HEROES MEMORIAL BUILDING & ANNEX

50% CONSTRUCTION DOCUMENTS

VOLUME 1

SEPTEMBER 23, 2022

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

PROJECT ADDRESS:
198 SOUTH CARSON ST.
CARSON CITY, NV 89701



CLIENT:

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Project No. 21-P02

DESIGN TEAM

PROJECT ARCHITECT
TSK ARCHITECTS
225 South Arlington Ave. Suite A
Reno, Nevada 89501

HISTORIC PRESERVATION ARCHITECT
IS ARCHITECTURE
5649 La Jolla Blvd.
La Jolla, California 92037

STRUCTURAL ENGINEER
LUMOS & ASSOCIATES
9222 Prototype Drive
Reno, Nevada 89521

HISTORIC STRUCTURES-STRUCTURAL ENGINEER
MELVYN GREEN & ASSOCIATES
3868 Carson Street, Suite 300
Torrance, California 90503

MECHANICAL/ PLUMBING ENGINEER
AINSWORTH & ASSOC.
1420 Holcomb Ave.,
Reno, Nevada 89502

ELECTRICAL & FIRE PROTECTION ENGINEER
PK ELECTRICAL, INC.
681 Sierra Rose Drive, Suite B,
Reno, Nevada 89511

CMAR
Q&D CONSTRUCTION LLC
1050 S 21st St,
Sparks, Nevada 89431

COST ESTIMATOR
OCMI
2470 St Rose Pkway #209
Henderson, Nevada 89074

tsk
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phone: 702.456.3000
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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

Job No: 21-P02

50% CONSTRUCTION DOCUMENTS
SEPTEMBER 23, 2022

ABBREVIATIONS

A	
A.D.	Area Drain
A.V.	Audio/Visual
ACC.	Accessible
ACOUS.	Acoustical
ADJ.	Adjustible
AGGR.	Aggregate
AL.	Aluminum
APPROX.	Approximate
ARCH	Architectural
ASPH.	Asphalt
B	
B.O.F.	Bottom of Fixture
BD.	Board
BITUM.	Bituminous
BLDG.	Building
BLK.	Block
BLKG.	Blocking
BM.	Beam
BOT.	Bottom
C	
C.B.	Catch Basin
C.F.C.I.	Contractor Furnished Contractor Installed
C.F.O.I.	Contractor Furnished Owner Installed
C.G.	Corner Guard
C.I.	Cast Iron
C.J.	Control Joint
C.M.U.	Concrete Masonry Unit
CAB.	Cabinet
CEM.	Cement
CER.	Ceramic
CLG.	Ceiling
CLKG.	Caulking
CLO.	Closet
CLR.	Clear
CNTR.	Counter
COL.	Column
CONC.	Concrete
CONN.	Connection
CONST.	Construction
CONT.	Continuous
CORR.	Corridor
CPT.	Carpet
CT.	Ceramic Tile
CTR.	Center
CTSK.	Countersunk
D	
D.F.	Drinking Fountain
D.O.	Door Opening
D.S.P.	Dry Standpipe
DBL.	Double
DEPT.	Department
DET.	Detail
DIA.	Diameter
DIM.	Dimension
DISP.	Dispenser
DN.	Down
DR.	Door
DS.	Downspout
DWG.	Drawing
DWR.	Drawer
E	
(E)	Existing
E.	East
E.I.F.S.	Exterior Insulation Finish System
E.J.	Expansion Joint
E.P.	Electrical Panelboard
E.P.D.M.	Single Ply Roof Membrane
E.W.C.	Electric Water Cooler
EA.	Each
ELEC.	Electrical
ELEV.	Elevation
EMER.	Emergency
ENCL.	Enclosure
EQ.	Equal
EQUIP.	Equipment
EXIST.	Existing Exposed
EXP.	Expansion
EXT.	Exterior
F	
F.A.	Fire Alarm
F.B.	Flat Bar
F.D.	Floor Drain
F.E.	Fire Extinguisher
F.E.C.	Fire Extinguisher Cabinet
F.H.C.	Fire Hose Cabinet
F.O.C.	Face of Concrete
F.O.F.	Face of Finish
F.O.S.	Face of Stud
F.S.	Fulll Size
FDN.	Fountain
FIN.	Finish
FLASH.	Flashing
FLOUR.	Flourescent
FLR.	Floor
FPRF.	Fireproof
FT.	Foot or Feet
FTG.	Footing
FURR.	Furring
FUT.	Future
G	
G.B.	Grab Bar
G.F.R.C.	Glass Fiber Reinforced Concrete
GA.	Guage
GALV.	Galvanized
GL.	Glass
GND.	Ground
GR.	Grade
GYP.	Gypsum
H	
H.B.	Hose Bibb
H.M.	Hollow Metal
HDWD.	Hardwood
HDWE.	Hardware
HGT.	Height
HORIZ.	Horizontal
HR.	Hour
I	
I.D.	Inside Diameter (Dim.)
INSUL.	Insulation
INT.	Interior
J	
JAN.	Janitor
JT.	Joint
K	
KIT.	Kitchen
L	
LAB.	Laboratory
LAM.	Laminate
LAV.	Lavatory
LKR.	Locker
LT.	Light
M	
M.C.	Medicine Cabinet
M.O.	Masonry Opening
MAX.	Maximum
MECH.	Mechanical
MEMB.	Membrane
MFGR.	Manufacturer
MH.	Manhole
MIN.	Minimum
MIR.	Mirror
MISC.	Miscellaneous
MTD.	Mounted
MTL.	Metal
MUL.	Mullion
N	
N.	North
N.I.C.	Not in Contract
N.T.S.	Not to Scale
NO. OR #	Number
NOM.	Nominal
O	
O.A.	Overall
O.C.	On Center
O.D.	Outside Dlameter (Dim.)
O.F.C.I.	Owner Furnished Contractor Installed
O.F.O.I.	Owner Furnished Owner Installed
O.H.	Opposite Hand
O.R.D.	Overflow Roof Drain
OBS.	Obscure
OFF.	Office
OPNG.	Opening
OPP.	Opposite
P	
P.LAM.	Plastic Laminate
P.T.D.	Paper Towel Dispenser
P.T.D./R.	Combination Paper Towel Dispencer and Receptacle
P.T.R.	Paper Towel Receptacle
PL.	Plate
PLAS.	Plaster
PLYWD	Plywood
PR.	Pair
PRCST.	Pre-cast
PT.	Point
PTN.	Partition
Q	
Q.T.	Quarry Tile
R	
R.	Riser
R.D.	Roof Drain
R.O.	Rough Opening
R.W.L.	Rain Water Leader
RAD.	Radius
REF.	Reference
REFR.	Refrigerator
REINF.	Reinforce
REQD	Required
RESIL.	Resilient
RGTR.	Register
RM.	Room
RRM	Restroom
RWD	Redwood
S	
S.	South
S.C.	Solid Core
S.C.D.	Seat Cover Dispenser
S.D.	Soap Dispenser
S.N.D.	Sanitary Napkin Dispensr
S.SK.	Service Sink
SCHED.	Schedule
SECT.	Section
SH.	Shelf
SHR.	Shower
SHT.	Sheet
SIM.	Similar
SPEC.	Specification
SQ.	Square
SST.	Stainless Steel
STA.	Station
STD.	Standard
STL.	Steel
STO.	Storage
STRL.	Structural
SUSP.	Suspended
SYM.	Symmetrical
T	
T.&G.	Tongue and Groove
T.B.	Towel Bar
T.C.	Top of Curb
T.O.W.	Top of Wall
T.P.	Top of Pavement
T.P.D.	Toilet Paper Dispenser
T.V.	Television
TEL.	Telephone
TER.	Terazzo
THK.	Thick
TRD.	Tread
TYP.	Typical
U	
U.N.O.	Unless Noted Otherwise
UNIF.	Unfinished
UR.	Urinal
V	
V.B.	Vapor Barriers
V.C.G.	Vinyl Corner Guard
V.T.	Vinyl Tile
VAR.	Varies
VERT.	Vertical
VEST.	Vestibule
W	
W.	West
W.C.	Water Closet
W/	With
W/O	Without
WD.	Wood
WK.P.	Working Point
WP.	Waterproof
WSCT.	Wainscot
WT.	Weight

CODE ANALYSIS

PROJECT DESCRIPTION

Actual Floor Area, Basement Level:	2,245 SF
Actual Floor Area, Level 1:	2,175 SF
Actual Floor Area, Level 2:	2,150 SF
Total Gross Square Footage:	6,570 SF

GOVERNING CODES:

- 2018 International Existing Building Code
- 2018 International Building Code
- 2018 Uniform Mechanical Code
- 2018 Uniform Plumbing Code
- 2017 Uniform Electrical Code
- 2018 International Energy Conservation Code
- 2010 ADA Standards for Accessible Design

OCCUPANCY CLASSIFICATIONS: — **IBC 2018**

Occupancy:	B (Business)	(Section 304.1)

CONSTRUCTION TYPE:

	Type V-B	(Table 601)
Allowable Height:	3 Stories / 60' Height	(Table 504.3 & 504.4)
Allowable Area:	27,000 SF	(Table 506.2)
Actual Height:	TBD	
Sprinkler Increase:	NA	

FIRE RESISTANCE RATING REQUIREMENTS: (Table 601)

Structural Frame	0-hr.
Bearing Exterior Walls	0-hr.
Bearing Interior Walls	0-hr.
Non-Bearing Exterior Walls	0-hr.
Non-Bearing Interior Walls	0-hr.
Floor	0-hr.
Roof	0-hr.

IECC – 2018 (INTERNATIONAL ENERGY CONSERVATION CODE)

Nevada, Carson City is **Climate Zone 5B**

Building Envelope Minimum Requirements - R-Value Method (Table C402.1.3)

Insulation Above Roof Deck	R-30ci
Attic & Other	R-38
Mass Walls	R-11.4ci
Metal Framed Walls	R-13 + R-7.5ci
Walls Below Grade	R-7.5ci
Slab on Grade Floors	R-10 for 24" below
Opaque Doors (swinging)	R- 4.75

IECC 2018 - C501.6 Historic buildings.

Provisions of this code relating to the construction, repair, alteration, restoration and movement of structures, and change of occupancy shall not be mandatory for historic buildings provided that a report has been submitted to the code official and signed by a registered design professional, or a representative of the State Historic Preservation office or the historic preservation authority having jurisdiction, demonstrating that compliance with that pro-vision would threaten, degrade or destroy the historic form, fabric or function of the building.

ADDITIONAL NOTES:

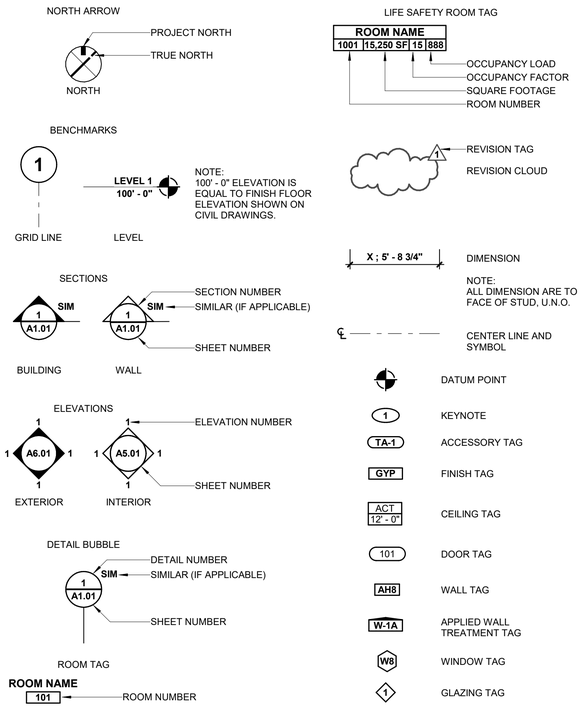
- Building type and occupancy classification is unchanged
- Building exiting is unchanged

DEFERRED SUBMITTALS:

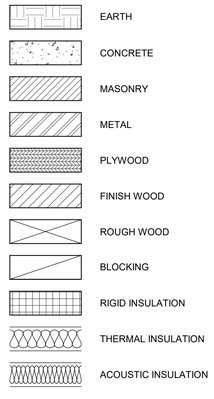
- Fire Alarm System
- Smoke Detector System
- Fire Sprinkler System

DRAWING INDEX

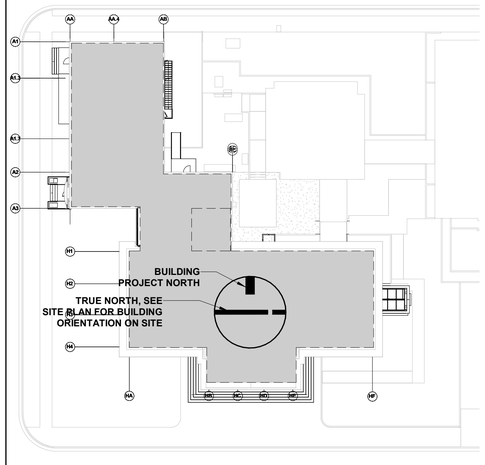
SYMBOL LEGEND



MATERIALS LEGEND



BUILDING ORIENTATION



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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
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SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

GENERAL SHEET

Date: SEPTEMBER 23, 2022

Sheet No:

G0.00

DRAWING INDEX

VOLUME 1

#	SHEET NAME	100% SD (3/8/21)	60% DD	100% DD (05.31.22)	50% CD (9.02.22)	100% CD (DATE)
00_COVER SHEET						
0.0	COVER SHEET	■	■	■	■	
01_GENERAL						
G0.00	GENERAL SHEET	■	■	■	■	
G0.01	MASTER SHEET INDEX				■	
G1.01	GENERAL ACCESSIBILITY DETAILS	■	■	■	■	
G1.02	GENERAL ACCESSIBILITY DETAILS	■	■	■	■	
G1.03	GENERAL ACCESSIBILITY DETAILS	■	■	■	■	
G1.04	GENERAL ACCESSIBILITY DETAILS	■	■	■	■	
G1.05	GENERAL ACCESSIBILITY DETAILS	■	■	■	■	
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C1.00	STORM DRAIN PLAN				■	
03_LANDSCAPE						
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L1.01	LANDSCAPE PLAN				■	
L2.01	IRRIGATION PLAN				■	
L3.00	LANDSCAPE & IRRIGATION DETAILS				■	
L3.01	LANDSCAPE & IRRIGATION DETAILS				■	
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AS2.02	STAIR PLANS AND SECTIONS					
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A1.02	DEMOLITION PLANS LEVEL 2	■	■	■	■	
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A1.11D	BASEMENT LEVEL - DIMENSION PLAN		■	■	■	
A1.11S	BASEMENT LEVEL - SLAB PLAN			■	■	
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A1.43	LEVEL 2 - FURNITURE PLAN		■	■	■	
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A5.02	INTERIOR ELEVATIONS			■	■	
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A6.02	EXTERIOR ELEVATIONS	■	■	■	■	
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VOLUME 2

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00_COVER SHEET						
0.0	COVER SHEET	■	■	■	■	
08_FIRE PROTECTION						
FP0.01	FIRE PROTECTION LEGEND, SCHEDULES, NOTES				■	
FP1.21	FIRE PROTECTION HEROES LEVEL 0 NEW PLAN				■	
FP1.22	FIRE PROTECTION HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN				■	
FP1.23	FIRE PROTECTION HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN				■	
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M0.02	MECHANICAL EQUIPMENT SCHEDULES				■	■
M0.03	MECHANICAL EQUIPMENT SCHEDULES				■	■
M0.04	MECHANICAL EQUIPMENT SCHEDULES					■
M1.01	MECHANICAL HEROES LEVEL 0 DEMOLITION PLAN				■	■
M1.02	MECHANICAL HEROES LEVEL 1 DEMOLITION PLAN				■	■
M1.03	MECHANICAL HEROES LEVEL 2 DEMOLITION PLAN				■	■
M1.04	MECHANICAL DEMOLITION ROOF PLAN				■	■
M1.11	MECHANICAL LEVEL 0 ZONING PLAN				■	■
M1.12	MECHANICAL LEVEL 1 ZONING PLAN				■	■
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M1.22	MECHANICAL HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN				■	■
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M1.24	MECHANICAL HEROES LEVEL 0 NEW PLAN - PIPING				■	
M1.25	MECHANICAL HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN - PIPING				■	■
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M5.02	MECHANICAL PIPING DIAGRAMS				■	
M5.03	MECHANICAL PIPING DIAGRAMS				■	
M5.04	MECHANICAL DUCTWORK DIAGRAMS				■	
M6.01	MECHANICAL DETAILS				■	■
M6.02	MECHANICAL DETAILS				■	■
M6.03	MECHANICAL DETAILS				■	■
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E3.11	HEROES LEVEL 1 LIGHTING PLAN			■	■	
E3.12	HEROES LEVEL 2 LIGHTING PLAN			■	■	
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T0.06	CCTV DETAILS				■	
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T1.12	HEROES LEVEL 2 TELECOM PLAN			■	■	
T1.21	ANNEX LEVEL 1 TELECOM PLAN			■	■	
T1.22	ANNEX LEVEL 2 TELECOM PLAN			■	■	

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

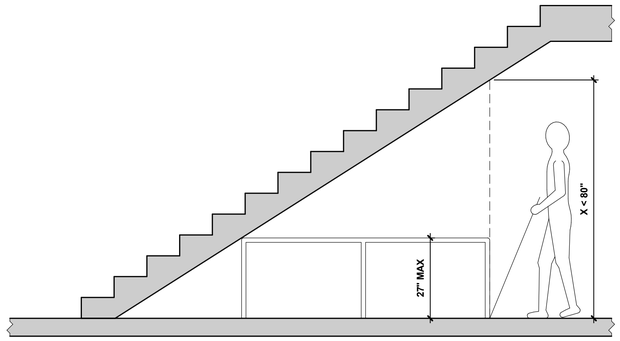
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MASTER SHEET INDEX

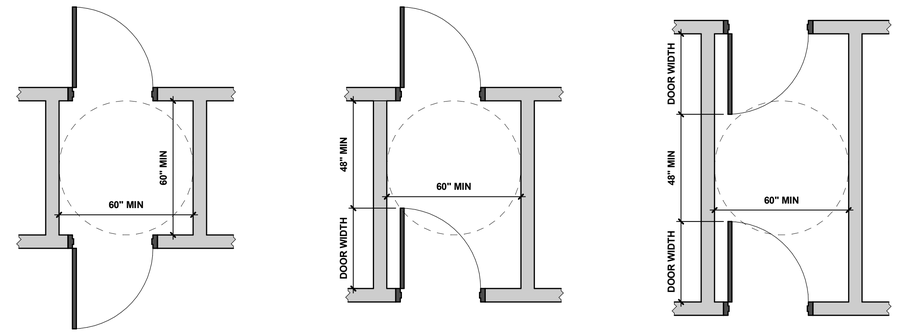
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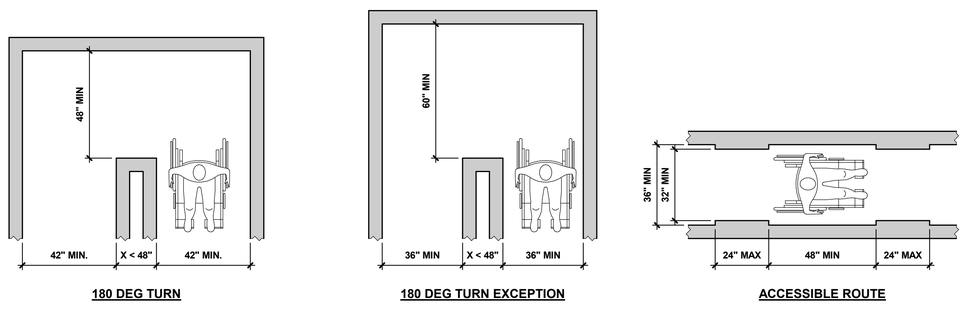
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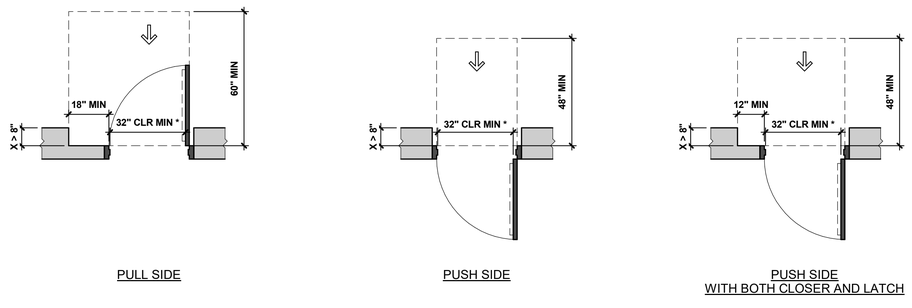
12 REDUCED VERTICAL CLEARANCE
SCALE: 1/2" = 1'-0"



6 MANEUVERING CLEARANCE AT TWO DOORS IN SERIES
SCALE: 3/8" = 1'-0"

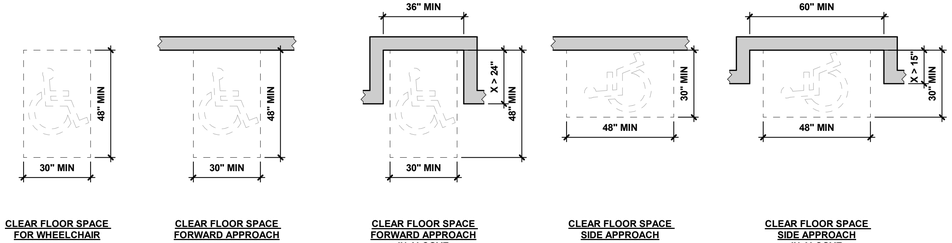


11 CLEAR WIDTH OF AN ACCESSIBLE ROUTE AND CLEAR WIDTH AT TURN
SCALE: 3/8" = 1'-0"

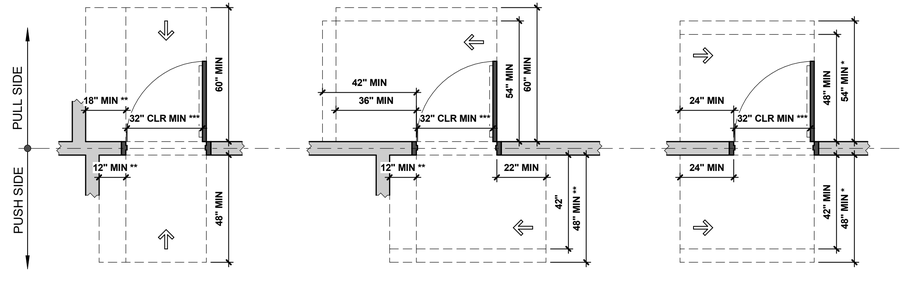


NOTES:
* CLEAR WIDTH SHALL COMPLY WITH LOCAL CODE AMENDMENT REQUIREMENTS

5 MANEUVERING CLEARANCE AT RECESSED DOORS
SCALE: 3/8" = 1'-0"



10 WHEELCHAIR CLEAR FLOOR SPACE
SCALE: 3/8" = 1'-0"



NOTES:
* IF CLOSER IS PROVIDED
** IF BOTH LATCH AND CLOSER ARE PROVIDED
*** CLEAR WIDTH SHALL COMPLY WITH LOCAL CODE AMENDMENT REQUIREMENTS

4 MANEUVERING CLEARANCE AT DOORS
SCALE: 3/8" = 1'-0"

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SPWD Project No. 21-P02

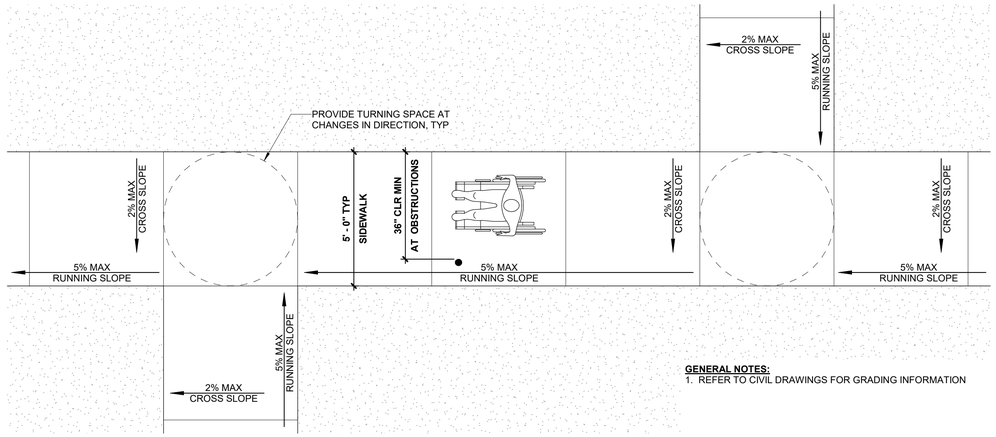
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
GENERAL ACCESSIBILITY DETAILS

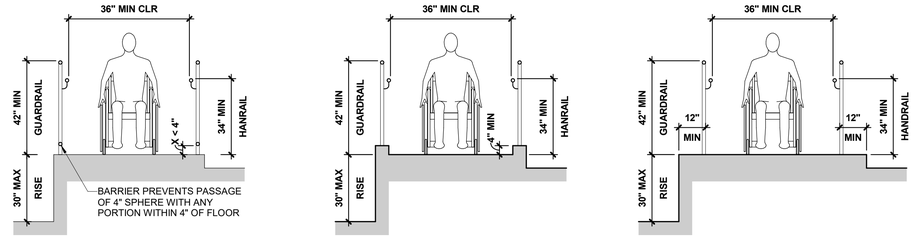
Date: SEPTEMBER 23, 2022

Sheet No:
G1.01



GENERAL NOTES:
1. REFER TO CIVIL DRAWINGS FOR GRADING INFORMATION

12 ACCESSIBLE ROUTE ON SITE
SCALE: 3/8" = 1'-0"

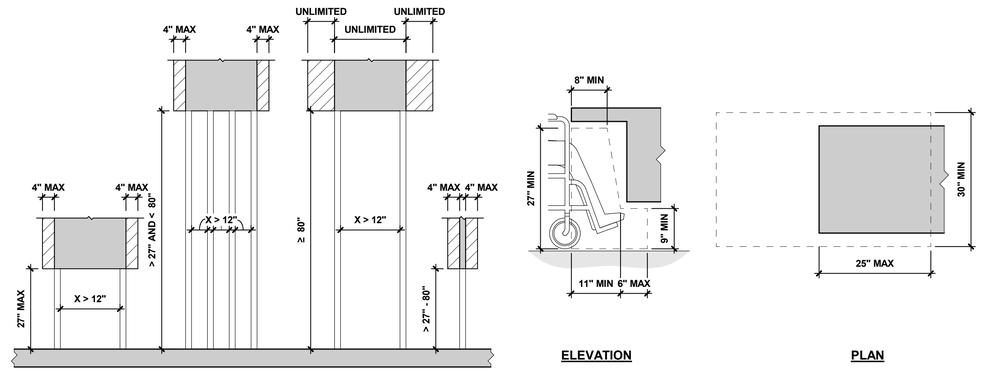


BARRIER EDGE PROTECTION

CURB EDGE PROTECTION

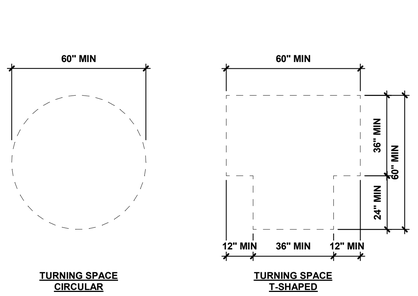
EXTENDED SURFACE EDGE PROTECTION

6 RAMP EDGE PROTECTION
SCALE: 3/8" = 1'-0"



ELEVATION

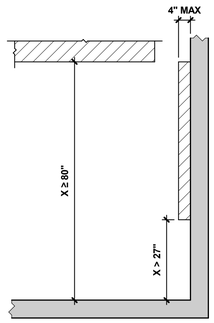
PLAN



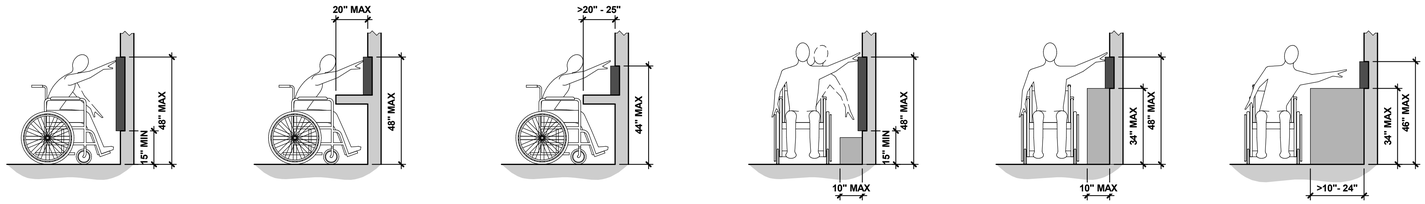
TURNING SPACE CIRCULAR

TURNING SPACE T-SHAPED

11 WHEELCHAIR TURNING SPACE
SCALE: 3/8" = 1'-0"



8 LIMITS OF PROTRUDING OBJECTS
SCALE: 1/2" = 1'-0"



FORWARD REACH UNOBSTRUCTED

HIGH FORWARD REACH OBSTRUCTED (A)

HIGH FORWARD REACH OBSTRUCTED (B)

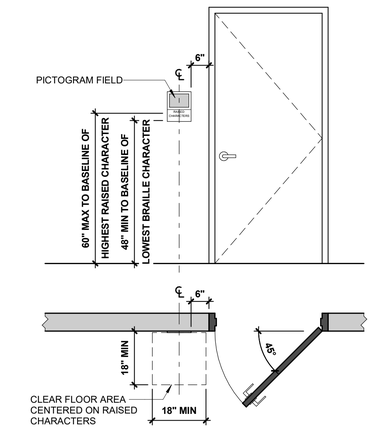
SIDE REACH UNOBSTRUCTED

HIGH SIDE REACH OBSTRUCTED (A)

HIGH SIDE REACH OBSTRUCTED (B)

5 POST MOUNTED PROTRUDING OBJECTS
SCALE: 1/2" = 1'-0"

2 KNEE AND TOE CLEARANCE
SCALE: 3/4" = 1'-0"



10 LOCATION OF SIGNS AT DOORS
SCALE: 1/2" = 1'-0"

7 REACH RANGES
SCALE: 3/8" = 1'-0"

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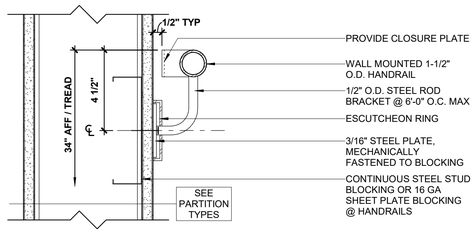
SPWD Project No. 21-P02

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REV	DATE	DESCRIPTION

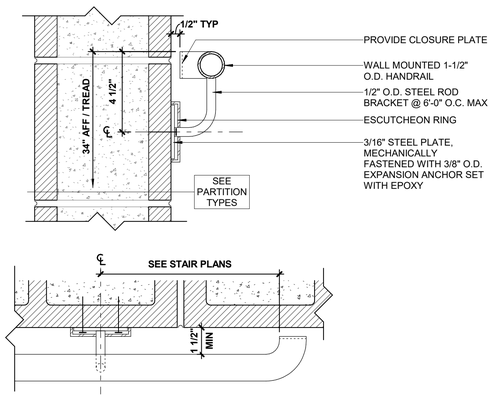
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GENERAL ACCESSIBILITY DETAILS

Date: SEPTEMBER 23, 2022
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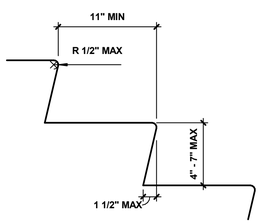
GENERAL NOTES:
1. ALL WELDS TO BE CONTINUOUS AND GROUND SMOOTH

9 WALL MOUNTED HANDRAIL - STUD WALL
SCALE: 3" = 1'-0"



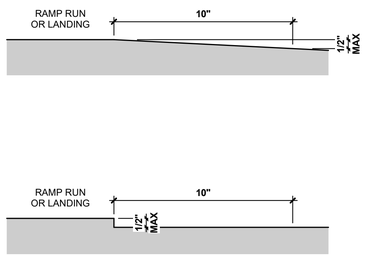
GENERAL NOTES:
1. ALL WELDS TO BE CONTINUOUS AND GROUND SMOOTH

8 WALL MOUNTED HANDRAIL - CMU WALL
SCALE: 3" = 1'-0"



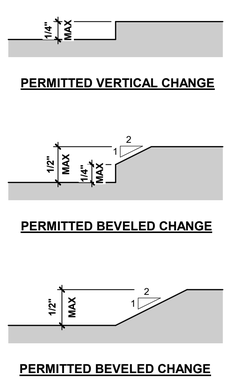
GENERAL NOTES:
1. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND TREAD DEPTH
2. THE LEADING 2" OF TREAD SHALL HAVE VISUAL CONTRAST OF DARK-ON-LIGHT OR LIGHT-ON-DARK FROM THE REMAINDER OF THE TREAD

10 TREAD AND RISERS
SCALE: 1 1/2" = 1'-0"



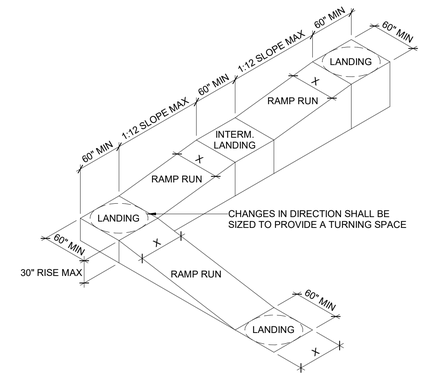
GENERAL NOTE:
1. EDGE PROTECTION SHALL NOT BE REQUIRED ON RAMPS OR LANDINGS HAVING A VERTICAL DROP-OFF OF 1/2" MAX WITHIN 10" HORIZONTALLY OF THE MINIMUM RAMP OR LANDING AREA.

6 RAMP EDGE PROTECTION EXCEPTION
SCALE: 3" = 1'-0"

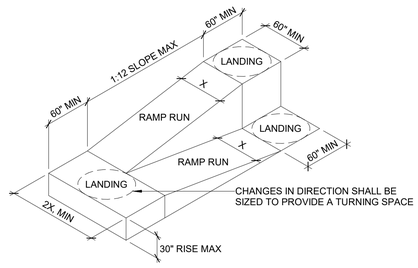


5 CHANGES IN LEVEL
SCALE: 12" = 1'-0"

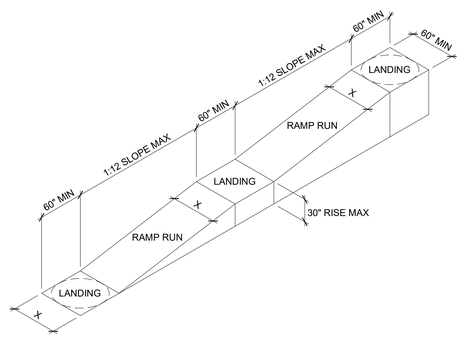
7 HANDRAIL EXTENSIONS
SCALE: 3/4" = 1'-0"



RAMP WITH TURNING PLATFORM



RAMP WITH INTERMEDIATE SWITCH-BACK PLATFORM



STRAIGHT RAMP

GENERAL NOTES:
1. ACCESSIBLE ROUTE WIDTH (SHOWN AS "X"), SHALL BE 36" MINIMUM
2. WHEN DOOR SWINGS ONTO LANDING, THE DOOR SWING SHALL NOT OVERLAP TURNING SPACE
3. RAMP RUNS WITH A RISE HIGHER THAN 6" SHALL HAVE HANDRAILS
4. EDGE PROTECTION SHALL BE PROVIDED ON EACH SIDE OF RAMP RUN AND LANDING

1 RAMP DETAILS
SCALE: 1/8" = 1'-0"

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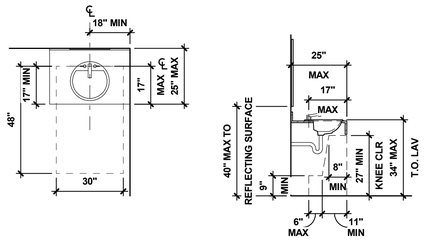
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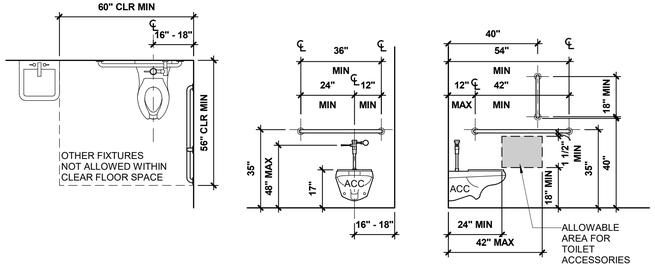
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DESIGN CRITERIA FOR ACCESSIBLE RESTROOMS

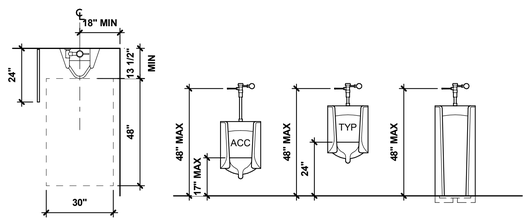
NOTE:
ALL HEIGHT DIMENSIONS ARE TO THE HIGHEST OPERATING CONTROL, INCLUDING COIN SLOT.
THIS INCLUDES ALL ACCESSORIES.



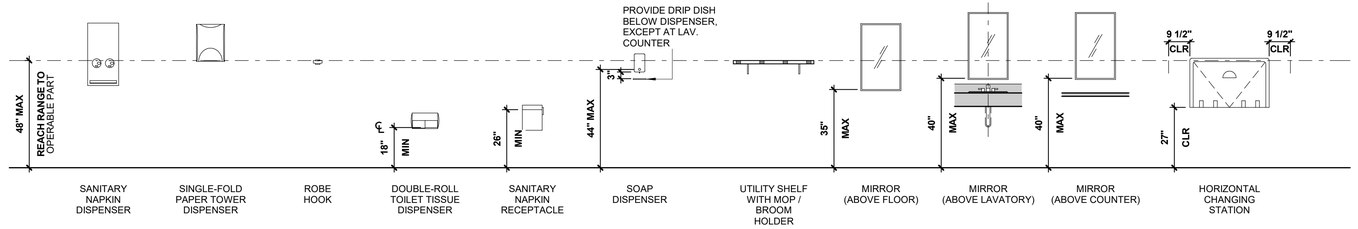
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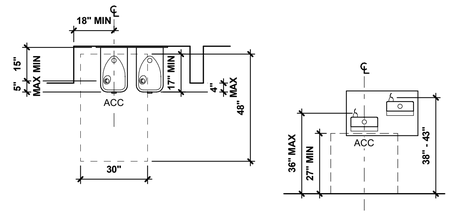
TOILET



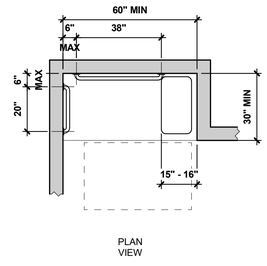
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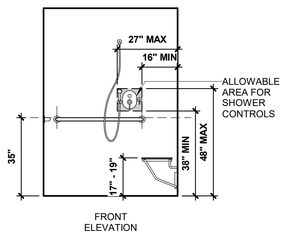
RESTROOM ACCESSORIES (ADULT)



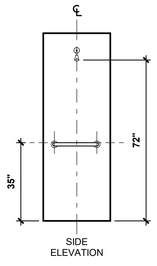
DRINKING FOUNTAIN



PLAN
VIEW

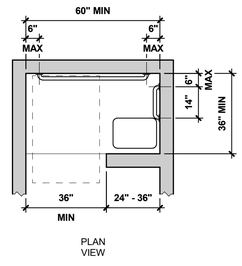


FRONT
ELEVATION

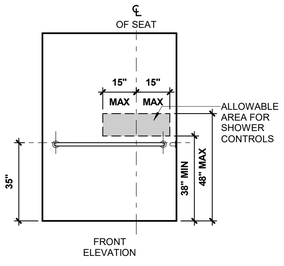


SIDE
ELEVATION

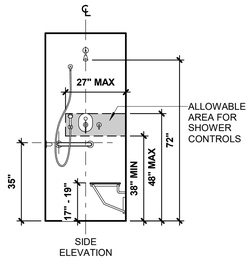
STANDARD ROLL-IN-TYPE SHOWER COMPARTMENT



PLAN
VIEW

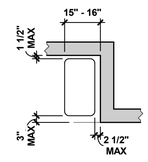


FRONT
ELEVATION

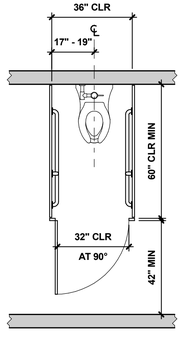


SIDE
ELEVATION

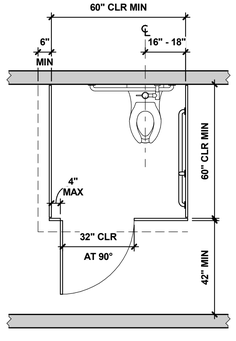
ALTERNATE ROLL-IN-TYPE SHOWER COMPARTMENT



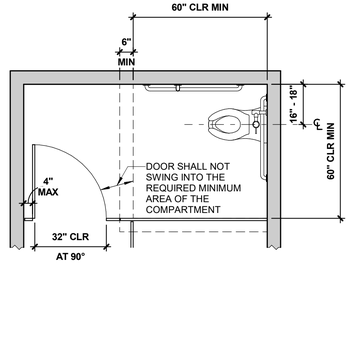
SHOWER COMPARTMENT SEAT

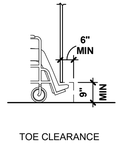


AMBULATORY STALL

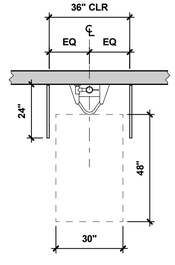


ACCESSIBLE STALL





TOE CLEARANCE



URINAL

1 TYPICAL FIXTURE AND ACCESSORY ELEVATIONS

SCALE: 3/8" = 1'-0"

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

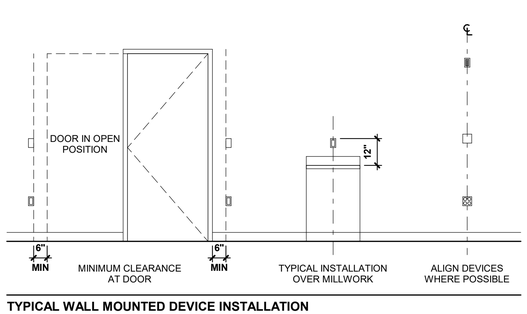
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

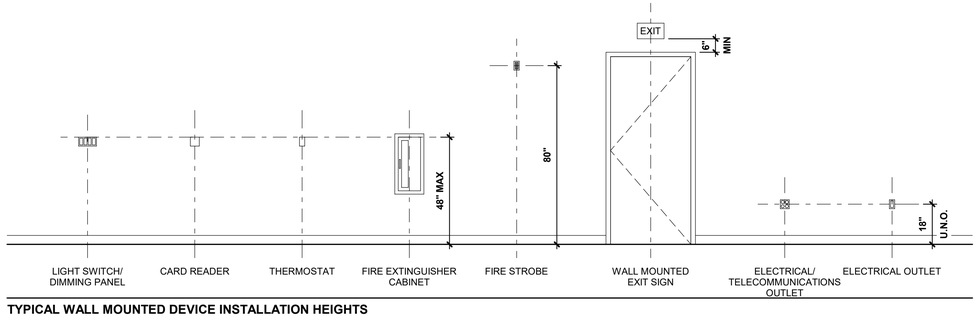
REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
GENERAL ACCESSIBILITY DETAILS

Date: SEPTEMBER 23, 2022
Sheet No:
G1.04



TYPICAL WALL MOUNTED DEVICE INSTALLATION



TYPICAL WALL MOUNTED DEVICE INSTALLATION HEIGHTS

1 WALL MOUNTED DEVICES - TYPICAL MOUNTING HEIGHTS
SCALE: 3/8" = 1'-0"

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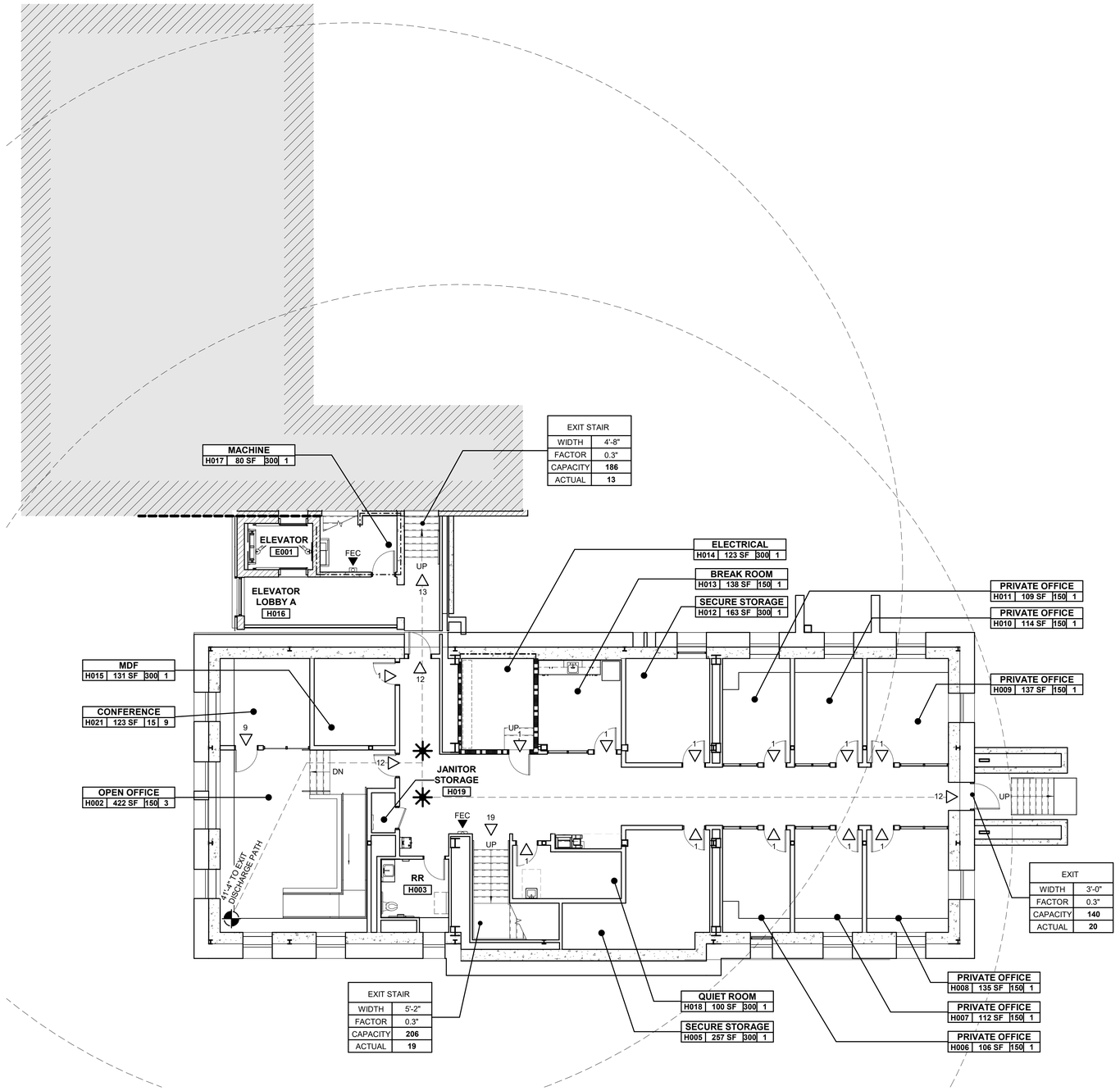
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
GENERAL ACCESSIBILITY DETAILS

Date: SEPTEMBER 23, 2022
Sheet No:
G1.05



1 LIFE SAFETY PLAN - BASEMENT LEVEL
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. PER 2018 IBC SECTION 703.7: FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL: (1) BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING, OR ATTIC SPACES; (2) BE LOCATED WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND (3) INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT WITH A MINIMUM 3/8" STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER WORDING
2. FOR CLARITY PURPOSES; FLOOR ADA CLEARANCES, FLOOR DRAINS, ELECTRICAL AND LOW VOLTAGE DEVICES ARE NOT SHOWN.

KEYNOTES

LEGEND

- ROOM NAME | 1001 | 15,250 SF | 15 | 888 — ROOM NAME; OCCUPANT LOAD; OCCUPANT LOAD FACTOR; AREA; ROOM NUMBER
- 1 HR RATED PARTITION
- 2 HR RATED PARTITION
- PATH OF EGRESS TO EXIS DISCHARGE
- POINT AT WHICH 2 EXIT PATHS BECOME AVAILABLE
- 42 — EXIT DIRECTION AND NUMBER OF OCCUPANTS
- MOST REMOTE POINT FOR TRAVEL DISTANCE
- FIRE EXTINGUISHER CABINET W/ 75FT RADIUS CIRCLE, SEE LIFE SAFETY DETAILS AE2.XX

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SPWD Project No. 21-P02

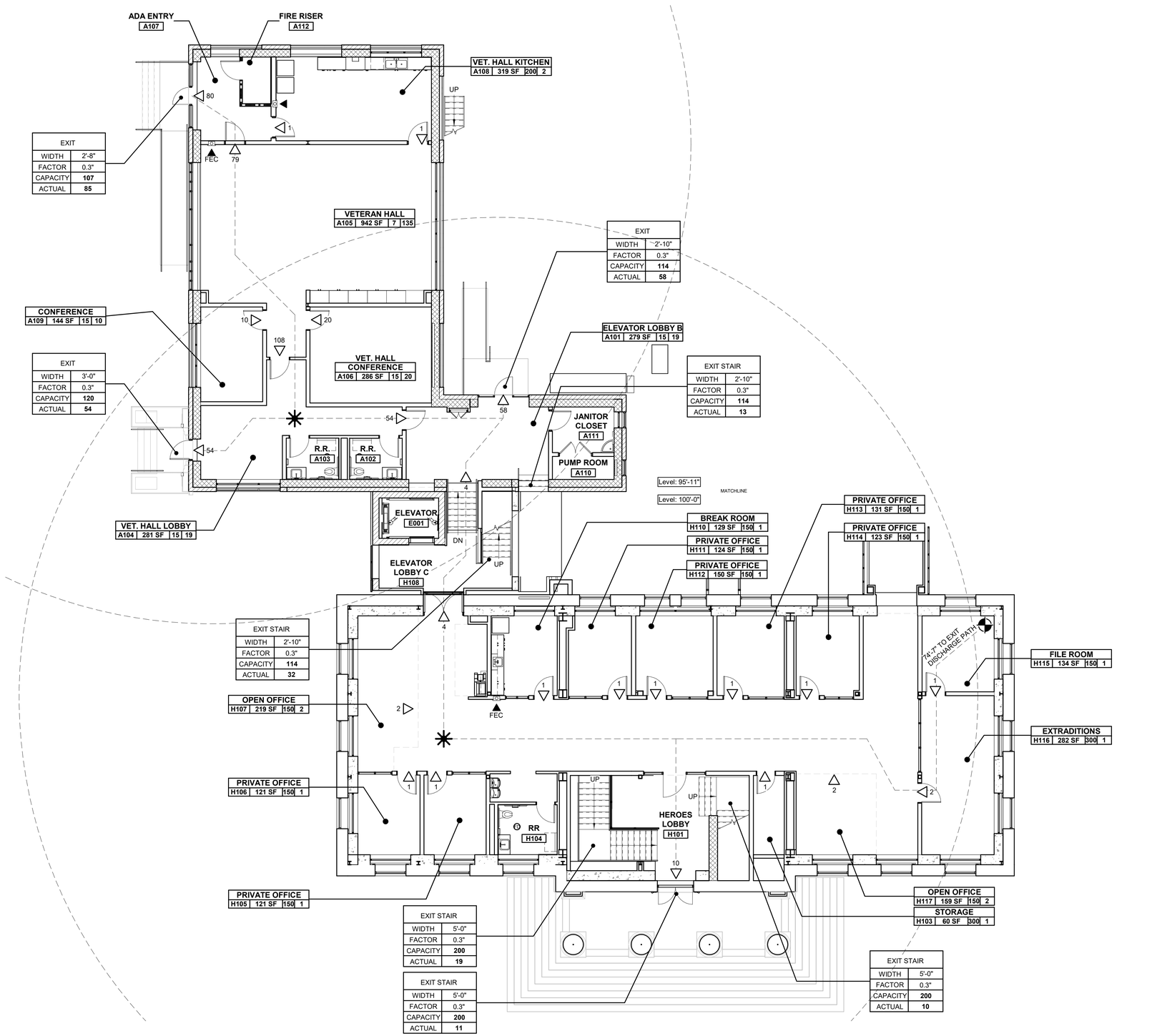
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LIFE SAFETY PLAN - BASEMENT LEVEL

Date: SEPTEMBER 23, 2022

Sheet No:
AE1.01



1 LIFE SAFETY PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1 PER 2018 IBC SECTION 703.7: FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL: (1) BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING, OR ATTIC SPACES; (2) BE LOCATED WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND (3) INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT WITH A MINIMUM 3/8" STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER WORDING

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KEYNOTES

LEGEND

ROOM NAME
1001 | 15,250 SF | 15 | 888
ROOM NAME
OCCUPANT LOAD
OCCUPANT LOAD FACTOR
AREA
ROOM NUMBER

1 HR RATED PARTITION
2 HR RATED PARTITION
PATH OF EGRESS TO EXIS DISCHARGE
POINT AT WHICH 2 EXIT PATHS BECOME AVAILABLE
42 EXIT DIRECTION AND NUMBER OF OCCUPANTS
MOST REMOTE POINT FOR TRAVEL DISTANCE
FIRE EXTINGUISHER CABINET W/ 75FT RADIUS CIRCLE. SEE LIFE SAFETY DETAILS AE2.XX

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198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

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NEVADA STATE PUBLIC WORKS DIVISION

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SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

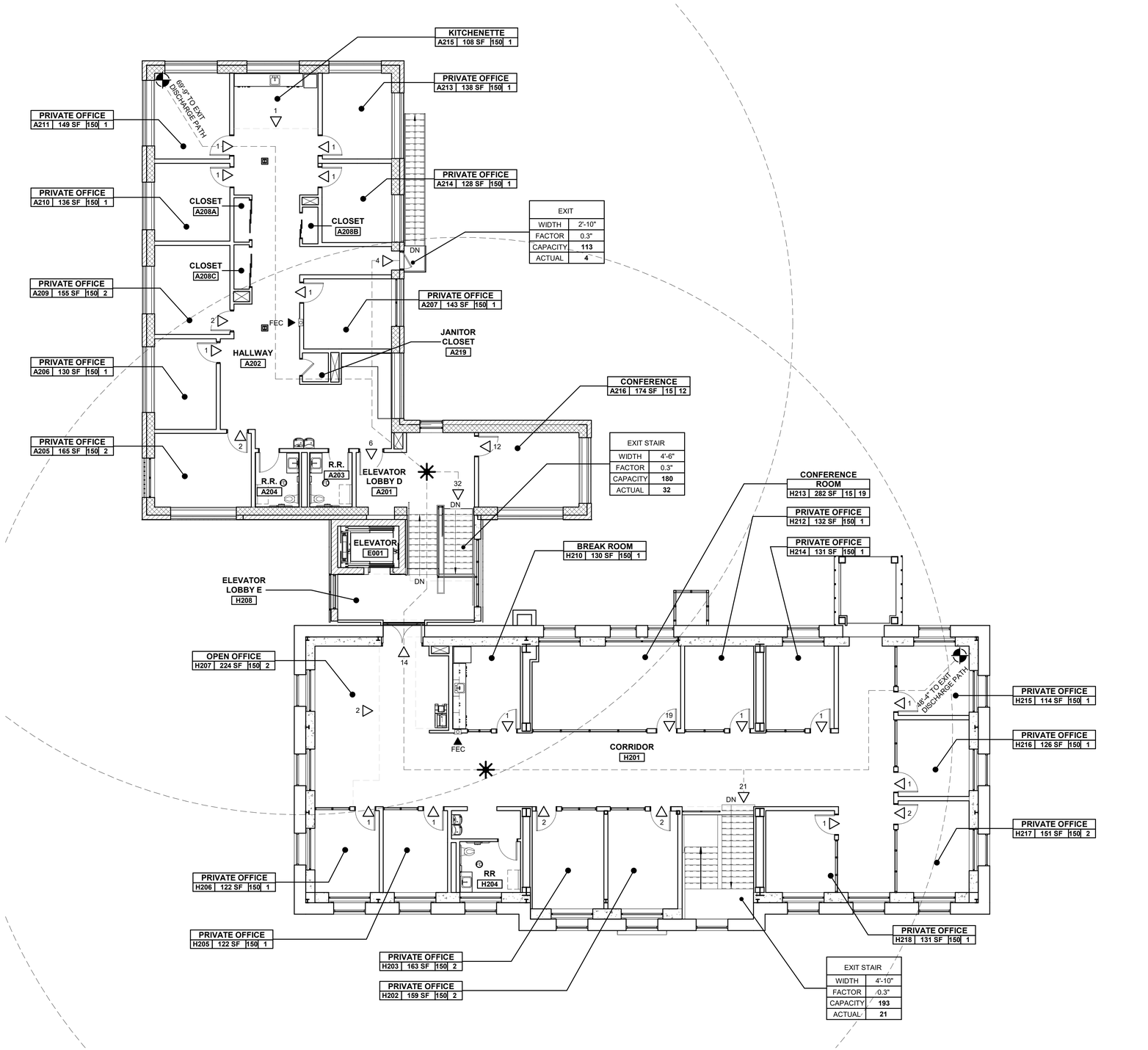
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LIFE SAFETY PLAN - LEVEL 1

Date: SEPTEMBER 23, 2022
Sheet No:
AE1.02



1 LIFE SAFETY PLAN - LEVEL 2
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1 PER 2018 IBC SECTION 703.7: FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL: (1) BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING, OR ATTIC SPACES; (2) BE LOCATED WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND (3) INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT WITH A MINIMUM 3/8" STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER WORDING

2 FOR CLARITY PURPOSES; FLOOR ADA CLEARANCES, FLOOR DRAINS, ELECTRICAL AND LOW VOLTAGE DEVICES ARE NOT SHOWN.

KEYNOTES

LEGEND

ROOM NAME | 1001 | 15,250 SF | 15 | 888
- ROOM NAME
- OCCUPANT LOAD
- OCCUPANT LOAD FACTOR
- AREA
- ROOM NUMBER

1 HR RATED PARTITION

2 HR RATED PARTITION

PATH OF EGRESS TO EXIS DISCHARGE

POINT AT WHICH 2 EXIT PATHS BECOME AVAILABLE

42 EXIT DIRECTION AND NUMBER OF OCCUPANTS

MOST REMOTE POINT FOR TRAVEL DISTANCE

FIRE EXTINGUISHER CABINET W/ 75FT RADIUS CIRCLE, SEE LIFE SAFETY DETAILS AE2.XX

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198 SOUTH CARSON ST.
CARSON CITY, NV 89701

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NEVADA STATE PUBLIC WORKS DIVISION

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SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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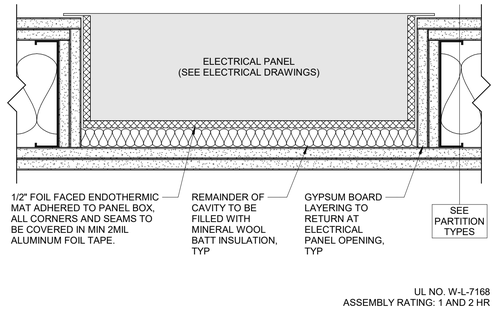
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REV	DATE	DESCRIPTION

Sheet Title
LIFE SAFETY PLAN - LEVEL 2

Date: SEPTEMBER 23, 2022

Sheet No:

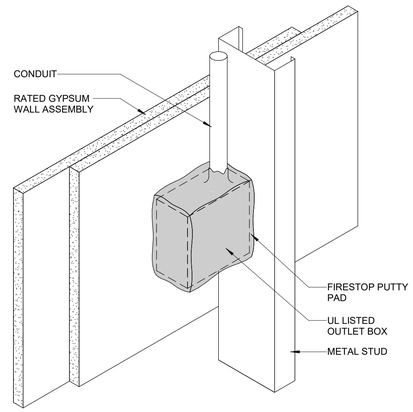
AE1.03



UL NO. W-L-7168
ASSEMBLY RATING: 1 AND 2 HR

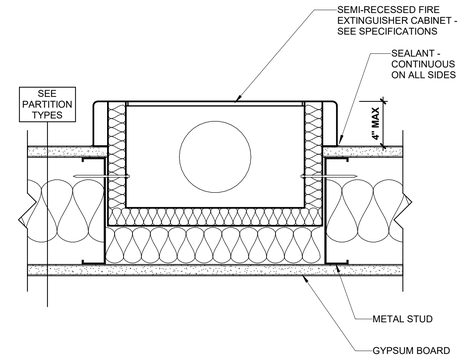
9 ELECTRICAL PANEL AT RATED WALL

SCALE: 3" = 1'-0"



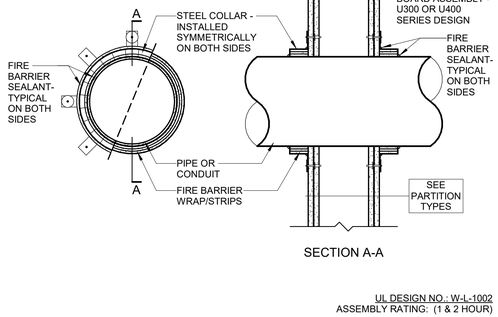
6 OUTLET BOX IN RATED WALL ASSEMBLY

SCALE: 3" = 1'-0"



3 SEMI-RECESSED FEC - METAL STUD WALL

SCALE: 3" = 1'-0"

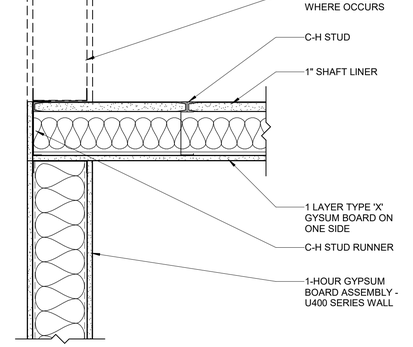


SECTION A-A

UL DESIGN NO.: W-L-1002
ASSEMBLY RATING: (1 & 2 HOUR)

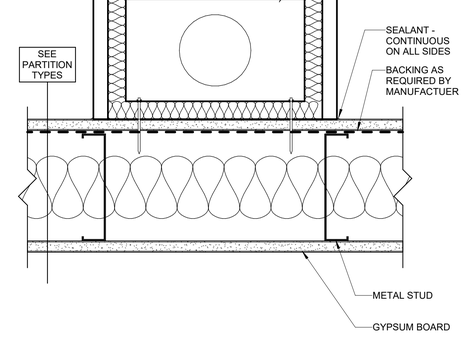
8 FIRESTOP SYSTEMS_WALL PENETRATION 1

SCALE: 1 1/2" = 1'-0"



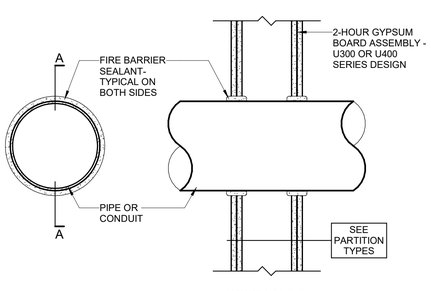
5 1-HOUR WALL TO 1-HOUR CEILING ENCLOSURE

SCALE: 1 1/2" = 1'-0"



2 SURFACE MOUNTED FEC - METAL STUD WALL

SCALE: 3" = 1'-0"

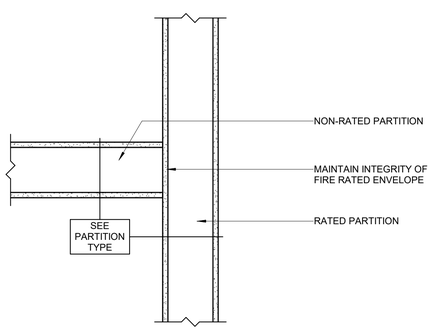


SECTION A-A

UL DESIGN NO.: W-L-1001
ASSEMBLY RATING: (1 & 2 HOUR)

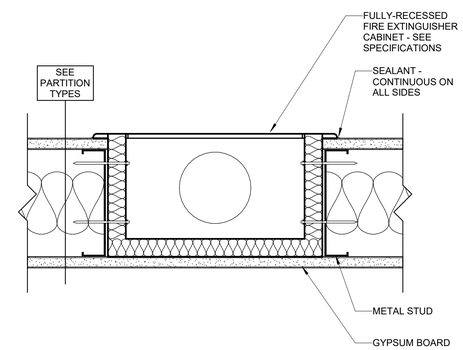
7 FIRESTOP SYSTEMS (1 & 2 HOUR WALLS)

SCALE: 1 1/2" = 1'-0"



4 TYP. RATED/NON-RATED WALL CONNECTION

SCALE: 1 1/2" = 1'-0"



1 FULLY RECESSED FEC - METAL STUD WALL

SCALE: 3" = 1'-0"

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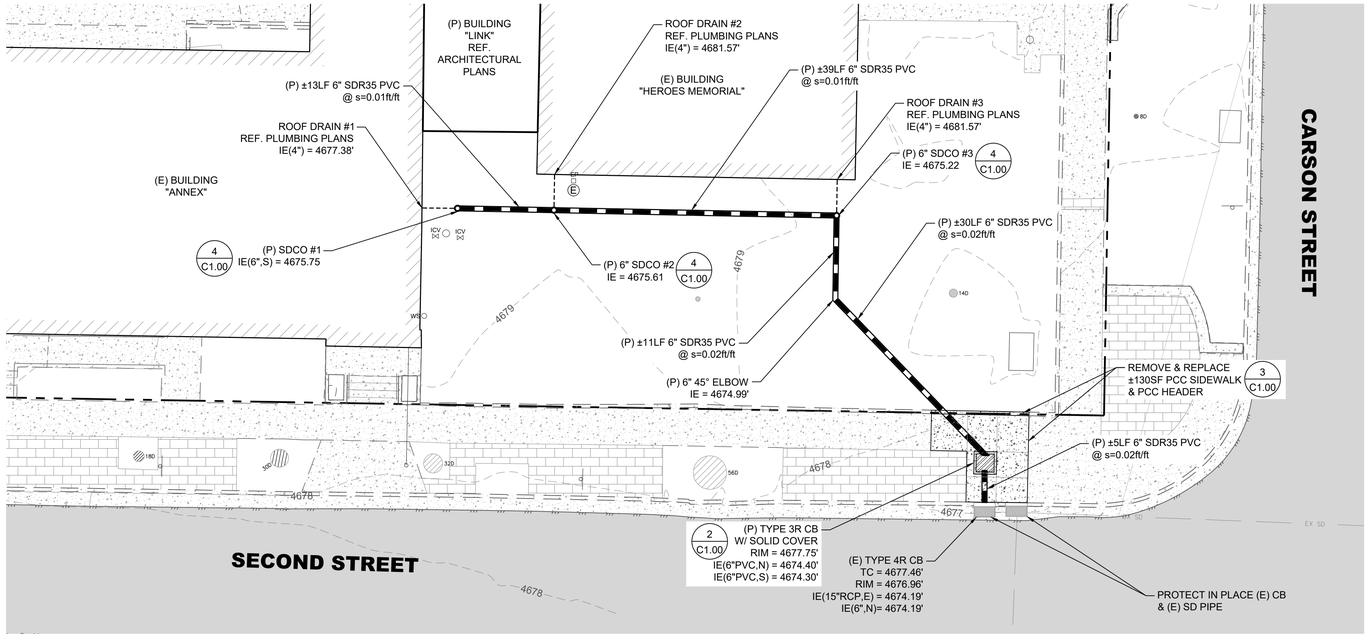
Sheet Title

LIFE SAFETY DETAILS

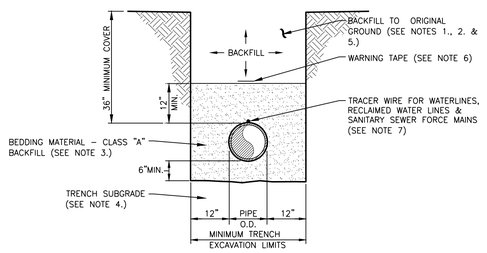
Date: SEPTEMBER 23, 2022

Sheet No:

AE2.01



PLAN VIEW ~ ROOF DRAIN INSTALLATION
SCALE: 1" = 10'

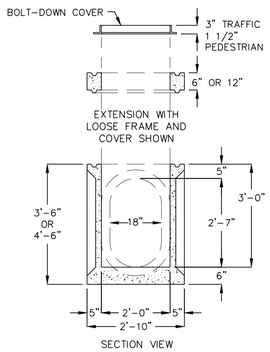


TYPICAL TRENCH SECTION
NTS

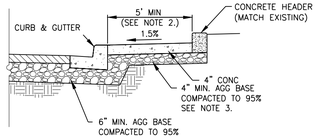
NOTES:

1. WATER DENSIFIED BACKFILL AND TUNNELING SHALL BE BY SPECIAL PROVISION ONLY.
2. BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF CLASS E BACKFILL AS SPECIFIED IN SUBSECTION 200.03.06 OF THE SSPWC. MATERIAL SHALL BE PLACED IN LIFT THICKNESS SPECIFIED IN SUBSECTION 305.10 OF THE SSPWC AND DENSIFIED TO 90% RELATIVE COMPACTION PER ASTM D1557 MODIFIED PROCTOR.
3. BEDDING SHALL CONFORM TO THE REQUIREMENTS OF CLASS A BACKFILL AS SPECIFIED IN SUBSECTION 200.03.02 OF THE SSPWC. MATERIAL SHALL BE DENSIFIED TO 90% RELATIVE COMPACTION PER ASTM D1557 MODIFIED PROCTOR.
4. FOR TRENCHES IN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL (DWG. No. C-5.1.6).
5. 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. ALL EXCAVATIONS SHALL CONFORM TO THE LATEST O.S.H.A. REQUIREMENTS.
6. PLACE WARNING TAPE 1 FOOT ABOVE ALL BURIED PIPES AND CONDUITS.
7. TRACER WIRE SHALL BE 12 GAUGE (MINIMUM THICKNESS) INSULATED SOLID COPPER WIRE. INSULATION SHALL BE 30 MIL HDPE. PLANS SHALL SPECIFY WIRE STRENGTH AND INSULATION THICKNESS FOR BORING APPLICATIONS. SPLICES SHALL BE CONNECTED BY WIRE NUTS, SEALED WITH AQUA SEAL OR SILICON FILLED, AND DOUBLE WRAPPED WITH U/L LISTED ELECTRICAL TAPE. TRACER WIRE COLOR SHALL BE, BLUE FOR WATER, PURPLE FOR RECLAIMED WATER, GREEN FOR SANITARY SEWER FORCE MAINS AND YELLOW FOR ELECTRICAL OR FIBER OPTIC.

1 C1.00 TRENCH EXCAVATION AND BACKFILL
SCALE: NTS



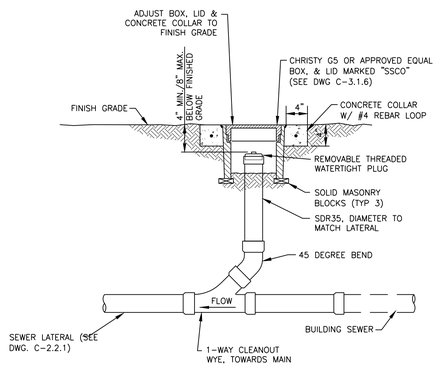
2 C1.00 DROP INLET
SCALE: NTS



NOTES:

1. ALL SIDEWALK DIMENSIONS, FINISHED GRADES, AND SECTIONS COMPOSITION/DEPTH SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
2. SIDEWALK ADJACENT TO TYPE 2 OR ROLLED CURB AND GUTTER SHALL BE CONSTRUCTED 5 INCHES THICK OF CONCRETE ON 6 INCHES OF AGGREGATE BASE COMPACTED TO 95%
3. SIDEWALK SHALL BE POURED NON-MONOLITHICALY FROM CURB AND GUTTER.
4. TRANSVERSE EXPANSION JOINTS SHALL BE PLACED PER CARSON CITY DETAIL C-5.1.1 AT GRADE BREAKS, TANGENT POINTS, ANGLE POINTS AND AT REGULAR INTERVALS NOT EXCEEDING 30 FEET, UNLESS MATCHING EXISTING CONDITIONS.

3 C1.00 SIDEWALK
SCALE: NTS

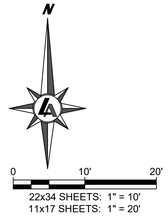


TYPICAL SECTION
NTS

NOTES:

1. CONCRETE SHALL CONFORM TO THE SSPWC SECTION 337.10.
2. LIDS SHALL BE SET FLUSH WITH FINISH GRADE UNLESS OTHERWISE NOTED.

4 C1.00 STORM DRAIN CLEANOUT
SCALE: NTS



22x34 SHEETS: 1" = 10'
11x17 SHEETS: 1" = 20'

SHEET NOTES:

1. WHERE ACTUAL DIMENSIONS AND SIZES ARE PROVIDED IN THE DRAWINGS, THEY SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THE CONTRACTOR'S EQUIPMENT, MATERIALS, PERSONNEL, AND SHALL PROVIDE ADEQUATE BARRIERS TO PREVENT RISK TO OTHERS FROM THE CONTRACTOR'S ACTIVITIES.
3. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES AND COORDINATE WITH ENGINEER IF CONDITIONS VARY.
4. ALL STORM DRAIN MATERIAL TO BE SDR35 PVC UNLESS OTHERWISE NOTED.
5. EXISTING TREES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED IN LANDSCAPING PLANS. REFERENCE LANDSCAPING PLANS FOR RESTORATION OF DISTURBED AREA.
6. ALL PROPOSED ROOF DRAIN AND STORMWATER LINES AND APPURTENANCES ARE PRIVATE UP TO EXISTING CARSON CITY TYPE 3R (24" x 24") CATCH BASIN.

LEGEND:

- EXISTING CONCRETE
- PROPOSED CONCRETE
- EXISTING PAVERS
- EXISTING CONTOURS
- PROPOSED STORM DRAIN
- PROPOSED STORM DRAIN BY OTHERS - REFERENCE PLUMBING PLANS
- PROPOSED STORM DRAIN CLEANOUT

ABBREVIATIONS:

&	AND	(P)	PROPOSED
°	DEGREE	PCC	PORTLAND CONCRETE CEMENT
ø	DIAMETER	REF.	REFERENCE
#	NUMBER	S	SOUTH
CB	CATCH BASIN	s	SLOPE
DET.	DETAIL	SD	STORM DRAIN
(E)	EXISTING	SDCO	STORM DRAIN CLEANOUT
E	EAST	SHT.	SHEET
ft	FEET/FOOT	TC	TOP OF CURB
IE	INVERT ELEVATION	W	WEST
LF	LINEAL FEET/FOOT	W/	WITH
N	NORTH		

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THE EXISTING TOPOGRAPHIC SURVEY IS NEVADA STATE PLANE COORDINATE SYSTEM, WEST ZONE NAD83(94) CARSON CITY DATUM BASED UPON REAL TIME KINEMATIC GPS OBSERVATIONS, OBSERVED 01/20/2022 USING A SURVEY GRADE DUAL FREQUENCY GPS RECEIVER FROM CONTROL POINT CC082 MODIFIED BY A COMBINED FACTOR OF 1.0002, SCALED FROM 0.00N ,0.00E AND CONVERTED TO U.S. SURVEY FEET. ALL DIMENSIONS ON THIS MAP ARE GROUND DISTANCES.

BASIS OF ELEVATIONS:

DATUM: NAVD 88
PROJECT BENCHMARK = CC082
HAVING AN ELEVATION OF 4677.12'

Know what's below.
Call before you dig.

tsk
314 South Water Street,
Suite 100
Henderson, NV 89015
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www.tska.com

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WWW.LUMOSINC.COM
INFO@LUMOSINC.COM

PLEASE RECYCLE

Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
STORM DRAIN PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
C1.00

LANDSCAPE NOTES

1. PLANT SCHEDULE COUNTS ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PLANTS AS GRAPHICALLY INDICATED ON PLAN.

2. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL LANDSCAPE WORK WITH IRRIGATION WORK SUCH THAT IRRIGATION COMPONENTS DO NOT INTERFERE WITH PLANTINGS AS INDICATED ON PLAN.

3. ALL PLANT MATERIAL SHALL BE APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO PLANTING, AND AFTER PLANTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF THE OWNER'S REPRESENTATIVE FOR PLANT MATERIAL REVIEW AND APPROVAL. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT PRIOR APPROVAL. ANY MATERIAL DEEMED NOT ACCEPTABLE SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND REPLACED WITH ACCEPTABLE MATERIAL, WITHOUT COST TO THE OWNER. THE OWNER'S REPRESENTATIVE MAY, AT ANY TIME UNTIL FINAL ACCEPTANCE, DIRECT THE CONTRACTOR TO REMOVE UNACCEPTABLE MATERIAL.

4. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SOIL TESTS OF ON-SITE TOPSOIL TO BE USED FOR LANDSCAPING. TEST RESULTS SHALL INCLUDE SOIL TYPE, HAZARDS, pH, FERTILITY, AND FERTILIZATION RECOMMENDATIONS FOR LANDSCAPE USE. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SOIL AMENDMENTS AS SPECIFIED AND AS INDICATED IN SOIL TEST RESULTS. IF THERE IS A CONFLICT, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR DETERMINATION OF AMENDMENTS AND FERTILIZATION.

5. ALL GRADES SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE AFTER IRRIGATION INSTALLATION AND FINISH GRADING, PRIOR TO ANY PLANT INSTALLATION. FAILURE TO GET APPROVAL SHALL NOT FREE THE CONTRACTOR FROM PROVIDING FINISH GRADES ACCEPTABLE TO THE OWNER'S REPRESENTATIVE, AND REPLACEMENT OF ITEMS INSTALLED PRIOR TO APPROVAL OF GRADES.

6. ALL PLANTER AREAS SHALL BE TOPDRESSED WITH SHREDDED REDWOOD BARK MULCH, COMPACTED IN PLACE, TO BE 4 INCH MIN. DEPTH AFTER COMPACTION.

7. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR 1 YEAR FROM THE END OF THE MAINTENANCE PERIOD. (SEE NOTE 27. BELOW)

8. NO TREES SHALL BE PLANTED CLOSER THAN (5) FEET TO ANY SIDEWALK, CURB, ETC. THIS REQUIREMENT SHALL TAKE PRECEDENCE OVER TREE LOCATION DEPICTED GRAPHICALLY ON THIS PLAN.
RT
9. NO TREES SHALL BE PLANTED WITHIN (5) FEET OF ANY UNDERGROUND UTILITY TRENCH OR STRUCTURE. CONTRACTOR SHALL REVIEW SITE UTILITY PLAN PRIOR TO INSTALLATION AND ADJUST TREE PLANTINGS AS REQUIRED, UPON APPROVAL OF THE LANDSCAPE ARCHITECT.

10. TREES LOCATED IN TURF AREAS SHALL BE PLANTED IN THE CENTER OF A (6) FOOT DIAMETER CIRCLE THAT IS FREE OF TURF.

LANDSCAPE SPECIFICATIONS

GENERAL

1. PLAN IS DIAGRAMMATIC ONLY. ALL LOCAL GOVERNING CODES SHALL BE MET. EXACT LOCATION OF TREES AND SHRUBS SHALL BE DETERMINED IN THE FIELD (INSTALL AS PER DETAILS) AND APPROVED BY THE OWNER'S REPRESENTATIVE.

2. A MINIMUM OF TWO WORKING DAYS BEFORE PERFORMING ANY DIGGING, CALL UNDERGROUND SERVICE ALERT FOR INFORMATION ON THE LOCATION OF NATURAL GAS LINES, ELECTRIC CABLES, TELEPHONE CABLES, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTION OF ALL UTILITIES, AND REPAIR OF ANY DAMAGE RESULTING FROM HIS WORK AT NO ADDITIONAL COST TO THE OWNER.

3. DAMAGES: CONTRACTOR SHALL PROMPTLY REPAIR ALL DAMAGES TO EXISTING SITE AT NO COST TO OWNER.

4. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES (I.E., PAVING, PLUMBING, ELECTRICAL, ETC.)

5. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION AND TO NOTIFY THE OWNER'S REPRESENTATIVE SHOULD CONDITIONS EXIST WHICH PREVENT CONSTRUCTION AS PER THESE PLANS. COMMENCEMENT OF WORK SHALL CONSTITUTE ACCEPTANCE OF CONDITIONS AND RESPONSIBILITY FOR CORRECTIONS.

6. CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR ASSUMES SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT.

PLANTING

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH GRADING THROUGHOUT ALL LANDSCAPE AREAS SUCH THAT THERE ARE NO HUMPS OR DEPRESSIONS AND POSITIVE DRAINAGE OCCURS THROUGHOUT. THE TOP 18" OF ALL PLANTING BEDS SHALL BE CLEAN NATIVE SOIL, FREE OF ALL CONSTRUCTION DEBRIS AND NATIVE ROCKS OVER 1" IN DIAMETER. THE CONTRACTOR SHALL AMEND THE PLANTING BED OR PLANTING HOLES PER PLANS AND SPECIFICATIONS. FINAL GRADE OF ALL PLANTERS (I.E. MULCH SURFACE) SHALL BE FLUSH WITH ADJACENT HARDSCAPE SURFACES.

8. THE CONTRACTOR SHALL PROVIDE SOIL TEST RESULTS FOR EXISTING SITE SOIL INCLUDING: TEXTURE CLASSIFICATION, PH, NITROGEN, POTASSIUM, PHOSPHORUS, SODIUM HAZARD, SALINITY HAZARD, AND FERTILIZATION RECOMMENDATION FOR THE INTENDED USE. CONTRACTOR SHALL FOLLOW RECOMMENDATIONS OF SOIL TEST.

9. INSTALL ALL PLANT MATERIALS AS PER DETAILS AND SOIL AND PLANT LAB REPORT. INFORMATION IN SOILS AND PLANT LAB REPORT SHALL PREVAIL OVER NOTES AND DETAILS.

10. SOIL AMENDMENT SHALL BE HUMUS COMPOSED OF TOPSOIL, BARK HUMUS, AND COMPOST. SUBMIT TO OWNER'S REPRESENTATIVE FOR APPROVAL.

11. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT MATERIAL PER SYMBOLS AND SPACING INDICATED ON PLAN. SYMBOLS PREVAIL OVER NUMBERS ON PLANT LIST. NO SUBSTITUTIONS WILL BE ACCEPTED WITHOUT EXPRESSED WRITTEN CONSENT OF THE OWNER'S REPRESENTATIVE. SEE SUBMITTALS.

12. ALL PLANTS NOT MEETING OR EXCEEDING REQUIREMENTS AND RECOMMENDATIONS OF THE LATEST EDITION OF THE ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN SHALL BE REJECTED. CONTRACTOR SHALL RECEIVE ON-SITE APPROVAL OF PLANT MATERIAL BY OWNER'S REPRESENTATIVE PRIOR TO PLANTING. FAILURE TO RECEIVE PRIOR APPROVAL MAY RESULT IN REJECTION OF PLANT MATERIAL FOLLOWING INSTALLATION. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND EVALUATE PLANT MATERIAL THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD.

13. ALL PLANTING BEDS SHALL RECEIVE MULCH AS FOLLOWS:

MULCH 'A' - PARKING LOT ISLANDS SHALL BE COMPLETELY MULCHED WITH 4" MIN. DEPTH OF BLENDED RIVER ROCK (40% 4" MINUS & 60% 1 1/2" MINUS) INSTALLED OVER LANDSCAPE FABRIC.

MULCH 'B' - ALL PLANTING BEDS ALONG THE PERIMETER OF THE BUILDING SHALL BE MULCHED WITH 4" MIN. DEPTH OF 4" MINUS RIVER ROCK INSTALLED OVER LANDSCAPE FABRIC.

MULCH 'C' - TURF SEPARATION TO RECEIVE 4" MIN. DEPTH OF 4" MINUS RIVER ROCK OVER LANDSCAPE FABRIC.

FIRE HYDRANTS - PROVIDE 4" MIN. DEPTH OF "CRUSHER FINES" MULCH AROUND FIRE HYDRANTS PER PLAN

LAHONTON COBBLE WILL NOT BE ACCEPTED AS MULCH. LANDSCAPE FABRIC TO BE 'DEWITT' PRO-5 WEED BARRIER (OAE) INSTALLED IN ACCORDANCE WITH MFG'S SPECIFICATIONS. APPLY GRANULAR PRE-EMERGENT TO ALL PLANTING BEDS PER MFG'S SPECIFICATIONS.

DIGITAL PHOTOS OF ALL MULCH SAMPLES SHALL BE SUBMITTED TO OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL MIN. 48 HOURS PRIOR TO START OF ANY LANDSCAPE OR IRRIGATION WORK. IF UNACCEPTABLE MULCH IS INSTALLED WITHOUT APPROVAL IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT THE ISSUES AT HIS EXPENSE.

SOD

13. LOOSEN SUBGRADE OF LAWN AREAS TO A MINIMUM DEPTH OF 6 INCHES. REMOVE STONES MEASURING OVER 1 INCH IN ANY DIMENSION. REMOVE STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER. LIMIT PREPARATION TO AREAS WHICH WILL BE PLANTED PROMPTLY AFTER PREPARATION.

14. SOIL AMENDMENTS:
SPREAD 4 TO 6 INCHES OF LIGHTLY COMPACTED WESTERN TURF TRIPLE MIX (OAE) ON TOP OF EXISTING SOIL. DO NOT MIX INTO EXISTING SOIL. SOD AND AMENDMENTS ARE AVAILABLE FROM WESTERN TURF IN RENO NV, (775) 356-8873

EDGE DRAINS/SITE DRAINAGE

21. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A COPY OF THE PROJECT GEOTECHNICAL REPORT. CONTRACTOR WILL INCORPORATE ALL SITE DRAINAGE AND PLANT PLACEMENT RECOMMENDATIONS PER THAT REPORT.

OBSERVATIONS/APPROVALS/SUBMITTALS

22. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING OWNER'S REPRESENTATIVE, A MINIMUM OF 48 HOURS IN ADVANCE, FOR THE FOLLOWING SITE OBSERVATIONS AND/OR MEETINGS:

A. PRE-CONSTRUCTION MEETING WITH ALL PARTIES
B. PLANT MATERIAL ON SITE, PRIOR TO INSTALLATION
C. PLANT LOCATIONS STAKED OUT, PRIOR TO PLANTING
D. OPEN TRENCH, MAINLINE (WITH VALVES ATTACHED) PRESSURE TEST
E. IRRIGATION COVERAGE TEST
F. FINAL PROJECT WALK-THROUGH
G. ADDITIONAL SITE OBSERVATIONS AS DEEMED NECESSARY BY THE OWNER'S REPRESENTATIVE.

23. SUBMIT AMENDMENT AND MULCH SAMPLES TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION. FAILURE TO COMPLY MAY RESULT IN REJECTION OF MULCH OR AMENDMENT PRIOR TO OR FOLLOWING INSTALLATION.

24. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROVIDE PLANT MATERIAL AS SPECIFIED ON THIS PLAN. THE CONTRACTOR MAY SUBMIT A REQUEST TO PROVIDE SUBSTITUTIONS FOR THE SPECIFIED PLANT MATERIAL UNDER THE FOLLOWING CONDITIONS:

A. ANY SUBSTITUTIONS PROPOSED SHALL BE SUBMITTED TO THE PROJECT OWNER'S REPRESENTATIVE WITHIN TWO WEEKS OF THE AWARD OF CONTRACT. SUBSTITUTIONS MUST MEET EQUIVALENT DESIGN AND FUNCTIONAL GOALS OF THE ORIGINAL MATERIALS AS DETERMINED BY THE OWNER'S REPRESENTATIVE. ANY CHANGES MUST HAVE THE APPROVAL OF THE OWNER'S REPRESENTATIVE.

B. THE REQUEST WILL BE ACCOMPANIED BY AT LEAST THREE NOTICES FROM PLANT MATERIAL SUPPLIERS THAT THE PLANT MATERIAL SPECIFIED IS NOT AVAILABLE AND WILL NOT BE AVAILABLE PRIOR TO CONSTRUCTION.

25. SUBMIT REQUIRED SOIL REPORT, AND SAMPLE OF PROPOSED SOIL AMENDMENTS TO OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

26. RECORD (AS-BUILT) DRAWINGS: FOLLOWING COMPLETION OF PROJECT INSTALLATION, AND PRIOR TO FINAL APPROVAL, CONTRACTOR SHALL PREPARE AND SUBMIT RECORD DRAWINGS DEPICTING A COMPLETE LANDSCAPE AND IRRIGATION INSTALLATION. PROCURE FROM OWNER DIGITAL COPIES OF CONTRACT DRAWINGS. CONSTRUCTION DRAWINGS SHALL BE ON THE PROJECT SITE AT ALL TIMES DURING INSTALLATION. CONTRACTOR SHALL MAKE A DAILY RECORD OF ALL WORK INSTALLED DURING EACH DAY. ACTUAL LOCATION OF TREES AND SHRUB BEDS, IRRIGATION VALVES, AND ALL IRRIGATION AND DRAINAGE PIPING SHALL BE SHOWN ON THE PRINTS BY DIMENSIONS FROM EASILY IDENTIFIED PERMANENT FEATURES, SUCH AS BUILDING, CURBS, FENCES, WALKS, OR PROPERTY LINES. DRAWINGS SHALL SHOW MANUFACTURER'S NAME AND CATALOG NUMBER. THE DRAWINGS SHALL BE TO SCALE. ALL INFORMATION NOTED ON THE PRINT SHALL BE TRANSFERRED TO THE COPIES BY CONTRACTOR AND ALL INDICATIONS SHALL BE RECORDED IN A NEAT, ORDERLY WAY. THE RECORD COPIES SHALL BE TURNED OVER TO THE OWNER'S REPRESENTATIVE.

GUARANTEES/WARRANTY

27. ALL PLANTED AREAS SHALL BE MAINTAINED FOR A PERIOD OF SIXTY DAYS FOLLOWING WRITTEN ACCEPTANCE BY OWNER'S REPRESENTATIVE. LANDSCAPE CONTRACTOR WILL GUARANTEE ALL PLANT MATERIAL (INCLUDING BUT NOT LIMITED TO TREES, SHRUBS, GROUNDCOVER, AND GRASSES) FOR A PERIOD OF ONE FULL YEAR FOLLOWING FINAL ACCEPTANCE OF THE LANDSCAPE INSTALLATION BY THE OWNER'S AUTHORIZED REPRESENTATIVE. IN BIDDING AND INSTALLING THE PLANT MATERIAL SPECIFIED ON THESE PLANS, THE LANDSCAPE CONTRACTOR AGREES THAT THE PLANT MATERIAL SPECIFIED IS SUITABLE TO THE PROJECT SITE. FURTHERMORE, THE LANDSCAPE CONTRACTOR AGREES TO HONOR THE WARRANTY AND, IF NECESSARY, REPLACE SPECIES WITH A MORE HARDY PLANT TYPE IF DEEMED NECESSARY DUE TO EXCESSIVE DIE OUT. IF THE LANDSCAPE CONTRACTOR DOES NOT BELIEVE CERTAIN PLANT MATERIAL IS SUITABLE FOR THE SITE AND/OR ITS MICRO-CLIMATES, THE LANDSCAPE CONTRACTOR SHALL REQUEST TO MAKE PLANT MATERIAL SUBSTITUTIONS IN WRITING TO THE LANDSCAPE ARCHITECT PRIOR TO THE START OF INSTALLATION. PROPOSED SUBSTITUTIONS WILL RESULT IN NO ADDED COST.

IRRIGATION SPECIFICATIONS

GENERAL

1. PLAN IS DIAGRAMMATIC ONLY. FINAL LOCATION OF LINES AND HEADS SHALL BE DETERMINED IN THE FIELD AND APPROVED BY THE OWNER'S REPRESENTATIVE. LINES SHALL BE IN A COMMON TRENCH WHEREVER POSSIBLE. THE POINT-OF-CONNECTION SHALL BE AS INDICATED ON THE PLAN.

2. THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AND ENSURE THAT ALL LOCAL CODES ARE MET.

3. THE CONTRACTOR SHALL APPLY AND PAY FOR ALL PERMITS REQUIRED FOR INSTALLATION OF THE IRRIGATION SYSTEM AS DEPICTED ON THESE PLANS.

4. CONTRACTOR SHALL VERIFY AVAILABLE FLOW AND PRESSURE DOWNSTREAM FROM THE POINT-OF-CONNECTION PRIOR TO SYSTEM INSTALLATION. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IF AVAILABLE FLOW IS LESS THAN REQUIRED TO RUN THE LARGEST ZONE. CONTRACTOR SHALL NOT PROCEED ANY FURTHER WITH INSTALLATION OF THE SYSTEM UNTIL NECESSARY DESIGN REVISIONS HAVE BEEN DETERMINED BY OWNER'S REPRESENTATIVE.

5. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR DIFFERENCES IN DIMENSIONS EXIST THAT MIGHT HAVE BEEN UNKNOWN DURING ENGINEERING. SUCH OBSTRUCTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY AT NO ADDITIONAL COST TO OWNER.

6. ALL SPRINKLER EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.

7. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL SPRINKLER MATERIALS, INCLUDING PIPE, WITH THE LANDSCAPE DRAWINGS TO AVOID INTERFERING WITH THE PLANTING OF TREES, SHRUBS, OR OTHER PLANTINGS.

8. ALL VALVES ARE TO BE LOCATED IN PLANTING AREAS WHEREVER POSSIBLE.

9. ALL ELECTRICAL WIRE FROM CONTROLLER TO VALVES SHALL BE 12 GAUGE UL DIRECT BURIAL OR LARGER AS REQUIRED BY LENGTH PER MANUFACTURER'S SPECIFICATIONS.

10. BACKFILL FOR TRENCHING SHALL BE COMPACTED TO A DRY DENSITY EQUAL TO THE UNDISTURBED ADJACENT SOIL AND SHALL CONFORM TO ADJACENT GRADES WITHOUT DIPS, HUMPS, OR OTHER IRREGULARITIES.

11. A MINIMUM OF TWO WORKING DAYS PRIOR TO PERFORMING ANY DIGGING, CALL UNDERGROUND SERVICE ALERT FOR INFORMATION ON THE LOCATION OF NATURAL GAS LINES, ELECTRICAL CABLES, TELEPHONE CABLES, ETC.

12. CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.

13. INSTALL ALL PIPE AND CONTROL WIRES IN LANDSCAPE BEDS AND IN COMMON TRENCHES WHEREVER POSSIBLE.

14. INSTALL ALL PIPE AND CONTROL WIRE, WHICH RUNS UNDER PAVING, WITHIN SCH. 40 PVC SLEEVES 4" DIA. MINIMUM SIZE AS REQUIRED TO ALLOW INSTALLATION WITHOUT BINDING. PROVIDE (1) SLEEVE PER PIPE. PROVIDE SEPARATE SLEEVES FOR CONTROL WIRE.

15. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE FOR COMPLETE DRAINAGE OF THE MAINLINES BY INSTALLING MANUAL DRAINS AS INDICATED ON PLAN AND AT ALL SYSTEM LOW POINTS.

FLUSHING AND TESTING

16. PIPING SHALL BE COMPLETELY FLUSHED OF FOREIGN PARTICLES BEFORE ATTACHING IRRIGATION COMPONENTS AND DRAIN VALVES.

17. AFTER FLUSHING, AND WHEN ALL VALVES AND QUICK COUPLERS ARE IN PLACE, ALL MAIN SUPPLY LINES SHALL BE TESTED AT 100 POUNDS PER SQUARE INCH (100 PSI) WITH VALVES CLOSED. MAINTAIN PRESSURE FOR A PERIOD OF NOT LESS THAN (4) CONSECUTIVE HOURS. ALL JOINTS SHOWING LEAKS SHALL BE CLEANED, REMADE, AND TESTED.

18. AFTER FLUSHING, LATERAL PIPES SHALL BE TESTED WITH RISERS CAPPED AND DRAIN VALVES CLOSED. THE TEST SHALL BE MADE AT MAXIMUM OPERATING PRESSURE FOR A PERIOD OF NOT LESS THAN (1) HOUR. ALL JOINTS SHOWING LEAKS SHALL BE CLEANED, REMADE, AND TESTED. ALL TESTING SHALL BE DONE IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE PRIOR TO BACKFILLING OVER PIPING.

19. OPERATIONAL TESTING: PERFORM OPERATIONAL TESTING AFTER HYDROSTATIC TESTING IS COMPLETED. DEMONSTRATE TO THE OWNER'S REPRESENTATIVE THAT THE SYSTEM MEETS COVERAGE REQUIREMENTS (100%) AND THAT AUTOMATIC CONTROLS FUNCTION PROPERLY.

20. AFTER COMPLETION OF GRADING AND SOD PLACEMENT, CAREFULLY ADJUST SPRINKLER HEADS TO MEET HEIGHT INDICATED ON DRAWINGS.

SUBMITTALS

21. MATERIALS LIST: WITHIN (15) DAYS AFTER AWARD OF CONTRACT, SUBMIT TO OWNER'S REPRESENTATIVE (3) COPIES OF A COMPLETE MATERIAL LIST (PARTIAL LIST NOT ACCEPTABLE) OF ALL MATERIALS TO BE USED ON THE PROJECT, SPECIFYING MANUFACTURER, GRADE, TRADE NAME, CATALOG NUMBER, SIZE, ETC. THIS SHALL IN NO WAY BE CONSTRUED AS ALLOWING A SUBSTITUTION FOR ANY ITEM SPECIFIED ON THE PLANS. EQUIPMENT OR MATERIALS INSTALLED OR FURNISHED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE MAY BE REJECTED AND THE CONTRACTOR REQUIRED TO REMOVE THE MATERIALS AT HIS OWN EXPENSE.

INSTALLATION AND PERFORMANCE OF APPROVED SUBSTITUTIONS ARE THE CONTRACTORS RESPONSIBILITY. ANY CHANGES REQUIRED FOR INSTALLATION OF ANY APPROVED SUBSTITUTION MUST BE MADE TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE WITHOUT ADDITIONAL COST TO OWNER.

22. PRIOR TO SYSTEM INSTALLATION CONTRACTOR SHALL VERIFY AND SUBMIT TO OWNER'S REPRESENTATIVE IN WRITING, AVAILABLE FLOW AND PRESSURE AT POINT-OF-CONNECTION AS DESCRIBED IN SPECIFICATION #4 ABOVE.

23. COMPLETE WARRANTY CARDS FOR AUTOMATIC CONTROLLER AND OTHER IRRIGATION MATERIAL (CONTROLLER KEYS, ETC.) SHALL BE DELIVERED TO OWNER.

24. CONTRACTOR SHALL PREPARE AND ISSUE TO THE OWNER (AT COMPLETION OF THE INSTALLATION) AN ANNUAL CHART INDICATING LOCATION, OPERATING DATES, CYCLES, AND TIME FOR EACH ZONE.

25. ASBUILT IRRIGATION DRAWINGS: CONTRACTOR SHALL FURNISH ASBUILTS OF THE COMPLETE IRRIGATION SYSTEM. PROCURE FROM OWNER'S REPRESENTATIVE DIGITAL COPIES OF CONTRACT DRAWINGS. CONSTRUCTION DRAWINGS SHALL BE ON THE CONSTRUCTION SITE AT ALL TIMES WHILE THE IRRIGATION SYSTEM IS BEING INSTALLED. CONTRACTOR SHALL MAKE A DAILY RECORD OF ALL WORK INSTALLED DURING EACH DAY. ACTUAL LOCATION OF VALVES AND ALL IRRIGATION AND DRAINAGE PIPING SHALL BE SHOWN ON THE PRINTS BY DIMENSIONS FROM EASILY IDENTIFIED PERMANENT FEATURES, SUCH AS BUILDINGS, CURBS, FENCES, WALKS OR PROPERTY LINES. DRAWINGS SHALL SHOW APPROVED MANUFACTURER'S NAME AND CATALOG NUMBER. THE DRAWINGS SHALL BE TO SCALE AND ALL INDICATIONS SHALL BE NEAT. ALL INFORMATION NOTED ON THE PRINT SHALL BE TRANSFERRED TO THE COPIES BY CONTRACTOR AND ALL INDICATIONS SHALL BE RECORDED IN A NEAT, ORDERLY WAY. THE RECORD COPIES SHALL BE TURNED OVER TO THE OWNER'S REPRESENTATIVE AT OR BEFORE FINAL ACCEPTANCE/APPROVAL OF THE PROJECT.

GUARANTEE/FINAL ACCEPTANCE

26. CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE THE IRRIGATION SYSTEM FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. MANUFACTURER WARRANTIES SHALL ONLY EXCEED THIS GUARANTEE AND CONTRACTOR SHALL BE LIABLE FOR REPAIRS/REPLACEMENT OF FAILED MATERIAL/WORKMANSHIP.

MAINTENANCE

27. AFTER SYSTEM IS INSTALLED AND APPROVED, INSTRUCT OWNER'S DESIGNATED PERSONNEL IN COMPLETE OPERATION AND MAINTENANCE PROCEDURES. DRAIN ENTIRE SYSTEM AT END OF FIRST WATERING SEASON FOLLOWING INSTALLATION. TRAIN OWNER'S DESIGNATED PERSONNEL BY HAVING THEM ASSIST IN WINTERIZING PROCEDURE.

LANDSCAPE DATA

SITE AREA: 44,867 SF (1.03 AC)
BUILDING AREA: 19,700 SF
SITE AREA EXCLUDING BUILDING: 25,167 SF
STREET FRONTAGE: 750 LIN. FT.

JURISDICTION: CARSON CITY
APN: 003-21-802

ZONING: PUBLIC FACILITY (P)

LANDSCAPE AREA REQUIRED: 5,033 SF
(20% OF SITE AREA EXCLUDING BLDG.)

LANDSCAPE AREA PROVIDED: 14,882 SF
(9,523 SF ON SITE)
(5,354 SF IN R.O.W.)

TREES REQUIRED: 17
(1 PER 10 PARKING SPACES = 0)
(1 PER 40 LINEAL FEET OF STREET FRONTAGE = 19)
- INCLUDED IN REQUIRED, PER 3.7.1.2
(1 PER 600 SQUARE FEET OF REMAINING REQ'D LANDSCAPE)

TREES PROVIDED: 26 (EXISTING, VARIOUS SIZES)

SHEET LEGEND

L1.00 - Landscape Cover Sheet Notes & Specifications

L1.01 - Landscape Plan

L2.01 - Irrigation Plan

L3.00 - Landscape & Irrigation Details

L3.01 - Landscape & Irrigation Details

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

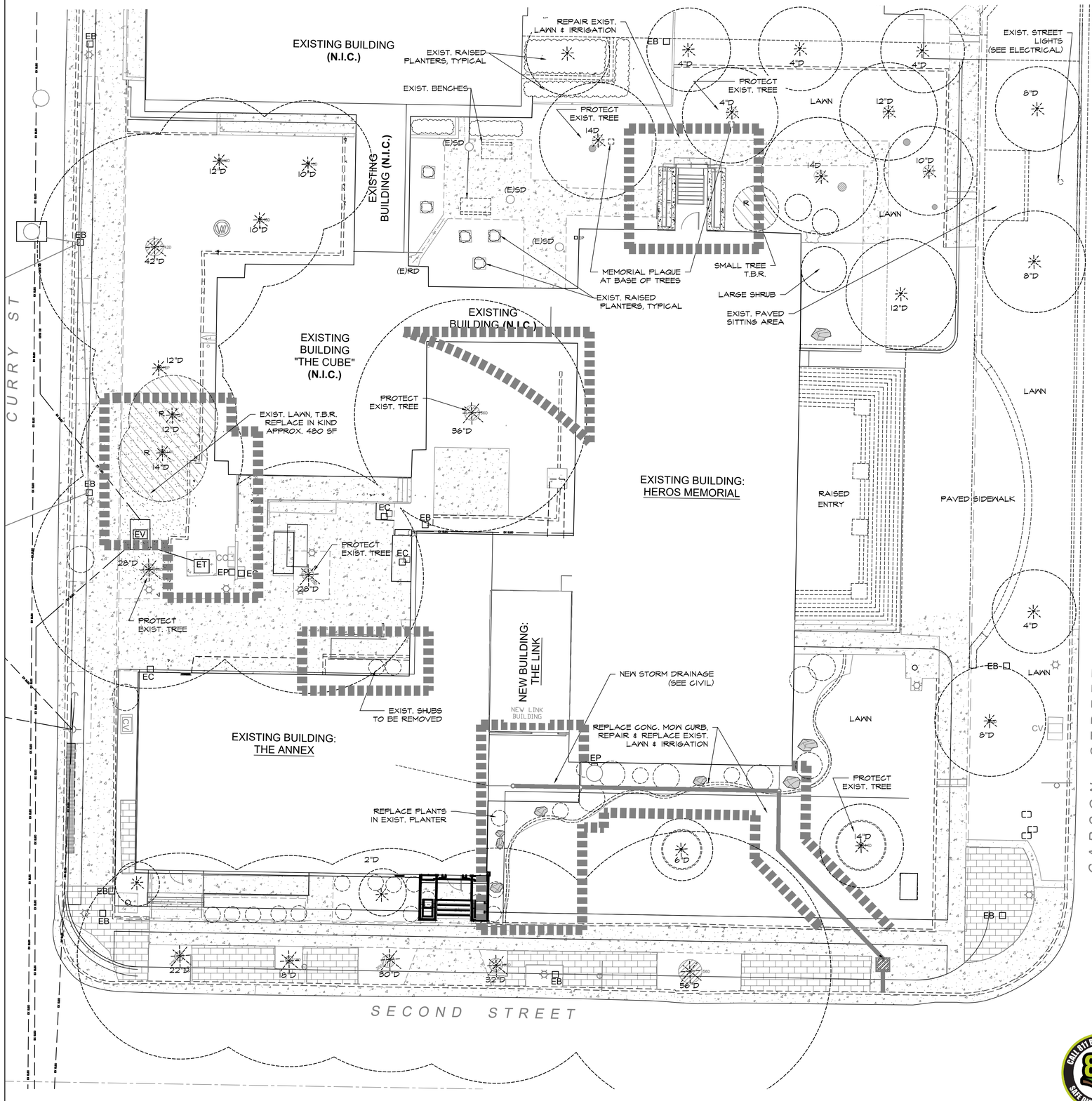
Sheet Title

Landscape Cover Notes & Specifications

Date: SEPTEMBER 23, 2022

Sheet No:

L1.00



LANDSCAPE DEMOLITION LEGEND

DESCRIPTION

LIMITS OF CONSTRUCTION
PER ARCH / CIVIL

EXISTING TREES TO REMAIN
PRESERVE & PROTECT TREES TO REMAIN FROM CONSTRUCTION DAMAGES PER DETAILS, L3.01. ANY CONFLICTS OF TREES TO REMAIN WITH CONSTRUCTION ACTIVITIES INCLUDING TRENCHWORK THAT MAY REQUIRE REMOVAL SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE.

EXISTING TREES TO BE REMOVED
REMOVE & DISCARD TREES INCLUDING STUMP EXTRACTION OFF-SITE. BEFORE PERFORMING STUMP EXTRACTION & WHERE ROOTS MAY BE ENTANGLED WITH TREES THAT ARE TO REMAIN, SEVERE STUMP ROOTS. REMOVAL SHALL INCLUDE GRINDING OF THE STUMP & ROOTS TO A MINIMUM DEPTH OF 24 INCHES (EXPOSE SOIL BELOW REMOVED TREE STUMP TO ALLOW FOR DRAINAGE). PROVIDE NATIVE SOIL AS NEEDED TO FILL REMOVED TREE HOLES.

GENERAL NOTE:
EXISTING TREE LOCATIONS SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TREE LOCATIONS.

DEMOLITION NOTE:
PRIOR TO COMMENCEMENT OF DEMOLITION WORK AND AFTER MARKING CONSTRUCTION LIMITS IN FIELD, CONTRACTOR SHALL COORDINATE WITH OWNER REPRESENTATIVE & GROUNDSKEEPER TO VERIFY EXTENT OF IRRIGATION SYSTEM TO BE DEMOLISHED, MODIFIED, AND/OR TO REMAIN. FIELD TESTING OF EXISTING IRRIGATION MAY BE REQUIRED TO IDENTIFY BOUNDARY OF IRRIGATION AREA OF EACH EXISTING VALVES AND STATIONS.

CONTRACTOR TO COORDINATE WITH OWNER REPRESENTATIVE & GROUNDSKEEPER TO DETERMINE IRRIGATION COMPONENTS INCLUDING BUT NOT LIMITED TO VALVE BOXES, VALVES, SPRINKLER HEADS TO BE SALVAGED FROM DEMOLITION AREA. REMOVE AND DISCARD OFF SITE PROPERLY ALL UNSALVAGED EXPOSED & ABOVE GRADE EXISTING IRRIGATION COMPONENTS.

PROVIDE NEW IRRIGATION SPRAY & DRIP IRRIGATION TO ALL NEW AND EXISTING PLANT MATERIALS PER IRRIGATION PLAN.

LANDSCAPE PLANTING IEGEND

SYMBOL	QNT.	BOTANICAL NAME/COMMON NAME	MIN. SIZE
		DECIDUOUS TREES	
	--	QUERCUS MACROCARPA/BURR OAK	2" CAL.
	--	QUERCUS COCCINEA/SCARLET OAK	2" CAL.
		NARROWER/COLUMNAR TREES	
	--	ACER RUBRUM 'BOWHALL'/BOWHALL MAPLE	2" CAL.
		SHRUBS & ORNAMENTAL GRASSES	
B	--	BERBERIS THUNBERGII 'ATROPURPUREA'/RED-LEAF BARBERRY	5 GAL.
C	--	COTONEASTER MICROPHYLLUS/EVERGREEN COTONEASTER	
P	--	PINUS MUGO MUGO / MUGHO PINE	5 GAL.
S	--	SPIRAEA X BUMALDA 'MONHUB'/LIMEMOUND SPIRAEA	5 GAL.
I	--	CORNUS SERICEA 'ISANTI'/ISANTI RED-OSIER DOGWOOD	5 GAL.
H	--	HELICTOTRICHON SEMPERVIRENS/BLUE OAT GRASS	5 GAL.
D	--	PRUNUS CISTENA/DWARF PURPLE-LEAF PLUM	5 GAL.
	--	LAVENDULA ANGUSTIFOLIA/LAVENDER	1 GAL.

MULCHES

FRACTURED ROCK MULCH - OXBORROW 'PINK MOUNTAIN' 1-1/2" MINUS x 4" DEEP, MIN. OR APPROVED EQUIVALENT INSTALL ON TOP OF DENITT PRO-5 WEED BARRIER

BARK MULCH TOP-DRESSING IN PLANTERS 4" DEEP, MIN.

RIVER ROCK- OXBORROW 'PAIUTE' 1-1/2" MINUS x 4" DEEP, MIN. OR APPROVED EQUIVALENT INSTALL ON TOP OF DENITT PRO-5 WEED BARRIER

LANDSCAPE BOULDERS (OPTIONAL BY OWNER) RANDOMLY PLACE BOULDERS THROUGHOUT THE DRY CREEK AS INDICATED PER PLAN. INSTALL PER DETAIL SHEET L3.00. SIZE TO VARY, 24" DIA. MIN.

8 +/-

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CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

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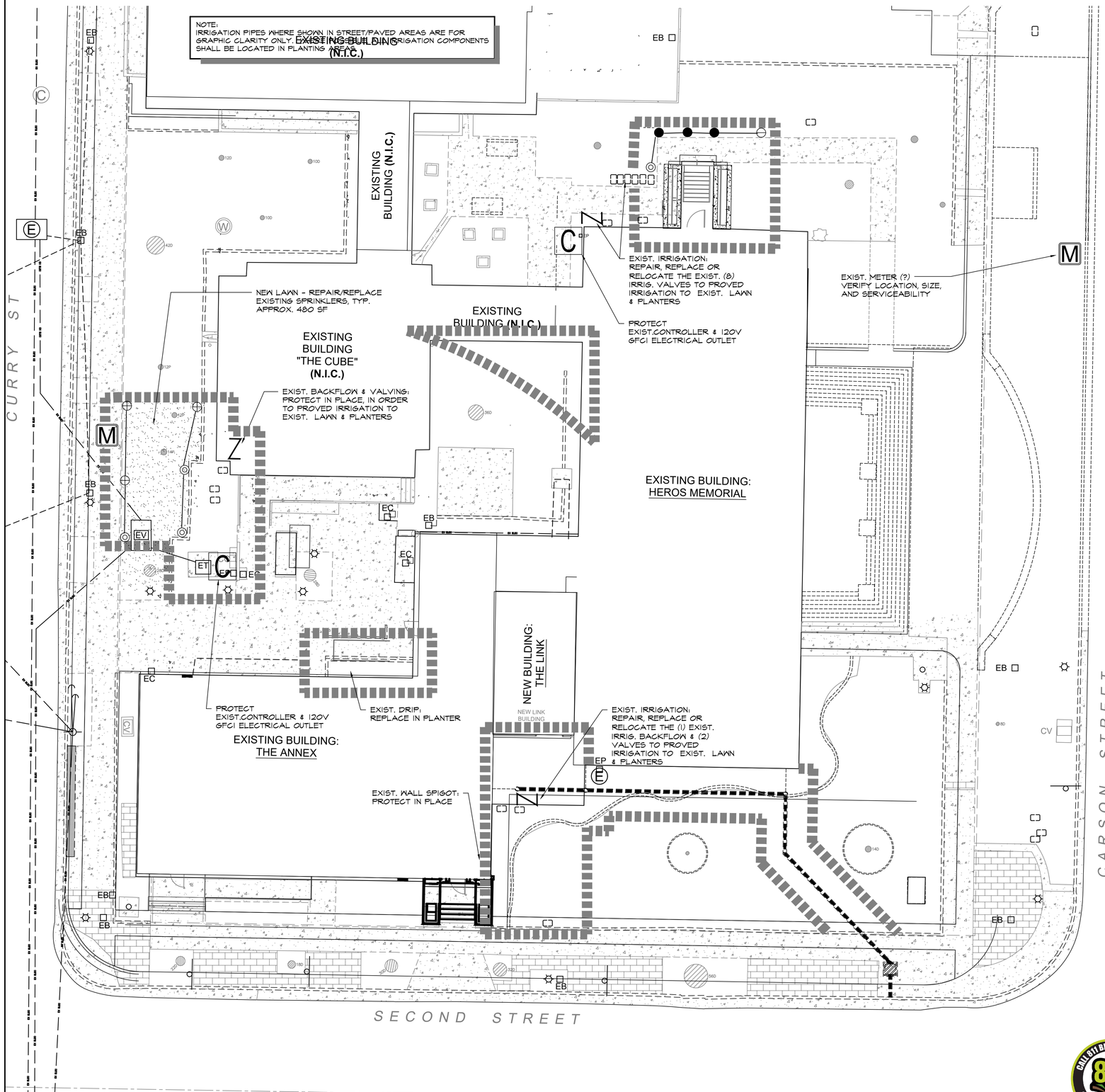
Sheet Title

Landscape Plan

Date: SEPTEMBER 1, 2022

Sheet No:

L1.01



IRRIGATION LEGEND

- C — IRRIGATION CONTROL CLOCK(S): EXISTING STD. CONTROLLER VERIFY SIZE AND LOCATION WITH OWNER PRIOR TO THE START OF CONSTRUCTION.
- M — WATER METER, EXISTING: VERIFY SIZE AND LOCATION PER CIVIL DWGS OR UNIVERSITY UTILITY ATLAS.
- Z — BACKFLOW PREVENTER, EXISTING: VERIFY SIZE AND LOCATION
- DRIP VALVE ASSEMBLY: EXISTING 1" VALVES WITH 2-WIRE SOLENOID & BASKET FILTERS. CONTRACTOR VERIFY FUNCTIONALITY AND MODIFY, CONVERT, OR ABANDON EXISTING ZONES AS NECESSARY.
- QUICK COUPLER: EXISTING. CONTRACTOR TO FIELD-VERIFY LOCATIONS.
- # SIZE 1530 GPM — VALVE I.D.: STATION #, VALVE SIZE, AND APPROX. G.P.M.
- MAINLINE: EXISTING. GENERAL CONTRACTOR TO PROTECT DURING UTILITY INSTALLATIONS, AND REPLACE IF DAMAGED OR COMPROMISED.
- LATERAL PIPES: SCH. 40 PVC LATERAL - SIZE PER CHART. INSTALL AT 18" MINIMUM DEPTH.
- DRIP DISTRIBUTION TUBING: 3/4" RAIN BIRD XBS-BLACK STRIPE TUBING IRRIGATION TUBING WITH RAIN BIRD MDCFCAP REMOVABLE FLUSH CAP.
- IRRIGATION SLEEVES:
  MAINLINE SLEEVE SIZES WILL BE AS FOLLOWS:
  - UP TO 2 INCH MAINLINE = 4 INCH SLEEVE
  - 3 INCH UP TO 4 INCH MAINLINE = 6 INCH SLEEVE

SLEEVE REQUIREMENTS

- ALL SLEEVES UNDER STREETS AND PARKING LOTS SHALL BE SCH. 40 MIN.
- SLEEVES FOR DRIP TUBING UNDER SIDWALKS MAY BE 2 INCH MIN. SCH. 40.
- PROVIDE ONE SLEEVE PER PIPE AND ONE SLEEVE FOR WIRING.
- SLEEVES ARE SHOWN ON PLAN TO SHOW INTENT ONLY. CONTRACTOR TO ASSUME NO EXISTING SLEEVING, AND TO PROVIDE AS NECESSARY
- CONTRACTOR SHALL FIELD LOCATE SLEEVING AS REQUIRED.

