS, INTERFACES, CABLING, SOFTWARE, PROGRAMMING, OR ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL PLC DETENTION CONTROL SYSTEM ARE NECESSARILY SHOWN. PROVIDE ALL ITEMS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM AS INTENDED.
18.	AS-BUILT DOCUMENTATION: PROVIDE RECORD DRAWINGS, PLC SOURCE CODE, HMI SOURCE FILES, SOFTWARE LICENSES, NETWORK CONFIGURATIONS, DEVICE DATABASES, BACKUP FILES, O&M MANUALS, AND TEST REPORTS PRIOR TO FINAL ACCEPTANCE.
19.	WARRANTY: PROVIDE A MINIMUM TWO (2) YEAR WARRANTY FOR ALL PLC DETENTION CONTROL SYSTEM HARDWARE, SOFTWARE, PROGRAMMING, INTEGRATION, AND INSTALLATION.

SECURITY SYSTEM GENERAL NOTES

ITEM	DESCRIPTION
1.	STANDARDS AND CODES: ALL SECURITY SYSTEM PATHWAY AND CABLING WORK SHALL BE INSTALLED IN ACCORDANCE WITH UL 294, UL 1076, NFPA 70 (NEC), AND APPLICABLE DIVISION 27 AND 28 SPECIFICATIONS.
2.	SCOPE OF WORK: THE DIVISION 26 ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE END-TO-END RACEWAY SYSTEM FOR THE VIDEO SURVEILLANCE CAMERA, DOOR ACCESS CONTROL, INTRUSION DETECTION AND DURESS ALARM SYSTEMS INCLUDING CONDUIT, BACK BOXES, WIRING GUTTERS, RELATED SUPPORTS AND PULL STRING. THE DIVISION 27 COMMUNICATIONS CONTRACTOR SHALL PROVIDE ALL CATEGORY 6A CABLING REQUIRED FOR THE VIDEO SURVEILLANCE CAMERAS AND ACCESS CONTROL SYSTEM DOOR CONTROLLERS. CABLING SHALL BE INSTALLED, TESTED AND CERTIFIED IN ACCORDANCE WITH THE DIVISION 27 SPECIFICATIONS. THE OWNER'S SECURITY CONTRACTOR SHALL PROVIDE, INSTALL, CONFIGURE AND TEST ALL REMAINING SECURITY RELATED ITEMS INCLUDING FIELD DEVICES, CABLING, CONTROLLERS, HEAD-END CONTROL PANELS, HEAD-END SERVERS, SOFTWARE AND LICENSING. THE OWNER'S SECURITY CONTRACTOR IS RESPONSIBLE FOR SECURITY SYSTEM PROGRAMMING, CONFIGURATION AND COMMISSIONING. FOR THE VIDEO SURVEILLANCE CAMERA SYSTEM, THE OWNER'S SECURITY CONTRACTOR SHALL PROVIDE ALL CAMERAS, CAMERA MOUNTS, VIDEO RECORDING SERVERS, SOFTWARE AND LICENSING. FOR THE DOOR ACCESS CONTROL SYSTEM, THE OWNER'S SECURITY CONTRACTOR SHALL PROVIDE CARD READERS, DOOR CONTROLLERS, CABLING FROM THE DOOR CONTROLLERS TO FIELD DEVICES AT THE DOORS, HEAD-END SERVER, SOFTWARE AND LICENSING. FOR THE DURESS ALARM SYSTEM, THE OWNER'S SECURITY CONTRACTOR SHALL PROVIDE DURESS ALARM PUSH BUTTONS AND CABLING FROM THE DURESS ALARMS TO THE ACCESS CONTROL DOOR CONTROLLERS. FOR THE INTRUSION DETECTION SYSTEM, THE OWNER'S SECURITY CONTRACTOR SHALL ADDRESSABLE MAGNETIC DOOR POSITION CONTACTS, ADDRESSABLE MOTION DETECTORS, KEYPADS, CABLING FROM FIELD DEVICES TO THE CONTROL PANEL AND HEAD-END CONTROL PANEL.
3.	GENERAL REQUIREMENTS: INFORMATION SHOWN ON THE DRAWINGS IS DIAGRAMMATIC. FIELD VERIFY ALL CONDITIONS, DIMENSIONS, AND INSTALLATION REQUIREMENTS PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS. COORDINATE WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND OTHER TRADES.
4.	EXAMINATION OF SITE: CONTRACTOR SHALL EXAMINE SITE CONDITIONS AND VERIFY EXISTING CONDITIONS PRIOR TO BID AND INSTALLATION. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING.
5.	SUBMITTALS: SUBMIT PRODUCT DATA AND SHOP DRAWINGS FOR PATHWAYS, BACKBOXES, AND CABLING FOR REVIEW. COORDINATE SUBMITTALS WITH THE OWNER'S SECURITY CONTRACTOR.
6.	RACEWAY AND PATHWAYS: PROVIDE CONDUIT FROM ALL SECURITY DEVICE LOCATIONS TO ACCESSIBLE CEILING SPACE, UNLESS OTHERWISE NOTED. CATEGORY 6A CABLING SERVING CCTV CAMERAS MAY BE ROUTED ABOVE ACCESSIBLE CEILINGS ON J-HOOKS SPACED AT 4'-0" O.C. OR IN CABLE TRAY WHERE PROVIDED. CATEGORY 6A CABLING SERVING DOOR CONTROLLERS SHALL BE INSTALLED IN CONDUIT. DOOR ACCESS CONTROL CABLING, INTRUSION DETECTION CABLING, AND DURESS ALARM CABLING SHALL BE INSTALLED IN CONDUIT. ALL CABLING SHALL BE CONCEALED. EXPOSED CABLING IS NOT PERMITTED.
7.	BACKBOXES AND ROUGH-IN: PROVIDE BACKBOXES AT ALL SECURITY DEVICE LOCATIONS. UNLESS OTHERWISE NOTED, PROVIDE 4 11/16" X 4 11/16" X 2-1/8" DEEP BOXES. PROVIDE CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE FOR CCTV DEVICE LOCATIONS. PROVIDE CONDUIT FOR HOMERUN CABLING AT DOOR CONTROLLER, ACCESS CONTROL, INTRUSION DETECTION, DURESS ALARM, AND OTHER SECURITY SYSTEM DEVICE LOCATIONS AS REQUIRED.
8.	CABLING: PROVIDE ALL CABLING REQUIRED FOR SECURITY DEVICES AS INDICATED. INSTALL CABLING WITHOUT SPLICES UNLESS SPECIFICALLY NOTED. REMOVE AND REPLACE DAMAGED OR DEFECTIVE CABLING. SECURITY CABLING ROUTED IN OR BELOW THE SLAB ON GRADE SHALL BE SUITABLE AND RATED FOR UNDERGROUND WET LOCATIONS.
9.	FIRESTOPPING: SEAL ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS WITH UL LISTED FIRESTOPPING SYSTEMS MATCHING THE RATING OF THE ASSEMBLY.
10.	LABELING AND TESTING: LABEL ALL CABLING AT BOTH ENDS IN ACCORDANCE WITH TIA-606-D. TEST CABLING IN ACCORDANCE WITH DIVISION 27 REQUIREMENTS.
11.	POWER AND GROUNDING: COORDINATE ALL POWER REQUIREMENTS WITH DIVISION 26. PROVIDE GROUNDING AND BONDING IN ACCORDANCE WITH DIVISION 27 SPECIFICATIONS.
12.	COORDINATION: COORDINATE ALL DEVICE LOCATIONS, CABLING REQUIREMENTS, AND FINAL CONNECTIONS WITH THE OWNER'S SECURITY CONTRACTOR, DIVISION 26, AND OTHER TRADES PRIOR TO ROUGH-IN.
13.	COMPLETENESS OF WORK: NOT ALL DEVICES, PATHWAYS, OR CABLING ARE SHOWN. PROVIDE ALL REQUIRED INFRASTRUCTURE FOR A COMPLETE AND OPERATIONAL SYSTEM AS INTENDED.

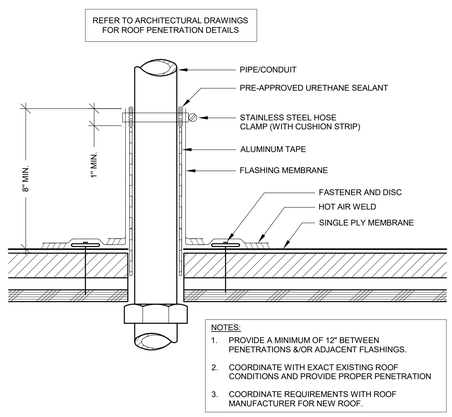
AUDIO VISUAL SYSTEM GENERAL NOTES

ITEM	DESCRIPTION
1.	STANDARDS AND CODES : ALL AUDIO / VISUAL (AV) WORK, SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/INFOCOMM STANDARDS, ANSI/TIA/EIA STANDARDS AND THE NATIONAL ELECTRIC CODE (NEC).
2.	DESCRIPTION OF WORK : THE AUDIO/VISUAL SYSTEM SCOPE OF WORK INCLUDES THE FOLLOWING: PROVIDE AND INSTALL FLAT PANEL DISPLAYS AND DISPLAY MOUNTS IN CONFERENCE ROOMS, BREAK ROOMS AND PUBLIC WAITING AREAS. INSTALL BACK BOXES BEHIND FLAT PANEL DISPLAYS IN CONFERENCE ROOMS WITH CONDUIT TO ACCESSIBLE CEILING SPACE. PROVIDE AND INSTALL EQUIPMENT RACKS/CABINETS AND OVERHEAD LADDER RACK IN "JAVS" EQUIPMENT ROOMS. INSTALL BACK BOXES AND CONDUIT IN HEARING ROOM AND QTY (4) COURTROOMS WITH CONDUIT ROUTED TO THE JAVS EQUIPMENT ROOMS. NOTE - ALL HEARING ROOM AND COURTROOM AV DEVICES, CABLING AND HEAD-END EQUIPMENT ARE TO BE PROVIDED AND INSTALLED BY OTHERS (JAVS).
3.	CONTRACTOR LICENSING, CERTIFICATION AND EXPERIENCE: THE CONTRACTOR SHALL BE LICENSED BY THE NEVADA STATE CONTRACTORS BOARD. THE AV CONTRACTOR SHALL HAVE A MINIMUM OF FIVE (5) YEARS EXPERIENCE IN THE INSTALLATION AND TESTING OF COMMERCIAL AV SYSTEMS OF SIMILAR SIZE AND SCOPE. THE CONTRACTOR SHALL BE A FIRM NORMALLY ENGAGED IN THE DESIGN, INSTALLATION AND MAINTENANCE OF AV SYSTEMS. THE CONTRACTOR SHALL PROVIDE DETAILS OF AT LEAST THREE (3) PROJECTS OF SIMILAR SIZE AND SCOPE INVOLVING THE DESIGN, INSTALLATION AND TESTING OF AV SYSTEMS WITHIN THE LAST 3 YEARS. NAMES, ADDRESSES AND TELEPHONE NUMBERS OF REFERENCES FOR THE THREE PROJECTS SHALL BE INCLUDED.
4.	GENERAL REQUIREMENTS : PROVIDE A COMPLETE AND OPERATIONAL AUDIO / VISUAL SYSTEMS AS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, CABLING AND ANCILLARY ITEMS REQUIRED FOR A COMPLETE AND OPERABLE SYSTE



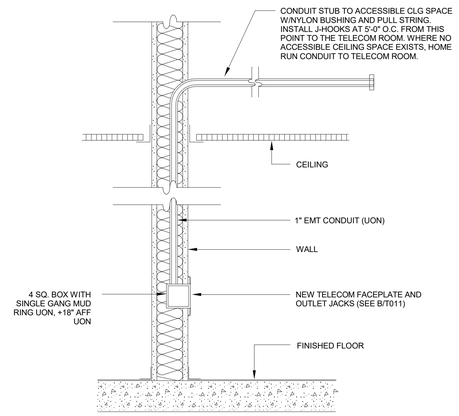
F T0.2 CEILING MOUNTED WIRELESS ACCESS POINT (WAP)

SCALE: NONE



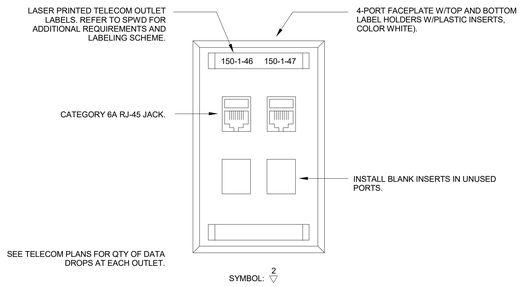
E T0.2 ROOF PENETRATION DETAIL

SCALE: NONE



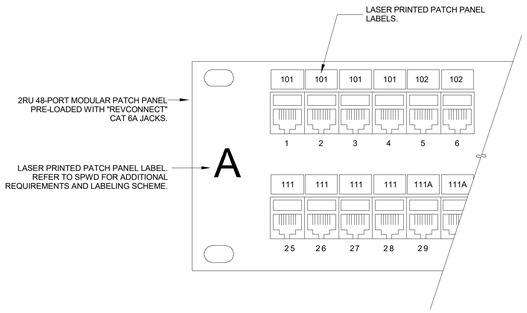
C T0.2 TELECOM WORK AREA BOX ROUGHIN

SCALE: NONE



B T0.2 TELECOM OUTLET DETAILS

SCALE: NONE



A T0.2 48 PORT CAT 6A PATCH PANEL

SCALE: NONE

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STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

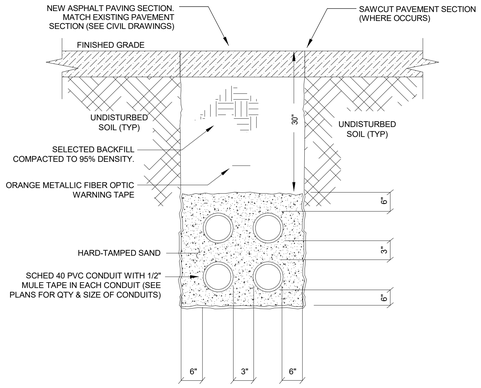
DESIGN DEVELOPMENT

drawing title
TELECOM DETAILS

job number
25015

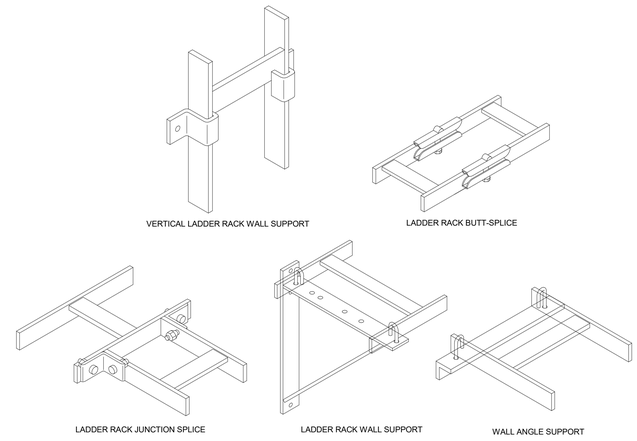
date
OCTOBER 26, 2026

drawing number
T0.2



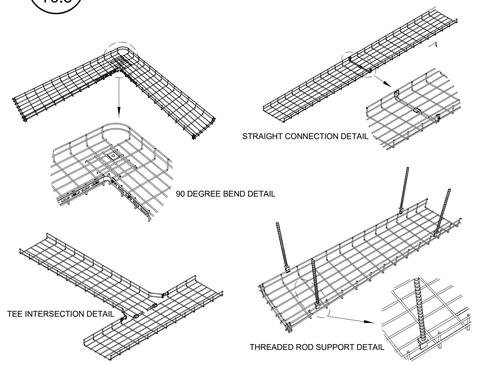
G T0.3 UNDERGROUND TELECOM CONDUIT

SCALE: NONE

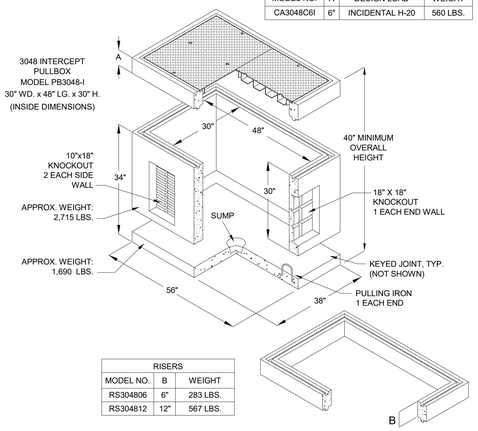


F T0.3 TELECOM ROOM LADDER RACK DETAILS

SCALE: NONE



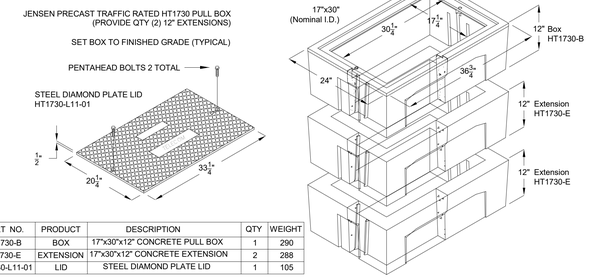
STANDARD NON ADJUSTABLE COVERS			
MODEL NO.	A	DESIGN LOAD	WEIGHT
CA3048C6I	6"	INCIDENTAL H-20	560 LBS.



RISERS		
MODEL NO.	B	WEIGHT
RS304806	6"	283 LBS.
RS304812	12"	567 LBS.

E T0.3 (2'-6" W X 4'-0" L) TELECOM PULLBOX INCIDENTAL H-20 TRAFFIC RATED

SCALE: NONE



PART NO.	PRODUCT	DESCRIPTION	QTY	WEIGHT
HT1730-B	BOX	17"x30"x12" CONCRETE PULL BOX	1	290
HT1730-E	EXTENSION	17"x30"x12" CONCRETE EXTENSION	2	288
HT1730-L11-01	LID	STEEL DIAMOND PLATE LID	1	105

D T0.3 (17" W X 30" L) TELECOM PULLBOX H-20 TRAFFIC RATED

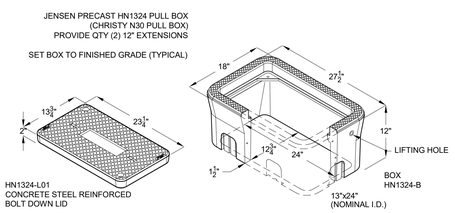
SCALE: NONE

WIRE BASKET TRAY GENERAL NOTES

1. ALL WIRE BASKET TRAY IS 4" HIGH. WIRE BASKET TRAY WIDTHS ARE 18". SEE DRAWINGS FOR WIRE BASKET TRAY ROUTING.
2. PLENUM RATED TELECOM AND CCTV CAMERA SYSTEM CABLING MAY BE ROUTED IN THE WIRE BASKET TRAY. NO OTHER CABLE IS PERMITTED TO BE ROUTED IN THE WIRE BASKET TRAY. ALL ACCESS CONTROL CABLING SHALL BE ROUTED IN SEPARATE DEDICATED CONDUIT.
3. PROVIDE STI EZ-PATH FIRE-RATED PATHWAY DEVICES AT ALL WALL PENETRATIONS, UNLESS OTHERWISE NOTED. PROVIDE QUANTITY AND SIZE OF PATHWAY DEVICES AS REQUIRED TO ACCOMMODATE ALL CABLING WITHOUT EXCEEDING THE MANUFACTURER'S LISTED CABLE CAPACITY.
4. WIRE BASKET TRAY SHALL HAVE AN ELECTRO-ZINC PLATED FINISH.
5. ALL SECTIONS OF WIRE BASKET TRAY SHALL BE BONDED TOGETHER TO PROVIDE A CONTINUOUS GROUND PATH. WHERE SECTIONS OF TRAY ARE INTERRUPTED AT CONDUITS OR OR WALL SLEEVES, INSTALL #6 GREEN INSULATED CONDUCTOR TO BOND SECTIONS OF TRAY TOGETHER.
6. WIRE BASKET TRAY SHALL HAVE DEDICATED SUPPORT SYSTEM CONNECTED DIRECTLY TO THE BUILDING STRUCTURE. WIRE BASKET TRAY SUPPORTS MAY NOT BE CONNECTED TO THE SUPPORTS OF OTHER MEP SYSTEMS UNLESS THESE SUPPORTS ARE PART OF AN OVERALL ENGINEERED SYSTEM.
7. PROVIDE LATERAL AND LONGITUDINAL SEISMIC BRACING AS REQUIRED BY LOCAL BUILDING CODES.
8. LOOSELY BUNDLE TELECOM CABLING ROUTED IN THE WIRE BASKET WITH VELCRO TIE WRAPS AT SPACED AT 2'-0" O.C. DO NOT EXCEED 24 CABLES PER BUNDLE.
9. COORDINATE CABLE TRAY ROUTING WITH MEP UTILITIES AND STRUCTURE. PROVIDE OFFSETS AND BENDS AS REQUIRED TO COORDINATE WITH OTHER UTILITIES AND STRUCTURE. SUBMIT PROPOSED TRAY ROUTING IN EXPOSED CEILING AREAS FOR APPROVAL PRIOR TO INSTALLATION.

C T0.3 WIRE BASKET TRAY DETAILS

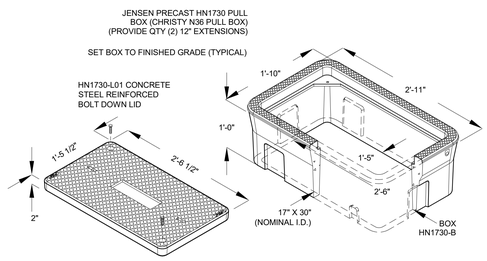
SCALE: NONE



PART NO.	PRODUCT	DESCRIPTION	QTY	APPROX. WEIGHT
HN1324-B	BOX	13"x24"x12" REINFORCED CONCRETE NON-TRAFFIC BOX	1	156
HN1324-E	EXTENSION	13"x24"x12" REINFORCED CONCRETE EXTENSION	2	160
HN1324-L01	LID	CONCRETE STEEL REINFORCED BOLT DOWN LID	1	49

C T0.3 (13" W X 24" L) TELECOM PULLBOX NON-TRAFFIC RATED

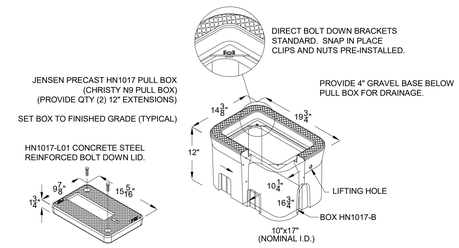
SCALE: NONE



PART NO.	PRODUCT	DESCRIPTION	QTY	WEIGHT
HN1730-B	BOX	17"x30"x12" REINFORCED CONCRETE NON-TRAFFIC BOX	1	175
HN1730-E	EXTENSION	17"x30"x12" REINFORCED CONCRETE EXTENSION	2	180
HN1730-L01	LID	CONCRETE STEEL REINFORCED BOLD DOWN LID	1	86

B T0.3 (17" W X 30" L) TELECOM PULLBOX NON-TRAFFIC RATED

SCALE: NONE



PART NO.	PRODUCT	DESCRIPTION	QTY	WEIGHT
HN1017-B	BOX	10"X17"X12" REINFORCED CONCRETE NON-TRAFFIC BOX	1	112
HN1017-E	EXTENSION	10"X17"X12" CONCRETE BOX EXTENSION	2	112
HN1017-L01	LID	CONCRETE STEEL REINFORCED BOLT DOWN LID	1	21

A T0.3 (10"W X 17"L) TELECOM PULLBOX

SCALE: NONE

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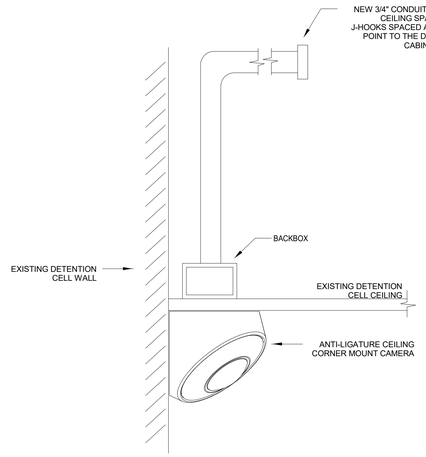
DESIGN DEVELOPMENT

drawing title
TELECOM DETAILS

job number
25015

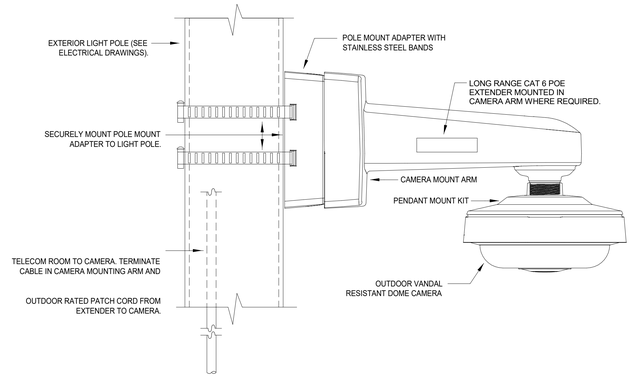
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drawing number
T0.3



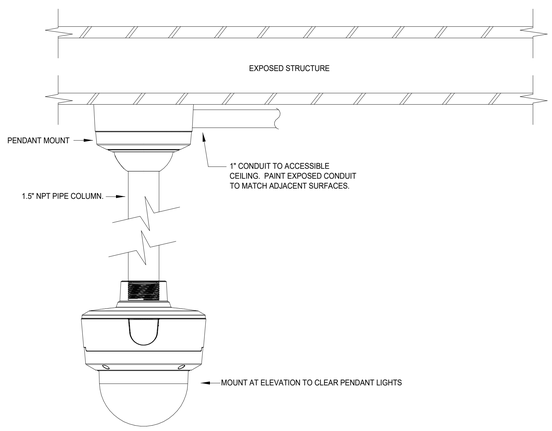
H T0.4 ANTI-LIGATURE CEILING CORNER MOUNT

SCALE: NONE



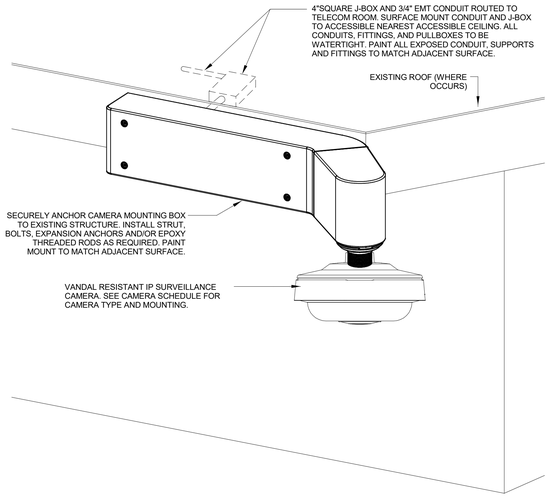
G T0.4 LIGHT POLE MOUNTED CAMERA

SCALE: NONE



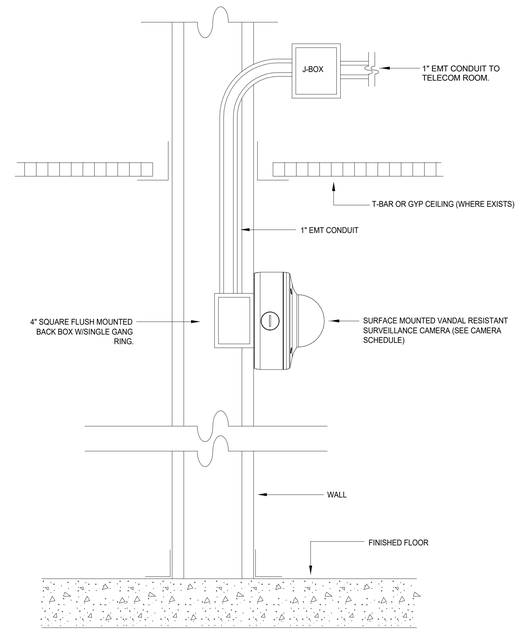
F T0.4 CEILING PENDANT MOUNTED CAMERA

SCALE: NONE



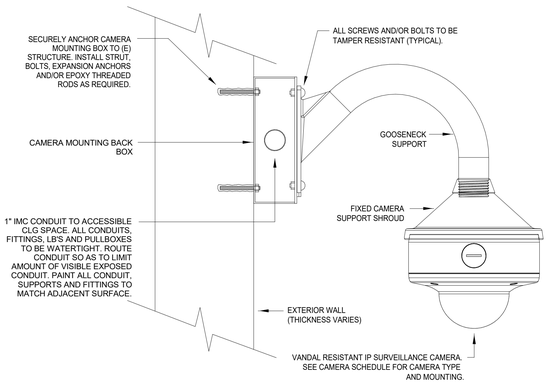
E T0.4 CORNER MTD CAMERA (ELEV)

SCALE: NONE



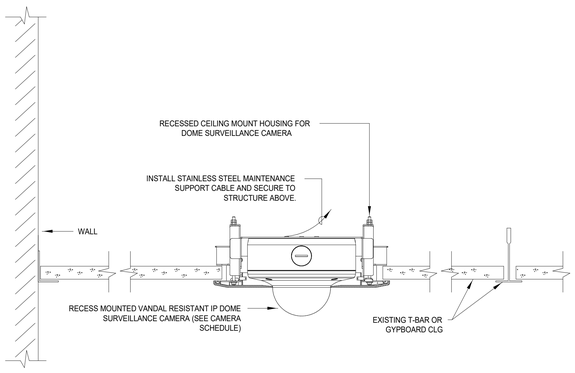
D T0.4 WALL MOUNTED DOME CAMERA

SCALE: NONE



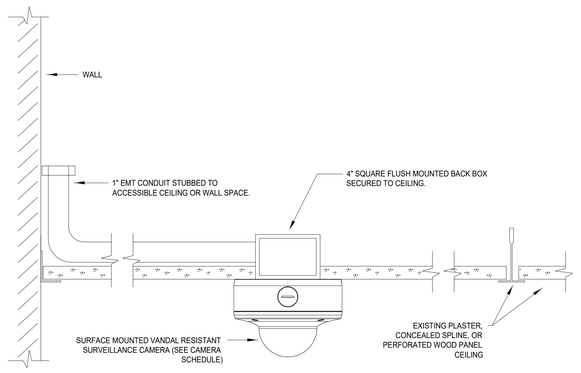
C T0.4 EXTERIOR WALL MTD CAMERA

SCALE: NONE



B T0.4 RECESSED CEILING MOUNTED CAMERA

SCALE: NONE



A T0.4 SURFACE CEILING MOUNTED CAMERA

SCALE: NONE

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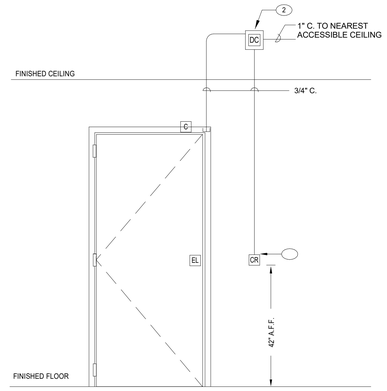
DESIGN DEVELOPMENT

drawing title
TELECOM DETAILS

job number
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date
OCTOBER 26, 2026

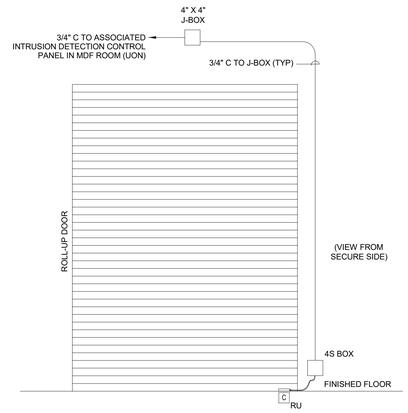
drawing number
T0.4



CONDUIT ROUGHIN: SINGLE DOOR CARD READ-IN W/ELECT LATCH RETRACTION

D T0.5

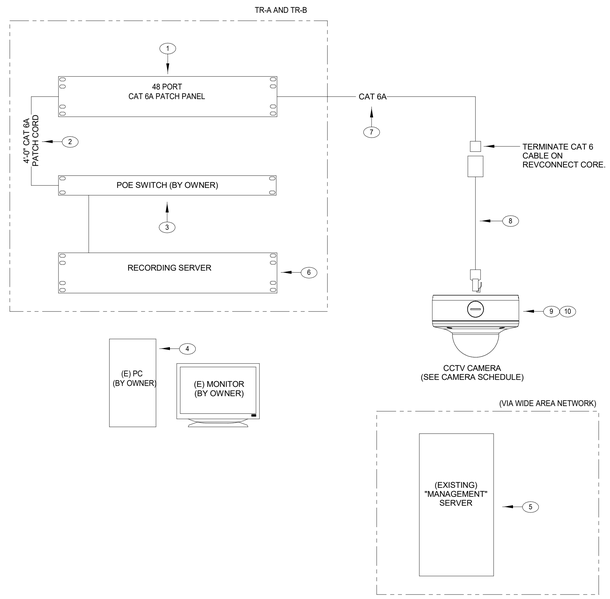
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ROLL-UP DOOR CONTACTS

C T0.5

SCALE: N.T.S.



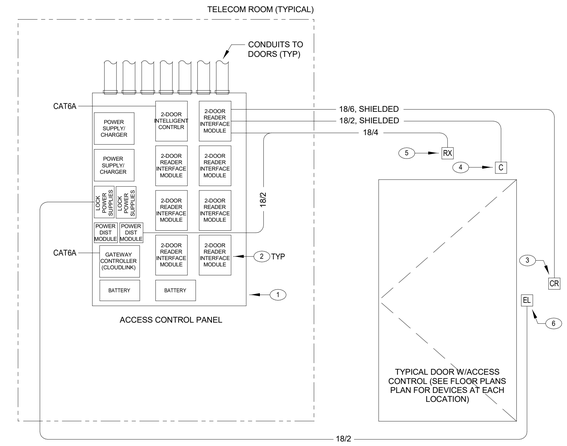
CCTV CAMERA ONELINE SHEET NOTES

1. TERMINATE CAT 6 CAMERA CABLES ON NEW 48-PORT CAT 6A PATCH PANELS. COORDINATE EXACT TERMINATION LOCATION WITH WCSD.
2. 4'-0" CAT 6 PATCH CORD (COLOR BLACK) TO CROSS CONNECT CAMERAS TO OWNER FURNISHED POE SWITCHES. FURNISH QTY (1) 4'-0" PATCH COLOR FOR EACH CAMERA.
3. POE SWITCH FURNISHED BY OWNER, CONTRACTOR INSTALLED.
4. POLICE COMPUTERS (CLIENT SOFTWARE PROVIDED AND INSTALLED BY CONTRACTOR).
5. EXISTING "MANAGEMENT" SERVER (SERVER AND SOFTWARE PROVIDED, INSTALLED AND CONFIGURED BY OWNER).
6. RECORDING SERVER (SERVER AND SOFTWARE PROVIDED, INSTALLED AND CONFIGURED BY CONTRACTOR).
7. FURNISH, INSTALL AND TERMINATE PLENUM RATED CAT 6 CABLE TO EACH CAMERA LOCATION.
8. TERMINATE CAT 6 CABLE AT CAMERA ON REVCONNECT CORE AND PROVIDE 18" FLEX PLUG FOR CONNECTION TO CAMERA.
9. FURNISH AND INSTALL IP VIDEO SURVEILLANCE CAMERA AND ASSOCIATED MOUNTS/RACEWAY (SEE CAMERA SCHEDULE FOR REQUIREMENTS). CAMERA LICENSES PROVIDED AND INSTALLED BY CONTRACTOR.
10. DOWNLOAD AND INSTALL THE LATEST FIRMWARE FROM THE MANUFACTURER'S WEBSITE ON ALL CAMERAS AT THE COMPLETION OF THE PROJECT.

CCTV CAMERA ONELINE DIAGRAM

B T0.5

SCALE: NONE



ACCESS CONTROL SYSTEM GENERAL NOTES

1. THE CONTRACTOR MUST BE A LENEL CERTIFIED PARTNER AND HAVE THE NECESSARY CERTIFICATIONS TO PURCHASE, INSTALL AND CONFIGURE THE SPECIFIED LENEL EQUIPMENT AND SOFTWARE. THE SYSTEM PROGRAMMER SHALL HAVE ATTENDED MANUFACTURER TRAINING AND OBTAINED CERTIFICATION IN GENETEC TECHNICAL CERTIFICATION.
2. SEE FLOOR PLANS FOR ACCESS CONTROL FIELD DEVICES AT EACH DOOR.
3. NOT ALL DEVICES AND CABLING ARE SHOWN IN THE SINGLE LINE DIAGRAM. SUBMIT SHOP DRAWINGS FOR APPROVAL INCLUDING POINT-TO-POINT WIRING AND PANEL BLOCK DIAGRAMS SHOWING ALL DEVICES AND REQUIRED CABLING.
4. SUBMIT SHOP DRAWINGS FOR APPROVAL SHOWING THE LAYOUT OF THE EQUIPMENT MOUNTED IN THE ACCESS CONTROL ENCLOSURE(S) INCLUDING GATEWAYS, INTELLIGENT CONTROLLERS, CARD READER BOARDS, IO BOARDS, ADD-IN BOARDS, POWER SUPPLIES, BATTERY CHARGERS, FUSES, RELAYS, BATTERIES, NETWORK OUTLETS, ELECTRICAL OUTLETS, CABLE MANAGEMENT WIREWAYS, FANS, ETC.
5. SUBMIT MANUFACTURER PRODUCT DATA SHEETS FOR APPROVAL OF ALL ACCESS CONTROL EQUIPMENT INCLUDING BUT NOT LIMITED TO EQUIPMENT ENCLOSURES, CONTROLLERS, ADD-IN BOARDS, RELAYS, POWER SUPPLIES, BATTERIES, CABLING, REQUEST TO EXITS, DOOR CONTACTS, CARD READERS, ELECTRIC STRIKES, ELECTRIC LOCKS, LOCAL ALARMS, PUSH BUTTONS, WIRELESS RECEIVERS, ETC.
6. SUBMIT BATTERY CALCULATIONS FOR APPROVAL. BATTERIES SHALL BACKUP THE ENTIRE SYSTEM FOR A MINIMUM OF 4 HOURS.
7. ALL ACCESS CONTROL CABLING IS TO BE ROUTED IN CONDUIT FROM THE ACCESS CONTROL FIELD DEVICES AT EACH DOOR TO THE ACCESS CONTROL PANEL.
8. WHERE CABLING IS ROUTED IN UNDERGROUND CONDUIT, PROVIDE OUTDOOR RATED CABLE SUITABLE FOR WET UNDERGROUND DUCT INSTALLATION.

ACCESS CONTROL SYSTEM KEYNOTES

1. NEW LENEL ACCESS CONTROL PANEL.
2. 2-DOOR CARD READER INTERFACE MODULES.
3. CONTACTLESS SMART CARD READER WITH INTEGRATED KEYPAD AT ACCESS CONTROL DOORS AND GATES.
4. DOUBLE POLE DOUBLE THROW MAGNETIC DOOR POSITION CONTACTS.
5. REQUEST-TO-EXIT (REX) MOTION DETECTOR.
6. ELECTRIC STRIKE. SEE ARCHITECTURAL DOOR HARDWARE SCHEDULE.
7. EXPAND ON EXISTING LENEL ONGUARD ACCESS CONTROL SYSTEM. CONNECT ALL NEW ACCESS CONTROL DEVICES TO THE EXISTING SERVER AND DATABASE. PROVIDE ALL PROGRAMMING, SOFTWARE CONFIGURATION, AND ADDITIONAL LICENSES REQUIRED TO INTEGRATE NEW DEVICES INTO THE SYSTEM. COORDINATE WITH OWNER'S SECURITY REPRESENTATIVE TO VERIFY CURRENT SYSTEM VERSION, LICENSE AVAILABILITY, AND COMPATIBILITY REQUIREMENTS PRIOR TO INSTALLATION.

ACCESS CONTROL SYSTEM ONELINE DIAGRAM

A T0.5

SCALE: NONE

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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

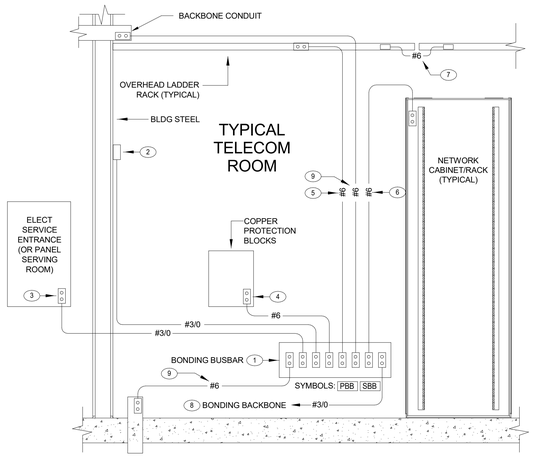
DESIGN DEVELOPMENT

drawing title
TELECOM DETAILS

job number
25015

date
OCTOBER 26, 2026

drawing number
T0.5



BONDING AND GROUNDING DIAGRAM GENERAL NOTES

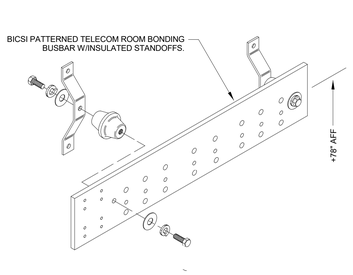
1. ALL BONDING AND GROUNDING WORK TO COMPLY WITH THE REQUIREMENTS OF ANSI/TIA-607-D (COMMERCIAL BUILDING GROUNDING (EARTHING) AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS).
2. ATTACH GROUNDING CONDUCTORS TO TELECOM BUS BARS WITH 2 HOLE LONG BARREL COMPRESSION LUGS.

BONDING AND GROUNDING KEYNOTES

1. UL LISTED BICSI PATTERNED COPPER TELECOM ROOM BONDING BUSBAR W/INSULATED STAND OFFS (SEE 5/T004 FOR SIZE).
2. #3/0 AWG GREEN INSULATED GROUND CONDUCTOR IN 3/4" CONDUIT. CAD WELD TO STRUCT STEEL.
3. #3/0 AWG IN 3/4" CONDUIT TO BLDG GROUND IN ELECTRICAL SERVICE ENTRANCE PANEL (OR ELECTRICAL PANEL SERVING ROOM). BOND CONDUIT TO GROUND AT BOTH ENDS.
4. #6 GREEN INSULATED GROUND CONDUCTOR TO BACKBONE COPPER PROTECTION BLOCKS (BUILDING ENTRANCE TERMINALS).
5. #6 GREEN INSULATED GROUND CONDUCTOR TO OVERHEAD LADDER RACK.
6. #6 GREEN INSULATED GROUND CONDUCTOR TO HORIZONTAL RACK MOUNTED BONDING BUSBAR, CPI #10610-019, OR APPROVED EQUAL. INSTALL SEPARATE GROUND CONDUCTORS FOR EACH RACK. DO NOT DAISY CHAIN GROUND CONDUCTORS.
7. #6 GROUND STRAP TO BOND SECTIONS OF LADDER RACK TOGETHER.
8. SEE TELECOM BONDING BACKBONE ONELINE DIAGRAM, 1/T004.
9. ALL METAL CONDUIT SHALL BE BONDED TO GROUND AT POINT OF ENTRY INTO THE TELECOM ROOM WITH A #6 GREEN INSULATED GROUND CONDUCTOR CONNECTED TO THE PBB/SBB. PROVIDE CONTINUITY ACROSS ALL COUPLINGS AND JUMPERS AS REQUIRED.

D T0.6 TYPICAL TELECOM ROOM GROUNDING DIAGRAM

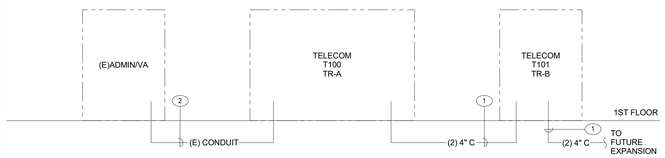
SCALE: NONE



SYMBOLS: PBB PRIMARY GROUNDING BUSBAR WITH LUG KIT, 1/4"X4"20", CPI #40158-020 OR APPROVED EQUAL.
SBB SECONDARY GROUNDING BUSBAR WITH LUG KIT, 1/4"X2"12", CPI #40158-020 OR APPROVED EQUAL.

E T0.6 TELECOM BONDING BUSBAR

SCALE:

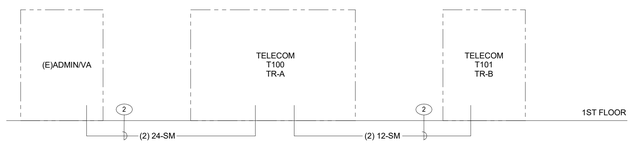


ONELINE DIAGRAM KEYNOTES

1. INSTALL QTY (2) 2" 3-CELL MAXCELL FABRIC INNERDUCTS IN (1) OF THE 4" CONDUITS SHOWN. ROUTE ALL FIBER OPTIC CABLE IN MAXCELL INNERDUCT. SECURE FABRIC INNERDUCT TO PLYWOOD BACKBOARDS AT EACH END.
2. UTILIZE EXISTING CONDUIT AND VAULTS FOR BACKBONE CABLING BETWEEN (E) ADMIN BUILDING AND TR-B. SEE TELECOM SITE PLAN FOR EXISTING CONDITIONS.

C T0.6 BACKBONE CONDUIT ONELINE DIAGRAM

SCALE: NONE

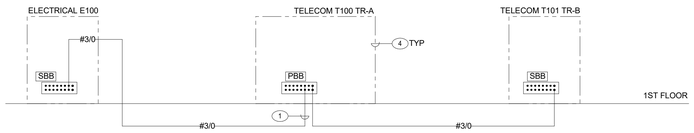


ONELINE DIAGRAM KEYNOTES

1. PROVIDE TIGHT BUFFERED, ARMORED, PLENUM RATED, SINGLEMODE FIBER OPTIC CABLE (STRAND COUNT AS INDICATED) . PROVIDE 20'-0" CABLE SLACK LOOP AT EACH END IN WALL MOUNTED RE-CLOSEABLE STORAGE RINGS WITH INTEGRAL VELCRO LOOP FASTENERS. TERMINATE FIBER AT EACH END IN RACK MOUNTED FIBER TERMINATION CABINETS ON 12-STRAND PIGTAIL FUSION SPLICE CASSETTES WITH DUPLEX LC CONNECTORS.
2. PROVIDE LOOSE-TUBE, OUTDOOR RATED, SINGLEMODE FIBER OPTIC CABLE (STRAND COUNT AS INDICATED). INSTALL CABLE IN DESIGNATED CONDUIT PATHWAYS TO TERMINATION LOCATIONS AS SHOWN ON PLANS. PROVIDE MINIMUM 20'-0" SLACK LOOP AT EACH TERMINATION POINT, SECURED WITH OSP-RATED STORAGE RINGS OR SLACK MANAGEMENT HARDWARE. TERMINATE FIBER IN WALL-MOUNTED ENCLOSURES AT THE SERVICE ENTRY AND IN RACK-MOUNTED FIBER TERMINATION PANELS AT THE MDF/IDF. USE FUSION-SPLICED PIGTAIL CASSETTES WITH DUPLEX LC CONNECTORS FOR ALL TERMINATIONS.

B T0.6 BACKBONE FIBER ONELINE DIAGRAM

SCALE: NONE



ONELINE DIAGRAM KEYNOTES

1. #3/0 AWG COPPER TELECOM BONDING BACKBONE (TBB) CONDUCTOR IN 2" CONDUIT. CONNECT THE PRIMARY BONDING BUSBAR (PBB) TO THE SECONDARY BONDING BUSBARS (SBB'S).
2. SEE TYPICAL TELECOM ROOM GROUNDING DIAGRAM, 4/T004, FOR GROUNDING AND BONDING REQUIREMENTS IN EACH ROOM.

A T0.6 TELECOM BONDING BACKBONE ONELINE

SCALE: NONE

PRELIMINARY
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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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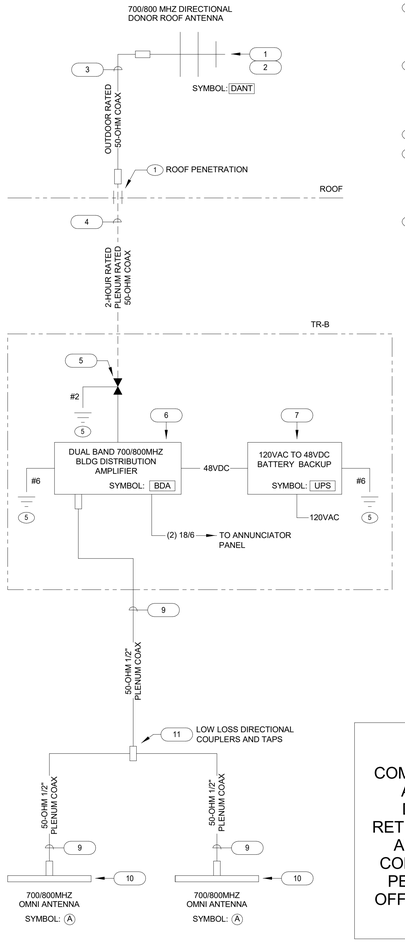
drawing number
T0.6

EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM GENERAL NOTES

ITEM	DESCRIPTION
1.	PROJECT DESCRIPTION: THE FOLLOWING WORK SHALL BE INCLUDED IN THE BASE BID. CONTRACTOR SHALL DESIGN AND TEST RADIO SIGNAL STRENGTH AND DELIVERED AUDIO QUALITY (DAQ) INSIDE THE BUILDING TO DETERMINE IF AN EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM (ERCES) IS REQUIRED BY CODE. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE ACCEPTANCE TEST PROCEDURES OUTLINED IN IFC 2024 SECTION 510.5.4. TESTING SHALL OCCUR AFTER THE BUILDING SHELL (ROOF, EXTERIOR WALLS, GLAZING, AND DOORS) AND INTERIOR WALLS/DOORS ARE COMPLETE. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER AND TO THE WASHOE COUNTY REGIONAL COMMUNICATIONS SYSTEM (WCRCS) RADIO DIVISION. ERCES INSTALLATION SHALL BE INCLUDED AS A BID ALTERNATE. IF TESTS INDICATE THE SYSTEM IS REQUIRED, CONTRACTOR SHALL INSTALL AND TEST THE SYSTEM AS DESCRIBED HEREIN. IF TESTS INDICATE THE SYSTEM IS NOT REQUIRED, CONTRACTOR SHALL CREDIT BACK THE COSTS OF THE BID ALTERNATE.
2.	STANDARDS AND CODES: ALL WORK SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH THE FOLLOWING CODES: 2023 NATIONAL ELECTRIC CODE (NEC). 2024 INTERNATIONAL FIRE CODE (IFC), SECTION 510. 2022 NFPA 1225, CHAPTERS 18 AND 20 - STANDARD FOR EMERGENCY SERVICES COMMUNICATIONS. GENERAL REQUIREMENTS: CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, AND TEST AN ERCES IN ACCORDANCE WITH IFC 2024 SECTION 510 AND NFPA 1225 (2022). PROVIDE A COMPLETE AND OPERATIONAL SYSTEM INCLUDING BUT NOT LIMITED TO: ANTENNAS, RACEWAYS, PENETRATIONS, CABLING, SUPPORTS, CONNECTORS, TAPS, DIRECTIONAL COUPLERS, AMPLIFIERS, UPS UNITS, ANNUNCIATOR PANELS, ENCLOSURES, GROUNDING, AND ALL INCIDENTAL ITEMS REQUIRED.. INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TEST EQUIPMENT, TRANSPORTATION, STORAGE COSTS, TEMPORARY PROTECTION, PERMITS, INSPECTIONS, TAXES AND ALL NECESSARY AND RELATED ITEMS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL ERCES AS SHOWN ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS. THE RADIO SYSTEM SHALL BE COMPATIBLE AND SHALL COMMUNICATE WITH THE WASHOE COUNTY REGIONAL COMMUNICATION SYSTEM (WCRCS). ERCES SHALL USE A CHANNELIZED CLASS "A" BUILDING DISTRIBUTION AMPLIFIER (BDA). THE SYSTEM MUST BE COMPATIBLE WITH BOTH HARRIS PS25 PHASE 1 AND P25 PHASE 2 FOR ALL CHANNELS. ERCES SHALL PROVIDE COVERAGE IN THE 700MHZ-800MHZ FREQUENCY BANDS AND SHALL BE EXPANDABLE TO OPERATE ON THE FIRSTNET 700MHZ NATIONAL PUBLIC SAFETY BROADBAND NETWORK FREQUENCIES 758-768 / 788-798MHZ. THE DOWNLINK FROM THE WCRCS SHALL INCLUDE THE FOLLOWING TWO PASSBANDS, 769 TO 775MHZ AND 851 TO 861MHZ. THE UPLINK TO THE WCRCS SHALL INCLUDE 799 TO 816MHZ. INFORMATION SHOWN ON THE DRAWINGS IS DIAGRAMMATIC. FIELD VERIFY ALL DIMENSIONS, LOCATIONS, AND LAYOUT. ADJUST ALL WORK TO COORDINATE WITH EXISTING FIELD CONDITIONS. DO NOT SCALE THE PLANS FOR RACEWAY OR EQUIPMENT LOCATIONS.
3.	CONTRACTOR QUALIFICATIONS : THE CONTRACTOR INSTALLING THE EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM SHALL HAVE A MINIMUM OF FIVE (5) YEARS EXPERIENCE INSTALLING SYSTEMS OF SIMILAR SIZE AND SCOPE. THE CONTRACTOR INSTALLING THE SYSTEM MUST BE A FIRM NORMALLY ENGAGED IN THE DESIGN, INSTALLATION AND MAINTENANCE OF EMERGENCY RADIO COMMUNICATION SYSTEMS. CONTRACTOR'S SYSTEM DESIGNER AND LEAD INSTALLATION PERSONNEL SHALL MEET THE TRAINING AND LICENSING REQUIREMENTS LISTED IN 2024 IFC SECTION 510.5.3. CONTRACTOR SHALL BE CERTIFIED BY THE MANUFACTURER OF THE EQUIPMENT BEING INSTALLED. CONTRACTOR SHALL COMPLETE ALL MANUFACTURER TRAINING AS REQUIRED TO OBTAIN CERTIFICATION. CONTRACTOR SHALL BE CAPABLE OF PROVIDING A 4-HOUR RESPONSE TIME TO THE PROJECT SITE BY A CERTIFIED RADIO TECHNICIAN. IF REQUESTED, THE CONTRACTOR, INCLUDING ANY SUBCONTRACTOR, SHALL SHOW PROVEN EXPERTISE IN THE IMPLEMENTATION OF RADIO COMMUNICATION SYSTEMS. THIS EXPERTISE CAN BE ILLUSTRATED THROUGH THE INCLUSION OF DETAILS OF AT LEAST THREE (3) PROJECTS INVOLVING THE DESIGN AND INSTALLATION OF EMERGENCY RESPONDER COMMUNICATION SYSTEMS WITHIN THE PAST THREE (3) YEAR PERIOD OF SIMILAR SIZE AND SCOPE. NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF REFERENCES FOR THE THREE (3) PROJECTS SHALL BE INCLUDED.
4.	SYSTEM DESIGN: CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN OF THE EMERGENCY RESPONDER COMMUNICATION ENHANCEMENT SYSTEM (ERCES). CONTRACTOR SHALL SUBMIT THE ERCES DESIGN TO THE WASHOE COUNTY REGIONAL COMMUNICATIONS SYSTEM (WCRCS) RADIO DIVISION FOR TECHNICAL DESIGN REVIEW AND RETRANSMISSION AUTHORIZATION. AFTER THE DESIGN IS REVIEW AND APPROVED BY THE COUNTY RADIO DIVISION, THE CONTRACTOR SHALL SUBMIT THE ERCES DESIGN TO THE LOCAL FIRE CODE OFFICIAL FOR REVIEW, APPROVAL AND DEFERRED PERMIT.
5.	SUBMITTALS: PRIOR TO ORDERING OR PURCHASING ANY EQUIPMENT, AND PRIOR TO SUBMITTING TO THE LOCAL FIRE CODE OFFICIAL FOR PERMIT, THE CONTRACTOR SHALL SUBMIT THE FOLLOWING ITEMS TO THE ENGINEER FOR REVIEW AND APPROVAL. SUBMIT MANUFACTURER'S PRODUCT DATA SHEETS IN PDF FORMAT OF ALL PROPOSED EQUIPMENT AND CABLING INCLUDING SIGNAL BOOSTER EQUIPMENT, UNINTERRUPTIBLE POWER SUPPLIES, ANNUNCIATOR PANELS, EQUIPMENT ENCLOSURES, ROOF ANTENNA(S), ROOF ANTENNA SUPPORTS, INDOOR ANTENNAS, ANTENNA CABLING, SURGE ARRESTORS, TAPS, DIRECTIONAL COUPLERS, ETC. SUBMIT SHOP DRAWINGS IN PDF FORMAT INCLUDING FLOOR PLANS SHOWING LOCATIONS OF ANTENNAS, EQUIPMENT AND PROPOSED CABLE ROUTING. SUBMIT POINT-TO-POINT WIRING DIAGRAMS SHOWING ALL ANTENNAS, EQUIPMENT AND REQUIRED CABLING. PROVIDE SITE PLAN INDICATING DONOR ANTENNA MOUNTING LOCATION AND PATH TO REMOTE ANTENNA SITE. SUBMIT RF CABLE dB LOSS CALCULATIONS FOR ALL COAX ANTENNA SEGMENTS FROM THE SIGNAL BOOSTER EQUIPMENT TO THE ANTENNAS. BASED ON THE CALCULATED RF CABLE AND JUMPER LOSSES, THE CONTRACTOR SHALL DESIGN THE REQUIRED RF CABLE TAPS AND DIRECTIONAL COUPLERS TO BALANCE THE RF SIGNAL STRENGTH AT EACH ANTENNA THROUGHOUT THE BUILDING. SUBMIT RESULTING SIGNAL STRENGTH CALCULATIONS AT EACH INDOOR OMNI-DIRECTIONAL ANTENNA. SUBMIT COLOR RADIO SIGNAL STRENGTH HEAT MAPS IN PDF FORMAT CONFIRMING CODE REQUIRED SIGNAL STRENGTH IS ACHIEVED THROUGHOUT ALL AREAS OF THE BUILDING.
6.	DEFERRED PERMIT SUBMITTAL REQUIREMENTS: ONCE THE SUBMITTAL ITEMS LISTED ABOVE ARE REVIEWED AND APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL SUBMIT THE EMERGENCY RESPONDER COMMUNICATION ENHANCEMENT SYSTEM DESIGN TO THE COUNTY RADIO DIVISION AND THE LOCAL FIRE CODE OFFICIAL FOR REVIEW, APPROVAL AND PERMIT
7.	RACEWAY, SUPPORTS AND CONCEALMENT : THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, SUPPORT AND BRACING OF ALL RACEWAY AS REQUIRED TO ROUTE EMERGENCY RESPONDER COMMUNICATION ENHANCEMENT SYSTEM CABLING. THIS INCLUDES BUT IS NOT LIMITED TO ALL CABLE SUPPORTS, CONDUIT, SLEEVES, OUTLET BOXES, PULL BOXES AND PULL STRING. COORDINATE CABLE ROUTING AND SUPPORTS WITH STRUCTURE AND MEP UTILITIES. ROUTE CABLE AS REQUIRED TO COORDINATE WITH EXISTING CONDITIONS. CORE WALLS AND FLOORS AS REQUIRED TO ROUTE CABLES. CABLE SUPPORTS SHALL BE SECURED DIRECTLY TO STRUCTURE. CABLE SUPPORTS SHALL NOT BE SECURED TO OTHER UTILITIES OR THEIR ASSOCIATED SUPPORT SYSTEMS. ALL RACEWAY SHALL BE RUN PERPENDICULAR TO BUILDING GRID LINES UON. RACEWAY SHALL BE INSTALLED SO THAT THE FOLLOWING MINIMUM CLEAR DISTANCES ARE MAINTAINED FROM SOURCES OF ELECTRO-MAGNETIC INTERFERENCE (EMI). 6" CLEAR FROM POWER CABLES, 12" CLEAR FROM FLUORESCENT LIGHTING AND 36" CLEAR FROM TRANSFORMERS AND MOTORS. ALL CABLING SHALL BE ROUTED CONCEALED ABOVE ACCESSIBLE CEILING SPACES. NO EXPOSED CABLING IS PERMITTED WITH THE EXCEPTION OF CABLING ROUTED WITHIN THE EQUIPMENT ROOM. WHERE NO ACCESSIBLE CEILING SPACE EXISTS OR IN AREAS WITHOUT CEILINGS, ROUTE CABLING IN CONDUIT. SUBMIT PROPOSED CONDUIT ROUTING FOR APPROVAL PRIOR TO INSTALLATION. EXPOSED CONDUIT SHALL BE PAINTED TO MATCH ADJACENT SURFACES. CONTRACTOR RESPONSIBLE TO MATCH EXISTING PAINT COLORS.
8.	FIRESTOPPING: ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS AND FLOORS SHALL BE SEALED WITH FIRE STOPPING ASSEMBLIES. FIRE STOPPING ASSEMBLIES SHALL BE UL LISTED AND SHALL MEET OR EXCEED THE RATING OF THE WALL, CEILING OR FLOOR BEING PENETRATED.
9.	GROUNDING AND BONDING: ALL RACEWAYS, EXTERIOR ANTENNA SUPPORTS, EXTERIOR ANTENNA CABLING, SURGE ARRESTORS AND EQUIPMENT CABINETS SHALL BE BONDED AND GROUNDED. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL GROUNDING WORK SHOWN ON THE DRAWINGS INCLUDING RADIO GROUND BARS, SURGE ARRESTORS AND BONDING CONDUCTORS.
10.	ANTENNA CABLING AND TERMINATIONS: IN-BUILDING ANTENNA CABLING ROUTED BETWEEN THE BUILDING DISTRIBUTION AMPLIFIER (BDA) AND THE IN-BUILDING CEILING MOUNTED ANTENNAS SHALL BE UL LISTED, 50-OHM, 1/2" DIAMETER, NON-RADIATING, PLENUM RATED, LOW LOSS, COAXIAL CABLE. CABLING SHALL BE TERMINATED WITH "N" TYPE RF CONNECTORS. IN-BUILDING CABLING SHALL BE ROUTED CONCEALED ABOVE ACCESSIBLE CEILING SPACES ON J-HOOKS SPACED AT 4'-0" ON CENTER. IN EXPOSED AREAS, AREAS WITHOUT CEILINGS OR INACCESSIBLE CEILING/WALL SPACES, CABLING SHALL BE ROUTED IN CONDUIT. NO EXPOSED CABLING IS PERMITTED WITH THE EXCEPTION OF CABLING ROUTED WITHIN DESIGNATED EQUIPMENT ROOMS. IN-BUILDING DONOR ANTENNA CABLING ROUTED BETWEEN THE BUILDING DISTRIBUTION AMPLIFIER AND THE DONOR ROOF ANTENNA SHALL BE UL LISTED, 2-HOUR RATED, 50-OHM, 1/2" DIAMETER, NON-RADIATING, PLENUM RATED, LOW LOSS, COAXIAL CABLE WITH A CORRUGATED COPPER JACKET. CABLING SHALL BE TERMINATED WITH "N" TYPE RF CONNECTORS. DONOR ANTENNA CABLING ROUTED ON THE ROOF OR EXTERIOR TO THE BUILDING SHALL BE OUTDOOR RATED. CABLING SHALL BE ROUTED IN CONDUIT FROM THE ROOF PENETRATION LOCATION TO THE DONOR ANTENNA.
11.	DONOR ANTENNA: CONTRACTOR SHALL FURNISH AND INSTALL ROOF MOUNTED VHF DONOR ANTENNA. REMOTE RADIO TOWER SITE AND ORIENTATION OF THE DONOR ANTENNA SHALL BE COORDINATED WITH THE WASHOE COUNTY REGIONAL COMMUNICATIONS SYSTEMS (WCRCS). CONTRACTOR SHALL DETERMINE THE OPTIMAL INSTALLATION HEIGHT FROM THE TOP OF THE ROOF AND SHALL SELECT AND INSTALL AN APPROPRIATE ANTENNA MAST AND SUPPORT FRAME AS REQUIRED. CONTRACTOR SHALL MOUNT AND ORIENTATE THE ANTENNA TO MAXIMIZE SIGNAL STRENGTH FROM THE DISTANT DONOR SITE AND TO MINIMIZE INTERFERENCE FROM OTHER FREQUENCIES AND ANTENNA SITES. ALL ROOF MOUNTED ANTENNA SUPPORTS, MASTS, FRAMES, FASTENERS, ETC. SHALL BE PRE-GALVANIZED OR HOT DIPPED GALVANIZED STEEL. THE CONTRACTOR SHALL MINIMIZE THE AMOUNT OF ANTENNA CABLE ROUTED ON THE ROOF AS IT INTERFERES WITH FUTURE RE-ROOFING PROJECTS. CONTRACTOR TO PROVIDE ROOF MOUNTED NON-PENETRATING CABLE SUPPORTS COMPATIBLE WITH THE ROOFING MATERIAL (B-LINE DURA-BLOK OR EQUAL).
12.	INDOOR ANTENNAS: CONTRACTOR SHALL FURNISH AND INSTALL IN-BUILDING CEILING AND WALL MOUNTED OMNI-DIRECTIONAL ANTENNAS AS SHOWN ON THE DRAWINGS. COORDINATE MOUNTING LOCATIONS WITH CEILINGS AND ASSOCIATED LIGHTS, HVAC GRILLES, SPRINKLERS, EXIT SIGNS, FIRE ALARM DEVICES, SENSORS, ETC.
13.	ROOF PENETRATIONS: ALL ROOF PENETRATIONS SHALL BE INSTALLED BY A CERTIFIED ROOFING CONTRACTOR SO AS TO MAINTAIN THE ROOF WARRANTY. THE CERTIFIED ROOFING CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR AS NECESSARY TO PROPERLY SEAL AND MAKE WEATHER TIGHT ALL ROOF PENETRATIONS.
14.	EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM : THE CONTRACTOR SHALL FURNISH AND INSTALL ELECTRONIC EQUIPMENT AS SHOWN ON THE DRAWINGS. THIS INCLUDES BUT IS NOT LIMITED TO BUILDING DISTRIBUTION AMPLIFIERS, REMOTE FIBER UNITS, ANNUNCIATOR PANELS, UNINTERRUPTIBLE POWER SUPPLIES, BATTERY CHARGERS, ETC. ALL ELECTRONIC EQUIPMENT SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 2524. THE ERCES SYSTEM DEPICTED IN THE ONELINE DIAGRAM IS BASED ON EQUIPMENT MANUFACTURED BY COMBA. THE COMPONENTS AND CABLING SHOWN ARE PROPRIETARY TO THIS SYSTEM. IF THE CONTRACTOR SELECTS A DIFFERENT SYSTEM THAT MEETS IFC 2024 SECTION 510 AND NFPA 1225 (2022) REQUIREMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND PERFORMANCE OF THE SYSTEM INCLUDING ALL EQUIPMENT, ANTENNAS, RACEWAY AND CABLING. UNINTERRUPTIBLE POWER SUPPLIES SHALL BACKUP THE ENTIRE EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM FOR A DURATION OF NOT LESS THAN TWELVE (12) HOURS. ALL SIGNAL BOOSTER EQUIPMENT AND BATTERY BACKUPS SHALL BE INSTALLED IN NEMA 4 OR 4X WATERPROOF ENCLOSURES AND LOCATED IN A 2-HOUR RATED ROOM OR IN UL 2524-LISTED ENCLOSURES WHERE ACCEPTED BY THE AHJ. THE CONTRACTOR SHALL INSTALL, MOUNT, CONNECT, TUNE AND TEST ALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE CONTRACTOR SHALL COORDINATE THE MOUNTING OF ALL EMERGENCY RESPONDER COMMUNICATION ENHANCEMENT EQUIPMENT IN THE EQUIPMENT ROOMS WITH THE WORK OF OTHER TRADES.
15.	DEDICATED ANNUNCIATION AND FIRE ALARM MONITORING : ALL SIGNAL BOOSTER EQUIPMENT AND BATTERY SYSTEMS SHALL BE ELECTRONICALLY MONITORED BY A DEDICATED ANNUNCIATOR PANEL LOCATED ADJACENT TO THE EXISTING FIRE ALARM CONTROL PANEL PER 2022 NFPA 1225 SECTION 8.14.2. ALL MONITORED SYSTEM POINTS SHALL BE SUPERVISED BY THE FIRE ALARM SYSTEM PER 2022 NFPA 1225 SECTION 8.14.1.
16.	LABELING, TESTING AND SIGNAGE : ALL COMPONENTS OF THE ERCES SHALL BE LABELED. IN-BUILDING ANTENNA CABLES SHALL BE LABELED AT BOTH ENDS INDICATING THE ANTENNA NUMBER AND AT ALL PULL BOX LOCATIONS. ALL COAX ANTENNA CABLING SHALL BE SWEEP TESTED OVER THE FREQUENCY RANGE IN WHICH BEING UTILIZED. CONTRACTOR SHALL TEST AND "TUNE" THE ENTIRE SYSTEM AT THE COMPLETION OF THE PROJECT. TESTING SHALL BE CONDUCTED BY A TRAINED AND QUALIFIED RADIO TECHNICIAN USING A SPECTRUM ANALYZER OR OTHER SUITABLE TEST EQUIPMENT. THE CONTRACTOR SHALL ADJUST THE GAIN OF THE BUILDING DISTRIBUTION AMPLIFIER TO PREVENT OSCILLATION BETWEEN THE DONOR ROOF ANTENNA AND THE IN BUILDING ANTENNAS. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL VERIFY MINIMUM RADIO SIGNAL STRENGTH AND DELIVERED AUDIO QUALITY (DAQ) INSIDE THE BUILDING. ACCEPTANCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH IFC 2024 SECTION 510.5.4 AND NFPA 1225 (2022) SECTIONS 18.9 AND 20. PROVIDE SIGN AT FACP AND RADIO ANNUNCIATOR PANEL STATING: "THIS BUILDING IS EQUIPPED WITH AN EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM." SIGN SHALL BE RED WITH 1" HIGH WHITE LETTERS.
17.	ACCEPTANCE TESTING CERTIFICATION REPORT : A SYSTEM CERTIFICATION REPORT IN PDF FORMAT SHALL BE PROVIDED WITH THE FOLLOWING INFORMATION: TEST PROCEDURE, TEST EQUIPMENT USED, CERTIFICATE(S) OF TEST EQUIPMENT CALIBRATION, GRID FLOOR PLANS INDICATING RADIO SIGNAL STRENGTH/DAQ WITH PASS/FAIL RESULTS, CERTIFIED CABLE SWEEP TEST RESULTS, PICTURES OF ELECTRONIC EQUIPMENT, EQUIPMENT CONFIGURATION SETTINGS.
18.	AS-BUILT DRAWINGS : PROVIDE ONE SET OF AS-BUILT DRAWINGS IN PDF FORMAT INDICATING THE FOLLOWING: LOCATION OF ANTENNAS, CABLE ROUTING, EQUIPMENT LOCATIONS, CONTRACTORS NAME, ADDRESS AND TELEPHONE NUMBER. RECORD NOTATIONS SHALL BE CLEARLY DRAWN WITH A DRAFTING APPEARANCE EQUAL TO THE ORIGINAL DRAWINGS.
19.	GUARANTEE: THE COMPLETE EMERGENCY RESPONDER COMMUNICATION ENHANCEMENT SYSTEM AND ALL PORTIONS THEREOF, SHALL BE GUARANTEED TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. PROMPTLY REMEDY SUCH DEFECTS AND ANY SUBSEQUENT DAMAGE CAUSED BY THE DEFECTS OR REPAIR THEREOF AT NO EXPENSE TO THE OWNER. RADIO SYSTEM EQUIPMENT INCLUDING BUILDING DISTRIBUTION AMPLIFIERS, REMOTE FIBER UNITS, UPS UNITS AND ANNUNCIATOR PANELS SHALL CARRY A MINIMUM 3-YEAR MANUFACTURER WARRANTY.
20.	SUBSTANTIAL COMPLETION: THE FOLLOWING ARE PREREQUISITES FOR SUBSTANTIAL COMPLETION EMERGENCY RESPONDER COMMUNICATION ENHANCEMENT SYSTEM: ALL WORK COMPLETED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PUNCH LIST ITEMS COMPLETED AND SIGNED OFF, RADIO SYSTEM CERTIFICATION REPORT SUBMITTED AND POSTED, PROJECT SIGNED OFF BY FIRE CODE OFFICIAL, AS-BUILT DRAWINGS SUBMITTED AND APPROVED, TEST REPORTS SUBMITTED, MANUFACTURER'S WARRANTY AND CONTRACTOR'S GUARANTEE SUBMITTED, O&M MANUALS TURNED OVER TO THE OWNER.

PUBLIC SAFETY RADIO TESTING AND ERCES REQUIREMENTS

1.	THE CONTRACTOR SHALL INCLUDE, AS PART OF THE BASE BID, PUBLIC SAFETY RADIO SIGNAL TESTING TO BE PERFORMED AFTER COMPLETION OF THE BUILDING CORE AND SHELL. TESTING SHALL BE PERFORMED BY A QUALIFIED VENDOR ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION (AHJ).
2.	THE CONTRACTOR SHALL INCLUDE, AS PART OF THE BASE BID, ALL REQUIRED COORDINATION WITH THE AHJ AND THE RADIO SYSTEM AUTHORITY, INCLUDING DOCUMENTATION OF TEST RESULTS.
3.	THE CONTRACTOR SHALL INCLUDE, AS PART OF THE BASE BID, DEVELOPMENT OF THE FINAL CODE-COMPLIANT ERCES DESIGN, INCLUDING REQUIRED ENGINEERING, SYSTEM LAYOUT, COVERAGE COORDINATION, SUBMITTALS, AND PERMITTING DOCUMENTATION, IF POST-CONSTRUCTION TESTING INDICATES THAT AN ERCES IS REQUIRED.
4.	THE CONTRACTOR SHALL INCLUDE A SEPARATE BID ALTERNATE FOR FURNISHING, INSTALLING, PROGRAMMING, COMMISSIONING, AND TESTING A COMPLETE ERCES, INCLUDING ALL REQUIRED ANTENNAS, DONOR ANTENNAS, BIU/BDA EQUIPMENT, CABLING, PATHWAYS, MONITORING, AND GROUNDING, IF REQUIRED BY THE AHJ. IF POST-CONSTRUCTION TESTING CONFIRMS THAT THE BUILDING MEETS THE MINIMUM SIGNAL STRENGTH REQUIREMENTS OF THE GOVERNING CODE AND AHJ, THE ERCES BID ALTERNATE SHALL NOT BE ACCEPTED AND NO ERCES INSTALLATION SHALL BE REQUIRED.
5.	IF POST-CONSTRUCTION TESTING INDICATES THAT AN ERCES IS REQUIRED, THE CONTRACTOR SHALL PROCEED WITH FINAL DESIGN, SUBMITTALS, PERMITTING, AND INSTALLATION OF THE SYSTEM IN ACCORDANCE WITH AHJ REQUIREMENTS.
6.	NO ERCES EQUIPMENT SHALL BE PROCURED OR INSTALLED PRIOR TO COMPLETION OF REQUIRED TESTING, ACCEPTANCE OF THE BID ALTERNATE BY THE OWNER, AND WRITTEN CONFIRMATION FROM THE AHJ THAT AN ERCES IS REQUIRED.



EMERGENCY RESPONDER COMMUNICATION ENHANCEMENT SHEET NOTES

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1	ROOF PENETRATION FOR DONOR ANTENNA CABLING. INSTALL (1) 2" CONDUIT TO ROOF FOR ROUTING OF ANTENNA CABLING. STUB AND CAP CONDUIT AT LOW ROOF WITH WEATHERHEAD. INSTALL 3" RIGID CONDUIT SECURED TO SIDE OF BUILDING ABOVE LOW ROOF TO HIGH ROOF FOR ROUTING OF ANTENNA CABLING AND SUPPORT OF RADIO ANTENNAS. COORDINATE HEIGHT OF CONDUITS ABOVE HIGH ROOF TO PROVIDE CLEAR LINE OF SIGHT FOR ANTENNAS.
2	PROVIDE A DEDICATED ANNUNCIATOR PANEL MOUNTED ADJACENT TO FIRE ALARM CONTROL PANEL TO INDICATE THE STATUS OF RADIO SYSTEM COMPONENTS IN ACCORDANCE WITH 2022 NFPA 1225 SECTION 18.14.1. THE ANNUNCIATOR PANEL SHALL PROVIDE VISUAL INDICATION OF THE FOLLOWING: NORMAL AC POWER, LOSS OF NORMAL AC POWER, BATTERY CHARGER FAILURE, LOW-BATTERY CAPACITY (I.E. TO 70 PERCENT DEPLETION), SIGNAL SOURCE MALFUNCTION, ACTIVE RF-EMITTING DEVICE MALFUNCTION AND ACTIVE SYSTEM COMPONENT MALFUNCTION.
3	EXTEND EXISTING 120V CIRCUIT SERVING FACP TO ANNUNCIATOR PANEL.
4	FIRE ALARM CONTROL PANEL SHALL SUPERVISE MALFUNCTIONS OF THE EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT COMMUNICATION SYSTEM IN ACCORDANCE WITH 2022 NFPA 1225 SECTION 18.14.1. THE FOLLOWING ITEMS SHALL BE SUPERVISED: SIGNAL SOURCE MALFUNCTION, ACTIVE RF-EMITTING DEVICE FAILURE, LOW-BATTER CAPACITY INDICATION WHEN 70 PERCENT OF THE 12-HOUR OPERATING CAPACITY HAS BEEN DEPLETED, ACTIVE SYSTEM COMPONENT FAILURE, LOSS OF NORMAL AC POWER AND FAILURE OF BATTERY CHARGER.
5	BOND ROOF ANTENNA CABLING AND ALL EQUIPMENT ENCLOSURES TO TELECOM ROOM BUSBAR (SBB) WITH BONDING CONDUCTOR SIZE AS INDICATED.

CONTRACTOR SHALL DESIGN THE EMERGENCY RESPONDER COMMUNICATION ENHANCEMENT SYSTEM AND SUBMIT TO THE WCRCS RADIO DIVISION FOR DESIGN REVIEW AND RETRANSMISSION AUTHORIZATION. AFTER APPROVAL BY THE COUNTY, COUNTY CONTRACTOR SHALL SUBMIT DEFERRED PERMIT SUBMITTAL TO THE FIRE CODE OFFICIAL. SEE GENERAL NOTES 5, 6 AND 7 ON THIS SHEET.

EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT ONELINE DIAGRAM

A / T0.7

SCALE: NONE

EMERGENCY RESPONDER COMMUNICATION ENHANCEMENT SYSTEM EQUIPMENT LIST

ITEM	QTY	DESCRIPTION	MFG	PART #
1	1	698-940 MHZ PANEL ANTENNA	WESTELL	CS03-777-999
2	1	DONOR ANTENNA ROOF MAST SUPPORT & 3/8" THICK PAD	ROHN	FRM225 + FRMPAD
3	LS	OUTDOOR RATED 1/2" 50 OHM COAX DONOR ANTENNA CABLING	COMMSCOPE	LDF4RK-50A
4	LS	INTERIOR 2-HR PLENUM RATED 1/2" 50 OHM COAX DONOR ANTENNA CABLING	AMERICAN FIRE WIRE	AFW-2HFR-3
5	1	DONOR ANTENNA CABLING SURGE PROTECTOR + GROUNDING	POLYPHASER	GT-NFF-AL
6	1	BUILDING DISTRIBUTION AMPLIFIER (BDA) DUAL BAND 700/800MHZ CLASS A	COMBA	RX78V3-A332PP0-S0
7	1	120VAC TO 48VDC 100AH BATTERY BACKUP FOR BDA	COMBA	BBUV3-LFP48100
8	1	DEDICATED ANNUCIATOR PANEL WITH BATTERY BACKUP	COMBA	CPAPV1-DC-B-UL
9	LS	INTERIOR PLENUM RATED 1/2" 50 OHM COAX ANTENNA CABLING	RFS	ICA12-50JPL
10	LS	INDOOR CEILING DOME ANTENNAS 700/800MHZ	LAIRD	CFSA69383P-30NF
11	LS	ANTENNA CABLING DIRECTIONAL COUPLERS (DESIGN BY CONTRACTOR)	VARIOUS	VARIOUS

EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT EQUIPMENT SCHEDULE

PRELIMINARY
NOT FOR CONSTRUCTION
10/26/26

VanWoert Bigotti architects
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reno, nevada 89502
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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
TELECOM DIAGRAMS

job number
25015

date
OCTOBER 26, 2026

drawing number
T0.7

10/26/2026 3:58:49 PM

NNCC CULINARY AND LAUNDRY VIDEO SURVEILLANCE CAMERA SCHEDULE

GENERAL NOTES

1. PROVIDE A COMPLETE AND OPERATIONAL VIDEO SURVEILLANCE SYSTEM IN ACCORDANCE WITH DIVISION 28, APPLICABLE DIVISION 27 REQUIREMENTS, CONTRACT DOCUMENTS, OWNER IT / SECURITY STANDARDS, AND CAMERA / MOUNT MANUFACTURER INSTRUCTIONS. COORDINATE ALL WORK WITH OTHER TRADES.

2. FIELD-VERIFY EACH CAMERA LOCATION, MOUNTING HEIGHT, VIEWING DIRECTION, FIELD OF VIEW, PIXEL DENSITY, LIGHTING CONDITIONS, AND ACCESS FOR MAINTENANCE BEFORE ROUGH-IN. COORDINATE TO AVOID OBSTRUCTIONS FROM DOORS, EQUIPMENT, DUCTWORK, LIGHTING, SPRINKLERS, SIGNAGE, AND ARCHITECTURAL FEATURES.

3. PROVIDE ALL MANUFACTURER-APPROVED MOUNTS, ADAPTERS, BACK BOXES, FASTENERS, SAFETY WIRES, SUPPORTS, AND ACCESSORIES REQUIRED FOR A RIGID INSTALLATION. DO NOT SUPPORT CAMERAS FROM CEILING GRID. MAINTAIN WALL / CEILING RATINGS; FIRESTOP PENETRATIONS; WEATHER-SEAL EXTERIOR ENTRIES; PROVIDE CORROSION-RESISTANT HARDWARE AND SURGE / BONDING PROTECTION WHERE REQUIRED.

4. PROVIDE A CONTINUOUS CAT 6A HOME-RUN CABLE FROM EACH CAMERA TO ITS ASSIGNED TELECOM ROOM; NO SPLICES. MAINTAIN MANUFACTURER AND TIA LENGTH / SEPARATION REQUIREMENTS, INSTALL SERVICE LOOPS, PROTECT CABLE FROM SHARP EDGES AND MOISTURE, AND TEST / CERTIFY EACH LINK INCLUDING POE DELIVERY. LABEL BOTH ENDS AND ALL PATCH-PANEL / SWITCH PORTS.

5. COORDINATE CAMERA IP ADDRESSES, VLAN, SWITCH PORTS, POE BUDGET, NTP, DNS, USER ACCOUNTS, CERTIFICATES, FIRMWARE, AND CYBERSECURITY SETTINGS WITH THE OWNER / IT DEPARTMENT. REMOVE DEFAULT CREDENTIALS, APPLY CURRENT OWNER-APPROVED FIRMWARE, AND DO NOT CONNECT DEVICES TO THE PRODUCTION NETWORK WITHOUT AUTHORIZATION.

6. AIM, FOCUS, PROGRAM, AND COMMISSION EACH CAMERA WITH THE OWNER / DESIGNER. VERIFY LIVE AND RECORDED VIDEO, NIGHT / IR PERFORMANCE, ANALYTICS, PRIVACY MASKS, FRAME RATE, COMPRESSION, BANDWIDTH, STORAGE RETENTION, VMS ALARMS, AND TIME SYNCHRONIZATION. SUBMIT TEST REPORTS, FINAL DEVICE / IP SCHEDULE, CONFIGURATION BACKUPS, AND WARRANTIES, AND OWNER TRAINING.

CAMERA NO.	CAMERA LOCATION	CAMERA TYPE	CAMERA MODEL	POE BUDGET	POE INJECTOR	ENVIRONMENT	MOUNT TYPE	CAMERA MOUNT + BACK BOX	MOUNT DETAIL	AVERAGE BANDWIDTH	MIN. RETENTION	DAILY RECORDING CYCLE	COMPRESSION	RESOLUTION	IMAGE RATE
100-1	GUN CAGE 100	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CORNER	AXIS MOUNT / VERIFY	A/T0.4	22.60 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
101-1	CHOW 101	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	WALL	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
101-2	CHOW 101	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	22.64 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
101-3	CHOW 101	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CEILING	AXIS MOUNT / VERIFY	A/T0.4	22.64 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
101-4	CHOW 101 / ENTRY	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	WALL	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
101-5	CHOW 101 / ENTRY	FIXED-VARIFOCAL DOME	AXIS, P3277-LVE	POE CLASS 3 (12.9W MAX)	-	EXTERIOR	WALL	INCLUDED	D/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
101-6	NORTH EXTERIOR / V101	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	EXTERIOR	CORNER/WALL	INCLUDED	E/T0.4	22.64 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
102-1	CHOW 102	DUAL-SENSOR 180°	AXIS, P4707-PLVE	POE CLASS 4 (17.5W MAX)	-	INTERIOR	WALL	AXIS MOUNT / VERIFY	B/T0.4	6.98 MBPS DESIGN	30 D MIN	24 H	H.265	2 × 5 MP	15 FPS
102-2	CHOW 102	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CEILING	AXIS MOUNT / VERIFY	B/T0.4	22.64 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
102-3	CHOW 102	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CORNER	AXIS MOUNT / VERIFY	B/T0.4	22.60 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
102-4	DRY STORAGE 110	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	B/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
102-5	CHOW 102	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	EXTERIOR	WALL	INCLUDED	D/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
103-1	DISH UP 103	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
104-1	TRAYLINE 106	DUAL-SENSOR 180°	AXIS, P4707-PLVE	POE CLASS 4 (17.5W MAX)	-	INTERIOR	CEILING	AXIS MOUNT / VERIFY	A/T0.4	7.00 MBPS DESIGN	30 D MIN	24 H	H.265	2 × 5 MP	15 FPS
104-2	DISHWASH 104	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
104-3	GUN CAGE 100	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	WALL	INCLUDED	D/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
105-1	DISH UP 105	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
107-1	RELIGIOUS DIET 107	ANTI-LIGATURE FIXED CORNER	AXIS, Q9227-SLV STEEL	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CORNER/CEILING	INCLUDED	H/T0.4	4.40 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
108-1	PRODUCTION 108	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CEILING	AXIS MOUNT / VERIFY	A/T0.4	22.64 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
108-2	PRODUCTION 108	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
108-3	PRODUCTION 108	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CORNER	AXIS MOUNT / VERIFY	A/T0.4	22.60 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
108-4	PRODUCTION 108	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CEILING	AXIS MOUNT / VERIFY	A/T0.4	22.64 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
108-5	BREAKDOWN 109	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CEILING	AXIS MOUNT / VERIFY	A/T0.4	22.64 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
108-6	BREAKDOWN 109	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CEILING	AXIS MOUNT / VERIFY	A/T0.4	22.64 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
109-1	BREAKDOWN 109	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
109-2	BREAKDOWN 109	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
110-1	DRY STORAGE 110	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
110-2	DRY STORAGE 110	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
110-3	EXTERIOR / DRY STORAGE 110	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	EXTERIOR	WALL/CORNER	AXIS MOUNT / VERIFY	E/T0.4	22.60 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
118-1	DRY STORAGE 118	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
118-2	DRY STORAGE 118	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
118-3	DRY STORAGE 118	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
118-4	DRY STORAGE 118 / EXTERIOR CORNER	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	EXTERIOR	WALL/CORNER	AXIS MOUNT / VERIFY	E/T0.4	22.60 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
118-5	DRY STORAGE 118	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
119-1	BAKERY 119	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CEILING	AXIS MOUNT / VERIFY	A/T0.4	22.64 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
120-1	DRY STORAGE 120	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
123-1	RECEIVING 123	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
131-1	INMATE BREAK 131	ANTI-LIGATURE FIXED CORNER	AXIS, Q9227-SLV STEEL	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CORNER/CEILING	INCLUDED	H/T0.4	4.40 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
132-1	STAFF TRAINING / CULINARY EDUC. 132	ANTI-LIGATURE FIXED CORNER	AXIS, Q9227-SLV STEEL	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CORNER/CEILING	INCLUDED	H/T0.4	4.40 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
133-1	LAUNDRY 133	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	INTERIOR	CEILING	AXIS MOUNT / VERIFY	A/T0.4	22.64 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
133-2	LAUNDRY 133	FIXED-VARIFOCAL DOME	AXIS, P3277-LVE	POE CLASS 3 (12.9W MAX)	-	INTERIOR	WALL	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
134-1	STORE DETERGENT 134	ANTI-LIGATURE FIXED CORNER	AXIS, Q9227-SLV STEEL	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CORNER/CEILING	INCLUDED	H/T0.4	4.40 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
134-2	STORE DETERGENT 134 — EXTERIOR	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	EXTERIOR	WALL / CORNER	AXIS MOUNT / VERIFY	E/T0.4	22.58 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
135-1	LINEN STORAGE 135	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
136-1	WASHER / DRYER 136	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED		4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
136-2	WASHER / DRYER 136	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
136-3	EXTERIOR / WASHER-DRYER 136	MULTIDIRECTIONAL / 4-SENSOR	AXIS, P3737-PLE	POE CLASS 4 (23.3W MAX)	-	EXTERIOR	WALL / CORNER	AXIS MOUNT / VERIFY	E/T0.4	22.58 MBPS DESIGN	30 D MIN	24 H	H.265	4 × 5 MP	15 FPS
138-1	BREAK 138	ANTI-LIGATURE FIXED CORNER	AXIS, Q9227-SLV STEEL	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CORNER/CEILING	INCLUDED	H/T0.4	4.40 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
CORR-1	CORRIDOR	DUAL-SENSOR 180°	AXIS, P4707-PLVE	POE CLASS 4 (17.5W MAX)	-	INTERIOR	CEILING	AXIS MOUNT / VERIFY	A/T0.4	7.00 MBPS DESIGN	30 D MIN	24 H	H.265	2 × 5 MP	15 FPS
D-1	RECEIVING 123 / SOUTHEAST DOORWAY	FIXED-VARIFOCAL DOME	AXIS, P3277-LVE	POE CLASS 3 (12.9W MAX)	-	EXTERIOR	WALL	INCLUDED	D/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
D-2	DOCK / EXTERIOR	FIXED-VARIFOCAL DOME	AXIS, P3277-LVE	POE CLASS 3 (12.9W MAX)	-	EXTERIOR	WALL	INCLUDED	D/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
D-3	SERVICE / JANITORIAL M103	DUAL-SENSOR 180°	AXIS, P4707-PLVE	POE CLASS 4 (17.5W MAX)	-	EXTERIOR	WALL	AXIS MOUNT / VERIFY	D/T0.4	7.00 MBPS DESIGN	30 D MIN	24 H	H.265	2 × 5 MP	15 FPS
E100-1	ELECTRICAL E100	ANTI-LIGATURE FIXED CORNER	AXIS, Q9227-SLV STEEL	POE CLASS 3 (12.9W MAX)	-	INTERIOR	WALL	INCLUDED	D/T0.4	4.40 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
M100-1	MECHANICAL M100	ANTI-LIGATURE FIXED CORNER	AXIS, Q9227-SLV STEEL	POE CLASS 3 (12.9W MAX)	-	INTERIOR	WALL	INCLUDED	D/T0.4	4.40 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
M101-1	FIRE RISER M101	ANTI-LIGATURE FIXED CORNER	AXIS, Q9227-SLV STEEL	POE CLASS 3 (12.9W MAX)	-	EXTERIOR	WALL	INCLUDED	D/T0.4	4.40 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
V100-1	VESTIBULE V100	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	WALL	INCLUDED	D/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
V101-1	VESTIBULE V101	FIXED-VARIFOCAL DOME	AXIS, P3277-LVE	POE CLASS 3 (12.9W MAX)	-	EXTERIOR	WALL	INCLUDED	D/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
V101-2	VESTIBULE V101	FIXED-VARIFOCAL DOME	AXIS, P3277-LVE	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
V102-1	VESTIBULE V102	FIXED-VARIFOCAL DOME	AXIS, P3277-LVE	POE CLASS 3 (12.9W MAX)	-	EXTERIOR	WALL	INCLUDED	D/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
V102-2	VESTIBULE V102	FIXED-VARIFOCAL DOME	AXIS, P3277-LV	POE CLASS 3 (12.9W MAX)	-	INTERIOR	CEILING	INCLUDED	A/T0.4	4.86 MBPS DESIGN	30 D MIN	24 H	H.265	5 MP	15 FPS
TOTALS				969 W MAX / 555 W TYP						598 Mbps DESIGN	30 D MIN				60 DEVICES

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8112 Maryland Ave., Ste 400 | Clayton, MO
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Revision Schedule

#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
TELECOM SCHEDULES

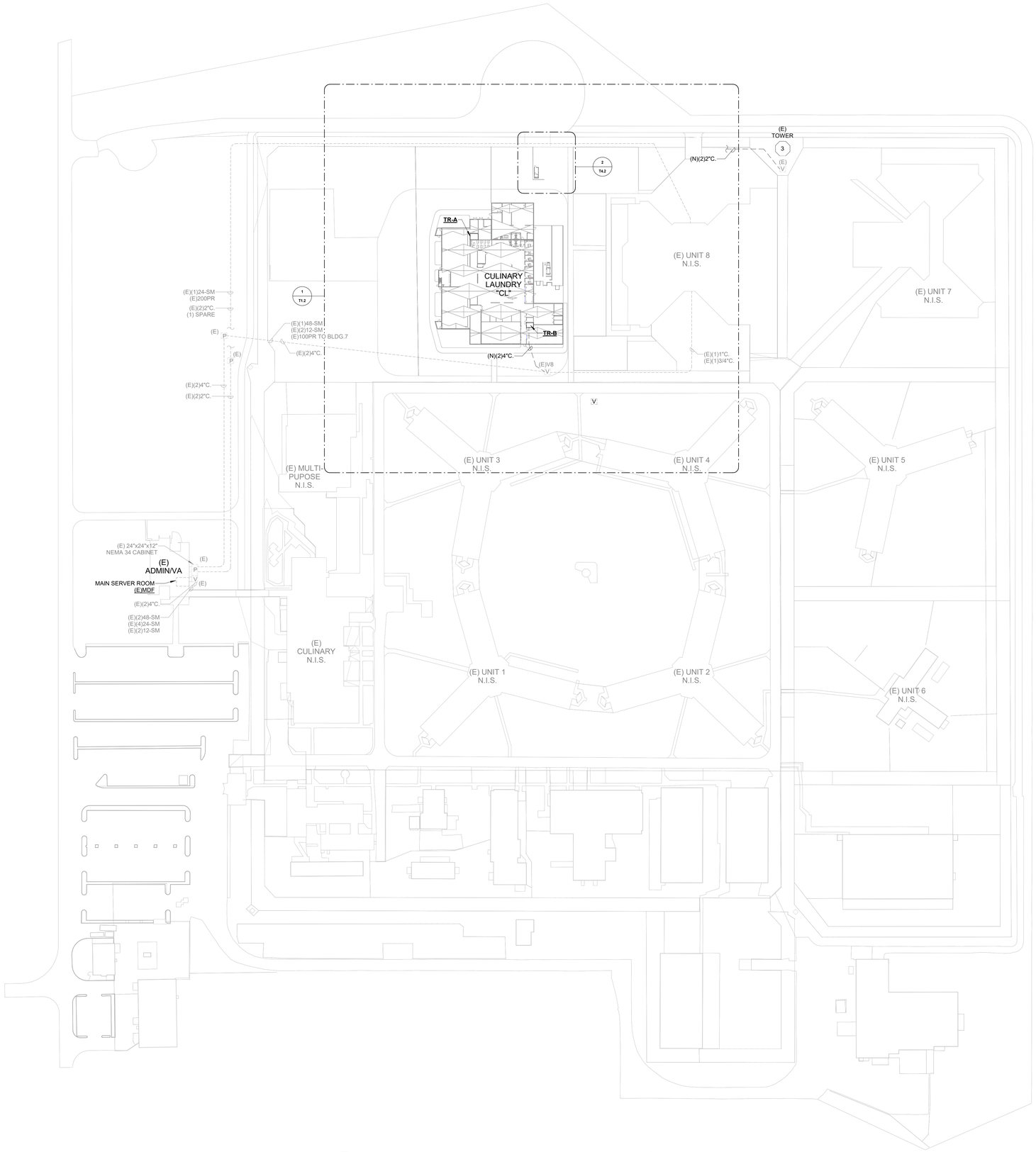
job number
25015

date
OCTOBER 26, 2026

drawing number
T0.8

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10/26/2026 3:58:49 PM



1 T1.1 OVERALL TELECOM SITE PLAN
Scale: 1" = 80'-0"

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10/26/26

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Revision Schedule		
#	Date	Description

CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
OVERALL TELECOM SITE PLAN

job number
25015

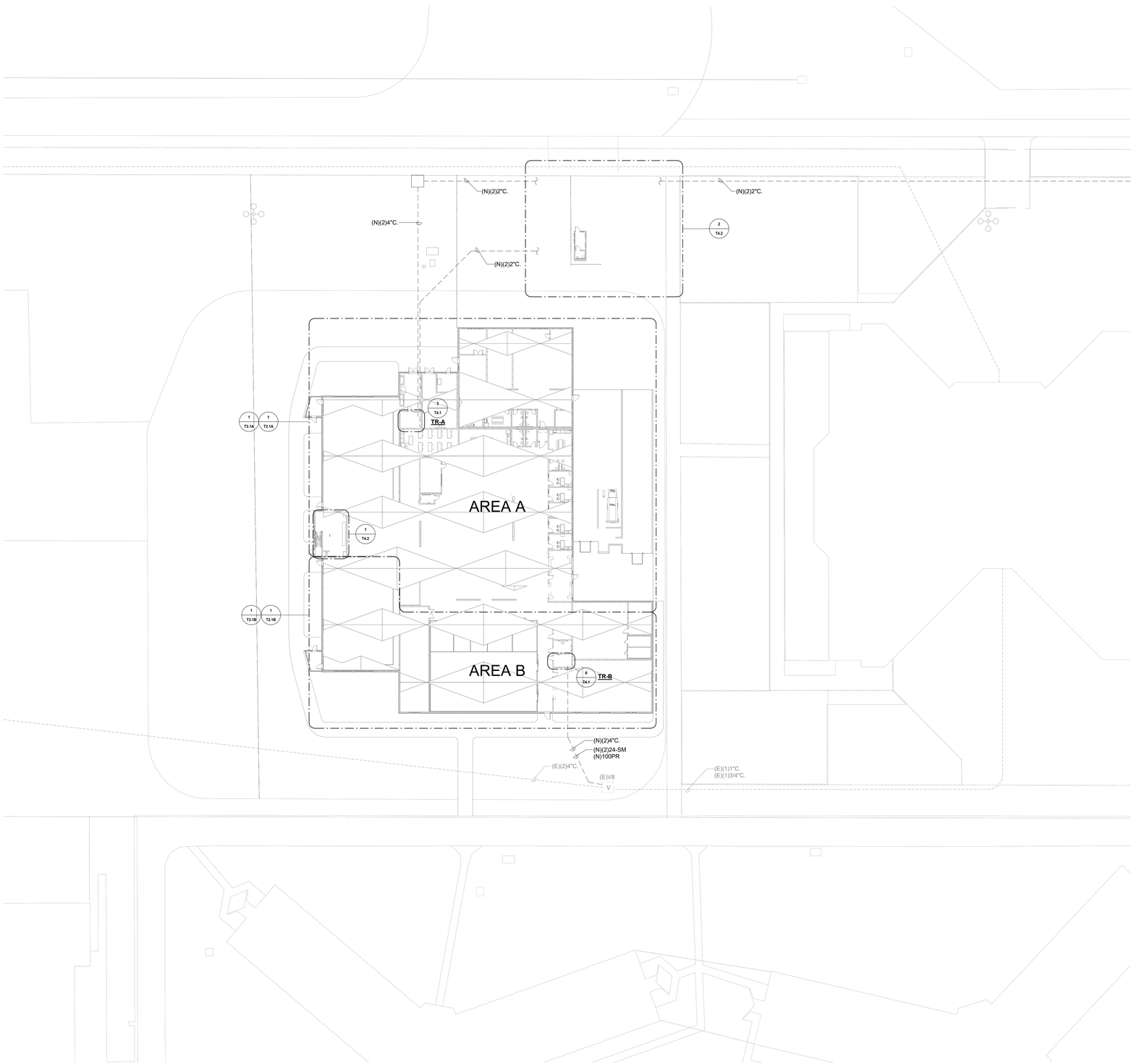
date
OCTOBER 26, 2026

drawing number
T1.1

GENERAL NOTES

1. (E) AND/OR SOLID HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.

SHEET NOTES



1 / T1.2 TELECOM SITE PLAN
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STATE OF NEVADA
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CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
TELECOM SITE PLAN

job number
25015

date
OCTOBER 26, 2026

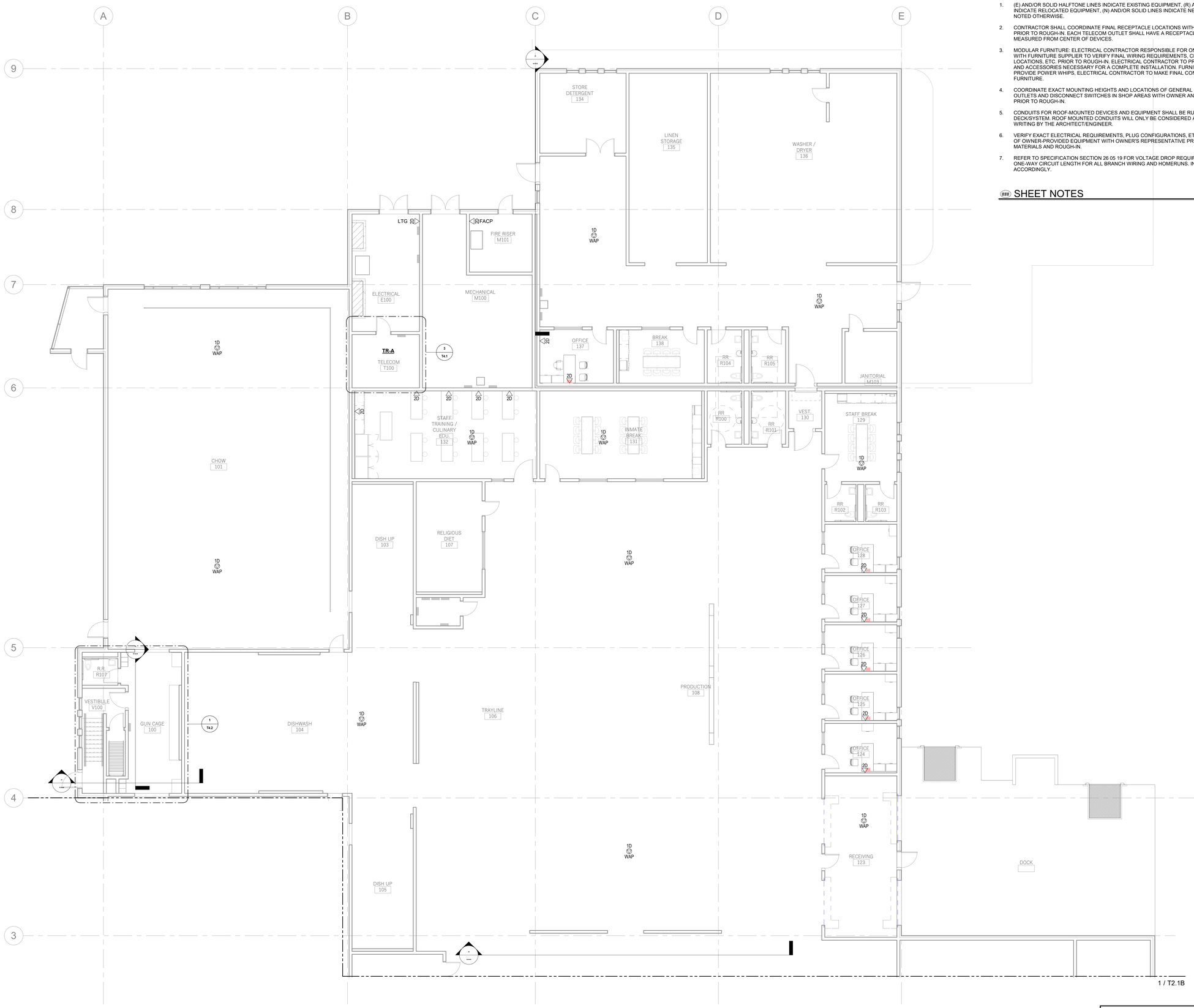
drawing number
T1.2

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GENERAL NOTES

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2. CONTRACTOR SHALL COORDINATE FINAL RECEPTACLE LOCATIONS WITH TELECOM OUTLETS PRIOR TO ROUGH-IN. EACH TELECOM OUTLET SHALL HAVE A RECEPTACLE LOCATED WITHIN 12", MEASURED FROM CENTER OF DEVICES.
3. MODULAR FURNITURE: ELECTRICAL CONTRACTOR RESPONSIBLE FOR ON-SITE COORDINATION WITH FURNITURE SUPPLIER TO VERIFY FINAL WIRING REQUIREMENTS, CIRCUITING, J-BOX LOCATIONS, ETC. PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR TO PROVIDE ALL HARDWARE AND ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION. FURNITURE SUPPLIER TO PROVIDE POWER WHIPS, ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS TO FURNITURE.
4. COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS OF GENERAL RECEPTACLES, SPECIAL OUTLETS AND DISCONNECT SWITCHES IN SHOP AREAS WITH OWNER AND EQUIPMENT SUPPLIERS PRIOR TO ROUGH-IN.
5. CONDUITS FOR ROOF-MOUNTED DEVICES AND EQUIPMENT SHALL BE RUN BELOW ROOF DECK/SYSTEM. ROOF MOUNTED CONDUITS WILL ONLY BE CONSIDERED AND APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
6. VERIFY EXACT ELECTRICAL REQUIREMENTS, PLUG CONFIGURATIONS, ETC., AND FINAL LOCATIONS OF OWNER-PROVIDED EQUIPMENT WITH OWNER'S REPRESENTATIVE PRIOR TO ORDERING OF MATERIALS AND ROUGH-IN.
7. REFER TO SPECIFICATION SECTION 26 05 19 FOR VOLTAGE DROP REQUIREMENTS AND MAXIMUM ONE-WAY CIRCUIT LENGTH FOR ALL BRANCH WIRING AND HOMERUNS. INCREASE WIRE SIZE ACCORDINGLY.

SHEET NOTES



1 T2.1A TELECOM PLAN AREA A
Scale: 1/8" = 1'-0"

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STATE OF NEVADA
1721 E. SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
TELECOM PLAN AREA A

job number
25015

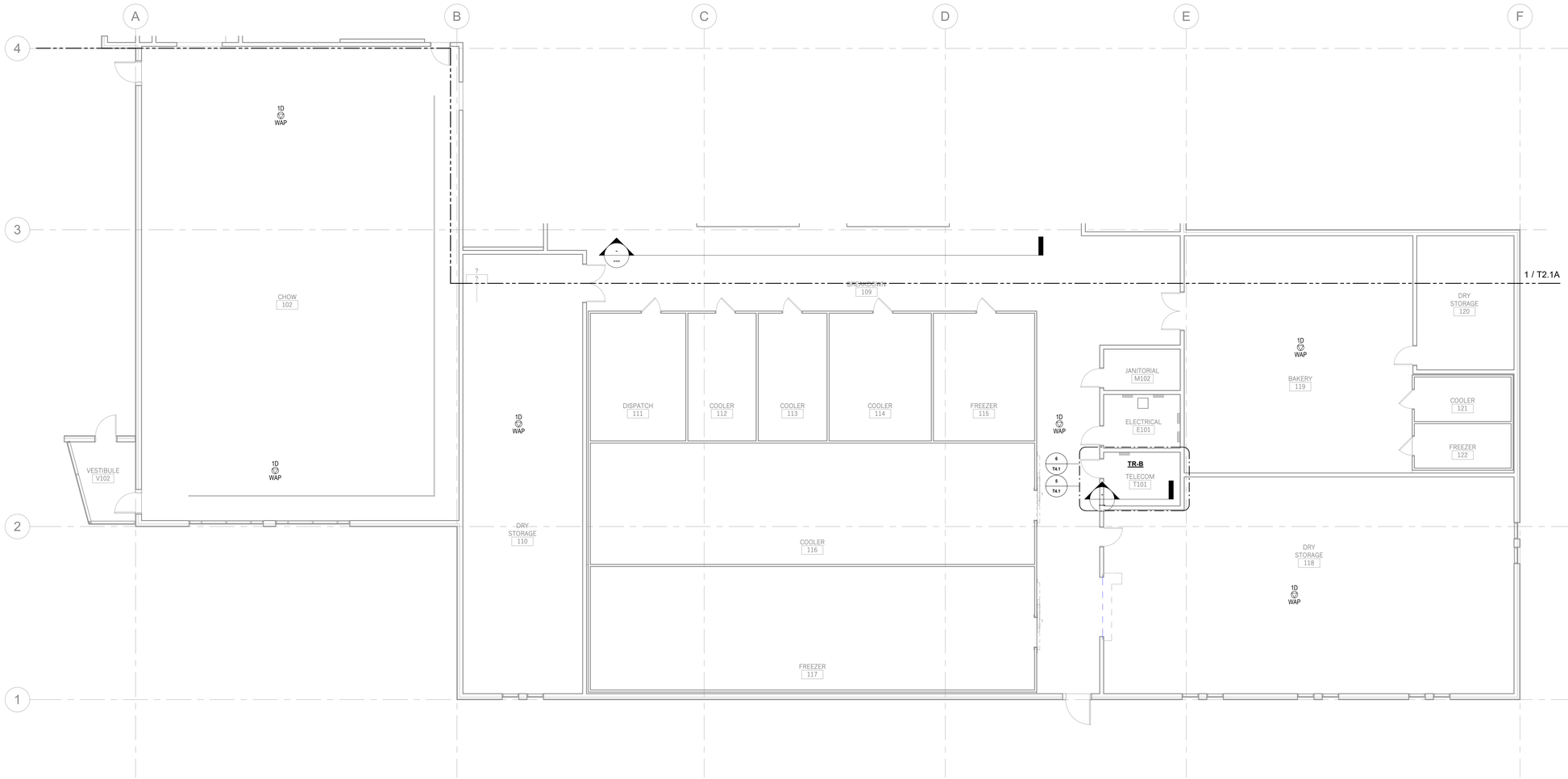
date
OCTOBER 26, 2026

drawing number
T2.1A

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SHEET NOTES



1 / T2.1B TELECOM PLAN AREA B

Scale: 1/8" = 1'-0"

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Revision Schedule

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CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
STATE OF NEVADA
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DESIGN DEVELOPMENT

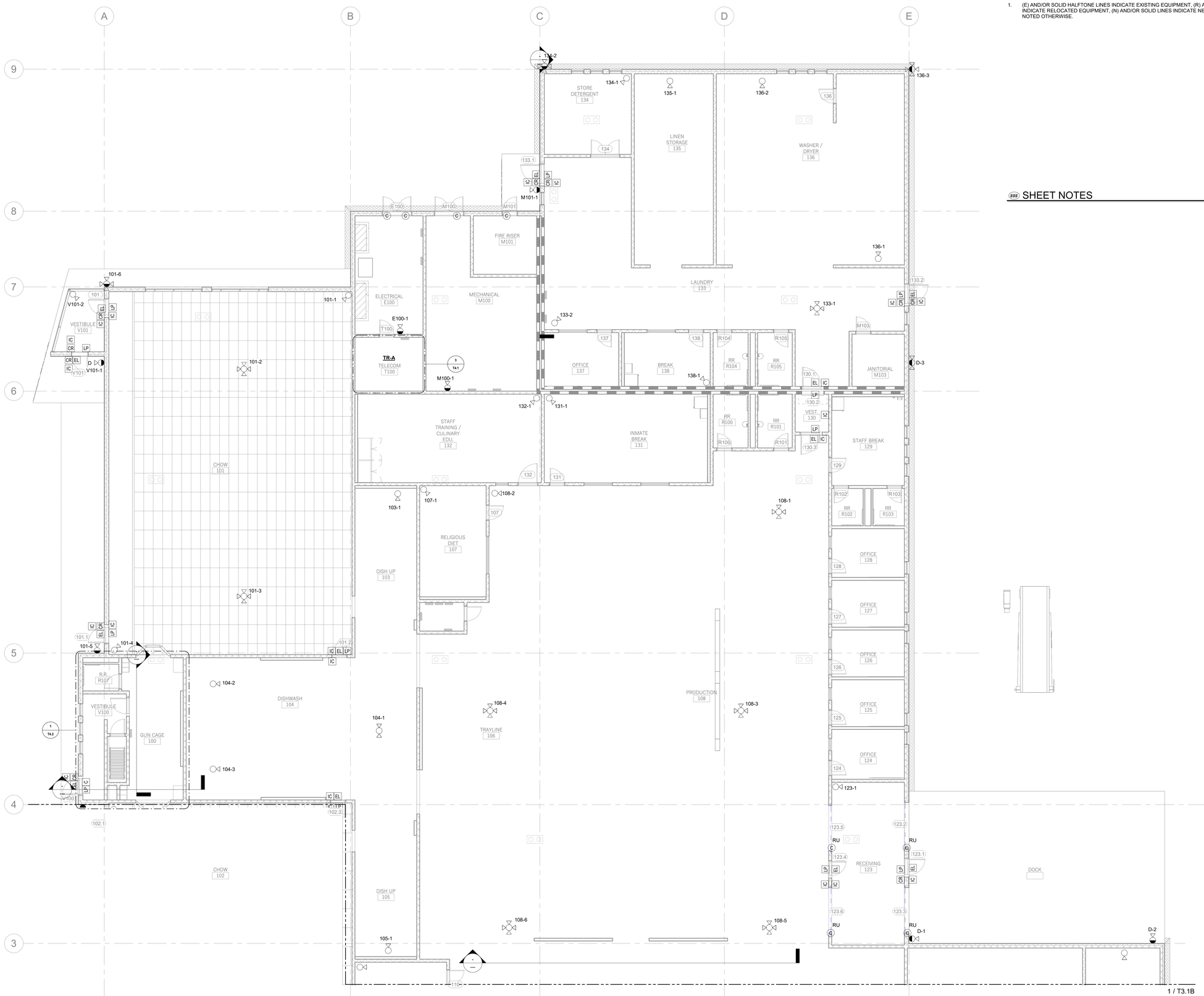
drawing title
TELECOM PLAN AREA B

job number
25015

date
OCTOBER 26, 2026

drawing number
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GENERAL NOTES

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SHEET NOTES

1 SECURITY PLAN AREA A
T3.1A Scale: 1/8" = 1'-0"

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Revision Schedule		
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CULINARY, BAKERY, AND LAUNDRY BUILDING (NNCC)
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DESIGN DEVELOPMENT

drawing title
SECURITY PLAN AREA A

job number
25015

date
OCTOBER 26, 2026

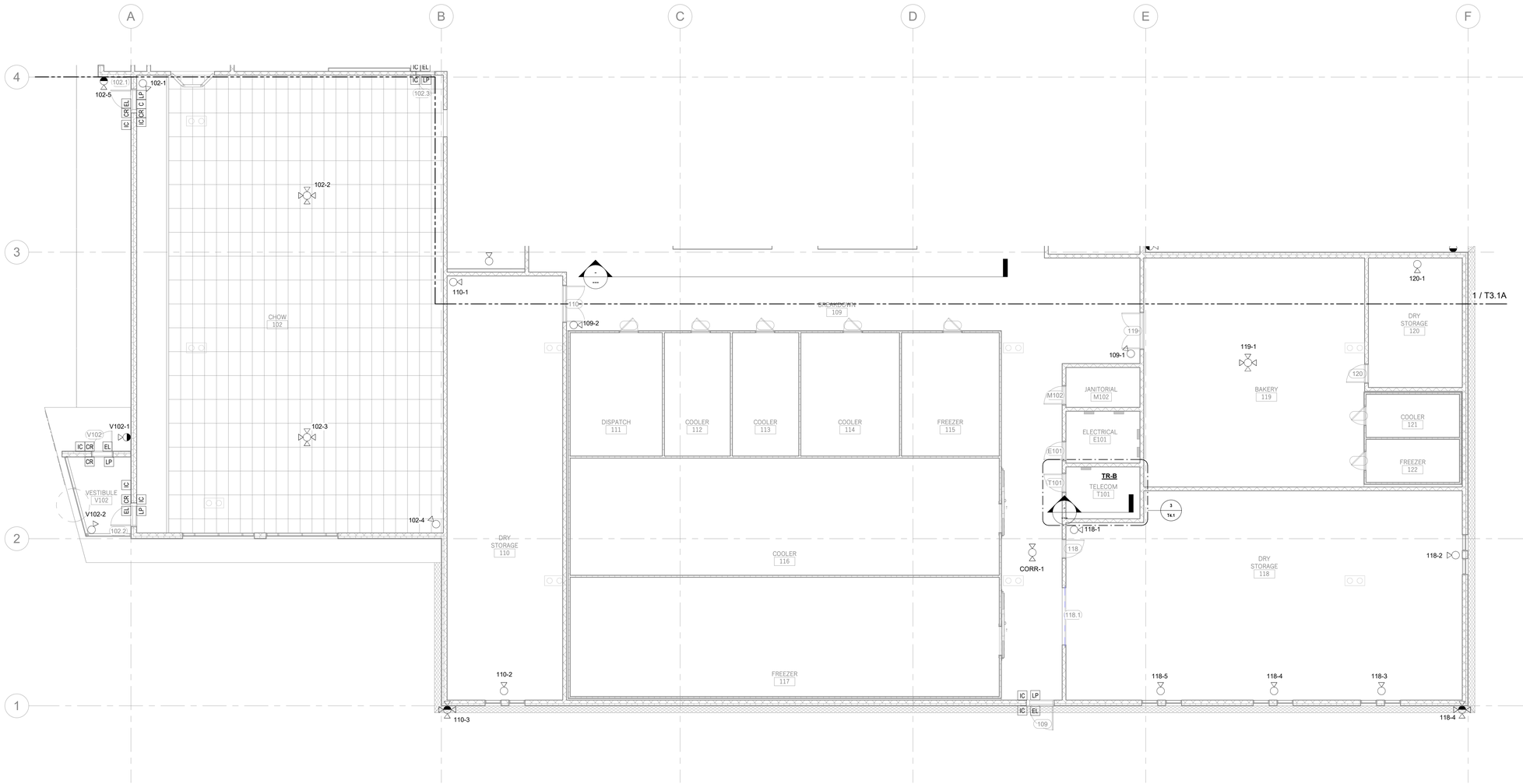
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SHEET NOTES



1 / T3.1B SECURITY PLAN AREA B

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Revision Schedule		
#	Date	Description

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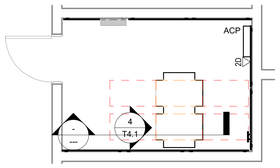
DESIGN DEVELOPMENT

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SECURITY PLAN AREA B

job number
25015

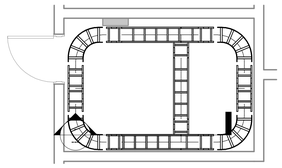
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OCTOBER 26, 2026

drawing number
T3.1B



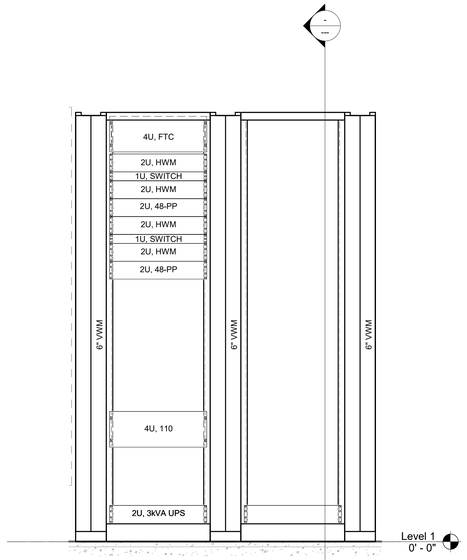
ENLARGED EQUIPMENT PLAN - TR-B

6 T4.1 Scale: 1/4" = 1'-0"



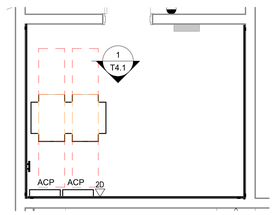
ENLARGED PATHWAY PLAN - TR-B

5 T4.1 Scale: 1/4" = 1'-0"



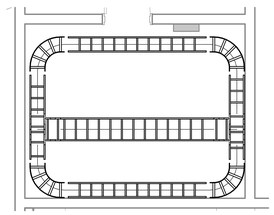
RACK ELEVATION - TR-B

4 T4.1 Scale: 1" = 1'-0"



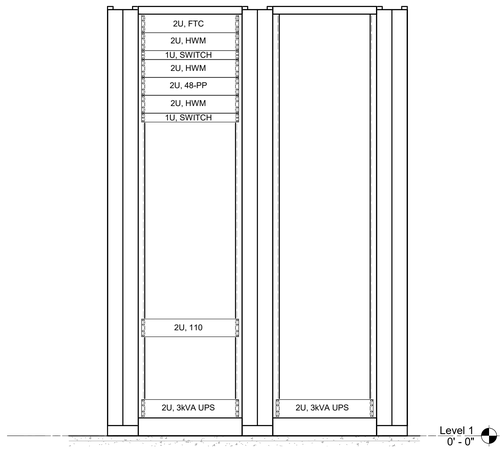
ENLARGED EQUIPMENT PLAN - TR-A

3 T4.1 Scale: 1/4" = 1'-0"



ENLARGED PATHWAY PLAN - TR-A

2 T4.1 Scale: 1/4" = 1'-0"



RACK ELEVATION - TR-A

1 T4.1 Scale: 1" = 1'-0"

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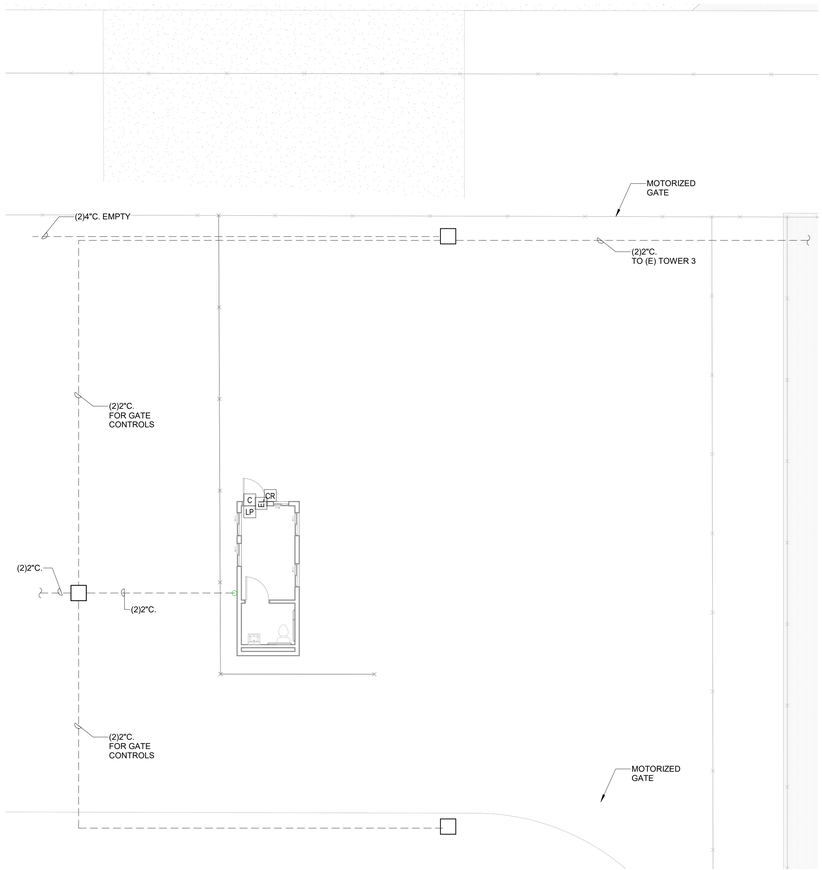
DESIGN DEVELOPMENT

drawing title
TELECOM ENLARGED PLANS

job number
25015

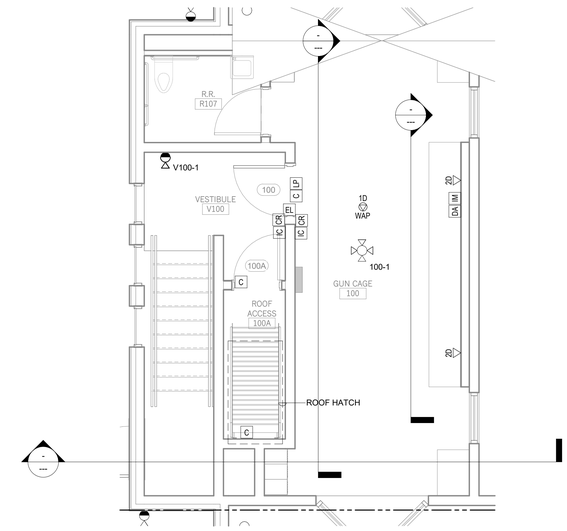
date
OCTOBER 26, 2026

drawing number
T4.1



2 T4.2 ENLARGED GUARD SHACK PLAN

Scale: 1/8" = 1'-0"



1 T4.2 ENLARGED GUN CAGE TELECOM PLAN

Scale: 1/4" = 1'-0"

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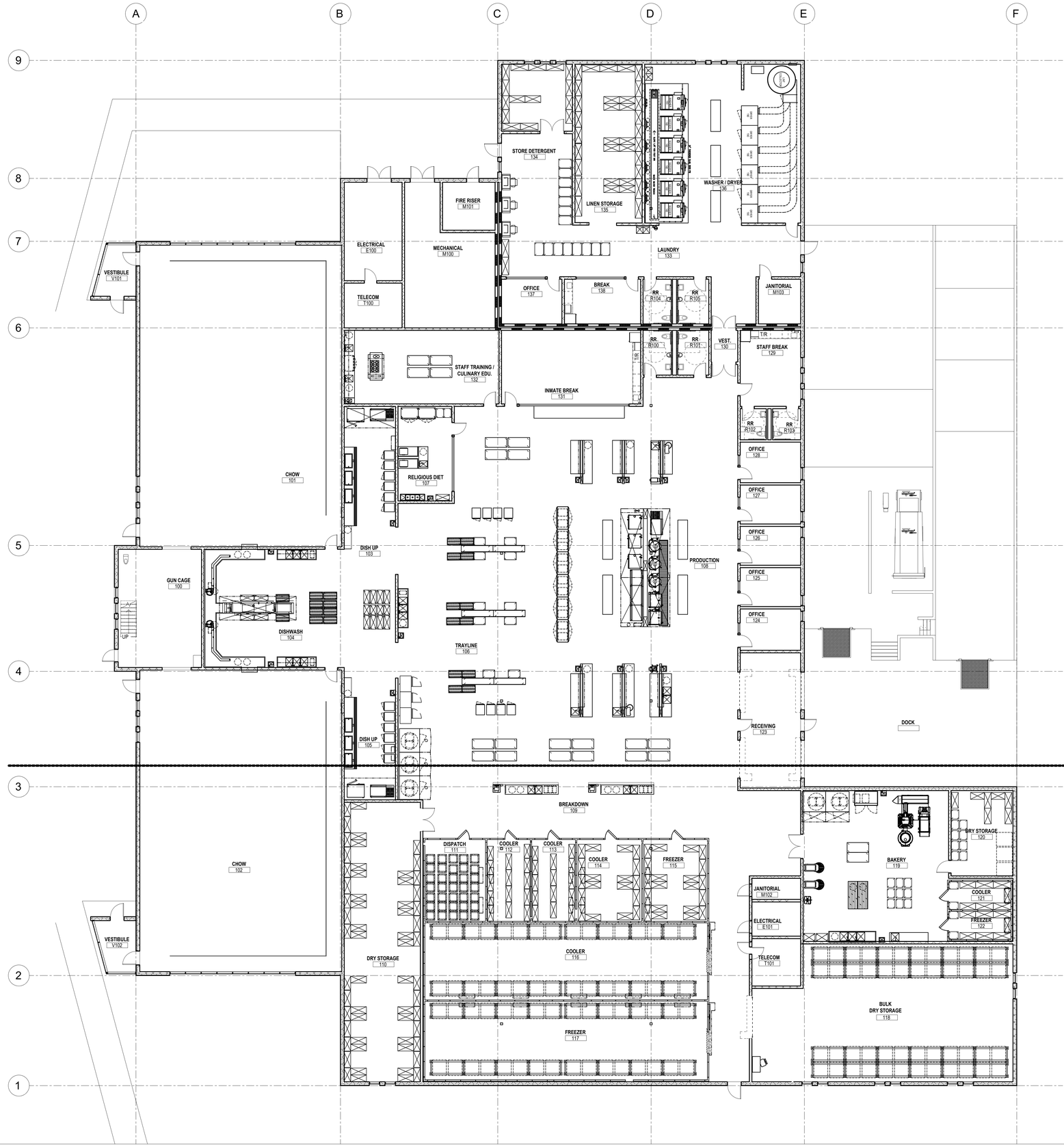
DESIGN DEVELOPMENT

drawing title
TELECOM ENLARGED PLANS

job number
25015

date
OCTOBER 26, 2026

drawing number
T4.2



01 Overall Plan - Foodservice and Laundry

SCALE: 3/32" = 1'-0"

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SHEET NOTES

FOODSERVICE HEALTH DEPARTMENT REQUIREMENTS:

A. ALL EQUIPMENT, MANUFACTURED OR CUSTOM FABRICATED, TO HAVE NSF, ETL SANITATION OR UL SANITATION APPROVALS.

B. INSTALLATION TO MEET STATE OF NEVADA, DEPARTMENT OF HEALTH, SANITATION BRANCH, LATEST CODE EDITION.

C. ALL EXPOSED PLUMBING AND GAS LINES MUST BE MOUNTED OR ENCLOSED SO AS TO FACILITATE CLEANING. AN EFFORT SHOULD BE MADE TO ENCLOSE ALL PLUMBING LINES WITHIN WALLS UNLESS OTHERWISE APPROVED.

D. ALL EQUIPMENT WHICH GENERATES CONDENSATE AND LIQUID WASTES FROM STEAM TABLES, ICE MACHINES AND BINS, UTENSIL WASH SINKS, FOOD PREPARATION SINKS, DISPLAY CASES, ETC. SHALL BE DRAINED BY MEANS OF INDIRECT WASTE PIPES INTO FLOOR SINK OR OTHER APPROVED INDIRECT WASTE RECEPTOR. FLOOR DRAINS ARE NOT TO BE USED IN LIEU OF FLOOR SINKS. ALL WASTE LINES MUST BE HARD PIPED FROM POINT OF CONNECTIONS.

E. ALL FLOOR SINKS SHALL BE AT LEAST HALF EXPOSED OR OTHERWISE READILY ACCESSIBLE FOR INSPECTION AND CLEANING. FLOOR SINK SHOULD NOT POSE A TRIPPING HAZARD (MOUNT ALL FLOOR SINKS FLUSH WITH FLOOR)

F. ALL EXPOSED ELECTRICAL LINES SHALL BE ENCLOSED WITHIN SMOOTH, RIGID CONDUIT AND BE MOUNTED OR ENCLOSED SO AS TO FACILITATE CLEANING. FLEX CONDUIT IS ONLY PERMITTED IF ENCLOSED WITHIN WALLS.

G. SUFFICIENT NATURAL OR ARTIFICIAL LIGHTING REQUIRED: FIFTY (50) FOOT-CANDLES IN FOOD PREPARATION, UTENSIL WASH, STORAGE, RESTROOMS.

H. SHATTER PROOF SHIELDS ON LIGHTS REQUIRED ABOVE FOOD PREPARATION, OPEN FOOD STORAGE, UTENSIL-CLEANING AREAS AND HOODS.

I. AN APPROVED FLOORING MATERIAL, FOUR INCH (MINIMUM) HIGH CONTINUOUSLY COVED BASE, (3/8" MIN. COVE AT WALL/FLOOR/EQUIPMENT JUNCTURE).

RECOMMENDED ARCHITECTURAL FINISHES:

A. FLOORS:
POURED EPOXY OR QUARRY TILE.
REQUIRED IN ALL KITCHEN AREAS, STORAGE, JANITOR ROOMS AND SHARED RESTROOMS.
SEE BUILDING CONDITIONS PLAN FOR COLD STORAGE ROOM REQUIREMENTS.

B. WALLS:
BACK OF HOUSE: FRP FROM TOP OF COVED FLOORING BASE TO FINISHED CEILING.
STAINLESS STEEL PROVIDED BY FOODSERVICE BEHIND COOKING EQUIPMENT.
FRONT OF HOUSE: PAINT OR CERAMIC TILE.

C. CEILINGS:
T-GRID WITH VILYLROCK OR SIMILAR LAY IN PANELS.
PAINTED HARD-LID GYP CEILING.

RECOMMENDED CONSTRUCTION:

A. WALLS BEHIND EXHAUST HOODS:
METAL STUD WITH 5/8" TYPE-X SHEET ROCK. EXTEND 18" BEYOND BACK AND SIDES OF HOOD.

B. CEILINGS:
MINIMUM CEILING HEIGHT 108" AFF.

LAUNDRY NOTES:

GENERAL CONTRACTOR TO PROVIDE:

1. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER SECTION 111000 LAUNDRY EQUIPMENT.
2. OPENINGS/ACCESS FOR ALL LAUNDRY EQUIPMENT.

DRAWING SHEET LIST:

FS-00	FOODSERVICE AND LAUNDRY OVERALL PLAN
FS-10	FOODSERVICE EQUIPMENT PLAN
FS-11	FOODSERVICE BUILDING CONDITIONS AND VENTILATION PLAN
FS-12	FOODSERVICE PLUMBING ROUGH IN PLAN
FS-13	FOODSERVICE ELECTRICAL ROUGH IN PLAN
FS-14	FOODSERVICE BREAD SYSTEM
FS-15	FOODSERVICE REFRIGERATION SYSTEM
FS-16	FOODSERVICE REFRIGERATION SYSTEM
FS-17	FOODSERVICE REFRIGERATION SYSTEM
FS-18	FOODSERVICE WALK IN COOLER FREEZER
FS-19	FOODSERVICE WALK IN COOLER FREEZER
FS-20	FOODSERVICE EQUIPMENT PLAN
FS-21	FOODSERVICE BUILDING CONDITIONS AND VENTILATION PLAN
FS-22	FOODSERVICE PLUMBING ROUGH IN PLAN
FS-23	FOODSERVICE ELECTRICAL ROUGH IN PLAN
FS-24	FOODSERVICE EXHAUST HOOD ITEM 109
FS-25	FOODSERVICE FIRE SUPPRESSION ITEM 108
FS-26	FOODSERVICE DCKV SYSTEM ITEM 110
FS-27	FOODSERVICE WALK IN COOLERS FREEZERS
FS-28	FOODSERVICE WALK IN COOLERS FREEZERS
FS-29	FOODSERVICE WALK IN COOLERS FREEZERS
FS-30	FOODSERVICE EQUIPMENT PLAN
FS-31	FOODSERVICE BUILDING CONDITIONS AND VENTILATION PLAN
FS-32	FOODSERVICE PLUMBING ROUGH IN PLAN
FS-33	FOODSERVICE ELECTRICAL ROUGH IN PLAN
FS-34	FOODSERVICE EXHAUST HOOD ITEM 117
FS-35	FOODSERVICE FIRE SUPPRESSION SYSTEM ITEM 118
FS-36	FOODSERVICE DCKV SYSTEM ITEM 117
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FS-38	FOODSERVICE EXHAUST HOODS ITEMS 177 178
FS-39	FOODSERVICE FIRE SUPPRESSION SYSTEM ITEM 174
FS-40	FOODSERVICE FIRE SUPPRESSION SYSTEM ITEM 174
FS-41	FOODSERVICE DCKV SYSTEM ITEM 175
FS-42	FOODSERVICE EXHAUST HOOD ITEM 208
FS-43	FOODSERVICE DCKV SYSTEM ITEM 210
FS-44	FOODSERVICE FIRE SUPPRESSION SYSTEM ITEM 209
FS-50	FOODSERVICE EQUIPMENT PLAN
FS-51	FOODSERVICE BUILDING CONDITIONS AND VENTILATION PLAN
FS-52	FOODSERVICE PLUMBING ROUGH IN PLAN
FS-53	FOODSERVICE ELECTRICAL ROUGH IN PLAN
LS-10	LAUNDRY EQUIPMENT PLAN
LS-11	LAUNDRY BUILDING CONDITIONS AND VENTILATION PLAN
LS-12	LAUNDRY PLUMBING ROUGH IN PLAN
LS-13	LAUNDRY ELECTRICAL ROUGH IN PLAN

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

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CARSON CITY, NEVADA 89701

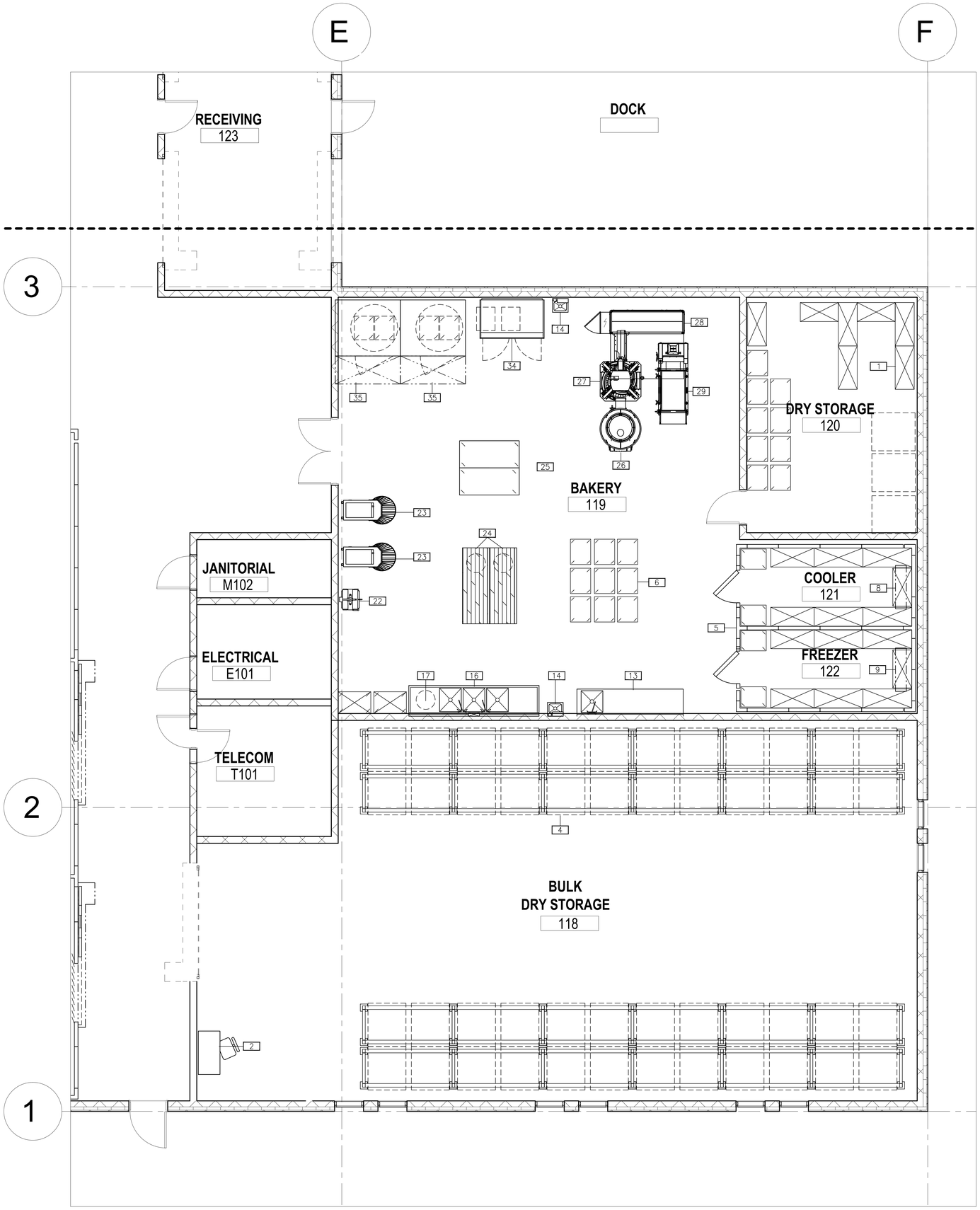
DESIGN DEVELOPMENT

drawing title
FOODSERVICE

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.00



SHEET NOTES

FOODSERVICE HEALTH DEPARTMENT REQUIREMENTS:

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EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES
1	LOT	SEISMIC SHELVING	EAGLE GROUP	EAGLEGARD 63-FOUR TIER/SFP10-2	
2	1	INVENTORY DESK/CHAIR	SPECIFIED BY ARCHITECT	NOT IN FSEC CONTRACT	NIC
3		NOT USED			
4	LOT	PALLET RACK SYSTEM	ARCTIC	THREE TIER	CFCI
5	1	WALK-IN COOLER/FREEZER	DURACOLD BY ARCTIC	8-8 CF MODULAR 4	
6	LOT	PAN RACK CART	EAGLE GROUP	UAR-70-A	
7	LOT	SEISMIC SHELVING	EAGLE GROUP	EAGLEGARD 63-FOUR TIER/SFP10-2	
8	1	COOLER BLOWER COIL	COOLTEC	MED TEMP	
9	1	FREEZER BLOWER COIL	COOLTEC	LOW TEMP	
10		NOT USED			
11		NOT USED			
12		NOT USED			
13	1	PREP TABLE WITH SINK	CUSTOM FABRICATED	SEE ELEVATIONS	
14	2	HAND SINK/SIDE SPLASH/S&T	EAGLE GROUP	HSAP-14-ADA-FE-B	
15	1	3-COMP WASH SINK	ADVANCE TABCO	FC3-1515-15RL	
16	1	WALL SHELF W/ UTENSIL RACK	ADVANCE TABCO	DT-6R-72	
17	LOT	TRASH CONTAINER	RUBBERMAID	FG354060GRAY	
18	LOT	MOBILE SHELVING	EAGLE GROUP	EAGLEGARD 63-FOUR TIER MOBILE	
19		NOT USED			
20		NOT USED			
21		NOT USED			
22	1	DOUGH DIVIDER / ROUNDER	DOYON	DSA4336	
23	2	280 QUART MIXER	DOYON	AEF080	
24	2	MOBILE WOOD TOP WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
25	2	MOBILE WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
26	1	DOUGH DIVIDER W/ HOPPER	GEMINI BAKERY SYSTEMS	GBS-BD1000 / 90L	
27	1	ROUNDER	GEMINI BAKERY SYSTEMS	GBS-CR1000	
28	1	MOULDER	GEMINI BAKERY SYSTEMS	GBS-BM1000	
29	1	PROOFER W/ UV LIGHT	GEMINI BAKERY SYSTEMS	GBS-IP176	
19		NOT USED			
20		NOT USED			
21		NOT USED			
21		NOT USED			
34	1	ROLL-IN PROOFER	BAXTER	PW2E-40.5D-FL	
35	2	ROLL-IN RACK OVEN/HOOD (TYPE-I)	BAXTER	CS500G1	
36	8	SINGLE RACK CART	BAXTER	BSSRSB-15	
37		NOT USED			
38		NOT USED			
39		NOT USED			
40	1	REMOTE REFRIGERATION SYSTEM	COOLTEC	REMOTE AIR COOLED	

ABBREVIATIONS:

FSEC	FOODSERVICE EQUIPMENT CONTRACTOR
S/S	STAINLESS STEEL
U/C	UNDER COUNTER
S&T	SOAP AND TOWEL
NIC	NOT IN CONTRACT

SCHEDULE / DRAWING NOTES:

01 Foodservice Equipment Plan
SCALE 1/4" = 1'-0"

6/18/2026 12:55:04 PM

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

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1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

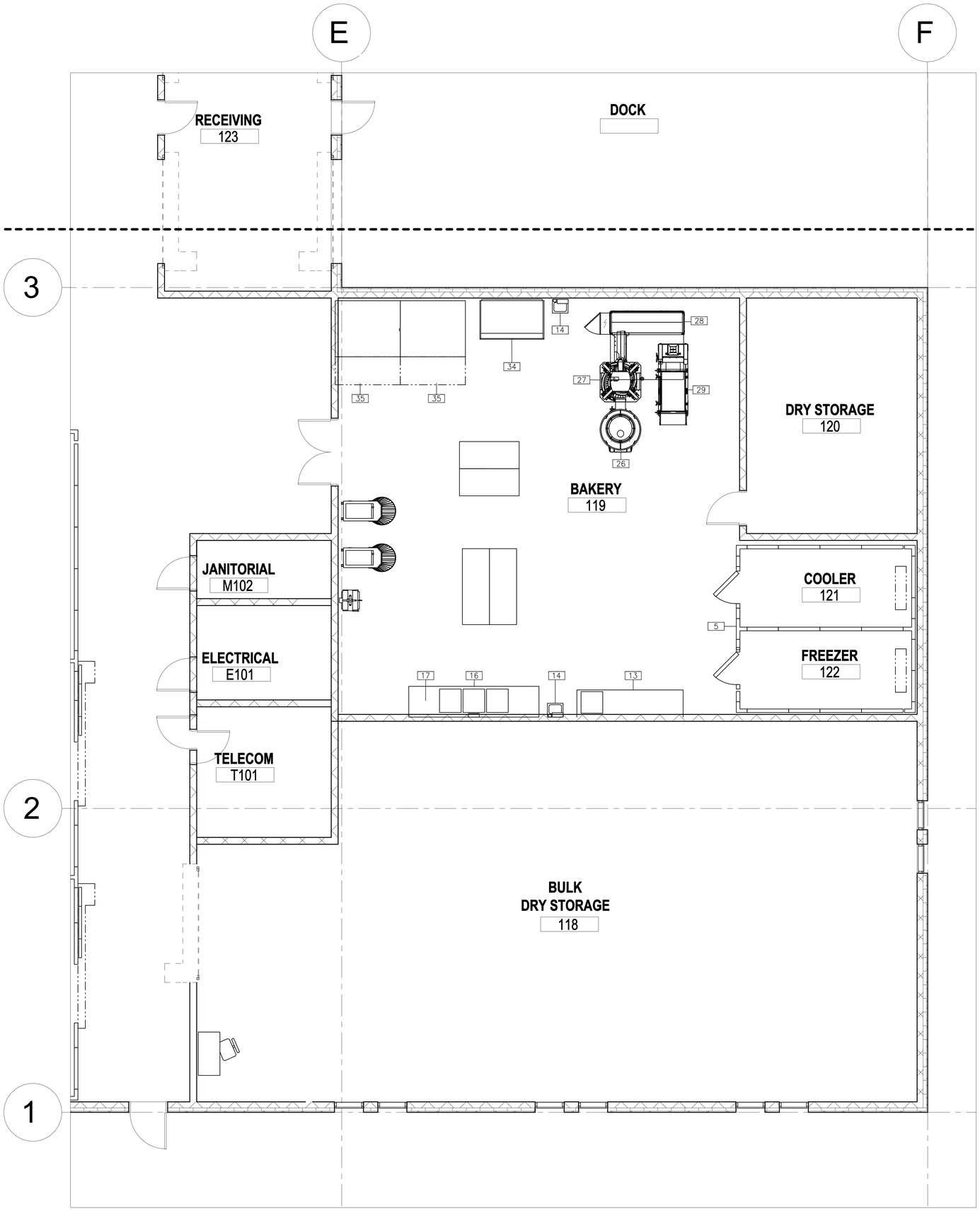
DESIGN DEVELOPMENT

drawing title
FOODSERVICE EQUIPMENT PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.10



NOTES:

GENERAL CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. WALLS, FLOORS AND CEILINGS IN FOODSERVICE AND WASHING AREAS OR ANY OTHER LOCATION WHERE FOOD OR BEVERAGES ARE PREPARED, SHALL BE SMOOTH, EASILY CLEANABLE, NON-ABSORBENT AND DURABLE. WALLS AND CEILINGS SHALL BE "LIGHT-IN COLOR".

C. OPENINGS/ACCESS FOR ALL FOODSERVICE EQUIPMENT.

D. WALL BACKING FOR WALL MOUNTED FOODSERVICE EQUIPMENT, SEE DETAIL, THIS SHEET.

E. WALLS WITH SOUND CONTROL BETWEEN DISHROOMS AND PUBLIC AREAS.

F. FLOOR DEPRESSIONS FOR COLD STORAGE ROOMS.

G. BLOCK OUTS IN FLOOR FOR FLUSH MOUNT FLOOR TROUGHS.

H. CONDUIT FOR BEVERAGE LINES.

I. CONDUIT FOR REFRIGERATION LINES.

J. COVED FINISHED FLOOR MATERIALS AT ALL VERTICAL SURFACES. (3/8" MINIMUM)

K. SLEEVES/ACCESS FOR REFRIGERATION PIPING.

L. ROOF CURB WITH GALVANIZED SHEET METAL CAP FOR REMOTE REFRIGERATION SYSTEM.

M. FIRE RATED MATERIALS AND OR INSULATION AS REQUIRED FOR EXHAUST DUCTS, VENT STACKS, HEAT PRODUCING EQUIPMENT, ROOF/WALL PENETRATIONS PER LOCAL CODES.

N. FILL EXCESS FLOOR DEPRESSIONS AROUND RECESSED COLD STORAGE ROOM COMPARTMENTS WITH GROUT, FINISH FLOOR MATERIAL AND COVED BASE AFTER INSTALLATION.

O. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

MECHANICAL CONTRACTOR TO PROVIDE:

H. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

I. EXHAUST SYSTEMS AND CONTROLS.

J. VFD'S AT FAN PACKAGE IF DCKV CONTROLS ARE PART OF FOODSERVICE EQUIPMENT SCOPE.

K. FINAL DUCT CONNECTIONS TO EXHAUST HOODS.

L. MAKE-UP AIR DIFFUSERS: DO NOT PLACE ANY DIFFUSERS WITHIN 10'-0" OF EXHAUST HOODS AND DO NOT HAVE ANY MAKE-UP AIR DIRECTED TOWARD EXHAUST HOODS.

VENTILATION / BUILDING CONDITIONS / AIR

ITEM	QTY	DESCRIPTION	VENTILATION EXHAUST			VENTILATION SUPPLY			WALL BACKING		COMPRESSED AIR		
			SIZE	CFM	WGSP	SIZE	CFM	WGSP	HT	OC	SUP	CFM	HT
1	LOT	SEISMIC SHELVING											
2	1	INVENTORY DESK/CHAIR											
3		NOT USED											
4	LOT	PALLET RACK SYSTEM											
5	1	WALK-IN COOLER/FREEZER											
6	LOT	PAN RACK CART											
7	LOT	SEISMIC SHELVING											
8	1	COOLER BLOWER COIL											
9	1	FREEZER BLOWER COIL											
10		NOT USED											
11		NOT USED											
12		NOT USED											
13	1	PREP TABLE WITH SINK							6"	42"			
14	2	HAND SINK/SIDE SPLASH/S&T							12"	38"			
15	1	3-COMP WASH SINK							6"	46"			
16	1	WALL SHELF W/ UTENSIL RACK							12"	69"			
17	LOT	TRASH CONTAINER											
18	LOT	MOBILE SHELVING											
19		NOT USED											
20		NOT USED											
21		NOT USED											
22	1	DOUGH DIVIDER / ROUNDER											
23	2	280 QUART MIXER											
24	2	MOBILE WOOD TOP WORK TABLE											
25	2	MOBILE WORK TABLE											
26	1	DOUGH DIVIDER W/ HOPPER											
27	1	ROUNDER											
28	1	MOULDER											
29	1	PROOFER W/ UV LIGHT											
19		NOT USED											
20		NOT USED											
21		NOT USED											
21		NOT USED											
34	1	ROLL-IN PROOFER											
35	2	ROLL-IN RACK OVEN/HOOD (TYPE-I)	8" DIA	600	0.60"								
36	8	SINGLE RACK CART											
37		NOT USED											
38		NOT USED											
39		NOT USED											
40	1	REMOTE REFRIGERATION SYSTEM											

ABBREVIATIONS:

CFM	CUBIC FEET/MINUTE	STUB	UTILITY UP FROM FLOOR
WGSP	WATER GUAGE STATIC PRESSURE	SUP	SUPPLY
HT	HEIGHT		
OC	ON CENTER		
FA	FROM ABOVE		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING

01 Foodservice Building Conditions and Ventilation Plan

SCALE 1/4" = 1'-0"

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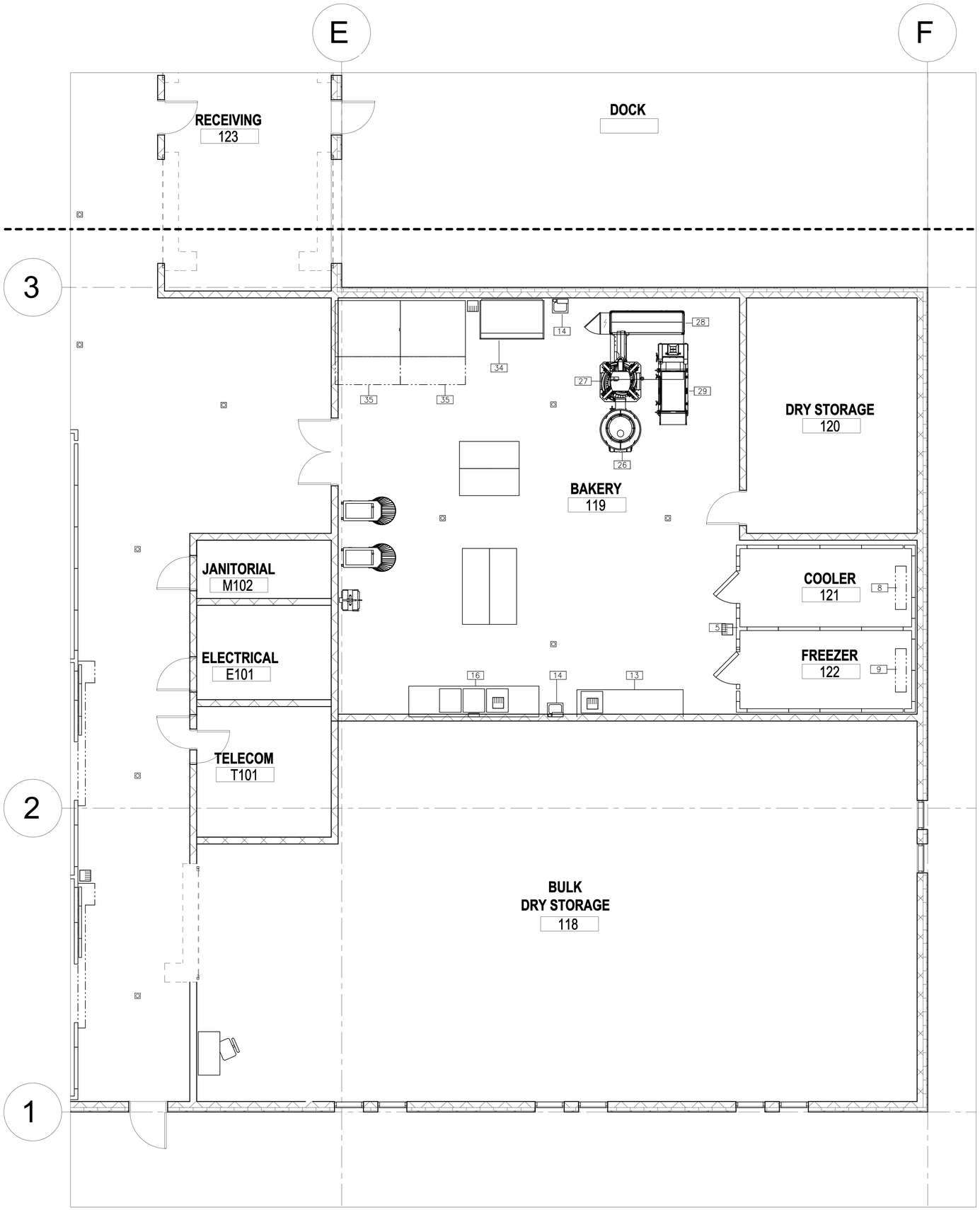
DESIGN DEVELOPMENT

drawing title
FOODSERVICE
BUILDING CONDITIONS AND VENTILATION PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.11



NOTES:

PLUMBING CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. ROUGH-IN AND FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT AS INDICATED ON DRAWINGS AND IN PLUMBING ROUGH-IN SCHEDULE, INCLUDING ALL MATERIALS SUCH AS STOPS, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING AND SHUT OFF'S AS REQUIRED.

C. MINIMUM 120 DEGREE HOT WATER WITH THE EXCEPTION OF HAND WASH SINKS.

D. PRESSURE REDUCING VALVE TO 20 PSI FOR DISHWASHERS/ BOOSTER HEATERS.

E. ALL WASTE LINES AS NOTED.

F. MINIMUM DIAMETER OF LINE AS INDICATED ON SCHEDULE REGARDLESS OF CONNECTION SIZE.

G. ALL DRAINS SLOPED DOWNWARD WITH ADEQUATE CLEAN-OUT PROVISIONS.

H. MAINTAIN DRAINS AS HIGH AS POSSIBLE ABOVE FLOOR.

I. ALL EXPOSED DRAIN LINES TO BE FINISHED IN STAINLESS STEEL PAINT (SEYMOUR 16-054).

J. INSULATION ON ALL HOT WATER AND CONDENSATE LINES.

K. FLOOR SINKS/FLOOR DRAINS. (SET FLUSH WITH FINISHED FLOOR).

L. ALL VENT PIPES ARE TO BE CONCEALED IN WALLS, COLUMNS OR CHASES, USE LOOP-VENTS FOR ISLAND FIXTURES.

M. MOP SINK, HOSE BIBB WITH VACUUM BREAKER AND MOP RACK.

N. INTERCONNECTION BETWEEN BOOSTER HEATER AND DISHMACHINE.

O. INTERCONNECTION BETWEEN SCRAP COLLECTOR AND SOILED DISHTABLE TROUGH.

P. INTERCONNECTION BETWEEN WASTE COLLECTOR, VACUUM BREAKER, AND PROVIDED SOLENOIDS.

Q. INTERCONNECTION BETWEEN ROUGH-IN, HOSE REEL AND VACUUM BREAKER.

R. INTERCONNECTION BETWEEN VENTILATOR AND CONTROL PANEL.

S. HEAT TAPE FOR FREEZER COMPARTMENT INDIRECT WASTE LINE.

T. GREASE TRAPS/INTERCEPTORS (LOCATED OUTSIDE OF KITCHEN AREA) AS SPECIFIED UNDER PLUMBING SECTION.

U. INSTALLATION OF FIRE PROTECTION SYSTEM GAS SHUT-OFF VALVE AND Y-STRAINER, 3" MAXIMUM DIA. (PROVIDED BY HOOD MANUFACTURER/FOODSERVICE EQUIPMENT CONTRACTOR).

V. PROVISIONS FOR DRAIN PIPING SERVING FLOOR TROUGHS/FLOOR SINKS AT COOKING EQUIPMENT (TILT KETTLES/SKILLETS) TO WITHSTAND DRAIN TEMPERATURES IN EXCESS OF 180 DEGREES.

W. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

FLOOR DRAIN
2" WASTE WITH TRAP PRIMER

FLOOR SINK
WASTE CONNECTION SHOWN ON PLAN

PLUMBING ROUGH-IN

ITEM	QTY	DESCRIPTION	WATER				WASTE			GAS			CHILLED WATER				STEAM			
			CW	HW	HT	GPH	IND	DIR	HT	SUP	MBH	HT	SUP	RET	HT	GPM	SUP	RET	HT	LB/HR
1	LOT	SEISMIC SHELVING																		
2	1	INVENTORY DESK/CHAIR																		
3		NOT USED																		
4	LOT	PALLET RACK SYSTEM																		
5	1	WALK-IN COOLER/FREEZER					1"													
6	LOT	PAN RACK CART																		
7	LOT	SEISMIC SHELVING																		
8	1	COOLER BLOWER COIL					1"													
9	1	FREEZER BLOWER COIL					1"													
10		NOT USED																		
11		NOT USED																		
12		NOT USED																		
13	1	PREP TABLE WITH SINK	1/2"	1/2"	18"	10	1-1/2"													
14	2	HAND SINK/SIDE SPLASH/S&T	1/2"	1/2"	18"	5		1-1/2"	21"											
15	1	3-COMP WASH SINK	1/2"	1/2"	15"	45		2"	12"											
16	1	WALL SHELF W/ UTENSIL RACK																		
17	LOT	TRASH CONTAINER																		
18	LOT	MOBILE SHELVING																		
19		NOT USED																		
20		NOT USED																		
21		NOT USED																		
22	1	DOUGH DIVIDER / ROUNDER																		
23	2	280 QUART MIXER																		
24	2	MOBILE WOOD TOP WORK TABLE																		
25	2	MOBILE WORK TABLE																		
26	1	DOUGH DIVIDER W/ HOPPER																		
27	1	ROUNDER																		
28	1	MOULDER																		
29	1	PROOFER W/ UV LIGHT																		
19		NOT USED																		
20		NOT USED																		
21		NOT USED																		
21		NOT USED																		
34	1	ROLL-IN PROOFER	1/2"		85°		1"													
35	2	ROLL-IN RACK OVEN/HOOD (TYPE-I)	1/2"		94"		1"			1"	180	102"								
36	8	SINGLE RACK CART																		
37		NOT USED																		
38		NOT USED																		
39		NOT USED																		
40	1	REMOTE REFRIGERATION SYSTEM																		

ABBREVIATIONS:

CW	COLD WATER	MBH	BRITISH THRMAL UNIT x 1000	HT	HEIGHT
HW	HOT WATER	SUP	SUPPLY	SD	STUB DOWN FROM UTILITY WALL
GPH	GALLONS PER HOUR (HOT WATER)	RET	RETURN	FA	FROM ABOVE
IND	INDIRECT WASTE (AIR GAP)	GPM	GALLONS PER MINUTE	STUB	UTILITY UP FROM FLOOR
DIR	DIRECT WASTE	BHP	BOILER HORSE POWER		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING

REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN INFORMATION

01 Foodservice Plumbing Rough In Plan
SCALE 1/4" = 1'-0"

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

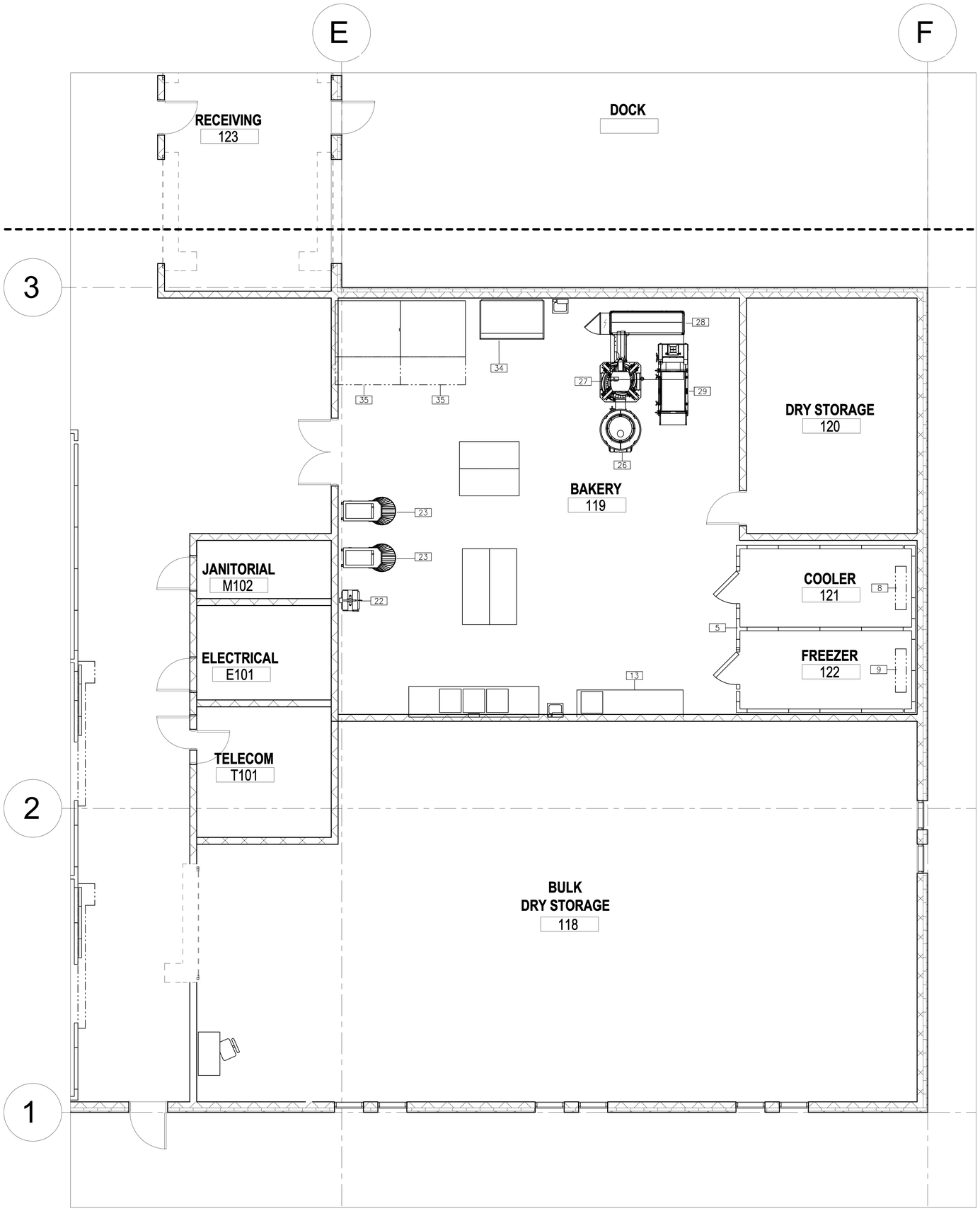
DESIGN DEVELOPMENT

drawing title
FOODSERVICE
PLUMBING ROUGH IN PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.12



NOTES:

ELECTRICAL CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. ROUGH-IN AND FINAL CONNECTION TO ALL FOODSERVICE EQUIPMENT AS INDICATED ON DRAWINGS AND IN ELECTRICAL ROUGH-IN SCHEDULE.

C. ALL JUNCTION-BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES NOT BUILT INTO FIXTURES OR EQUIPMENT.

D. DISHROOMS TO HAVE VAPOR PROOF COMPONENTS.

E. SHUNT TRIP CIRCUIT BREAKERS FOR ALL FOODSERVICE EQUIPMENT BELOW EXHAUST HOODS.

F. BEVERAGE LINE CONDUITS (SEE BUILDING CONDITIONS PLAN).

F. REFRIGERATION LINE CONDUITS (SEE BUILDING CONDITIONS PLAN).
G.

H. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

INTERCONNECTION BETWEEN:

A. ALL COLD STORAGE ROOM COMPONENTS AS INDICATED ON DRAWINGS.

B. DEMAND CONTROL KITCHEN VENTILATION PANEL (DCKV) AS INDICATED AND APPROVED SHOP DRAWINGS.

C. HOOD MOUNTED TEMPERATURE MONITOR AND EXHAUST SYSTEM CONTROLS FOR AUTOMATIC FAN START.

D. FOODSERVICE EQUIPMENT WITH SWITCH ACTIVATION.

E. FIRE PROTECTION SYSTEM AND BUILDING LIFE SAFETY.

ELECTRICAL ROUGH-IN

ITEM	QTY	DESCRIPTION	CONNECTED LOAD							CONNECTION TYPE		
			120/1	120/208/1	120/208/3	208/1	208/3	480/3	HT	C&P	RECP	HW
1	LOT	SEISMIC SHELVING										
2	1	INVENTORY DESK/CHAIR										
3		NOT USED										
4	LOT	PALLET RACK SYSTEM										
5	1	WALK-IN COOLER/FREEZER	20A CKT						FA			*
6	LOT	PAN RACK CART										
7	LOT	SEISMIC SHELVING										
8	1	COOLER BLOWER COIL	20A CKT						FA			*
9	1	FREEZER BLOWER COIL				18.7 AMP			FA			*
10		NOT USED										
11		NOT USED										
12		NOT USED										
13	1	PREP TABLE WITH SINK	4 AMP						48"		*	
14	2	HAND SINK/SIDE SPLASH/S&T										
15	1	3-COMP WASH SINK										
16	1	WALL SHELF W/ UTENSIL RACK										
17	LOT	TRASH CONTAINER										
18	LOT	MOBILE SHELVING										
19		NOT USED										
20		NOT USED										
21		NOT USED										
22	1	DOUGH DIVIDER / ROUNDER	8 AMPS						24"	*	*	
23	2	280 QUART MIXER					32 AMP		24"	*	*	
24	2	MOBILE WOOD TOP WORK TABLE										
25	2	MOBILE WORK TABLE										
26	1	DOUGH DIVIDER W/ HOPPER										
27	1	ROUNDER										
28	1	MOULDER										
29	1	PROOFER W/ UV LIGHT										
19		NOT USED										
20		NOT USED										
21		NOT USED										
21		NOT USED										
34	1	ROLL-IN PROOFER					21 AMP		85"			*
35	2	ROLL-IN RACK OVEN/HOOD (TYPE-I)	15 AMP				5 AMP		120"			*
36	8	SINGLE RACK CART										
37		NOT USED										
38		NOT USED										
39		NOT USED										
40	1	REMOTE REFRIGERATION SYSTEM						42 AMP	FA			*

ABBREVIATIONS:

C&P	CORD AND PLUG	STUB	UTILITY UP FROM FLOOR
RECP	RECEPTACLE		
HW	HARDWIRE		
HT	HEIGHT		
FA	FROM ABOVE		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION SHOWN ON DRAWING

CONNECTION TYPES PROVIDED BY ELECTRICAL DIVISION

01 Foodservice Electrical Rough In Plan
SCALE 1/4" = 1'-0"

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STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE
ELECTRICAL ROUGH IN
PLAN

job number
25015

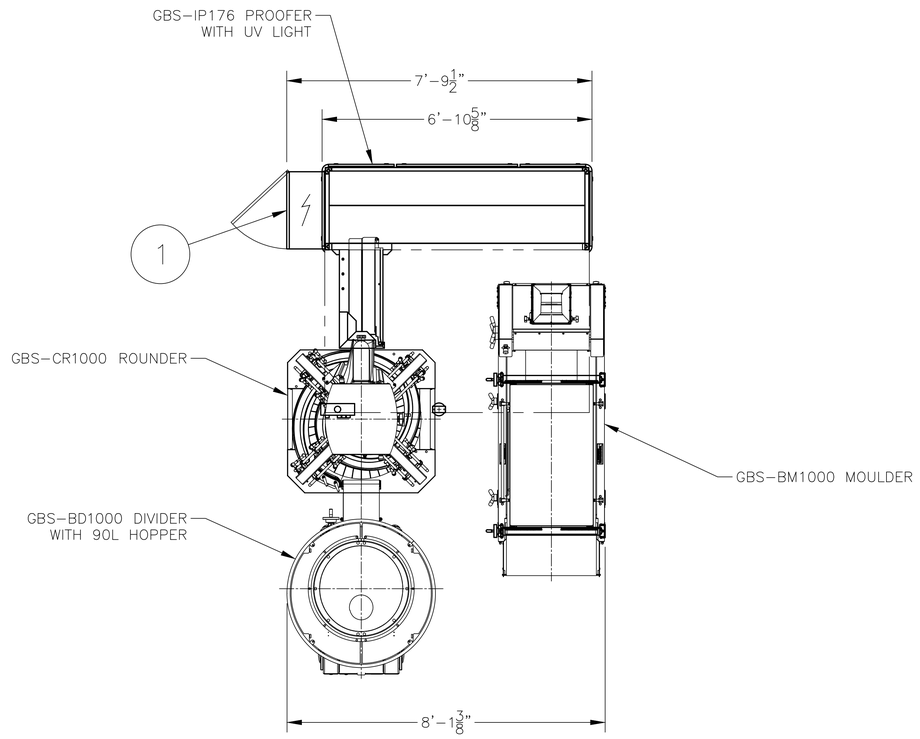
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OCTOBER 27, 2026

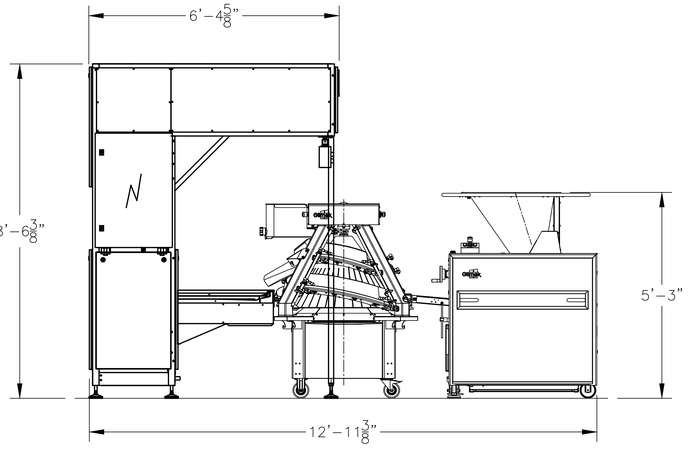
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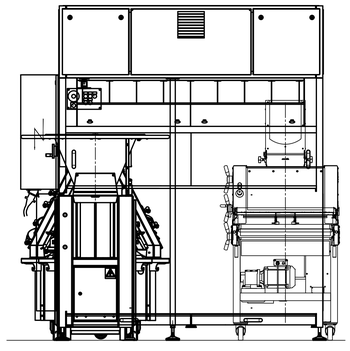
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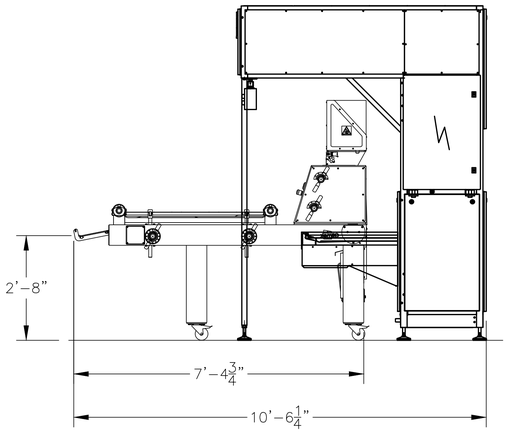
NOTES:

N1. ALTERNATE 3-PHASE ELECTRICAL REQUIREMENT:
480V, 3PH, 60Hz, 20 AMPS









UTILITY CHART	
NO.	DESCRIPTION
1.	ELECTRICAL REQUIREMENT: 208V, 3PH, 60Hz, 25 AMP SEE NOTE 1 FOR ALTERNATES
2.	
3.	

CONCEPTUAL DRAWING FOR SALES PURPOSES ONLY

REVISIONS			
REV	DATE	DESCRIPTION	NAME
A	4/17/26	MODEL NUMBERS	MSS
B	10/9/26	UTLITIES	PMM
C			
D			
E			
F			
G			

GEMINI BAKERY SOLUTIONS SINCE 1972

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9990 GANTRY ROAD, PHILADELPHIA PA 19115, USA
phone (215) 673-3520 fax (215) 673-3944

TITLE: EQUIPMENT LAYOUT
GBS-1000 BREAD LINE WITH PROOFER
AND GBS-BM1000 MOULDER

BY	DATE	SCALE	SIZE	SHEET	DWG NO	REV
MSS	12/16/25	3/4" = 1'-0"	E	1 of 1	SGEM2529	B

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CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE
MANUFACTURER DRAWINGS
ITEMS 26-29 BREAD SYSTEM

job number
25015

date
OCTOBER 27, 2026

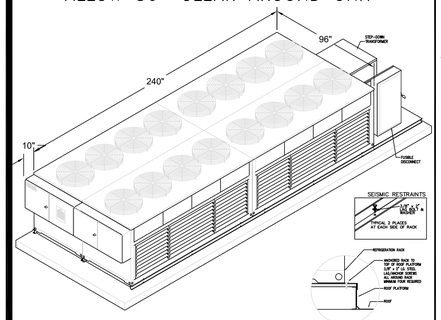
drawing number
FS.14

DRAWING NUMBER: SGEM2529

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REFRIG-O-PAK SYSTEM

ALLOW 36" CLEAR AROUND UNIT



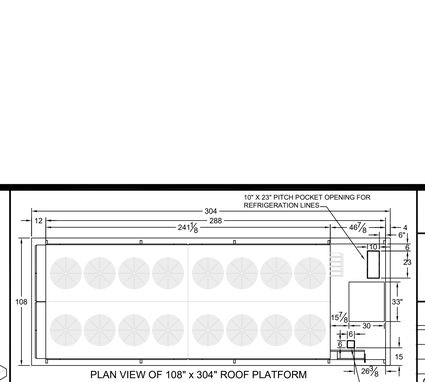
BLOW-UP DETAIL

ROOF MOUNT

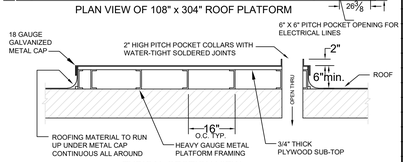
ESTIMATED WEIGHT (LBS.) 7100#

"REFRIG-O-PAK" SYSTEM
MODEL #CRS-20(2)

A / R-1



PLAN VIEW OF 108" x 304" ROOF PLATFORM



TYPICAL SECTION VIEW

GENERAL CONTRACTOR

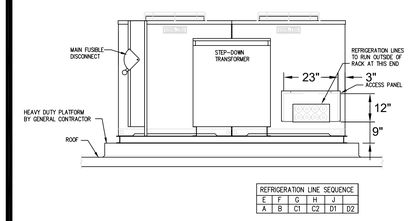
1. GENERAL CONTRACTOR TO PROVIDE LEVEL PLATFORM AT CODE HEIGHT.
2. PROVIDE TWO PITCH POCKETS IN THE PLATFORM AS LOCATED.
3. PROVIDE SHEET METAL CAP WITH 2" PITCH POCKET COLLAR AND WITH WATER TIGHT SOLDERED JOINTS.

REFRIGERATION CONTRACTOR

1. BACK FILL PITCH POCKET OPENING WITH EXPANDED FOAM AND ROOF SEALANT AFTER COMPLETION OF ELECTRICAL AND REFRIGERATION PIPING.

B / R-1

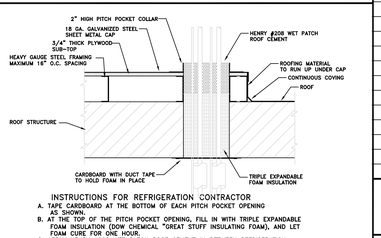
PLATFORM DETAIL



REFRIGERATION LINE SEQUENCE					
E	F	G	H	J	
A	B	C1	C2	D1	D2

C / R-1

REFRIGERATION PIPING CONNECTION SEQUENCE

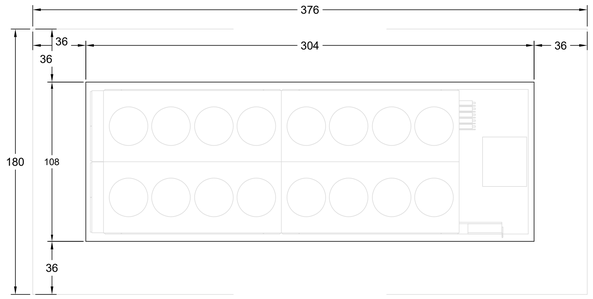


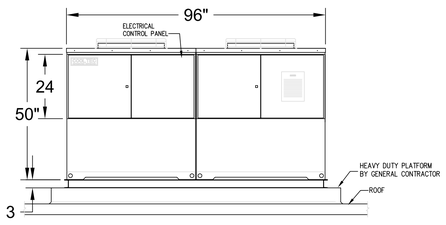
INSTRUCTIONS FOR REFRIGERATION CONTRACTOR

A. TAPE CARDBOARD AT THE BOTTOM OF EACH PITCH POCKET OPENING AS SHOWN.
B. AT THE TOP OF THE PITCH POCKET OPENING, FILL IN WITH TRIPLE EXPANDABLE FOAM INSULATION (DOW CHEMICAL "GREAT STUFF INSULATING FOAM), AND LET FOAM CURE FOR ONE HOUR.
C. APPLY HENRY #208 WET PATCH ROOF CEMENT IN BETWEEN REFRIGERATION PIPING, ELECTRICAL LINES, AND FOAM. LET CURE FOR FOUR HOURS. THIS SHOULD SEAL ALL PIPING AND LINES IN THE PITCH POCKET, TO PREVENT RAIN WATER FROM PENETRATING THROUGH.

D / R-1

RAIN TIGHT PITCH POCKET





E / R-1

RACK DETAILS AND CLEARANCE REQUIRED AROUND PLATFORM

COOLTEC ENGINEERING SUMMARY

AMBIENT TEMPERATURE 95°F

POWER SUPPLY: 480V/3PH/60HZ **FUSE SIZE:** 200 AMP

CONNECTED LOAD= 155.8 AMP **MINIMUM AMPACITY=** 161.5 AMP

SYSTEM	ITEM #	FIXTURES: DESCRIPTION	FIXTURES: TEMP (F) FIXT.	FIXTURES: TEMP (F) SST.	REFRIGERANT R–	REFRIGERANT LBS IN SYSTEM	COMPRESSORS: MODEL	H.P.	RATING @ 60 Hz: RLA	RATING @ 60 Hz: V	RATING @ 60 Hz: PH	MBH. (95°F)	DEFROST	UNIT COOLER: ITEM #	UNIT COOLER: QUANTITY	UNIT COOLER: MODEL	UNIT COOLER: RATING @ 60 Hz 1 ø FAN: RLA	UNIT COOLER: RATING @ 60 Hz 1 ø FAN: V	UNIT COOLER: RATING @ 60 Hz HEATER: FLA	UNIT COOLER: RATING @ 60 Hz HEATER: V	UNIT COOLER: RATING @ 60 Hz HEATER: PH	SYSTEM TOTAL POWER 208V, 60 Hz: AMPS	SYSTEM TOTAL POWER 208V, 60 Hz: PH	100' LINE SIZE (O.D.) AND RUN: ROUTE	SUCTION	LIQUID	LINE RUN LENGTH (FEET)	DISCH.	DRAIN	ACCESSORIES (SEE SUPPLY CODE *): HEAD PRESSURE CONTROL	CRANK CASE HEATER	FAN CYCLE CONTROL	SUCTION ACCUMULATOR	THERMOSTAT	SOLENOID VALVE	THERMOSTATIC EXPANSION VALVE	TIME CLOCK
		CONDENSER FAN MOTORS 16						3/4	5.1	208	1											81.6	1														
A	5	WALK–IN COOLER	35	25	448A	16	ZS11KAE–TF5	1.3	9.3	208	3	13.6	D	8	1	BEL0105AS6AMA	1.8	115				9.3	3	S	7/8	3/8	100			F	F			F	F	F	KE2–OEM
B	5	WALK–IN FREEZER	–10	–20	448A	16	ZF11K4E–TF5	3.5	10.9	208	3	12.2	D	9	1	BEL0130BS6EEA	1.5	208	13.7	208	1	10.9	3	S	1⅛	3/8	100			F	F		F	F	F	F	KE2–OEM
C1	41	BULK FREEZER	–10	–20	448A	16	ZF49K5E–TFC	15.0	45.5	208	3	52.0										45.5	3	M	1⅝	1/2	100			F	F		F				KE2–OEM
		EVAP. COIL #1											D	43.1	1	BEM0135BS6EEA	1.7	208	11.9	208	1			B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #2											D	43.2	1	BEM0135BS6EEA	1.7	208	11.9	208	1			B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #3											D	43.3	1	BEM0135BS6EEA	1.7	208	11.9	208	1			B	7/8	3/8								F	F	F	KE2–OEM
C2	41	BULK FREEZER	–10	–20	448A	16	ZF49K5E–TFC	15.0	45.5	208	3	52.0										45.5	3	M	1⅝	1/2	100			F	F		F				KE2–OEM
		EVAP. COIL #1											D	43.4	1	BEM0135BS6EEA	1.7	208	11.9	208	1			B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #2											D	43.5	1	BEM0135BS6EEA	1.7	208	11.9	208	1			B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #3											D	43.6	1	BEM0135BS6EEA	1.7	208	11.9	208	1			B	7/8	3/8								F	F	F	KE2–OEM
D1	41	BULK COOLER	35	25	448A	16	ZB45KCE–TF5	6.0	20.2	208	3	58.6										20.2	3	M	1⅜	5/8	100			F	F						KE2–OEM
		EVAP. COIL #1											D	44.1	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #2											D	44.2	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #3											D	44.3	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
D2	41	BULK COOLER	35	25	448A	16	ZB45KCE–TF5	6.0	20.2	208	3	58.6										20.2	3	M	1⅜	5/8	100			F	F						KE2–OEM
		EVAP. COIL #1											D	44.4	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #2											D	44.5	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #3											D	44.6	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
E	45	WALK–IN FREEZER	–10	–20	448A	16	ZF34K5E–TFC	10.0	33.3	208	3	34.8										33.3	3	M	1⅜	1/2	100			F	F		F				KE2–OEM
		EVAP. COIL #1											D	47	1	BEM0135BS6EEA	1.7	208	11.9	208	1			B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #2											D	47	1	BEM0135BS6EEA	1.7	208	11.9	208	1			B	7/8	3/8								F	F	F	KE2–OEM
F	45	WALK–IN COOLER	35	25	448A	16	ZS29KAE–TF5	3.5	18.4	208	3	39.1										18.4	3	M	1⅜	1/2	100			F	F						KE2–OEM
		EVAP. COIL #1											D	48	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #2											D	48	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
G	45	WALK–IN COOLER	35	25	448A	16	ZS29KAE–TF5	3.5	18.4	208	3	39.1										18.4	3	M	1⅜	1/2	100			F	F						KE2–OEM
		EVAP. COIL #1											D	49	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #2											D	49	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
H	45	WALK–IN COOLER	35	25	448A	16	ZS29KAE–TF5	3.5	18.4	208	3	39.1										18.4	3	M	1⅜	1/2	100			F	F						KE2–OEM
		EVAP. COIL #1											D	50	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #2											D	50	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
J	45	DELIVERY COOLER	35	25	448A	16	ZS29KAE–TF5	3.5	18.4	208	3	39.1										18.4	3	M	1⅜	1/2	100			F	F						KE2–OEM
		EVAP. COIL #1											D	51	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM
		EVAP. COIL #2											D	51	1	BEM0185AS8AMA	3.5	115						B	7/8	3/8								F	F	F	KE2–OEM

STEP-DOWN TRANSFORMER
480-3-60 DOWN TO 208-3-60
150 KVA

MODEL No. CRS-20(2)

c UL us LISTED
CONDENSING UNIT
33SZ FILE SA32027

D DEMAND DEFROST (KE2)
E ELECTRIC DEFROST (TIMED, DTSXB240)
G GRAVITY (TIMED, MIL72A)
H HOT GAS (TIMED)
O OFF CYCLE (TEMP.)

B BRANCH
M MAIN
S SINGLE

* SUPPLY CODES:
F – FACTORY INSTALLED
L – LOOSE (FIELD INSTALLED)
M – MANUFACTURER EQUIPPED
R – REFRIGERATION CONTRACTOR

NOTE:
- ALL SYSTEMS ENGINEERED WITH R–448A REFRIGERANT. ANY BASES/COILS NOT SUPPLIED BY COOLTEC MUST BE EQUIPPED WITH R–448A EXPANSION VALVES.
- REFRIGERATION PIPE SIZES ARE BASED ON A MAXIMUM LINE RUN UP TO 100 EQUIVALENT FEET FOR LIQUID AND SUCTION LINES. VERIFY LINE LENGTHS WITH JOB SITE CONDITIONS AND LINE ROUTING AT INDIVIDUAL INSTALLATIONS. IF LINE RUNS ARE GREATER THAN 100 FEET, PLEASE CONTACT COOLTEC FACTORY.
- "COMPRESSOR MOTOR PROTECTED UNDER PRIMARY SINGLE PHASE PROTECTION"
- EFFECTIVE JANUARY 1, 2009, ALL WALK–IN COOLER AND FREEZER EVAPORATIVE COILS INSTALLED IN THE U.S.A. SHALL BE SUPPLIED WITH ENERGY EFFICIENT (EC) MOTORS BASED ON THE FEDERAL ENERGY INDEPENDENCE AND SECURITY ACT (HR–6).
- ELECTRO–FIN COATED CONDENSERS APPLIED AGAINST SALT AIR CONTAMINATION AND TO MINIMIZE RUST CORROSION.
- ELECTRICAL CONTRACTOR TO SUPPLY POWER FROM BUILDING AND CONNECT POWER TO WALK–IN EVAPORATIVE BLOWER COIL'S DEMAND DEFROST CONTROL.

SPECIFICATION

ITEM NO. 40 REMOTE REFRIGERATION PACKAGE

THE REFRIGERATION PACKAGE SHALL BE PRE–ENGINEERED AND FACTORY ASSEMBLED UNIT, TRADE NAME "REFRIG–O–PAK", AS MANUFACTURED BY COOLTEC REFRIGERATION CORP., 1250 E. FRANKLIN AVE., POMONA, CA 91766. PHONE: (909) 865–2229, FAX: (909) 868–0777.
E–MAIL ADDRESS: sales@cooltecrefrigeration.com

CONTRACTOR SHALL FURNISH AND INSTALL, WHERE SHOWN ON PLANS, (1) COOLTEC U.L. APPROVED "REFRIG–O–PAK" AIR COOLED REMOTE REFRIGERATION PACKAGE, MODEL CRS-20(2) , WITH CONTROL PANEL, 480 VOLTS, 3 PHASE, 60 HERTZ. REFRIGERATION SYSTEM SHALL BE HOUSED IN A WEATHER PROTECTED ENCLOSURE. THE FRAME, ENCLOSURE, AND PANELS SHALL BE FABRICATED OF GALVANIZED STEEL. THE ENTIRE FRAME SHALL BE PRE–ASSEMBLED, WELDED, CLEANED, AND PRIMED AND POWDER COATED EPOXY ENAMEL AND BAKED. CONDENSER FAN MOTORS SHALL BE MOUNTED ON THE TOP OF THE ENCLOSURE FOR BETTER HEAT DISCHARGE.

1. REFRIGERATION UNITS
   A. AIR–COOLED CONDENSING UNITS SHALL BE HERMATIC/GLACIER SCROLL TYPE (COPELAND). EACH UNIT SHALL BE EQUIPPED WITH HIGH–LOW PRESSURE CONTROL, LIQUID LINE DRIER, SIGHT GLASS, HEAD PRESSURE CONTROL, TIME CLOCKS AND PUMP DOWN SOLENOIDS.
   B. ALL COMPRESSOR UNITS SHALL BE NEW FACTORY ASSEMBLED TO OPERATE WITH THE REFRIGERANT SPECIFIED IN THE ENGINEERING SUMMARY SHEET. REFRIGERANT R–448A SHALL BE USED ON ALL COMMERCIAL TEMPERATURE UNITS AND LOW TEMPERATURE UNITS.
   C. THE CONDENSER SHALL BE SECTIONAL, REMOVABLE, WITH RIFLED TUBE SLOTTED FINNED, AND SHALL BE DESIGNED FOR 20°TD. THE CONDENSER SHALL BE ELECTRO–FIN COATED AGAINST SALT AIR CONTAMINATION AND CORROSION.
2. PRE–PIPING
   A. ALL REFRIGERANT LINES SHALL BE EXTENDED TO ONE SIDE OF THE PACKAGE IN A NEAT AND ORDERLY MANNER. SUCTION LINES MUST BE INSULATED WITH ARMAFLEX (1" THICK FOR LOW TEMP, 3/4" THICK FOR MEDIUM TEMP).
   B. ALL TUBING SHALL BE SECURELY SUPPORTED AND ANCHORED WITH CLAMPS.
   C. SILVER SOLDER AND/OR SIL–FOS SHALL BE USED FOR ALL REFRIGERANT PIPING. SOFT SOLDER IS NOT ACCEPTABLE.
   D. ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 200 PSI. AFTER THE CONDENSING UNIT AND COIL HAVE BEEN CONNECTED, THE BALANCE OF THE SYSTEM SHALL BE LEAKED TESTED WITH ALL VALVES OPENED.
3. CONTROL PANEL
   A. THE PACKAGE SHALL HAVE A FACTORY MOUNTED AND PRE–WIRED CONTROL PANEL COMPLETE WITH MAIN FUSED DISCONNECT. COMPRESSOR CIRCUIT BREAKERS, FUSES, CONTACTORS AND THE TIME CLOCKS WIRED FOR SINGLE POINT CONNECTION.
   B. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL MAIN POWER LINES TO PANEL, ALL IN ACCORDANCE WITH THE WIRING DIAGRAM AND PER LOCAL CODES.
4. SAFETY CAUTION
   A. EACH SYSTEM AND EVAPORATOR IS SHIPPED UNDER NITROGEN PRESSURE. USE CAUTION AND EXERCISE SAFETY AT ALL TIMES WHEN PREPARING FOR FINAL HOOK–UP.
5. EVAPORATIVE COIL
   A. EVAPORATIVE COILS SHALL BE DIRECT EXPANSION TYPE, FABRICATED OF COPPER TUBES WITH ALUMINUM FINS. ALL EVAPORATIVE COILS SHALL BE PROVIDED WITH SOLENOID VALVE, THERMOSTATIC EXPANSION VALVE, AND ELECTRONIC THERMOSTAT, PIPED AND WIRED TO THE JUNCTION BOX FOR POSITIVE PUMP DOWN.
   B. EVAPORATIVE COILS SHALL BE EQUIPPED WITH ENERGY SAVING "EC" MOTORS.

CONSTRUCTION NOTES FOR TRADES

1. GENERAL CONTRACTOR
   A. CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND COORDINATE WITH OTHER TRADES.
   B. GENERAL CONTRACTOR TO VERIFY AND CO–ORDINATE LOCATION OF REFRIGERATION RACK WITH REFRIGERATION CONTRACTOR TO SATISFY LOCAL CODE REQUIREMENTS AND MAINTENANCE OF THE RACK.
   C. GENERAL CONTRACTOR TO VERIFY REFRIGERATION LINE RUNS THRU TO ROOF OR MULTI–STORY BUILDING PRIOR TO CONSTRUCTION WITH REFRIGERATION CONTRACTOR FOR ACCESSIBILITY.
   D. GENERAL CONTRACTOR TO VERIFY ACCESS OF CRANE OR MECHANICAL LIFT WITH REFRIGERATION CONTRACTOR PRIOR TO CONSTRUCTION (IF REQUIRED).
   E. GENERAL CONTRACTOR SHALL PREPARE AND WEATHER PROOF THE PLATFORM AND CURBED OPENINGS FOR REFRIGERATION PIPING AND ELECTRICAL CONDUIT. ROOF PAD TO BE CONSTRUCTED OF HEAVY DUTY STEEL FRAMING, AND THE FINISHED HEIGHT DICTATED PER LOCAL CODES.
   F. PROVIDE SHEET METAL CAP WITH 2" HIGH PITCH POCKET COLLAR AND WATER TIGHT SOLDERED JOINTS.
   G. GENERAL CONTRACTOR TO ALLOW 3'–0" (36") OF CLEAR SPACE AROUND ROOF PAD FOR MAINTENANCE.
   H. ALL CORE DRILLING REQUIRED FOR REMOTE REFRIGERATION PIPING WORK BY THE REFRIGERATION CONTRACTOR, IS IN THE GENERAL CONTRACTOR'S SCOOP OF WORK. COORDINATE EXACT LOCATION AND NUMBER OF PENETRATIONS WITH THE REFRIGERATION CONTRACTOR AND COMPLY WITH ALL LANDLORD REQUIREMENTS FOR X–RAY OF SLAB PRIOR TO WORK.
   I. ANY ATTACHMENT TO BUILDING STRUCTURE FOR LOAD BEARING WEIGHT TO BE PROVIDED AND CO–ORDINATED BY GENERAL CONTRACTOR.
   J. GENERAL CONTRACTOR TO BACKFILL ALL PITCH POCKETS TO TOP WITH TAR OR PITCH AFTER REFRIGERATION AND ELECTRICAL LINES HAVE BEEN RUN.
2. REFRIGERATION CONTRACTOR
   A. REFRIGERATION CONTRACTOR SHALL RUN ALL REFRIGERATION LINES WHICH EXTEND DOWN THRU WALL(S) BEFORE WALL(S) ARE CLOSED UP WHEN CONDUIT IS NOT PROVIDED.
   B. REFRIGERATION CONTRACTOR TO SEAL BOTH ENDS OF CONDUIT WITH FOMO'IL AFTER ALL LINES HAVE BEEN RUN. IF PULL BOX(ES) ARE SPECIFIED, THEY MUST BE A MINIMUM 12"x 12".
   C. REFRIGERATION CONTRACTOR SHALL INSULATE ALL REFRIGERATION SUCTION LINES.
   D. REFRIGERATION CONTRACTOR SHALL VERIFY LOCATION OF BLOWER COIL(S) AND COMPRESSOR(S) FOR ALL REFRIGERATED AREAS.
   E. REFRIGERATION CONTRACTOR SHALL VERIFY LOCATION OF PITCH POCKET(S) FOR REFRIGERATION LINE PENETRATION THRU ROOF WITH GENERAL CONTRACTOR. GENERAL CONTRACTOR TO INSTALL ALL PITCH POCKETS.
   F. CONTRACTOR SHALL USE ONLY CLEAN DEHYDRATED, SEALED REFRIGERATION GRADE A.C.R. COPPER TUBING. USE ONLY LONG RADIUS ELBOWS TO REDUCE FLOW RESISTANCE AND LINE BREAKAGE.
   G. SILVER SOLDER AND/OR SIL–FOS SHALL BE USED ON ALL REFRIGERANT PIPING. SOFT SOLDER IS NOT ACCEPTABLE. USE MINIMUM 35% SILVER SOLDER FOR DISSIMILAR METALS.
   H. ALL PIPING MUST BE SUPPORTED WITH HANGERS THAT CAN WITHSTAND THE COMBINED WEIGHT OF TUBING, INSULATION, VALVES, AND FLUID IN THE TUBING.
   I. USE NITROGEN IN THE COPPER TUBING DURING BRAZING TO PREVENT FORMATION OF COPPER OXIDES. LIQUID AND SUCTION LINES MUST BE FREE TO EXPAND INDEPENDENTLY OF EACH OTHER. DO NOT EXCEED 100 FEET WITHOUT A CHANGE IN DIRECTION OR AN OFFSET. PLAN PROPER PITCHING, EXPANSION ALLOWANCE, AND P–TRAPS AT THE BASE OF ALL SUCTION RISERS AND AT EVERY 15 FEET OF EVERY VERTICAL RISE. INSTALL SERVICE VALVES AT SEVERAL LOCATIONS FOR EASE OF MAINTENANCE. THESE VALVES MUST BE APPROVED FOR 450 PSI WORKING PRESSURE.
   J. ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 200 PSI WITH ALL VALVES OPEN AND HELD FOR 12 HOURS. ELECTRONIC LEAK DETECTORS SHALL BE USED TO LOCATE ALL LEAKS.
   K. COMPLETE SYSTEM SHALL BE EVACUATED TO 500 MICRONS WITH VACUUM PUMP BEFORE CHARGING THE SYSTEM.
   L. ONCE SYSTEM IS CHARGED AND RUNNING, ADJUST ALL CONTROLS _____ INCLUDING PRESSURE CONTROLS, EXPANSION VALVES, THERMOSTATS, AND TIME CLOCKS. RETURN AFTER 24 HOURS TO VERIFY PROPER OPERATION OF SYSTEMS.
   M. REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL DRAIN LINE HEATER WITH INSULATION IN FREEZER TO BE CONNECTED BY ELECTRICAL CONTRACTOR.
   N. REFRIGERANT SUCTION LINES OUTSIDE OF REFRIGERATED COMPARTMENTS, NOT RUN IN CONDUIT, SHALL BE INSULATED BACK TO COMPRESSOR WITH ARMSTRONG ARMA–FLEX AP–25/50 FOAMED PLASTIC INSULATION OR EQUAL IN ACCORD WITH DIRECTION OF THE MANUFACTURER. MINIMUM THICKNESS SHALL BE 3/4 INCH FOR COMMERCIAL TEMPERATURE AND 1.0 INCH FOR LOW TEMPERATURE.
   O. FILL ROOF REFRIGERATION AND ELECTRICAL PITCH POCKETS WITH FOAM AND SEALANT.
   P. REFRIGERATION CONTRACTOR TO SEAL ALL REFRIGERATION LINE PENETRATIONS MADE THRU WALK–IN COOLERS/FREEZERS, AND REFRIGERATED BASE SECTIONS OF COUNTERS.
3. ELECTRICAL CONTRACTOR
   A. ELECTRICAL CONTRACTOR TO PROVIDE MAIN POWER FOR THE REFRIGERATION PACKAGE AND CONNECT CONTROL AND DEFROST SYSTEMS AT THE COIL.
   B. ELECTRICAL CONTRACTOR TO PROVIDE POWER FOR MEDIUM AND LOW TEMPERATURE EVAPORATOR COILS. POWER FROM BUILDING. PROVIDE SEPARATE POWER SOURCE FOR EACH EVAPORATOR.
   C. ELECTRICAL CONTRACTOR TO CONNECT DRAIN–LINE HEATER IN THE FREEZER.
   D. ALL ELECTRICAL WIRING AND INSTALLATION SHALL BE ACCORDANCE WITH THE WIRING DIAGRAM AND PER LOCAL CODES.
   E. IF CONTRACTED, ELECTRICAL CONTRACTOR TO INSTALL ALL CONDUITS FOR REFRIGERATION LINES IN WALLS, PRIOR TO WALLS ARE CLOSED UP. ALL PULL BOXES MUST BE A MINIMUM OF 12"x 12".
4. PLUMBING CONTRACTOR
   A. PLUMBING CONTRACTOR TO PROVIDE TYPE "M" COPPER DRAIN LINES FOR WALK–IN REFRIGERATOR AND FREEZER, PITCHED 1/2 INCH PER FOOT OF RUN. IN FREEZER, HEATED DRAIN LINE MUST BE INSULATED TO PREVENT FREEZING. TRAP DRAIN LINES OUTSIDE OF REFRIGERATED SPACE TO AVOID ENTRANCE OF WARM AND MOIST AIR.
   B. CONTRACTOR TO PROVIDE INDIVIDUAL DRAIN LINE FOR EACH EVAPORATOR UNLESS OTHERWISE CALLED FOR IN THE PLANS.
   C. ALL PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES.

REV LEVEL	DESCRIPTION	DATE
1	REVISED TO 480V/3PH	09/29/26

DRAWING APPROVAL

"PRODUCTION LEAD TIME:
4–6 WEEKS AFTER RECEIPT OF APPROVED DRAWINGS AND PURCHASE ORDER.
SEND APPROVED DRAWING TO "KATHERINE SANCHEZ"

APPROVED BY:_____
DATE:_____

Revision Schedule		
#	Date	Description

REFRIGERATION PLAN

PROJECT NAME:
NNCC CULINARY & LAUNDRY BLDG.
CARSON CITY, NV

DRAWN BY: FM
CHECKED BY: PAUL BEDI
DATE: 09/17/2026
LATEST REVISION: 09/29/2026
DRAWING NO.: CTR4050
SHEET R-1
1 OF 3 SHEETS

COOLTEC
REFRIGERATION CORP.
1250 E. FRANKLIN AVENUE, POMONA, CA 91766
PHONE: (909) 865-2229 FAX: (909) 868-0777
E-MAIL: gshare@cooltecrefrigeration.com

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE
MFR DRAWINGS -
REFRIGERATION SYSTEM

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.15

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reno, nevada 89502
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info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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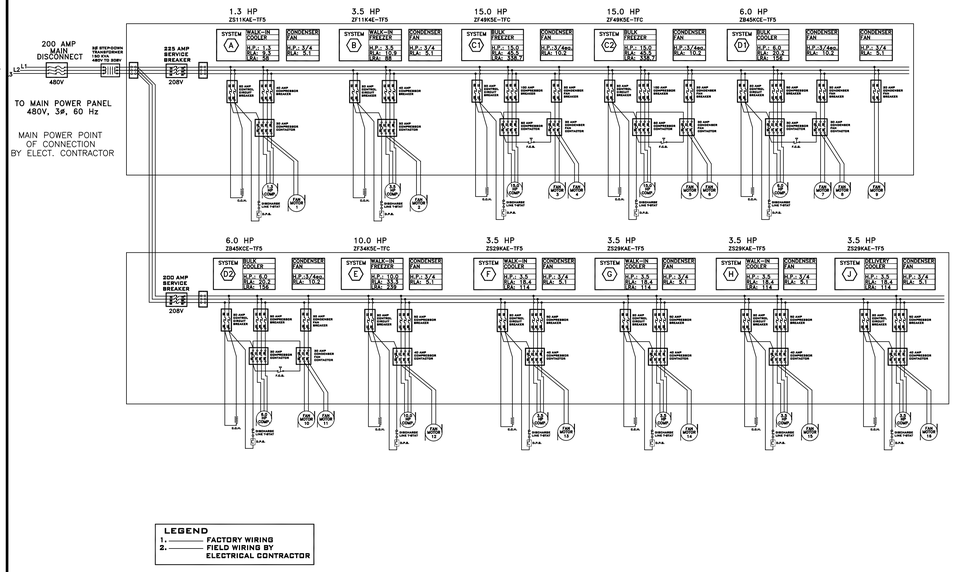
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2129 4th Street Santa Rosa, CA 95404
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POWER REQUIRED FOR WALK-IN EVAPORATOR COIL'S DEMAND CONTROL AND TO DRAIN HEATERS.
POWER FROM BUILDING: SUPPLIED BY ELECTRICAL CONTRACTOR

SYSTEM	DEFROST	UNIT COOLER ITEM #	DESCRIPTION	QUANTITY	MODEL	POWER FROM BUILDING BY ELEC. CONTRACTOR: EVAP. COIL RLA	EVAP. COIL VOLTAGE	DRAIN HEATER RLA	DRAIN HEATER VOLTAGE	TOTAL LOAD RLA	TOTAL LOAD VOLTAGE
A	D	5	WALK-IN COOLER	1	BEL0105AS6AMA	1.8	115/1	--	--	1.8	115/1
B	D	5	WALK-IN FREEZER	1	BEL0130BS6EEA	13.7	208/1	5.0	208/1	18.7	208/1
C1	D	41	BULK FREEZER	1	BEM0135BS6EEA	11.9	208/1	5.0	208/1	16.9	208/1
				1	BEM0135BS6EEA	11.9	208/1	5.0	208/1	16.9	208/1
				1	BEM0135BS6EEA	11.9	208/1	5.0	208/1	16.9	208/1
C2	D	41	BULK FREEZER	1	BEM0135BS6EEA	11.9	208/1	5.0	208/1	16.9	208/1
				1	BEM0135BS6EEA	11.9	208/1	5.0	208/1	16.9	208/1
				1	BEM0135BS6EEA	11.9	208/1	5.0	208/1	16.9	208/1
D1	D	41	BULK COOLER	1	BEM0185AS8AMA	3.5	115/1	--	--	3.5	115/1
				1	BEM0185AS8AMA	3.5	115/1	--	--	3.5	115/1
				1	BEM0185AS8AMA	3.5	115/1	--	--	3.5	115/1
D2	D	41	BULK COOLER	1	BEM0185AS8AMA	3.5	115/1	--	--	3.5	115/1
				1	BEM0185AS8AMA	3.5	115/1	--	--	3.5	115/1
				1	BEM0185AS8AMA	3.5	115/1	--	--	3.5	115/1
E	D	45	WALK-IN FREEZER	1	BEM0135BS6EEA	11.9	208/1	5.0	208/1	16.9	208/1
				1	BEM0135BS6EEA	11.9	208/1	5.0	208/1	16.9	208/1
F	D	45	WALK-IN COOLER	1	BEM0185AS8AMA	3.5	115/1	--	--	3.5	115/1
G	D	45	WALK-IN COOLER	1	BEM0185AS8AMA	3.5	115/1	--	--	3.5	115/1
H	D	45	WALK-IN COOLER	1	BEM0185AS8AMA	3.5	115/1	--	--	3.5	115/1
J	D	45	DELIVERY COOLER	1	BEM0185AS8AMA	3.5	115/1	--	--	3.5	115/1

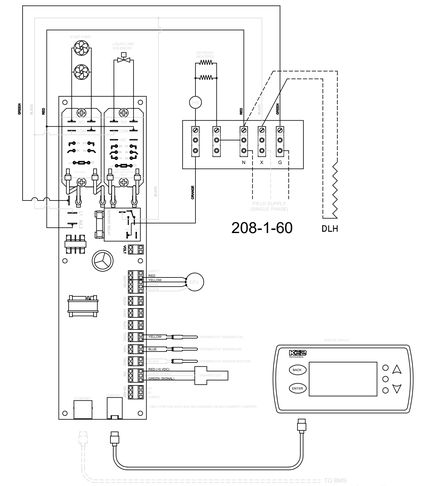
NOTE: PROVIDE SEPARATE POWER SOURCE FOR EACH EVAPORATOR. POWER FROM BUILDING.



A R-2 **WIRING DIAGRAM**

POWER REQUIRED FOR WALK-IN FREEZER EVAPORATOR COIL'S DEMAND DEFROST CONTROL AND TO DRAIN HEATER.
POWER FROM BUILDING: SUPPLIED BY ELECTRICAL CONTRACTOR

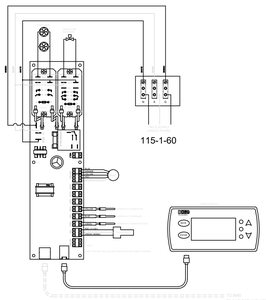
SYSTEM	DEFROST	UNIT COOLER ITEM #	DESCRIPTION	QUANTITY	MODEL	POWER FROM BUILDING: EVAP. COIL RLA	EVAP. COIL VOLTAGE	DRAIN HEATER RLA	DRAIN HEATER VOLTAGE
B	D	5	WALK-IN FREEZER	1	BEL0130BS6EEA	13.7	208/1	5.0	208/1
C1	D	41	BULK FREEZER	3	BEM0135BS6EEA	11.9ea.	208/1	5.0	208/1
C2	D	41	BULK FREEZER	3	BEM0135BS6EEA	11.9ea.	208/1	5.0	208/1
E	D	45	WALK-IN FREEZER	2	BEM0135BS6EEA	11.9ea.	208/1	5.0	208/1



B R-2 **DEMAND DEFROST- KE2 LOW TEMP WIRING DIAGRAM FOR FREEZER COIL**

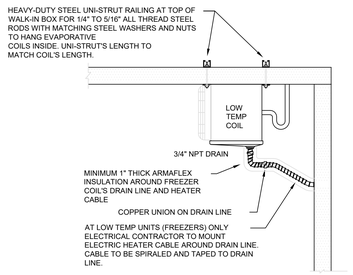
POWER REQUIRED FOR WALK-IN EVAPORATOR COIL'S DEMAND DEFROST CONTROL.
POWER FROM BUILDING: SUPPLIED BY ELECTRICAL CONTRACTOR

SYSTEM	DEFROST	UNIT COOLER ITEM #	DESCRIPTION	QUANTITY	MODEL	POWER FROM BUILDING: RLA	VOLTAGE
A	D	5	WALK-IN COOLER	1	BEL0105AS6AMA	1.8	115/1
D1	D	41	BULK COOLER	3	BEM0185AS8AMA	3.5ea.	115/1
D2	D	41	BULK COOLER	3	BEM0185AS8AMA	3.5ea.	115/1
F	D	45	WALK-IN COOLER	2	BEM0185AS8AMA	3.5ea.	115/1
G	D	45	WALK-IN COOLER	2	BEM0185AS8AMA	3.5ea.	115/1
H	D	45	WALK-IN COOLER	2	BEM0185AS8AMA	3.5ea.	115/1
J	D	45	DELIVERY COOLER	2	BEM0185AS8AMA	3.5ea.	115/1

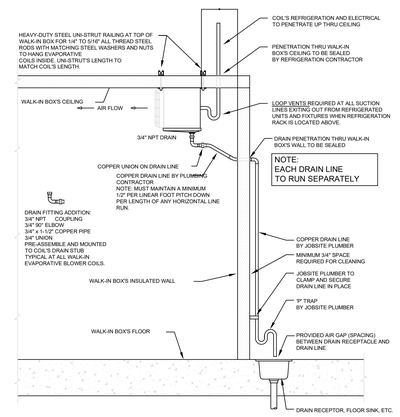


NOTE:
KE2 EVAP OEM
RATED 20A DEFROST

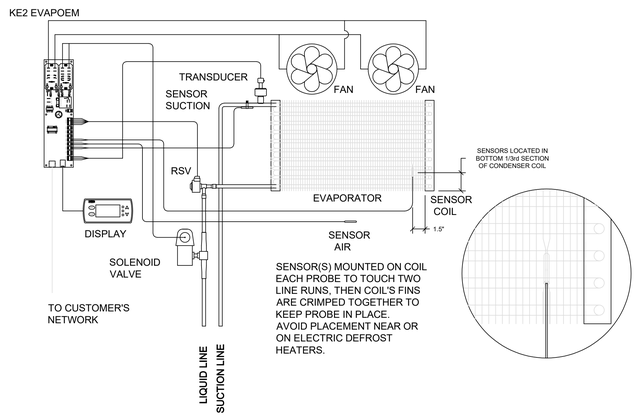
C R-2 **DEMAND DEFROST- KE2 MED. TEMP WIRING DIAGRAM FOR COOLER COIL**



D R-2 **WALK-IN'S FREEZER CONDENSATE DRAIN LINE**



E R-2 **WALK-IN'S COIL MOUNT AND CONDENSATE DRAIN LINE**



F R-2 **KE2 DEMAND DEFROST SENSOR LOCATIONS**

REV LEVEL	DESCRIPTION	DATE
A	REVISED TO 480V/3PH	09/29/26

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"PRODUCTION LEAD TIME:
4-6 WEEKS AFTER RECEIPT OF APPROVED DRAWINGS AND PURCHASE ORDER.
SEND APPROVED DRAWING TO KATHERINE SANCHEZ"

APPROVED BY:_____
DATE:_____

REFRIGERATION PLAN
PROJECT NAME:
NNCC CULINARY & LAUNDRY BLDG.
CARSON CITY, NV

DRAWN BY	
	FM
CHECKED BY	
	PAUL BEDI
DATE	LATEST REVISION
09/17/2026	09/29/2026
DRAWING NO.	CTR4050
SHEET	R-2
2 OF 3 SHEETS	

COOLTEC
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info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Foodservice & Laundry Consultants/Designers
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2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule		
#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

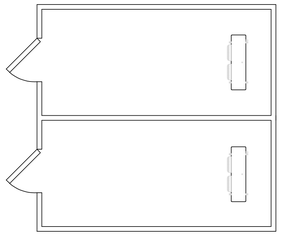
drawing title
FOODSERVICE MFR DRAWINGS - REFRIGERATION SYSTEM

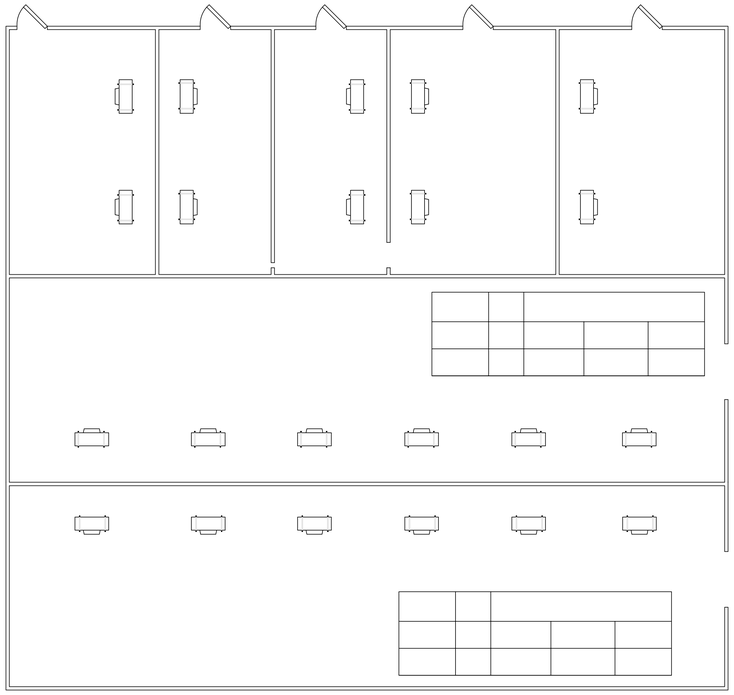
job number
25015

date
OCTOBER 27, 2026

drawing number
FS.16

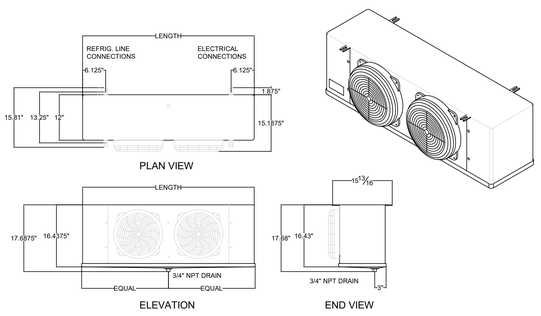
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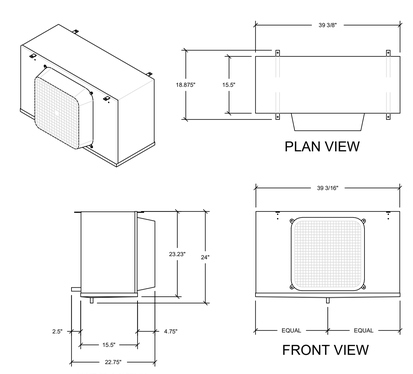


A R-3 PLAN VIEW FOR THE WALK-INS AND THEIR COILS

SYSTEM	UNIT MODEL No.	CAPACITY BTU	LENGTH	FANS				ELEC DEFROST	CONNECTIONS (In.)				APPROX. SHIP WT. (Lbs.)
				QTY.	CFM	EC MOTOR 115/1/60	EC MOTOR 208/1/60	208-1-60	COIL INLET OD	SUCTION ID	EQUALIZER OD	DRAIN MPT	
A	BEL0105AS6AMA	12500	45-1/2"	2	1305	1.8	--	--	1/2"	5/8"	1/4"	3/4"	52
B	BEL0130BS6EEA	13500	61-1/2"	3	2056	--	1.5	13.7	1/2"	7/8"	1/4"	3/4"	71
C1	BEM0135BS6EEA	17000	39-7/8"	1	2150	--	1.7	11.9	1/2"	7/8"	1/4"	3/4"	153
C2	BEM0135BS6EEA	17000	39-7/8"	1	2150	--	1.7	11.9	1/2"	7/8"	1/4"	3/4"	153
D1	BEM0185AS8AMA	18350	39-7/8"	1	1900	3.5	--	--	1/2"	7/8"	1/4"	3/4"	152
D2	BEM0185AS8AMA	18350	39-7/8"	1	1900	3.5	--	--	1/2"	7/8"	1/4"	3/4"	152
E	BEM0135BS6EEA	17000	39-7/8"	1	2150	--	1.7	11.9	1/2"	7/8"	1/4"	3/4"	153
F	BEM0185AS8AMA	18350	39-7/8"	1	1900	3.5	--	--	1/2"	7/8"	1/4"	3/4"	152
G	BEM0185AS8AMA	18350	39-7/8"	1	1900	3.5	--	--	1/2"	7/8"	1/4"	3/4"	152
H	BEM0185AS8AMA	18350	39-7/8"	1	1900	3.5	--	--	1/2"	7/8"	1/4"	3/4"	152
J	BEM0185AS8AMA	18350	39-7/8"	1	1900	3.5	--	--	1/2"	7/8"	1/4"	3/4"	152



BEL-LOW PROFILE COOLERS



BEM- MEDIUM PROFILE EVAPORATOR

B R-3 UNIT COOLER DETAIL

REV LEVEL	DESCRIPTION	DATE
A	REVISED TO 480V/3PH	09/29/26

DRAWING APPROVAL

"PRODUCTION LEAD TIME:
4-6 WEEKS AFTER RECEIPT
OF APPROVED DRAWINGS AND
PURCHASE ORDER.
SEND APPROVED DRAWING TO
"KATHERINE SANCHEZ"

APPROVED BY:_____

DATE:_____

COOLTEC
REFRIGERATION CORP.
1250 E. FRANKLIN AVENUE, POMONA, CA 91766
PHONE: (909) 865-2229 FAX: (909) 868-0777
E-MAIL: sales@cooltecrefrigeration.com

REFRIGERATION PLAN

PROJECT NAME:
NNCC
CULINARY &
LAUNDRY BLDG.
CARSON CITY, NV

DRAWN BY	FM
CHECKED BY	PAUL BEDI
DATE	09/17/2026
LATEST REVISION	09/29/2026
DRAWING NO.	CTR4050
SHEET	R-3
3 OF 3 SHEETS	

VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
p: 775.328.1010
f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule		
#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

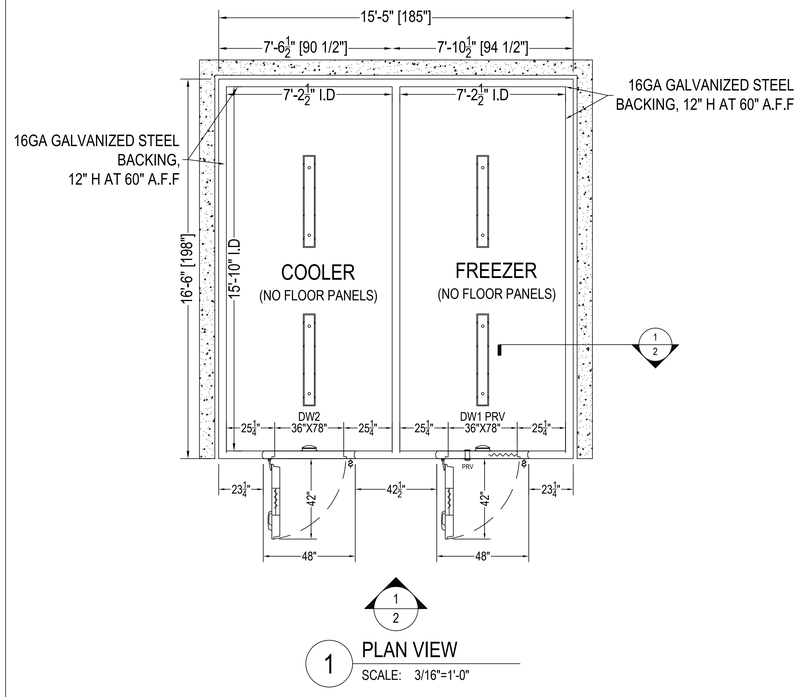
drawing title
FOODSERVICE
MFR DRAWINGS -
REFRIGERATION SYSTEM

job number
25015

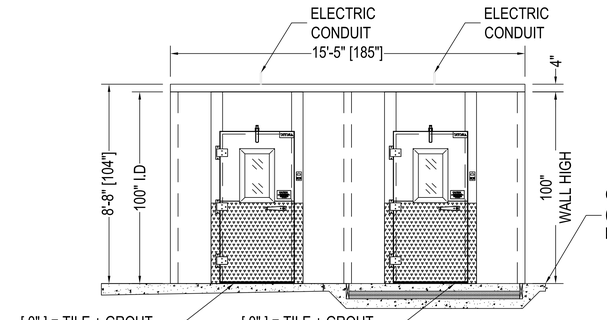
date
OCTOBER 27, 2026

drawing number
FS.17

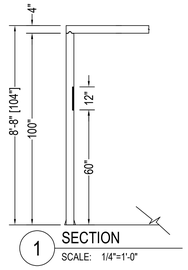
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1 PLAN VIEW
SCALE: 3/16"=1'-0"

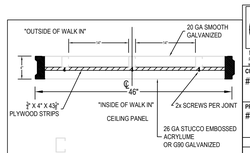


1 ELEVATION
SCALE: 3/16"=1'-0"



1 SECTION
SCALE: 1/4"=1'-0"

NOTE: WALK-IN SITS ON GRADE LEVEL.
IF TILING CONTACT YOU SALES REP



STRUCTURAL CHANNEL CEILING SUPPORT

CONFIDENTIAL

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Arctic WALK-IN COOLERS AND FREEZERS
MIAMI, FLORIDA PHONE: (305) 863-5581 LOS ANGELES, CALIFORNIA PHONE: (626) 569-0503
Intertek ETL SEMKO 4191171
Intertek ETL SEMKO 5167818
CSA

CUSTOMER NAME:
##########

PROJECT NAME:
##########

DRAWN BY:	CHECKED BY:	P.O. #:	DRAWING NO.
########	####	####	FS.18 WALK IN COOLER FREEZER
SCALE:	CREATED:	SHEET NO.	
As Shown	10/27/2026	LAYOUT1 OF #	

PANEL CONSTRUCTION: TYPE II, CLASS I URETHANE CORE / FOAMED IN PLACE / URETHANE HARDRAIL PERIMETER, R-VALUE R28 FOR COOLER AND R32 FOR FREEZER.

PANEL FINISHES

INSULATION - WALL - 4"
WALL INTERIOR: ALUMINUM - .040" - STUCCO EMBOSSED - WHITE
WALL EXTERIOR: ACRYLUME OR G90 GALVANIZED - 26 GA - STUCCO EMBOSSED
WALL EXPOSED: STAINLESS STEEL 304 - 22 GA - #4 FINISH

INSULATION – CEILING – 4" – C3 – 2.5" [20GA SMOOTH GALVANIZED REQUIRED ON EXTERIOR]
CEILING INTERIOR: ALUMINUM - .040" - STUCCO EMBOSSED - WHITE
CEILING EXTERIOR: GALVANIZED - 20 GA - SMOOTH

DOOR DESCRIPTION

FREEZER DOOR:
INTERIOR FINISH: ALUMINUM - .040" - STUCCO EMBOSSED - WHITE
EXTERIOR FINISH: STAINLESS STEEL 304 - 20 GA - #4 FINISH

COOLER DOOR:
INTERIOR FINISH: ALUMINUM - .040" - STUCCO EMBOSSED - WHITE
EXTERIOR FINISH: STAINLESS STEEL 304 - 20 GA - #4 FINISH

DOOR ACCESSORIES:

HINGE 1255 - CAM LIFT - BRUSHED CHROME (SPRING KIT ON TOP HINGE)
DOOR CLOSER 1094 – W/HOOK – BRUSHED CHROME
HANDLE 1229C - KEYLOCK - BRUSHED CHROME
ALUMINUM DIAMOND TREAD KICKPLATE – 42" HIGH – INT/EXT
VAPOR LIGHT - LED (1808NM) W/ 1802NLSAFETY NIGHT LIGHT
A/V ALARM MODULARM 75LC THERM/LIGHT SWITCH W/25' LEAD PROBE
ALARM, MODULARM, 75LC A/V, COMMUNICATOR, WIRELESS, SHIPPED LOOSE
A/V ALARM MODULARM 75LC: MAGNETIC DOOR CONTACTS [SHIPPED LOOSE]
ALARM, MODULARM, ACC A/V, IP-1 INSIDE PUSH BUTTON PANIC ALARM, INSTALLED
ALARM, MODULARM, 75LC A/V, WIRELESS MODULE, SHIPPED LOOSE
HEATED PRESSURE RELIEF PORT 1825 – 115V (DW1)
HEATER – DOOR FRAME (DW1)
THERMOSTAT – PEPI-B (DW1)
14" X 24" HEATED GLASS VISION PANEL, TRIPLE PANE
CONDUIT THROUGH TOP OF DOOR (PER DOOR)
THRESHOLD, DOORS, ALUMINUM
JAMB GUARDS, 42" HIGH, INT/EXT, ALUMINUM DIAMOND TREAD PLATE

WALK-IN ACCESSORIES

(4)- EA LIGHT, LED 4' FIXTURE, PRISON, TAMPER-RESISTANT [SHIPPED LOOSE]
(2)- EA PRISON KIT, TAMPER PROOF SCREWS & TOOL, STAINLESS STEEL
(80)- SQ.FT 16GA GALVANIZED STEEL BACKING, 12" STRIP AT 60" A.F.F.
SEISMIC ANCHORING PROVISIONS

NOTE: SEE LAST PAGE FOR DETAILS

MIL-I-24172A(SH) TYPE II, CLASS I URETHANE CORE

	*U.L. 723 - UL Solutions
FLAME SPREAD:	20
SMOKE DEVELOPED:	140 - 300
THICKNESS:	6 IN. Thick Max

ASTM D-1929-91:

Min. Self-Ignition Temp.:	490C° (914F°)
Min. Flash-Ignition Temp.:	390C° (734F°)

GENERAL NOTES

FLOOR MUST BE LEVEL WITHIN 3/16" PER 10', SMOOTH, AND CLEAR OF OBSTRUCTIONS PRIOR TO INSTALLING WALK-IN PANELS.

A 2" MINIMUM GAP ALL AROUND WALK-IN IS REQUIRED FOR PROPER AIR CIRCULATION. HIGH HUMIDITY ENVIRONMENTS MAY REQUIRE FORCED VENTILATION IN GAP TO PREVENT CONDENSATION.

FLOOR PANELS (WHEN PROVIDED) ARE DESIGNED TO WITHSTAND SPECIFIC LOADS DEPENDING ON THE TYPE OF FLOORING. EACH TYPE OF FLOORING HAS A DIFFERENT LOAD LIMIT, WHICH MUST BE RESPECTED. DAMAGE CAUSED BY FORKLIFTS, PALLET JACKS, CARTS, OR ANY TYPE OF ROLLING TRAFFIC IS NOT COVERED UNDER WARRANTY.

STANDARD PANELS HAVE A STUCCO-EMBOSSED FINISH (TEXTURE) THAT HELPS REDUCE IRREGULARITIES IN THE PANEL SURFACE. ON REQUEST WE WILL PROVIDE A NON-TEXTURED (SMOOTH FINISH). SMOOTH FINISH PANELS TYPICALLY EXPERIENCE WRINKLING AND OTHER FLATNESS IMPERFECTIONS SUCH AS OIL-CANNING WHICH IS NOT COVERED BY WARRANTY.

WALK-IN ROOF IS NOT DESIGNED FOR FOOT TRAFFIC OR STORAGE. SNOW/ICE LOADS (OUTDOOR BOXES): TO AVOID CEILING FAILURE/COLLAPSE DUE TO SNOW OR ICE (NOT COVERED BY PANEL WARRANTY), SNOW OR ICE ACCUMULATION OF MORE THAN 3" MUST BE CAREFULLY REMOVED IN A MANNER WHICH DOES NOT CAUSE DAMAGE OR TEAR THE MEMBRANE ROOF COVER.

FOR QUARRY TILE OR CONCRETE FLOORS, THE METAL FACING MAY BE SUSCEPTIBLE TO STAINING DUE TO MOISTURE CREATED BY HYDRATION OF CONCRETE-TYPE MATERIALS. METAL SURFACE MUST BE PROTECTED FROM LIME AND CONCRETE RELATED COMPONENTS. PROTECTION OF ONE OF THE FOLLOWING TYPES MUST BE APPLIED BETWEEN THE CONCRETE AND METAL SURFACES: LIQUID TAR BRUSHED OR SPRAYED ABOVE THE CONCRETE LINE, HEAVY EPOXY PAINT, 6 MIL POLYETHYLENE, OR A DOUBLE LAYER OF 30 LB ASPHALT IMPREGNATED ROOFING PAPER. EACH ROOM MUST BE PROPERLY VENTILATED AND SPECIAL PRECAUTIONS TAKEN WHEN USING MURIATIC ACID DUE TO ITS EFFECTS ON ALUMINUM, GALVANIZED STEEL, AND STAINLESS STEEL.

CHEMICAL USE AND STORAGE, INCLUDING CHEMICALS PRESENT IN FOOD AND OTHER PRODUCTS, MAY CAUSE METAL STAINING, CORROSION, OR COMPONENT FAILURE. CHEMICAL DAMAGE IS NOT COVERED BY WARRANTY.

☐ APPROVED AS DRAWN
☐ RESUBMIT
SIGNED _____
DATE: _____

REFRIGERATION BY OTHERS

Arctic WALK-IN COOLERS AND FREEZERS
MIAMI, FLORIDA PHONE: (305) 863-5581 LOS ANGELES, CALIFORNIA PHONE: (626) 569-0503
Intertek ETL SEMKO 4191171
Intertek ETL SEMKO 5167818
CSA

CUSTOMER NAME:
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PROJECT NAME:
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########	####	####	FS.18 WALK IN COOLER FREEZER
SCALE:	CREATED:	SHEET NO.	
As Shown	10/27/2026	LAYOUT1 OF #	

VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
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f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

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NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

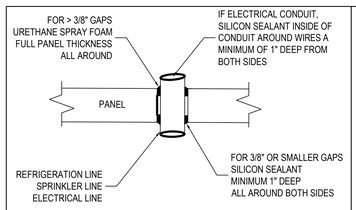
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FOODSERVICE
MFR DRAWINGS - WALK IN COOLER/FREEZER

job number
25015

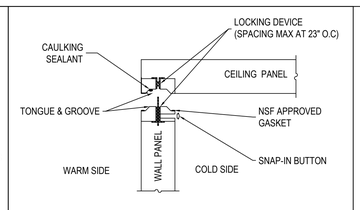
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drawing number
FS.18

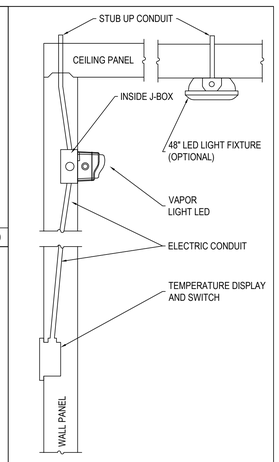
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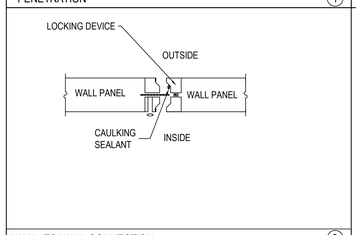
PENETRATION (1)



WALL PANEL TO CEILING CONNECTION (2)



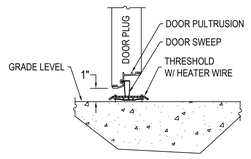
DOOR DETAIL STUB UP CONDUIT (5)



WALL TO WALL CONNECTION (3)

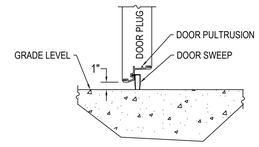
(4)

NOTE: WALK-IN SITS ON GRADE LEVEL.
IF TILING CONTACT YOU SALES REP



DOOR PLUG DETAIL WITH THRESHOLD AND HEATER WIRE (6)

NOTE: WALK-IN SITS ON GRADE LEVEL.
IF TILING CONTACT YOU SALES REP



DOOR PLUG DETAIL NON HEATER, NO THRESHOLD (7)

☐ APPROVED AS DRAWN SIGNED _____

☐ RESUBMIT DATE: _____

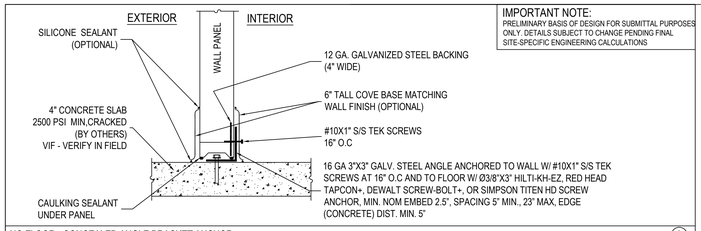
Arctic WALK-IN COOLERS AND FREEZERS
MIAMI, FLORIDA PHONE: (305) 883-5581
LOS ANGELES, CALIFORNIA PHONE: (626) 508-0920

Intertek 4168918 (ETL) Intertek 5109748 (ETL) EISA

CUSTOMER NAME:
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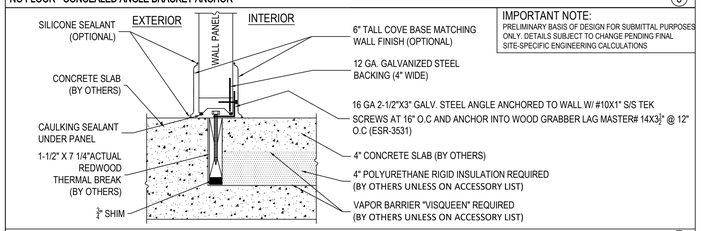
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########	####	####	FS.19 WALK IN COOLER FREEZER
SCALE:	CREATED:	SHEET NO.	
As Shown	10/27/2026	LAYOUT1 OF #	



IMPORTANT NOTE:
PRELIMINARY BASIS OF DESIGN FOR SUBMITTAL PURPOSES ONLY. DETAILS SUBJECT TO CHANGE PENDING FINAL SITE-SPECIFIC ENGINEERING CALCULATIONS

NO FLOOR - CONCEALED ANGLE BRACKET ANCHOR (8)



IMPORTANT NOTE:
PRELIMINARY BASIS OF DESIGN FOR SUBMITTAL PURPOSES ONLY. DETAILS SUBJECT TO CHANGE PENDING FINAL SITE-SPECIFIC ENGINEERING CALCULATIONS

NO FLOOR - THERMAL BREAK CONCEALED ANGLE BRACKET ANCHOR (09)

(11)

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☐ RESUBMIT DATE: _____

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LOS ANGELES, CALIFORNIA PHONE: (626) 508-0920

Intertek 4168918 (ETL) Intertek 5109748 (ETL) EISA

CUSTOMER NAME:
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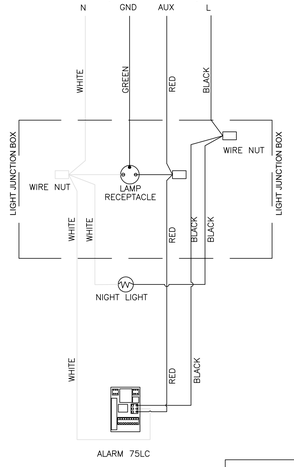
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##########

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########	####	####	FS.19 WALK IN COOLER FREEZER
SCALE:	CREATED:	SHEET NO.	
As Shown	10/27/2026	LAYOUT1 OF #	

Field Connection

120V / 60V / 1PH

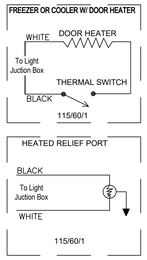
15 Amp Circuit Required



This is a 120VAC, 15 amp circuit auxiliary lights max combined draw 10 amps	
Manufacturer	**Model**
Keil (Component Hardware)	LED48X754
Kason	1802, 1802NL,1803, 1804, 1806, 1807, 1808,
	1808NM, 1808FM, 1809, 1810EZ Series,
	1810LX, 1810LC, 1820
MaxLite	LSV Series, JJ Series
Osram Sylvania	30099 Series
Various	UL Listed 120VAC, no greater than 60 watts

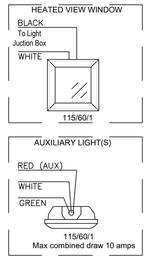
ADDITIONAL CONNECTIONS

FREEZER



NOTE: Door Heater, Thermal Switch and Heated Relief Port included on Freezers only.
Door Heater and Thermal Switch optional on Coolers

OPTIONAL



NOTE: If Auxiliary Lights are not powered from the Door Circuit, the Red Aux Wire from the Door Circuit must be capped off or removed by Qualified Electrician

ELECTRICIAN MUST PROVIDE SEAL-OFFS ON THE WARM SIDE OF ALL INCOMING CONDUIT LINES TO PREVENT CONDENSATION FROM FORMING INSIDE THE CONDUIT. (SEE DETAILS PAGE)

Arctic®
WALK-IN COOLERS AND FREEZERS
FLORIDA, USA (305) 883-5581
CALIFORNIA, USA (626)508-0920

SINGLE POLE WIRING DIAGRAM FOR A/V ALARM 75LC

NOTE: DOOR MUST BE DISCONNECTED FROM ELECTRICAL SUPPLY FOR INSTALLATION AND ADJUSTMENTS.
NOTE: CONDUIT PENETRATIONS MUST BE SEALED INTERNALLY AND EXTERNALLY WHERE THEY ENTER THE WALK-IN BOX.