EMITTER SCHEDULE

DECIDUOUS TREES:	(4) RAIN BIRD XERI-BUG 2 GPH PRESSURE COMPENSATING EMITTERS
EVERGREEN TREES:	(4) RAIN BIRD XERI-BUG 2 GPH PRESSURE COMPENSATING EMITTERS
#5 & #1 SHRUBS:	(2) RAIN BIRD XERI-BUG 1 GPH PRESSURE COMPENSATING EMITTERS

LANDSCAPE CONTRACTOR SHALL MONITOR TREE HEALTH AND ADJUST NUMBER OF EMITTERS AS NEEDED TO MAINTAIN ADEQUATE MOISTURE CONDITIONS DURING ESTABLISHMENT.

SPRINKLER HEADS

CONTRACTOR SHALL SELECT SPECIFIC ARC AND NOZZLE AS REQUIRED FOR OPTIMUM SPRAY COVERAGE.

SYM	SPRINKLER HEAD DESCRIPTION
⊕	RAIN BIRD 1804-15MPR, 15' Rad. @ 30 PSI (F=3.7, H=1.85, Q=0.92)
◎	RAIN BIRD 1804-12MPR, 12' Rad. @ 30 PSI (F=2.6, H=1.3, Q=0.65)
⊖	RAIN BIRD 1804-10MPR, 10' Rad. @ 30 PSI (F=1.58, H=0.79, Q=0.50)
◉	RAIN BIRD 1804-8MPR, 8' Rad. @ 30 PSI (F=1.05, H=0.52, Q=0.50)
●	RAIN BIRD 1804-5MPR, 5' Rad. @ 30 PSI (F=0.41, H=0.20, Q=0.10)

DESIGN PRESSURE NOTE:

ASSUMED AVAILABLE WATER PRESSURE AT P.O.C. IS 65 PSI. ASSUMED FLOW IS 12 GPM @ 5 FPS. CONTRACTOR TO VERIFY PRIOR TO SYSTEM INSTALLATION. FUTURE PRESSURES MAY VARY DUE TO NEW DEVELOPMENT AND/OR OTHER UNFORESEEN CIRCUMSTANCES. LANDSCAPE ARCHITECT SHALL BEAR NO RESPONSIBILITY FOR FUTURE DEVIATIONS IN PRESSURE AND ANY RESULTING EFFECTS ON THE PERFORMANCE OF THE IRRIGATION SYSTEM.

IRRIGATION MAINLINES ARE SHOWN IN STREET/PAVED AREAS FOR GRAPHIC CLARITY ONLY. WHERE POSSIBLE, ALL IRRIGATION COMPONENTS SHALL BE LOCATED IN PLANTING BEDS.

IRRIGATION LATERAL PIPE SIZE CHART

PIPE SIZE	FLOW RATE
3/4" SCH 40	1-8 GPM
1" SCH 40	9-11 GPM
1-1/4" SCH 40	12-22 GPM
1-1/2" SCH 40	23-30 GPM
2" SCH 40	31-50 GPM
2-1/2" SCH 40	51-70 GPM
3" SCH 40	71-110 GPM

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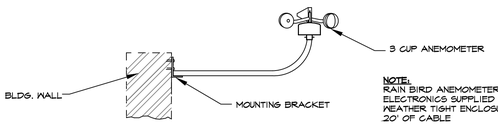
Sheet Title

Irrigation Plan

Date: SEPTEMBER 1, 2022

Sheet No:

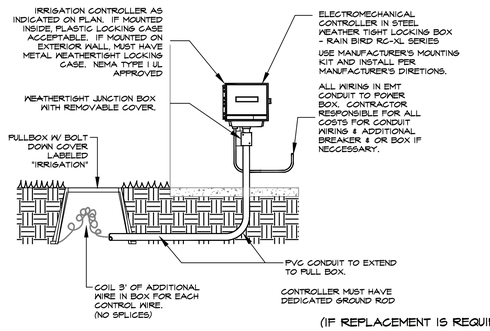
L2.01



NOTE:
RAIN BIRD ANEMOMETER ELECTRONICS SUPPLIED WITH A WEATHER TIGHT ENCLOSURE AND 20' OF CABLE

1 ANEMOMETER

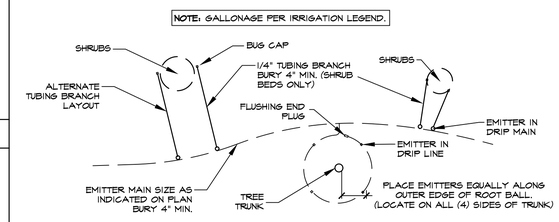
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(IF REPLACEMENT IS REQUIRED)

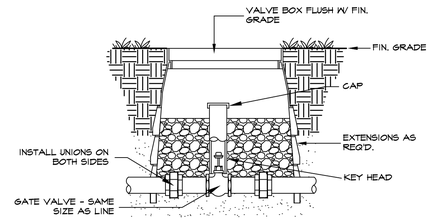
2 WALL MOUNTED CONTROL CLOCK

NOT TO SCALE



3 DRIP EMITTER LAYOUT

NOT TO SCALE

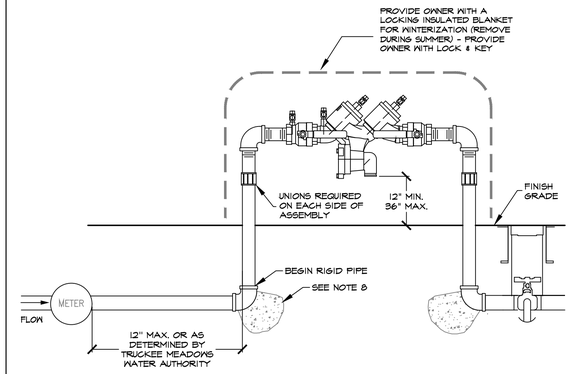


4 GATE VALVE

NOT TO SCALE

5 NOT USED

NOT TO SCALE

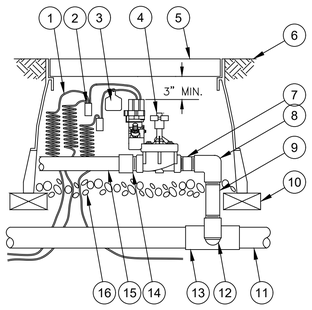


NOTES:
1. ASSEMBLY SHALL BE A USC APPROVED LEAD FREE DEVICE.
2. THE RP SHALL BE INSTALLED ABOVE GRADE.
3. EITHER VALVE BOXES OR PIPE RISERS MAY BE USED FOR THE 2 BELOW GRADE SHUT OFF VALVES.
4. MANUAL SHUT OFF VALVE: INLINE BRASS GLOBE OR CURB VALVE SIZED SAME AS MAINLINE.
5. NO STOP AND WASTE VALVES BETWEEN METER & BACKFLOW PREVENTION ASSEMBLY.
6. INSPECTION BY TMWA BACKFLOW PREVENTION GROUP PERSONNEL REQUIRED BEFORE METER IS SET OR SERVICE IS ACTIVATED.
7. IF INITIAL TEST DONE BY TMWA FIELD PERSONNEL FAILS, RETESTING OF BACKFLOW ASSEMBLY IS REQUIRED WITHIN 7 DAYS AFTER METER IS SET OR SERVICE ACTIVATION. COPY OF TEST RESULTS TO BE FORWARDED TO TMWA BACKFLOW PREVENTION GROUP BY A CERTIFIED ASSEMBLY TESTER WITHIN THAT SAME TIMEFRAME.
8. MINIMUM DIMENSIONS FOR THE THRUST BLOCK BEARING AREA FOR PIPE 2" AND SMALLER SHALL BE 8" X 8" AND 12" IN DEPTH. ALL OTHER SIZES TO BE DETERMINED BY ENGINEER.
9. FOR YEAR-ROUND USE REFER TO IGA-2.

(IF REPLACEMENT IS REQUIRED)

8 BACKFLOW PREVENTER

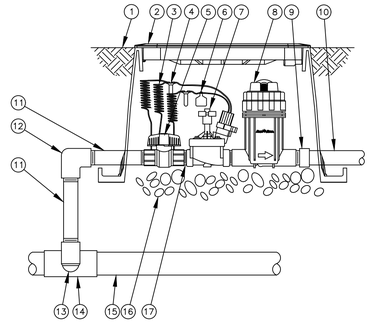
NOT TO SCALE



1. 30-INCH LINEAR LENGTH OF WIRE, COILED
2. WATERPROOF CONNECTION: RAIN BIRD SPLICE (1 OF 2)
3. ID TAG: RAIN BIRD VID SERIES
4. REMOTE CONTROL VALVE
5. VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE/TOP OF MULCH
7. PVC SCH 80 NIPPLE (CLOSE)
8. PVC SCH 40 ELL
9. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
10. BRICK (1 OF 4)
11. PVC MAINLINE PIPE
12. SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
13. PVC SCH 40 TEE OR ELL
14. PVC SCH 40 MALE ADAPTER
15. PVC LATERAL PIPE
16. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

6 SPRAY VALVE ASSEMBLY

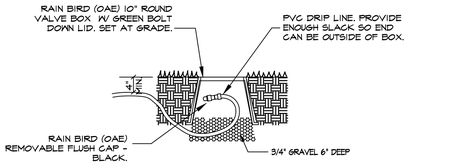
NOT TO SCALE



1. FINISH GRADE/TOP OF MULCH
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. 30-INCH LINEAR LENGTH OF WIRE, COILED
4. WATERPROOF CONNECTION: RAIN BIRD DB SERIES
5. 1-INCH BALL VALVE (INCLUDED IN XCZ-PRB-100-COM KIT)
6. ID TAG
7. REMOTE CONTROL VALVE: RAIN BIRD PESB (INCLUDED IN XCZ-PRB-100-COM KIT)
8. PRESSURE REGULATING QUICK CHECK BASKET FILTER: RAIN BIRD PRB-QKCHK-100 (INCLUDED IN XCZ-PRB-100-COM KIT)
9. PVC SCH 40 FEMALE ADAPTOR
10. LATERAL PIPE
11. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
12. PVC SCH 40 ELL
13. PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
14. PVC SCH 40 TEE OR ELL
15. MAINLINE PIPE
16. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
17. PVC SCH 80 NIPPLE, CLOSE (INCLUDED IN XCZ-PRB-100-COM KIT)

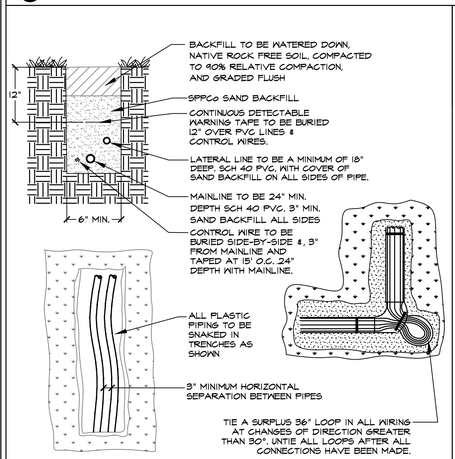
7 DRIP VALVE ASSEMBLY

NOT TO SCALE



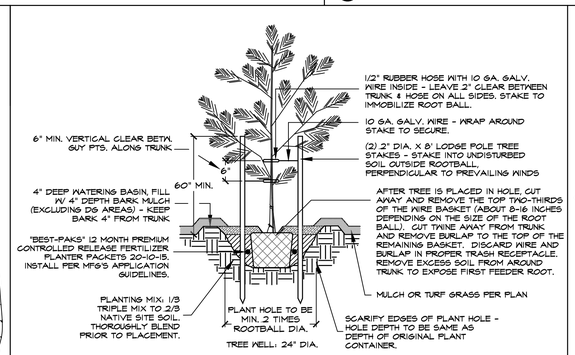
9 REMOVABLE FLUSH CAP

NOT TO SCALE



10 TRENCH DETAIL/CONTROLLER WIRING

NOT TO SCALE

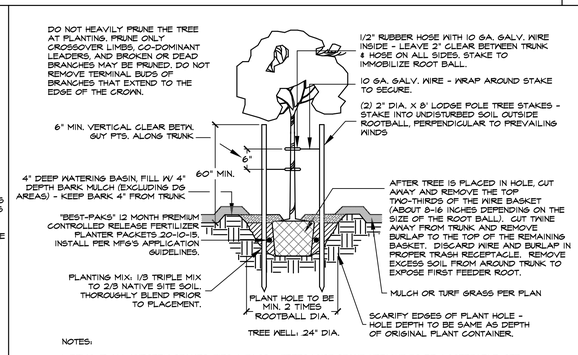


NOTES:
1. REMOVE ALL NURSERY STAKES, TIES & TAGS - TREES MUST STAND UPRIGHT TO BE ACCEPTABLE. SEE NURSERY STOCK QUALITY STANDARDS; ALL TREES SHALL BE STAKED SO AS TO REMAIN UPRIGHT AND PLUMB FOLLOWING INSTALLATION.
2. REMOVE DAMAGED BRANCHES - DO NOT REMOVE CENTRAL LEADER OR ANY LOWER BRANCHES.
3. TOP OF ROOT BALL* TO BE 1" ABOVE EXISTING GRADE - NO NATIVE SOIL TO BE PLACED ON TOP OF ROOT BALL.
4. GRADE WATERING BASIN SUCH THAT WATER COLLECTS AT EDGE OF ROOT BALL, NOT AT TRUNK.
5. THOROUGHLY WATER IMMEDIATELY AFTER PLANTING.
6. ORIENT GRAFT UNION TO FACE NORTH.

* TOP OF ROOT BALL IS DEFINED AS THE LOCATION OF THE UPPERMOST LATERAL ROOT NOT THE SOIL LEVEL IN THE PLANT CONTAINER.

11 EVERGREEN TREE PLANTING

NOT TO SCALE

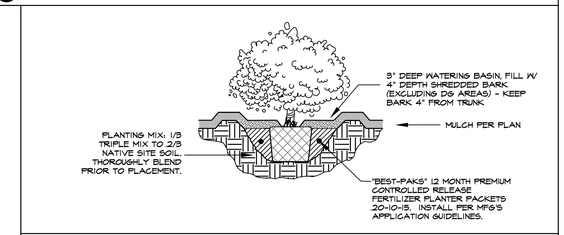


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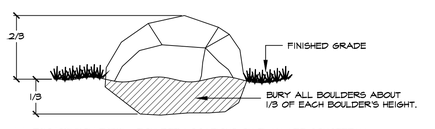
12 DECIDUOUS TREE PLANTING

NOT TO SCALE



13 SHRUB PLANTING

NOT TO SCALE



LANDSCAPE BOULDERS - BOULDER LOCATIONS ON PLAN ARE CONCEPTUAL. BOULDERS SHALL BE FIELD PLACED RANDOMLY THROUGHOUT THE LANDSCAPE WITH FINAL LOCATIONS SUBJECT TO OWNER APPROVAL. BOULDERS SHALL HAVE NATURAL EARTHTONE (BROWN/TAN/GRAY) COLOR. SIZES SHALL VARY WITH A MINIMUM SIZE OF 24" DIAMETER AND A MAXIMUM SIZE OF 36" DIAMETER. NOT MORE THAN 35% OF THE BOULDERS SHALL BE MINIMUM SIZE.

14 LANDSCAPE BOULDER

NOT TO SCALE

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

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REV	DATE	DESCRIPTION

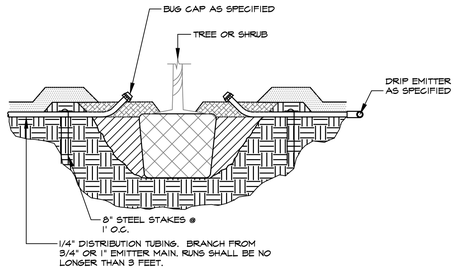
Sheet Title

Landscape & irrigation Details

Date: SEPTEMBER 23, 2022

Sheet No:

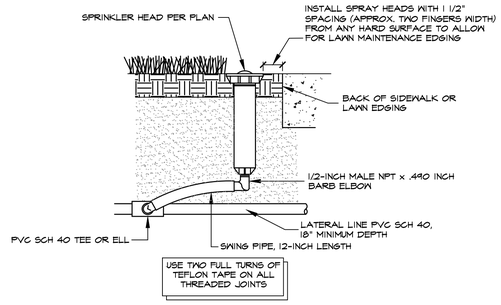
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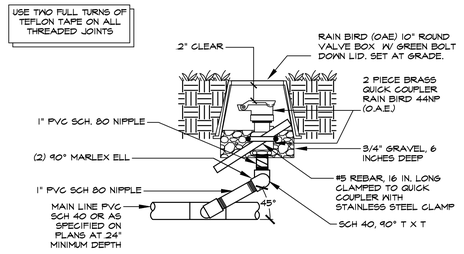
NOTES:
1. LOCATE EMITTERS AT SOIL SURFACE MIDWAY BETWEEN ROOTBALL AND EDGE OF WATERING BASIN.

2. GALLONAGE PER IRRIGATION LEGEND.

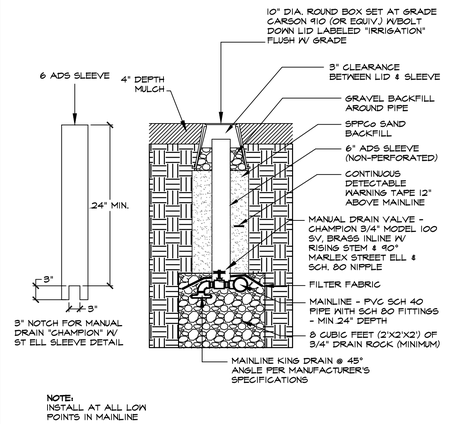
1 DRIP EMITTER INSTALLATION — NOT TO SCALE



2 SMALL TURF SPRINKLER — NOT TO SCALE

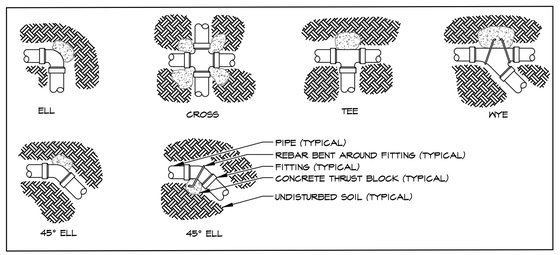


3 QUICK COUPLER DETAIL — NOT TO SCALE



NOTE:
INSTALL AT ALL LOW POINTS IN MAINLINE

4 MANUAL DRAIN VALVE — NOT TO SCALE



THRUST BLOCK BEARING AREA (sq. ft.)

TYPE OF FITTING		ELL	CROSS	TEE	45° ELL	WYE
PIPE SIZE	4"	2	2	2	1	1
	6"	4	4	4	4	2

NOTES:

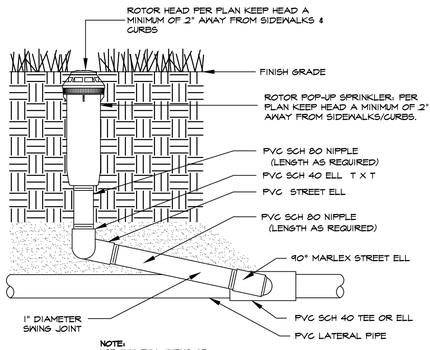
1. THRUST BLOCKS TO BE CONSTRUCTED OF 3000 PSI CONCRETE

2. AREAS GIVEN ARE FOR SCH 40 PIPE AT TEST PRESSURE OF 100 PSI WITH 2000 PSF BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOIL TYPES SHOULD ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF ENGINEER.

3. BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.

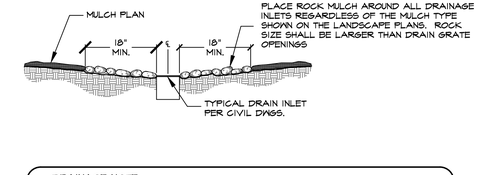
4. JOINTS AND FACE OF PLUGS TO BE KEPT CLEAR OF CONCRETE.

5 CONCRETE THRUST BLOCK DETAIL — NOT TO SCALE



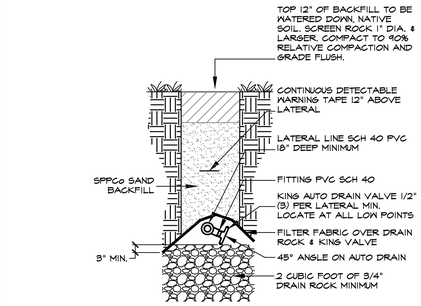
NOTE:
USE TWO FULL TURNS OF TEFLON TAPE ON ALL THREADED JOINTS

6 ROTOR POP-UP SPRINKLER — NOT TO SCALE



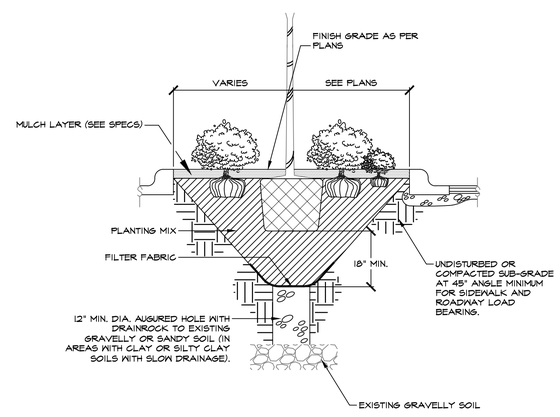
DRAINAGE NOTE:
CONTRACTOR WILL MAINTAIN POSITIVE SITE DRAINAGE IN ALL LANDSCAPE AREAS, AND AT ALL DOWNSPOUT LOCATIONS AWAY FROM STRUCTURES. PROVIDE NOTCH OR BREAK IN LAWN EDGING (IF APPLICABLE) AS NEEDED. PROVIDE ROCK-LINED "DRY CREEK" DRAINAGE SWALES IN ALL NON-TURF LANDSCAPE AREAS. DO NOT INSTALL DG OR BARK MULCH IN ANY AREAS SUBJECT TO CONCENTRATED DRAINAGE FLOWS (I.E. ROOF DRAIN LOCATIONS, SWALE LINES, YARD DRAIN INLETS, ETC.) WHERE EROSION MAY OCCUR.

7 TYPICAL YARD DRAIN MULCH TREATMENT — NOT TO SCALE

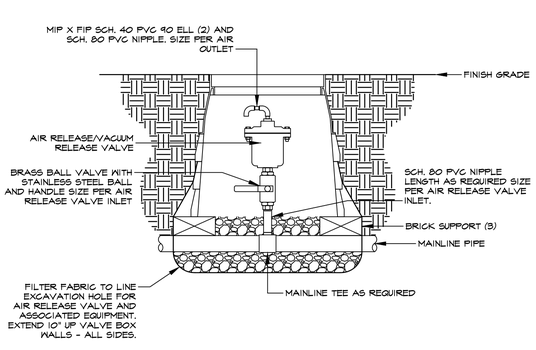


NOTE:
ALL AUTO DRAINS SHALL BE LOCATED DOWNSTREAM OF THE BACKFLOW PREVENTER - NAC 445A.67255.

8 AUTO DRAIN — NOT TO SCALE

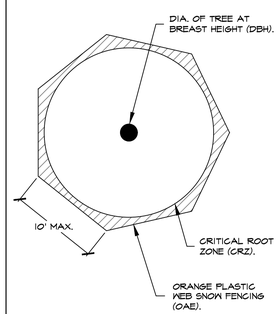


9 ISLAND PLANTER DETAIL — NOT TO SCALE



NOTE:
AIR RELEASE ASSEMBLY TO BE LOCATED AT HIGHEST POINT OF ELEVATION OF MAINLINE

10 MAINLINE AIR RELEASE/VACUUM RELEASE VALVE — NOT TO SCALE



DETERMINING THE CRITICAL ROOT ZONE

- THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS THE ZONE IN WHICH THE MAJORITY OF THE TREE'S ROOTS LAY.
- PROVIDE 1-FOOT RADIUS OF PROTECTION FOR EVERY 1-INCH DIAMETER OF THE TRUNK AT BREAST HEIGHT (DBH).

  EXAMPLE:
  12" DBH = 12 RADIUS CRZ
- ANY ENCROACHMENT INTO THE CRITICAL ROOT ZONE OF A TREE DESIGNATED TO BE SAVED SHALL ONLY BE PERFORMED UNDER THE DIRECTION OF A NEVADA CERTIFIED ARBORIST TO BE HIRED BY CONTRACTOR.

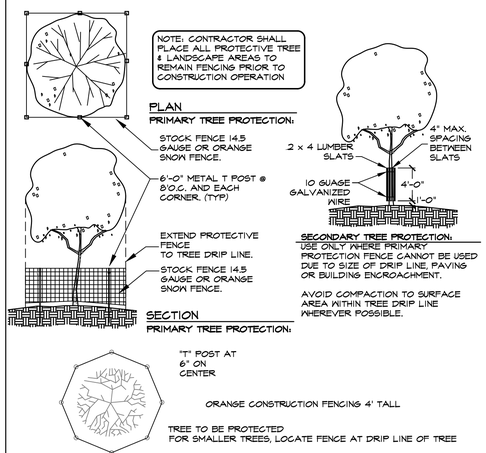
FENCING

- TREE PROTECTION BARRIER SHALL CONSIST OF ORANGE PLASTIC WEB SNOW FENCING (OAE) ON A WOOD FRAME OF 2X4S

NOTE:

- DRAWINGS ARE NOT TO SCALE. USE AS A GUIDE FOR DETERMINING MINIMUM CRITICAL CRZ.

11 TREE PROTECTION FENCE DETAIL — NOT TO SCALE



EXAMPLE OF SINGLE TREE MITIGATION

12 TREE PROTECTION DETAIL — NOT TO SCALE

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

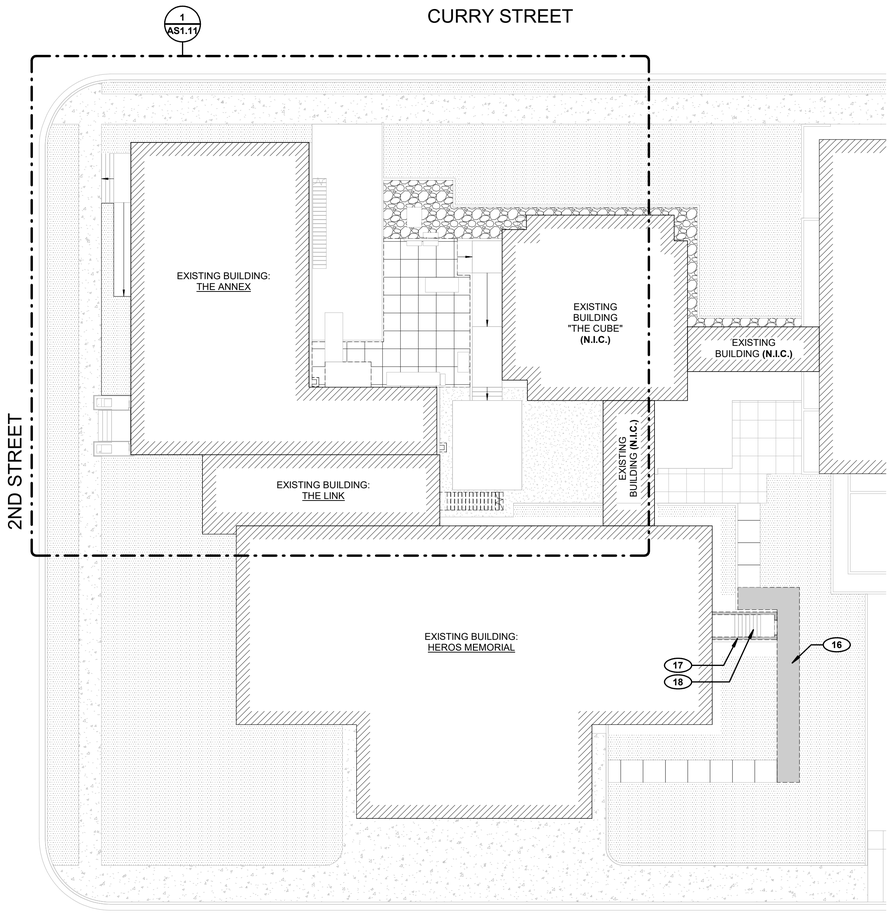
Sheet Title

Landscape & irrigation Details

Date: SEPTEMBER 23, 2022

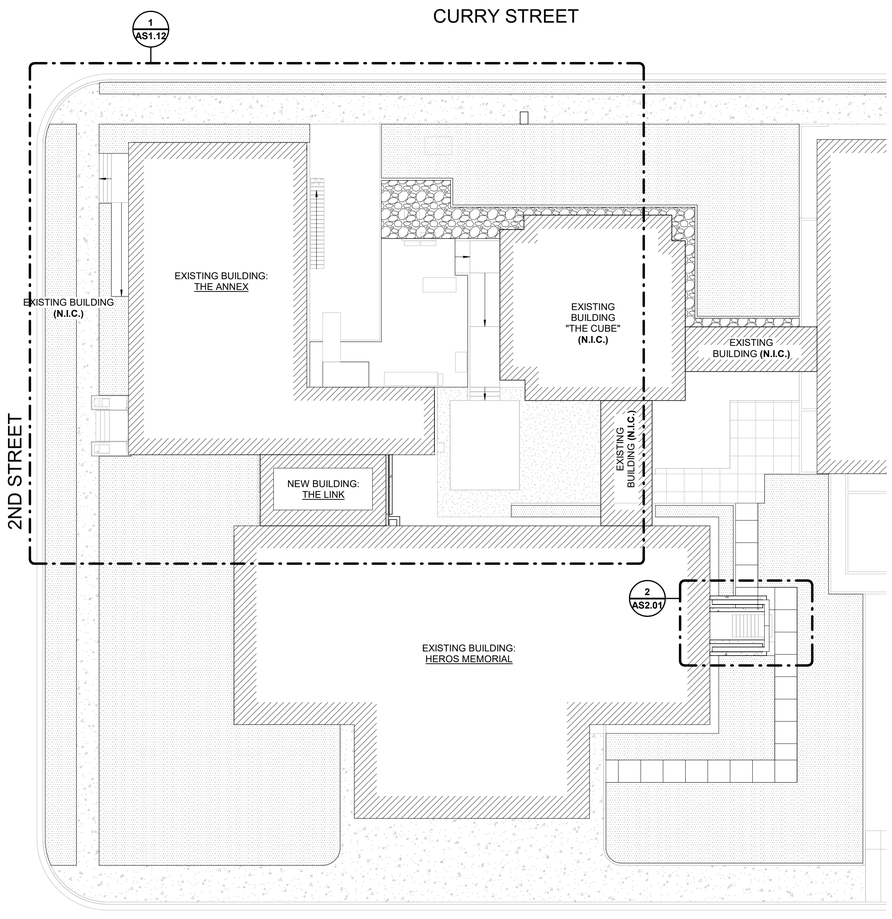
Sheet No:

L3.01



2 OVERALL EXISTING SITE PLAN
SCALE: 1/16" = 1'-0"

NORTH



1 OVERALL SITE PLAN
SCALE: 1/16" = 1'-0"

NORTH

GENERAL NOTES

KEYNOTES

1 (E) HISTORICAL ENTRY & STAIRS TO REMAIN - PROTECTED IN PLACE
2 ELECTRICAL EQUIPMENT TO BE PROTECTED IN PLACE - REFER TO ELECTRICAL DRAWINGS
3 EXISTING PARTIAL HEIGHT WALL TO REMAIN PROTECTED IN PLACE
4 RAMP TO REMAIN - PROTECTED IN PLACE
5 STAIRS TO BE REMOVED / DEMOLISHED
6 (E) FDC TO REMAIN - PROTECTED IN PLACE
7 (E) STAIRS FROM ANNEX LEVEL 2 TO REMAIN - PROTECTED IN PLACE
8 (E) TREES TO REMAIN DURING EXCAVATION - REFER TO LANDSCAPING DRAWINGS
9 (E) LINK BUILDING TO BE DEMOLISHED
10 (E) TREE TO BE REMOVED - REFER TO LANDSCAPING DRAWINGS
11 STAIRS TO REMAIN PROTECTED IN PLACE
12 (E) TRANSFORMER - REFER TO ELECTRICAL DRAWINGS
13 (E) ELECTRICAL EQUIPMENT - REFER TO ELECTRICAL DRAWINGS
14 EXTENTS OF EXCAVATION - REFER TO CIVIL DRAWINGS
15 CONCRETE CURB TO BE REMOVED TO ACCODMATE NEW HOUSE KEEPING PAD
16 (E) PEDESTRIAN PATHWAY TO BE REMOVED / DEMOLISHED
17 EXTERIOR BASEMENT ENCLOSURE TO BE REMOVED / DEMOLISHED
18 EXTERIOR STAIRS TO BE DEMO
19 FOUNDATION VENTILATION WELL TO BE REMOVED
20 (E) STAIRS TO REMAIN - PROTECTED IN PLACE

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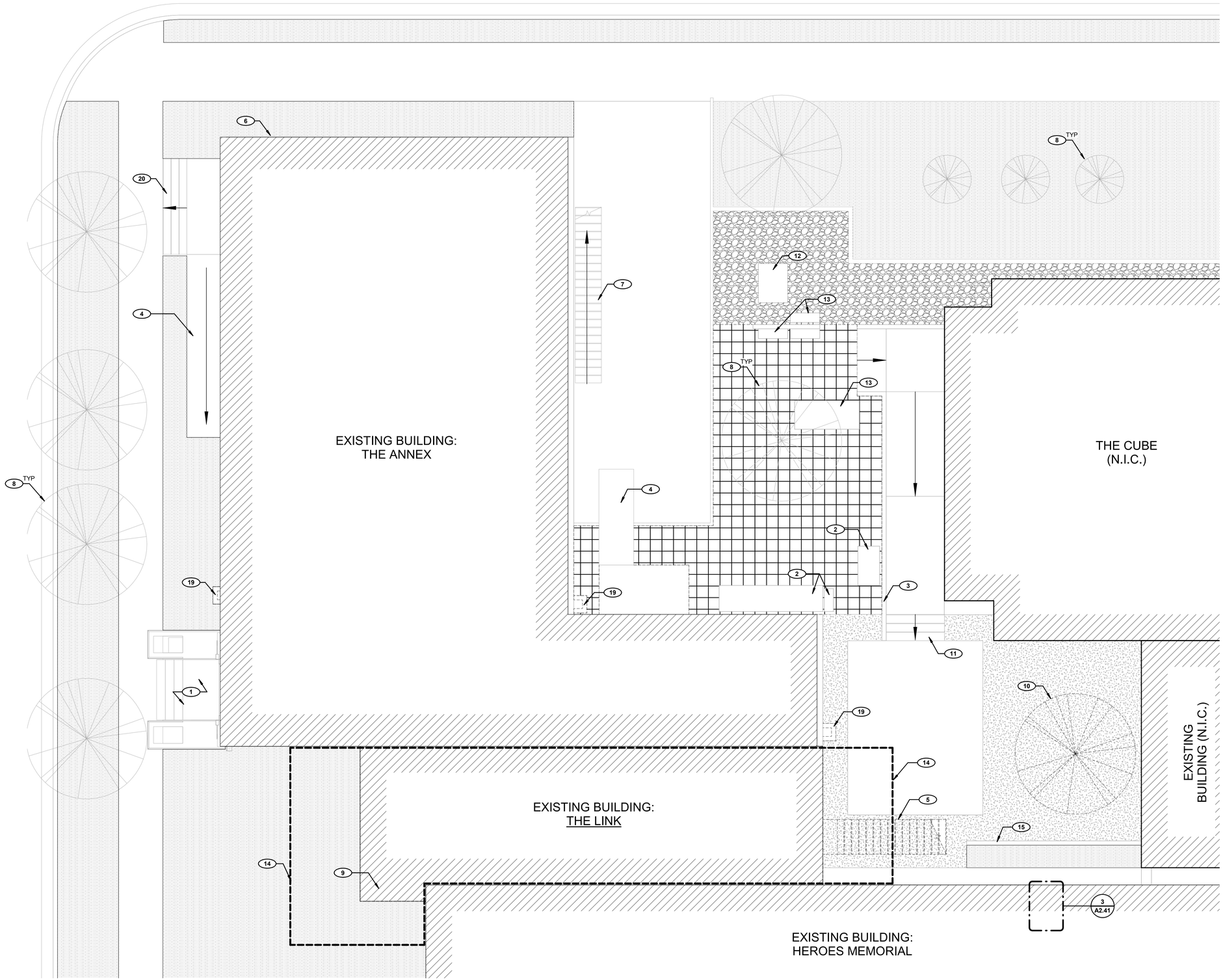
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
OVERALL SITE PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
AS1.01



1 ENLARGED SITE DEMO PLAN
SCALE: 3/16" = 1'-0"

NORTH

GENERAL NOTES

KEYNOTES

1 (E) HISTORICAL ENTRY & STAIRS TO REMAIN - PROTECTED IN PLACE
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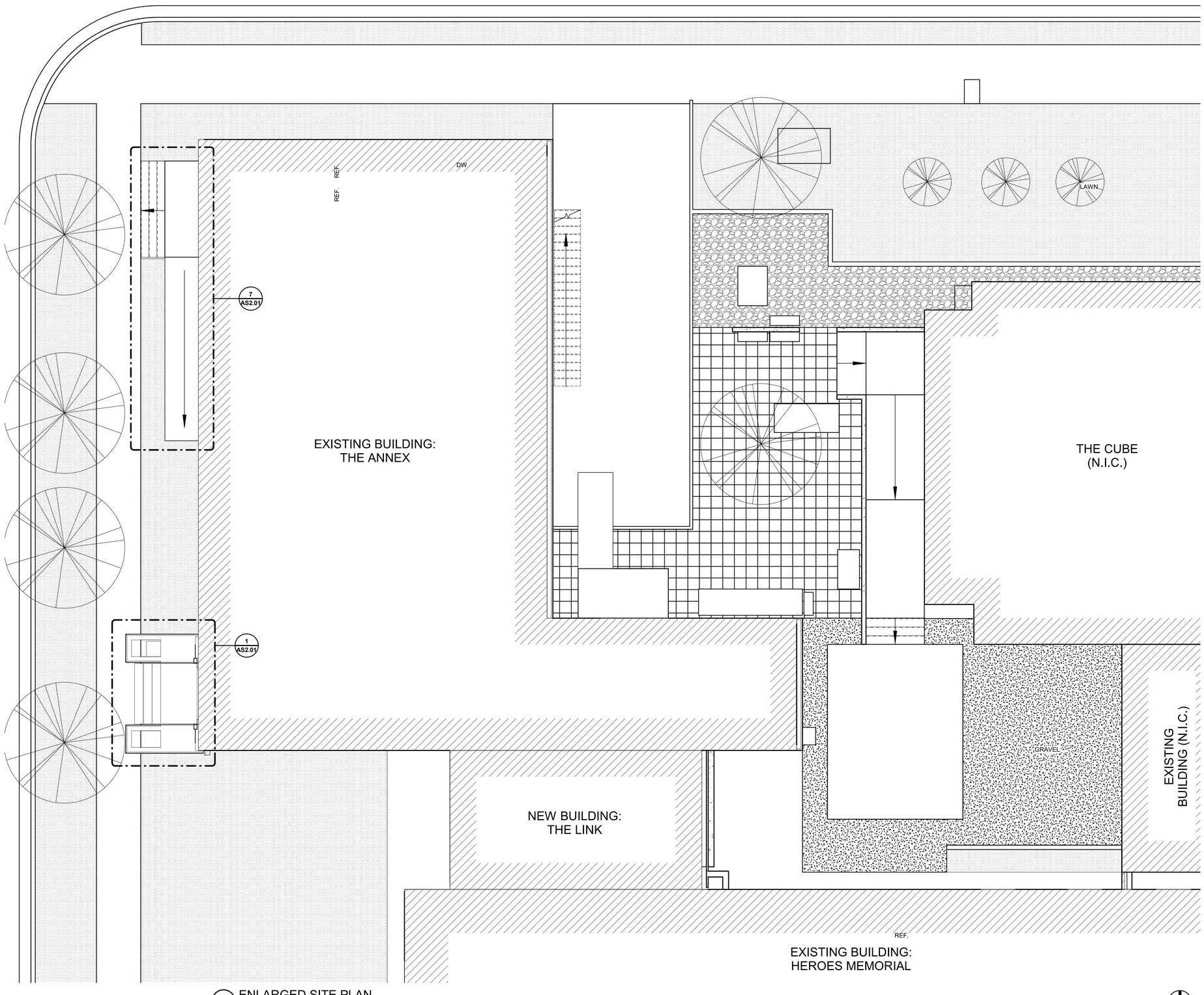
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
ENLARGED SITE EXISTING PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
AS1.11



1 ENLARGED SITE PLAN
SCALE: 3/16" = 1'-0"

NORTH

GENERAL NOTES

1. GENERAL CONTRACTOR TO VERIFY DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF ANY SITE WORK. DO NOT SCALE DRAWINGS
2. REFER TO CIVIL DRAWINGS FOR ADDITIONAL SCOPE OF WORK NOT SHOWN ON THE SITE PLAN
3. REFER TO CIVIL DRAWINGS FOR LIMITS OF WORK

KEYNOTES

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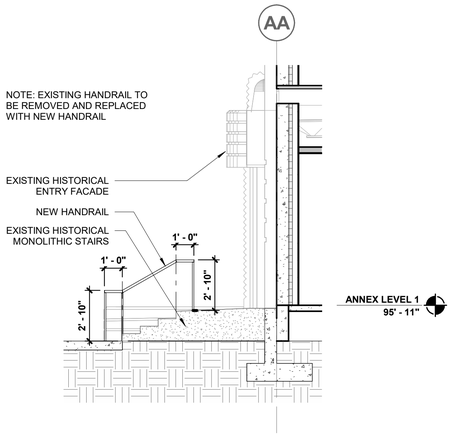
SPWD Project No. 21-P02

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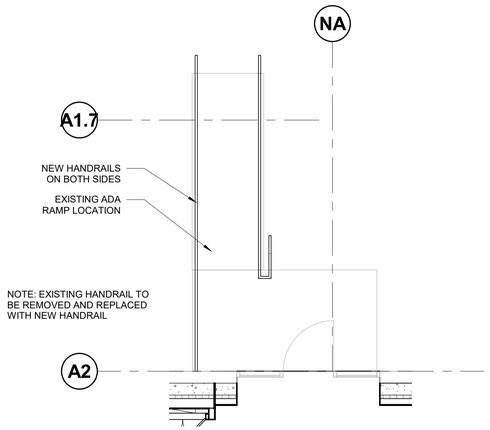
REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
ENLARGED NEW SITE PLAN

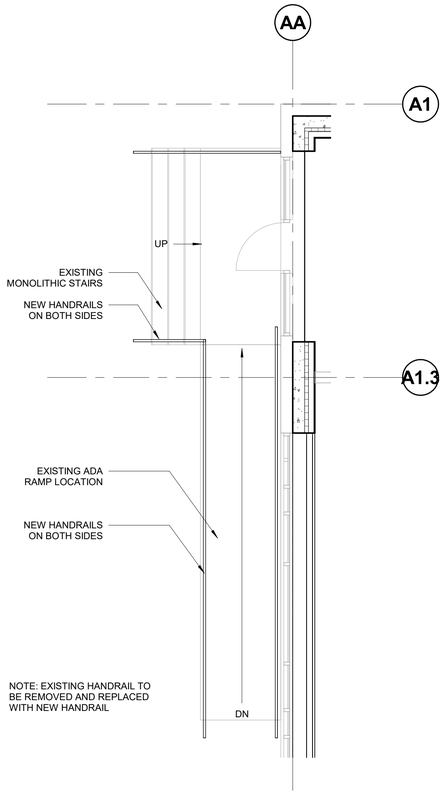
Date: SEPTEMBER 23, 2022
Sheet No:
AS1.12



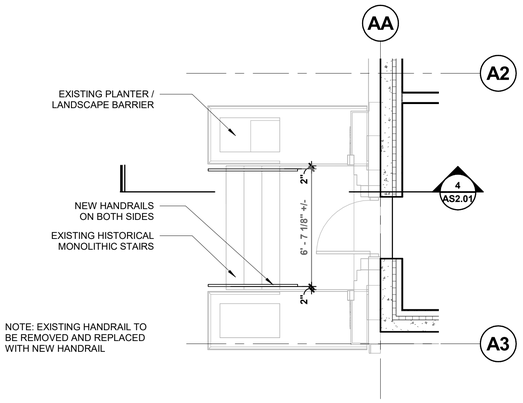
4 ANNEX ENTRY STAIR SECTION
SCALE: 1/4" = 1'-0"



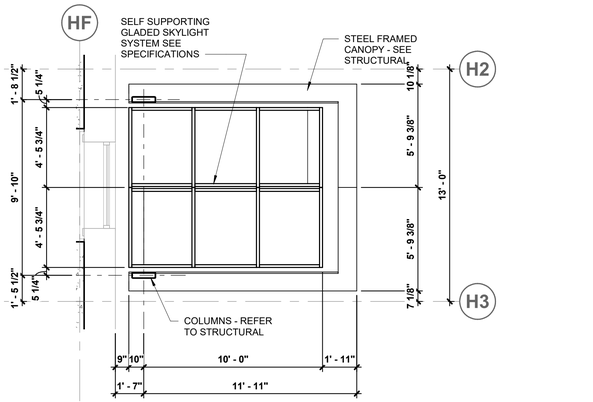
8 ANNEX BACK ENTRY RAMP
SCALE: 1/4" = 1'-0"



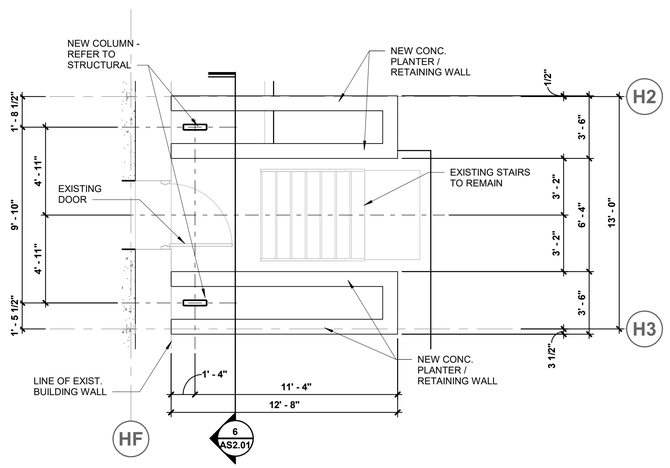
7 ANNEX ENTRY STAIR & RAMP
SCALE: 1/4" = 1'-0"



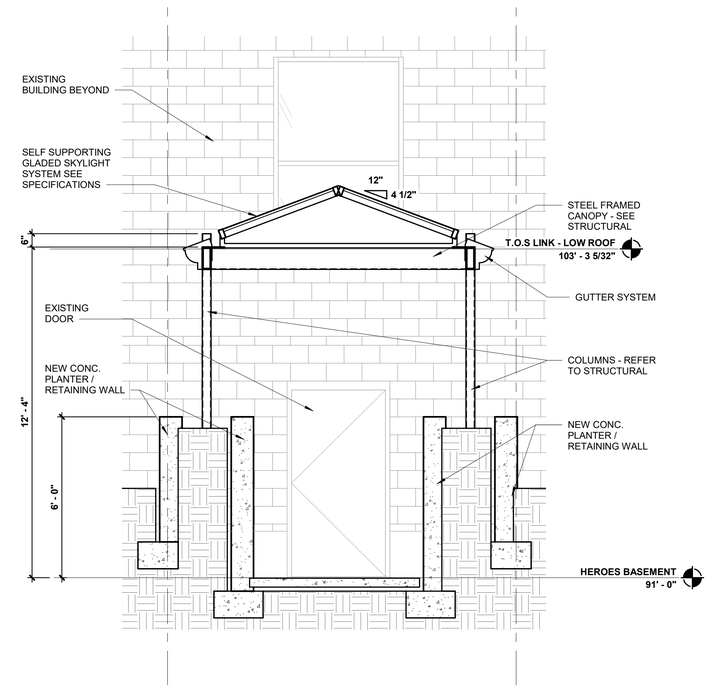
1 ANNEX HISTORICAL ENTRY STAIR
SCALE: 1/4" = 1'-0"



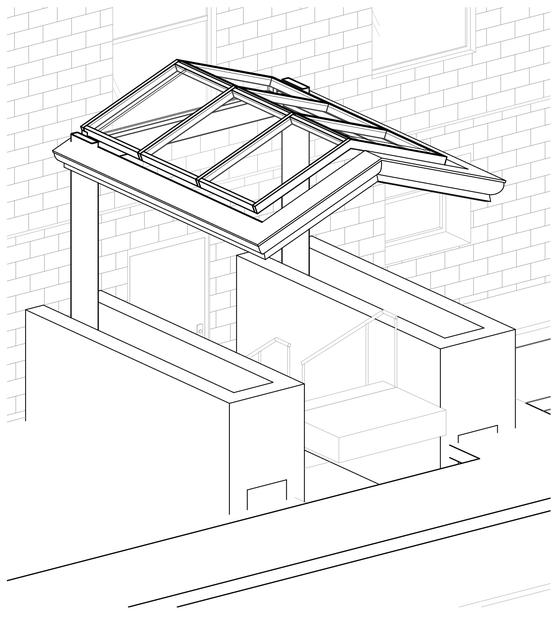
3 HEROES LEVEL 1 FLOOR PLAN - STAIRS / CANOPY
SCALE: 1/4" = 1'-0"



2 HEROES BASEMENT FLOOR PLAN - STAIRS / CANOPY
SCALE: 1/4" = 1'-0"



6 STAIR / CANOPY SECTION
SCALE: 3/8" = 1'-0"



5 STAIRS / CANOPY 3D
SCALE:

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

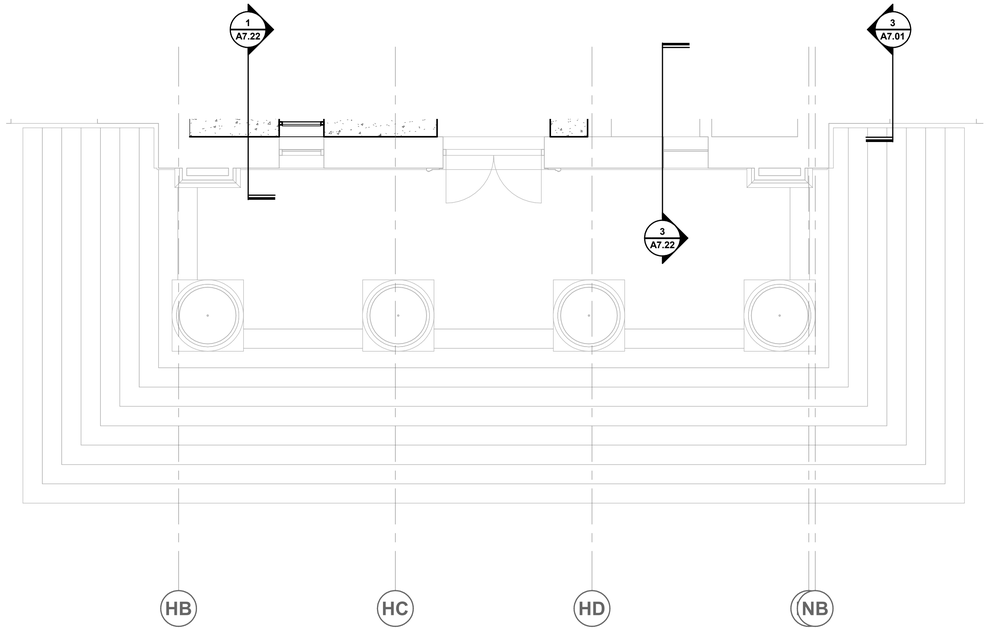
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
SITE DETAILS

Date: SEPTEMBER 23, 2022
Sheet No:

AS2.01



1 HEROES LEVEL 1 FLOOR PLAN - Callout 1
SCALE: 1/4" = 1'-0"

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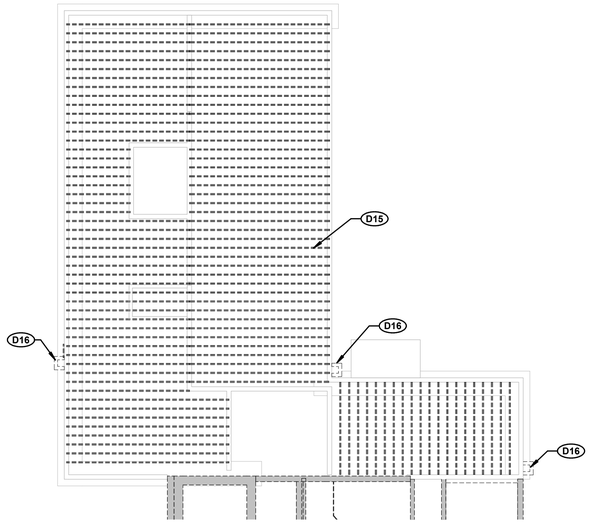
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REV	DATE	DESCRIPTION

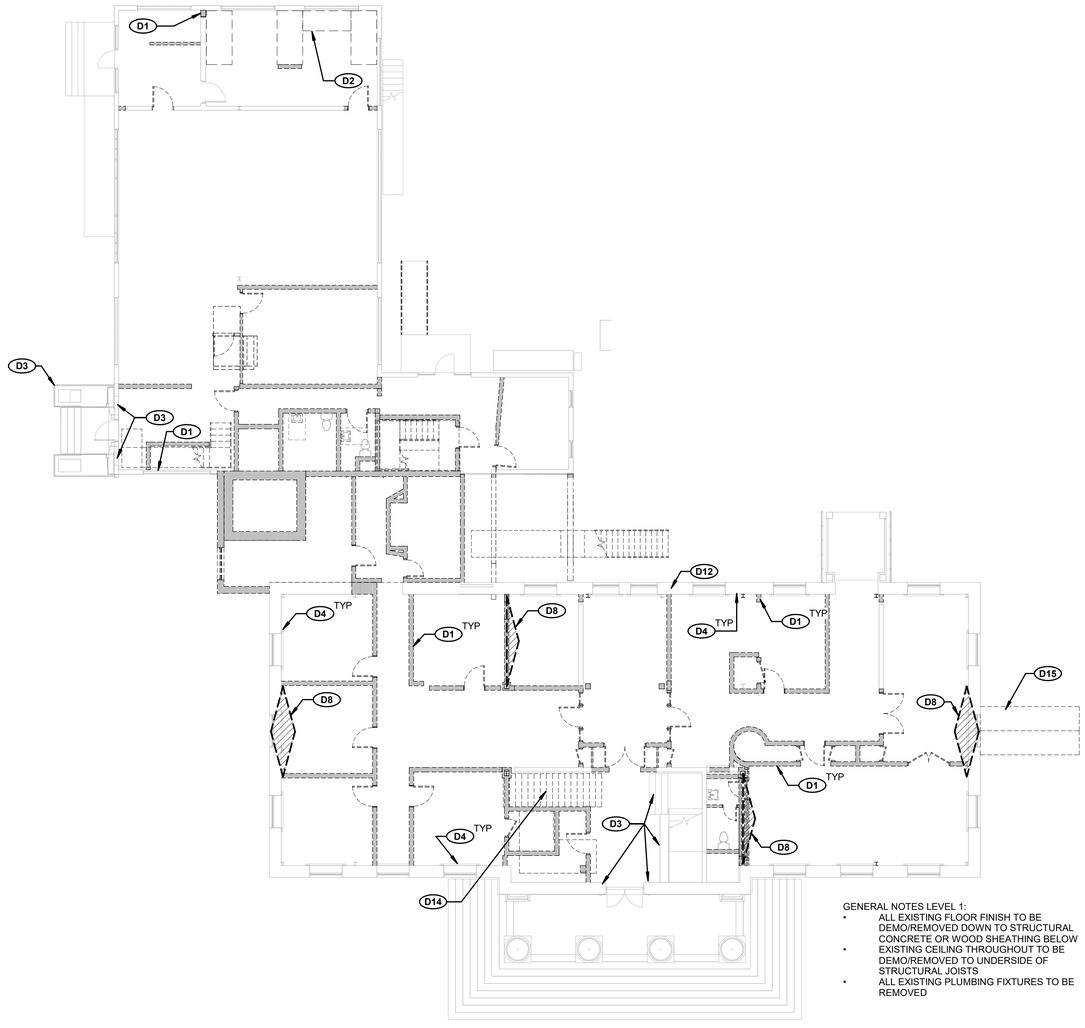
Sheet Title
STAIR PLANS AND SECTIONS

Date: SEPTEMBER 23, 2022
Sheet No:

AS2.02

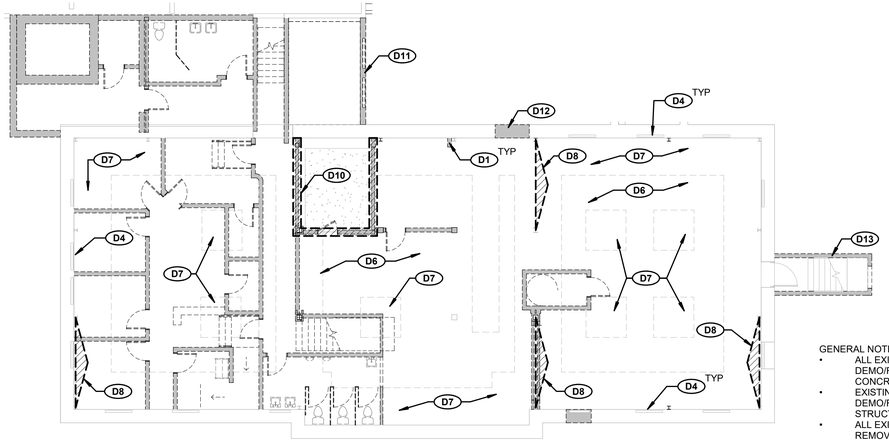


3 ANNEX CRAWL SPACE - DEMOLITION PLAN
SCALE: 3/32" = 1'-0"



GENERAL NOTES LEVEL 1:
- ALL EXISTING FLOOR FINISH TO BE DEMO/REMOVED DOWN TO STRUCTURAL CONCRETE OR WOOD SHEATHING BELOW
- EXISTING CEILING THROUGHOUT TO BE DEMO/REMOVED TO UNDERSIDE OF STRUCTURAL JOISTS
- ALL EXISTING PLUMBING FIXTURES TO BE REMOVED

2 HEROES & ANNEX LEVEL 1 - DEMOLITION PLAN
SCALE: 3/32" = 1'-0"
NORTH



GENERAL NOTES BASEMENT:
- ALL EXISTING FLOOR FINISH TO BE DEMO/REMOVED DOWN TO STRUCTURAL CONCRETE OR WOOD SHEATHING BELOW
- EXISTING CEILING THROUGHOUT TO BE DEMO/REMOVED TO UNDERSIDE OF STRUCTURAL JOISTS
- ALL EXISTING PLUMBING FIXTURES TO BE REMOVED

1 HEROES BASEMENT LEVEL - DEMOLITION PLAN
SCALE: 3/32" = 1'-0"
NORTH

GENERAL NOTES

1. THESE DOCUMENTS (ALL DISCIPLINES) ARE A COHESIVE SET OF DRAWINGS. EACH TRADE SHALL REVIEW ALL ARCHITECTURAL AND ENGINEERED DRAWINGS FOR INFORMATION THAT CROSSES OVER TO VARIOUS TRADES
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCING WORK
3. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONTRACT DOCUMENTS AS SOON AS POSSIBLE
4. REFER TO WALL PARTITION TYPES AND U.L. RATED DESIGN DRAWINGS FOR REQUIRED FIRE-RESISTIVE CONSTRUCTION
5. ALL HISTORICAL ARTIFACTS ARE TO REMAIN PROPERTY OF NEVADA SPWD
6. PREPARE EXISTING WALLS TO ACCEPT NEW STRUCTURAL WALL REINFORCEMENT METHODS. SEE STRUCTURAL DRAWINGS FOR AREA OF WORK AND CRITERIA.
7. REPOINT ALL EXTERIOR MASONRY.
8. ALL REMOVABLE FURNITURE AND EQUIPMENT (CHAIRS, TABLES, WHITE BOARDS, FILE CABINETS, ETC.) TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION.
9. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION
10. CONTRACTOR TO COORDINATE WITH OWNER ON RELOCATION OF ALL SALVAGED ITEMS.
11. IN THE EVENT OF PROPERTY DAMAGE, IMMEDIATELY NOTIFY THE OWNER AND THE ARCHITECT AND MAKE ALL REPAIRS AND/OR REPLACEMENT NECESSARY WITH THE APPROVAL OF THE ARCHITECT AND THE OWNER AT NO ADDITIONAL COST.
12. DEBRIS AND EXCESS MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSE OF IN A LEGAL MANNER FROM THE PROJECT SITE
13. DETERMINE AND COMPLY WITH ALL REQUIREMENTS FOR DISCONNECTION, CAPPING AND PROTECTION OF ALL EXISTING UTILITY LINES IN AREAS OF THE WORK
14. IF ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE DISCOVERED, IMMEDIATELY STOP WORK AND NOTIFY THE OWNER AND THE ARCHITECT. ASBESTOS OR OTHER HAZARDOUS MATERIAL REMOVAL OR ISOLATION WORK (NOT IN CONTRACT) SHALL BE PERFORMED BY SKILLED WORKERS AND FIRMS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST, BEST AND ACCEPTED PRACTICE OF THE VARIOUS TRADES INVOLVED, AND IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND OTHER VARIOUS AUTHORITIES THAT HAS JURISDICTION OVER THE WORK PROCESS

KEYNOTES

D1	REMOVE FLOOR & WALL FINISHES IN PREPARATION FOR SHOTCRETE AND WALL ANCHORS
D2	REMOVE AND SALVAGE METAL KITCHEN CABINETS
D3	PRIMARY CHARACTER DEFINING FEATURE: PROTECT DURING DEMOLITION
D4	WINDOWS & WINDOW TRIM: PRIMARY CHARACTER DEFINING FEATURE: PROTECT DURING DEMOLITION
D5	REMOVE AND SALVAGE DOOR CASING AND PANEL
D6	EXISTING SLAB TO REMAIN - GENERAL CONTRACTOR TO DETERMINE FULL EXISTING OF SLAB REMOVAL TO INSTALL NEW STRUCTURAL FOUNDATIONS
D7	REMOVE SLAB AS REQUIRED TO INSTALL NEW FOOTINGS - REFER TO STRUCTURAL FOR MORE INFORMATION
D8	EXISTING BRACE FRAME TO BE REMOVED - REFER TO STRUCTURAL DRAWINGS
D9	EXISTING PLYWOOD SHEAR WALL TO BE REMOVED - REFER TO STRUCTURAL DRAWINGS
D10	EXISTING CONCRETE VAULT TO BE REMOVED
D11	EXISTING BOILER ROOM TO BE DEMOLISH
D12	EXTERIOR WALL TO BE REMOVED TO ACCOMODATE MECHANICAL PENETRATION
D13	RETAINING WALLS AND STAIRS TO BE DEMO/REMOVED
D14	INTERIOR STAIR TO BE REMOVED/DEMO
D15	REMOVE/DEMO EXISTING CRAWL SPACE JOISTS - REFER TO STRUCTURAL
D16	FOUNDATION VENTILATION WELL TO BE REMOVED

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
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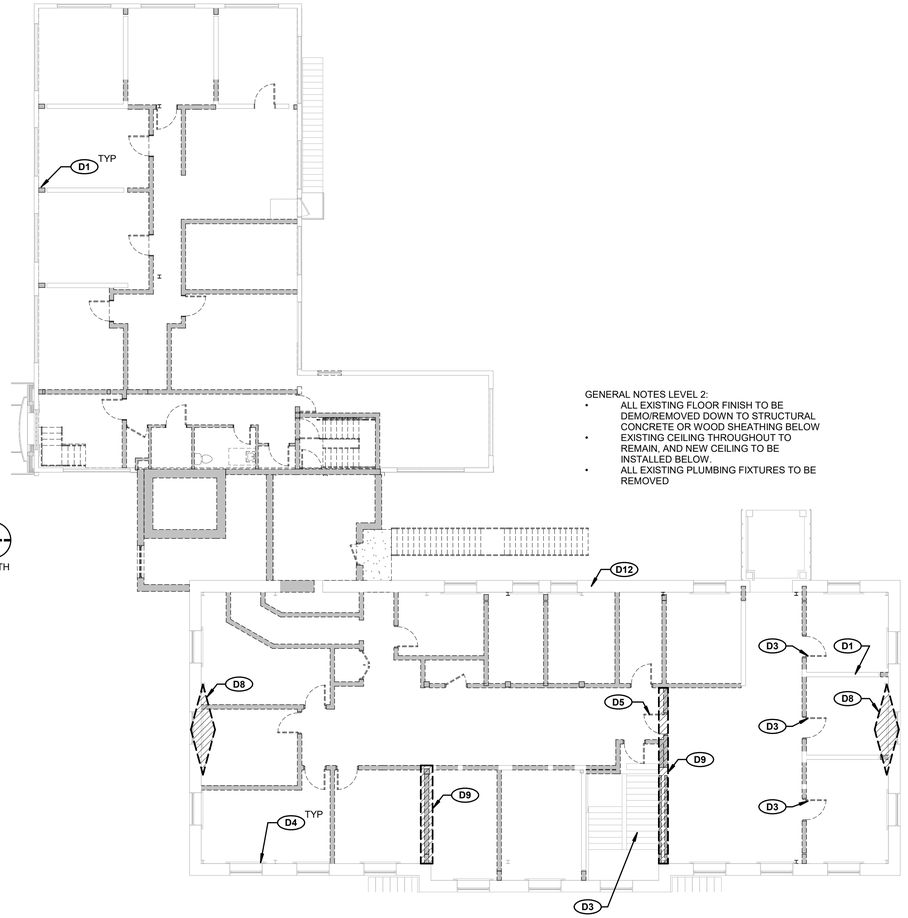
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
DEMOLITION PLANS BASEMENT LEVEL & LEVEL 1

Date: SEPTEMBER 23, 2022
Sheet No:
A1.01



GENERAL NOTES LEVEL 2:

- ALL EXISTING FLOOR FINISH TO BE DEMO/REMOVED DOWN TO STRUCTURAL CONCRETE OR WOOD SHEATHING BELOW
- EXISTING CEILING THROUGHOUT TO REMAIN, AND NEW CEILING TO BE INSTALLED BELOW.
- ALL EXISTING PLUMBING FIXTURES TO BE REMOVED

2 ANNEX LEVEL 2 - DEMOLITION PLAN
SCALE: 3/32" = 1'-0"

NORTH

1 HEROES LEVEL 2 - DEMOLITION PLAN
SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES

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KEYNOTES

D1	REMOVE FLOOR & WALL FINISHES IN PREPARATION FOR SHOTCRETE AND WALL ANCHORS
D2	REMOVE AND SALVAGE METAL KITCHEN CABINETS
D3	PRIMARY CHARACTER DEFINING FEATURE: PROTECT DURING DEMOLITION
D4	WINDOWS & WINDOW TRIM: PRIMARY CHARACTER DEFINING FEATURE: PROTECT DURING DEMOLITION
D5	REMOVE AND SALVAGE DOOR CASING AND PANEL
D6	EXISTING SLAB TO REMAIN - GENERAL CONTRACTOR TO DETERMINE FULL EXISTING OF SLAB REMOVAL TO INSTALL NEW STRUCTURAL FOUNDATIONS
D7	REMOVE SLAB AS REQUIRED TO INSTALL NEW FOOTINGS - REFER TO STRUCTURAL FOR MORE INFORMATION
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D16	FOUNDATION VENTILATION WELL TO BE REMOVED

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

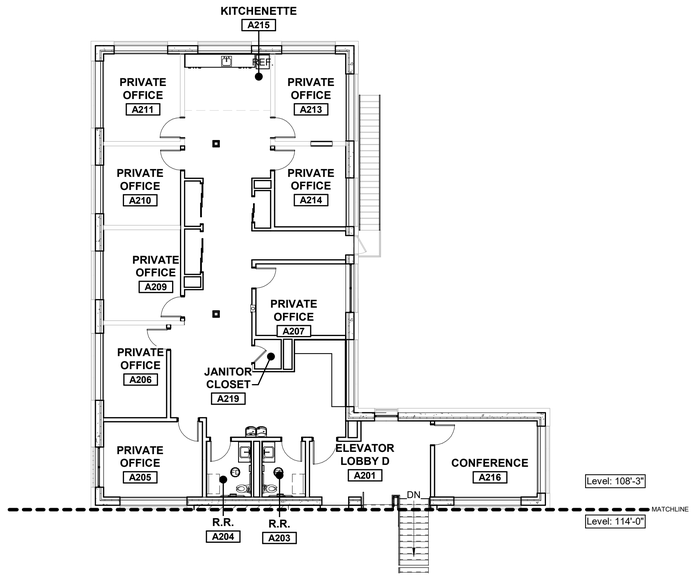
Sheet Title

DEMOLITION PLANS LEVEL 2

Date: SEPTEMBER 23, 2022

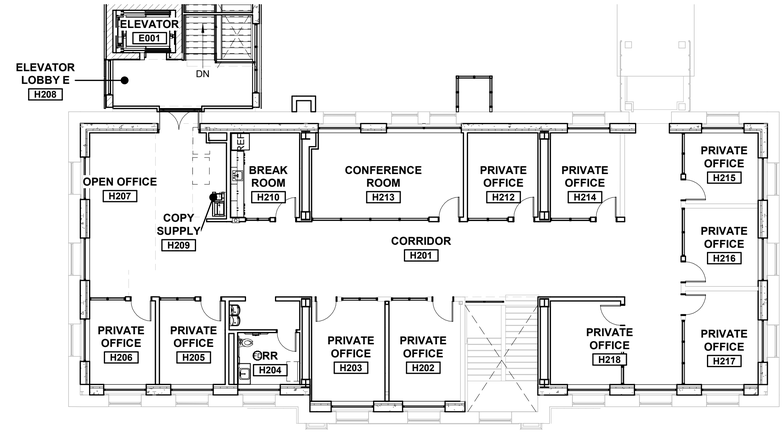
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A1.02



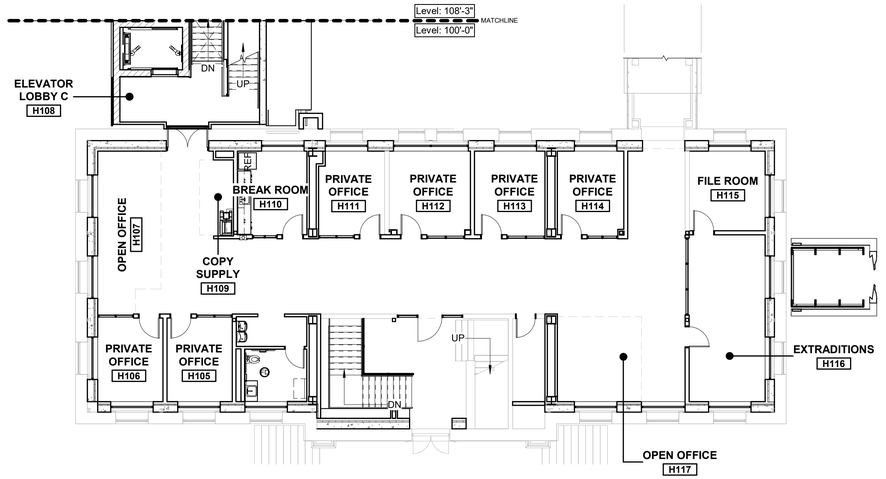
5 ANNEX LEVEL 2 - OVERALL FLOOR PLAN
SCALE: 3/32" = 1'-0"

NORTH



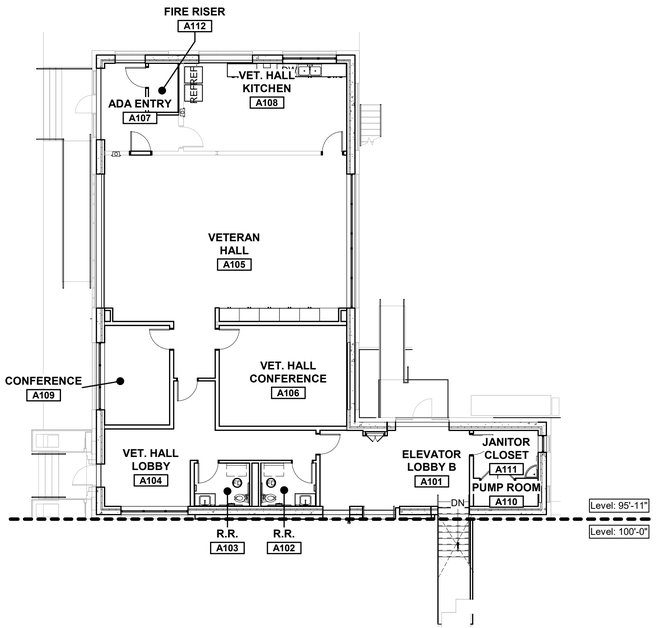
3 HEROES LEVEL 2 - OVERALL FLOOR PLAN
SCALE: 3/32" = 1'-0"

NORTH



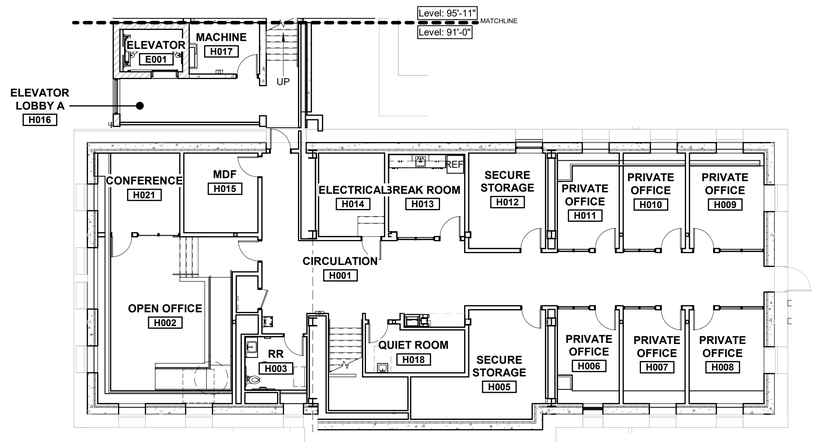
2 HEROES LEVEL 1 - OVERALL FLOOR PLAN
SCALE: 3/32" = 1'-0"

NORTH



4 ANNEX LEVEL 1 - OVERALL FLOOR PLAN
SCALE: 3/32" = 1'-0"

NORTH



1 HEROES BASEMENT LEVEL - OVERALL FLOOR PLAN
SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN FROM FACE OF STUD, MASONRY, OR CONCRETE UNLESS NOTED OTHERWISE
2. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK NOT SHOWN ON THIS DRAWING
3. REFER TO BUILDING AND WALL SECTIONS FOR WALL INFORMATION
4. ALL NEW EQUIPMENT (O.F.O.I. AND C.F.C.I.) SHALL COMPLY WITH ACCESSIBILITY REQUIREMENTS
5. ALL PENETRATION IN NEW PARTITION WALLS AT ER / MDF ROOMS TO BE FULLY SEALED TO MINIMIZE DUST INFILTRATION
6. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION ON ELECTRICAL AND MDF ROOMS
7. METAL WALL BACKING TO BE PROVIDED FOR ALL WALL MOUNTED EQUIPMENT
8. CASTLE-CUT NEW GYPSUM BOARD TO NEW OR EXISTING DECK AND SEAL AT AREAS WITHOUT CEILING

KEYNOTES

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Job No: 21-043

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NEVADA STATE PUBLIC WORKS DIVISION

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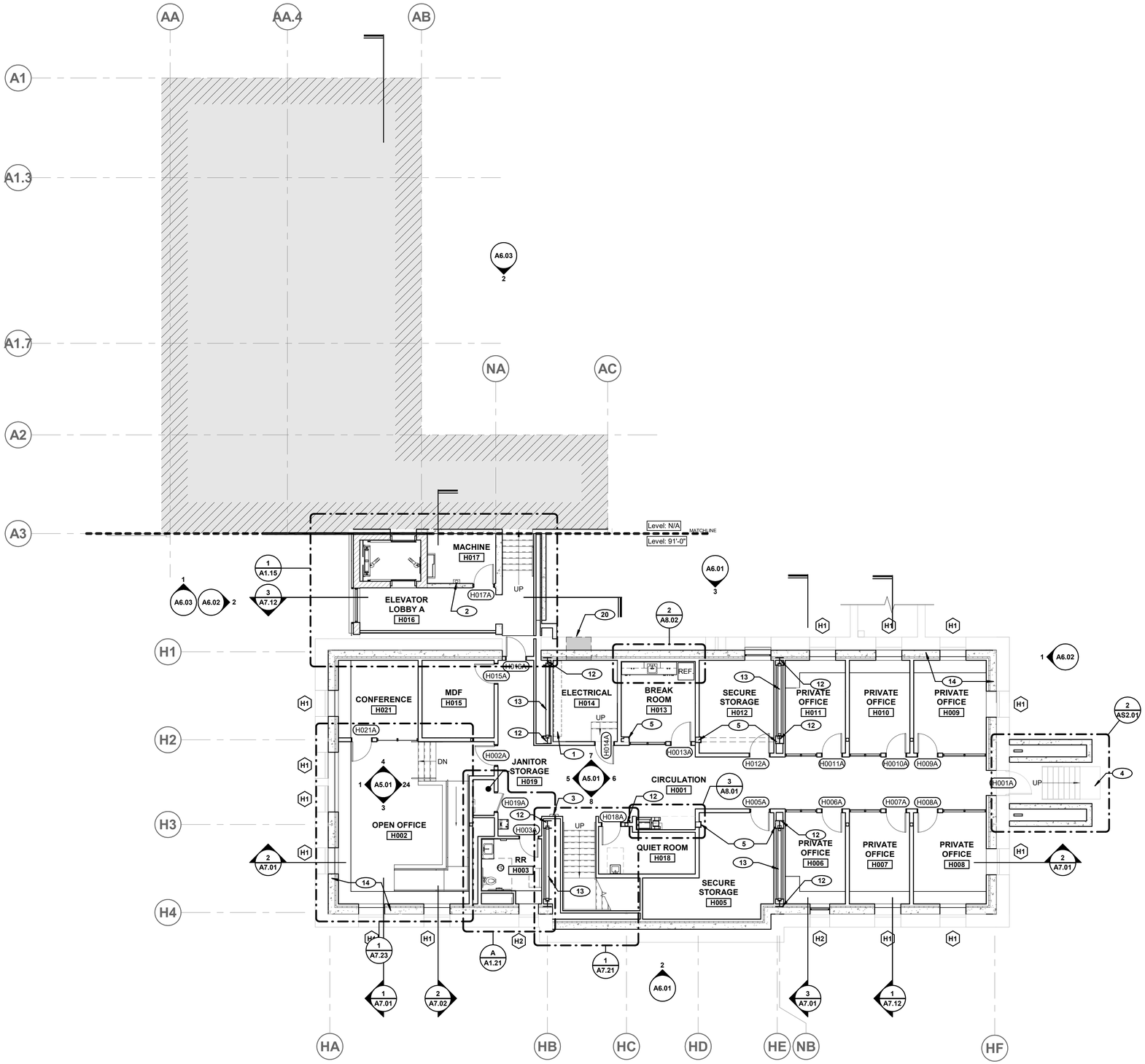
Sheet Title

OVERALL FLOOR PLANS

Date: SEPTEMBER 23, 2022

Sheet No:

A1.03



1 HEROES BASEMENT LEVEL - FLOOR PLAN

SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN FROM FACE OF STUD, MASONRY, OR CONCRETE UNLESS NOTED OTHERWISE.
2. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK NOT SHOWN ON THIS DRAWING
3. REFER TO BUILDING AND WALL SECTIONS FOR WALL INFORMATION
4. REFER TO GENERAL ACCESSIBILITY DETAIL SHEETS FOR TYPICAL ACCESSIBLE FIXTURE, GRAB BAR AND ACCESSORY MOUNTING HEIGHTS AND LOCATIONS
5. REFER TO SHEET A2.01 FOR BUILDING MATERIAL SCHEDULES AND ROOM FINISH SCHEDULE
6. REFER TO SHEET A2.11 FOR DOOR SCHEDULE, PANEL AND FRAME TYPES
7. REFER TO A2.2X SERIES FOR WINDOW TYPES AND DETAILS
8. REFER TO SHEETS A8.XX SERIES FOR CASEWORK PLANS AND ELEVATIONS
9. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONTRACT DOCUMENTS AS SOON AS POSSIBLE.

KEYNOTES

1. EXISTING ELECTRICAL EQUIPMENT - REFER TO ELEC. DRAWINGS FOR MORE INFORMATION
2. SURFACE MOUNTED FIRE EXTINGUISHER CABINET (FEC)
3. SEMI-RECESSED FIRE EXTINGUISHER CABINET (FEC)
4. EXISTING STAIRS TO REMAIN. PROTECT DURING CONSTRUCTION
5. EXISTING STRUCTURAL COLUMN TO REMAIN
6. EXISTING HISTORICAL ENTRY TO BE PROTECTED DURING CONSTRUCTION
8. EXISTING PASSAGE TO CUBE & 'MAIN BUILDING'
10. BOUNDRY OF OFFICE SPACE
11. STOREFRONT GLAZING FLOOR TO CEILING - TYPICAL
12. STRUCTURAL COLUMN - REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION
13. STRUCTURAL X BRACE FRAME - REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION
14. STRUCTURAL SHOTCRETE WALL - REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION
15. NEW ALUMINUM FIXED WINDOWS - TYPICAL - THROUGHOUT
16. FULLY RECESSED FIRE EXTINGUISHER CABINET (FEC)
17. EXISTING FLOOR JOISTS TO BE RAISED - REFER TO STRUCTURAL DRAWINGS
18. NEW ACCESS LADDER LOCATION
19. EXISTING ROOF RAFTERS - REFER TO STRUCTURAL DRAWINGS
20. ENTRY COLUMN STRUCTURAL BRACING - REFER TO STRUCTURAL DRAWINGS

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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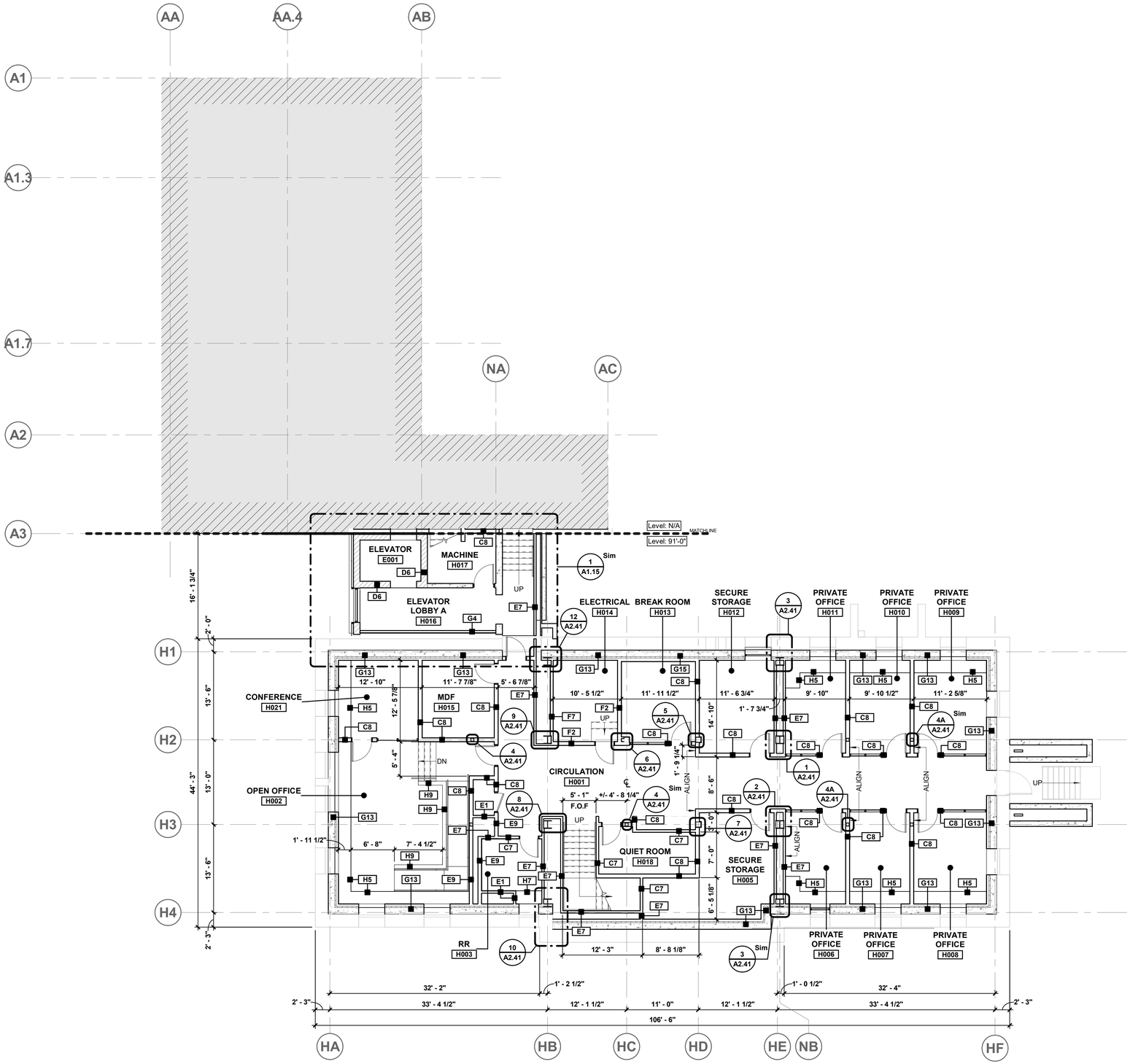
Sheet Title

BASEMENT LEVEL - FLOOR PLAN

Date: SEPTEMBER 23, 2022

Sheet No:

A1.11



1 HEROES BASEMENT LEVEL - DIMENSION PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN FROM FACE OF STUD, MASONRY, OR CONCRETE UNLESS NOTED OTHERWISE.
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4. REFER TO A2.3X SERIES FOR PARTITION TYPES
5. METAL WALL BACKING TO BE PROVIDED FOR ALL MOUNTED EQUIPMENT
6. WHERE INTERIOR DOOR OPENINGS ARE NOT DIMENSIONED INSTALL BUTT SIDE OF JAMB 6" FROM ADJACENT WALL, UNLESS NOTED OTHERWISE
7. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONTRACT DOCUMENTS AS SOON AS POSSIBLE.

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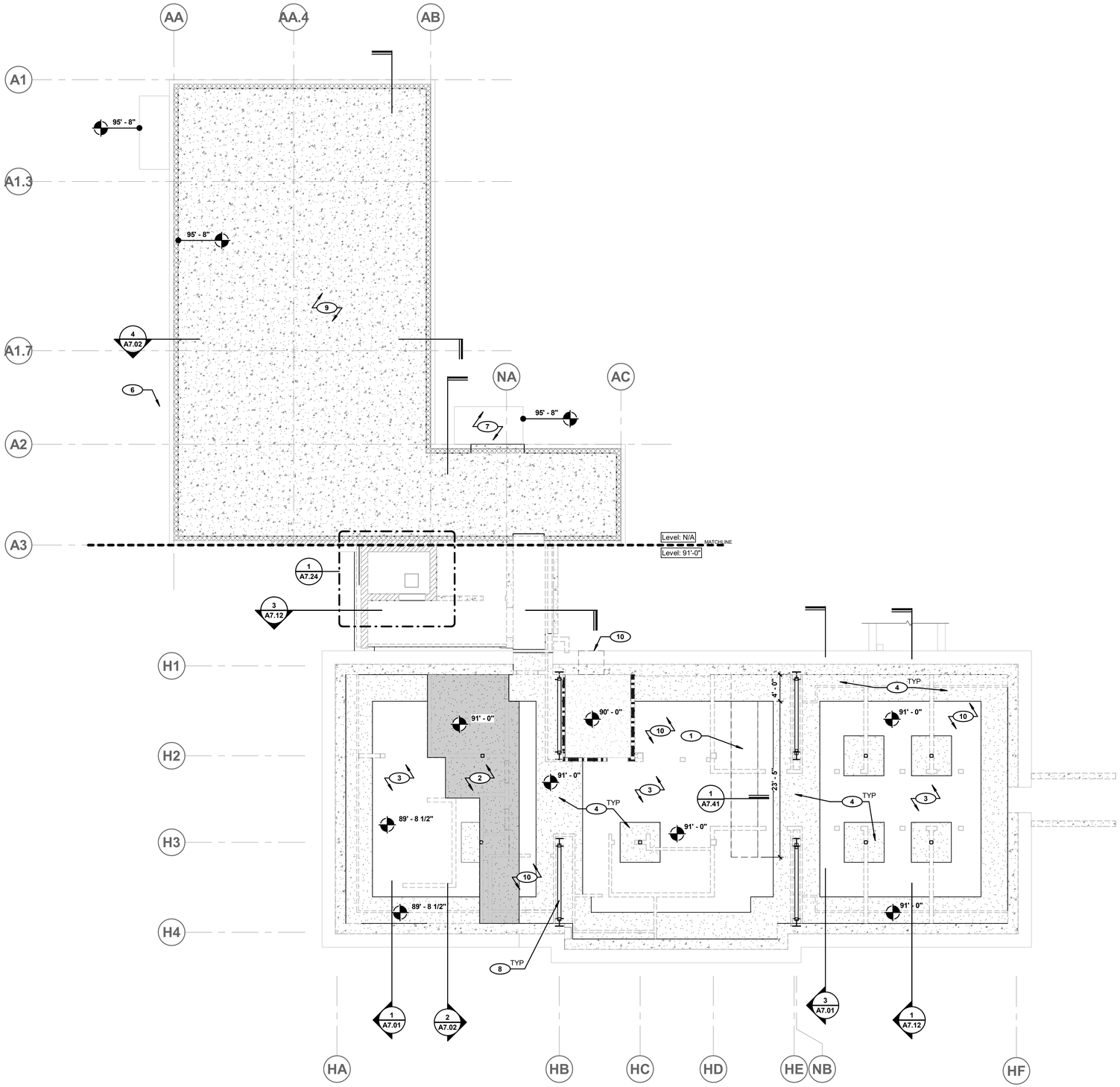
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
BASEMENT LEVEL - DIMENSION PLAN

Date: SEPTEMBER 23, 2022
Sheet No:

A1.11D



1 HEROES BASEMENT LEVEL - SLAB PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF CONCRETE SLAB AND/OR FACE OF WALL, UNLESS NOTED OTHERWISE
2. ALL DIMENSIONS ARE TO THE CENTERLINE OF FLOOR OPENING, CHASE & PENETRATION; I.E. FLOOR DRAINS, FLOOR SINKS & FLOOR BOXES, UNLESS NOTED OTHERWISE
3. FLOOR DRAINS AND/OR FLOOR SINKS, COORDINATE EXACT LOCATIONS WITH PLUMBING DRAWINGS
4. IF FIRE RESISTANCE RATING IS REQUIRED AT PENETRATING ITEMS THROUGH CONCRETE SLAB, ANNULAR SPACE SHALL BE FILLED WITH APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF SMOKE / FLAME AND OTHER PRODUCTS OF COMBUSTION

KEYNOTES

1. NEW UNDER SLAB MECHANICAL CHASE LOCATION
2. NEW CONCRETE FLOOR EXTENSION - REFER TO STRUCTURAL DRAWINGS
3. EXISTING FLOOR SLAB TO REMAIN
4. NEW CONCRETE SLAB INFILL - REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION
6. NEW FOUNDATION VENTILATION WELL
7. NEW SLAB ON GRADE ENTRY
8. STRUCTURAL BRACE FRAMES - REFER TO STRUCTURAL DRAWINGS
9. NEW CONCRETE SLAB ON GRADE - REFER TO STRUCTURAL DRAWINGS
10. NEW SELF LEVELING FLOOR REPAIR THROUGHOUT INSTALLED PRIOR TO FINISH FLOORING INSTALLATION - TYP.

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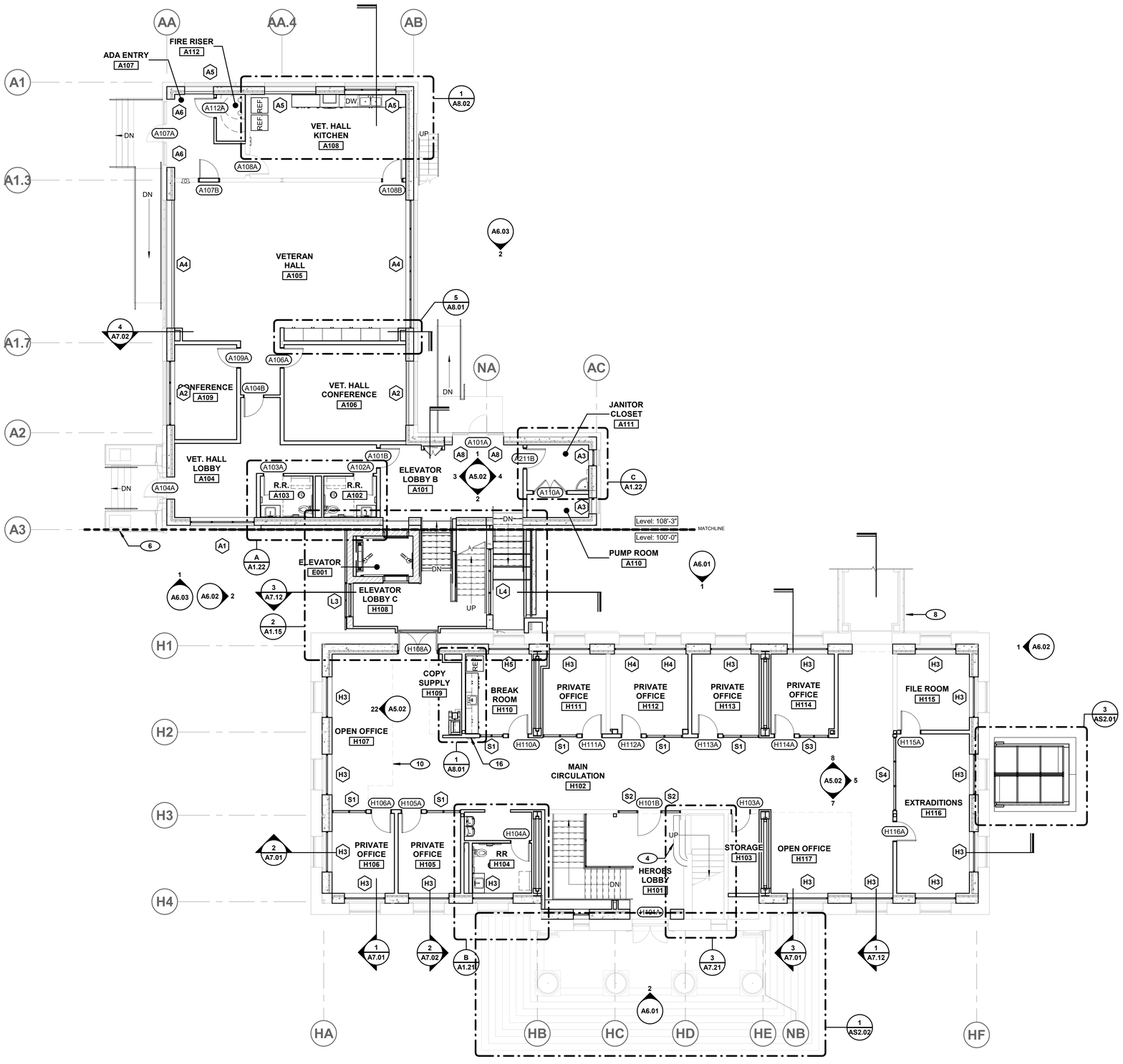
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REVISIONS		
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Sheet Title
BASEMENT LEVEL - SLAB PLAN

Date: SEPTEMBER 23, 2022
Sheet No:

A1.11S



1 HEROES LEVEL 1 - FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

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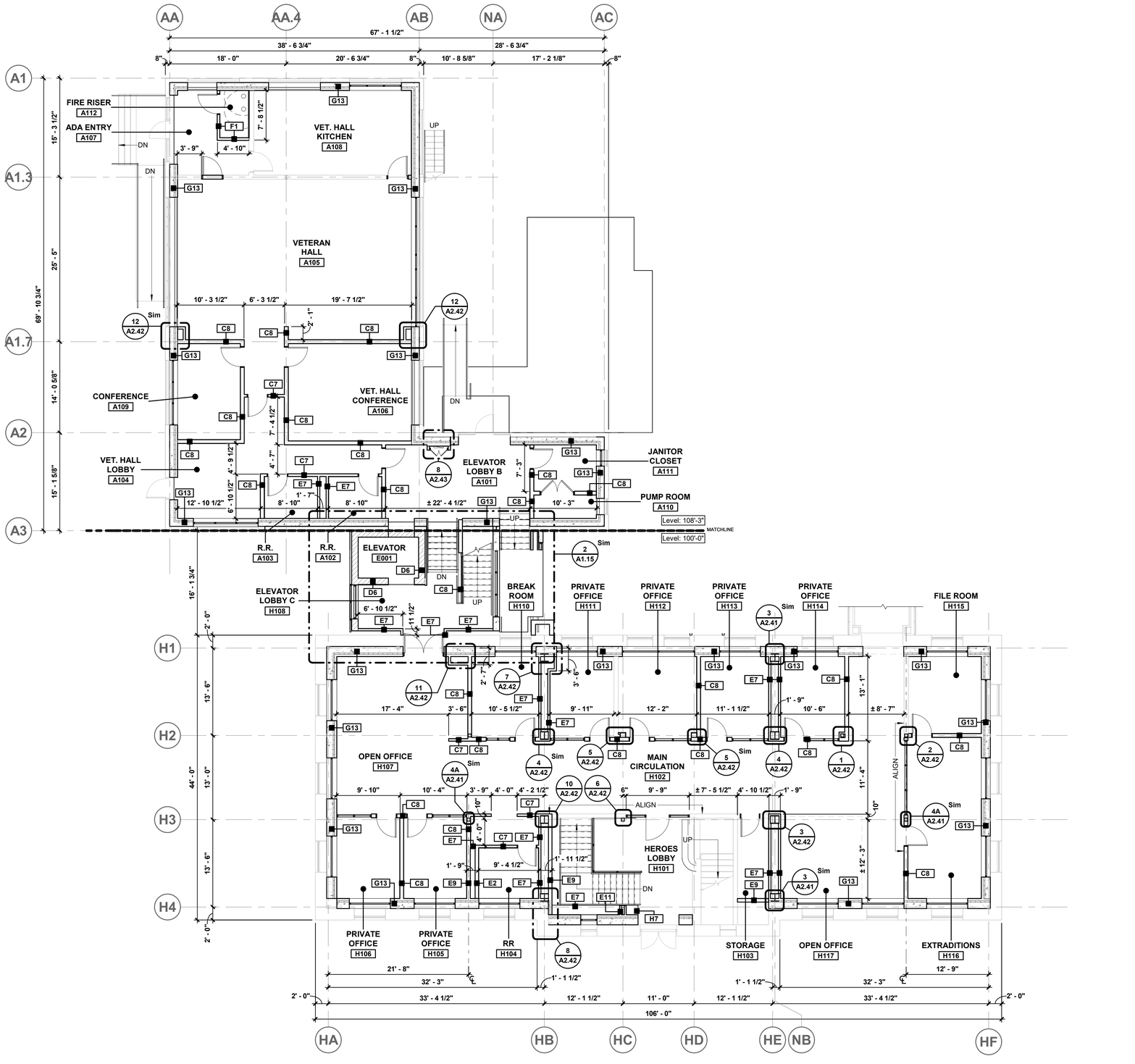
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REV	DATE	DESCRIPTION

Sheet Title
LEVEL 1 - FLOOR PLAN

Date: SEPTEMBER 23, 2022
Sheet No:

A1.12



1 HEROES LEVEL 1 -DIMENSION PLAN

SCALE: 1/8" = 1'-0"

NORTH

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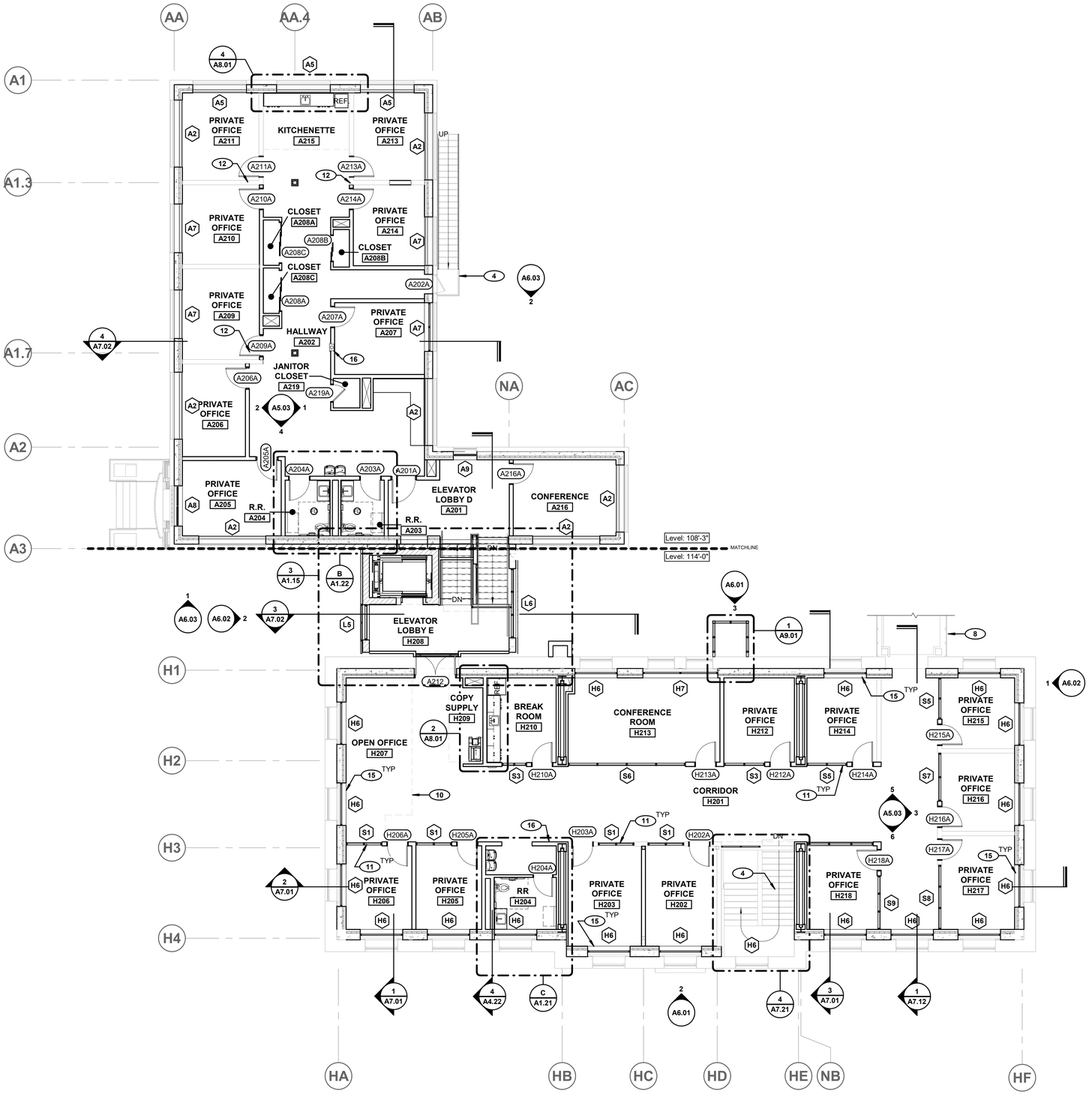
Sheet Title

LEVEL 1 - DIMENSION PLAN

Date: SEPTEMBER 23, 2022

Sheet No:

A1.12D



1 HEROES LEVEL 2 - FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

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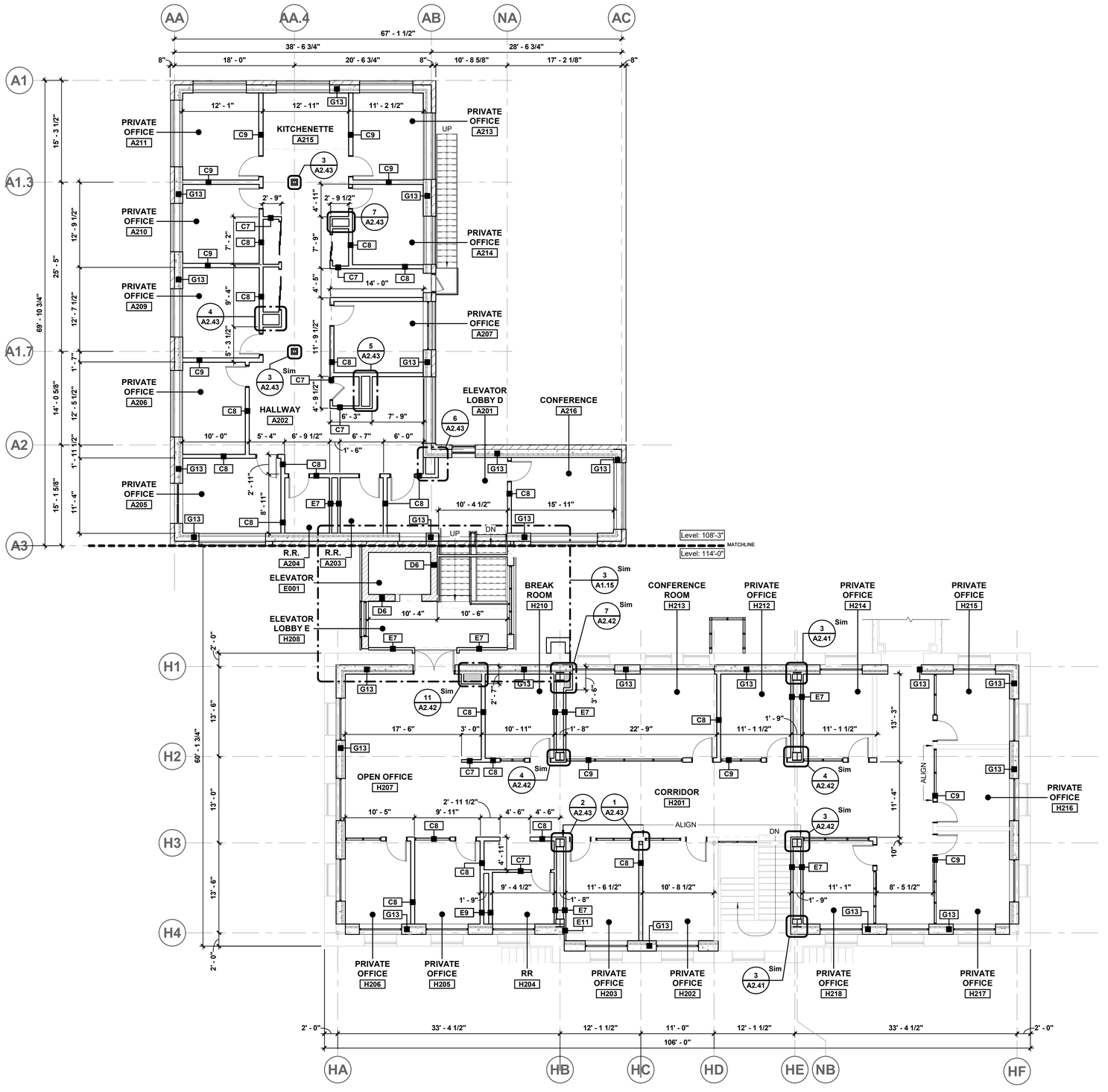
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LEVEL 2 - FLOOR PLAN

Date: SEPTEMBER 23, 2022

Sheet No:

A1.13



1 HEROES LEVEL 2 - DIMENSION PLAN
SCALE: 1/8" = 1'-0"

NORTH

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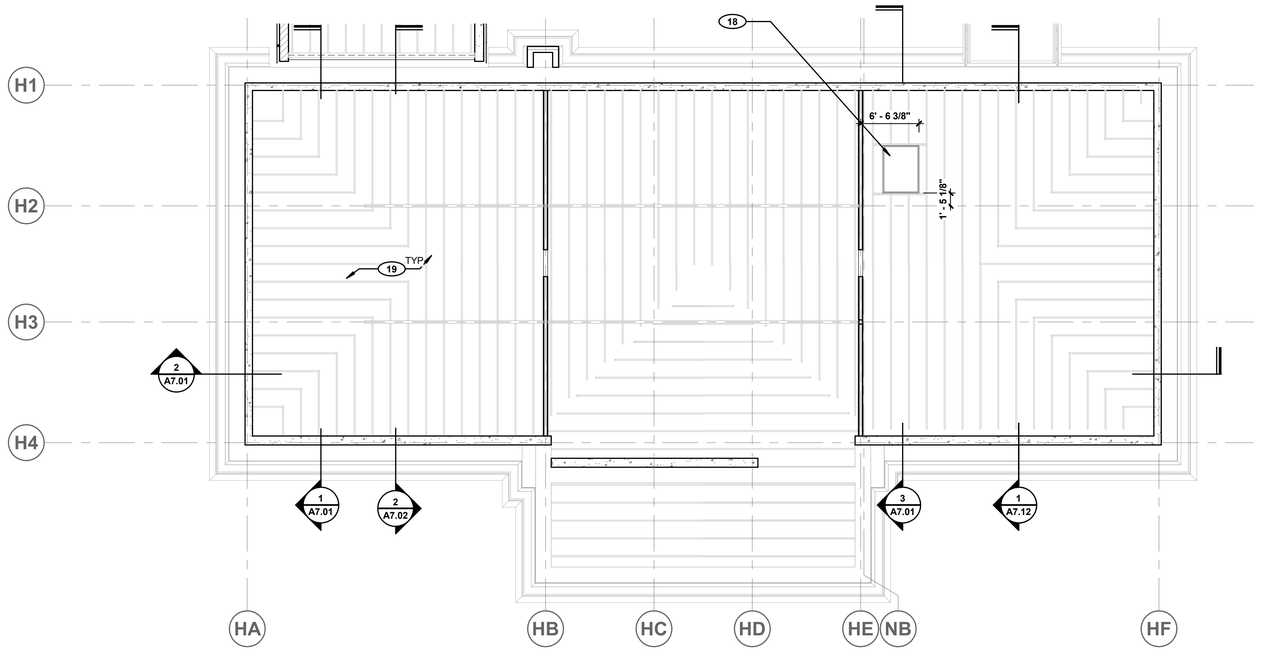
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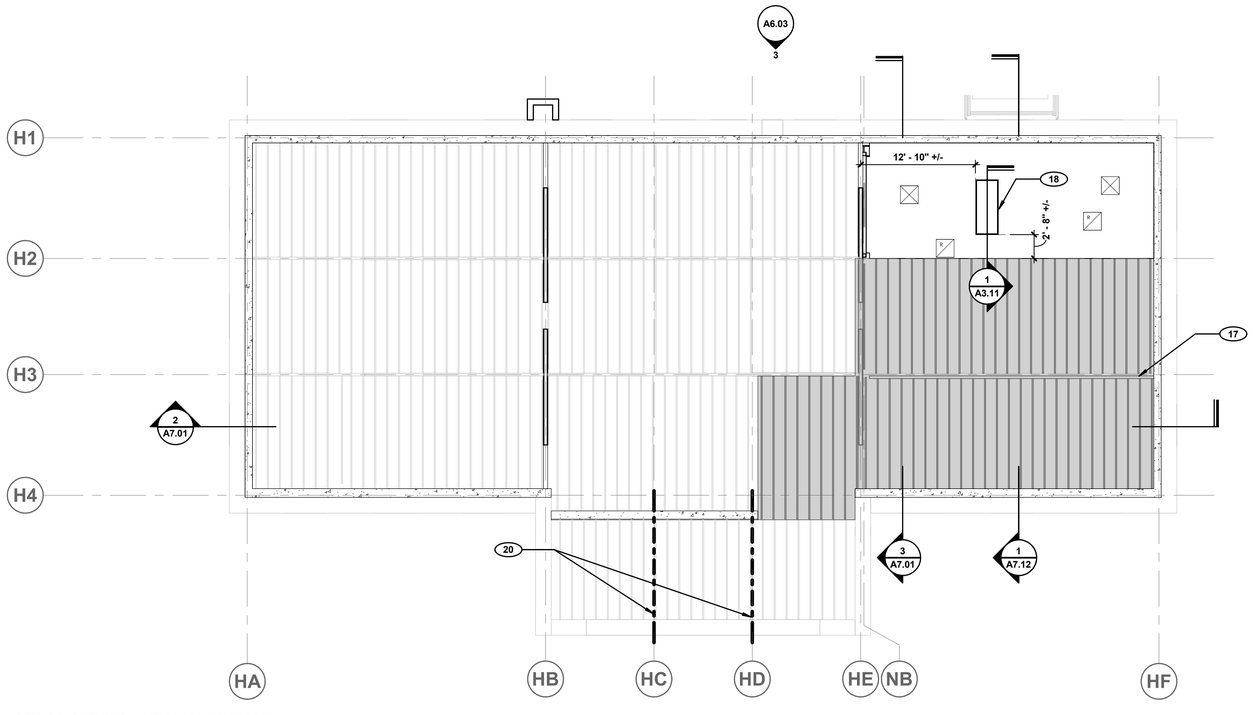
Sheet Title
LEVEL 2 - DIMENSION PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
A1.13D



2 HEROES ATTIC - REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"



1 ATTIC LEVEL - FLOOR PLAN

SCALE: 1/8" = 1'-0"

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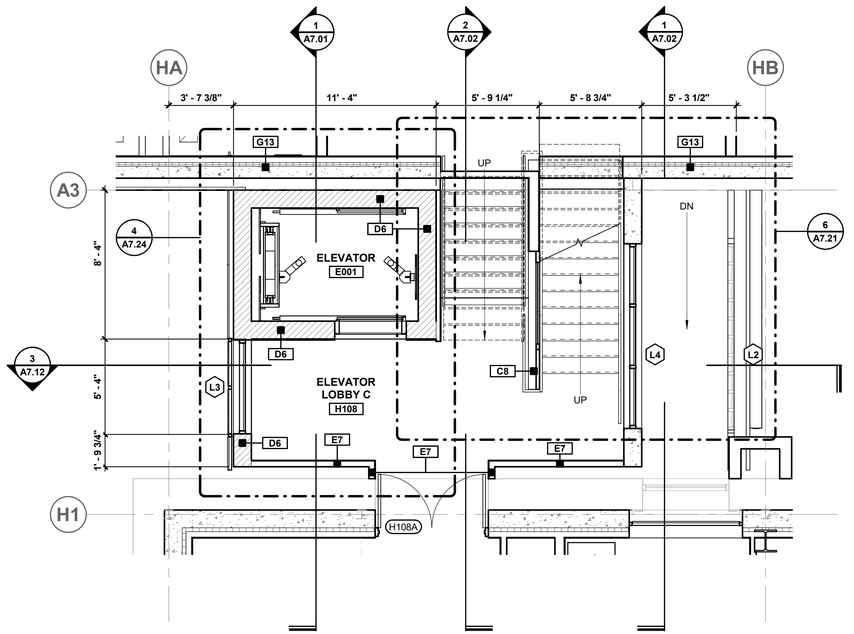
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ATTIC LEVEL - FLOOR PLAN

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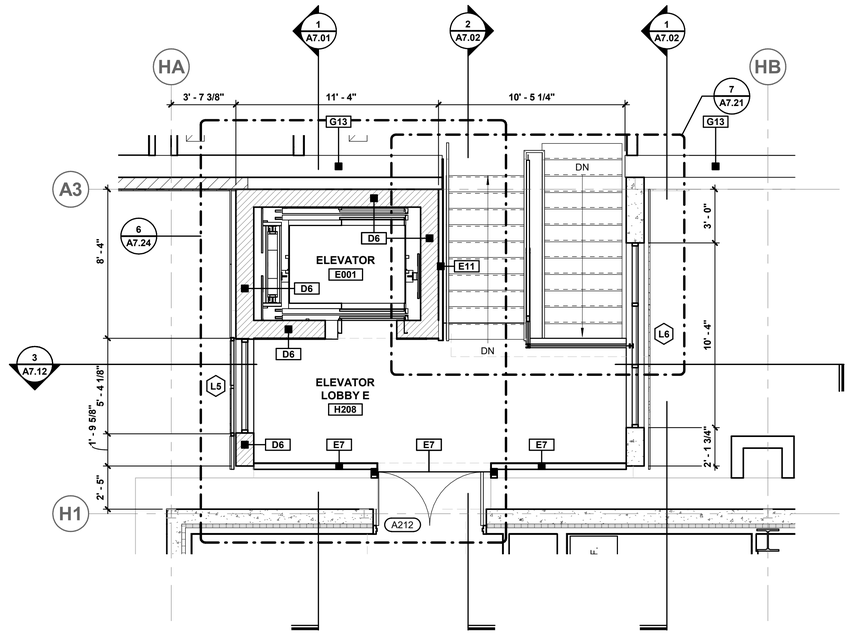
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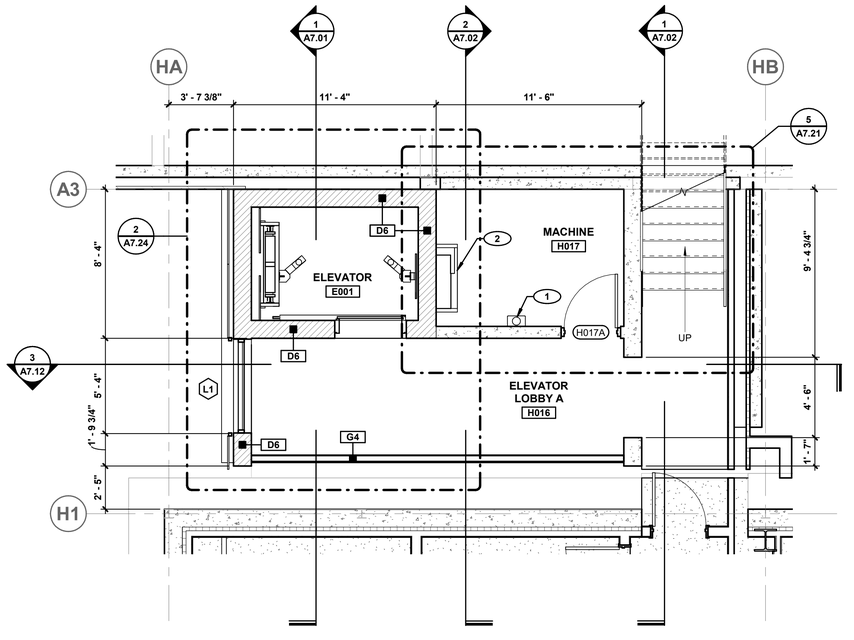
2 LEVEL 1 - LINK FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH



3 LEVEL 2 - LINK FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH



1 BASEMENT LEVEL - LINK FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH

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8. REFER TO SHEETS A8.XX SERIES FOR CASEWORK PLANS AND ELEVATIONS
9. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONTRACT DOCUMENTS AS SOON AS POSSIBLE.

KEYNOTES

1. SURFACE MOUNTED FIRE EXTINGUISHER CABINET (FEC)
2. ELEVATOR CONTROL - REFER TO ELEVATOR MANUFACTURER SPECIFICATIONS

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www.tska.com

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PLEASE RECYCLE

Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

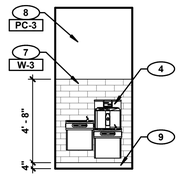
50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

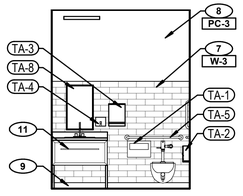
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Date: SEPTEMBER 23, 2022
Sheet No:

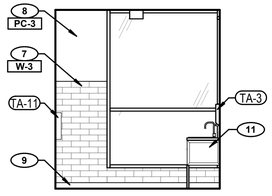
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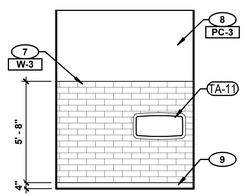
15 CORRIDOR H201 - FOUNTAIN
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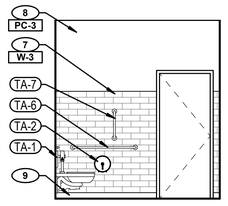
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13 RR H204 - SOUTH
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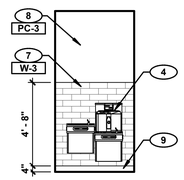
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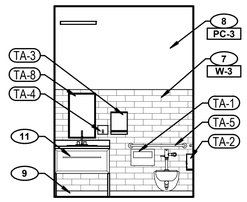
11 RR H204 - NORTH
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TOILET ACCESSORIES SCHEDULE			
SYMBOL	DESCRIPTION	MANUFACTURER	MFR. NO.
TA-1	TOILET SEAT COVER DISPENSER	BOBRICK	B-221
TA-2	JUMBO ROLL TOILET TISSUE DISPENSER	BOBRICK	B-2890
TA-3	HAND TOWEL ROLL DISPENSER	TORK	771728 H71
TA-4	TOUCH-FREE SOAP DISPENSER	GOJO INDUSTRIES	CS6
TA-5	1-1/4" DIA. S.S. GRAB BAR W/ SNAP FLANGE	BOBRICK	B-5806x36
TA-6	1-1/4" DIA. S.S. GRAB BAR W/ SNAP FLANGE	BOBRICK	B-5806x42
TA-7	1-1/4" DIA. S.S. GRAB BAR W/ SNAP FLANGE	BOBRICK	B5806x18
TA-8	MIRROR W/ S.S. FRAME	BOBRICK	B-165
TA-9	RECESSED WASTE RECEPTACLE	BOBRICK	B-3644
TA-10	UTILITY SHELF WITH MOP/BROOM HOLDER AND RAG HOOKS	BOBRICK	224x36
TA-11	BABY CHANGING STATION	KOALA BEAR CARE	KB-100-ST

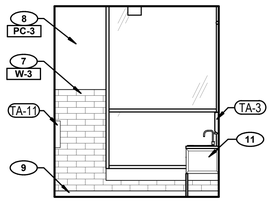
NOTES:
1. ALL ELEVATIONS ARE TO TOP OF UNIT (UNLESS NOTED OTHERWISE)
2. SEE G1.01- G1.02- G1.03 FOR ALL MOUNTING HEIGHT REQUIREMENTS



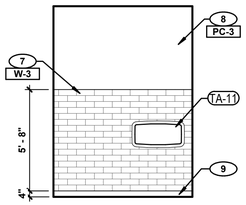
10 MAIN CIRCULATION H102 - FOUNTAIN
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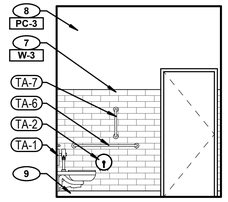
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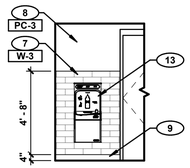
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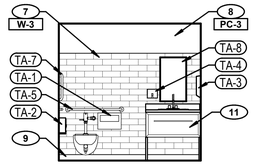
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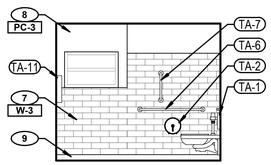
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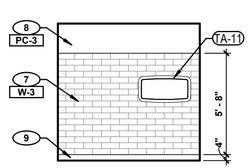
5 CIRCULATION H001 - FOUNTAIN
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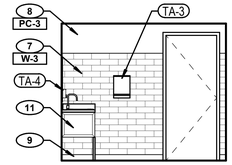
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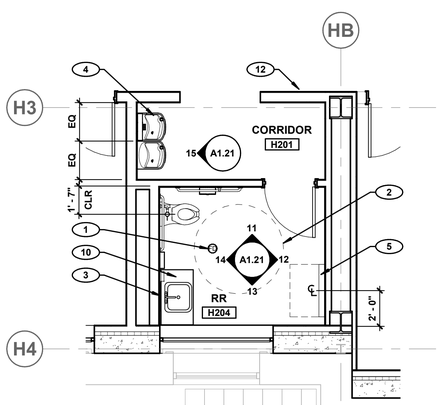
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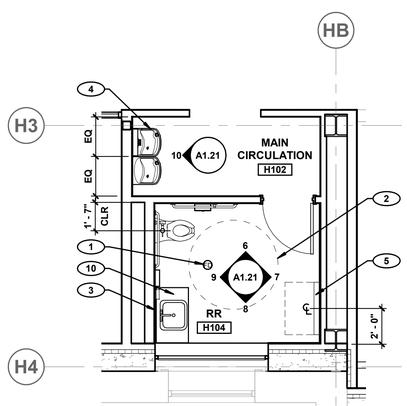
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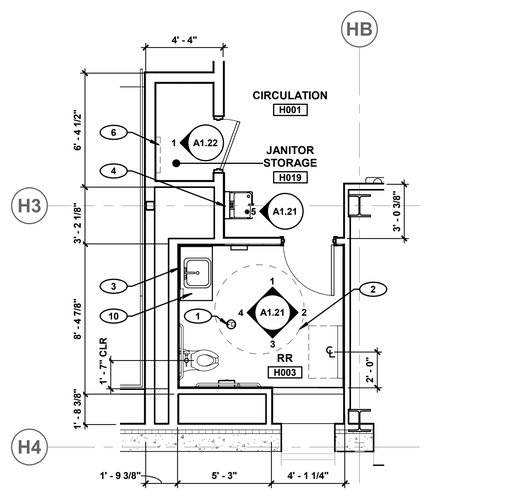
1 RR H003 - NORTH
SCALE: 1/4" = 1'-0"



C HEROES LEVEL 2 - RESTROOM H204
SCALE: 1/4" = 1'-0"
NORTH



B HEROES LEVEL 1 - RESTROOM H104
SCALE: 1/4" = 1'-0"
NORTH



A HEROES BASEMENT LEVEL - RESTROOM H003
SCALE: 1/4" = 1'-0"
NORTH

GENERAL NOTES

1. REFER TO GENERAL ACCESSIBILITY DETAILS ON SHEET G1.04 FOR TYPICAL ACCESSIBILITY FIXTURE, GRAB BAR AND ACCESSORY MOUNTING HEIGHTS AND LOCATIONS
2. "ACC." DENOTES AN ACCESSIBLE FIXTURE, REFERENCE SHEETS G1.02 AND G1.04
3. ALL LAVATORY DRAIN PIPES AND HOT WATER PIPES TO BE INSULATED OR COVERED
4. ALL GRAB BARS SHALL BE 1-1/2" CLEAR AWAY FROM FINISH WALL
5. GRAB BAR FASTENERS AND MOUNTING SUPPORTS SHALL BE ABLE TO WITHSTAND 250 LBS. PER FOOT IN BONDING, SHEAR AND TENSION
6. PROVIDE SUFFICIENT SOLID BLOCKING OR BACKING FOR ALL WALL-MOUNTED TOILET ACCESSORIES
7. REFER TO SHEET A2.01 FOR ROOM FINISH AND MATERIAL SCHEDULE. REFER TO A8.XX SERIES FOR CASEWORK PLANS AND ELEVATIONS

KEYNOTES

1. FLOOR DRAIN, REFER TO PLUMBING DRAWINGS
2. 5'-0" ACCESSIBLE TURN RADIUS, TYPICAL
3. MIRROR, REFER TO TOILET ACCESSORIES SCHEDULE
4. DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS
5. BABY CHANGING STATION, REFER TO TOILET ACCESSORIES SCHEDULE
6. UTILITY SHELF WITH MOP / BROOM HOLDER, REFER TO TOILET ACCESSORIES SCHEDULE
7. CERAMIC WALL TILE FINISH, REFER TO MATERIAL AND ROOM FINISH SCHEDULE
8. PAINTED GYPSUM BOARD, REFER TO ROOM FINISH SCHEDULE
9. INTEGRAL WALL BASE, REFER TO MATERIAL AND ROOM FINISH SCHEDULE
10. SOLID SURFACE COUNTERTOP (SS-1), REFER TO MATERIAL SCHEDULE
11. VANITY CABINET, REFER TO SPECIFICATIONS
12. FULLY RECESSED FIRE EXTINGUISHER CABINET (FEC)
13. SINGLE ADA COMPLIANT DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS
14. MOP SINK, REFER TO PLUMBING DRAWINGS
15. FRL WALL FINISH, REFER TO MATERIAL AND ROOM FINISH SCHEDULE

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

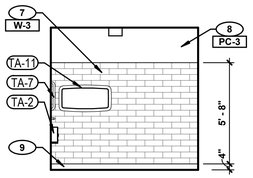
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

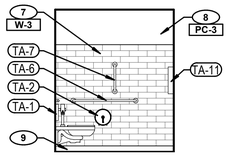
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Sheet Title
ENLARGED RESTROOM PLANS & ELEVATIONS

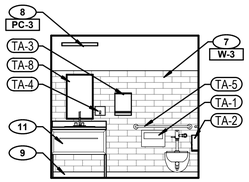
Date: SEPTEMBER 23, 2022
Sheet No:
A1.21



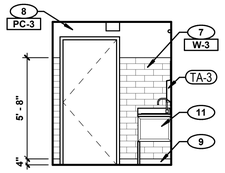
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18 RR A204 - SOUTH
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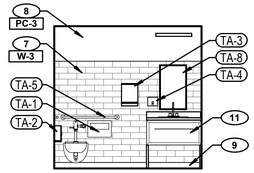
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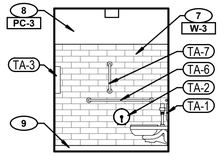
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TOILET ACCESSORIES SCHEDULE			
SYMBOL	DESCRIPTION	MANUFACTURER	MFR. NO.
TA-1	TOILET SEAT COVER DISPENSER	BOBRICK	B-221
TA-2	JUMBO ROLL TOILET TISSUE DISPENSER	BOBRICK	B-2890
TA-3	HAND TOWEL ROLL DISPENSER	TORK	771728 H71
TA-4	TOUCH-FREE SOAP DISPENSER	GOJO INDUSTRIES	CS6
TA-5	1-1/4" DIA. S.S. GRAB BAR W/ SNAP FLANGE	BOBRICK	B-5806x36
TA-6	1-1/4" DIA. S.S. GRAB BAR W/ SNAP FLANGE	BOBRICK	B-5806x42
TA-7	1-1/4" DIA. S.S. GRAB BAR W/ SNAP FLANGE	BOBRICK	B5806x18
TA-8	MIRROR W/ S.S. FRAME	BOBRICK	B-165
TA-9	RECESSED WASTE RECEPTACLE	BOBRICK	B-3644
TA-10	UTILITY SHELF WITH MOP/BROOM HOLDER AND RAG HOOKS	BOBRICK	224x36
TA-11	BABY CHANGING STATION	KOALA BEAR CARE	KB-100-ST

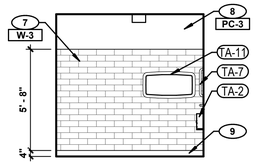
NOTES:
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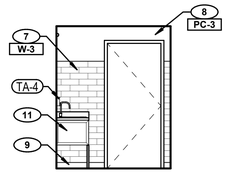
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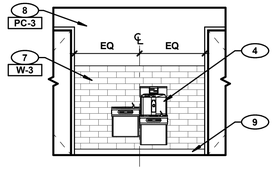
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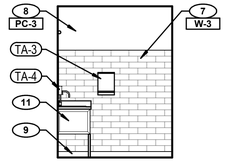
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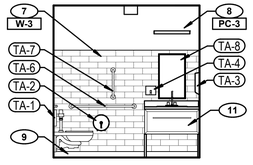
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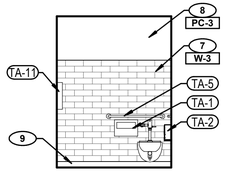
11 HALLWAY A-202 - FOUNTAIN
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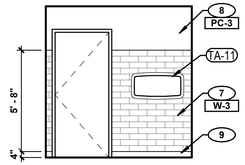
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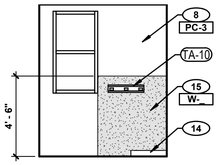
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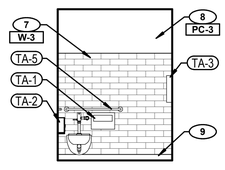
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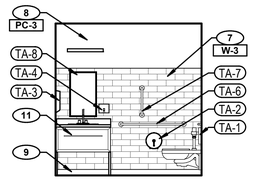
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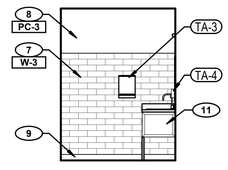
6 JANITOR CLOSET A111 - EAST
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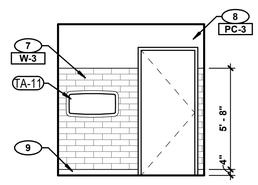
5 RR A102 - WEST
SCALE: 1/4" = 1'-0"



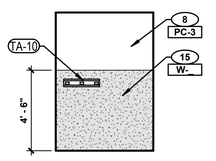
4 RR A102 - SOUTH
SCALE: 1/4" = 1'-0"



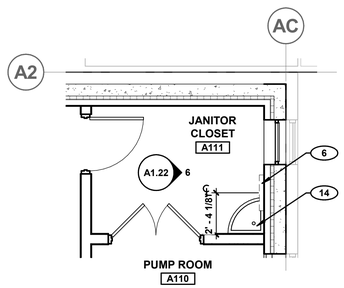
3 RR A102 - EAST
SCALE: 1/4" = 1'-0"



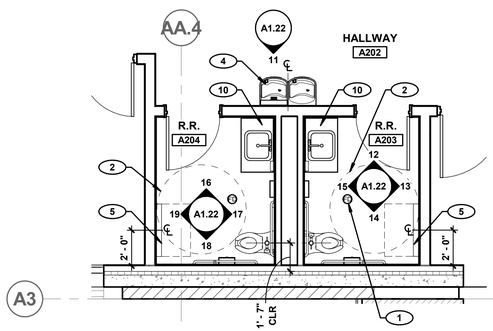
2 RR A102 - NORTH
SCALE: 1/4" = 1'-0"



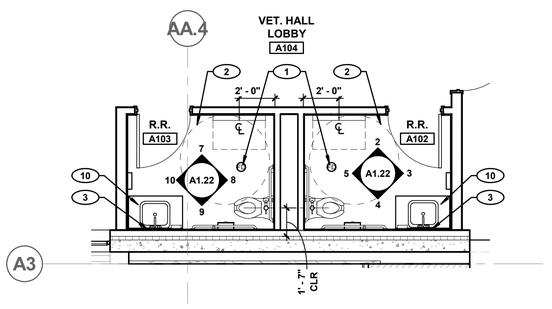
1 JANITOR STORAGE H019 - WEST
SCALE: 1/4" = 1'-0"



C ANNEX LEVEL 2 - JANITOR CLOSET A111
SCALE: 1/4" = 1'-0"



B ANNEX LEVEL 2 - RESTROOMS A203 & A204
SCALE: 1/4" = 1'-0"



A ANNEX LEVEL 1 - RESTROOMS A102 & A103
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO GENERAL ACCESSIBILITY DETAILS ON SHEET G1.04 FOR TYPICAL ACCESSIBILITY FIXTURE, GRAB BAR AND ACCESSORY MOUNTING HEIGHTS AND LOCATIONS
2. "ACC." DENOTES AN ACCESSIBLE FIXTURE, REFERENCE SHEETS G1.02 AND G1.04
3. ALL LAVATORY DRAIN PIPES AND HOT WATER PIPES TO BE INSULATED OR COVERED
4. ALL GRAB BARS SHALL BE 1-1/2" CLEAR AWAY FROM FINISH WALL
5. GRAB BAR FASTENERS AND MOUNTING SUPPORTS SHALL BE ABLE TO WITHSTAND 250 LBS. PER FOOT IN BONDING, SHEAR AND TENSION
6. PROVIDE SUFFICIENT SOLID BLOCKING OR BACKING FOR ALL WALL-MOUNTED TOILET ACCESSORIES
7. REFER TO SHEET A2.01 FOR ROOM FINISH AND MATERIAL SCHEDULE. REFER TO A8.XX SERIES FOR CASEWORK PLANS AND ELEVATIONS

KEYNOTES

1. FLOOR DRAIN, REFER TO PLUMBING DRAWINGS
2. 5'-0" ACCESSIBLE TURN RADIUS, TYPICAL
3. MIRROR, REFER TO TOILET ACCESSORIES SCHEDULE
4. DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS
5. BABY CHANGING STATION, REFER TO TOILET ACCESSORIES SCHEDULE
6. UTILITY SHELF WITH MOP / BROOM HOLDER, REFER TO TOILET ACCESSORIES SCHEDULE
7. CERAMIC WALL TILE FINISH, REFER TO MATERIAL AND ROOM FINISH SCHEDULE
8. PAINTED GYPSUM BOARD, REFER TO ROOM FINISH SCHEDULE
9. INTEGRAL WALL BASE, REFER TO MATERIAL AND ROOM FINISH SCHEDULE
10. SOLID SURFACE COUNTERTOP (SS-1), REFER TO MATERIAL SCHEDULE
11. VANITY CABINET, REFER TO SPECIFICATIONS
12. FULLY RECESSED FIRE EXTINGUISHER CABINET (FEC)
13. SINGLE ADA COMPLIANT DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS
14. MOP SINK, REFER TO PLUMBING DRAWINGS
15. FRL WALL FINISH, REFER TO MATERIAL AND ROOM FINISH SCHEDULE

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

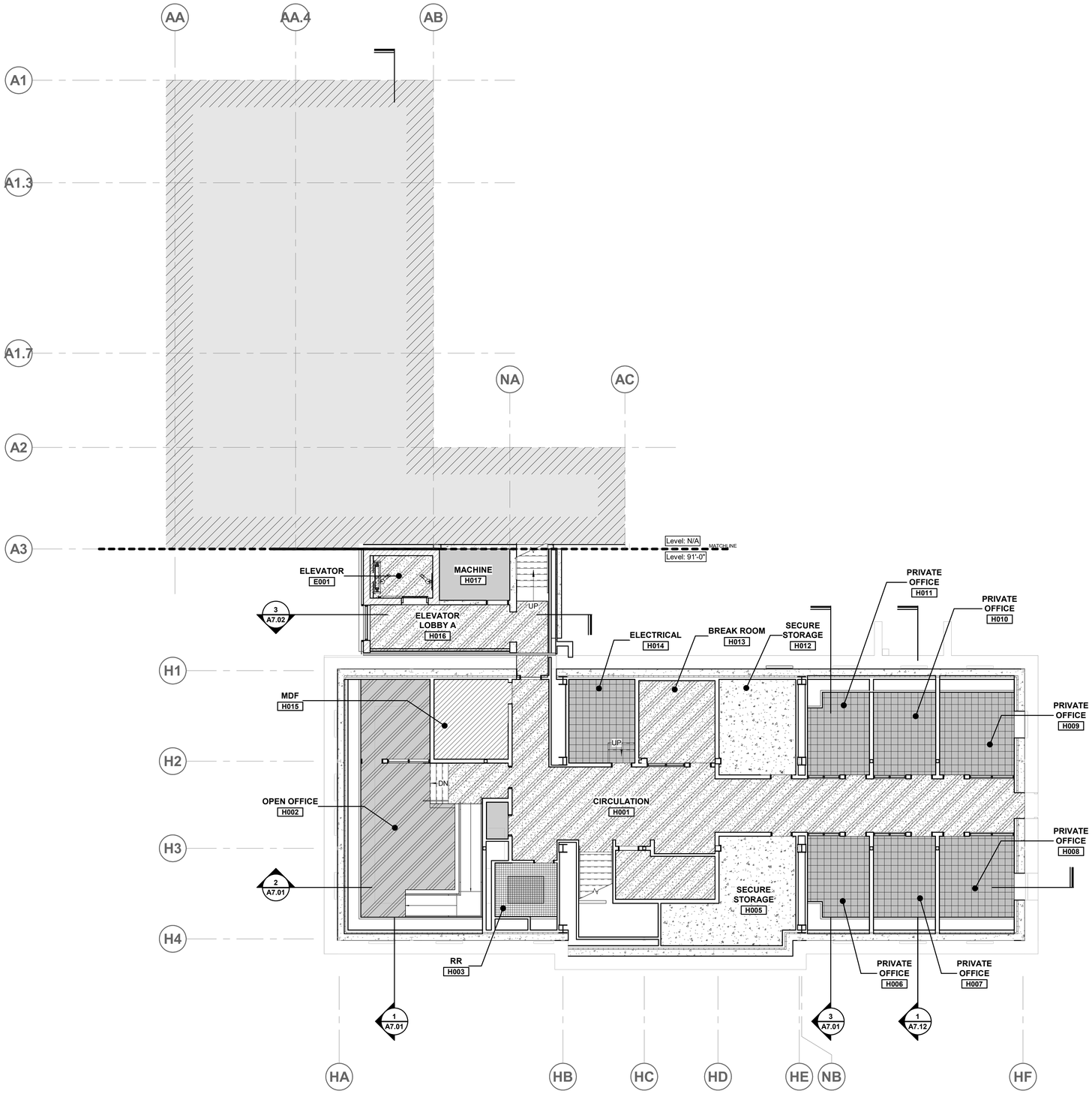
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
ENLARGED RESTROOM PLANS & ELEVATIONS

Date: SEPTEMBER 23, 2022
Sheet No:
A1.22



1 BASEMENT LEVEL - FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN FROM GRIDLINES, FACE OF STUD, MASONRY, OR CONCRETE UNLESS NOTED OTHERWISE
2. CORNER GUARD CG-1 ON EVERY WALL OUTSIDE WALL CORNER, UNLESS NOTED OTHERWISE
3. REFER TO SHEET A2.01 FOR ROOM FINISH AND PAINT COLOR SCHEDULE
4. SLOPE FINISH FLOORS 1/8" PER FT. TOWARDS FLOOR DRAINS, TYPICAL

KEYNOTES

LEGEND

- (F-1) NEOCONCRETE COLORBODY PORCELAIN
- (F-2) IDEOLOGY GLAZED PORCELAIN
- (F-3) RIGIT CORE LVT
- (F-4) LVT
- (F-5) LVT
- (F-6) CARPET TILE
- (F-7) BROADLOOM CARPET
- (F-8) CARPET TILE
- (F-9) CARPET TILE
- (F-10) NATURAL STONE - MARBLE
- (F-11) STATIC CONTROL FLOORING
- (F-12) IDEOLOGY GLAZED PORCELAIN
- (F-13) SEALED CONCRETE
- FD FLOOR DRAIN / AREA DRAIN

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SPWD Project No. 21-P02

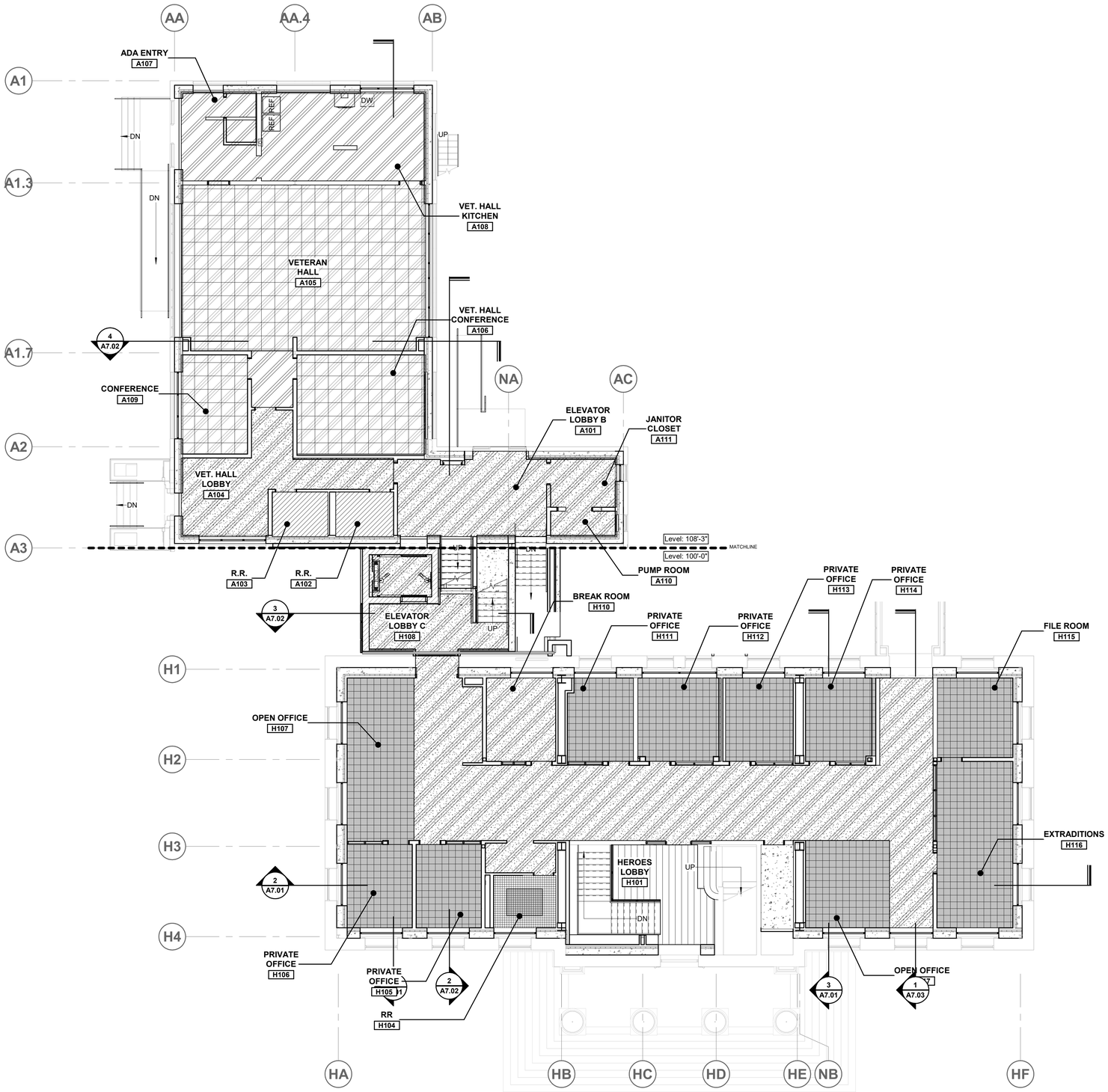
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
BASEMENT LEVEL - FLOOR FINISH PLAN

Date: SEPTEMBER 23, 2022
Sheet No:

A1.31



1 LEVEL 1 - FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN FROM GRIDLINES, FACE OF STUD, MASONRY, OR CONCRETE UNLESS NOTED OTHERWISE
2. CORNER GUARD CG-1 ON EVERY WALL OUTSIDE WALL CORNER, UNLESS NOTED OTHERWISE
3. REFER TO SHEET A2.01 FOR ROOM FINISH AND PAINT COLOR SCHEDULE
4. SLOPE FINISH FLOORS 1/8" PER FT. TOWARDS FLOOR DRAINS, TYPICAL

KEYNOTES

LEGEND

- (F-1) NEOCONCRETE COLORBODY PORCELAIN
- (F-2) IDEOLOGY GLAZED PORCELAIN
- (F-3) RIGIT CORE LVT
- (F-4) LVT
- (F-5) LVT
- (F-6) CARPET TILE
- (F-7) BROADLOOM CARPET
- (F-8) CARPET TILE
- (F-9) CARPET TILE
- (F-10) NATURAL STONE - MARBLE
- (F-11) STATIC CONTROL FLOORING
- (F-12) IDEOLOGY GLAZED PORCELAIN
- (F-13) SEALED CONCRETE
- FD / FLOOR DRAIN / AREA DRAIN

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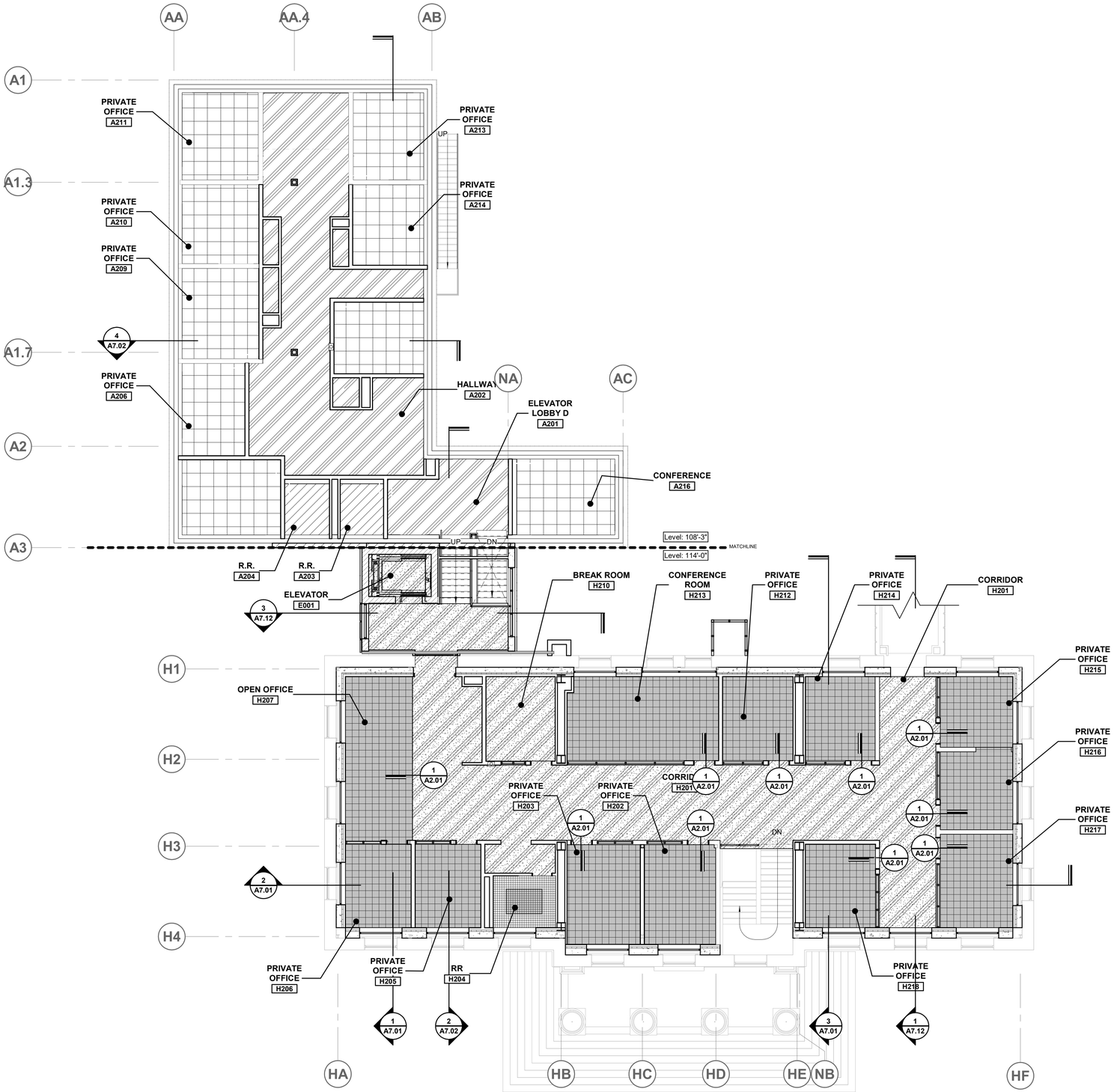
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REV	DATE	DESCRIPTION

Sheet Title
LEVEL 1 - FLOOR FINISH PLAN

Date: SEPTEMBER 23, 2022
Sheet No:

A1.32



1 LEVEL 2 - FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN FROM GRIDLINES, FACE OF STUD, MASONRY, OR CONCRETE UNLESS NOTED OTHERWISE
2. CORNER GUARD CG-1 ON EVERY WALL OUTSIDE WALL CORNER, UNLESS NOTED OTHERWISE
3. REFER TO SHEET A2.01 FOR ROOM FINISH AND PAINT COLOR SCHEDULE
4. SLOPE FINISH FLOORS 1/8" PER FT. TOWARDS FLOOR DRAINS, TYPICAL

KEYNOTES

LEGEND

- (F-1) NEOCONCRETE COLORBODY PORCELAIN
- (F-2) IDEOLOGY GLAZED PORCELAIN
- (F-3) RIGIT CORE LVT
- (F-4) LVT
- (F-5) LVT
- (F-6) CARPET TILE
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- (F-8) CARPET TILE
- (F-9) CARPET TILE
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- (F-13) SEALED CONCRETE
- FD FLOOR DRAIN / AREA DRAIN

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SPWD Project No. 21-P02

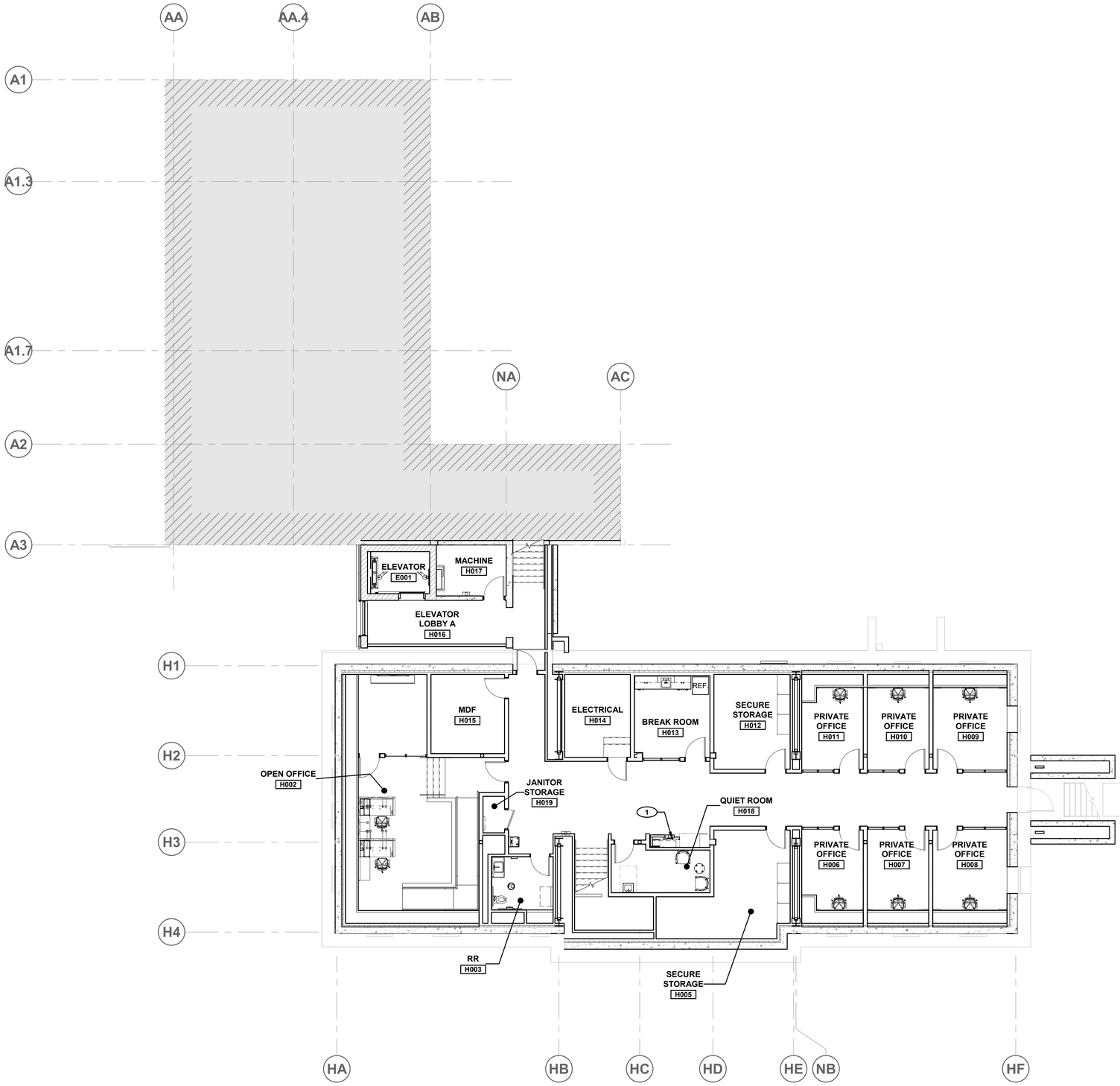
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LEVEL 2 - FLOOR FINISH PLAN

Date: SEPTEMBER 23, 2022
Sheet No:

A1.33



1 BASEMENT LEVEL - FURNITURE PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL FURNITURE IS SHOWN FOR REFERENCE ONLY. FURNITURE WILL BE OWNER FURNISHED, OWNER INSTALLED
2. REFER TO SHEET A2.01 FOR ROOM FINISH SCHEDULE AND MATERIAL SCHEDULE
3. FURNITURE TO COMPLY WITH DETAILS ON THE GENERAL ACCESSIBILITY DETAIL SHEETS, UNLESS NOTED OTHERWISE

KEYNOTES

1. COPY/PRINTER AREA - BASE CABINETS, UPPER CABINETS AND COUNTERTOPS ARE ALL PROPRIETARY - REFER TO FURNITURE SPECIFICATIONS

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Job No: 21-043

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SPWD Project No. 21-P02

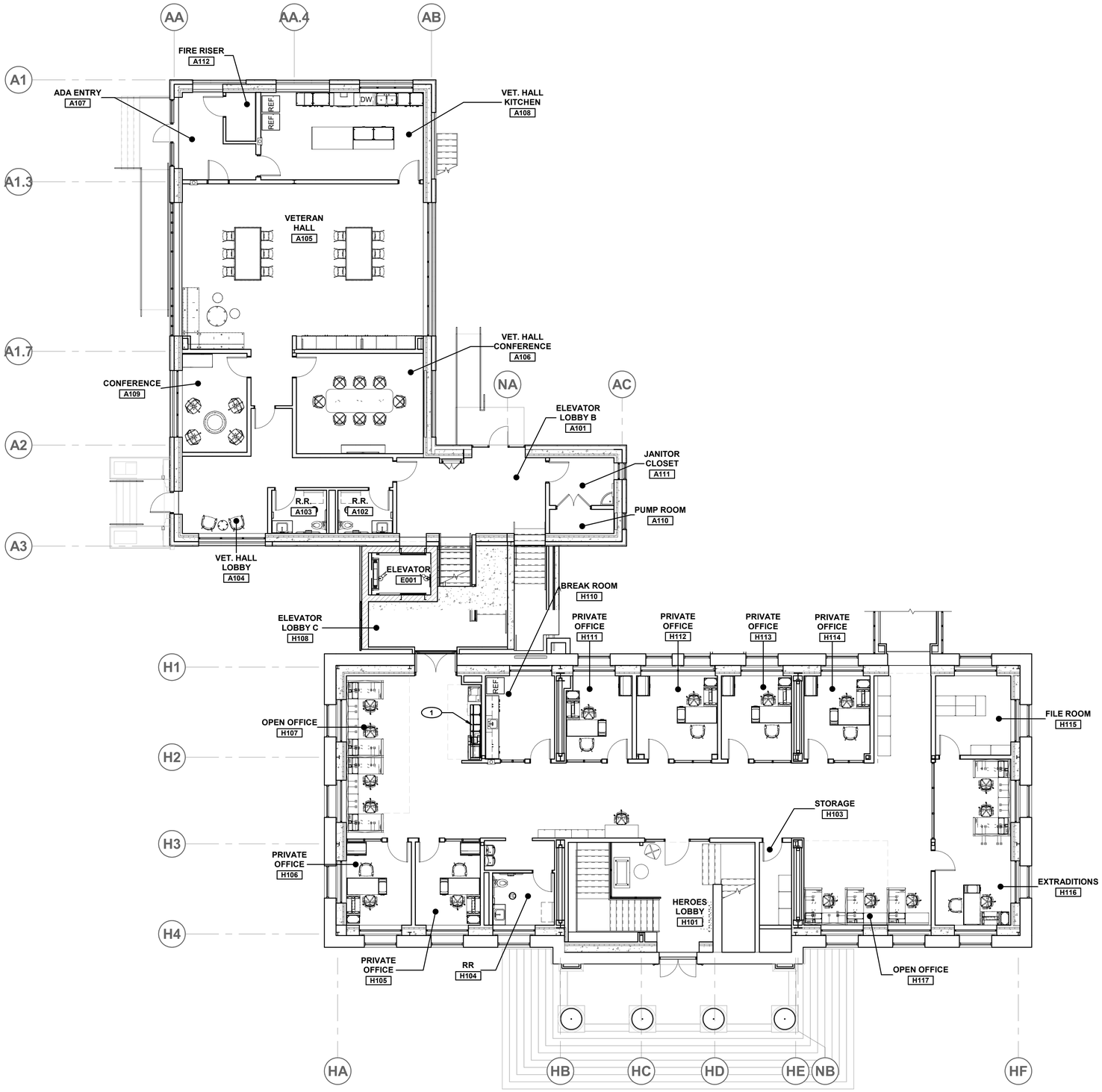
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
BASEMENT LEVEL - FURNITURE PLAN

Date: SEPTEMBER 23, 2022
Sheet No:

A1.41



1 LEVEL 1 - FURNITURE PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL FURNITURE IS SHOWN FOR REFERENCE ONLY. FURNITURE WILL BE OWNER FURNISHED, OWNER INSTALLED
2. REFER TO SHEET A2.01 FOR ROOM FINISH SCHEDULE AND MATERIAL SCHEDULE
3. FURNITURE TO COMPLY WITH DETAILS ON THE GENERAL ACCESSIBILITY DETAIL SHEETS, UNLESS NOTED OTHERWISE

KEYNOTES

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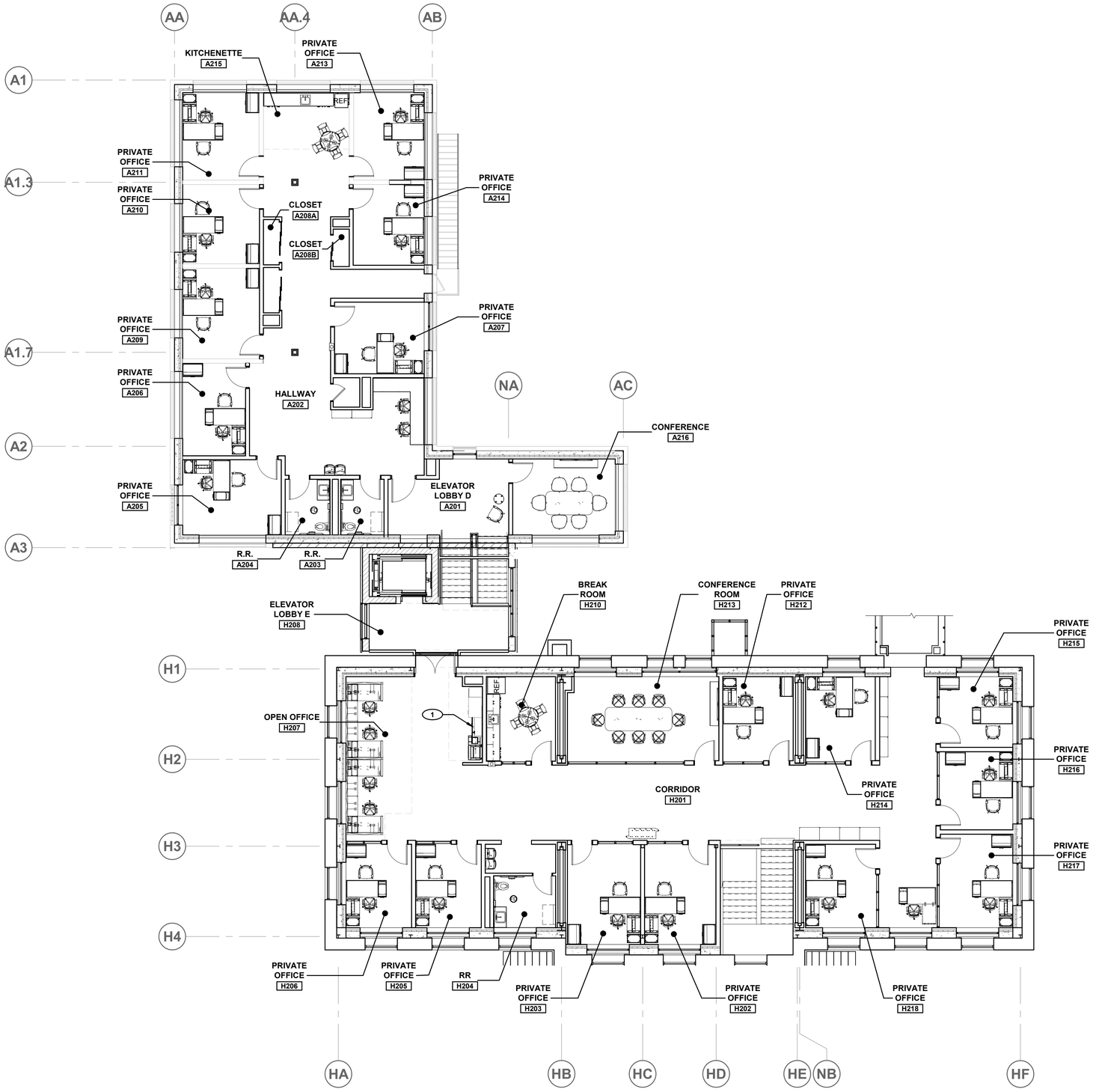
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LEVEL 1 - FURNITURE PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
A1.42



1 LEVEL 2 - FURNITURE PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL FURNITURE IS SHOWN FOR REFERENCE ONLY. FURNITURE WILL BE OWNER FURNISHED, OWNER INSTALLED
2. REFER TO SHEET A2.01 FOR ROOM FINISH SCHEDULE AND MATERIAL SCHEDULE
3. FURNITURE TO COMPLY WITH DETAILS ON THE GENERAL ACCESSIBILITY DETAIL SHEETS, UNLESS NOTED OTHERWISE

KEYNOTES

1. COPY/PRINTER AREA - BASE CABINETS, UPPER CABINETS AND COUNTERTOPS ARE ALL PROPRIETARY - REFER TO FURNITURE SPECIFICATIONS

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198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

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NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LEVEL 2 - FURNITURE PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
A1.43

ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOORING		CEILING	WALLS (ORIENTATION IS BASED ON PROJECT NORTH)				COMMENTS
		MATERIAL	BASE	MATERIAL	NORTH MATERIAL	WEST MATERIAL	SOUTH MATERIAL	EAST MATERIAL	
ANNEX LEVEL 1									
A101	ELEVATOR LOBBY B	F-3	B-1	C-1	PC-3	PC-3	PC-3	PC-3	
A102	R.R.	F-1 & F-2	F-1	C-2	W-2	W-2	W-2	W-2	WALL TILE INSTALLED STACKED, CENTER TILE ACCENT IN THE CENTER OF ROOM.
A103	R.R.	F-1 & F-2	F-1	C-2	W-2	W-2	W-2	W-2	
A104	VET. HALL LOBBY	F-4	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
A105	VETERAN HALL	F-8	B-1	C-1	PC-2	PC-2	PC-2	PC-2	
A106	VET. HALL CONFERENCE	F-8	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
A107	ADA ENTRY	F-4	B-1	C-2	PC-3	PC-3	PC-3	PC-3	
A108	VET. HALL KITCHEN	F-4	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
A109	CONFERENCE								
A110	PUMP ROOM	F-11	B-1	C-2	PC-5	PC-5	PC-5	PC-5	
A111	JANITOR CLOSET	F-11	B-1	C-2	PC-5	PC-5	PC-5	PC-5	
A112	FIRE RISER	F-11	B-1	C-2	PC-5	PC-5	PC-5	PC-5	
ANNEX LEVEL 2									
A201	ELEVATOR LOBBY D	F-3	B-1	C-1	PC-3	PC-3	PC-3	PC-3	
A202	HALLWAY	F-4	B-1	C-2	PC-2	PC-2	PC-2	PC-2	
A203	R.R.	F-1 & F-2	F-1	C-2	W-2	W-2	W-2	W-2	WALL TILE INSTALLED STACKED, CENTER TILE ACCENT IN THE CENTER OF ROOM.
A204	R.R.	F-1 & F-2	F-1	C-2	W-2	W-2	W-2	W-2	WALL TILE INSTALLED STACKED, CENTER TILE ACCENT IN THE CENTER OF ROOM.
A205	PRIVATE OFFICE	F-9	B-1	C-2	PC-1	PC-1	PC-1	PC-3	
A206	PRIVATE OFFICE	F-9	B-1	C-2	PC-3	PC-1	PC-1	PC-1	
A207	PRIVATE OFFICE	F-9	B-1	C-2	PC-3	PC-1	PC-1	PC-1	
A208A	CLOSET	F-4	B-1	C-2	PC-2	PC-2	PC-2	PC-2	
A208B	CLOSET	F-4	B-1	C-2	PC-2	PC-2	PC-2	PC-2	
A208C	CLOSET	F-4	B-1	C-2	PC-2	PC-2	PC-2	PC-2	
A209	PRIVATE OFFICE	F-9	B-1	C-2	PC-1	PC-1	PC-3	PC-1	
A210	PRIVATE OFFICE	F-9	B-1	C-2	PC-3	PC-1	PC-1	PC-1	
A211	PRIVATE OFFICE	F-9	B-1	C-2	PC-1	PC-1	PC-3	PC-1	
A213	PRIVATE OFFICE	F-9	B-1	C-2	PC-3	PC-1	PC-1	PC-1	
A214	PRIVATE OFFICE	F-9	B-1	C-2	PC-3	PC-1	PC-1	PC-1	
A215	KITCHENETTE	F-4	B-1	C-2	PC-1	PC-1	PC-1	PC-1	
A216	CONFERENCE	F-9	B-1	C-2	W-1	PC-5	PC-5	PC-5	
A219	JANITOR CLOSET	F-4	B-1	C-2	PC-2	PC-2	PC-2	PC-2	
HEROES BASEMENT									
E001	ELEVATOR	F-3	B-1	C-2	PC-5	PC-3	PC-3	PC-3	
H001	CIRCULATION	F-3	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H002	OPEN OFFICE	F-5	B-1	C-2	W-5	PC-5	W-5	W-5	
H003	RR	F-1 & F-2	F-1	C-2	W-2	W-2	W-2	W-2	WALL TILE INSTALLED STACKED, CENTER TILE ACCENT IN THE CENTER OF ROOM.
H004	STAIRS	F-3	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H005	SECURE STORAGE	F-11	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H006	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H007	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H008	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H009	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-4	PC-3	PC-4	
H010	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-4	PC-3	PC-4	
H011	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-4	PC-3	PC-4	
H012	SECURE STORAGE	F-3	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H013	BREAK ROOM	F-4	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H014	ELECTRICAL	F-11	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H015	MDF	F-13	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H016	ELEVATOR LOBBY A		B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H017	MACHINE	F-11	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H018	QUIET ROOM	F-6	B-1	C-2	PC-3	PC-3	PC-3	PC-3	
H019	JANITOR STORAGE	F-3	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H021	CONFERENCE	F-4	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H022	COPY SUPPLY	F-4	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
HEROES LEVEL 1									
A218	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H101	HEROES LOBBY	F-10	B-1	C-2	W-6	W-7 & PC-3	W-6, W-7 & PC-3	W-6, W-7 & PC-3	FOLLOW EXISTING MARBLE INSTALLATION AND PATIN ABOVE WITH PC-3, STAIRS USE W-6
H102	MAIN CIRCULATION	F-4	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H103	STORAGE	F-11	B-1	C-2	PC-3	PC-3	PC-3	PC-3	
H104	RR	F-1 & F-2	F-1	C-2	W-2	W-2	W-2	W-2	WALL TILE INSTALLED STACKED, CENTER TILE ACCENT IN THE CENTER OF ROOM.
H105	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H106	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H107	OPEN OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H108	ELEVATOR LOBBY C	F-3	B-1	C-2	PC-5	PC-3	PC-3	PC-3	
H109	COPY SUPPLY	F-3	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H110	BREAK ROOM	F-3	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H111	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H112	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H113	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H114	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H115	FILE ROOM	F-6	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H116	EXTRADITIONS	F-6	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H117	OPEN OFFICE	F-6	B-1	C-2	PC-4	W-1	PC-2	W-1	
H-219	CLOSET	F-11	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
HEROES LEVEL 2									
H201	CORRIDOR	F-3	B-1	C-1	PC-4	PC-4	PC-4	PC-4	
H202	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H203	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H204	RR	F-1 & F-2	F-1	C-2	W-2	W-2	W-2	W-2	WALL TILE INSTALLED STACKED, CENTER TILE ACCENT IN THE CENTER OF ROOM.
H205	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H206	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H207	OPEN OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H208	ELEVATOR LOBBY E	F-3	B-1	C-2	PC-5	PC-3	PC-3	PC-3	
H209	COPY SUPPLY	F-3	B-1	C-2	PC-3	PC-4	PC-3	PC-3	
H210	BREAK ROOM	F-4	B-1	C-2	PC-4	PC-4	PC-4	PC-4	
H212	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-4	PC-3	PC-4	
H213	CONFERENCE ROOM	F-7	B-1	C-2	W-4	W-4	W-4	W-4	
H214	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-4	PC-4	PC-3	
H215	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-3	PC-4	PC-4	
H216	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-4	PC-3	PC-4	
H217	PRIVATE OFFICE	F-6	B-1	C-2	PC-3	PC-4	PC-4	PC-4	
H218	PRIVATE OFFICE	F-6	B-1	C-2	PC-4	PC-3	PC-4	PC-4	

BUILDING MATERIAL SCHEDULE - INTERIOR

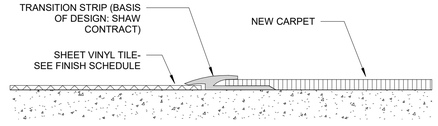
KEY	DESCRIPTION	MANUFACTURER (BASIS OF DESIGN)	MODEL NUMBER	COLOR	REMARKS
BASE					
B-1	EXISTING WOOD BASE	BENJAMIN MOORE STAIN	MATCH TO EXISING PROFILE	AMHERST GRAY HC-167	
CEILING					
C-1	USG ENSEMBLE® ACOUSTICAL DRYWALL—DIRECT MOUNT WALL SYSTEM	USG	SC2863	FLATE WHITE - 050	SPRAY APPLIED FINISH
C-2	MARS™ ACOUSTICAL PANELS	USG	ITEM: 86185	FLATE WHITE - 050	
CORNER GUARDS					
CG-1	1.5" x 1.5" x 60" x 16 GAUGE STAINLESS STEEL CORNER GUARDS	WESTERN FABRICATING LLC	15156016	#4 FINISH	
COUNTERTOP					
SS-1	QUARTZ SOLID SURFACE	CORIAN QUARTZ	SKU: CAV	CALACATTA VILLA	
SS-2	QUARTZ SOLID SURFACE	CORIAN QUARTZ	SKU:CAL	CALACATTA NATURA	
SS-3	QUARTZ SOLID SURFACE	CORIAN QUARTZ	SKU:VLP	VALENTE PEARL	
SS-4	QUARTZ SOLID SURFACE	CORIAN QUARTZ	SKU:VER	VERSILIA GRIGIO	
SS-5	QUARTZ SOLID SURFACE	CORIAN QUARTZ	SKU: BCA	BLUE CARRARA	
FLOORING					
F-1	IDEOLOGY GLAZED PORCELAIN	AMERICAN OLEAN / DALTILE	IL10 SQUARE 24x24 MATTE	CARRARA WHITE IL10	STRAIGHT JOINT STACKED WITH DECORATIVE ACCENT CENTERED IN ROOM
F-2	IDEOLOGY GLAZED PORCELAIN - DECORATIVE ACCENT	AMERICAN OLEAN / DALTILE	IL13 DECORATIVE ACCENT	CARRARA WHITE & BLACK IL13	
F-3	RIGID CORE LVT	SHAW CONTRACT	COVER4140V	PERSERVE 07067	
F-4	LVT	SHAW CONTRACT	CUT 0922V	CHARCOAL 22549	
F-5	LVT	SHAW CONTRACT	KIND 4123V	NATURAL 23504	
F-6	CARPET TILE	SHAW CONTRACT	INTENTION TILE 5T360	GLAZE 58761	
F-7	BROADLOOM CARPET	SHAW CONTRACT	CARRARA 5A280	PURE 80516	
F-8	CARPET TILE	SHAW CONTRACT	WEATHERED COLOR TILE	LAKE STILL 88411	
F-9	CARPET TILE	SHAW CONTRACT	SURROUND STRATAWORX 5T421	BLUE HERRING 17481	
F-10	NATURAL STONE - MARBLE	TBD	CALACATTA CARRARA - HONED	CALACATTA CARRARA	MATCH EXISTING IN THICKNESS, PATTERN AND INSTALLATION
F-11	STATIC CONTROL FLOORING	ARMSTRONG FLOORING	EXCELON SDT	BEACH: 51960	
PLASTIC LAMINATE					
PL-6	MILLWORK PLASTIC LAMINATE	WILSONART	60 MATTE	D321-60 BRITTANY BLU	
PL-7	MILLWORK PLASTIC LAMINATE	WILSONART	12 SOFT GRAIN	FIELD ELM 7999	
RAILING					
RL-1					
WALLS					
W-1	VINYL WALLCOVERING	KOROSEAL	ATRA FOCAL	67472	
W-2	IDEOLOGY GLAZED PORCELAIN	AMERICAN OLEAN / DALTILE	CARRARA WHITE IL10	CARRARA WHITE IL10	24 X 48 STACKED - MATTE
W-3	VINYL WALLCOVERING	KOROSEAL	GEOLOOM	COBOLT IRIDIUM GM21-06	
W-4	VINYL WALLCOVERING	KOROSEAL	GEOLOOM	INFINITE SILVER SKIES GM21-09	
W-5	VINYL WALLCOVERING	KOROSEAL	ORION	67282	
W-6	WALL TILE	PORCELANOSA	ICE NEBRASKA TEA	100300114	STACKED, HORIZONAL INSTALL SIZE 18" X 47" - GROUT EPOTECH NATURE BEECH
W-7	NATURAL STONE - MARBLE	TBD	MATCH EXISTING	CALACATTA CARRARA	
WINDOW COVERINGS					
WC-1	MANUAL ROLLER SHADE	MECHO SHADES	MECHO 5/5X	SILVER BIRCH - 1519	THERMOVEIL

BUILDING MATERIAL SCHEDULE - EXTERIOR

KEY	DESCRIPTION	MANUFACTURER (BASIS OF DESIGN)	MODEL NUMBER	COLOR	REMARKS
CMU					
CMU-1					
FIBER CEMENT PANELS					
FCP-1					
METAL COPING					
CP-1					
PERFORATED METAL PANEL					
CM-1					
RAINSCREEN SYSTEM - NATURAL STONE PANEL					
RS-1					

PAINT COLOR SCHEDULE

KEY	DESCRIPTION	COLOR	LOCATION
PC-1	BENJAMIN MOORE	FULL MOON	CEILINGS
PC-2	BENJAMIN MOORE	GREY OWL	OFFICES
PC-3	BENJAMIN MOORE	SMOKE	BATHROOM, VETERANS HALL FOYER, INTERIOR HALLWAY, ELEVATOR LOBBY, ENTRY LOBBY
PC-4	BENJAMIN MOORE	WISH	PAINT THROUHOUT
PC-5	BENJAMIN MOORE	STONE HARBOR	ACCENT PAINT IT ELEVATOR LOBBY, IT CONFERENCE ROOM,



1 LVT TO CARPET TRANSITION
SCALE: 6" = 1'-0"

NORTH
WEST PROJECT NORTH EAST
SOUTH

tsk
314 South Water Street,
Suite 100
Henderson, NV 89015
phone: 702.456.3000
fax: 702.898.6209
www.tska.com

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Consultant

PLEASE RECYCLE

Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

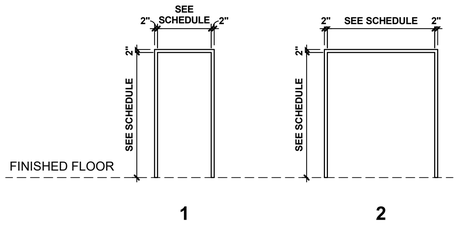
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

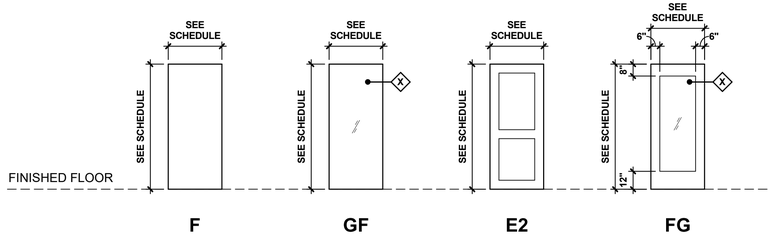
Sheet Title
BUILDING MATERIAL SCHEDULES & ROOM FINISH SCHEDULE

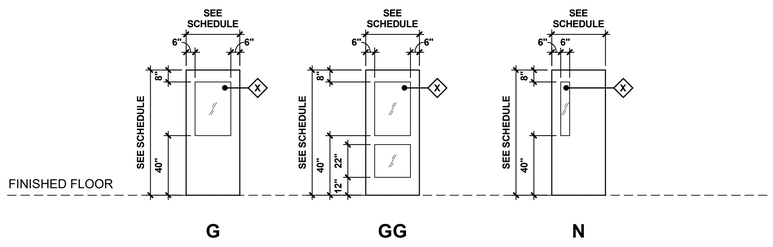
Date: SEPTEMBER 23, 2022
Sheet No:
A2.01



DOOR FRAME TYPES

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



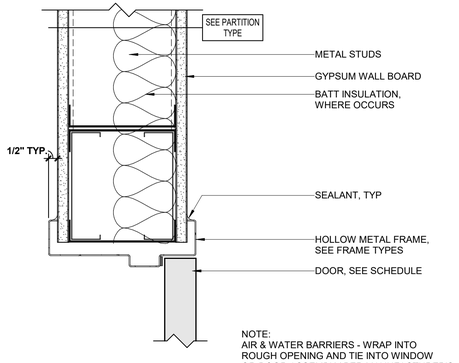


DOOR FRAME TYPES

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

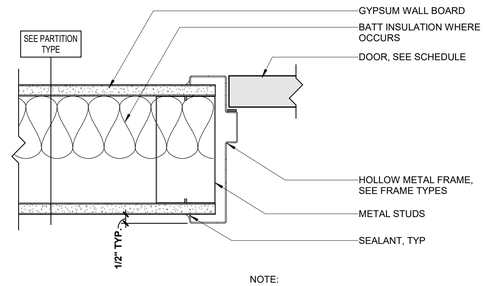
DOOR SCHEDULE

DR. NO.	PR	PANEL SIZE W	H	T	TYPE	MAT'L	FRAME TYPE	MAT'L	HEAD DTL	SILL DTL	JAMB DTL LATCH	JAMB DTL HINGE	HW Set	LABEL	REMARKS
A101A		2' - 10"	6' - 11"	1 3/4"	FG	HM	1	HM	4/A2.11			3/A2.11	3.0		EXISTING DOOR
A101B		3' - 0"	7' - 0"	1 3/4"	FG	HM	1	HM	4/A2.11			3/A2.11	7.0		
A102A		3' - 0"	7' - 0"	1 3/4"	F	HM	1	HM	4/A2.11			3/A2.11	19.0		
A103A		3' - 0"	7' - 0"	1 3/4"	F	HM	1	HM	4/A2.11			3/A2.11	19.0		
A104A		3' - 0"	7' - 0"	1 3/4"	FG	HM	1	HM	4/A2.11			3/A2.11	9.0		EXISTING DOOR
A104B		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	17.0		
A106A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	17.0		
A107A		2' - 8 1/16"	7' - 0"	1 3/4"	FG	HM	1	HM	4/A2.11			3/A2.11	9.0		EXISTING DOOR
A107B		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	17.0		
A108A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	17.0		EXISTING DOOR
A108B		3' - 0"	7' - 0"	1 3/4"	N	WD	1	WD	2/A2.11			1/A2.11	17.0		
A109A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	17.0		
A110A	■	2' - 6"	7' - 0"	1 3/4"	F	HM	2	HM	4/A2.11			3/A2.11	11.0		
A112A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	14.0		
A201A		3' - 6"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	10.0		
A202A		2' - 6 25/32"	7' - 0"	1 3/4"	F	HM	1	HM	4/A2.11			3/A2.11	4.0		EXISTING DOOR
A203A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	19.0		
A204A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	19.0		
A205A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
A206A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
A207A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
A208A			7' - 0"	1"		WD	1	WD	2/A2.11			1/A2.11	20.0		3 PANEL SLIDERS
A208B			7' - 0"	1"		WD	1	WD	2/A2.11			1/A2.11	20.0		3 PANEL SLIDERS
A208C			7' - 0"	1"		WD	1	WD	2/A2.11			1/A2.11	20.0		3 PANEL SLIDERS
A209A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	2	WD	2/A2.11			1/A2.11	15.0		
A210A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
A211A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
A211B		3' - 0"	7' - 0"	1 3/4"	F	HM	1	HM	4/A2.11			3/A2.11	12.0		
A212	■	3' - 0"	7' - 0"	1 3/4"	GG	HM	2	HM	4/A2.11			3/A2.11	6.0		
A213A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
A214A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
A216A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	13.0		
A219A		2' - 6"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	12.0		
H001A		3' - 6"	7' - 0"	1 3/4"	F	HM	1	HM	4/A2.11			3/A2.11	2.0		
H002A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	17.0		
H003A		2' - 10"	7' - 0"	1 3/4"	F	HM	1	HM	4/A2.11			3/A2.11	19.0		
H005A		2' - 10"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	13.0		
H006A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H007A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H008A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H009A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H009I	■	1' - 3 1/2"	4' - 0"	1"	F	WD		WD					TBD		SECURED ACCESS PANEL DOOR
H0010A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H0011A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H012A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	13.0		
H0013A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H014A		2' - 10"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	8.0		PANIC HARDWARE REQUIRED
H015A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	13.0		
H016A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	6.0 SIM		
H017A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	13.0		
H018A		2' - 10"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	18.0		
H019A		2' - 10"	7' - 0"	1 3/4"	F	HM	1	HM	4/A2.11			3/A2.11	12.0		
H021A		3' - 0"	7' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	13.0		
H101A		2' - 8"	8' - 0"	1 3/4"	GG	AL & GL	1	AL					1.0		EXISTING DOOR
H101B		3' - 7"	8' - 11"	1 3/4"	FG	AL & GL	1	AL					5.0		
H103A		2' - 10"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	13.0		
H104A		2' - 10"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	19.0		
H105A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H106A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H108A	■	3' - 0"	7' - 0"	1 3/4"	GG	HM	2	HM	4/A2.11			3/A2.11	6.0		
H110A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H111A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H112A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H113A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H114A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H115A		3' - 0"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	13.0		
H116A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H202A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H203A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H204A		2' - 10"	7' - 0"	1 3/4"	F	WD	1	WD	2/A2.11			1/A2.11	19.0		
H205A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H206A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H210A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	17.0		
H212A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H213A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	16.0		
H214A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H215A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11	15.0		
H216A		3' - 0"	8' - 0"	1 3/4"	FG	WD	1	WD	2/A2.11			1/A2.11	15.0		
H217A		3' - 0"	8' - 0"	1 3/4"	FG	WD	1	WD	2/A2.11			1/A2.11	15.0		
H218A		3' - 0"	8' - 0"	1 3/4"	FG	WD & GL	1	WD	2/A2.11			1/A2.11			



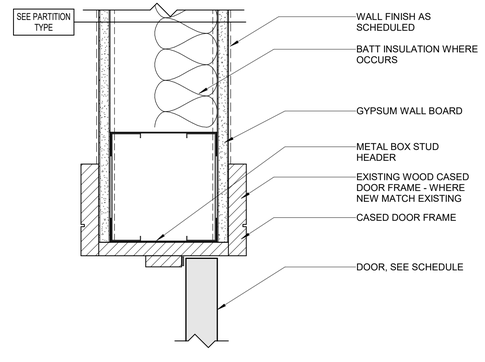
NOTE:
AIR & WATER BARRIERS - WRAP INTO ROUGH OPENING AND TIE INTO WINDOW OR DOOR ASSEMBLY PER MANUFACTURER'S INSTRUCTION TO CREATE CONTINOUS AIR & WATER BARRIER

4 HM DOOR HEADER
SCALE: 3" = 1'-0"

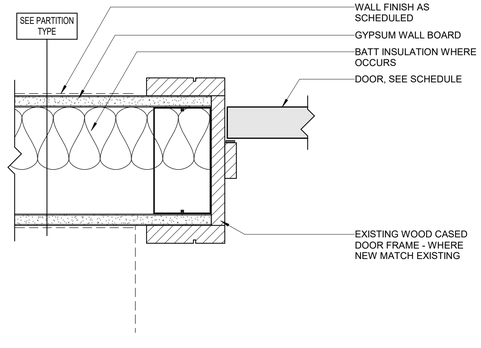


NOTE:
AIR & WATER BARRIERS - WRAP INTO ROUGH OPENING AND TIE INTO WINDOW OR DOOR ASSEMBLY PER MANUFACTURER'S INSTRUCTION TO CREATE CONTINOUS AIR & WATER BARRIER

3 HM DOOR JAMB
SCALE: 3" = 1'-0"



2 DOOR HEADER DETAIL
SCALE: 3" = 1'-0"



1 DOOR JAMB DETAIL
SCALE: 3" = 1'-0"

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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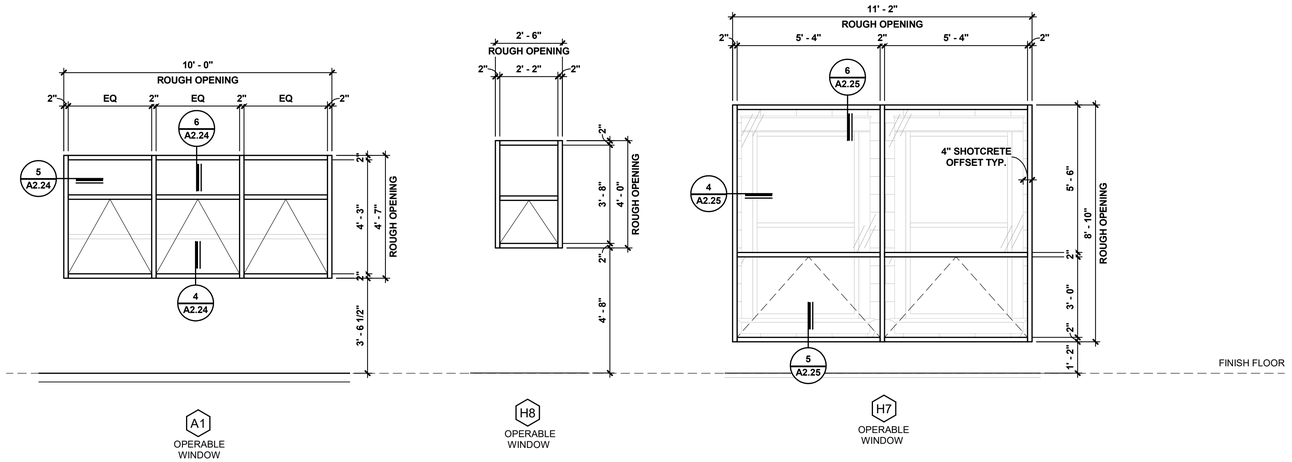
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DOOR SCHEDULE, PANEL AND FRAME TYPES

Date: SEPTEMBER 23, 2022

Sheet No:

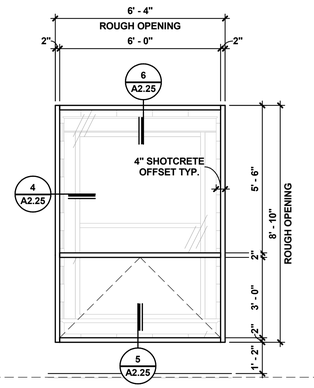
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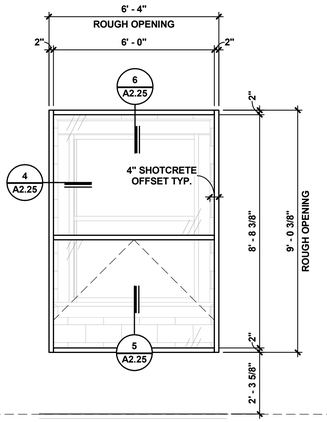
A1
OPERABLE WINDOW

H8
OPERABLE WINDOW

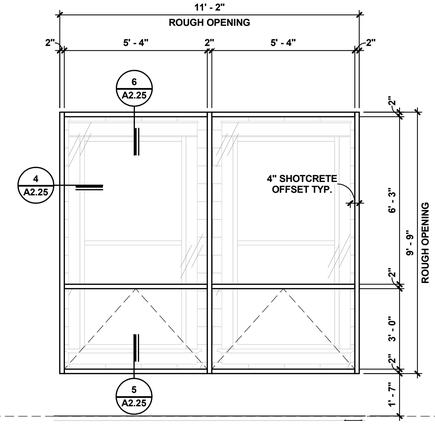
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OPERABLE WINDOW



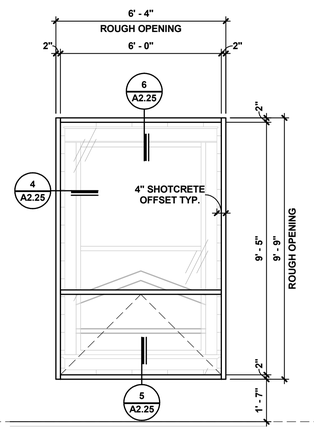
H6
OPERABLE WINDOW



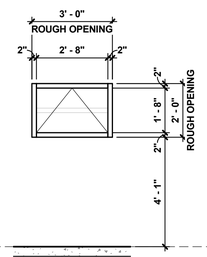
H5
OPERABLE WINDOW



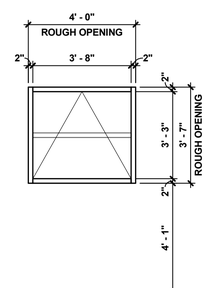
H4
OPERABLE WINDOW



H3
OPERABLE WINDOW



H2
OPERABLE WINDOW



H1
OPERABLE WINDOW

FINISH FLOOR

WINDOW SCHEDULE

WINDOW TYPE	LOCATION	FRAME MATERIAL	FRAME FINISH	GLASS TYPE	WINDOW SHADE	NOTES
H1	BASEMENT- TYPICAL THROUGHOUT	STEEL	-		WC-1	OPERABLE WINDOW
H2	BASEMENT - (2) WINDOWS @ SOUTH FACADE	STEEL	-		WC-1	OPERABLE WINDOW - RESTROOMS ARE TO RECEIVE FROSTED/OPAQUE GLASS
H3	LEVEL 1 - TYPICAL THROUGHOUT	STEEL	-		WC-1	OPERABLE WINDOW - RESTROOMS ARE TO RECEIVE FROSTED/OPAQUE GLASS
H4	LEVEL 1 - (2) WINDOWS @ NORTH FACADE	STEEL	-		WC-1	OPERABLE WINDOW
H5	LEVEL 1 - (1) WINDOWS EAST OF ELEVATOR LOBBY	STEEL	-		WC-1	OPERABLE WINDOW
H6	LEVEL 2 - TYPICAL THROUGHOUT	STEEL	-		WC-1	OPERABLE WINDOW - RESTROOMS ARE TO RECEIVE FROSTED/OPAQUE GLASS
H7	LEVEL 2 - (2) WINDOWS @ NORTH FACADE	STEEL	-		WC-1	OPERABLE WINDOW
H8	LEVEL 1 - (1) WINDOW EAST OF ENTRY LOBBY	STEEL	-		WC-1	OPERABLE WINDOW
A1	LEVEL 1 - (1) WINDOW EAST OF VETERAN LOBBY	STEEL	-		-	OPERABLE WINDOW
A2	LEVEL 1 & 2 - TYPICAL THROUGHOUT	STEEL	-		-	OPERABLE WINDOW
A3	LEVEL 1 - (2) WINDOWS EAST OF ELEVATOR LOBBY	STEEL	-		-	OPERABLE WINDOW
A4	LEVEL 1 - (1) WINDOW EAST OF VETERAN HALL	STEEL	-		-	OPERABLE WINDOW
A5	LEVEL 1 - (3) WINDOWS @ NORTH FACADE	STEEL	-		-	OPERABLE WINDOW
A6	LEVEL 1 - (2) WINDOWS @ ADA ENTRY	STEEL	-		-	-
A7	LEVEL 2 - (2) WINDOWS @ WEST FACADE	STEEL	-		-	OPERABLE WINDOW
A8	LEVEL 2 - (1) GLASS BLOCK WINDOW @ WEST FACADE	STEEL	-		-	OPERABLE WINDOW
A9	LEVEL 2 - (1) WINDOW @ NORTH FACADE	STEEL	-		-	OPERABLE WINDOW
L1	BASEMENT - (1) WINDOW SOUTH OF ELEVATOR LOBBY	-	-		-	FIXED WINDOW
L2	BASEMENT - (1) CLERESTORY NORTH OF ELEVATOR LOBBY	-	-		-	FIXED WINDOW
L3	LEVEL 1 - (1) WINDOW SOUTH OF ELEVATOR LOBBY	-	-		-	FIXED WINDOW
L4	LEVEL 1 - (1) WINDOW NORTH OF ELEVATOR LOBBY	-	-		-	FIXED WINDOW
L5	LEVEL 2 - (1) WINDOW SOUTH OF ELEVATOR LOBBY	-	-		-	FIXED WINDOW
L6	LEVEL 2 - (1) WINDOW NORTH OF ELEVATOR LOBBY	-	-		-	FIXED WINDOW
S1	LEVEL 1 & 2 - OFFICE STOREFRONTS	ALUMINUM	-		-	FIXED WINDOW
S2	LEVEL 1 & 2 - OFFICE STOREFRONTS	ALUMINUM	-		-	FIXED WINDOW
S3	LEVEL 1 & 2 - OFFICE STOREFRONTS	ALUMINUM	-		-	FIXED WINDOW
S4	LEVEL 1 & 2 - OFFICE STOREFRONTS	ALUMINUM	-		-	FIXED WINDOW
S5	LEVEL 1 & 2 - OFFICE STOREFRONTS	ALUMINUM	-		-	FIXED WINDOW
S6	LEVEL 1 & 2 - OFFICE STOREFRONTS	ALUMINUM	-		-	FIXED WINDOW
S7	LEVEL 1 & 2 - OFFICE STOREFRONTS	ALUMINUM	-		-	FIXED WINDOW
S8	LEVEL 1 & 2 - OFFICE STOREFRONTS	ALUMINUM	-		-	FIXED WINDOW
S9	LEVEL 1 & 2 - OFFICE STOREFRONTS	ALUMINUM	-		-	FIXED WINDOW

NOTE - WINDOW TYPE "I" HAS BEEN INTENTIONALLY OMITTED FROM THE SCHEDULE
NOTE - REFER TO MATERIAL & ROOM SCHEDULE FOR SHADE TYPE (MANUAL/BLACKOUT SHADES)
NOTE - ALL WINDOE OPENINGS TO BE VERIFIED IN FIELD BEFORE ORDERING

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
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Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

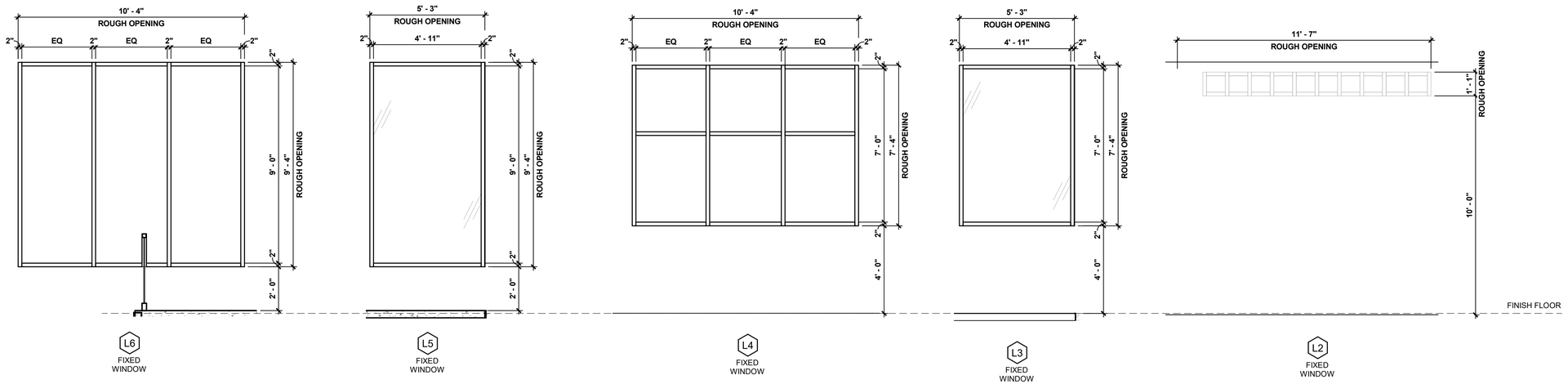
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
WINDOW TYPES

Date: SEPTEMBER 23, 2022
Sheet No:

A2.21



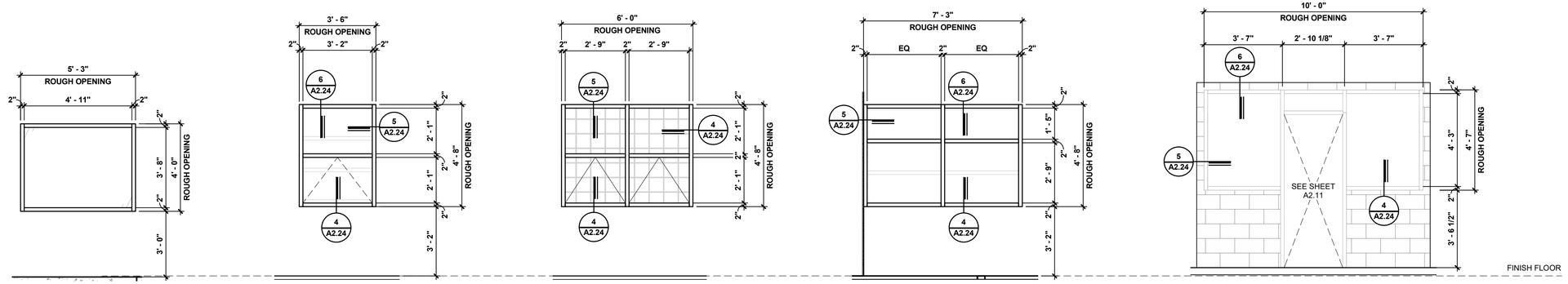
L6 FIXED WINDOW

L5 FIXED WINDOW

L4 FIXED WINDOW

L3 FIXED WINDOW

L2 FIXED WINDOW



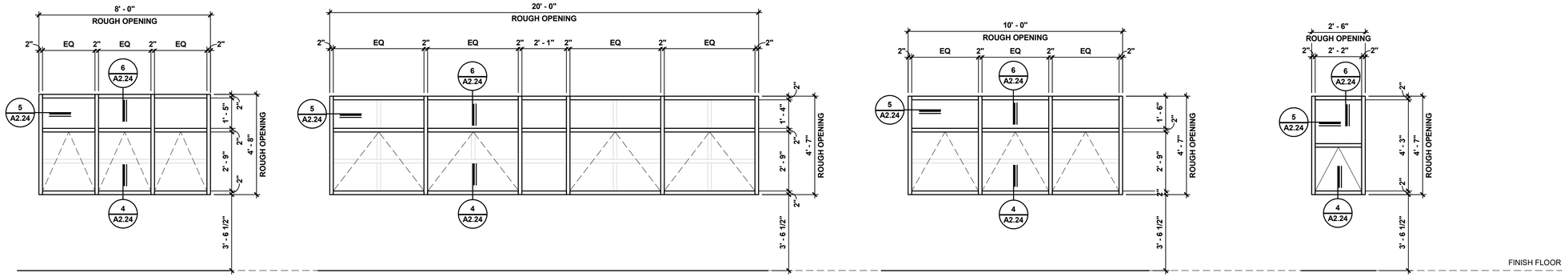
L1 FIXED WINDOW

A9 OPERABLE WINDOW

A8 OPERABLE WINDOW

A7 OPERABLE WINDOW

A6 EXISITING WINDOW



A5 OPERABLE WINDOW

A4 OPERABLE WINDOW

A2 OPERABLE WINDOW

A3 OPERABLE WINDOW

11 Elevation 16 - a
SCALE: 3/8" = 1'-0"

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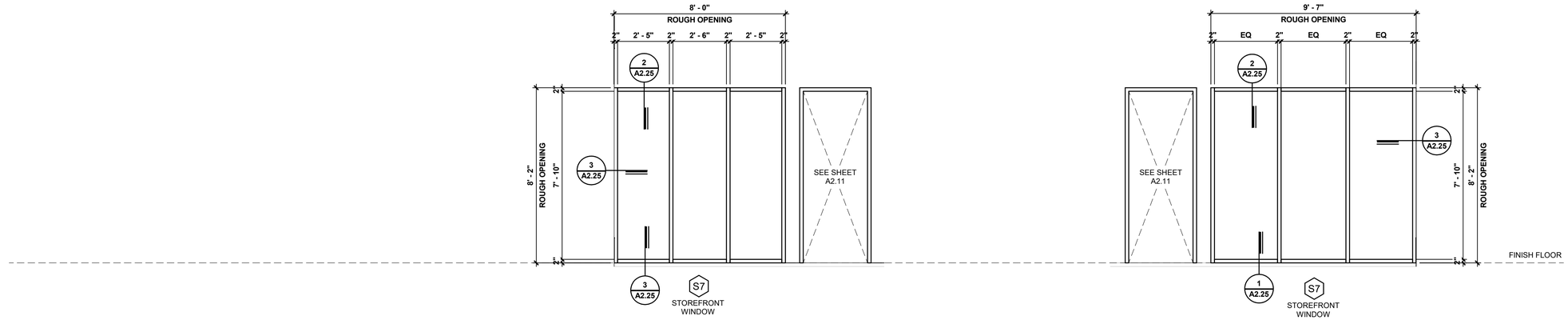
SPWD Project No. 21-P02

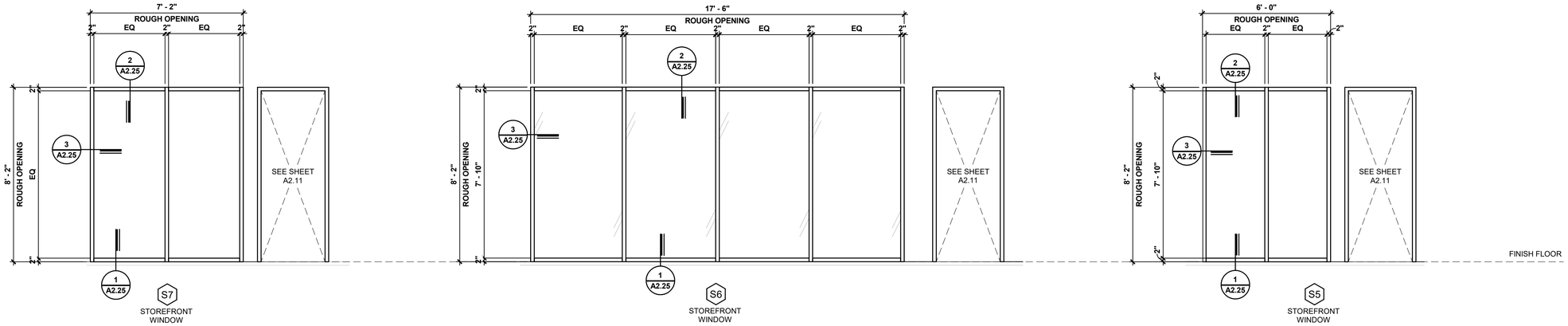
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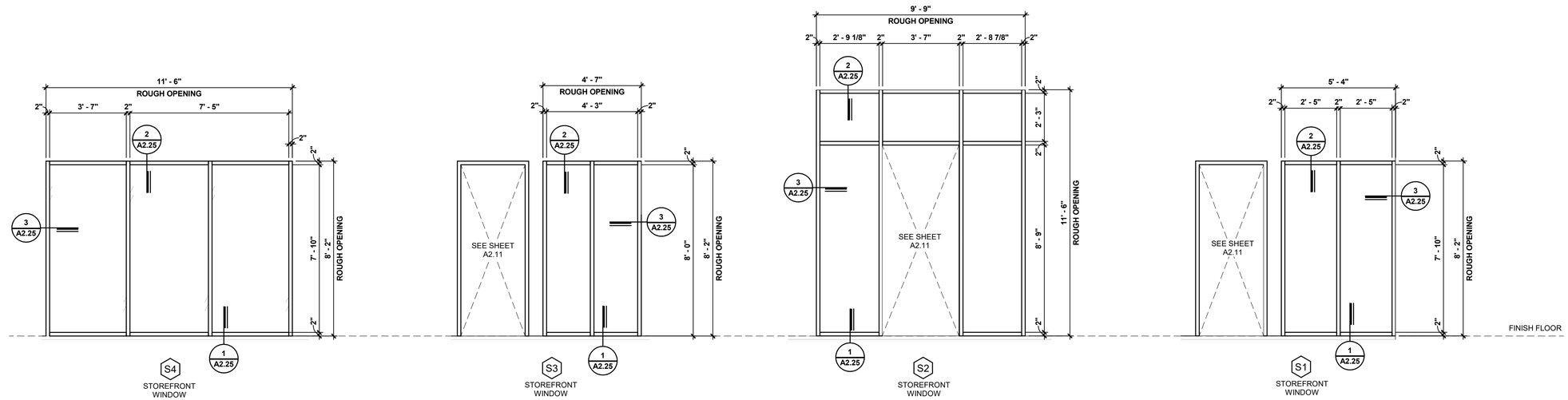
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WINDOW TYPES

Date: SEPTEMBER 23, 2022
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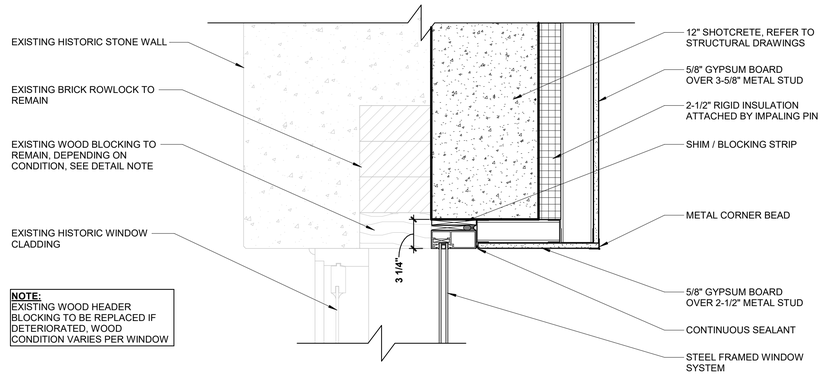
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WINDOW TYPES

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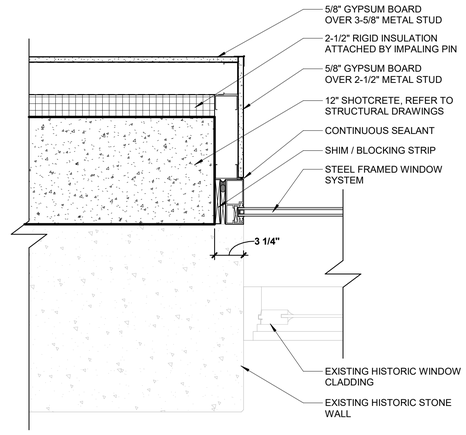
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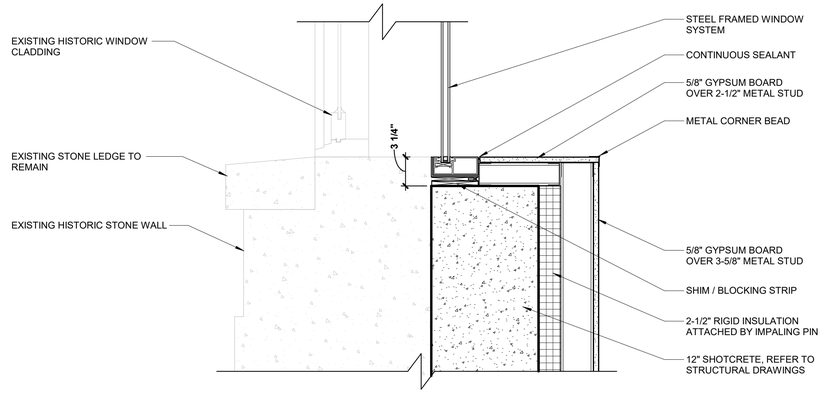
6 HEAD AT NEW WINDOW OVER EXISTING

SCALE: 1 1/2" = 1'-0"



5 JAMB AT NEW WINDOW OVER EXISTING

SCALE: 1 1/2" = 1'-0"



4 SILL AT NEW WINDOW OVER EXISTING

SCALE: 1 1/2" = 1'-0"

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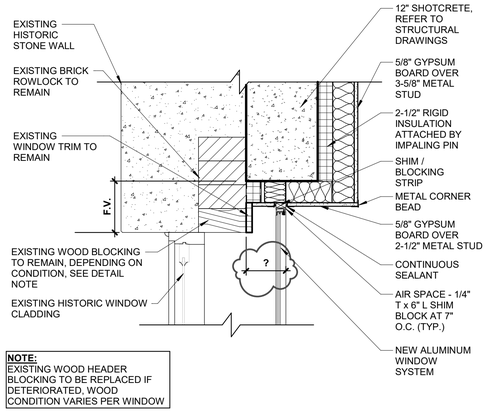
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WINDOW DETAILS

Date: SEPTEMBER 23, 2022

Sheet No:

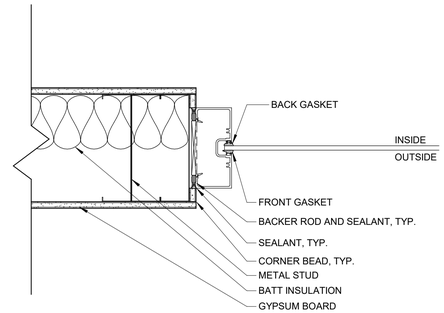
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NOTE:
EXISTING WOOD HEADER BLOCKING TO BE REPLACED IF DETERIORATED, WOOD CONDITION VARIES PER WINDOW

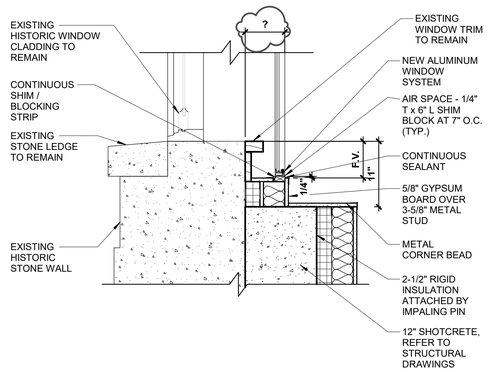
6 EXTERIOR FACING HEAD DETAIL

SCALE: 1" = 1'-0"



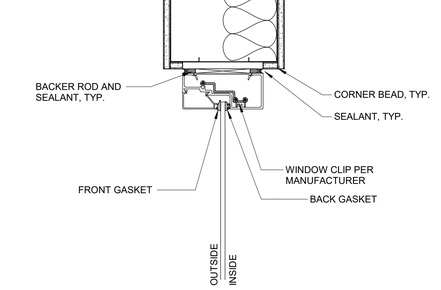
3 INTERIOR STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0"



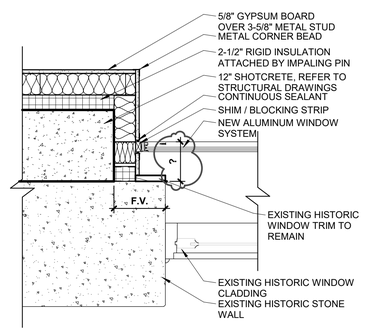
5 EXTERIOR FACING SILL DETAIL

SCALE: 1" = 1'-0"



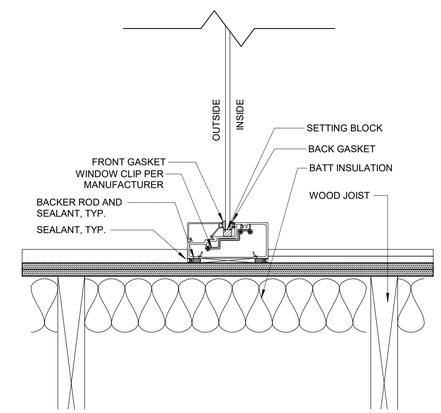
2 INTERIOR STOREFRONT HEAD DETAIL

SCALE: 3" = 1'-0"



4 EXTERIOR FACING JAMB DETAIL

SCALE: 1" = 1'-0"



1 INTERIOR STOREFRONT SILL DETAIL

SCALE: 3" = 1'-0"

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION
1	Date 1	Revision 1

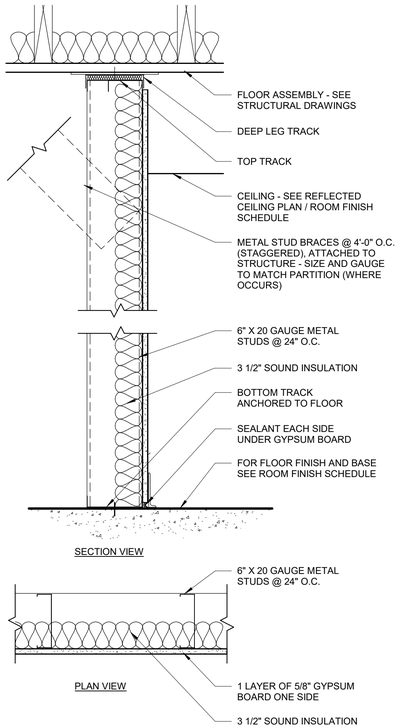
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WINDOW DETAILS

Date: SEPTEMBER 23, 2022

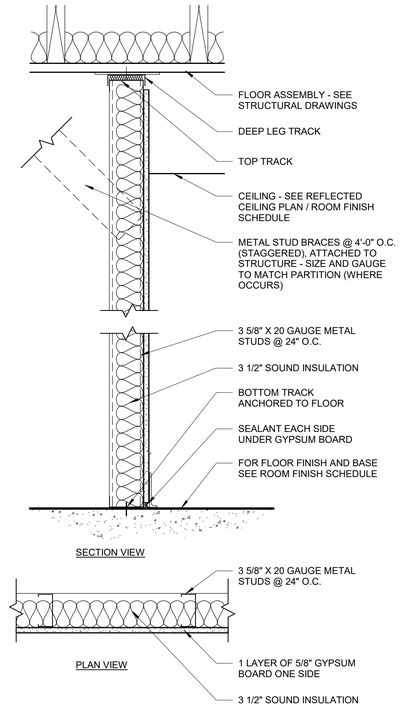
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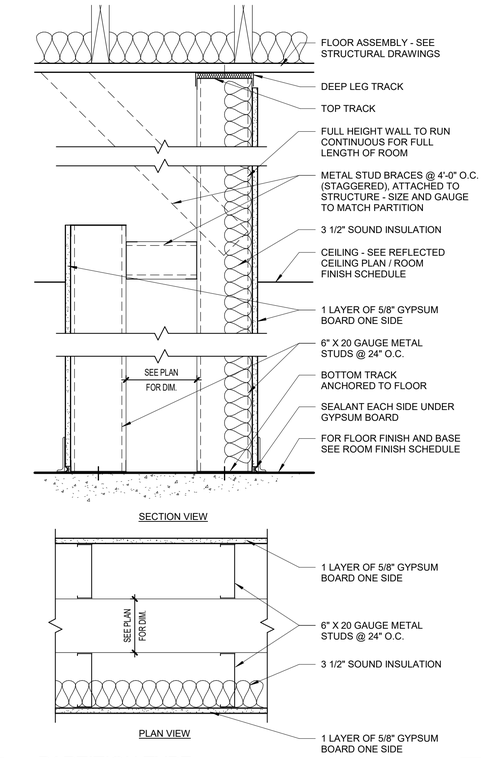
PARTITION TYPE

SCALE : 1 1/2" = 1'-0" — FULL HEIGHT — E9



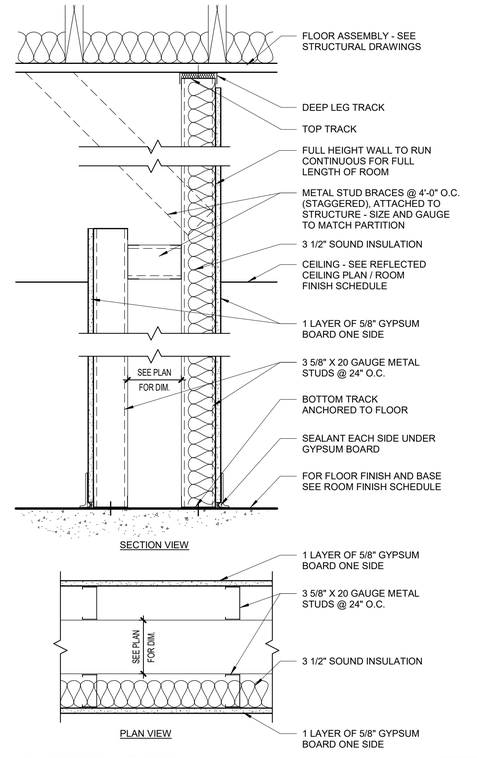
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SCALE : 1 1/2" = 1'-0" — FULL HEIGHT — E7



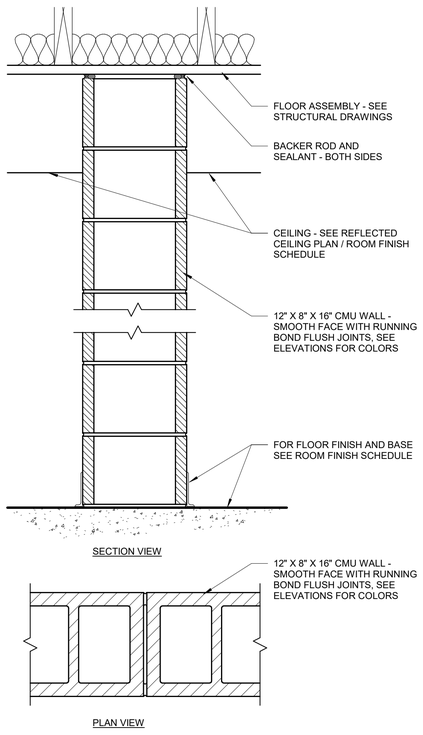
PARTITION TYPE

SCALE : 1 1/2" = 1'-0" — E2



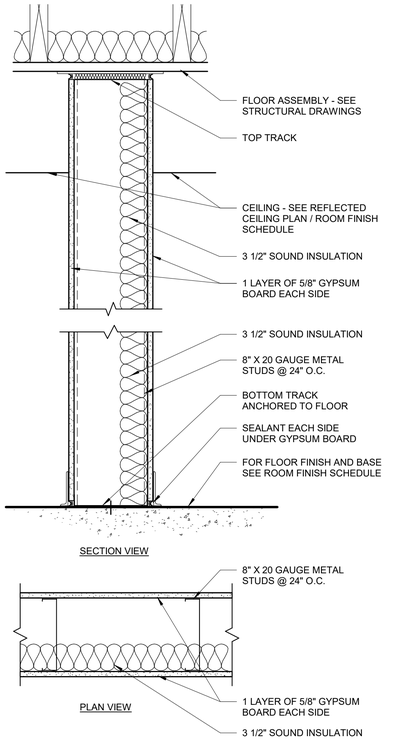
PARTITION TYPE

SCALE : 1 1/2" = 1'-0" — E1



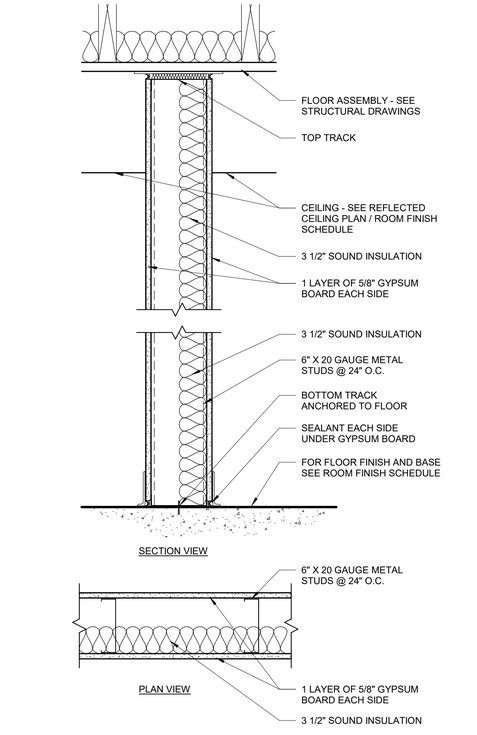
PARTITION TYPE

SCALE : 1 1/2" = 1'-0" — D6



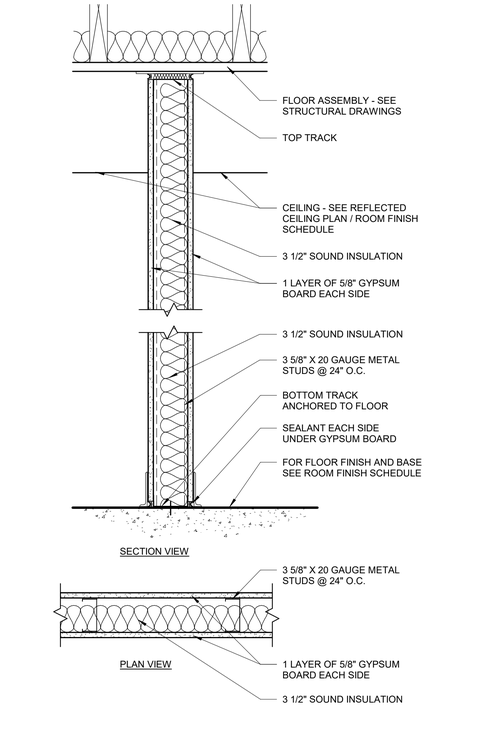
PARTITION TYPE

ACOUSTICAL PARTITION
SCALE : 1 1/2" = 1'-0" — NON-RATED — C9



PARTITION TYPE

ACOUSTICAL PARTITION
SCALE : 1 1/2" = 1'-0" — NON-RATED — C8



PARTITION TYPE

ACOUSTICAL PARTITION
SCALE : 1 1/2" = 1'-0" — NON-RATED — C7

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Project

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198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

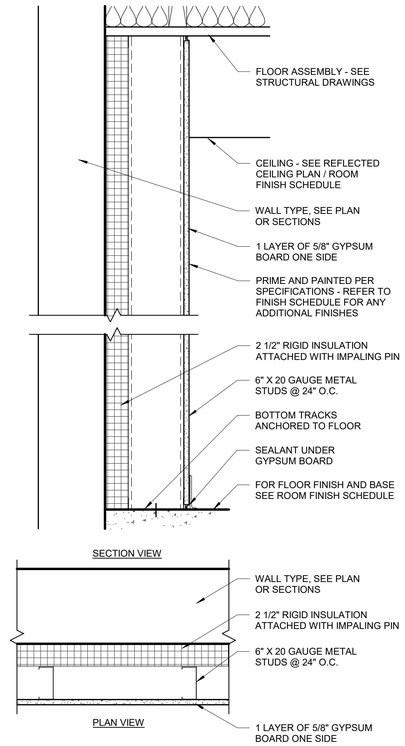
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PARTITION TYPES

Date: SEPTEMBER 23, 2022

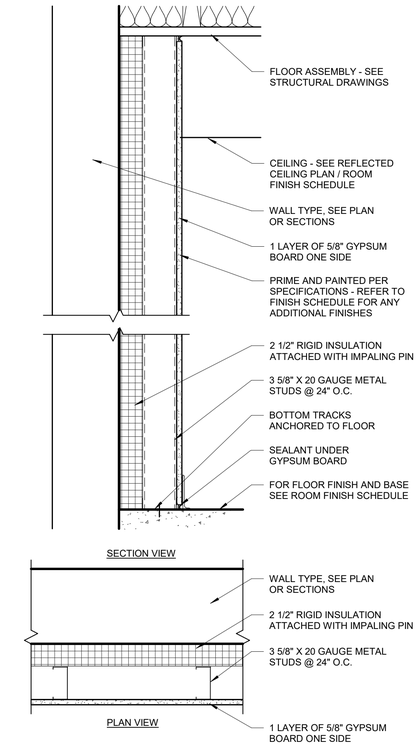
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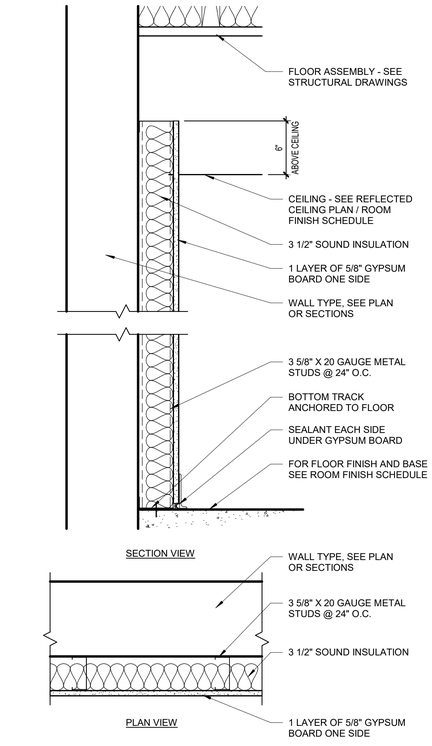
PARTITION TYPE G15

SCALE : 1 1/2" = 1'-0" FURRING



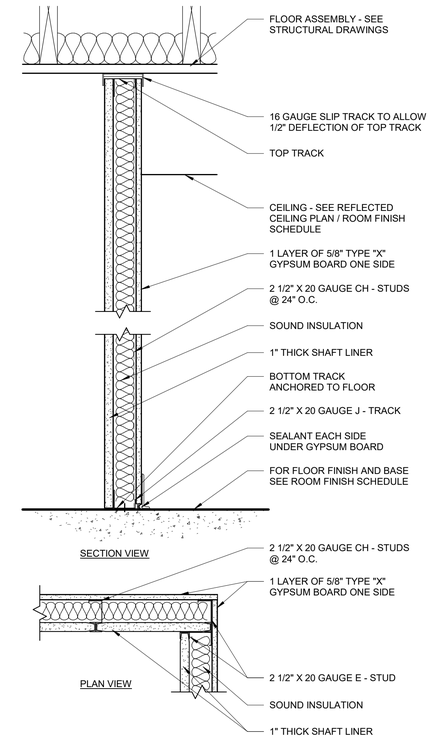
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SCALE : 1 1/2" = 1'-0" FURRING