LayoutTO 5

Update:10/27/26

VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
p: 775.328.1010
f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

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1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

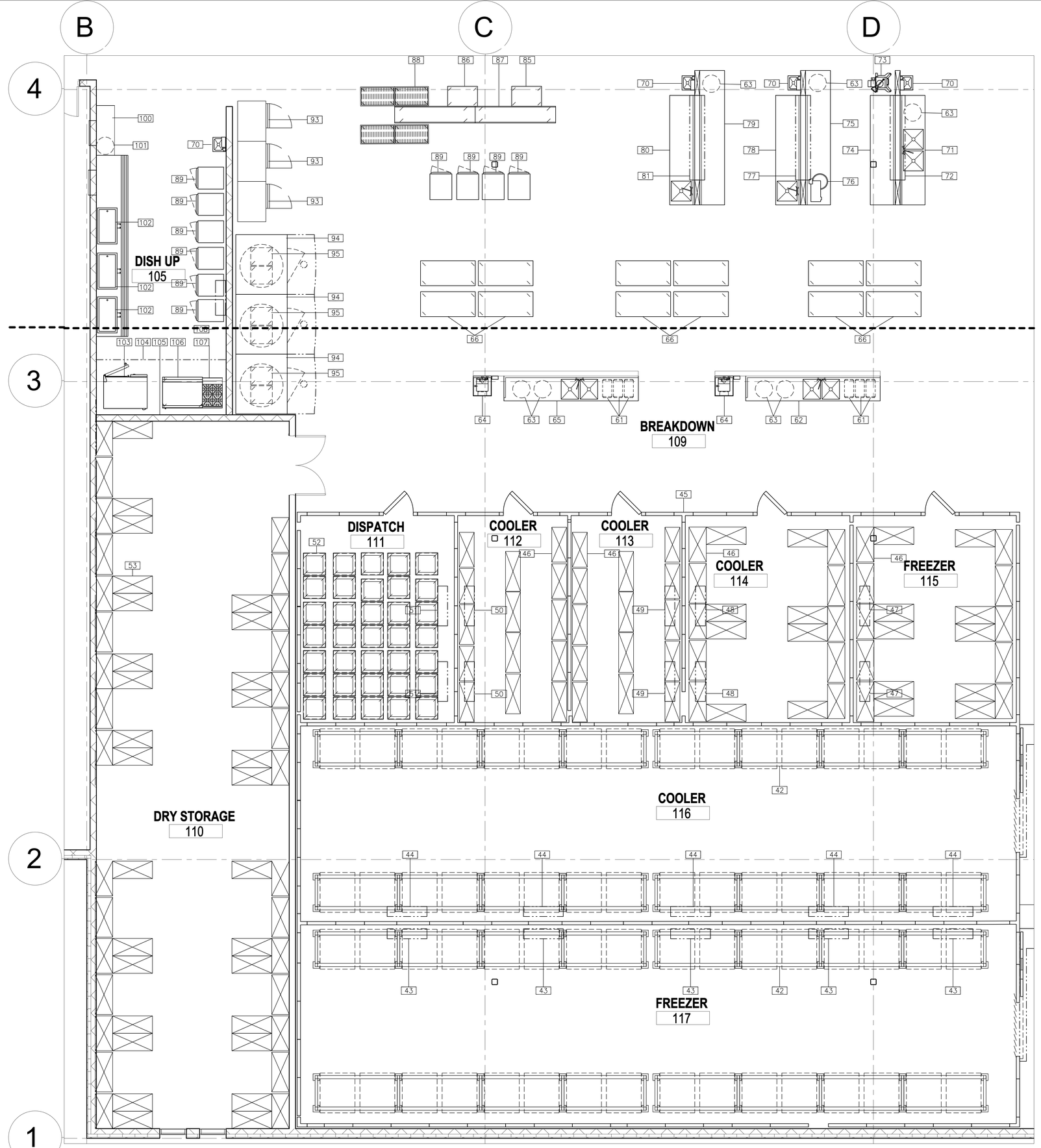
drawing title
FOODSERVICE
MFR DRAWINGS - WALK IN COOLER/FREEZER

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.19

6/18/2026 12:55:04 PM



01 Foodservice Equipment Plan

SCALE: 1/4" = 1'-0"

6/18/2026 12:55:04 PM

SHEET NOTES

FOODSERVICE HEALTH DEPARTMENT REQUIREMENTS:

A. ALL EQUIPMENT, MANUFACTURED OR CUSTOM FABRICATED, TO HAVE NSF, ETL SANITATION OR UL SANITATION APPROVALS.

B. INSTALLATION TO MEET STATE OF NEVADA, DEPARTMENT OF HEALTH, SANITATION BRANCH, LATEST CODE EDITION.

C. ALL EXPOSED PLUMBING AND GAS LINES MUST BE MOUNTED OR ENCLOSED SO AS TO FACILITATE CLEANING. AN EFFORT SHOULD BE MADE TO ENCLOSE ALL PLUMBING LINES WITHIN WALLS UNLESS OTHERWISE APPROVED.

D. ALL EQUIPMENT WHICH GENERATES CONDENSATE AND LIQUID WASTES FROM STEAM TABLES, ICE MACHINES AND BINS, UTENSIL WASH SINKS, FOOD PREPARATION SINKS, DISPLAY CASES, ETC. SHALL BE DRAINED BY MEANS OF INDIRECT WASTE PIPES INTO FLOOR SINK OR OTHER APPROVED INDIRECT WASTE RECEPTOR. FLOOR DRAINS ARE NOT TO BE USED IN LIEU OF FLOOR SINKS. ALL WASTE LINES MUST BE HARD PIPED FROM POINT OF CONNECTIONS.

E. ALL FLOOR SINKS SHALL BE AT LEAST HALF EXPOSED OR OTHERWISE READILY ACCESSIBLE FOR INSPECTION AND CLEANING. FLOOR SINK SHOULD NOT POSE A TRIPPING HAZARD (MOUNT ALL FLOOR SINKS FLUSH WITH FLOOR)

F. ALL EXPOSED ELECTRICAL LINES SHALL BE ENCLOSED WITHIN SMOOTH, RIGID CONDUIT AND BE MOUNTED OR ENCLOSED SO AS TO FACILITATE CLEANING. FLEX CONDUIT IS ONLY PERMITTED IF ENCLOSED WITHIN WALLS.

G. SUFFICIENT NATURAL OR ARTIFICIAL LIGHTING REQUIRED.
FIFTY (50) FOOT-CANDLES IN FOOD PREPARATION, UTENSIL WASH, STORAGE, RESTROOMS.

H. SHATTER PROOF SHIELDS ON LIGHTS REQUIRED ABOVE FOOD PREPARATION, OPEN FOOD STORAGE, UTENSIL-CLEANING AREAS AND HOODS.

I. AN APPROVED FLOORING MATERIAL. FOUR INCH (MINIMUM) HIGH CONTINUOUSLY COVED BASE. (3/8" MIN. COVE AT WALL/FLOOR/EQUIPMENT JUNCTURE).

EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES
41	1	BULK FREEZER/COOLER	ARCTIC	14-8 CF MODULAR-4	
41A	1	FREEZER FLOOR HEATER	PROVIDED BY ELECTRICAL CONTRACTOR	NOT PART OF FSEC CONTRACT	
42	LOT	PALLET RACK SYSTEM	ARCTIC	TWO TIER	
43	5	FREEZER BLOWER COILS	COOLTEC	LOW TEMP	
44	5	COOLER BLOWER COILS	COOLTEC	MED TEMP	
45	1	WALK-IN COOLERS/FREEZER	DURACOLD BY ARCTIC	10-8 CF MODULAR 4	
46	LOT	SEISMIC SHELVING	EAGLE GROUP	EAGLEGARD 63-FOUR TIER/SFP10-2	
47	3	FREEZER BLOWER COILS	COOLTEC	LOW TEMP	
48	3	COOLER BLOWER COILS	COOLTEC	MED TEMP	
49	3	COOLER BLOWER COILS	COOLTEC	MED TEMP	
50	3	COOLER BLOWER COILS	COOLTEC	MED TEMP	
51	3	COOLER BLOWER COILS	COOLTEC	MED TEMP	
52	LOT	TRANSPORT CART	PROVIDED BY OWNER		NIC
53	LOT	SEISMIC SHELVING	EAGLE GROUP	EAGLEGARD 63-FOUR TIER/SFP10-2	
54		NOT USED			
55		NOT USED			
56		NOT USED			
57		NOT USED			
58		NOT USED			
59		NOT USED			
60		NOT USED			
61	LOT	TRASH CONTAINER	RUBBERMAID	FG354060GRAY	
62	1	BREAKDOWN TABLE WITH SINKS	CUSTOM FABRICATED	SEE ELEVATIONS	
63	LOT	TRASH CONTAINER	RUBBERMAID	FG263256GRAY	
64	2	HAND SINK/EW/SIDE SPLASH	EAGLE GROUP	HSAP-14-EYE	
65	1	BREAKDOWN TABLE WITH SINKS	CUSTOM FABRICATED	SEE ELEVATIONS	
66	8	MOBILE WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
67		NOT USED			
68		NOT USED			
69		NOT USED			
70	4	HAND SINK/SIDE SPLASH/S&T	EAGLE GROUP	HSAP-14-ADA-FE-B	
71	1	PREP TABLE WITH SINKS	CUSTOM FABRICATED	SEE ELEVATIONS	
72	1	PASS SHELF	CUSTOM FABRICATED	SEE ELEVATIONS	
73	1	FOOD PROCESSOR	HOBART	FP400	
74	1	PREP TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
75	1	PREP TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
76	1	FOOD CUTTER	HOBART	84186	
77	1	PASS SHELF	CUSTOM FABRICATED	SEE ELEVATIONS	
78	1	PREP TABLE WITH SINK	CUSTOM FABRICATED	SEE ELEVATIONS	
79	1	PREP TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
80	1	PREP TABLE WITH SINK	CUSTOM FABRICATED	SEE ELEVATIONS	
81	1	PASS SHELF	CUSTOM FABRICATED	SEE ELEVATIONS	
82		NOT USED			
83		NOT USED			
84		NOT USED			
85	1	MOBILE COLD FOOD COUNTER	CADDY	RIF-604	
86	4	MOBILE TRAY RACK	NEW AGE	96087	
87	2	S/S TRAY ASSEMBLY TABLES	CUSTOM FABRICATED	SEE ELEVATION DETAILS	
88	1	MOBILE HOT FOOD COUNTER	CADDY	TF-612	
89	10	MOBILE HOT CABINET	CRESCOR	H-137-SUA-12DZ	
90		NOT USED			
91		NOT USED			
92		NOT USED			
93	3	ROLL IN BLAST CHILLER	ALTO SHAAM	QC3-100	
94	3	ROLL-IN RACK OVEN/HOOD (TYPE-I)	BAXTER	CS50002	
95	6	DOUBLE RACK CART	BAXTER	BDRSB-15	
95A	6	SINGLE RACK CART	BAXTER	BDSRSB-15	
96		NOT USED			
97		NOT USED			
98		NOT USED			
99		NOT USED			
100	1	SERVING WINDOW TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
101	1	SERVING COUNTER	CUSTOM FABRICATED	SEE ELEVATIONS	
102	3	DROP IN HOT WELLS	WELLS	MOD-300TDM/AF	
103	1	COMBI-OVEN (UPPER)	ALTO SHAAM	CTP7-20G	
104	1	COMBI-OVEN (LOWER)	ALTO SHAAM	CTP7-20G	
105	1	S/S WALL FLASHING	CUSTOM FABRICATED	SEE ELEVATIONS	
106	1	GRIDDLE WITH STAND	VULCAN	MSA48-3G/ISTAND/C-72	
107	2	4 BURNER RANGE/STAND	VULCAN	V4B24	
108	1	FIRE SUPPRESSION SYSTEM	STREIVOR AIR SYSTEMS	ANSUL R102	
109	1	EXHAUST HOOD (TYPE-I)	STREIVOR	WCBD-HVCMS	
110		NOT USED			

ABBREVIATIONS:

FSEC	FOODSERVICE EQUIPMENT CONTRACTOR
S/S	STAINLESS STEEL
U/C	UNDER COUNTER
S&T	SOAP AND TOWEL
NIC	NOT IN CONTRACT

SCHEDULE / DRAWING NOTES:

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reno, nevada 89502
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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

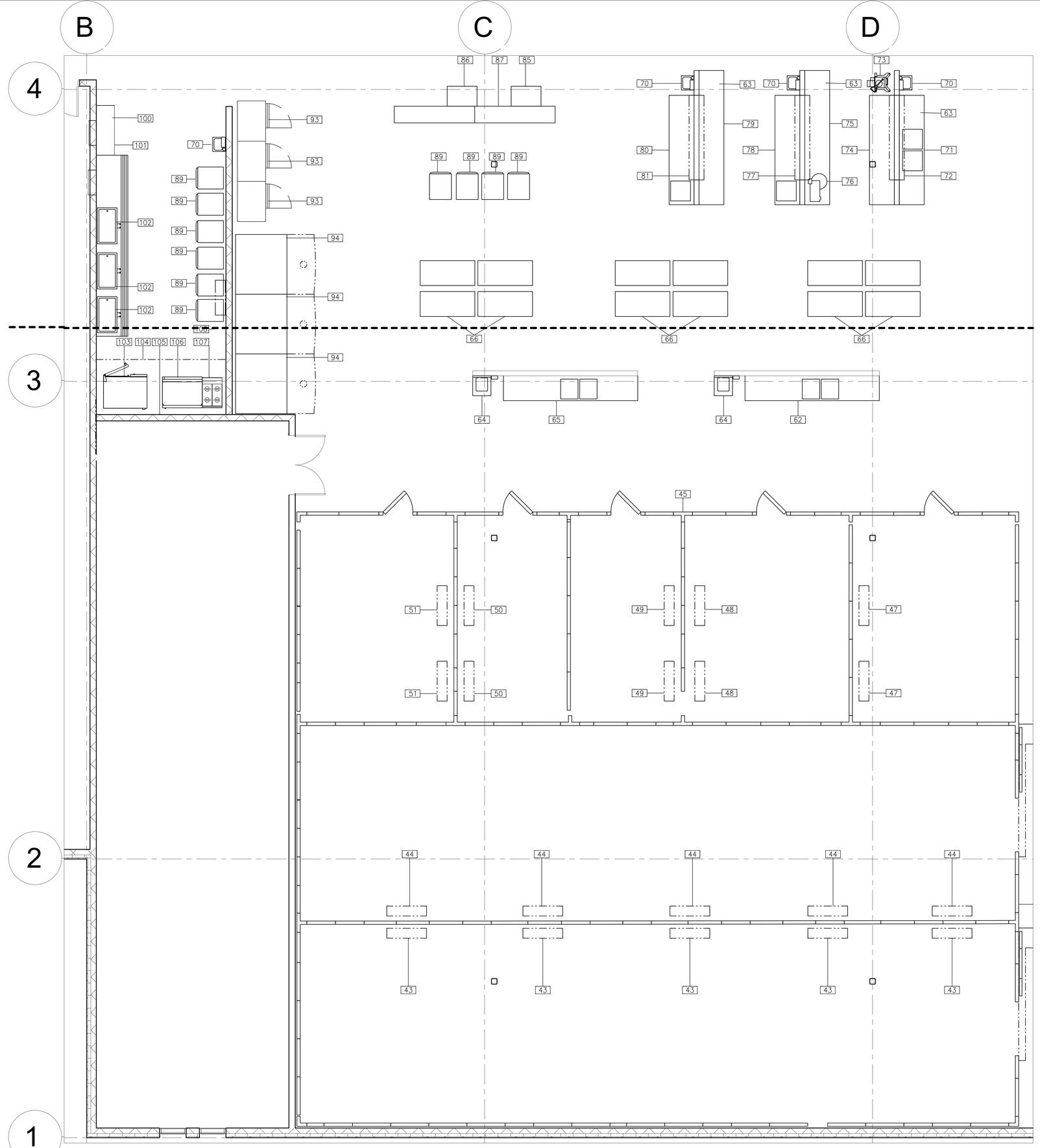
DESIGN DEVELOPMENT

drawing title
FOODSERVICE EQUIPMENT PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.20



NOTES:

GENERAL CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. WALLS, FLOORS AND CEILINGS IN FOODSERVICE AND WASHING AREAS OR ANY OTHER LOCATION WHERE FOOD OR BEVERAGES ARE PREPARED, SHALL BE SMOOTH, EASILY CLEANABLE, NON-ABSORBENT AND DURABLE. WALLS AND CEILINGS SHALL BE "LIGHT-IN COLOR".

C. OPENINGS/ACCESS FOR ALL FOODSERVICE EQUIPMENT.

D. WALL BACKING FOR WALL MOUNTED FOODSERVICE EQUIPMENT, SEE DETAIL, THIS SHEET.

E. WALLS WITH SOUND CONTROL BETWEEN DISHROOMS AND PUBLIC AREAS.

F. FLOOR DEPRESSIONS FOR COLD STORAGE ROOMS.

G. BLOCK OUTS IN FLOOR FOR FLUSH MOUNT FLOOR TROUGHS.

H. CONDUIT FOR BEVERAGE LINES.

I. CONDUIT FOR REFRIGERATION LINES.

J. COVED FINISHED FLOOR MATERIALS AT ALL VERTICAL SURFACES. (3/8" MINIMUM)

K. SLEEVES/ACCESS FOR REFRIGERATION PIPING.

L. ROOF CURB WITH GALVANIZED SHEET METAL CAP FOR REMOTE REFRIGERATION SYSTEM.

M. FIRE RATED MATERIALS AND OR INSULATION AS REQUIRED FOR EXHAUST DUCTS, VENT STACKS, HEAT PRODUCING EQUIPMENT, ROOF/WALL PENETRATIONS PER LOCAL CODES.

N. FILL EXCESS FLOOR DEPRESSIONS AROUND RECESSED COLD STORAGE ROOM COMPARTMENTS WITH GROUT, FINISH FLOOR MATERIAL AND COVED BASE AFTER INSTALLATION.

O. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

MECHANICAL CONTRACTOR TO PROVIDE:

H. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

I. EXHAUST SYSTEMS AND CONTROLS.

J. VFD'S AT FAN PACKAGE IF DCKV CONTROLS ARE PART OF FOODSERVICE EQUIPMENT SCOPE.

K. FINAL DUCT CONNECTIONS TO EXHAUST HOODS.

L. MAKE-UP AIR DIFFUSERS: DO NOT PLACE ANY DIFFUSERS WITHIN 10'-0" OF EXHAUST HOODS AND DO NOT HAVE ANY MAKE-UP AIR DIRECTED TOWARD EXHAUST HOODS.

VENTILATION / BUILDING CONDITIONS / AIR

ITEM	QTY	DESCRIPTION	VENTILATION EXHAUST			VENTILATION SUPPLY			WALL BACKING		COMPRESSED AIR		
			SIZE	CFM	WGSP	SIZE	CFM	WGSP	HT	OC	SUP	CFM	HT
41	1	BULK FREEZER/COOLER											
41A	1	FREEZER FLOOR HEATER											
42	LOT	PALLET RACK SYSTEM											
43	5	FREEZER BLOWER COILS											
44	5	COOLER BLOWER COILS											
45	1	WALK-IN COOLERS/FREEZER											
46	LOT	SEISMIC SHELVING											
47	3	FREEZER BLOWER COILS											
48	3	COOLER BLOWER COILS											
49	3	COOLER BLOWER COILS											
50	3	COOLER BLOWER COILS											
51	3	COOLER BLOWER COILS											
52	LOT	TRANSPORT CART											
53	LOT	SEISMIC SHELVING											
54		NOT USED											
55		NOT USED											
56		NOT USED											
57		NOT USED											
58		NOT USED											
59		NOT USED											
60		NOT USED											
61	LOT	TRASH CONTAINER											
62	1	BREAKDOWN TABLE WITH SINKS							6"	42"			
63	LOT	TRASH CONTAINER											
64	2	HAND SINK/EW/SIDE SPLASH							12"	38"			
65	1	BREAKDOWN TABLE WITH SINKS							6"	42"			
66	8	MOBILE WORK TABLE											
67		NOT USED											
68		NOT USED											
69		NOT USED											
70	4	HAND SINK/SIDE SPLASH/S&T							12"	38"			
71	1	PREP TABLE WITH SINKS							6"	42"			
72	1	PASS SHELF											
73	1	FOOD PROCESSOR											
74	1	PREP TABLE							6"	42"			
75	1	PREP TABLE							6"	42"			
76	1	FOOD CUTTER											
77	1	PASS SHELF											
78	1	PREP TABLE WITH SINK							6"	42"			
79	1	PREP TABLE							6"	42"			
80	1	PREP TABLE WITH SINK							6"	42"			
81	1	PASS SHELF											
82		NOT USED											
83		NOT USED											
84		NOT USED											
85	1	MOBILE COLD FOOD COUNTER											
86	4	MOBILE TRAY RACK											
87	2	S/S TRAY ASSEMBLY TABLES											
88	1	MOBILE HOT FOOD COUNTER											
89	10	MOBILE HOT CABINET											
90		NOT USED											
91		NOT USED											
92		NOT USED											
93	3	ROLL IN BLAST CHILLER											
94	3	ROLL-IN RACK OVEN/HOOD (TYPE-I)	10" DIA	750	0.60"								
95	6	DOUBLE RACK CART											
95A	6	SINGLE RACK CART											
96		NOT USED											
97		NOT USED											
98		NOT USED											
99		NOT USED											
100	1	SERVING WINDOW TABLE							6"	42"			
101	1	SERVING COUNTER							6"	42"			
102	3	DROP IN HOT WELLS											
103	1	COMBI-OVEN (UPPER)											
104	1	COMBI-OVEN (LOWER)											
105	1	S/S WALL FLASHING											
106	1	GRIDDLE WITH STAND											
107	2	4 BURNER RANGE/STAND											
108	1	FIRE SUPPRESSION SYSTEM											
109	1	EXHAUST HOOD (TYPE-I)	17"x14"	2310	0.55"	12"x10"(3)	616(3)	.40					
110		NOT USED											

ABBREVIATIONS:

CFM	CUBIC FEET/MINUTE	STUB	UTILITY UP FROM FLOOR
WGSP	WATER GUAGE STATIC PRESSURE	SUP	SUPPLY
HT	HEIGHT		
OC	ON CENTER		
FA	FROM ABOVE		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING

6/18/2026 12:55:04 PM

01 Foodservice Building Conditions and Ventilation Plan

SCALE: 1/4" = 1'-0"

VanWoert Bigotti architects
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reno, nevada 89502
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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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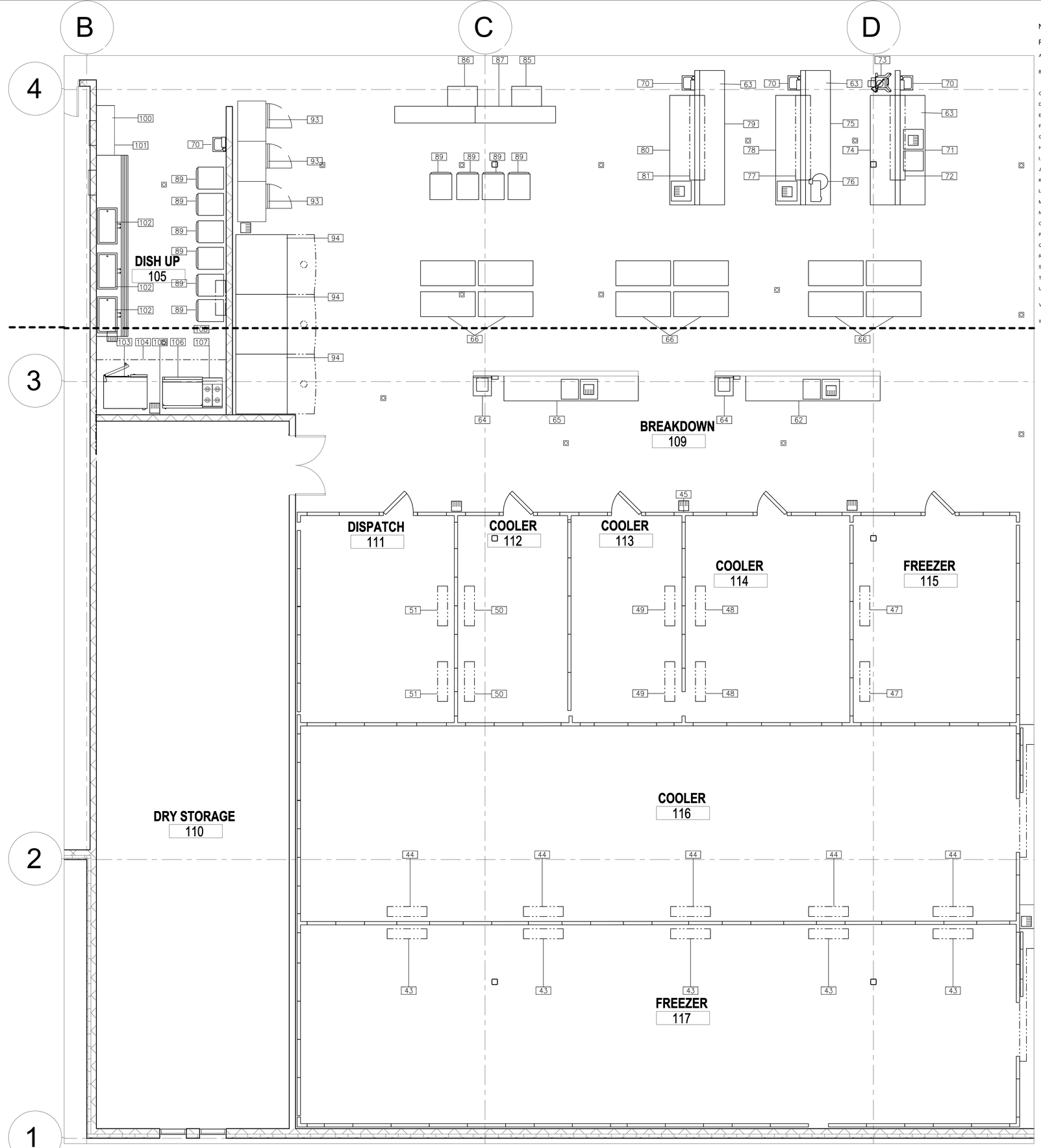
DESIGN DEVELOPMENT

drawing title
FOODSERVICE
BUILDING CONDITIONS AND
VENTILATION PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.21



NOTES:

PLUMBING CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. ROUGH-IN AND FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT AS INDICATED ON DRAWINGS AND IN PLUMBING ROUGH-IN SCHEDULE, INCLUDING ALL MATERIALS SUCH AS STOPS, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING AND SHUT OFF'S AS REQUIRED.

C. MINIMUM 120 DEGREE HOT WATER WITH THE EXCEPTION OF HAND WASH SINKS.

D. PRESSURE REDUCING VALVE TO 20 PSI FOR DISHWASHERS/ BOOSTER HEATERS.

E. ALL WASTE LINES AS NOTED.

F. MINIMUM DIAMETER OF LINE AS INDICATED ON SCHEDULE REGARDLESS OF CONNECTION SIZE.

G. ALL DRAINS SLOPED DOWNWARD WITH ADEQUATE CLEAN-OUT PROVISIONS.

H. MAINTAIN DRAINS AS HIGH AS POSSIBLE ABOVE FLOOR.

I. ALL EXPOSED DRAIN LINES TO BE FINISHED IN STAINLESS STEEL PAINT (SEYMOUR 16-054).

J. INSULATION ON ALL HOT WATER AND CONDENSATE LINES.

K. FLOOR SINKS/FLOOR DRAINS. (SET FLUSH WITH FINISHED FLOOR).

L. ALL VENT PIPES ARE TO BE CONCEALED IN WALLS, COLUMNS OR CHASES, USE LOOP-VENTS FOR ISLAND FIXTURES.

M. MOP SINK, HOSE BIBB WITH VACUUM BREAKER AND MOP RACK.

N. INTERCONNECTION BETWEEN BOOSTER HEATER AND DISHMACHINE.

O. INTERCONNECTION BETWEEN SCRAP COLLECTOR AND SOILED DISHTABLE TROUGH.

P. INTERCONNECTION BETWEEN WASTE COLLECTOR, VACUUM BREAKER, AND PROVIDED SOLENOIDS.

Q. INTERCONNECTION BETWEEN ROUGH-IN, HOSE REEL AND VACUUM BREAKER.

R. INTERCONNECTION BETWEEN VENTILATOR AND CONTROL PANEL.

S. HEAT TAPE FOR FREEZER COMPARTMENT INDIRECT WASTE LINE.

T. GREASE TRAPS/INTERCEPTORS (LOCATED OUTSIDE OF KITCHEN AREA) AS SPECIFIED UNDER PLUMBING SECTION.

U. INSTALLATION OF FIRE PROTECTION SYSTEM GAS SHUT-OFF VALVE AND Y-STRAINER, 3" MAXIMUM DIA. (PROVIDED BY HOOD MANUFACTURER/FOODSERVICE EQUIPMENT CONTRACTOR).

V. PROVISIONS FOR DRAIN PIPING SERVING FLOOR TROUGHS/FLOOR SINKS AT COOKING EQUIPMENT (TILT KETTLES/SKILLETS) TO WITHSTAND DRAIN TEMPERATURES IN EXCESS OF 180 DEGREES.

W. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

⊠ 2" WASTE WITH TRAP PRIMER

FLOOR SINK
WASTE CONNECTION SHOWN ON PLAN

PLUMBING ROUGH-IN

ITEM	QTY	DESCRIPTION	WATER				WASTE			GAS			CHILLED WATER				STEAM			
			CW	HW	HT	GPH	IND	DIR	HT	SUP	MBH	HT	SUP	RET	HT	GPM	SUP	RET	HT	LB/HR
41	1	BULK FREEZER/COOLER					1"													
41A	1	FREEZER FLOOR HEATER																		
42	LOT	PALLET RACK SYSTEM																		
43	5	FREEZER BLOWER COILS					1"													
44	5	COOLER BLOWER COILS					1"													
45	1	WALK-IN COOLERS/FREEZER					1"													
46	LOT	SEISMIC SHELVING																		
47	3	FREEZER BLOWER COILS					1"													
48	3	COOLER BLOWER COILS					1"													
49	3	COOLER BLOWER COILS					1"													
50	3	COOLER BLOWER COILS					1"													
51	3	COOLER BLOWER COILS					1"													
52	LOT	TRANSPORT CART																		
53	LOT	SEISMIC SHELVING																		
54		NOT USED																		
55		NOT USED																		
56		NOT USED																		
57		NOT USED																		
58		NOT USED																		
59		NOT USED																		
60		NOT USED																		
61	LOT	TRASH CONTAINER																		
62	1	BREAKDOWN TABLE WITH SINKS	1/2"	1/2"	18"	10	1-1/2"													
63	LOT	TRASH CONTAINER																		
64	2	HAND SINK/EW/SIDE SPLASH	1/2"	1/2"	18"	5		1-1/2"	21"											
65	1	BREAKDOWN TABLE WITH SINKS	1/2"	1/2"	18"	10	1-1/2"													
66	8	MOBILE WORK TABLE																		
67		NOT USED																		
68		NOT USED																		
69		NOT USED																		
70	4	HAND SINK/SIDE SPLASH/S&T	1/2"	1/2"	18"	5		1-1/2"	21"											
71	1	PREP TABLE WITH SINKS	1/2"	1/2"	18"	10	1-1/2"													
72	1	PASS SHELF																		
73	1	FOOD PROCESSOR																		
74	1	PREP TABLE																		
75	1	PREP TABLE																		
76	1	FOOD CUTTER																		
77	1	PASS SHELF																		
78	1	PREP TABLE WITH SINK	1/2"	1/2"	18"	10	1-1/2"													
79	1	PREP TABLE																		
80	1	PREP TABLE WITH SINK	1/2"	1/2"	18"	10	1-1/2"													
81	1	PASS SHELF																		
82		NOT USED																		
83		NOT USED																		
84		NOT USED																		
85	1	MOBILE COLD FOOD COUNTER																		
86	4	MOBILE TRAY RACK																		
87	2	S/S TRAY ASSEMBLY TABLES																		
88	1	MOBILE HOT FOOD COUNTER																		
89	10	MOBILE HOT CABINET																		
90		NOT USED																		
91		NOT USED																		
92		NOT USED																		
93	3	ROLL IN BLAST CHILLER					1"													
94	3	ROLL-IN RACK OVEN/HOOD (TYPE-I)	1/2"		94"		1"			1"	275	102"								
95	6	DOUBLE RACK CART																		
95A	6	SINGLE RACK CART																		
96		NOT USED																		
97		NOT USED																		
98		NOT USED																		
99		NOT USED																		
100	1	SERVING WINDOW TABLE																		
101	1	SERVING COUNTER																		
102	3	DROP IN HOT WELLS	1/2"		18"		1"													
103	1	COMBI-OVEN (UPPER)	3/4"		SD		1-1/2"			3/4"	98	SD								
104	1	COMBI-OVEN (LOWER)	3/4"		SD		1-1/2"			3/4"	98	SD								
105	1	S/S WALL FLASHING																		
106	1	GRIDDLE WITH STAND								3/4"	108	SD								
107	2	4 BURNER RANGE/STAND								3/4"	140	32"								
108	1	FIRE SUPPRESSION SYSTEM																		
109	1	EXHAUST HOOD (TYPE-I)																		
110		NOT USED																		

ABBREVIATIONS:

CW	COLD WATER	MBH	BRITISH THRMAL UNIT x 1000	HT	HEIGHT
HW	HOT WATER	SUP	SUPPLY	SD	STUB DOWN FROM UTILITY WALL
GPH	GALLONS PER HOUR (HOT WATER)	RET	RETURN	FA	FROM ABOVE
IND	INDIRECT WASTE (AIR GAP)	GPM	GALLONS PER MINUTE	STUB	UTILITY UP FROM FLOOR
DIR	DIRECT WASTE	BHP	BOILER HORSE POWER		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING

REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN INFORMATION

6/18/2026 12:55:04 PM

01 Foodservice Plumbing Rough In Plan

SCALE: 1/4" = 1'-0"

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reno, nevada 89502
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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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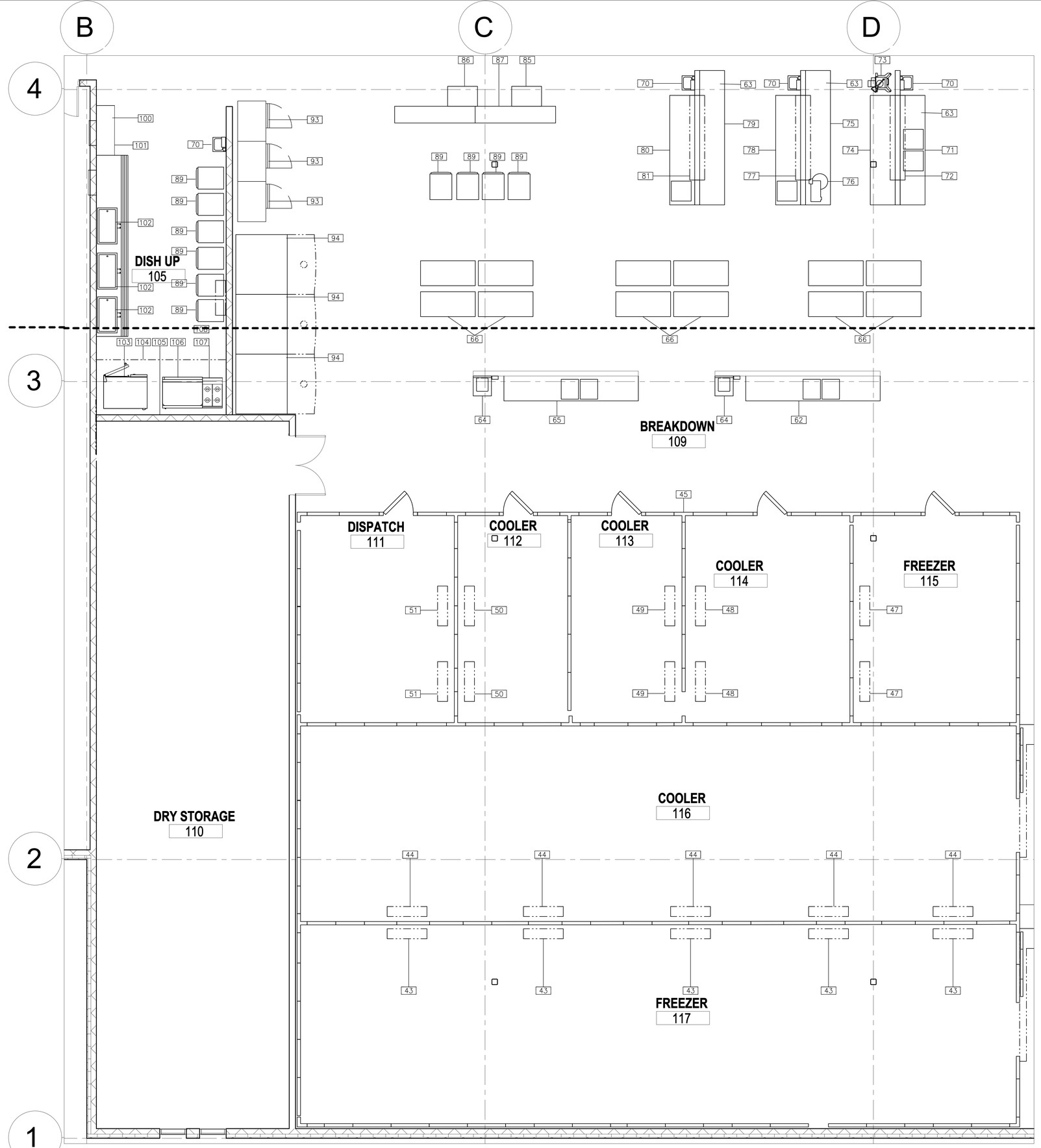
DESIGN DEVELOPMENT

drawing title
FOODSERVICE
PLUMBING ROUGH IN PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.22



NOTES:

ELECTRICAL CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. ROUGH-IN AND FINAL CONNECTION TO ALL FOODSERVICE EQUIPMENT AS INDICATED ON DRAWINGS AND IN ELECTRICAL ROUGH-IN SCHEDULE.

C. ALL JUNCTION-BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES NOT BUILT INTO FIXTURES OR EQUIPMENT.

D. DISHROOMS TO HAVE VAPOR PROOF COMPONENTS.

E. SHUNT TRIP CIRCUIT BREAKERS FOR ALL FOODSERVICE EQUIPMENT BELOW EXHAUST HOODS.

F. BEVERAGE LINE CONDUITS (SEE BUILDING CONDITIONS PLAN).

F. REFRIGERATION LINE CONDUITS (SEE BUILDING CONDITIONS PLAN).
G.

H. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

INTERCONNECTION BETWEEN:

A. ALL COLD STORAGE ROOM COMPONENTS AS INDICATED ON DRAWINGS.

B. DEMAND CONTROL KITCHEN VENTILATION PANEL (DCKV) AS INDICATED AND APPROVED SHOP DRAWINGS.

C. HOOD MOUNTED TEMPERATURE MONITOR AND EXHAUST SYSTEM CONTROLS FOR AUTOMATIC FAN START.

D. FOODSERVICE EQUIPMENT WITH SWITCH ACTIVATION.

E. FIRE PROTECTION SYSTEM AND BUILDING LIFE SAFETY.

ELECTRICAL ROUGH-IN

ITEM	QTY	DESCRIPTION	CONNECTED LOAD 120/1	120/208/1	120/208/3	208/1	208/3	480/3	HT	CONNECTION TYPE C&P	RECP	HW
41	1	BULK FREEZER/COOLER	16 AMP			16 AMP			FA			*
41A	1	FREEZER FLOOR HEATER				16 AMP			FA			*
42	LOT	PALLET RACK SYSTEM										
43	5	FREEZER BLOWER COILS				26.7 AMP			FA			*
44	5	COOLER BLOWER COILS	20A CKT						FA			*
45	1	WALK-IN COOLERS/FREEZER	20A CKT						FA			*
46	LOT	SEISMIC SHELVING										
47	3	FREEZER BLOWER COILS				26.7 AMP			FA			*
48	3	COOLER BLOWER COILS	20A CKT						FA			*
49	3	COOLER BLOWER COILS	20A CKT						FA			*
50	3	COOLER BLOWER COILS	20A CKT						FA			*
51	3	COOLER BLOWER COILS	20A CKT						FA			*
52	LOT	TRANSPORT CART										
53	LOT	SEISMIC SHELVING										
54		NOT USED										
55		NOT USED										
56		NOT USED										
57		NOT USED										
58		NOT USED										
59		NOT USED										
60		NOT USED										
61	LOT	TRASH CONTAINER										
62	1	BREAKDOWN TABLE WITH SINKS	4 AMP						48"		*	
63	LOT	TRASH CONTAINER										
64	2	HAND SINK/EW/SIDE SPLASH										
65	1	BREAKDOWN TABLE WITH SINKS	4 AMP						48"		*	
66	8	MOBILE WORK TABLE										
67		NOT USED										
68		NOT USED										
69		NOT USED										
70	4	HAND SINK/SIDE SPLASH/S&T										
71	1	PREP TABLE WITH SINKS	4 AMP						48"		*	
72	1	PASS SHELF										
73	1	FOOD PROCESSOR					7.5 AMP		32"	*	*	
74	1	PREP TABLE	4 AMP						48"		*	
75	1	PREP TABLE	4 AMP						48"		*	
76	1	FOOD CUTTER	12 AMP						STUB		*	
77	1	PASS SHELF										
78	1	PREP TABLE WITH SINK	4 AMP						48"		*	
79	1	PREP TABLE	4 AMP						48"		*	
80	1	PREP TABLE WITH SINK	4 AMP						48"		*	
81	1	PASS SHELF										
82		NOT USED										
83		NOT USED										
84		NOT USED										
85	1	MOBILE COLD FOOD COUNTER	IN #53									
86	4	MOBILE TRAY RACK										
87	2	S/S TRAY ASSEMBLY TABLES			50A CKT				STUB			*
88	1	MOBILE HOT FOOD COUNTER	IN #53									
89	10	MOBILE HOT CABINET	12 AMP						FA	*	*	
90		NOT USED										
91		NOT USED										
92		NOT USED										
93	3	ROLL IN BLAST CHILLER		16 AMP					24"		*	
94	3	ROLL-IN RACK OVEN/HOOD (TYPE-I)	15 AMP				5 AMP		120"			*
95	6	DOUBLE RACK CART										
95A	6	SINGLE RACK CART										
96		NOT USED										
97		NOT USED										
98		NOT USED										
99		NOT USED										
100	1	SERVING WINDOW TABLE	4 AMP						48"		*	
101	1	SERVING COUNTER	4 AMP						48"		*	
102	3	DROP IN HOT WELLS		12.8 AMP					24"		*	
103	1	COMBI-OVEN (UPPER)	6.8 AMP						52"			*
104	1	COMBI-OVEN (LOWER)	6.8 AMP						52"			*
105	1	S/S WALL FLASHING										
106	1	GRIDDLE WITH STAND	1 AMP						32"		*	
107	2	4 BURNER RANGE/STAND										
108	1	FIRE SUPPRESSION SYSTEM	20A CKT									
109	1	EXHAUST HOOD (TYPE-I)										
110		NOT USED										

ABBREVIATIONS:

C&P	CORD AND PLUG	STUB	UTILITY UP FROM FLOOR
RECP	RECEPTACLE		
HW	HARDWIRE		
HT	HEIGHT		
FA	FROM ABOVE		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION SHOWN ON DRAWING

CONNECTION TYPES PROVIDED BY ELECTRICAL DIVISION

01 Foodservice Electrical Rough In Plan

SCALE: 1/4" = 1'-0"

6/18/2026 12:55:04 PM

VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
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f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

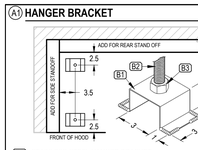
drawing title
FOODSERVICE ELECTRICAL ROUGH IN PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.23

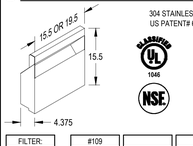
A1 HANGER BRACKET



B1 STAINLESS STEEL HANGER BRACKET
B2 ⅜" THREADED ROD
B3 ⅜" HEAVY DUTY LOCK NUTS, (1) ABOVE (1) BELOW
(THREADED ROD & LOCK NUTS NOT PROVIDED)
(HANGERS FACTORY WELDED UNLESS OTHERWISE SPECIFIED)

A2 EXTRACTAIRE HVC

CARTRIDGE FILTER



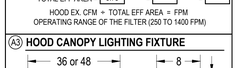
304 STAINLESS STEEL
US PATENT# 6,394,083

CLASSIFIED UL 1046 NSF

FILTER:		#109					
H x L	EFF. AREA	QTY	AREA	QTY	AREA	QTY	AREA
1616	0.40	X 3	1.20				
1620	0.51	X 5	2.55				
TOTAL EFF AREA =		3.75	=		=		=

HOOD EX. CFM ÷ TOTAL EFF AREA = FPM
OPERATING RANGE OF THE FILTER (250 TO 1400 FPM)

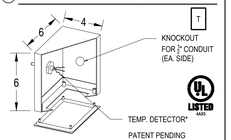
A3 HOOD CANOPY LIGHTING FIXTURE



- RECESSED L.E.D. WARM LIGHTS - 3000K
- SPECIFICALLY DESIGNED FOR CANOPY HOODS
- TEMPERATURE RATED TO 75°C (167°F)
- MEETS NFPA CODE 96 & NEC 410
- TOTAL LUMENS OUTPUT = 4228 (36"), 4925 (48")
- 43 WATTS (36"), 53 WATTS (48")

UL LISTED

A4 LISTED ENCLOSURE W/ TEMP. DETECTOR



UL LISTED

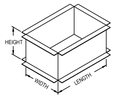
PATENT PENDING

REMOVABLE COVER ALLOWS EASY ACCESS FOR INSTALLATION, ADJUSTMENTS AND SERVICE OF MONITORING EQUIPMENT FROM UNDER THE HOOD.

*FOR TEMPERATURE DETECTOR WIRING SEE DETAIL E3

A5 DUCT CONNECTION DETAIL

EXHAUST DUCT COLLAR DETAIL



1" FLANGE AT TOP AND BOTTOM OF COLLAR ALLOWS FOR DUCT CONNECTIONS

BALANCEAIRE NOT INCLUDED
INTERNALLY ADJUSTABLE VARIABLE VOLUME DAMPER



1" FLANGE AT TOP AND BOTTOM OF COLLAR ALLOWS FOR DUCT CONNECTIONS

UL LISTED

PATENT # D634,419 S

THE BALANCEAIRE'S OPPOSED BLADES CAN BE ADJUSTED TO VARYING POSITIONS FROM 100% OPEN TO 95% CLOSED TO INCREASE OR DECREASE THE AMOUNT OF RESISTANCE IN THE HOODS EXHAUST COLLAR. THE EXHAUST FAN MUST BE SIZED TO ACCOUNT FOR THE BALANCEAIRE'S ADDED RESISTANCE.

GENERAL NOTES:

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC. (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY DEVIATIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT STAND ANY EXPENSE FOR CHANGES MADE NECESSARY DUE TO LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR, BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

HOOD SCHEDULE

EXHAUST

NO.	MODEL	L	W	H	WEIGHT	SPEC. CFM	SP	CFM/FT	DIST. FROM COOKING SURFACE TO LOWER EDGE OF HOOD. MIN. (OH1)	MAX.	MINIMUM OVERHANG OPEN SIDES. SIDE (OH2)	FRONT (OH3)	EQUIP. DUTY TEMPERATURE MAX.
109	SAWCBD 1546324	154	63	24	1082	2310	0.55	180	36	48	6	6	450

1. GREATER EXHAUST AND/OR LESSER SUPPLY AIR FLOW RATES MAY BE REQUIRED FOR COMPLETE VAPOR AND SMOKE REMOVAL IN SPECIFIC INSTALLATIONS).
2. THE EXHAUST FAN MUST BE OPERATED WHENEVER THE COOKING EQUIPMENT IS TURNED ON. (NFPA SECTION 7.7.1).

HOOD CANOPY MATERIAL: ALL 304 SERIES STAINLESS STEEL

HOOD LEGEND

1. ALL WELDED ENCLOSURE
2. 16 GA. SIDES, REMAINDER OF HOOD TO BE NO LESS THAN 18 GA.
3. PITCHED GREASE DRIP TRAY
4. ENCLOSED METAL CONTAINER
6. ENCLOSURE PANEL
8. 12" HOOD OVERHANG IS RECOMMENDED FOR ALL HEAVY DUTY COOKING APPLIANCES
9. 8" ROUND INTERNAL HOOD FAN (IHF) COLLAR WITH UL LISTED FIRE DAMPER 6"X6"
10. 8" ROUND IHF SUPPLY DUCT (SHIPPED LOOSE FOR SA OPTION A)
13. INTERNAL HOOD FAN W/SPEED CONTROL

ELECTRICAL SCHEDULE

CIRCUIT	DESCRIPTION	DET. PHASE	AMPS	FEED FROM

CB: CIRCUIT BREAKER FOR ELECTRICAL CONNECTION

IF AN ELECTRICAL PANEL IS NOT SHOWN FOR THE HOODS IS INCLUDED, THE ABOVE SCHEDULE IS NOT VALID. REFER TO DEMANDAIRE DRAWINGS.

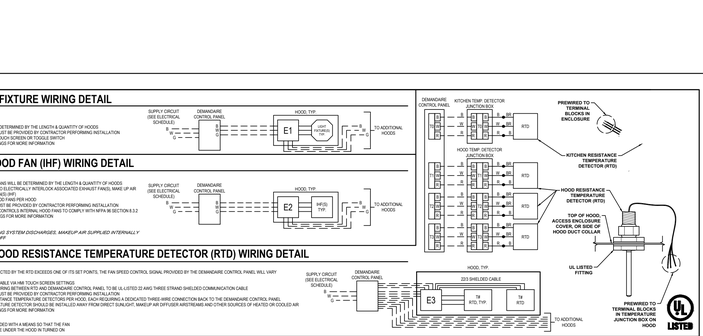
DEMANDAIRE DRAWINGS

ELECTRICAL LEGEND

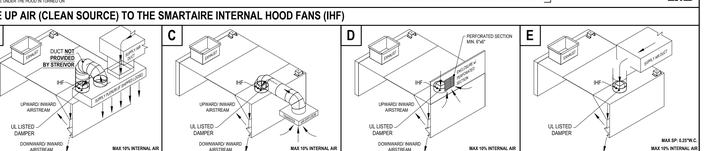
STREIVOR FACTORY WIRING
FIELD WIRING NOT PROVIDED BY STREIVOR
E1 HOOD LIGHT(S) JUNCTION BOX SEE DETAIL E1
E2 INTERNAL HOOD FAN(S) JUNCTION BOX SEE DETAIL E2
E3 TEMPERATURE DETECTOR(S) JUNCTION BOX SEE DETAIL E3

NOTE: FACTORY INSTALLATION OF JUNCTION BOXES MAY DIFFER FROM LOCATION ON DRAWINGS

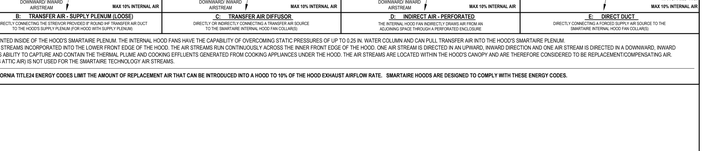
E1 HOOD LIGHT FIXTURE WIRING DETAIL



E2 INTERNAL HOOD FAN (IHF) WIRING DETAIL



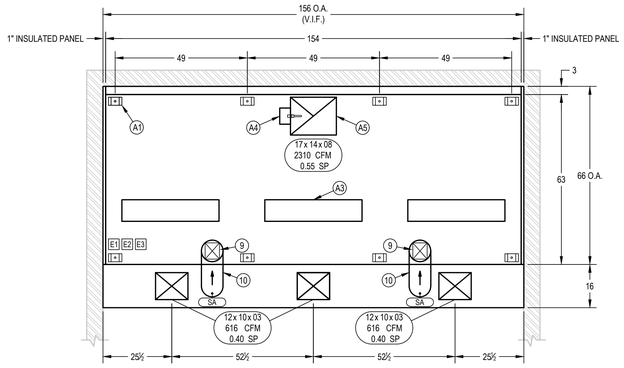
E3 KITCHEN & HOOD RESISTANCE TEMPERATURE DETECTOR (RTD) WIRING DETAIL



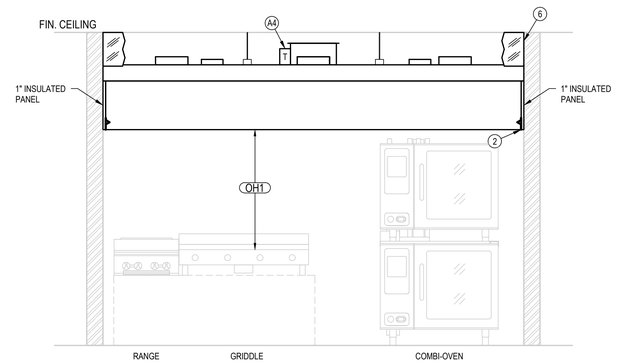
SA OPTIONS FOR SUPPLYING MAKE UP AIR (CLEAN SOURCE) TO THE SMARTAIRE INTERNAL HOOD FANS (IHF)

STREIVOR'S SMARTAIRE HOOD MODEL (SAWCBD) HAS INTERNAL HOOD FANS MOUNTED INSIDE OF THE HOOD'S SMARTAIRE PLENUM. THE INTERNAL HOOD FANS HAVE THE CAPABILITY OF OVERCOMING STATIC PRESSURES OF UP TO 0.25 IN. WATER COLUMN AND CAN PULL TRANSFER AIR INTO THE HOOD'S SMARTAIRE PLENUM. THE SMARTAIRE TECHNOLOGY INCLUDES TWO LOW-VOLUME, HIGH-VELOCITY AIR STREAMS INCORPORATED INTO THE LOWER FRONT EDGE OF THE HOOD. THE AIR STREAMS RUN CONTINUOUSLY ACROSS THE INNER FRONT EDGE OF THE HOOD. ONE AIR STREAM IS DIRECTED IN AN UPWARD, INWARD DIRECTION AND ONE AIR STREAM IS DIRECTED IN A DOWNWARD, INWARD DIRECTION. THE SMARTAIRE TECHNOLOGY SIGNIFICANTLY IMPROVES THE HOOD'S ABILITY TO CAPTURE AND CONTAIN THE THERMAL PLUME AND COOKING EFFLUENTS GENERATED FROM COOKING APPLIANCES UNDER THE HOOD. THE AIR STREAMS ARE LOCATED WITHIN THE HOOD'S CANOPY AND ARE THEREFORE CONSIDERED TO BE REPLACEMENT/COMPENSATING AIR. EFFORTS SHOULD BE TAKEN TO ENSURE THAT UNCLEAN TRANSFER AIR (SUCH AS ATTIC AIR) IS NOT USED FOR THE SMARTAIRE TECHNOLOGY AIR STREAMS.

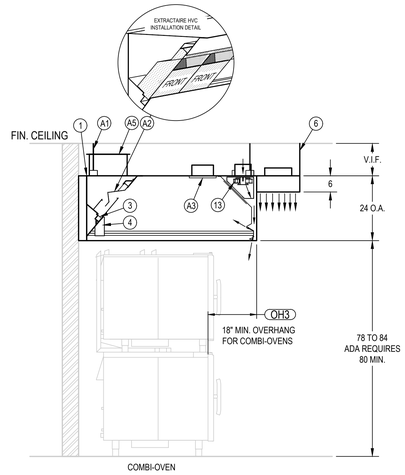
ASHRAE/ANSI 90.1 AND CALIFORNIA TITLE24 ENERGY CODES LIMIT THE AMOUNT OF REPLACEMENT AIR THAT CAN BE INTRODUCED INTO A HOOD TO 10% OF THE HOOD EXHAUST AIRFLOW RATE. SMARTAIRE HOODS ARE DESIGNED TO COMPLY WITH THESE ENERGY CODES.



HOOD #109
PLAN VIEW



HOOD #109
ELEVATION VIEW



HOOD #109
SECTION VIEW

PURCHASING CUSTOMER EXHAUST COLLAR APPROVAL

OPTIONS

☐ SHIP COLLAR LOOSE (THE PURCHASER ACCEPTS THE OBLIGATION AND COST OF CUTTING/WELDING COLLAR)
☐ WELD COLLAR TO HOOD (DIMENSIONS REQUIRED)

PURCHASING CUSTOMER DRAWING APPROVAL

THIS DRAWING MUST BE REVIEWED, SIGNED & RETURNED BY THE PURCHASING CUSTOMER TO STREIVOR AIR SYSTEMS PRIOR TO THE START OF FABRICATION.

VERIFY THE FOLLOWING:
1. ALL DIMENSIONAL INFORMATION, MOUNTING LOCATIONS & CLEARANCES.
2. THE LOCATION & TYPE OF COOKING EQUIPMENT.

APPROVED FOR FABRICATION

☐ APPROVED ☐ APPROVED AS NOTED
☐ REVISE & RESUBMIT

APPROVED BY _____ DATE _____

NOTE TO REVIEWER:
ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY AFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, A RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED.

PRE - INSTALLATION

OBTAIN, READ AND UNDERSTAND STREIVOR'S HOOD INSTALLATION, OPERATION AND MAINTENANCE MANUAL PRIOR TO INSTALLATION, STARTUP OR BALANCING.

INSTALLATION

ALL INSTALLATION, STARTUP AND BALANCING MUST BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH ALL APPLICABLE PREVAILING CODES AND STANDARDS.
STANDARD NFPA 96 HOOD CLEARANCES
0" TO NON-COMBUSTIBLE MATERIALS
3" TO LIMITED-COMBUSTIBLE MATERIALS
18" TO COMBUSTIBLE MATERIAL
OVERHEAD CLEARANCES
12" CLEARANCE IS REQUIRED ABOVE THE HOOD
REDUCED CLEARANCES
REDUCED CLEARANCES MAY BE AVAILABLE. CONSULT FACTORY FOR REDUCED CLEARANCE OPTIONS.
TEST AND BALANCE
THE SPECIFIED EXHAUST CFMS LISTED ON THIS DRAWING MUST BE MET DURING TEST AND BALANCE OF THE HOOD SYSTEM(S).
VARIANCE EXHAUST = -0% +10%
VARIANCE SUPPLY = -10% +0%

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- CERTIFICATIONS
- DATA SHEETS & MEDIA

PROJECT:
NORTHERN NEVADA CORRECTIONAL CENTER

--- -- -----
THE MARSHALL ASSOCIATES

HOOD #:	109
DATE:	09/08/2026
DRAWN BY:	GRD
CHECKED BY:	PJK
SPECIFIER:	THE MARSHALL ASSOCIATES
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1'-0"

IF BAR DOES NOT MEASURE 3" THIS DRAWING IS NOT PLOTTED TO SCALE

	DESCRIPTION	DATE	INT
1	---	--/--/--	---
2	---	--/--/--	---
3	---	--/--/--	---
4	---	--/--/--	---
5	---	--/--/--	---

DRAWING:
H-01
SHEET 01 OF 05

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule		
#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - EXHAUST HOOD ITEM 109

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.24

6/18/2026 12:55:04 PM

LISTINGS & STANDARDS

THIS WET CHEMICAL EXTINGUISHING SYSTEM IS ENGINEERED TO PROVIDE FIRE PROTECTION FOR RESTAURANT HOODS, DUCTS AND COOKING APPLIANCES. IS **UL 300** LISTED AND IS TO BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

- NFPA 17A 2024 EDITION
- NFPA 10 2022 EDITION
- NFPA 96 2024 EDITION

SECTIONS & CODES

NFPA 10 2022 EDITION

(6.6.2) MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 30 FT (9.1 M) FROM THE HAZARD TO THE EXTINGUISHER(S)

NFPA 17A 2024 EDITION

(5.2.1.10.1) EACH MANUAL ACTUATION DEVICE SHALL BE INSTALLED NO MORE THAN 48 IN. (1200 MM) AND NO LESS THAN 42 IN. (1067 MM) ABOVE THE FLOOR.

NFPA 96 2024 EDITION

(8.2.3.1) A HOOD EXHAUST FAN(S) SHALL CONTINUE TO OPERATE AFTER THE EXTINGUISHING SYSTEM HAS BEEN ACTIVATED UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE DESIGN OF THE EXTINGUISHING SYSTEM.

(8.2.3.2) THE HOOD EXHAUST FAN SHALL START UPON ACTIVATION OF THE EXTINGUISHING SYSTEM IF THE EXHAUST FAN AND ALL COOKING EQUIPMENT SERVED BY THE FAN HAVE BEEN SHUT DOWN, UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE LISTING OF THE EXTINGUISHING SYSTEM.

(8.3.2) WHEN THE FIRE-EXTINGUISHING SYSTEM ACTIVATES, MAKEUP AIR SUPPLIED INTERNALLY TO A HOOD SHALL BE SHUT OFF.

(10.4.1) UPON ACTIVATION OF ANY FIRE EXTINGUISHING SYSTEM FOR A COOKING OPERATION, ALL SOURCES OF FUEL AND ELECTRICAL POWER THAT PRODUCE HEAT TO ALL EQUIPMENT REQUIRING PROTECTION BY THAT SYSTEM SHALL AUTOMATICALLY SHUT OFF.

(10.4.3) GAS APPLIANCE NOT REQUIRING PROTECTION BUT LOCATED UNDER VENTILATING EQUIPMENT WHERE PROTECTED APPLIANCES ARE LOCATED SHALL BE AUTOMATICALLY SHUT OFF UPON ACTIVATION OF THE EXTINGUISHING SYSTEM

(10.4.4) SHUTOFF DEVICE SHALL REQUIRE MANUAL RESETTING PRIOR TO FUEL / POWER BEING RESTORED

(10.5.1.1) AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

(10.5.1.2) THE MANUAL ACTUATION DEVICE SHALL CLEARLY IDENTIFY THE HAZARD PROTECTED.

CMC 2022 EDITION

(513.5) ALL SYSTEMS SHALL HAVE BOTH AUTOMATIC AND MANUAL METHODS OF ACTUATION. AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

INSTALLATION REQUIREMENTS

1. ALL PIPE SHALL BE SCHEDULE 40 BLACK IRON. CHROME PLATED/SLEEVED WHERE EXPOSED.
2. ALL CYLINDER SYSTEMS SHALL HAVE 3/8" SUPPLY LINES AND 3/8" BRANCH LINES.
3. ALL WIRE ROPE SHALL BE 1/16" STAINLESS STEEL AND RUN THROUGH 1/2" EMT CONDUIT.
4. U.L. LISTED CORNER PULLEYS REQUIRED WHENEVER THE STAINLESS STEEL CABLE DIRECTION CHANGES.
5. ALL EQUIPMENT WITH FIRE PROTECTION MUST BE SECURED TO FLOOR. (NOT BY STREIVOR)
6. SWIVEL ADAPTERS MAY BE ADDED TO NOZZLES FOR UP TO 30° ROTATION.

SYSTEM #1

PAGE NUMBERS REFERENCED FROM THE ANSUL R-102 FIRE SUPPRESSION SYSTEM TECHNICAL MANUAL

CABLE/LINE LIMITATIONS - AUTOMAN A

		LENGTH		PULLEYS	BRACKETS
FUSIBLE LINK (pg. 4-71)	MAXIMUM	150.00	FT	20	15
	ALLOTTED	21.00	FT	3	3 *
PULL STATION - A (pg. 4-73)	MAXIMUM	150.00	FT	20	N/A
	ALLOTTED	28.00	FT	2	N/A
GAS VALVE(S) (pg. 4-74)	MAXIMUM	150.00	FT	20	N/A
	ALLOTTED	--.--	FT	--	N/A
GAS CARTRIDGE(S) (pg. 4-61)	MODEL	LT-30-R		--	--
	PART NUMBER	423435		--	--

CYLINDER #1

COVERAGE DESCRIPTION	NOZZLE	QTY.	FLOW POINTS	PAGE
DUCT	2W	1	2	4-1
PLENUM	1N	2	2	4-5
GRIDDLE	260	1	2	4-19
RANGE	245	1	2	4-14

MODEL	FLOW POINTS	FIRST TO LAST
3 GALLON	8 ALLOTTED	8 FT

DUCT	PLENUM	EQUIP.	SUPPLY
4 FT	1 FT	3 FT	19 FT
MAX: 8 FT	MAX: 4 FT	MAX: 12 FT	MAX: 40 FT

CYLINDER/PIPING LIMITATIONS

CYLINDER	FLOW POINTS	TOTAL LENGTH OF ALL BRANCH LINES	LENGTH BETWEEN FIRST TO LAST BRANCH
1.5 GALLON	5	22 FT	8 FT
3.0 GALLON	11	36 FT	24 FT

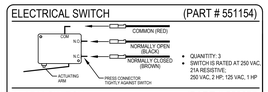
** CALCULATIONS BASED ON 3/8" PIPE (SEE PG. 4-67)

LEGEND

- STREIVOR FACTORY PIPING
- FIELD PIPING
- DETECTOR BRACKET (FRONT VIEW)
- DETECTOR BRACKET (PLAN VIEW)
- NOZZLE COVERAGE
- 7W 100 — DUCT NOZZLE MAX PERIMETER
- 1N 120 — PLENUM NOZZLE MAX PLENUM LENGTH
- 1N 40 30 — APPLIANCE NOZZLE AND HEIGHT
- 1X — DOWNWARD FACING NOZZLE
- 1X — ANGLED NOZZLE AND TARGET LOCATION

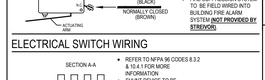
MECHANICAL AUTOMAN (PART #79493) & ELECTRICAL WIRING

ELECTRICAL SWITCH (PART # 551154)



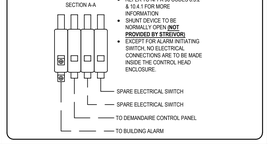
- QUANTITY: 3
- SWITCH IS RATED AT 250 VAC, 21A RESISTIVE; 250 VAC, 2 HP; 125 VAC, 1 HP

ALARM SWITCH (PART # 550077)

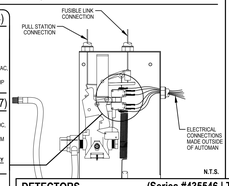


- QUANTITY: 1
- SWITCH IS RATED AT 28 VDC, 50 mA
- FIRE SUPPRESSION SYSTEM TO BE FIELD WIRED INTO BUILDING FIRE ALARM SYSTEM **NOT PROVIDED BY STREIVOR**

ELECTRICAL SWITCH WIRING

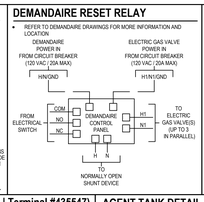


- REFER TO NFPA 96 CODES 8.3.2 & 10.4.1 FOR MORE INFORMATION
- SHUNT DEVICE TO BE NORMALLY OPEN **(NOT PROVIDED BY STREIVOR)**
- EXCEPT FOR ALARM INITIATING SWITCH, NO ELECTRICAL CONNECTIONS ARE TO BE MADE INSIDE THE CONTROL HEAD ENCLOSURE.



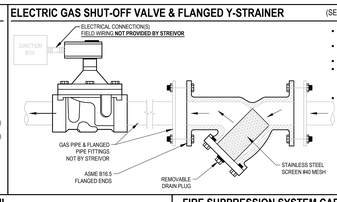
DEMANDAIRE RESET RELAY

- REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION AND LOCATION



ELECTRIC GAS SHUT-OFF VALVE & FLANGED Y-STRAINER

(SEE MEP DRAWINGS FOR LOCATION)

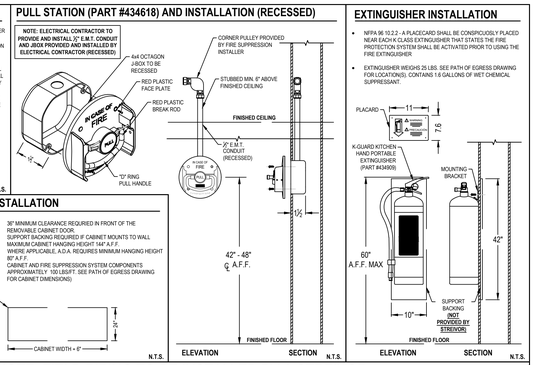


- GAS SHUT-OFF VALVE(S) TO BE SIZED AND LOCATED PER MEP DRAWINGS **(MAXIMUM VALVE SIZE: 3" NPT)**
- VALVE(S) AND STRAINERS TO BE INSTALLED BY DIVISION 22 (PLUMBING)
- VALVE REQUIRES SEPARATE 120VAC/1, 16A CIRCUIT
- ACTIVATION OF THE FIRE EXTINGUISHING SYSTEM WILL SHUT OFF THE VALVE PREVENTING GAS FLOW AND WILL REMAIN CLOSED UNTIL THE RESET RELAY IS MANUALLY PRESSED.
- Y-STRAINER REQUIRED FOR THE PROTECTION OF THE GAS VALVE. INSTALL A Y-STRAINER ON THE INLET SIDE OF THE GAS VALVE (AS CLOSE AS POSSIBLE).

Y-STRAINER NOT PROVIDED BY STREIVOR UNLESS SPECIFICALLY INCLUDED IN PURCHASE ORDER.

PULL STATION (PART #434618) AND INSTALLATION (RECESSED)

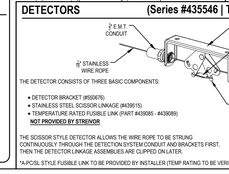
NOTE: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 2" E.M.T. CONDUIT AND J-BOX PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR (RECESSED)



EXTINGUISHER INSTALLATION

- NFPA 96 10.2.2 - A PLACECARD SHALL BE CONSPICUOUSLY PLACED NEAR EACH K CLASS EXTINGUISHER THAT STATES THE FIRE PROTECTION SYSTEM SHALL BE ACTIVATED PRIOR TO USING THE FIRE EXTINGUISHER
- EXTINGUISHER WEIGHS 25 LBS. SEE PATH OF EGRESS DRAWING FOR LOCATION(S). CONTAINS 1.6 GALLONS OF WET CHEMICAL SUPPRESSANT.

DETECTORS (Series #435546 | Terminal #435547)



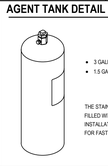
THE DETECTOR CONSISTS OF THREE BASIC COMPONENTS:

- DETECTOR BRACKET (#550578)
- STAINLESS STEEL SCISSOR LINKAGE (#439515)
- TEMPERATURE RATED FUSIBLE LINK (PART #439085 - #439089) **NOT PROVIDED BY STREIVOR**

THE SCISSOR STYLE DETECTOR ALLOWS THE WIRE ROPE TO BE STRUNG CONTINUOUSLY THROUGH THE DETECTION SYSTEM CONDUIT AND BRACKETS FIRST, THEN THE DETECTOR LINKAGE ASSEMBLIES ARE CLIPPED ON LATER.

*A-PC/SL STYLE FUSIBLE LINK TO BE PROVIDED BY INSTALLER (TEMP RATING TO BE VERIFIED AND DETERMINED IN FIELD)

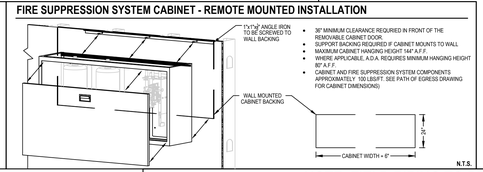
AGENT TANK DETAIL



- 3 GALLON SHIPPING WEIGHT 7 LB (3.2KG) - PART #429862
- 1.5 GALLON SHIPPING WEIGHT 5 LB (2.3KG) - PART #429864

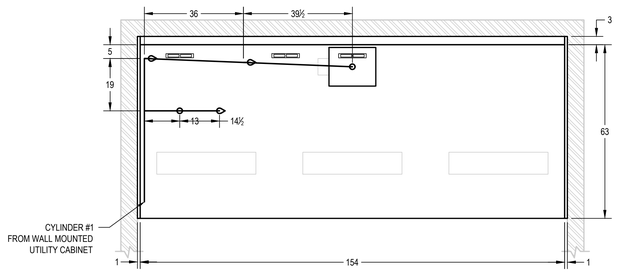
THE STAINLESS STEEL TANK IS SHIPPED UNCHARGED AND MUST BE FILLED WITH ONLY ANSULEX LOW PH LIQUID FIRE SUPPRESSANT DURING INSTALLATION. ANSULEX IS A POTASSIUM-BASED SOLUTION DESIGNED FOR FAST KNOCK-DOWN AND SUPPRESSION OF GREASE-RELATED FIRES.

FIRE SUPPRESSION SYSTEM CABINET - REMOTE MOUNTED INSTALLATION

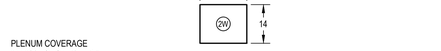


- 36" MINIMUM CLEARANCE REQUIRED IN FRONT OF THE REMOVABLE CABINET DOOR.
- SUPPORT BACKING REQUIRED IF CABINET MOUNTS TO WALL
- MAXIMUM CABINET HANGING HEIGHT 144" A.F.F.
- WHERE APPLICABLE, A.D.A. REQUIRES MINIMUM HANGING HEIGHT 80" A.F.F.
- CABINET AND FIRE SUPPRESSION SYSTEM COMPONENTS APPROXIMATELY 100 LBS/FT. SEE PATH OF EGRESS DRAWING FOR CABINET DIMENSIONS)

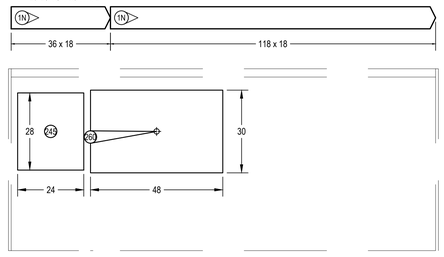
SYSTEM #1 : HOOD #109



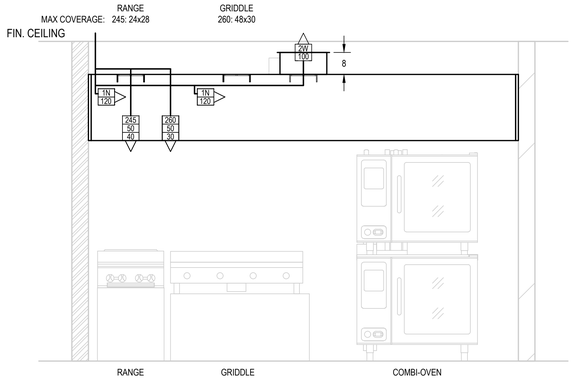
DUCT NOZZLE COVERAGE
2W: 100 PERIMETER



PLENUM COVERAGE
1N: 120 LONG x 48 WIDE



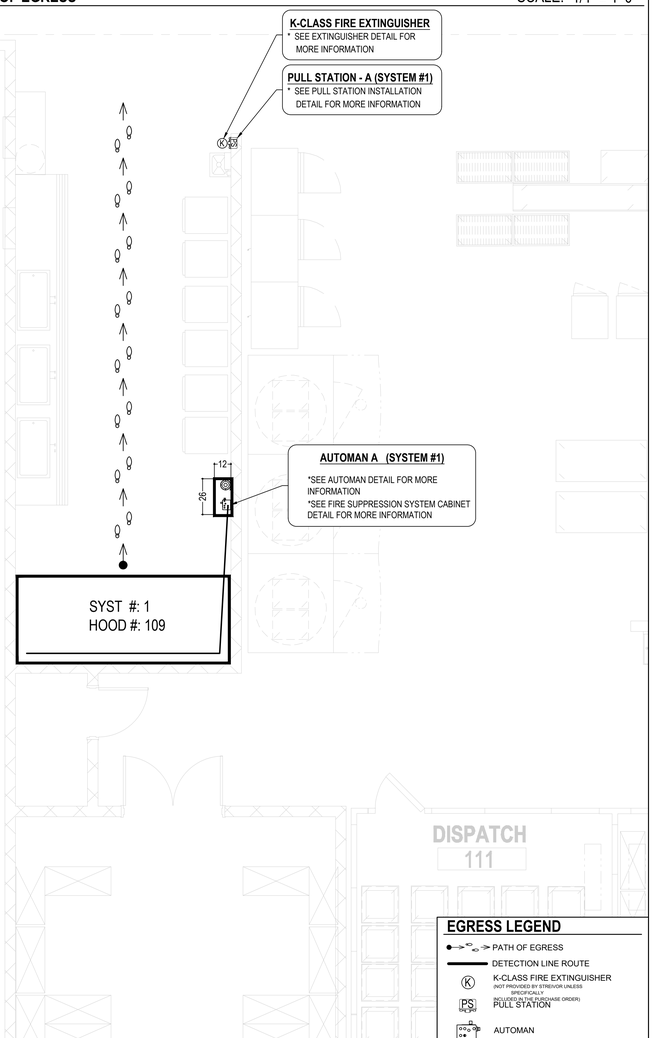
RANGE
MAX COVERAGE: 245: 24x28
GRIDDLE
260: 48x30



NOTE: FIELD PIPING TO BE INSTALLED BY A STREIVOR APPOINTED CERTIFIED & LICENSED FIRE SUPPRESSION INSTALLER

PATH OF EGRESS

SCALE: 1/4" = 1'-0"



EGRESS LEGEND

- PATH OF EGRESS
- DETECTION LINE ROUTE
- K — K-CLASS FIRE EXTINGUISHER (NOT PROVIDED BY STREIVOR UNLESS SPECIFICALLY INCLUDED IN PURCHASE ORDER)
- PS PULL STATION
- AUTOMAN
- GV — GAS SHUT-OFF VALVE (SIZE AND LOCATION PER MEP DRAWINGS)

CUSTOMER APPROVAL

COOKING EQUIPMENT VERIFICATION

VERIFY THE FOLLOWING:

HIGH BACK SHELVES	YES ☐	NO ☐
RANGE COOKING SURFACE DEPTH GREATER THAN 28"	YES ☐	NO ☐
PULL STATION LOCATION(S)	YES ☐	NO ☐
UTILITY CABINET LOCATION(S)	YES ☐	NO ☐
AGENT DISTRIBUTION HOSE AND RESTRAINING CABLE KIT	YES ☐	NO ☐
CEILING HEIGHT	____'-____"	

APPROVED BY _____ DATE _____

NOTE TO REVIEWER:

ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY EFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, A RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED. ADDITIONAL SITE VISIT FOR FIRE SUPPRESSION PRE-TEST IS NOT INCLUDED UNLESS SPECIFICALLY LISTED IN QUOTE.

GENERAL NOTES:

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC. (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY DEVIATIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT STAND ANY EXPENSE FOR CHANGES MADE NECESSARY DUE TO LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR. BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

STREIVOR™ AIR SYSTEMS

"STRIVING FOR EXCELLENCE"

2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9080 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- CERTIFICATIONS
- REFERENCES AND MEDIA

PROJECT:

NORTHERN NEVADA CORRECTIONAL CENTER

1721 SNYDER AVE.
CARSON CITY, NV 89701

THE MARSHALL ASSOCIATES

ITEM #:	108
SYSTEM #:	1
HOOD #:	109
DATE:	09/08/2026
DRAWN BY:	SWB
CHECKED BY:	KCS
CONSULTANT:	THE MARSHALL ASSOCIATES
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1' - 0"

IF BAR DOES NOT MEASURE 1" THIS DRAWING IS NOT PLOTTED TO SCALE

	DESCRIPTION	DATE	INT
1	---	--/--/--	---
2	---	--/--/--	---
3	---	--/--/--	---
4	---	--/--/--	---
5	---	--/--/--	---

DRAWING:

F-01

SHEET 01 OF 05

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VanWoert Bigotti architects

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reno, nevada 89502
p: 775.328.1010
f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - FIRE SUPPRESSION ITEM 108

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.25

6/18/2026 12:55:04 PM

GENERAL NOTES

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC. (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

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PRE-INSTALLATION

OBTAIN, READ AND UNDERSTAND STREIVOR'S DEMANDAIRE INSTALLATION, OPERATION AND MAINTENANCE MANUAL PRIOR TO INSTALLATION, OR STARTUP OR BALANCING.

INSTALLATION

ALL INSTALLATION AND STARTUP MUST BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH ALL APPLICABLE PREVAILING CODES AND STANDARDS

WIRING NOTES

1. FIELD WIRING TERMINALS USE COPPER WIRE ONLY
2. WIRE MUST BE RATED UP TO 600V
3. WIRE TEMPERATURE RATING 60° C MIN
4. LARGE TERMINAL BLOCK TIGHTENING TORQUE 1.5 - 1.8 (NM)
5. SMALL TERMINAL BLOCK TIGHTENING TORQUE 0.6 - 0.8 (NM)
6. SHIELDS OF SHIELDED CABLES MUST BE GROUNDED ON ONE SIDE

COMMISSIONING NOTES

IF COMMISSIONING IS INCLUDED, STREIVOR'S DEMANDAIRE PRE-COMMISSIONING CHECKLIST MUST BE SIGNED AND RETURNED BY THE CUSTOMER A MINIMUM OF **15 CALENDAR DAYS** PRIOR TO THE REQUESTED COMMISSIONING DATE TO AVOID INCURRING ADDITIONAL TRAVEL AND/OR EXPEDITING COSTS

HOOD SCHEDULE

HOOD	GROUP	SUPPLY FAN	EXHAUST FAN	FSS#
109	---	SF-X	EF-X	1
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---

REFER TO HOOD DRAWINGS FOR HOOD DETAILS

ELECTRICAL SCHEDULE

CIRCUIT DESCRIPTION	HP	V/Ø	AMPS	FEED
CONTROL PANEL	---	120/1	16	CB
GAS VALVE	---	120/1	16	CB
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---

CB: CIRCUIT BREAKER BY ELECTRICAL CONTRACTOR

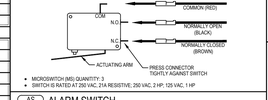
ELECTRICAL ROUGH-IN SCHEDULE

ITEM	DETAIL	ROUGH-IN REQUIREMENTS	ELECTRICAL CONDUIT
DEMANDAIRE CONTROL PANEL	DCP	14 1/4" X 16 1/4" I.D. FRAMED OPENING	120 VAC, 24 VDC, 4-20 mA
---	---	---	---
---	---	---	---

ELECTRICAL CONTRACTOR TO VERIFY ROUGH-IN LOCATION AND ELECTRICAL REQUIREMENTS

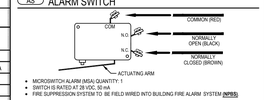
UL LISTED
STD 508A

ES ELECTRIC SWITCH



- MICROSWITCH (MS) QUANTITY: 3
- SWITCH IS RATED AT 250 VAC, 21A RESISTIVE; 250 VAC, 2 HP; 125 VAC, 1 HP

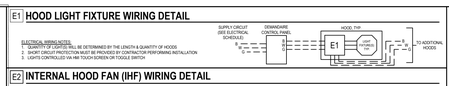
AS ALARM SWITCH



- MICROSWITCH ALARM (MSA) QUANTITY: 1
- SWITCH IS RATED AT 28 VDC, 50 mA
- FIRE SUPPRESSION SYSTEM TO BE FIELD WIRED INTO BUILDING FIRE ALARM SYSTEM **(NPBS)**.

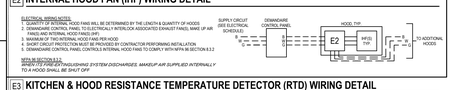
ELECTRICALARM SWITCH COMPONENTS AND FUNCTIONALITY PROVIDED AS PART OF THE FIRE SUPPRESSION SYSTEM

E1 HOOD LIGHT FIXTURE WIRING DETAIL



ELECTRICAL WIRING NOTES:
1. QUANTITY OF LIGHTS(S) WILL BE DETERMINED BY THE LENGTH & QUANTITY OF HOODS
2. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
3. LIGHTS CONTROLLED VIA HMI TOUCH SCREEN OR TOGGLE SWITCH

E2 INTERNAL HOOD FAN (IHF) WIRING DETAIL



ELECTRICAL WIRING NOTES:
1. QUANTITY OF INTERNAL HOOD FANS WILL BE DETERMINED BY THE LENGTH & QUANTITY OF HOODS
2. DEMANDAIRE CONTROL PANEL TO ELECTRICALLY INTERLOCK ASSOCIATED EXHAUST PANEL MAKE UP AIR FANS AND INTERNAL HOOD FANS (IHF)
3. MAXIMUM OF TWO INTERNAL HOOD FANS PER HOOD
4. IHF'S TO BE PROVIDED WITH VFD'S BY MECHANICAL CONTRACTOR PERFORMING INSTALLATION
5. DEMANDAIRE CONTROL PANEL CONTROLS INTERNAL HOOD FANS TO COMPLY WITH NFPA 96 SECTION 8.3.2

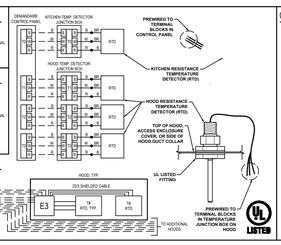
NFPA 96 SECTION 8.3.2:
GREASE EXTRACTION SYSTEM INTERLOCKED SYSTEM DISCHARGES. MAKEUP AIR SUPPLIED INTERNALLY TO A HOOD SHALL BE SHUT OFF

E3 KITCHEN & HOOD RESISTANCE TEMPERATURE DETECTOR (RTD) WIRING DETAIL

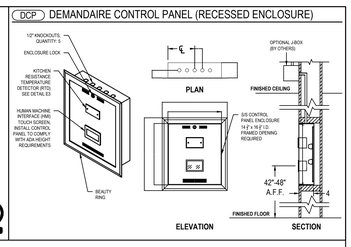


ELECTRICAL WIRING NOTES:
1. QUANTITY OF TEMPERATURE DETECTED BY THE RTD EXCEEDS ONE OF ITS SET POINTS, THE FAN SPEED CONTROL SIGNAL PROVIDED BY THE DEMANDAIRE CONTROL PANEL WILL VARY ACCORDINGLY
2. EACH RTD SET POINT IS ADJUSTABLE VIA HMI TOUCH SCREEN SETTINGS
3. STREIVOR RECOMMENDS ALL WIRING BETWEEN RTD AND DEMANDAIRE CONTROL PANEL TO BE UL LISTED 22 AWG THREE STRAND SHIELDED COMMUNICATION CABLE
4. RTD'S TO BE PROVIDED WITH VFD'S BY MECHANICAL CONTRACTOR PERFORMING INSTALLATION
5. UP TO EIGHT PRE-WIRED RESISTANCE TEMPERATURE DETECTORS PER HOOD, EACH REQUIRING A DEDICATED THREE-WIRE CONNECTION BACK TO THE DEMANDAIRE CONTROL PANEL
6. KITCHEN RESISTANCE TEMPERATURE DETECTOR SHOULD BE INSTALLED AWAY FROM DIRECT SUNLIGHT, MAKEUP AIR DIFFUSER AIRSTREAMS AND OTHER SOURCES OF HEATED OR COOLED AIR.

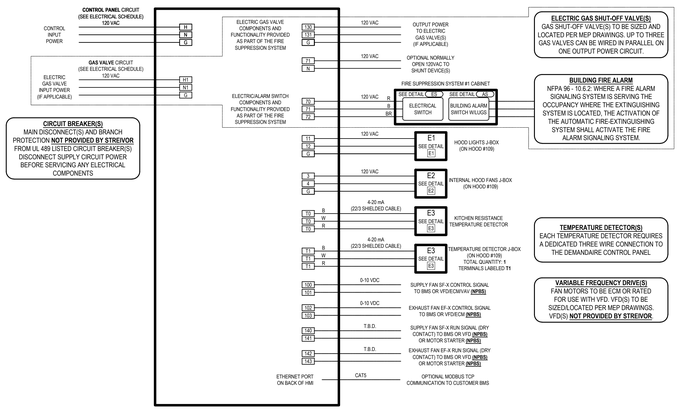
NFPA 96 SECTION 8.3.3.3:
THE EXHAUST FAN SHALL BE PROVIDED WITH A MEANS SO THAT THE FAN IS ACTIVATED WHEN ANY APPLIANCE UNDER THE HOOD IN TURNED ON



DCP DEMANDAIRE CONTROL PANEL (RECESSED ENCLOSURE)



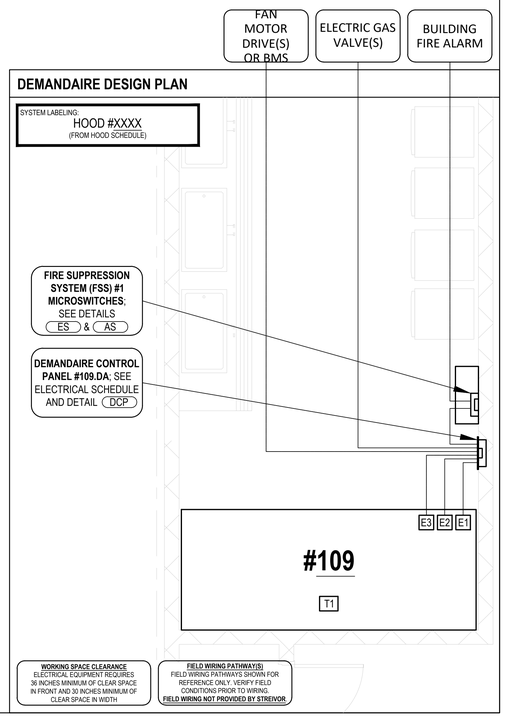
DEMANDAIRE SILVER CONTROL PANEL WIRING DIAGRAM #109.DA



LEGEND (WIRING DIAGRAM & DESIGN PLAN)

- ——— STREIVOR FACTORY WIRING
- — - — VOLTAGE T.B.D. FIELD WIRING **(NPBS)**
- – – – – 120/1 VAC FIELD WIRING **(NPBS)**
- — – — LOW VOLTAGE FIELD WIRING **(NPBS)**
- E1 HOOD LIGHT(S) JUNCTION BOX — SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E1
- E2 INTERNAL HOOD FAN(S) JUNCTION BOX — SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E2
- E3 TEMPERATURE DETECTOR(S) JUNCTION BOX — SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E3
- T# RESISTANCE TEMPERATURE DETECTOR(S) SEE DEMANDAIRE DESIGN PLAN
- VFD VARIABLE FREQUENCY DRIVE
- BMS BUILDING MANAGEMENT SYSTEM
- **NPBS** NOT PROVIDED BY STREIVOR

DEMANDAIRE DESIGN PLAN



DRAWING APPROVAL

THIS DRAWING MUST BE REVIEWED, SIGNED & RETURNED TO STREIVOR AIR SYSTEMS PRIOR TO THE START OF FABRICATION.

VERIFY THE FOLLOWING:

1. ALL DIMENSIONAL INFORMATION, MOUNTING LOCATIONS & CLEARANCES.
2. FAN HORSEPOWER, VOLTAGE & PHASE (IF VFDS OR MOTOR STARTERS ARE PROVIDED BY STREIVOR)

APPROVED FOR FABRICATION

- ☐ APPROVED
- ☐ APPROVED AS NOTED
- ☐ REVISE & RESUBMIT

APPROVED BY _____ DATE _____

NOTE TO REVIEWER:
ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY AFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, AS RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED.

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- SEQUENCE OF OPERATION
- CERTIFICATIONS AND MEDIA

PROJECT:
NORTHER NEVADA CORRECTIONAL CENTER
1721 SNYDER AVE.
CARSON CITY, NV 89701

THE MARSHALL ASSOCIATES

SHORT CIRCUIT CURRENT RATING - 5KA RMS, 120V MAX
VERIFY JOB SITE REQUIREMENTS

SERIAL NO.	DA--------
CONTROL PANEL NO.	---
C.P. ENCLOSURE NO.	---
HMI ENCLOSURE NO.	---
ITEM #:	109.DA
MODEL:	SILVER
DATE:	09/03/26
DRAWN BY:	ADL
CHECKED BY:	PJK
CONSULTANT:	THE MARSHALL ASSOCIATES
SCALE:	N.T.S.

	DESCRIPTION	DATE	INT.
1	---	--/--/--	---
2	---	--/--/--	---
3	---	--/--/--	---
4	---	--/--/--	---
5	---	--/--/--	---

DRAWING:
DA-01
SHEET 01 OF 04

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1400 s. virginia st suite c
reno, nevada 89502
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f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

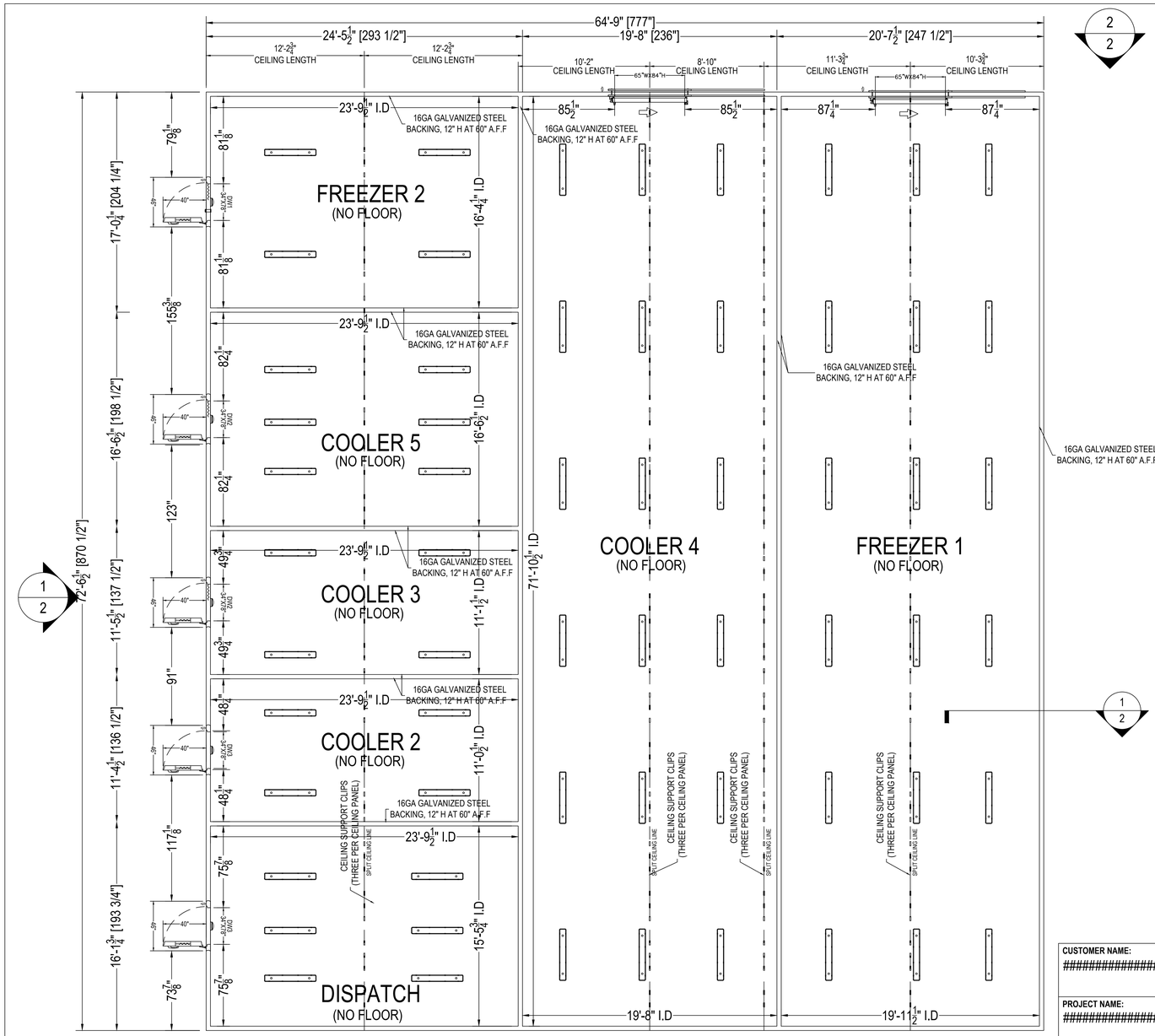
drawing title
FOODSERVICE MANUFACTURER DRAWINGS - DCKV SYSTEM FOR ITEM 109

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.26

6/18/2026 12:55:04 PM



1 PLAN VIEW

SCALE: 1/4"=1'-0"

NOTE: WALK-IN SITS ON GRADE LEVEL.
IF TILING CONTACT YOU SALES REP

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Intertek COMFORMS TO NSF STD 7

Intertek COMFORMS TO UL STD 471

EISA

Revisions:

No.	DATE & BY
1	##################
2	####
3	####
4	####
5	####
6	####

☐ APPROVED AS DRAWN

☐ RESUBMIT

SIGNED _____

DATE: _____

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CUSTOMER NAME:
##########

PROJECT NAME:
##########

DRAWN BY:	CHECKED BY:	P.O. #:	DRAWING NO.
#######	####	####	FS.27 FOODSERVICE WALK IN COOLERS FREEZERS
SCALE:	CREATED:	SHEET NO.	
As Shown	10/26/2026	LAYOUT1 OF #	

VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
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f. 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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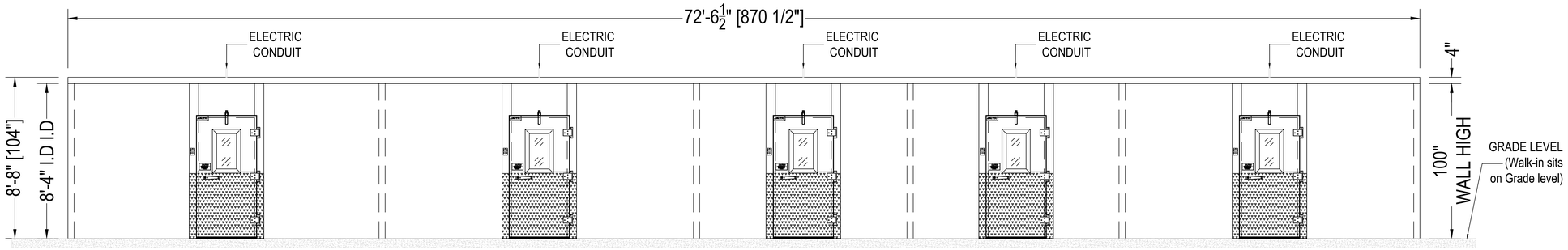
drawing title
FOODSERVICE
MFR DRAWINGS - WALK IN REFRIGERATORS/FREEZER

job number
25015

date
OCTOBER 27, 2026

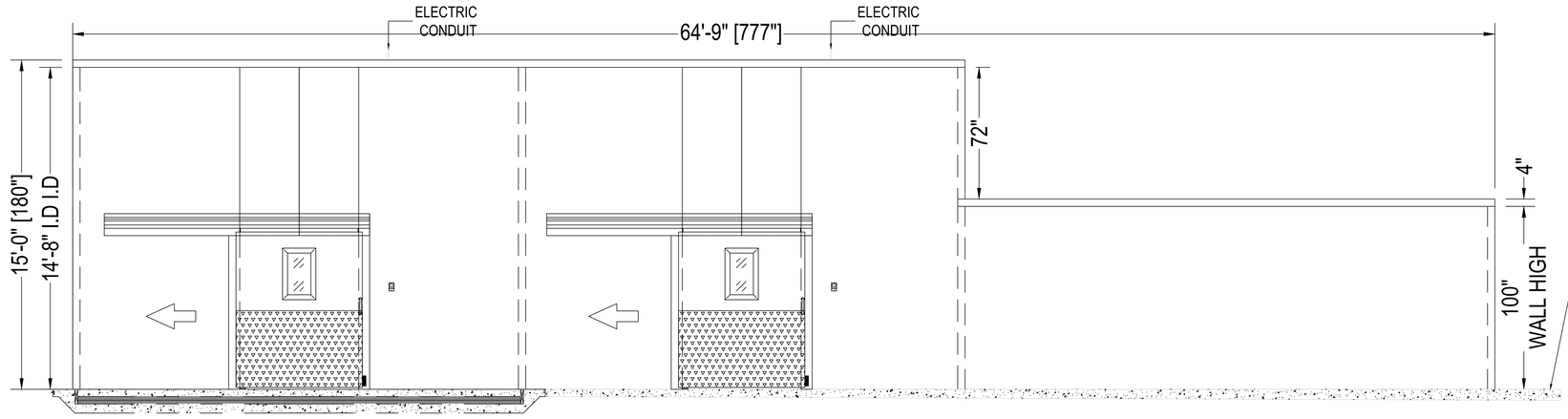
drawing number
FS.27

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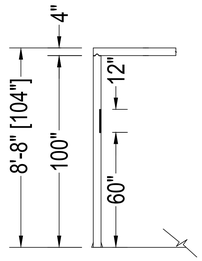
1 ELEVATION

SCALE: 3/8"=1'-0"



2 ELEVATION

SCALE: 3/8"=1'-0"



1 SECTION

SCALE: 3/8"=1'-0"

DISCLAIMER:

IT IS NOT RECOMMENDED A FREEZER WITHOUT FLOORS, UNLESS A MASS INSULATED FLOOR HAS BEEN PROPERLY PREPARED BY THE CUSTOMER.

ARCTIC STRONGLY RECOMMENDS AN INSULATED SLAB WITH PROPER THERMAL BARRIER FOR FLOORLESS FREEZER APPLICATIONS.

APPROVED AS DRAWN

RESUBMIT

SIGNED _____

DATE: _____

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Intertek COMFORMS TO NSF STD 7

Intertek COMFORMS TO UL STD 471

EISA

CUSTOMER NAME:
##########

PROJECT NAME:
##########

DRAWN BY:	CHECKED BY:	P.O. #:	DRAWING NO:
#######	####	####	FS.28 FOODSERVICE WALK IN COOLERS FREEZERS
SCALE:	CREATED:	SHEET NO.	
As Shown	10/26/2026	LAYOUT1 OF #	

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reno, nevada 89502
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f. 775.328.1020
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CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE
MFR DRAWINGS - WALK IN REFRIGERATORS/FREEZER

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.28

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PANEL CONSTRUCTION: TYPE II, CLASS I URETHANE CORE / FOAMED IN PLACE / URETHANE HARDRAIL PERIMETER, R-VALUE R28 FOR COOLER AND R32 FOR FREEZER.

PANEL FINISHES

INSULATION - WALL - 4" - C1 - 2.5"
WALL INTERIOR: ALUMINUM - .040" - STUCCO EMBOSSED - WHITE
WALL EXTERIOR: ACRYLUME OR G90 GALVANIZED - 26 GA - STUCCO EMBOSSED

INSULATION - CEILING - 4"
CEILING INTERIOR: ALUMINUM - .040" - STUCCO EMBOSSED - WHITE
CEILING EXTERIOR: ACRYLUME OR G90 GALVANIZED - 26 GA - STUCCO EMBOSSED

DOOR DESCRIPTION

FREEZER DOOR:
INTERIOR FINISH: ALUMINUM - .040" - STUCCO EMBOSSED - WHITE
EXTERIOR FINISH: STAINLESS STEEL 304 - 20 GA - #4 FINISH

COOLER DOOR:
INTERIOR FINISH: ALUMINUM - .040" - STUCCO EMBOSSED - WHITE
EXTERIOR FINISH: STAINLESS STEEL 304 - 20 GA - #4 FINISH

DOOR ACCESSORIES:

HINGE 1255 - CAM LIFT - BRUSHED CHROME (SPRING KIT ON TOP HINGE)
DOOR CLOSER 1094 – W/HOOK – BRUSHED CHROME
HANDLE 1229C - KEY LOCK - BRUSHED CHROME
ALUMINUM DIAMOND TREAD KICKPLATE – 42" HIGH – INT/EXT
VAPOR LIGHT - LED (1808NM) W/ 1802NLSAFETY NIGHT LIGHT
A/V ALARM MODULARM 75LC THERM/LIGHT SWITCH W/25' LEAD PROBE
ALARM, MODULARM, 75LC A/V, COMMUNICATOR, WIRELESS, SHIPPED LOOSE
A/V ALARM MODULARM 75LC: MAGNETIC DOOR CONTACTS [SHIPPED LOOSE]
ALARM, MODULARM, ACC A/V, IP-1 INSIDE PUSH BUTTON PANIC ALARM, INSTALLED
ALARM, MODULARM, 75LC A/V, WIRELESS MODULE, SHIPPED LOOSE
HEATED PRESSURE RELIEF PORT 1825 – 115V (DW1)
HEATER – DOOR FRAME (DW1)
THERMOSTAT – PEPI-B (DW1)
14" X 24" HEATED GLASS VISION PANEL, TRIPLE PANE
CONDUIT THROUGH TOP OF DOOR (PER DOOR)
THRESHOLD, DOORS, ALUMINUM
JAMB GUARDS, 42" HIGH, INT/EXT, ALUMINUM DIAMOND TREAD PLATE

WALK-IN ACCESSORIES

(60) - EA LIGHT, LED 4' FIXTURE, PRISON, TAMPER-RESISTANT [SHIPPED LOOSE]
(292) - FT CEILING CLIP, SUSPEND 4" PANEL, CLIPS END PANELS (hardware by others)
(5) - EA PRISON KIT, TAMPER PROOF SCREWS & TOOL, STAINLESS STEEL
(480) - SQ.FT 16GA GALVANIZED STEEL BACKING, 12" STRIP AT 60" A.F.F.

SEISMIC ANCHORING PROVISIONS

NOTE: SEE LAST PAGE FOR DETAILS

MIL-I-24172A(SH) TYPE II, CLASS I URETHANE CORE

	*U.L. 723 - UL Solutions
FLAME SPREAD:	20
SMOKE DEVELOPED:	140 - 300
THICKNESS:	6 IN. Thick Max

ASTM D-1929-91:

Min. Self-Ignition Temp.:	490C° (914F°)
Min. Flash-Ignition Temp.:	390C° (734F°)

GENERAL NOTES

REFRIGERATION BY OTHERS

FLOOR MUST BE LEVEL WITHIN 3/16" PER 10', SMOOTH, AND CLEAR OF OBSTRUCTIONS PRIOR TO INSTALLING WALK-IN PANELS.

A 2" MINIMUM GAP ALL AROUND WALK-IN IS REQUIRED FOR PROPER AIR CIRCULATION. HIGH HUMIDITY ENVIRONMENTS MAY REQUIRE FORCED VENTILATION IN GAP TO PREVENT CONDENSATION.

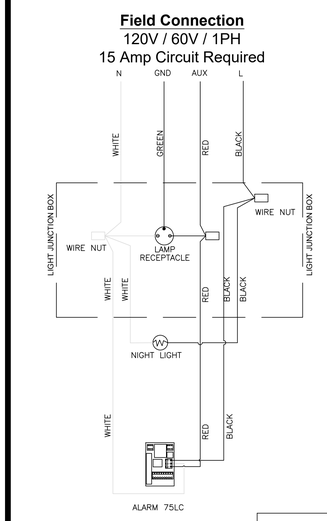
FLOOR PANELS (WHEN PROVIDED) ARE DESIGNED TO WITHSTAND SPECIFIC LOADS DEPENDING ON THE TYPE OF FLOORING. EACH TYPE OF FLOORING HAS A DIFFERENT LOAD LIMIT, WHICH MUST BE RESPECTED. DAMAGE CAUSED BY FORKLIFTS, PALLET JACKS, CARTS, OR ANY TYPE OF ROLLING TRAFFIC IS NOT COVERED UNDER WARRANTY.

STANDARD PANELS HAVE A STUCCO-EMBOSSED FINISH (TEXTURE) THAT HELPS REDUCE IRREGULARITIES IN THE PANEL SURFACE. ON REQUEST WE WILL PROVIDE A NON-TEXTURED (SMOOTH FINISH). SMOOTH FINISH PANELS TYPICALLY EXPERIENCE WRINKLING AND OTHER FLATNESS IMPERFECTIONS SUCH AS OIL-CANNING WHICH IS NOT COVERED BY WARRANTY.

WALK-IN ROOF IS NOT DESIGNED FOR FOOT TRAFFIC OR STORAGE. SNOW/ICE LOADS (OUTDOOR BOXES): TO AVOID CEILING FAILURE/COLLAPSE DUE TO SNOW OR ICE (NOT COVERED BY PANEL WARRANTY), SNOW OR ICE ACCUMULATION OF MORE THAN 3" MUST BE CAREFULLY REMOVED IN A MANNER WHICH DOES NOT CAUSE DAMAGE OR TEAR THE MEMBRANE ROOF COVER.

FOR QUARRY TILE OR CONCRETE FLOORS, THE METAL FACING MAY BE SUSCEPTIBLE TO STAINING DUE TO MOISTURE CREATED BY HYDRATION OF CONCRETE-TYPE MATERIALS. METAL SURFACE MUST BE PROTECTED FROM LIME AND CONCRETE RELATED COMPONENTS. PROTECTION OF ONE OF THE FOLLOWING TYPES MUST BE APPLIED BETWEEN THE CONCRETE AND METAL SURFACES: LIQUID TAR BRUSHED OR SPRAYED ABOVE THE CONCRETE LINE, HEAVY EPOXY PAINT, 6 MIL POLYETHYLENE, OR A DOUBLE LAYER OF 30 LB ASPHALT IMPREGNATED ROOFING PAPER. EACH ROOM MUST BE PROPERLY VENTILATED AND SPECIAL PRECAUTIONS TAKEN WHEN USING MURIATIC ACID DUE TO ITS EFFECTS ON ALUMINUM, GALVANIZED STEEL, AND STAINLESS STEEL.

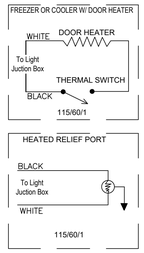
CHEMICAL USE AND STORAGE, INCLUDING CHEMICALS PRESENT IN FOOD AND OTHER PRODUCTS, MAY CAUSE METAL STAINING, CORROSION, OR COMPONENT FAILURE. CHEMICAL DAMAGE IS NOT COVERED BY WARRANTY.



This is a 120VAC, 15 amp circuit auxiliary lights max combined draw 10 amps	
Manufacturer	**Model**
Keil (Component Hardware)	LED48X754
Kason	1802, 1802NL,1803, 1804, 1806, 1807, 1808,
	1808NM, 1808FM, 1809, 1810EZ Series,
	1810LX, 1810LC, 1820
MaxLite	LSV Series, JJ Series
Osram Sylvania	30099 Series
Various	UL Listed 120VAC, no greater than 60 watts

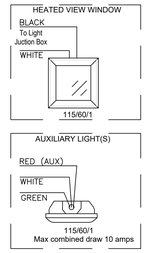
ADDITIONAL CONNECTIONS

FREEZER



NOTE: Door Heater, Thermal Switch and Heated Relief Port included on Freezers only.
Door Heater and Thermal Switch optional on Coolers

OPTIONAL



NOTE: If Auxiliary Lights are not powered from the Door Circuit, the Red Aux Wire from the Door Circuit must be capped off or removed by Qualified Electrician

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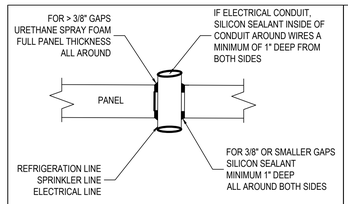
ELECTRICIAN MUST PROVIDE SEAL-OFFS ON THE WARM SIDE OF ALL INCOMING CONDUIT LINES TO PREVENT CONDENSATION FROM FORMING INSIDE THE CONDUIT. (SEE DETAILS PAGE)

SINGLE POLE WIRING DIAGRAM FOR A/V ALARM 75LC

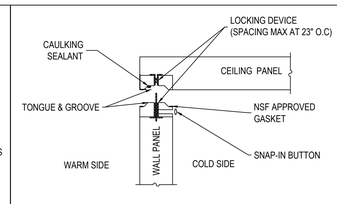
NOTE: DOOR MUST BE DISCONNECTED FROM ELECTRICAL SUPPLY FOR INSTALLATION AND ADJUSTMENTS.
NOTE: CONDUIT PENETRATIONS MUST BE SEALED INTERNALLY AND EXTERNALLY WHERE THEY ENTER THE WALK-IN BOX.

Layout1TO 5

Update:10/26/26

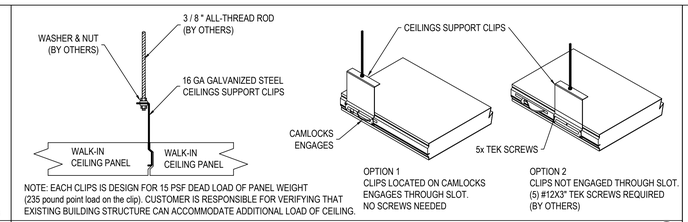


PENETRATION (1)



UPDATE: 10/26/2026

WALL PANEL TO CEILING CONNECTION (2)

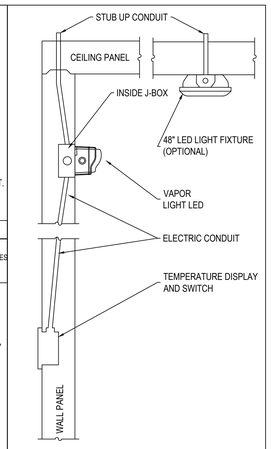


NOTE: EACH CLIPS IS DESIGN FOR 15 PSF DEAD LOAD OF PANEL WEIGHT (235 pound point load on the clip). CUSTOMER IS RESPONSIBLE FOR VERIFYING THAT EXISTING BUILDING STRUCTURE CAN ACCOMMODATE ADDITIONAL LOAD OF CEILING.

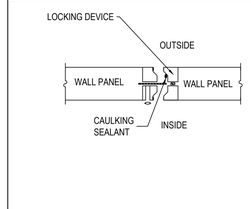
OPTION 1
CLIPS LOCATED ON CAMLOCKS ENGAGES THROUGH SLOT.
NO SCREWS NEEDED

OPTION 2
CLIPS NOT ENGAGED THROUGH SLOT.
(5) #12X3" TEK SCREWS REQUIRED (BY OTHERS)

CEILING SUPPORT FASTENER DETAIL (8)

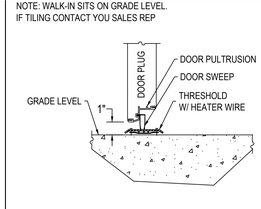


DOOR DETAIL STUB UP CONDUIT (5)

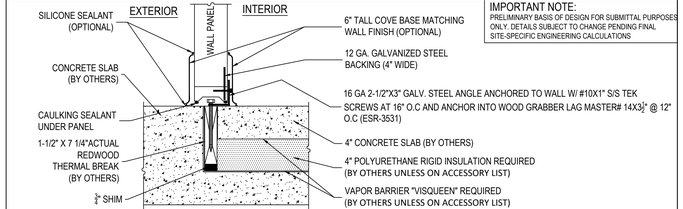


WALL TO WALL CONNECTION (3)

NOTE: WALK-IN SITS ON GRADE LEVEL.
IF TILING CONTACT YOU SALES REP



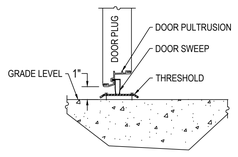
DOOR PLUG DETAIL WITH THRESHOLD AND HEATER WIRE (4)



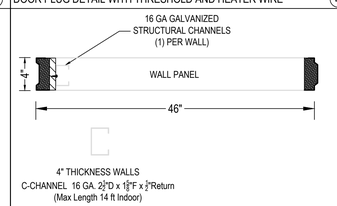
IMPORTANT NOTE:
PRELIMINARY BASIS OF DESIGN FOR SUBMITTAL PURPOSES ONLY. DETAILS SUBJECT TO CHANGE PENDING FINAL SITE-SPECIFIC ENGINEERING CALCULATIONS

NO FLOOR - THERMAL BREAK CONCEALED ANGLE BRACKET ANCHOR (10) (11)

NOTE: WALK-IN SITS ON GRADE LEVEL.
IF TILING CONTACT YOU SALES REP

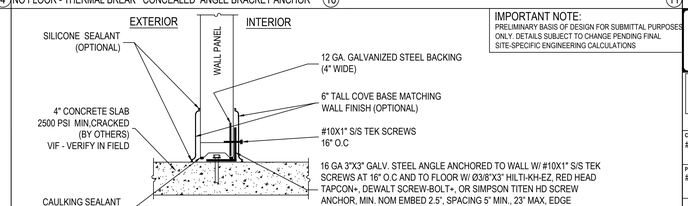


DOOR PLUG DETAIL WITH THRESHOLD (6)



UPDATE: 10/26/2026

STRUCTURAL CHANNEL WALLS SUPPORT (C1) (9)



IMPORTANT NOTE:
PRELIMINARY BASIS OF DESIGN FOR SUBMITTAL PURPOSES ONLY. DETAILS SUBJECT TO CHANGE PENDING FINAL SITE-SPECIFIC ENGINEERING CALCULATIONS

NO FLOOR - CONCEALED ANGLE BRACKET ANCHOR (12) (13)

☐ APPROVED AS DRAWN SIGNED _____
☐ RESUBMIT DATE: _____

Arctic® WALK-IN COOLERS AND FREEZERS
MIAMI, FLORIDA PHONE: (305) 883-5581
LOS ANGELES, CALIFORNIA PHONE: (626) 508-0920
Intertek Listed Mfg. Plant ETL Verified to UL 60335-2-7
Intertek Listed Mfg. Plant ETL Verified to UL 60335-2-7

CUSTOMER NAME: ##########

PROJECT NAME: ##########

DRAWN BY:	CHECKED BY:	P.O. #
########	####	####
SCALE:	CREATED:	SHEET NO.
As Shown	10/26/2026	LAYOUT1 OF #

FS.29 FOODSERVICE WALK IN COOLERS FREEZERS

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

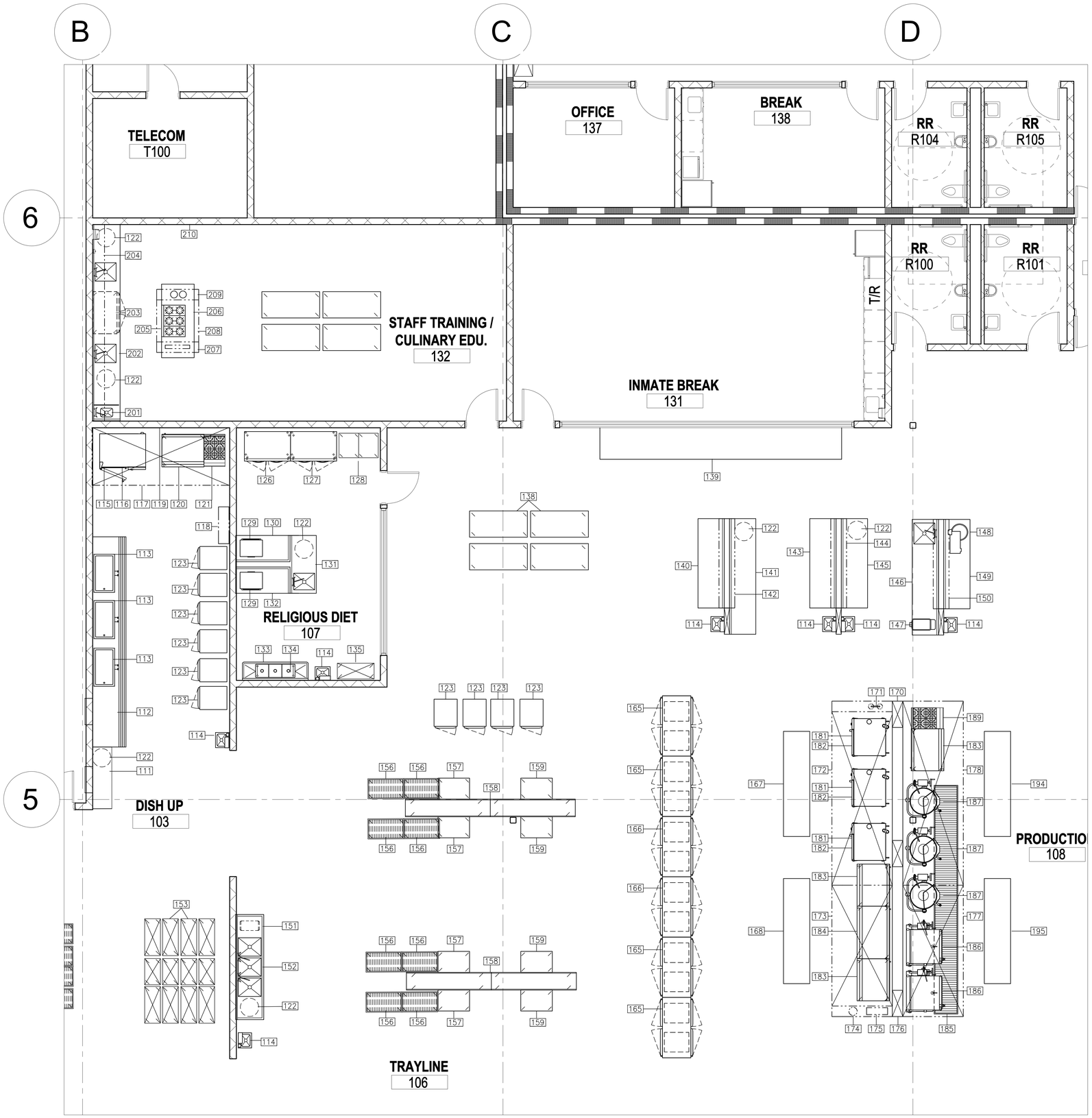
drawing title
FOODSERVICE
MFR DRAWINGS - WALK IN REFRIGERATORS/FREEZER

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.29

6/18/2026 12:55:04 PM



01 Foodservice Equipment Plan
SCALE 1/4" = 1'-0"

6/18/2026 12:55:04 PM

SHEET NOTES

FOODSERVICE HEALTH DEPARTMENT REQUIREMENTS:

A. ALL EQUIPMENT, MANUFACTURED OR CUSTOM FABRICATED, TO HAVE NSF, ETL SANITATION OR UL SANITATION APPROVALS.

B. INSTALLATION TO MEET STATE OF NEVADA, DEPARTMENT OF HEALTH, SANITATION BRANCH, LATEST CODE EDITION.

C. ALL EXPOSED PLUMBING AND GAS LINES MUST BE MOUNTED OR ENCLOSED SO AS TO FACILITATE CLEANING. AN EFFORT SHOULD BE MADE TO ENCLOSE ALL PLUMBING LINES WITHIN WALLS UNLESS OTHERWISE APPROVED.

D. ALL EQUIPMENT WHICH GENERATES CONDENSATE AND LIQUID WASTES FROM STEAM TABLES, ICE MACHINES AND BINS, UTENSIL WASH SINKS, FOOD PREPARATION SINKS, DISPLAY CASES, ETC. SHALL BE DRAINED BY MEANS OF INDIRECT WASTE PIPES INTO FLOOR SINK OR OTHER APPROVED INDIRECT WASTE RECEPTOR. FLOOR DRAINS ARE NOT TO BE USED IN LIEU OF FLOOR SINKS. ALL WASTE LINES MUST BE HARD PIPED FROM POINT OF CONNECTIONS.

E. ALL FLOOR SINKS SHALL BE AT LEAST HALF EXPOSED OR OTHERWISE READILY ACCESSIBLE FOR INSPECTION AND CLEANING. FLOOR SINK SHOULD NOT POSE A TRIPPING HAZARD (MOUNT ALL FLOOR SINKS FLUSH WITH FLOOR)

F. ALL EXPOSED ELECTRICAL LINES SHALL BE ENCLOSED WITHIN SMOOTH, RIGID CONDUIT AND BE MOUNTED OR ENCLOSED SO AS TO FACILITATE CLEANING. FLEX CONDUIT IS ONLY PERMITTED IF ENCLOSED WITHIN WALLS.

G. SUFFICIENT NATURAL OR ARTIFICIAL LIGHTING REQUIRED.
FIFTY (50) FOOT-CANDLES IN FOOD PREPARATION, UTENSIL WASH, STORAGE, RESTROOMS.

H. SHATTER PROOF SHIELDS ON LIGHTS REQUIRED ABOVE FOOD PREPARATION, OPEN FOOD STORAGE, UTENSIL-CLEANING AREAS AND HOODS.

I. AN APPROVED FLOORING MATERIAL. FOUR INCH (MINIMUM) HIGH CONTINUOUSLY COVED BASE. (3/8" MIN. COVE AT WALL/FLOOR/EQUIPMENT JUNCTURE).

EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES
111	1	SERVING WINDOW TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
112	1	SERVING COUNTER	CUSTOM FABRICATED	SEE ELEVATIONS	
113	3	DROP IN HOT WELLS	WELLS	MOD-300TDM/AF	
114	6	HAND SINK/SIDE SPLASH/S&T	EAGLE GROUP	HSAP-14-ADA-FE-B	
115	1	COMBI-OVEN (UPPER)	ALTO SHAAM	CTP7-20G	
116	1	COMBI-OVEN (LOWER)	ALTO SHAAM	CTP7-20G	
117	1	EXHAUST HOOD (TYPE-I)	STREIVOR	WCBD-HVCMS	
118	1	FIRE SUPPRESSION SYSTEM	STREIVOR AIR SYSTEMS	ANSUL R102	
119	1	S/S WALL FLASHING	CUSTOM FABRICATED	SEE ELEVATIONS	
120	1	GRIDDLE WITH STAND	VULCAN	MSA48-30/STAND/C-72	
121	1	4 BURNER RANGE/STAND	VULCAN	V4B24	
122	LOT	TRASH CONTAINER	RUBBERMAID	FG263256GRAY	
123	10	MOBILE HOT CABINET	CRESCOR	H-137-SUA-12DZ	
124		NOT USED			
125		NOT USED			
126	1	REACH IN REFRIGERATOR	TRUE	STA2R-2S-HC	
127	1	REACH IN FREEZER	TRUE	STA2F-2S-HC	
128	LOT	PAN RACK CART	EAGLE GROUP	UAR-70-A	
129	2	MICROWAVE	AMANA	RFS18TS	
130	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
131	1	PREP TABLE WITH SINK	CUSTOM FABRICATED	SEE ELEVATIONS	
132	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
133	1	3-COMP WASH SINK	ADVANCE TABCO	FC3-1515-15RL	
134	1	WALL SHELF W/ UTENSIL RACK	ADVANCE TABCO	DT-6R-72	
135	1	MOBILE SHELVING	EAGLE GROUP	EAGLEGARD 63-FOUR TIER MOBILE	
136		NOT USED			
137		NOT USED			
138	4	MOBILE WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
139	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
140	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
141	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
142	1	PASS SHELF	CUSTOM FABRICATED	SEE ELEVATIONS	
143	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
144	1	PASS SHELF	CUSTOM FABRICATED	SEE ELEVATIONS	
145	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
146	1	PREP TABLE WITH SINK	CUSTOM FABRICATED	SEE ELEVATIONS	
147	1	MEAT GRINDER	HOBART	4822	
148	1	FOOD CUTTER	HOBART	84186	
149	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
150	1	PASS SHELF	CUSTOM FABRICATED	SEE ELEVATIONS	
151	LOT	TRASH CONTAINER	RUBBERMAID	FG354060GRAY	
152	1	POT SINK	CUSTOM FABRICATED	SEE ELEVATIONS	
153	LOT	MOBILE SHELVING	EAGLE GROUP	EAGLEGARD 63-FOUR TIER MOBILE	
154		NOT USED			
155		NOT USED			
156	8	MOBILE TRAY RACK	NEW AGE	96087	
157	4	MOBILE COLD FOOD COUNTER	CADDY	RIF-604	
158	4	S/S TRAY ASSEMBLY TABLES	CUSTOM FABRICATED	SEE ELEVATION DETAILS	
159	4	MOBILE HOT FOOD COUNTER	CADDY	TF-612	
160		NOT USED			
161		NOT USED			
162		NOT USED			
163		NOT USED			
164		NOT USED			
165	4	PASS THRU REFRIGERATOR	TRAULSEN	RHT232NPUT-HHS	
166	2	PASS THRU HEATED CABINET	TRAULSEN	RHF232WP-HHS	
167	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
168	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
169		NOT USED			
170	1	COOKLINE UTILITY WALL	STREIVOR AIR SYSTEMS	UDS-2	
171	1	HOOD CABINET/WATER FILTER	STREIVOR AIR SYSTEMS	EV34FCSP-7.5GPM	
172	1	EXHAUST HOOD (TYPE-I)	STREIVOR	SAWCBD-HVCMS	
173	1	EXHAUST HOOD (TYPE-I)	STREIVOR	SAWCBD-HVCMS	
174	1	FIRE PROTECTION SYSTEM	STREIVOR AIR SYSTEMS	PYRO-CHEM KITCHEN KNIGHT II	
175	1	DCKV HOOD CONTROLS	STREIVOR AIR SYSTEMS	DEMANDAIRE	
176	1	HOOD DISPLAY PANEL	STREIVOR	HMI	
177	1	EXHAUST HOOD (TYPE-I)	STREIVOR	SAWCBD-HVCMS	
178	1	EXHAUST HOOD (TYPE-I)	STREIVOR	SAWCBD-HVCMS	
179	1	CLASS K FIRE EXTINGUISHER	ANSUL	K-GUARD	
180		NOT USED			
181	3	COMBI-OVEN (UPPER)	ALTO SHAAM	CTP7-20G	
182	3	COMBI-OVEN (LOWER)	ALTO SHAAM	CTP7-20G	
183	3	GRIDDLE WITH STAND	VULCAN	MSA48-30/STAND/C-48	
184	1	GRIDDLE WITH STAND	VULCAN	MSA60-30/STAND/C-60	
185	1	FLOOR TROUGH/GRATE	PROVIDED BY PLUMBING DIVISION	NOT IN FSEC CONTRACT	NIC
186	2	40 GALLON TILT SKILLET	CLEVELAND	SGL40T1	
187	3	60 GALLON TILT KETTLE	CLEVELAND	KEL-60-T	
188		NOT USED			
189	1	4 BURNER RANGE/STAND	VULCAN	V4B24	
190		NOT USED			
191		NOT USED			
192		NOT USED			
193		NOT USED			
194	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
195	1	WORK TABLE	CUSTOM FABRICATED	SEE ELEVATIONS	
196		NOT USED			
197		NOT USED			
198		NOT USED			
199		NOT USED			
200		NOT USED			
201	1	HAND SINK	CUSTOM FABRICATED	SEE DETAILS	
202	1	WORK COUNTER WITH SINKS	CUSTOM FABRICATED	SEE DETAILS	
203	1	U/C REFIGERATOR	TRAULSEN	UHT-48LR	
204	1	WALL CABINETS	CUSTOM FABRICATED	SEE ELEVATIONS	
205	1	OPEN BURNER RANGE/OVEN	MONTAGUE	136-5	
206	1	DEMONSTRATION COUNTER	CUSTOM FABRICATED	SEE ELEVATION DETAILS	
207	1	HOOD CONTROL PANEL	STREIVOR AIR SYSTEMS	DEMANDAIRE PLC	
208	1	EXHAUST HOOD (TYPE I)	STREIVOR AIR SYSTEMS	ICBD 48 63 24	
209	1	FIRE PROTECTION SYTEM	STREIVOR AIR SYSTEMS	PYRO CHEM KITCHEN KNIGHT II	
210	1	HOOD DISPLAY PANEL	STREIVOR AIR SYSTEMS	TOUCH SCREEN	

ABBREVIATIONS:

FSEC	FOODSERVICE EQUIPMENT CONTRACTOR
S/S	STAINLESS STEEL
U/C	UNDER COUNTER
S&T	SOAP AND TOWEL
NIC	NOT IN CONTRACT

SCHEDULE / DRAWING NOTES:

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reno, nevada 89502
p. 775.328.1010
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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

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NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

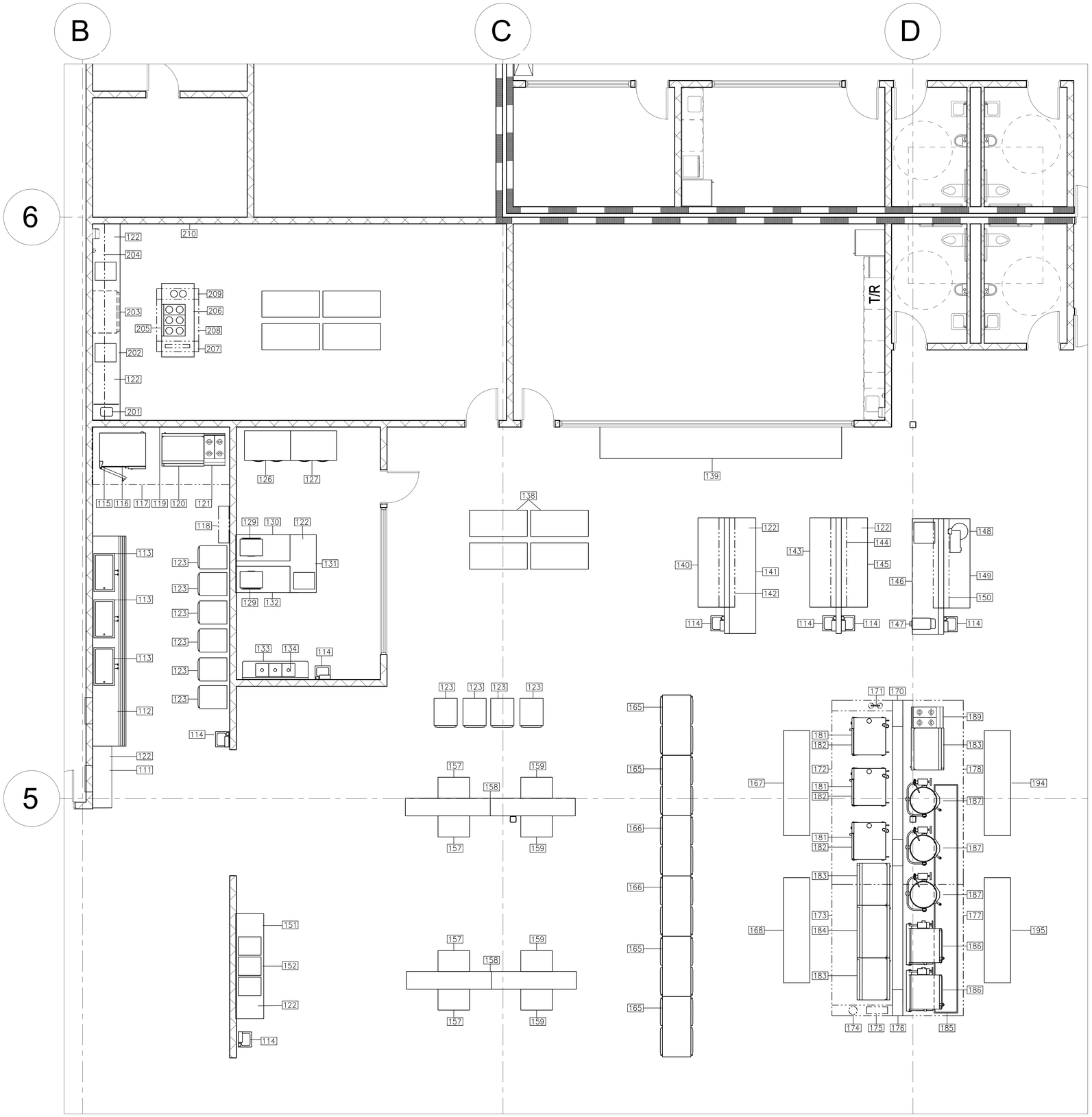
DESIGN DEVELOPMENT

drawing title
FOODSERVICE
EQUIPMENT PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.30



01 Foodservice Building Conditions and Ventilation Plan

SCALE 1/4" = 1'-0"

NOTES:

GENERAL CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. WALLS, FLOORS AND CEILINGS IN FOODSERVICE AND WASHING AREAS OR ANY OTHER LOCATION WHERE FOOD OR BEVERAGES ARE PREPARED, SHALL BE SMOOTH, EASILY CLEANABLE, NON-ABSORBENT AND DURABLE. WALLS AND CEILINGS SHALL BE "LIGHT-IN COLOR".

C. OPENINGS/ACCESS FOR ALL FOODSERVICE EQUIPMENT.

D. WALL BACKING FOR WALL MOUNTED FOODSERVICE EQUIPMENT, SEE DETAIL, THIS SHEET.

E. WALLS WITH SOUND CONTROL BETWEEN DISHROOMS AND PUBLIC AREAS.

F. FLOOR DEPRESSIONS FOR COLD STORAGE ROOMS.

G. BLOCK OUTS IN FLOOR FOR FLUSH MOUNT FLOOR TROUGHS.

H. CONDUIT FOR BEVERAGE LINES.

I. CONDUIT FOR REFRIGERATION LINES.

J. COVED FINISHED FLOOR MATERIALS AT ALL VERTICAL SURFACES. (3/8" MINIMUM)

K. SLEEVES/ACCESS FOR REFRIGERATION PIPING.

L. ROOF CURB WITH GALVANIZED SHEET METAL CAP FOR REMOTE REFRIGERATION SYSTEM.

M. FIRE RATED MATERIALS AND OR INSULATION AS REQUIRED FOR EXHAUST DUCTS, VENT STACKS, HEAT PRODUCING EQUIPMENT, ROOF/WALL PENETRATIONS PER LOCAL CODES.

N. FILL EXCESS FLOOR DEPRESSIONS AROUND RECESSED COLD STORAGE ROOM COMPARTMENTS WITH GROUT, FINISH FLOOR MATERIAL AND COVED BASE AFTER INSTALLATION.

O. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

MECHANICAL CONTRACTOR TO PROVIDE:

H. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

I. EXHAUST SYSTEMS AND CONTROLS.

J. VFD'S AT FAN PACKAGE IF DCKV CONTROLS ARE PART OF FOODSERVICE EQUIPMENT SCOPE.

K. FINAL DUCT CONNECTIONS TO EXHAUST HOODS.

L. MAKE-UP AIR DIFFUSERS: DO NOT PLACE ANY DIFFUSERS WITHIN 10'-0" OF EXHAUST HOODS AND DO NOT HAVE ANY MAKE-UP AIR DIRECTED TOWARD EXHAUST HOODS.

VENTILATION / BUILDING CONDITIONS / AIR

ITEM	QTY	DESCRIPTION	VENTILATION EXHAUST SIZE	CFM	WGSP	VENTILATION SUPPLY SIZE	CFM	WGSP	WALL BACKING HT	WALL BACKING OC	COMPRESSED AIR SUP	COMPRESSED AIR CFM	COMPRESSED AIR HT
111	1	SERVING WINDOW TABLE							6"	42"			
112	1	SERVING COUNTER							6"	42"			
113	3	DROP IN HOT WELLS											
114	6	HAND SINK/SIDE SPLASH/S&T							12"	38"			
115	1	COMBI-OVEN (UPPER)											
116	1	COMBI-OVEN (LOWER)											
117	1	EXHAUST HOOD (TYPE-I)	17"x14""	2310	0.55"	12"x10"(3)	616(3)	.40					
118	1	FIRE SUPPRESSION SYSTEM											
119	1	S/S WALL FLASHING											
120	1	GRIDDLE WITH STAND											
121	1	4 BURNER RANGE/STAND											
122	LOT	TRASH CONTAINER											
123	10	MOBILE HOT CABINET											
124		NOT USED											
125		NOT USED											
126	1	REACH IN REFRIGERATOR											
127	1	REACH IN FREEZER											
128	LOT	PAN RACK CART											
129	2	MICROWAVE											
130	1	WORK TABLE							6"	42"			
131	1	PREP TABLE WITH SINK							6"	42"			
132	1	WORK TABLE							6"	42"			
133	1	3-COMP WASH SINK							6"	46"			
134	1	WALL SHELF W/ UTENSIL RACK							12"	69"			
135	1	MOBILE SHELVING											
136		NOT USED											
137		NOT USED											
138	4	MOBILE WORK TABLE											
139	1	WORK TABLE							6"	42"			
140	1	WORK TABLE							6"	42"			
141	1	WORK TABLE							6"	42"			
142	1	PASS SHELF											
143	1	WORK TABLE							6"	42"			
144	1	PASS SHELF											
145	1	WORK TABLE							6"	42"			
146	1	PREP TABLE WITH SINK							6"	42"			
147	1	MEAT GRINDER											
148	1	FOOD CUTTER											
149	1	WORK TABLE							6"	42"			
150	1	PASS SHELF											
151	LOT	TRASH CONTAINER											
152	1	POT SINK							6"	46"			
153	LOT	MOBILE SHELVING											
154		NOT USED											
155		NOT USED											
156	8	MOBILE TRAY RACK											
157	4	MOBILE COLD FOOD COUNTER											
158	4	S/S TRAY ASSEMBLY TABLES											
159	4	MOBILE HOT FOOD COUNTER											
160		NOT USED											
161		NOT USED											
162		NOT USED											
163		NOT USED											
164		NOT USED											
165	4	PASS THRU REFRIGERATOR											
166	2	PASS THRU HEATED CABINET											
167	1	WORK TABLE											
168	1	WORK TABLE											
169		NOT USED											
170	1	COOKLINE UTILITY WALL											
171	1	HOOD CABINET/WATER FILTER											
172	1	EXHAUST HOOD (TYPE-I)	12"x10" (2)	1260 (2)	0.55"	14"x10"(3)	672(3)	.40					
173	1	EXHAUST HOOD (TYPE-I)	12"x10"(2)	1260(2)	.55	12"x10"(3)	672(3)	.40					
174	1	FIRE PROTECTION SYSTEM											
175	1	DCKV HOOD CONTROLS											
176	1	HOOD DISPLAY PANEL											
177	1	EXHAUST HOOD (TYPE-I)	13"x10"(2)	1350(2)	0.55"	14"x10"(3)	720(3)	.40					
178	1	EXHAUST HOOD (TYPE-I)	13"x10"(2)	1350 (2)	0.55"	12"x10"(3)	720(3)	.40					
179	1	CLASS K FIRE EXTINGUISHER											
180		NOT USED											
181	3	COMBI-OVEN (UPPER)											
182	3	COMBI-OVEN (LOWER)											
183	3	GRIDDLE WITH STAND											
184	1	GRIDDLE WITH STAND											
185	1	FLOOR TROUGH/GRATE											
186	2	40 GALLON TILT SKILLET											
187	3	60 GALLON TILT KETTLE											
188		NOT USED											
189	1	4 BURNER RANGE/STAND											
190		NOT USED											
191		NOT USED											
192		NOT USED											
193		NOT USED											
194	1	WORK TABLE											
195	1	WORK TABLE											
196		NOT USED											
197		NOT USED											
198		NOT USED											
199		NOT USED											
200		NOT USED											
201	1	HAND SINK											
202	1	WORK COUNTER WITH SINKS							6"	42"			
203	1	U/C REFIDERATOR											
204	1	WALL CABINETS							21"	56"			
205	1	OPEN BURNER RANGE/OVEN											
206	1	DEMONSTRATION COUNTER											
207	1	HOOD CONTROL PANEL											
208	1	EXHAUST HOOD (TYPE I)	15"x12"	1750	.70"	10"x10"(4)	350(4)	.40					
209	1	FIRE PROTECTION SYTEM											
210	1	HOOD DISPLAY PANEL											

ABBREVIATIONS:

CFM	CUBIC FEET/MINUTE	STUB	UTILITY UP FROM FLOOR
WGSP	WATER GUAGE STATIC PRESSURE	SUP	SUPPLY
HT	HEIGHT		
OC	ON CENTER		
FA	FROM ABOVE		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

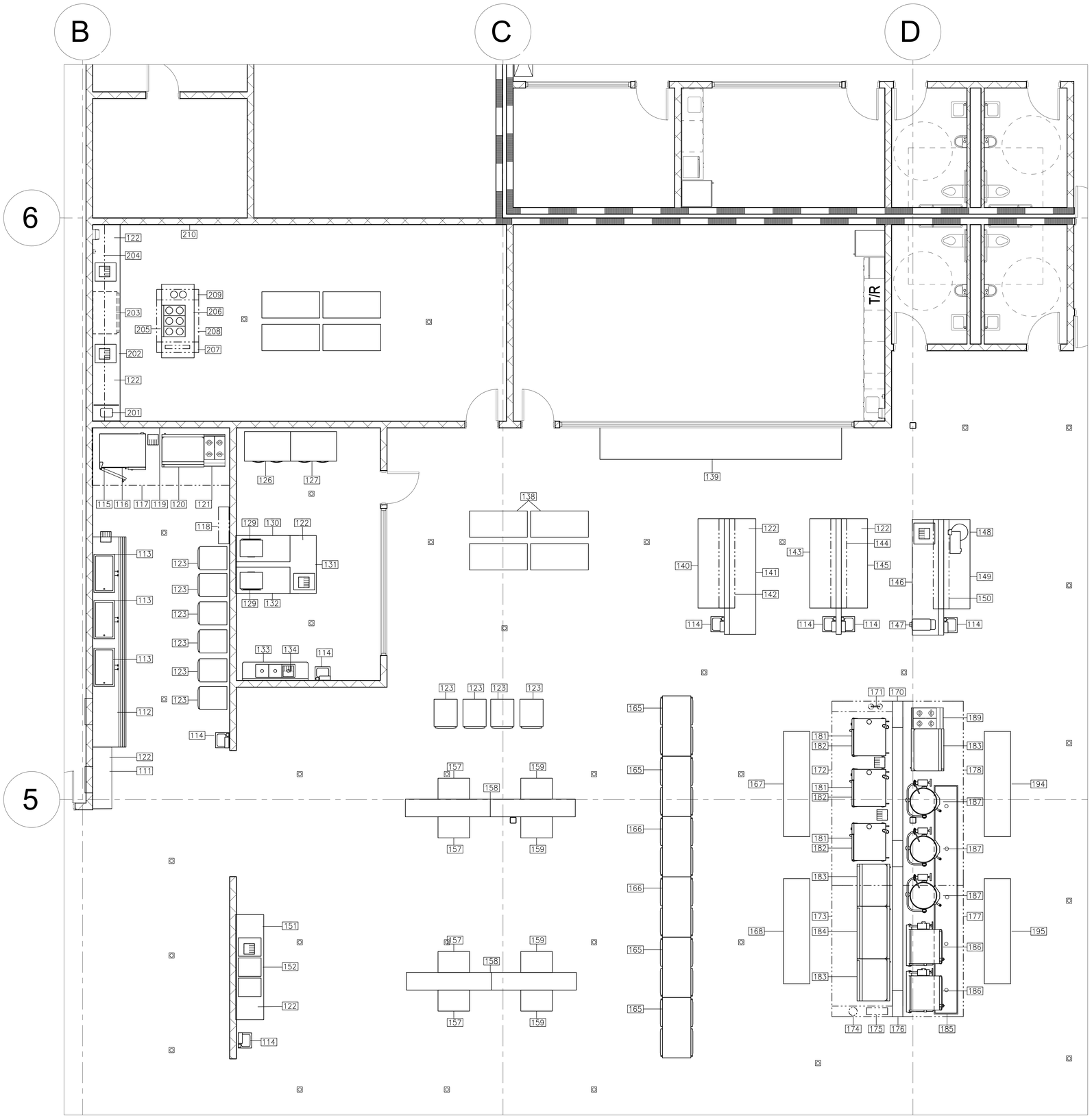
drawing title
FOODSERVICE BUILDING CONDITIONS AND VENTILATION PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.31

6/18/2026 12:55:04 PM



01 Foodservice Plumbing Rough In Plan
SCALE 1/4" = 1'-0"

6/18/2026 12:55:04 PM

NOTES:

PLUMBING CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. ROUGH-IN AND FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT AS INDICATED ON DRAWINGS AND IN PLUMBING ROUGH-IN SCHEDULE, INCLUDING ALL MATERIALS SUCH AS STOPS, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING AND SHUT OFF'S AS REQUIRED.

C. MINIMUM 120 DEGREE HOT WATER WITH THE EXCEPTION OF HAND WASH SINKS.

D. PRESSURE REDUCING VALVE TO 20 PSI FOR DISHWASHERS/ BOOSTER HEATERS.

E. ALL WASTE LINES AS NOTED.

F. MINIMUM DIAMETER OF LINE AS INDICATED ON SCHEDULE REGARDLESS OF CONNECTION SIZE.

G. ALL DRAINS SLOPED DOWNWARD WITH ADEQUATE CLEAN-OUT PROVISIONS.

H. MAINTAIN DRAINS AS HIGH AS POSSIBLE ABOVE FLOOR.

I. ALL EXPOSED DRAIN LINES TO BE FINISHED IN STAINLESS STEEL PAINT (SEYMOUR 16-054).

J. INSULATION ON ALL HOT WATER AND CONDENSATE LINES.

K. FLOOR SINKS/FLOOR DRAINS. (SET FLUSH WITH FINISHED FLOOR).

L. ALL VENT PIPES ARE TO BE CONCEALED IN WALLS, COLUMNS OR CHASES, USE LOOP-VENTS FOR ISLAND FIXTURES.

M. MOP SINK, HOSE BIBB WITH VACUUM BREAKER AND MOP RACK.

N. INTERCONNECTION BETWEEN BOOSTER HEATER AND DISHMACHINE.

O. INTERCONNECTION BETWEEN SCRAP COLLECTOR AND SOILED DISHTABLE TROUGH.

P. INTERCONNECTION BETWEEN WASTE COLLECTOR, VACUUM BREAKER, AND PROVIDED SOLENOIDS.

Q. INTERCONNECTION BETWEEN ROUGH-IN, HOSE REEL AND VACUUM BREAKER.

R. INTERCONNECTION BETWEEN VENTILATOR AND CONTROL PANEL.

S. HEAT TAPE FOR FREEZER COMPARTMENT INDIRECT WASTE LINE.

T. GREASE TRAPS/INTERCEPTORS (LOCATED OUTSIDE OF KITCHEN AREA) AS SPECIFIED UNDER PLUMBING SECTION.

U. INSTALLATION OF FIRE PROTECTION SYSTEM GAS SHUT-OFF VALVE AND Y-STRAINER, 3" MAXIMUM DIA. (PROVIDED BY HOOD MANUFACTURER/FOODSERVICE EQUIPMENT CONTRACTOR).

V. PROVISIONS FOR DRAIN PIPING SERVING FLOOR TROUGHS/FLOOR SINKS AT COOKING EQUIPMENT (TILT KETTLES/SKILLETS) TO WITHSTAND DRAIN TEMPERATURES IN EXCESS OF 180 DEGREES.

W. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

FLOOR DRAIN
2" WASTE WITH TRAP PRIMER

FLOOR SINK
WASTE CONNECTION SHOWN ON PLAN

PLUMBING ROUGH-IN

ITEM	QTY	DESCRIPTION	WATER				WASTE			GAS			CHILLED WATER				STEAM			
			CW	HW	HT	GPH	IND	DIR	HT	SUP	MBH	HT	SUP	RET	HT	GPM	SUP	RET	HT	LB/HR
111	1	SERVING WINDOW TABLE																		
112	1	SERVING COUNTER																		
113	3	DROP IN HOT WELLS	1/2"		18"		1"													
114	6	HAND SINK/SIDE SPLASH/S&T	1/2"	1/2"	18"	5		1-1/2"	21"											
115	1	COMBI-OVEN (UPPER)	3/4"		SD		1-1/2"			3/4"	98	SD								
116	1	COMBI-OVEN (LOWER)	3/4"		SD		1-1/2"			3/4"	98	SD								
117	1	EXHAUST HOOD (TYPE-I)																		
118	1	FIRE SUPPRESSION SYSTEM																		
119	1	S/S WALL FLASHING																		
120	1	GRIDDLE WITH STAND								3/4"	108	SD								
121	1	4 BURNER RANGE/STAND								3/4"	140	32"								
122	LOT	TRASH CONTAINER																		
123	10	MOBILE HOT CABINET																		
124		NOT USED																		
125		NOT USED																		
126	1	REACH IN REFRIGERATOR																		
127	1	REACH IN FREEZER																		
128	LOT	PAN RACK CART																		
129	2	MICROWAVE																		
130	1	WORK TABLE																		
131	1	PREP TABLE WITH SINK	1/2"	1/2"	18"	10	1-1/2"													
132	1	WORK TABLE																		
133	1	3-COMP WASH SINK	1/2"	1/2"	15"	45		2"	12"											
134	1	WALL SHELF W/ UTENSIL RACK																		
135	1	MOBILE SHELVING																		
136		NOT USED																		
137		NOT USED																		
138	4	MOBILE WORK TABLE																		
139	1	WORK TABLE																		
140	1	WORK TABLE																		
141	1	WORK TABLE																		
142	1	PASS SHELF																		
143	1	WORK TABLE																		
144	1	PASS SHELF																		
145	1	WORK TABLE																		
146	1	PREP TABLE WITH SINK	1/2"	1/2"	18"	10	1-1/2"													
147	1	MEAT GRINDER																		
148	1	FOOD CUTTER																		
149	1	WORK TABLE																		
150	1	PASS SHELF																		
151	LOT	TRASH CONTAINER																		
152	1	POT SINK	1/2"	1/2"	24"	45		2"	12"											
153	LOT	MOBILE SHELVING																		
154		NOT USED																		
155		NOT USED																		
156	8	MOBILE TRAY RACK																		
157	4	MOBILE COLD FOOD COUNTER																		
158	4	S/S TRAY ASSEMBLY TABLES																		
159	4	MOBILE HOT FOOD COUNTER																		
160		NOT USED																		
161		NOT USED																		
162		NOT USED																		
163		NOT USED																		
164		NOT USED																		
165	4	PASS THRU REFRIGERATOR																		
166	2	PASS THRU HEATED CABINET																		
167	1	WORK TABLE																		
168	1	WORK TABLE																		
169		NOT USED																		
170	1	COOKLINE UTILITY WALL																		
171	1	HOOD CABINET/WATER FILTER	3/4"		FA															
172	1	EXHAUST HOOD (TYPE-I)																		
173	1	EXHAUST HOOD (TYPE-I)																		
174	1	FIRE PROTECTION SYSTEM																		
175	1	DCKV HOOD CONTROLS																		
176	1	HOOD DISPLAY PANEL																		
177	1	EXHAUST HOOD (TYPE-I)																		
178	1	EXHAUST HOOD (TYPE-I)																		
179	1	CLASS K FIRE EXTINGUISHER																		
180		NOT USED																		
181	3	COMBI-OVEN (UPPER)	3/4"		SD		1-1/2"			3/4"	98	SD								
182	3	COMBI-OVEN (LOWER)	3/4"		SD		1-1/2"			3/4"	98	SD								
183	3	GRIDDLE WITH STAND								3/4"	108	SD								
184	1	GRIDDLE WITH STAND								3/4"	135	SD								
185	1	FLOOR TROUGH/GRATE							4"	-7"										
186	2	40 GALLON TILT SKILLET	1/2"	1/2"	SD	20				3/4"	200	SD								
187	3	60 GALLON TILT KETTLE	1/2"	1/2"	SD	30														
188		NOT USED																		
189	1	4 BURNER RANGE/STAND								3/4"	140	32"								
190		NOT USED																		
191		NOT USED																		
192		NOT USED																		
193		NOT USED																		
194	1	WORK TABLE																		
195	1	WORK TABLE																		
196		NOT USED																		
197		NOT USED																		
198		NOT USED																		
199		NOT USED																		
200		NOT USED																		
201	1	HAND SINK	1/2"	1/2"	15"	5	1-1/2"													
202	1	WORK COUNTER WITH SINKS	1/2"	1/2"	15"	15	1-1/2"													
203	1	U/C REFIGERATOR																		
204	1	WALL CABINETS																		
205	1	OPEN BURNER RANGE/OVEN								1"	220	SD								
206	1	DEMONSTRATION COUNTER																		
207	1	HOOD CONTROL PANEL																		
208	1	EXHAUST HOOD (TYPE I)																		
209	1	FIRE PROTECTION SYTEM																		
210	1	HOOD DISPLAY PANEL																		

ABBREVIATIONS:

CW	COLD WATER	MBH	BRITISH THRMAL UNIT x 1000	HT	HEIGHT
HW	HOT WATER	SUP	SUPPLY	SD	STUB DOWN FROM UTILITY WALL
GPH	GALLONS PER HOUR (HOT WATER)	RET	RETURN	FA	FROM ABOVE
IND	INDIRECT WASTE (AIR GAP)	GPM	GALLONS PER MINUTE	STUB	UTILITY UP FROM FLOOR
DIR	DIRECT WASTE	BHP	BOILER HORSE POWER		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING

REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN INFORMATION

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

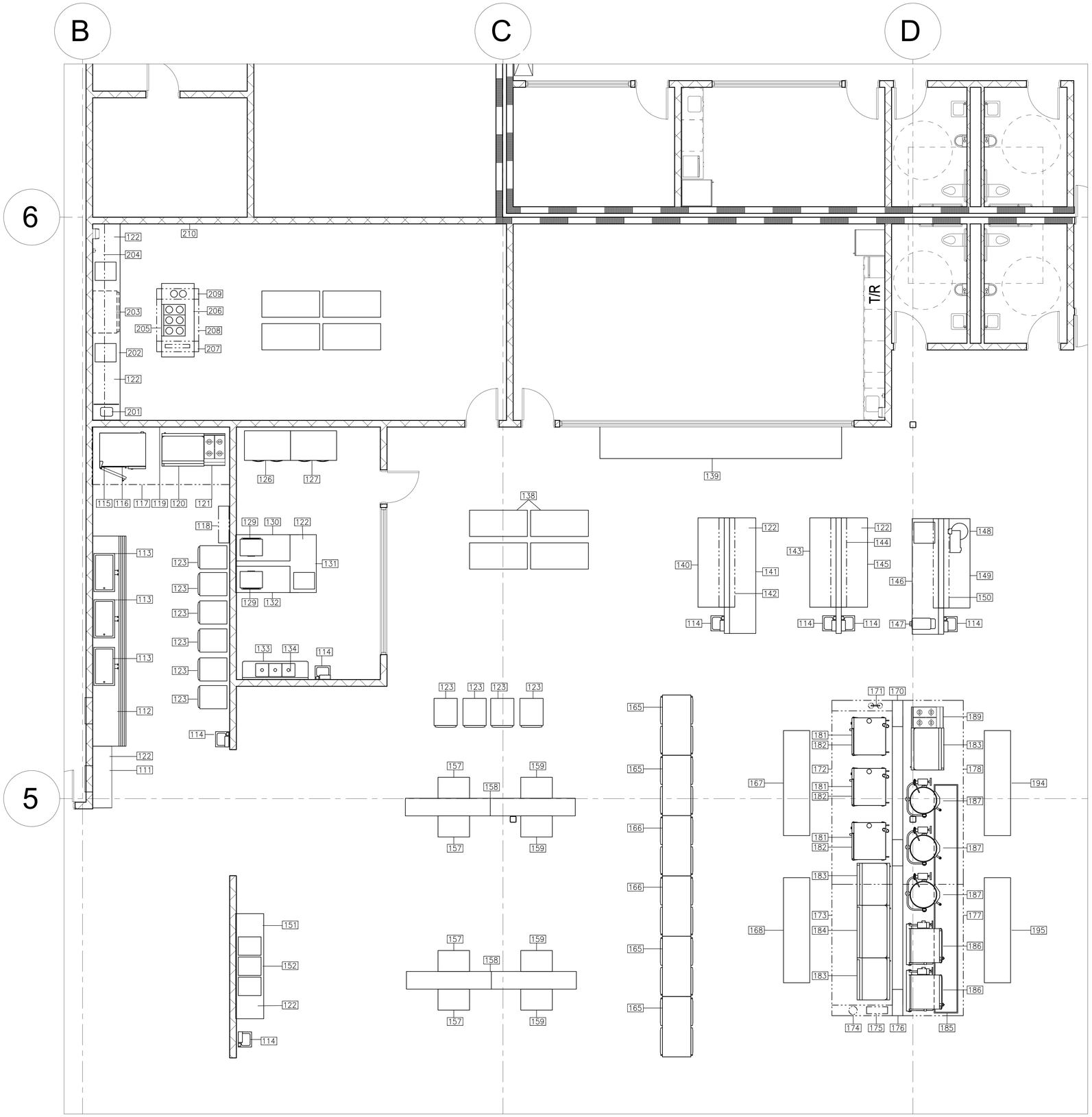
DESIGN DEVELOPMENT

drawing title
FOODSERVICE
PLUMBING ROUGH IN PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.32



NOTES:

ELECTRICAL CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. ROUGH-IN AND FINAL CONNECTION TO ALL FOODSERVICE EQUIPMENT AS INDICATED ON DRAWINGS AND IN ELECTRICAL ROUGH-IN SCHEDULE.