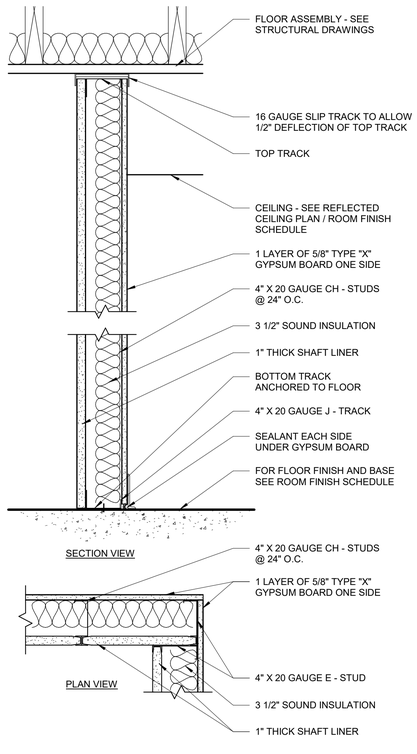
PARTITION TYPE G4

SCALE : 1 1/2" = 1'-0"



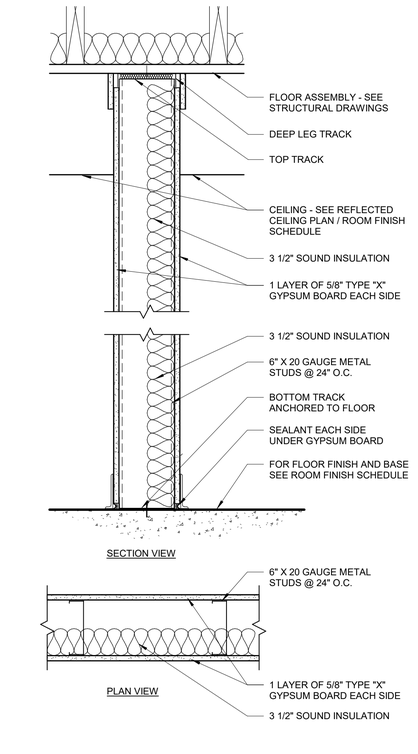
PARTITION TYPE ACOUSTICAL PARTITION F10

SCALE : 1 1/2" = 1'-0" UL NO. U415 1 HOUR RATED SHAFT



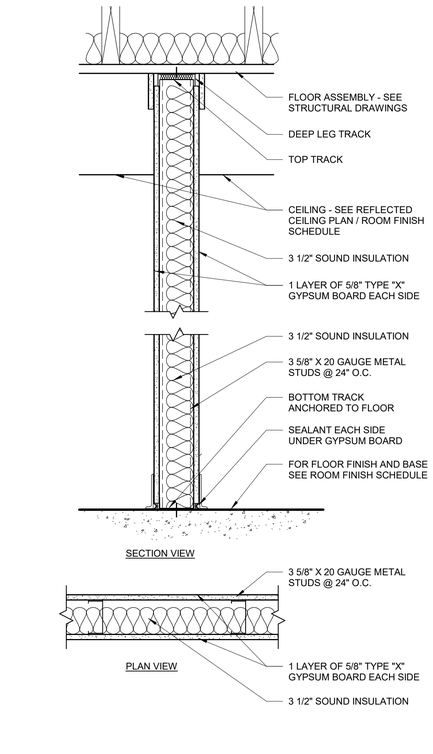
PARTITION TYPE ACOUSTICAL PARTITION F7

SCALE : 1 1/2" = 1'-0" UL NO. U415 1 HOUR RATED SHAFT



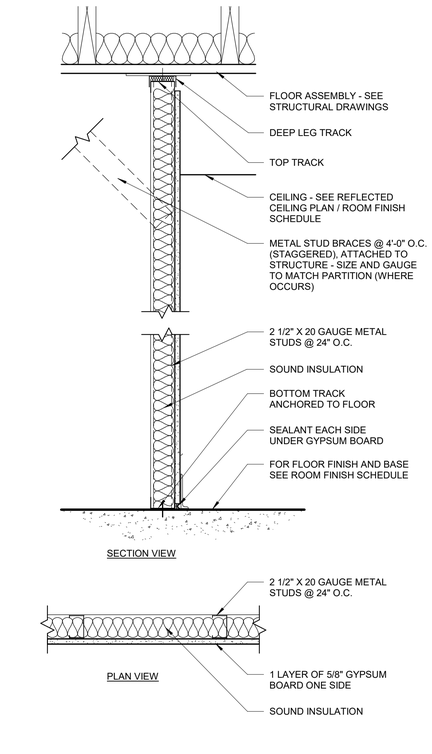
PARTITION TYPE ACOUSTICAL PARTITION F2

SCALE : 1 1/2" = 1'-0" UL NO. U425 1 HOUR RATED PARTITION



PARTITION TYPE ACOUSTICAL PARTITION F1

SCALE : 1 1/2" = 1'-0" UL NO. U425 1 HOUR RATED PARTITION



PARTITION TYPE E11

SCALE : 1 1/2" = 1'-0" FULL HEIGHT

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Owner

NEVADA STATE PUBLIC WORKS DIVISION

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SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

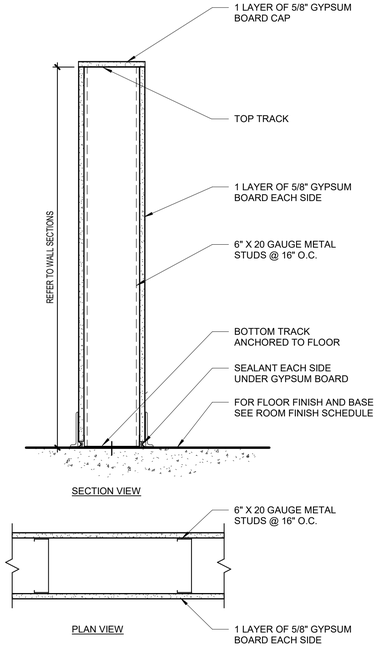
Sheet Title

PARTITION TYPES

Date: SEPTEMBER 23, 2022

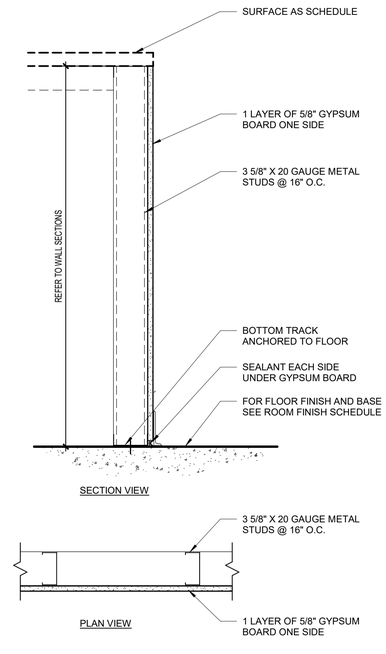
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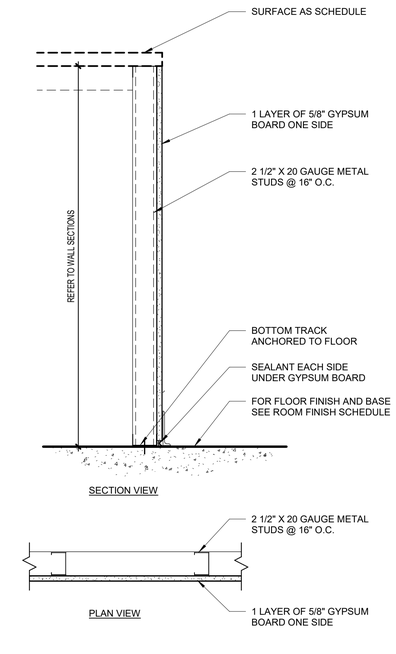
PARTITION TYPE H9

SCALE : 1 1/2" = 1'-0" LOW WALL



PARTITION TYPE H7

SCALE : 1 1/2" = 1'-0" LOW WALL



PARTITION TYPE H5

SCALE : 1 1/2" = 1'-0" LOW WALL

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REV	DATE	DESCRIPTION

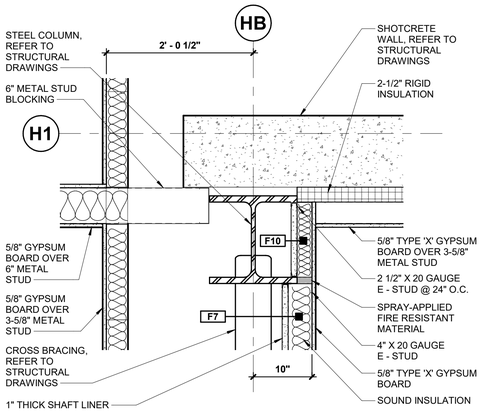
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PARTITION TYPES

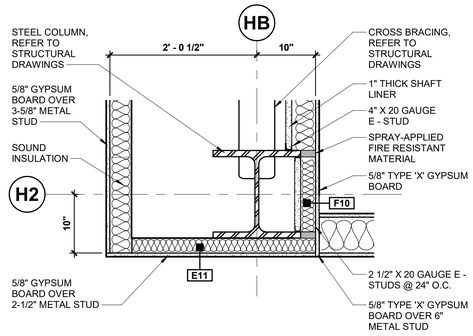
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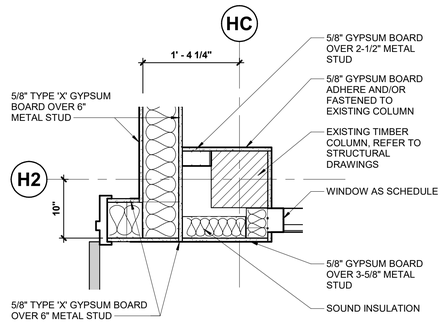
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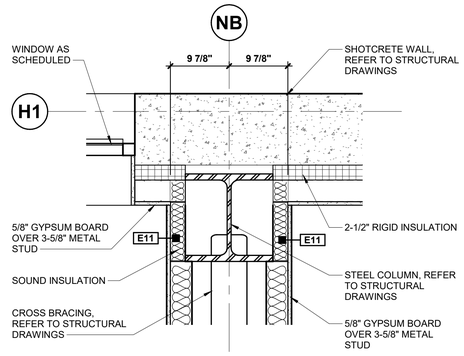
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9 COLUMN DETAIL
SCALE: 1" = 1'-0"



6 COLUMN DETAIL - EXISTING
SCALE: 1" = 1'-0"



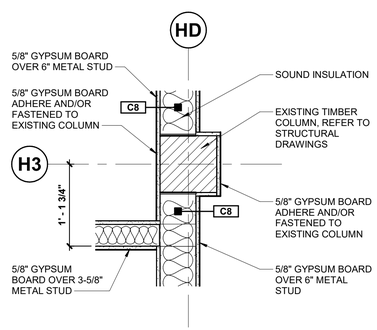
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SCALE: 1" = 1'-0"

10 COLUMN DETAIL
SCALE: 1" = 1'-0"

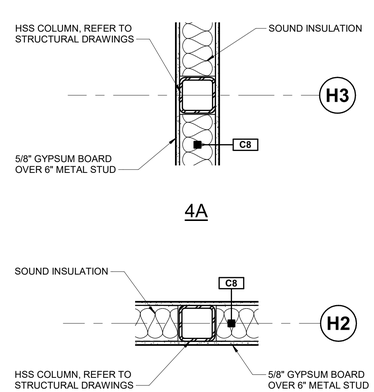
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SCALE: 1" = 1'-0"

5 COLUMN DETAIL - EXISTING
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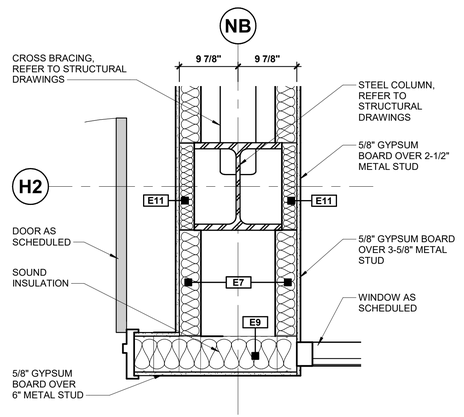
2 COLUMN DETAIL
SCALE: 1" = 1'-0"



7 COLUMN DETAIL - EXISTING
SCALE: 1" = 1'-0"



4 TYPICAL COLUMN DETAIL
SCALE: 1" = 1'-0"



1 COLUMN DETAIL
SCALE: 1" = 1'-0"

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

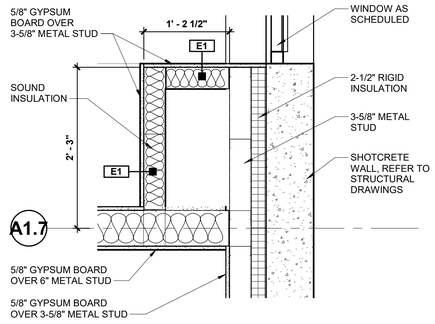
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

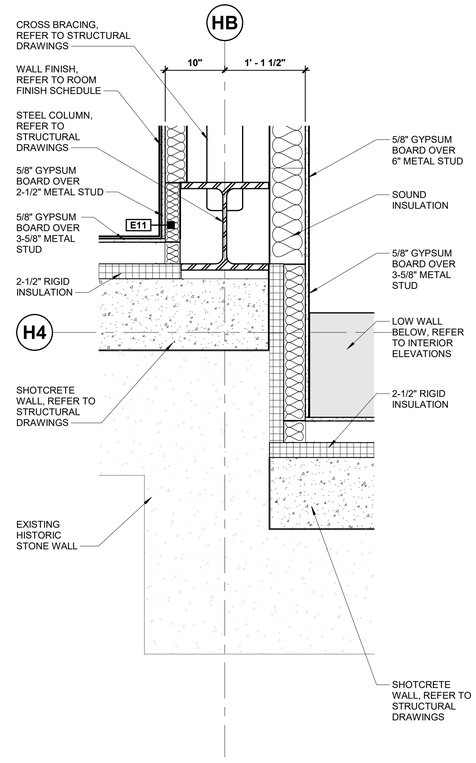
REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
PLAN DETAILS

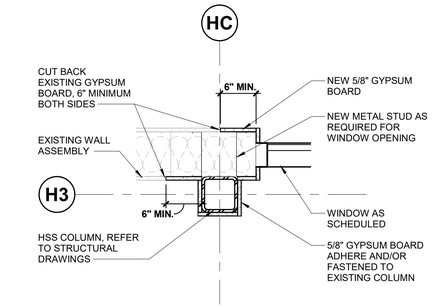
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Sheet No:
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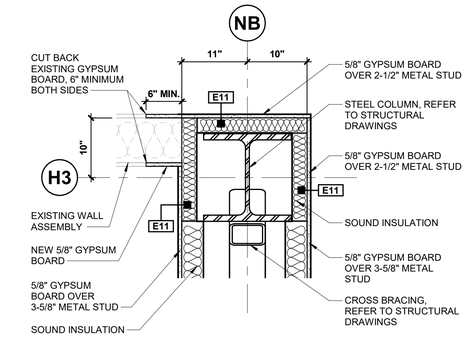
12 WALL CHASE DETAIL
SCALE: 1" = 1'-0"



8 COLUMN DETAIL
SCALE: 1" = 1'-0"



6 COLUMN DETAIL
SCALE: 1" = 1'-0"

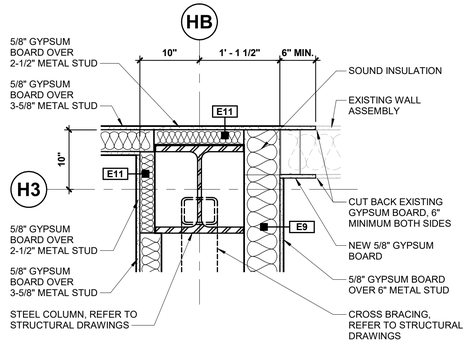


3 COLUMN DETAIL AT EXISTING WALL
SCALE: 1" = 1'-0"

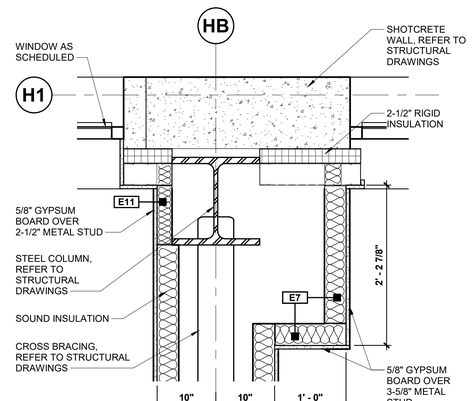
11 WALL CHASE DETAIL
SCALE: 1" = 1'-0"

5 COLUMN DETAIL - EXISTING
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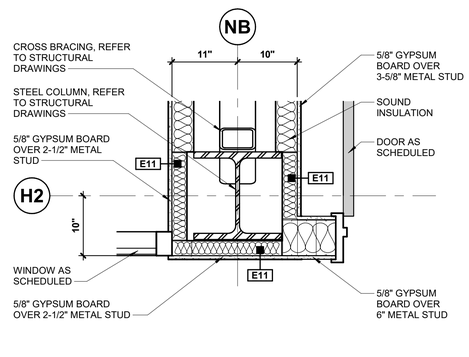
2 COLUMN DETAIL AT EXISTING WALL
SCALE: 1" = 1'-0"



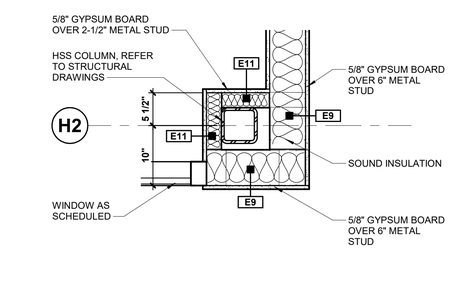
10 COLUMN DETAIL AT EXISTING WALL
SCALE: 1" = 1'-0"



7 COLUMN DETAIL
SCALE: 1" = 1'-0"



4 COLUMN DETAIL
SCALE: 1" = 1'-0"



1 COLUMN DETAIL
SCALE: 1" = 1'-0"

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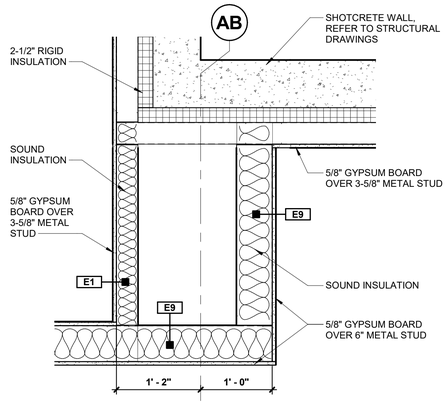
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

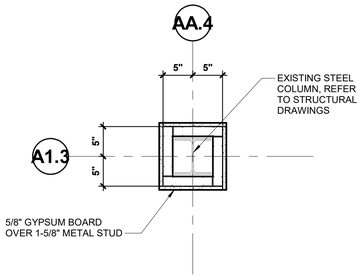
REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
PLAN DETAILS

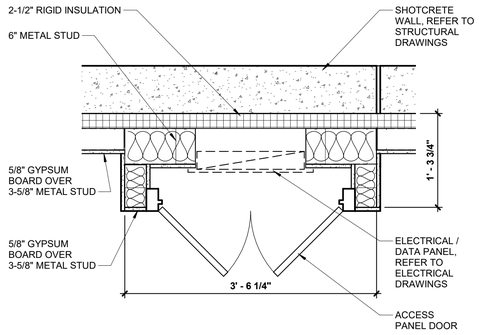
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Sheet No:
A2.42



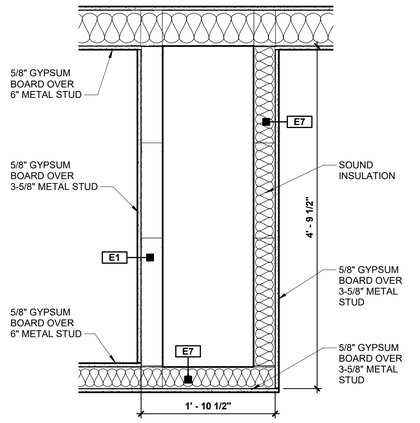
6 WALL CHASE DETAIL
SCALE: 1" = 1'-0"



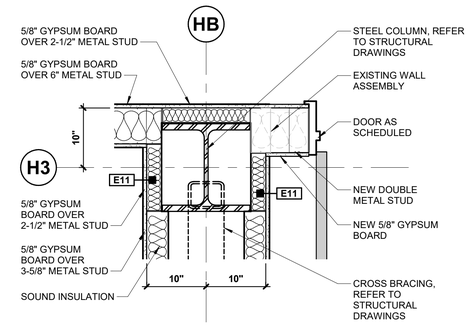
3 TYPICAL COLUMN WRAP DETAIL - EXISTING
SCALE: 1" = 1'-0"



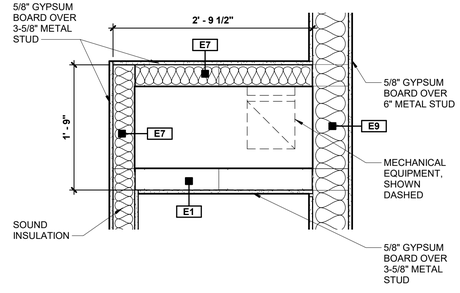
8 WALL CHASE DETAIL
SCALE: 1" = 1'-0"



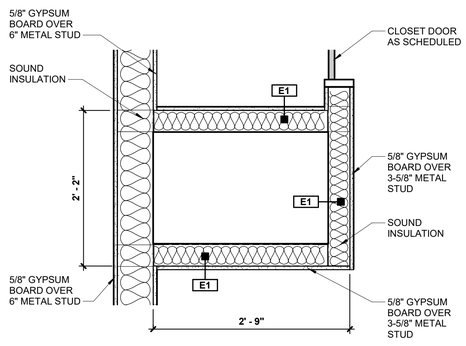
5 WALL CHASE DETAIL
SCALE: 1" = 1'-0"



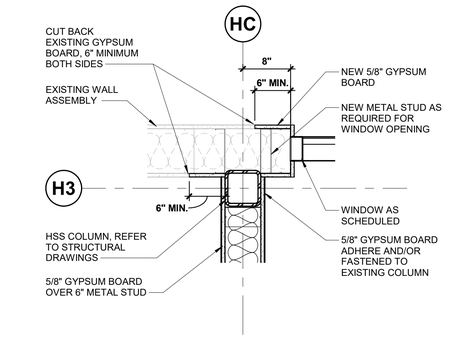
2 COLUMN DETAIL
SCALE: 1" = 1'-0"



7 WALL CHASE DETAIL
SCALE: 1" = 1'-0"



4 WALL CHASE DETAIL
SCALE: 1" = 1'-0"



1 COLUMN DETAIL
SCALE: 1" = 1'-0"

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

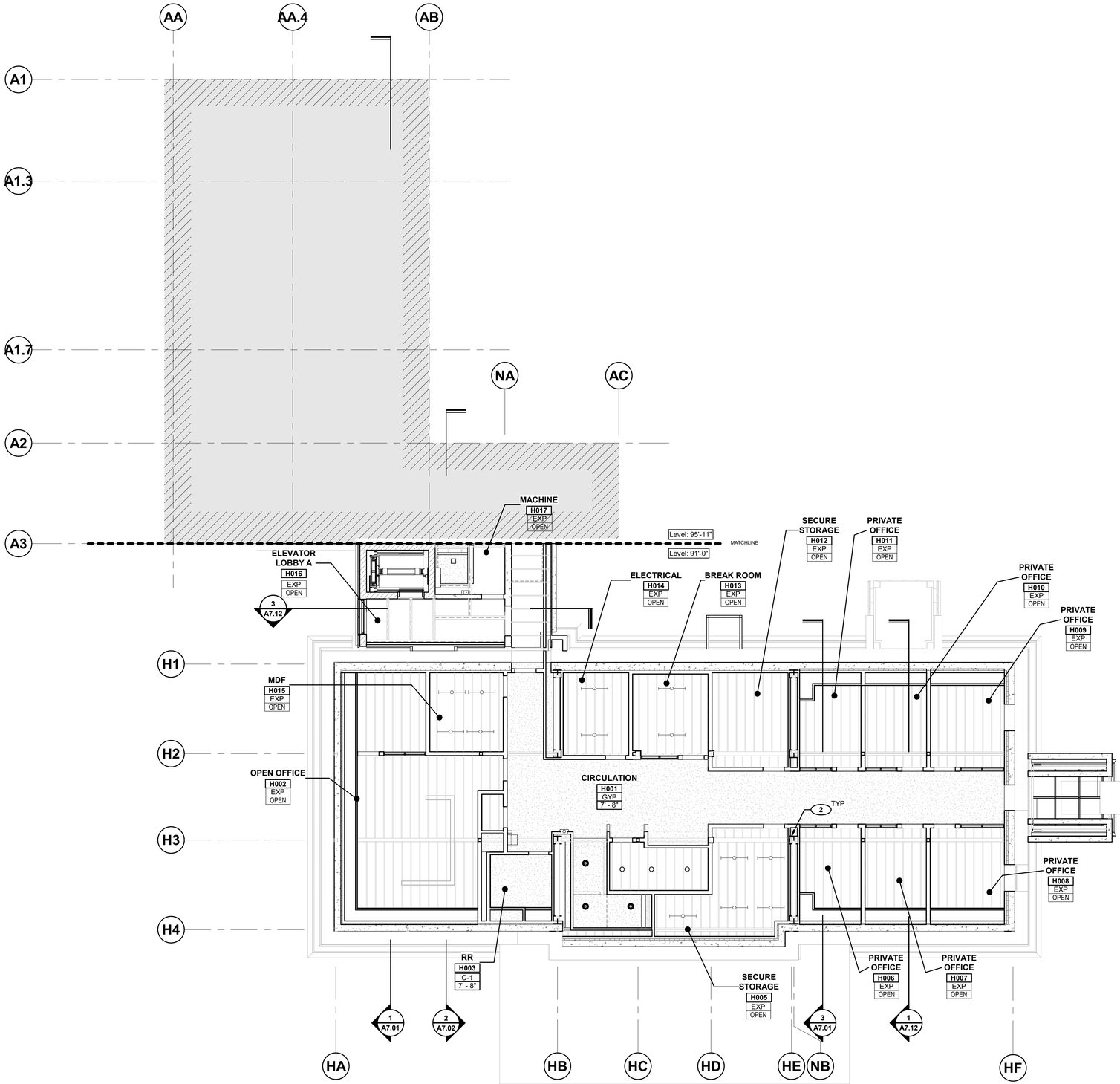
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
PLAN DETAILS

Date: SEPTEMBER 23, 2022
Sheet No:
A2.43



1 BASEMENT LEVEL - REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. REFER TO FNISH SCHEDULE FOR CEILING HEIGHTS AND FINISHES NOT SHOWN ON PLAN. REFER TO MATERIAL SCHEDULE FOR CEILING COLOR AND FINISH
2. CEILING / SOFFIT ELEVATIONS ARE BASED FROM FINISH FLOOR ELEVATIONS. (NOTE: FINISH FLOOR VARIES BETWEEN HEROES AND ANNEX BUILDING)
3. MAINTAIN MINIMUM 3" CLEAR BETWEEN LIGHTS, DIFFUSERS, SPEAKERS, ETC.
4. SPRINKLER HEADS TO BE CENTERED IN ALL CORRIDORS AND IN CEILING TILES WHERE TILES OCCUR
5. REFER TO PAINT SCHEDULE FOR COLOR OF EXPOSED STRUCTURE TO BE PAINTED
6. CASTLE-CUT GYPSUM BOARD TO DECK AND SEAL AT AREAS WITHOUT CEILING
7. COORDINATE LOCATIONS OF CAMERAS TO ENSURE THAT CAMERA VIEWS ARE NOT OBSTRUCTED
8. WHERE DISCREPANCIES OCCUR BETWEEN ARCHITECTURAL REFLECTED CEILING PLAN AND OTHER DISCIPLINES, REPORT TO ARCHITECT PRIOR TO INSTALL

KEYNOTES

1. LOWER GYPSUM SOFFIT
2. EXISTING STRUCTURAL COLUMN
4. BOUNDARY OF STAIRS ABOVE
5. (N) MECHANICAL SHAFT
6. NEW WINDOW HEADER AROUND STRUCTURAL REINFORCED WALLS SEE WINDOW DETAILS ON SHEET A2.25
7. EXISTING HISTORICTRIM AROUND ENTRY DOOR
8. EXISTING HISTORIC ENTRY

LEGEND

- PAINTED GYPSUM BOARD (C-5)
- 24x24 ACOUSTICAL CEILING TILE (C-1)
- WIRELESS ACCESS POINT
- SECURITY CAMERA
- SUSPENDED UTILITY LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- PENDANT ACCENT LIGHT FIXTURE
- AIR SUPPLY DIFFUSER
- AIR RETURN REGISTER
- AIR EXHAUST REGISTER
- SPEAKER

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NEVADA STATE PUBLIC WORKS DIVISION

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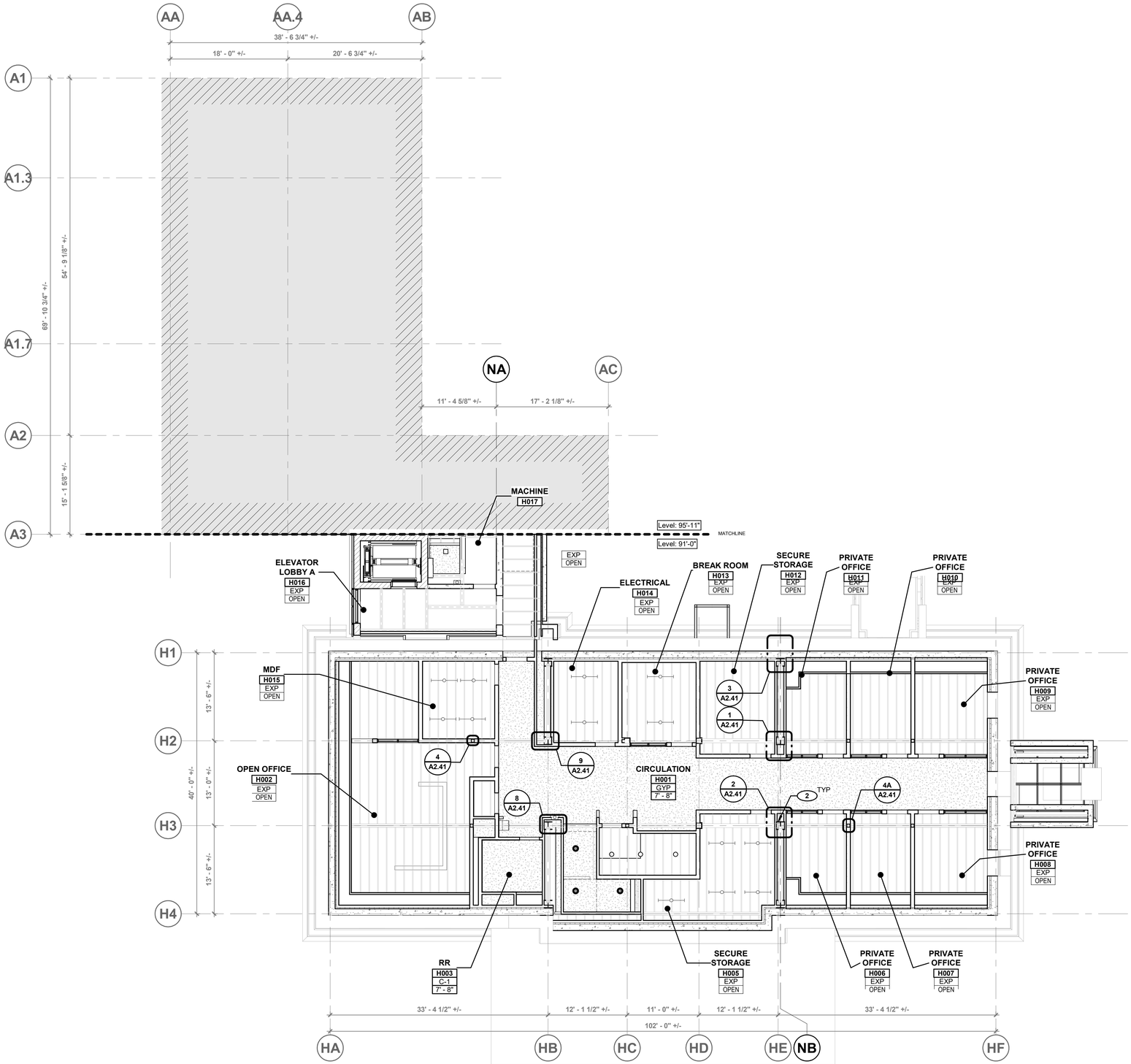
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
BASEMENT LEVEL - REFLECTED CEILING PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
A3.01



1 BASEMENT LEVEL - REFLECTED CEILING DIMENSION PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN FROM FACE OF STUD, MASONRY, OR CONCRETE UNLESS NOTED OTHERWISE.
2. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK NOT SHOWN ON THIS DRAWING
3. MAINTAIN MINIMUM 3" CLEAR BETWEEN LIGHTS, DIFFUSERS, SPEAKERS, ETC.
4. SPRINKLER HEADS TO BE CENTERED IN ALL CORRIDORS AND IN CEILING TILES WHERE TILES OCCUR
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NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

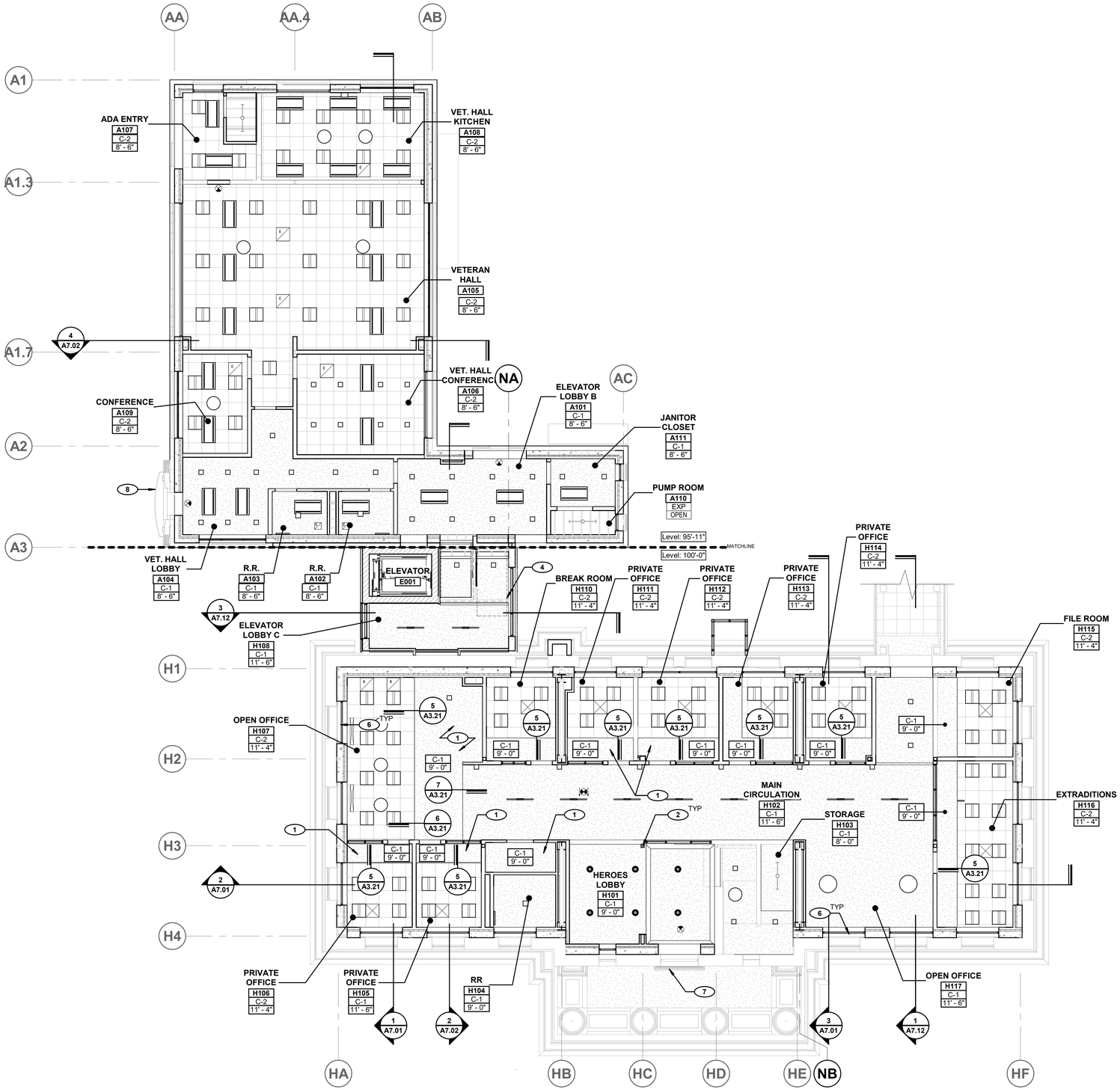
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
BASEMENT LEVEL - REFLECTED CEILING DIMENSION PLAN

Date: SEPTEMBER 23, 2022
Sheet No:

A3.01D



1 LEVEL 1 - REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. REFER TO FNISH SCHEDULE FOR CEILING HEIGHTS AND FINISHES NOT SHOWN ON PLAN. REFER TO MATERIAL SCHEDULE FOR CEILING COLOR AND FINISH
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KEYNOTES

1. LOWER GYPSUM SOFFIT
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4. BOUNDARY OF STAIRS ABOVE
5. (N) MECHANICAL SHAFT
6. NEW WINDOW HEADER AROUND STRUCTURAL REINFORCED WALLS SEE WINDOW DETAILS ON SHEET A2.25
7. EXISTING HISTORICTRIM AROUND ENTRY DOOR
8. EXISTING HISTORIC ENTRY

LEGEND

- PAINTED GYPSUM BOARD (C-5)
- 24x24 ACOUSTICAL CEILING TILE (C-1)
- WIRELESS ACCESS POINT
- SECURITY CAMERA
- SUSPENDED UTILITY LIGHT FIXTURE
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CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
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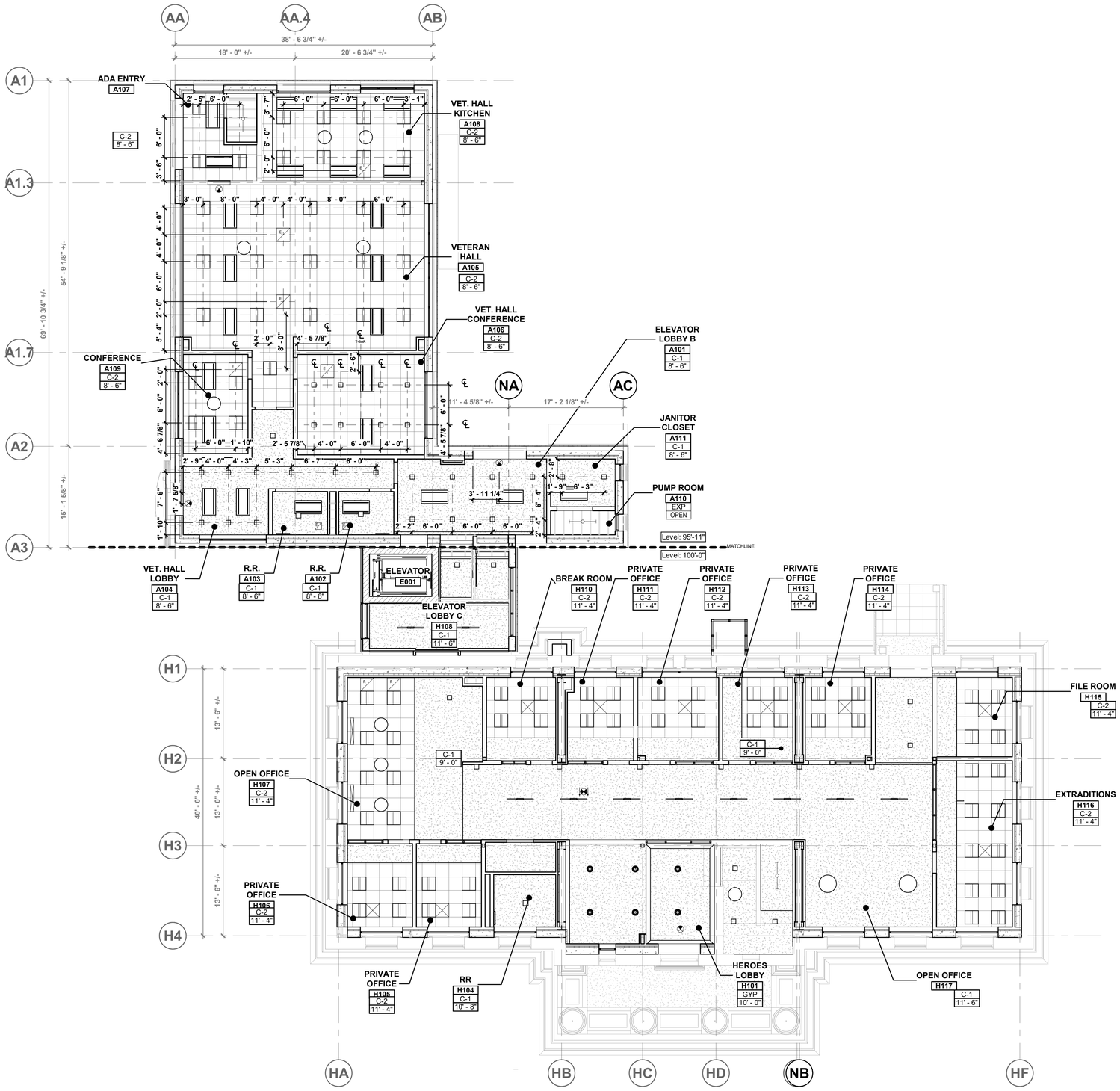
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LEVEL 1 - REFLECTED CEILING PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
A3.02



1 LEVEL 1 - REFLECTED CEILING DIMENSION PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN FROM FACE OF STUD, MASONRY, OR CONCRETE UNLESS NOTED OTHERWISE.
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Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

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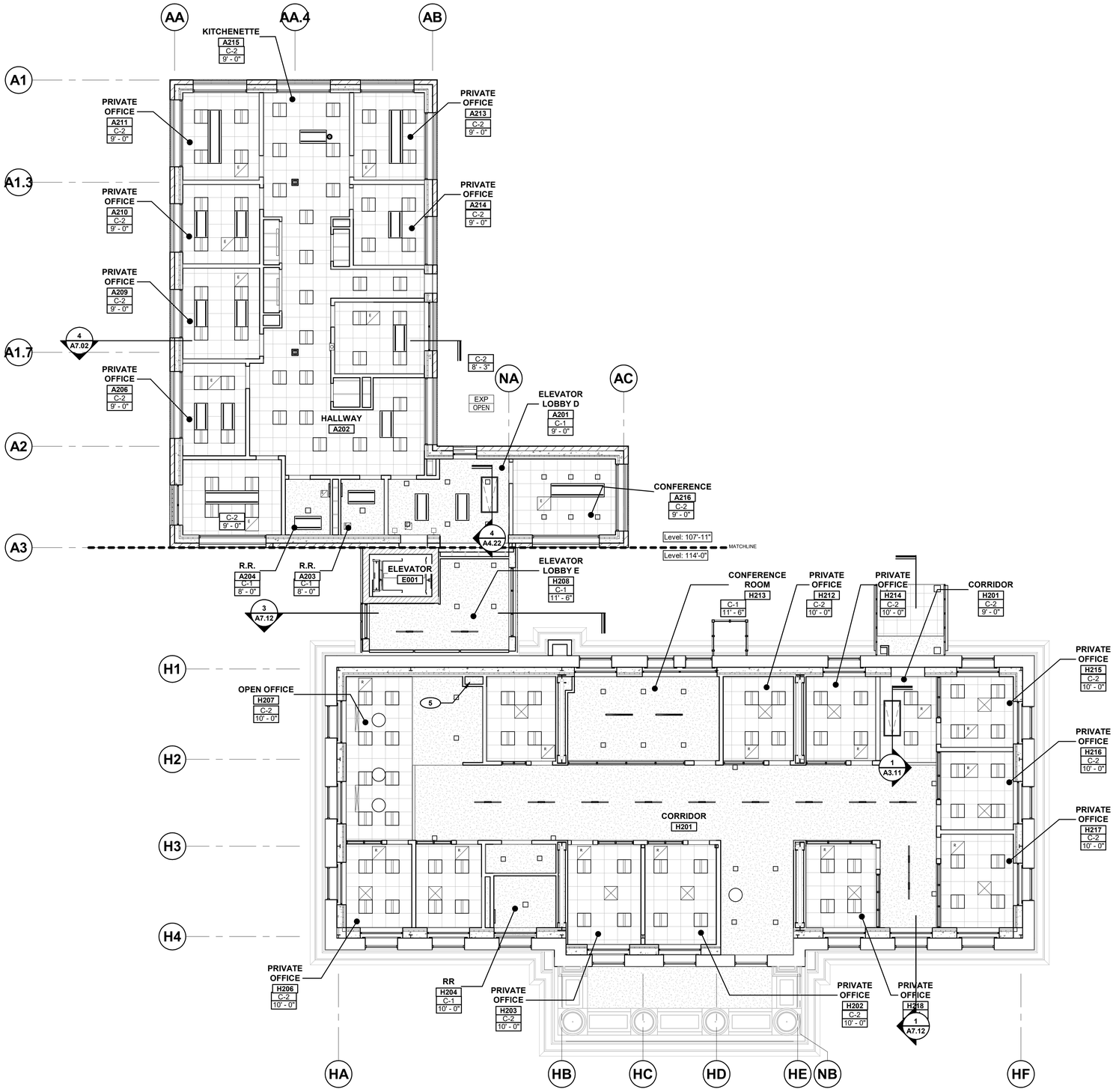
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LEVEL 1 - REFLECTED CEILING DIMENSION PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
A3.02D



1 LEVEL 2 - REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. REFER TO FNISH SCHEDULE FOR CEILING HEIGHTS AND FINISHES NOT SHOWN ON PLAN. REFER TO MATERIAL SCHEDULE FOR CEILING COLOR AND FINISH
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KEYNOTES

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2. EXISTING STRUCTURAL COLUMN
4. BOUNDARY OF STAIRS ABOVE
5. (N) MECHANICAL SHAFT
6. NEW WINDOW HEADER AROUND STRUCTURAL REINFORCED WALLS SEE WINDOW DETAILS ON SHEET A2.25
7. EXISTING HISTORICTRIM AROUND ENTRY DOOR
8. EXISTING HISTORIC ENTRY

LEGEND

- PAINTED GYPSUM BOARD (C-5)
- 24x24 ACOUSTICAL CEILING TILE (C-1)
- WIRELESS ACCESS POINT
- SECURITY CAMERA
- SUSPENDED UTILITY LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- PENDANT ACCENT LIGHT FIXTURE
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- AIR EXHAUST REGISTER
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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
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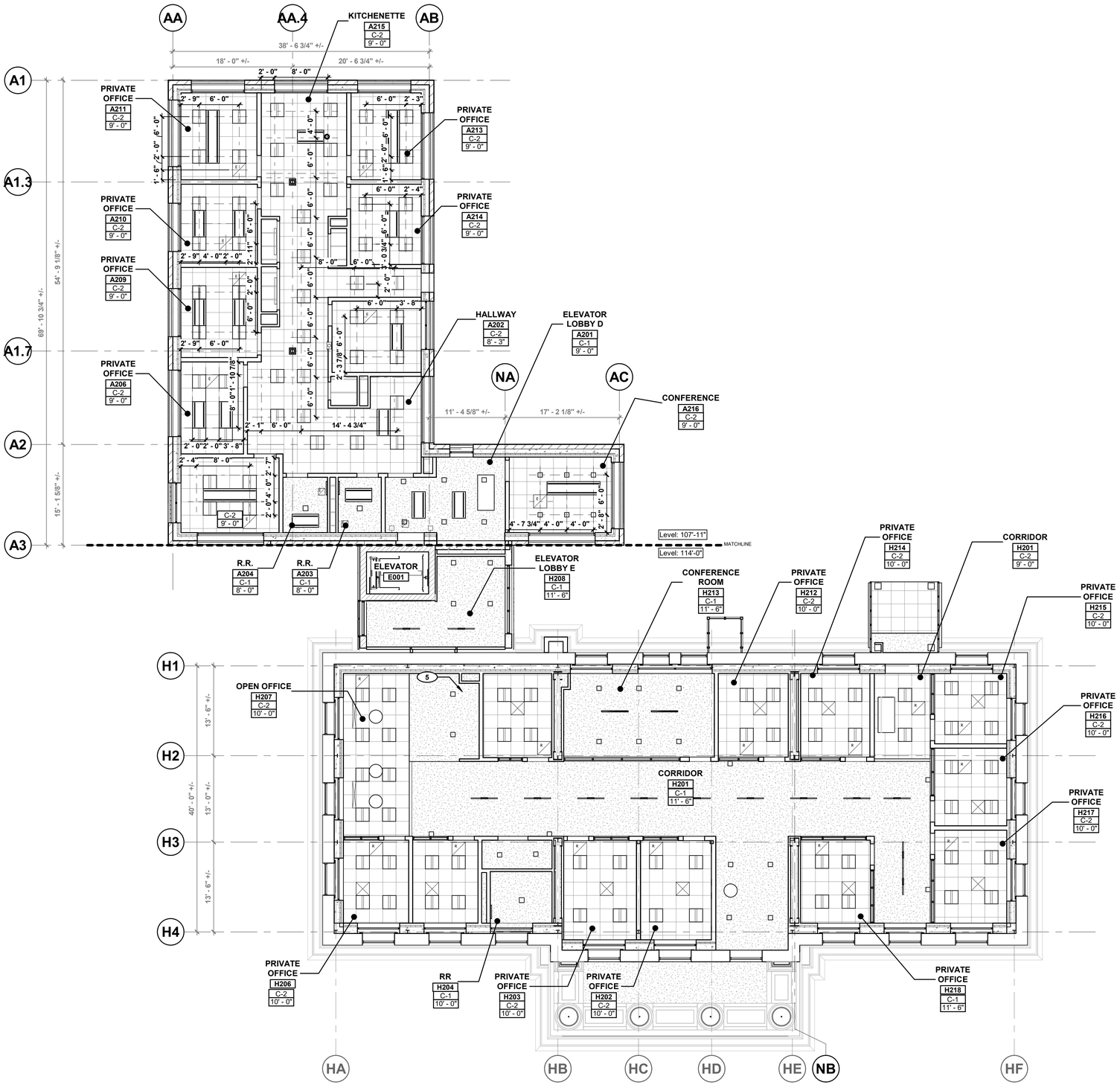
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LEVEL 2 - REFLECTED CEILING PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
A3.03



1 LEVEL 2 - REFLECTED CEILING DIMENSION PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN FROM FACE OF STUD, MASONRY, OR CONCRETE UNLESS NOTED OTHERWISE.
2. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK NOT SHOWN ON THIS DRAWING
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4. SPRINKLER HEADS TO BE CENTERED IN ALL CORRIDORS AND IN CEILING TILES WHERE TILES OCCUR
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CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
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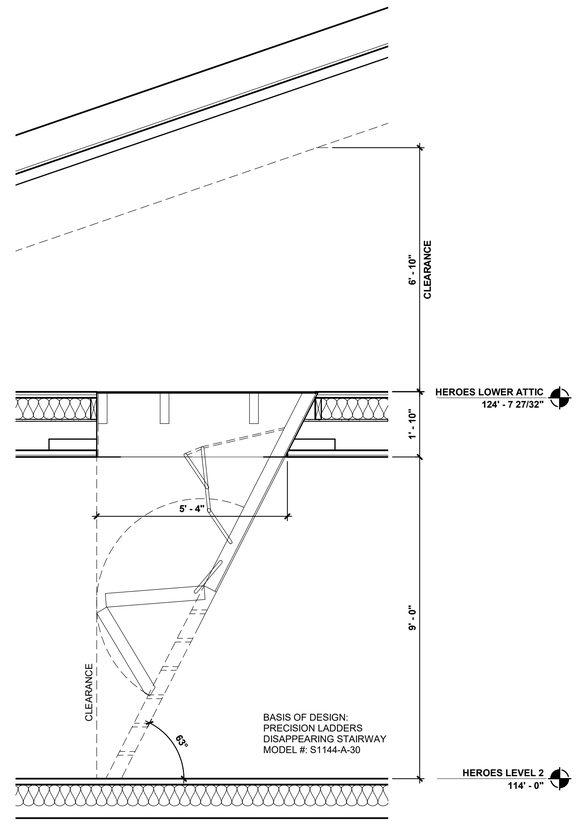
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LEVEL 2 - REFLECTED CEILING DIMENSION PLAN

Date: SEPTEMBER 23, 2022
Sheet No:
A3.03D



1 HEROES ATTIC ACCESS LADDER
SCALE: 1/2" = 1'-0"

GENERAL NOTES

KEYNOTES

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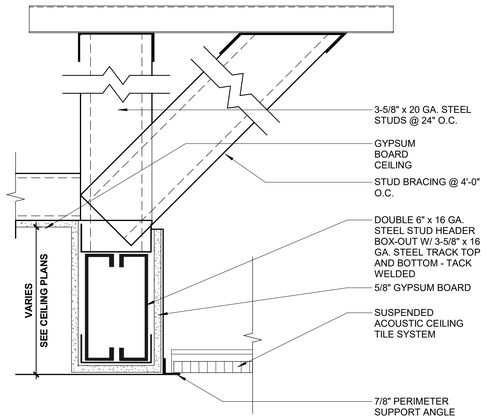
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

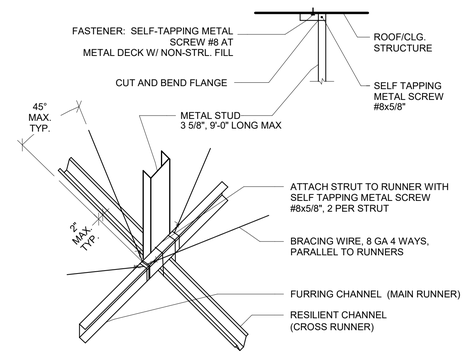
Sheet Title
CEILING DETAILS

Date: SEPTEMBER 23, 2022
Sheet No:
A3.11



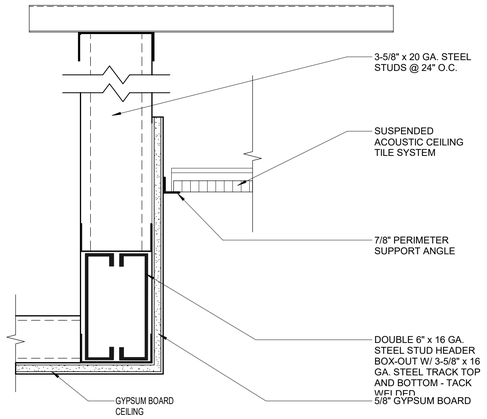
6 ACT TO GYP TRANSITION

SCALE: 3" = 1'-0"



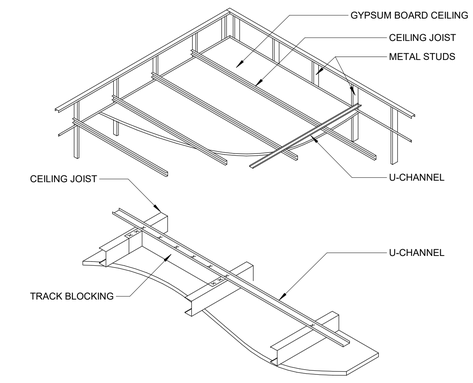
3 GYPSUM CEILING BRACING

SCALE: 3" = 1'-0"



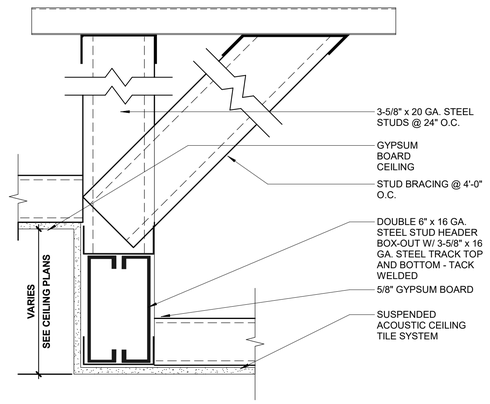
5 ACT TO GYP TRANSITION

SCALE: 3" = 1'-0"



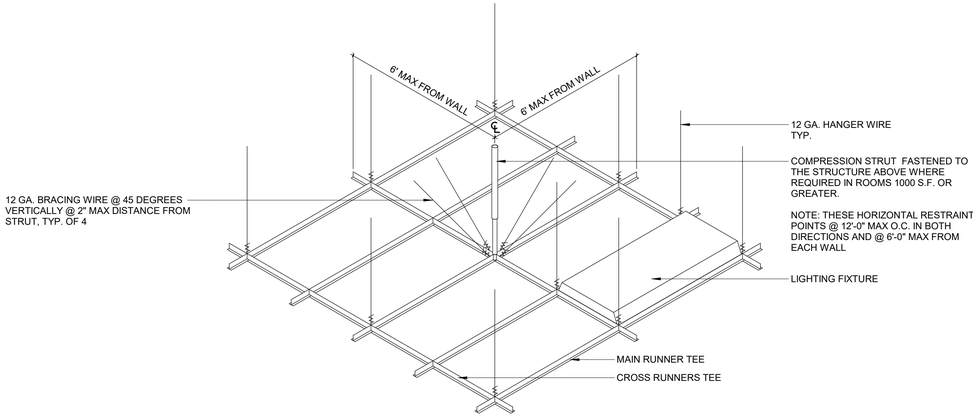
2 MID SPAN BLOCKING DETAIL

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



7 ACT TO GYP TRANSITION

SCALE: 3" = 1'-0"



4 SUSPENDED ACOUSTIC CEILING TILE

SCALE: 1/2" = 1'-0"

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

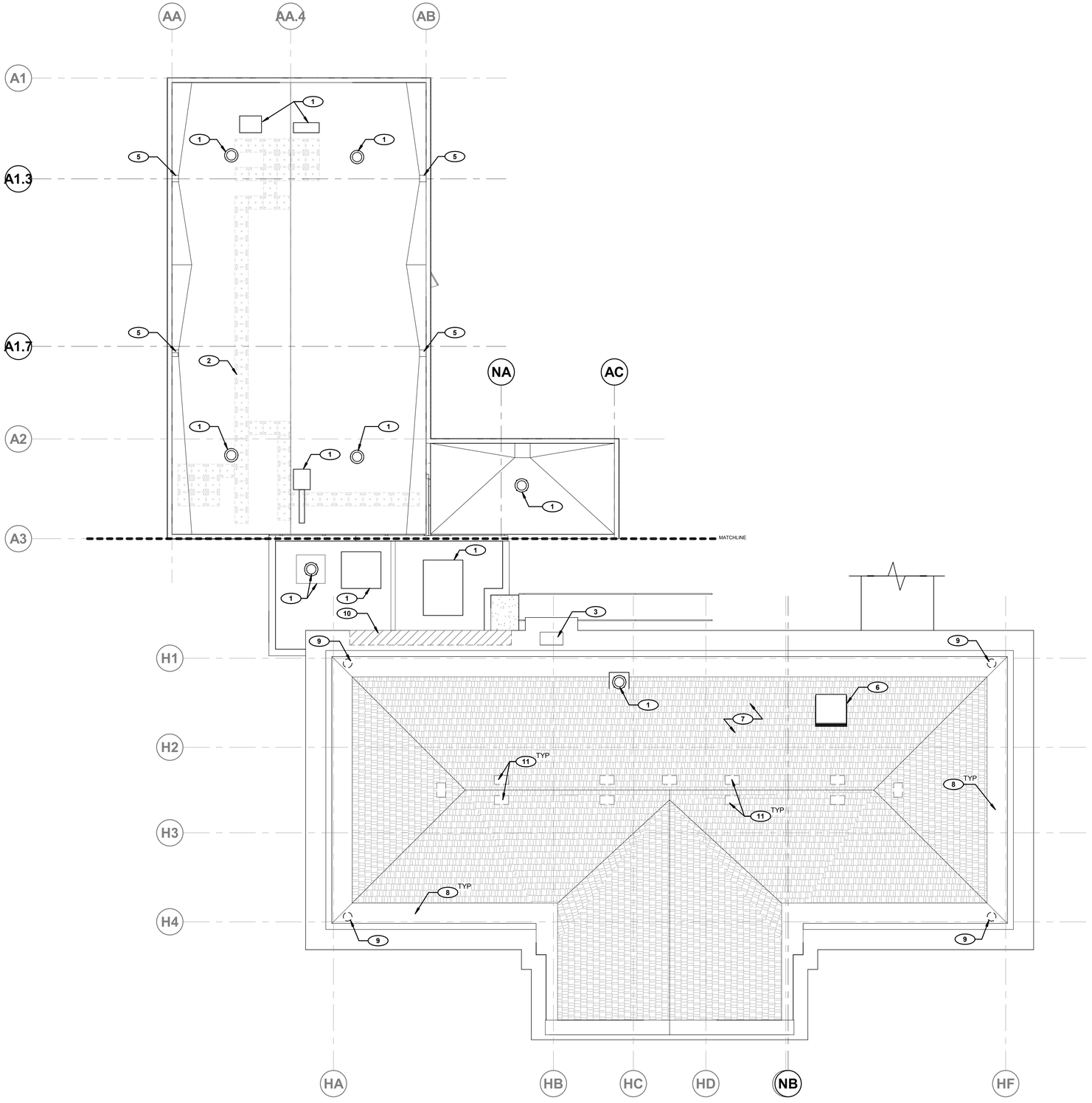
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CEILING DETAILS

Date: SEPTEMBER 23, 2022

Sheet No:

A3.21



1 OVERALL ROOF PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. REFER TO MECHANICAL PLANS FOR ROOF TOP MECHANICAL EQUIPMENT
2. DIRECTIONAL ARROWS ON ROOF PLAN INDICATE DIRECTION OF ROOF SLOPE
3. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONTRACT DOCUMENTS AS SOON AS POSSIBLE
4. CONTRACTOR TO COORDINATE ALL ROOF PENETRATION LOCATIONS WITH ARCHITECT AND ENGINEER, NOT TO INTERFERE WITH ANY STRUCTURAL MEMBER UNDER ROOF DECK PRIOR TO COMMENCING WORK.
5. ROOF MOUNTED MECHANICAL EQUIPMENT SHOWN FOR INFORMATION ONLY. VERIFY SIZE, LOCATION AND QUANTITY OF ALL EQUIPMENT WITH MECHANICAL LAYOUT.
6. CONTRACTOR TO VERIFY SUPPORT OF ROOF MOUNTED MECHANICAL EQUIPMENT WITH STRUCTURAL DRAWINGS.
7. ALL VERTICAL SURFACES AND ROOF FLASHING TO EXTEND MINIMUM OF 8" ABOVE FINISHED ROOF.
8. ALL PLUMBING VENTS FROM BELOW SHALL BE MINIMUM 10'-0" FROM ANY MECHANICAL UNIT. ALL MECHANICAL UNIT VENTS SHALL BE MINIMUM 10'-0" FROM OR AT LEAST 3'-0" ABOVE AIR INTAKES.
9. CONTRACTOR SHALL KEEP ROOF AREAS FREE OF DEBRIS (I.E. NAILS, SCREWS) THROUGHOUT CONSTRUCTION AND SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIR OF ANY DAMAGE TO ROOF MEMBRANES OR SURFACES.

KEYNOTES

1. (E) ROOF TOP MECHANICAL EQUIPMENT TO BE REMOVED - REFER TO MECHANICAL DRAWINGS
2. (E) WALKING PAD TO BE REMOVED / DEMOLISHED
3. EXISTING CHIMNEY STACK TO REMAIN - PROTECTED IN PLACE
5. (E) ROOF DRAINS TO BE DEMOLISHED
6. (E) ROOF HATCH TO BE REMOVED/DEMO
7. (E) SHINGLED ROOF TO BE REMOVED/DEMO
8. (E) ROOF MEMBRANE TO BE REMOVED/DEMO
9. (E) ROOF DRAINS TO BE REMOVED/DEMO
10. (E)CORNICE LOCATION TO BE REMOVED/DEMO TO ACCOMODATE NEW LINK BUILDING
11. (E) ROOF VENTS TO REMAIN - PROTECTED IN PLACE

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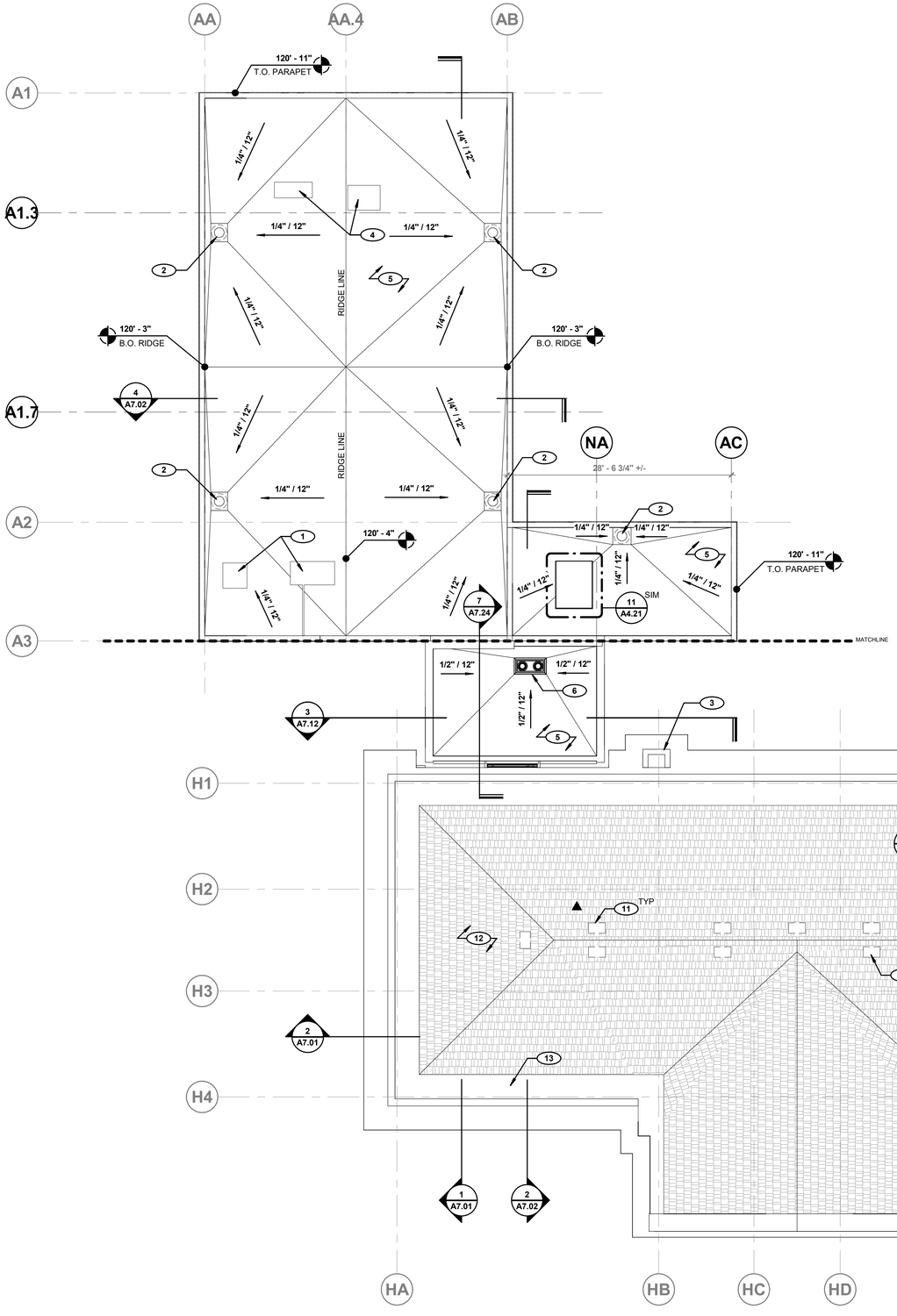
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OVERALL ROOF DEMO PLAN

Date: SEPTEMBER 23, 2022

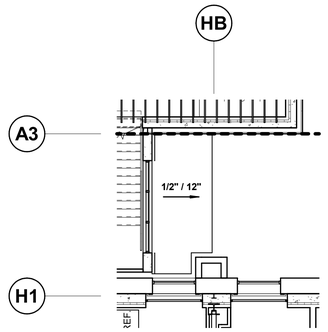
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A4.01



1 OVERALL ROOF PLAN
SCALE: 1/8" = 1'-0"

NORTH



2 LOWER ROOF PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO MECHANICAL PLANS FOR ROOF TOP MECHANICAL EQUIPMENT
2. DIRECTIONAL ARROWS ON ROOF PLAN INDICATE DIRECTION OF ROOF SLOPE
3. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONTRACT DOCUMENTS AS SOON AS POSSIBLE
4. CONTRACTOR TO COORDINATE ALL ROOF PENETRATION LOCATIONS WITH ARCHITECT AND ENGINEER, NOT TO INTERFERE WITH ANY STRUCTURAL MEMBER UNDER ROOF DECK PRIOR TO COMMENCING WORK.
5. ROOF MOUNTED MECHANICAL EQUIPMENT SHOWN FOR INFORMATION ONLY. VERIFY SIZE, LOCATION AND QUANTITY OF ALL EQUIPMENT WITH MECHANICAL LAYOUT.
6. CONTRACTOR TO VERIFY SUPPORT OF ROOF MOUNTED MECHANICAL EQUIPMENT WITH STRUCTURAL DRAWINGS.
7. ALL VERTICAL SURFACES AND ROOF FLASHING TO EXTEND MINIMUM OF 8" ABOVE FINISHED ROOF.
8. ALL PLUMBING VENTS FROM BELOW SHALL BE MINIMUM 10'-0" FROM ANY MECHANICAL UNIT. ALL MECHANICAL UNIT VENTS SHALL BE MINIMUM 10'-0" FROM OR AT LEAST 3'-0" ABOVE AIR INTAKES.
9. CONTRACTOR SHALL KEEP ROOF AREAS FREE OF DEBRIS (I.E. NAILS, SCREWS) THROUGHOUT CONSTRUCTION AND SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIR OF ANY DAMAGE TO ROOF MEMBRANES OR SURFACES.

KEYNOTES

1. EXISTING ROOF TOP VENTILATOR
2. NEW ROOF DRAINS - REFER TO PLUMBING DRAWINGS
3. EXISTING CHIMNEY STACK
4. EXISTING ROOF MECHANICAL EQUIPMENT
5. NEW SINGLE PLY ROOF MEMBRANE
6. DOUBLE NEW DRAIN WITH OVERFLOW - REFER TO PLUMBING DRAWINGS
11. EXISTING ROOF VENTS
12. NEW SHINGLE ROOF OVER NEW PLYWOOD SHEATHING
13. NEW SHINGLE ROOF OVER NEW PLYWOOD SHEATHING

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SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

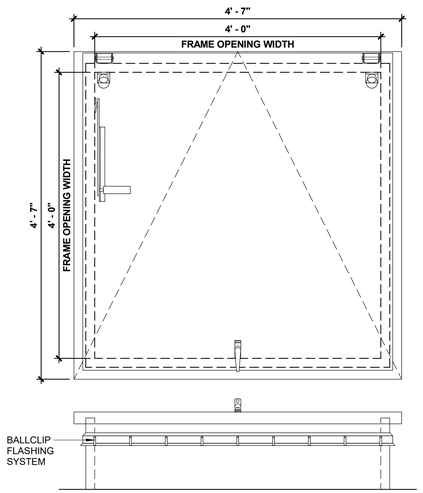
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

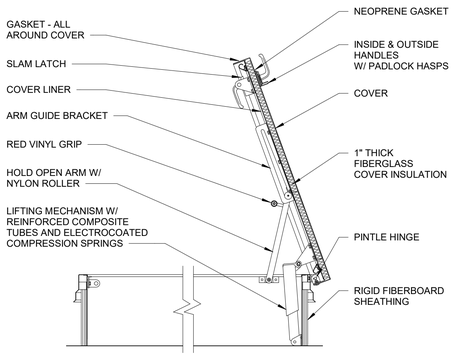
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REV	DATE	DESCRIPTION

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OVERALL ROOF PLAN

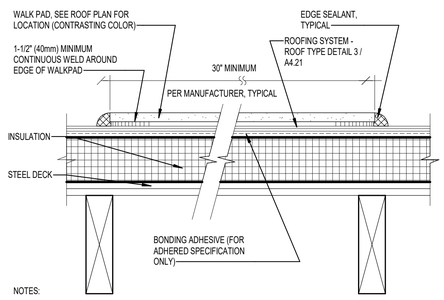
Date: SEPTEMBER 23, 2022
Sheet No:
A4.02



11 ROOF HATCH
SCALE: 1" = 1'-0"

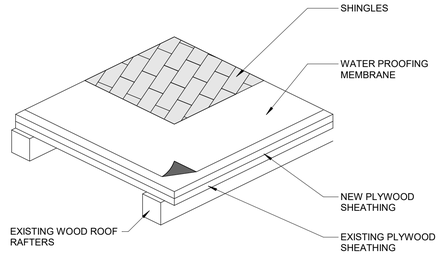


12 ROOF HATCH SECTION
SCALE: 1" = 1'-0"

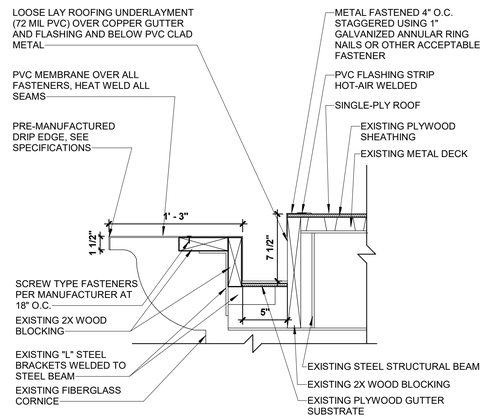


NOTES:
1. DETAIL TO BE USED IN CONJUNCTION WITH GUIDE SPECIFICATIONS CONTAINING REQUIREMENTS FOR NAILERS, INSULATION, ETC.
2. EDGE SEALANT IS REQUIRED ON ALL CUT OR NON-ENCAPSULATED EDGES OF REINFORCED MEMBRANE. THIS INCLUDES FACTORY CUT MEMBRANE.
3. THE WALKPADS MUST NOT BE INSTALLED OVER FIELD SEAMS AND FASTENER ROWS AND MUST BE GAPPED FROM THESE AREAS A MINUMUM OF 6" (150mm).
4. MINIMUM OF 6" GAP @ ALL VALLEYS AND OTHER DRAINING FLOW LINES.
5. PROVIDE 2" GAP WHERE WALKPAD CHANGES DIRECTION.

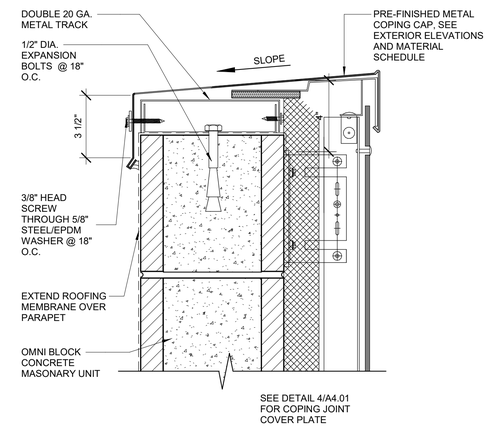
10 WALKING PAD DETAIL
SCALE: 3" = 1'-0"



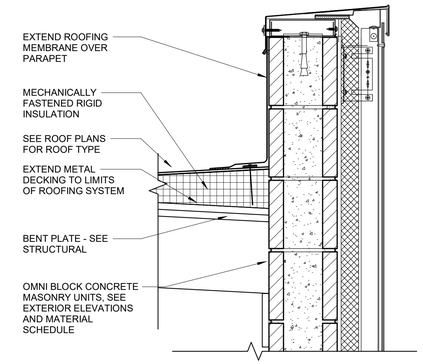
9 SHINGLE ROOF ASSEMBLY
SCALE: 1 1/2" = 1'-0"



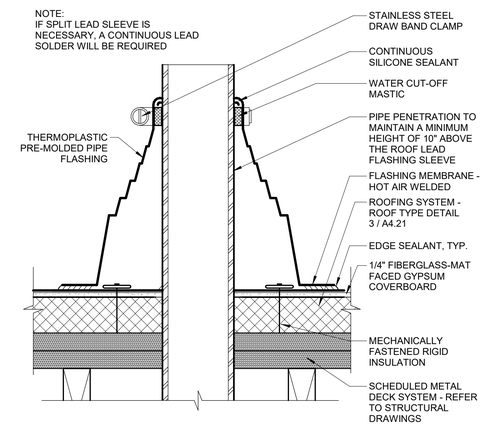
8 ENTRY PORTICO ALERATION GUTTER DETAIL
SCALE: 1 1/2" = 1'-0"



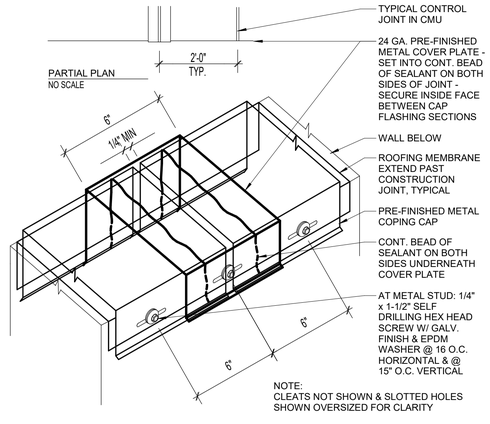
7 PARAPET DETAIL 2
SCALE: 3" = 1'-0"



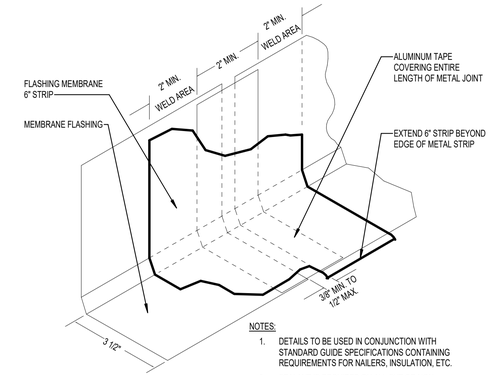
6 PARAPET DETAIL
SCALE: 1 1/2" = 1'-0"



5 TYPICAL ROOF PENETRATION
SCALE: 3" = 1'-0"

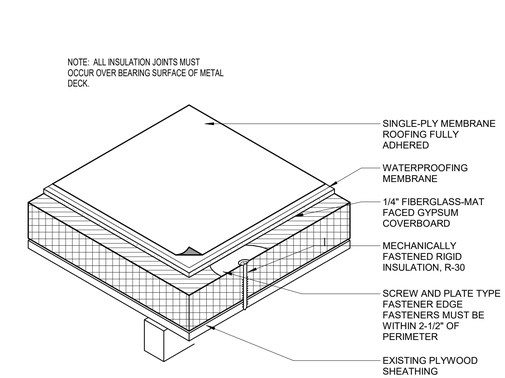


4 METAL COPPING
SCALE: 3" = 1'-0"

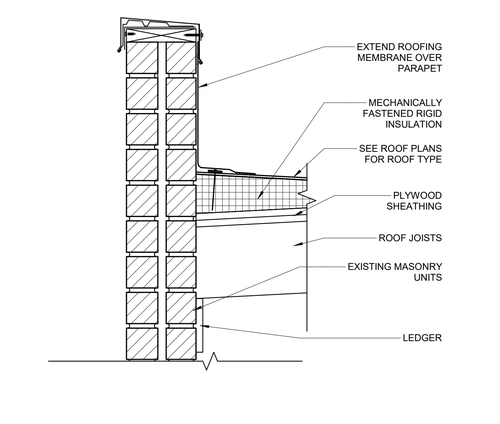


NOTES:
1. DETAILS TO BE USED IN CONJUNCTION WITH STANDARD GUIDE SPECIFICATIONS CONTAINING REQUIREMENTS FOR NAILERS, INSULATION, ETC.
2. SEALANT IS REQUIRED ON ALL CUT OR NON-ENCAPSULATED EDGES OF REINFORCED MEMBRANE.
3. A HEAT GUN MUST BE USED TO FACILITATE WELDING AT THE METAL BENDS.

3 FLASHING TYPICAL DETAIL
SCALE: 3" = 1'-0"



2 SINGLE PLY ROOF ASSEMBLY
SCALE: 3" = 1'-0"



1 PARAPET DETAIL ANNEX
SCALE: 1 1/2" = 1'-0"

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Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

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SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

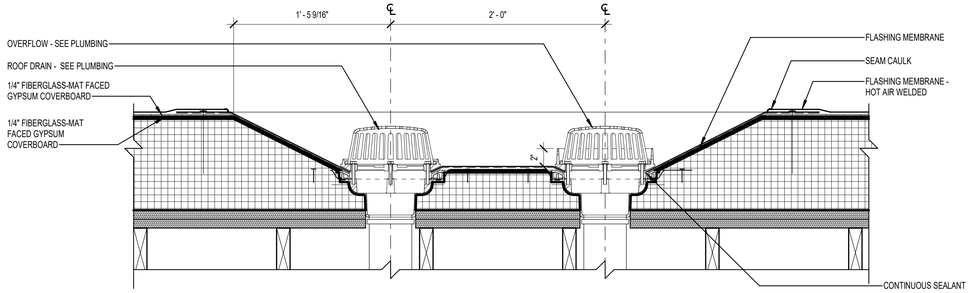
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

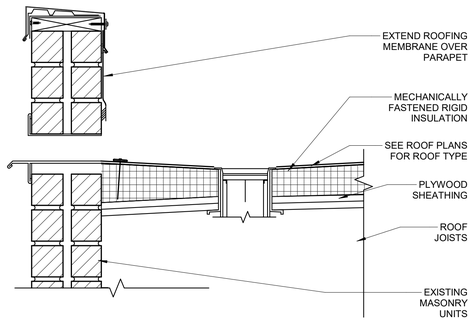
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ROOF DETAILS

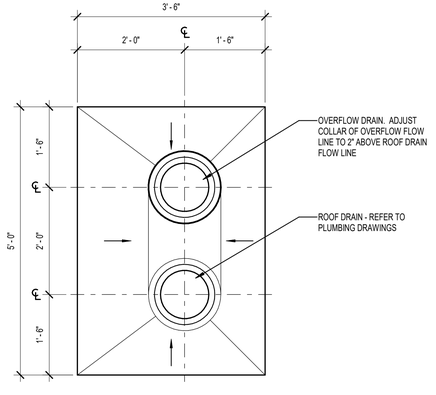
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Sheet No:
A4.21



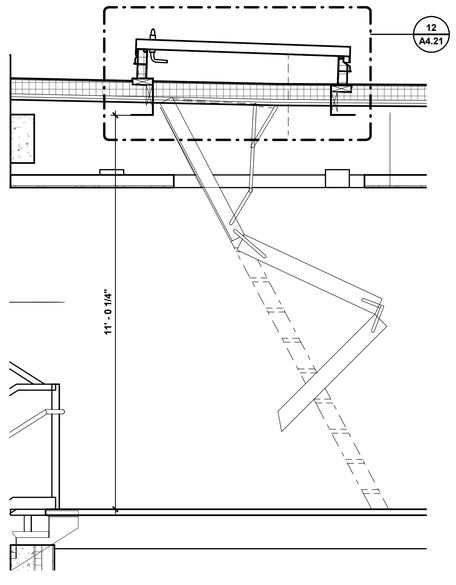
1 ROOF DRAIN / OVERFLOW DRAIN SECTION
SCALE: 1 1/2" = 1'-0"



5 THROUGH WALL SCUPPER DETAIL
SCALE: 1 1/2" = 1'-0"

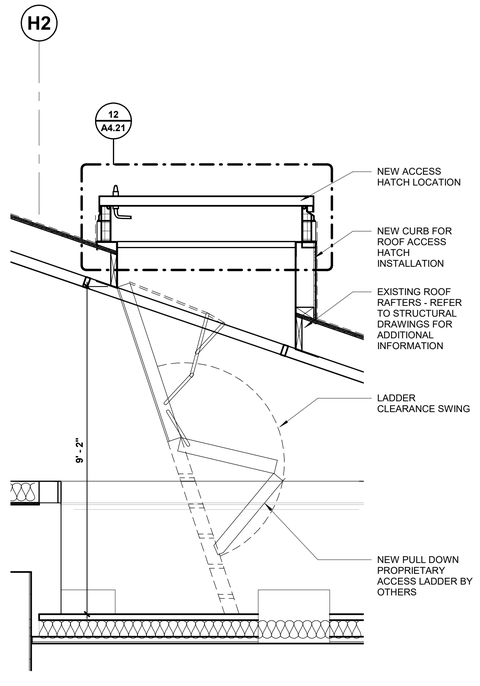


2 ROOF / OVERFLOW DRAIN PLAN VIEW
SCALE: 3/4" = 1'-0"



BASIS OF DESIGN:
PRECISION LADDERS
DISAPPEARING STAIRWAY
MODEL #: S1114-AH-30

4 ANNEX ROOF ACCESS LADDER
SCALE: 1/2" = 1'-0"



BASIS OF DESIGN:
PRECISION LADDERS
DISAPPEARING STAIRWAY
MODEL #: S1117-BDH-30

3 HEROES ATTIC TO ROOF ACCESS LADDER
SCALE: 1/2" = 1'-0"

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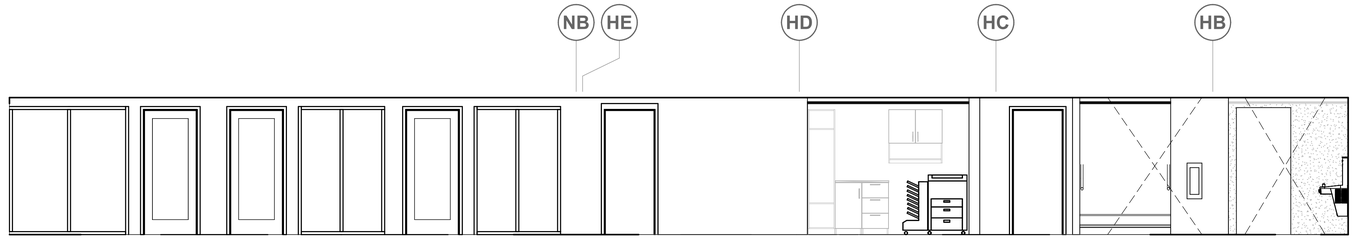
SPWD Project No. 21-P02

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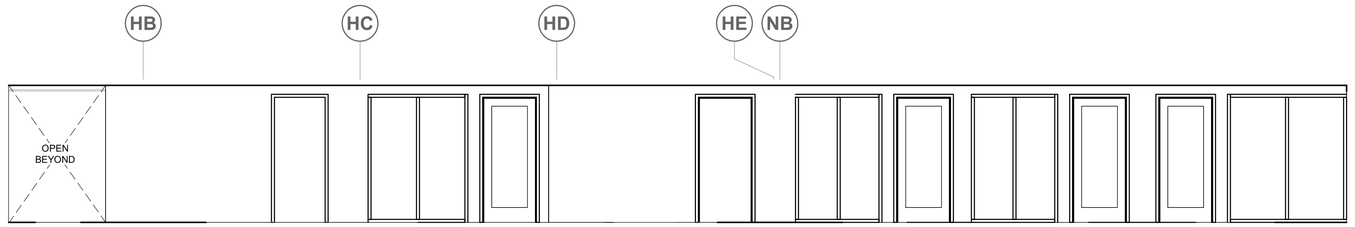
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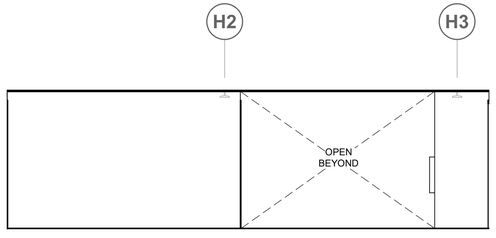
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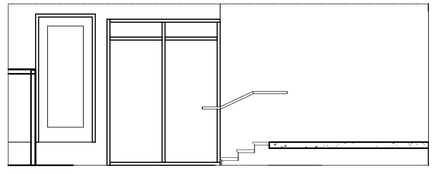
8 HEROES BASEMENT - HALLWAY SOUTH
SCALE: 1/4" = 1'-0"



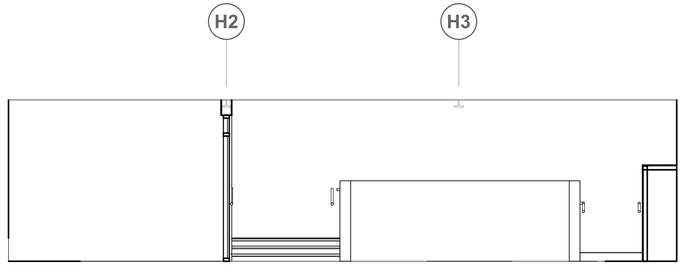
7 HEROES BASEMENT - HALLWAY NORTH
SCALE: 1/4" = 1'-0"



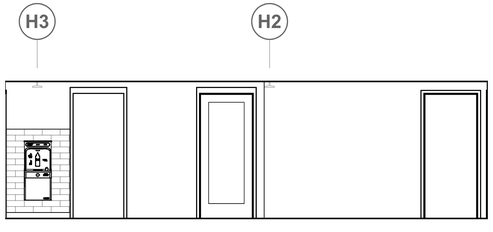
6 HEROES BASEMENT - HALLWAY EAST
SCALE: 1/4" = 1'-0"



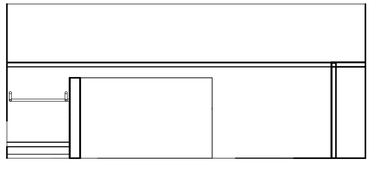
4 HEROES BASEMENT - FLEX NORTH
SCALE: 1/4" = 1'-0"



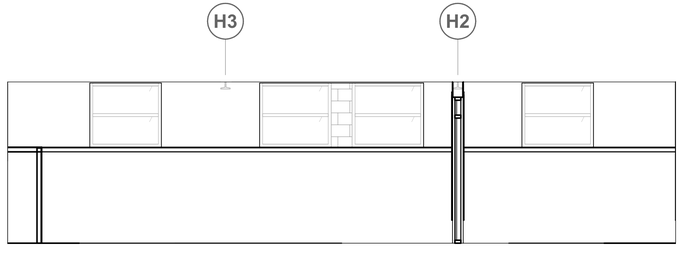
24 HEROES BASEMENT - FLEX EAST
SCALE: 1/4" = 1'-0"



5 HEROES BASEMENT - HALLWAY WEST
SCALE: 1/4" = 1'-0"



3 HEROES BASEMENT - FLEX SOUTH
SCALE: 1/4" = 1'-0"



1 HEROES BASEMENT - FLEX WEST
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO ROOM FINISH AND MATERIAL SCHEDULE SHEET FOR ADDITIONAL INFORMATION
2. REFER TO FLOOR PLANS AND PARTITION TYPES FOR WALL CONSTRUCTION
3. PROVIDE SUFFICIENT BLOCKING ON WALLS FOR ALL INTERIOR WALL MOUNTED EQUIPMENT
4. LOCATION OF J-BOXES AND DATA FOR ANY ELECTRICAL EQUIPMENT MUST BE COORDINATED WITH MOUNTING BRACKET PRIOR TO INSTALLING REINFORCEMENT/BACKING IN STUD WALL
5. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS AND LOCATIONS UNLESS NOTED OTHERWISE
6. CONTRACTOR TO COORDINATE ALL SECURITY SYSTEM WORK WITH THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO INSTALLATION
7. CONTRACTOR TO REPORT ANY DISCREPANCIES WITH WALL MOUNTED EQUIPMENT AND ACCESSORIES WITH THE ARCHITECT AND INTERIOR DESIGNER

KEYNOTES

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314 South Water Street,
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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

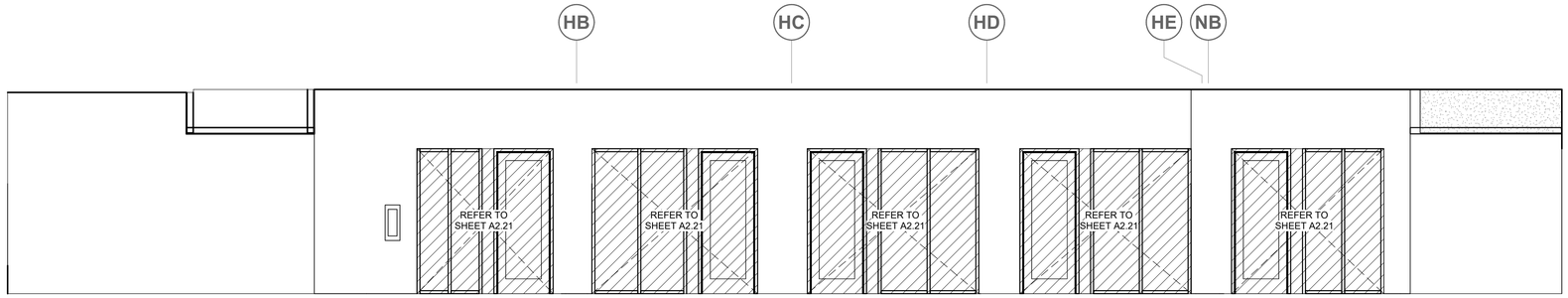
SPWD Project No. 21-P02

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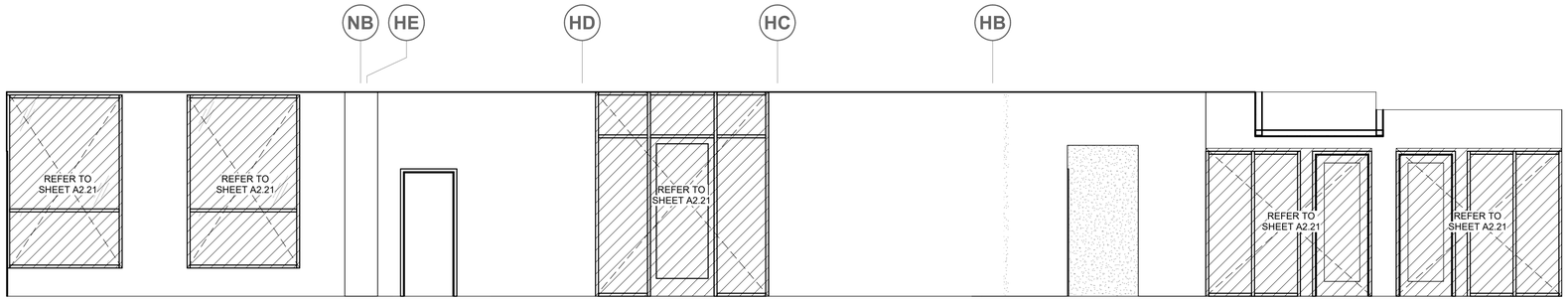
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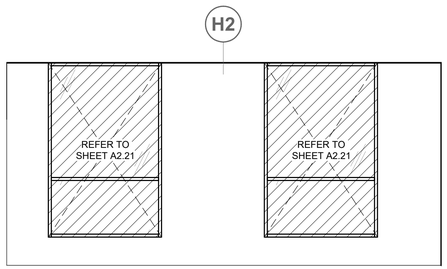
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A5.01



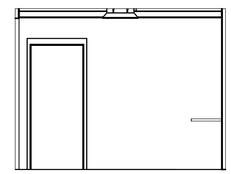
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SCALE: 1/4" = 1'-0"



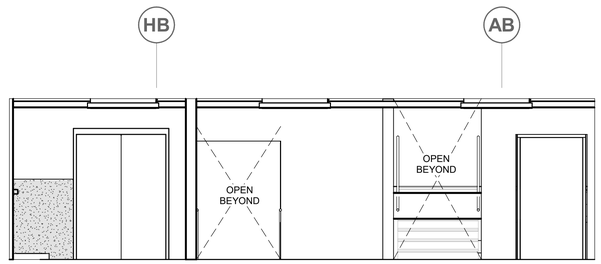
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SCALE: 1/4" = 1'-0"



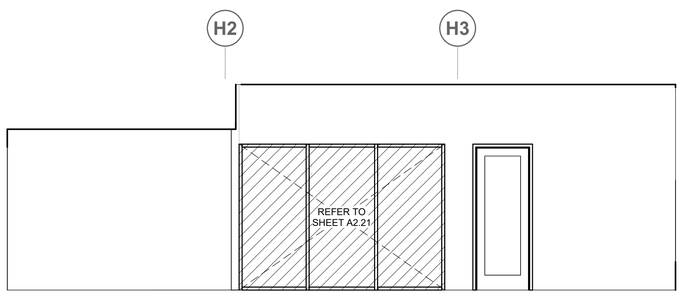
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SCALE: 1/4" = 1'-0"



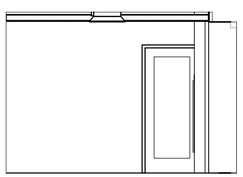
4 ANNEX L1 - ELEVATOR LOBBY EAST
SCALE: 1/4" = 1'-0"



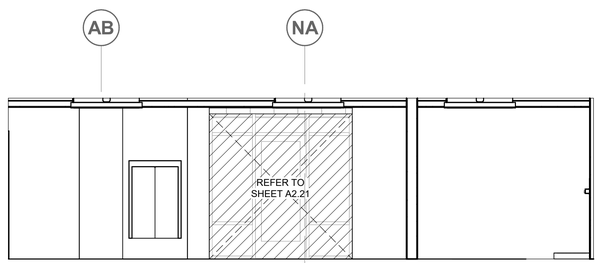
2 ANNEX L1 - ELEVATOR LOBBY SOUTH
SCALE: 1/4" = 1'-0"



5 HEROES L1 - HALLWAY EAST
SCALE: 1/4" = 1'-0"



3 ANNEX L1 - ELEVATOR LOBBY WEST
SCALE: 1/4" = 1'-0"



1 ANNEX L1 - ELEVATOR LOBBY NORTH
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO ROOM FINISH AND MATERIAL SCHEDULE SHEET FOR ADDITIONAL INFORMATION
2. REFER TO FLOOR PLANS AND PARTITION TYPES FOR WALL CONSTRUCTION
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SPWD Project No. 21-P02

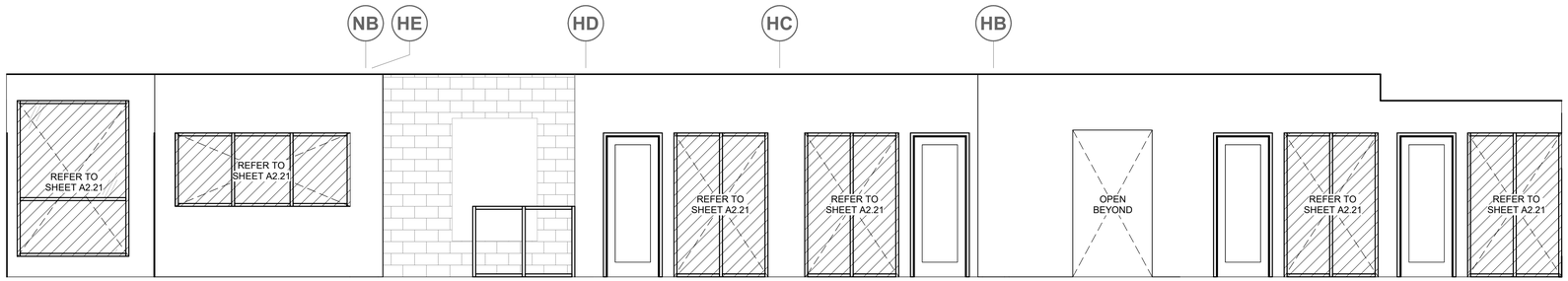
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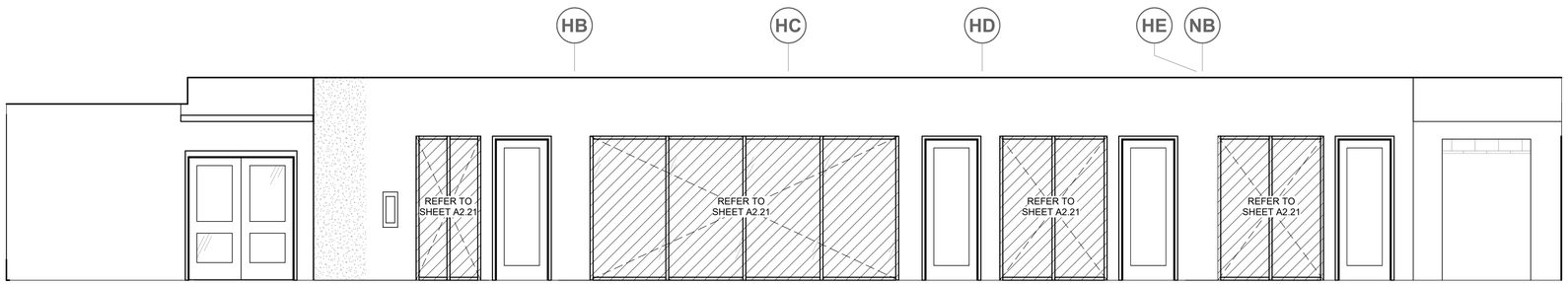
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INTERIOR ELEVATIONS

Date: SEPTEMBER 23, 2022
Sheet No:

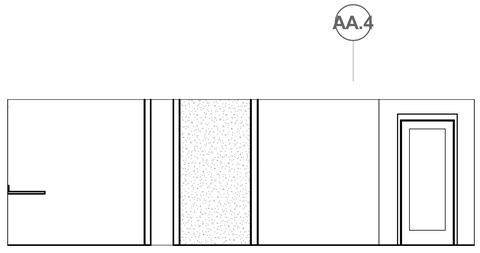
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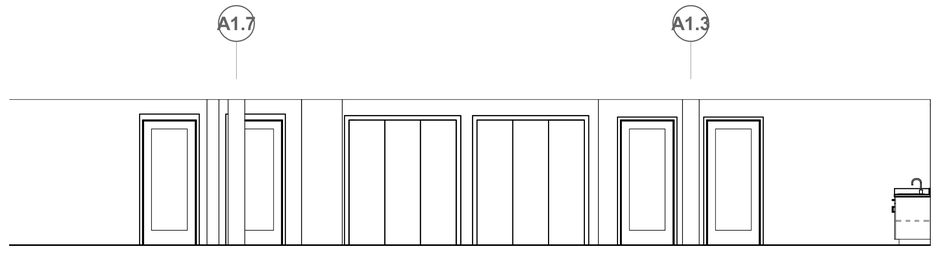
6 HEROES L2 - SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



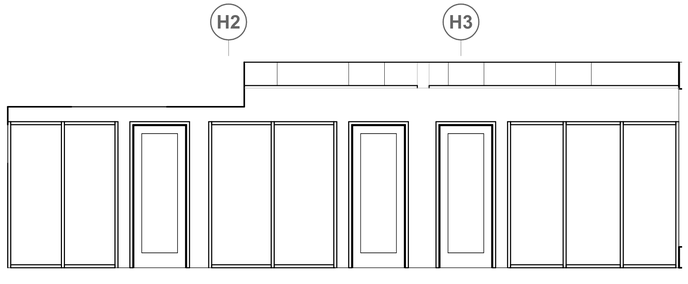
5 HEROES L2 - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



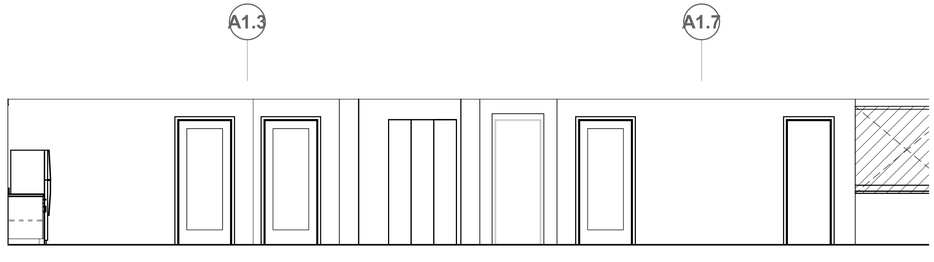
4 ANNEX L2 - HALLWAY SOUTH
SCALE: 1/4" = 1'-0"



2 ANNEX L2 - HALLWAY WEST
SCALE: 1/4" = 1'-0"



3 HEROES L2 - EAST ELEVATION
SCALE: 1/4" = 1'-0"



1 ANNEX L2 - HALLWAY EAST
SCALE: 1/4" = 1'-0"

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

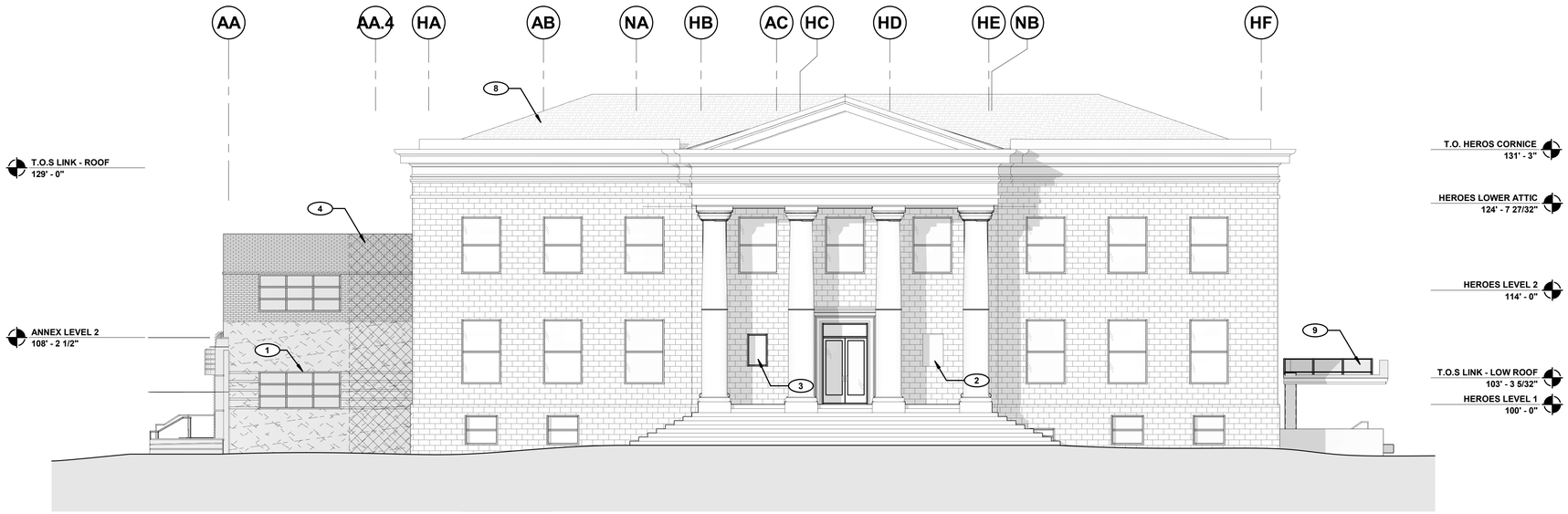
SPWD Project No. 21-P02

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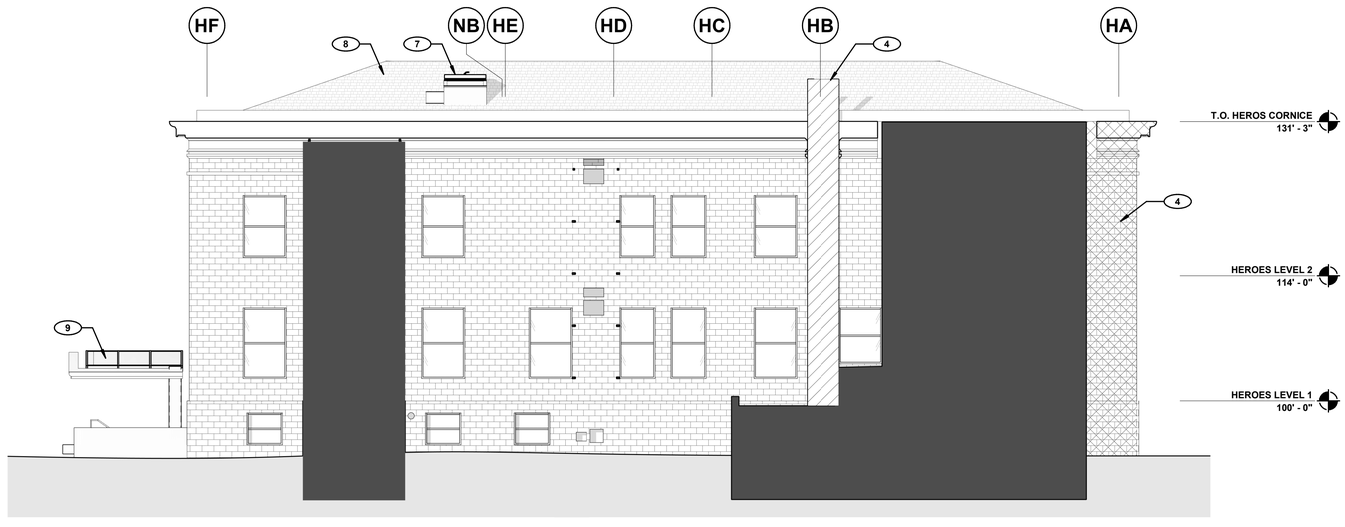
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REV	DATE	DESCRIPTION

Sheet Title
INTERIOR ELEVATIONS

Date: SEPTEMBER 23, 2022
Sheet No:
A5.03



2 EAST HEROS ELEVATION
SCALE: 1/8" = 1'-0"



1 WEST HEROS ELEVATION
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1	ALL EXISTING HISTORICAL EXTERIOR ELEMENTS TO BE PROTECTED IN PLACE DURING CONSTRUCTION
2	CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONTRACT DOCUMENTS AS SOON AS POSSIBLE
3	REFER TO CIVIL PLANS FOR VARIOUS GRADE LEVELS
4	ALL TOP OF PARAPET (T.O.P.) AND TOP OF WALL (T.O.W.) ELEVATION INDICATED ARE MEASURED FROM FINISH FLOOR ELEVATION
5	SEE ENLARGED ELEVATIONS FOR ADDITIONAL INFORMATION
6	REFER TO SHEET A2.01 FOR MATERIAL FINISH INFORMATION
7	ALL HISTORICAL ARTIFACTS ARE TO REMAIN PROPERTY OF NEVADA SPWD
8	REPOINT ALL EXTERIOR MASONRY
9	PREPARE EXISTING WALLS TO ACCEPT NEW STRUCTURAL WALL REINFORCEMENT METHODS. SEE STRUCTURAL DRAWINGS FOR AREA OF WORK AND CRITERIA

KEYNOTES

1	(N) WINDOW TO MATCH EXISTING ABOVE
2	(E) METAL COMMEMORATIVE PLAQUE
3	HISTORIC WINDOW TO BE PROTECTED IN PLACE
4	NEW WALL TO MATCH (E) HISTORICAL
5	(E) MECHANICAL
6	(E) CHIMNEY STACK TO REMAIN - PROTECTED IN PLACE
7	NEW ROOF HATCH LOCATION
8	NEW ASPHALT SHINGLE ROOF OVER NEW PLYWOOD SHEATHING
9	NEW CANOPY - REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION
10	NEW PEFORATED SCREEN FOR MECHANICAL DUCT WORK
11	NEW MECHANICAL DUCTS - REFER TO MECHANICAL DRAWINGS
12	EXTERIOR PENETRATION - REFER TO STRUCTURAL DRAWINGS

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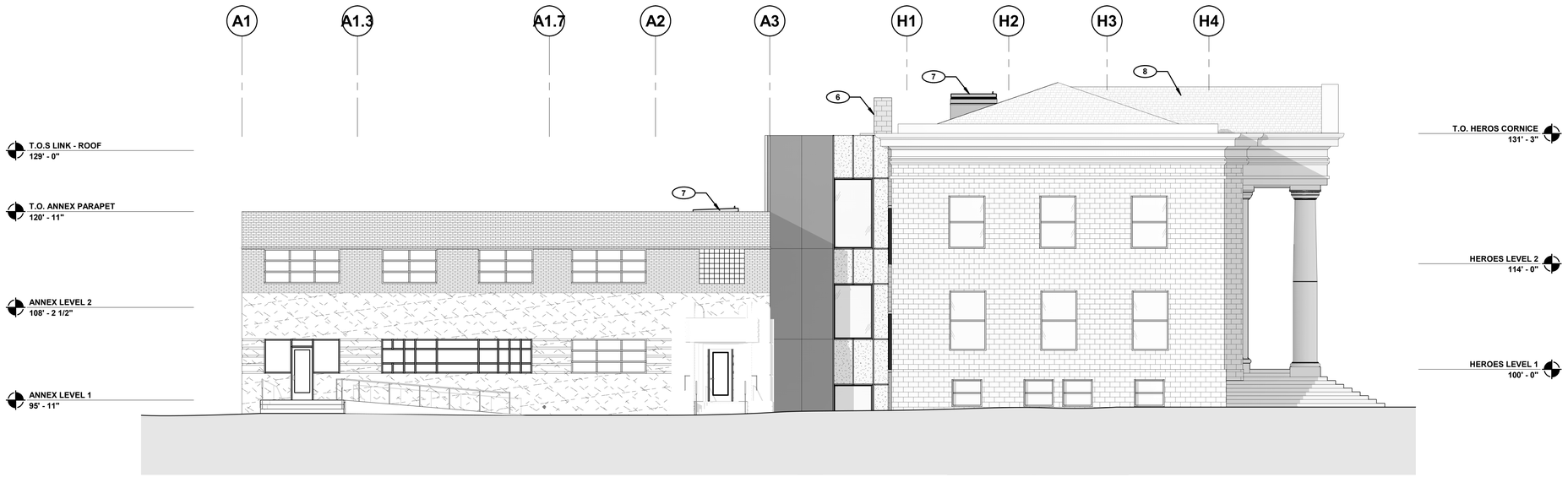
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REV	DATE	DESCRIPTION

Sheet Title
EXTERIOR ELEVATIONS

Date: SEPTEMBER 23, 2022
Sheet No:

A6.01



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



1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

GENERAL NOTES

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2. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONTRACT DOCUMENTS AS SOON AS POSSIBLE
3. REFER TO CIVIL PLANS FOR VARIOUS GRADE LEVELS
4. ALL TOP OF PARAPET (T.O.P.) AND TOP OF WALL (T.O.W.) ELEVATION INDICATED ARE MEASURED FROM FINISH FLOOR ELEVATION
5. SEE ENLARGED ELEVATIONS FOR ADDITIONAL INFORMATION
6. REFER TO SHEET A2.01 FOR MATERIAL FINISH INFORMATION
7. ALL HISTORICAL ARTIFACTS ARE TO REMAIN PROPERTY OF NEVADA SPWD
8. REPOINT ALL EXTERIOR MASONRY
9. PREPARE EXISTING WALLS TO ACCEPT NEW STRUCTURAL WALL REINFORCEMENT METHODS. SEE STRUCTURAL DRAWINGS FOR AREA OF WORK AND CRITERIA

KEYNOTES

1. (N) WINDOW TO MATCH EXISTING ABOVE
2. (E) METAL COMMEMORATIVE PLAQUE
3. HISTORIC WINDOW TO BE PROTECTED IN PLACE
4. NEW WALL TO MATCH (E) HISTORICAL
5. (E) MECHANICAL
6. (E) CHIMNEY STACK TO REMAIN - PROTECTED IN PLACE
7. NEW ROOF HATCH LOCATION
8. NEW ASPHALT SHINGLE ROOF OVER NEW PLYWOOD SHEATHING
9. NEW CANOPY - REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION
10. NEW PEFORATED SCREEN FOR MECHANICAL DUCT WORK
11. NEW MECHANICAL DUCTS - REFER TO MECHANICAL DRAWINGS
12. EXTERIOR PENETRATION - REFER TO STRUCTURAL DRAWINGS

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HEROES MEMORIAL BUILDING & ANNEX

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NEVADA STATE PUBLIC WORKS DIVISION