C. ALL JUNCTION-BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES NOT BUILT INTO FIXTURES OR EQUIPMENT.

D. DISHROOMS TO HAVE VAPOR PROOF COMPONENTS.

E. SHUNT TRIP CIRCUIT BREAKERS FOR ALL FOODSERVICE EQUIPMENT BELOW EXHAUST HOODS.

F. BEVERAGE LINE CONDUITS (SEE BUILDING CONDITIONS PLAN).

F. REFRIGERATION LINE CONDUITS (SEE BUILDING CONDITIONS PLAN).
G.

H. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

INTERCONNECTION BETWEEN:

A. ALL COLD STORAGE ROOM COMPONENTS AS INDICATED ON DRAWINGS.

B. DEMAND CONTROL KITCHEN VENTILATION PANEL (DCKV) AS INDICATED AND APPROVED SHOP DRAWINGS.

C. HOOD MOUNTED TEMPERATURE MONITOR AND EXHAUST SYSTEM CONTROLS FOR AUTOMATIC FAN START.

D. FOODSERVICE EQUIPMENT WITH SWITCH ACTIVATION.

E. FIRE PROTECTION SYSTEM AND BUILDING LIFE SAFETY.

ELECTRICAL ROUGH-IN

ITEM	QTY	DESCRIPTION	CONNECTED LOAD 120/1	120/208/1	120/208/3	208/1	208/3	480/3	HT	CONNECTION TYPE C&P	RECP	HW
111	1	SERVING WINDOW TABLE	4 AMP						48"		*	
112	1	SERVING COUNTER	4 AMP						48"		*	
113	3	DROP IN HOT WELLS		12.8 AMP					24"		*	
114	6	HAND SINK/SIDE SPLASH/S&T										
115	1	COMBI-OVEN (UPPER)	6.8 AMP						52"			*
116	1	COMBI-OVEN (LOWER)	6.8 AMP						52"			*
117	1	EXHAUST HOOD (TYPE-I)										
118	1	FIRE SUPPRESSION SYSTEM	20A CKT									
119	1	S/S WALL FLASHING										
120	1	GRIDDLE WITH STAND	1 AMP						32"		*	
121	1	4 BURNER RANGE/STAND										
122	LOT	TRASH CONTAINER										
123	10	MOBILE HOT CABINET	12 AMP						FA	*	*	
124		NOT USED										
125		NOT USED										
126	1	REACH IN REFRIGERATOR	7.6 AMP						92"	*	*	
127	1	REACH IN FREEZER	9.4 AMP						92"	*	*	
128	LOT	PAN RACK CART										
129	2	MICROWAVE				13.5 AMP			52"		*	
130	1	WORK TABLE	4 AMP						48"		*	
131	1	PREP TABLE WITH SINK	4 AMP						48"		*	
132	1	WORK TABLE	4 AMP						48"		*	
133	1	3-COMP WASH SINK										
134	1	WALL SHELF W/ UTENSIL RACK										
135	1	MOBILE SHELVING										
136		NOT USED										
137		NOT USED										
138	4	MOBILE WORK TABLE										
139	1	WORK TABLE	4 AMP						48"		*	
140	1	WORK TABLE	4 AMP						48"		*	
141	1	WORK TABLE	4 AMP						48"		*	
142	1	PASS SHELF										
143	1	WORK TABLE	4 AMP						48"		*	
144	1	PASS SHELF										
145	1	WORK TABLE	4 AMP						48"		*	
146	1	PREP TABLE WITH SINK	4 AMP						48"		*	
147	1	MEAT GRINDER	14 AMP						STUB		*	
148	1	FOOD CUTTER	12 AMP						STUB		*	
149	1	WORK TABLE	4 AMP						48"		*	
150	1	PASS SHELF										
151	LOT	TRASH CONTAINER										
152	1	POT SINK										
153	LOT	MOBILE SHELVING										
154		NOT USED										
155		NOT USED										
156	8	MOBILE TRAY RACK										
157	4	MOBILE COLD FOOD COUNTER	IN #53									
158	4	S/S TRAY ASSEMBLY TABLES			50A CKT				STUB			*
159	4	MOBILE HOT FOOD COUNTER	IN #53									
160		NOT USED										
161		NOT USED										
162		NOT USED										
163		NOT USED										
164		NOT USED										
165	4	PASS THRU REFRIGERATOR	8.6 AMP						90"	*	*	
166	2	PASS THRU HEATED CABINET				15.5 AMP			90"	*	*	
167	1	WORK TABLE	4 AMP						STUB		*	
168	1	WORK TABLE	4 AMP						STUB		*	
169		NOT USED										
170	1	COOKLINE UTILITY WALL										
171	1	HOOD CABINET/WATER FILTER										
172	1	EXHAUST HOOD (TYPE-I)										
173	1	EXHAUST HOOD (TYPE-I)										
174	1	FIRE PROTECTION SYSTEM	20A CKT						FA			*
175	1	DCKV HOOD CONTROLS	20A CKT						FA			*
176	1	HOOD DISPLAY PANEL										
177	1	EXHAUST HOOD (TYPE-I)										
178	1	EXHAUST HOOD (TYPE-I)										
179	1	CLASS K FIRE EXTINGUISHER										
180		NOT USED										
181	3	COMBI-OVEN (UPPER)	6.8 AMP						52"			*
182	3	COMBI-OVEN (LOWER)	6.8 AMP						52"			*
183	3	GRIDDLE WITH STAND	1 AMP						32"		*	
184	1	GRIDDLE WITH STAND	1 AMP						32"		*	
185	1	FLOOR TROUGH/GRATE										
186	2	40 GALLON TILT SKILLET	1.4 AMP						32"	*	*	
187	3	60 GALLON TILT KETTLE						47.1 AMP	32"	*	*	
188		NOT USED										
189	1	4 BURNER RANGE/STAND										
190		NOT USED										
191		NOT USED										
192		NOT USED										
193		NOT USED										
194	1	WORK TABLE	4 AMP						STUB		*	
195	1	WORK TABLE	4 AMP						STUB		*	
196		NOT USED										
197		NOT USED										
198		NOT USED										
199		NOT USED										
200		NOT USED										
201	1	HAND SINK										
202	1	WORK COUNTER WITH SINKS	4 AMP						48"		*	
203	1	U/C REFIDERATOR	6.3 AMP						12"	*	*	
204	1	WALL CABINETS										
205	1	OPEN BURNER RANGE/OVEN										
206	1	DEMONSTRATION COUNTER										
207	1	HOOD CONTROL PANEL	20A CKT						FA			*
208	1	EXHAUST HOOD (TYPE I)										
209	1	FIRE PROTECTION SYTEM										
210	1	HOOD DISPLAY PANEL										

ABBREVIATIONS:

C&P	CORD AND PLUG	STUB	UTILITY UP FROM FLOOR
RECP	RECEPTACLE		
HW	HARDWIRE		
HT	HEIGHT		
FA	FROM ABOVE		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION SHOWN ON DRAWING

CONNECTION TYPES PROVIDED BY ELECTRICAL DIVISION

01 Foodservice Electrical Rough In Plan

SCALE 1/4" = 1'-0"

6/18/2026 12:55:04 PM

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DESIGN DEVELOPMENT

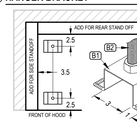
drawing title
FOODSERVICE ELECTRICAL ROUGH IN PLAN

job number
25015

date
OCTOBER 27, 2026

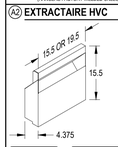
drawing number
FS.33

A1 HANGER BRACKET



B1 STAINLESS STEEL HANGER BRACKET
B2 ⅜" THREADED ROD
B3 ⅜" HEAVY DUTY LOCK NUTS, (1) ABOVE (1) BELOW
(THREADED ROD & LOCK NUTS NOT PROVIDED)
(HANGERS FACTORY WELDED UNLESS OTHERWISE SPECIFIED)

A2 EXTRACTAIRE HVC CARTRIDGE FILTER

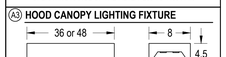


304 STAINLESS STEEL
US PATENT# 6,394,083

FILTER:			#117					
H x L	EFF AREA		QTY	AREA	QTY	AREA	QTY	AREA
1616	0.40	X	3	1.20				
1620	0.51	X	5	2.55				
TOTAL EFF AREA =				3.75	+		=	

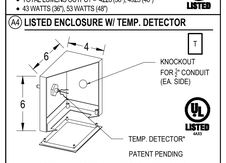
HOOD EX. CFM = TOTAL EFF AREA ÷ FPM
OPERATING RANGE OF THE FILTER (250 TO 1400 FPM)

A3 HOOD CANOPY LIGHTING FIXTURE



- RECESSED L.E.D. WARM LIGHTS - 3000K
- SPECIFICALLY DESIGNED FOR CANOPY HOODS
- TEMPERATURE RATED TO 75°C (167°F)
- MEETS NFPA CODE 96 & NEC 410
- TOTAL LUMENS OUTPUT = 4228 (36"), 4925 (48")
- 43 WATTS (36"), 53 WATTS (48")

A4 LISTED ENCLOSURE W/ TEMP. DETECTOR



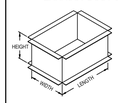
PATENT PENDING.

REMOVABLE COVER ALLOWS EASY ACCESS FOR INSTALLATION, ADJUSTMENTS AND SERVICE OF MONITORING EQUIPMENT FROM UNDER THE HOOD.

*FOR TEMPERATURE DETECTOR WIRING SEE DETAIL E3

A5 DUCT CONNECTION DETAIL

EXHAUST DUCT COLLAR DETAIL



1" FLANGE AT TOP AND BOTTOM OF COLLAR ALLOWS FOR DUCT CONNECTIONS

BALANCEAIRE NOT INCLUDED

INTERNALLY ADJUSTABLE VARIABLE VOLUME DAMPER



NO DAMPER

THE BALANCEAIRE'S OPPOSED BLADES CAN BE ADJUSTED TO VARYING POSITIONS FROM 100% OPEN TO 95% CLOSED TO INCREASE OR DECREASE THE AMOUNT OF RESISTANCE IN THE HOODS EXHAUST COLLAR. THE EXHAUST FAN MUST BE SIZED TO ACCOUNT FOR THE BALANCEAIRE'S ADDED RESISTANCE.

GENERAL NOTES:

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC. (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY DEVIATIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT STAND ANY EXPENSE FOR CHANGES MADE NECESSARY DUE TO LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR; BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

HOOD SCHEDULE

NO.	MODEL	L	W	H	WEIGHT	EXHAUST SPEC. CFM	SP	CFM/FT	DIST. FROM COOKING SURFACE TO LOWER EDGE OF HOOD OH1 MIN.	OH1 MAX.	MINIMUM OVERHANG OPEN SIDES OH2 SIDE	OH3 FRONT	EQUIP. DUTY TEMPERATURE MAX.
117	SAWCBD 1546324	154	63	24	1082	2310	0.55	180	36	48	6	6	450

1. GREATER EXHAUST AND/OR LESSER SUPPLY AIR FLOW RATES MAY BE REQUIRED FOR COMPLETE VAPOR AND SMOKE REMOVAL IN SPECIFIC INSTALLATION(S).
2. THE EXHAUST FAN MUST BE OPERATED WHENEVER THE COOKING EQUIPMENT IS TURNED ON. (NFPA SECTION 11.1.1).

HOOD CANOPY MATERIAL: ALL 304 SERIES STAINLESS STEEL

HOOD LEGEND

1. ALL WELDED ENCLOSURE
2. 16 GA. SIDES, REMAINDER OF HOOD TO BE NO LESS THAN 18 GA.
3. PITCHED GREASE DRIP TRAY
4. ENCLOSED METAL CONTAINER
6. ENCLOSURE PANEL
8. 12" HOOD OVERHANG IS RECOMMENDED FOR ALL HEAVY DUTY COOKING APPLIANCES
9. 8" ROUND INTERNAL HOOD FAN (IHF) COLLAR WITH UL LISTED FIRE DAMPER 6"X6"
10. 8" ROUND IHF SUPPLY DUCT (SHIPPED LOOSE FOR SA OPTION A)
13. INTERNAL HOOD FAN W/SPEED CONTROL

ELECTRICAL SCHEDULE

CIRCUIT	DESCRIPTION	VOLTS/PHASE	AMPS	FEED FROM

CB: CIRCUIT BREAKER

DEMANDAIRE DRAWINGS

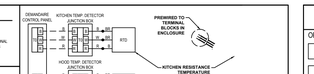
IF AN ELECTRICAL PANEL FOR THE HOODS IS INCLUDED, THE ABOVE SCHEDULE IS NOT VALID. REFER TO DEMANDAIRE DRAWINGS.

ELECTRICAL LEGEND

- STREIVOR FACTORY WIRING
- FIELD WIRING NOT PROVIDED BY STREIVOR
- E1 HOOD LIGHTS JUNCTION BOX SEE DETAIL E1
- E2 INTERNAL HOOD FAN(S) JUNCTION BOX SEE DETAIL E2
- E3 TEMPERATURE DETECTOR(S) JUNCTION BOX SEE DETAIL E3

NOTE: FACTORY INSTALLATION OF JUNCTION BOXES MAY DIFFER FROM LOCATION ON DRAWINGS

E1 HOOD LIGHT FIXTURE WIRING DETAIL



ELECTRICAL WIRING NOTES:
1. QUANTITY OF CONTROL TO BE DETERMINED BY THE LENGTH & QUANTITY OF HOODS
2. DEMANDAIRE CONTROL PANEL CONTROLS ALL HOOD LIGHTS
3. LIGHTS CONTROLLED VIA HMI TOUCH SCREEN OR TOGGLE SWITCH
4. REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

E2 INTERNAL HOOD FAN (IHF) WIRING DETAIL



ELECTRICAL WIRING NOTES:
1. QUANTITY OF INTERNAL HOOD FANS WILL BE DETERMINED BY THE LENGTH & QUANTITY OF HOODS
2. DEMANDAIRE CONTROL PANEL TO ELECTRICALLY INTERLOCK ASSOCIATED EXHAUST FANS, MAKE UP AIR UNITS & COOKING EQUIPMENT
3. MAXIMUM OF TWO INTERNAL HOOD FANS PER HOOD
4. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
5. DEMANDAIRE CONTROL PANEL CONTROLS INTERNAL HOOD FANS TO COMPLY WITH NFPA 96 SECTION 9.3.2
6. REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

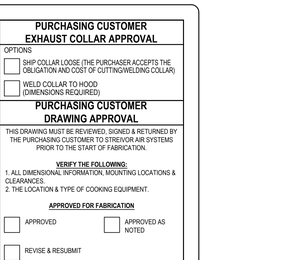
NFPA 96 SECTION 9.3.2
"SHUNT TRIP AND LINKAGE OPENING SYSTEMS DISCHARGE, MAKEUP AIR SUPPLIED INTERNALLY"
IF A HOOD SHALL BE SHUT OFF.

E3 KITCHEN & HOOD RESISTANCE TEMPERATURE DETECTOR (RTD) WIRING DETAIL

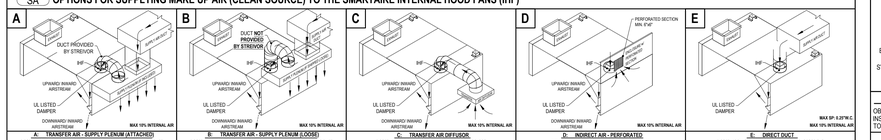


ELECTRICAL WIRING NOTES:
1. WHEN THE TEMPERATURE DETECTED BY THE RTD EXCEEDS ONE OF ITS SET POINTS, THE FAN SPEED CONTROL SIGNAL PROVIDED BY THE DEMANDAIRE CONTROL PANEL WILL VARY ACCORDINGLY
2. RTD PROBE SHIPPED IS ADJUSTABLE VIA HMI TOUCH SCREEN SETTINGS
3. STREIVOR RECOMMENDS ALL WIRING BETWEEN RTD AND DEMANDAIRE CONTROL PANEL TO BE UL-LISTED 20 AWG THREE STRAND SHIELDED COMMUNICATION CABLE
4. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
5. THERE ARE TYPICALLY TWO TEMPERATURE DETECTORS PER HOOD, EACH REQUIRING A DEDICATED THREE WIRE CONNECTION BACK TO THE DEMANDAIRE CONTROL PANEL
6. KITCHEN RESISTANCE TEMPERATURE DETECTOR SHOULD BE INSTALLED AWAY FROM DIRECT SUNLIGHT, MAKEUP AIR DIFFUSER AIRSTREAMS AND OTHER SOURCES OF HEATED OR COOLED AIR
7. REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

NFPA 96 SECTION 9.3.2.5
THE EXHAUST FAN SHALL BE PROVIDED WITH A MEANS SO THAT THE FAN IS ACTIVATED WHEN ANY APPLIANCE UNDER THE HOOD IS TURNED ON

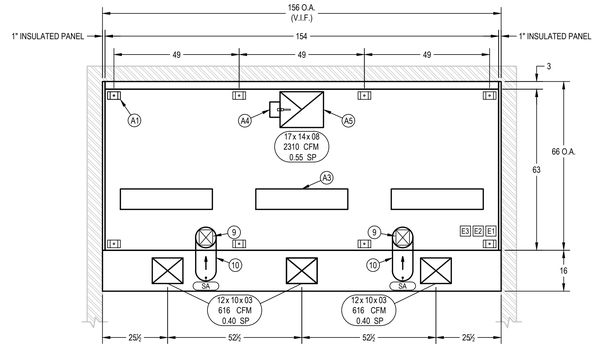


SA OPTIONS FOR SUPPLYING MAKE UP AIR (CLEAN SOURCE) TO THE SMARTAIRE INTERNAL HOOD FANS (IHF)

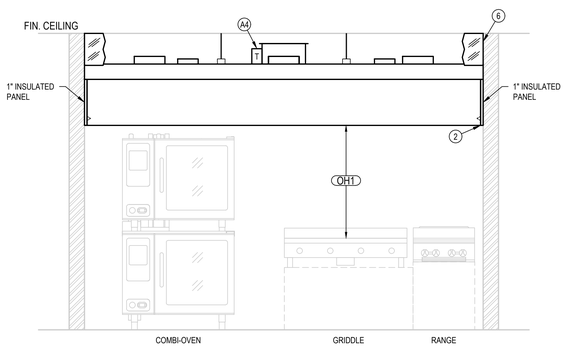


STREIVOR'S SMARTAIRE HOOD MODEL (SAHCBD) HAS INTERNAL HOOD FANS MOUNTED INSIDE OF THE HOOD'S SMARTAIRE PLENUM. THE INTERNAL HOOD FANS HAVE THE CAPABILITY OF OVERCOMING STATIC PRESSURES OF UP TO 0.35 IN. WATER COLUMN AND CAN PULL TRANSFER AIR INTO THE HOOD'S SMARTAIRE PLENUM. THE SMARTAIRE TECHNOLOGY INCLUDES TWO LOW-VOLUME, HIGH-VELOCITY AIR STREAMS INCORPORATED INTO THE LOWER FRONT EDGE OF THE HOOD. THE AIR STREAMS RUN CONTINUOUSLY ACROSS THE INNER FRONT EDGE OF THE HOOD. ONE AIR STREAM IS DIRECTED IN AN UPWARD, INWARD DIRECTION AND ONE AIR STREAM IS DIRECTED IN A DOWNWARD, INWARD DIRECTION. THE SMARTAIRE TECHNOLOGY SIGNIFICANTLY IMPROVES THE HOOD'S ABILITY TO CAPTURE AND CONTAIN THE THERMAL PLUME AND COOKING EFFLUENTS GENERATED FROM COOKING APPLIANCES UNDER THE HOOD. THE AIR STREAMS ARE LOCATED WITHIN THE HOOD'S CANOPY AND ARE THEREFORE CONSIDERED TO BE REPLACEMENT/COMPENSATING AIR. EFFORTS SHOULD BE TAKEN TO ENSURE THAT UNCLEAN TRANSFER AIR (SUCH AS ATTIC AIR) IS NOT USED FOR THE SMARTAIRE TECHNOLOGY AIR STREAMS.

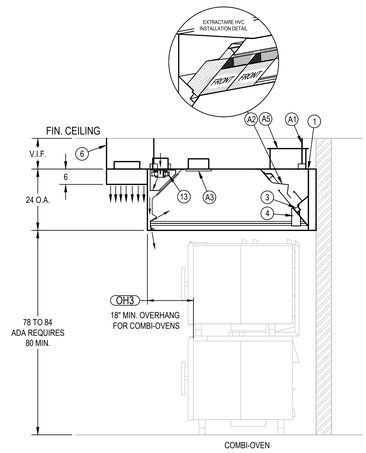
ASHRAE/ANSI 90.1 AND CALIFORNIA TITLE24 ENERGY CODES LIMIT THE AMOUNT OF REPLACEMENT AIR THAT CAN BE INTRODUCED INTO A HOOD TO 10% OF THE HOOD EXHAUST AIRFLOW RATE. SMARTAIRE HOODS ARE DESIGNED TO COMPLY WITH THESE ENERGY CODES.



HOOD #117
PLAN VIEW



HOOD #117
ELEVATION VIEW



HOOD #117
SECTION VIEW

PURCHASING CUSTOMER EXHAUST COLLAR APPROVAL

OPTIONS

☐ SHIP COLLAR LOOSE (THE PURCHASER ACCEPTS THE OBLIGATION AND COST OF CUTTING/WELDING COLLAR)

☐ WELD COLLAR TO HOOD (DIMENSIONS REQUIRED)

PURCHASING CUSTOMER DRAWING APPROVAL

THIS DRAWING MUST BE REVIEWED, SIGNED & RETURNED BY THE PURCHASING CUSTOMER TO STREIVOR AIR SYSTEMS PRIOR TO THE START OF FABRICATION.

VERIFY THE FOLLOWING:

1. ALL DIMENSIONAL INFORMATION, MOUNTING LOCATIONS & CLEARANCES.
2. THE LOCATION & TYPE OF COOKING EQUIPMENT.

APPROVED FOR FABRICATION

☐ APPROVED ☐ APPROVED AS NOTED

☐ REVISE & RESUBMIT

APPROVED BY DATE

NOTE TO REVIEWER:

ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY AFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, A RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED.

PRE - INSTALLATION

OBTAIN, READ AND UNDERSTAND STREIVOR'S HOOD INSTALLATION, OPERATION AND MAINTENANCE MANUAL PRIOR TO INSTALLATION, STARTUP OR BALANCING.

INSTALLATION

ALL INSTALLATION, STARTUP AND BALANCING MUST BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH ALL APPLICABLE PREVAILING CODES AND STANDARDS.

STANDARD NFPA 96 HOOD CLEARANCES
0" TO NON-COMBUSTIBLE MATERIALS
3" TO LIMITED-COMBUSTIBLE MATERIALS
18" TO COMBUSTIBLE MATERIAL

OVERHEAD CLEARANCES
10" CLEARANCE IS REQUIRED ABOVE THE HOOD

REDUCED CLEARANCES
REDUCED CLEARANCES MAY BE AVAILABLE. CONSULT FACTORY FOR REDUCED CLEARANCE OPTIONS.

TEST AND BALANCE
THE SPECIFIED EXHAUST CFMS LISTED ON THIS DRAWING MUST BE MET DURING TEST AND BALANCE OF THE HOOD SYSTEM(S).
VARIANCE EXHAUST = -0% +10%
VARIANCE SUPPLY= -10% +0%

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- CERTIFICATIONS
- DATA SHEETS & MEDIA

PROJECT:
NORTHERN NEVADA CORRECTIONAL CENTER

---,-- -----
THE MARSHALL ASSOCIATES

HOOD #:	117
DATE:	09/08/2026
DRAWN BY:	GRD
CHECKED BY:	PJK
SPECIFIER:	THE MARSHALL ASSOCIATES
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1'-0"

IF BAR DOES NOT MEASURE 1" THIS DRAWING IS NOT PLOTTED TO SCALE

	DESCRIPTION	DATE	INT
1	---	--/--/--	---
2	---	--/--/--	---
3	---	--/--/--	---
4	---	--/--/--	---
5	---	--/--/--	---
6	---	--/--/--	---

DRAWING:
H-02
SHEET 02 OF 04

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reno, nevada 89502
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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
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2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule		
#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - EXHAUST HOOD ITEM 117

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.34

6/18/2026 12:55:04 PM

LISTINGS & STANDARDS

THIS WET CHEMICAL EXTINGUISHING SYSTEM IS ENGINEERED TO PROVIDE FIRE PROTECTION FOR RESTAURANT HOODS, DUCTS AND COOKING APPLIANCES, IS **UL 300** LISTED AND IS TO BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

- NFPA 17A 2024 EDITION
- NFPA 10 2022 EDITION
- NFPA 96 2024 EDITION

NFPA LISTED UL 300 ANSUL

SECTIONS & CODES

NFPA 10 2022 EDITION

(6.6.2) MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 30 FT (9.1 M) FROM THE HAZARD TO THE EXTINGUISHER(S)

NFPA 17A 2024 EDITION

(5.2.1.10.1) EACH MANUAL ACTUATION DEVICE SHALL BE INSTALLED NO MORE THAN 48 IN. (1200 MM) AND NO LESS THAN 42 IN. (1067 MM) ABOVE THE FLOOR.

NFPA 96 2024 EDITION

(8.2.3.1) A HOOD EXHAUST FAN(S) SHALL CONTINUE TO OPERATE AFTER THE EXTINGUISHING SYSTEM HAS BEEN ACTIVATED UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE DESIGN OF THE EXTINGUISHING SYSTEM.

(8.2.3.2) THE HOOD EXHAUST FAN SHALL START UPON ACTIVATION OF THE EXTINGUISHING SYSTEM IF THE EXHAUST FAN AND ALL COOKING EQUIPMENT SERVED BY THE FAN HAVE BEEN SHUT DOWN, UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE LISTING OF THE EXTINGUISHING SYSTEM.

(8.3.2) WHEN THE FIRE-EXTINGUISHING SYSTEM ACTIVATES, MAKEUP AIR SUPPLIED INTERNALLY TO A HOOD SHALL BE SHUT OFF.

(10.4.1) UPON ACTIVATION OF ANY FIRE EXTINGUISHING SYSTEM FOR A COOKING OPERATION, ALL SOURCES OF FUEL AND ELECTRICAL POWER THAT PRODUCE HEAT TO ALL EQUIPMENT REQUIRING PROTECTION BY THAT SYSTEM SHALL AUTOMATICALLY SHUT OFF.

(10.4.3) GAS APPLIANCE NOT REQUIRING PROTECTION BUT LOCATED UNDER VENTILATING EQUIPMENT WHERE PROTECTED APPLIANCES ARE LOCATED SHALL BE AUTOMATICALLY SHUT OFF UPON ACTIVATION OF THE EXTINGUISHING SYSTEM

(10.4.4) SHUTOFF DEVICE SHALL REQUIRE MANUAL RESETTING PRIOR TO FUEL / POWER BEING RESTORED

(10.5.1.1) AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

(10.5.1.2) THE MANUAL ACTUATION DEVICE SHALL CLEARLY IDENTIFY THE HAZARD PROTECTED.

CMC 2023 EDITION

(913.5) ALL SYSTEMS SHALL HAVE BOTH AUTOMATIC AND MANUAL METHODS OF ACTUATION. AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

INSTALLATION REQUIREMENTS

1. ALL PIPE SHALL BE SCHEDULE 40 BLACK IRON. CHROME PLATED/SLEEVED WHERE EXPOSED.
2. ALL CYLINDER SYSTEMS SHALL HAVE 3/8" SUPPLY LINES AND 3/8" BRANCH LINES.
3. ALL WIRE ROPE SHALL BE 1/16" STAINLESS STEEL AND RUN THROUGH 1/2" EMT CONDUIT.
4. U.L. LISTED CORNER PULLEYS REQUIRED WHENEVER THE STAINLESS STEEL CABLE DIRECTION CHANGES.
5. ALL EQUIPMENT WITH FIRE PROTECTION MUST BE SECURED TO FLOOR. (NOT BY STREVOR)
6. SWIVEL ADAPTERS MAY BE ADDED TO NOZZLES FOR UP TO 30° ROTATION.

SYSTEM #2

PAGE NUMBERS REFERENCED FROM THE ANSUL R-102 FIRE SUPPRESSION SYSTEM TECHNICAL MANUAL

CABLE/LINE LIMITATIONS - AUTOMAN B

		LENGTH		PULLEYS	BRACKETS
FUSIBLE LINK (pg. 4-71)	MAXIMUM	150.00	FT	20	15
	ALLOTTED	22.00	FT	3	3 *
PULL STATION - B (pg. 4-73)	MAXIMUM	150.00	FT	20	N/A
	ALLOTTED	24.00	FT	2	N/A
GAS VALVE(S) (pg. 4-74)	MAXIMUM	150.00	FT	20	N/A
	ALLOTTED	--.--	FT	--	N/A
GAS CARTRIDGE(S) (pg. 4-61)	MODEL	LT-30-R		--	--
	PART NUMBER	423435		--	--

CYLINDER #2

COVERAGE DESCRIPTION	NOZZLE	QTY.	FLOW POINTS	PAGE
DUCT	2W	1	2	4-1
PLENUM	1N	2	2	4-5
GRIDDLE	260	1	2	4-19
RANGE	245	1	2	4-14

MODEL	FLOW POINTS	FIRST TO LAST
3 GALLON	8 ALLOTTED	12 FT

DUCT	PLENUM	EQUIP.	SUPPLY
4 FT	1 FT	1 FT	21 FT
MAX: 8 FT	MAX: 4 FT	MAX: 12 FT	MAX: 40 FT

CYLINDER/PIPING LIMITATIONS

CYLINDER	FLOW POINTS	TOTAL LENGTH OF ALL BRANCH LINES	LENGTH BETWEEN FIRST TO LAST BRANCH
1.5 GALLON	5	22 FT	8 FT
3.0 GALLON	11	36 FT	24 FT

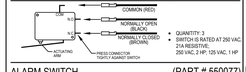
** CALCULATIONS BASED ON 3/8" PIPE (SEE PG. 4-67)

LEGEND

- STREIVOR FACTORY PIPING
- FIELD PIPING
- DETECTOR BRACKET (FRONT VIEW)
- DETECTOR BRACKET (PLAN VIEW)
- NOZZLE COVERAGE
- 2W / 100 — DUCT NOZZLE MAX PERIMETER
- 1N / 120 — PLENUM NOZZLE MAX PLENUM LENGTH
- 1N / 40 / 30 — APPLIANCE NOZZLE AND HEIGHT
- 1X — DOWNWARD FACING NOZZLE
- 1X — ANGLED NOZZLE AND TARGET LOCATION

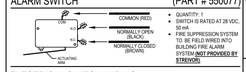
MECHANICAL AUTOMAN (PART #79493) & ELECTRICAL WIRING

ELECTRICAL SWITCH (PART # 551154)



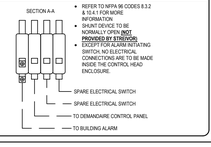
- QUANTITY: 3
- SWITCH IS RATED AT 250 VAC, 21A RESISTIVE, 250 VAC, 2 HP, 125 VAC, 1 HP

ALARM SWITCH (PART # 550077)

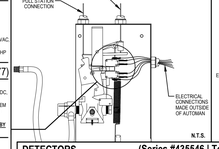


- QUANTITY: 1
- SWITCH IS RATED AT 28 VDC, 50 mA
- FIRE SUPPRESSION SYSTEM TO BE FIELD WIRED INTO BUILDING FIRE ALARM SYSTEM **(NOT PROVIDED BY STREVOR)**

ELECTRICAL SWITCH WIRING

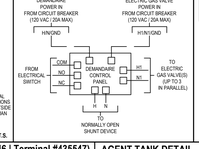


- REFER TO NFPA 96 CODES 8.3.2 & 10.4.1 FOR MORE INFORMATION
- SHUNT DEVICE TO BE NORMALLY OPEN **(NOT PROVIDED BY STREVOR)**
- EXCEPT FOR ALARM INITIATING SWITCH, NO ELECTRICAL CONNECTIONS ARE TO BE MADE INSIDE THE CONTROL HEAD ENCLOSURE.

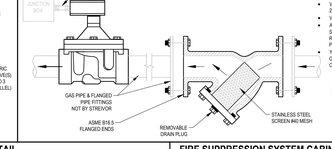


DEMANDAIRE RESET RELAY

- REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION AND LOCATION



ELECTRIC GAS SHUT-OFF VALVE & FLANGED Y-STRAINER (SEE MEP DRAWINGS FOR LOCATION)

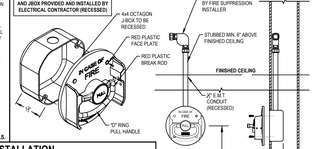


- GAS SHUT-OFF VALVE(S) TO BE SIZED AND LOCATED PER MEP DRAWINGS **(MAXIMUM VALVE SIZE: 3" NPT)**
- VALVE(S) AND STRAINERS TO BE INSTALLED BY DIVISION 22 (PLUMBING)
- VALVE REQUIRES SEPARATE 120VAC/1, 15A CIRCUIT
- ACTIVATION OF THE FIRE EXTINGUISHING SYSTEM WILL SHUT OFF THE VALVE PREVENTING GAS FLOW AND WILL REMAIN CLOSED UNTIL THE RESET RELAY IS MANUALLY PRESSED.
- Y-STRAINER REQUIRED FOR THE PROTECTION OF THE GAS VALVE. INSTALL A Y-STRAINER ON THE INLET SIDE OF THE GAS VALVE (AS CLOSE AS POSSIBLE).

Y-STRAINER NOT PROVIDED BY STREVOR UNLESS SPECIFICALLY INCLUDED IN PURCHASE ORDER.

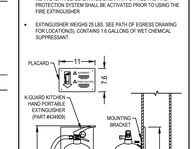
PULL STATION (PART #434618) AND INSTALLATION (RECESSED)

NOTE: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 2" E.M.T. CONDUIT AND JBOX PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR (RECESSED)

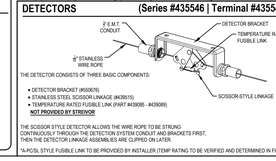


EXTINGUISHER INSTALLATION

- NFPA 96 10.2.2 , A PLACARD SHALL BE CONSPICUOUSLY PLACED NEAR EACH K CLASS EXTINGUISHER THAT STATES THE FIRE PROTECTION SYSTEM SHALL BE ACTIVATED PRIOR TO USING THE FIRE EXTINGUISHER
- EXTINGUISHER WEIGHS 25 LBS. SEE PATH OF EGRESS DRAWING FOR LOCATION(S). CONTAINS 1.6 GALLONS OF WET CHEMICAL SUPPRESSANT.



DETECTORS (Series #435546 | Terminal #435547)



THE DETECTOR CONSISTS OF THREE BASIC COMPONENTS:

- DETECTOR BRACKET (#550076)
- STAINLESS STEEL SCISSOR LINKAGE (#435615)
- TEMPERATURE RATED FUSIBLE LINK (PART #439085 - #439089) **NOT PROVIDED BY STREVOR**

THE SCISSOR STYLE DETECTOR ALLOWS THE WIRE ROPE TO BE STRUNG CONTINUOUSLY THROUGH THE DETECTION SYSTEM CONDUIT AND BRACKETS FIRST. THEN THE DETECTOR LINKAGE ASSEMBLIES ARE CLIPPED ON LATER.

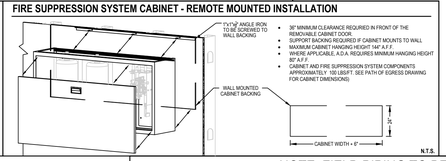
*A PCSL STYLE FUSIBLE LINK TO BE PROVIDED BY INSTALLER (TEMP RATING TO BE VERIFIED AND DETERMINED IN FIELD)

AGENT TANK DETAIL

- 3 GALLON SHIPPING WEIGHT 7 LB (3.2KG) - PART #429862
- 1.5 GALLON SHIPPING WEIGHT 5 LB (2.3KG) - PART #429864

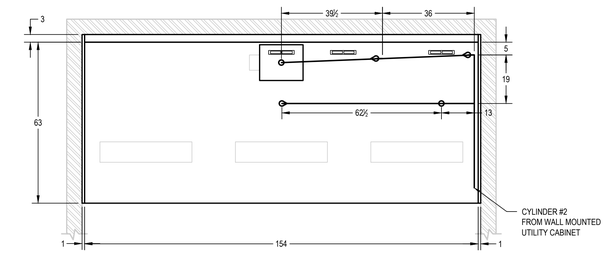
THE STAINLESS STEEL TANK IS SHIPPED UNCHARGED AND MUST BE FILLED WITH ONLY ANSULEX LOW PH LIQUID FIRE SUPPRESSANT DURING INSTALLATION. ANSULEX IS A POTASSIUM-BASED SOLUTION DESIGNED FOR FAST KNOCK-DOWN AND SUPPRESSION OF GREASE-RELATED FIRES.

FIRE SUPPRESSION SYSTEM CABINET - REMOTE MOUNTED INSTALLATION



- 30" MINIMUM CLEARANCE REQUIRED IN FRONT OF THE REMOVABLE CABINET DOOR.
- SUPPORT BACKING REQUIRED IF CABINET MOUNTS TO WALL
- MAXIMUM CABINET HANGING HEIGHT 144" A.F.F.
- WHERE APPLICABLE, A.D.A. REQUIRES MINIMUM HANGING HEIGHT 80" A.F.F.
- CABINET AND FIRE SUPPRESSION SYSTEM COMPONENTS APPROXIMATELY 100 LBS/FT. SEE PATH OF EGRESS DRAWING FOR CABINET DIMENSIONS)

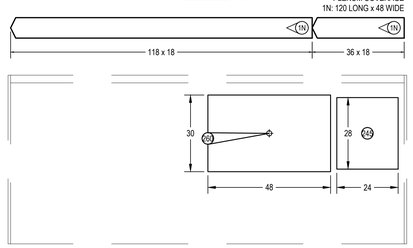
SYSTEM #2 : HOOD #117

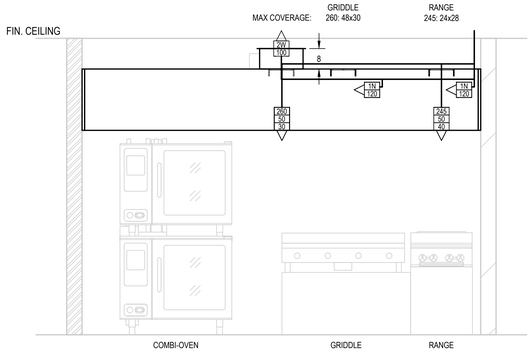


DUCT NOZZLE COVERAGE
2W: 100 PERIMETER



PLENUM COVERAGE
1N: 120 LONG x 48 WIDE

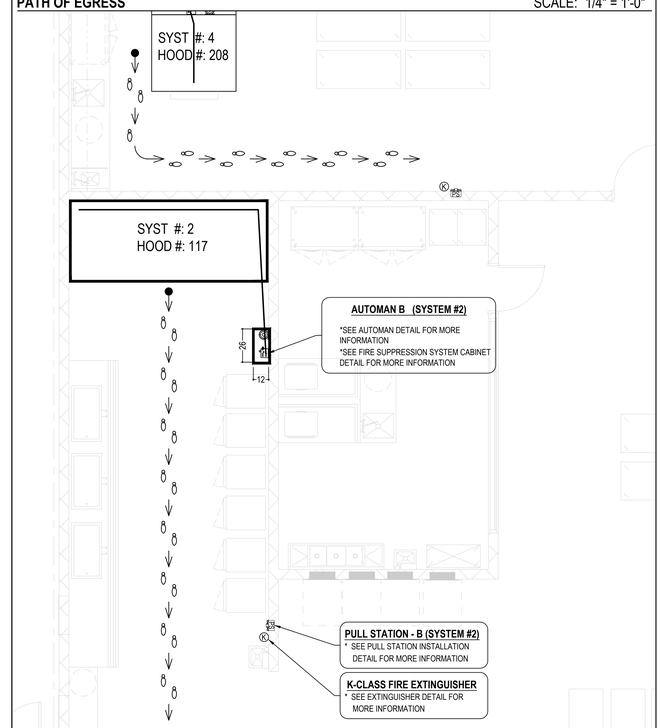




NOTE: FIELD PIPING TO BE INSTALLED BY A STREIVOR APPOINTED CERTIFIED & LICENSED FIRE SUPPRESSION INSTALLER

PATH OF EGRESS

SCALE: 1/4" = 1'-0"



EGRESS LEGEND

- PATH OF EGRESS
- DETECTION LINE ROUTE
- K — K-CLASS FIRE EXTINGUISHER (NOT PROVIDED BY STREVOR UNLESS SPECIFICALLY INCLUDED IN PURCHASE ORDER)
- PS — PULL STATION
- AUTOMAN
- GV — GAS SHUT-OFF VALVE (SIZE AND LOCATION PER MEP DRAWINGS)

CUSTOMER APPROVAL

COOKING EQUIPMENT VERIFICATION

VERIFY THE FOLLOWING:

HIGH BACK SHELVES	YES ☐	NO ☐
RANGE COOKING SURFACE DEPTH GREATER THAN 28"	YES ☐	NO ☐
PULL STATION LOCATION(S)	YES ☐	NO ☐
UTILITY CABINET LOCATION(S)	YES ☐	NO ☐
AGENT DISTRIBUTION HOSE AND RESTRAINING CABLE KIT	YES ☐	NO ☐
CEILING HEIGHT	____'-____"	

APPROVED BY _____ DATE _____

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GENERAL NOTES:

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STREIVOR™ AIR SYSTEMS

"STRIVING FOR EXCELLENCE"

2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9080 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- CERTIFICATIONS
- REFERENCES AND MEDIA

PROJECT:

NORTHERN NEVADA CORRECTIONAL CENTER

1721 SNYDER AVE.
CARSON CITY, NV 89701

THE MARSHALL ASSOCIATES

ITEM #:	118
SYSTEM #:	2
HOOD #:	117
DATE:	09/08/2026
DRAWN BY:	SWB
CHECKED BY:	KCS
CONSULTANT:	THE MARSHALL ASSOCIATES
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1' - 0"

IF BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT PLOTTED TO SCALE

	DESCRIPTION	DATE	INT
1	---	--/--/--	---
2	---	--/--/--	---
3	---	--/--/--	---
4	---	--/--/--	---
5	---	--/--/--	---
6	---	--/--/--	---

DRAWING:

F-02

SHEET 02 OF 05

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VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
p: 775.328.1010
f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - FIRE SUPPRESSION ITEM 118

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.35

6/18/2026 12:55:04 PM

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PRE-INSTALLATION

OBTAIN, READ AND UNDERSTAND STREIVOR'S DEMANDAIRE INSTALLATION, OPERATION AND MAINTENANCE MANUAL PRIOR TO INSTALLATION, OR STARTUP OR BALANCING.

INSTALLATION

ALL INSTALLATION AND STARTUP MUST BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH ALL APPLICABLE PREVAILING CODES AND STANDARDS

WIRING NOTES

1. FIELD WIRING TERMINALS USE COPPER WIRE ONLY
2. WIRE MUST BE RATED UP TO 600V
3. WIRE TEMPERATURE RATING 60° C MIN
4. LARGE TERMINAL BLOCK TIGHTENING TORQUE 1.5 - 1.8 (NM)
5. SMALL TERMINAL BLOCK TIGHTENING TORQUE 0.6 - 0.8 (NM)
6. SHIELDS OF SHIELDED CABLES MUST BE GROUNDED ON ONE SIDE

COMMISSIONING NOTES

IF COMMISSIONING IS INCLUDED, STREIVOR'S DEMANDAIRE PRE-COMMISSIONING CHECKLIST MUST BE SIGNED AND RETURNED BY THE CUSTOMER A MINIMUM OF **15 CALENDAR DAYS** PRIOR TO THE REQUESTED COMMISSIONING DATE TO AVOID INCURRING ADDITIONAL TRAVEL AND/OR EXPEDITING COSTS

HOOD SCHEDULE

HOOD	GROUP	SUPPLY FAN	EXHAUST FAN	FSS#	CIRCUIT DESCRIPTION	HP	V/Ø	AMPS	FEED
117	---	SF-X	EF-X	2	CONTROL PANEL	---	120/1	16	CB
---	---	---	---	---	GAS VALVE	---	120/1	16	CB
---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---
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REFER TO HOOD DRAWINGS FOR HOOD DETAILS — **CB:** CIRCUIT BREAKER BY ELECTRICAL CONTRACTOR

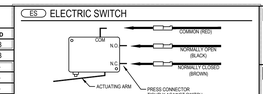
ELECTRICAL ROUGH-IN SCHEDULE

ITEM	DETAIL	ROUGH-IN REQUIREMENTS	ELECTRICAL CONDUIT
DEMANDAIRE CONTROL PANEL	DCP	14 1/4" X 16 1/4" I.D. FRAMED OPENING	120 VAC, 24 VDC, 4-20 mA
---	---	---	---
---	---	---	---

ELECTRICAL CONTRACTOR TO VERIFY ROUGH-IN LOCATION AND ELECTRICAL REQUIREMENTS

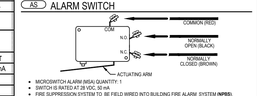
UL LISTED
STD 508A

ES ELECTRIC SWITCH



- MICROSWITCH (MS) QUANTITY: 3
- SWITCH IS RATED AT 20 VAC, 21A RESISTIVE; 250 VAC, 2 HP; 125 VAC, 1 HP

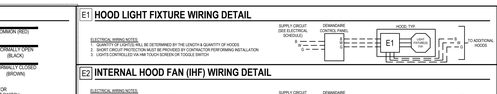
AS ALARM SWITCH



- MICROSWITCH ALARM (MSA) QUANTITY: 1
- SWITCH IS RATED AT 28 VDC, 30 mA
- FIRE SUPPRESSION SYSTEM TO BE FIELD WIRED INTO BUILDING FIRE ALARM SYSTEM **(NPSS)**

ELECTRICAL/ALARM SWITCH COMPONENTS AND FUNCTIONALITY PROVIDED AS PART OF THE FIRE SUPPRESSION SYSTEM

E1 HOOD LIGHT FIXTURE WIRING DETAIL

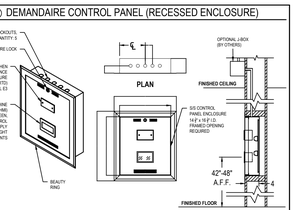


E2 INTERNAL HOOD FAN (IHF) WIRING DETAIL

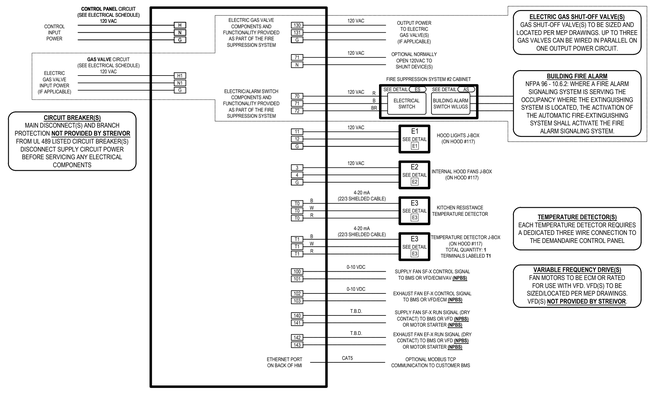


E3 KITCHEN & HOOD RESISTANCE TEMPERATURE DETECTOR (RTD) WIRING DETAIL

DCP DEMANDAIRE CONTROL PANEL (RECESSED ENCLOSURE)



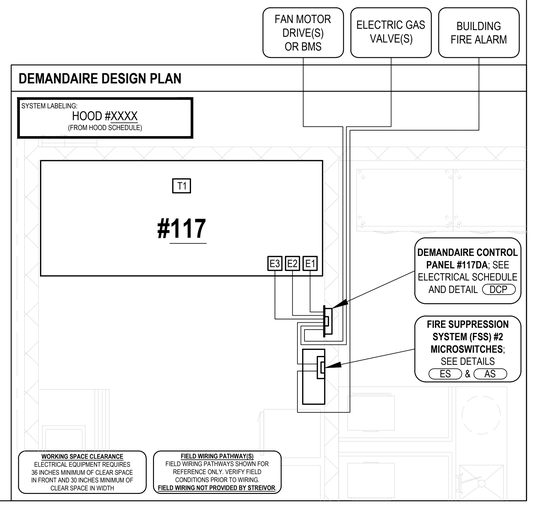
DEMANDAIRE SILVER CONTROL PANEL WIRING DIAGRAM
#117.DA



LEGEND (WIRING DIAGRAM & DESIGN PLAN)

- ——— STREIVOR FACTORY WIRING
- — – — VOLTAGE T.B.D. FIELD WIRING **(NPSS)**
- – – – – 120/1 VAC FIELD WIRING **(NPSS)**
- — – – LOW VOLTAGE FIELD WIRING **(NPSS)**
- E1 HOOD LIGHT(S) JUNCTION BOX — SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E1
- E2 INTERNAL HOOD FAN(S) JUNCTION BOX — SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E2
- E3 TEMPERATURE DETECTOR(S) JUNCTION BOX — SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E3
- T# RESISTANCE TEMPERATURE DETECTOR(S) — SEE DEMANDAIRE DESIGN PLAN
- VFD VARIABLE FREQUENCY DRIVE
- BMS BUILDING MANAGEMENT SYSTEM
- **NPSS** NOT PROVIDED BY STREIVOR

DEMANDAIRE DESIGN PLAN



DRAWING APPROVAL

THIS DRAWING MUST BE REVIEWED, SIGNED & RETURNED TO STREIVOR AIR SYSTEMS PRIOR TO THE START OF FABRICATION.

VERIFY THE FOLLOWING:

1. ALL DIMENSIONAL INFORMATION, MOUNTING LOCATIONS & CLEARANCES.
2. FAN HORSEPOWER, VOLTAGE & PHASE (IF VFDS OR MOTOR STARTERS ARE PROVIDED BY STREIVOR)

APPROVED FOR FABRICATION

- ☐ APPROVED
- ☐ APPROVED AS NOTED
- ☐ REVISE & RESUBMIT

APPROVED BY _____ DATE _____

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PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- SEQUENCE OF OPERATION
- CERTIFICATIONS AND MEDIA

PROJECT:
NORTHER NEVADA CORRECTIONAL CENTER
1721 SNYDER AVE.
CARSON CITY, NV 89701
THE MARSHALL ASSOCIATES

SHORT CIRCUIT CURRENT RATING : 9KA RMS, 120V MAX
VERIFY JOB SITE REQUIREMENTS

SERIAL NO.	DA------
CONTROL PANEL NO.	---
C.P. ENCLOSURE NO.	---
HMI ENCLOSURE NO.	---
ITEM #:	117.DA
MODEL:	SILVER
DATE:	09/03/26
DRAWN BY:	ADL
CHECKED BY:	PJK
CONSULTANT:	THE MARSHALL ASSOCIATES
SCALE:	N.T.S.

	DESCRIPTION	DATE	INT
1	---	-/-/--	---
2	---	-/-/--	---
3	---	-/-/--	---
4	---	-/-/--	---
5	---	-/-/--	---

DRAWING:
DA-02
SHEET 02 OF 04

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VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
p: 775.328.1010
f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - DCKV SYSTEM FOR HOOD ITEM 117

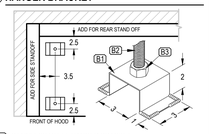
job number
25015

date
OCTOBER 27, 2026

drawing number
FS.36

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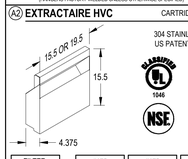
A1 HANGER BRACKET



B1 STAINLESS STEEL HANGER BRACKET
B2 ⅜" THREADED ROD
B3 ⅜" HEAVY DUTY LOCK NUTS, (1) ABOVE (1) BELOW
(THREADED ROD & LOCK NUTS NOT PROVIDED)
(HANGERS FACTORY WELDED UNLESS OTHERWISE SPECIFIED)

A2 EXTRACTAIRE HVC

CARTRIDGE FILTER

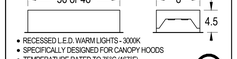


304 STAINLESS STEEL
US PATENT® 6,394,083

FILTER		W=12		W=16		W=20			
H x L	EFF AREA	QTY	AREA	QTY	AREA	QTY	AREA		
1616	0.40			4	1.60				
1620	0.51			2	1.02	2	1.02		
TOTAL EFF AREA =				6	2.62	2	1.02	=	3.64

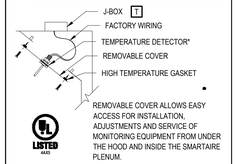
HOOD EX. CFM = TOTAL EFF AREA × FPM
OPERATING RANGE OF THE FILTER (250 TO 1400 FPM)

A3 HOOD CANOPY LIGHTING FIXTURE



- RECESSED L.E.D. WARM LIGHTS - 3000K
- SPECIFICALLY DESIGNED FOR CANOPY HOODS
- TEMPERATURE RATED TO 75°C (167°F)
- MEETS NFPA CODE 96 & NEC 410
- TOTAL LUMENS OUTPUT = 4228 (36"), 4925 (48")
- 43 WATTS (36"), 53 WATTS (48")

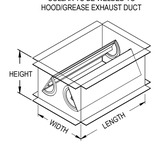
A8 LISTED ACCESS PANEL



*FOR TEMPERATURE DETECTOR WIRING SEE DETAIL E3

A5 DUCT CONNECTION DETAIL

BALANCEAIRE INCLUDED
INTERNALLY ADJUSTABLE VARIABLE VOLUME DAMPER



1" FLANGE AT TOP AND BOTTOM OF COLLAR ALLOWS FOR DUCT CONNECTIONS

US PATENT# D634,419 S

THE BALANCEAIRE'S OPPOSED BLADES CAN BE ADJUSTED TO VARYING POSITIONS FROM 100% OPEN TO 95% CLOSED TO INCREASE OR DECREASE THE AMOUNT OF RESISTANCE IN THE HOODS EXHAUST COLLAR. THE EXHAUST FAN MUST BE SIZED TO ACCOUNT FOR THE BALANCEAIRE'S ADDED RESISTANCE.

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HOOD SCHEDULE

EXHAUST

NO.	MODEL	L	W	H	WEIGHT	SPEC. CFM	SP	CFM/FT	DIST. FROM COOKING SURFACE TO LOWER EDGE OF HOOD. OH1 MIN.	OH1 MAX.	MINIMUM OVERHANG OPEN SIDES OH2 SIDE	OH3 FRONT	EQUIP. DUTY TEMPERATURE MAX.
172	SAWCBD 1686624	168	66	24	1732	2520	0.55	180	36	48	6	6	450
173	SAWCBD 1686624	168	66	24	1732	2520	0.55	180	36	48	6	6	450

1. GREATER EXHAUST AND/OR LESSER SUPPLY AIR FLOW RATES MAY BE REQUIRED FOR COMPLETE VAPOR AND SMOKE REMOVAL IN SPECIFIC INSTALLATION(S).
2. THE EXHAUST FAN MUST BE OPERATED WHENEVER THE COOKING EQUIPMENT IS TURNED ON. (NFPA SECTION 11.1.1)

HOOD CANOPY MATERIAL: ALL 304 SERIES STAINLESS STEEL

HOOD LEGEND

1. ALL WELDED ENCLOSURE
2. 16 GA. SIDES, REMAINDER OF HOOD TO BE NO LESS THAN 18 GA.
3. PITCHED GREASE DRIP TRAY
4. ENCLOSED METAL CONTAINER
5. CONTAINMENT PANEL: LIGHT DUTY
6. ENCLOSURE PANEL
7. UTILITY CABINET (REQUIRES 36" OF OPEN SPACE IN FRONT OF THE DOOR)
8. 12" HOOD OVERHANG IS RECOMMENDED FOR ALL HEAVY DUTY COOKING APPLIANCES
9. 8" ROUND INTERNAL HOOD FAN (IHF) COLLAR WITH UL LISTED FIRE DAMPER 6"X6"
10. 8" ROUND IHF SUPPLY DUCT (SHIPPED LOOSE FOR SA OPTION A)
12. DEMANDAIRE CONTROL PANEL
13. INTERNAL HOOD FAN W/SPEED CONTROL

ELECTRICAL SCHEDULE

CIRCUIT	DESCRIPTION	VOLT	PHASE	AMPS	FED FROM

CB: CIRCUIT BREAKER FOR ELECTRICAL CONNECTION

SEE DEMANDAIRE DRAWINGS

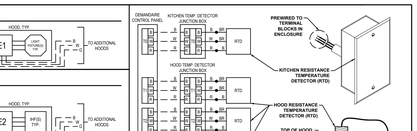
IF AN ELECTRICAL CONTROL PANEL FOR THE HOODS IS INCLUDED, THE ABOVE SCHEDULE IS NOT VALID. REFER TO DEMANDAIRE DRAWINGS.

ELECTRICAL LEGEND

- STREIVOR FACTORY WIRING
- FIELD WIRING **NOT PROVIDED BY STREIVOR**
- E1 HOOD LIGHT(S) JUNCTION BOX SEE DETAIL E1
- E2 INTERNAL HOOD FAN(S) JUNCTION BOX SEE DETAIL E2
- E3 TEMPERATURE DETECTOR(S) JUNCTION BOX SEE DETAIL E3

NOTE: FACTORY INSTALLATION OF JUNCTION BOXES MAY DIFFER FROM LOCATION ON DRAWINGS

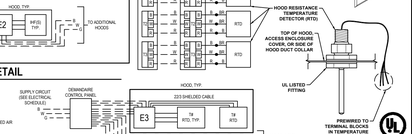
E1 HOOD LIGHT FIXTURE WIRING DETAIL



ELECTRICAL WIRING NOTES:
1. THE NUMBER OF LIGHTS REQUIRED FOOD FANS WILL BE DETERMINED BY THE LENGTH & QUANTITY OF HOODS
2. DEMANDAIRE CONTROL PANEL TO ELECTRICALLY INTERLOCK ASSOCIATED EXHAUST FANS(S), MAKE UP AIR FANS) AND INTERNAL HOOD FANS(S) (IHF)
3. MAXIMUM OF TWO INTERNAL HOOD FANS PER HOOD
4. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
5. ALL WIRING BETWEEN IHFS AND DEMANDAIRE CONTROL PANEL TO COMPLY WITH NFPA 96 SECTION 8.3.2
6. REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

NFPA 96 SECTION 8.3.2:
SHAFT BY-PASS OR CROSS-HOODED SYSTEM DISCHARGES. MAKEUP AIR SUPPLIED INTERNALLY TO A HOOD SHALL BE SHUT OFF

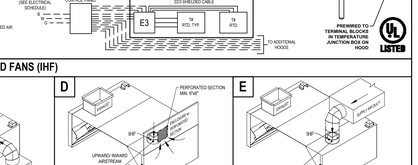
E2 INTERNAL HOOD FAN (IHF) WIRING DETAIL



ELECTRICAL WIRING NOTES:
1. THE NUMBER OF INTERNAL HOOD FANS WILL BE DETERMINED BY THE LENGTH & QUANTITY OF HOODS
2. DEMANDAIRE CONTROL PANEL TO ELECTRICALLY INTERLOCK ASSOCIATED EXHAUST FANS(S), MAKE UP AIR FANS) AND INTERNAL HOOD FANS(S) (IHF)
3. MAXIMUM OF TWO INTERNAL HOOD FANS PER HOOD
4. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
5. ALL WIRING BETWEEN IHFS AND DEMANDAIRE CONTROL PANEL TO COMPLY WITH NFPA 96 SECTION 8.3.2
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NFPA 96 SECTION 8.3.2:
SHAFT BY-PASS OR CROSS-HOODED SYSTEM DISCHARGES. MAKEUP AIR SUPPLIED INTERNALLY TO A HOOD SHALL BE SHUT OFF

E3 KITCHEN & HOOD RESISTANCE TEMPERATURE DETECTOR (RTD) WIRING DETAIL



ELECTRICAL WIRING NOTES:
1. WHEN THE TEMPERATURE DETECTED BY THE RTD EXCEEDS ONE OF ITS SET POINTS, THE FAN SPEED CONTROL SIGNAL PROVIDED BY THE DEMANDAIRE CONTROL PANEL WILL VARY ACCORDINGLY
2. THE SET POINT IS ADJUSTABLE VIA HMI TOUCH SCREEN SETTINGS
3. STREIVOR RECOMMENDS ALL WIRING BETWEEN RTD AND DEMANDAIRE CONTROL PANEL TO BE UL-LISTED 22 AWG THREE STRAND SHIELDED COMMUNICATION CABLE
4. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
5. UP TO THREE PRE-WIRED RESISTANCE TEMPERATURE DETECTORS PER HOOD, EACH REQUIRING A DEDICATED THREE WIRE CONNECTION BACK TO THE DEMANDAIRE CONTROL PANEL
6. KITCHEN RESISTANCE TEMPERATURE DETECTOR SHOULD BE INSTALLED AWAY FROM DIRECT SUNLIGHT, MAKEUP AIR DIFFUSER AIRSTREAMS AND OTHER SOURCES OF HEATED OR COOLED AIR
7. REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

NFPA 96 SECTION 8.3.2:
ALL WIRING SHALL BE PROVIDED WITH A MEANS SO THAT THE FAN IS ACTIVATED WHEN ANY APPLIANCE UNDER THE HOOD IS TURNED ON.

SA OPTIONS FOR SUPPLYING MAKE UP AIR (CLEAN SOURCE) TO THE SMARTAIRE INTERNAL HOOD FANS (IHF)

STREIVOR'S SMARTAIRE HOOD MODEL (SAWCBD) HAS INTERNAL HOOD FANS MOUNTED INSIDE OF THE HOODS SMARTAIRE PLENUM. THE INTERNAL HOOD FANS HAVE THE CAPABILITY OF OVERCOMING STATIC PRESSURES OF UP TO 0.25 IN. WATER COLUMN AND CAN PULL TRANSFER AIR INTO THE HOOD'S SMARTAIRE PLENUM. THE SMARTAIRE TECHNOLOGY INCLUDES TWO LOW-VOLUME, HIGH-VELOCITY AIR STREAMS INCORPORATED INTO THE LOWER FRONT EDGE OF THE HOOD. THE AIR STREAMS RUN CONTINUOUSLY ACROSS THE INNER FRONT EDGE OF THE HOOD. ONE AIR STREAM IS DIRECTED IN AN UPWARD, INWARD DIRECTION AND ONE AIR STREAM IS DIRECTED IN A DOWNWARD, INWARD DIRECTION. THE SMARTAIRE TECHNOLOGY SIGNIFICANTLY IMPROVES THE HOOD'S ABILITY TO CAPTURE AND CONTAIN THE THERMAL PLUME AND COOKING EFFLUENTS GENERATED FROM COOKING APPLIANCES UNDER THE HOOD. THE AIR STREAMS ARE LOCATED WITHIN THE HOOD'S CANOPY AND ARE THEREFORE CONSIDERED TO BE REPLACEMENT/COMPENSATING AIR. EFFORTS SHOULD BE TAKEN TO ENSURE THAT UNCLEAN TRANSFER AIR (SUCH AS ATTIC AIR) IS NOT USED FOR THE SMARTAIRE TECHNOLOGY AIR STREAMS.

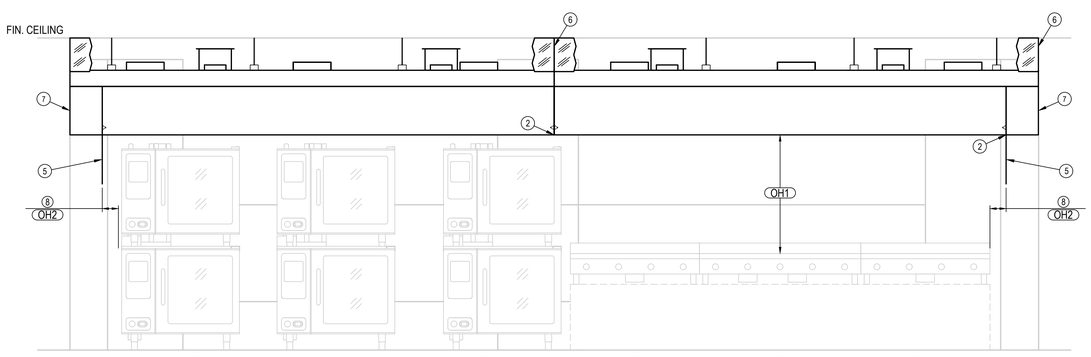
ASHRAE/ANSI 90.1 AND CALIFORNIA TITLE24 ENERGY CODES LIMIT THE AMOUNT OF REPLACEMENT AIR THAT CAN BE INTRODUCED INTO A HOOD TO 10% OF THE HOOD EXHAUST AIRFLOW RATE. SMARTAIRE HOODS ARE DESIGNED TO COMPLY WITH THESE ENERGY CODES.

HOOD #178
PLAN VIEW
(SEE SHEET H-04)

HOOD #177
PLAN VIEW
(SEE SHEET H-04)

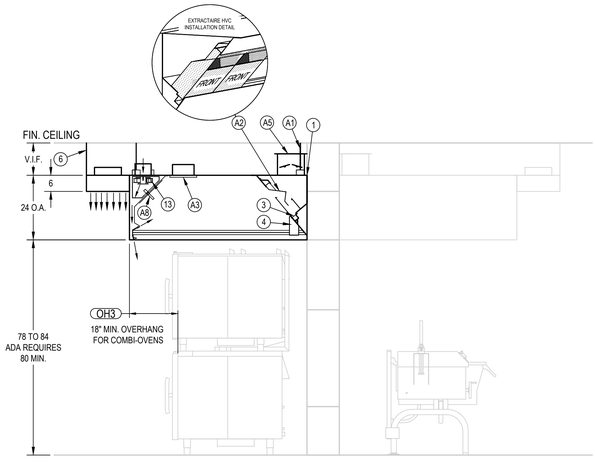
HOOD #172
PLAN VIEW

HOOD #173
PLAN VIEW



HOOD #172
ELEVATION VIEW

HOOD #173
ELEVATION VIEW



HOODS #172/173
SECTION VIEW

HOODS #177/178
SECTION VIEW
(SEE SHEET H-04)

PURCHASING CUSTOMER EXHAUST COLLAR APPROVAL

OPTIONS

☐ SHIP COLLAR LOOSE (THE PURCHASER ACCEPTS THE OBLIGATION AND COST OF CUTTING/WELDING COLLAR)

☐ WELD COLLAR TO HOOD (DIMENSIONS REQUIRED)

PURCHASING CUSTOMER DRAWING APPROVAL

THIS DRAWING MUST BE REVIEWED, SIGNED & RETURNED BY THE PURCHASING CUSTOMER TO STREIVOR AIR SYSTEMS PRIOR TO THE START OF FABRICATION.

VERIFY THE FOLLOWING:
1. ALL DIMENSIONAL INFORMATION, MOUNTING LOCATIONS & CLEARANCES.
2. THE LOCATION & TYPE OF COOKING EQUIPMENT.

APPROVED FOR FABRICATION

☐ APPROVED ☐ APPROVED AS NOTED

☐ REVISE & RESUBMIT

APPROVED BY _____ DATE _____

NOTE TO REVIEWER:
ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY AFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, A RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED.

PRE - INSTALLATION

OBTAIN, READ AND UNDERSTAND STREIVOR'S HOOD INSTALLATION, OPERATION AND MAINTENANCE MANUAL PRIOR TO INSTALLATION, STARTUP OR BALANCING.

INSTALLATION

ALL INSTALLATION, STARTUP AND BALANCING MUST BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH ALL APPLICABLE PREVAILING CODES AND STANDARDS.

STANDARD NFPA 96 HOOD CLEARANCES
0" TO NON-COMBUSTIBLE MATERIALS
3" TO LIMITED-COMBUSTIBLE MATERIALS
18" TO COMBUSTIBLE MATERIAL

OVERHEAD CLEARANCES
12" CLEARANCE IS REQUIRED ABOVE THE HOOD

REDUCED CLEARANCES
REDUCED CLEARANCES MAY BE AVAILABLE. CONSULT FACTORY FOR REDUCED CLEARANCE OPTIONS.

TEST AND BALANCE
THE SPECIFIED EXHAUST CFMS LISTED ON THIS DRAWING MUST BE MET DURING TEST AND BALANCE OF THE HOOD SYSTEM(S).
VARIANCE EXHAUST = -0% +10%
VARIANCE SUPPLY = -10% +0%

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- CERTIFICATIONS
- DATA SHEETS & MEDIA

PROJECT:
NORTHERN NEVADA CORRECTIONAL CENTER
CARSON CITY, NV
THE MARSHALL ASSOCIATES

HOOD #:	172 & 173
DATE:	09/08/2026
DRAWN BY:	DRM
CHECKED BY:	PLH
SPECIFIER:	THE MARSHALL ASSOCIATES
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1'-0"

IF BAR DOES NOT MEASURE 1" THIS DRAWING IS NOT PLOTTED TO SCALE

	DESCRIPTION	DATE	INT
1			
2			
3			
4			
5			

DRAWING: H-03
SHEET 03 OF 04

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VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
p. 775.328.1010
f. 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - EXHAUST HOOD ITEMS 172/173

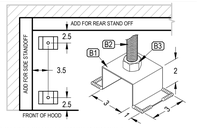
job number
25015

date
OCTOBER 27, 2026

drawing number
FS.37

6/18/2026 12:55:04 PM

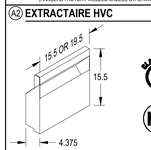
A1 HANGER BRACKET



B1 STAINLESS STEEL HANGER BRACKET
B2 ⅜" THREADED ROD
B3 ⅜" HEAVY DUTY LOCK NUTS, (1) ABOVE (1) BELOW
(THREADED ROD & LOCK NUTS NOT PROVIDED)
(HANGERS FACTORY WELDED UNLESS OTHERWISE SPECIFIED)

A2 EXTRACTAIRE HVC

CARTRIDGE FILTER



304 STAINLESS STEEL
US PATENT# 6,394,083

FILTER		#177		#178			
H x L	EFF AREA	QTY	AREA	QTY	AREA	QTY	AREA
1616	0.40	X 1	0.40	1	0.40		
1620	0.51	X 8	4.08	8	4.08		
TOTAL EFF AREA =			4.48	+ 4.48		=	

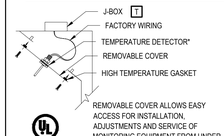
HOOD EX. CFM = TOTAL EFF AREA x FPM
OPERATING RANGE OF THE FILTER (250 TO 1400 FPM)

A3 HOOD CANOPY LIGHTING FIXTURE



- RECESSED L.E.D. WARM LIGHTS - 3000K
- SPECIFICALLY DESIGNED FOR CANOPY HOODS
- TEMPERATURE RATED TO 75°C (167°F)
- MEETS NFPA CODE 96 & NEC 410
- TOTAL LUMENS OUTPUT = 4228 (36"), 4925 (48")
- 43 WATTS (36"), 53 WATTS (48")

A8 LISTED ACCESS PANEL



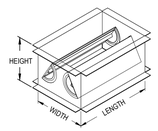
REMOVABLE COVER ALLOWS EASY ACCESS FOR INSTALLATION, ADJUSTMENTS AND SERVICE OF MONITORING EQUIPMENT FROM UNDER THE HOOD AND INSIDE THE SMARTAIRE PLENUM.

*FOR TEMPERATURE DETECTOR WIRING SEE DETAIL E3

A5 DUCT CONNECTION DETAIL

BALANCEAIRE INCLUDED
INTERNALLY ADJUSTABLE VARIABLE VOLUME DAMPER

COLLAR TO BE WELDED TO HOOD/GREASE EXHAUST DUCT



1" FLANGE AT TOP AND BOTTOM OF COLLAR ALLOWS FOR DUCT CONNECTIONS

US PATENT# D634,419 S

THE BALANCEAIRE'S OPPOSED BLADES CAN BE ADJUSTED TO VARYING POSITIONS FROM 100% OPEN TO 95% CLOSED TO INCREASE OR DECREASE THE AMOUNT OF RESISTANCE IN THE HOODS EXHAUST COLLAR. THE EXHAUST FAN MUST BE SIZED TO ACCOUNT FOR THE BALANCEAIRE'S ADDED RESISTANCE.

GENERAL NOTES:

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC. (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY DEVIATIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT STAND ANY EXPENSE FOR CHANGES MADE NECESSARY DUE TO LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR; BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

HOOD SCHEDULE

NO.	MODEL	L	W	H	WEIGHT	EXHAUST SPEC. CFM	EXHAUST SP	EXHAUST CFM/FT	DIST. FROM COOKING SURFACE TO LOWER EDGE OF HOOD. OH1 MIN.	OH1 MAX.	MINIMUM OVERHANG OPEN SIDES OH2 SIDE	OH3 FRONT	EQUIP. DUTY TEMPERATURE MAX.
177	SAWCBD 1806624	180	66	24	1150	2700	0.55	180	36	48	6	6	450
178	SAWCBD 1806624	180	66	24	1150	2700	0.55	180	36	48	6	6	450

1. GREATER EXHAUST AND/OR LESSER SUPPLY AIR FLOW RATES MAY BE REQUIRED FOR COMPLETE VAPOR AND SMOKE REMOVAL IN SPECIFIC INSTALLATION(S).
2. THE EXHAUST FAN MUST BE OPERATED WHENEVER THE COOKING EQUIPMENT IS TURNED ON. (NFPA 96 SECTION 11.1.1)

HOOD CANOPY MATERIAL: ALL 304 SERIES STAINLESS STEEL

HOOD LEGEND

1. ALL WELDED ENCLOSURE
2. 16 GA. SIDES, REMAINDER OF HOOD TO BE NO LESS THAN 18 GA.
3. PITCHED GREASE DRIP TRAY
4. ENCLOSED METAL CONTAINER
5. CONTAINMENT PANEL: LIGHT DUTY
6. ENCLOSURE PANEL
7. 12" HOOD OVERHANG IS RECOMMENDED FOR ALL HEAVY DUTY COOKING APPLIANCES
9. 8" ROUND INTERNAL HOOD FAN (IHF) COLLAR WITH UL LISTED FIRE DAMPER 6"X6"
10. 8" ROUND IHF SUPPLY DUCT (SHIPPED LOOSE FOR SA OPTION A)
13. INTERNAL HOOD FAN W/SPEED CONTROL

ELECTRICAL SCHEDULE

CIRCUIT	DESCRIPTION	VOLT/PHASE	AMPS	FED FROM

CB: CIRCUIT BREAKER IN ELECTRICAL CONTROL PANEL

SEE DEMANDAIRE DRAWINGS

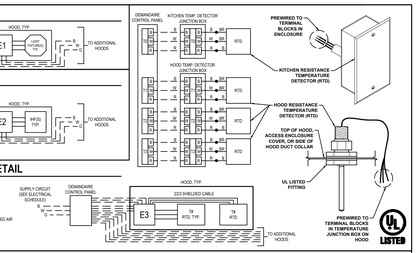
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ELECTRICAL LEGEND

- STREIVOR FACTORY WIRING
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- E1 HOOD LIGHT(S) JUNCTION BOX SEE DETAIL E1
- E2 INTERNAL HOOD FAN(S) JUNCTION BOX SEE DETAIL E2
- E3 TEMPERATURE DETECTOR(S) JUNCTION BOX SEE DETAIL E3

NOTE: FACTORY INSTALLATION OF JUNCTION BOXES MAY DIFFER FROM LOCATION ON DRAWINGS

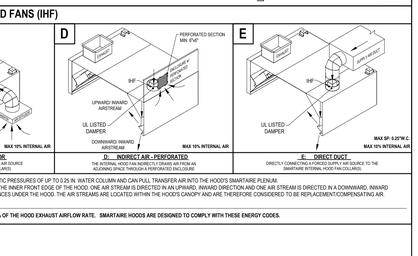
E1 HOOD LIGHT FIXTURE WIRING DETAIL



ELECTRICAL WIRING NOTES:
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2. DEMANDAIRE CONTROL PANEL TO ELECTRICALLY INTERLOCK ASSOCIATED EXHAUST FANS(S), MAKE UP AIR FAN(S) AND INTERNAL HOOD FAN(S) (IHF)
3. MAXIMUM OF TWO INTERNAL HOOD FANS PER HOOD
4. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
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6. REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

NFPA 96 SECTION 8.3.2:
GROUND FAULT PROTECTION:
UPON DISCHARGING THE FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN(S) SHALL BE DISCONNECTED FROM ALL SOURCES OF ELECTRICAL POWER EXCEPT THOSE CONNECTIONS REQUIRED FOR GROUND FAULT PROTECTION.
GROUND FAULT PROTECTION SHALL NOT BE PROVIDED WITH A MEANS SO THAT THE FAN IS ACTIVATED WHEN ANY APPLIANCE UNDER THE HOOD IS TURNED ON.

E2 INTERNAL HOOD FAN (IHF) WIRING DETAIL



ELECTRICAL WIRING NOTES:
1. NUMBER OF LIGHTS REQUIRED PER HOOD FANS WILL BE DETERMINED BY THE LENGTH & QUANTITY OF HOODS
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2. THE RTD SENSITIVE IS ADJUSTABLE VIA 4MI TOUCH SCREEN SETTINGS
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HOOD #173
PLAN VIEW
(SEE SHEET H-03)

HOOD #172
PLAN VIEW
(SEE SHEET H-03)

HOOD #177
PLAN VIEW

HOOD #178
PLAN VIEW

HOOD #177
ELEVATION VIEW

HOOD #178
ELEVATION VIEW

HOODS #172/173
SECTION VIEW
(SEE SHEET H-03)

HOODS #177/178
SECTION VIEW

PURCHASING CUSTOMER EXHAUST COLLAR APPROVAL

OPTIONS

☐ SHIP COLLAR LOOSE (THE PURCHASER ACCEPTS THE OBLIGATION AND COST OF CUTTING/WELDING COLLAR)

☐ WELD COLLAR TO HOOD (DIMENSIONS REQUIRED)

PURCHASING CUSTOMER DRAWING APPROVAL

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VERIFY THE FOLLOWING:
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2. THE LOCATION & TYPE OF COOKING EQUIPMENT.