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SPWD Project No. 21-P02

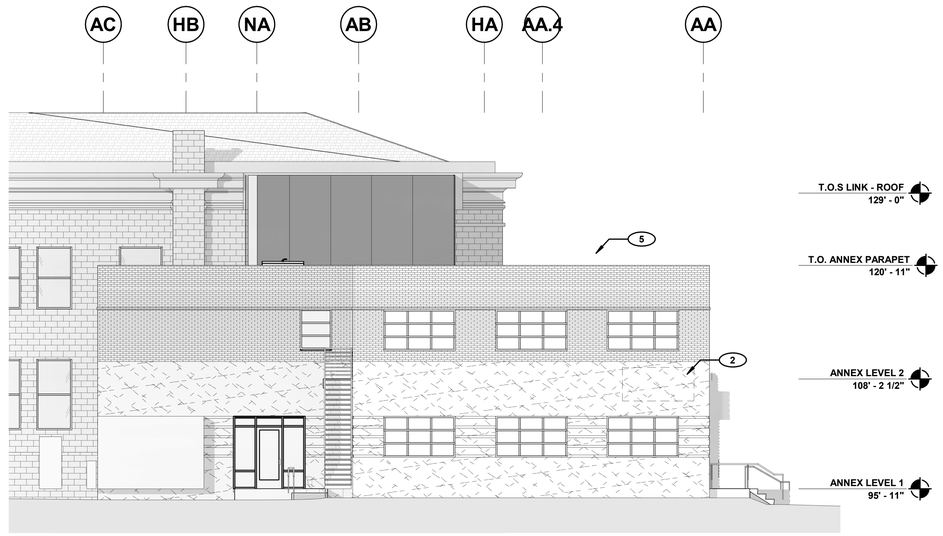
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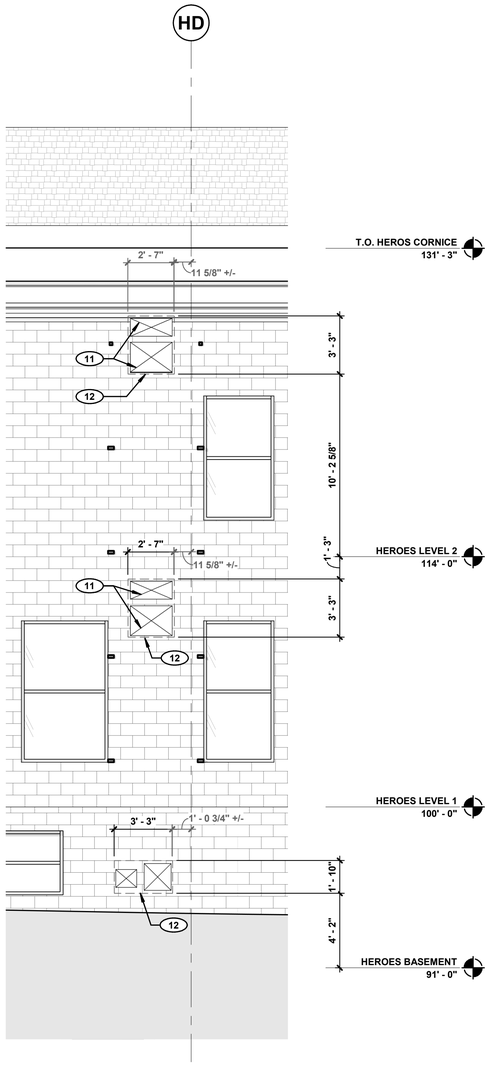
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EXTERIOR ELEVATIONS

Date: SEPTEMBER 23, 2022
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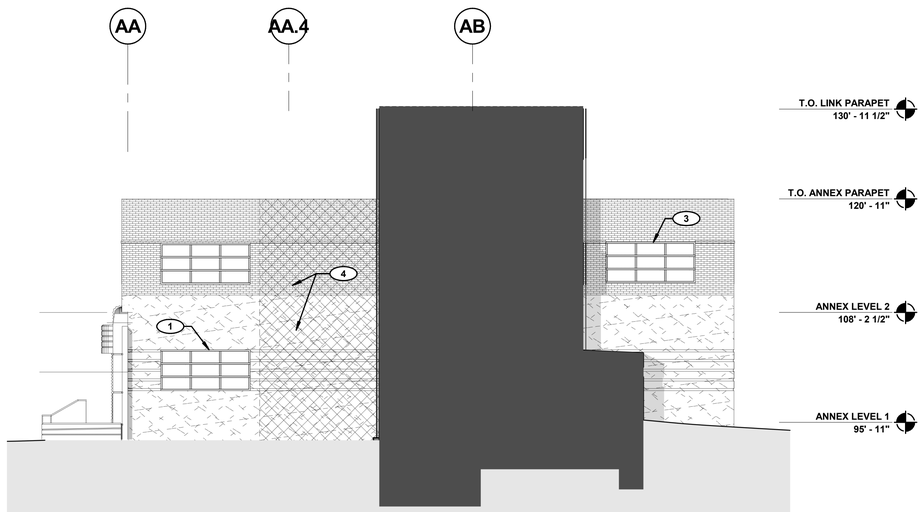
A6.02



2 ANNEX WEST ELEVATION
SCALE: 1/8" = 1'-0"



3 ENLARGED HEROES WEST ELEVATION
SCALE: 1/4" = 1'-0"



1 ANNEX EAST ELEVATION
SCALE: 1/8" = 1'-0"

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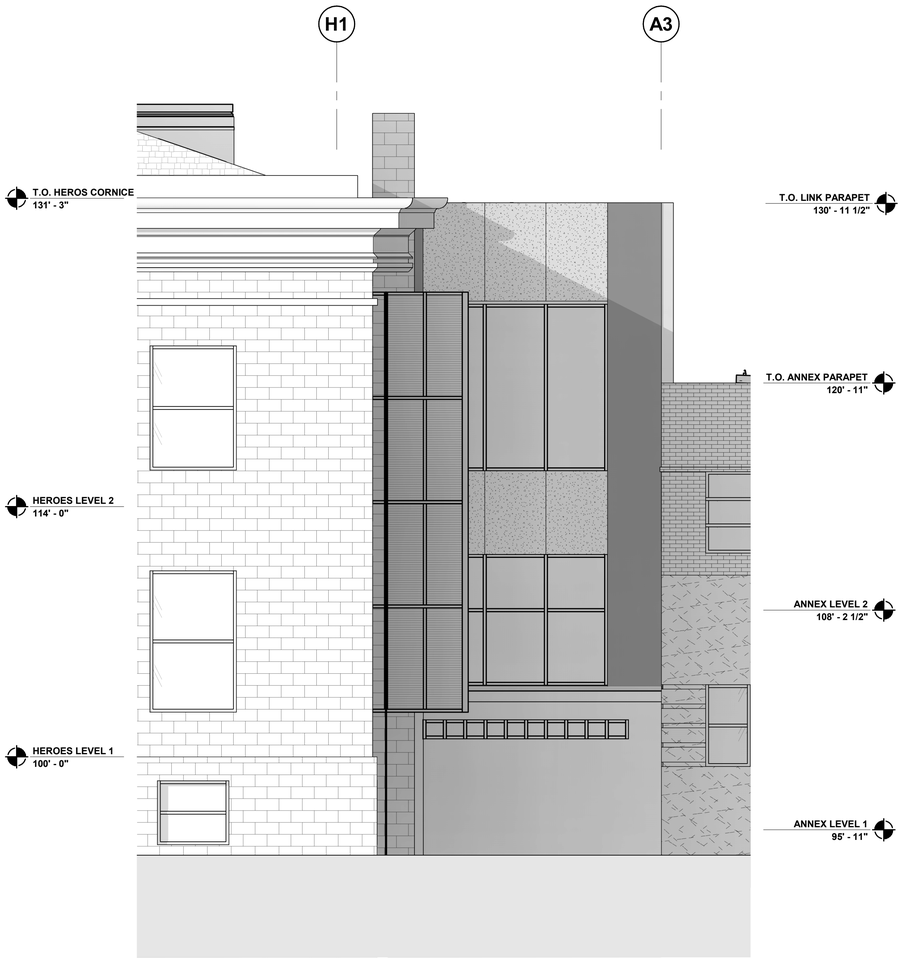
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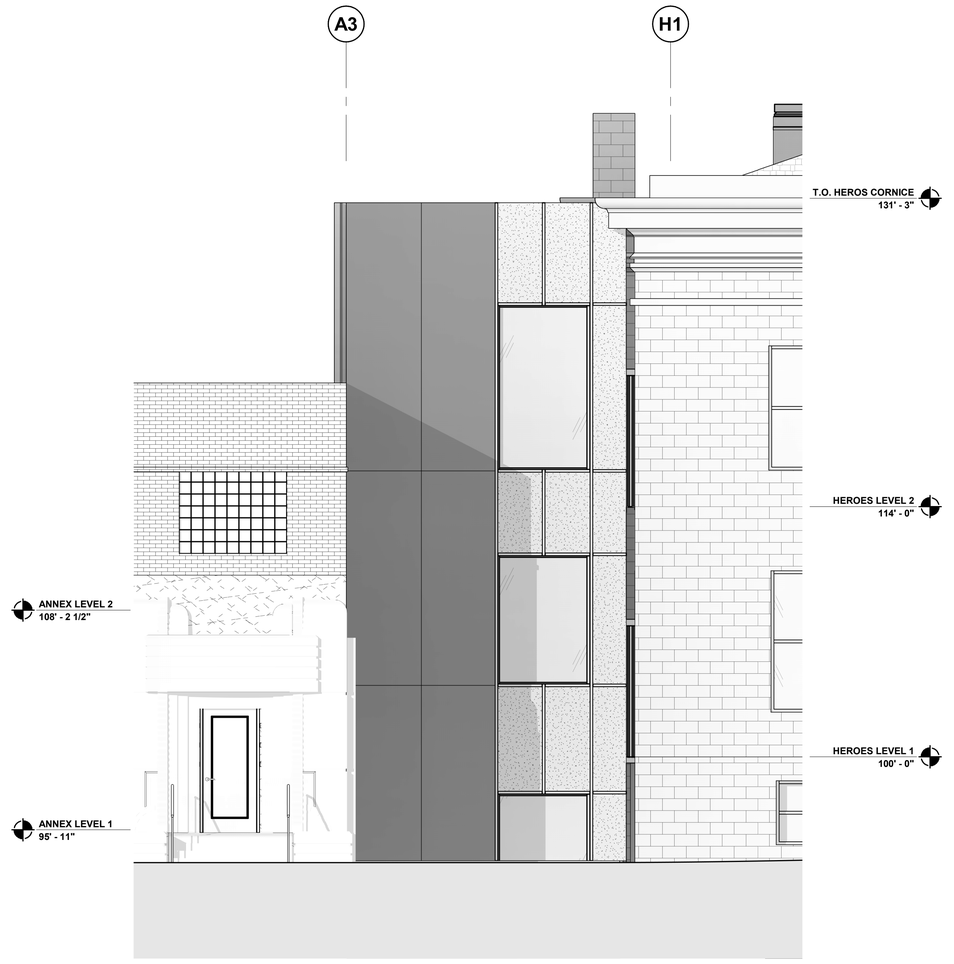
Sheet Title
EXTERIOR ELEVATIONS

Date: SEPTEMBER 23, 2022
Sheet No:

A6.03



2 LINK NORTH ELEVATION
SCALE: 1/4" = 1'-0"



1 LINK SOUTH ELEVATION
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7. NEW ROOF HATCH LOCATION
8. NEW ASPHALT SHINGLE ROOF OVER NEW PLYWOOD SHEATHING
9. NEW CANOPY - REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION
10. NEW PEFORATED SCREEN FOR MECHANICAL DUCT WORK
11. NEW MECHANICAL DUCTS - REFER TO MECHANICAL DRAWINGS
12. EXTERIOR PENETRATION - REFER TO STRUCTURAL DRAWINGS

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

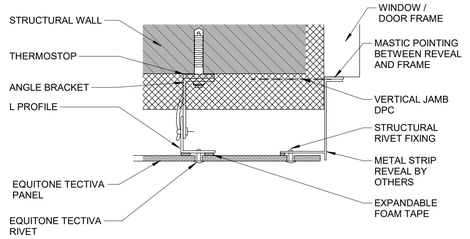
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EXTERIOR ELEVATIONS

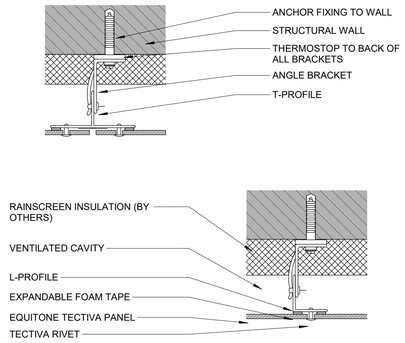
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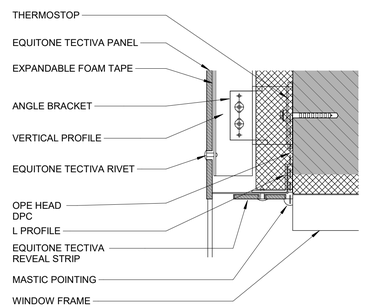
6 EQUITONE OPEN JAMB METAL REVEAL

SCALE: 3" = 1'-0"



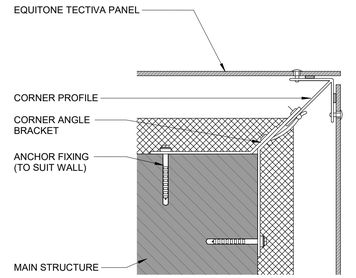
3 EQUITONE GENERAL ARRANGEMENT

SCALE: 3" = 1'-0"



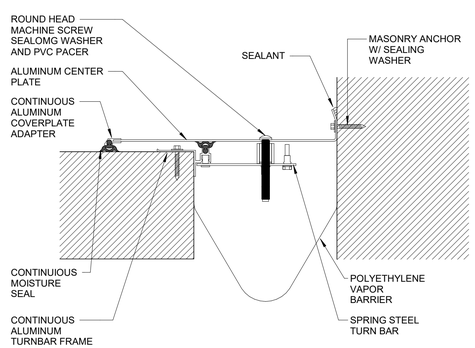
5 EQUITONE OPEN HEAD

SCALE: 3" = 1'-0"



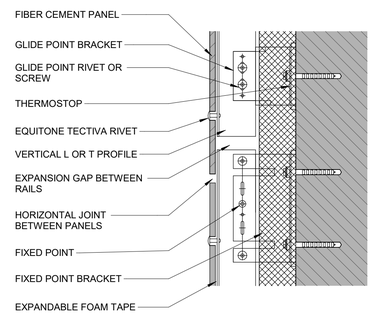
2 EQUITONE EXT. CORNER

SCALE: 3" = 1'-0"



7 EXPANSION JOINT DETAIL

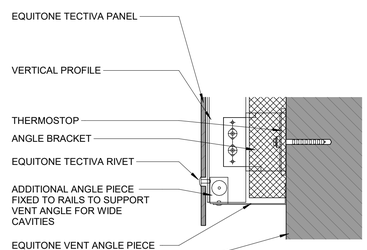
SCALE: 3" = 1'-0"



BASIS OF DESIGN : EQUITONE PANELS

4 JOINT BETWEEN PROFILES

SCALE: 3" = 1'-0"



BASIS OF DESIGN : EQUITONE PANELS

1 EQUITONE BASE

SCALE: 3" = 1'-0"

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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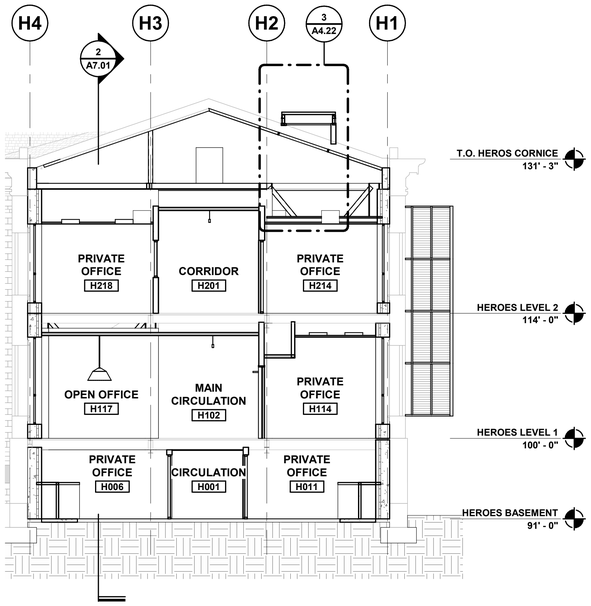
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EXTERIOR DETAILS

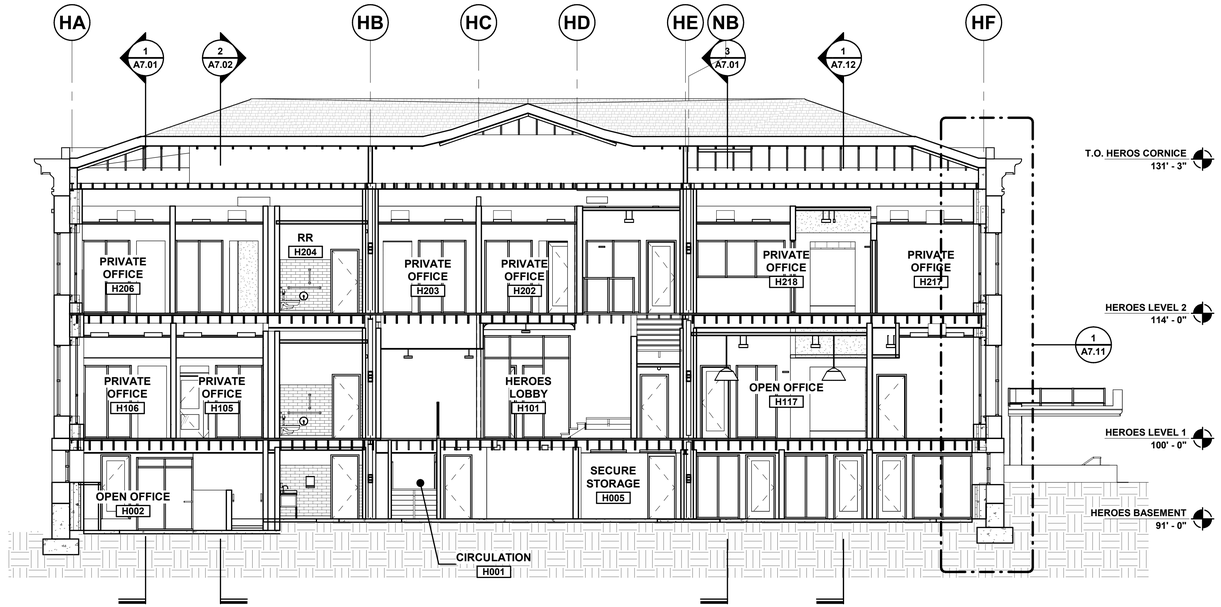
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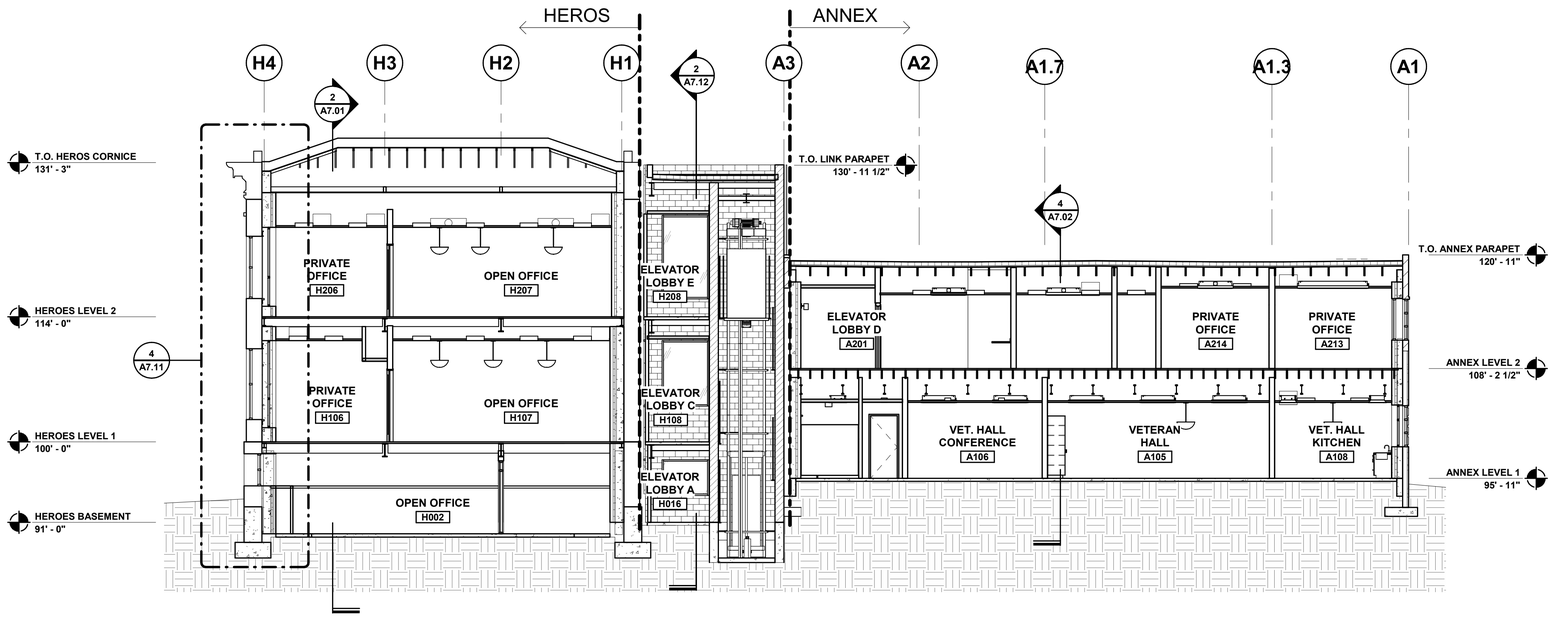
A6.21



3 SECTION 03
SCALE: 1/8" = 1'-0"



2 SECTION 02
SCALE: 1/8" = 1'-0"



1 SECTION 01
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1	REFER TO CIVIL PLANS FOR ANY VARIOUS GRADE LEVELS
2	REFER TO MATERIAL SCHEDULE FOR ANY FINISH INFORMATION
3	REFER TO SHEETS A4.XX FOR ROOF PLANS AND ROOF DETAILS
4	REFER TO FLOOR PLAN FOR PARTITION WALL TYPES
5	REFER TO FINISH PLANS FOR FINISH SCHEDULE OF FLOOR, WALL, AND CEILING
6	REFER TO EXTERIOR ELEVATION SHEETS FOR EXTERIOR COLOR, TEXTURE, AND PAINT FINISHES
7	PROVIDE APPROPRIATE FIRE STOPPING AT ALL FIRE-RATED PARTITIONS
8	ALL PENETRATIONS THROUGH WALLS WITH SOUND INSULATIONS SHALL BE SEALED TIGHT WITH ACOUSTICAL INSULATION AND SEALANT
9	ANY INTERIOR FURNISHINGS SHOWN ARE FOR REFERENCE ONLY.
10	ALL DISSIMILAR MATERIALS TO RECEIVE SEALANT PRIOR TO PAINTING

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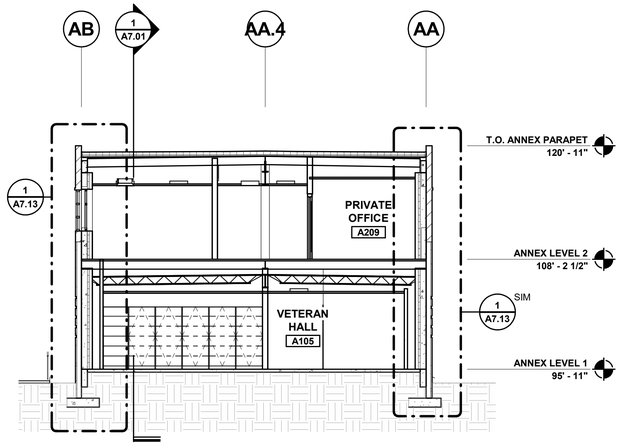
SPWD Project No. 21-P02

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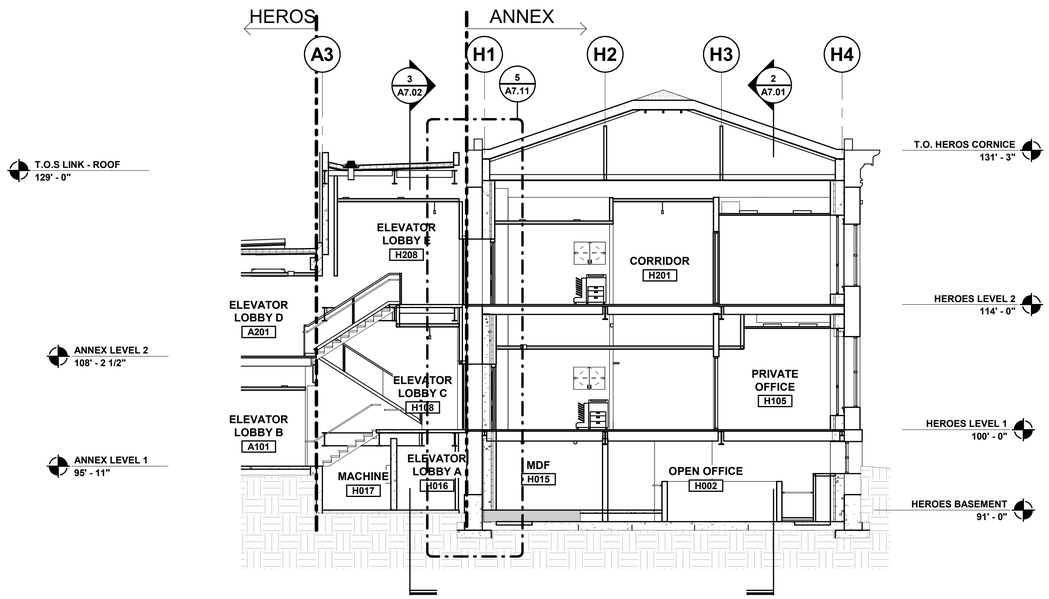
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REV	DATE	DESCRIPTION

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BUILDING SECTIONS

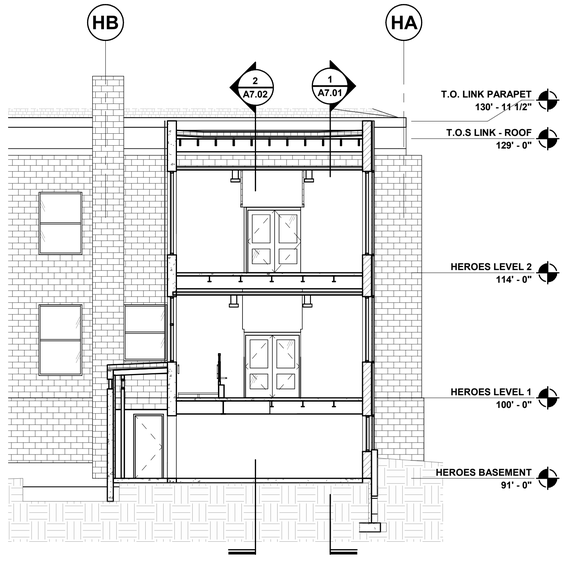
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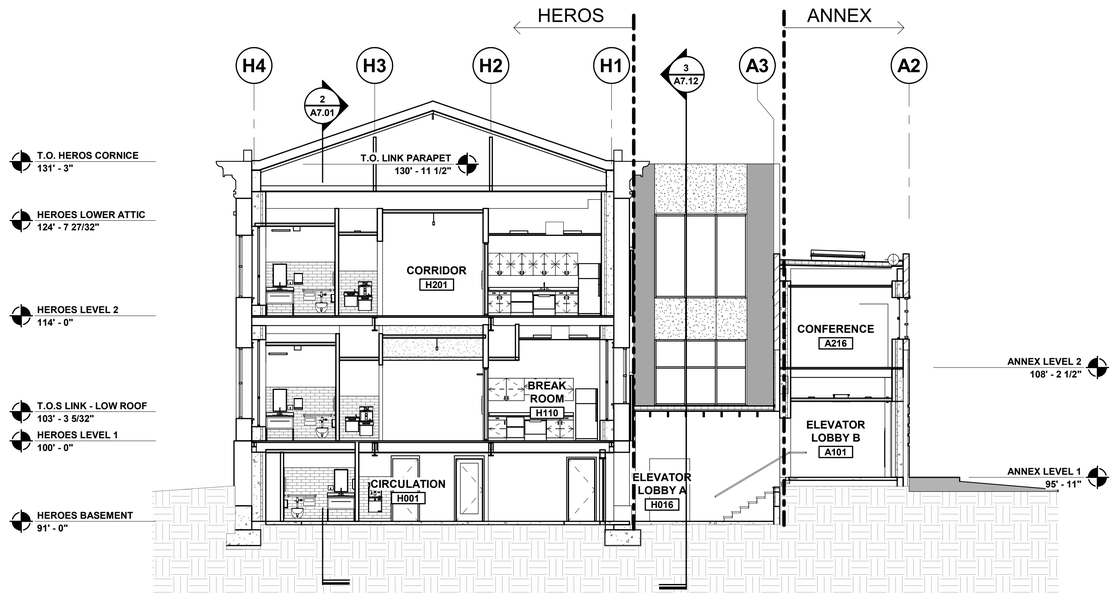
4 SECTION 07
SCALE: 1/8" = 1'-0"



2 SECTION 05
SCALE: 1/8" = 1'-0"



3 SECTION AT LINK
SCALE: 1/8" = 1'-0"



1 SECTION 04
SCALE: 1/8" = 1'-0"

GENERAL NOTES

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Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

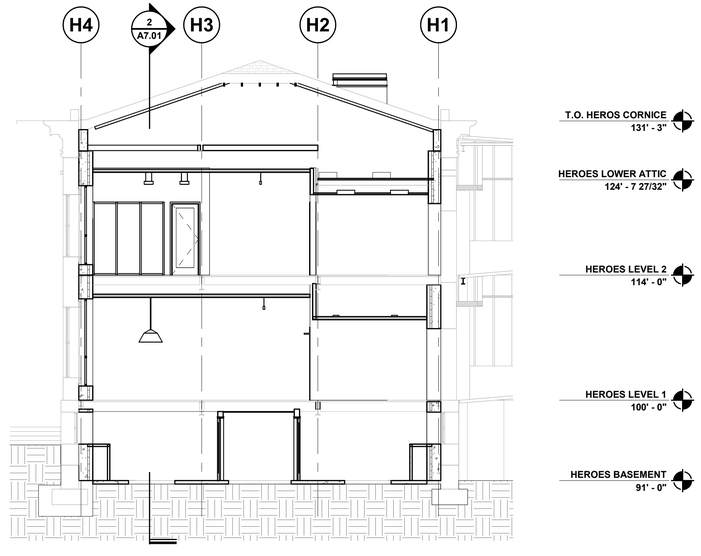
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
BUILDING SECTIONS

Date: SEPTEMBER 23, 2022
Sheet No:
A7.02



1 SECTION 1
SCALE: 1/8" = 1'-0"

GENERAL NOTES

KEYNOTES

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NEVADA STATE PUBLIC WORKS DIVISION

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SPWD Project No. 21-P02

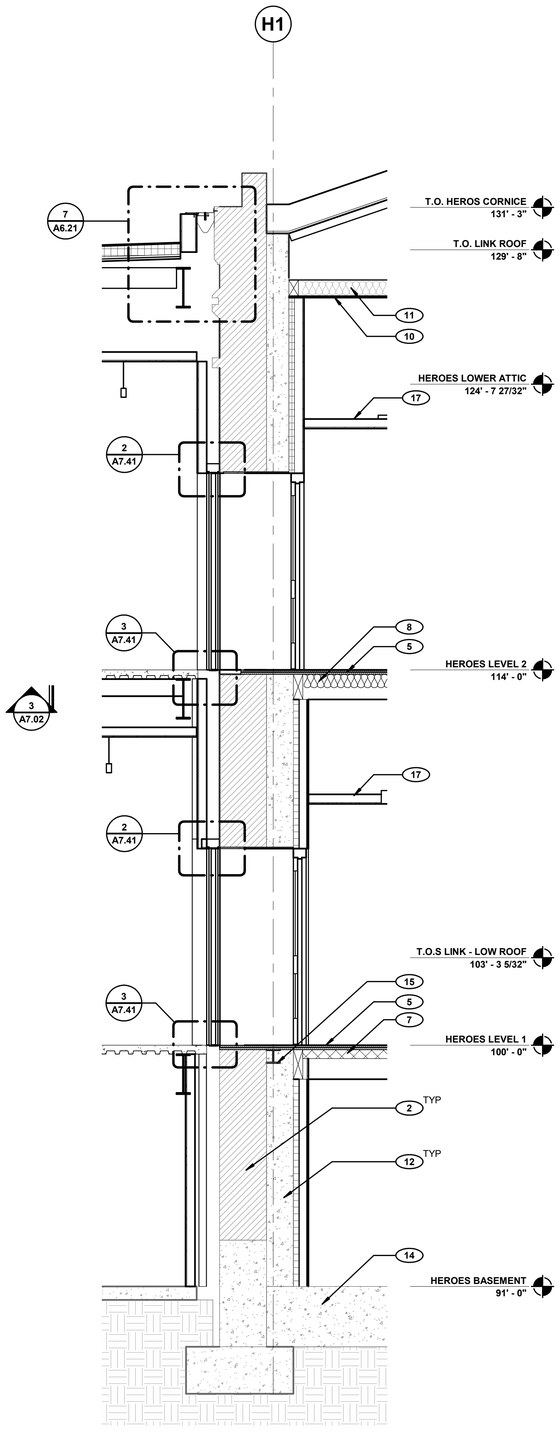
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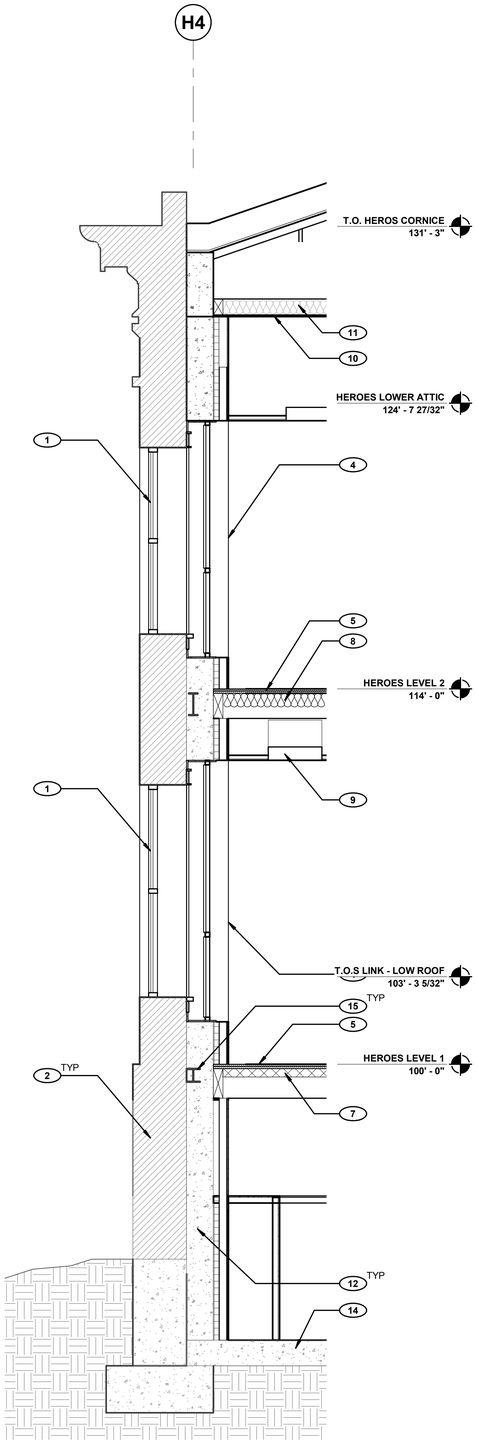
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Date: SEPTEMBER 23, 2022
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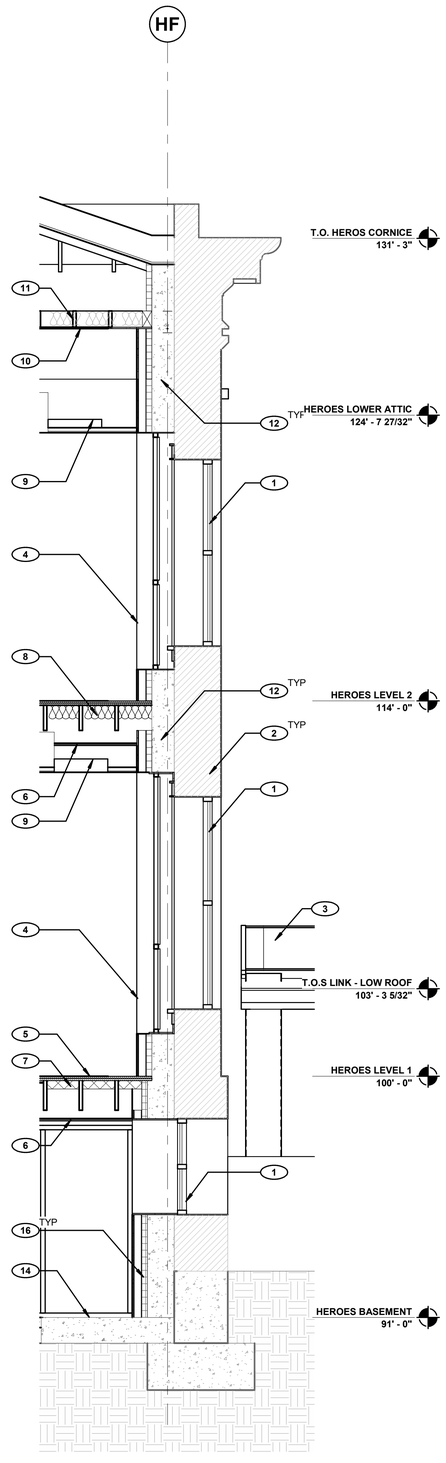
A7.03



5 WALL SECTION @ HEROES & LINK
SCALE: 3/8" = 1'-0"



4 WALL SECTION - HEROES (EAST)
SCALE: 3/8" = 1'-0"



1 WALL SECTION - HEROES (NORTH)
SCALE: 3/8" = 1'-0"

GENERAL NOTES

1. ALL (NEW) TOP OF PARAPET (T.O.P.) AND TOP OF WALL (T.O.W.) ELEVATION INDICATED ARE MEASURED FROM FINISH FLOOR ELEVATION
2. REFER TO FINISH PLANS FOR FINISH SCHEDULE OF FLOOR, WALL, AND CEILING
3. PROVIDE APPROPRIATE FIRE STOPPING AT ALL FIRE-RATED PARTITIONS
4. ALL PENETRATIONS THROUGH WALLS WITH SOUND INSULATIONS SHALL BE SEALED TIGHT WITH ACOUSTICAL INSULATION AND SEALANT
5. REFER TO EXTERIOR ELEVATION SHEETS FOR EXTERIOR COLOR, TEXTURE, AND PAINT FINISHES

KEYNOTES

1. HISTORIC WINDOW TO BE PROTECTED IN PLACE
2. EXTERIOR MASONRY TO BE PROTECTED IN PLACE
3. NEW EXTERIOR CANOPY - SEE DETAILS ON SHEET XXX
4. NEW FIXED WINDOWS WITH RECESSED ALUMINIUM FRAME
5. NEW PLYWOOD FLOOR SHEATHING
6. EXISTING STEEL BEAM BEYOND
7. NEW ACOUSTICAL CEILING INSULATION PANELS
8. NEW ACOUSTIC BATT INSULATION
9. LIGHT FIXTURE BEYOND
10. EXISTING GYPSUM BOARD CEILING TO REMAIN PROTECTED IN PLACE
11. EXISTING ACOUSTIC BATT ISULATION TO REMAIN
12. NEW STRUCTURAL SHOTCRETE WALL - REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION
14. BASEMENT CONCRETE SLAB - REFER TO STRUCTURAL DRAWINGS
15. EXISTING STEEL BEAM TO BE INCASED IN STRUCTURAL SHOTCRETE - REFER TO STRUCTURAL DRAWINGS
16. NEW CONTINUOUS RIGID INSULATION
17. NEW GYPSUM BOARD CEILING
18. NEW STRADITIONAL SLAB ON GRADE OVER INSULATION AND VAPOR BARRIER
19. ROOF DRAIN DISCHARGE 5FT FROM EXTERIOR BUILDING - REFER TO PLUMBING AND CIVIL DRAWINGS FOR EXACT LOCATION

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

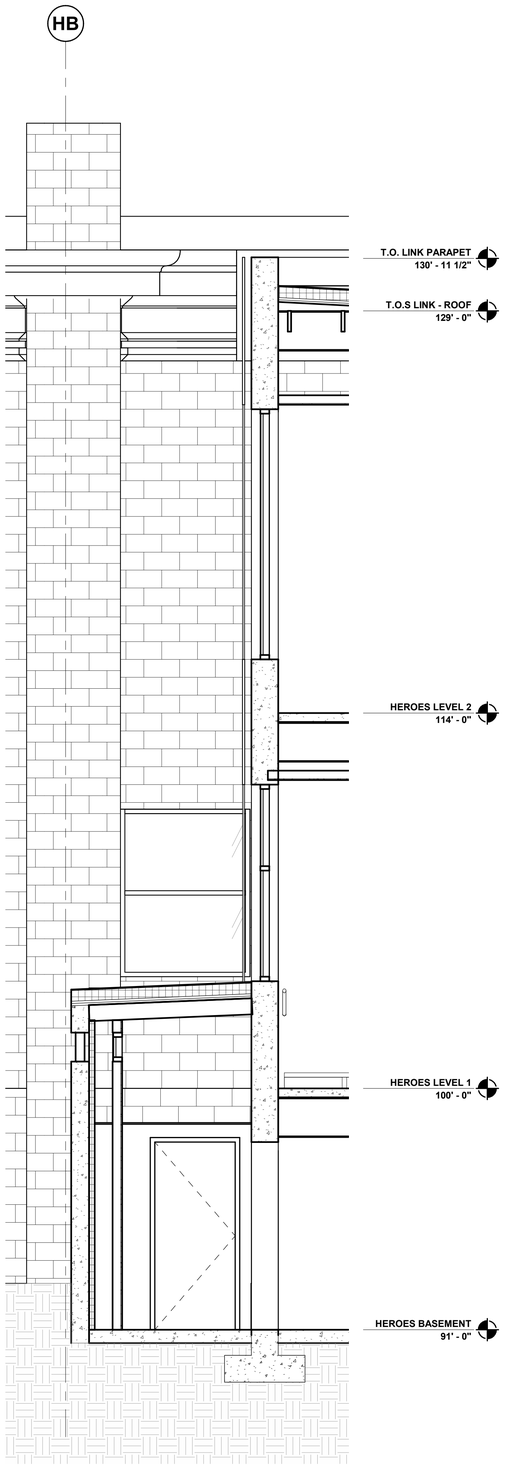
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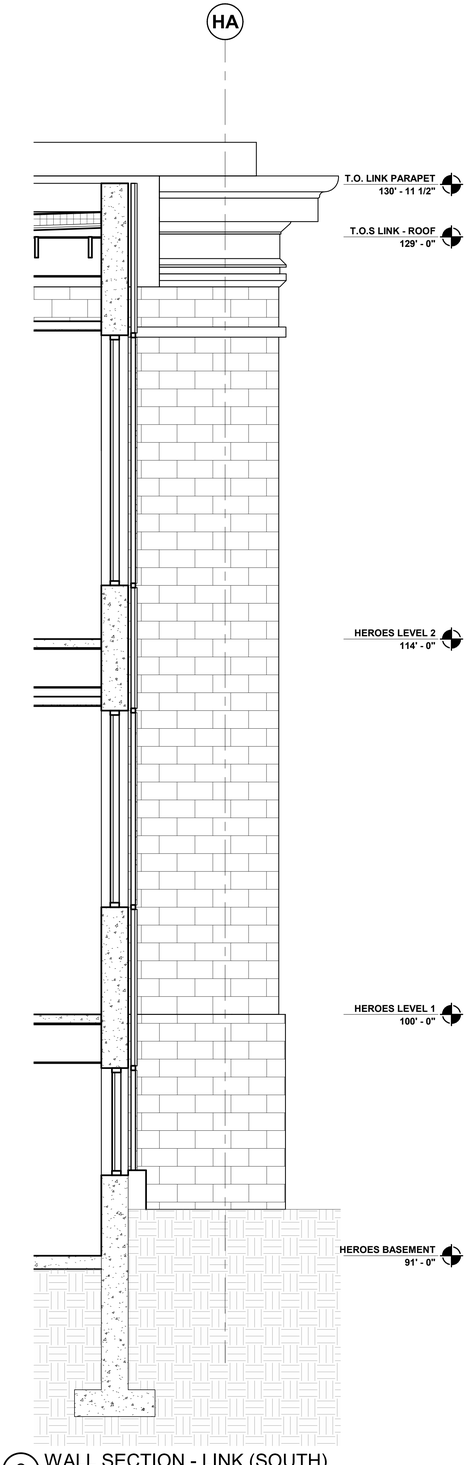
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WALL SECTIONS

Date: SEPTEMBER 23, 2022
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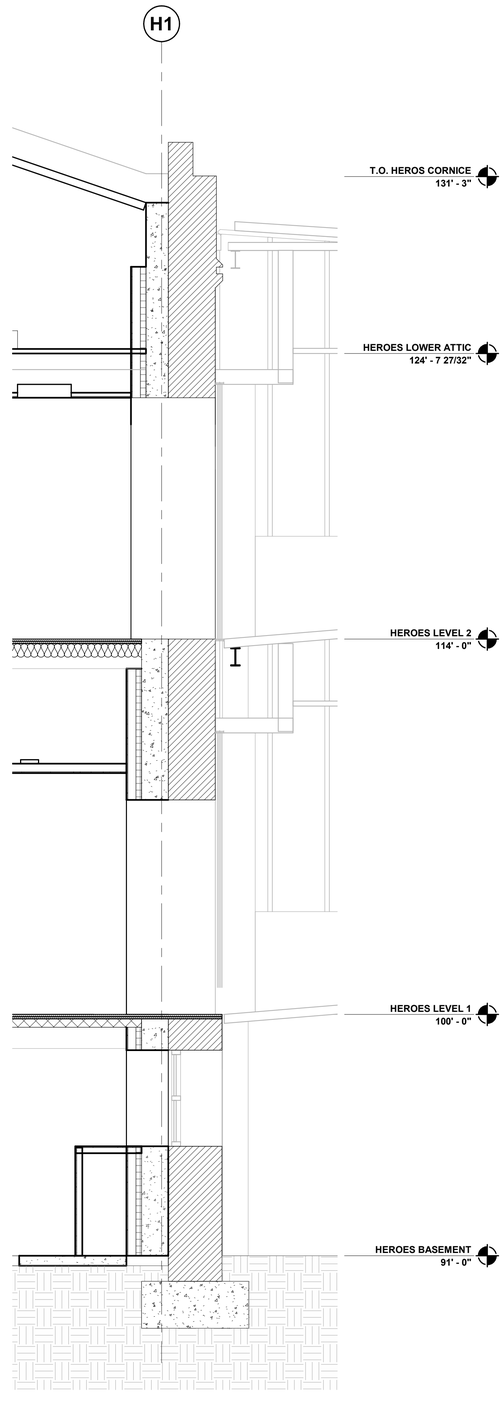
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3 WALL SECTION - LINK (NORTH)
SCALE: 3/8" = 1'-0"



2 WALL SECTION - LINK (SOUTH)
SCALE: 3/8" = 1'-0"



1 WALL SECTION @ HEROES & CUBE
SCALE: 3/8" = 1'-0"

GENERAL NOTES

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KEYNOTES

1. HISTORIC WINDOW TO BE PROTECTED IN PLACE
2. EXTERIOR MASONRY TO BE PROTECTED IN PLACE
3. NEW EXTERIOR CANOPY - SEE DETAILS ON SHEET XXX
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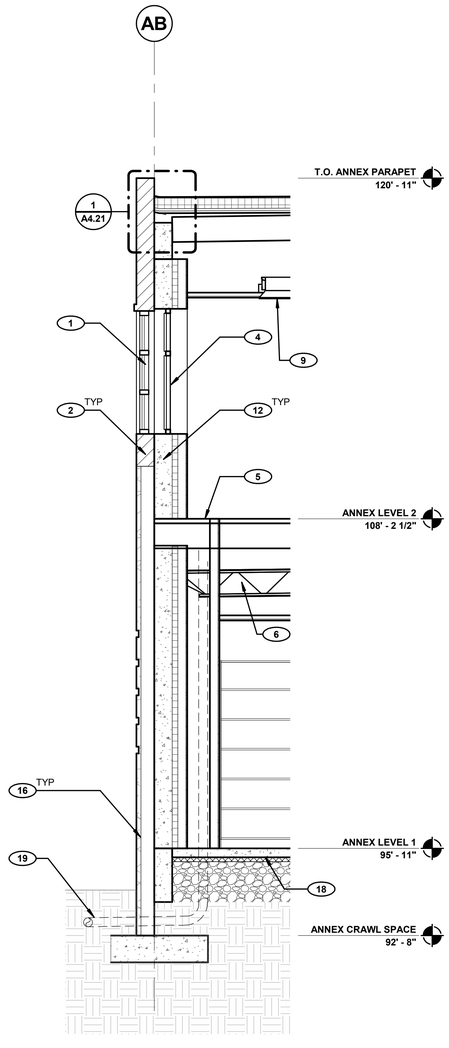
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WALL SECTIONS

Date: SEPTEMBER 23, 2022

Sheet No:

A7.12



1 SECTION 08
SCALE: 3/8" = 1'-0"

GENERAL NOTES

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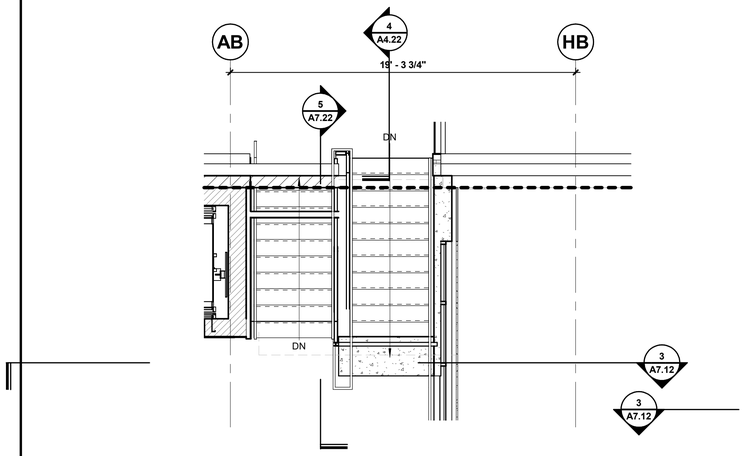
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

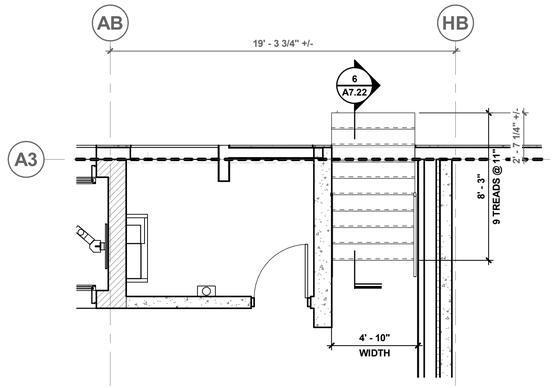
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REV	DATE	DESCRIPTION

Sheet Title
WALL SECTIONS

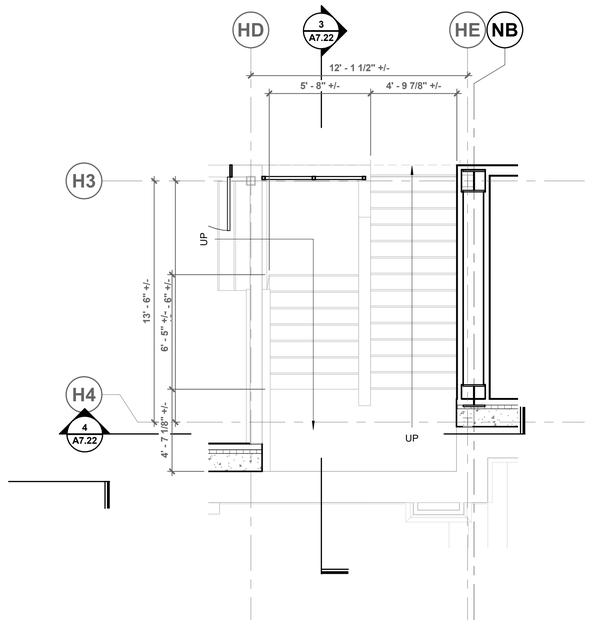
Date: SEPTEMBER 23, 2022
Sheet No:
A7.13



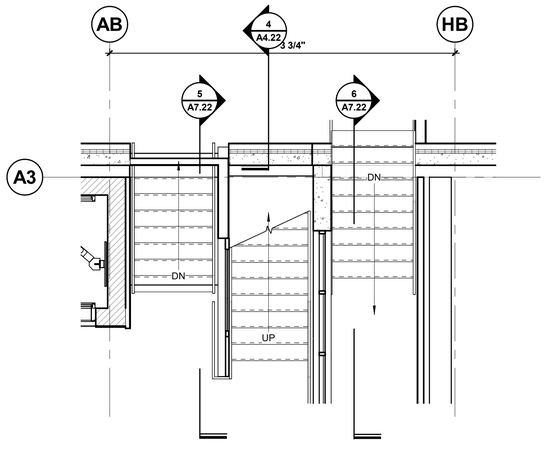
7 STAIR 03 - LEVEL 2
SCALE: 1/4" = 1'-0"



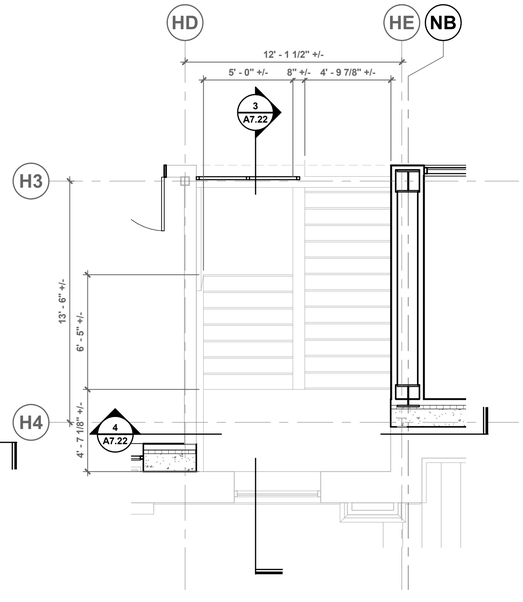
5 STAIR 03 - BASEMENT
SCALE: 1/4" = 1'-0"



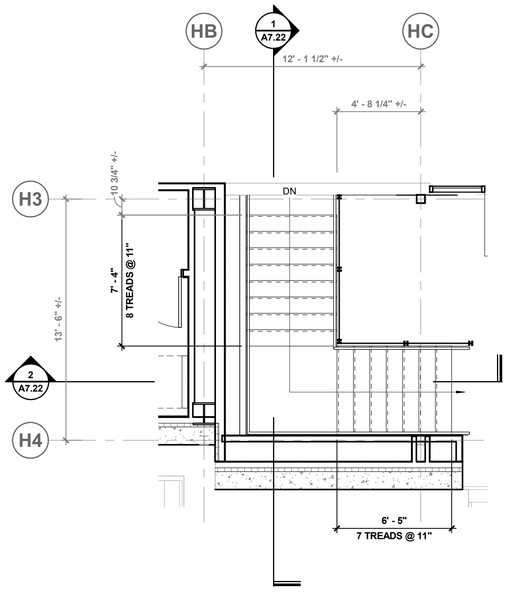
3 STAIR 02 - LEVEL 1
SCALE: 1/4" = 1'-0"



6 STAIR 03 - LEVEL 1
SCALE: 1/4" = 1'-0"



4 STAIR 02 - LEVEL 2
SCALE: 1/4" = 1'-0"



1 STAIR 01 - BASEMENT
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. COORDINATE STAIRS AND LANDING SUPPORTS WITH ALL DISCIPLINES AND SHOP DRAWINGS. REFER TO STRUCTURAL DRAWINGS FOR STAIR REINFORCEMENT AND TYPICAL STAIR DETAILS.
2. FIELD VERIFY ALL GRADES AND DIMENSIONS BEFORE BEGINNING FABRICATION OF STAIRS AND RAILINGS, AND COMMENCING WORK.
3. ALL EXPOSED STEEL RAILINGS SHALL BE PAINTED UNLESS NOTED OTHERWISE - REFER TO FINISH SCHEDULE

KEYNOTES

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

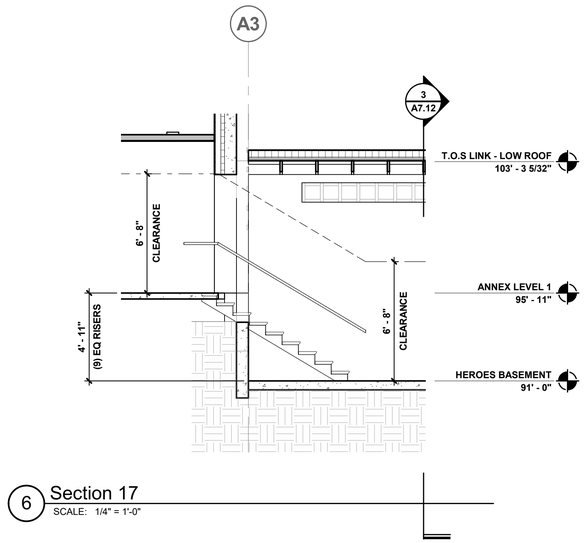
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

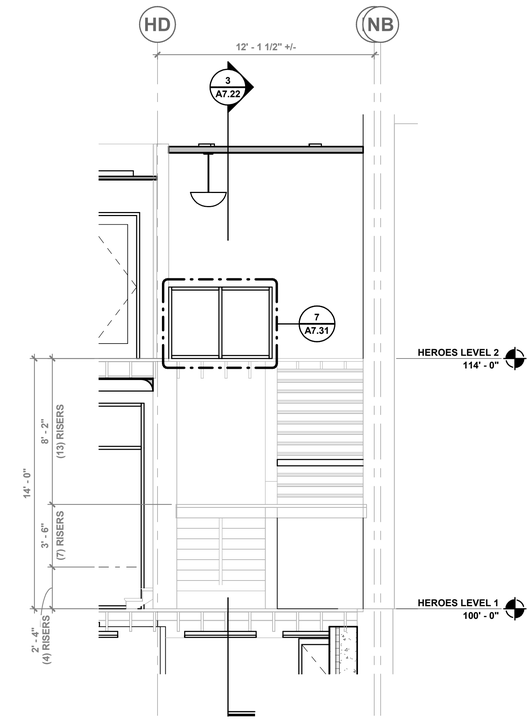
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REV	DATE	DESCRIPTION

Sheet Title
STAIR PLANS AND SECTIONS

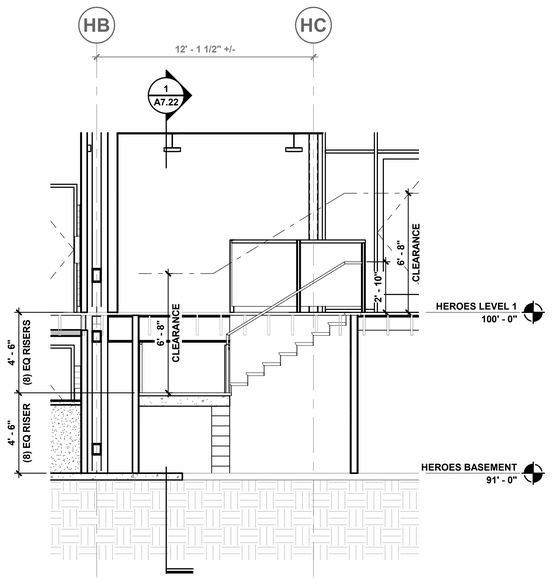
Date: SEPTEMBER 23, 2022
Sheet No:
A7.21



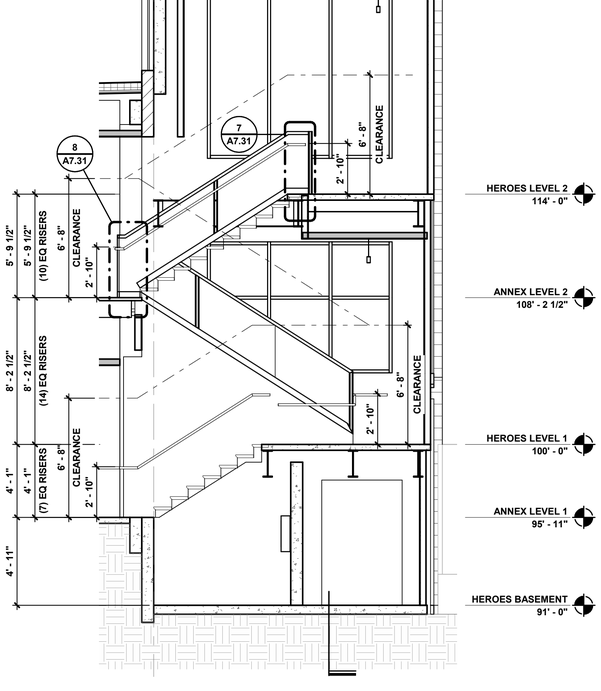
6 Section 17
SCALE: 1/4" = 1'-0"



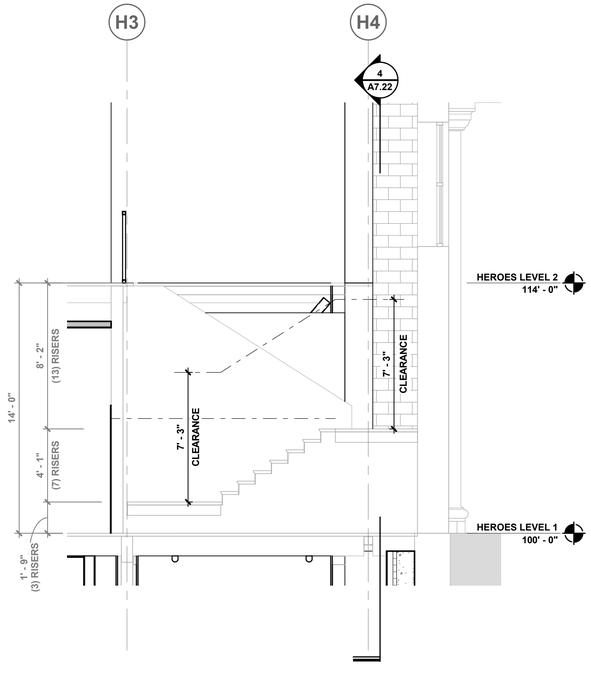
4 Section 15
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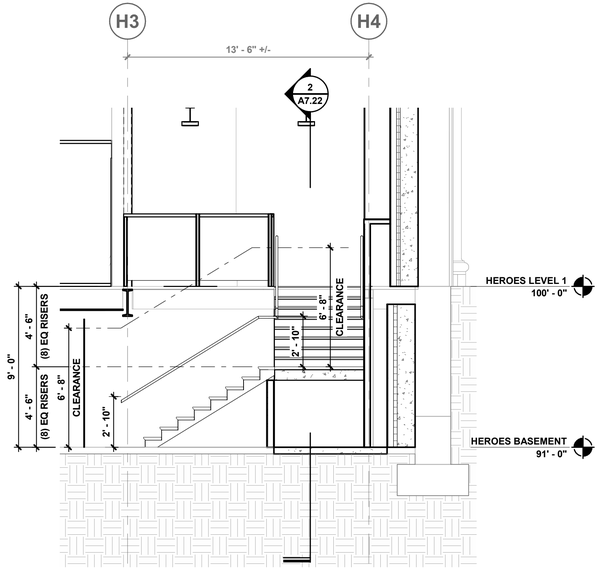
2 Section 13
SCALE: 1/4" = 1'-0"



5 Section 16
SCALE: 1/4" = 1'-0"



3 Section 14
SCALE: 1/4" = 1'-0"



1 Section 12
SCALE: 1/4" = 1'-0"

GENERAL NOTES

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KEYNOTES

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

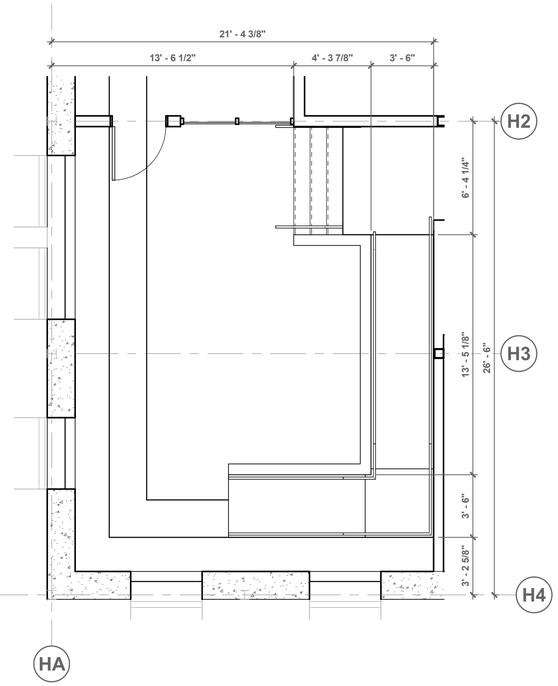
SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
STAIR PLANS AND SECTIONS

Date: SEPTEMBER 23, 2022
Sheet No:
A7.22



1 STAIR 05 - BASEMENT
SCALE: 1/4" = 1'-0"

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198 SOUTH CARSON ST.
CARSON CITY, NV 89701

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NEVADA STATE PUBLIC WORKS DIVISION

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SPWD Project No. 21-P02

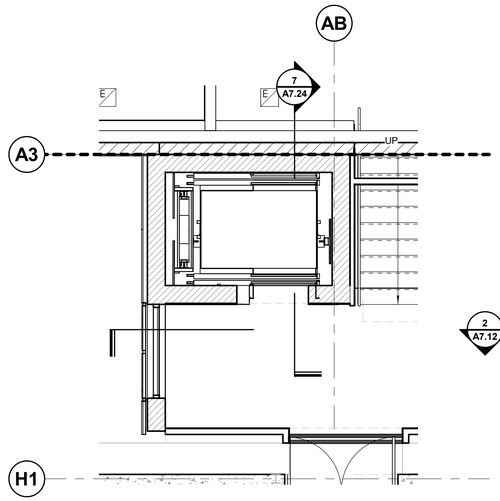
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REV	DATE	DESCRIPTION

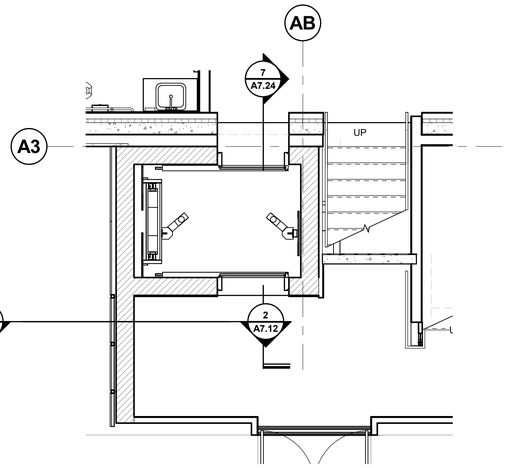
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STAIR PLANS AND SECTIONS

Date: SEPTEMBER 23, 2022
Sheet No:

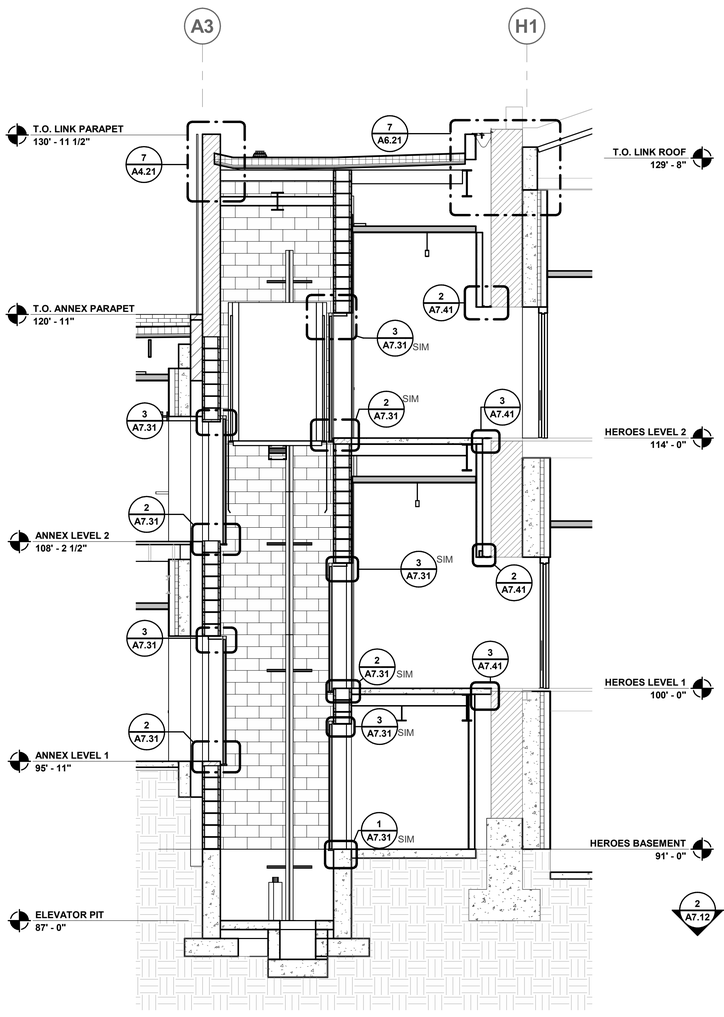
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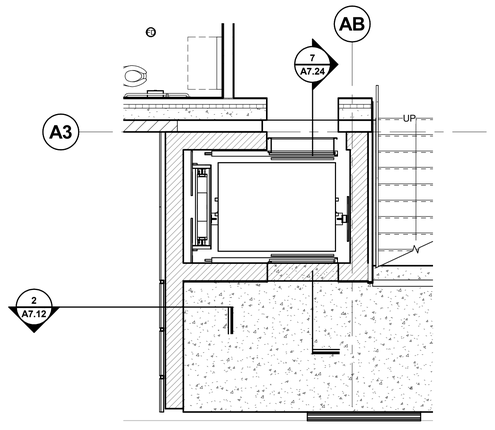
6 ENLARGED ELEVATOR - HEROES LEVEL 2
SCALE: 1/4" = 1'-0"



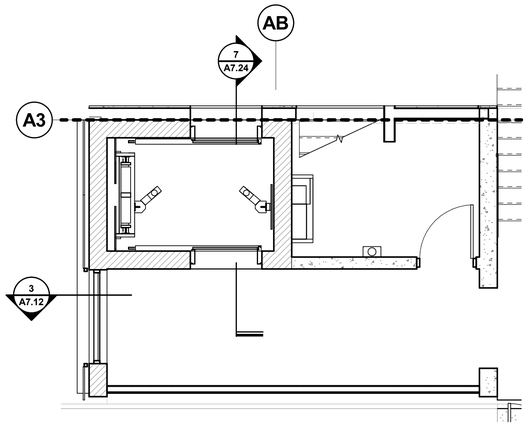
3 ENLARGED ELEVATOR PLAN - ANNEX LEVEL 1
SCALE: 1/4" = 1'-0"



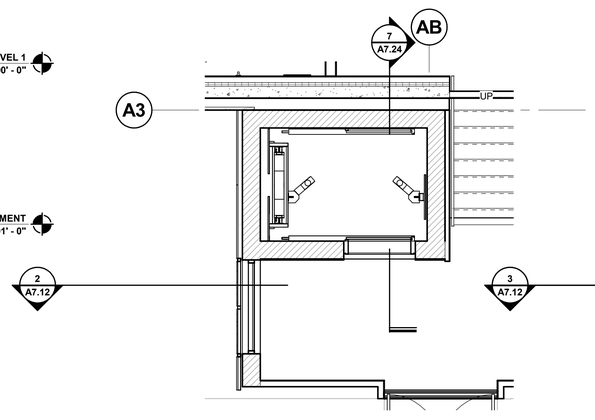
7 Section 11
SCALE: 1/4" = 1'-0"



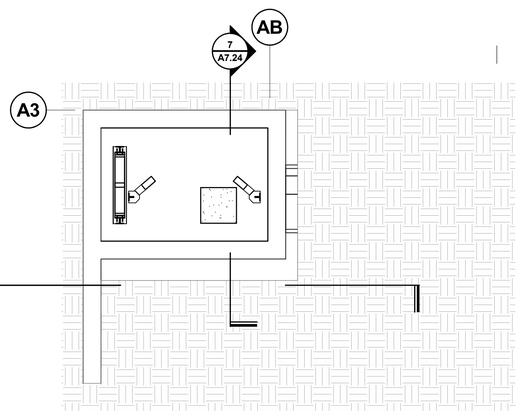
5 ENLARGED ELEVATOR PLAN - ANNEX LEVEL 2
SCALE: 1/4" = 1'-0"



2 ENLARGED ELEVATOR PLAN - HEROES BASEMENT
SCALE: 1/4" = 1'-0"



4 ENLARGED ELEVATOR PLAN - HEROES LEVEL 1
SCALE: 1/4" = 1'-0"



1 ENLARGED PIT PLAN - HEROES BASEMENT
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1 ELEVATOR GUIDE RAILS ARE A DEFERRED APPROVAL ITEM AND IS SHOWN SCHEMATICALLY FOR REFERENCE ONLY, PENDING A COMPLETE SUBMITTAL.

2 ELEVATIONS ARE FROM EXISTING CIVIL REFERENCE DATUM POINT. FIELD VERIFY EXISTING CONDITION BEFORE COMMENCING WORK

KEYNOTES

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

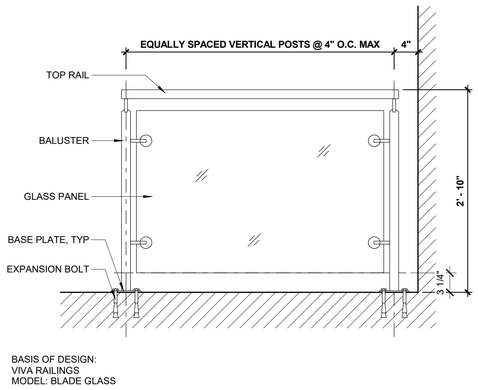
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REV	DATE	DESCRIPTION

Sheet Title
ELEVATOR PLANS AND SECTIONS

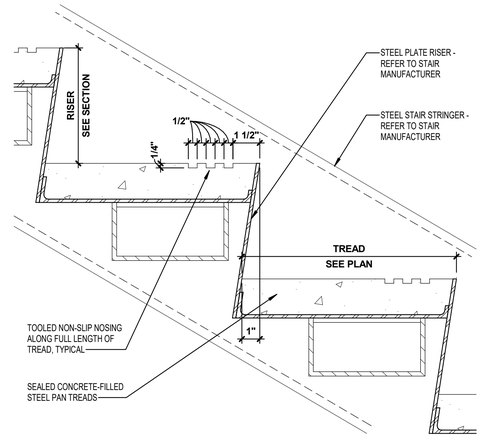
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Sheet No:

A7.24



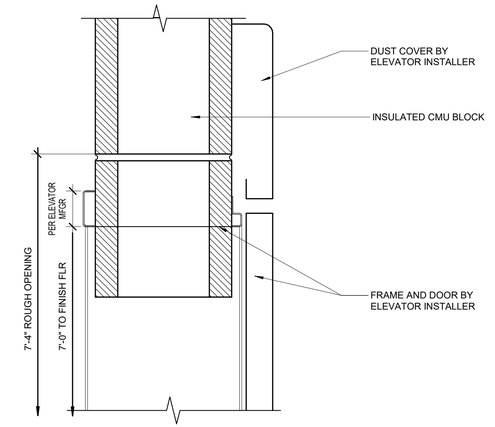
12 GUARDRAIL BARRIER @ STAIR

SCALE: 1" = 1'-0"



6 STAIR TREAD FINISH

SCALE: 3" = 1'-0"



3 ELEVATOR HEAD DETAIL

SCALE: 3" = 1'-0"

8 STAIR DETAIL @ LANDING

SCALE: 1" = 1'-0"

5 WALL MOUNTED HANDRAIL 2

SCALE: 3" = 1'-0"

2 ELEVATOR SILL DETAIL

SCALE: 3" = 1'-0"

7 GUARDRAIL DETAIL @ LANDINGS

SCALE: 1" = 1'-0"

4 WALL MOUNTED HANDRAIL

SCALE: 3" = 1'-0"

1 ELEVATOR SILL DETAIL - BASEMENT

SCALE: 3" = 1'-0"

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

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SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

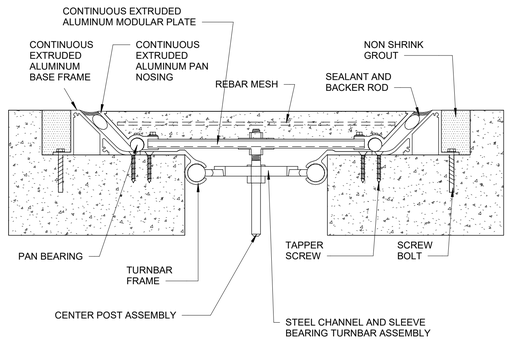
Sheet Title

STAIR & ELEVATOR DETAILS

Date: SEPTEMBER 23, 2022

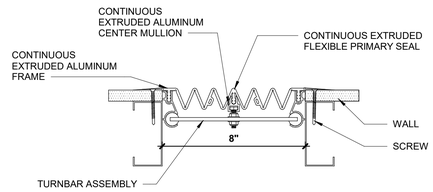
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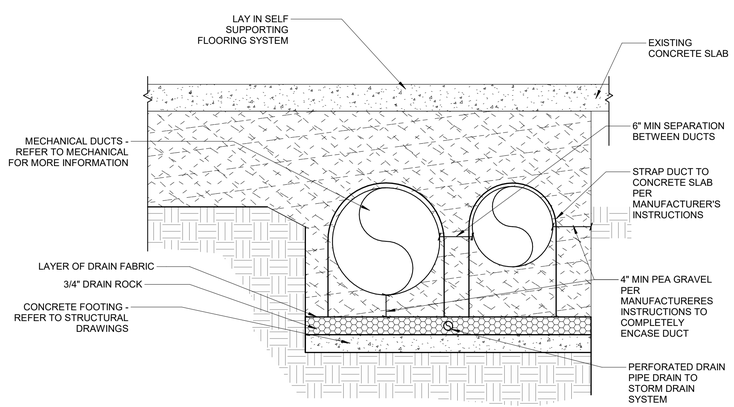
BASIS OF DESIGN:
CONSTRUCTION SPECIAL TIES MODEL: SSR-800

3 FLOOR EXPANSION JOINT
SCALE: 3" = 1'-0"



BASIS OF DESIGN:
CONSTRUCTION SPECIALTIES MODEL: FWS-800

2 CEILING & WALL EXPANSION JOINT
SCALE: 3" = 1'-0"



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

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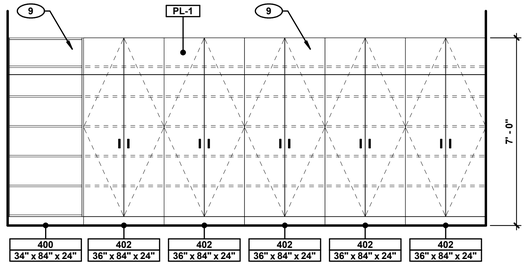
SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

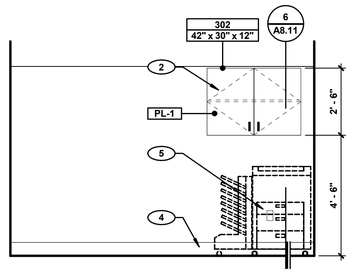
REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
SECTION DETAILS

Date: SEPTEMBER 23, 2022
Sheet No:
A7.41



5A VETERAN HALL A105 - CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"

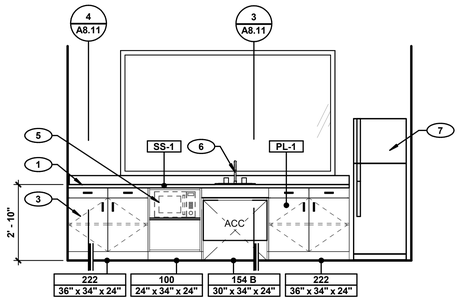


1A COPY SUPPLY H109 - CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"

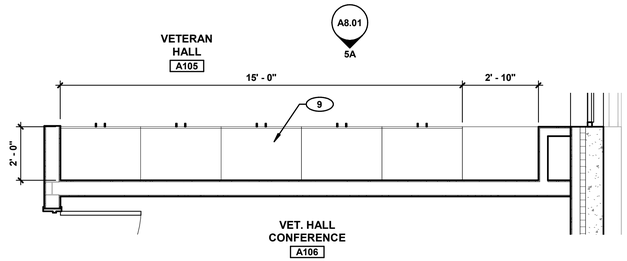
CASEWORK SCHEDULE - HEROES / ANNEX

NOTE: CABINETS USED ARE BASED ON WOODWORK STANDARDS CABINET DESIGN SERIES

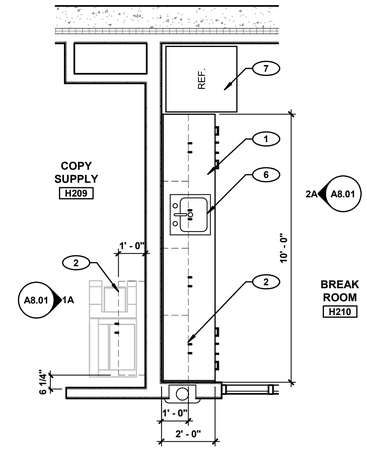
CABINET NO.	SIZE W	SIZE H	SIZE D	REMARKS
100	24"	34"	24"	OPEN CABINET WITH SHELF
100	30"	34"	24"	OPEN CABINET WITH SHELF
154 B	30"	34"	24"	
155	48"	34"	24"	OPEN BASE FOR ADA
211	18"	34"	24"	
211	24"	34"	24"	
222	30"	34"	24"	
222	36"	34"	24"	
222	42"	34"	24"	
230	14"	34"	24"	
302	30"	22"	12"	
302	30"	30"	12"	
302	36"	30"	12"	
302	42"	30"	12"	
302	48"	30"	12"	
400	34"	84"	24"	OPEN CABINET
402	36"	84"	24"	



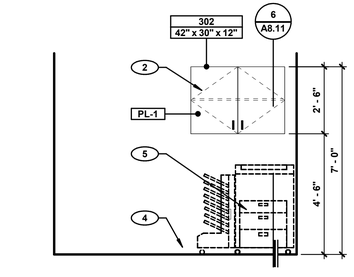
4A KITCHENETTE A215 - CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



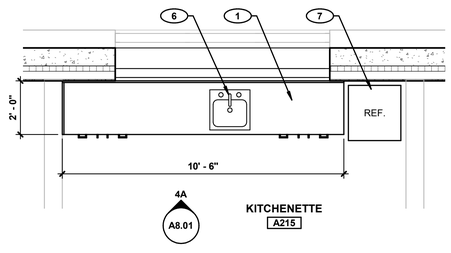
5 VETERAN HALL A105 - CASEWORK PLAN
SCALE: 3/8" = 1'-0"



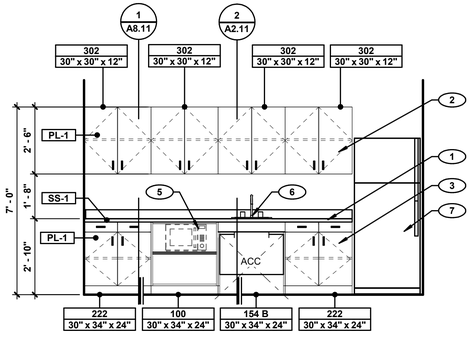
2 BREAK ROOM H210 - CASEWORK PLAN
SCALE: 3/8" = 1'-0"



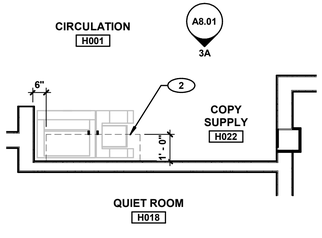
3A COPY SUPPLY H022 - CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



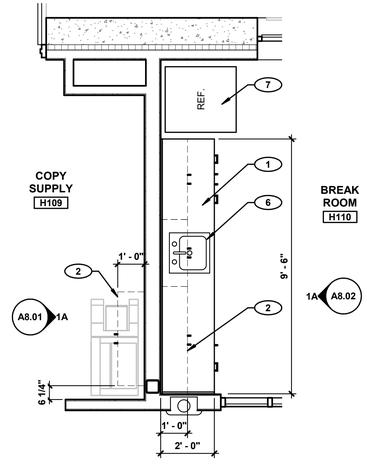
4 KITCHENETTE A215 - CASEWORK PLAN
SCALE: 3/8" = 1'-0"



2A BREAK ROOM H210 - CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



3 COPY SUPPLY H022 - CASEWORK PLAN
SCALE: 3/8" = 1'-0"



1 BREAK ROOM H110 - CASEWORK PLAN
SCALE: 3/8" = 1'-0"

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN FROM FACE OF FINISH
2. FIELD VERIFY DIMENSIONS PRIOR TO MANUFACTURING ANY CASEWORK. VERIFY MINIMUM CUTOUT DIMENSION FOR ALL APPLIANCE WITH OWNER
3. FOR CASEWORK FINISHES, REFER TO MATERIAL SCHEDULE
4. WHERE BACKSPLASH OCCURS, PROVIDE SPLASH AT SIDE WALLS ADJACENT TO COUNTER
5. 'ACC' INDICATES LOCATIONS WHERE CASEWORK MUST BE CONSTRUCTED TO COMPLY WITH THE REQUIREMENTS FOR ACCESSIBLITY, REFER TO G1.XX SERIES SHEETS
6. PROVIDE SOLID BACKING BEHIND ALL CASEWORK
7. ALL EQUIPMENT (O.F.O.I. AND C.F.C.I.) SHALL COMPLY WITH ACCESSIBILITY REQUIREMENTS

KEYNOTES

1. SOLID SURFACE COUNTERTOP WITH BACKSPLASH (SS-1), REFER TO BUILDING MATERIAL SCHEDULE
2. UPPER CABINETS, REFER TO CASEWORK SCHEDULE
3. BASE CABINETS, REFER TO CASEWORK SCHEDULE
4. SCHEDULED BASE, REFER TO ROOM FINISH SCHEDULE
5. FURNITURE, APPLIANCE, AND/OR EQUIPMENT (SHOWN DASHED), O.F.O.I., FOR REFERENCE ONLY
6. SINK, REFER TO PLUMBING DRAWINGS
7. REFRIGERATOR, OWNER FURNISHED, CONTRACTOR INSTALLED
8. DISHWASHER, OWNER FURNISHED, CONTRACTOR INSTALLED
9. TALL CABINETS, REFER TO CASEWORK SCHEDULE
10. VENT HOOD, OWNER FURNISHED, CONTRACTOR INSTALLED
11. RANGE/OVEN, OWNER FURNISHED, CONTRACTOR INSTALLED

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

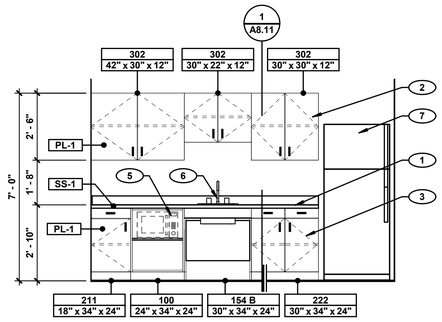
Sheet Title
CASEWORK PLAN AND ELEVATIONS

Date: SEPTEMBER 23, 2022
Sheet No:
A8.01

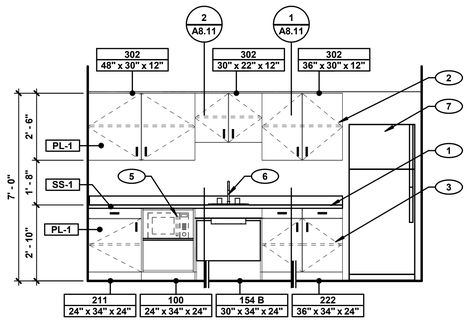
CASEWORK SCHEDULE - HEROES / ANNEX

NOTE: CABINETS USED ARE BASED ON WOODWORK STANDARDS CABINET DESIGN SERIES

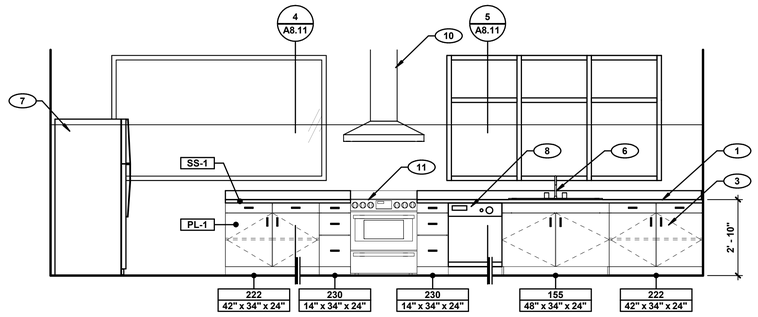
CABINET NO.	SIZE W	SIZE H	SIZE D	REMARKS
100	24"	34"	24"	OPEN CABINET WITH SHELF
100	30"	34"	24"	OPEN CABINET WITH SHELF
154 B	30"	34"	24"	
155	48"	34"	24"	OPEN BASE FOR ADA
211	18"	34"	24"	
211	24"	34"	24"	
222	30"	34"	24"	
222	36"	34"	24"	
222	42"	34"	24"	
230	14"	34"	24"	
302	30"	22"	12"	
302	30"	30"	12"	
302	36"	30"	12"	
302	42"	30"	12"	
302	48"	30"	12"	
400	34"	84"	24"	OPEN CABINET
402	36"	84"	24"	



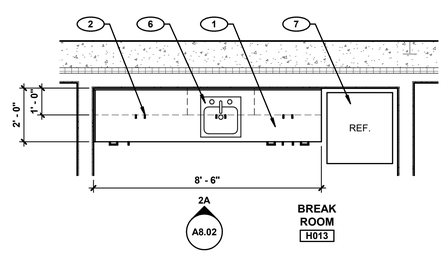
2A BREAK ROOM H013 - CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



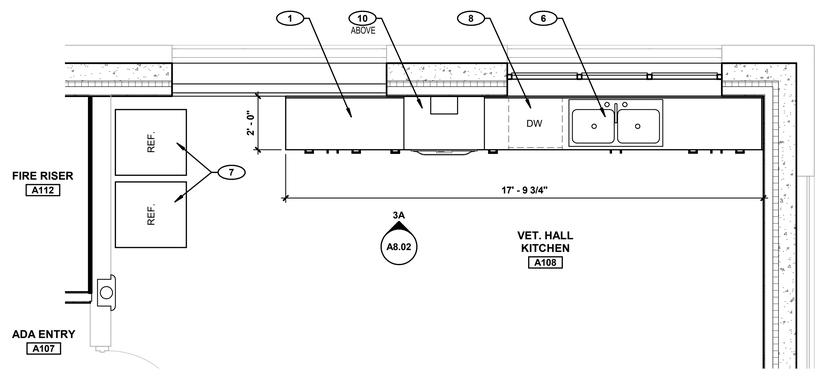
1A BREAK ROOM H110 - CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



3A VET. HALL KITCHEN A108 - CASEWORK ELEVATION
SCALE: 3/8" = 1'-0"



2 BREAK ROOM H013 - CASEWORK PLAN
SCALE: 3/8" = 1'-0"



1 VET. HALL KITCHEN A108 - CASEWORK PLAN
SCALE: 3/8" = 1'-0"

GENERAL NOTES

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10. VENT HOOD, OWNER FURNISHED, CONTRACTOR INSTALLED
11. RANGE/OVEN, OWNER FURNISHED, CONTRACTOR INSTALLED

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Project

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CARSON CITY, NV 89701

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Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

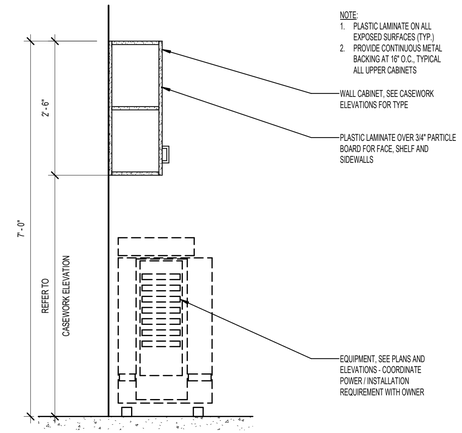
Sheet Title

CASEWORK PLAN AND ELEVATIONS

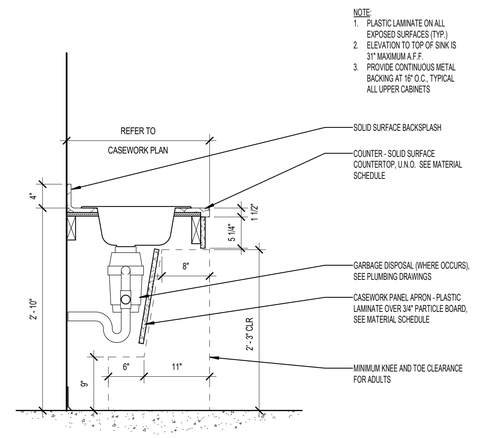
Date: SEPTEMBER 23, 2022

Sheet No:

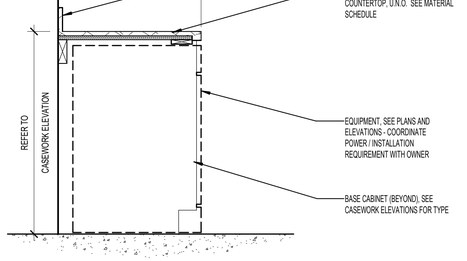
A8.02



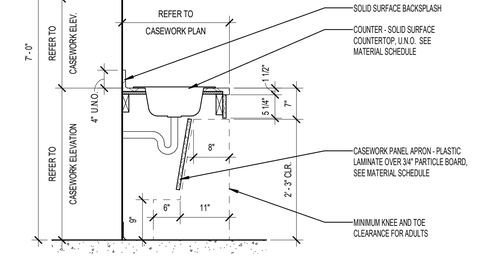
6 CASEWORK SECTION - UPPER CABINET
SCALE: 3/4" = 1'-0"



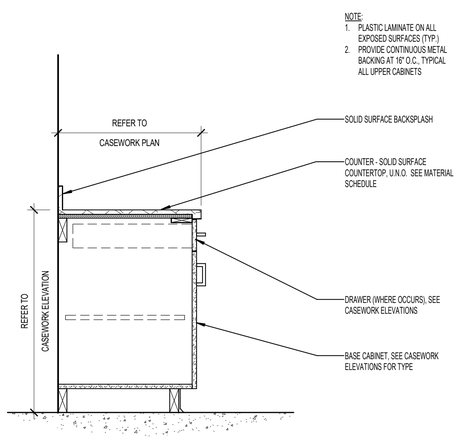
3 CASEWORK SECTION - COUNTER SINK
SCALE: 1" = 1'-0"



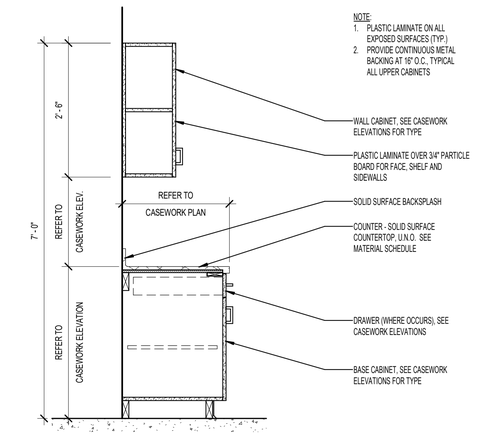
5 CASEWORK SECTION - DISHWASHER
SCALE: 1" = 1'-0"



2 CASEWORK SECTION - COUNTER SINK
SCALE: 3/4" = 1'-0"



4 CASEWORK SECTION - BASE CABINET
SCALE: 1" = 1'-0"



1 CASEWORK SECTION - TYPICAL
SCALE: 3/4" = 1'-0"

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SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
CASEWORK SECTIONS AND DETAILS

Date: SEPTEMBER 23, 2022
Sheet No:

A8.11

STRUCTURAL DRAWING ABBREVIATION LIST

A.B.	- ANCHOR BOLT
ABT.	- ABOUT
A.F.F.	- ABOVE FINISHED FLOOR
AGGR.	- AGGREGATE
APPROX.	- APPROXIMATE
ARCH	- ARCHITECTURAL
B.B.PL	- BOTTOM OF BASE PLATE
B.C.	- BOLT CIRCLE
BLKG	- BLOCKING
BM	- BEAM
B.N.	- BOUNDARY NAILING
B.S.	- BOTH SIDES
BOF	- BOTTOM OF FOOTING
BOT. (OR BTM.)	- BOTTOM
BTWN	- BETWEEN
BW	- BOTH WAYS
C-C	- CENTER TO CENTER
C.I.P.	- CAST-IN-PLACE
CJ	- CONTROL JOINT
C.L. (OR ℄)	- CENTERLINE
CLR.	- CLEAR
CMU	- CONCRETE MASONRY UNIT
CONC.	- CONCRETE
CONT.	- CONTINUOUS
DBA	- DEFORMED BAR ANCHOR
DIA. (OR Ø)	- DIAMETER
DO (OR 'do')	- REPEAT INDICATED STRUCT. MEMBER
DWG.	- DRAWING
DWL	- DOWEL
EA.	- EACH
E.F.	- EACH FACE
EL. (OR ELEV.)	- ELEVATION
EMBED.	- EMBEDMENT
E.N.	- EDGE NAILING
EQ	- EQUAL
E.W.	- EACH WAY
(E)	- EXISTING
FD	- FLOOR DRAIN
F.F.	- FAR FACE
F. FL.	- FINISHED FLOOR
F.N.	- FIELD NAILING
F.O.	- FACE OF
F.S.	- FAR SIDE
FTG	- FOOTING
GA	- GAGE
GALV.	- GALVANIZED
HDR	- HEADER
H.P.	- HIGH POINT
HSA	- HEADED STUD ANCHOR
H.S.B.	- HIGH STRENGTH BOLT
I.D.	- INSIDE DIAMETER
INV. (OR I.E.)	- INVERT (INVERT ELEVATION)
I.F.	- INSIDE FACE
K	- KIP
L.P.	- LOW POINT
L.L.V.	- LONG LEG VERTICAL
MAX	- MAXIMUM
MB	- MACHINE BOLT
MECH.	- MECHANICAL
MIN.	- MINIMUM
(N)	- NEW
N.F.	- NEAR FACE
N.I.C.	- NOT IN CONTRACT
N.S.	- NEAR SIDE
N.T.S.	- NOT TO SCALE
O.F.	- OUTSIDE FACE
O.C.	- ON CENTER
OPP.	- OPPOSITE
PL. (OR ℄)	- PLATE
P.T.	- PRESSURE TREATED
RD	- ROOF DRAIN
REINF	- REINFORCING
REQ'S	- REQUIREMENTS
SAD	- SEE ARCHITECTURAL DRAWINGS
S.A.P.	- SHOP ASSEMBLED PIECE
SCJ	- SLAB CONTROL JOINT
SIM	- SIMILAR
SQ.	- SQUARE
STD	- STANDARD
STRUCT.	- STRUCTURAL
SW	- SHEAR WALL
SYM.	- SYMMETRICAL
T & B	- TOP AND BOTTOM PIECE
TJ	- TIED JOINT
T.O.C.	- TOP OF CONCRETE
T.O.L.	- TOP OF LEDGER
T.O.M.	- TOP OF MASONRY
T.O.S.	- TOP OF STEEL
T.O.W.	- TOP OF WALL
TC	- TOP OF CURB
TS	- TOP OF SLAB
TRANS.	- TRANSVERSE
TYP.	- TYPICAL
U.N.O.	- UNLESS NOTED OTHERWISE
VERT.	- VERTICAL
W.P.	- WORK POINT
W/	- WITH
W/O	- WITHOUT
WS	- WATERSTOP
WWF	- WELDED WIRE FABRIC
#	- SIZE OF DEFORMED REINFORCING BAR
@	- CENTER TO CENTER SPACING

SYMBOLS

VIEW IN SECTION

MATERIAL	NEW
CONCRETE	
STRUCTURAL STEEL	
BRICK OR BLOCK	
GROUT	
PLYWOOD SHEATHING	
WOOD STRUCTURAL	
GRAVEL BASE/MATERIAL	
SOIL	
STRUCTURAL FILL	
RIP-RAP	
EPOXY ANCHOR	
EXPANSION ANCHOR	

VIEW IN PLAN

WOOD GRAIN FINISH

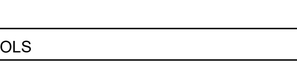
TREAD PLATE

GRATING

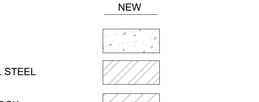
BUILDING MATERIALS LEGEND

NOT TO SCALE

NOTE: EXISTING MATERIALS WILL BE SHOWN SCREENED.



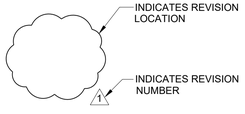
SECTION



DETAIL

DRAWING CROSS-REFERENCE

NOT TO SCALE



REVISION NOTATIONS

NOT TO SCALE

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Project

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REVISIONS		
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Sheet Title

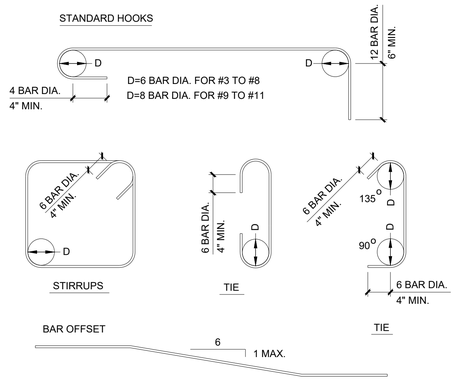
GENERAL STRUCTURAL NOTES

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

S0.1



1 S0.2 REINFORCING STEEL DATA

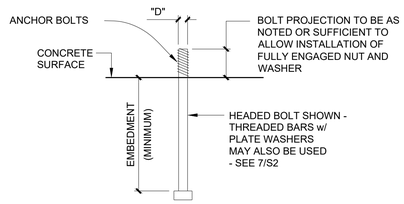
SCALE: N.T.S.

BAR SIZE	REINFORCING BAR LAP SPLICE LENGTHS (INCHES)				
	COMPRESSIVE STRENGTH, f'c				
	3000 PSI	3500 PSI	4000 PSI	4500PSI	5000 PSI
#3	22	20	19	18	17
#4	29	27	25	24	22
#5	36	33	31	29	28
#6	43	40	37	35	33
#7	63	58	54	51	49
#8	71	66	62	59	56
#9	81	75	70	66	63
#10	91	84	79	74	71
#11	100	93	87	82	78

1. CLEAR SPACING BETWEEN BARS SHALL BE AT LEAST 2 BAR DIAMETERS.
2. CLEAR COVER OVER BARS SHALL BE AT LEAST 1 BAR DIAMETER.
3. THE SPLICE LENGTH OF BARS WITH MORE THAN 12 INCHES OF FRESH CONCRETE BELOW THE BAR SHALL BE INCREASED BY 30%.
4. THESE SPLICE LENGTHS DO NOT APPLY FOR EPOXY-COATED REINFORCEMENT, BARS IN LIGHTWEIGHT CONCRETE OR BUNDLED BARS.
5. BARS LARGER THAN #11 SHALL NOT BE LAP-SPLICED.

2 S0.2 LAP SPLICE REQUIREMENTS

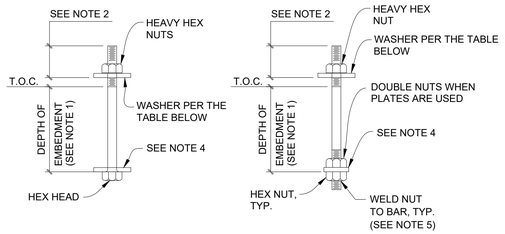
SCALE: N.T.S.



BOLT DIA. "D"	MIN. EMBEDMENT LENGTH U.N.O.
1/2"	7"
5/8"	8"
3/4"	9"
7/8"	10"
1"	12"

3 S0.2 CAST-IN-PLACE ANCHOR RODS IN CONCRETE

SCALE: 3"=1'-0"



HEADED ANCHOR BOLT N.T.S.

THREADED ROD WITH NUTS N.T.S.

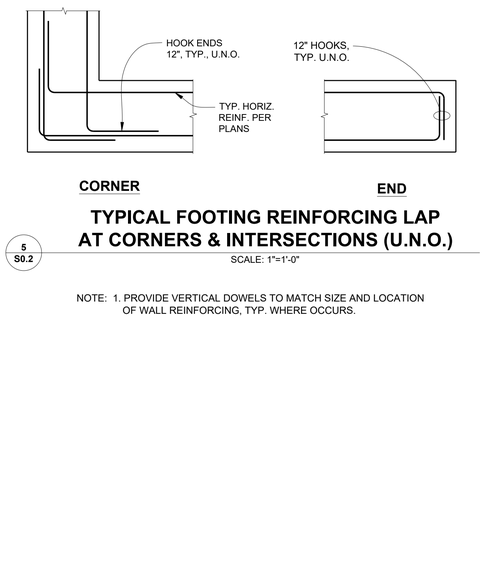
NOTE:

1. DEPTH OF EMBEDMENT SHALL BE BELOW THE TOP OF CONCRETE OR THE TOP OF ANY CONSTRUCTION JOINTS.
2. BOLT PROJECTION SHALL BE SUFFICIENT TO ALLOW INSTALLATION OF FULLY ENGAGED NUTS AND WASHERS. SEE SPECIFIC DETAILS FOR OTHER REQUIREMENTS.
3. UNLESS SPECIFICALLY NOTED OTHERWISE, EITHER OF THE ANCHOR BOLTS SHOWN CAN BE USED.
4. WHERE NOTED IN THE STRUCTURAL DETAILS, STEEL PLATES SHALL BE ADDED. PLATE SIZE SHALL BE AS SHOWN IN THE SPECIFIC DETAIL.
5. IN LIEU OF TACK WELDING, THE NUT(S) CAN BE SECURED TO THE ROD BY PUNCHING THE THREADS AT 2 LOCATION ABOVE AND BELOW THE NUT(S), 4 LOCATIONS TOTAL.
6. SEE THE TABLE BELOW AND STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

MAX. ANCHOR ROD HOLE SIZES IN BASE PLATES			
ANCHOR ROD DIAMETER, IN.	HOLE DIAMETER, IN.	MINIMUM WASHER SIZE, IN.	MINIMUM WASHER THICKNESS
3/4	1 5/16	2	1/4
7/8	1 9/16	2 1/2	5/16
1	1 13/16	3	3/8
1 1/4	2 1/16	3	1/2
1 1/2	2 5/16	3 1/2	1/2
1 3/4	2 3/4	4	5/8
2	3 1/4	5	3/4
2 1/2	3 3/4	5 1/2	7/8

NOTE:

1. CIRCULAR OR SQUARE WASHERS MEETING THE SIZE SHOWN ARE ACCEPTABLE.
2. ADEQUATE CLEARANCE MUST BE PROVIDED FOR THE WASHER SIZE SELECTED.
3. THESE REQUIREMENTS DO NOT APPLY TO NON-STRUCTURAL BASE PLATES.



5 S0.2 TYPICAL FOOTING REINFORCING LAP AT CORNERS & INTERSECTIONS (U.N.O.)

SCALE: 1"=1'-0"

NOTE: 1. PROVIDE VERTICAL DOWELS TO MATCH SIZE AND LOCATION OF WALL REINFORCING, TYP. WHERE OCCURS.

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REV	DATE	DESCRIPTION

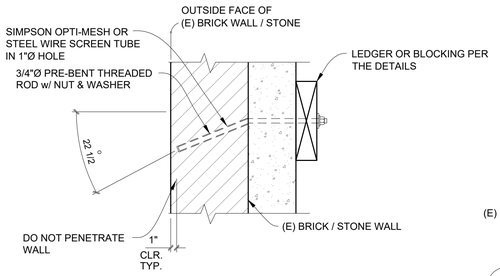
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TYPICAL CONCRETE DETAILS

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

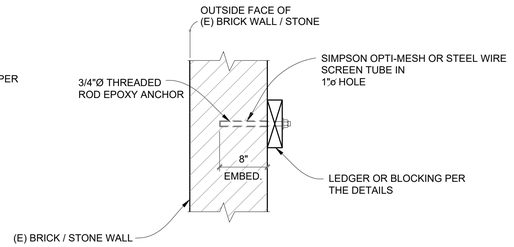
S0.2



TYPICAL 22 1/2 ° EPOXY TENSION ANCHOR DETAIL

1 S0.3 — SCALE: N.T.S.

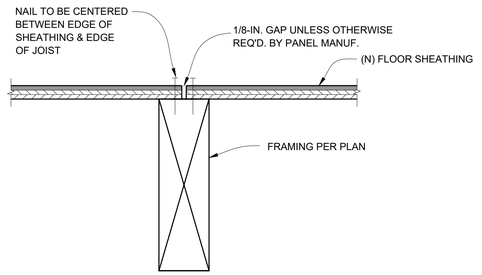
NOTES:
1. SPECIAL INSPECTION REQUIRED. SEE ESR-3638 (URM) AND THE STRUCTURAL INSPECTION SYSTEM REQUIREMENTS.
2. EPOXY SHALL BE ET-HP ADHESIVE AS MANUFACTURED BY SIMPSON STRONG-TIE.
3. SEE THE STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
4. IF BRICK WALL IS NOT SOLID, CONTACT THE ENGINEER FOR DIRECTIONS.
5. HOLES THRU BLOCKING AND LEDGERS SHALL BE AT 22 1/2 DEGREES TYP., U.N.O.
6. USE SIMILAR DETAIL AT REINFORCING BAR DOWELS.
7. SEE THE DETAILS FOR THE LOCATION OF SHOTCRETE.



TYPICAL EPOXY SHEAR ANCHOR DETAIL

2 S0.3 — SCALE: N.T.S.

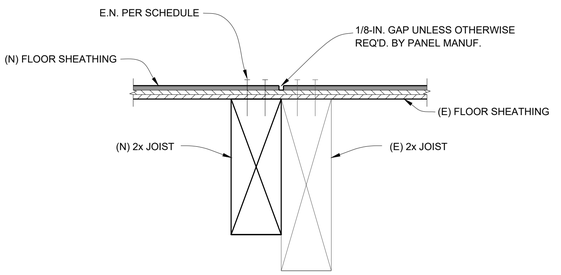
NOTES:
1. SPECIAL INSPECTION REQUIRED. SEE ESR-3638 (URM) AND THE STRUCTURAL INSPECTION SYSTEM REQUIREMENTS.
2. EPOXY SHALL BE ET-HP ADHESIVE AS MANUFACTURED BY SIMPSON STRONG-TIE.
3. SEE THE STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
4. IF BRICK WALL IS NOT SOLID, CONTACT ENGINEER FOR DIRECTION.
5. USE SIMILAR DETAIL AT REINFORCING BAR DOWELS.
6. SEE THE DETAILS FOR THE LOCATION OF SHOTCRETE.



TYPICAL STRUCTURAL PANEL JOINT PARALLEL TO JOIST

3 S0.3 — SCALE: N.T.S.

NOTE:
1. PLYWOOD SHEETS ARE TO BE AS LARGE AS POSSIBLE, MIN 24"x24". NAIL HEADS SHALL BE DRIVEN FLUSH W/ TOP LAMINATION OF PLYWOOD. DO NOT OVERDRIVE.
2. ADDITIONAL NAILS SHALL BE INSTALLED TO REPLACE OVER-DRIVEN OR MIS-INSTALLED NAILS.
3. USE SIMILAR DETAIL AT OTHER FRAMING MEMBER CONFIGURATIONS.



TYPICAL STRUCTURAL PANEL JOINT FOR MULTIPLE ROWS OF FASTENER PARALLEL TO (E) JOIST

4 S0.3 — SCALE: N.T.S.

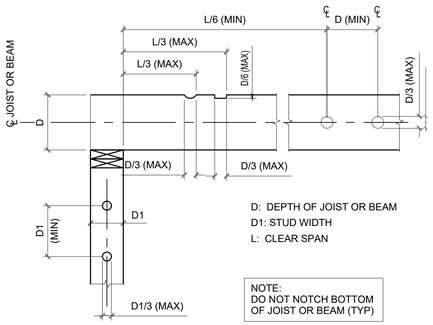
NOTE:
1. PLYWOOD SHEETS ARE TO BE AS LARGE AS POSSIBLE, MIN 24"x24". NAIL HEADS SHALL BE DRIVEN FLUSH W/ TOP LAMINATION OF PLYWOOD. DO NOT OVERDRIVE.
2. ADDITIONAL NAILS SHALL BE INSTALLED TO REPLACE OVER-DRIVEN OR MIS-INSTALLED NAILS.
3. USE SIMILAR DETAIL AT OTHER FRAMING MEMBER CONFIGURATIONS.



TYPICAL STRUCTURAL PANEL JOINT FOR MULTIPLE ROWS OF FASTENER PERPENDICULAR TO (E) JOIST

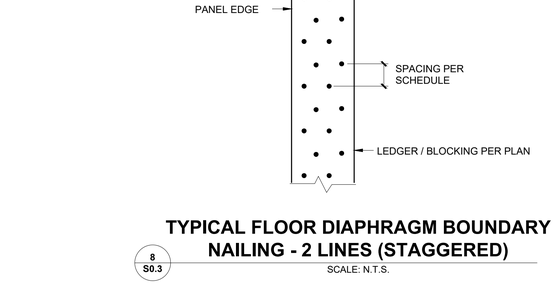
5 S0.3 — SCALE: N.T.S.

NOTE:
1. UTILIZE (N) BLKG. FOR CROSS TIES AS PANEL JOINT BLKG.
2. PLYWOOD SHEETS ARE TO BE AS LARGE AS POSSIBLE, MIN 24"x24". NAIL HEADS SHALL BE DRIVEN FLUSH W/ TOP LAMINATION OF PLYWOOD. DO NOT OVERDRIVE.
3. ADDITIONAL NAILS SHALL BE INSTALLED TO REPLACE OVER-DRIVEN OR MIS-INSTALLED NAILS.
4. USE SIMILAR DETAIL AT OTHER FRAMING MEMBER CONFIGURATIONS.



HOLES AND NOTCHES IN WOOD

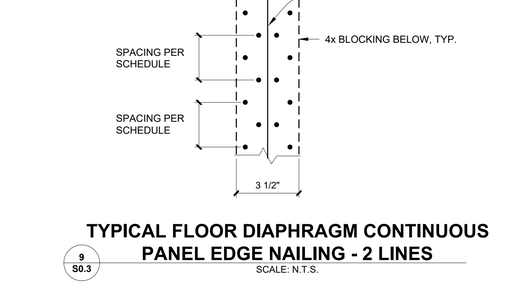
4 S0.3 — SCALE: 1"=1'-0"



HORIZONTAL DIAPHRAGM PANEL AND NAILING REQUIREMENTS AT ROOF LEVEL

5 S0.3 — SCALE: N.T.S.

NOTES:
1. CUT PLYWOOD AS REQUIRED TO MATCH (E) RAFTER SPACING. SPACING SHALL NOT EXCEED 24" O.C.
2. AT HIP ROOF AREA ORIENTATE PLYWOOD AS REQ'D. SUCH THAT PLYWOOD WILL BE PERPENDICULAR TO RAFTERS



HORIZONTAL DIAPHRAGM PANEL AND NAILING REQUIREMENTS AT FLOOR LEVEL

6 S0.3 — SCALE: N.T.S.

TYPICAL FLOOR DIAPHRAGM BOUNDARY NAILING - 2 LINES (STAGGERED)

8 S0.3 — SCALE: N.T.S.

TYPICAL FLOOR DIAPHRAGM CONTINUOUS PANEL EDGE NAILING - 2 LINES

9 S0.3 — SCALE: N.T.S.

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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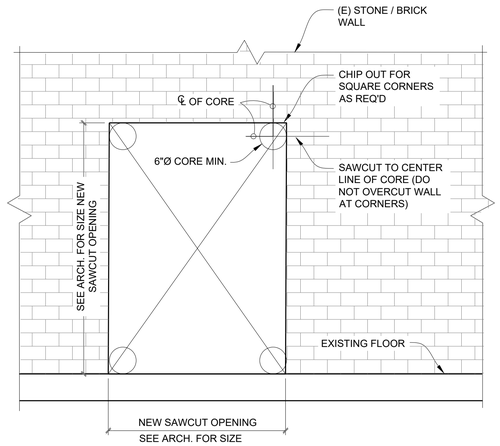
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Sheet Title
TYPICAL TIMBER DETAILS

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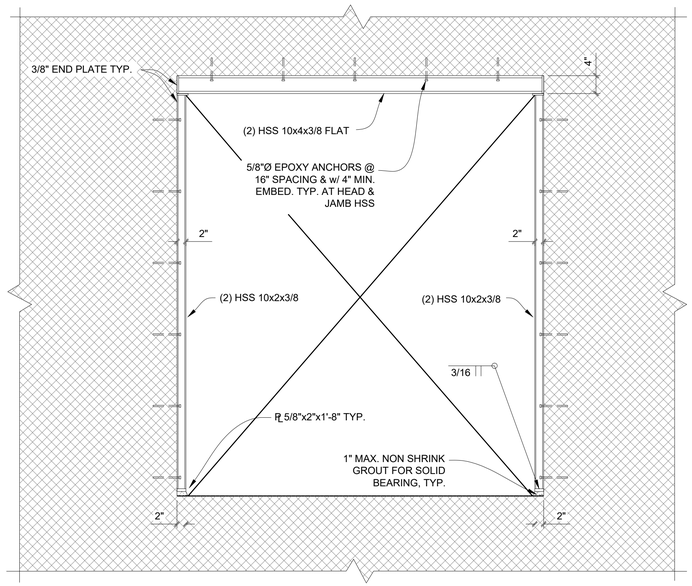
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Sheet No:

S0.3



NEW DOOR OPENING IN EXISTING STONE / BRICK WALL

1 S0.4 — SCALE: 3/4"=1'-0"

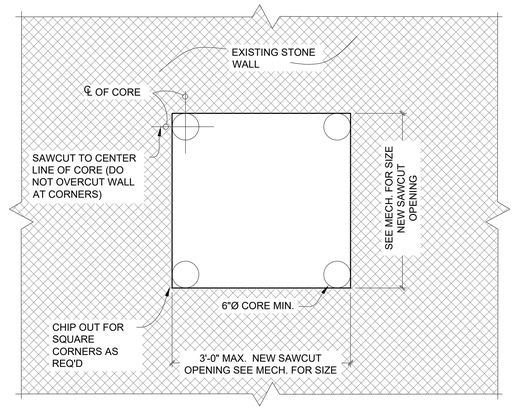


REINFORCING AT (N) DOOR OPENING

2 S0.4 — SCALE: 3/4"=1'-0"

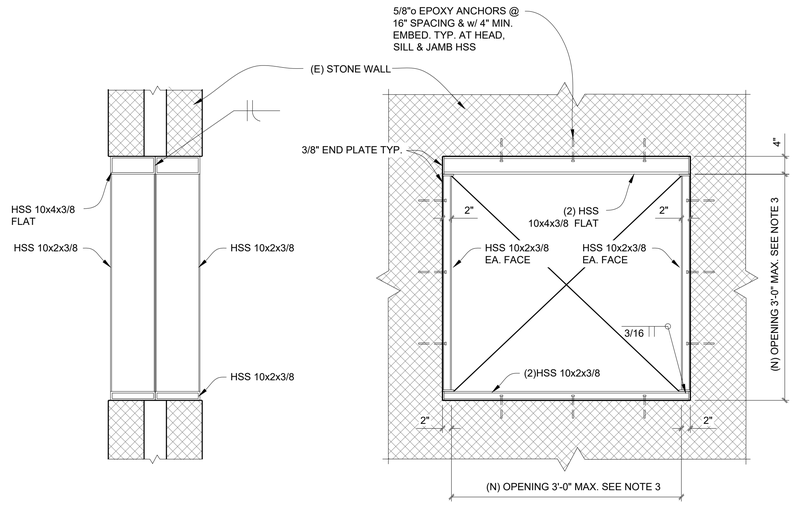
NOTES: 1. PROVIDE 2"Ø INSTALLATION HOLES IN HSS. FILL HOLES & GRIND SMOOTH AFTER INSTALLING ANCHORS TYPICAL AT HEAD AND JAMB HSS.

2. SEE DETAIL 1/S0.4 FOR SAW CUT OF NEW OPENING.



NEW MECHANICAL OPENING IN EXISTING STONE WALL

3 S0.4 — SCALE: 3/4"=1'-0"



REINFORCING AT (N) MECHANICAL OPENINGS

4 S0.4 — SCALE: 3/4"=1'-0"

NOTES: 1. SEE MECHANICAL FOR OPENING SIZE.
2. SEE DETAIL 3/S0.4 FOR SAW CUT OF (N) OPENING.
3. GRIND STONE AS REQUIRED FOR SOLID BEARING.

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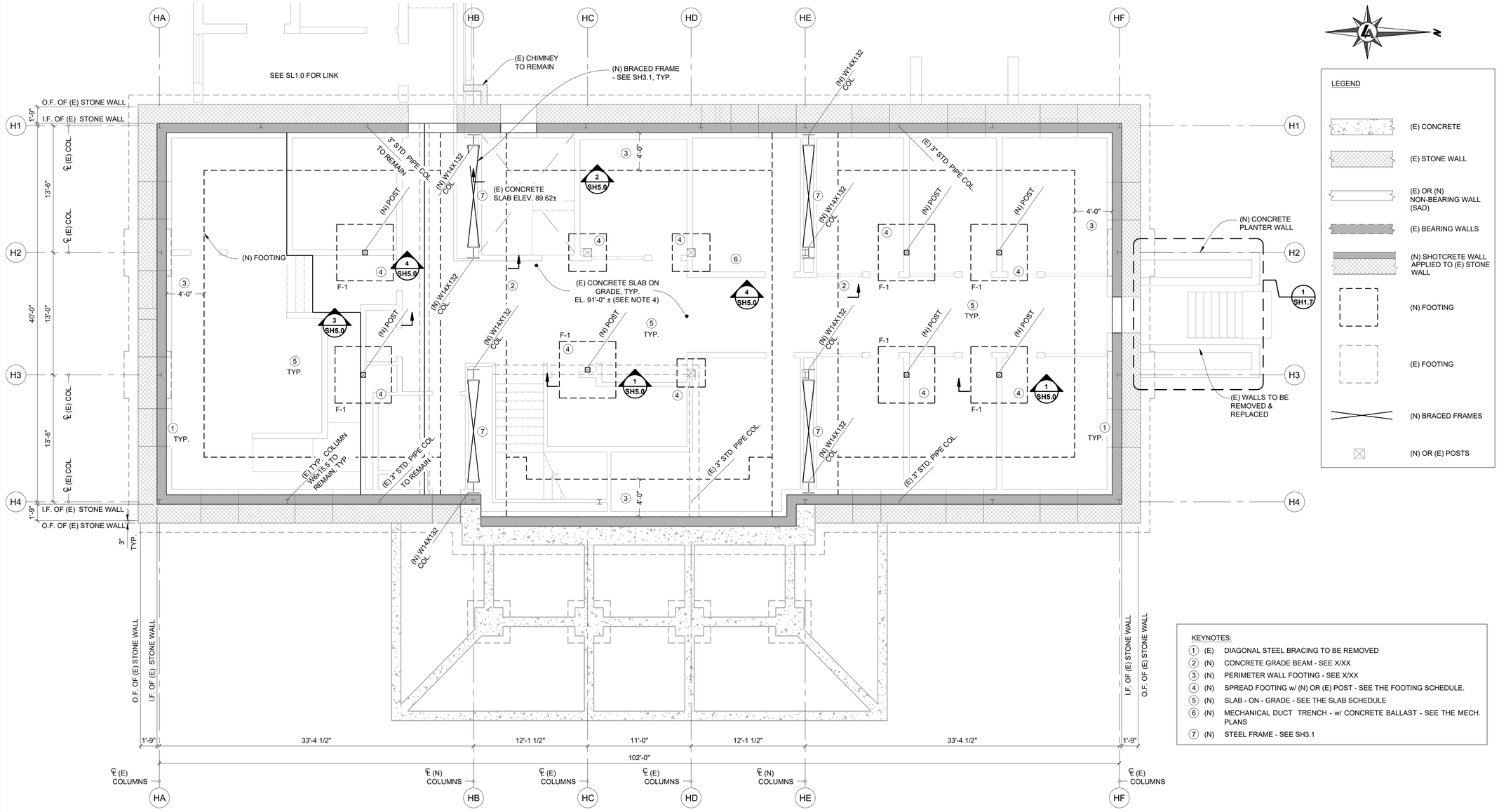
Sheet Title
TYPICAL WALL OPENING & TRENCH DETAILS

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

S0.4



LEGEND

- (E) CONCRETE
- (E) STONE WALL
- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (N) SHOTCRETE WALL APPLIED TO (E) STONE WALL
- (N) FOOTING
- (E) FOOTING
- (N) BRACED FRAMES
- (N) OR (E) POSTS

KEYNOTES:

1. (E) DIAGONAL STEEL BRACING TO BE REMOVED
2. (N) CONCRETE GRADE BEAM - SEE X/XX
3. (N) PERIMETER WALL FOOTING - SEE X/XX
4. (N) SPREAD FOOTING w/ (N) OR (E) POST - SEE THE FOOTING SCHEDULE.
5. (N) SLAB - ON - GRADE - SEE THE SLAB SCHEDULE
6. (N) MECHANICAL DUCT TRENCH - w/ CONCRETE BALLAST - SEE THE MECH. PLANS
7. (N) STEEL FRAME - SEE SH3.1

1 SH1.0 HEROES FOUNDATION / BASEMENT PLAN

SCALE: 3/16"=1'-0"

NOTES: 1. SEE SHEET S0.2 FOR TYPICAL CONCRETE DETAILS.
2. WALLS SHOWN ON THIS SHEET ARE ABOVE THE FLOOR SLAB.
3. SEE ARCH. DRAWINGS FOR LOCATION & LAYOUT OF ALL WALLS NOT SHOWN.

SLAB SCHEDULE

MARK	THICKNESS "t"	REINFORCING	COMMENTS
S-1	5"	#4's @18" o.c. EA. WAY	SEE NOTE 1

SLAB NOTES:

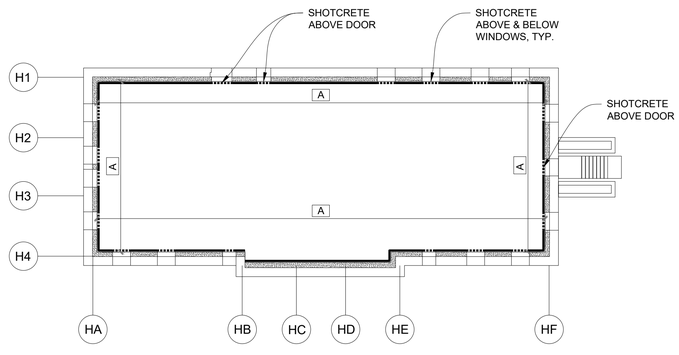
1. REINFORCING TO BE LOCATED IN THE UPPER 1/3 OF THE SLAB , TYP., U.N.O.
2. SEE XX FOR TYPICAL SLAB JOINT DETAILS.
3. SEE THE STRUCTURAL NOTES ON S0.1 AND S0.1.1 FOR ADDITIONAL INFORMATION.

BASEMENT SLAB REMOVAL SEQUENCE

1. REMOVE THE EXISTING SLAB AT LINES HB AND HE TO ALLOW CONSTRUCTION OF THE STEEL FRAME GRADE BEAMS.
2. AFTER THE GRADE BEAM CONCRETE REACHES A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI (AS VERIFIED BY TESTING), REMOVE THE SLABS BETWEEN LINES HA AND HB AND LINES HE AND HF TO ALLOW CONSTRUCTION OF THE WIDENED PERIMETER FOOTINGS AND NEW SLAB.
3. AFTER THE WIDENED PERIMETER FOOTING AND SLAB CONCRETE REACHES A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI, REMOVE THE SLAB BETWEEN LINES HB AND HE TO ALLOW CONSTRUCTION OF THE WIDENED PERIMETER FOOTINGS AND THE MECHANICAL TRENCH.

FOOTING SCHEDULE

MARK	WIDTH "W"	LENGTH "L"	THICKNESS "t"	REINFORCING	POST BASE	COMMENTS
F-1						
F-2						
F-3						



BASEMENT SHOTCRETE LAYOUT PLAN

N.T.S.

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HEROES MEMORIAL BUILDING & ANNEX

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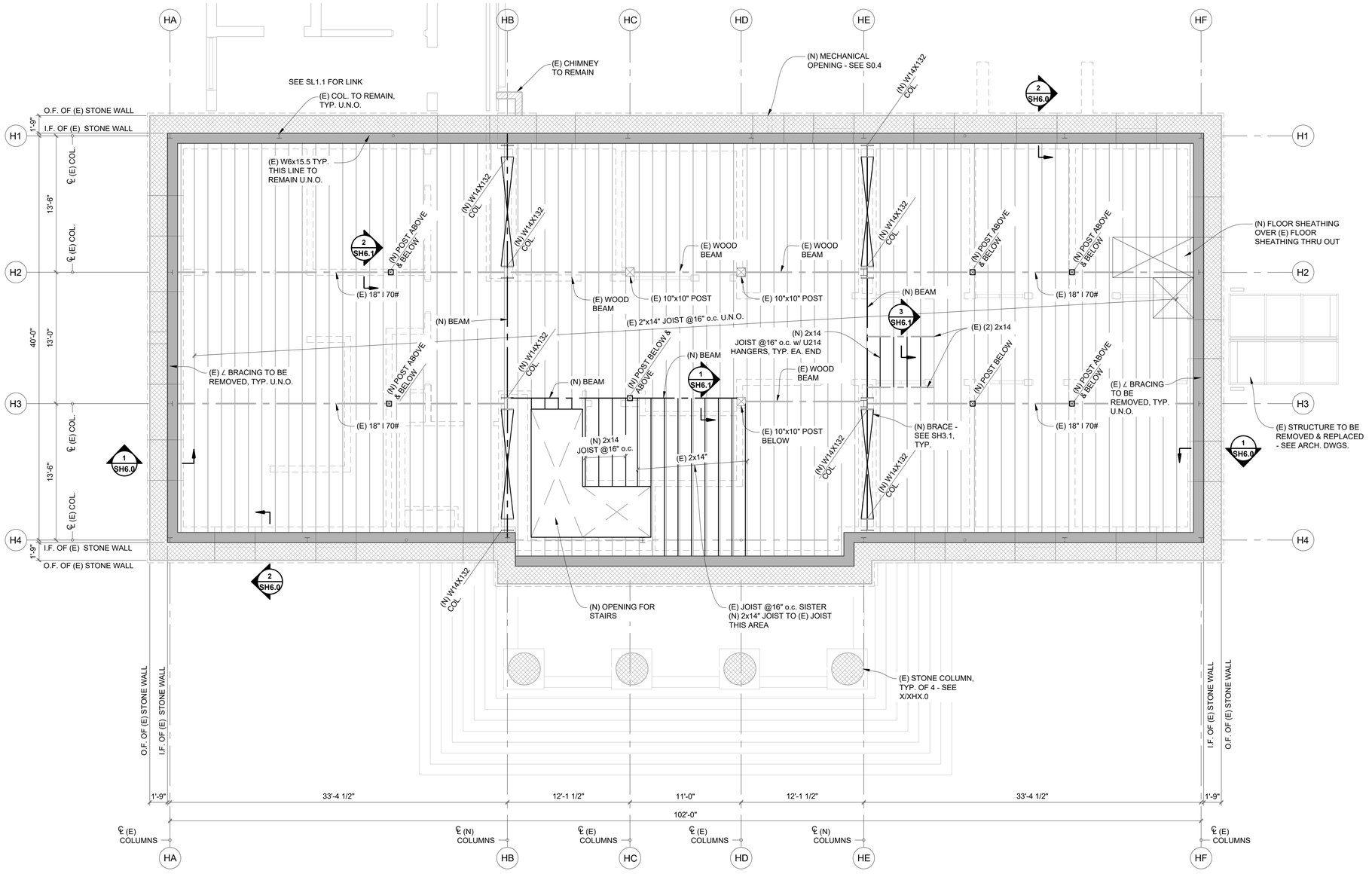
HEROES FOUNDATION / BASEMENT PLAN

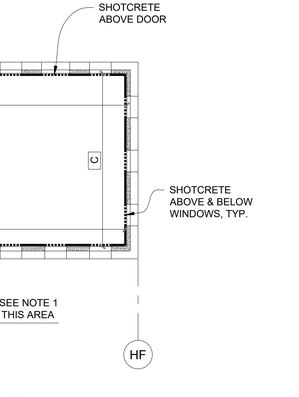
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Sheet No:

SH1.0



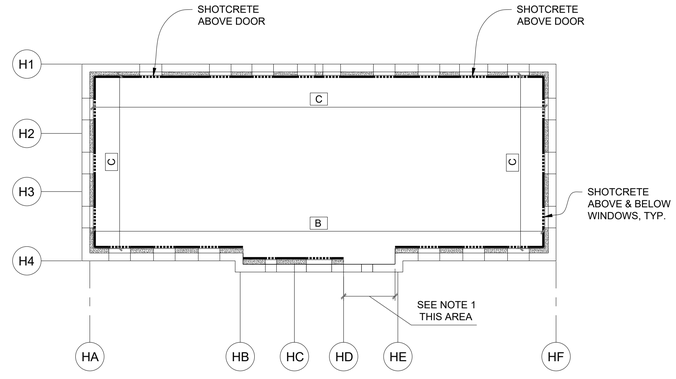


HEROES 1ST LEVEL FRAMING PLAN

1 SH1.1

SCALE: 3/16"=1'-0"

NOTES: 1. WALLS SHOWN ON THIS SHEET ARE BELOW THE FLOOR LEVEL.
2. SEE ARCH. DRAWINGS FOR LOCATION & LAYOUT OF ALL WALLS NOT SHOWN.
3. SEE SH1.5 FOR WALL ANCHOR LAYOUT.
4. (N) PLYWOOD FRAMING REQUIRES (N) BLKG. BELOW (E) SHEATHING. SEE S0.3 FOR DETAILS.



LEVEL 1 SHOTCRETE LAYOUT PLAN

N.T.S.

NOTES: 1. SIMPSON HELI - TIE HELICAL WALL TIES @ 24" o.c. EA. WAY @ EXTERIOR FACE PATCH WALL AS REQUIRED.

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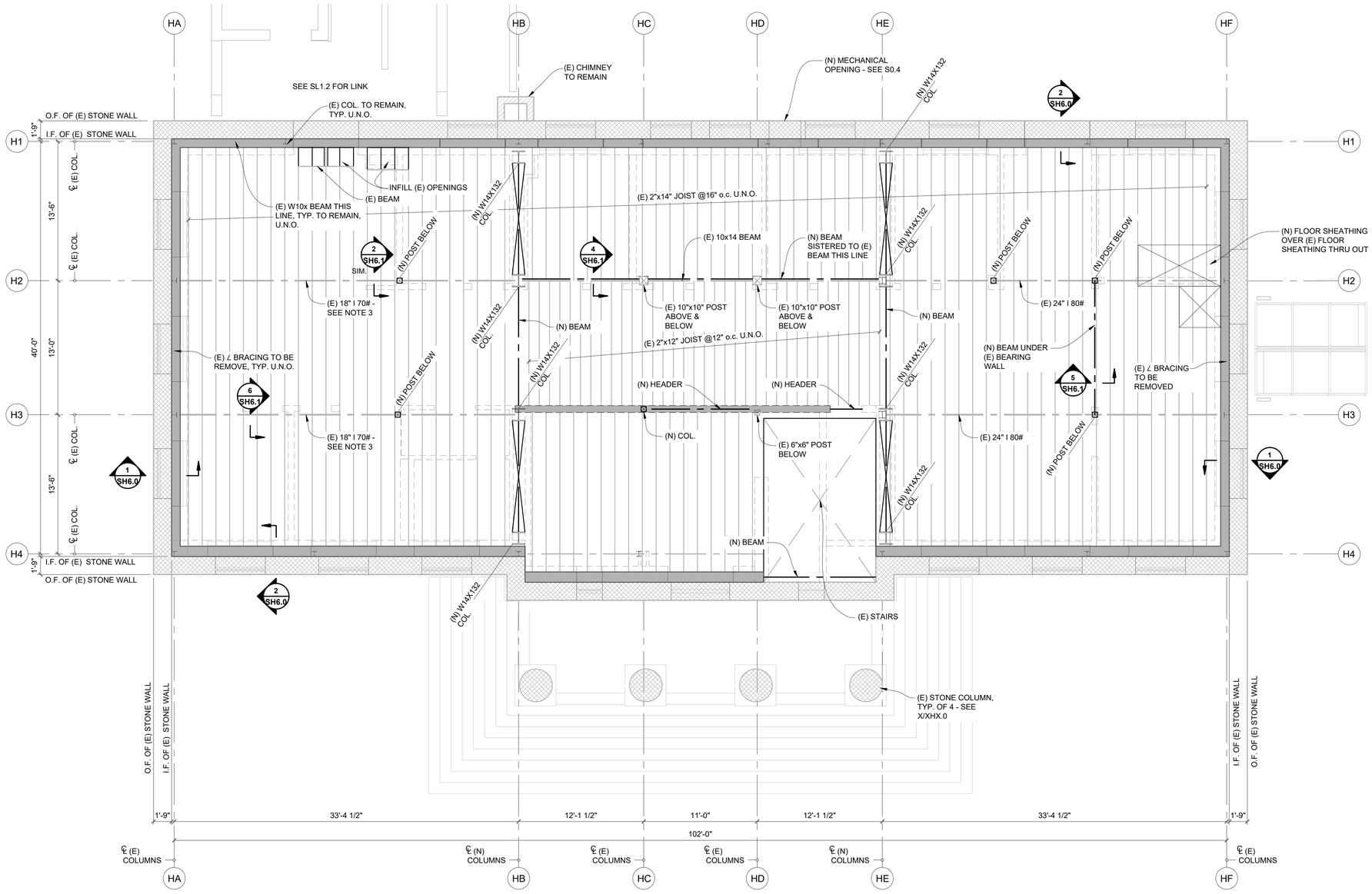
HEROES 1ST LEVEL FRAMING PLAN

JOB NO. 9290.006

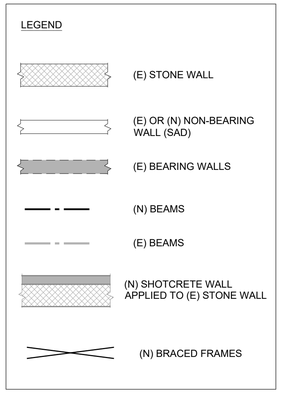
Date: SEP 23, 2022

Sheet No:

SH1.1





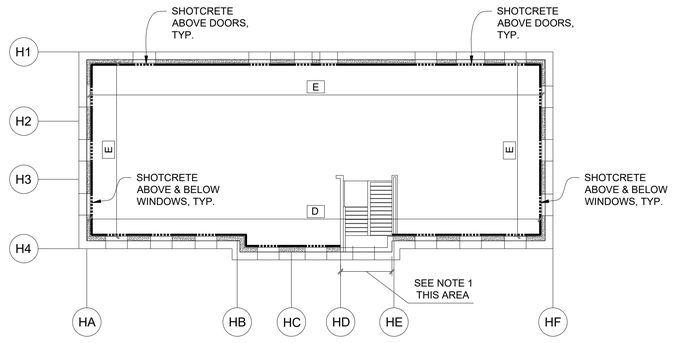


HEROES 2ND LEVEL FRAMING PLAN

1 SH1.2

SCALE: 3/16"=1'-0"

NOTES: 1. WALLS SHOWN ON THIS SHEET ARE BELOW THE FLOOR LEVEL.
2. SEE ARCH. DRAWINGS FOR LOCATION & LAYOUT OF ALL WALLS NOT SHOWN.
3. (E) BEAM TO BE STRENGTHENED w/ 1" THICK PLATE BELOW BOTTOM OF FLANGE & 2x4 TUBES BELOW TOP OF FLANGE EA. SIDE OF WEB.
4. SEE SH1.5 FOR WALL ANCHOR LAYOUT.
5. (N) PLYWOOD FRAMING REQUIRES (N) BLKG. BELOW (E) SHEATHING. SEE S0.3 FOR DETAILS.



LEVEL 2 SHOTCRETE LAYOUT PLAN

N.T.S.

NOTES: 1. SIMPSON HELI - TIE HELICAL WALL TIES @ 24" o.c. EA. WAY @ EXTERIOR FACE PATCH WALL AS REQUIRED.

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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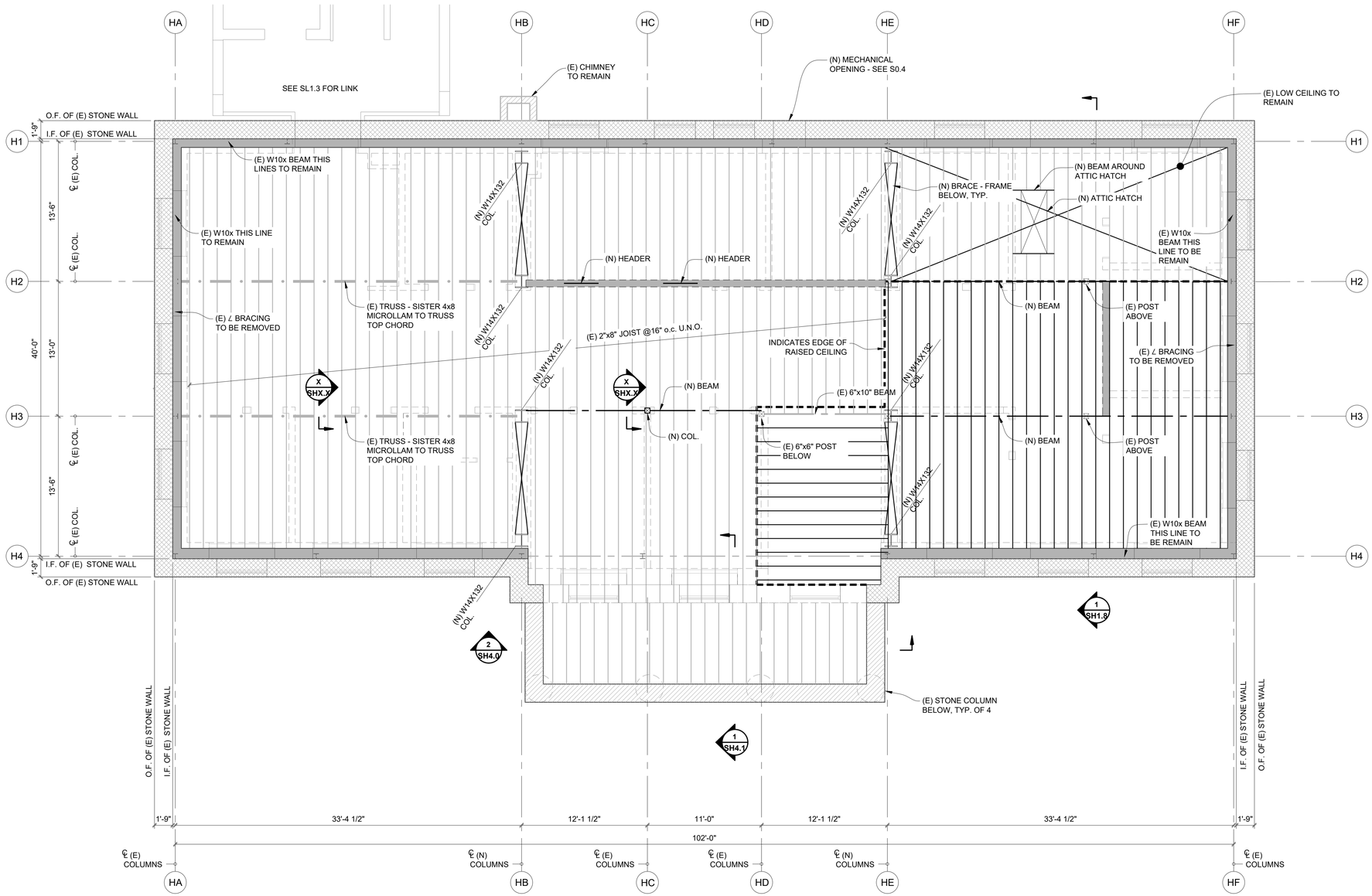
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REV	DATE	DESCRIPTION

Sheet Title
HEROES 2ND LEVEL FRAMING PLAN

JOB NO. 9290.006

Date: SEP 23, 2022
Sheet No:

SH1.2



LEGEND

- (E) STONE WALL
- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (N) BEAMS
- (E) BEAMS
- (E) TRUSS
- (N) SHOTCRETE WALL APPLIED TO (E) STONE WALL
- (N) BRACED FRAMES
- INDICATES EDGE OF RAISED CEILING

1 SH1.3 HEROES ATTIC FLOOR FRAMING PLAN

SCALE: 3/16"=1'-0"

NOTES: 1. WALLS SHOWN ON THIS SHEET ARE BELOW THE FLOOR LEVEL.
2. SEE ARCH. DRAWINGS FOR LOCATION & LAYOUT OF ALL WALLS NOT SHOWN.
3. SEE SH1.6 FOR WALL ANCHOR LAYOUT.
4. (N) PLYWOOD FRAMING REQUIRES (N) BLKG. BELOW (E) SHEATHING. SEE S0.3 FOR DETAILS.

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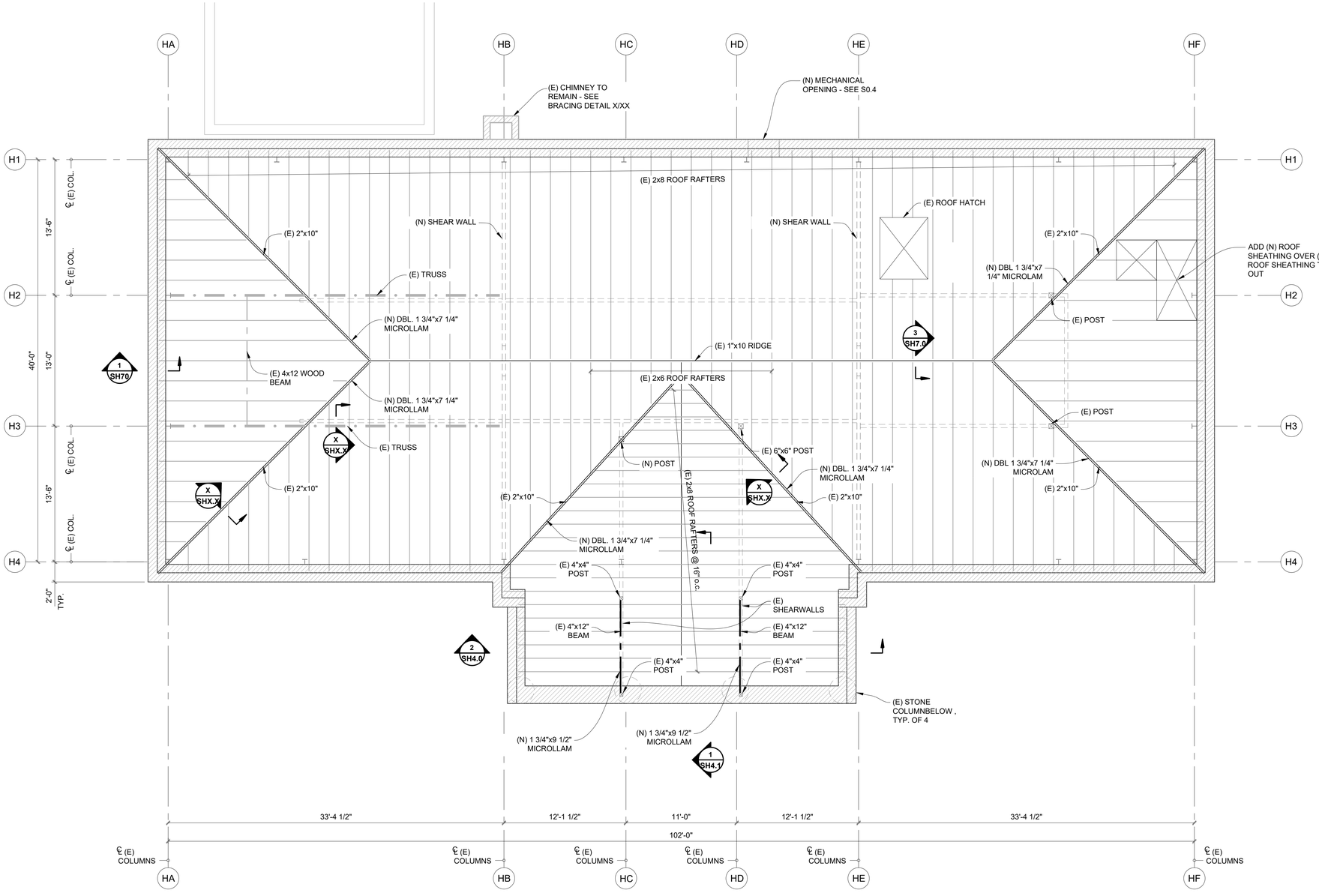
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REV	DATE	DESCRIPTION

Sheet Title
HEROES ATTIC FLOOR FRAMING PLAN

JOB NO. 9290.006

Date: SEP 23, 2022
Sheet No:

SH1.3

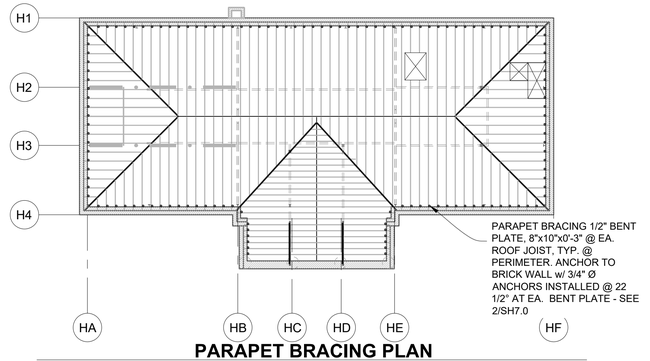


HEROES ROOF FRAMING PLAN

1 SH1.4

SCALE: 3/16"=1'-0"

NOTES: 1. INSTALL NEW PLYWOOD SHEATHING OVER EXISTING BOARDS.
2. (N) PLYWOOD FRAMING REQUIRES (N) BLKG. BELOW (E) SHEATHING. SEE S0.3 FOR DETAILS.



PARAPET BRACING PLAN

N.T.S.



LEGEND

- (E) STONE WALL
- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (N) BEAMS
- (E) BEAMS
- (E) TRUSS
- (E) 2X STUDS SUPPORTING RAFTERS
- (E) BRICK PARAPET

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Job No: 21-043

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SPWD Project No. 21-P02

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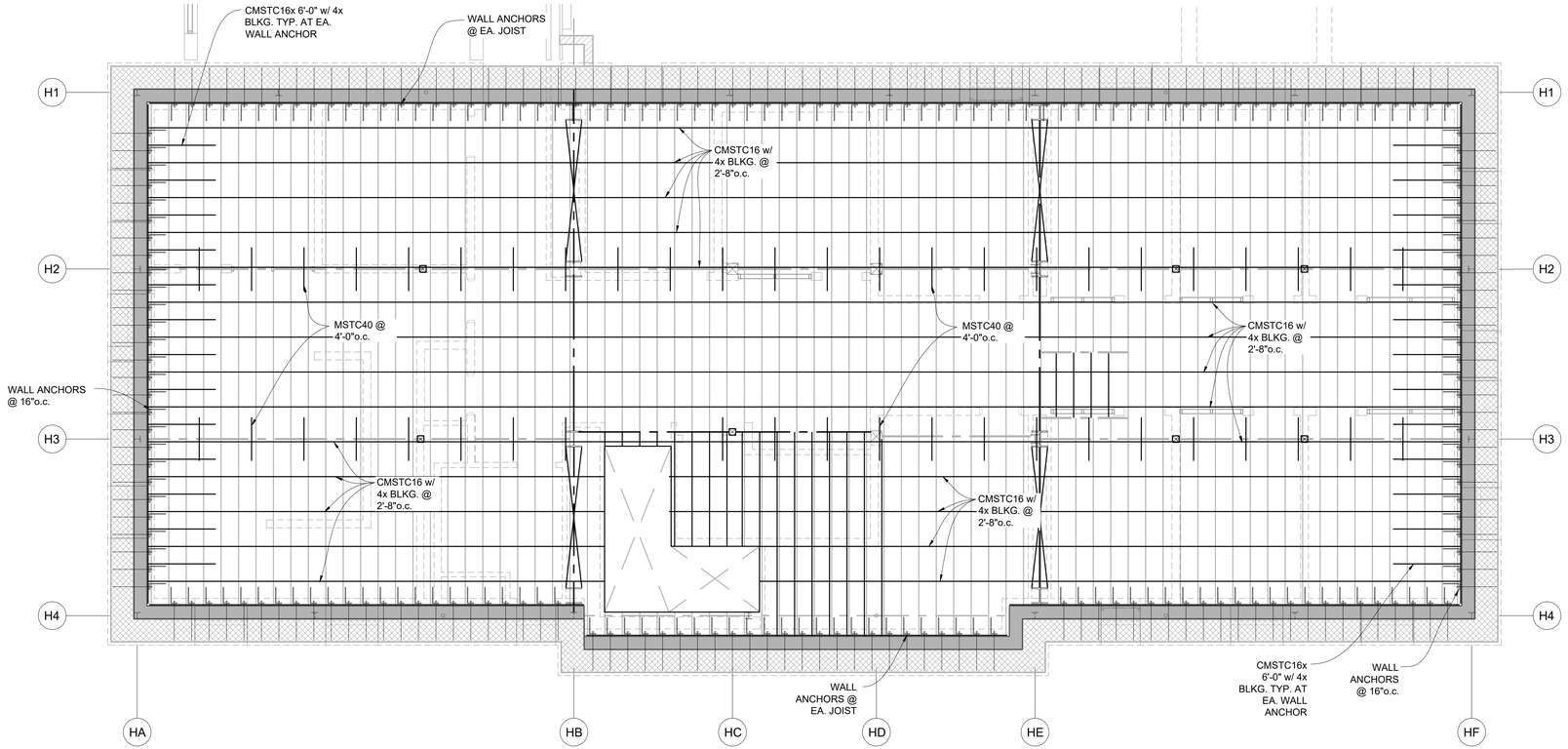
HEROES ROOF FRAMING PLAN

JOB NO. 9290.006

Date: SEP 23, 2022

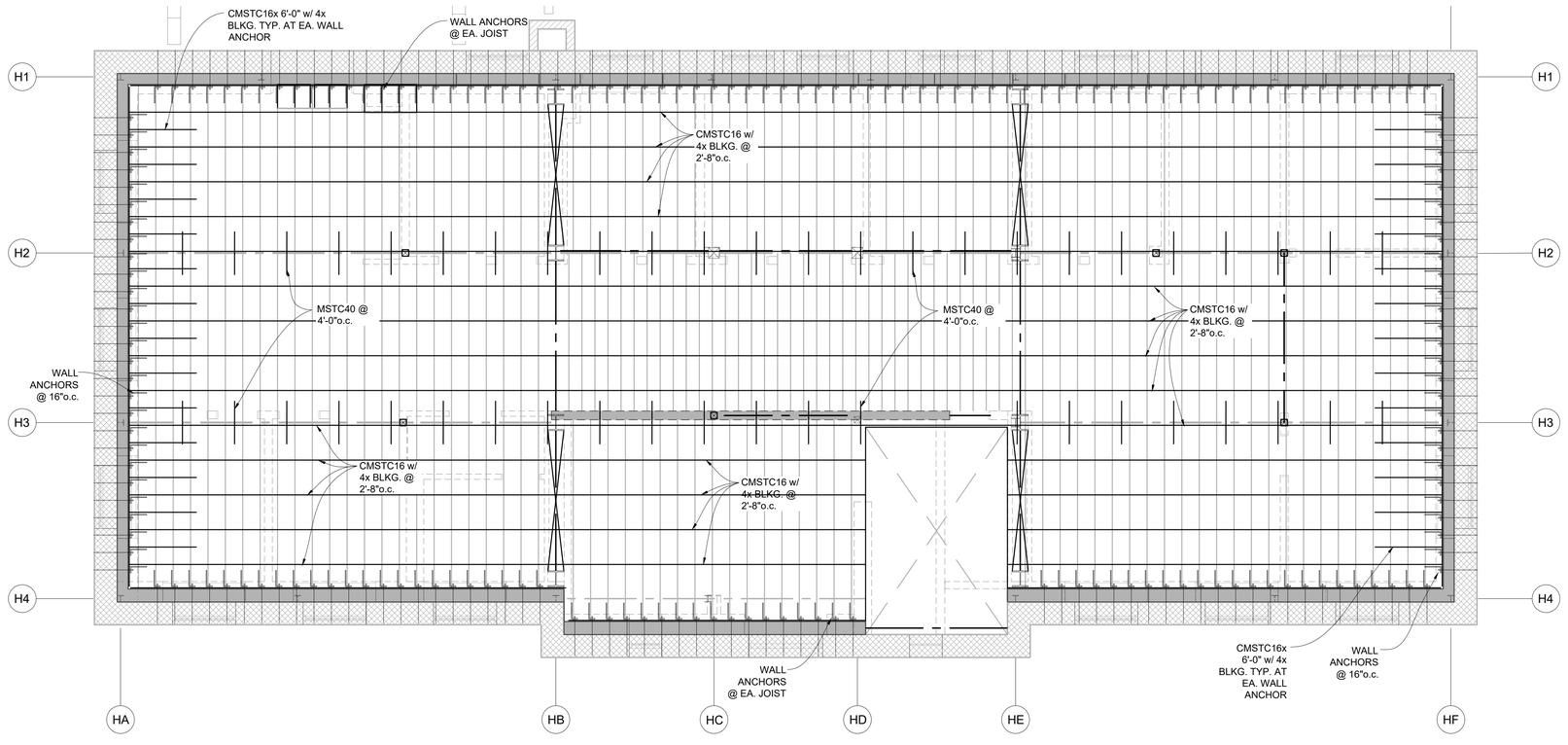
Sheet No:

SH1.4



1 SH1.5 **HEROES 1ST LEVEL WALL ANCHOR LAYOUT**

SCALE: 3/16"=1'-0"



2 SH1.5 **HEROES 2ND LEVEL WALL ANCHOR LAYOUT**

SCALE: 3/16"=1'-0"

LEGEND

- (E) STONE WALL
- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (N) BEAMS
- (E) BEAMS
- (E) TRUSS
- (N) SHOTCRETE WALL APPLIED TO (E) STONE WALL
- (N) BRACED FRAMES
- (N) WALL ANCHORS

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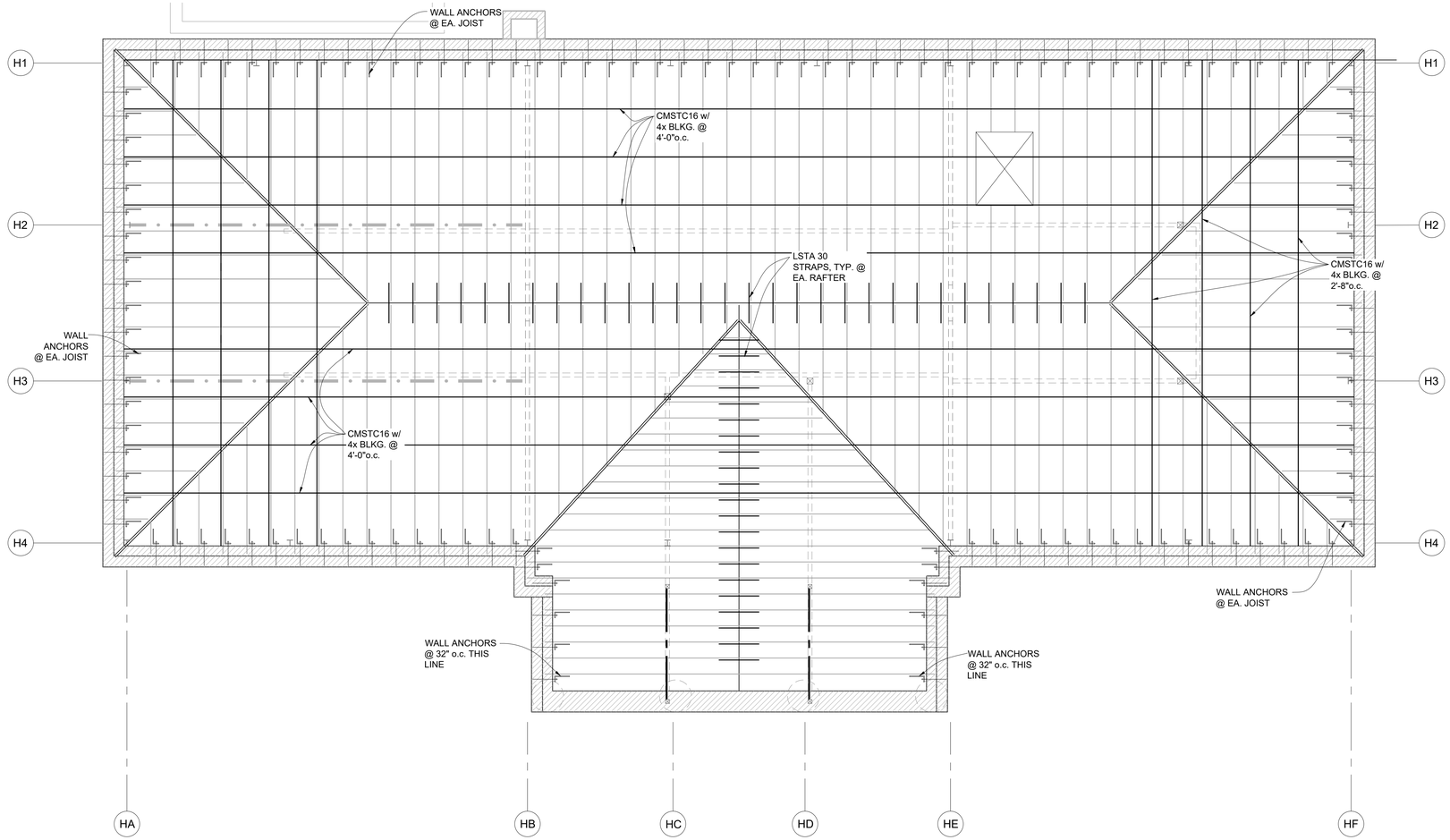
WALL ANCHOR LAYOUT

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

SH1.5



1 SH1.6 **HEROES ROOF WALL ANCHOR LAYOUT**
SCALE: 3/16"=1'-0"

LEGEND

- (E) STONE WALL
- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (N) BEAMS
- (E) BEAMS
- (E) TRUSS
- (N) SHOTCRETE WALL APPLIED TO (E) STONE WALL
- (N) BRACED FRAMES
- (N) WALL ANCHORS

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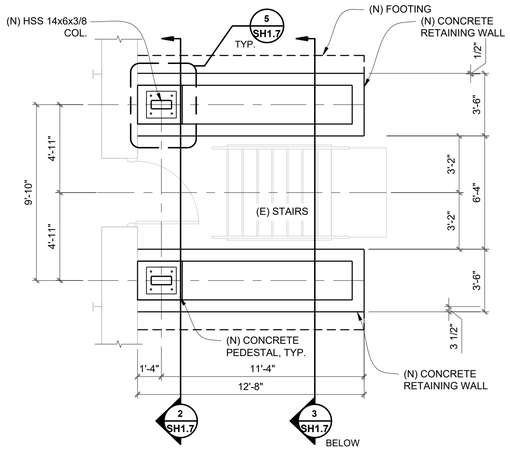
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WALL ANCHOR LAYOUT

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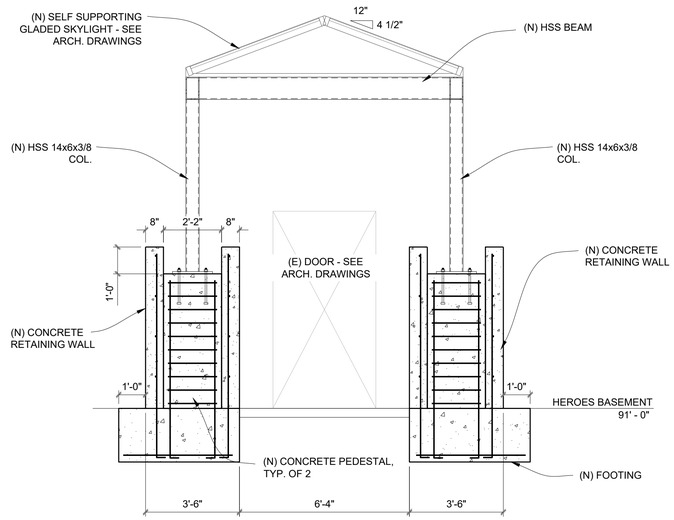
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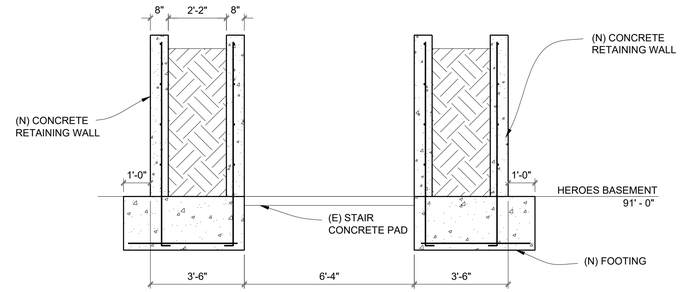
SH1.6



1 SH1.7 STAIRS / CANOPY FOUNDATION PLAN
SCALE: 1/4"=1'-0"

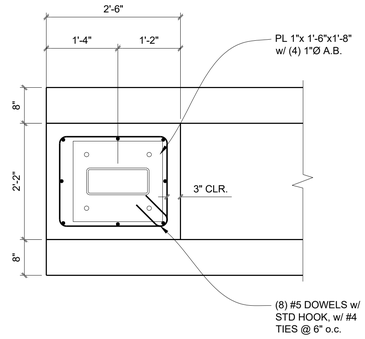


2 SH1.7 STAIRS / CANOPY SECTION
SCALE: 3/8"=1'-0"

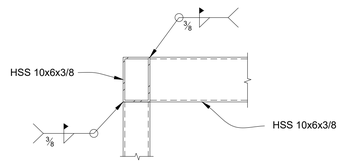


3 SH1.7 STAIRS / CANOPY SECTION
SCALE: 3/8"=1'-0"

4 SH1.7 STAIRS / CANOPY ROOF PLAN
SCALE: 1/4"=1'-0"



5 SH1.7 PEDESTAL DETAIL
SCALE: 3/4"=1'-0"



6 SH1.7 ROOF CONNECTION DETAIL
SCALE: 3/4"=1'-0"

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
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SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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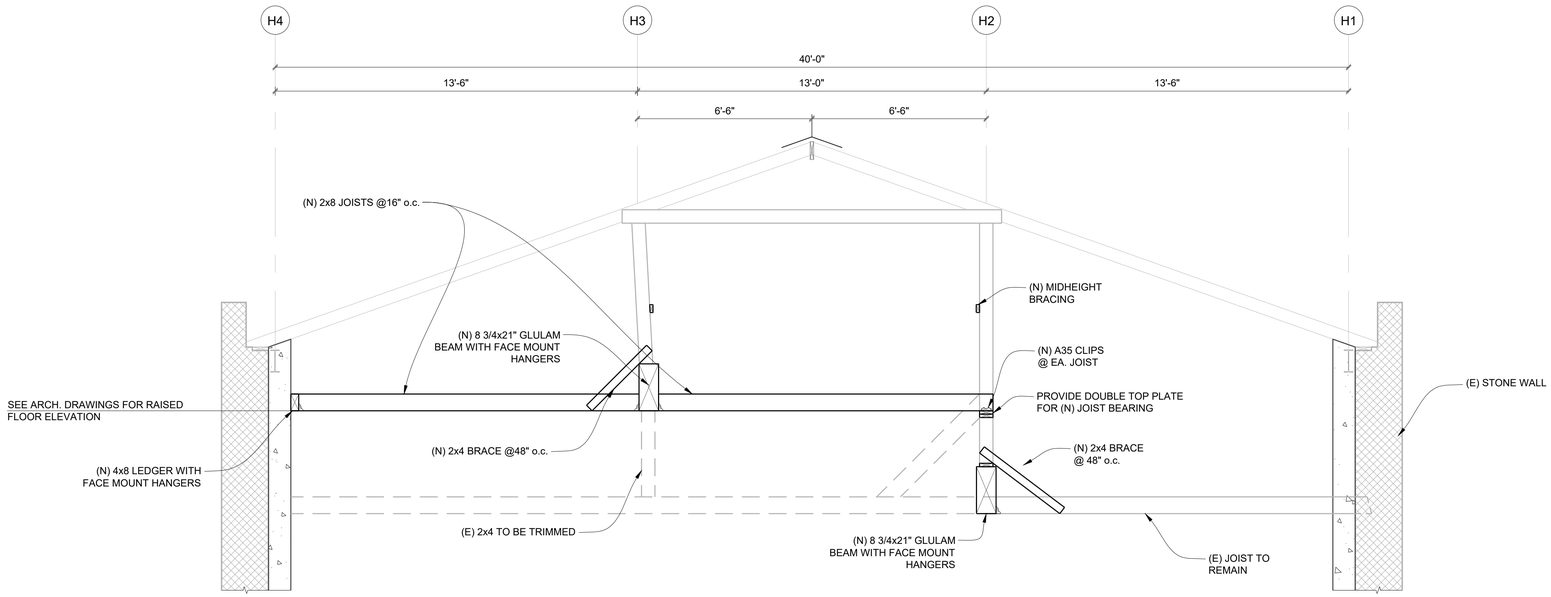
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REV	DATE	DESCRIPTION

Sheet Title
CANOPY / STAIRS

JOB NO. 9290.006

Date: SEP 23, 2022
Sheet No:

SH1.7



1
SH1.8

RAISED ATTIC FLOOR DETAIL

SCALE: 3/8"=1'-0"

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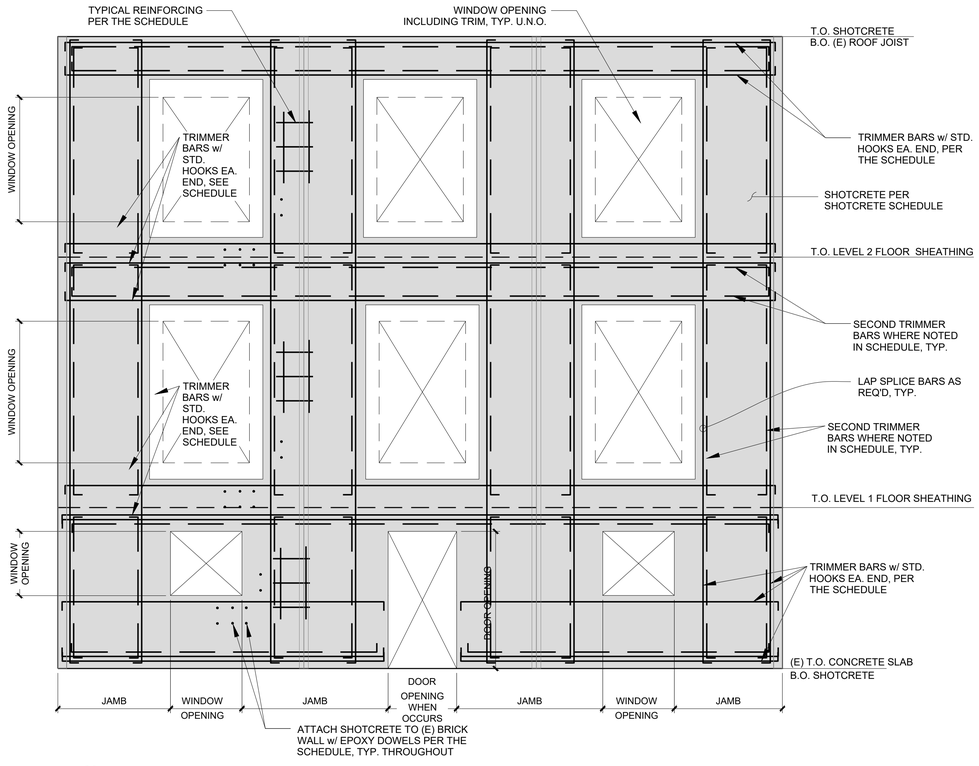
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JOB NO. 9290.006

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SH1.8



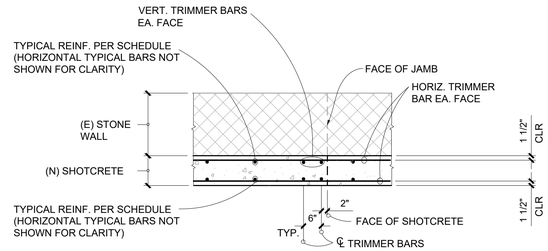
1 SH2.0

NORTH SHOTCRETE WALL REINFORCING

SCALE: N.T.S.

SHOTCRETE SCHEDULE										
MARK	MIN. THICKNESS	TYP. REINFORCING - SEE NOTE 1	VERT. TRIMMER BARS	2ND VERT. TRIMMER BARS	TOP OF WALL HORIZ. TRIMMER BARS w/ STD. HOOK EA. END	2ND TOP OF WALL HORIZ. TRIMMER BAR w/ STD. HOOK EA. END	BOT. OF WALL HORIZ. TRIMMER BARS w/ STD. HOOK EA. END	BOT. 2ND TOP OF WALL HORIZ. TRIMMER BARS w/ STD. HOOK EA. END	EPOXY DOWELS AT SHOTCRETE TO (E) BRICK	NOTES
A	12"	VERT. #6's @ 10"o.c. EA. FACE HORZ. #5's @ 12"o.c. EA. FACE	#6	#6	(2) #6	(2) #6	(2) #6	(2) #6	#5's @ 24"o.c. EA. WAY	
B	12"	VERT. #6's @ 10"o.c. EA. FACE HORZ. #5's @ 12"o.c. EA. FACE	#6	#6	(2) #6	(2) #6	(2) #6	(2) #6	#5's @ 24"o.c. EA. WAY	
C	10"	VERT. #6's @ 10"o.c. EA. FACE HORZ. #5's @ 12"o.c. EA. FACE	#6	#6	(2) #6	(2) #6	(2) #6	(2) #6	#5's @ 24"o.c. EA. WAY	
D	10"	VERT. #6's @ 10"o.c. EA. FACE HORZ. #5's @ 12"o.c. EA. FACE	#6	#6	(2) #6	(2) #6	(2) #6	(2) #6	#5's @ 24"o.c. EA. WAY	
E	10"	VERT. #6's @ 10"o.c. EA. FACE HORZ. #5's @ 12"o.c. EA. FACE	#6	#6	(2) #6	(2) #6	(2) #6	(2) #6	#5's @ 24"o.c. EA. WAY	

NOTES: 1. LAP VERT. BARS AT 10" TO 12" TRANSITIONS.

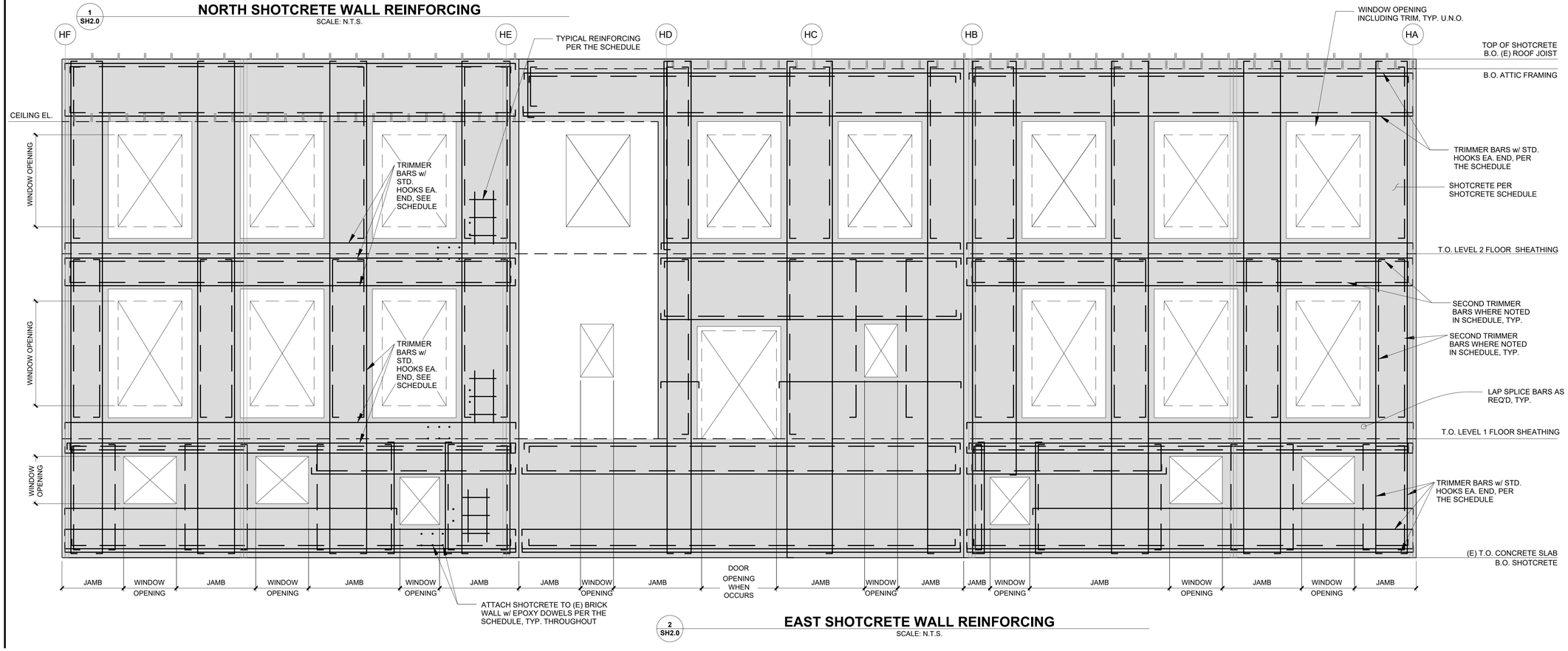


3 SH2.0

TYPICAL TRIMMER BAR LAYOUT

SCALE: N.T.S.

NOTES: 1. TRIMMER BARS REPLACE TYPICAL BARS WHEN OCCURING AT THE SAME LOCATION
2. SHOTCRETE TO STONE WALL ANCHORS NOT SHOWN.



2 SH2.0

EAST SHOTCRETE WALL REINFORCING

SCALE: N.T.S.

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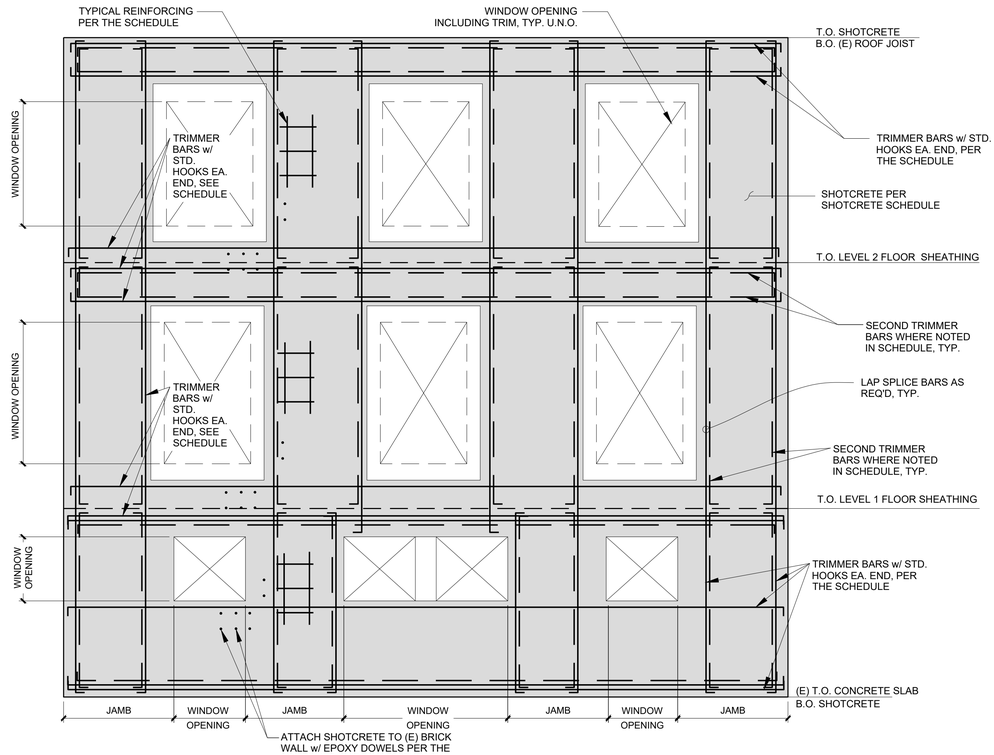
HEROES SHOTCRETE SCHEDULE, WALL ELEVATIONS & DETAILS

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

SH2.0



SOUTH SHOTCRETE WALL REINFORCING

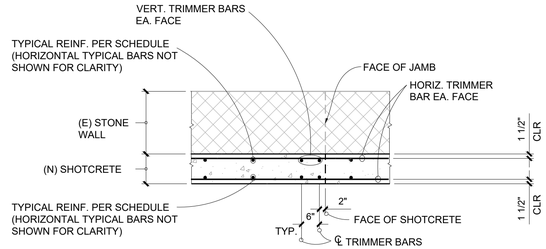
1 SH2.1

SCALE: N.T.S.

SHOTCRETE SCHEDULE

MARK	MIN. THICKNESS	TYP. REINFORCING - SEE NOTE 1	VERT. TRIMMER BARS	2ND VERT. TRIMMER BARS	TOP OF WALL HORIZ. TRIMMER BARS w/ STD. HOOK EA. END	2ND TOP OF WALL HORIZ. TRIMMER BAR w/ STD. HOOK EA. END	BOT. OF WALL HORIZ. TRIMMER BARS w/ STD. HOOK EA. END	BOT. 2ND TOP OF WALL HORIZ. TRIMMER BARS w/ STD. HOOK EA. END	EPOXY DOWELS AT SHOTCRETE TO (E) BRICK	NOTES
A	12"	VERT. #6's @ 10"o.c. EA. FACE HORZ. #5's @ 12"o.c. EA. FACE	#6	#6	(2) #6	(2) #6	(2) #6	(2) #6	#5's @ 24"o.c. EA. WAY	
B	12"	VERT. #6's @ 10"o.c. EA. FACE HORZ. #5's @ 12"o.c. EA. FACE	#6	#6	(2) #6	(2) #6	(2) #6	(2) #6	#5's @ 24"o.c. EA. WAY	
C	10"	VERT. #6's @ 10"o.c. EA. FACE HORZ. #5's @ 12"o.c. EA. FACE	#6	#6	(2) #6	(2) #6	(2) #6	(2) #6	#5's @ 24"o.c. EA. WAY	
D	10"	VERT. #6's @ 10"o.c. EA. FACE HORZ. #5's @ 12"o.c. EA. FACE	#6	#6	(2) #6	(2) #6	(2) #6	(2) #6	#5's @ 24"o.c. EA. WAY	
E	10"	VERT. #6's @ 10"o.c. EA. FACE HORZ. #5's @ 12"o.c. EA. FACE	#6	#6	(2) #6	(2) #6	(2) #6	(2) #6	#5's @ 24"o.c. EA. WAY	

NOTES: 1. LAP VERT. BARS AT 10" TO 12" TRANSITIONS.

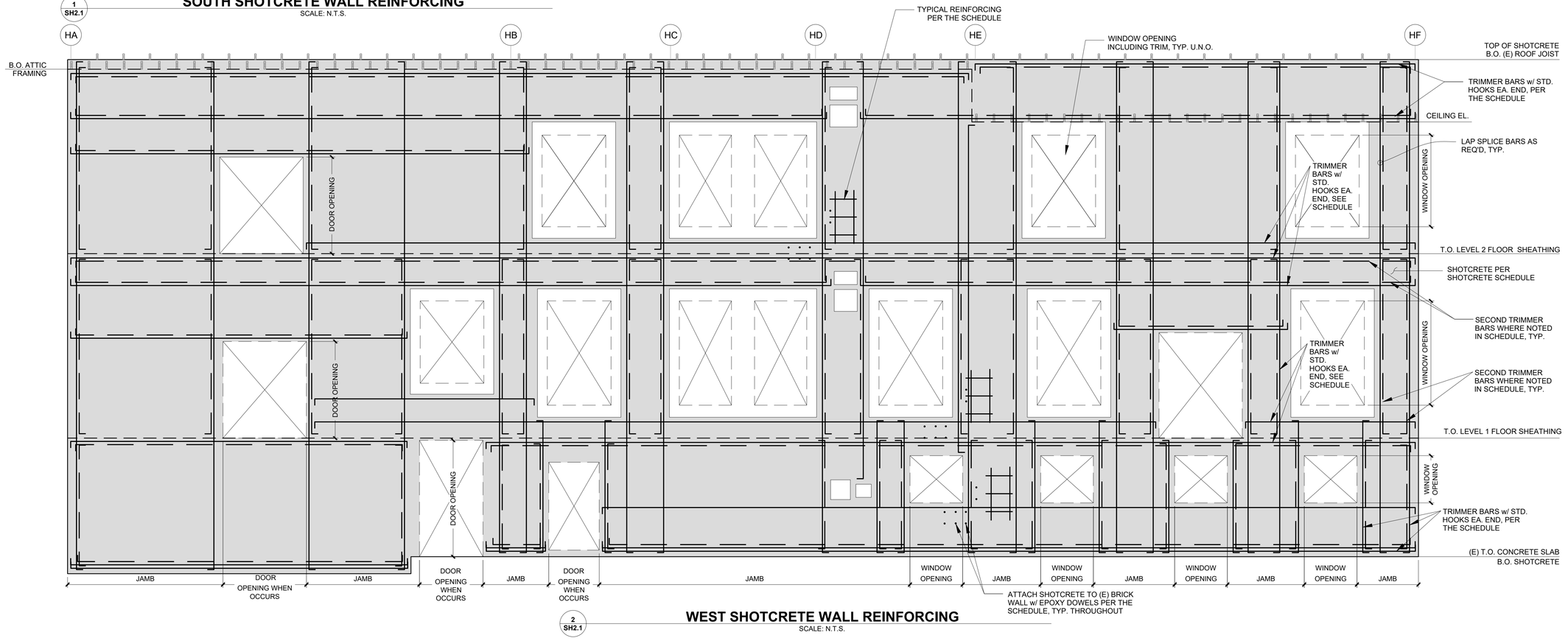


TYPICAL TRIMMER BAR LAYOUT

3 SH2.0

SCALE: N.T.S.

NOTES: 1. TRIMMER BARS REPLACE TYPICAL BARS WHEN OCCURING AT THE SAME LOCATION
2. SHOTCRETE TO STONE WALL ANCHORS NOT SHOWN.



WEST SHOTCRETE WALL REINFORCING

2 SH2.1

SCALE: N.T.S.

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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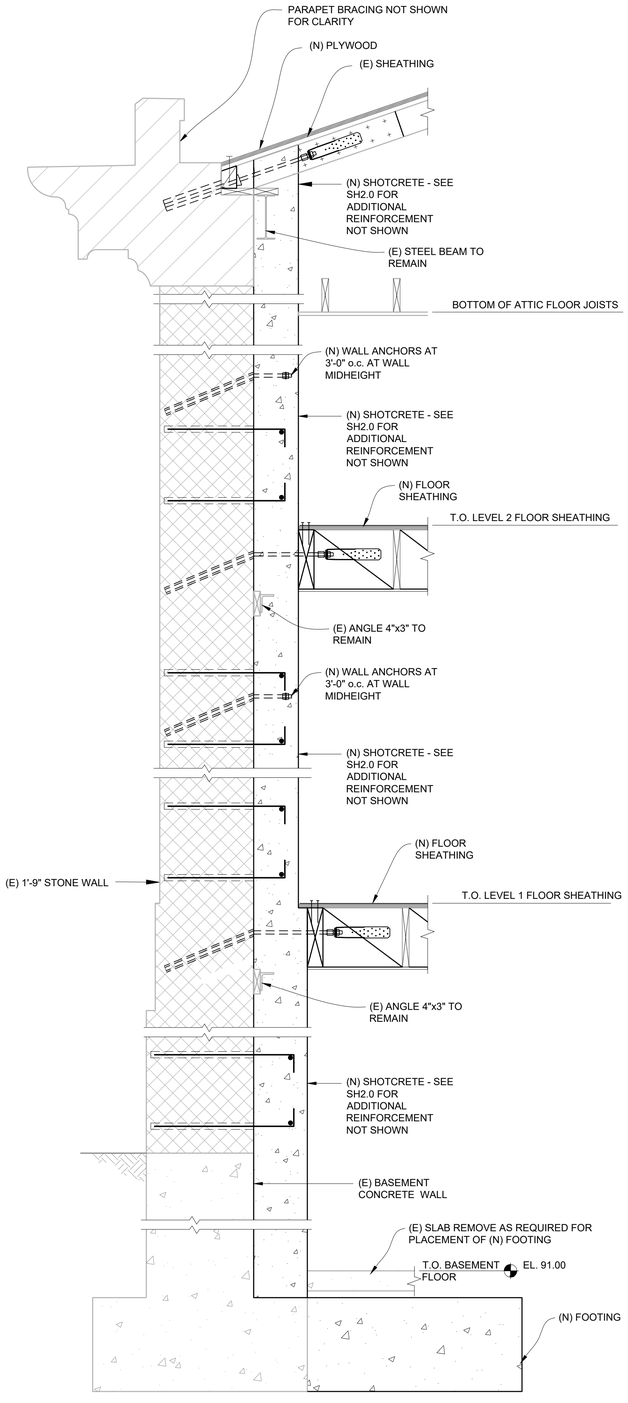
REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
HEROES SHOTCRETE SCHEDULE, WALL ELEVATIONS & DETAILS

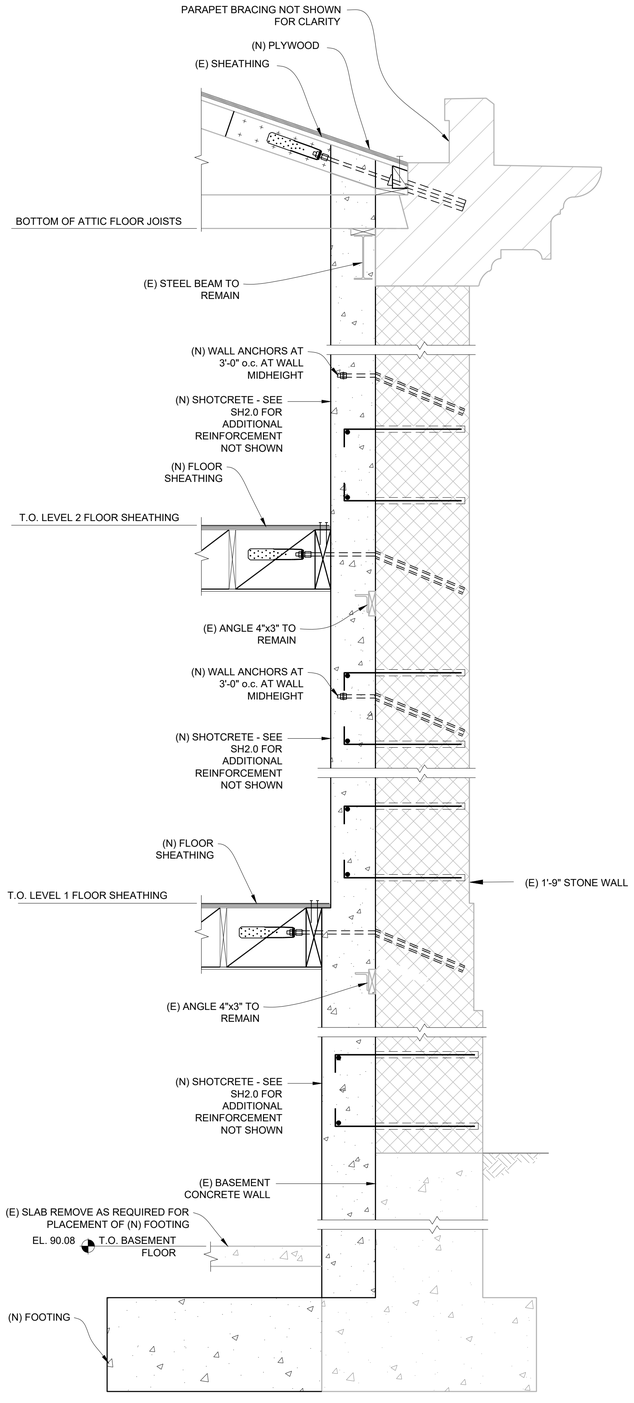
JOB NO. 9290.006

Date: SEP 23, 2022
Sheet No:

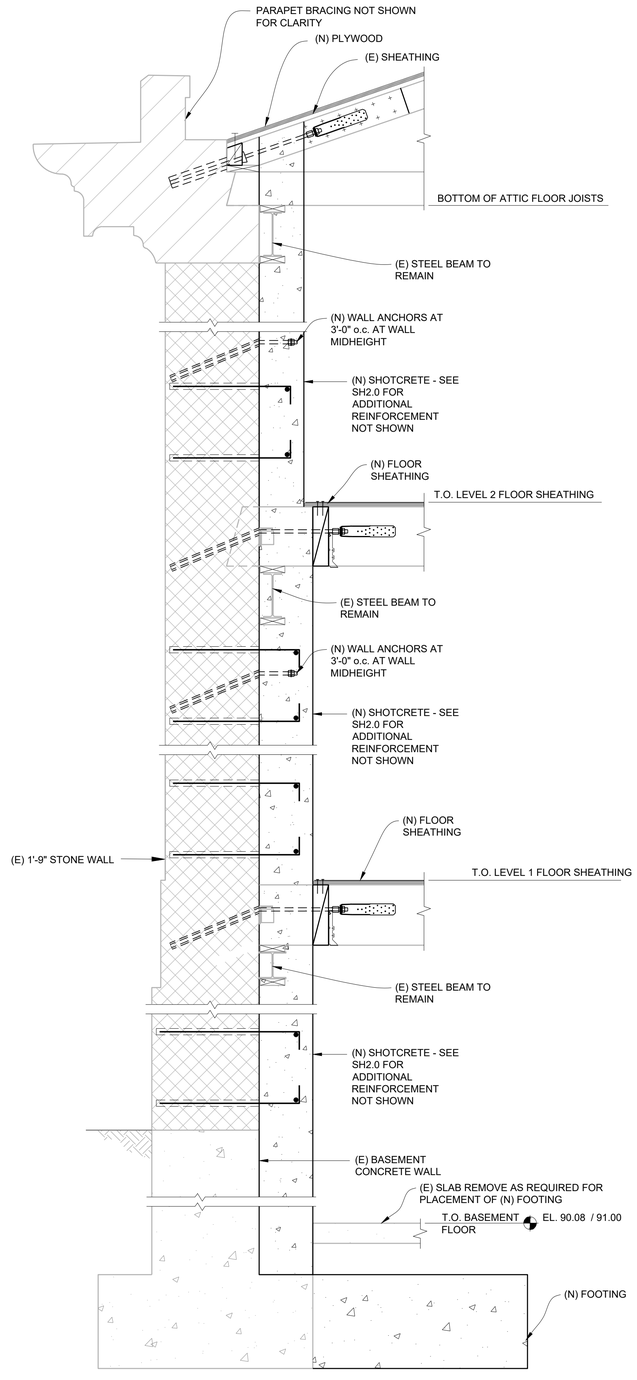
SH2.1



1 SH2.1 **HEROES NORTH WALL SECTION**
SCALE: 3/4"=1'-0"



2 SH2.1 **HEROES SOUTH WALL SECTION**
SCALE: 3/4"=1'-0"



3 SH2.1 **HEROES EAST WALL SECTIONS**
SCALE: 3/4"=1'-0"

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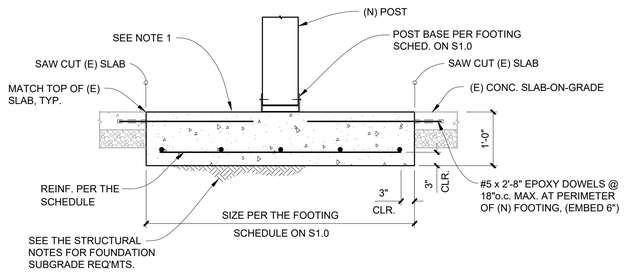
HEROES WALL SECTIONS

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

SH2.2



DETAIL AT (N) FOOTING

2 / SH2.2

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

NOTES: 1. FINISH EXPOSED SURFACE TO MATCH FINISH OF (E) SLAB. COORDINATE AS REQ'D. WITH THE ARCHITECT.

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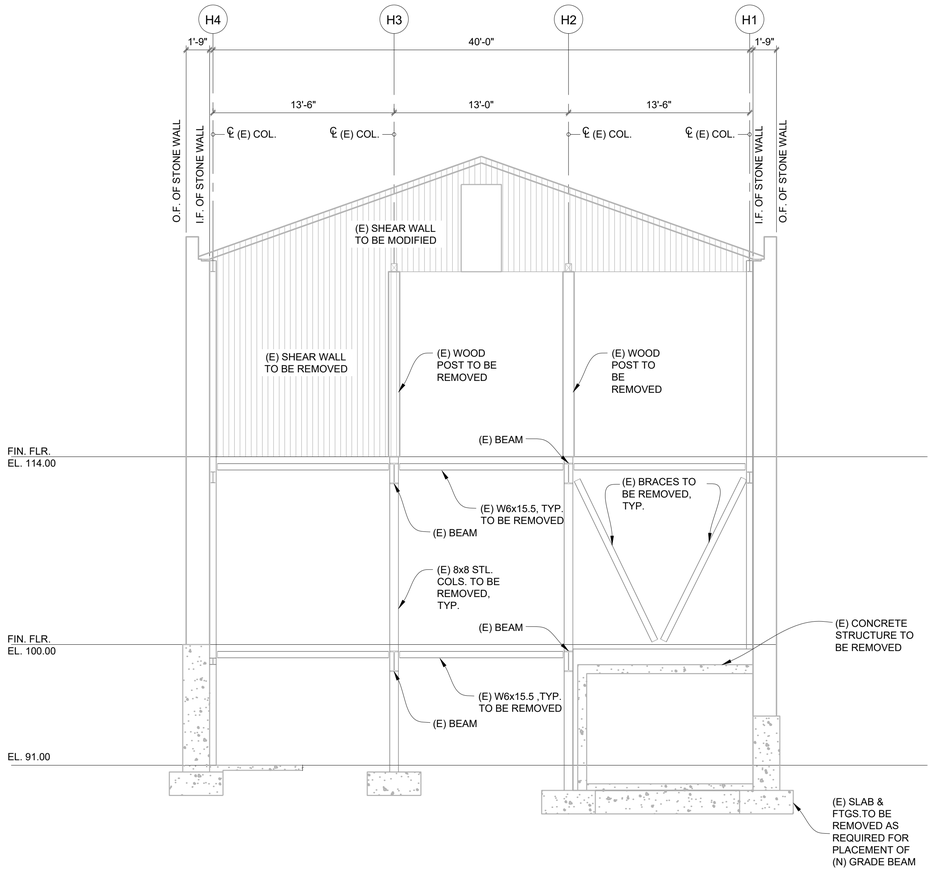
HEROES WALL SECTIONS

JOB NO. 9290.006

Date: SEP 23, 2022

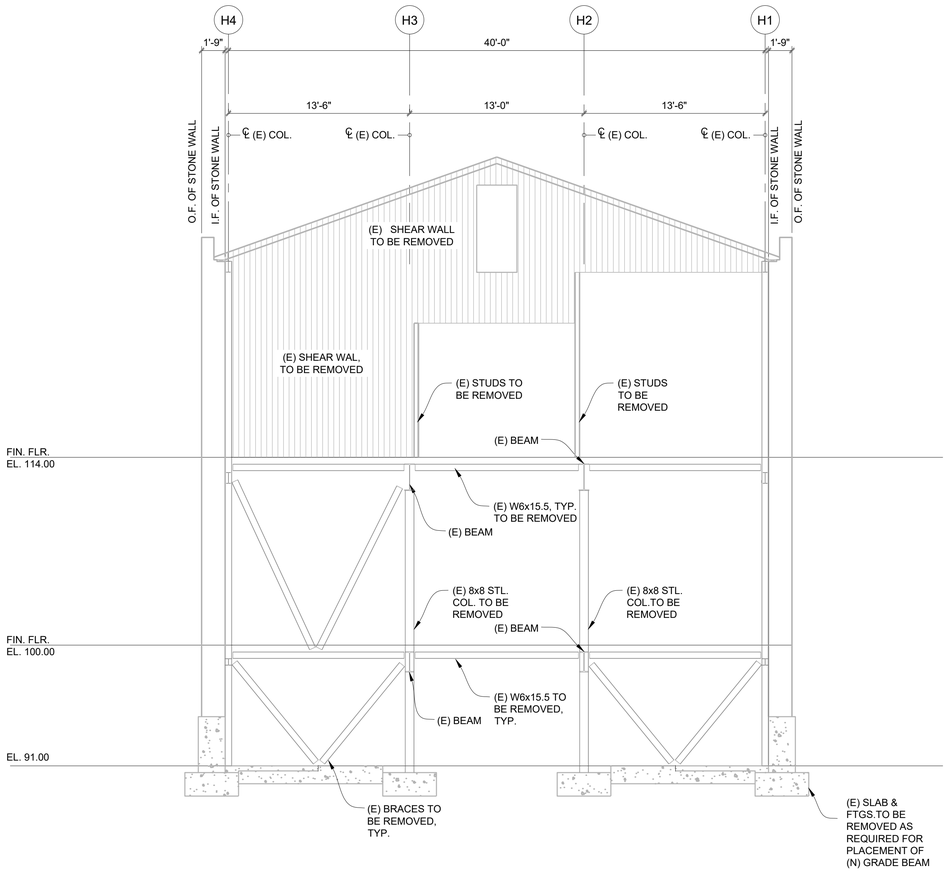
Sheet No:

SH2.3



1 SH3.0 **EXISTING ELEVATION @ GRID HB**

SCALE: 3/16"=1-'0"



2 SH3.0 **EXISTING ELEVATION @ GRID HE**

SCALE: 3/16"=1-'0"

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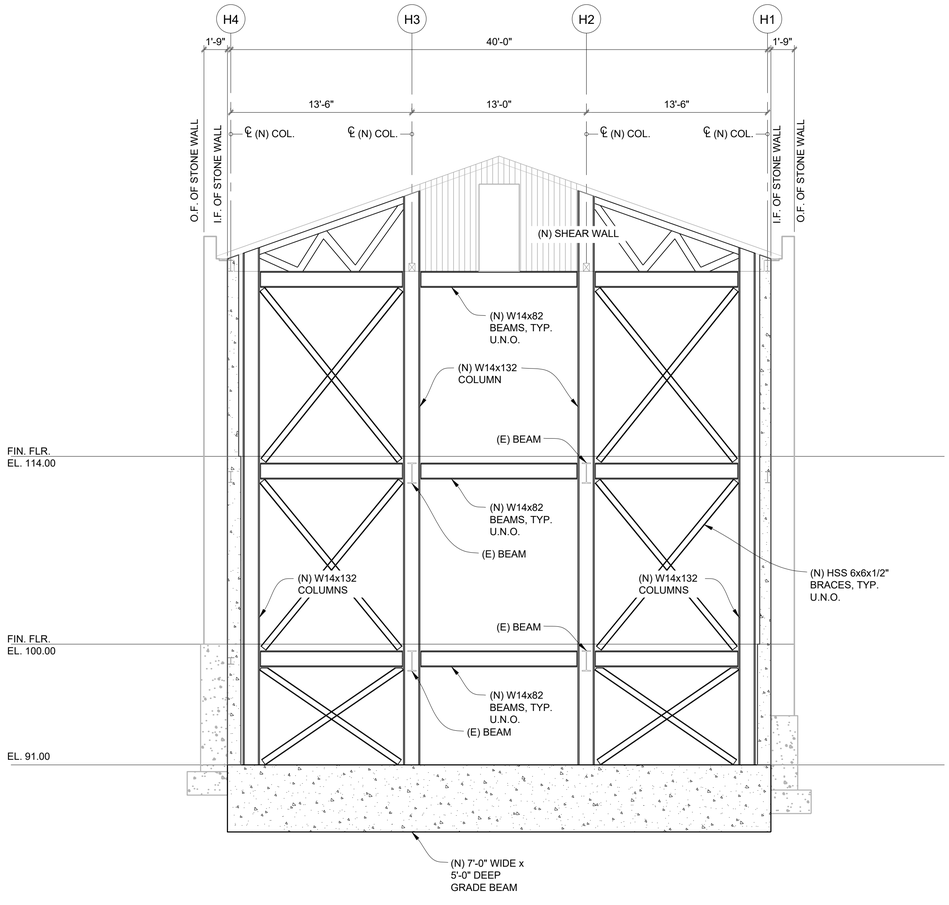
EXISTING FRAME ELEVATIONS

JOB NO. 9290.006

Date: SEP 23, 2022

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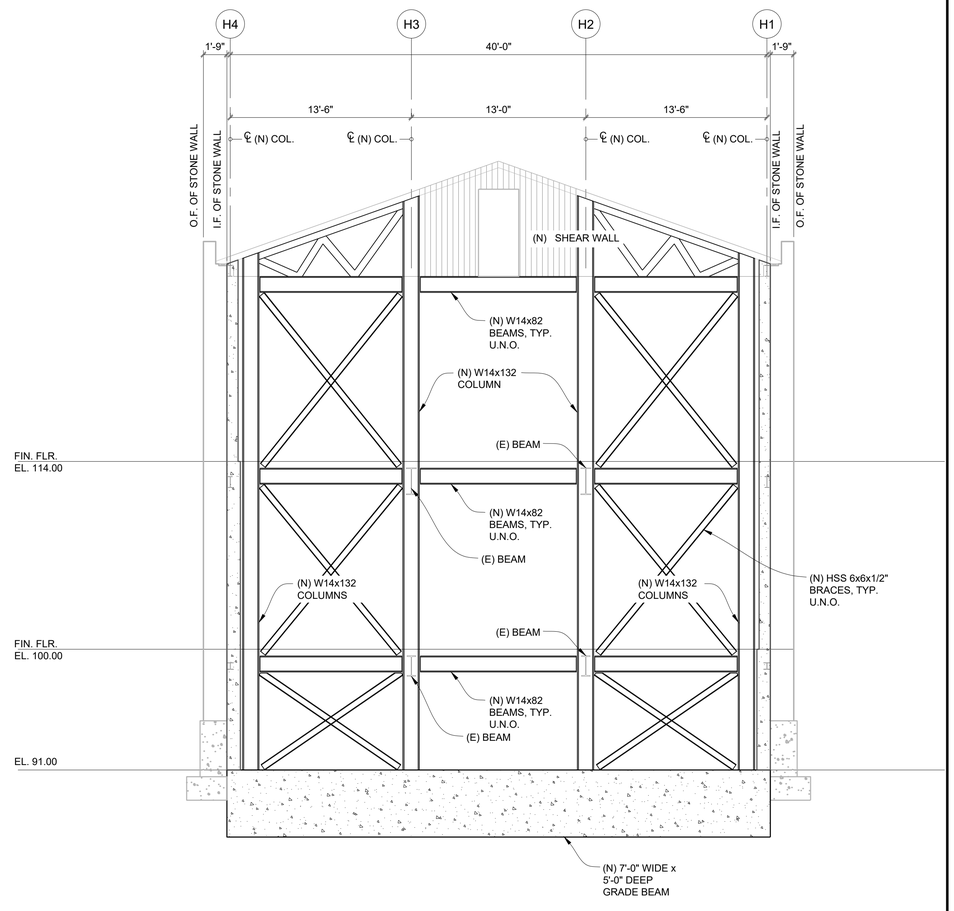
SH3.0



1 SH3.1

NEW ELEVATION @ GRID HB

SCALE: 3/16"=1-0"



2 SH3.1

NEW ELEVATION @ GRID HE

SCALE: 3/16"=1-0"

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CARSON CITY, NV 89701

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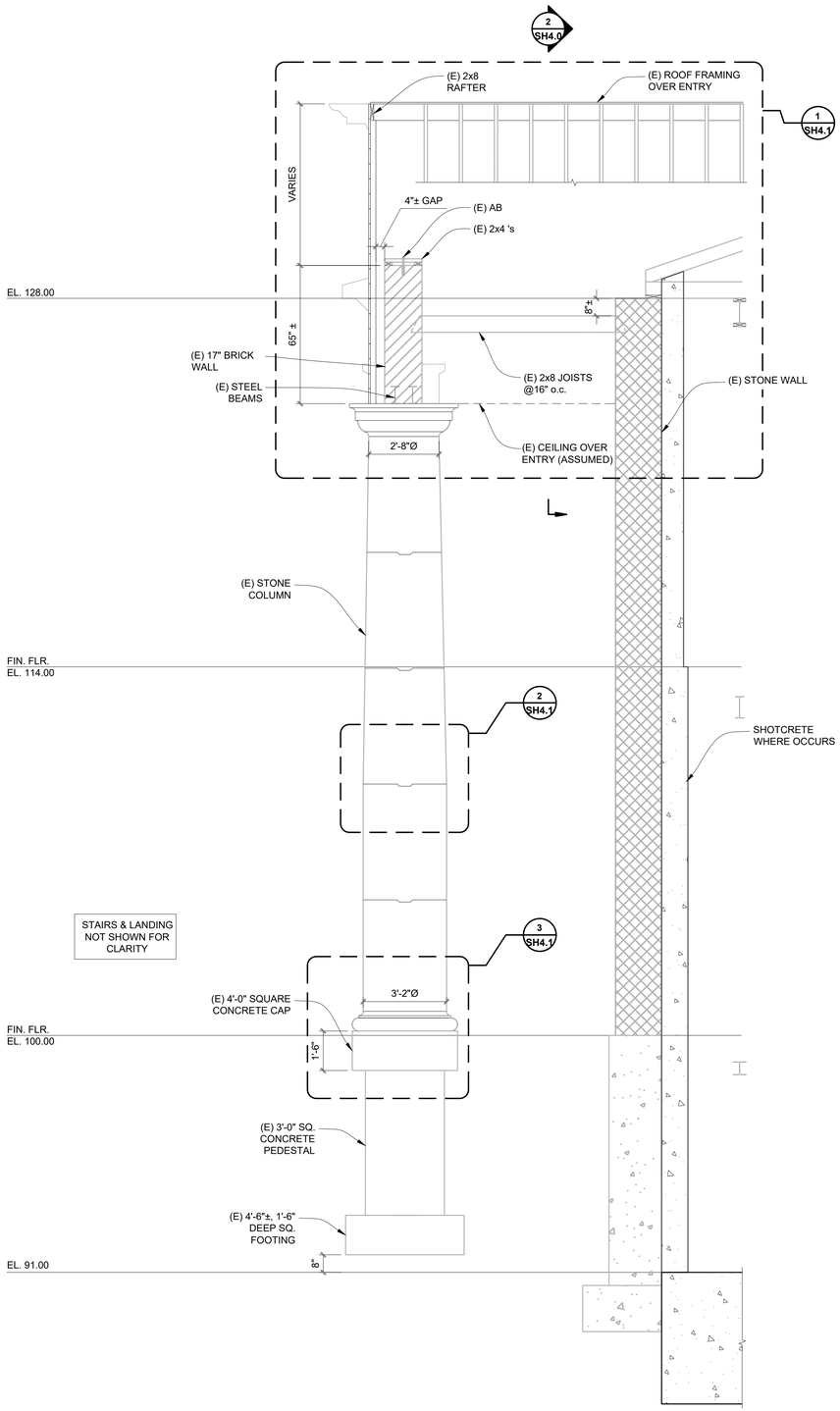
NEW FRAME ELEVATIONS

JOB NO. 9290.006

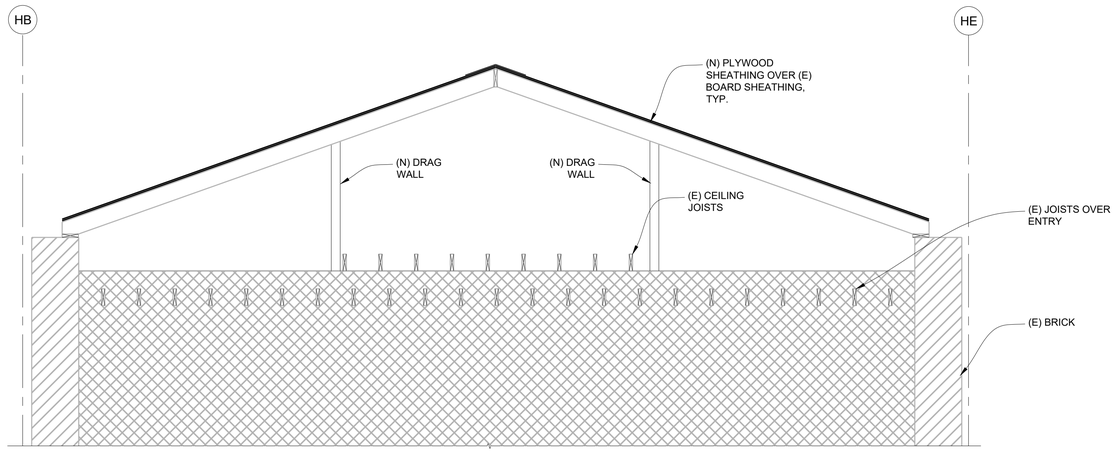
Date: SEP 23, 2022

Sheet No:

SH3.1



1 SH4.0 **SECTION AT MAIN ENTRY**
SCALE: 3/8"=1'-0"



2 SH4.0 **SECTION AT MAIN ENTRY**
SCALE: 3/8"=1'-0"

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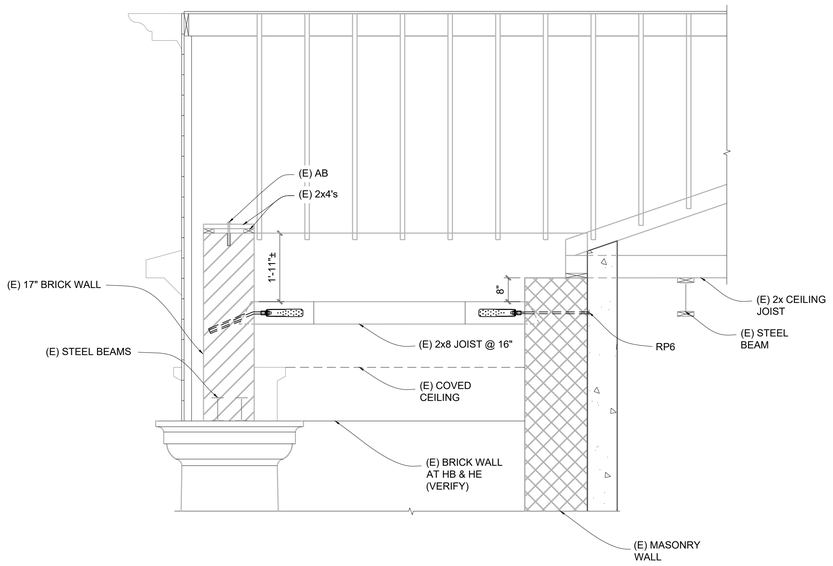
ENTRY ANCHORAGE DETAILS

JOB NO. 9290.006

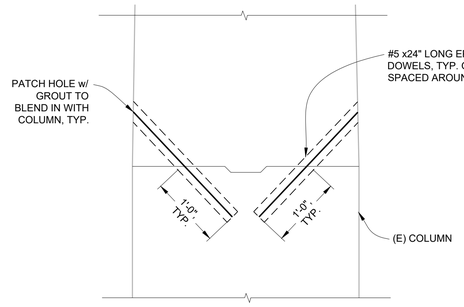
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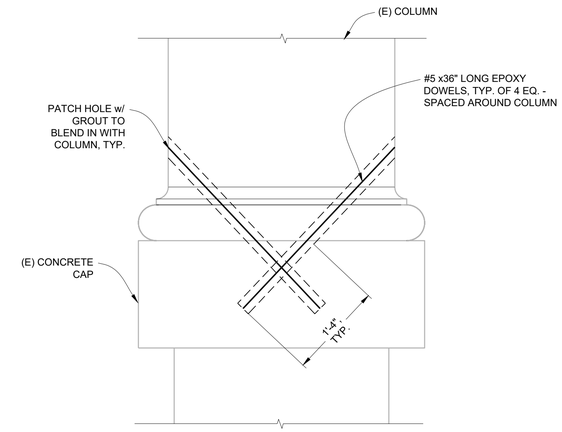
SH4.0



1 SH4.1 **TOP OF STONE COLUMN DETAIL**
SCALE: 1/2"=1'-0"



2 SH4.1 **COLUMN DETAIL AT MAIN ENTRY**
SCALE: 1"=1'-0"



3 SH4.1 **COLUMN DETAIL AT MAIN ENTRY**
SCALE: 1"=1'-0"

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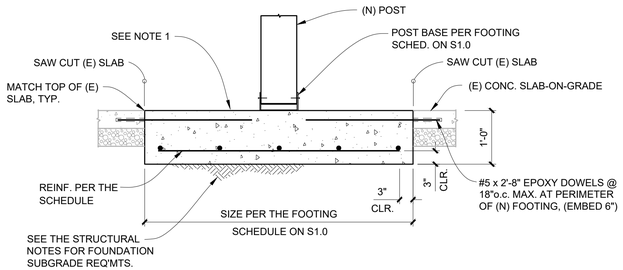
ENTRY ANCHORAGE DETAILS

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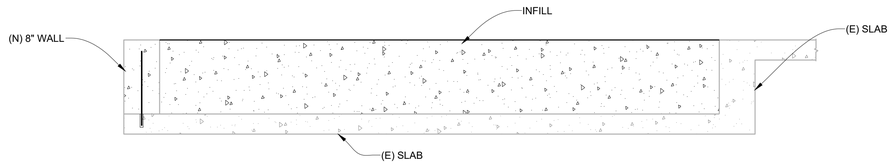
SH4.1



(N) FOOTING DETAIL

1 / SH5.0 — SCALE: 3/4"=1'-0"

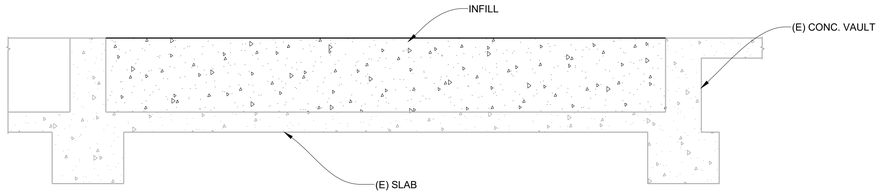
NOTES: 1. FINISH EXPOSED SURFACE TO MATCH FINISH OF (E) SLAB. COORDINATE AS REQ'D. WITH THE ARCHITECT.



(N) CONCRETE SLAB DETAIL

3 / SH5.0 — SCALE: 3/4"=1'-0"

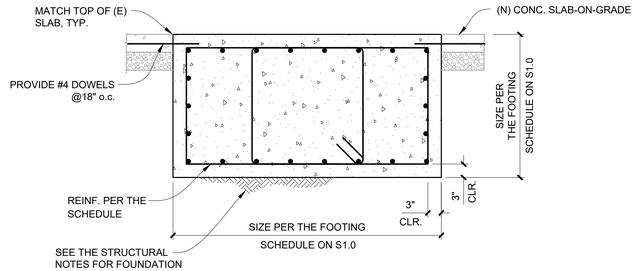
NOTES: 1. FINISH EXPOSED SURFACE TO MATCH FINISH OF (E) SLAB. COORDINATE AS REQ'D. WITH THE ARCHITECT.



ELECTRICAL ROOM CONCRETE INFILL DETAIL

2 / SH5.0 — SCALE: 3/4"=1'-0"

NOTES: 1. FINISH EXPOSED SURFACE TO MATCH FINISH OF (E) SLAB. COORDINATE AS REQ'D. WITH THE ARCHITECT.



GRADE BEAM DETAIL

4 / SH5.0 — SCALE: 3/4"=1'-0"

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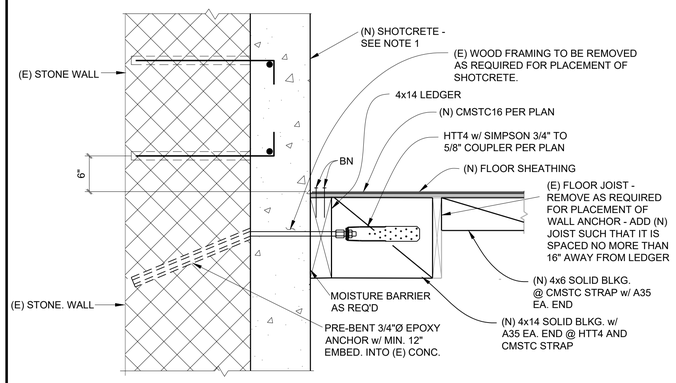
FOUNDATION DETAILS

JOB NO. 9290.006

Date: SEP 23, 2022

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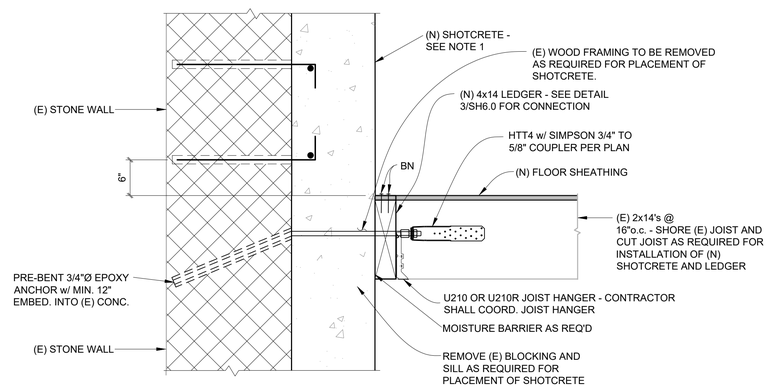
SH5.0



TYPICAL FLOOR TO WALL CONNECTION - PARALLEL CONDITION

1 SH6.0 — SCALE: 1"=1'-0"

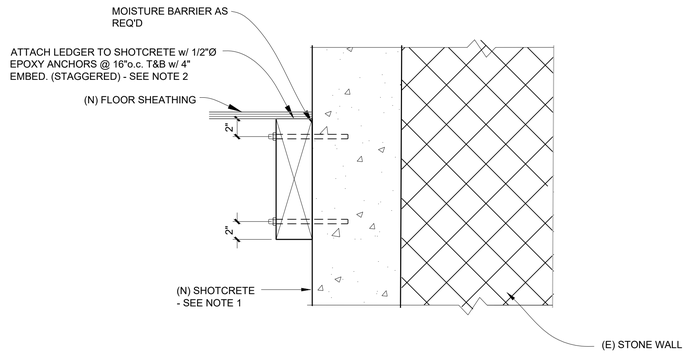
NOTES: 1. SEE SH2.0 FOR ADDITIONAL SHOTCRETE REINFORCEMENT NOT SHOWN.



TYPICAL FLOOR TO WALL CONNECTION - PERPENDICULAR CONDITION

2 SH6.0 — SCALE: 1"=1'-0"

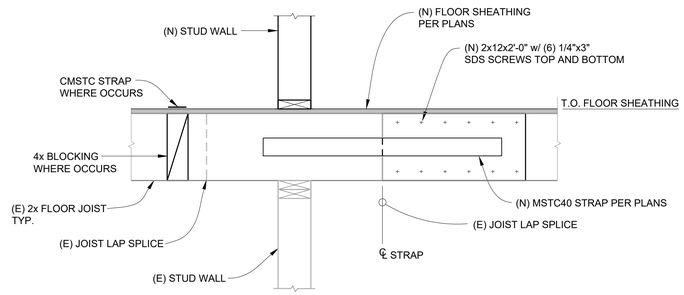
NOTES: 1. SEE SH2.0 FOR ADDITIONAL SHOTCRETE REINFORCEMENT NOT SHOWN.



LEDGER TO SHOTCRETE CONNECTION

3 SH6.0 — SCALE: 1 1/2"=1'-0"

NOTES: 1. (N) SHOTCRETE REINF. NOT SHOWN FOR CLARITY - SEE SH2.0.
2. DO NOT CUT REINFORCING.



STRAP AT FLOOR DETAIL

4 SH6.0 — SCALE: 1"=1'-0"

NOTES: 1. THIS IS AN ASSUMED CONDITION. NOTIFY ENGINEER IF THIS IS NOT THE CASE.

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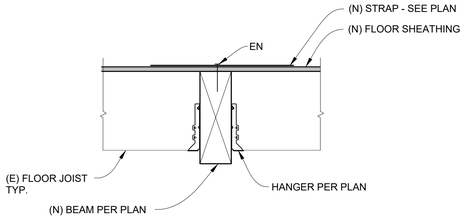
HEROES FLOOR ANCHORAGE & DRAG DETAILS

JOB NO. 9290.006

Date: SEP 23, 2022

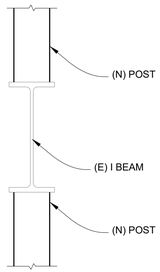
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SH6.0



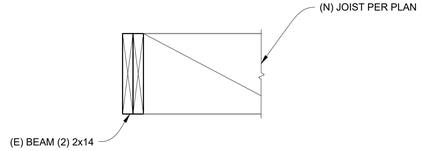
1 SH6.1 **(E) JOIST TO (N) BEAM DETAIL**

SCALE: 1"=1'-0"



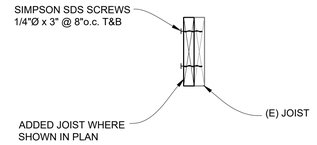
2 SH6.1 **(N) POST @ (E) BEAM DETAIL**

SCALE: 1"=1'-0"



3 SH6.1 **(N) JOIST TO (E) BEAM DETAIL**

SCALE: 1"=1'-0"



4 SH6.1 **SISTERING DETAIL**

SCALE: 1"=1'-0"

NOTES: 1. USE SIMILAR DETAIL WHERE CUT JOISTS OCCUR. COORDINATE w/ ENGINEER.

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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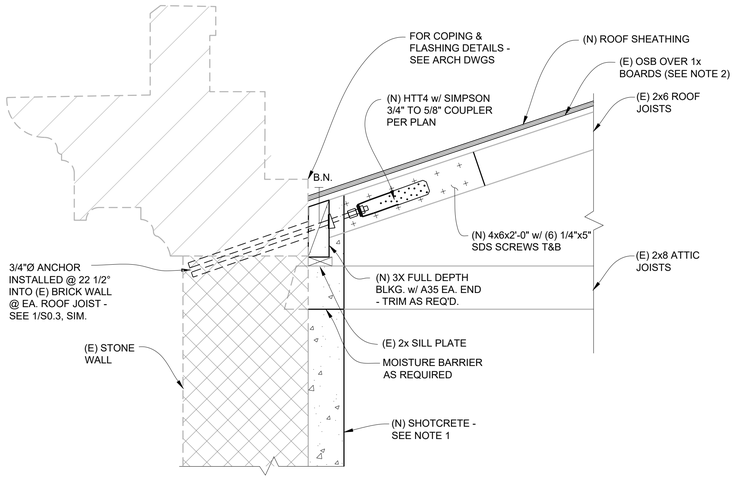
HEROES FLOOR POST/BEAM DETAILS

JOB NO. 9290.006

Date: SEP 23, 2022

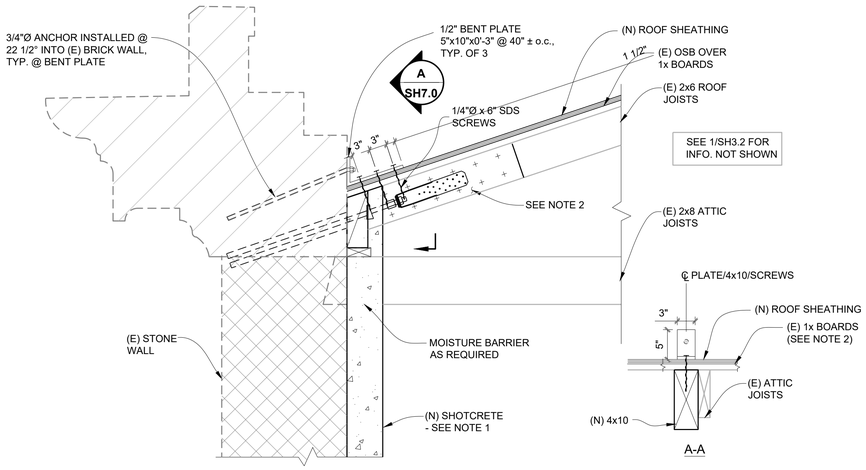
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SH6.1



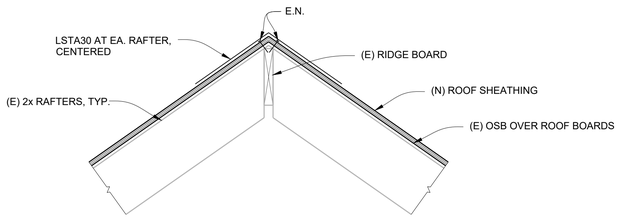
1 SH7.0 **ROOF TO WALL CONNECTION DETAIL**
SCALE: 1"=1'-0"

NOTES: 1. SHOTCRETE REINF. NOT SHOWN FOR CLARITY - SEE SH2.0 FOR SHOTCRETE REQUIREMENTS.
2. REMOVE (E) OSB & 1x BOARDS AS REQUIRED. REPLACE w/ (N) ROOF SHEATHING TO MATCH (E) THICKNESS - SEE ROOF SHEATHING OVERLAY NOTE ON SH1.4 FOR NAILING REQUIREMENTS



2 SH7.0 **PARAPET BRACE DETAIL**
SCALE: 1"=1'-0"

NOTES: 1. SHOTCRETE REINF. NOT SHOWN - SEE S2.0 FOR SHOTCRETE REQUIREMENTS.
2. EXISTING CRICKET FRAMING TO BE REMOVED AS REQUIRED FOR PLACEMENT OF (N) FRAMING.



3 SH7.0 **SHEATHING @ RIDGE DETAIL**
SCALE: 1"-1'-0"

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HEROES MEMORIAL BUILDING & ANNEX

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SPWD Project No. 21-P02

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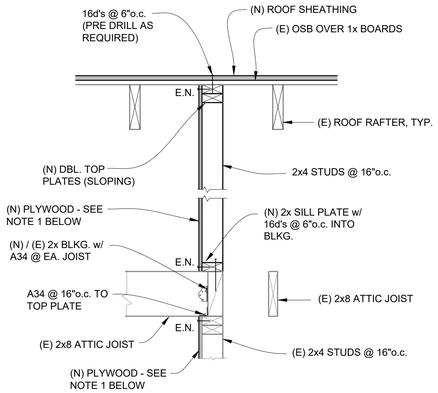
Sheet Title
HEROES ATTIC/ROOF SHEAR WALL & WALL ANCHORAGE DETAILS

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

SH7.0



1
SH7.1

CROSSWALL DETAIL

SCALE: 1"-1'-0"

NOTES: 1. PLYWOOD SHALL BE 15/32 APA CDX PLYWOOD WITH 10d COMMON NAILS AT 6"o.c. EDGE (E.N.) AND WITH 10d COMMON NAILS @ 12"o.c. FIELD.
2. THIS IS AN ASSUMED CONDITION. CONTACT ENGINEER IF THIS IS NOT THE CASE.