APPROVED FOR FABRICATION

☐ APPROVED ☐ APPROVED AS NOTED

☐ REVISE & RESUBMIT

APPROVED BY _____ DATE _____

NOTE TO REVIEWER:
ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY AFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, A RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED.

PRE - INSTALLATION

OBTAIN, READ AND UNDERSTAND STREIVOR'S HOOD INSTALLATION, OPERATION AND MAINTENANCE MANUAL PRIOR TO INSTALLATION, STARTUP OR BALANCING.

INSTALLATION

ALL INSTALLATION, STARTUP AND BALANCING MUST BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH ALL APPLICABLE PREVAILING CODES AND STANDARDS.

STANDARD NFPA 96 HOOD CLEARANCES
0" TO NON-COMBUSTIBLE MATERIALS
3" TO LIMITED-COMBUSTIBLE MATERIALS
18" TO COMBUSTIBLE MATERIAL

OVERHEAD CLEARANCES
10" CLEARANCE IS REQUIRED ABOVE THE HOOD

REDUCED CLEARANCES
REDUCED CLEARANCES MAY BE AVAILABLE. CONSULT FACTORY FOR REDUCED CLEARANCE OPTIONS.

TEST AND BALANCE
THE SPECIFIED EXHAUST CFMS LISTED ON THIS DRAWING MUST BE MET DURING TEST AND BALANCE OF THE HOOD SYSTEM(S).
VARIANCE EXHAUST = -0% +10%
VARIANCE SUPPLY = -10% +0%

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- CERTIFICATIONS
- DATA SHEETS & MEDIA

PROJECT:
NORTHERN NEVADA CORRECTIONAL CENTER

---,-- -----
THE MARSHALL ASSOCIATES

HOOD #:	177 & 178
DATE:	09/08/2026
DRAWN BY:	GRD
CHECKED BY:	PJK
SPECIFIER:	THE MARSHALL ASSOCIATES
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1'-0"

IF BAR DOES NOT MEASURE 1" THIS DRAWING IS NOT PLOTTED TO SCALE.

	DESCRIPTION	DATE	INT
1	---	--/--/--	---
2	---	--/--/--	---
3	---	--/--/--	---
4	---	--/--/--	---
5	---	--/--/--	---

DRAWING:
H-04
SHEET 04 OF 05

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VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
p. 775.328.1010
f. 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - EXHAUST HOOD ITEMS 177/178

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.38

6/18/2026 12:55:04 PM

LISTINGS & STANDARDS

THIS WET CHEMICAL EXTINGUISHING SYSTEM IS ENGINEERED TO PROVIDE FIRE PROTECTION FOR RESTAURANT HOODS, DUCTS AND COOKING APPLIANCES, IS **UL 300** LISTED AND IS TO BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

- NFPA 17A 2024 EDITION
- NFPA 10 2022 EDITION
- NFPA 96 2024 EDITION

SECTIONS & CODES

NFPA 10 2022 EDITION

(6.6.2) MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 30 FT (9.1 M) FROM THE HAZARD TO THE EXTINGUISHER(S)

NFPA 17A 2024 EDITION

(5.2.1.10.1) EACH MANUAL ACTUATION DEVICE SHALL BE INSTALLED NO MORE THAN 48 IN. (1200 MM) AND NO LESS THAN 42 IN. (1067 MM) ABOVE THE FLOOR.

NFPA 96 2024 EDITION

(8.2.3.1) A HOOD EXHAUST FAN(S) SHALL CONTINUE TO OPERATE AFTER THE EXTINGUISHING SYSTEM HAS BEEN ACTIVATED UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE DESIGN OF THE EXTINGUISHING SYSTEM.

(8.2.3.2) THE HOOD EXHAUST FAN SHALL START UPON ACTIVATION OF THE EXTINGUISHING SYSTEM IF THE EXHAUST FAN AND ALL COOKING EQUIPMENT SERVED BY THE FAN HAVE BEEN SHUT DOWN, UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE LISTING OF THE EXTINGUISHING SYSTEM.

(8.3.2) WHEN THE FIRE-EXTINGUISHING SYSTEM ACTIVATES, MAKEUP AIR SUPPLIED INTERNALLY TO A HOOD SHALL BE SHUT OFF.

(10.4.1) UPON ACTIVATION OF ANY FIRE EXTINGUISHING SYSTEM FOR A COOKING OPERATION, ALL SOURCES OF FUEL AND ELECTRICAL POWER THAT PRODUCE HEAT TO ALL EQUIPMENT REQUIRING PROTECTION BY THAT SYSTEM SHALL AUTOMATICALLY SHUT OFF.

(10.4.3) GAS APPLIANCE NOT REQUIRING PROTECTION BUT LOCATED UNDER VENTILATING EQUIPMENT WHERE PROTECTED APPLIANCES ARE LOCATED SHALL BE AUTOMATICALLY SHUT OFF UPON ACTIVATION OF THE EXTINGUISHING SYSTEM.

(10.4.4) SHUTOFF DEVICE SHALL REQUIRE MANUAL RESETTING PRIOR TO FUEL / POWER BEING RESTORED

(10.5.1.1) AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

(10.5.1.2) THE MANUAL ACTUATION DEVICE SHALL CLEARLY IDENTIFY THE HAZARD PROTECTED.

CMC 2022 EDITION

(513.5) ALL SYSTEMS SHALL HAVE BOTH AUTOMATIC AND MANUAL METHODS OF ACTUATION. AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

INSTALLATION REQUIREMENTS

1. ALL PIPE SHALL BE SCHEDULE 40 BLACK IRON. CHROME PLATED/SLEEVED WHERE EXPOSED.
2. ALL CYLINDER SYSTEMS SHALL HAVE 3/8" SUPPLY LINES AND 3/8" BRANCH LINES.
3. ALL WIRE ROPE SHALL BE 1/16" STAINLESS STEEL AND RUN THROUGH 1/2" EMT CONDUIT.
4. U.L. LISTED CORNER PULLEYS REQUIRED WHENEVER THE STAINLESS STEEL CABLE DIRECTION CHANGES.
5. ALL EQUIPMENT WITH FIRE PROTECTION MUST BE SECURED TO FLOOR. (NOT BY STREIVOR)
6. SWIVEL ADAPTERS MAY BE ADDED TO NOZZLES FOR UP TO 30° ROTATION.

SYSTEM #3

PAGE NUMBERS REFERENCED FROM THE ANSUL R-102 FIRE SUPPRESSION SYSTEM TECHNICAL MANUAL

CABLE/LINE LIMITATIONS - AUTOMAN C

		LENGTH	PULLEYS	BRACKETS
FUSIBLE LINK (pg. 4-71)	MAXIMUM	150.00 FT	20	15
	ALLOTTED	60.00 FT	7	14 *
PULL STATION - C (pg. 4-73)	MAXIMUM	150.00 FT	20	N/A
	ALLOTTED	31.00 FT	2	N/A
GAS VALVE(S) (pg. 4-74)	MAXIMUM	150.00 FT	20	N/A
	ALLOTTED	--.-- FT	--	N/A
GAS CARTRIDGE(S) (pg. 4-61)	MODEL	DOUBLE TANK	LT-A-101-30	--
	PART NUMBER	423493	423491	--

CYLINDER #4

COVERAGE DESCRIPTION	NOZZLE	QTY.	FLOW POINTS	PAGE
DUCT	1W	2	2	4-1
PLENUM	1N	2	2	4-5

MODEL	FLOW POINTS	FIRST TO LAST
3 GALLON	4 ALLOTTED	11 FT

DUCT	PLENUM	EQUIP.	SUPPLY
4 FT	3 FT	0 FT	29 FT
MAX: 8 FT	MAX: 4 FT	MAX: 12 FT	MAX: 40 FT

CYLINDER #5

COVERAGE DESCRIPTION	NOZZLE	QTY.	FLOW POINTS	PAGE
DUCT	1W	2	2	4-1
PLENUM	1N	2	2	4-5
GRIDDLE	260	2	4	4-19
GRIDDLE	1N	2	2	4-18

MODEL	FLOW POINTS	FIRST TO LAST
3 GALLON	10 ALLOTTED	17 FT

DUCT	PLENUM	EQUIP.	SUPPLY
4 FT	3 FT	3 FT	19 FT
MAX: 8 FT	MAX: 4 FT	MAX: 12 FT	MAX: 40 FT

CYLINDER/PIPING LIMITATIONS

CYLINDER	FLOW POINTS	TOTAL LENGTH OF ALL BRANCH LINES	LENGTH BETWEEN FIRST TO LAST BRANCH
1.5 GALLON	5	22 FT	8 FT
3.0 GALLON	11	36 FT	24 FT

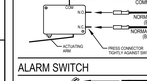
** CALCULATIONS BASED ON 3/8" PIPE (SEE PG. 4-67)

LEGEND

- STREIVOR FACTORY PIPING
- FIELD PIPING
- DETECTOR BRACKET (FRONT VIEW)
- DETECTOR BRACKET (PLAN VIEW)
- NOZZLE COVERAGE
- 2W 100 — DUCT NOZZLE MAX PERIMETER
- 1N 120 — PLENUM NOZZLE MAX PLENUM LENGTH
- 1N 40 30 — APPLIANCE NOZZLE AND HEIGHT
- 1X — DOWNWARD FACING NOZZLE
- 1X — ANGLED NOZZLE AND TARGET LOCATION

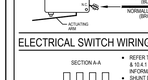
MECHANICAL AUTOMAN (PART #79493) & ELECTRICAL WIRING

ELECTRICAL SWITCH (PART # 551154)



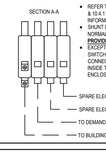
- QUANTITY: 3
- SWITCH IS RATED AT 250 VAC, 21A RESISTIVE, 250 VAC, 2 HP, 125 VAC, 1 HP

ALARM SWITCH (PART # 550077)

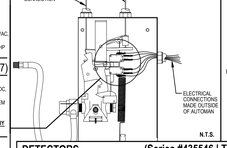


- QUANTITY: 1
- SWITCH IS RATED AT 28 VDC, 50 mA
- FIRE SUPPRESSION SYSTEM TO BE FIELD WIRED INTO BUILDING FIRE ALARM SYSTEM **(NOT PROVIDED BY STREIVOR)**

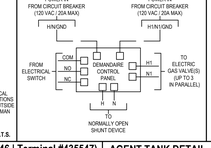
ELECTRICAL SWITCH WIRING



- REFER TO NFPA 96 CODES 8.3.2 & 16.4.1 FOR MORE INFORMATION
- SHUNT DEVICE TO BE NORMALLY OPEN **(NOT PROVIDED BY STREIVOR)**
- EXCEPTION: ALARM INITIATING SWITCH, NO ELECTRICAL CONNECTIONS ARE TO BE MADE INSIDE THE CONTROL HEAD ENCLOSURE



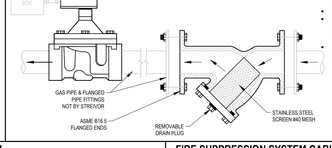
DEMANDAIRE RESET RELAY



- REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION AND LOCATION

ELECTRIC GAS SHUT-OFF VALVE & FLANGED Y-STRAINER

(SEE MEP DRAWINGS FOR LOCATION)

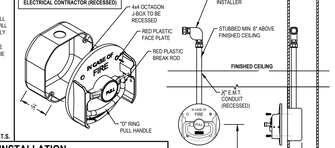


- GAS SHUT-OFF VALVE(S) TO BE SIZED AND LOCATED PER MEP DRAWINGS **(MAXIMUM VALVE SIZE: 3" NPT)**
- VALVE(S) AND STRAINERS TO BE INSTALLED BY DIVISION 22 (PLUMBING)
- VALVE REQUIRES SEPARATE 120VAC/1, 16A CIRCUIT
- ACTIVATION OF THE FIRE EXTINGUISHING SYSTEM WILL SHUT OFF THE VALVE PREVENTING GAS FLOW AND WILL REMAIN CLOSED UNTIL THE RESET RELAY IS MANUALLY PRESSED
- Y-STRAINER REQUIRED FOR THE PROTECTION OF THE GAS VALVE. INSTALL A Y-STRAINER ON THE INLET SIDE OF THE GAS VALVE (AS CLOSE AS POSSIBLE).

Y-STRAINER NOT PROVIDED BY STREIVOR UNLESS SPECIFICALLY INCLUDED IN PURCHASE ORDER.

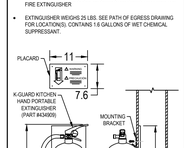
PULL STATION (PART #434618) AND INSTALLATION (RECESSED)

NOTE: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 3" E.M.T. CONDUIT AND J-BOX PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR (RECESSED)

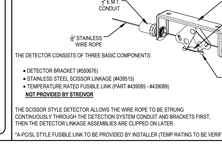


EXTINGUISHER INSTALLATION

- NFPA 96 10.2.2 - A PLACECARD SHALL BE CONSPICUOUSLY PLACED NEAR EACH K CLASS EXTINGUISHER THAT STATES THE FIRE PROTECTION SYSTEM SHALL BE ACTIVATED PRIOR TO USING THE FIRE EXTINGUISHER
- EXTINGUISHER WEIGHS 25 LBS. SEE PATH OF EGRESS DRAWING FOR LOCATION(S). CONTAINS 1.6 GALLONS OF WET CHEMICAL SUPPRESSANT.



DETECTORS (Series #435546 | Terminal #435547)



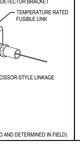
THE DETECTOR CONSISTS OF THREE BASIC COMPONENTS:

- DETECTOR BRACKET (#550676)
- STAINLESS STEEL SCISSOR LINKAGE (#439515)
- TEMPERATURE RATED FUSIBLE LINK (PART #439085 - #439089) **NOT PROVIDED BY STREIVOR**

THE SCISSOR STYLE DETECTOR ALLOWS THE WIRE ROPE TO BE STRUNG CONTINUOUSLY THROUGH THE DETECTION SYSTEM CONDUIT AND BRACKETS FIRST, THEN THE DETECTOR LINKAGE ASSEMBLIES ARE CLIPPED ON LATER.

*A PC/SL STYLE FUSIBLE LINK TO BE PROVIDED BY INSTALLER (TEMP RATING TO BE VERIFIED AND DETERMINED IN FIELD)

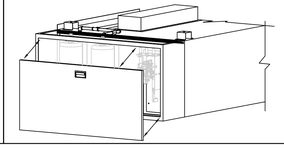
AGENT TANK DETAIL



- 3 GALLON SHIPPING WEIGHT 7 LB (3.2KG) - PART #429982
- 1.5 GALLON SHIPPING WEIGHT 5 LB (2.3KG) - PART #429864

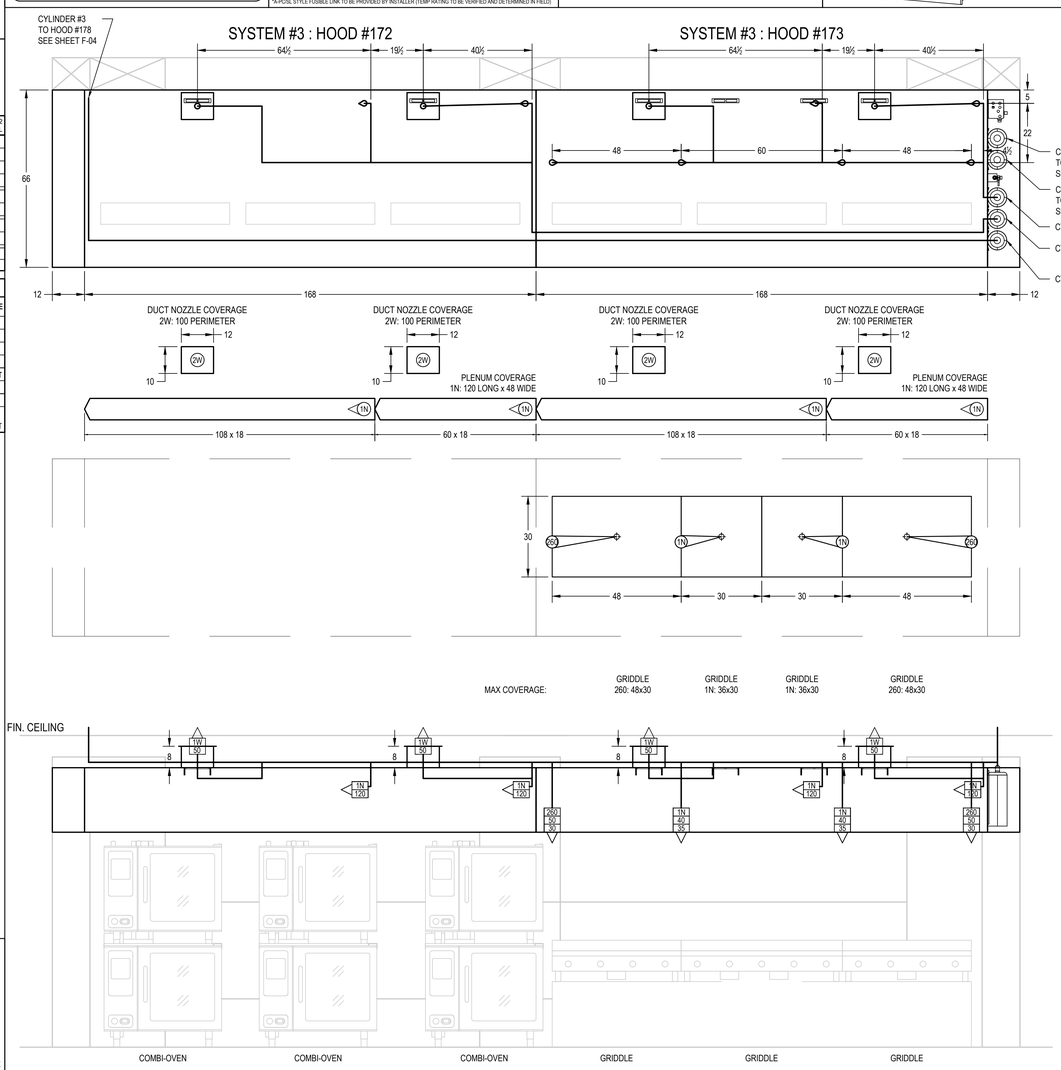
THE STAINLESS STEEL TANK IS SHIPPED UNCHARGED AND MUST BE FILLED WITH ONLY ANSULEX LOW PH LIQUID FIRE SUPPRESSANT DURING INSTALLATION. ANSULEX IS A POTASSIUM-BASED SOLUTION DESIGNED FOR FAST KNOCK-DOWN AND SUPPRESSION OF GREASE-RELATED FIRES.

FIRE SUPPRESSION SYSTEM CABINET - FACTORY MOUNTED INSTALLATION



- 36" MINIMUM CLEARANCE REQUIRED IN FRONT OF THE REMOVABLE CABINET DOOR.
- SUPPORT BACKING REQUIRED IF CABINET MOUNTS TO WALL
- MAXIMUM CABINET HANGING HEIGHT 144" A.F.F.
- WHERE APPLICABLE, A.D.A. REQUIRES MINIMUM HANGING HEIGHT 90" A.F.F.
- CABINET AND FIRE SUPPRESSION SYSTEM COMPONENTS APPROXIMATELY 100 LBS/FT. SEE PATH OF EGRESS DRAWING FOR CABINET DIMENSIONS)

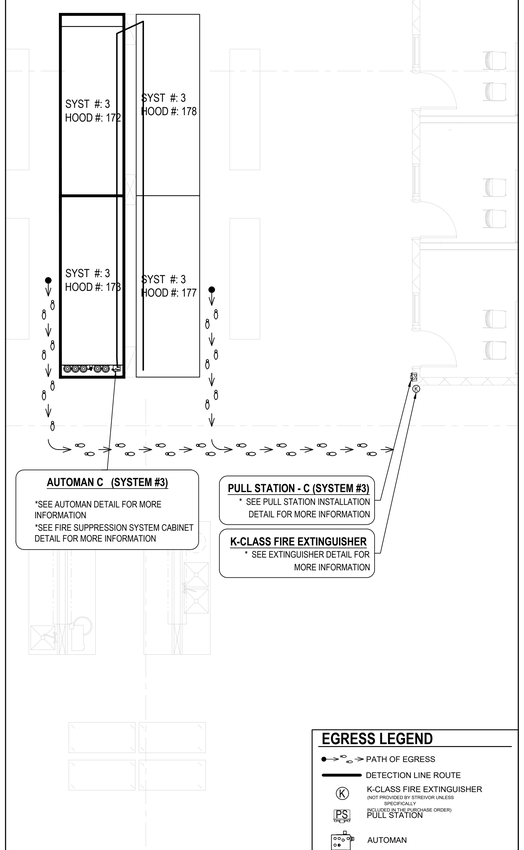
IMAGE MAY NOT REPRESENT EXACT HOOD OPTIONS. SEE HOOD DRAWINGS FOR FULL DETAILS



NOTE: FIELD PIPING TO BE INSTALLED BY A STREIVOR APPOINTED CERTIFIED & LICENSED FIRE SUPPRESSION INSTALLER

PATH OF EGRESS

SCALE: 1/8" = 1'-0"



EGRESS LEGEND

- PATH OF EGRESS
- DETECTION LINE ROUTE
- K — K-CLASS FIRE EXTINGUISHER (NOT PROVIDED BY STREIVOR UNLESS SPECIFICALLY INCLUDED IN PURCHASE ORDER)
- PS — PULL STATION
- AUTOMAN
- GV — GAS SHUT-OFF VALVE (SIZE AND LOCATION PER MEP DRAWINGS)

CUSTOMER APPROVAL

COOKING EQUIPMENT VERIFICATION

VERIFY THE FOLLOWING:

HIGH BACK SHELVES	YES ☐	NO ☐
RANGE COOKING SURFACE DEPTH GREATER THAN 28"	YES ☐	NO ☐
PULL STATION LOCATION(S)	YES ☐	NO ☐
UTILITY CABINET LOCATION(S)	YES ☐	NO ☐
AGENT DISTRIBUTION HOSE AND RESTRAINING CABLE KIT	YES ☐	NO ☐
CEILING HEIGHT	__'-__"	

APPROVED BY _____ DATE _____

NOTE TO REVIEWER:

ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY EFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, A RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED. ADDITIONAL SITE VISIT FOR FIRE SUPPRESSION PRE-TEST IS NOT INCLUDED UNLESS SPECIFICALLY LISTED IN QUOTE.

GENERAL NOTES:

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY DEVIATIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT STAND ANY EXPENSE FOR CHANGES MADE NECESSARY DUE TO LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- CERTIFICATIONS
- REFERENCES AND MEDIA

PROJECT:
NORTHERN NEVADA CORRECTIONAL CENTER

1721 SNYDER AVE.
CARSON CITY, NV 89701

THE MARSHALL ASSOCIATES

ITEM #:	174
SYSTEM #:	3
HOOD #:	172 & 173
DATE:	09/08/2026
DRAWN BY:	SWB
CHECKED BY:	KCS
CONSULTANT:	THE MARSHALL ASSOCIATES
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1' - 0"

* IMP DOES NOT MEASURE 1" THIS DRAWING IS NOT PLOTTED TO SCALE

	DESCRIPTION	DATE	INT
1	---	--/--/--	---
2	---	--/--/--	---
3	---	--/--/--	---
4	---	--/--/--	---
5	---	--/--/--	---
6	---	--/--/--	---

DRAWING:

F-03

SHEET 03 OF 05

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info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - FIRE SUPPRESSION ITEM 174

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.39

6/18/2026 12:55:04 PM

LISTINGS & STANDARDS

THIS WET CHEMICAL EXTINGUISHING SYSTEM IS ENGINEERED TO PROVIDE FIRE PROTECTION FOR RESTAURANT HOODS, DUCTS AND COOKING APPLIANCES, IS **UL 300** LISTED AND IS TO BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

- NFPA 17A 2024 EDITION
- NFPA 10 2022 EDITION
- NFPA 96 2024 EDITION

SECTIONS & CODES

NFPA 10 2022 EDITION

(6.6.2) MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 30 FT (9.1 M) FROM THE HAZARD TO THE EXTINGUISHER(S)

NFPA 17A 2024 EDITION

(3.2.1.10.1) EACH MANUAL ACTUATION DEVICE SHALL BE INSTALLED NO MORE THAN 48 IN. (1200 MM) AND NO LESS THAN 42 IN. (1067 MM) ABOVE THE FLOOR.

NFPA 96 2024 EDITION

(8.2.3.1) A HOOD EXHAUST FAN(S) SHALL CONTINUE TO OPERATE AFTER THE EXTINGUISHING SYSTEM HAS BEEN ACTIVATED UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE DESIGN OF THE EXTINGUISHING SYSTEM.

(8.2.3.2) THE HOOD EXHAUST FAN SHALL START UPON ACTIVATION OF THE EXTINGUISHING SYSTEM IF THE EXHAUST FAN AND ALL COOKING EQUIPMENT SERVED BY THE FAN HAVE BEEN SHUT DOWN, UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE LISTING OF THE EXTINGUISHING SYSTEM.

(8.3.2) WHEN THE FIRE-EXTINGUISHING SYSTEM ACTIVATES, MAKEUP AIR SUPPLIED INTERNALLY TO A HOOD SHALL BE SHUT OFF.

(10.4.1) UPON ACTIVATION OF ANY FIRE EXTINGUISHING SYSTEM FOR A COOKING OPERATION, ALL SOURCES OF FUEL AND ELECTRICAL POWER THAT PRODUCE HEAT TO ALL EQUIPMENT REQUIRING PROTECTION BY THAT SYSTEM SHALL AUTOMATICALLY SHUT OFF.

(10.4.3) GAS APPLIANCE NOT REQUIRING PROTECTION BUT LOCATED UNDER VENTILATING EQUIPMENT WHERE PROTECTED APPLIANCES ARE LOCATED SHALL BE AUTOMATICALLY SHUT OFF UPON ACTIVATION OF THE EXTINGUISHING SYSTEM.

(10.4.4) SHUTOFF DEVICE SHALL REQUIRE MANUAL RESETTING PRIOR TO FUEL / POWER BEING RESTORED

(10.5.1.1) AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

(10.5.1.2) THE MANUAL ACTUATION DEVICE SHALL CLEARLY IDENTIFY THE HAZARD PROTECTED.

CMC 2022 EDITION

(513.5) ALL SYSTEMS SHALL HAVE BOTH AUTOMATIC AND MANUAL METHODS OF ACTUATION. AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

INSTALLATION REQUIREMENTS

1. ALL PIPE SHALL BE SCHEDULE 40 BLACK IRON. CHROME PLATED/SLEEVED WHERE EXPOSED.
2. ALL CYLINDER SYSTEMS SHALL HAVE 3/8" SUPPLY LINES AND 3/8" BRANCH LINES.
3. ALL WIRE ROPE SHALL BE 1/16" STAINLESS STEEL AND RUN THROUGH 1/2" EMT CONDUIT.
4. U.L. LISTED CORNER PULLEYS REQUIRED WHENEVER THE STAINLESS STEEL CABLE DIRECTION CHANGES.
5. ALL EQUIPMENT WITH FIRE PROTECTION MUST BE SECURED TO FLOOR. (NOT BY STREVOR)
6. SWIVEL ADAPTERS MAY BE ADDED TO NOZZLES FOR UP TO 30° ROTATION.

SYSTEM #3

PAGE NUMBERS REFERENCED FROM THE ANSUL R-102 FIRE SUPPRESSION SYSTEM TECHNICAL MANUAL

CABLE/LINE LIMITATIONS - AUTOMAN C

		LENGTH	PULLEYS	BRACKETS
FUSIBLE LINK (pg. 4-71)	MAXIMUM	150.00 FT	20	15
	ALLOTTED	60.00 FT	7	14 *
PULL STATION - C (pg. 4-73)	MAXIMUM	150.00 FT	20	N/A
	ALLOTTED	31.00 FT	2	N/A
GAS VALVE(S) (pg. 4-74)	MAXIMUM	150.00 FT	20	N/A
	ALLOTTED	--.-- FT	--	N/A
GAS CARTRIDGE(S) (pg. 4-61)	MODEL	DOUBLE TANK	LT-A-101-30	--
	PART NUMBER	423493	423491	--

CYLINDER #3

COVERAGE DESCRIPTION	NOZZLE	QTY.	FLOW POINTS	PAGE
DUCT	1W	1	1	4-1
PLENUM	1N	1	1	4-5
RANGE	245	1	2	4-14
GRIDDLE	260	1	2	4-19

MODEL	FLOW POINTS	FIRST TO LAST
3 GALLON	6 ALLOTTED	2 FT

DUCT	PLENUM	EQUIP.	SUPPLY
5 FT	1 FT	3 FT	37 FT
MAX: 8 FT	MAX: 4 FT	MAX: 12 FT	MAX: 40 FT

CYLINDER #6

COVERAGE DESCRIPTION	NOZZLE	QTY.	FLOW POINTS	PAGE
DUCT	1W	3	3	4-1
PLENUM	1N	3	3	4-5
OVERLAPPING 1	245	2	4	4-53

MODEL	FLOW POINTS	FIRST TO LAST
3 GALLON	10 ALLOTTED	19 FT

DUCT	PLENUM	EQUIP.	SUPPLY
5 FT	3 FT	3 FT	33 FT
MAX: 8 FT	MAX: 4 FT	MAX: 12 FT	MAX: 40 FT

CYLINDER #7

COVERAGE DESCRIPTION	NOZZLE	QTY.	FLOW POINTS	PAGE
OVERLAPPING 1	245	6	12	4-53

MODEL	FLOW POINTS	FIRST TO LAST
3 GALLON	12 ALLOTTED	6 FT

DUCT	PLENUM	EQUIP.	SUPPLY
0 FT	0 FT	3 FT	13 FT
MAX: 8 FT	MAX: 4 FT	MAX: 12 FT	MAX: 40 FT

CYLINDER/PIPING LIMITATIONS

CYLINDER	FLOW POINTS	TOTAL LENGTH OF ALL BRANCH LINES	LENGTH BETWEEN FIRST TO LAST BRANCH
1.5 GALLON	5	22 FT	8 FT
3.0 GALLON	11	36 FT	24 FT

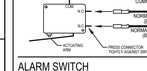
** CALCULATIONS BASED ON 3/8" PIPE (SEE PG. 4-67)

LEGEND

- STREIVOR FACTORY PIPING
- FIELD PIPING
- DETECTOR BRACKET (FRONT VIEW)
- DETECTOR BRACKET (PLAN VIEW)
- NOZZLE COVERAGE
- DUCT NOZZLE MAX PERIMETER (1W / 100)
- PLENUM NOZZLE MAX PLENUM LENGTH (1N / 120)
- APPLIANCE NOZZLE AND HEIGHT (1N / 40 / 30)
- DOWNWARD FACING NOZZLE (1X)
- ANGLED NOZZLE AND TARGET LOCATION (1X)

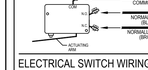
MECHANICAL AUTOMAN (PART #79493) & ELECTRICAL WIRING

ELECTRICAL SWITCH (PART # 551154)



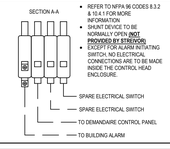
- QUANTITY: 3
- SWITCH IS RATED AT 250 VAC, 21A RESISTIVE, 250 VAC, 2 HP, 125 VAC, 1 HP

ALARM SWITCH (PART # 550077)

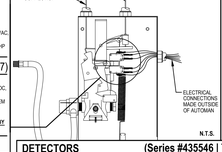


- QUANTITY: 1
- SWITCH IS RATED AT 28 VDC, 50 mA
- FIRE SUPPRESSION SYSTEM TO BE FIELD WIRED INTO BUILDING FIRE ALARM SYSTEM **(NOT PROVIDED BY STREVOR)**

ELECTRICAL SWITCH WIRING



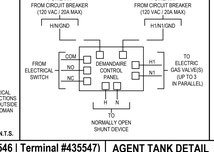
- REFER TO NFPA 96 CODES 8.3.2 & 16.4.1 FOR MORE INFORMATION
- SHUNT DEVICE TO BE NORMALLY OPEN **(NOT PROVIDED BY STREVOR)**
- EXCEPTION: ALARM INITIATING SWITCH. NO ELECTRICAL CONNECTIONS ARE TO BE MADE INSIDE THE CONTROL HEAD ENCLOSURE.



N.T.S.

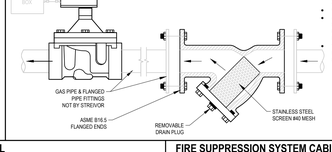
DEMANDAIRE RESET RELAY

- REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION AND LOCATION



ELECTRIC GAS SHUT-OFF VALVE & FLANGED Y-STRAINER

(SEE MEP DRAWINGS FOR LOCATION)



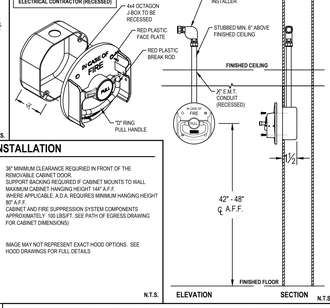
- GAS SHUT-OFF VALVE(S) TO BE SIZED AND LOCATED PER MEP DRAWINGS **(MAXIMUM VALVE SIZE: 3" NPT)**
- VALVE(S) AND STRAINERS TO BE INSTALLED BY DIVISION 22 (PLUMBING)
- VALVE REQUIRES SEPARATE 120VAC/1, 16A CIRCUIT
- ACTIVATION OF THE FIRE EXTINGUISHING SYSTEM WILL SHUT OFF THE VALVE PREVENTING GAS FLOW AND WILL REMAIN CLOSED UNTIL THE RESET RELAY IS MANUALLY PRESSED
- Y-STRAINER REQUIRED FOR THE PROTECTION OF THE GAS VALVE. INSTALL A Y-STRAINER ON THE INLET SIDE OF THE GAS VALVE (AS CLOSE AS POSSIBLE).

Y-STRAINER NOT PROVIDED BY STREVOR UNLESS SPECIFICALLY INCLUDED IN PURCHASE ORDER.

N.T.S.

PULL STATION (PART #434618) AND INSTALLATION (RECESSED)

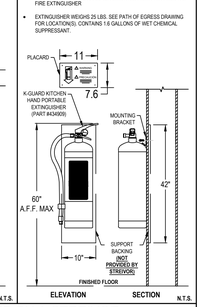
NOTE: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 2" E.M.T. CONDUIT AND J-BOX PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR (RECESSED)



N.T.S.

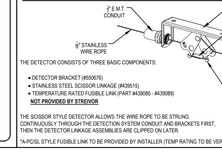
EXTINGUISHER INSTALLATION

- NFPA 96 10.2.2 - A PLACECARD SHALL BE CONSPICUOUSLY PLACED NEAR EACH K CLASS EXTINGUISHER THAT STATES THE FIRE PROTECTION SYSTEM SHALL BE ACTIVATED PRIOR TO USING THE FIRE EXTINGUISHER
- EXTINGUISHER WEIGHS 25 LBS. SEE PATH OF EGRESS DRAWING FOR LOCATION(S). CONTAINS 1.6 GALLONS OF WET CHEMICAL SUPPRESSANT.



N.T.S.

DETECTORS (Series #435546 | Terminal #435547)



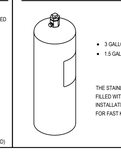
THE DETECTOR CONSISTS OF THREE BASIC COMPONENTS:

- DETECTOR BRACKET (#550578)
- STAINLESS STEEL SCISSOR LINKAGE (#439515)
- TEMPERATURE RATED FUSIBLE LINK (PART #439085 - #439089) **NOT PROVIDED BY STREVOR**

THE SCISSOR STYLE DETECTOR ALLOWS THE WIRE ROPE TO BE STRUNG CONTINUOUSLY THROUGH THE DETECTION SYSTEM CONDUIT AND BRACKETS FIRST. THEN THE DETECTOR LINKAGE ASSEMBLIES ARE CLIPPED ON LATER.

*A PCS/L STYLE FUSIBLE LINK TO BE PROVIDED BY INSTALLER (TEMP RATING TO BE VERIFIED AND DETERMINED IN FIELD)

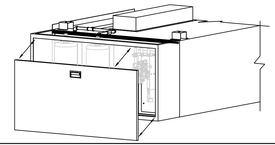
AGENT TANK DETAIL



- 3 GALLON SHIPPING WEIGHT 7 LB (3.2KG) - PART #429982
- 1.5 GALLON SHIPPING WEIGHT 5 LB (2.3KG) - PART #429864

THE STAINLESS STEEL TANK IS SHIPPED UNCHARGED AND MUST BE FILLED WITH ONLY ANSULEX LOW PH LIQUID FIRE SUPPRESSANT DURING INSTALLATION. ANSULEX IS A POTASSIUM-BASED SOLUTION DESIGNED FOR FAST KNOCK-DOWN AND SUPPRESSION OF GREASE-RELATED FIRES.

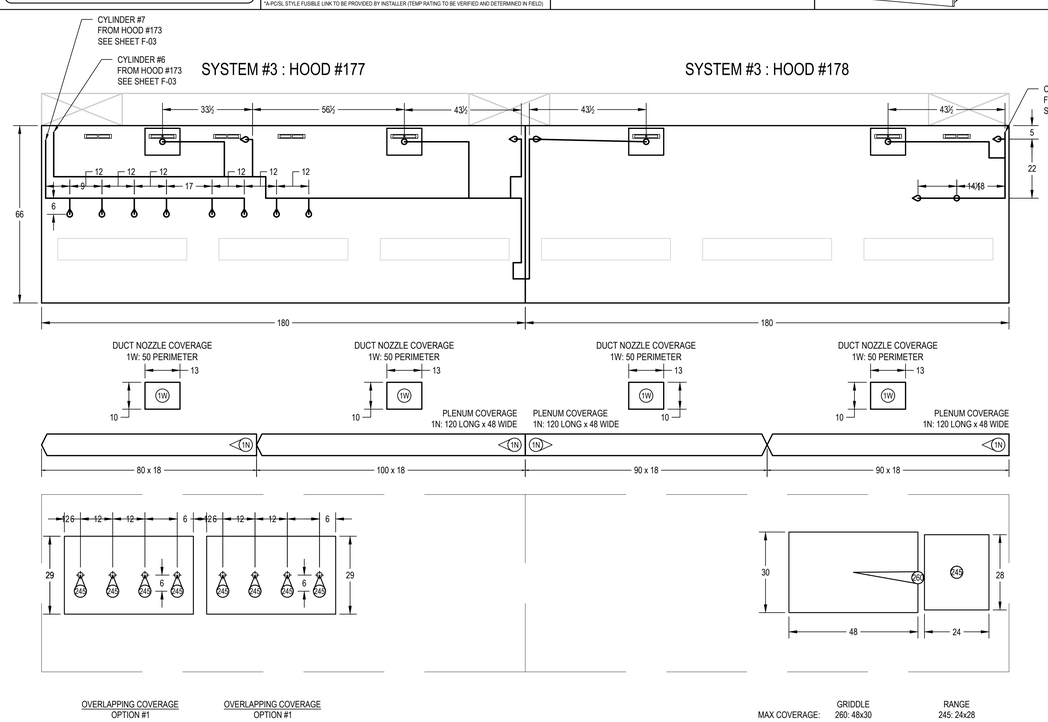
FIRE SUPPRESSION SYSTEM CABINET - FACTORY MOUNTED INSTALLATION



- 36" MINIMUM CLEARANCE REQUIRED IN FRONT OF THE REMOVABLE CABINET DOOR.
- SUPPORT BACKING REQUIRED IF CABINET MOUNTS TO WALL
- MAXIMUM CABINET HANGING HEIGHT 144" A.F.F.
- WHERE APPLICABLE, A.D.A. REQUIRES MINIMUM HANGING HEIGHT 90" A.F.F.
- CABINET AND FIRE SUPPRESSION SYSTEM COMPONENTS APPROXIMATELY 100 LBS/FT. SEE PATH OF EGRESS DRAWING FOR CABINET DIMENSIONS)

- IMAGE MAY NOT REPRESENT EXACT HOOD OPTIONS. SEE HOOD DRAWINGS FOR FULL DETAILS

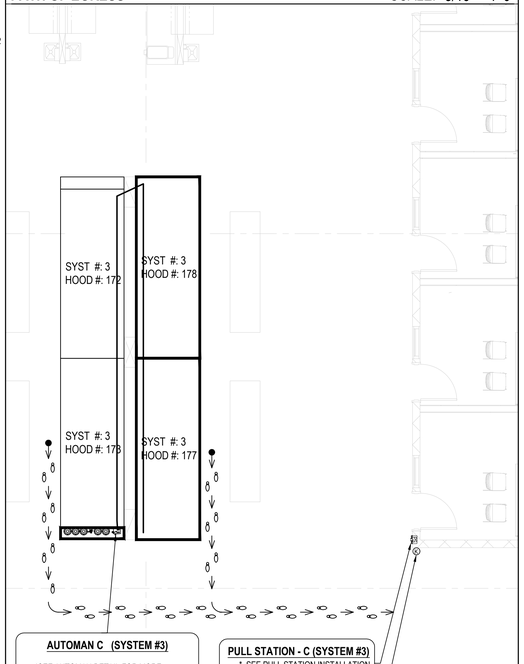
N.T.S.



NOTE: FIELD PIPING TO BE INSTALLED BY A STREIVOR APPOINTED CERTIFIED & LICENSED FIRE SUPPRESSION INSTALLER

PATH OF EGRESS

SCALE: 3/16" = 1'-0"



EGRESS LEGEND

- PATH OF EGRESS
- DETECTION LINE ROUTE
- K-CLASS FIRE EXTINGUISHER (NOT PROVIDED BY STREVOR UNLESS SPECIFICALLY INCLUDED IN THE PURCHASE ORDER)
- PULL STATION
- AUTOMAN
- GAS SHUT-OFF VALVE (SIZE AND LOCATION PER MEP DRAWINGS)

CUSTOMER APPROVAL

COOKING EQUIPMENT VERIFICATION

VERIFY THE FOLLOWING:

HIGH BACK SHELVES	YES ☐	NO ☐
RANGE COOKING SURFACE DEPTH GREATER THAN 28"	YES ☐	NO ☐
PULL STATION LOCATION(S)	YES ☐	NO ☐
UTILITY CABINET LOCATION(S)	YES ☐	NO ☐
AGENT DISTRIBUTION HOSE AND RESTRAINING CABLE KIT	YES ☐	NO ☐
CEILING HEIGHT	__'-__"	

APPROVED BY DATE

NOTE TO REVIEWER:

ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY EFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, A RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED. ADDITIONAL SITE VISIT FOR FIRE SUPPRESSION PRE-TEST IS NOT INCLUDED UNLESS SPECIFICALLY LISTED IN QUOTE.

GENERAL NOTES:

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE AN ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY DEVIATIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT STAND ANY EXPENSE FOR CHANGES MADE NECESSARY DUE TO LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

STREIVOR™ AIR SYSTEMS

"STRIVING FOR EXCELLENCE"

2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- CERTIFICATIONS
- REFERENCES AND MEDIA

PROJECT:

NORTHERN NEVADA CORRECTIONAL CENTER

1721 SNYDER AVE.
CARSON CITY, NV 89701

THE MARSHALL ASSOCIATES

ITEM #:	174
SYSTEM #:	3
HOOD #:	177 & 178
DATE:	09/08/2026
DRAWN BY:	SWB
CHECKED BY:	KCS
CONSULTANT:	THE MARSHALL ASSOCIATES
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1' - 0"

* SHIP DOES NOT MEASURE 1" TWO DRAWING IS NOT PLOTTED TO SCALE

	DESCRIPTION	DATE	INT
5	---	--/--/--	---
4	---	--/--/--	---
3	---	--/--/--	---
2	---	--/--/--	---
1	---	--/--/--	---
0	---	--/--/--	---

DRAWING:

F-04

SHEET 04 OF 05

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p 775.328.1010
f 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule		
#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - FIRE SUPPRESSION ITEM 174

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.40

6/18/2026 12:55:04 PM

GENERAL NOTES

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC. (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

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PRE-INSTALLATION

OBTAIN, READ AND UNDERSTAND STREIVOR'S DEMANDAIRE INSTALLATION, OPERATION AND MAINTENANCE MANUAL PRIOR TO INSTALLATION, OR STARTUP OR BALANCING.

INSTALLATION

ALL INSTALLATION AND STARTUP MUST BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH ALL APPLICABLE PREVAILING CODES AND STANDARDS

WIRING NOTES

1. FIELD WIRING TERMINALS USE COPPER WIRE ONLY
2. WIRE MUST BE RATED UP TO 600V
3. WIRE TEMPERATURE RATING 60° C MIN
4. LARGE TERMINAL BLOCK TIGHTENING TORQUE 1.5 - 1.8 (NM)
5. SMALL TERMINAL BLOCK TIGHTENING TORQUE 0.6 - 0.8 (NM)
6. SHIELDS OF SHIELDED CABLES MUST BE GROUNDED ON ONE SIDE

COMMISSIONING NOTES

IF COMMISSIONING IS INCLUDED, STREIVOR'S DEMANDAIRE PRE-COMMISSIONING CHECKLIST MUST BE SIGNED AND RETURNED BY THE CUSTOMER A MINIMUM OF **15 CALENDAR DAYS** PRIOR TO THE REQUESTED COMMISSIONING DATE TO AVOID INCURRING ADDITIONAL TRAVEL AND/OR EXPEDITING COSTS

HOOD SCHEDULE

HOOD	GROUP	SUPPLY FAN	EXHAUST FAN	FSS#	CIRCUIT DESCRIPTION
172	---	SF-X	EF-X	3	CONTROL PANEL
173	---	SF-X	EF-X	3	GAS VALVE
177	---	SF-X	EF-X	3	---
178	---	SF-X	EF-X	3	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---

REFER TO HOOD DRAWINGS FOR HOOD DETAILS

ELECTRICAL SCHEDULE

HP	V/Ø	AMPS	FEED
---	120/1	16	CB
---	120/1	16	CB
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---

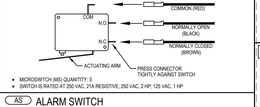
CB: CIRCUIT BREAKER BY ELECTRICAL CONTRACTOR

ELECTRICAL ROUGH-IN SCHEDULE

ITEM	DETAIL	ROUGH-IN REQUIREMENTS	ELECTRICAL CONDUIT
DEMANDAIRE CONTROL PANEL	---	MOUNTED IN HOOD UTILITY CABINET	120VAC, 24 VDC, 4-20 mA, CAT5
HMI ENCLOSURE	HMI	10 1/4" X 12 1/4" I.D. FRAMED OPENING	24 VDC, 4-20 mA, CAT5
---	---	---	---

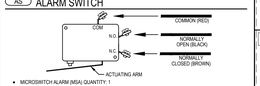
ELECTRICAL CONTRACTOR TO VERIFY ROUGH-IN LOCATION AND ELECTRICAL REQUIREMENTS

ES ELECTRIC SWITCH



- MICROSWITCH (MS) QUANTITY: 3
- SWITCH IS RATED AT 250 VAC, 21A RESISTIVE; 250 VAC, 2 HP, 125 VAC, 1 HP

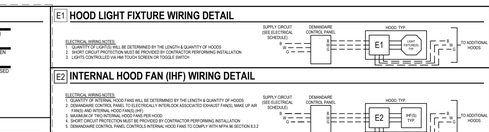
AS ALARM SWITCH



- MICROSWITCH ALARM (MSA) QUANTITY: 1
- SWITCH IS RATED AT 3A VDC, 50 mA
- FIRE SUPPRESSION SYSTEM TO BE FIELD WIRED INTO BUILDING FIRE ALARM SYSTEM **(NPBS)**

ELECTRIC/ALARM SWITCH COMPONENTS AND FUNCTIONALITY PROVIDED AS PART OF THE FIRE SUPPRESSION SYSTEM

E1 HOOD LIGHT FIXTURE WIRING DETAIL

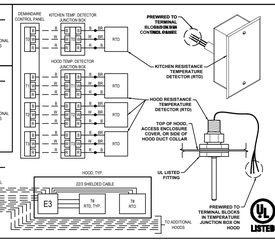


E2 INTERNAL HOOD FAN (IHF) WIRING DETAIL

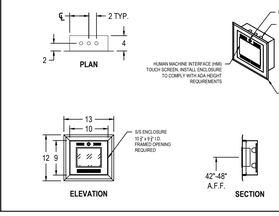


E3 KITCHEN & HOOD RESISTANCE TEMPERATURE DETECTOR (RTD) WIRING DETAIL

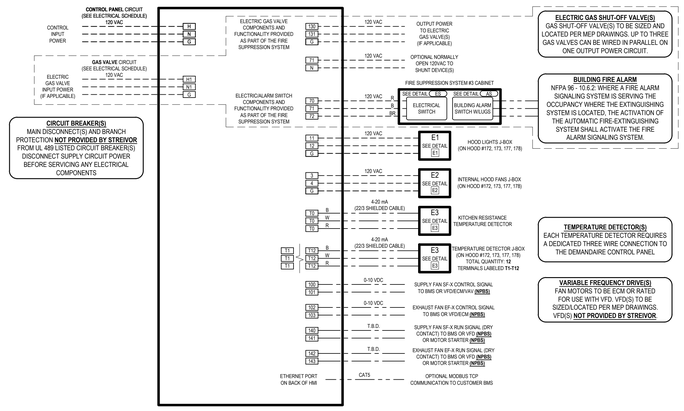




HMI HUMAN MACHINE INTERFACE (RECESSED ENCLOSURE)



DEMANDAIRE GOLD CONTROL PANEL WIRING DIAGRAM #175



ELECTRIC GAS SHUT-OFF VALVE(S)
GAS SHUT-OFF VALVE(S) TO BE SIZED AND LOCATED PER MEP DRAWINGS. UP TO THREE GAS VALVES CAN BE WIRED IN PARALLEL ON ONE OUTPUT POWER CIRCUIT.

BUILDING FIRE ALARM
NFPA 96 - 10.6.2: WHERE A FIRE ALARM SIGNALING SYSTEM IS SERVING THE OCCUPANCY WHERE THE EXTINGUISHING SYSTEM IS LOCATED, THE ACTIVATION OF THE AUTOMATIC FIRE-EXTINGUISHING SYSTEM SHALL ACTIVATE THE FIRE ALARM SIGNALING SYSTEM.

TEMPERATURE DETECTOR(S)
EACH TEMPERATURE DETECTOR REQUIRES A DEDICATED THREE WIRE CONNECTION TO THE DEMANDAIRE CONTROL PANEL

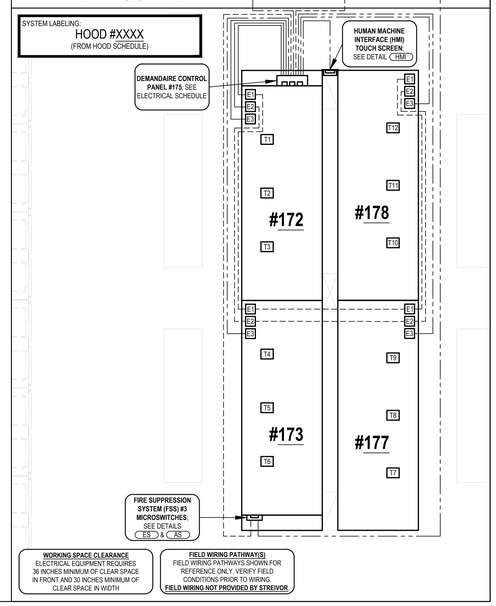
VARIABLE FREQUENCY DRIVE(S)
FAN MOTORS TO BE ECM OR RATED FOR USE WITH VFD. VFD(S) TO BE SIZED/LOCATED PER MEP DRAWINGS. VFD(S) **NOT PROVIDED BY STREIVOR**

LEGEND (WIRING DIAGRAM & DESIGN PLAN)

- STREIVOR FACTORY WIRING
- VOLTAGE T.B.D. FIELD WIRING **(NPBS)**
- 120/1 VAC FIELD WIRING **(NPBS)**
- LOW VOLTAGE FIELD WIRING **(NPBS)**
- E1 HOOD LIGHT(S) JUNCTION BOX SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E1
- E2 INTERNAL HOOD FAN(S) JUNCTION BOX SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E2
- E3 TEMPERATURE DETECTOR(S) JUNCTION BOX SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E3
- 7# RESISTANCE TEMPERATURE DETECTOR(S) SEE DEMANDAIRE DESIGN PLAN
- VFD VARIABLE FREQUENCY DRIVE
- BMS BUILDING MANAGEMENT SYSTEM
- **NPBS** NOT PROVIDED BY STREIVOR

FAN MOTOR DRIVE(S) OR BMS | ELECTRIC GAS VALVE(S) | BUILDING FIRE ALARM

DEMANDAIRE DESIGN PLAN



WORKING SPACE CLEARANCE
ELECTRICAL EQUIPMENT REQUIRES 36 INCHES MINIMUM OF CLEAR SPACE IN FRONT AND 30 INCHES MINIMUM OF CLEAR SPACE IN WIDTH

FIELD WIRING PATHWAY(S)
FIELD WIRING PATHWAYS SHOWN FOR REFERENCE ONLY. VERIFY FIELD CONDITIONS PRIOR TO WIRING. **FIELD WIRING NOT PROVIDED BY STREIVOR**

DRAWING APPROVAL

THIS DRAWING MUST BE REVIEWED, SIGNED & RETURNED TO STREIVOR AIR SYSTEMS PRIOR TO THE START OF FABRICATION.

VERIFY THE FOLLOWING:

1. ALL DIMENSIONAL INFORMATION, MOUNTING LOCATIONS & CLEARANCES.
2. FAN HORSEPOWER, VOLTAGE & PHASE (IF VFDS OR MOTOR STARTERS ARE PROVIDED BY STREIVOR)

APPROVED FOR FABRICATION

- ☐ APPROVED
- ☐ APPROVED AS NOTED
- ☐ REVISE & RESUBMIT

APPROVED BY _____ DATE _____

NOTE TO REVIEWER:
ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY AFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, AS RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED.

STREIVOR™ AIR SYSTEMS "STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- SEQUENCE OF OPERATION
- CERTIFICATIONS AND MEDIA

PROJECT:
NORTHER NEVADA CORRECTIONAL CENTER
1721 SNYDER AVE.
CARSON CITY, NV 89701
THE MARSHALL ASSOCIATES

SHORT CIRCUIT CURRENT RATING : 5KA RMS, 120V MAX
VERIFY JOB SITE REQUIREMENTS

SERIAL NO.:	DA--------
CONTROL PANEL NO.	---
C.P. ENCLOSURE NO.	---
HMI ENCLOSURE NO.	---
ITEM #:	175
MODEL:	GOLD
DATE:	09/03/26
DRAWN BY:	ADL
CHECKED BY:	PJK
CONSULTANT:	THE MARSHALL ASSOCIATES
SCALE:	N.T.S.

	DESCRIPTION	DATE	INT
1	---	-/-/--	---
2	---	-/-/--	---
3	---	-/-/--	---
4	---	-/-/--	---
5	---	-/-/--	---

DRAWING:
DA-03
SHEET 03 OF 04

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VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
p: 775.328.1010
f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - DCKV SYSTEM ITEM 175

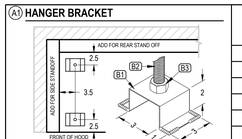
job number
25015

date
OCTOBER 27, 2026

drawing number
FS.41

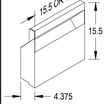
6/18/2026 12:55:04 PM

A1 HANGER BRACKET



B1 STAINLESS STEEL HANGER BRACKET
B2 ⅜" THREADED ROD
B3 ⅜" HEAVY DUTY LOCK NUTS, (1) ABOVE (1) BELOW
(THREADED ROD & LOCK NUTS NOT PROVIDED)
(HANGERS FACTORY WELDED UNLESS OTHERWISE SPECIFIED)

A2 EXTRACTAIRE HVC CARTRIDGE FILTER

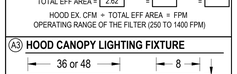


304 STAINLESS STEEL
US PATENT# 6,394,083

FILTER:		#208					
H x L	EFF AREA	QTY	AREA	QTY	AREA	QTY	AREA
1616	0.40	X 4	1.60				
1620	0.51	X 2	1.02				
TOTAL EFF AREA =		2.62	=		=		=

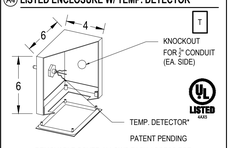
HOOD EX. CFM ÷ TOTAL EFF AREA = FPM
OPERATING RANGE OF THE FILTER (250 TO 1400 FPM)

A3 HOOD CANOPY LIGHTING FIXTURE



- RECESSED L.E.D. WARM LIGHTS - 3000K
- SPECIFICALLY DESIGNED FOR CANOPY HOODS
- TEMPERATURE RATED TO 75°C (167°F)
- MEETS NFPA CODE 96 & NEC 410
- TOTAL LUMENS OUTPUT = 4228 (36"), 4925 (48")
- 43 WATTS (36"), 53 WATTS (48")

A4 LISTED ENCLOSURE W/ TEMP. DETECTOR



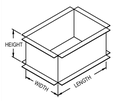
PATENT PENDING

REMOVABLE COVER ALLOWS EASY ACCESS FOR INSTALLATION, ADJUSTMENTS AND SERVICE OF MONITORING EQUIPMENT FROM UNDER THE HOOD.

*FOR TEMPERATURE DETECTOR WIRING SEE DETAIL E3

A5 DUCT CONNECTION DETAIL

EXHAUST DUCT COLLAR DETAIL



1" FLANGE AT TOP AND BOTTOM OF COLLAR ALLOWS FOR DUCT CONNECTIONS

BALANCEAIRE NOT INCLUDED

INTERNALLY ADJUSTABLE VARIABLE VOLUME DAMPER



1" FLANGE AT TOP AND BOTTOM OF COLLAR ALLOWS FOR DUCT CONNECTIONS

US PATENT# D634,419 S

THE BALANCEAIRE'S OPPOSED BLADES CAN BE ADJUSTED TO VARYING POSITIONS, FROM 100% OPEN TO 95% CLOSED TO INCREASE OR DECREASE THE AMOUNT OF RESISTANCE IN THE HOODS EXHAUST COLLAR. THE EXHAUST FAN MUST BE SIZED TO ACCOUNT FOR THE BALANCEAIRE'S ADDED RESISTANCE.

GENERAL NOTES:

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC. (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY DEVIATIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT STAND ANY EXPENSE FOR CHANGES MADE NECESSARY DUE TO LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR, BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

HOOD SCHEDULE / EXHAUST

NO.	MODEL	L	W	H	WEIGHT	SPEC. CFM	SP	CFM/FT	DIST. FROM COOKING SURFACE TO LOWER EDGE OF HOOD. OH1 MIN.	OH1 MAX.	MINIMUM OVERHANG OPEN SIDES OH2	OH3	EQUIP. DUTY TEMPERATURE
											SIDE	FRONT	MAX.
208	ICBD 606624	60	66	24	1218	1750	0.70	350	36	48	6	6	450

1 GREATER EXHAUST AND/OR LESSER SUPPLY AIR FLOW RATES MAY BE REQUIRED FOR COMPLETE VAPOR AND SMOKE REMOVAL IN SPECIFIC INSTALLATION(S).
2 THE EXHAUST FAN MUST BE OPERATED WHENEVER THE COOKING EQUIPMENT IS TURNED ON. (NFPA SECTION 11.1.1).

HOOD CANOPY MATERIAL: ALL 304 SERIES STAINLESS STEEL

HOOD LEGEND

1. ALL WELDED ENCLOSURE
2. 16 GA. SIDES, REMAINDER OF HOOD TO BE NO LESS THAN 18 GA.
3. PITCHED GREASE DRIP TRAY
4. ENCLOSED METAL CONTAINER
5. CONTAINMENT PANEL: LIGHT DUTY
7. UTILITY CABINET (REQUIRES 36" OF OPEN SPACE IN FRONT OF THE DOOR)
8. 12" HOOD OVERHANG IS RECOMMENDED FOR ALL HEAVY DUTY COOKING APPLIANCES
9. 8" ROUND INTERNAL HOOD FAN (IHF) COLLAR WITH UL LISTED FIRE DAMPER 6"X6"
10. 8" ROUND IHF SUPPLY DUCT (SHIPPED LOOSE FOR SA OPTION A)
12. DEMANDAIRE CONTROL PANEL
13. INTERNAL HOOD FAN W/SPEED CONTROL

ELECTRICAL SCHEDULE

CIRCUIT	DESCRIPTION	PHASE	AMPS	FEED FROM

CB: CIRCUIT BREAKER FOR ELECTRICAL CONTROL

IF AN ELECTRICAL SCHEDULE PANEL FOR THE HOODS IS INCLUDED, THE ABOVE SCHEDULE IS NOT VALID. REFER TO DEMANDAIRE DRAWINGS.

DEMANDAIRE DRAWINGS

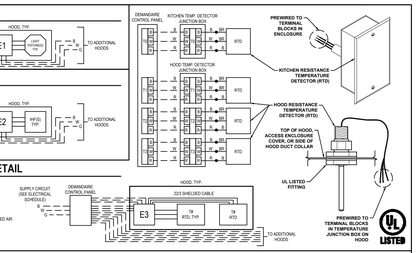
ELECTRICAL LEGEND

STREIVOR FACTORY WIRING
FIELD WIRING **NOT PROVIDED BY STREIVOR**

- E1 HOOD LIGHT(S) JUNCTION BOX SEE DETAIL E1
- E2 INTERNAL HOOD FAN(S) JUNCTION BOX SEE DETAIL E2
- E3 TEMPERATURE DETECTOR(S) JUNCTION BOX SEE DETAIL E3

NOTE: FACTORY INSTALLATION OF JUNCTION BOXES MAY DIFFER FROM LOCATION ON DRAWINGS

E1 HOOD LIGHT FIXTURE WIRING DETAIL



ELECTRICAL WIRING NOTES:
1. QUANTITY OF LIGHTS WILL BE DETERMINED BY THE LENGTH & QUANTITY OF HOODS
2. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
3. LIGHTS CONTROLLED VIA HMI TOUCH SCREEN OR TOGGLE SWITCH
4. REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

E2 INTERNAL HOOD FAN (IHF) WIRING DETAIL

ELECTRICAL WIRING NOTES:
1. QUANTITY OF INTERNAL HOOD FANS WILL BE DETERMINED BY THE LENGTH & QUANTITY OF HOODS
2. DEMANDAIRE CONTROL PANEL TO ELECTRICALLY INTERLOCK ASSOCIATED EXHAUST PANEL, MAKE UP AIR FAN(S) AND INTERNAL HOOD FAN(S) (IHF)
3. ONE (1) IHF REQUIRED PER HOOD
4. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
5. DEMANDAIRE CONTROL PANEL CONTROLS INTERNAL HOOD FANS TO COMPLY WITH NFPA 96 SECTION 8.3.2
6. REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

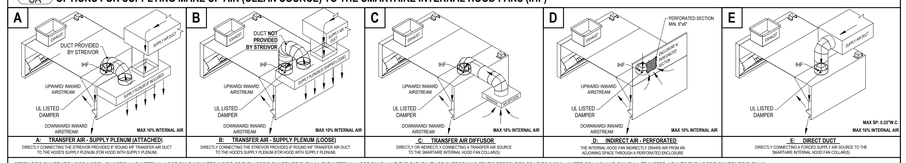
NFPA 96 SECTION 8.3.2
AN APPROVED, INDEPENDENT INTERLOCKING SYSTEM OF ALLOWING SUCH EQUIPMENT TO OPERATE WHEN EXHAUST FANS ARE FUNCTIONING. SYSTEM DISCHARGES. MAKEUP AIR SUPPLIED INTERNALLY TO A HOOD SHALL BE SHUT OFF.

E3 KITCHEN & HOOD RESISTANCE TEMPERATURE DETECTOR (RTD) WIRING DETAIL

ELECTRICAL WIRING NOTES:
1. WHEN THE TEMPERATURE DETECTED BY THE RTD EXCEEDS ONE OF ITS SET POINTS, THE FAN SPEED CONTROL SIGNAL PROVIDED BY THE DEMANDAIRE CONTROL PANEL WILL VARY ACCORDINGLY.
2. EACH RTD SET POINT IS ADJUSTABLE VIA HMI TOUCH SCREEN SETTINGS.
3. STREIVOR RECOMMENDS ALL WIRING BE BETWEEN RTD AND DEMANDAIRE CONTROL PANEL TO BE UL LISTED 22 AWG THREE STRAND SHIELDED COMMUNICATION CABLE
4. SHORT CIRCUIT PROTECTION MUST BE PROVIDED BY CONTRACTOR PERFORMING INSTALLATION
5. UP TO THREE PRE-WIRED RESISTANCE TEMPERATURE DETECTORS PER HOOD, EACH REQUIRING A DEDICATED THREE-WIRE CONNECTION BACK TO THE DEMANDAIRE CONTROL PANEL.
6. KITCHEN RESISTANCE TEMPERATURE DETECTOR SHOULD BE INSTALLED AWAY FROM DIRECT SUNLIGHT, MAKEUP AIR DIFFUSER AIRSTREAMS AND OTHER SOURCES OF HEATED OR COOLED AIR
7. REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION

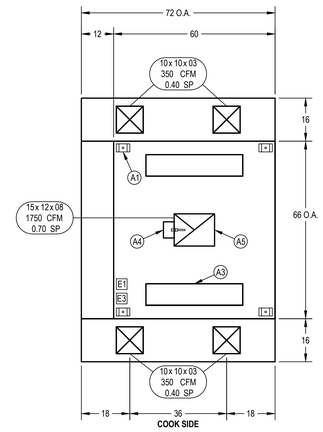
THE EXHAUST FAN SHALL BE PROVIDED WITH A MEANS SO THAT THE FAN IS ACTIVATED WHEN ANY APPLIANCE UNDER THE HOOD IS TURNED ON

SA OPTIONS FOR SUPPLYING MAKE UP AIR (CLEAN SOURCE) TO THE SMARTAIRE INTERNAL HOOD FANS (IHF)

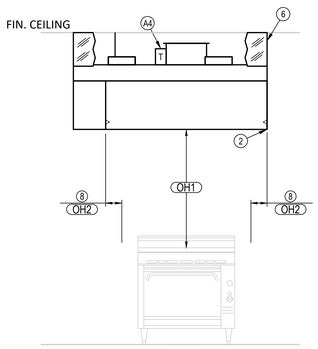


STREIVOR'S SMARTAIRE HOOD MODEL (SAWCSD) HAS INTERNAL HOOD FANS MOUNTED INSIDE OF THE HOOD'S SMARTAIRE PLENUM. THE INTERNAL HOOD FANS HAVE THE CAPABILITY OF OVERCOMING STATIC PRESSURES OF UP TO 0.25 IN. WATER COLUMN AND CAN PULL TRANSFER AIR INTO THE HOOD'S SMARTAIRE PLENUM. THE SMARTAIRE TECHNOLOGY INCLUDES TWO LOW-VOLUME, HIGH-VELOCITY AIR STREAMS INCORPORATED INTO THE LOWER FRONT EDGE OF THE HOOD. THE AIR STREAMS RUN CONTINUOUSLY ACROSS THE INNER FRONT EDGE OF THE HOOD. ONE AIR STREAM IS DIRECTED IN AN UPWARD, INWARD DIRECTION AND ONE AIR STREAM IS DIRECTED IN A DOWNWARD, INWARD DIRECTION. THE SMARTAIRE TECHNOLOGY SIGNIFICANTLY IMPROVES THE HOOD'S ABILITY TO CAPTURE AND CONTAIN THE THERMAL PLUME AND COOKING EFFLUENTS GENERATED FROM COOKING APPLIANCES UNDER THE HOOD. THE AIR STREAMS ARE LOCATED WITHIN THE HOOD'S CANOPY AND ARE THEREFORE CONSIDERED TO BE REPLACEMENT/COMPENSATING AIR. EFFORTS SHOULD BE TAKEN TO ENSURE THAT UNCLEAN TRANSFER AIR (SUCH AS ATTIC AIR) IS NOT USED FOR THE SMARTAIRE TECHNOLOGY AIR STREAMS.

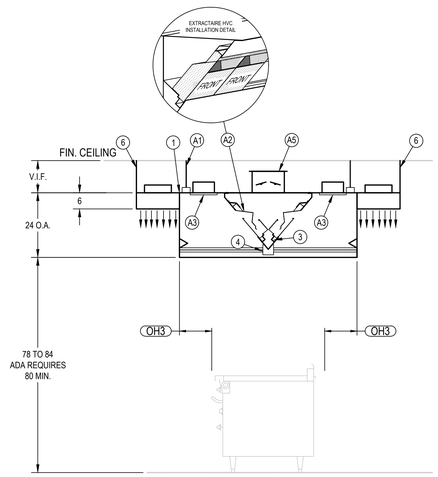
ASHRAE/ANSI 90.1 AND CALIFORNIA TITLE24 ENERGY CODES LIMIT THE AMOUNT OF REPLACEMENT AIR THAT CAN BE INTRODUCED INTO A HOOD TO 10% OF THE HOOD EXHAUST AIRFLOW RATE. SMARTAIRE HOODS ARE DESIGNED TO COMPLY WITH THESE ENERGY CODES.



HOOD #208
PLAN VIEW



RANGE
HOOD #208
ELEVATION VIEW



RANGE
HOOD #208
SECTION VIEW

PURCHASING CUSTOMER EXHAUST COLLAR APPROVAL

OPTIONS -

☐ SHIP COLLAR LOOSE (THE PURCHASER ACCEPTS THE OBLIGATION AND COST OF CUTTING/WELDING COLLAR)

☐ WELD COLLAR TO HOOD (DIMENSIONS REQUIRED)

PURCHASING CUSTOMER DRAWING APPROVAL

THIS DRAWING MUST BE REVIEWED, SIGNED & RETURNED BY THE PURCHASING CUSTOMER TO STREIVOR AIR SYSTEMS PRIOR TO THE START OF FABRICATION.

VERIFY THE FOLLOWING:

1. ALL DIMENSIONAL INFORMATION, MOUNTING LOCATIONS & CLEARANCES
2. THE LOCATION & TYPE OF COOKING EQUIPMENT.

APPROVED FOR FABRICATION

☐ APPROVED ☐ APPROVED AS NOTED

☐ REVISE & RESUBMIT

APPROVED BY _____ DATE _____

NOTE TO REVIEWER:

ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY AFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, A RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED.

PRE - INSTALLATION

OBTAIN, READ AND UNDERSTAND STREIVOR'S HOOD INSTALLATION, OPERATION AND MAINTENANCE MANUAL PRIOR TO INSTALLATION, STARTUP OR BALANCING.

INSTALLATION

ALL INSTALLATION, STARTUP AND BALANCING MUST BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH ALL APPLICABLE PREVAILING CODES AND STANDARDS.

STANDARD NFPA 96 HOOD CLEARANCES

0" TO NON-COMBUSTIBLE MATERIALS
3" TO LIMITED-COMBUSTIBLE MATERIALS
18" TO COMBUSTIBLE MATERIAL

OVERHEAD CLEARANCES

10" CLEARANCE IS REQUIRED ABOVE THE HOOD

REDUCED CLEARANCES

REDUCED CLEARANCES MAY BE AVAILABLE. CONSULT FACTORY FOR REDUCED CLEARANCE OPTIONS.

TEST AND BALANCE

THE SPECIFIED EXHAUST CFMS LISTED ON THIS DRAWING MUST BE MET DURING TEST AND BALANCE OF THE HOOD SYSTEM(S).
VARIANCE EXHAUST = -0% +10%
VARIANCE SUPPLY = -10% +0%

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- CERTIFICATIONS
- DATA SHEETS & MEDIA

PROJECT:
NORTHERN NEVADA CORRECTIONAL CENTER

---,-- -----
THE MARSHALL ASSOCIATES

HOOD #:	208
DATE:	09/08/2026
DRAWN BY:	GRD
CHECKED BY:	PJK
SPECIFIER:	THE MARSHALL ASSOCIATES
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1'-0"

IF BAR DOES NOT MEASURE 1" THIS DRAWING IS NOT PLOTTED TO SCALE

	DESCRIPTION	DATE	INT
1	---	--/--/--	---
2	---	--/--/--	---
3	---	--/--/--	---
4	---	--/--/--	---
5	---	--/--/--	---
6	---	--/--/--	---

DRAWING:
H-05
SHEET 05 OF 05

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VanWoert Bigotti architects
1400 s. virginia st suite c
reno, nevada 89502
p. 775.328.1010
f. 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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The Marshall Associates, Inc.
Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS - EXHAUST HOOD ITEM 208

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.42

6/18/2026 12:55:04 PM

GENERAL NOTES

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC. (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY DEVIATIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT STAND ANY EXPENSE FOR CHANGES MADE NECESSARY DUE TO LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR. BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

PRE-INSTALLATION

OBTAIN, READ AND UNDERSTAND STREIVOR'S DEMANDAIRE INSTALLATION, OPERATION AND MAINTENANCE MANUAL PRIOR TO INSTALLATION, OR STARTUP OR BALANCING.

INSTALLATION

ALL INSTALLATION AND STARTUP MUST BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH ALL APPLICABLE PREVAILING CODES AND STANDARDS

WIRING NOTES

1. FIELD WIRING TERMINALS USE COPPER WIRE ONLY
2. WIRE MUST BE RATED UP TO 600V
3. WIRE TEMPERATURE RATING 60° C MIN
4. LARGE TERMINAL BLOCK TIGHTENING TORQUE 1.5 - 1.8 (NM)
5. SMALL TERMINAL BLOCK TIGHTENING TORQUE 0.6 - 0.8 (NM)
6. SHIELDS OF SHIELDED CABLES MUST BE GROUNDED ON ONE SIDE

COMMISSIONING NOTES

IF COMMISSIONING IS INCLUDED, STREIVOR'S DEMANDAIRE PRE-COMMISSIONING CHECKLIST MUST BE SIGNED AND RETURNED BY THE CUSTOMER A MINIMUM OF **15 CALENDAR DAYS** PRIOR TO THE REQUESTED COMMISSIONING DATE TO AVOID INCURRING ADDITIONAL TRAVEL AND/OR EXPEDITING COSTS

HOOD SCHEDULE

HOOD	GROUP	SUPPLY FAN	EXHAUST FAN	FSS#	CIRCUIT DESCRIPTION	HP	V/Ø	AMPS	FEED
208	---	SF-X	EF-X	4	CONTROL PANEL	---	120/1	16	CB
---	---	---	---	---	GAS VALVE	---	120/1	16	CB
---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---
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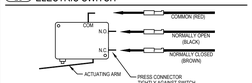
REFER TO HOOD DRAWINGS FOR HOOD DETAILS — **CB:** CIRCUIT BREAKER BY ELECTRICAL CONTRACTOR

ELECTRICAL ROUGH-IN SCHEDULE

ITEM	DETAIL	ROUGH-IN REQUIREMENTS	ELECTRICAL CONDUIT
DEMANDAIRE CONTROL PANEL	DCP	14 1/4" X 16 1/4" I.D. FRAMED OPENING	120 VAC, 24 VDC, 4-20 mA
---	---	---	---
---	---	---	---

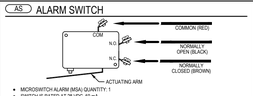
ELECTRICAL CONTRACTOR TO VERIFY ROUGH-IN LOCATION AND ELECTRICAL REQUIREMENTS

ES ELECTRIC SWITCH



- MICROSWITCH (MS) QUANTITY: 3
- SWITCH IS RATED AT 250 VAC, 21A RESISTIVE; 250 VAC, 2 HP; 125 VAC, 1 HP

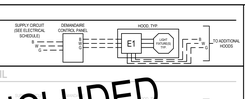
AS ALARM SWITCH



- MICROSWITCH ALARM (MSA) QUANTITY: 1
- SWITCH IS RATED AT 28 VDC, 50 mA
- FIRE SUPPRESSION SYSTEM TO BE FIELD WIRED INTO BUILDING FIRE ALARM SYSTEM **(NPBS)**

ELECTRIC/ALARM SWITCH COMPONENTS AND FUNCTIONALITY PROVIDED AS PART OF THE FIRE SUPPRESSION SYSTEM

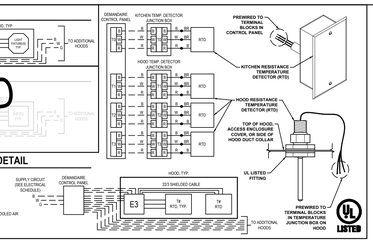
E1 HOOD LIGHT FIXTURE WIRING DETAIL



E2 INTERNAL HOOD FAN (IHF) WIRING DETAIL

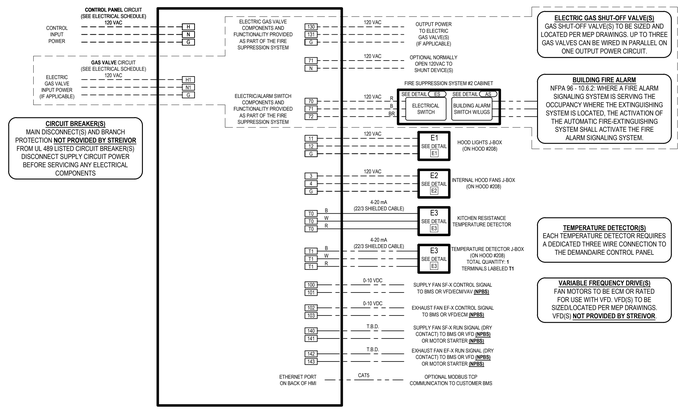
NOT INCLUDED

E3 KITCHEN & HOOD RESISTANCE TEMPERATURE DETECTOR (RTD) WIRING DETAIL



UL LISTED STD 508A

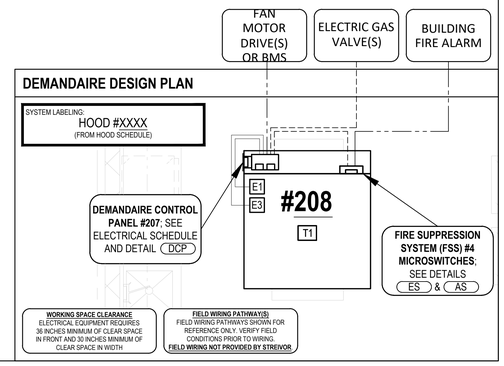
DEMANDAIRE SILVER CONTROL PANEL WIRING DIAGRAM #207



LEGEND (WIRING DIAGRAM & DESIGN PLAN)

- STREIVOR FACTORY WIRING
- VOLTAGE T.B.D. FIELD WIRING **(NPBS)**
- 120/1 VAC FIELD WIRING **(NPBS)**
- LOW VOLTAGE FIELD WIRING **(NPBS)**
- E1 — HOOD LIGHT(S) JUNCTION BOX SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E1
- E3 — TEMPERATURE DETECTOR(S) JUNCTION BOX SEE DEMANDAIRE WIRING DIAGRAM AND DETAIL E3
- T# — RESISTANCE TEMPERATURE DETECTOR(S) SEE DEMANDAIRE DESIGN PLAN
- VFD — VARIABLE FREQUENCY DRIVE
- BMS — BUILDING MANAGEMENT SYSTEM
- **NPBS** — NOT PROVIDED BY STREIVOR

DEMANDAIRE DESIGN PLAN



DRAWING APPROVAL

THIS DRAWING MUST BE REVIEWED, SIGNED & RETURNED TO STREIVOR AIR SYSTEMS PRIOR TO THE START OF FABRICATION.

VERIFY THE FOLLOWING:

1. ALL DIMENSIONAL INFORMATION, MOUNTING LOCATIONS & CLEARANCES.
2. FAN HORSEPOWER, VOLTAGE & PHASE (IF VFDS OR MOTOR STARTERS ARE PROVIDED BY STREIVOR)

APPROVED FOR FABRICATION

- ☐ APPROVED
- ☐ APPROVED AS NOTED
- ☐ REVISE & RESUBMIT

APPROVED BY _____ DATE _____

NOTE TO REVIEWER:
ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY AFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, AS RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED.