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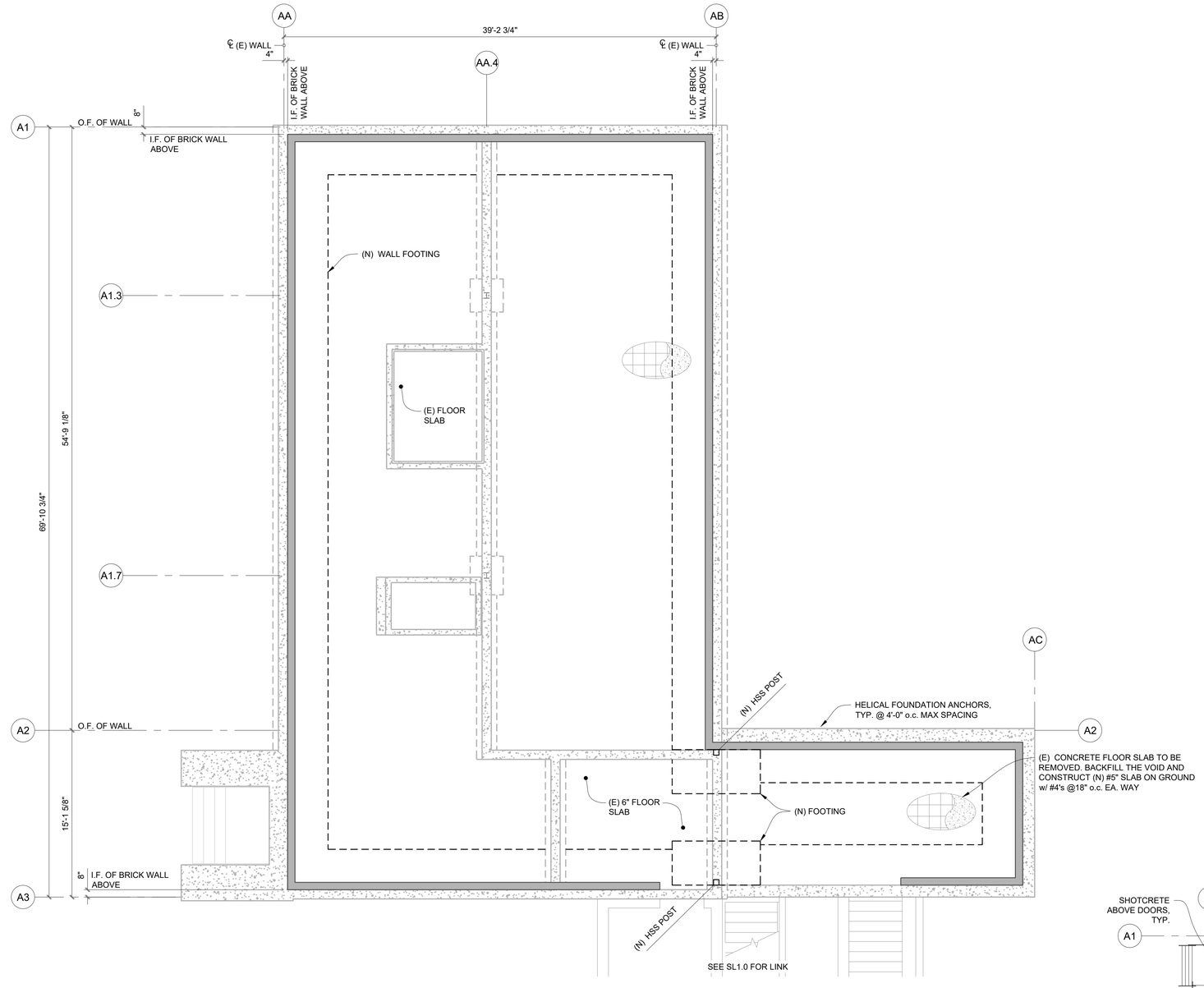
HEROES FOUNDATION & MISCELLANEOUS DETAILS

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

SH7.1



1 SA1.0 ANNEX FOUNDATION / FIRST FLOOR PLAN

SCALE: 3/16"=1'-0"

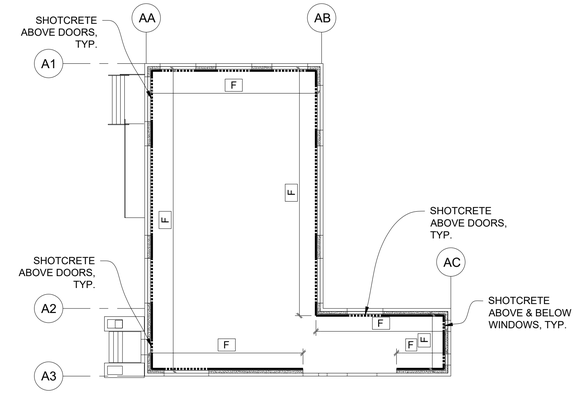
NOTES:
1. SEE SHEET S0.2 FOR TYPICAL CONCRETE DETAILS.
2. WALLS SHOWN ON THIS SHEET ARE ABOVE THE FLOOR SLAB.
3. SEE ARCH. FOR LOCATION & LAYOUT OF ALL WALLS NOT SHOWN.
4. REMOVE AND REBUILD WALLS AS REQUIRED. CONTRACTOR SHALL MATCH EXISTING CONSTRUCTION.

FOOTING SCHEDULE

MARK	WIDTH "W"	LENGTH "L"	THICKNESS "t"	REINFORCING	POST BASE	COMMENTS
F-1	8'-0"	8'-0"	12"	#7's @ 12" o.c. EA. WAY T&B		
F-2						
F-3						

LEGEND

- (E) CONCRETE
- (E) FOOTING
- (N) SHOTCRETE WALL APPLIED TO (E) CONCRETE WALL
- (N) HELICAL FOUNDATION ANCHORS



LEVEL 1 SHOTCRETE LAYOUT PLAN

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Project

HEROES MEMORIAL BUILDING & ANNEX

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CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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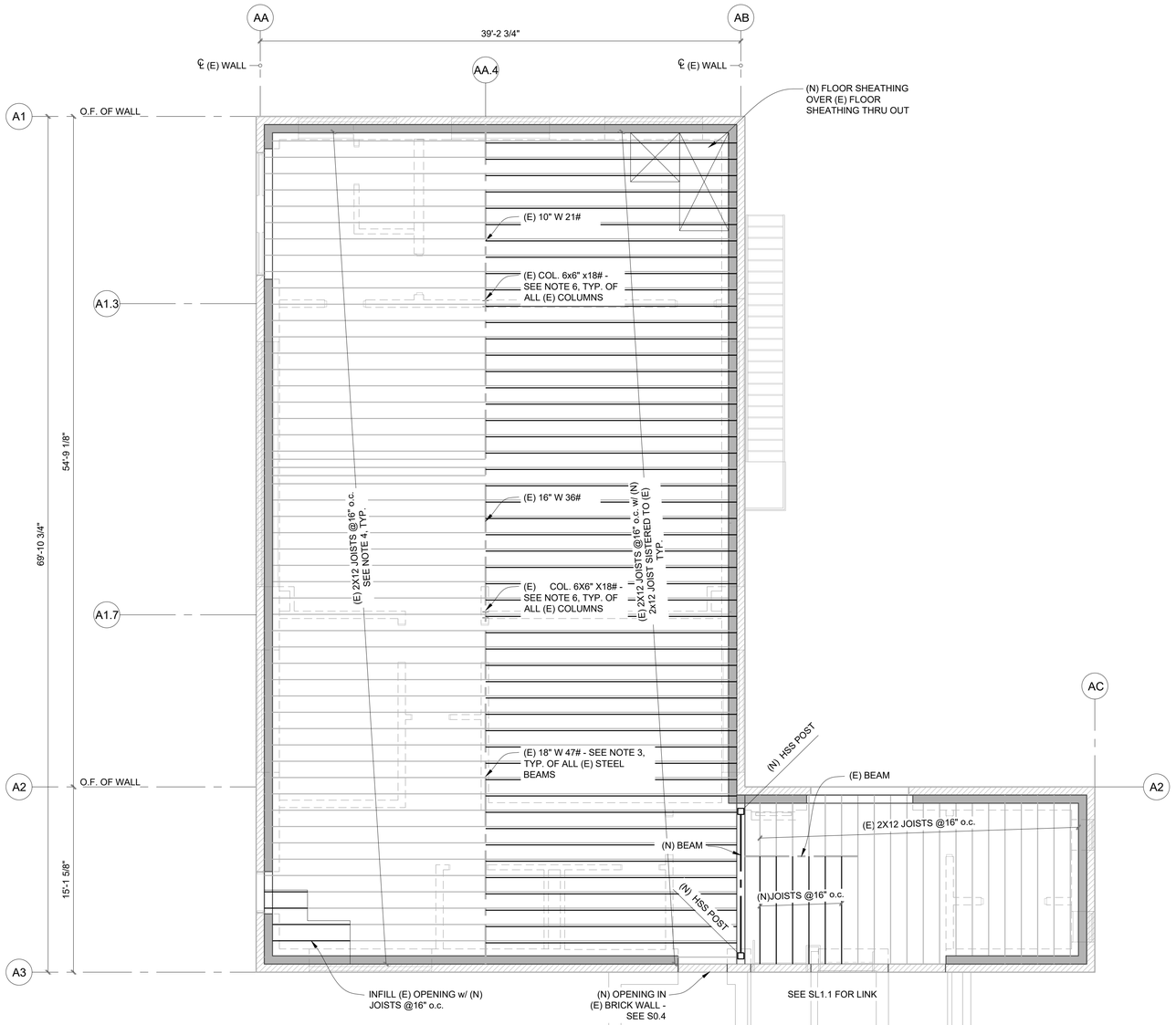
ANNEX FOUNDATION / FIRST FLOOR PLAN

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

SA1.0



1 SA1.1

ANNEX 2ND LEVEL FRAMING PLAN

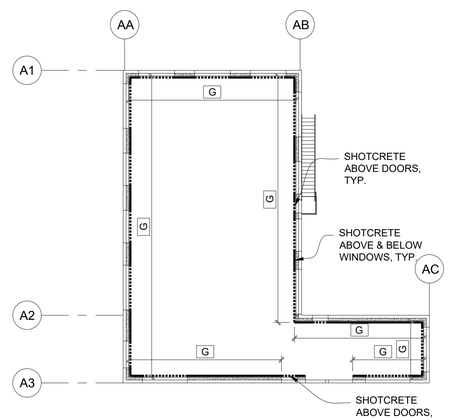
SCALE: 3/16"=1'-0"

NOTES:
1. WALLS SHOWN ON THIS SHEET ARE BELOW THE FLOOR LEVEL.
2. SEE ARCH. DRAWINGS FOR LOCATION & LAYOUT OF ALL WALLS NOT SHOWN.
3. (E) STEEL BEAMS TO BE STRENGTHENED w/ 1" STEEL PLATE WELDED TO BOTTOM OF (E) BEAM & 2x4 TUBES BELOW TOP FLANGE ON EA. SIDE, TYP.
4. ORIGINAL ANNEX ROOF BELOW (E) 2x12 FLOOR JOIST TO REMAIN.
5. SEE SA1.3 FOR WALL ANCHOR LAYOUT.
6. (E) STEEL COLUMNS TO BE STRENGTHENED w/ 1" STEEL PLATES OUTSIDE BOTH FLANGES, TYP.



LEGEND

- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (N) BEAMS
- (E) BEAMS
- (N) SHOTCRETE WALL APPLIED TO (E) BRICK WALL



LEVEL 2 SHOTCRETE LAYOUT PLAN

N.T.S.

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HEROES MEMORIAL BUILDING & ANNEX

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CARSON CITY, NV 89701

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NEVADA STATE PUBLIC WORKS DIVISION

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SPWD Project No. 21-P02

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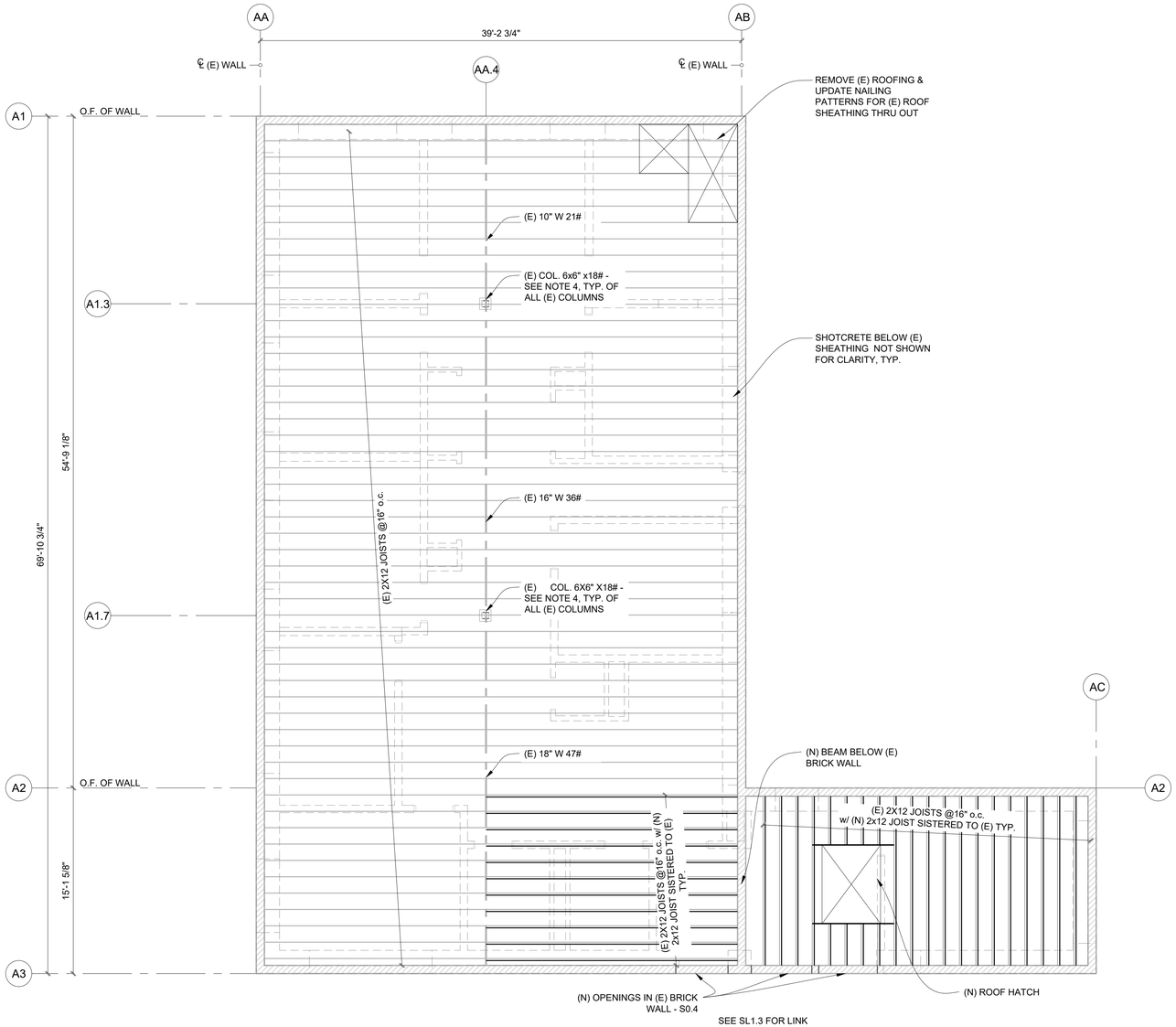
Sheet Title
ANNEX 2ND LEVEL FRAMING PLAN

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

SA1.1



1 SA1.2 ANNEX ROOF FRAMING PLAN

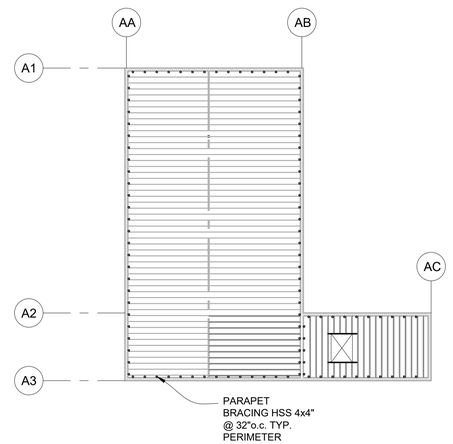
SCALE: 3/16"=1'-0"

NOTES:
1. WALLS SHOWN ON THIS SHEET ARE BELOW THE FLOOR LEVEL.
2. SEE ARCH. DRAWINGS FOR LOCATION & LAYOUT OF WALLS NOT SHOWN.
3. SEE SA1.3 FOR WALL ANCHOR LAYOUT.
4. (E) STEEL COLUMNS TO BE STRENGTHENED w/ 1" STEEL PLATES OUTSIDE BOTH FLANGES, TYP.



LEGEND

- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (E) BEAMS
- (N) BEAMS



PARAPET BRACING PLAN

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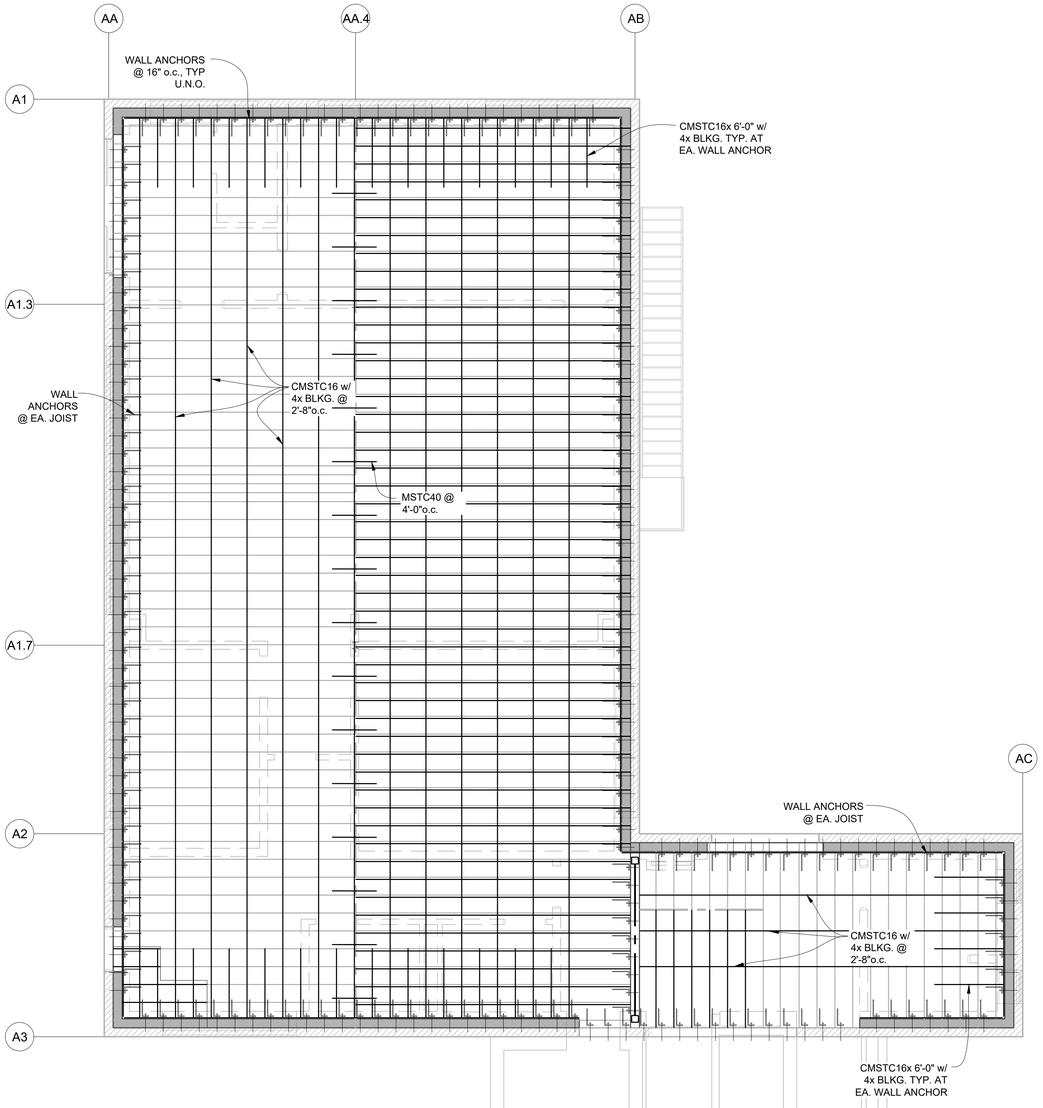
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ANNEX ROOF FRAMING PLAN

JOB NO. 9290.006

Date: SEP 23, 2022

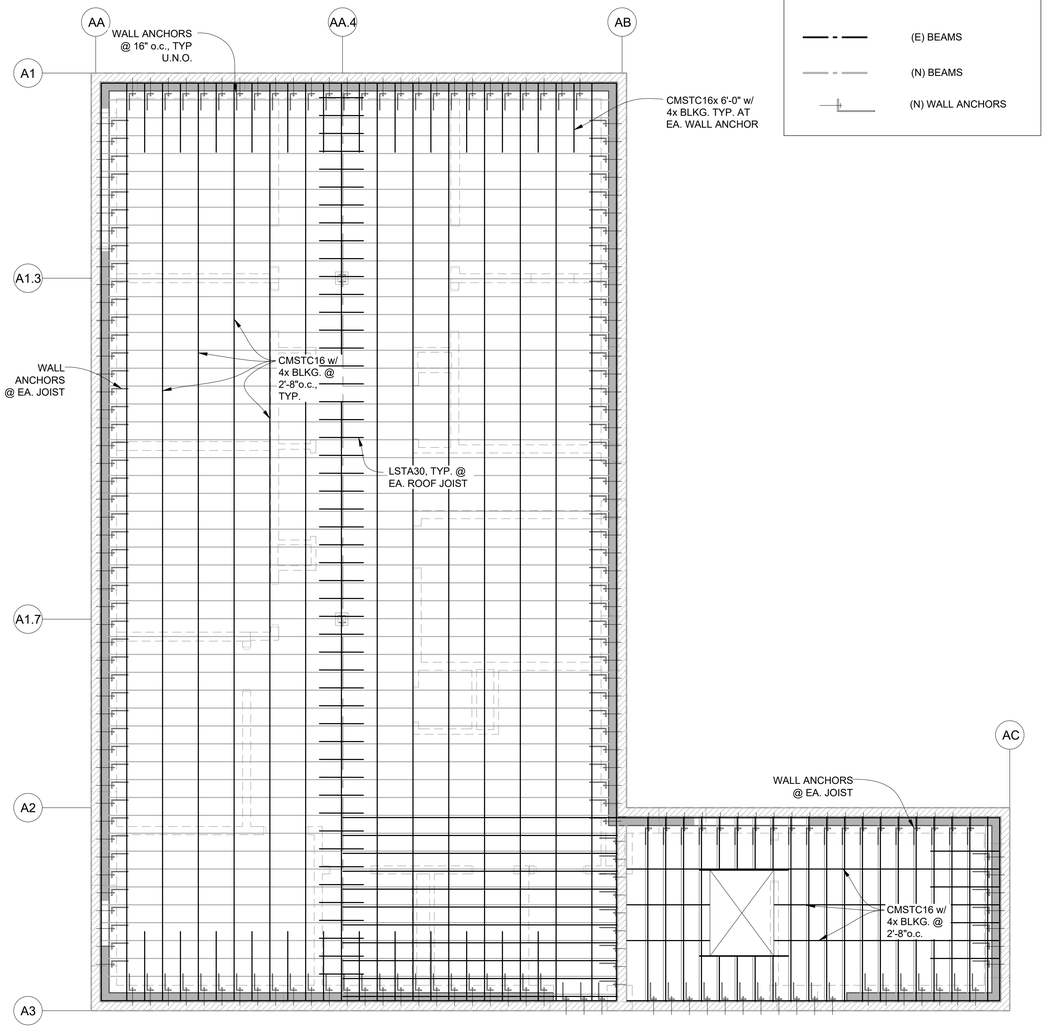
Sheet No:

SA1.2



1 SA1.3 **ANNEX 2ND LEVEL WALL ANCHOR LAYOUT**

SCALE: 3/16"=1'-0"



2 SA1.3 **ANNEX ROOF WALL ANCHOR LAYOUT**

SCALE: 3/16"=1'-0"

LEGEND

- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (E) BEAMS
- (N) BEAMS
- (N) WALL ANCHORS

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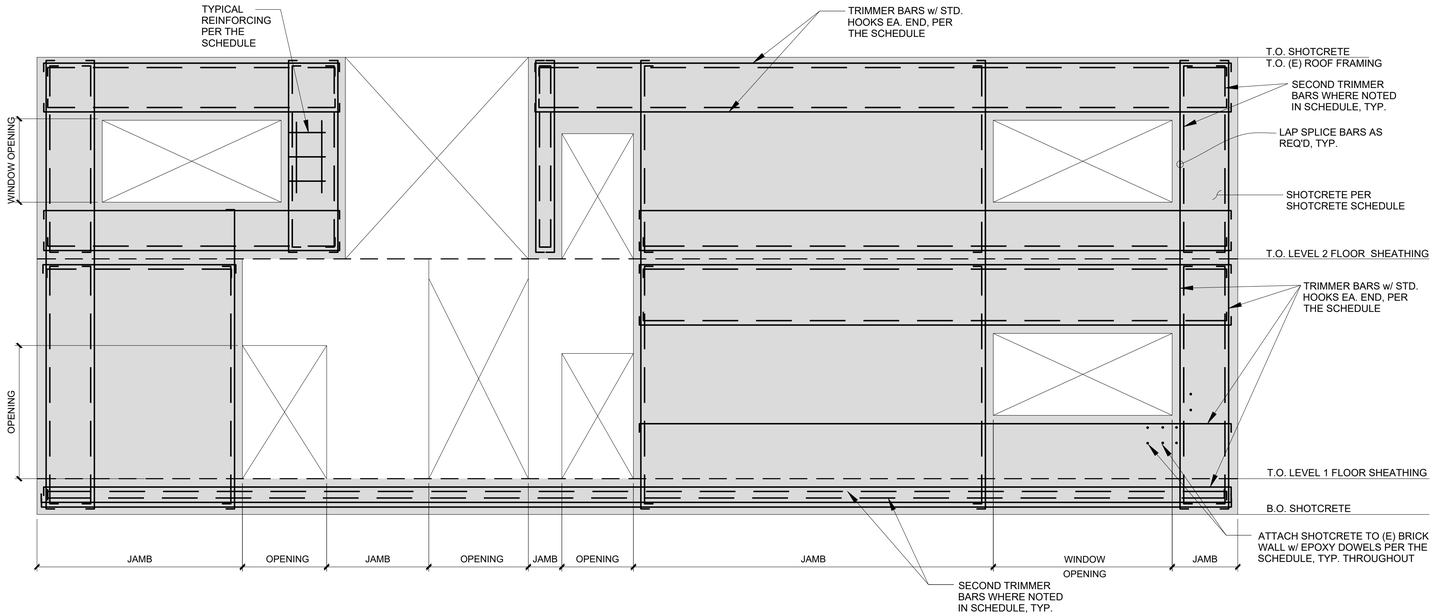
ANNEX WALL ANCHOR LAYOUT

JOB NO. 9290.006

Date: SEP 23, 2022

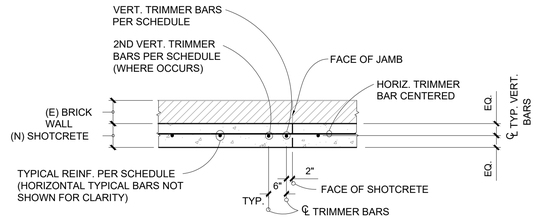
Sheet No:

SA1.3



1 SA2.0 **EAST SHOTCRETE WALL REINFORCING AT GRID A3**

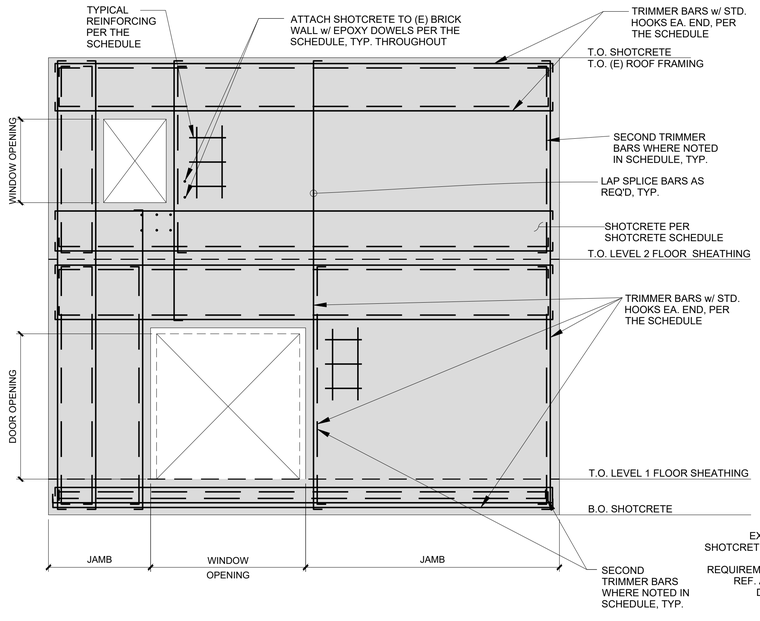
SCALE: N.T.S.



2 SA2.0 **TYPICAL TRIMMER BAR LAYOUT**

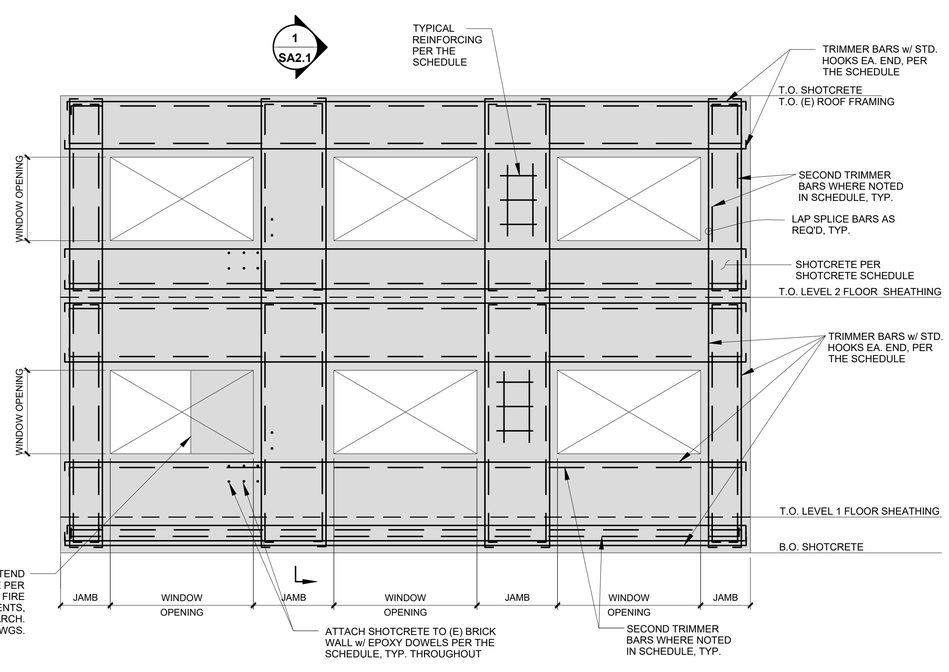
SCALE: N.T.S.

NOTES: 1. TRIMMER BARS REPLACE TYPICAL BARS WHEN OCCURING AT THE SAME LOCATION
2. SHOTCRETE TO BRICK WALL ANCHORS NOT SHOWN.



2 SA2.0 **WEST SHOTCRETE WALL REINFORCING AT GRID A2**

SCALE: N.T.S.



3 SA2.0 **WEST SHOTCRETE WALL REINFORCING AT GRID A1**

SCALE: N.T.S.

SHOTCRETE SCHEDULE

MARK	MIN. THICKNESS	TYP. REINFORCING	VERT. TRIMMER BARS	2ND VERT. TRIMMER BARS	TOP OF WALL HORIZ. TRIMMER BARS w/ STD. HOOK EA. END	2ND TOP OF WALL HORIZ. TRIMMER BAR w/ STD. HOOK EA. END	BOT. OF WALL HORIZ. TRIMMER BARS w/ STD. HOOK EA. END	BOT. 2ND TOP OF WALL HORIZ. TRIMMER BARS w/ STD. HOOK EA. END	EPOXY DOWELS AT SHOTCRETE TO (E) BRICK	NOTES
F	8"	#6's @ 10"o.c. EA. WAY	#6	-	#6	#6	#6	#6	#5's @ 24"o.c.	
G	8"	#6's @ 10"o.c. EA. WAY	#6	-	#6	#6	#6	#6	#5's @ 24"o.c.	

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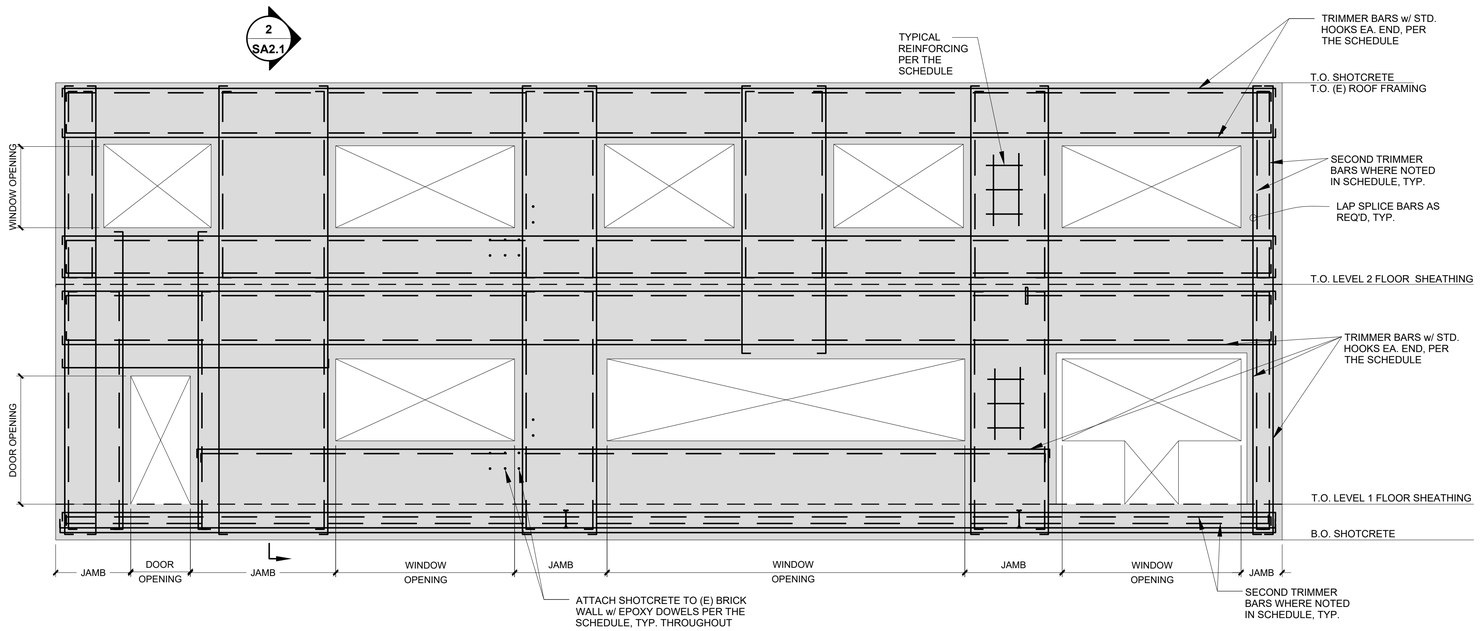
ANNEX SHOTCRETE SCHEDULE, WALL ELEVATIONS & DETAILS

JOB NO. 9290.006

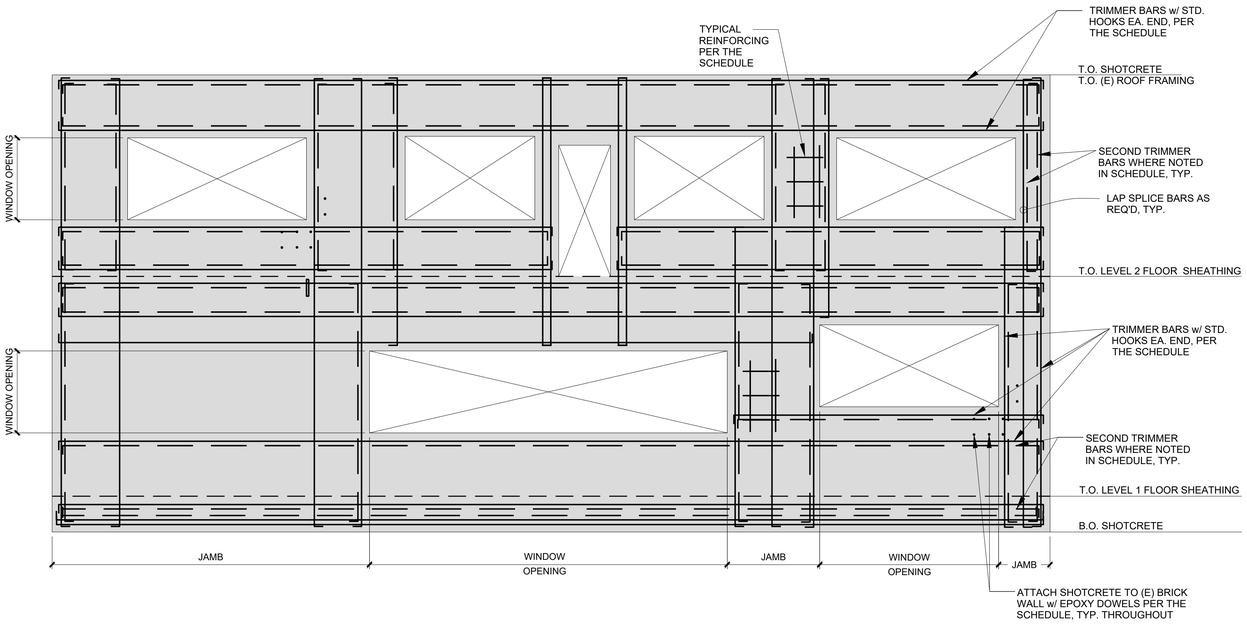
Date: SEP 23, 2022

Sheet No:

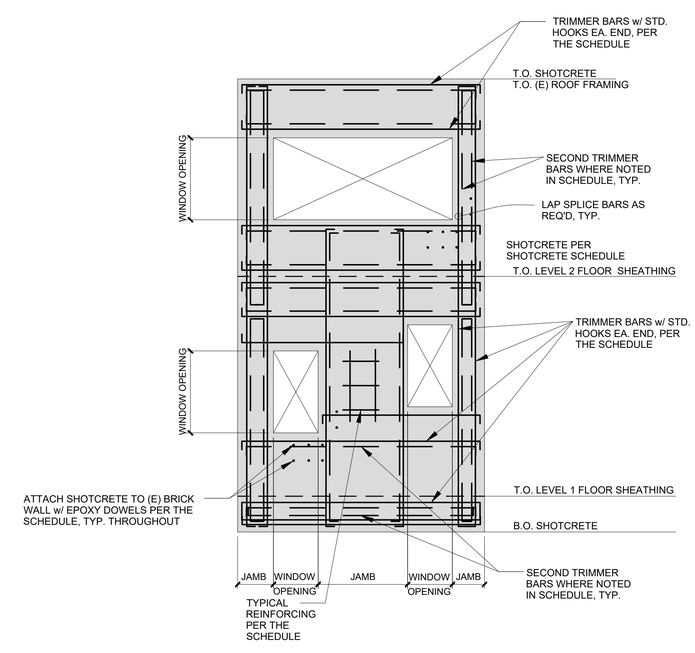
SA2.0



1 SA2.1 **SOUTH SHOTCRETE WALL REINFORCING AT GRID AA**
SCALE: N.T.S.



2 SA2.1 **NORTH SHOTCRETE WALL REINFORCING AT GRID AB**
SCALE: N.T.S.



3 SA2.1 **NORTH SHOTCRETE WALL REINFORCING AT GRID AC**
SCALE: N.T.S.

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

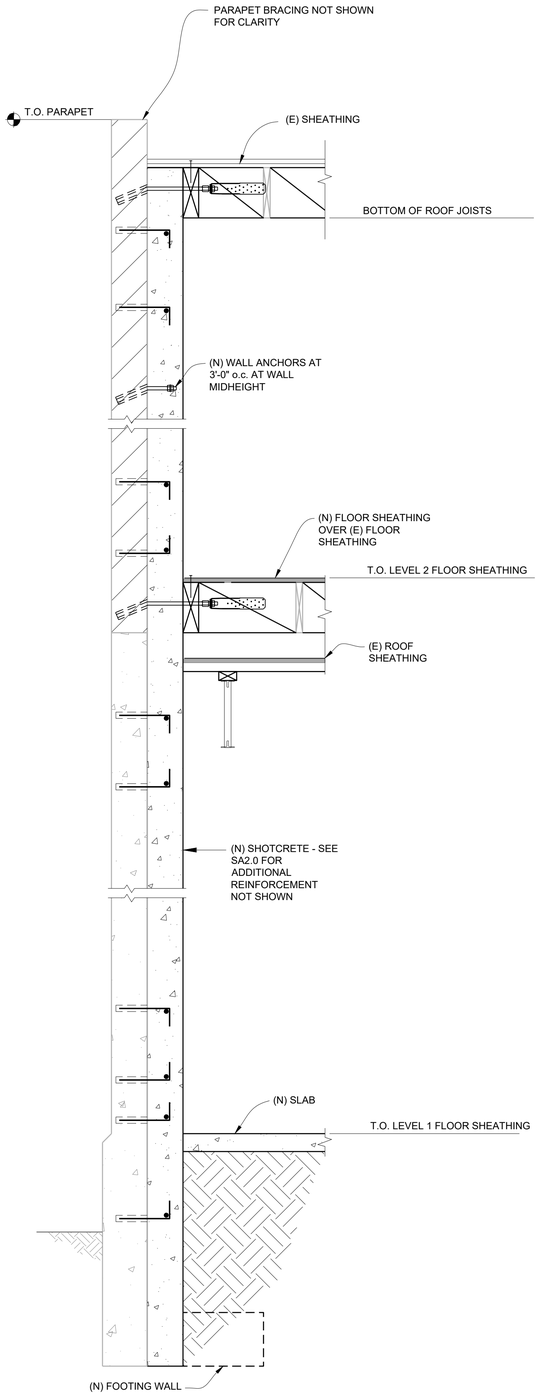
ANNEX WALL ELEVATIONS

JOB NO. 9290.006

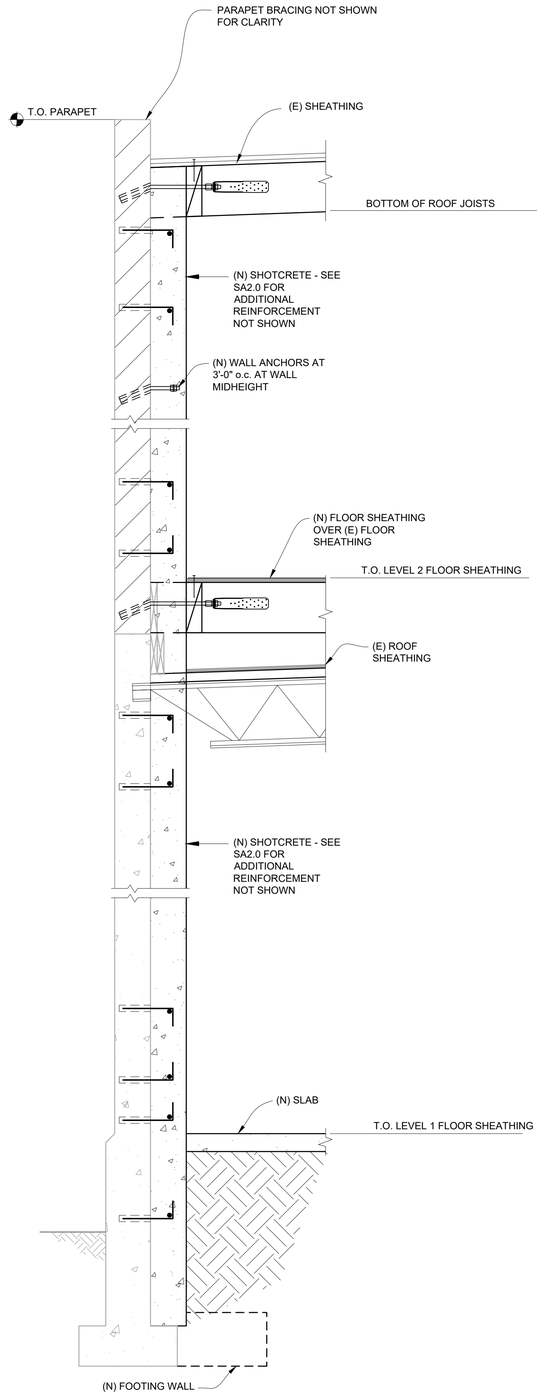
Date: SEP 23, 2022

Sheet No:

SA2.1



1 SA2.2 **ANNEX WEST WALL SECTION**
SCALE: 3/4"=1'-0"



2 SA2.2 **ANNEX SOUTH WALL SECTIONS**
SCALE: 3/4"=1'-0"

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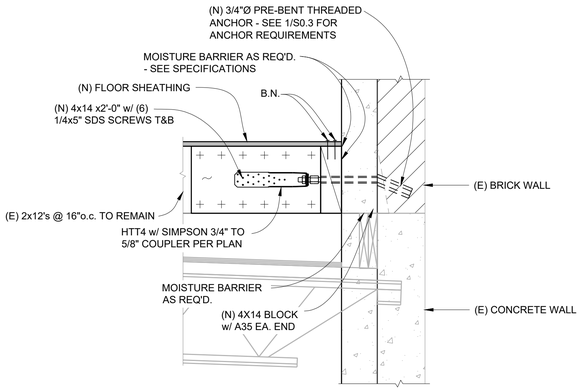
ANNEX WALL SECTIONS

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

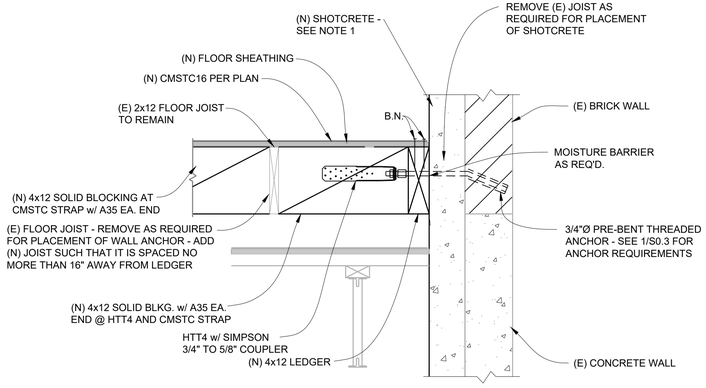
SA2.2



TYPICAL LEVEL 2 FLOOR FRAMING PERPENDICULAR TO WALL CONNECTION

1 SA3.0 — SCALE: 1"=1'-0"

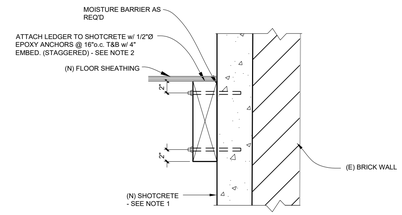
NOTES: 1. SHOTCRETE REINF. NOT SHOWN FOR CLARITY - SEE SA2.0.



TYPICAL LEVEL 2 FLOOR FRAMING PARALLEL TO WALL CONNECTION

2 SA3.0 — SCALE: 1"=1'-0"

NOTES: 1. SHOTCRETE REINF. NOT SHOWN FOR CLARITY - SEE SA2.0.



LEDGER TO SHOTCRETE CONNECTION

3 SA3.0 — SCALE: 1 1/2"=1'-0"

NOTES: 1. (N) SHOTCRETE REINF. NOT SHOWN FOR CLARITY - SEE SA2.0.
2. DO NOT CUT REINFORCING.

STRAP AT FLOOR DETAIL

4 SA3.0 — SCALE: 1"=1'-0"

NOTES: 1. THIS IS AN ASSUMED CONDITION. NOTIFY ENGINEER IF THIS IS NOT THE CASE.

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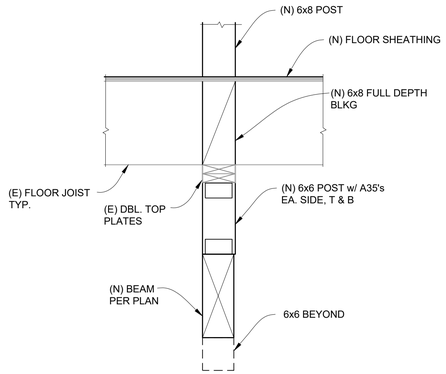
ANNEX FLOOR ANCHORAGE & DRAG DETAILS

JOB NO. 9290.006

Date: SEP 23, 2022

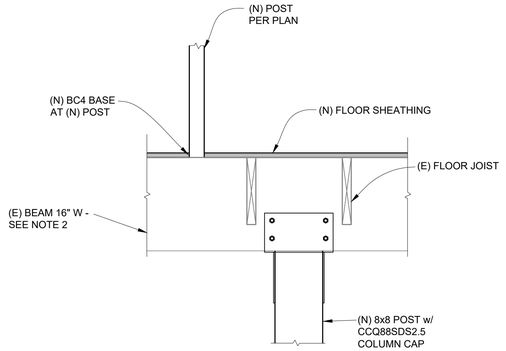
Sheet No:

SA3.0



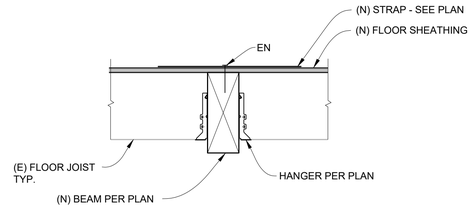
1 SA3.1 **(N) POST TO HEADER DETAIL**

SCALE: 1"=1'-0"



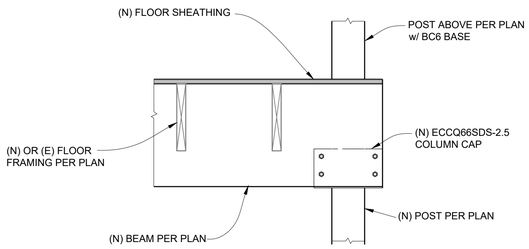
2 SA3.1 **(E) BEAM TO (N) POST DETAIL**

SCALE: 1"=1'-0"



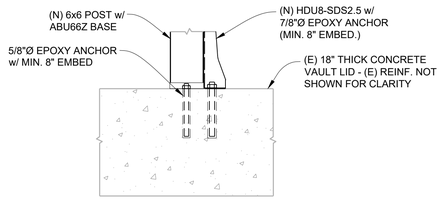
3 SA3.1 **(E) JOIST TO (N) BEAM DETAIL**

SCALE: 1"=1'-0"



4 SA3.1 **(N) BEAM TO (N) POST DETAIL**

SCALE: 1"=1'-0"



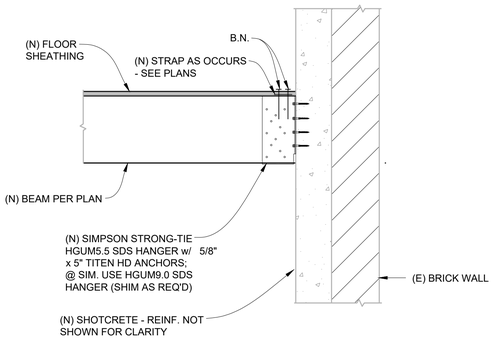
5 SA3.1 **(N) POST @ (E) CONCRETE VAULT LID**

SCALE: 1"=1'-0"

NOTES: 1. DO NOT CUT (E) CONCRETE REINFORCEMENT CONTACT ENGINEER IF THIS IS NOT THE CASE

NOTES: 1. DETAIL IS BASED ON ASSUMED CONDITIONS. NOTIFY STRUCTURAL ENGINEER IF DIFFERENT THAN SHOWN.

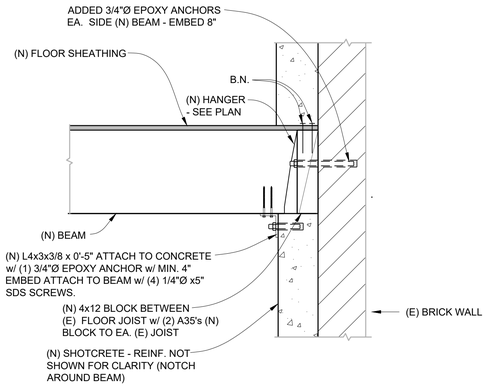
2. SHORE (E) BEAM TO A LEVEL CONDITION PRIOR TO INSTALLATION OF NEW POST.



6 SA3.1 **TYPICAL CONNECTION OF (N) BEAM TO WALL**

SCALE: 1"=1'-0"

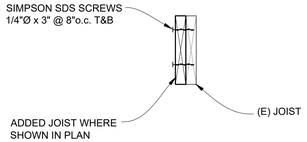
NOTES: (N) LEDGER IS NOT SHOWN FOR CLARITY.



7 SA3.1 **CONNECTION OF (N) BEAM TO (E) BRICK WALL**

SCALE: 1"=1'-0"

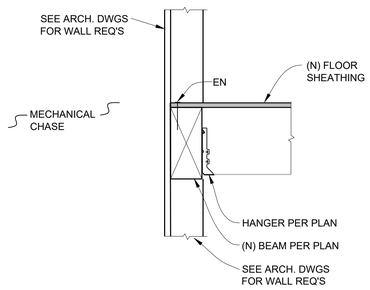
NOTES: 1. THIS IS AN ASSUMED CONDITION, NOTIFY ENGINEER IF THIS IS NOT THE CASE.



8 SA3.1 **SISTERING DETAIL**

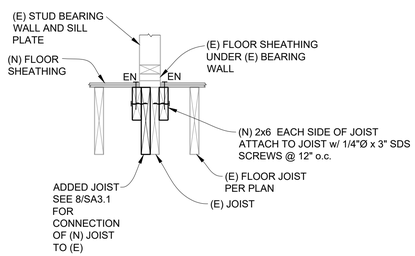
SCALE: 1"=1'-0"

NOTES: 1. USE SIMILAR DETAIL WHERE CUT JOISTS OCCUR. COORDINATE w/ ENGINEER.



9 SA3.1 **DETAIL AT MECHANICAL CHASE**

SCALE: 1"=1'-0"



10 SA3.1 **(N) JOIST AT EXIST. WALL DETAIL**

SCALE: 1"=1'-0"

NOTES: 1. THIS IS AN ASSUMED CONDITION. NOTIFY ENGINEER IF THIS IS NOT THE CASE

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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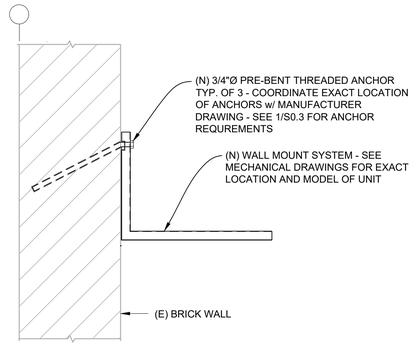
ANNEX ROOF ANCHORAGE & PARAPET BRACING DETAILS

LMS NO. 9290.006

Date: SEP 23, 2022

Sheet No:

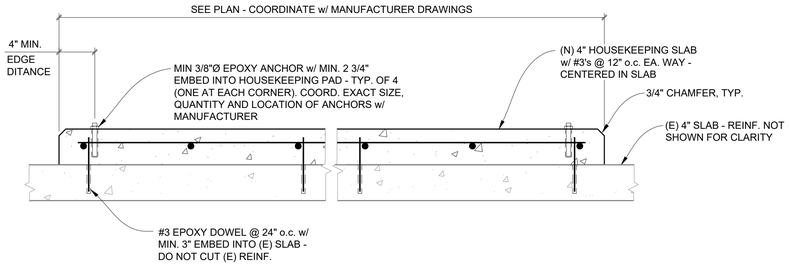
SA3.1



COMPRESSOR UNIT MOUNTING DETAIL

1 / SA3.2 — SCALE: 1"-1'-0"

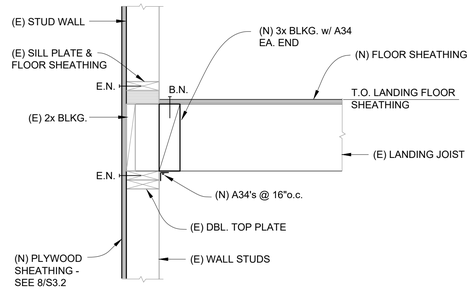
NOTES: 1. DESIGN OF ANCHORAGE BASED ON MAXIMUM UNIT WEIGHT = 500 LBS.



(N) HOUSEKEEPING PAD DETAIL

2 / SA3.2 — SCALE: 1 1/2"=1'-0"

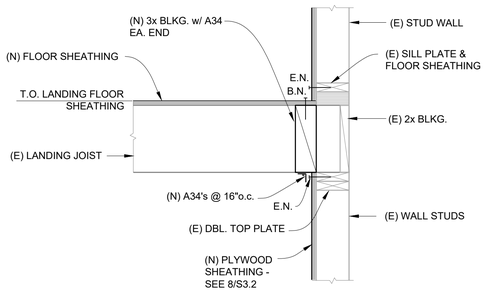
NOTES: 1. DESIGN OF HOUSEKEEPING PAD AND ANCHORS BASED ON MAX. UNIT WEIGHT = 3,000 LBS.



WALL SHEATHING @ STAIR LANDING

3 / SA3.2 — SCALE: 1"=1'-0"

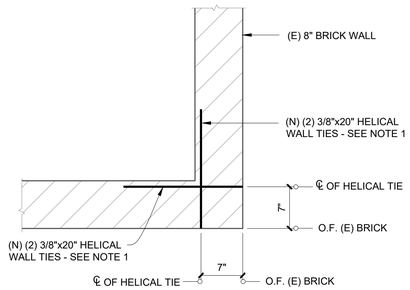
NOTES: 1. THIS IS AN ASSUMED CONDITION. NOTIFY ENGINEER IF THIS IS NOT THE CASE.



WALL SHEATHING @ STAIR LANDING

4 / SA3.2 — SCALE: 1"=1'-0"

NOTES: 1. THIS IS AN ASSUMED CONDITION. NOTIFY ENGINEER IF THIS IS NOT THE CASE.



PARAPET CORNER DETAIL

5 / SA3.2 — SCALE: 1"=1'-0"

NOTES: 1. INSTALL HELICAL WALL TIES IN THE UPPER PORTION OF WALL IN THE MORTAR JOINT - WHERE CRACKS OCCUR. COORDINATE LOCATION AND OTHER REQUIREMENTS w/ ENGINEER.

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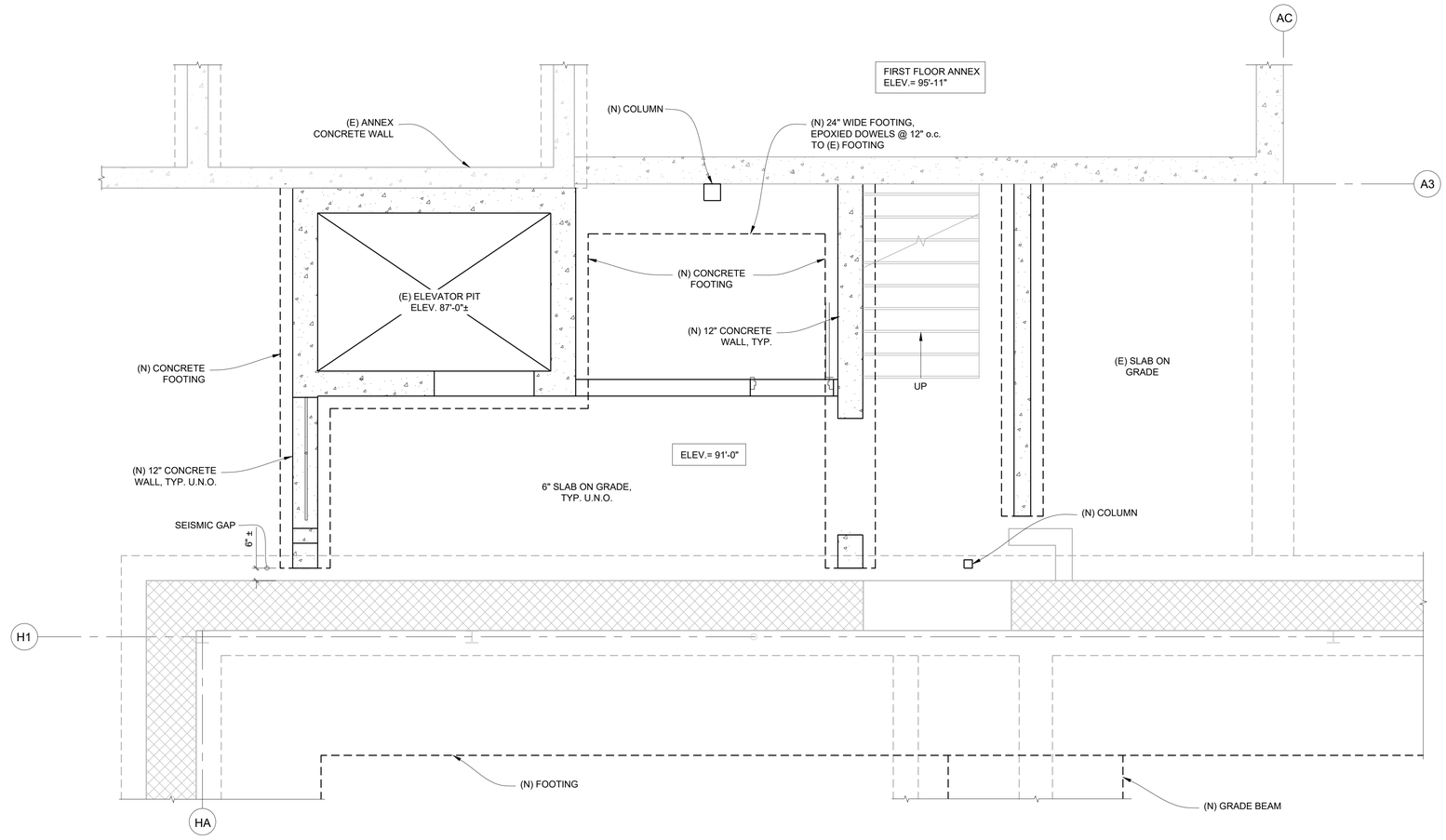
REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
ANNEX FOUNDATION & MISCELLANEOUS DETAILS

JOB NO. 9290.006

Date: SEP 23, 2022
Sheet No:

SA3.2



1 SL1.0

LINK FOUNDATION PLAN

SCALE: 3/8"=1'-0"

NOTES: 1. SEE SHEET S0.2 FOR TYPICAL CONCRETE DETAILS.
2. WALLS SHOWN ON THIS SHEET ARE ABOVE THE FLOOR SLAB.
3. SEE ARCH. DRAWINGS FOR LOCATION & LAYOUT OF ALL WALLS NOT SHOWN.

FOOTING SCHEDULE

MARK	WIDTH "W"	LENGTH "L"	THICKNESS "t"	REINFORCING	POST BASE	COMMENTS
F-1						
F-2						
F-3						

LEGEND

- (E) CONCRETE
- (E) STONE WALL
- (N) CMU WALL
- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (N) FOOTING
- (E) FOOTING

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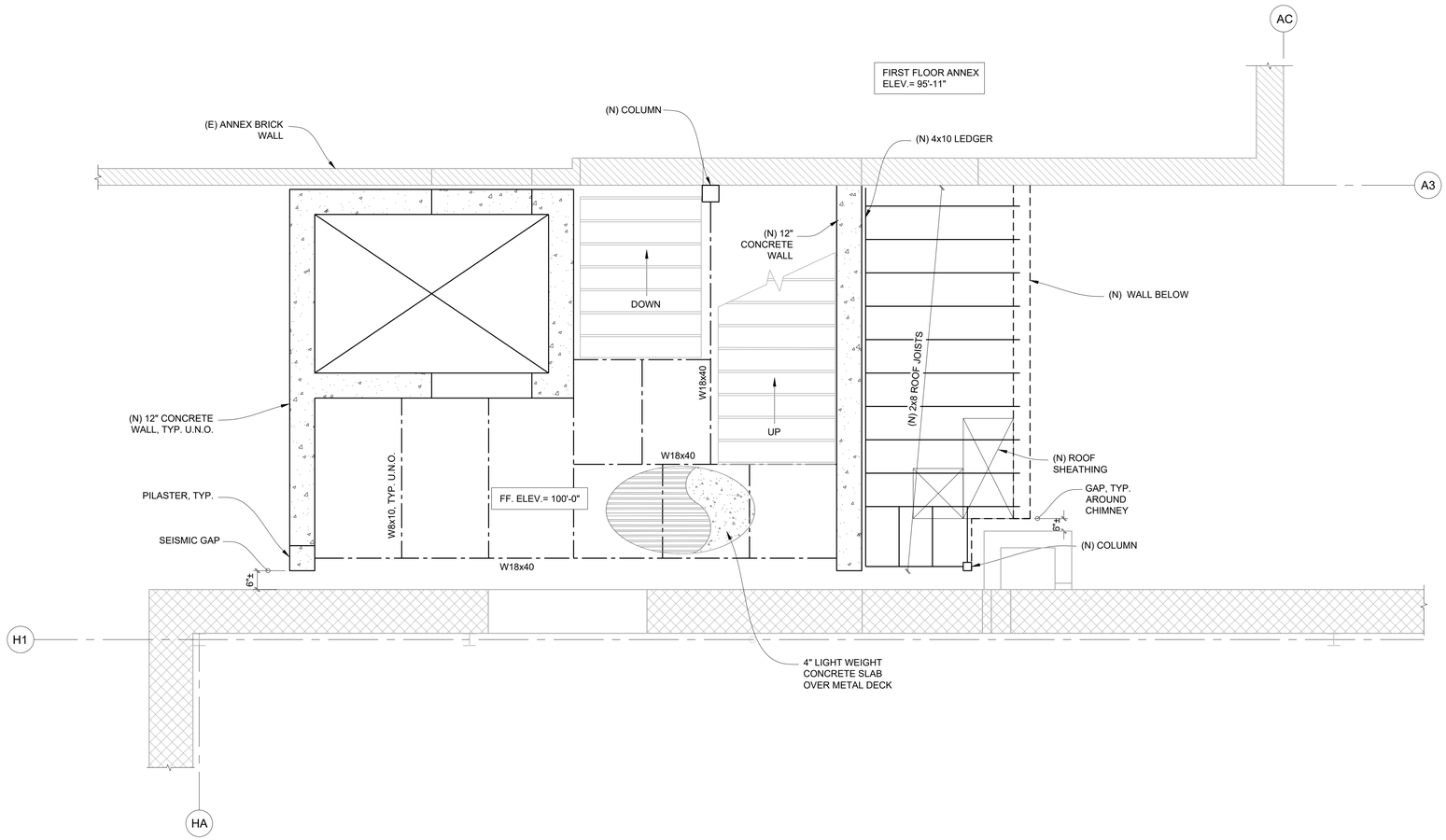
REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LINK FOUNDATION PLAN

JOB NO. 9290.006

Date: SEP 23, 2022
Sheet No:

SL1.0



LEGEND

- (E) STONE WALL
- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (N) / (E) BEAMS
- (E) BEAMS

1 / SL1.1 LINK FIRST FLOOR FRAMING PLAN

SCALE: 3/8"=1'-0"

NOTES: 1. WALLS SHOWN ON THIS SHEET ARE BELOW THE FLOOR LEVEL.
2. SEE ARCH. DRAWINGS FOR LOCATION & LAYOUT OF ALL WALLS NOT SHOWN.

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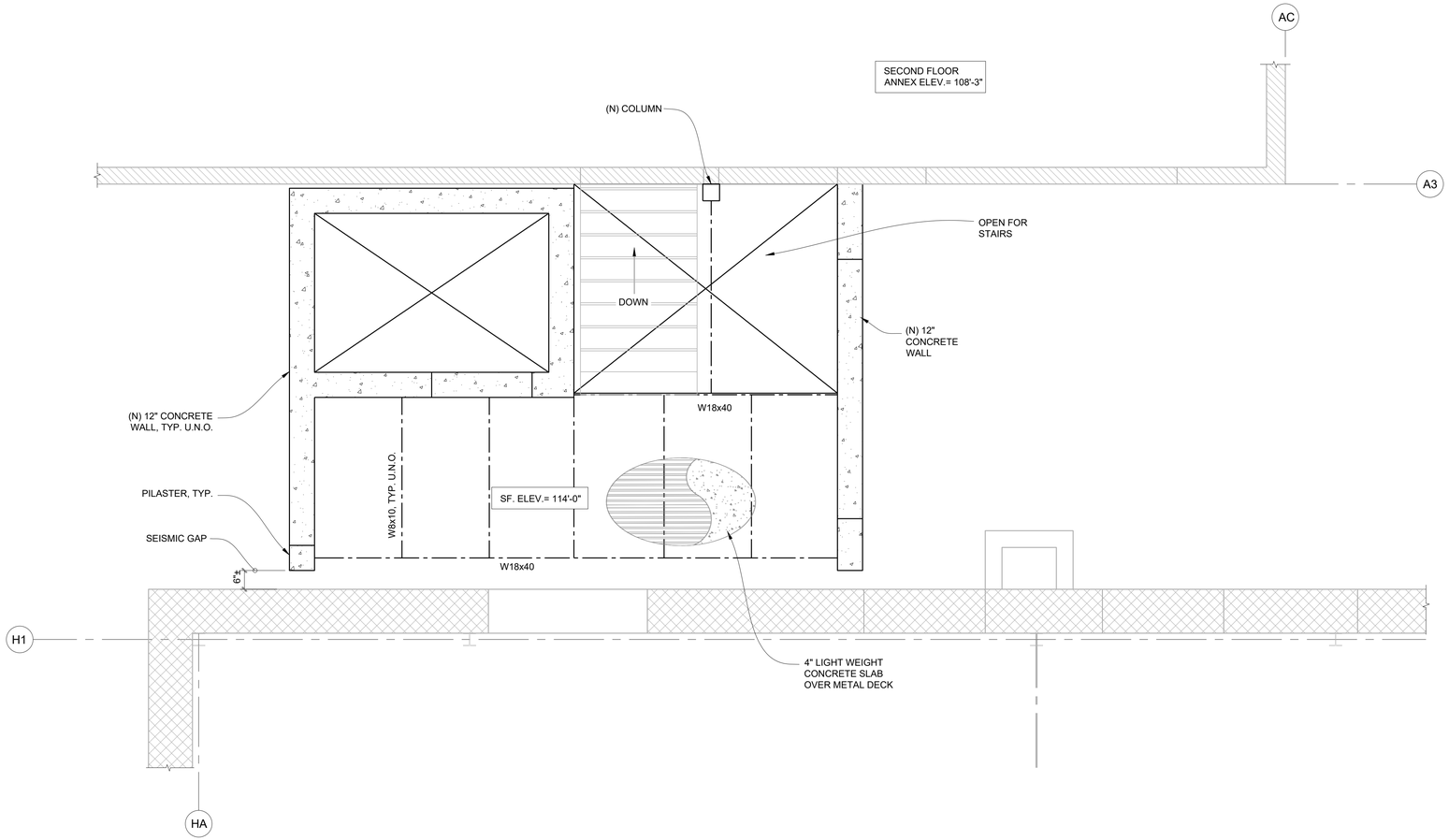
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LINK FIRST FLOOR FRAMING PLANS

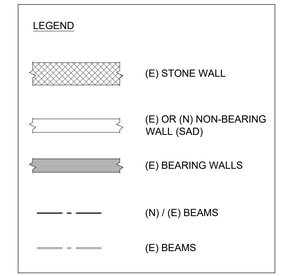
JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

SL1.1





1 / SL1.2 **LINK SECOND FLOOR FRAMING PLAN**

SCALE: 3/8"=1'-0"

NOTES: 1. WALLS SHOWN ON THIS SHEET ARE BELOW THE FLOOR LEVEL.
2. SEE ARCH. DRAWINGS FOR LOCATION & LAYOUT OF ALL WALLS NOT SHOWN.

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RENO, NV 89521
TEL: 775.827.6111

PLEASE RECYCLE

Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CONSTRUCTION DOCUMENTS

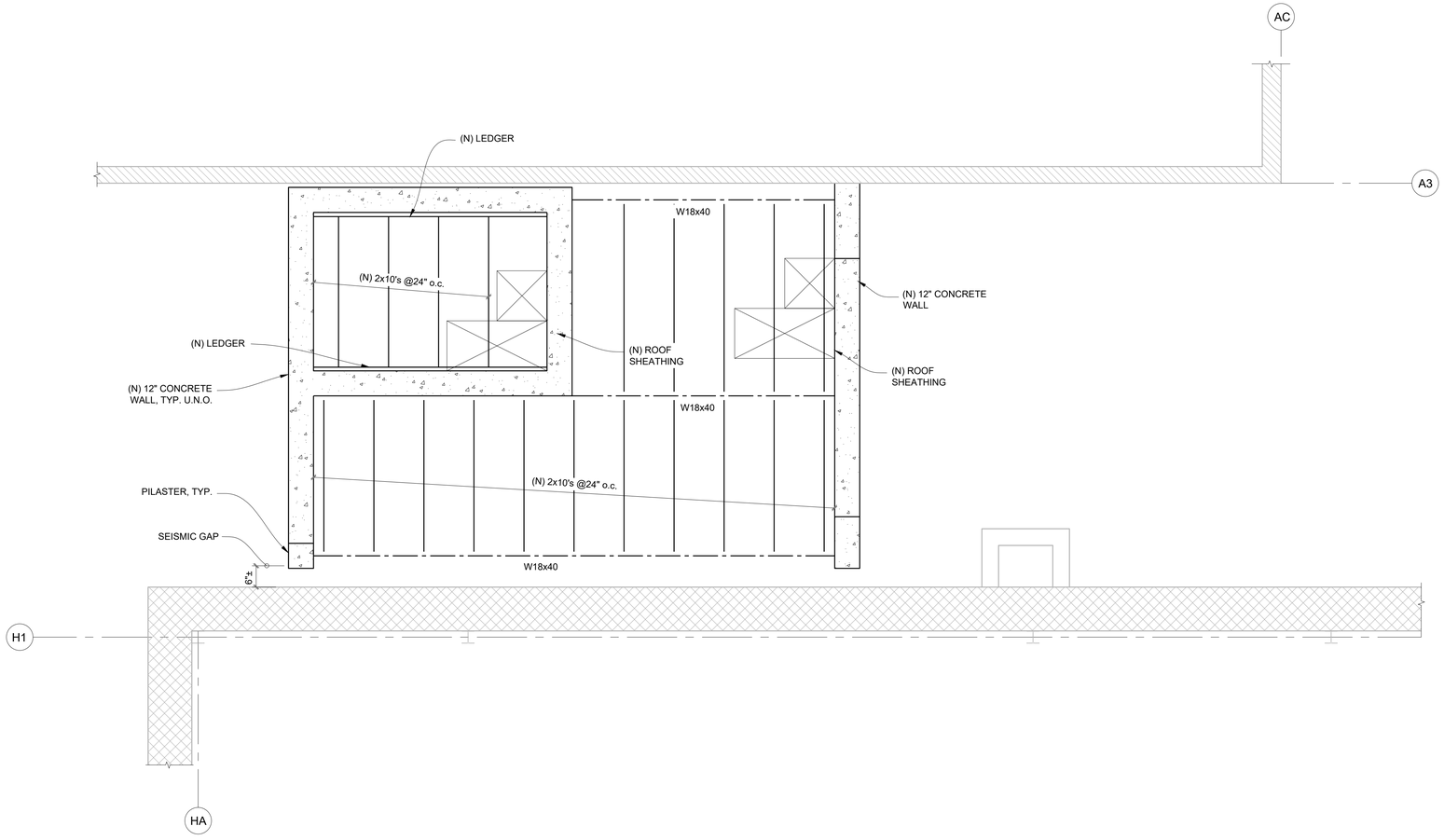
REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
LINK SECOND FLOOR FRAMING PLAN

JOB NO. 9290.006

Date: SEP 23, 2022
Sheet No:

SL1.2



1 SL1.3

LINK ROOF FRAMING PLAN

SCALE: 3/8"=1'-0"

NOTES: 1. INSTALL NEW PLYWOOD SHEATHING OVER EXISTING BOARDS.

LEGEND

- (E) STONE WALL
- (E) OR (N) NON-BEARING WALL (SAD)
- (E) BEARING WALLS
- (N) BEAMS
- (E) BEAMS

tsk

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

LINK ROOF FRAMING PLAN

JOB NO. 9290.006

Date: SEP 23, 2022

Sheet No:

SL1.3

HEROES MEMORIAL BUILDING & ANNEX

50% CONSTRUCTION DOCUMENTS

VOLUME 2

SEPTEMBER 23, 2022

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

PROJECT ADDRESS:
198 SOUTH CARSON ST.
CARSON CITY, NV 89701



CLIENT:

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Project No. 21-P02

DESIGN TEAM

PROJECT ARCHITECT
TSK ARCHITECTS
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Reno, Nevada 89501

HISTORIC PRESERVATION ARCHITECT
IS ARCHITECTURE
5649 La Jolla Blvd.
La Jolla, California 92037

STRUCTURAL ENGINEER
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HISTORIC STRUCTURES-STRUCTURAL ENGINEER
MELVYN GREEN & ASSOCIATES
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AINSWORTH & ASSOC.
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Reno, Nevada 89502

ELECTRICAL & FIRE PROTECTION ENGINEER
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Reno, Nevada 89511

CMAR
Q&D CONSTRUCTION LLC
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Sparks, Nevada 89431

COST ESTIMATOR
OCMI
2470 St Rose Pkway #209
Henderson, Nevada 89074

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

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50% CONSTRUCTION DOCUMENTS
SEPTEMBER 23, 2022

ABBREVIATIONS

A	
A.D.	Area Drain
A.V.	Audio/Visual
ACC.	Accessible
ACOUS.	Acoustical
ADJ.	Adjustible
AGGR.	Aggregate
AL.	Aluminum
APPROX.	Approximate
ARCH	Architectural
ASPH.	Asphalt
B	
B.O.F.	Bottom of Fixture
BD.	Board
BITUM.	Bituminous
BLDG.	Building
BLK.	Block
BLKG.	Blocking
BM.	Beam
BOT.	Bottom
C	
C.B.	Catch Basin
C.F.C.I.	Contractor Furnished Contractor Installed
C.F.O.I.	Contractor Furnished Owner Installed
C.G.	Corner Guard
C.I.	Cast Iron
C.J.	Control Joint
C.M.U.	Concrete Masonry Unit
CAB.	Cabinet
CEM.	Cement
CER.	Ceramic
CLG.	Ceiling
CLKG.	Caulking
CLO.	Closet
CLR.	Clear
CNTR.	Counter
COL.	Column
CONC.	Concrete
CONN.	Connection
CONST.	Construction
CONT.	Continuous
CORR.	Corridor
CPT.	Carpet
CT.	Ceramic Tile
CTR.	Center
CTSK.	Countersunk
D	
D.F.	Drinking Fountain
D.O.	Door Opening
D.S.P.	Dry Standpipe
DBL.	Double
DEPT.	Department
DET.	Detail
DIA.	Diameter
DIM.	Dimension
DISP.	Dispenser
DN.	Down
DR.	Door
DS.	Downspout
DWG.	Drawing
DWR.	Drawer
E	
(E)	Existing
E.	East
E.I.F.S.	Exterior Insulation Finish System
E.J.	Expansion Joint
E.P.	Electrical Panelboard
E.P.D.M.	Single Ply Roof Membrane
E.W.C.	Electric Water Cooler
EA.	Each
ELEC.	Electrical
ELEV.	Elevation
EMER.	Emergency
ENCL.	Enclosure
EQ.	Equal
EQUIP.	Equipment
EXIST.	Existing Exposed
EXP.	Expansion
EXT.	Exterior
F	
F.A.	Fire Alarm
F.B.	Flat Bar
F.D.	Floor Drain
F.E.	Fire Extinguisher
F.E.C.	Fire Extinguisher Cabinet
F.H.C.	Fire Hose Cabinet
F.O.C.	Face of Concrete
F.O.F.	Face of Finish
F.O.S.	Face of Stud
F.S.	Fulll Size
FDN.	Fountain
FIN.	Finish
FLASH.	Flashing
FLOUR.	Flourescent
FLR.	Floor
FPRF.	Fireproof
FT.	Foot or Feet
FTG.	Footing
FURR.	Furring
FUT.	Future
G	
G.B.	Grab Bar
G.F.R.C.	Glass Fiber Reinforced Concrete
GA.	Guage
GALV.	Galvanized
GL.	Glass
GND.	Ground
GR.	Grade
GYP.	Gypsum
H	
H.B.	Hose Bibb
H.M.	Hollow Metal
HDWD.	Hardwood
HDWE.	Hardware
HGT.	Height
HORIZ.	Horizontal
HR.	Hour
I	
I.D.	Inside Diameter (Dim.)
INSUL.	Insulation
INT.	Interior
J	
JAN.	Janitor
JT.	Joint
K	
KIT.	Kitchen
L	
LAB.	Laboratory
LAM.	Laminate
LAV.	Lavatory
LKR.	Locker
LT.	Light
M	
M.C.	Medicine Cabinet
M.O.	Masonry Opening
MAX.	Maximum
MECH.	Mechanical
MEMB.	Membrane
MFGR.	Manufacturer
MH.	Manhole
MIN.	Minimum
MIR.	Mirror
MISC.	Miscellaneous
MTD.	Mounted
MTL.	Metal
MUL.	Mullion
N	
N.	North
N.I.C.	Not in Contract
N.T.S.	Not to Scale
NO. OR #	Number
NOM.	Nominal
O	
O.A.	Overall
O.C.	On Center
O.D.	Outside Dlameter (Dim.)
O.F.C.I.	Owner Furnished Contractor Installed
O.F.O.I.	Owner Furnished Owner Installed
O.H.	Opposite Hand
O.R.D.	Overflow Roof Drain
OBS.	Obscure
OFF.	Office
OPNG.	Opening
OPP.	Opposite
P	
P.LAM.	Plastic Laminate
P.T.D.	Paper Towel Dispenser
P.T.D./R.	Combination Paper Towel Dispencer and Receptacle
P.T.R.	Paper Towel Receptacle
PL.	Plate
PLAS.	Plaster
PLYWD	Plywood
PR.	Pair
PRCST.	Pre-cast
PT.	Point
PTN.	Partition
Q	
Q.T.	Quarry Tile
R	
R.	Riser
R.D.	Roof Drain
R.O.	Rough Opening
R.W.L.	Rain Water Leader
RAD.	Radius
REF.	Reference
REFR.	Refrigerator
REINF.	Reinforce
REQD	Required
RESIL.	Resilient
RGTR.	Register
RM.	Room
RRM	Restroom
RWD	Redwood
S	
S.	South
S.C.	Solid Core
S.C.D.	Seat Cover Dispenser
S.D.	Soap Dispenser
S.N.D.	Sanitary Napkin Dispensr
S.SK.	Service Sink
SCHED.	Schedule
SECT.	Section
SH.	Shelf
SHR.	Shower
SHT.	Sheet
SIM.	Similar
SPEC.	Specification
SQ.	Square
SST.	Stainless Steel
STA.	Station
STD.	Standard
STL.	Steel
STO.	Storage
STRL.	Structural
SUSP.	Suspended
SYM.	Symmetrical
T	
T.&G.	Tongue and Groove
T.B.	Towel Bar
T.C.	Top of Curb
T.O.W.	Top of Wall
T.P.	Top of Pavement
T.P.D.	Toilet Paper Dispenser
T.V.	Television
TEL.	Telephone
TER.	Terazzo
THK.	Thick
TRD.	Tread
TYP.	Typical
U	
U.N.O.	Unless Noted Otherwise
UNIF.	Unfinished
UR.	Urinal
V	
V.B.	Vapor Barriers
V.C.G.	Vinyl Corner Guard
V.T.	Vinyl Tile
VAR.	Varies
VERT.	Vertical
VEST.	Vestibule
W	
W.	West
W.C.	Water Closet
W/	With
W/O	Without
WD.	Wood
WK.P.	Working Point
WP.	Waterproof
WSCT.	Wainscot
WT.	Weight

CODE ANALYSIS

PROJECT DESCRIPTION

Actual Floor Area, Basement Level:	2,245 SF
Actual Floor Area, Level 1:	2,175 SF
Actual Floor Area, Level 2:	2,150 SF
Total Gross Square Footage:	6,570 SF

GOVERNING CODES:

- 2018 International Existing Building Code
- 2018 International Building Code
- 2018 Uniform Mechanical Code
- 2018 Uniform Plumbing Code
- 2017 Uniform Electrical Code
- 2018 International Energy Conservation Code
- 2010 ADA Standards for Accessible Design

OCCUPANCY CLASSIFICATIONS: — **IBC 2018**

Occupancy:	B (Business)	(Section 304.1)

CONSTRUCTION TYPE:

	Type V-B	(Table 601)
Allowable Height:	3 Stories / 60' Height	(Table 504.3 & 504.4)
Allowable Area:	27,000 SF	(Table 506.2)
Actual Height:	TBD	
Sprinkler Increase:	NA	

FIRE RESISTANCE RATING REQUIREMENTS: (Table 601)

Structural Frame	0-hr.
Bearing Exterior Walls	0-hr.
Bearing Interior Walls	0-hr.
Non-Bearing Exterior Walls	0-hr.
Non-Bearing Interior Walls	0-hr.
Floor	0-hr.
Roof	0-hr.

IECC – 2018 (INTERNATIONAL ENERGY CONSERVATION CODE)

Nevada, Carson City is **Climate Zone 5B**

Building Envelope Minimum Requirements - R-Value Method (Table C402.1.3)

Insulation Above Roof Deck	R-30ci
Attic & Other	R-38
Mass Walls	R-11.4ci
Metal Framed Walls	R-13 + R-7.5ci
Walls Below Grade	R-7.5ci
Slab on Grade Floors	R-10 for 24" below
Opaque Doors (swinging)	R- 4.75

IECC 2018 - C501.6 Historic buildings.

Provisions of this code relating to the construction, repair, alteration, restoration and movement of structures, and change of occupancy shall not be mandatory for historic buildings provided that a report has been submitted to the code official and signed by a registered design professional, or a representative of the State Historic Preservation office or the historic preservation authority having jurisdiction, demonstrating that compliance with that pro-vision would threaten, degrade or destroy the historic form, fabric or function of the building.

ADDITIONAL NOTES:

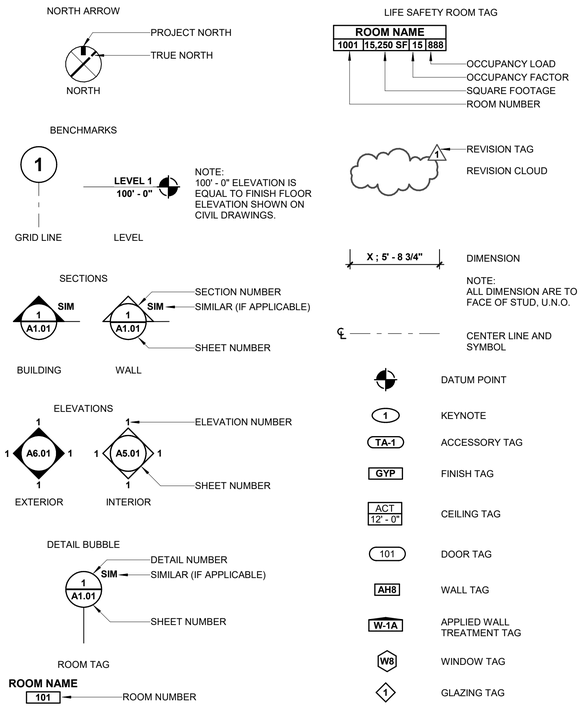
- Building type and occupancy classification is unchanged
- Building exiting is unchanged

DEFERRED SUBMITTALS:

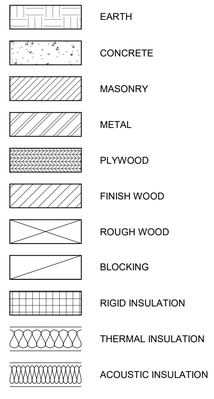
- Fire Alarm System
- Smoke Detector System
- Fire Sprinkler System

DRAWING INDEX

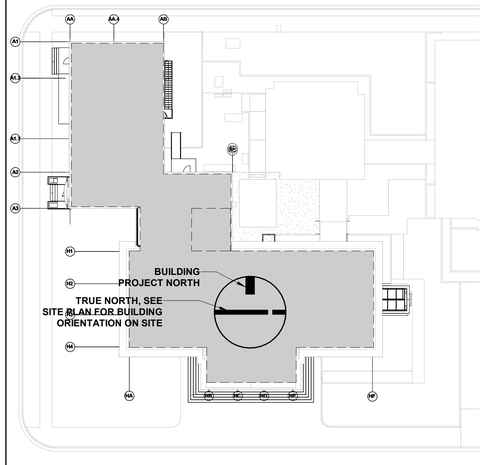
SYMBOL LEGEND



MATERIALS LEGEND



BUILDING ORIENTATION



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50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

GENERAL SHEET

Date: SEPTEMBER 23, 2022

Sheet No:

G0.00

DRAWING INDEX

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00_COVER SHEET						
0.0	COVER SHEET	■	■	■	■	
01_GENERAL						
G0.00	GENERAL SHEET	■	■	■	■	
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SH4.0	ENTRY ANCHORAGE DETAILS			■	■	
SH4.1	ENTRY ANCHORAGE DETAILS			■	■	
SH5.0	FOUNDATION DETAILS				■	
SH6.0	HEROES FLOOR ANCHORAGE & DRAG DETAILS				■	
SH6.1	HEROES FLOOR POST/BEAM DETAILS				■	
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SL1.1	LINK FIRST FLOOR FRAMING PLANS			■	■	
SL1.2	LINK SCOND FLOOR FRAMING PLAN			■	■	
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VOLUME 2

#	SHEET NAME	100% SD (3/8/21)	60% DD	100% DD (05.31.22)	50% CD (9.02.22)	100% CD (DATE)
00_COVER SHEET						
0.0	COVER SHEET	■	■	■	■	
08_FIRE PROTECTION						
FP0.01	FIRE PROTECTION LEGEND, SCHEDULES, NOTES				■	
FP1.21	FIRE PROTECTION HEROES LEVEL 0 NEW PLAN				■	
FP1.22	FIRE PROTECTION HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN				■	
FP1.23	FIRE PROTECTION HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN				■	
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M0.02	MECHANICAL EQUIPMENT SCHEDULES				■	■
M0.03	MECHANICAL EQUIPMENT SCHEDULES				■	■
M0.04	MECHANICAL EQUIPMENT SCHEDULES					■
M1.01	MECHANICAL HEROES LEVEL 0 DEMOLITION PLAN				■	■
M1.02	MECHANICAL HEROES LEVEL 1 DEMOLITION PLAN				■	■
M1.03	MECHANICAL HEROES LEVEL 2 DEMOLITION PLAN				■	■
M1.04	MECHANICAL DEMOLITION ROOF PLAN				■	■
M1.11	MECHANICAL LEVEL 0 ZONING PLAN				■	■
M1.12	MECHANICAL LEVEL 1 ZONING PLAN				■	■
M1.13	MECHANICAL LEVEL 2 ZONING PLAN				■	■
M1.21	MECHANICAL HEROES LEVEL 0 NEW PLAN				■	■
M1.22	MECHANICAL HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN				■	■
M1.23	MECHANICAL HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN				■	■
M1.24	MECHANICAL HEROES LEVEL 0 NEW PLAN - PIPING				■	
M1.25	MECHANICAL HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN - PIPING				■	■
M1.26	MECHANICAL HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN - PIPING				■	
M1.27	MEHANICAL ISOMETRICS, SECTIONS				■	
M1.28	MECHANICAL ROOF PLAN				■	
M5.01	MECHANICAL PIPING DIAGRAMS				■	■
M5.02	MECHANICAL PIPING DIAGRAMS				■	
M5.03	MECHANICAL PIPING DIAGRAMS				■	
M5.04	MECHANICAL DUCTWORK DIAGRAMS				■	
M6.01	MECHANICAL DETAILS				■	■
M6.02	MECHANICAL DETAILS				■	■
M6.03	MECHANICAL DETAILS				■	■
M6.04	MECHANICAL EQUIPMENT DETAILS					■
M7.01	TEMPERATURE CONTROLS				■	■
M7.02	TEMPERATURE CONTROLS				■	■
M7.03	TEMPERATURE CONTROLS				■	■
M7.04	TEMPERATURE CONTROLS				■	■
M7.05	TEMPERATURE CONTROLS				■	■
M7.06	TEMPERATURE CONTROLS				■	■
M7.07	TEMPERATURE CONTROLS				■	
M7.08	TEMPERATURE CONTROLS				■	
10_PLUMBING						
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P1.01	PLUMBING HEROES LEVEL 0 DEMOLITION PLAN				■	■
P1.02	PLUMBING HEROES LEVEL 1 / ANNEX LEVEL 1 DEMOLITION PLAN				■	■
P1.03	PLUMBING HEROES LEVEL 2 / ANNEX LEVEL 2 DEMOLITION PLAN				■	■
P1.04	PLUMBING ROOF DEMOLITION PLAN				■	■
P1.21	PLUMBING HEROES LEVEL 0 NEW PLAN				■	■
P1.22	PLUMBING HEROES / ANNEX LEVEL 1 NEW PLAN				■	■
P1.23	PLUMBING HEROES / ANNEX LEVEL 2 NEW PLAN				■	■
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P1.25	PLUMBING ENLARGED PLANS				■	■
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P6.01	PLUMBING DETAILS				■	■
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E0.05	LOAD CALCS AND PANEL SCHEDULES				■	
E0.06	PANEL SCHEDULES			■	■	
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E3.22	ANNEX LEVEL 2 LIGHTING PLAN			■	■	
E4.10	HEROES BASEMENT POWER PLAN			■	■	
E4.11	HEROES LEVEL 1 POWER PLAN			■	■	
E4.12	HEROES LEVEL 2 POWER PLAN			■	■	
E4.13	HEROES ATTIC POWER & SIGNAL PLAN			■		
E4.21	ANNEX LEVEL 1 POWER PLAN			■	■	
E4.22	ANNEX LEVEL 2 POWER PLAN			■	■	
E4.23	ANNEX ROOF POWER & SIGNAL PLAN			■		
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T0.03	ENLARGED TELECOM ROOM DETAILS			■	■	
T0.04	DOOR ACCESS CONTROL DETAILS			■	■	
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T1.12	HEROES LEVEL 2 TELECOM PLAN			■	■	
T1.21	ANNEX LEVEL 1 TELECOM PLAN			■	■	
T1.22	ANNEX LEVEL 2 TELECOM PLAN			■	■	

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REV	DATE	DESCRIPTION

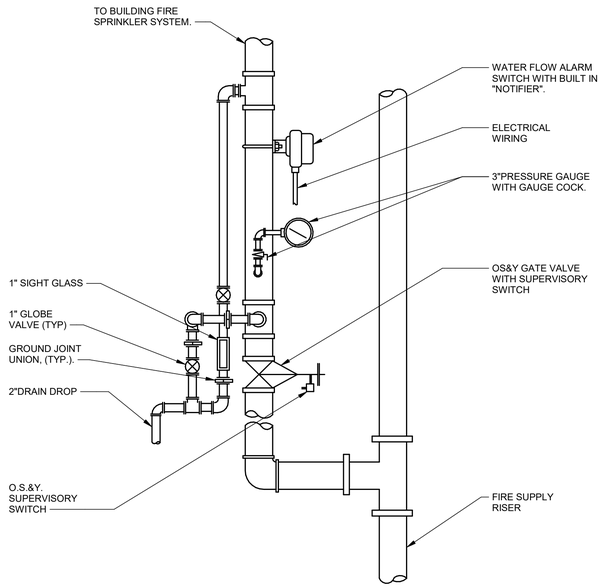
Sheet Title

MASTER SHEET INDEX

Date: SEPTEMBER 23, 2022

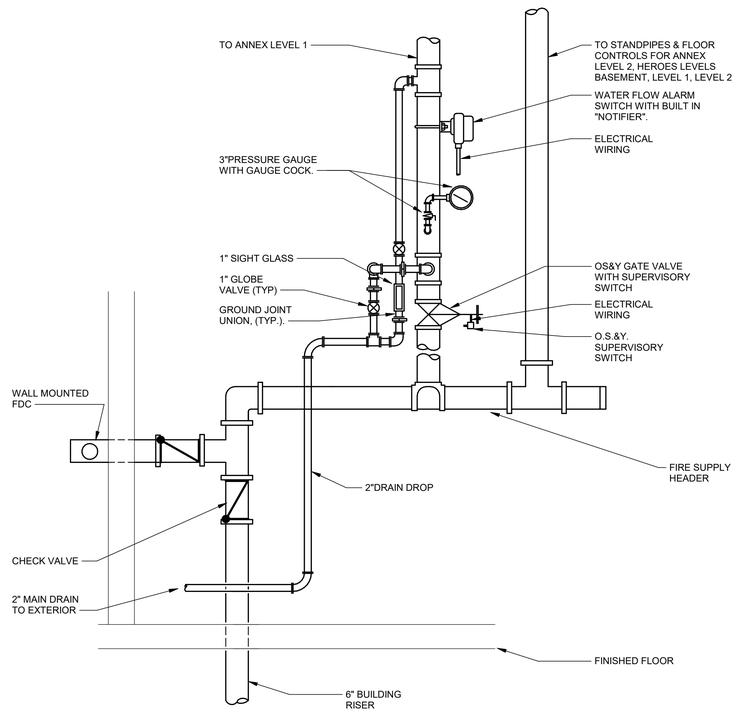
Sheet No:

G0.01



FIRE SPRINKLER FLOOR CONTROL VALVE 1 FP0.01

SCALE: NONE



FIRE SPRINKLER RISER 3 FP0.01

SCALE: NONE

SYMBOLS AND ABBREVIATIONS LIST

WSP	WET SPRINKLER PIPING
(E)	EXISTING
(N)	NEW
P.O.C.	POINT OF CONNECTION
S.O.G.	SLAB ON GRADE
D.I.P.	DUCTILE IRON PIPE
SSU	STANDARD SPRAY UPRIGHT
SSP	STANDARD SPRAY PENDENT
FDC	FIRE DEPARTMENT CONNECTION
PIV	POST INDICATOR VALVE
	OS & Y GATE VALVE W/ TAMPER SWITCH.
	OS & Y GATE VALVE W/ TAMPER SWITCH OR GATE VALVE.
	CHECK VALVE

GENERAL NOTES

1. THIS DRAWING IS INFORMATIONAL ONLY AND IS INTENDED TO AID IN THE PREPARATION OF CONTRACTOR BIDS.
2. EXISTING FIRE SPRINKLER SYSTEM SHALL BE UTILIZED AND MODIFIED FOR NEW CONDITIONS. DESIGN OF THE FIRE SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13, LOCAL AND STATE AUTHORITIES BY A NEVADA LICENSED FIRE PROTECTION PROFESSIONAL. WORK INCLUDES INSTALLATION OF NEW PIPING AND HEADS AS REQUIRED TO ACCOMMODATE NEW FLOOR PLAN, DUCTWORK, PIPING AND CONDUITS. SEE SPECIFICATIONS AND DRAWINGS FOR PROJECT REQUIREMENTS. ANY DEMOLISHED ITEMS INCLUDING PIPING, VALVES, SUPPORTS, ETC MAY NOT BE REUSED.
3. FIRE SPRINKLER CONTRACTOR SHALL PERFORM A HYDRAULIC ANALYSIS TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMANCE OF WORK.
4. EXACT LOCATIONS OF NEW HEADS SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT.
5. THE EXISTING SPRINKLER SYSTEM OUTSIDE OF THE PROJECT BOUNDARY SHALL EXPERIENCE A SINGLE COORDINATED SERVICE INTERRUPTION AS REQUIRED TO MODIFY THE SYSTEM WITHIN THE PROJECT BOUNDARY.
6. ALL SPRINKLER HEADS WITHIN THE PROJECT BOUNDARY SHALL MATCH THE OTHER FLOOR'S HEAD TYPES.
7. THE FIRE SPRINKLER CONTRACTOR/DESIGNER SHALL OBTAIN WATER SUPPLY INFORMATION FROM THE CITY OF RENO FIRE DEPARTMENT AND/OR THE TRUCKEE MEADOWS WATER AUTHORITY.
8. CONTRACTOR SHALL PROVIDE PIPING COMPONENTS TO ALLOW FOR PIPE MOVEMENT AT SEISMIC JOINTS. REVIEW STRUCTURAL DRAWINGS FOR EXPANSION JOINT INFORMATION.
9. SEE CENTRAL UTILITY PLANT AND REGIONAL MATERIALS MANAGEMENT BUILDING DRAWING SHEETS FOR AVAILABLE FIRE PROTECTION SYSTEMS.
10. DO NOT ROUTE ANY PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT OR PANELS.
11. 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.
12. SYSTEM SHALL BE HYDRAULICALLY DESIGNED. CONTRACTOR SHALL OBTAIN WATER SUPPLY INFORMATION AND DETERMINE SPRINKLER HEAD SPACING AND DESIGN DENSITIES FOR HYDRAULIC CALCULATIONS.
13. CONTRACTOR SHALL HOLD A VALID NEVADA CONTRACTORS LICENSE FOR THE TYPE OF WORK BEING PERFORMED.
14. ALL PIPING SHALL BE SUSPENDED AND BRACED IN STRICT ACCORDANCE WITH NFPA 13 AND FACTORY MUTUAL.
15. THIS IS A PERFORMANCE SPECIFICATION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PERMITS, FEES, DESIGN, MATERIAL, FABRICATION, STORAGE, INSTALLATION, TESTING AND CLEANUP FOR A COMPLETE AND OPERABLE SYSTEM. SYSTEM SHALL MEET THE REQUIREMENTS NFPA 13, 24, NEC, LOCAL AND STATE BUILDING OFFICIALS, AND HEALTH DEPARTMENT. SCOPE OF WORK INCLUDES A COMPLETE AND OPERABLE WET FIRE SPRINKLER AND STANDPIPE SYSTEM THROUGHOUT.
    A. ALARM DEVICES WITH WIRING CONNECTIONS FOR ELECTRICAL/ALARM CONTRACTOR.
    B. SUBMIT COMPLETE SET OF DRAWINGS, CALCULATIONS AND CATALOG CUTS OF MATERIALS TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL. OBTAIN APPROVAL PRIOR TO INSTALLATION. DRAWINGS AND CALCULATIONS SHALL BE SIGNED BY A NICET CERTIFIED LEVEL III FIRE SYSTEMS TECHNICIAN.

DRAWING SHEET INDEX

FP0.01	FIRE PROTECTION LEGEND, SCHEDULES, NOTES
FP1.21	FIRE PROTECTION HEROES LEVEL 0 NEW PLAN
FP1.22	FIRE PROTECTION HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN
FP1.23	FIRE PROTECTION HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN

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Project

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198 SOUTH CARSON ST.
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Job No: 21-043

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NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

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REV	DATE	DESCRIPTION

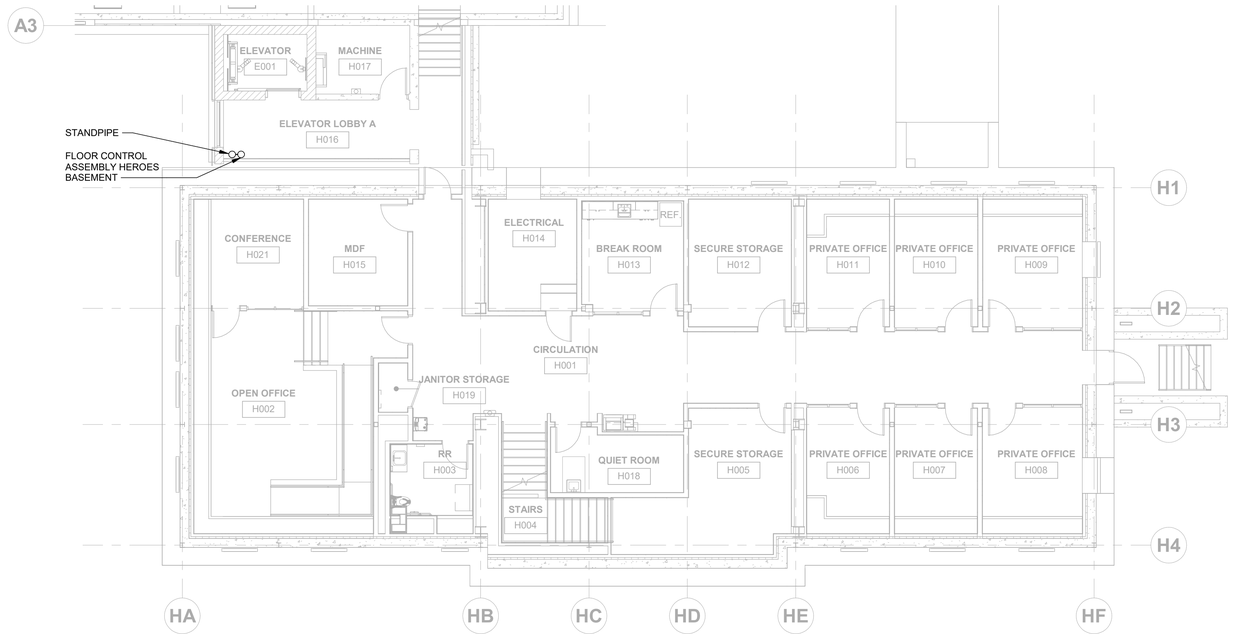
Sheet Title

FIRE PROTECTION LEGEND, SCHEDULES, NOTES

Date: September 23, 2022

Sheet No:

FP0.01



FIRE PROTECTION HEROES LEVEL 0 NEW PLAN (1 / FP1.21)

SCALE: 1/8" = 1'-0"

N

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REV	DATE	DESCRIPTION

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FIRE PROTECTION HEROES LEVEL 0 NEW PLAN

Date: September 23, 2022

Sheet No:

FP1.21

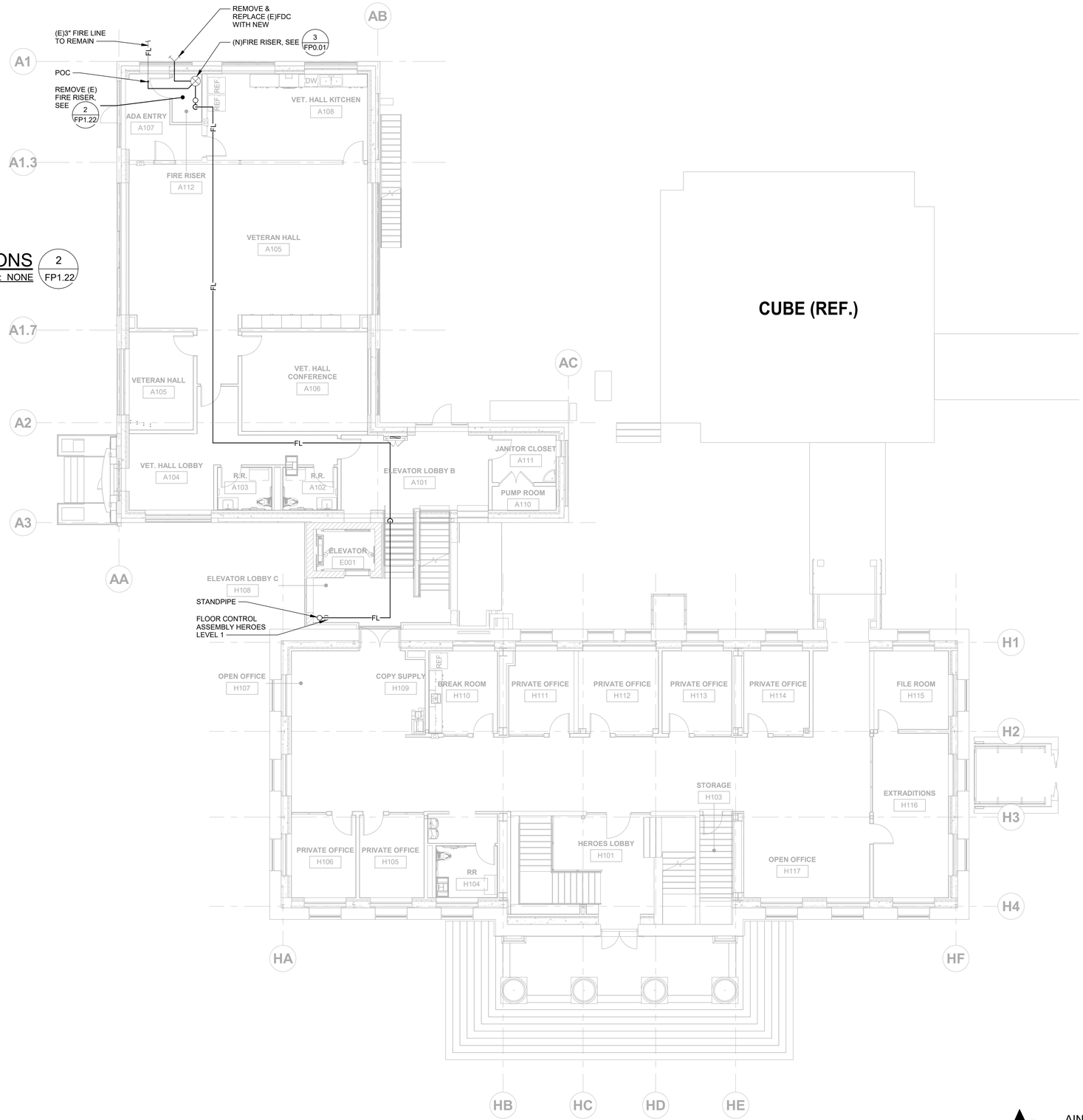




FIRE PROTECTION (E)CONDITIONS

SCALE: NONE

2 / FP1.22



FIRE PROTECTION HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN

SCALE: 1/8" = 1'-0"

1 / FP1.22

N

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

FIRE PROTECTION HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN

Date: September 23, 2022

Sheet No:

FP1.22

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FIRE PROTECTION HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN (1 / FP1.23)

SCALE: 1/8" = 1'-0"

N

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

FIRE PROTECTION HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN

Date: September 23, 2022

Sheet No:

FP1.23

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND UNR DESIGN STANDARDS.
2. PIPING SHALL NOT OBSTRUCT ACCESS OR REMOVAL OF MECHANICAL OR ELECTRICAL EQUIPMENT.
3. ALL MATERIALS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.
4. ALL EQUIPMENT, PIPING, DUCTWORK, ETC., SHALL BE SUPPORTED AS REQUIRED TO PROVIDE A VIBRATION FREE INSTALLATION.
5. COORDINATE EXACT LOCATION OF EQUIPMENT AND ALL PENETRATIONS THROUGH ROOF, FLOORS, AND WALLS WITH STRUCTURAL DRAWINGS PRIOR TO SHOP DRAWING SUBMITTAL.
6. COORDINATE THE ROUTING OF DUCTWORK WITH PLUMBING AND ELECTRICAL SECTIONS PRIOR TO SHOP DRAWING SUBMITTAL.
7. SEE REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL GRILLES AND DIFFUSERS IN CEILING.
8. PROVIDE MANUAL BALANCE DAMPER AT EACH RETURN OR EXHAUST BRANCH. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 5'-0". MBD SHALL BE AS FAR AWAY FROM THE DIFFUSER/GRILLE AS POSSIBLE.
9. PROVIDE A MINIMUM OF 12" CLEAR BELOW DUCTWORK TO CEILING FOR LIGHT REMOVAL.
10. COORDINATE EXACT SIZE AND LOCATION OF DUCTWORK WITH ALL OTHER TRADES.
11. VERIFY FINAL THERMOSTAT LOCATIONS WITH BUILT-IN CABINETS, DOOR SWINGS, ETC.
12. DO NOT ROUTE ANY PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT, SWITCH BOARDS, DISTRIBUTION PANELS, MCC'S, ETC. AS PROHIBITED BY THE NEC.
13. PLANS ARE SCHEMATIC AND ARE INTENDED TO SHOW THE GENERAL NATURE OF THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL MEASUREMENTS AND CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO ACCOMPLISH THE INTENT OF THE PROJECT IN A FIRST CLASS MANNER. NOT ALL OFFSETS IN DUCTWORK AND PIPING ARE SHOWN.
14. DO NOT FABRICATE FROM THE DRAWINGS. SPACE ALLOCATION SHALL BE DETERMINED IN THE FIELD AND COORDINATED WITH OTHER TRADES PRIOR TO FABRICATION.
15. DUCT DIMENSIONS SHOWN ON PLANS AND IN TERMINAL UNIT SCHEDULES ARE NET INSIDE DIMENSIONS.
16. SEISMIC BRACING FOR MECHANICAL SYSTEMS (EQUIPMENT, DUCTWORK, PIPING, AND CONDUIT) SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC) INCLUDING ALL APPLICABLE PROVISIONS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE STANDARD 7-16).

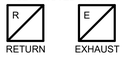
AIR DISTRIBUTION SCHEDULE

SYMBOL	SERVICE	BORDER	CFM RANGE	NECK SIZE	DESCRIPTION	BASIS OF DESIGN	NOTES
A1	SUPPLY	LAY-IN	0-125	6 RD	SQUARE CONE DIFFUSER WITH FULLY ADJUSTABLE AIRFLOW PATTURN. PROVIDE ROUND TRANSITION AS REQUIRED	PRICE MODEL #SCDA, BORDER TYPE 3 FRAME FOR 24/24 FACE SIZE	1,2,4
			130-175	8 RD			
			180-280	10 RD			
			285-450	12 RD			
			455-700	14 RD			
A2	SUPPLY	GYPBOARD	0-125	6 RD - 12/12 FACE	SQUARE CONE DIFFUSER WITH FULLY ADJUSTABLE AIRFLOW PATTURN. PROVIDE ROUND TRANSITION AS REQUIRED	PRICE MODEL #SCDA, BORDER TYPE 3 FRAME	1,2,4
			130-175	8 RD - 20/20 FACE			
			180-280	10 RD - 20/20 FACE			
			285-450	12 RD - 24/4 FACE			
			455-700	14 RD - 24/24 FACE			
A3	RETURN EXHAUST TRANSFER	LAY-IN, GYPBOARD	0-125	8x8	SQUARE EGGCRATE GRILLE WITH WHITE FINISH.	PRICE MODEL #80, BORDER TYPE TB FOR T-BAR, BORDER TYPE F FOR SURFACE MOUNT	1,3,4
			130-180	10x10			
			185-270	12x12			
			275-375	14x14			
			380-480	16x16			
			485-700	18x18			
			705-1100	20x20			
			ALL T-BAR LOCATIONS	22x22			
B1	SUPPLY	SIDEWALL	SEE PLANS FOR AIRFLOW AND SIZE		LOUVERED SUPPLY DIFFUSER, DOUBLE DEFLECTION, 3/4" BLADE SPACING	PRICE MODEL #520, BORDER TYPE FOR SURFACE MOUNT OR DUCT MOUNT WHERE REQUIRED	
B2	RETURN EXHAUST	SIDEWALL	SEE PLANS FOR AIRFLOW AND SIZE		LOUVERED RETURN GRILLE, SINGLE DEFLECTION, 3/4" BLADE SPACING	PRICE MODEL #530, BORDER TYPE FOR SURFACE MOUNT OR DUCT MOUNT WHERE REQUIRED	
C1	SUPPLY	ROUND CONE	SEE PLANS FOR AIRFLOW AND SIZE		ROUND CONE DIFFUSER WITH ADJUSTABLE PATTERN AND SAFETY CHAIN	PRICE MODEL #RCD	
D1	HIGH VELOCITY SUPPLY	SIDEWALL	SEE PLANS FOR AIRFLOW AND SIZE		AIR NOZZLE WITH CORE	PRICE MODEL #ANR	
D2	RETURN	SIDEWALL	SEE PLANS FOR SIZE		ROUND RETURN EGGCRATE GRILLE	PRICE MODEL #RECG	
F1	SUPPLY	FLUSH	0-80	6 RD	LINEAR SLOT DIFFUSER (4 FEET) WITH (2) SLOTS, 1" SLOT WIDTH, AND FIELD FABRICATED LINED PLENUM.	PRICE MODEL # SDS100, TYPE 1 FRAME	1,2,4
			81-160	8 RD			
			161-250	10 RD			
F3	RETURN	FLUSH	0-80	6 RD	LINEAR SLOT DIFFUSER (4 FEET) WITH (2) SLOTS, 1" SLOT WIDTH, AND FIELD FABRICATED LINED PLENUM.	PRICE MODEL # SDR100, TYPE 1 FRAME	1,3,4
			81-160	8 RD			
			161-250	10 RD			
G1	SUPPLY	DUCT MOUNT	SEE PLANS FOR AIRFLOW AND SIZE		EXTRUDED SPIRAL DUCT MOUNTED DIFFUSER, DOUBLE DEFLECTION, 3/4" BLADE SPACING, AE1 VOLUME EXTRACTOR	PRICE MODEL #SDGE	
G2	RETURN EXHAUST	DUCT MOUNT	SEE PLANS FOR AIRFLOW AND SIZE		EXTRUDED SPIRAL DUCT MOUNTED GRILLE, PERFORATED FACE	PRICE MODEL #SDGER	

NOTES:
1. PROVIDE INLET AND OUTLET SIZES ABOVE UNLESS SIZES ARE SPECIFICALLY NOTED ON PLANS.
2. DIRECTIONAL AIR THROW PATTERNS SHALL BE FIELD ADJUSTED IN ACCORDANCE WITH REPRESENTATIONS BELOW AND AS NOTED ON DRAWINGS.