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- SEQUENCE OF OPERATION
- CERTIFICATIONS AND MEDIA

PROJECT:
NORTHER NEVADA CORRECTIONAL CENTER
1721 SNYDER AVE.
CARSON CITY, NV 89701

THE MARSHALL ASSOCIATES

SHORT CIRCUIT CURRENT RATING : 5KA RMS, 120V MAX **VERIFY JOB SITE REQUIREMENTS**	
SERIAL NO.	DA--------
CONTROL PANEL NO.	---
C.P. ENCLOSURE NO.	---
HMI ENCLOSURE NO.	---
ITEM #:	207
MODEL:	SILVER
DATE:	09/03/26
DRAWN BY:	ADL
CHECKED BY:	PJK
CONSULTANT:	THE MARSHALL ASSOCIATES
SCALE:	N.T.S.

	DESCRIPTION	DATE	INT
1	---	-/-/--	---
2	---	-/-/--	---
3	---	-/-/--	---
4	---	-/-/--	---
5	---	-/-/--	---
6	---	-/-/--	---

DRAWING:
DA-04
SHEET 04 OF 04

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p: 775.328.1010
f: 775.328.1020
info@vwbarchitects.com

construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
////
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Foodservice & Laundry Consultants/Designers
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2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule		
#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE MANUFACTURER DRAWINGS -DCKV SYSTEM FOR ITEM 208

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.43

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LISTINGS & STANDARDS

THIS WET CHEMICAL EXTINGUISHING SYSTEM IS ENGINEERED TO PROVIDE FIRE PROTECTION FOR RESTAURANT HOODS, DUCTS AND COOKING APPLIANCES, IS **UL 300** LISTED AND IS TO BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

- NFPA 17A 2024 EDITION
- NFPA 10 2022 EDITION
- NFPA 96 2024 EDITION

SECTIONS & CODES

NFPA 10 2022 EDITION

(6.6.2) MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 30 FT (9.1 M) FROM THE HAZARD TO THE EXTINGUISHER(S)

NFPA 17A 2024 EDITION

(5.2.1.10.1) EACH MANUAL ACTUATION DEVICE SHALL BE INSTALLED NO MORE THAN 48 IN. (1200 MM) AND NO LESS THAN 42 IN. (1067 MM) ABOVE THE FLOOR.

NFPA 96 2024 EDITION

(8.2.3.1) A HOOD EXHAUST FAN(S) SHALL CONTINUE TO OPERATE AFTER THE EXTINGUISHING SYSTEM HAS BEEN ACTIVATED UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE DESIGN OF THE EXTINGUISHING SYSTEM.

(8.2.3.2) THE HOOD EXHAUST FAN SHALL START UPON ACTIVATION OF THE EXTINGUISHING SYSTEM IF THE EXHAUST FAN AND ALL COOKING EQUIPMENT SERVED BY THE FAN HAVE BEEN SHUT DOWN, UNLESS FAN SHUTDOWN IS REQUIRED BY A LISTED COMPONENT OF THE VENTILATION SYSTEM OR BY THE LISTING OF THE EXTINGUISHING SYSTEM.

(8.3.2) WHEN THE FIRE-EXTINGUISHING SYSTEM ACTIVATES, MAKEUP AIR SUPPLIED INTERNALLY TO A HOOD SHALL BE SHUT OFF.

(10.4.1) UPON ACTIVATION OF ANY FIRE EXTINGUISHING SYSTEM FOR A COOKING OPERATION, ALL SOURCES OF FUEL AND ELECTRICAL POWER THAT PRODUCE HEAT TO ALL EQUIPMENT REQUIRING PROTECTION BY THAT SYSTEM SHALL AUTOMATICALLY SHUT OFF.

(10.4.3) GAS APPLIANCE NOT REQUIRING PROTECTION BUT LOCATED UNDER VENTILATING EQUIPMENT WHERE PROTECTED APPLIANCES ARE LOCATED SHALL BE AUTOMATICALLY SHUT OFF UPON ACTIVATION OF THE EXTINGUISHING SYSTEM.

(10.4.4) SHUTOFF DEVICE SHALL REQUIRE MANUAL RESETTING PRIOR TO FUEL / POWER BEING RESTORED

(10.5.1.1) AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

(10.5.1.2) THE MANUAL ACTUATION DEVICE SHALL CLEARLY IDENTIFY THE HAZARD PROTECTED.

CMC 2022 EDITION

(513.5) ALL SYSTEMS SHALL HAVE BOTH AUTOMATIC AND MANUAL METHODS OF ACTUATION. AT LEAST ONE MANUAL ACTUATION DEVICE SHALL BE LOCATED IN A MEANS OF EGRESS OR AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

INSTALLATION REQUIREMENTS

1. ALL PIPE SHALL BE SCHEDULE 40 BLACK IRON. CHROME PLATED/SLEEVED WHERE EXPOSED.
2. ALL CYLINDER SYSTEMS SHALL HAVE 3/8" SUPPLY LINES AND 3/8" BRANCH LINES.
3. ALL WIRE ROPE SHALL BE 1/16" STAINLESS STEEL AND RUN THROUGH 1/2" EMT CONDUIT.
4. U.L. LISTED CORNER PULLEYS REQUIRED WHENEVER THE STAINLESS STEEL CABLE DIRECTION CHANGES.
5. ALL EQUIPMENT WITH FIRE PROTECTION MUST BE SECURED TO FLOOR. (NOT BY STREIVOR)
6. SWIVEL ADAPTERS MAY BE ADDED TO NOZZLES FOR UP TO 30° ROTATION.

SYSTEM #4

PAGE NUMBERS REFERENCED FROM THE ANSUL R-102 FIRE SUPPRESSION SYSTEM TECHNICAL MANUAL

CABLE/LINE LIMITATIONS - AUTOMAN D

		LENGTH		PULLEYS	BRACKETS
FUSIBLE LINK (pg. 4-71)	MAXIMUM	150.00	FT	20	15
	ALLOTTED	7.00	FT	3	1*
PULL STATION - D (pg. 4-73)	MAXIMUM	150.00	FT	20	N/A
	ALLOTTED	27.00	FT	2	N/A
GAS VALVE(S) (pg. 4-74)	MAXIMUM	150.00	FT	20	N/A
	ALLOTTED	--.--	FT	--	N/A
GAS CARTRIDGE(S) (pg. 4-61)	MODEL	LT-30-R		--	--
	PART NUMBER	423435		--	--

CYLINDER #8

COVERAGE DESCRIPTION	NOZZLE	QTY.	FLOW POINTS	PAGE
DUCT	2W	1	2	4-1
PLENUM	1W	1	1	4-6
RANGE	1N	3	3	4-13

MODEL	FLOW POINTS	FIRST TO LAST
3 GALLON	8 ALLOTTED	6 FT

DUCT	PLENUM	EQUIP.	SUPPLY
3 FT	1 FT	3 FT	8 FT
MAX: 8 FT	MAX: 4 FT	MAX: 12 FT	MAX: 40 FT

CYLINDER/PIPING LIMITATIONS

CYLINDER	FLOW POINTS	TOTAL LENGTH OF ALL BRANCH LINES	LENGTH BETWEEN FIRST TO LAST BRANCH
1.5 GALLON	5	22 FT	8 FT
3.0 GALLON	11	36 FT	24 FT

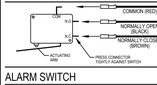
** CALCULATIONS BASED ON 3/8" PIPE (SEE PG. 4-67)

LEGEND

- STREIVOR FACTORY PIPING
- FIELD PIPING
- DETECTOR BRACKET (FRONT VIEW)
- DETECTOR BRACKET (PLAN VIEW)
- NOZZLE COVERAGE
- DUCT NOZZLE MAX PERIMETER (2W 100)
- PLENUM NOZZLE MAX PLENUM LENGTH (1N 120)
- APPLIANCE NOZZLE AND HEIGHT (1N 40 30)
- DOWNWARD FACING NOZZLE (1X)
- ANGLED NOZZLE AND TARGET LOCATION (1X 45°)

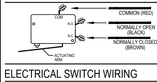
MECHANICAL AUTOMAN (PART #79493) & ELECTRICAL WIRING

ELECTRICAL SWITCH (PART # 551154)



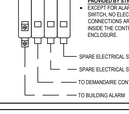
- QUANTITY: 3
- SWITCH IS RATED AT 250 VAC, 21A RESISTIVE, 250 VAC, 2 HP, 125 VAC, 1 HP

ALARM SWITCH (PART # 550077)

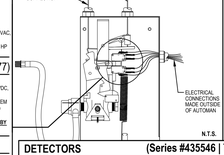


- QUANTITY: 1
- SWITCH IS RATED AT 28 VDC, 50 mA
- FIRE SUPPRESSION SYSTEM TO BE FIELD WIRED INTO BUILDING FIRE ALARM SYSTEM **(NOT PROVIDED BY STREIVOR)**

ELECTRICAL SWITCH WIRING

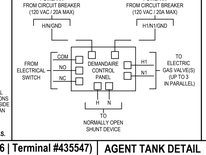


- REFER TO NFPA 96 CODES 8.3.2 & 8.4.1 FOR MORE INFORMATION
- SHUNT STATE - TO BE NORMALLY OPEN **(NOT PROVIDED BY STREIVOR)**
- EXCESS FLOW ALARM INITIATING SWITCH. NO ELECTRICAL CONNECTIONS ARE TO BE MADE INSIDE THE CONTROL HEAD ENCLOSURE.



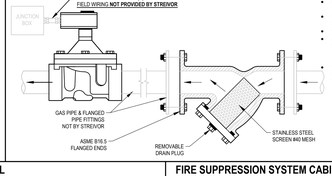
DEMANDAIRE RESET RELAY

- REFER TO DEMANDAIRE DRAWINGS FOR MORE INFORMATION AND LOCATION



ELECTRIC GAS SHUT-OFF VALVE & FLANGED Y-STRAINER

(SEE MEP DRAWINGS FOR LOCATION)

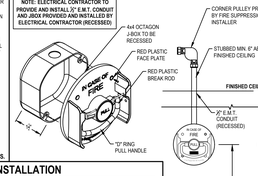


- GAS SHUT-OFF VALVE(S) TO BE SIZED AND LOCATED PER MEP DRAWINGS **(MAXIMUM VALVE SIZE: 3" NPT)**
- VALVE(S) AND STRAINERS TO BE INSTALLED BY DIVISION 22 (PLUMBING)
- VALVE REQUIRES SEPARATE 120VAC/1, 16A CIRCUIT
- ACTIVATION OF THE FIRE EXTINGUISHING SYSTEM WILL SHUT OFF THE VALVE PREVENTING GAS FLOW AND WILL REMAIN CLOSED UNTIL THE RESET RELAY IS MANUALLY PRESSED
- Y-STRAINER REQUIRED FOR THE PROTECTION OF THE GAS VALVE. INSTALL A Y-STRAINER ON THE INLET SIDE OF THE GAS VALVE (AS CLOSE AS POSSIBLE).

Y-STRAINER NOT PROVIDED BY STREIVOR UNLESS SPECIFICALLY INCLUDED IN PURCHASE ORDER.

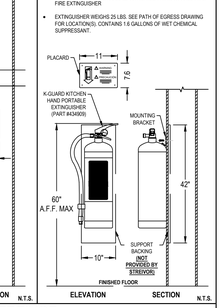
PULL STATION (PART #434618) AND INSTALLATION (RECESSED)

NOTE: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 2" E.M.T. CONDUIT AND J-BOX PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR (RECESSED)

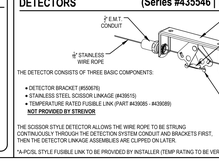


EXTINGUISHER INSTALLATION

- NFPA 96 10.2.2 - A PLACECARD SHALL BE CONSPICUOUSLY PLACED NEAR EACH K CLASS EXTINGUISHER THAT STATES THE FIRE PROTECTION SYSTEM SHALL BE ACTIVATED PRIOR TO USING THE FIRE EXTINGUISHER
- EXTINGUISHER WEIGHS 25 LBS. SEE PATH OF EGRESS DRAWING FOR LOCATION(S). CONTAINS 1.6 GALLONS OF WET CHEMICAL SUPPRESSANT.



DETECTORS (Series #435546 | Terminal #435547)



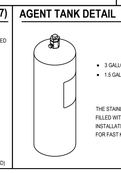
THE DETECTOR CONSISTS OF THREE BASIC COMPONENTS:

- DETECTOR BRACKET (#550878)
- STAINLESS STEEL SCISSOR LINKAGE (#439515)
- TEMPERATURE RATED FUSIBLE LINK (PART #439085 - #439089) **NOT PROVIDED BY STREIVOR**

THE SCISSOR STYLE DETECTOR ALLOWS THE WIRE ROPE TO BE STRUNG CONTINUOUSLY THROUGH THE DETECTION SYSTEM CONDUIT AND BRACKETS FIRST, THEN THE DETECTOR LINKAGE ASSEMBLIES ARE CLIPPED ON LATER.

*A PC/SI, STYLE FUSIBLE LINK TO BE PROVIDED BY INSTALLER (TEMP RATING TO BE VERIFIED AND DETERMINED IN FIELD)

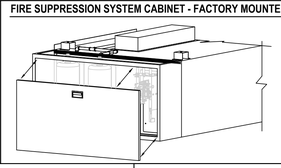
AGENT TANK DETAIL



- 3 GALLON SHIPPING WEIGHT 7 LB (3.2KG) - PART #429982
- 1.5 GALLON SHIPPING WEIGHT 5 LB (2.3KG) - PART #429984

THE STAINLESS STEEL TANK IS SHIPPED UNCHARGED AND MUST BE FILLED WITH ONLY ANSULEX LOW PH LIQUID FIRE SUPPRESSANT DURING INSTALLATION. ANSULEX IS A POTASSIUM-BASED SOLUTION DESIGNED FOR FAST KNOCK-DOWN AND SUPPRESSION OF GREASE-RELATED FIRES.

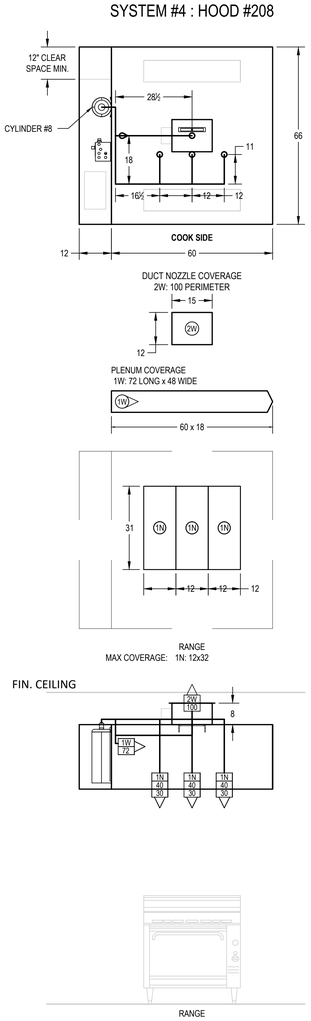
FIRE SUPPRESSION SYSTEM CABINET - FACTORY MOUNTED INSTALLATION



- 36" MINIMUM CLEARANCE REQUIRED IN FRONT OF THE REMOVABLE CABINET DOOR.
- SUPPORT BACKING REQUIRED IF CABINET MOUNTS TO WALL
- MAXIMUM CABINET HANGING HEIGHT 144" A.F.F.
- WHERE APPLICABLE, A.D.A. REQUIRES MINIMUM HANGING HEIGHT 90" A.F.F.
- CABINET AND FIRE SUPPRESSION SYSTEM COMPONENTS APPROXIMATELY 100 LBS/FT. SEE PATH OF EGRESS DRAWING FOR CABINET DIMENSIONS)

IMAGE MAY NOT REPRESENT EXACT HOOD OPTIONS. SEE HOOD DRAWINGS FOR FULL DETAILS

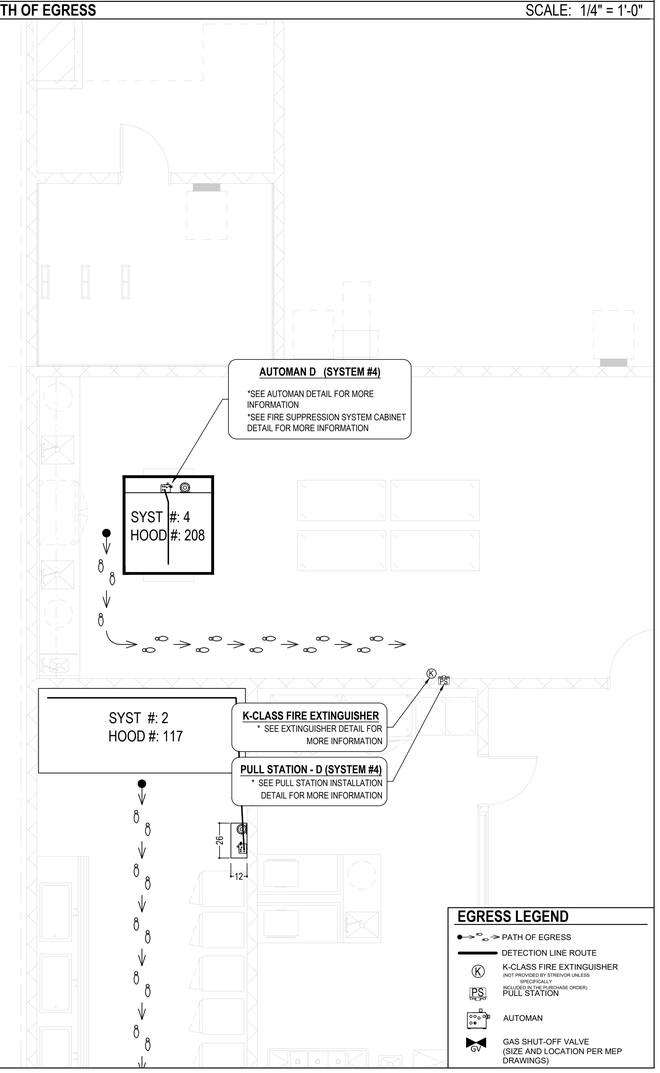
SYSTEM #4 : HOOD #208



NOTE: FIELD PIPING TO BE INSTALLED BY A STREIVOR APPOINTED CERTIFIED & LICENSED FIRE SUPPRESSION INSTALLER

PATH OF EGRESS

SCALE: 1/4" = 1'-0"



EGRESS LEGEND

- PATH OF EGRESS
- DETECTION LINE ROUTE
- K-CLASS FIRE EXTINGUISHER (NOT PROVIDED BY STREIVOR UNLESS SPECIFICALLY INCLUDED IN THE PURCHASE ORDER)
- PS PULL STATION
- AUTOMAN
- GV GAS SHUT-OFF VALVE (SIZE AND LOCATION PER MEP DRAWINGS)

CUSTOMER APPROVAL

COOKING EQUIPMENT VERIFICATION

VERIFY THE FOLLOWING:

HIGH BACK SHELVES	YES ☐	NO ☐
RANGE COOKING SURFACE DEPTH GREATER THAN 28"	YES ☐	NO ☐
PULL STATION LOCATION(S)	YES ☐	NO ☐
UTILITY CABINET LOCATION(S)	YES ☐	NO ☐
AGENT DISTRIBUTION HOSE AND RESTRAINING CABLE KIT	YES ☐	NO ☐
CEILING HEIGHT	___'-___"	

APPROVED BY DATE

NOTE TO REVIEWER:

ANY CHANGES IN COOKING EQUIPMENT SUCH AS EQUIPMENT POSITION, TYPE AND/OR INCREASE IN ENERGY OUTPUT MAY EFFECT EXHAUST AIRFLOW. STREIVOR AIR SYSTEMS MUST BE NOTIFIED OF ANY CHANGES THAT OCCUR PRIOR TO FABRICATION, A RE-ENGINEERING OF THE EXHAUST AIRFLOW MAY BE REQUIRED. ADDITIONAL SITE VISIT FOR FIRE SUPPRESSION PRE-TEST IS NOT INCLUDED UNLESS SPECIFICALLY LISTED IN QUOTE.

GENERAL NOTES:

NOTES TO ARCHITECT AND/OR CONTRACTOR: STREIVOR, INC (STREIVOR AIR SYSTEMS, STREIVOR STAINLESS) IS A SPECIALIST IN THE LAYOUT AND DESIGN OF KITCHEN VENTILATION SYSTEMS, AND IN NO WAY PURPORTS TO BE ARCHITECTS OR ENGINEERS.

THIS PLAN IS SUBMITTED FOR THE CONVENIENCE OF THE ARCHITECT AND/OR CONTRACTOR AND IS DONE FROM AVAILABLE ARCHITECTURAL INFORMATION. ALL MEASUREMENTS ARE SUBJECT TO PHYSICAL VERIFICATION AND ANY DEVIATIONS OR DISCREPANCIES SHALL BE DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN WRITING.

STREIVOR, INC. ACCEPTS NO RESPONSIBILITY FOR WORK DONE BY SAID ARCHITECT OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVES OR SUBCONTRACTORS, AND WILL NOT STAND ANY EXPENSE FOR CHANGES MADE NECESSARY DUE TO LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY ANY SUBSTITUTIONS OR CHANGES IN EQUIPMENT SHOWN ON THIS PLAN.

ANY ERRORS, AMBIGUITIES OR OMISSIONS IN THIS PLAN OR SPECIFICATIONS SHALL BE REPORTED TO STREIVOR, INC. FOR CORRECTIONS BEFORE ANY OF THE WORK IS STARTED. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN FAVOR OF THE OWNER OR CONTRACTOR. BY VIRTUE OF ERROR, AMBIGUITY OR OMISSION WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATES, AND DIRECTED TO THE ATTENTION OF STREIVOR, INC. IN A TIMELY MANNER.

STREIVOR™ AIR SYSTEMS
"STRIVING FOR EXCELLENCE"
2150 KITTY HAWK ROAD, LIVERMORE, CA 94551
PHONE: (925) 960-9090 FAX:(925) 960-9055
WWW.STREIVOR.COM

STREIVOR RESOURCE CENTER
- INSTALL/OPERATION MANUAL
- CERTIFICATIONS
- REFERENCES AND MEDIA

PROJECT:
NORTHERN NEVADA CORRECTIONAL CENTER

1721 SNYDER AVE.
CARSON CITY, NV 89701

THE MARSHALL ASSOCIATES

ITEM #:	209
SYSTEM #:	4
HOOD #:	208
DATE:	09/08/2026
DRAWN BY:	SWB
CHECKED BY:	KCS
CONSULTANT:	THE MARSHALL ASSOCIATES
SCALE: (UNLESS OTHERWISE NOTED)	1/2" = 1' - 0"

IF BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT PLOTTED TO SCALE

	DESCRIPTION	DATE	INT
1	---	--/--/--	---
2	---	--/--/--	---
3	---	--/--/--	---
4	---	--/--/--	---
5	---	--/--/--	---
6	---	--/--/--	---

DRAWING:
F-05
SHEET 05 OF 05

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construction and materials shall comply with 2024 international building code (ibc) and/or local code requirements.
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Foodservice & Laundry Consultants/Designers
3000 Danville Blvd Suite F-344 Alamo, CA 94507
2129 4th Street Santa Rosa, CA 95404
415/677-1200 Fax 415/677-1210

Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

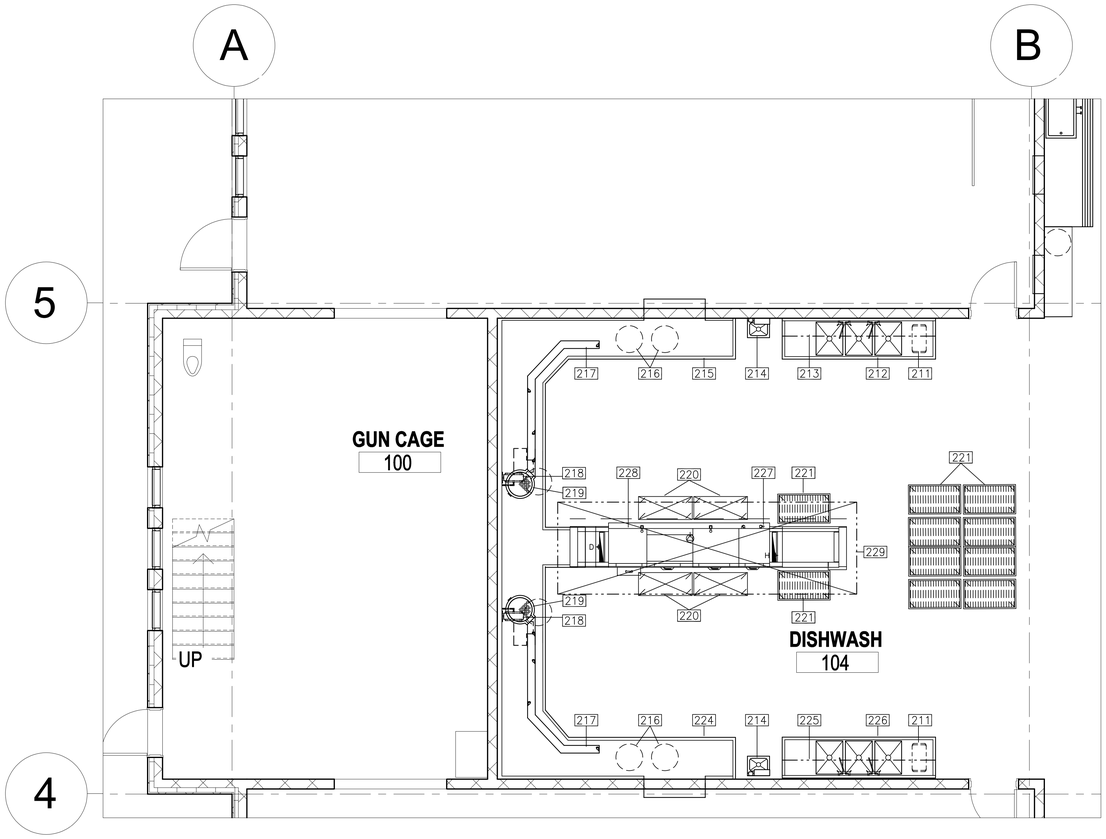
drawing title
FOODSERVICE MANUFACTURER DRAWINGS -FIRE SUPPRESSION ITEM 209

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.44

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EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES
211	LOT	TRASH CONTAINER	RUBBERMAID	FG3540600GRAY	
212	1	POT SINK	CUSTOM FABRICATED	SEE ELEVATIONS	
213	1	WALL SHELF / UTENSIL RACK	CUSTOM FABRICATED	SEE ELEVATION DETAILS	
214	2	HAND SINK/SIDE SPLASH/S&T	EAGLE GROUP	HSAP-14-ADA-FE-B	
215	1	SOILED DISHTABLE	CUSTOM FABRICATED	SEE ELEVATIONS	CFCI
216	LOT	TRASH CONTAINER	RUBBERMAID	FG263256GRAY	
217		NOT USED			
218	2	HOSE REEL/VACUUM BREAKER	T & S	B-1433	CFCI
219	2	FOOD WASTE COLLECTOR	INSINKERATOR	PRT	CFCI
220	LOT	MOBILE SHELVING	EAGLE GROUP	EAGLEGARD 63-FOUR TIER MOBILE	
221	12	MOBILE TRAY RACK	NEW AGE	96087	
222		NOT USED			
223		NOT USED			
224	1	SOILED DISHTABLE	CUSTOM FABRICATED	SEE ELEVATIONS	CFCI
225	1	WALL SHELF / UTENSIL RACK	CUSTOM FABRICATED	SEE ELEVATION DETAILS	
226	1	POT SINK	CUSTOM FABRICATED	SEE ELEVATIONS	
227	1	FLIGHT TYPE DISHMACHINE	CHAMPION	EUCC6	
228	1	BOOSTER HEATER	CHAMPION	PART OF ITEM 227	
229	1	VAPOR HOOD (TYPE-II)	STREIVOR	DMH	
230	1	VAPOR HOOD (TYPE-II)	STREIVOR	DMH	

ABBREVIATIONS:

FSEC	FOODSERVICE EQUIPMENT CONTRACTOR
S/S	STAINLESS STEEL
U/C	UNDER COUNTER
S&T	SOAP AND TOWEL
NIC	NOT IN CONTRACT

SCHEDULE / DRAWING NOTES:

SHEET NOTES

FOODSERVICE HEALTH DEPARTMENT REQUIREMENTS:

A. ALL EQUIPMENT, MANUFACTURED OR CUSTOM FABRICATED, TO HAVE NSF, ETL SANITATION OR UL SANITATION APPROVALS.

B. INSTALLATION TO MEET STATE OF NEVADA, DEPARTMENT OF HEALTH, SANITATION BRANCH, LATEST CODE EDITION.

C. ALL EXPOSED PLUMBING AND GAS LINES MUST BE MOUNTED OR ENCLOSED SO AS TO FACILITATE CLEANING. AN EFFORT SHOULD BE MADE TO ENCLOSE ALL PLUMBING LINES WITHIN WALLS UNLESS OTHERWISE APPROVED.

D. ALL EQUIPMENT WHICH GENERATES CONDENSATE AND LIQUID WASTES FROM STEAM TABLES, ICE MACHINES AND BINS, UTENSIL WASH SINKS, FOOD PREPARATION SINKS, DISPLAY CASES, ETC. SHALL BE DRAINED BY MEANS OF INDIRECT WASTE PIPES INTO FLOOR SINK OR OTHER APPROVED INDIRECT WASTE RECEPTOR. FLOOR DRAINS ARE NOT TO BE USED IN LIEU OF FLOOR SINKS. ALL WASTE LINES MUST BE HARD PIPED FROM POINT OF CONNECTIONS.

E. ALL FLOOR SINKS SHALL BE AT LEAST HALF EXPOSED OR OTHERWISE READILY ACCESSIBLE FOR INSPECTION AND CLEANING. FLOOR SINK SHOULD NOT POSE A TRIPPING HAZARD (MOUNT ALL FLOOR SINKS FLUSH WITH FLOOR)

F. ALL EXPOSED ELECTRICAL LINES SHALL BE ENCLOSED WITHIN SMOOTH, RIGID CONDUIT AND BE MOUNTED OR ENCLOSED SO AS TO FACILITATE CLEANING. FLEX CONDUIT IS ONLY PERMITTED IF ENCLOSED WITHIN WALLS.

G. SUFFICIENT NATURAL OR ARTIFICIAL LIGHTING REQUIRED: FIFTY (50) FOOT-CANDLES IN FOOD PREPARATION, UTENSIL WASH, STORAGE, RESTROOMS.

H. SHATTER PROOF SHIELDS ON LIGHTS REQUIRED ABOVE FOOD PREPARATION, OPEN FOOD STORAGE, UTENSIL-CLEANING AREAS AND HOODS.

I. AN APPROVED FLOORING MATERIAL, FOUR INCH (MINIMUM) HIGH CONTINUOUSLY COVED BASE. (3/8" MIN. COVE AT WALL/FLOOR/EQUIPMENT JUNCTURE).

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Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE

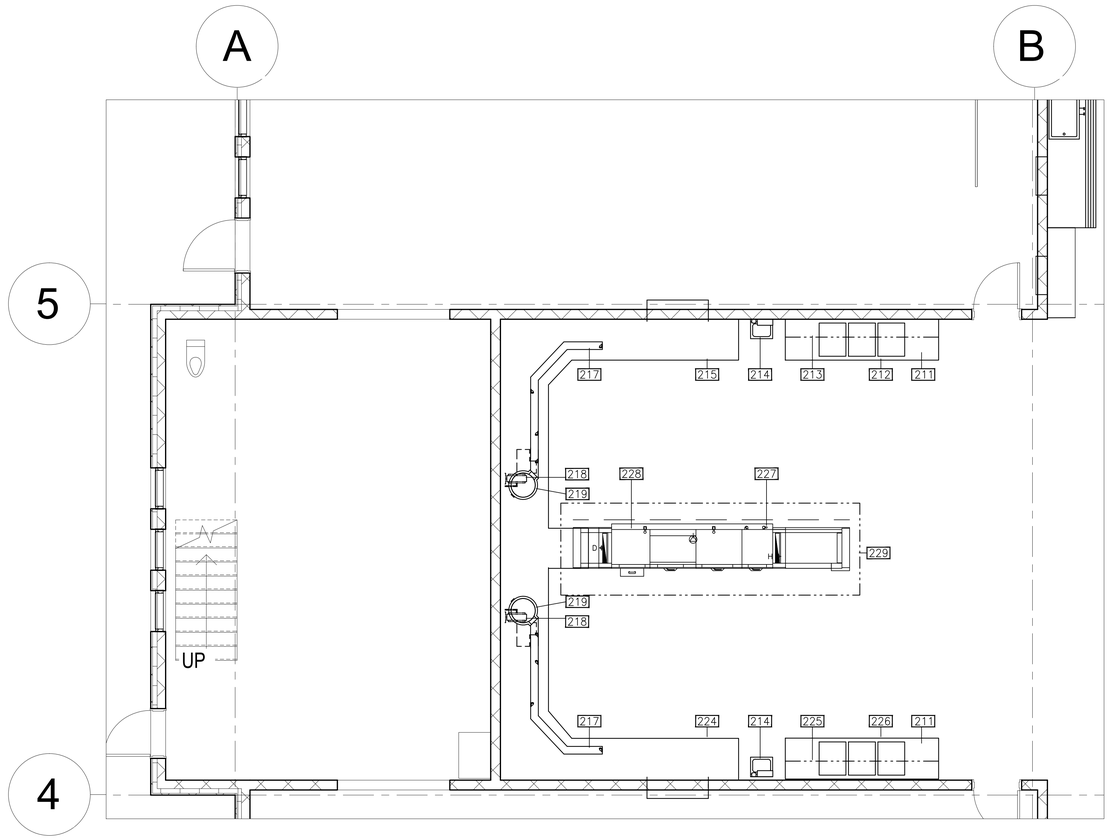
job number
25015

date
OCTOBER 27, 2026

drawing number
FS.50

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01 Foodservice Equipment Plan
SCALE: 1/4" = 1'-0"



SHEET NOTES

NOTES:

GENERAL CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. WALLS, FLOORS AND CEILINGS IN FOODSERVICE AND WASHING AREAS OR ANY OTHER LOCATION WHERE FOOD OR BEVERAGES ARE PREPARED, SHALL BE SMOOTH, EASILY CLEANABLE, NON-ABSORBENT AND DURABLE. WALLS AND CEILINGS SHALL BE "LIGHT-IN COLOR".

C. OPENINGS/ACCESS FOR ALL FOODSERVICE EQUIPMENT.

D. WALL BACKING FOR WALL MOUNTED FOODSERVICE EQUIPMENT, SEE DETAIL, THIS SHEET.

E. WALLS WITH SOUND CONTROL BETWEEN DISHROOMS AND PUBLIC AREAS.

F. FLOOR DEPRESSIONS FOR COLD STORAGE ROOMS.

G. BLOCK OUTS IN FLOOR FOR FLUSH MOUNT FLOOR TROUGHS.

H. CONDUIT FOR BEVERAGE LINES.

I. CONDUIT FOR REFRIGERATION LINES.

J. COVED FINISHED FLOOR MATERIALS AT ALL VERTICAL SURFACES. (3/8" MINIMUM)

K. SLEEVES/ACCESS FOR REFRIGERATION PIPING.

L. ROOF CURB WITH GALVANIZED SHEET METAL CAP FOR REMOTE REFRIGERATION SYSTEM.

M. FIRE RATED MATERIALS AND OR INSULATION AS REQUIRED FOR EXHAUST DUCTS, VENT STACKS, HEAT PRODUCING EQUIPMENT, ROOF/WALL PENETRATIONS PER LOCAL CODES.

N. FILL EXCESS FLOOR DEPRESSIONS AROUND RECESSED COLD STORAGE ROOM COMPARTMENTS WITH GROUT, FINISH FLOOR MATERIAL AND COVED BASE AFTER INSTALLATION.

O. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

MECHANICAL CONTRACTOR TO PROVIDE:

H. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

I. EXHAUST SYSTEMS AND CONTROLS.

J. VFD'S AT FAN PACKAGE IF DCKV CONTROLS ARE PART OF FOODSERVICE EQUIPMENT SCOPE.

K. FINAL DUCT CONNECTIONS TO EXHAUST HOODS.

L. MAKE-UP AIR DIFFUSERS: DO NOT PLACE ANY DIFFUSERS WITHIN 10'-0" OF EXHAUST HOODS AND DO NOT HAVE ANY MAKE-UP AIR DIRECTED TOWARD EXHAUST HOODS.

VENTILATION / BUILDING CONDITIONS / AIR

ITEM	QTY	DESCRIPTION	VENTILATION EXHAUST			VENTILATION SUPPLY			WALL BACKING		COMPRESSED AIR		
			SIZE	CFM	WGSP	SIZE	CFM	WGSP	HT	OC	SUP	CFM	HT
211	LOT	TRASH CONTAINER											
212	1	POT SINK							6"	46"			
213	1	WALL SHELF / UTENSIL RACK							12"	69"			
214	2	HAND SINK/SIDE SPLASH/S&T							12"	38"			
215	1	SOILED DISHTABLE							6"	46"			
216	LOT	TRASH CONTAINER											
217		NOT USED											
218	2	HOSE REEL/VACUUM BREAKER							12"	90"			
219	2	FOOD WASTE COLLECTOR											
220	LOT	MOBILE SHELVING											
221	12	MOBILE TRAY RACK											
222		NOT USED											
223		NOT USED											
224	1	SOILED DISHTABLE							6"	46"			
225	1	WALL SHELF / UTENSIL RACK							12"	69"			
226	1	POT SINK							6"	46"			
227	1	FLIGHT TYPE DISHMACHINE											
228	1	BOOSTER HEATER											
229	1	VAPOR HOOD (TYPE-II)	12"x10"	1200	0.50"								
230	1	VAPOR HOOD (TYPE-II)	12"x10"	1200	0.50"								

ABBREVIATIONS:

CFM	CUBIC FEET/MINUTE	STUB	UTILITY UP FROM FLOOR
WGSP	WATER GUAGE STATIC PRESSURE	SUP	SUPPLY
HT	HEIGHT		
OC	ON CENTER		
FA	FROM ABOVE		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING

01 Foodservice Building Conditions / Ventilation Plan

SCALE: 3/32" = 1'-0"

6/18/2026 12:55:04 PM

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Revision Schedule

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STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

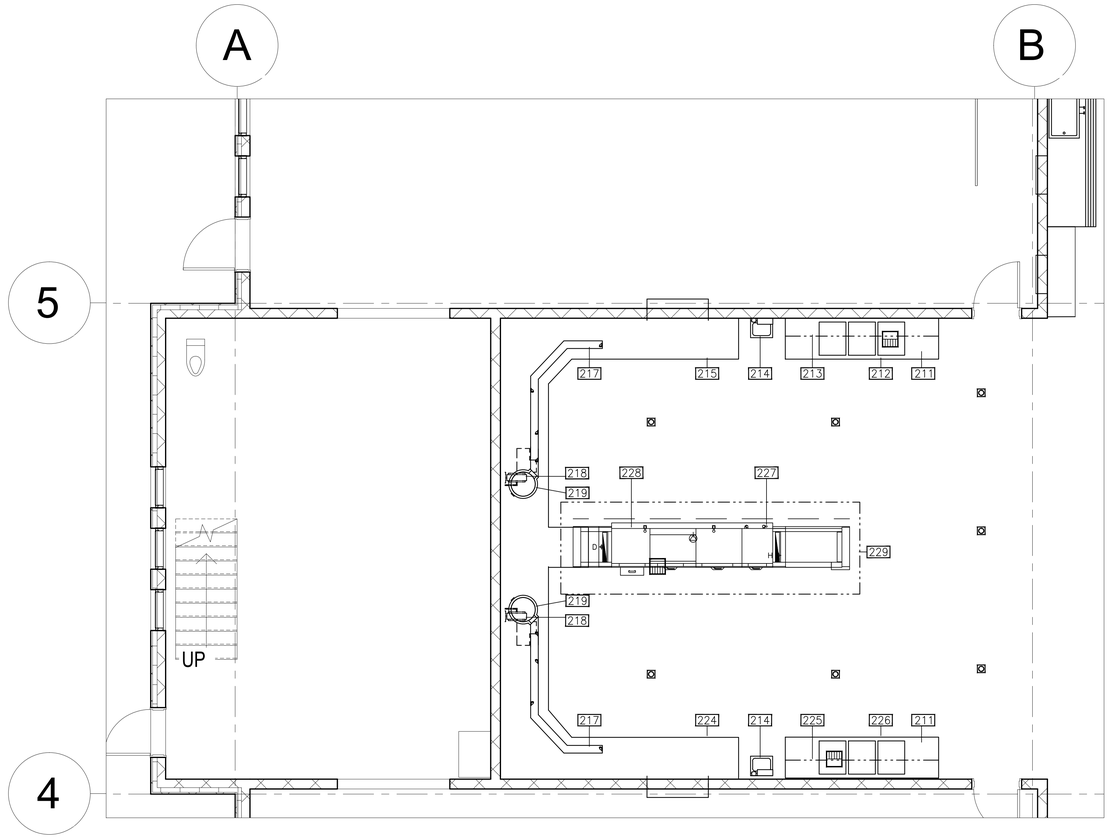
DESIGN DEVELOPMENT

drawing title
FOODSERVICE
BUILDING CONDITIONS AND
VENTILATION PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
FS.51



PLUMBING ROUGH-IN

ITEM	QTY	DESCRIPTION	WATER				WASTE			GAS			CHILLED WATER				STEAM			
			CW	HW	HT	GPH	IND	DIR	HT	SUP	MBH	HT	SUP	RET	HT	GPM	SUP	RET	HT	LB/HR
211	LOT	TRASH CONTAINER																		
212	1	POT SINK	1/2"	1/2"	24"	45		2"	12"											
213	1	WALL SHELF / UTENSIL RACK																		
214	2	HAND SINK/SIDE SPLASH/S&T	1/2"	1/2"	18"	5		1-1/2"	21"											
215	1	SOILED DISHTABLE																		
216	LOT	TRASH CONTAINER																		
217		NOT USED																		
218	2	HOSE REEL/VACUUM BREAKER	3/4"	3/4"	18"	10														
219	2	FOOD WASTE COLLECTOR	3/4"	3/4"	18"	30		1"	12"											
220	LOT	MOBILE SHELVING																		
221	12	MOBILE TRAY RACK																		
222		NOT USED																		
223		NOT USED																		
224	1	SOILED DISHTABLE																		
225	1	WALL SHELF / UTENSIL RACK																		
226	1	POT SINK	1/2"	1/2"	24"	45		2"	12"											
227	1	FLIGHT TYPE DISHMACHINE	1"		FA		3"													
228	1	BOOSTER HEATER		1"	FA	120														
229	1	VAPOR HOOD (TYPE-II)																		
230	1	VAPOR HOOD (TYPE-II)																		

ABBREVIATIONS:

CW	COLD WATER	MBH	BRITISH THRMAL UNIT x 1000	HT	HEIGHT
HW	HOT WATER	SUP	SUPPLY	SD	STUB DOWN FROM UTILITY WALL
GPH	GALLONS PER HOUR (HOT WATER)	RET	RETURN	FA	FROM ABOVE
IND	INDIRECT WASTE (AIR GAP)	GPM	GALLONS PER MINUTE	STUB	UTILITY UP FROM FLOOR
DIR	DIRECT WASTE	BHP	BOILER HORSE POWER		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING

REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN INFORMATION

SHEET NOTES

NOTES:

PLUMBING CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. ROUGH-IN AND FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT AS INDICATED ON DRAWINGS AND IN PLUMBING ROUGH-IN SCHEDULE, INCLUDING ALL MATERIALS SUCH AS STOPS, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING AND SHUT OFF'S AS REQUIRED.

C. MINIMUM 120 DEGREE HOT WATER WITH THE EXCEPTION OF HAND WASH SINKS.

D. PRESSURE REDUCING VALVE TO 20 PSI FOR DISHWASHERS/ BOOSTER HEATERS.

E. ALL WASTE LINES AS NOTED.

F. MINIMUM DIAMETER OF LINE AS INDICATED ON SCHEDULE REGARDLESS OF CONNECTION SIZE.

G. ALL DRAINS SLOPED DOWNWARD WITH ADEQUATE CLEAN-OUT PROVISIONS.

H. MAINTAIN DRAINS AS HIGH AS POSSIBLE ABOVE FLOOR.

I. ALL EXPOSED DRAIN LINES TO BE FINISHED IN STAINLESS STEEL PAINT (SEYMOUR 16-054).

J. INSULATION ON ALL HOT WATER AND CONDENSATE LINES.

K. FLOOR SINKS/FLOOR DRAINS. (SET FLUSH WITH FINISHED FLOOR).

L. ALL VENT PIPES ARE TO BE CONCEALED IN WALLS, COLUMNS OR CHASES, USE LOOP-VENTS FOR ISLAND FIXTURES.

M. MOP SINK, HOSE BIBB WITH VACUUM BREAKER AND MOP RACK.

N. INTERCONNECTION BETWEEN BOOSTER HEATER AND DISHMACHINE.

O. INTERCONNECTION BETWEEN SCRAP COLLECTOR AND SOILED DISHTABLE TROUGH.

P. INTERCONNECTION BETWEEN WASTE COLLECTOR, VACUUM BREAKER, AND PROVIDED SOLENOIDS.

Q. INTERCONNECTION BETWEEN ROUGH-IN, HOSE REEL AND VACUUM BREAKER.

R. INTERCONNECTION BETWEEN VENTILATOR AND CONTROL PANEL.

S. HEAT TAPE FOR FREEZER COMPARTMENT INDIRECT WASTE LINE.

T. GREASE TRAPS/INTERCEPTORS (LOCATED OUTSIDE OF KITCHEN AREA) AS SPECIFIED UNDER PLUMBING SECTION.

U. INSTALLATION OF FIRE PROTECTION SYSTEM GAS SHUT-OFF VALVE AND Y-STRAINER, 3" MAXIMUM DIA. (PROVIDED BY HOOD MANUFACTURER/FOODSERVICE EQUIPMENT CONTRACTOR).

V. PROVISIONS FOR DRAIN PIPING SERVING FLOOR TROUGHS/FLOOR SINKS AT COOKING EQUIPMENT (TILT KETTLES/SKILLETS) TO WITHSTAND DRAIN TEMPERATURES IN EXCESS OF 180 DEGREES.

W. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

FLOOR DRAIN
2" WASTE WITH TRAP PRIMER

FLOOR SINK
WASTE CONNECTION SHOWN ON PLAN

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#	Date	Description

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STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE
PLUMBING ROUGH IN PLAN

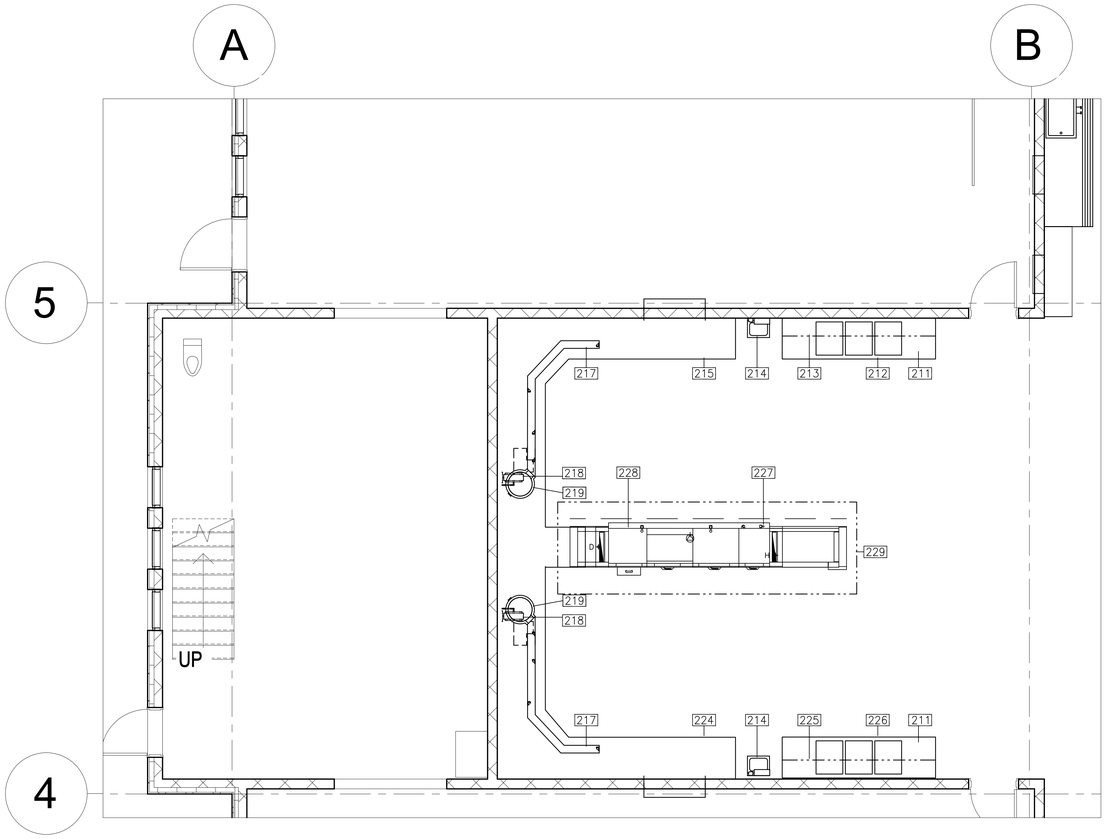
job number
25015

date
OCTOBER 27, 2026

drawing number
FS.52

6/18/2026 12:55:04 PM

01 Foodservice Plumbing Rough In Plan
SCALE: 1/4" = 1'-0"



ELECTRICAL ROUGH-IN

ITEM	QTY	DESCRIPTION	CONNECTED LOAD							CONNECTION TYPE		
			120/1	120/208/1	120/208/3	208/1	208/3	480/3	HT	C&P	RECP	HW
211	LOT	TRASH CONTAINER										
212	1	POT SINK										
213	1	WALL SHELF / UTENSIL RACK										
214	2	HAND SINK/SIDE SPLASH/S&T										
215	1	SOILED DISHTABLE										
216	LOT	TRASH CONTAINER										
217		NOT USED										
218	2	HOSE REEL/VACUUM BREAKER										
219	2	FOOD WASTE COLLECTOR	8.2 AMP						24"			*
220	LOT	MOBILE SHELVING										
221	12	MOBILE TRAY RACK										
222		NOT USED										
223		NOT USED										
224	1	SOILED DISHTABLE										
225	1	WALL SHELF / UTENSIL RACK										
226	1	POT SINK										
227	1	FLIGHT TYPE DISHMACHINE						80 AMP	FA			*
228	1	BOOSTER HEATER						22 AMP	FA			*
229	1	VAPOR HOOD (TYPE-II)										
230	1	VAPOR HOOD (TYPE-II)										

ABBREVIATIONS:

C&P	CORD AND PLUG	STUB	UTILITY UP FROM FLOOR
RECP	RECEPTACLE		
HW	HARDWIRE		
HT	HEIGHT		
FA	FROM ABOVE		

SCHEDULE / DRAWING NOTES:

CONNECTED LOAD = EACH CONNECTION SHOWN ON DRAWING

CONNECTION TYPES PROVIDED BY ELECTRICAL DIVISION

SHEET NOTES

NOTES:

ELECTRICAL CONTRACTOR TO PROVIDE:

A. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER FOODSERVICE EQUIPMENT SECTION.

B. ROUGH-IN AND FINAL CONNECTION TO ALL FOODSERVICE EQUIPMENT AS INDICATED ON DRAWINGS AND IN ELECTRICAL ROUGH-IN SCHEDULE.

C. ALL JUNCTION-BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES NOT BUILT INTO FIXTURES OR EQUIPMENT.

D. DISHROOMS TO HAVE VAPOR PROOF COMPONENTS.

E. SHUNT TRIP CIRCUIT BREAKERS FOR ALL FOODSERVICE EQUIPMENT BELOW EXHAUST HOODS.

F. BEVERAGE LINE CONDUITS (SEE BUILDING CONDITIONS PLAN).

F. REFRIGERATION LINE CONDUITS (SEE BUILDING CONDITIONS PLAN).
G.

H. SEE EQUIPMENT PLAN FOR ADDITIONAL HEALTH DEPARTMENT NOTES/REQUIREMENTS.

INTERCONNECTION BETWEEN:

A. ALL COLD STORAGE ROOM COMPONENTS AS INDICATED ON DRAWINGS.

B. DEMAND CONTROL KITCHEN VENTILATION PANEL (DCKV) AS INDICATED AND APPROVED SHOP DRAWINGS.

C. HOOD MOUNTED TEMPERATURE MONITOR AND EXHAUST SYSTEM CONTROLS FOR AUTOMATIC FAN START.

D. FOODSERVICE EQUIPMENT WITH SWITCH ACTIVATION.

E. FIRE PROTECTION SYSTEM AND BUILDING LIFE SAFETY.

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Revision Schedule

#	Date	Description

NNCC CULINARY AND LAUNDRY BLDG.
STATE OF NEVADA
1721 SNYDER AVE.
CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
FOODSERVICE ELECTRICAL ROUGH IN PLAN

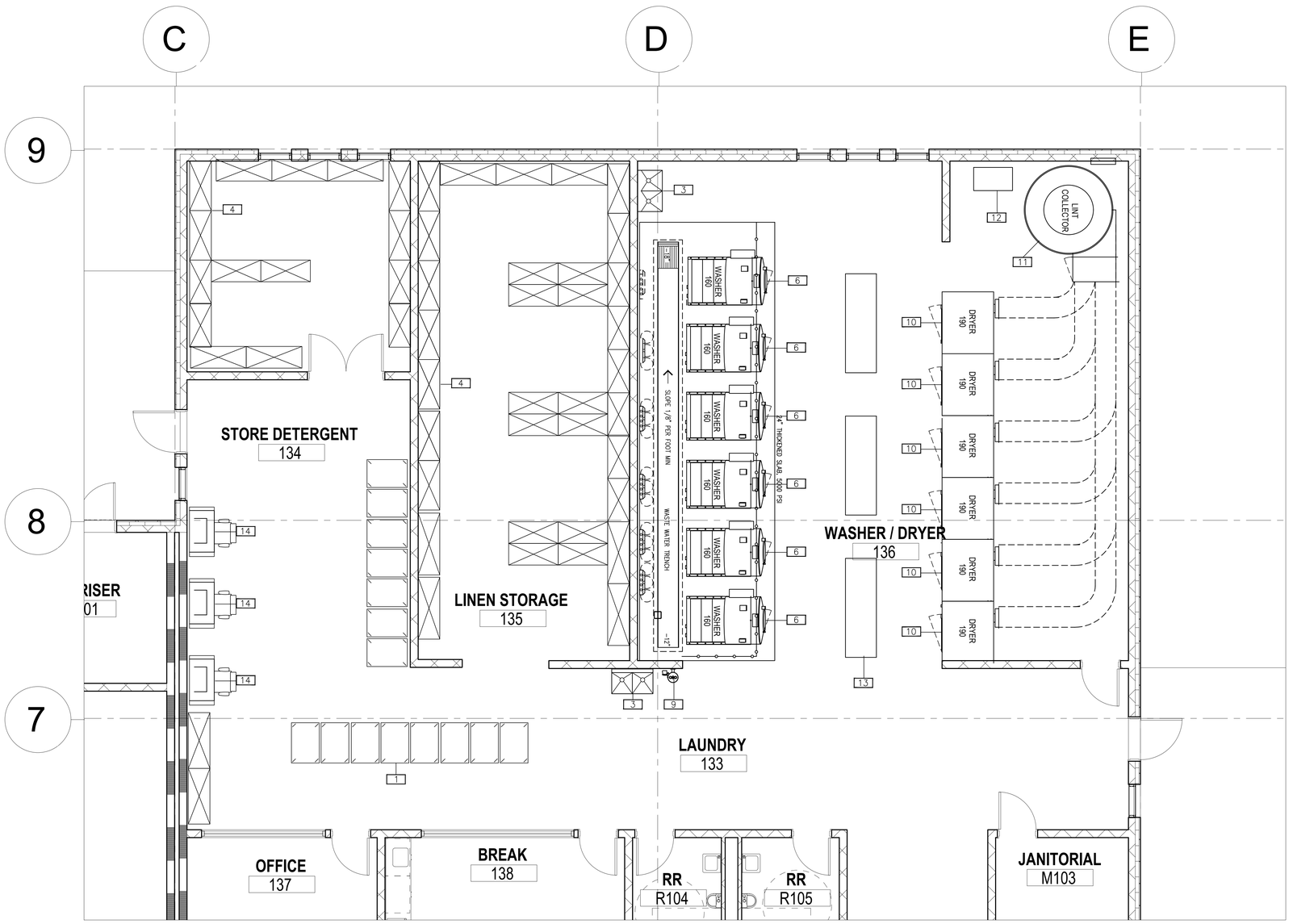
job number
25015

date
OCTOBER 27, 2026

drawing number
FS.53

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01 Foodservice Electrical Rough In Plan
SCALE: 1/4" = 1'-0"



LAUNDRY NOTES:

GENERAL CONTRACTOR TO PROVIDE:

1. WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER SECTION 111000 LAUNDRY EQUIPMENT.
2. OPENINGS/ACCESS FOR ALL LAUNDRY EQUIPMENT.

LAUNDRY EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL NUMBER
1	LOT	LAUNDRY CART	PROVIDED BY OWNER	NOT IN LEC CONTRACT
2		NOT USED		
3	2	SOAK SINK (TWO COMPARTMENT)	E.L. MUSTEE	27F
4	LOT	STORAGE SHELVING	NEXEL	
5	5	DETERGENT PUMP	PROVIDED BY VENDOR	NOT IN LEC CONTRACT
6	6	160 LB. WASHER/EXTRACTOR	MILNOR	42030 V6J
7		NOT USED		
8		NOT USED		
9	1	EYE WASH	T & S	EW-7360B
6	6	190 LB. DRYER	MILNOR	M190
11	1	LINT COLLECTOR	CLEAN CYCLE SYSTEMS	DLF-530
12	1	AIR COMPRESSOR	INGERSOL RAND	IRN15H-130
13	6	MOBILE FOLDING TABLE	EAGLE GROUP	ADJUSTABLE SERIES
14	3	SEWING MACHINE/STAND	CHANDLER	CM736RH-R
15		NOT USED		
16		NOT USED		
17		NOT USED		
18		NOT USED		
19		NOT USED		
20		NOT USED		

ABBREVIATIONS:

LEC	LAUNDRY EQUIPMENT CONTRACTOR
NIC	NOT IN CONTRACT

SCHEDULE NOTES:

01 Laundry Equipment Plan
SCALE 1/4" = 1'-0"

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Revision Schedule

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NNCC CULINARY AND LAUNDRY BLDG.
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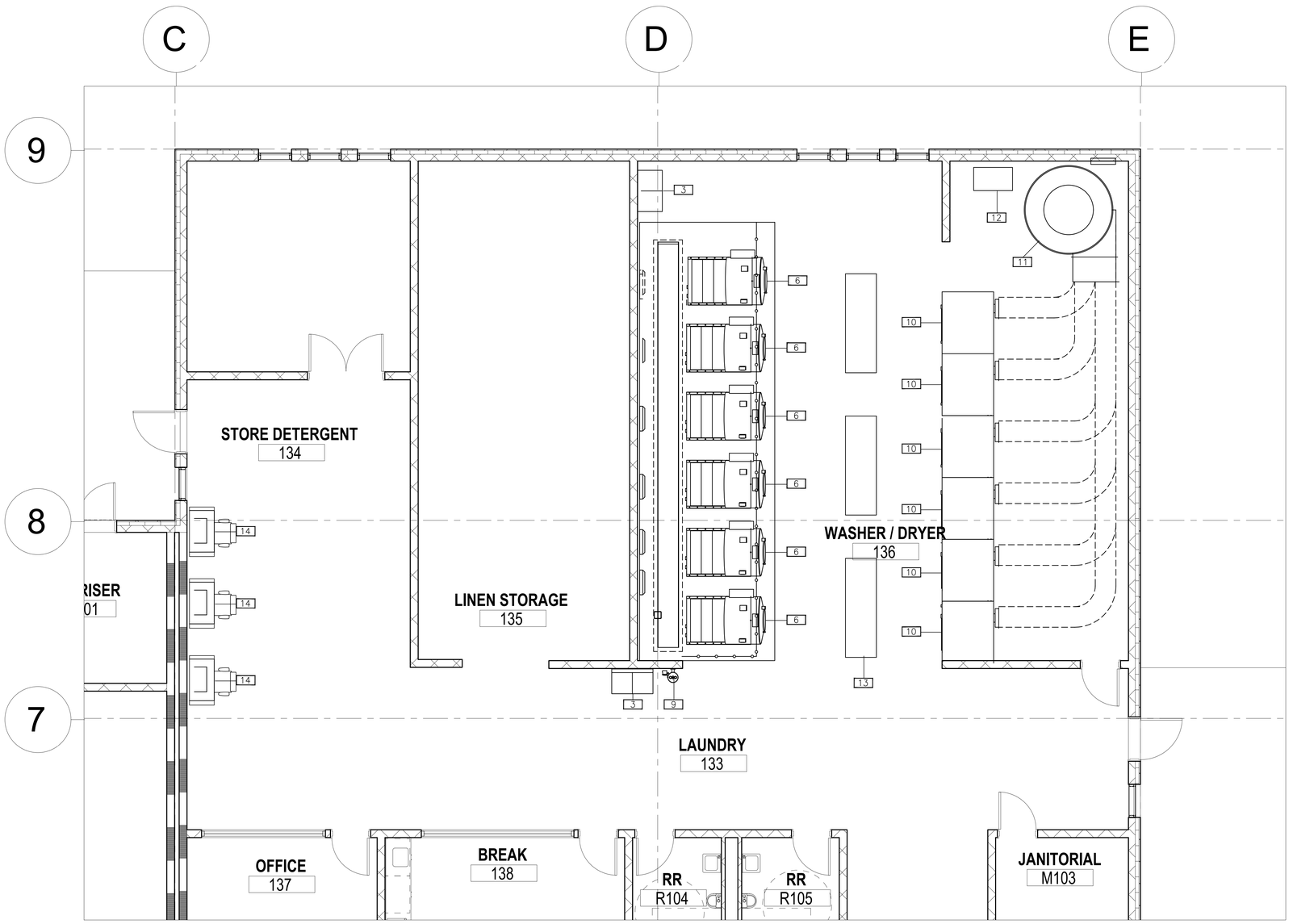
DESIGN DEVELOPMENT

drawing title
LAUNDRY
EQUIPMENT PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
LS.10



LAUNDRY NOTES:

GENERAL CONTRACTOR TO PROVIDE:

WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER SECTION 11100 LAUNDRY EQUIPMENT.
OPENINGS/ACCESS FOR ALL LAUNDRY EQUIPMENT.
FLOOR DEPRESSIONS AND THICKENED SLABS AS SHOWN
CONCRETE CURBS FOR LAUNDRY EQUIPMENT.
TRENCH DRAINS WITH COVERS AS SHOWN.

MECHANICAL DIVISION TO PROVIDE:

WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER SECTION 11100 LAUNDRY EQUIPMENT.
EXHAUST SYSTEMS AND CONTROLS.
FINAL DUCT CONNECTIONS.
ROUGH-IN AND FINAL CONNECTIONS FOR ALL LAUNDRY EQUIPMENT AS INDICATED ON DRAWINGS AND IN ROUGH-IN SCHEDULE INCLUDING ALL MATERIALS SUCH AS STOPS, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING AND SHUT OFF'S AS REQUIRED.

LAUNDRY VENTILATION / AIR / WALL BACKING SCHEDULE

ITEM	QTY	DESCRIPTION	VENTILATION EXHAUST			COMPRESSED AIR SUPPLY				VACUUM		WALL BACKING	
			SIZE	CFM	WGSP	SIZE	CFM	PSI	HT	SIZE	HT	HEIGHT	OC
1	LOT	LAUNDRY CART											
2		NOT USED											
3	2	SOAK SINK (TWO COMPARTMENT)											
4	LOT	STORAGE SHELVING											
5	5	DETERGENT PUMP											
6	6	160 LB. WASHER/EXTRACTOR				1/4"	1	90	FA				
7		NOT USED											
8		NOT USED											
9	1	EYE WASH											
6	6	190 LB. DRYER	20" DIA	4200	0.25"	1/4"	4	90	FA				
11	1	LINT COLLECTOR	56" DIA			1"	4	110	36"				
12	1	AIR COMPRESSOR											
13	6	MOBILE FOLDING TABLE											
14	3	SEWING MACHINE/STAND											
15		NOT USED											
16		NOT USED											
17		NOT USED											
18		NOT USED											
19		NOT USED											
20		NOT USED											

ABBREVIATIONS:

CFM	CUBIC FEET/MINUTE	OC	ON CENTER
WGSP	WATER GAUGE STATIC PRESSURE	FA	FROM ABOVE
PSI	POUNDS/SQUARE INCH		
HT	HEIGHT		

SCHEDULE NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING

DRAWING NOTES:

A MECHANICAL DIVISION TO INSULATE DUCTS FROM CONNECTION TO +84" A.F.F.
B WATER RE-USE SYSTEM FLOOR TRENCH AND WATER PIT BY G.C. - SEE SHEETS FSL2.1 AND FSL2.2 FOR ADDITIONAL INFORMATION
C PLUMBING DIVISION TO PROVIDE AIR COMPRESSOR AIR INTERCONNECTIONS, FILTER, HEADER AND EXTEND TO ROUGH-IN LOCATIONS FOR EQUIPMENT

01 Laundry Building Conditions and Ventilation Plan
SCALE 1/4" = 1'-0"

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Revision Schedule

#	Date	Description

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1721 SNYDER AVE.
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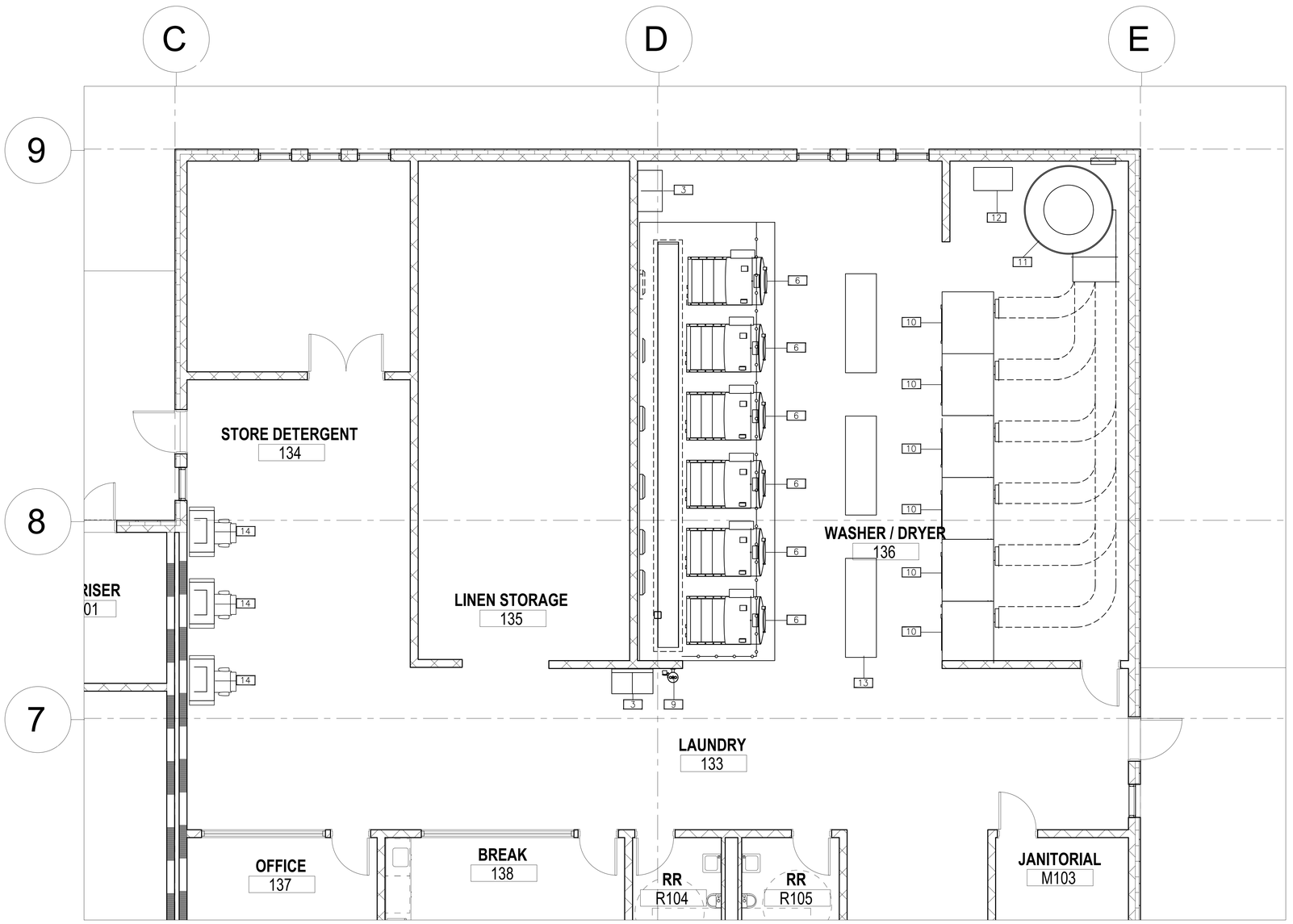
DESIGN DEVELOPMENT

drawing title
LAUNDRY
BUILDING CONDITIONS AND VENTILATION PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
LS.11



LAUNDRY NOTES:

PLUMBING DIVISION TO PROVIDE:

WORK AS DESCRIBED IN CONTRACT DOCUMENTS AND SUPPLEMENTAL REQUIREMENTS PER SECTION 11110 LAUNDRY EQUIPMENT.
ROUGH-IN AND FINAL CONNECTIONS FOR ALL FOODSERVICE EQUIPMENT AS INDICATED ON DRAWINGS AND IN PLUMBING ROUGH-IN SCHEDULE INCLUDING ALL MATERIALS SUCH AS STOPS, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING AND SHUT OFF'S AS REQUIRED.
PRESSURE REDUCING VALVES AS REQUIRED BY MANUFACTURER.
ALL WASTE LINES AS NOTED. MINIMUM DIAMETER OF LINE AS INDICATED IN SCHEDULE REGARDLESS OF CONNECTION SIZE AND SLOPED DOWNWARD WITH ADEQUATE CLEAN-OUT PROVISIONS.
MAINTAIN DRAINS AS HIGH AS POSSIBLE ABOVE FLOOR.
FLOOR SINKS (SET FLUSH WITH FLOOR).
INTERCONNECTIONS AS INDICATED IN ROUGH-IN SCHEDULE AND APPROVED SHOP DRAWINGS.

LAUNDRY PLUMBING ROUGH-IN SCHEDULE

ITEM	QTY	DESCRIPTION	WATER				GAS			STEAM					WASTE		
			CW	HW	HT	GPH	SUP	MBH	HT	SUP	RET	HT	LB/H	PSI	IND	DIR	HT
1	LOT	LAUNDRY CART															
2		NOT USED															
3	2	SOAK SINK (TWO COMPARTMENT)	1/2"	1/2"	21"	10										1-1/2"	18"
4	LOT	STORAGE SHELVING															
5		DETERGENT PUMP															
6	6	160 LB. WASHER/EXTRACTOR	1-1/4"	1-1/4"	FA	350									3"		
7		NOT USED															
8		NOT USED															
9	1	EYE WASH	1/2"		30"												
10	6	190 LB. DRYER	3/4"		FA		1-1/2"	590	FA								
11	1	LINT COLLECTOR	3/4"		42"												
12	1	AIR COMPRESSOR															
13	6	MOBILE FOLDING TABLE															
14	3	SEWING MACHINE/STAND															
15		NOT USED															
16		NOT USED															
17		NOT USED															
18		NOT USED															
19		NOT USED															
20		NOT USED															

ABBREVIATIONS:

CW/HW	COLD / HOT WATER	SUP	SUPPLY	IND	INDIRECT WASTE (AIR GAP)
HT	HEIGHT	RET	RETURN	DIR	DIRECT WASTE
GPH	GALLONS PER HOUR (HW)	LB/H	POUNDS PER HOUR		
MBH	BRITISH THERMAL UNIT x 1000	FA	FROM ABOVE		

SCHEDULE NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING	
REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN INFORMATION	

DRAWING NOTES:

A	PLUMBING DIVISION TO INTERCONNECT COLD WATER TO LINT COLLECTOR AND INSTALL SOLENOID PROVIDED BY LEC
B	SEE SHEET FSL2.2 FOR COMPRESSED AIR ROUGH-IN LOCATIONS
C	WATER REUSE SYSTEM – ALL INTERCONNECTIONS BY PLUMBING DIVISION – SEE SHEETS FSL2.1 AND FSL2.2 FOR INFORMATION

01 Laundry Plumbing Rough In Plan
SCALE 1/4" = 1'-0"

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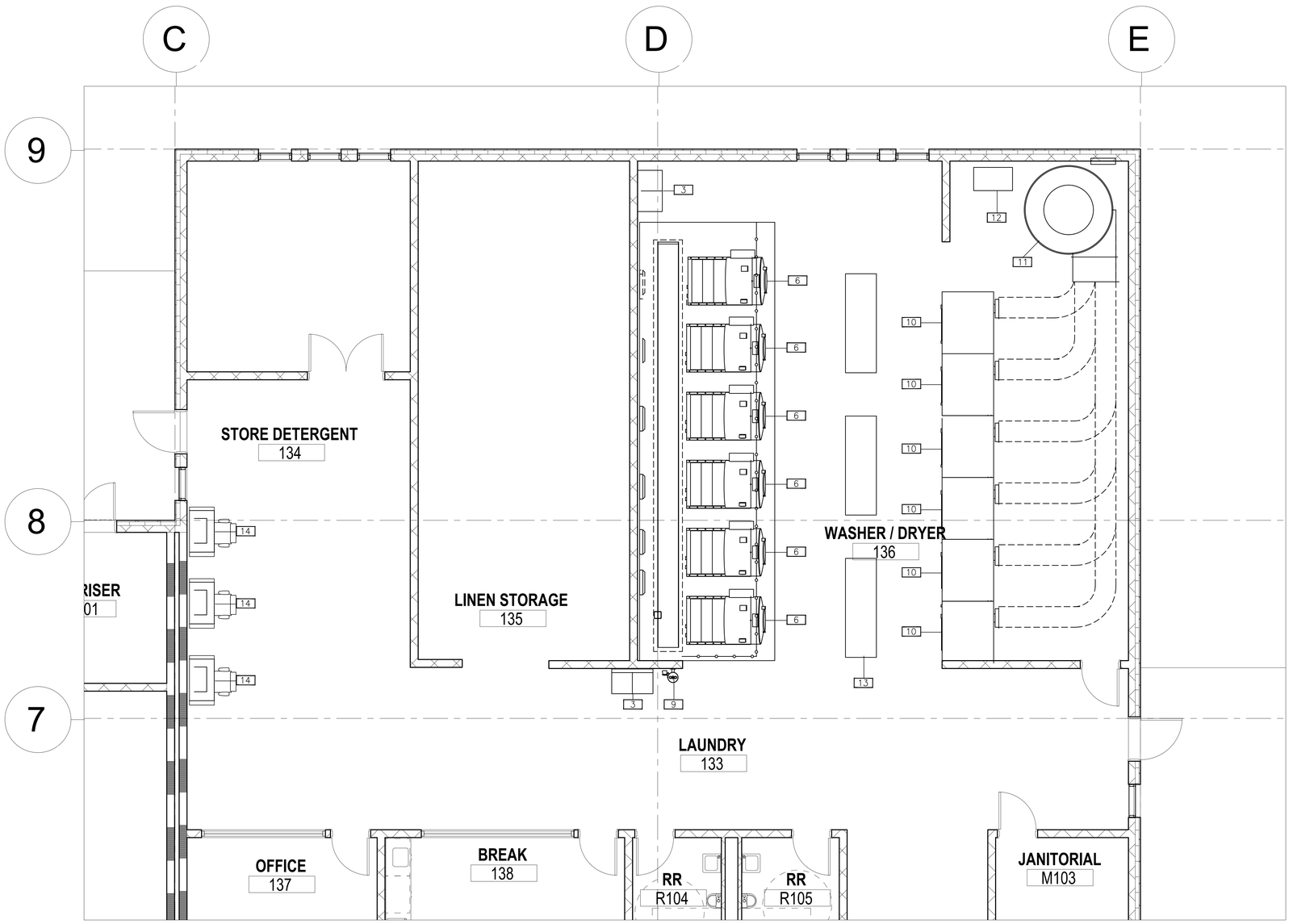
DESIGN DEVELOPMENT

drawing title
LAUNDRY
PLUMBING ROUGH IN PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
LS.12



LAUNDRY NOTES:

HEALTH DEPARTMENT REQUIREMENTS:

ALL EQUIPMENT, MANUFACTURED OR CUSTOM FABRICATED, TO HAVE NSF, ETL SANITATION OR UL SANITATION APPROVALS.

INSTALLATION TO MEET CALIFORNIA RETAIL FOOD CODE WITH WITH SB 744 AMENDMENTS, LATEST EDITION.

ALL EQUIPMENT WHICH GENERATES CONDENSATE AND LIQUID WASTES FROM STEAM TABLES, ICE MACHINES AND BINS, UTENSIL WASH SINKS, FOOD PREPARATION SINKS, DISPLAY CASES, ETC. SHALL BE DRAINED BY MEANS OF INDIRECT WASTE PIPES INTO FLOOR SINK OR OTHER APPROVED INDIRECT WASTE RECEPTOR. FLOOR DRAINS ARE NOT TO BE USED IN LIEU OF FLOOR SINKS. ALL WASTE LINES MUST BE HARD PIPED FROM POINT OF CONNECTIONS.

ALL FLOOR SINKS SHALL BE AT LEAST HALF EXPOSED OR OTHERWISE READILY ACCESSIBLE FOR INSPECTION AND CLEANING. FLOOR SINK SHOULD NOT POSE A TRIPPING HAZARD (MOUNT ALL FLOOR SINKS FLUSH WITH FLOOR)

LAUNDRY ELECTRICAL ROUGH-IN SCHEDULE

ITEM	QTY	DESCRIPTION	CONNECTED LOAD							CONNECTION TYPE		
			120/1	120/208/1	120/208/3	208/1	208/3	480/3	HT	C&P	RECP	HW
1	LOT	LAUNDRY CART										
2		NOT USED										
3	2	SOAK SINK (TWO COMPARTMENT)										
4	LOT	STORAGE SHELVING										
5		DETERGENT PUMP	9.4 AMP						48"	●	●	
6	6	160 LB. WASHER/EXTRACTOR						19 AMP	FA			●
7		NOT USED										
8		NOT USED										
9	1	EYE WASH										
6	6	190 LB. DRYER						14.1 AMP	FA			●
11	1	LINT COLLECTOR	3 AMP						48"			●
12	1	AIR COMPRESSOR						13 AMP	48"			●
13	6	MOBILE FOLDING TABLE										
14	3	SEWING MACHINE/STAND	7 AMP						18"		●	
15		NOT USED										
16		NOT USED										
17		NOT USED										
18		NOT USED										
19		NOT USED										
20		NOT USED										

ABBREVIATIONS:

CONN	CONNECTION TYPE BY DIVISION 16	FA	FROM ABOVE
C&P	CORD AND PLUG	HT	HEIGHT
RECP	RECEPTACLE		
HW	HARDWIRE		

SCHEDULE NOTES:

CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING

CONNECTION TYPES BY DIVISION 26

DRAWING NOTES:

A ELECTRICAL DIVISION TO INTERCONNECT LINT COLLECTOR COMPONENTS POWER AND CONTROL WIRING

B WATER REUSE SYSTEM – ALL INTERCONNECTIONS BY ELECTRICAL DIVISION – SEE SHEETS FSL2.1 AND FSL2.2 FOR INFORMATION

01 Laundry Electrical Rough In Plan
SCALE 1/4" = 1'-0"

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CARSON CITY, NEVADA 89701

DESIGN DEVELOPMENT

drawing title
LAUNDRY
ELECTRICAL ROUGH IN
PLAN

job number
25015

date
OCTOBER 27, 2026

drawing number
LS.13