3. INLETS NOTED WITH AN "R" ARE ON THE RETURN SYSTEM AND INLETS NOTED WITH AN "E" ARE ON THE EXHAUST SYSTEM.



4. ALL AIR DISTRIBUTION SHALL BE FACTORY WHITE FINISH, UNLESS NOTED OTHERWISE.

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MECHANICAL LEGEND

HS	HEATING HOT WATER SUPPLY
HR	HEATING HOT WATER RETURN
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
SHS	SENSIBLE HEATING HOT WATER SUPPLY
SHR	SENSIBLE HEATING HOT WATER RETURN
SCHS	SENSIBLE CHILLED WATER SUPPLY
SCHR	SENSIBLE CHILLED WATER RETURN
D	DRAIN
	FLEXIBLE CONNECTION
GV	GATE VALVE
BLV	BALL VALVE
BFV	BUTTERFLY VALVE
BV	BALANCE VALVE
CKV	CHECK VALVE
LH GC	LEVER HANDLE GAS COCK
PT	PETE'S PLUG
Ø	THERMOMETER, PRESSURE GAUGE
	RETURN/EXHAUST AIR FLOW
	SUPPLY / OUTSIDE AIR FLOW
	EXHAUST AIR DUCT SECTION
	OUTSIDE AIR DUCT SECTION
	RETURN AIR DUCT SECTION
	SUPPLY AIR DUCT SECTION
12x10	DUCT (FIRST FIGURE SIDE SHOWN SECOND FIGURE SIDE NOT SHOWN)
	MIN. 18 GA. 316-L STAINLESS STEEL WELDED DUCT
	TURNING VANES
	FLEXIBLE DUCTWORK
	MANUAL DAMPER
R D	RISE OR DROP IN DIRECTION OF ARROW
T	ROOM TEMPERATURE SENSOR
DP	DEWPOINT AND TEMP COMBO SENSOR
Ø	DIAMETER
ROOM NAME --	ROOM NAME AND NUMBER
AC	AIR CONDITIONING
AD, AP	ACCESS DOOR, ACCESS PANEL
CC	CENTER TO CENTER
CFM, f	CUBIC FEET OF AIR PER MINUTE
ACH	AIR CHANGES PER HOUR
(E), (N)	EXISTING, NEW
EAD, OAD, RAD	EXHAUST, OUTSIDE & 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 / FIRE SMOKE DAMPER
GA.	GAUGE
GALV.	GALVANIZED
AAV. / MAV.	AUTOMATIC / MANUAL AIR VENT
MAX., MIN.	MAXIMUM, MINIMUM
M.D.	MANUAL DAMPER
P.D.	PITCH DOWN IN DIRECTION OF ARROW
POCD	PARTICLES OF COMBUSTIBILITY DETECTOR
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
REF.	REFERENCE
UNO	UNLESS NOTED OTHERWISE
VCD	VOLUME CONTROL DAMPER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

MECHANICAL LEGEND, AIR DISTRIBUTION SCHEDULE, NOTES

Date: September 23, 2022

Sheet No:

M0.01

AIR HANDLING UNITS

SYMBOL	TYPE	AREA SERVED	MANUFACTURER	SUPPLY FANS				MIN. OUTSIDE AIR	COOLING COIL										HEATING COIL								OP. WEIGHT (LBS)	ELECTRICAL			FILTERS			
				CFM	ESP/TSP	QTY/HP	FAN RPM		TOTAL MBH	SENSIBLE MBH	HxL	ROWS / FPI	EAT	LAT	EWT/LWT	GPM	WPD (FT)	APD ("WC)	MBH	HxL	ROWS/ FPI	EAT	LAT	EWT/LWT	GPM	WPD (FT)	APD ("WC)		VOLTS/ PHASE	MCA	MOCP	MERV 8 FILTER SIZE	FILTER QTY	MERV 13 FILTER SIZE	FILTER QTY
AHU 1	VARIABLE VOLUME (OUTDOOR)	HEROES - BASEMENT	Pace	1,900	2.5 / 3.52	2 / 1.5	3,600	500	59	57	22.5 x 54	4 / 12	85 / 62	51.4	45 / 56.7	10	1.3	0.08	67	22.5 x 54	1 / 8	44	80.6	180 / 146	4	0.1	0.01	3,000	460 / 3	4.3	6	24x12	3	24x20	1
AHU 2	VARIABLE VOLUME (OUTDOOR)	HEROES - LEVEL 1	Pace	4,700	2.75 / 5.06	2 / 5	3,600	950	141	131	27.5 x 54	6 / 12	83 / 62	51.5	45 / 57.5	23	4.9	0.38	122	27.5 x 54	1 / 8	47	74.1	180 / 149	8	0.4	0.03	3,000	460/3	13.1	17.5	24x12	3	24x20	1
AHU 3	VARIABLE VOLUME (OUTDOOR)	HEROES - LEVEL 2	Pace	4,500	2.75 / 4.8	2 / 5	3,600	900	133	128	27.5 x 54	4 / 13	85 / 62	53.3	45 / 57.6	21	7.2	0.24	119	27.5 x 54	1 / 8	48	75.7	180 / 150	8	0.4	0.02	3,000	460/3	13.1	17.5	24x12	3	24x20	1
															GPM TOTAL	54								GPM TOTAL	19									

NOTES:
1. FIELD VERIFY ALL COIL CONNECTION CONFIGURATIONS.
2. PREMIUM EFFICIENCY MOTORS.
3. O/A PROVIDED WITH WEATHER RAINHOOD
4. VFD'S TO BE SUPPLIED AND INSTALLED BY THE TEMPERATURE CONTROL CONTRACTOR. SEE VFD SCHEDULE FOR MORE INFORMATION.
5. OUTSIDE AIR AND BYPASS DAMPERS TO BE SIZED NOT TO EXCEED 850 FPM THRU FACE AREA.
6. PROVIDE LABELS ON ALL UNIT ACCESS DOORS LISTING COMPONENTS WITHIN.
7. DATA HEREIN CORRECTED FOR 4,500 FOOT ELEVATION

ACCESSORIES: (ALL UNITS UNLESS NOTED OTHERWISE)
1. FURNISH 4 TOTAL SETS OF FILTERS; CONSTRUCTION, BALANCING AND SPARE SET TO THE OWNER AT PROJECT COMPLETION.
2. FACTORY WIRED LED LIGHTS IN EACH AHU SECTION.
3. MINIMUM 6" SPACE BETWEEN HEATING AND COOLING COILS. PROVIDE ACCESS DOOR TO SPACE BETWEEN COILS.
4. FACTORY INSTALLED AIR VENTS AT TOP OF EACH COIL.
5. SUPPLY AIR VENTILATED VFD CABINETS.
6. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO CONNECT ALL FACTORY 460V AND ALL 120V WIRING AT EACH AIR HANDLER DE-MOUNT LOCATION, SEE AHU ELECTRICAL LAYOUT DWGS.
7. OUTSIDE AIR DAMPERS AS SHOWN ON DWGS.
8. AIRFLOW MONITORING SHALL BE ACCOMPLISHED VIA FAN BANK DIFFERENTIAL PRESSURE TRANSMITTERS SUMMATED FOR EACH VFD/FAN GROUPING. SEE SEQUENCE OF OPERATION.
9. SHAFT GROUNDING AT ALL MOTORS.
10. ELECTRICAL CONTRACTOR SHALL CONNECT 460V POWER TO THE AIR HANDLER CONTROL PANEL AND CONNECT FACTORY INSTALLED MOTOR WIRING TO VFD OUTPUT CONNECTIONS. SEPARATE 120V POWER SHALL BE CONNECTED TO FACTORY DISCONNECT SWITCH SERVING LIGHTING AND RECEPTACLES. 460 UNIT D.S. AND 120V LIGHT D.S.
11. MANUFACTURER SHALL PROVIDE INSTRUMENT TEST PORT COVERS AT THE MIDDLE OF EACH ACCESS DOOR. TEST PORT COVERS SHALL BE VENTLOK MODEL 699, OR APPROVED EQUAL.
12. INDIVIDUAL FACTORY SUPPLY FAN BACKDRAFT DAMPERS FOR MAX 0.1"WC PRESSURE DROP.

SINGLE DUCT TERMINAL UNITS: AHU-1

TAG	AHU TAG	ROOM	MODEL	SIZE		CFM		MAX INLET VELOCITY	STATIC PRESSURE			NC LEVELS		HOT WATER HEATING COIL									
				UNIT	OUTLET	MAX	MIN		INLET	DOWN	MIN	RAD	DIS	CFM	MBH	EAT	EWT	LAT	LWT	GPM	WPd	APd	ROWS
TU 1-01	AHU-1	FLEX LOUNGE H002	LMHS	08	12x10	700	140	2005	1	0.25	0.31	18	21	395	16.9	55	180	100.4	145.3	1.00	0.20	0.24	2-RH
TU 1-02	AHU-1	CIRCULATION H001, QUIET ROOM H018	LMHS	05	12x8	220	45	1613	1	0.25	0.09	12	21	110	3.6	55	180	90.1	150.1	0.25	0.05	0.03	1-RH
TU 1-03	AHU-1	OFFICE H006, H007, H008	LMHS	06	12x8	420	85	2139	1	0.25	0.25	20	21	280	11.6	55	180	98.7	148.3	0.75	0.10	0.17	2-RH
TU 1-04	AHU-1	OFFICE H009, H010, H011, H013	LMHS	08	12x10	660	130	1891	1	0.25	0.28	18	21	355	14.4	55	180	98.0	140.5	0.75	0.14	0.22	2-RH
					TOTAL	2000													TOTAL	2.8			

SINGLE DUCT TERMINAL UNITS: AHU-2

TAG	AHU TAG	ROOM	MODEL	SIZE		CFM		MAX INLET VELOCITY	STATIC PRESSURE			NC LEVELS		HOT WATER HEATING COIL									
				UNIT	OUTLET	MAX	MIN		INLET	DOWN	MIN	RAD	DIS	CFM	MBH	EAT	EWT	LAT	LWT	GPM	WPd	APd	ROWS
TU 2-01	AHU-2	PRIVATE OFFICE H106	LMHS	06	12x8	370	75	1884	1	0.25	0.22	18	14	255	9.8	55	180	95.6	140	0.50	0.06	0.16	2-RH
TU 2-02	AHU-2	PRIVATE OFFICE H105	LMHS	06	12x8	385	75	1961	1	0.25	0.24	19	16	220	9.3	55	180	99.7	142	0.50	0.06	0.17	2-RH
TU 2-03	AHU-2	HEROES LOBBY H102	LMHS	05	12x8	235	45	1723	1	0.25	0.13	12	20	200	8.4	55	180	99.3	146	0.50	0.06	0.07	2-RH
TU 2-04	AHU-2	OPEN OFFICE H117	LMHS	07	12x10	500	100	1871	1	0.25	0.14	19	18	250	9.6	55	180	95.5	160	1.00	0.56	0.08	1-RH
TU 2-05	AHU-2	EXTRADITIONS H116	LMHS	06	12x8	450	90	2292	1	0.25	0.28	20	18	365	15.3	55	180	99.5	155	1.25	0.18	0.19	2-RH
TU 2-06	AHU-2	FILE ROOM H115	LMHS	05	12x8	325	65	2384	1	0.25	0.25	18	21	255	9.8	55	180	95.6	140	0.50	0.06	0.13	2-RH
TU 2-07	AHU-2	PRIVATE OFFICE H113, H114	LMHS	07	12x10	510	100	1908	1	0.25	0.14	19	18	255	9.6	55	180	95.0	160	1.00	0.56	0.08	1-RH
TU 2-08	AHU-2	PRIVATE OFFICE H112	LMHS	07	12x10	470	95	1759	1	0.25	0.12	19	22	235	9.3	55	180	96.9	161	1.00	0.56	0.07	1-RH
TU 2-09	AHU-2	PRIVATE OFFICE H110, H111	LMHS	07	12x10	490	100	1833	1	0.25	0.14	19	22	245	9.5	55	180	95.9	161	1.00	0.56	0.08	1-RH
TU 2-10	AHU-2	OPEN OFFICE H107	LMHS	07	12x10	610	120	2282	1	0.25	0.21	20	20	305	10.4	55	180	91.2	159	1.00	0.56	0.12	1-RH
TU 2-11	AHU-2	ELEVATOR LOBBY C	LMHS	08	12x10	640	130	1833	1	0.25	0.19	19	22	320	10.6	55	180	90.0	158	1.00	0.56	0.13	1-RH
TOTAL						4985		TOTAL												9.3			

SINGLE DUCT TERMINAL UNITS: AHU-3

TAG	AHU TAG	ROOM	MODEL	SIZE		CFM		MAX INLET VELOCITY	STATIC PRESSURE			NC LEVELS		HOT WATER HEATING COIL									
				UNIT	OUTLET	MAX	MIN		INLET	DOWN	MIN	RAD	DIS	CFM	MBH	EAT	EWT	LAT	LWT	GPM	WPd	APd	ROWS
TU 3-01	AHU-3	PRIVATE OFFICE H206	LMHS	06	12x8	335	65	1706	1	0.25	0.17	16	19	265	9.3	55	180	92.1	141.9	0.50	0.06	0.12	2-RH
TU 3-02	AHU-3	PRIVATE OFFICE H205	LMHS	04	12x8	195	40	2235	1	0.25	0.14	20	27	100	4.3	55	180	101.0	162.2	0.50	0.14	0.02	1-RH
TU 3-03	AHU-3	PRIVATE OFFICE H203, H202	LMHS	07	12x10	545	110	2039	1	0.25	0.23	18	22	340	14.2	55	180	99.0	141.2	0.75	0.14	0.16	2-RH
TU 3-04	AHU-3	OPEN FLEX SPACE H218	LMHS	07	12x10	480	95	1796	1	0.25	0.13	19	22	240	8.9	55	180	94.4	155.5	0.75	0.33	0.07	1-RH
TU 3-05	AHU-3	PRIVATE OFFICE H217	LMHS	05	12x8	275	55	2017	1	0.25	0.19	14	26	250	9.7	55	180	96.1	140.1	0.50	0.06	0.10	2-RH
TU 3-06	AHU-3	PRIVATE OFFICE H216	LMHS	04	12x8	130	25	1490	1	0.25	0.06	11	21	110	4.6	55	180	98.9	161.3	0.50	0.14	0.01	1-RH
TU 3-07	AHU-3	PRIVATE OFFICE H215	LMHS	05	12x8	315	65	2310	1	0.25	0.24	16	27	220	9.3	55	180	99.7	141.8	0.50	0.06	0.12	2-RH
TU 3-08	AHU-3	PRIVATE OFFICE H214, H212	LMHS	06	12x8	345	70	1757	1	0.25	0.11	18	20	125	4.9	55	180	96.0	160.1	0.50	0.14	0.06	1-RH
TU 3-09	AHU-3	CONFERENCE H213, BREAK ROOM H210	LMHS	8	12x10	790	160	2263	1	0.25	-	-	-	395	6.3	55	180	95.0	-	0.75	-	-	1-RH
TU 3-10	AHU-3	OPEN OFFICE H207	LMHS	07	12x10	560	110	2095	1	0.25	0.18	19	20	280	10.4	55	180	94.3	163.0	1.25	0.86	0.10	1-RH
TU 3-11	AHU-3	ELEVATOR LOBBY H208	LMHS	08	12x10	700	140	2005	1	0.25	0.31	18	21	350	14.3	55	180	98.0	140.7	0.75	0.14	0.24	1-RH
					TOTAL	4670													TOTAL	7.3			

NOTES:
1. DASHES (--) INDICATE SOUND POWER LEVELS BELOW 36-29-26-22-19-17 FOR EACH OCTAVE BAND; VALUES BELOW THESE SOUND POWER LEVELS ARE CONSIDERED BELOW SIGNIFICANCE PER AHRI 880.
2. NC VALUES ARE CALCULATED BASED ON PROCEDURES OUTLINED IN AHRI STANDARD 885-2008.
3. SELECTIONS BASED UPON KRUEGER AS MANUFACTURER.
4. ALL CFM, PRESSURE, AND HEATING PERFORMANCE VALUES ARE CORRECTED FOR ALTITUDE.
5. SIZE UNITS ARE GIVEN IN INCHES, FLOW UNITS ARE CUBIC FEET PER MINUTE, PRESSURE UNITS ARE INCHES OF WATER, AND TEMPERATURE UNITS ARE DEGREES FAHRENHEIT.
6. WATER PRESSURE DROP IS IN FT. WATER.
7. INCLUDE FACTORY INSTALLED CONTROL ENCLOSURE, INLET SENSOR, HANGER BRACKETS, AND BOTH TOP AND BOTTOM ACCESS PANELS EACH UNIT.
8. DISCONNECT, CONTROL ENCLOSURE, AND PIPING CONNECTIONS SHALL BE ON SAME SIDE OF EACH UNIT.
9. "HC" = HIGH CAPACITY CIRCUITING.

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
MECHANICAL EQUIPMENT SCHEDULES

Date: September 23, 2022

Sheet No:

M0.02

DEDICATED OUTSIDE AIR UNIT SCHEDULE

TAG	AREA SERVED	MANUFACTURER & MODEL #	CFM	ESP/TSP	FAN RPM	COOLING COIL								HEATING COIL							OP. WEIGHT (LBS)	ELECTRICAL		
						TOTAL MBH	SENSIBLE MBH	EAT	LAT	EWT/LWT	GPM	WPD (FT)	APD ("WC)	MBH	EAT	LAT	EWT/LWT	GPM	WPD (FT)	APD ("WC)		VOLTS/ PHASE	MCA	MOP
DOAS 1	ANNEX	PACE PAO-30x51	2,500	1.5" / 2.54"	3,111	88.0	88.0	100 / 64	60	45 / 55	17	6.8	0.15	213	0	80	180 / 150	15	0.8	0.11	2,500	460V / 3PH	3.1	5
										TOTAL	17						TOTAL	15						

NOTES
1. FIELD VERIFY ALL COIL CONNECTION CONFIGURATIONS.
2. PREMIUM EFFICIENCY MOTORS.
3. O/A PROVIDED WITH WEATHER RAINHOOD
4. VFD'S TO BE SUPPLIED AND INSTALLED BY THE TEMPERATURE CONTROL CONTRACTOR. SEE VFD SCHEDULE FOR MORE INFORMATION.
5. PROVIDE LABELS ON ALL UNIT ACCESS DOORS LISTING COMPONENTS WITHIN.
6. DATA HEREIN CORRECTED FOR 4,500 FOOT ELEVATION

ACCESSORIES: (ALL UNITS UNLESS NOTED OTHERWISE)
1. FURNISH 4 TOTAL SETS OF FILTERS; CONSTRUCTION, BALANCING AND SPARE SET TO THE OWNER AT PROJECT COMPLETION.
2. MINIMUM 6" SPACE BETWEEN HEATING AND COOLING COILS. PROVIDE ACCESS DOOR TO SPACE BETWEEN COILS.
3. FACTORY INSTALLED AIR VENTS AT TOP OF EACH COIL.
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO CONNECT ALL FACTORY 460V AND ALL 120V WIRING AT EACH UNIT DE-MOUNT LOCATION, SEE UNIT ELECTRICAL LAYOUT DWGS.
5. SHAFT GROUNDING AT ALL MOTORS.
6. ELECTRICAL CONTRACTOR SHALL CONNECT 460V POWER TO THE DOAS CONTROL PANEL AND CONNECT FACTORY INSTALLED MOTOR WIRING TO VFD OUTPUT CONNECTIONS. SEPARATE 120V POWER SHALL BE CONNECTED TO FACTORY DISCONNECT SWITCH SERVING LIGHTING AND RECEPTACLES. 460 UNIT D.S. AND 120V LIGHT D.S.
7. MANUFACTURER SHALL PROVIDE INSTRUMENT TEST PORT COVERS AT THE MIDDLE OF EACH ACCESS DOOR. TEST PORT COVERS SHALL BE VENTLOK MODEL 699, OR APPROVED EQUAL.
8. INDIVIDUAL FACTORY SUPPLY FAN BACKDRAFT DAMPERS FOR MAX 0.1"WC PRESSURE DROP.

DIRECT EXPANSION SPLIT SYSTEM

TAG	AREA SERVED	MANUFACTURER & MODEL #	TONS	SEER	COOLING MBH	HEATING MBH	INDOOR ELECTRICAL		OUTDOOR ELECTRICAL			
							MCA	FLA	VOLTS/ PHASE	MCA	MOCP	FLA
ACI 1 ACO 1	HEROES BASEMENT - MDF H015	TRANE MITSUBISHI TPKA0A0241K70A & TRUZA0241HA70(N/B)A	2	21.4	24 @ 95°F AMBIENT	15.7 @ 17°F AMBIENT	1	0.36	460V / 3PH	19.0	26.0	0.4

ACCESSORIES:
1. ACI - WIRED CONTROLLER AND MINI CONDENSATE PUMP
2. ACO - FURNISH WITH WIND BAFFLE, LOW AMBIENT CONTROL, AND HAIL GUARD

NOTES:
1. ACI POWERED BY ACO.
2. SEE SPECIFICATION FOR REFRIGERANT PIPING PRESSURE TESTING, EVACUATION, AND CHARGING REQUIREMENTS
3. R-410A REFRIGERANT

EXHAUST FAN SCHEDULE

SYMBOL	AREA SERVED	GREENHECK MODEL #	DRIVE TYPE	CFM	ESP ("WC)	FAN RPM	MAX SONES	MOTOR HP	VOLTS/ PHASE	OP WGT. (LBS)	ACCESSORIES
EF 1	HEROES - RR H003, H104, H204	CUE-090-VG	DIRECT	380	0.30	1307	5.6	1/10	115V / 1P	40	1,2,3,4,5,6
EF 2	ANNEX - EAST	CUE-090-VG	DIRECT	555	0.50	1693	8.6	1/10	115V / 1P	40	1,2,3,4,5,6
EF 3	ANNEX - SOUTH	CUE-120-VG	DIRECT	1200	0.50	1320	11.2	1/4	115V / 1P	50	1,2,3,4,5,6
EF 4	ANNEX - NORTH	CUE-085-VG	DIRECT	465	0.30	1349	5.8	1/10	115V / 1P	40	1,2,3,4,5,6

NOTE: DATA HEREIN CORRECTED FOR 4,500 FOOT ELEVATION
ACCESSORIES:
1. UL/CUL 705 LISTED
2. PITCHED SEISMIC ROOF CURB 14" ABOVE FINISHED ROOF
3. BACK DRAFT DAMPER
4. BIRDSCREEN: GALVANIZED
5. VARI-GREEN EC MOTOR
6. NEMA-1 TOGGLE SWITCH

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
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Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

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REV	DATE	DESCRIPTION

Sheet Title
MECHANICAL EQUIPMENT SCHEDULES

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M0.03

LIQUID TO LIQUID HEAT EXCHANGER SCHEDULE

SYMBOL	DUTY	TYPE	MANUFACTURER & MODEL #	GPM		P.D. PSI		EWT / LWT		MBH EXCHANGE	OPER. WGT.
				HOT	COLD	HOT	COLD	HOT	COLD		
HX 2	ANNEX CHILLED BEAMS - COOLING	PLATE & FRAME	SONDEX	20	20	1.58	1.48	65 / 55	45 / 54.98	100.1	120
HX 3	ANNEX CHILLED BEAMS - HEATIING	PLATE & FRAME	SONDEX	20	20	4.62	3.97	180 / 169.81	90 / 100	99.4	91

NOTE:
1. DESIGN PRESSURE XXX PSIG
2. FACTORY PORT FILTERS AT BOTH INLETS

CHILLED BEAMS

ZONE TAG	ROOM	PRODUCT		KRUEGER MODEL	OA (PER BEAM)		COOLING (PER ZONE)							HEATING (PER ZONE)						
		QTY	LENGTH		CFM	APD	MBH	EAT	EWT	LAT	LWT	GPM	WPD (IN W.C.)	MBH	EAT	EWT	LAT	LWT	GPM	WPD (IN W.C.)
CB 1-01	VET. HALL KITCHEN A108	6	48	ASB-C-R	35	0.48	9.8	75	55	60	68.9	1.00	0.3	8.8	73	100	80	84.9	1.00	0.8
CB 1-02	ADA ENTRY A107	2	48	ASB-C-R	45	0.77	4.8	75	55	60	64.7	0.75	1.2	5.1	73	100	80	91.0	1.00	6.4
CB 1-03	VETERAN HALL A105	6	48	ASB-D-R	70	0.82	18.2	75	55	60	65.0	2.50	1.5	13.2	73	100	80	85.8	1.50	1.8
CB 1-04	CONFERENCE ROOM A109	2	48	ASB-D-R	70	0.84	7.1	75	55	60	61.9	1.50	4.5	5.5	73	100	80	90.7	1.00	6.4
CB 1-05	VET. HALL CON. RM. A106	2	48	ASB-C-R	45	0.77	5.8	75	55	60	61.1	1.50	4.5	5.1	73	100	80	91.0	1.00	6.4
CB 1-06	VET. HALL LOBBY A104	2	48	ASB-D-R	65	0.78	6.2	75	55	60	63.9	1.00	2.1	6.7	73	100	80	95.3	2.50	35.6
CB 1-07	ELEVATOR LOBBY B A101	2	96	ASB-C-R	75	0.54	8.5	75	55	60	67.9	1.00	3.8	10.1	73	100	80	90.8	2.00	49.1
CB 2-01	PRIVATE OFFICE A211	1	96	ASB-E-R	200	0.87	8.5	75	55	60	64.1	1.25	21.3	6.2	73	100	80	86.7	0.75	28.4
CB 2-02	PRIVATE OFFICE A210	2	48	ASB-C-R	45	0.77	4.3	75	55	60	67.3	0.50	0.6	4.1	73	100	80	86.1	0.50	1.8
CB 2-03	PRIVATE OFFICE A209	2	48	ASB-C-R	45	0.77	4.8	75	55	60	64.7	0.75	1.2	4.1	73	100	80	86.1	0.50	1.8
CB 2-04	PRIVATE OFFICE A206	2	48	ASB-D-R	65	0.78	5.8	75	55	60	65.6	0.75	1.2	4.3	73	100	80	86.1	0.50	1.8
CB 2-05	PRIVATE OFFICE A020	1	48	ASB-D-R	135	0.78	6.9	75	55	60	65.0	1.00	14.0	6.0	73	100	80	89.7	1.00	49.1
CB 2-06	ELEVATOR LOBBY D A201	2	48	ASB-B-R	30	0.73	3.6	75	55	60	66.1	0.50	0.6	3.1	73	100	80	89.4	0.50	1.8
CB 2-07	CONFERENCE ROOM A216	1	96	ASB-E-R	220	1.05	8.5	75	55	60	65.9	1.00	14.0	7.8	73	100	80	89.7	1.25	74.9
CB 2-08	HALLWAY A202	1	48	ASB-D-R	50	0.46	3.1	75	55	60	59.7	1.00	7.6	2.3	73	100	80	94.6	0.75	13.5
CB 2-09	OPEN OFFICE A207	1	48	ASB-D-R	65	0.78	3.4	75	55	60	61.8	0.75	4.4	3.2	73	100	80	94.5	1.00	23.3
CB 2-10	PRIVATE OFFICE A214	1	48	ASB-C-R	40	0.68	2.5	75	55	60	62.7	0.50	2.1	2.7	73	100	80	93.5	0.75	13.5
CB 2-11	PRIVATE OFFICE A213	1	96	ASB-D-R	125	0.67	6.6	75	55	60	64.7	1.00	14.0	5.6	73	100	80	90.3	1.00	49.1
CB 2-12	KITCHENNET & LOUNGE A215	1	48	ASB-D-R	65	0.78	3.1	75	55	60	63.8	0.50	2.1	3.2	73	100	80	94.5	1.00	23.3
	CUMULATIVE TOTAL FOR ALL BEAMS				2500						TOTAL	18.8						TOTAL	19.5	

NOTE:
1. DATA HEREIN CORRECTED FOR 4,500 FOOT ELEVATION
2. ALL VISIBLE PARTS SHALL BE FACTORY PAINTED WHITE, 20% GLOSS.
3. MAXIMUM OPERATING PRESSURE = 150 PSI

ACCESSORIES:
1. TAP FOR AIRFLOW MEASUREMENT
2. EACH CB ZONE SHALL RECEIVE COIL KIT, SEE 5/M6.03
3. EACH BEAM SHALL BE INSTALLED WITH A MANUAL BALANCE VALVE FOR BOTH HEATING AND COOLING. BV GPM = (ZONE GPM) / (QTY OF BEAMS)

EQUIPMENT PIPING SCHEDULE

EQUIPMENT	GPM	CONTROL VALVE CV (REF)	BRANCH PIPE SIZE	EQUIPMENT	GPM	CONTROL VALVE CV (REF)	BRANCH PIPE SIZE	EQUIPMENT	GPM	CONTROL VALVE CV (REF)	BRANCH PIPE SIZE
AHU-1				AHU-2				AHU-3			
AHU-1A CHW	10	5	1.25	AHU-2A CHW	23	11.5	2	AHU-3A CHW	21	10.5	2
AHU-1A HW	4	2	1	AHU-2A HW	8	4	1.25	AHU-3A HW	8	4	1.25
TU-1-1	1	0.5	0.75	TU-2-1	0.5	0.25	0.75	TU-3-1	0.5	0.25	0.75
TU-1-2	0.33	0.165	0.75	TU-2-2	0.5	0.25	0.75	TU-3-2	0.5	0.25	0.75
TU-1-3	0.75	0.375	0.75	TU-2-3	0.5	0.25	0.75	TU-3-3	0.75	0.375	0.75
TU-1-4	0.75	0.375	0.75	TU-2-4	1	0.5	0.75	TU-1-4	0.75	0.375	0.75
				TU-2-5	1.25	0.625	0.75	TU-3-5	0.5	0.25	0.75
				TU-2-6	0.5	0.25	0.75	TU-3-6	0.5	0.25	0.75
				TU-2-7	1	0.5	0.75	TU-3-7	0.5	0.25	0.75
				TU-2-8	1	0.5	0.75	TU-3-8	0.5	0.25	0.75
				TU-2-9	1	0.5	0.75	TU-3-9	0.5	0.25	0.75
				TU-2-10	1	0.5	0.75	TU-3-10	0.75	0.375	0.75
				TU-2-11	1	0.5	0.75	TU-3-11	1.25	0.625	0.75
								TU-3-12	0.75	0.375	0.75
CHILLED BEAMS - ANNEX LEVEL 1				CHILLED BEAMS - ANNEX LEVEL 2				MUA-1			
CB 1-01 C	1	0.5	0.75	CB 2-01 C	1.25	0.625	0.75	MUA-1 C	17	8.5	1.5
CB 1-01 H	1	0.5	0.75	CB 2-01 H	0.75	0.375	0.75	MUA-1 H	15	7.5	1.5
CB 1-02 C	0.75	0.375	0.75	CB 2-02 C	0.5	0.25	0.75	FAN COILS			
CB 1-02 H	1	0.5	0.75	CB 2-02 H	0.5	0.25	0.75	FC-1 CHW	3	1.5	0.75
CB 1-03 C	2.5	1.25	0.75	CB 2-03 C	0.75	0.375	0.75				
CB 1-03 H	1.5	0.75	0.75	CB 2-03 H	0.5	0.25	0.75				
CB 1-04 C	1.5	0.75	0.75	CB 2-04 C	0.75	0.375	0.75				
CB 1-04 H	1	0.5	0.75	CB 2-04 H	0.5	0.25	0.75				
CB 1-05 C	1.5	0.75	0.75	CB 2-05 C	1	0.5	0.75				
CB 1-05 H	1	0.5	0.75	CB 2-05 H	1	0.5	0.75				
CB 1-06 C	1	0.5	0.75	CB 2-06 C	0.5	0.25	0.75				
CB 1-06 H	2.5	1.25	0.75	CB 2-06 H	0.5	0.25	0.75				
CB 1-07 C	1	0.5	0.75	CB 2-07 C	1	0.5	0.75				
CB 1-07 H	2	1	0.75	CB 2-07 H	1.25	0.625	0.75				
				CB 2-08 C	1	0.5	0.75				
				CB 2-08 H	0.75	0.375	0.75				
				CB 2-09 C	0.75	0.375	0.75				
				CB 2-09 H	1	0.5	0.75				
				CB 2-10 C	0.5	0.25	0.75				
				CB 2-10 H	0.75	0.375	0.75				
				CB 2-11 C	1	0.5	0.75				
				CB 2-11 H	1	0.5	0.75				
				CB 2-12 C	0.5	0.25	0.75				
				CB 2-12H	1	0.5	0.75				

NOTES:
- ALL CONTROL VALVES SHOWN ABOVE TO BE 2-WAY
- CONTRACTOR SHALL INCLUDE IN BID (INCLUDING PARTS AND LABOR) THE MEANS TO CHANGE OUT THE CARTRIDGES IN A MINIMUM OF (5) FLOW CONTROL VALVES IF SUCH A PROVISION BECOMES NECESSARY DURING THE COMMISSIONING AND/OR TEST & BALANCE PHASES OF THE PROJECT.

PUMP SCHEDULE

SYMBOL	DUTY	MANUFACTURER MODEL #	TYPE	GPM	TDH (FT.)	SIZE	MIN. EFF.	MOTOR HP	VOLTS/ PHASE	RPM	OP WGT. (LBS)	ACCESSORIES
P 7	ANNEX CHILLED BEAMS - COOLING	TACO 1915e	IN-LINE	20	50.0	7.10	35%	1.5	460V / 3P	1760	120	1
P 8	ANNEX CHILLED BEAMS - COOLING	TACO 1915e	IN-LINE	20	50.0	7.10	35%	1.5	460V / 3P	1760	120	1
P 9	ANNEX CHILLED BEAMS - HEATING	TACO 1915e	IN-LINE	20	50.0	7.10	35%	1.5	460V / 3P	1760	120	1
P 10	ANNEX CHILLED BEAMS - HEATING	TACO 1915e	IN-LINE	20	50.0	7.10	35%	1.5	460V / 3P	1760	120	1

NOTE:
1. ALL MOTORS 1 HP AND HIGHER SHALL BE PREMIUM EFFICIENCY MOTORS

EXPANSION TANKS

SYMBOL	DUTY	ELBI MODEL NO.	TANK GALLONS	ACCEPTANCE GALLONS	APPROX. SYSTEM VOLUME (REF.)	CHARGE PRESSURE	OPER. WGT. (LBS.)
ET 3	ANNEX CHILLED BEAMS - COOLING	HTS-45	12	12	90	15	
ET 4	ANNEX CHILLED BEAMS - HEATING	HTS-45	12	12	90	15	

NOTES (ALL UNITS)
1. REPLACEABLE BLADDER
2. BOTTOM CONNECTION.

AIR / DIRT SEPARATORS

SYMBOL	DUTY	MODEL NO.	SIZE	RATE GPM	P.D. (FT.)	OPER. WGT. (LBS.)
AS 3	ANNEX CHILLED BEAMS - COOLING	THRUSH SV (R/F)-2.5	2-1/2"	70		125
AS 4	ANNEX CHILLED BEAMS - HEATING	THRUSH SV (R/F)-2.5	2-1/2"	70		125

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

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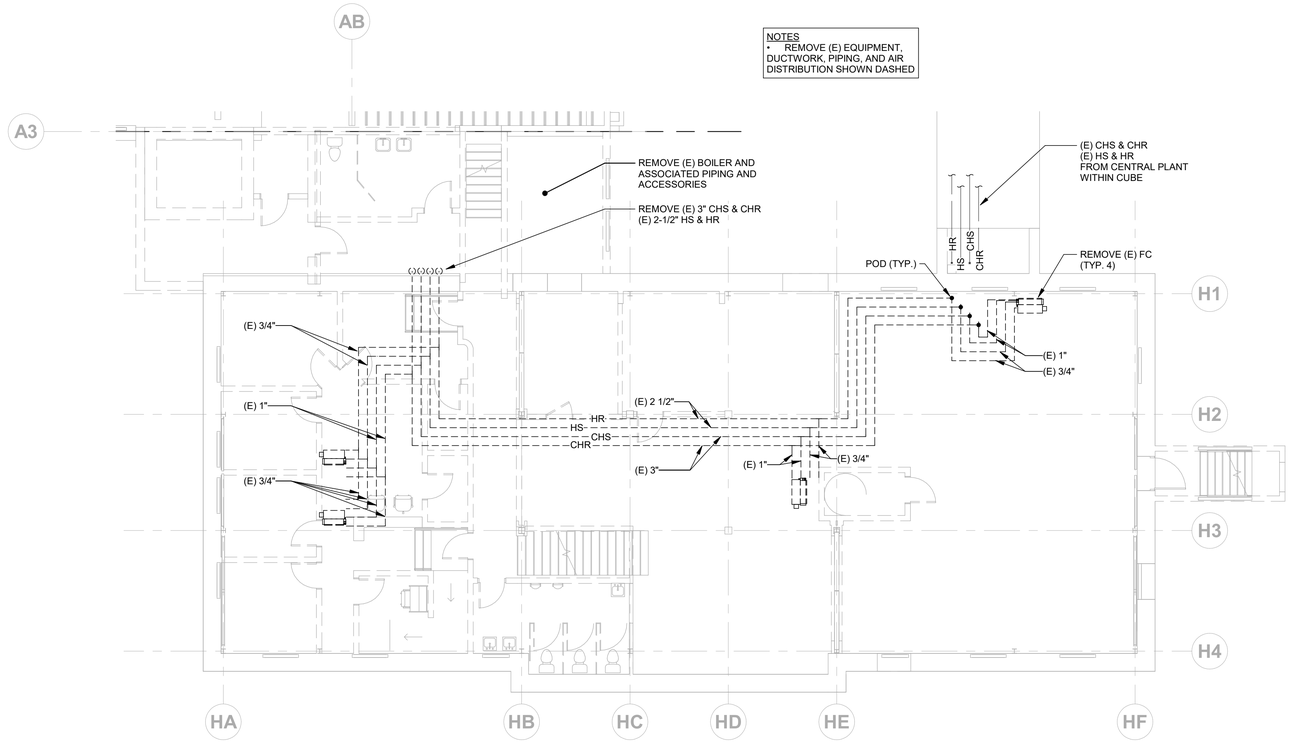
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Sheet Title
MECHANICAL EQUIPMENT SCHEDULES

Date: September 23, 2022

Sheet No:
M0.04

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MECHANICAL HEROES LEVEL 0 DEMOLITION PLAN (1 / M1.01)

SCALE: 1/8" = 1'-0"

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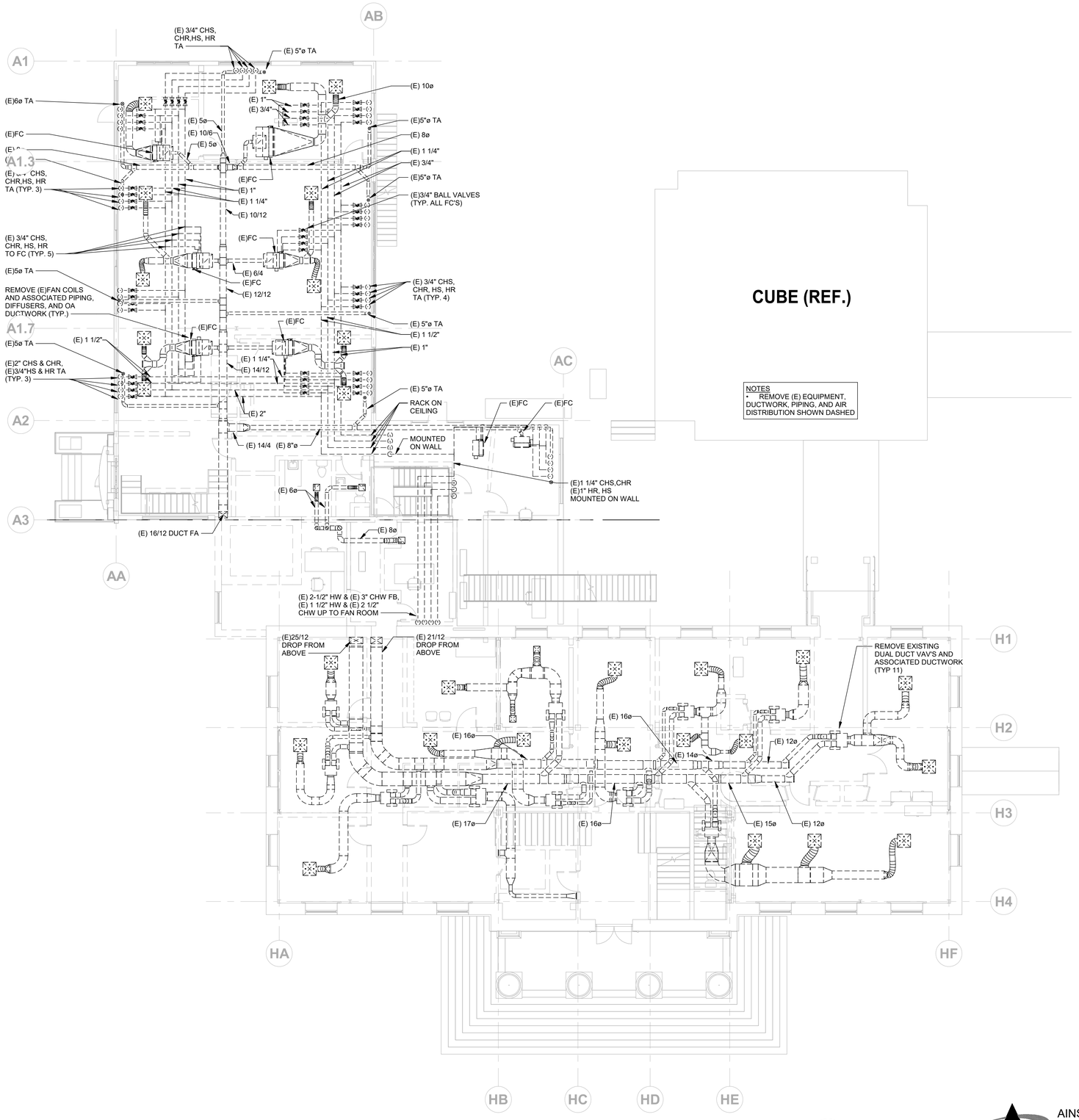
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MECHANICAL HEROES LEVEL 0 DEMOLITION PLAN

Date: September 23, 2022

Sheet No:

M1.01



MECHANICAL HEROES LEVEL 1 / ANNEX LEVEL 1 DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

1 / M1.02

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HEROES MEMORIAL BUILDING & ANNEX

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50% CONSTRUCTION DOCUMENTS

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REV	DATE	DESCRIPTION

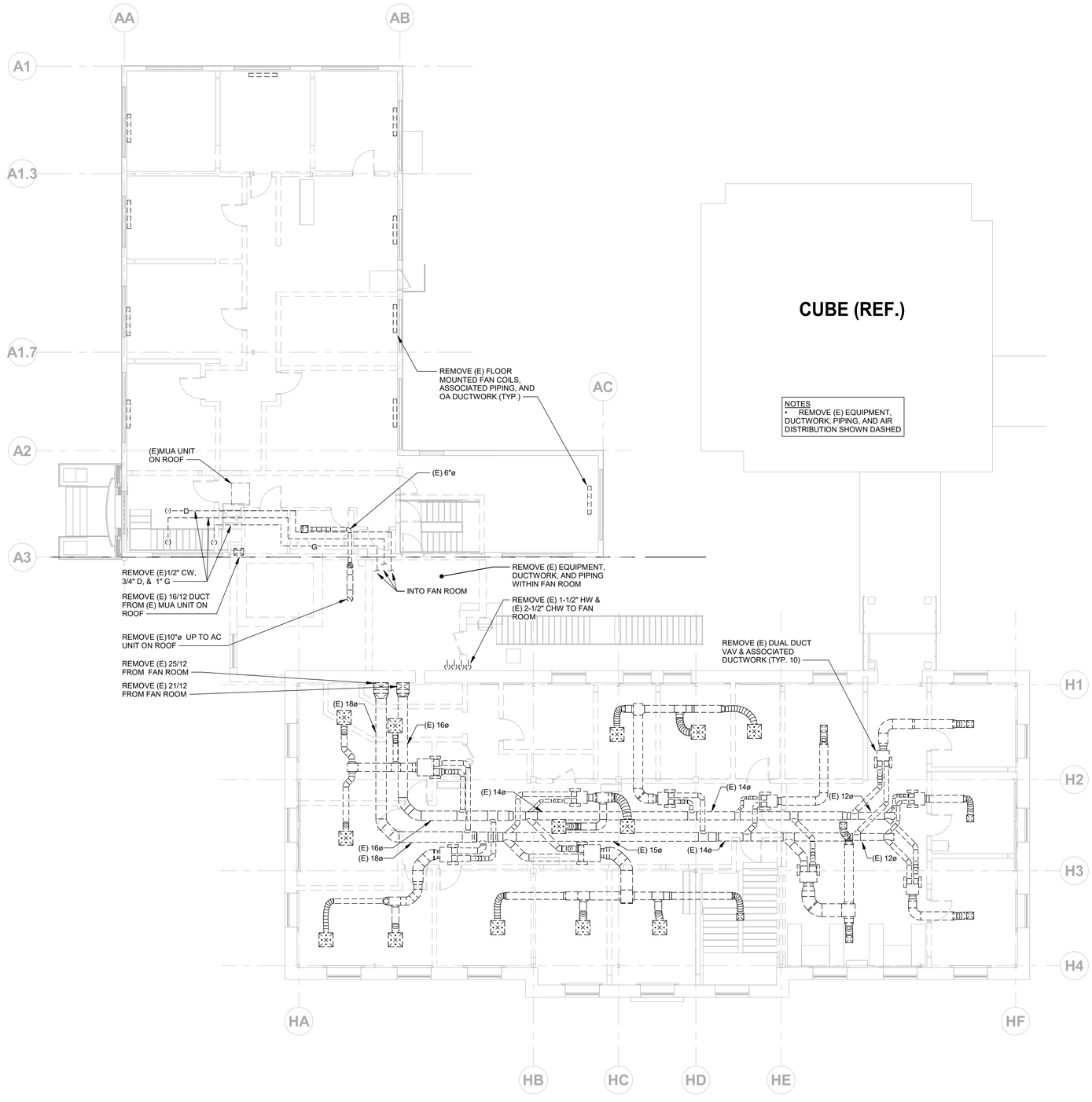
Sheet Title

MECHANICAL HEROES LEVEL 1 DEMOLITION PLAN

Date: September 23, 2022

Sheet No:

M1.02



MECHANICAL HEROES LEVEL 2 / ANNEX LEVEL 2 DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

1 / M1.03

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

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SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

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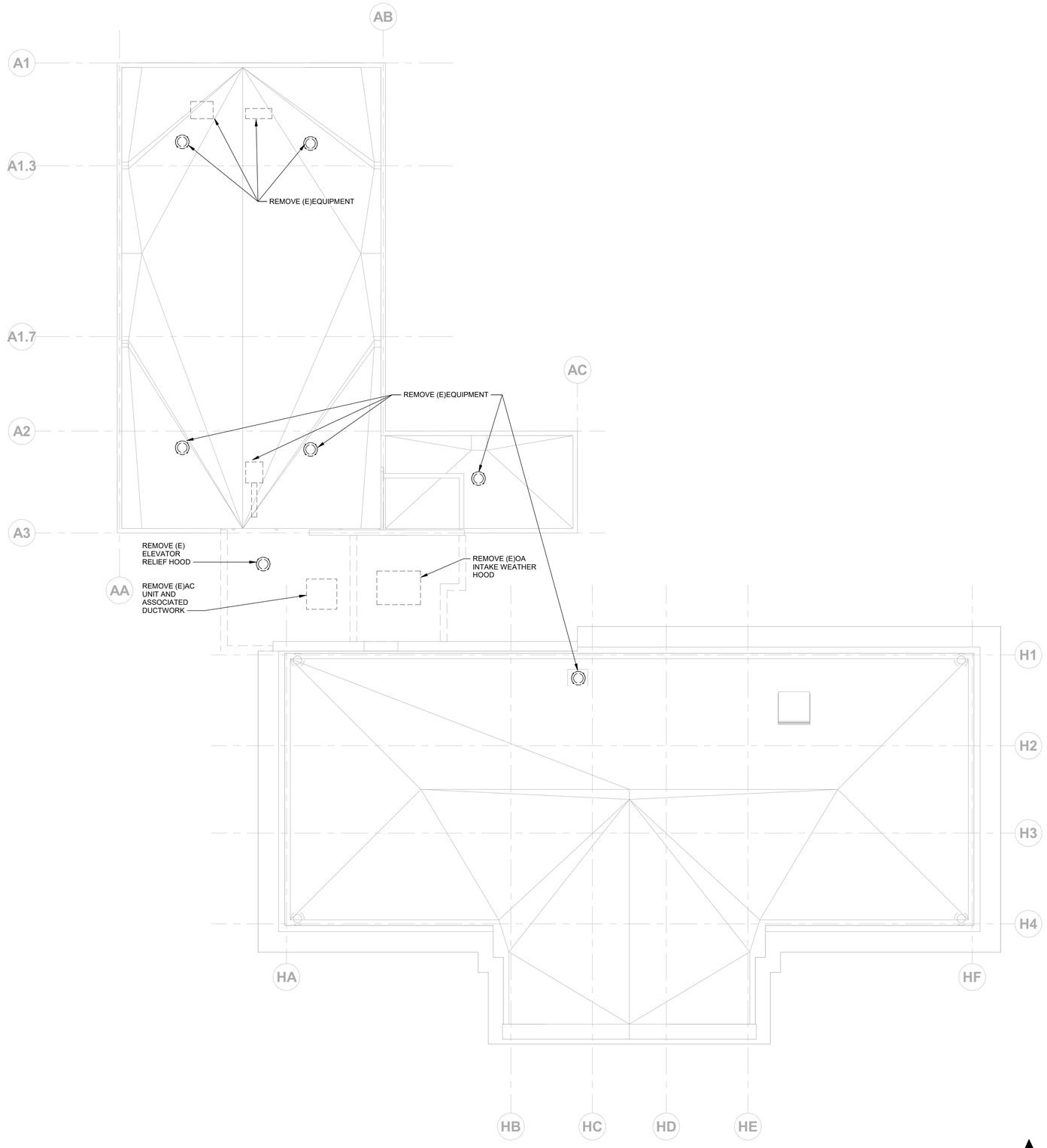
Sheet Title

MECHANICAL HEROES LEVEL 2 DEMOLITION PLAN

Date: September 23, 2022

Sheet No:

M1.03



MECHANICAL ROOF DEMOLITION PLAN 1 M1.04

SCALE: 1/8" = 1'-0"

N

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MECHANICAL DEMOLITION ROOF PLAN

Date: September 23, 2022

Sheet No:

M1.04

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MECHANICAL HEROES LEVEL 0 ZONING PLAN

1 / M1.11

SCALE: 1/8" = 1'-0"

N

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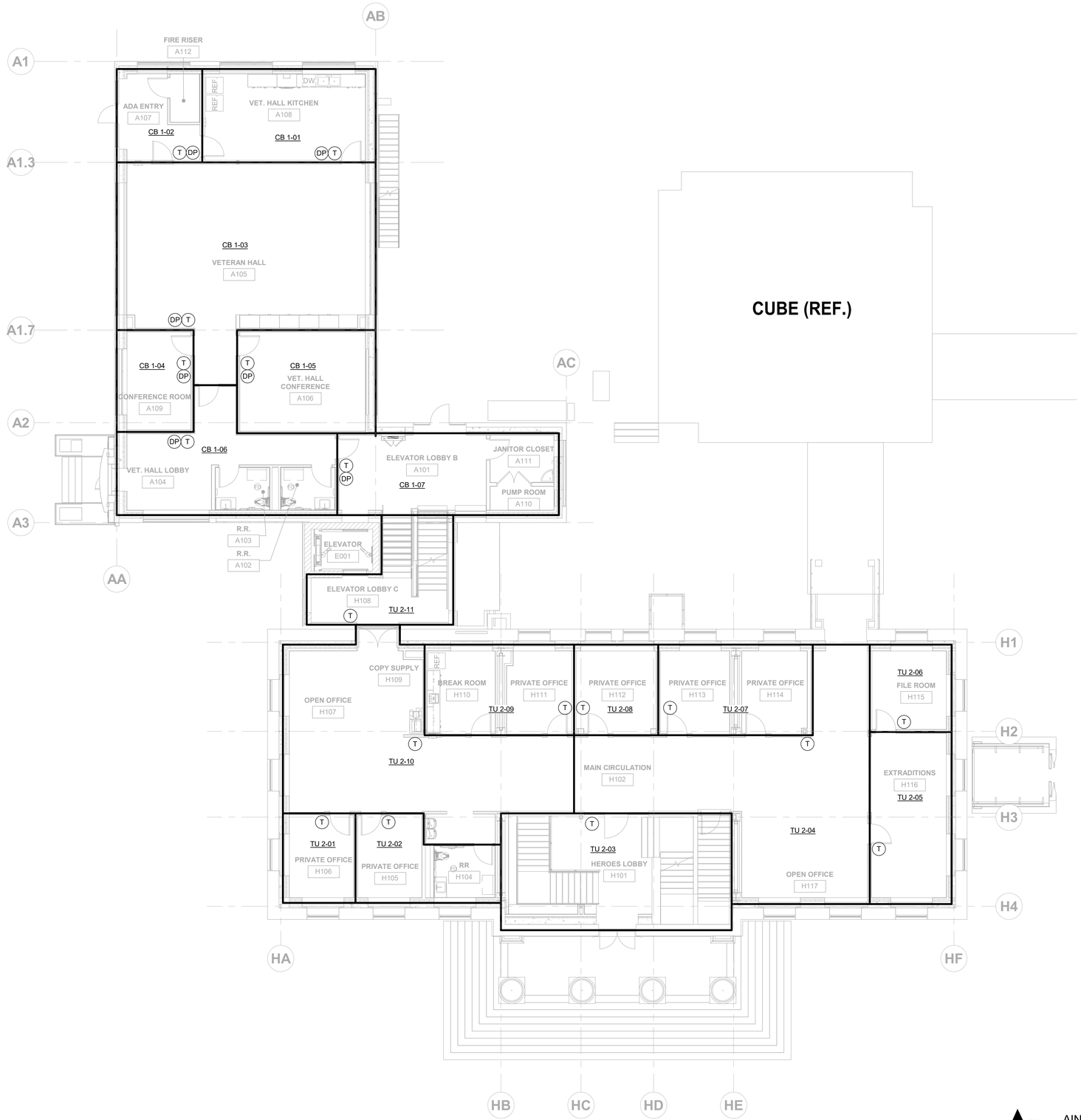
Sheet Title

MECHANICAL LEVEL 0 ZONING PLAN

Date: September 23, 2022

Sheet No:

M1.11



MECHANICAL HEROES LEVEL 1 / ANNEX LEVEL 1 ZONING PLAN

SCALE: 1/8" = 1'-0"

1 / M1.12

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MECHANICAL LEVEL 1 ZONING PLAN

Date: September 23, 2022

Sheet No:

M1.12

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MECHANICAL HEROES LEVEL 2 / ANNEX LEVEL 2 ZONING PLAN

1 / M1.13

SCALE: 1/8" = 1'-0"

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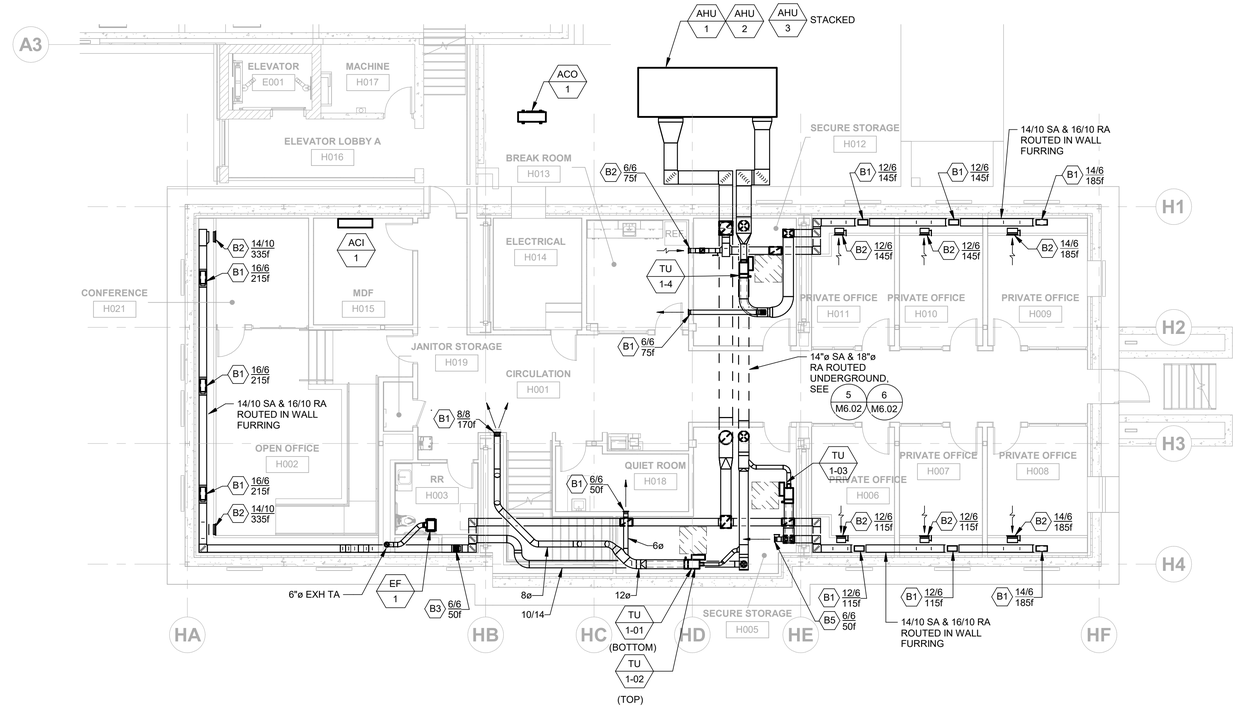
MECHANICAL LEVEL 2 ZONING PLAN

Date: September 23, 2022

Sheet No:

M1.13

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MECHANICAL HEROES LEVEL 0 NEW PLAN

1 / M1.21

SCALE: 1/8" = 1'-0"

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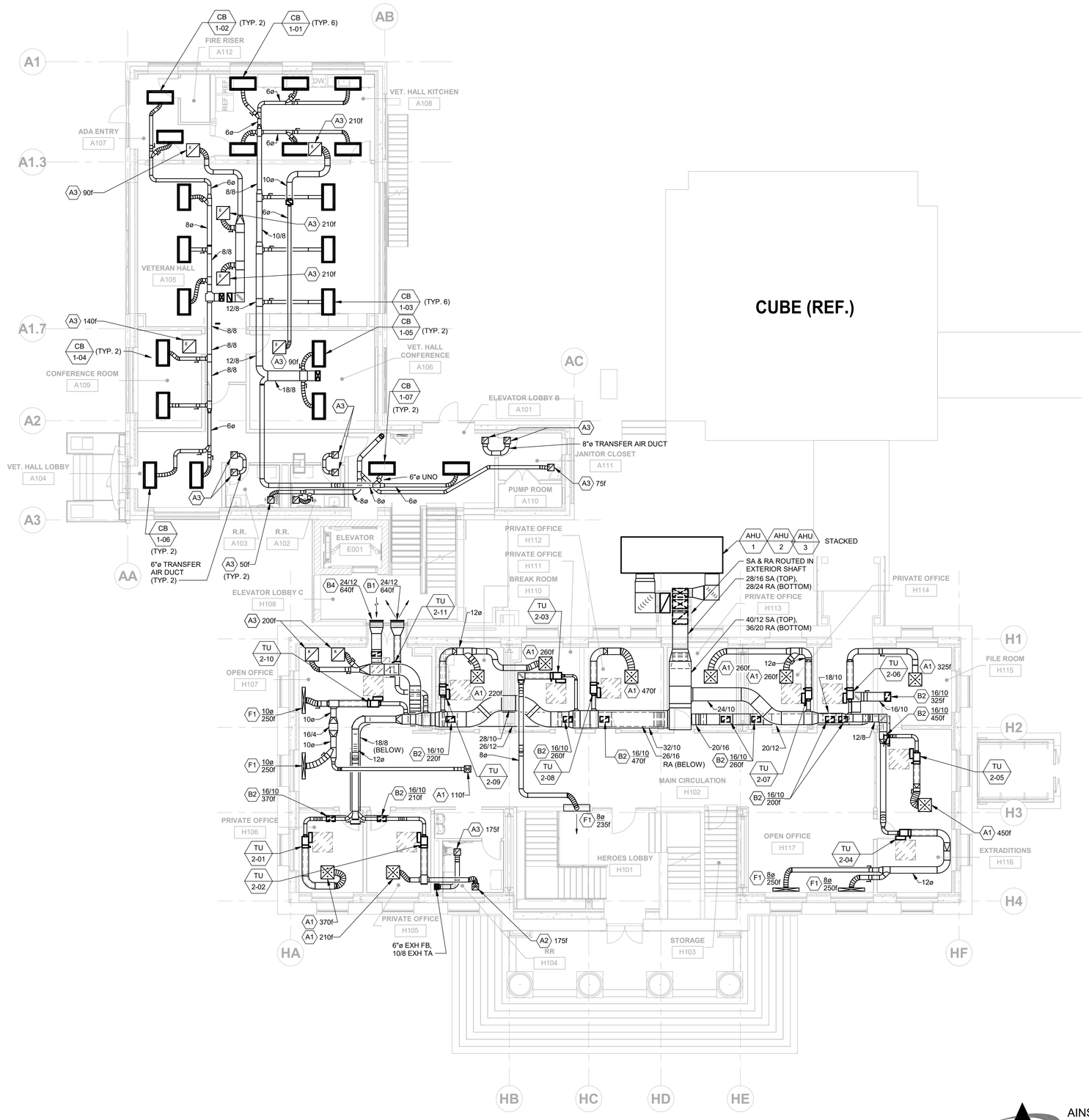
MECHANICAL HEROES LEVEL 0 NEW PLAN

Date: September 23, 2022

Sheet No:

M1.21

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MECHANICAL HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN

SCALE: 1/8" = 1'-0"

1 / M1.22

N

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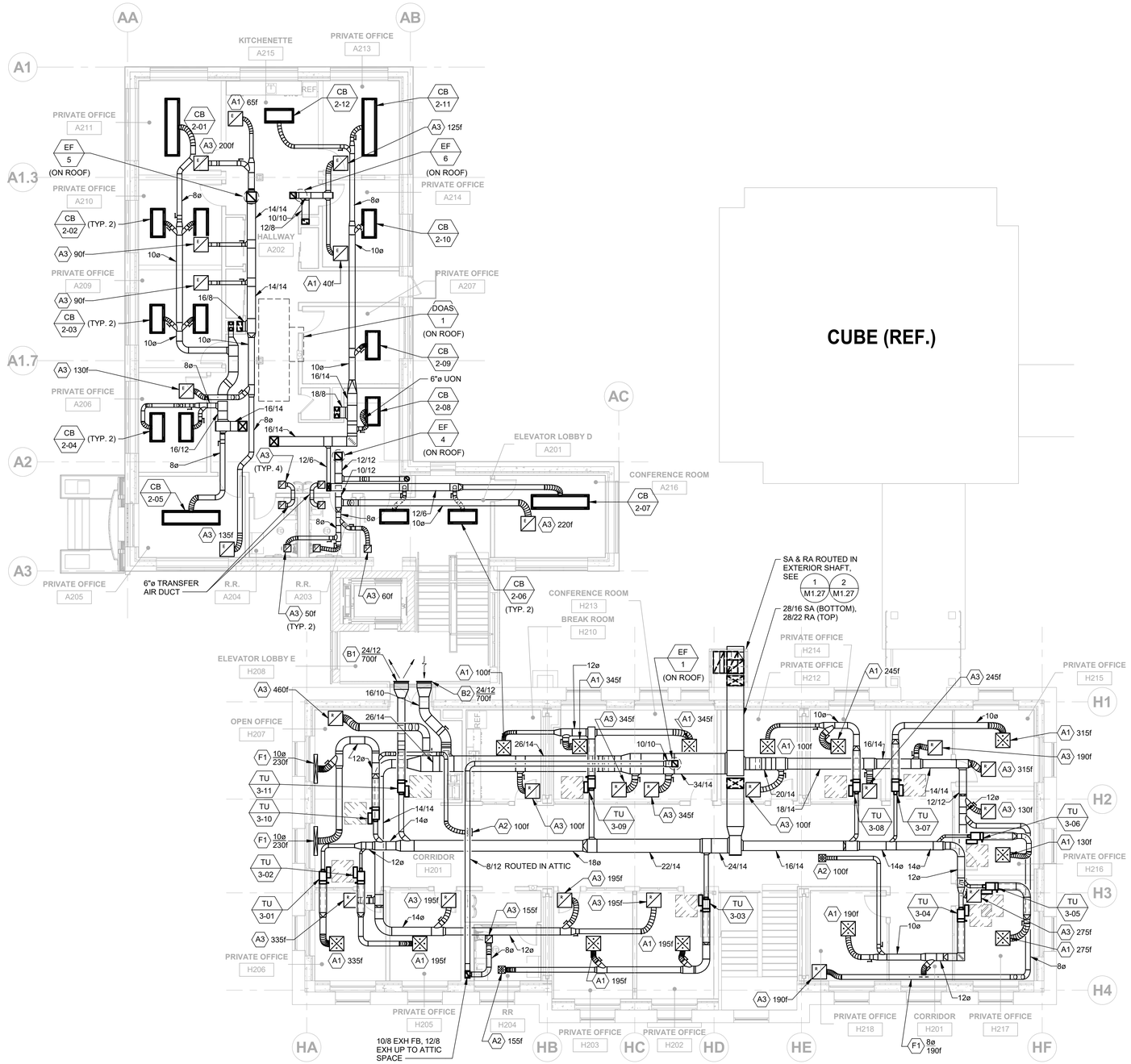
Sheet Title

MECHANICAL HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN

Date: September 23, 2022

Sheet No:

M1.22



MECHANICAL HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN

1 / M1.23

SCALE: 1/8" = 1'-0"

N

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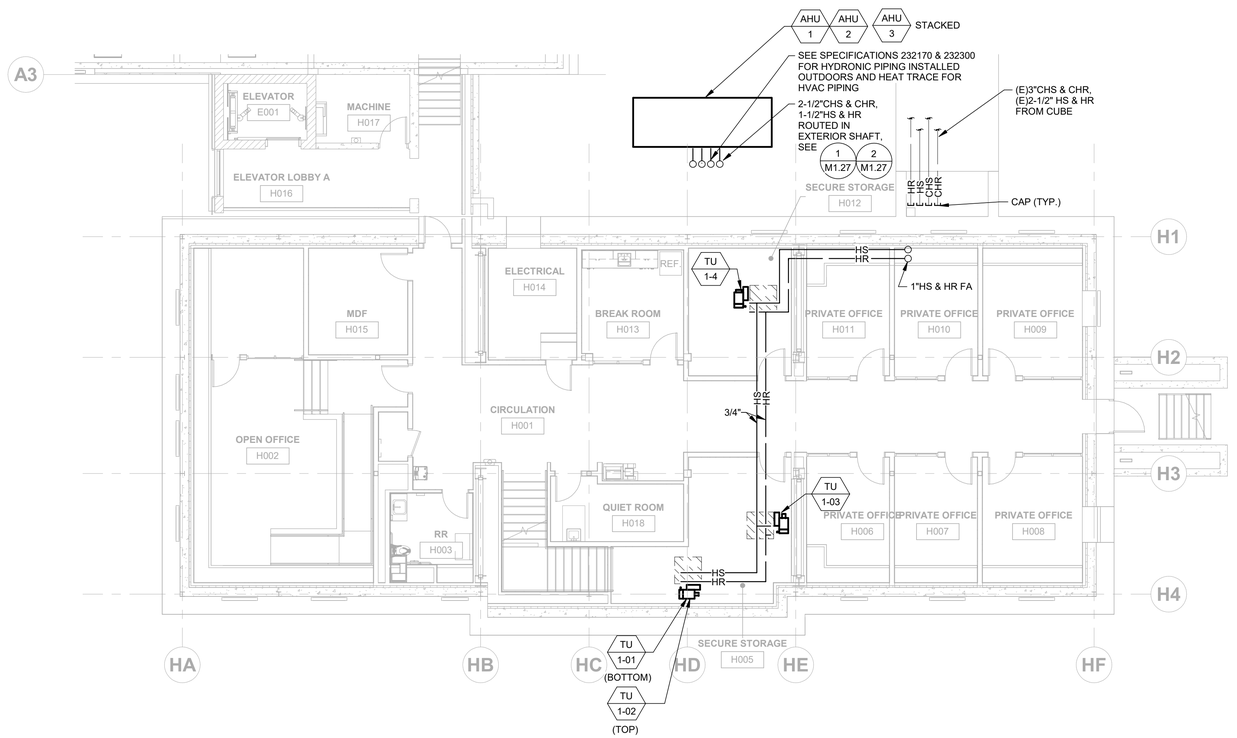
Sheet Title

MECHANICAL HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN

Date: September 23, 2022

Sheet No:

M1.23



MECHANICAL HEROES LEVEL 0 NEW PLAN - PIPING

1 / M1.24

SCALE: 1/8" = 1'-0"

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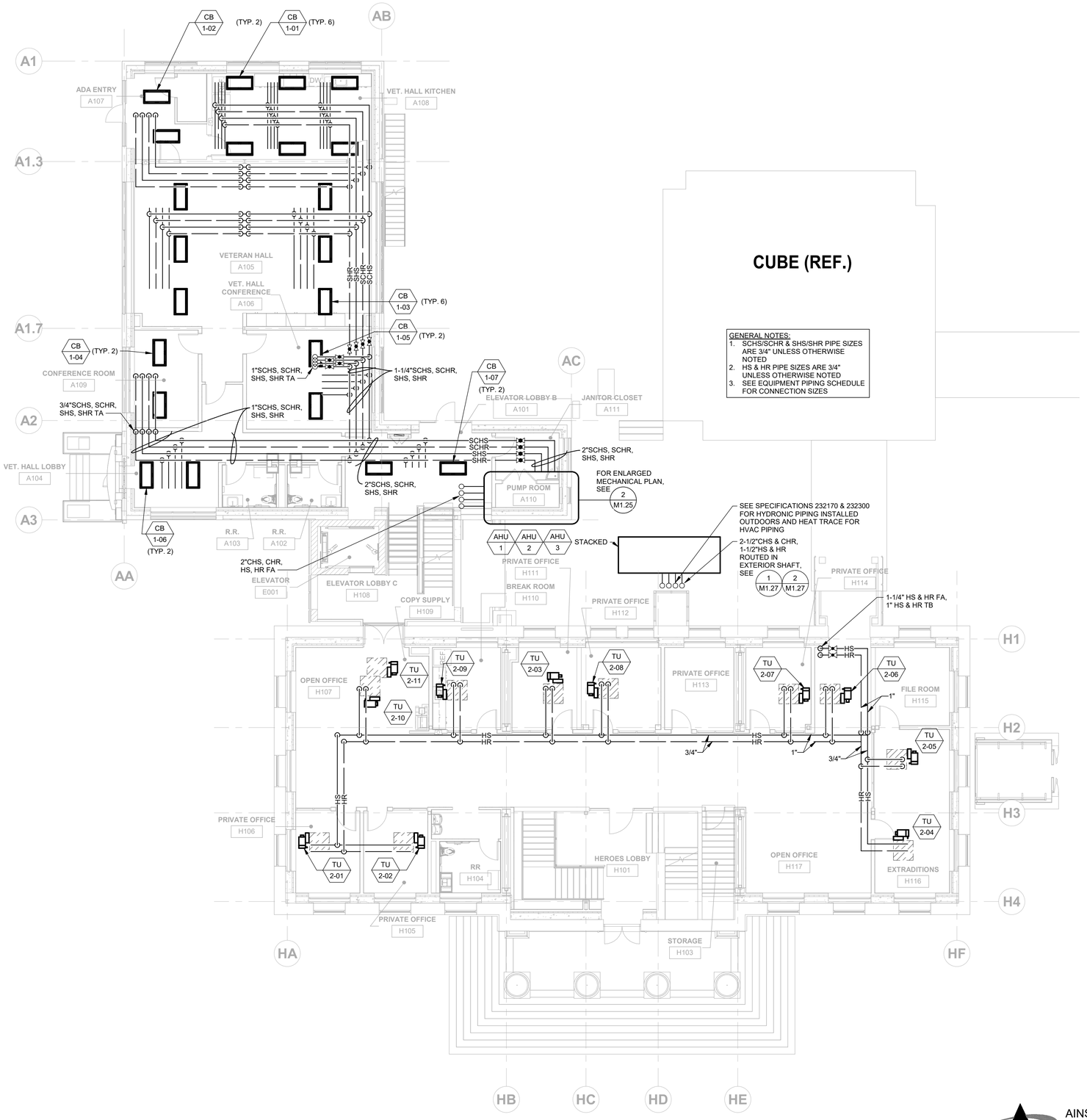
MECHANICAL HEROES LEVEL 0 NEW PLAN - PIPING

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MECHANICAL HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN - PIPING 1 M1.25

SCALE: 1/8" = 1'-0"

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MECHANICAL HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN - PIPING

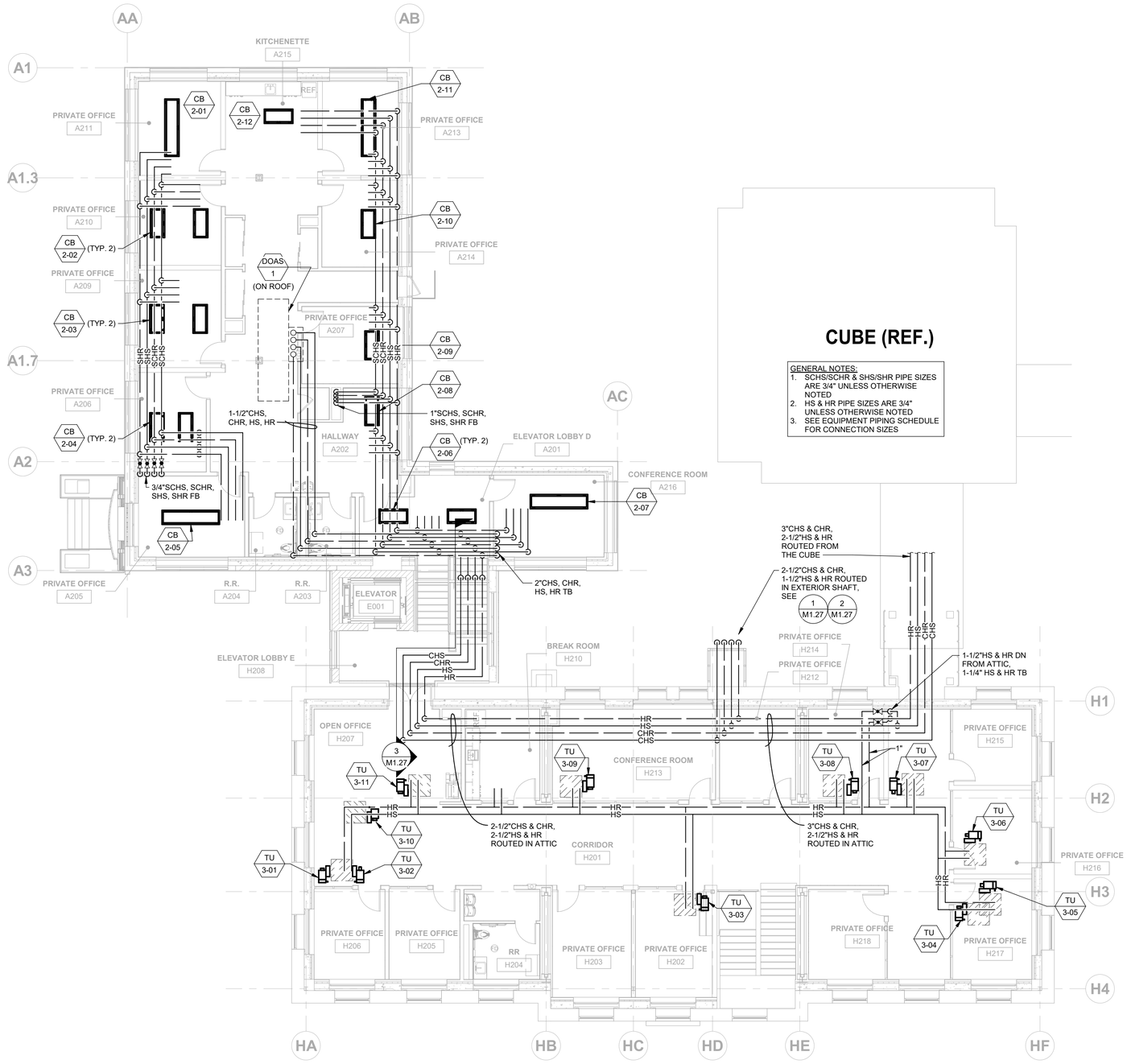
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MECHANICAL HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN - PIPING

SCALE: 1/8" = 1'-0"

1 / M1.26

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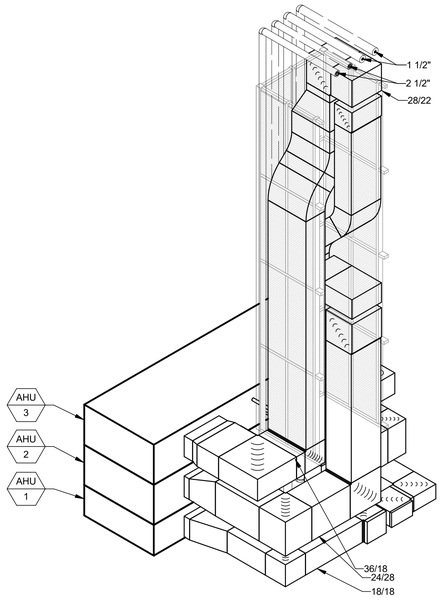
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Date: September 23, 2022

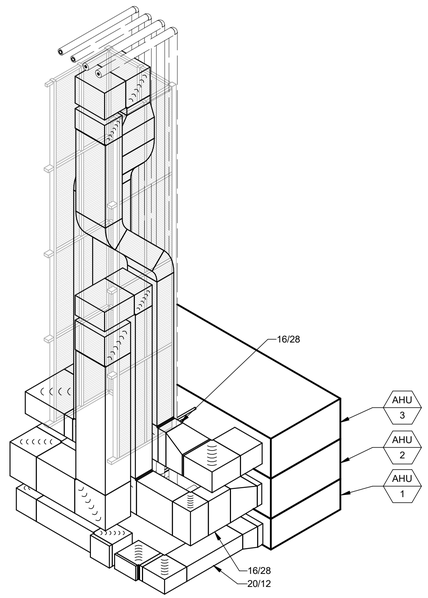
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M1.26



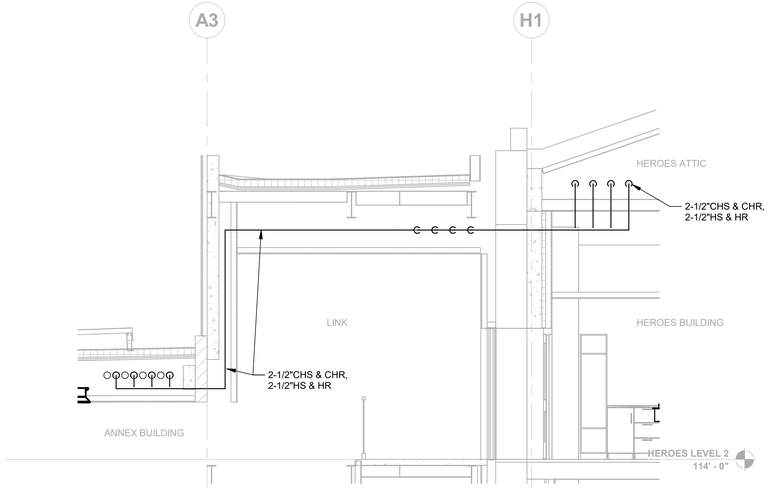
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SCALE: NONE



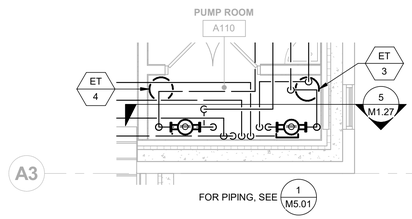
EXTERIOR MECHANICAL CHASE B (2 / M1.27)

SCALE: NONE



MECHANICAL ELEVATION - HYDRONIC PIPING FROM HEROES TO ANNEX (3 / M1.27)

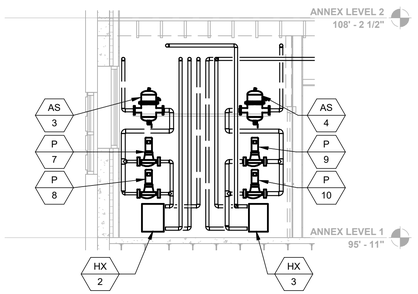
SCALE: 1/4" = 1'-0"



MECHANICAL ENLARGED PLAN - PUMP ROOM (4 / M1.27)

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

N



MECHANICAL ELEVATION - PUMP ROOM A110 (5 / M1.27)

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

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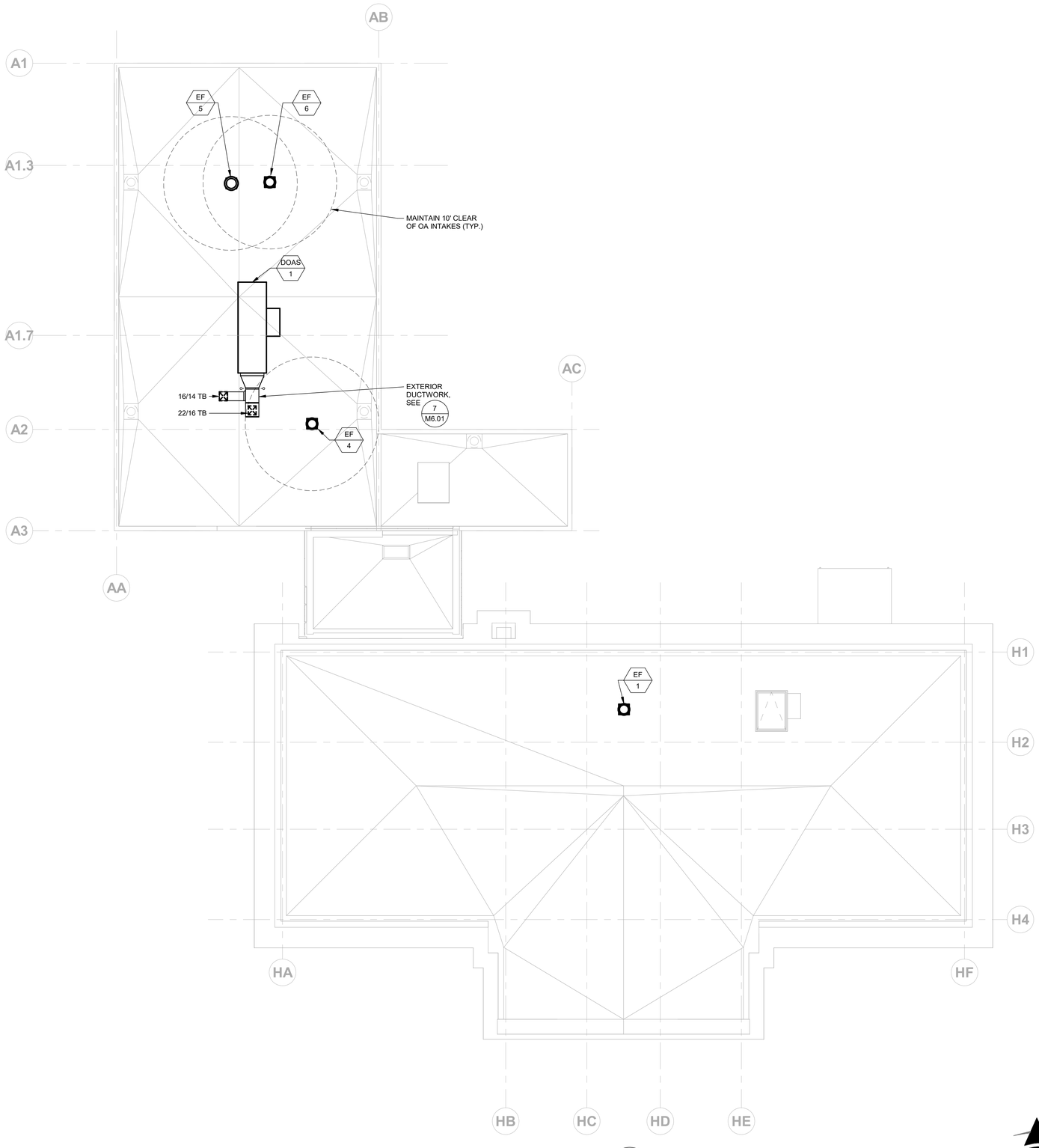
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Sheet Title
MECHANICAL ISOMETRICS, SECTIONS

Date: September 23, 2022

Sheet No:

M1.27



MECHANICAL ROOF PLAN (1/M1.28)

SCALE: 1/8" = 1'-0"

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

MECHANICAL ROOF PLAN

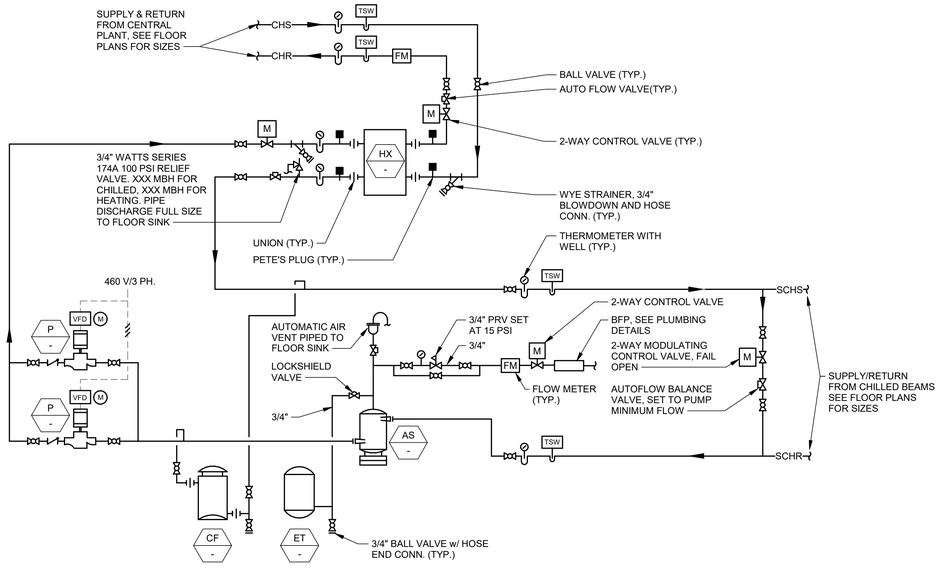
Date: September 23, 2022

Sheet No:

M1.28

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SENSIBLE PIPING (1 / M5.01)
SCALE: NONE

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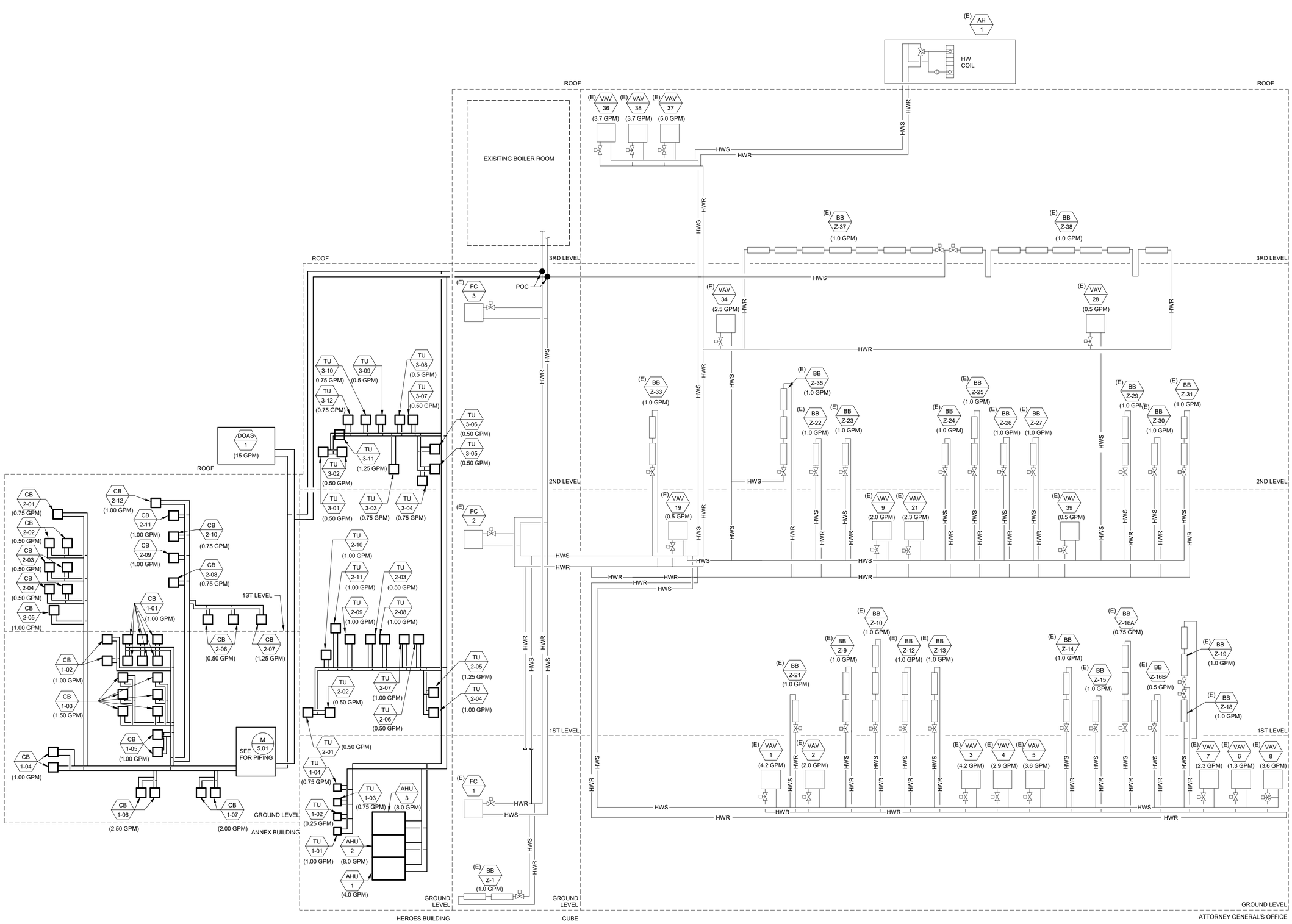
SPWD Project No. 19-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
MECHANICAL PIPING DIAGRAMS

Date: September 23, 2022
Sheet No:
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HEATING WATER PIPING DIAGRAM

SCALE: NONE

1 / M5.02

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REV	DATE	DESCRIPTION

Sheet Title

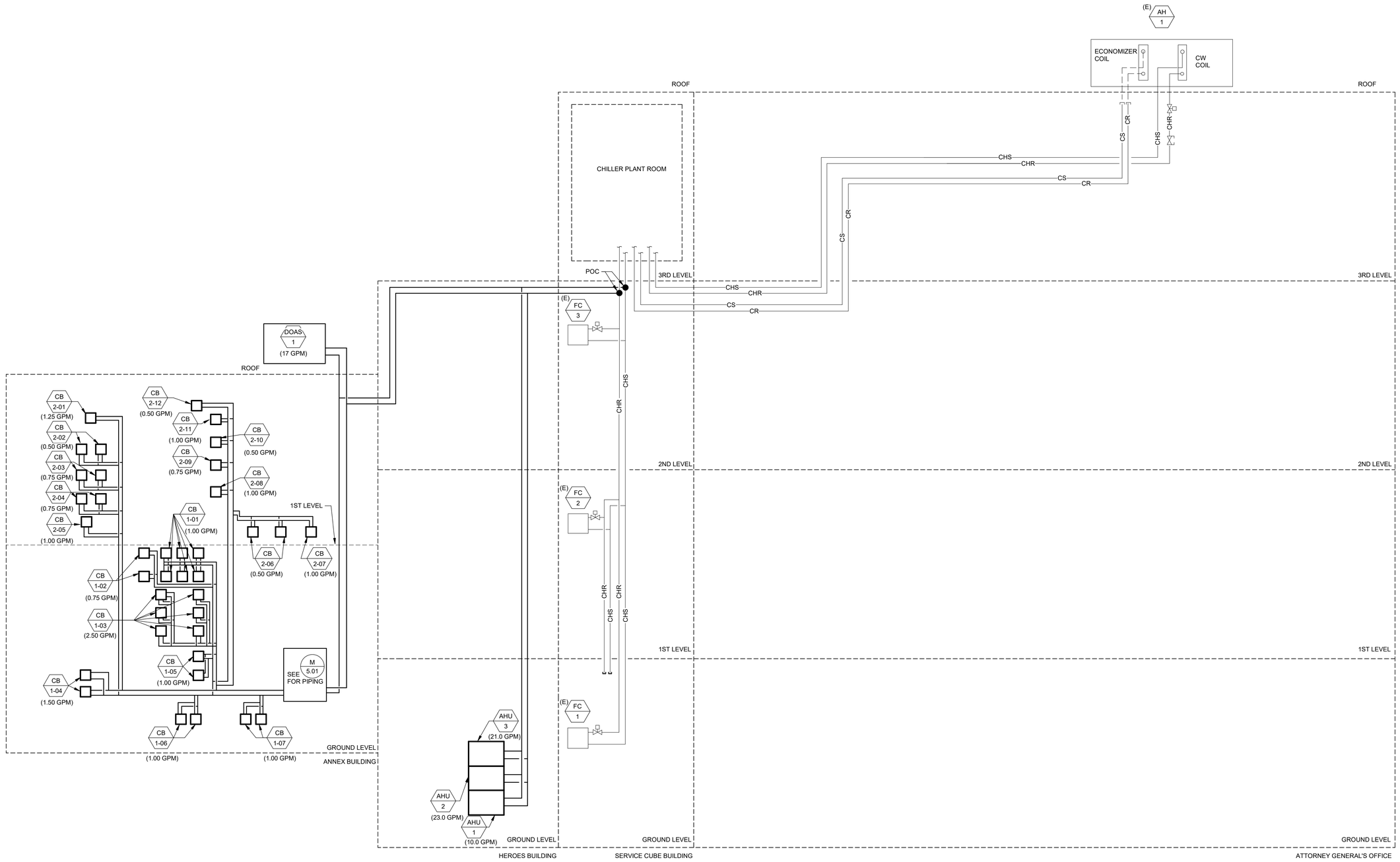
MECHANICAL PIPING DIAGRAMS

Date: September 23, 2022

Sheet No:

M5.02

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CHILLED WATER PIPING DIAGRAM

SCALE: NONE

1 / M5.03

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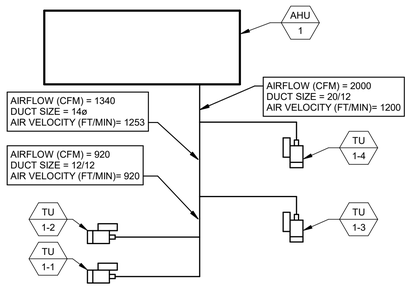
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MECHANICAL PIPING DIAGRAMS

Date: September 23, 2022

Sheet No:

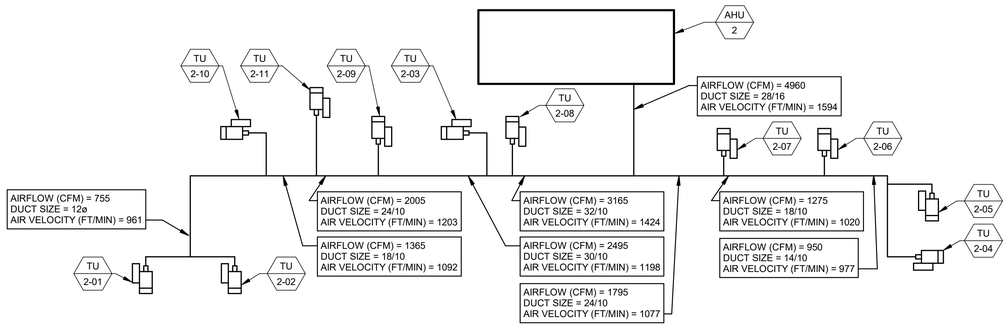
M5.03



AHU-1 MEDIUM PRESSURE DUCTWORK DIAGRAM

SCALE: NONE

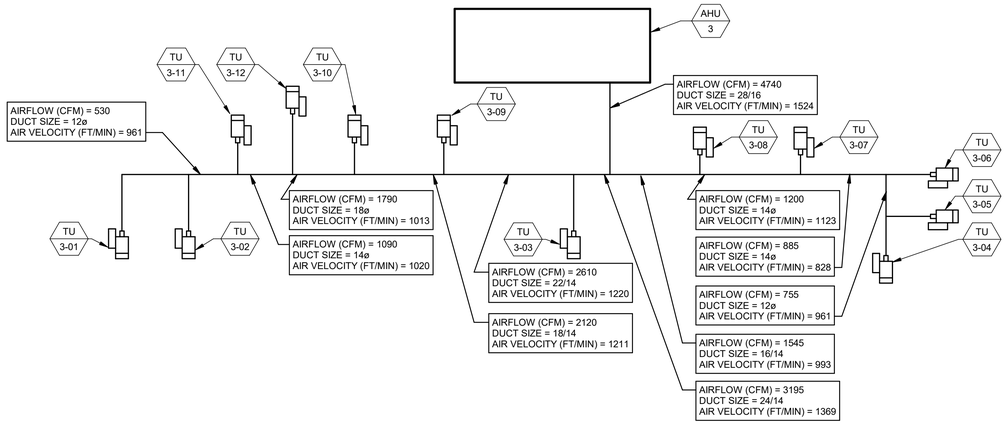
1 / M5.04



AHU-2 MEDIUM PRESSURE DUCTWORK DIAGRAM

SCALE: NONE

2 / M5.04



AHU-3 MEDIUM PRESSURE DUCTWORK DIAGRAM

SCALE: NONE

3 / M5.04

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MECHANICAL DUCTWORK DIAGRAMS

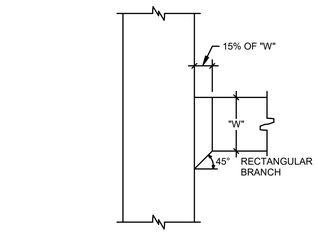
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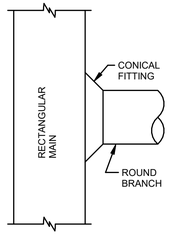
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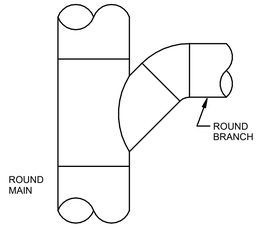
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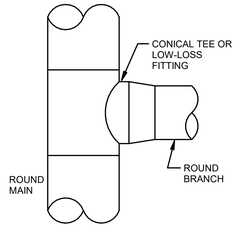
RECTANGULAR / RECTANGULAR



RECTANGULAR / ROUND



STRAIGHT LATERAL W/ 45°

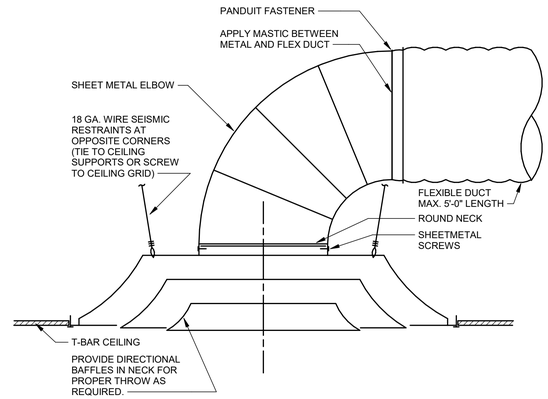


CONICAL TEE

ACCEPTABLE BRANCH DUCTS

SCALE: NONE

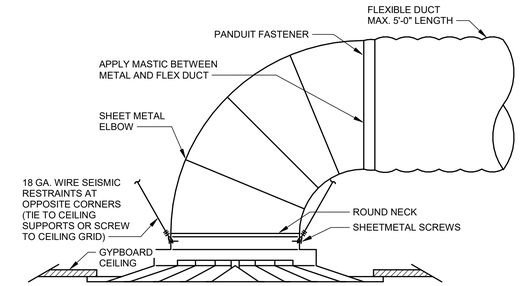
1 / M6.01



CEILING DIFFUSER

SCALE: NONE

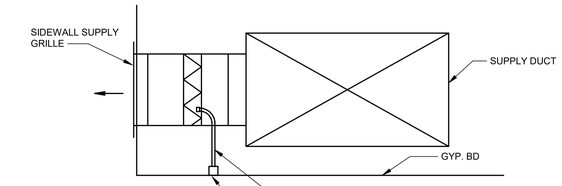
2 / M6.01



HARD LID CEILING DIFFUSER

SCALE: NONE

3 / M6.01

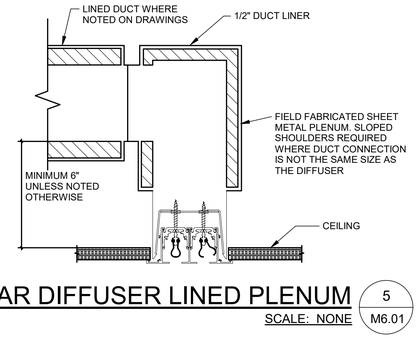


NOTES:
1. DETAIL SIMILAR FOR CEILING DIFFUSERS EXCEPT USE ROUND DAMPERS
2. APPLIES TO GYP. BOARD CEILINGS AND WALLS

DIFFUSER GRILLE/BALANCE

SCALE: NONE

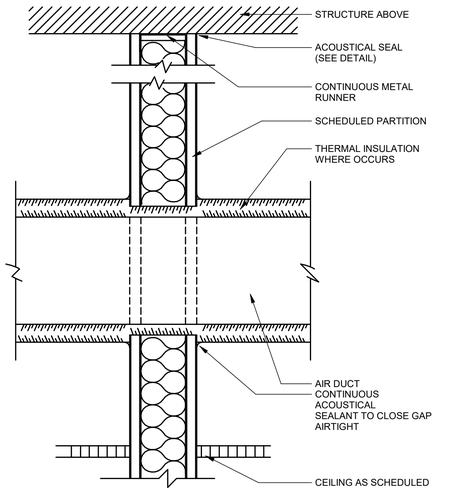
4 / M6.01



LINEAR DIFFUSER LINED PLENUM

SCALE: NONE

5 / M6.01



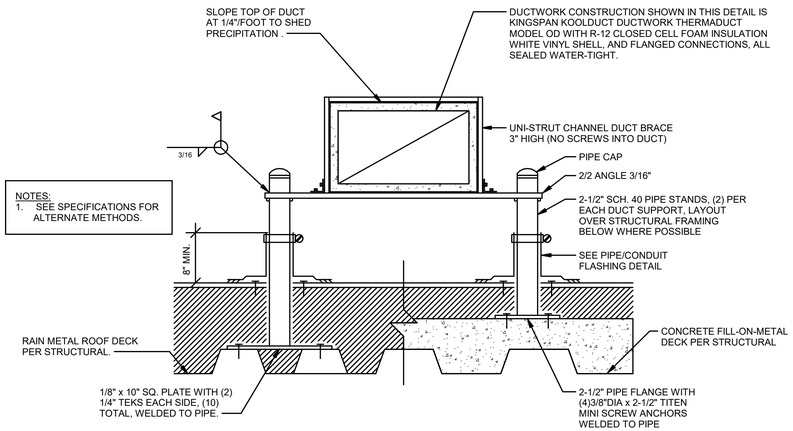
PENETRATIONS OF ACOUSTICAL PARTITIONS BY DUCTWORK SHALL BE ACOUSTICALLY SEALED AS SHOWN. ANY GAP LARGER THAN 1/2" SHALL BE COVERED WITH GYPSUM BOARD, LAPPED A MINIMUM OF 2" AND SCREWED BEFORE USING ACOUSTICAL SEALANT.

NOTE: NO RIGID CONTACT BETWEEN SHEET METAL AND GYPSUM BOARD OR WALL FRAMING

DUCT PENETRATION IN A STUD PARTITION

SCALE: NONE

6 / M6.01

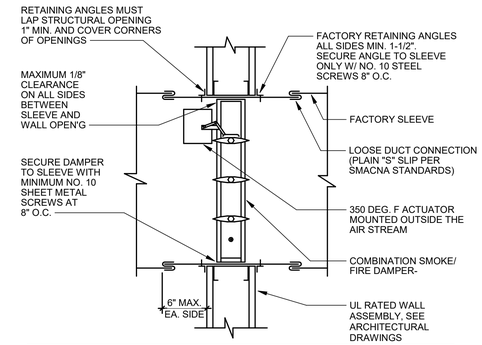


NOTES:
1. SEE SPECIFICATIONS FOR ALTERNATE METHODS.

EXPOSED DUCTWORK

SCALE: NONE

7 / M6.01



NOTES:
1. DAMPER SHALL BE RUSKIN MOD.# FSD 60 MINIMUM CLASS II UL 555 S, 350° F BELIMO ACTUATOR. (15 SECOND OPEN/CLOSE)
2. FABRICATE SQUARE TO ROUND ADAPTORS FOR ALL ROUND DUCTWORK.
3. PROVIDE AND INSTALL ACCESS DOOR ON DUCT AT EACH COMBINATION SMOKE AND FIRE DAMPER. ACCESS DOOR TO BE GALVANIZED STEEL, ONE GAUGE HEAVIER THAN DUCT AND BE 75 PERCENT WIDTH X 18" LENGTH. DOOR SHALL BE HINGED AND LABELED "COMBINATION FIRE DAMPER" IN 1/2" HIGH RED LETTERS.
4. COMBINATION SMOKE AND FIRE DAMPER SHALL BE INSTALLED PER MANUFACTURERS INSTALLATION DETAILS, INSTRUCTIONS AND TESTING APPROVAL.
5. COMBINATION SMOKE AND FIRE DAMPER OPENING SHALL BE COMPLETELY FRAMED TO PROVIDE ADEQUATE SUPPORT.
6. SEE SCHEDULE ON M002 FOR ADDITIONAL REQUIREMENTS.

COMBINATION FIRE/SMOKE DAMPER

SCALE: NONE

8 / M6.01

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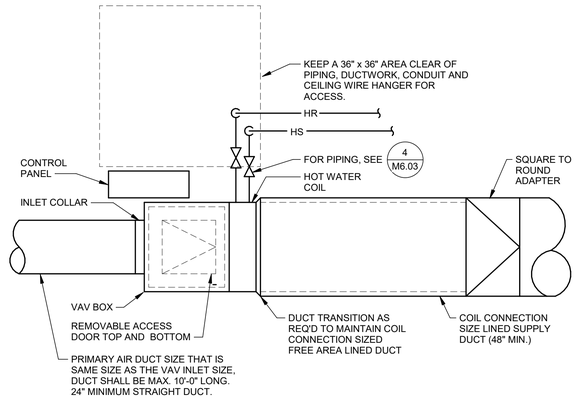
Sheet Title

MECHANICAL DETAILS

Date: September 23, 2022

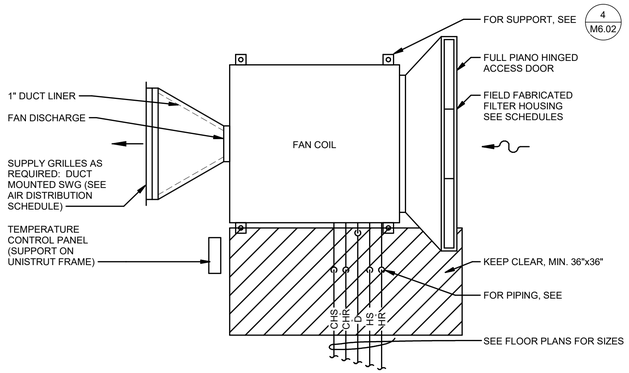
Sheet No:

M6.01

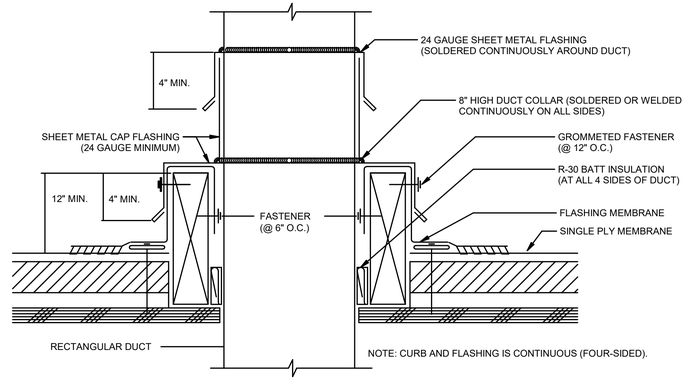


NOTES:
1. SEE EQUIPMENT SCHEDULE FOR SIZES AND CAPACITIES.
2. DISCHARGE DUCT SIZE SHALL NOT BE REDUCED.
3. ACCESS TO ALL UNIT COMPONENTS SHALL BE ON SAME SIDE AND ENTIRE BOTTOM SHALL BE ACCESSIBLE. LOCATE CLEAR OF LIGHTS OR ANY OBSTRUCTIONS TO ACCESS.
4. SUPPORT SHALL BE RUBBER IN-SHEAR VIBRATION ISOLATOR AND ALL THREAD RODS.
5. INSTALL VAV BOXES MAX 24" ABOVE CEILING.

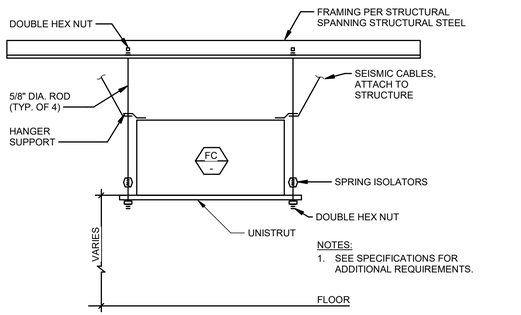
VAV TERMINAL UNIT 1 M6.02
SCALE: NONE



TYPICAL EXPOSED FAN COIL 2 M6.02
SCALE: NONE

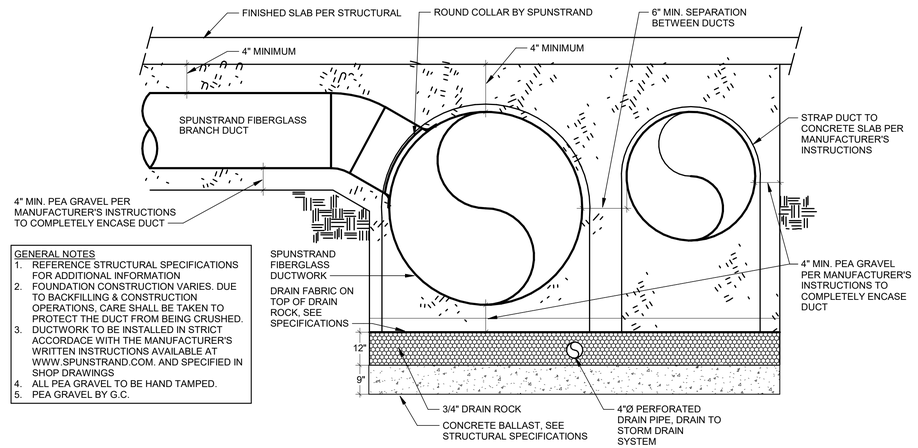


RECTANGULAR DUCT THRU ROOF CURB/FLASHING 3 M6.02
SCALE: NONE



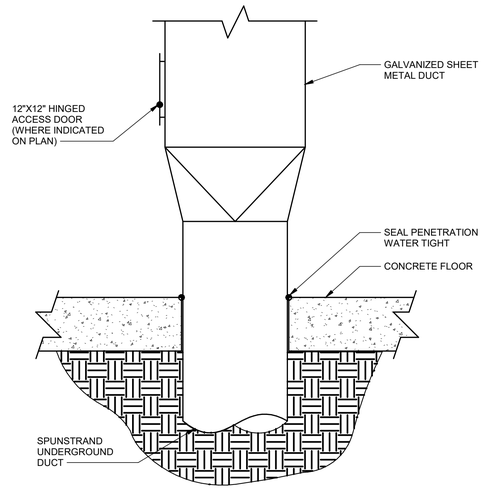
NOTES:
1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

HORIZONTAL FAN COIL SUPPORT 4 M6.02
SCALE: NONE

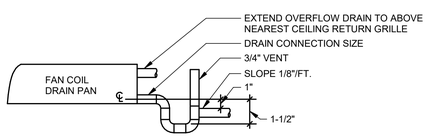


GENERAL NOTES
1. REFERENCE STRUCTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. FOUNDATION CONSTRUCTION VARIES. DUE TO BACKFILLING & CONSTRUCTION OPERATIONS, CARE SHALL BE TAKEN TO PROTECT THE DUCT FROM BEING CRUSHED.
3. DUCTWORK TO BE INSTALLED IN STRICT ACCORDACE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AVAILABLE AT WWW.SPUNSTRAND.COM. AND SPECIFIED IN SHOP DRAWINGS
4. ALL PEA GRAVEL TO BE HAND TAMPED.
5. PEA GRAVEL BY G.C.

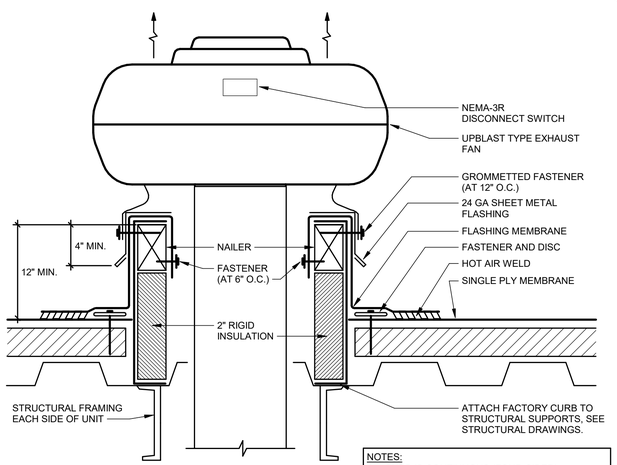
UNDERGROUND DUCTWORK 5 M6.02
SCALE: NONE



THRU FLOOR PENETRATION 6 M6.02
SCALE: NONE

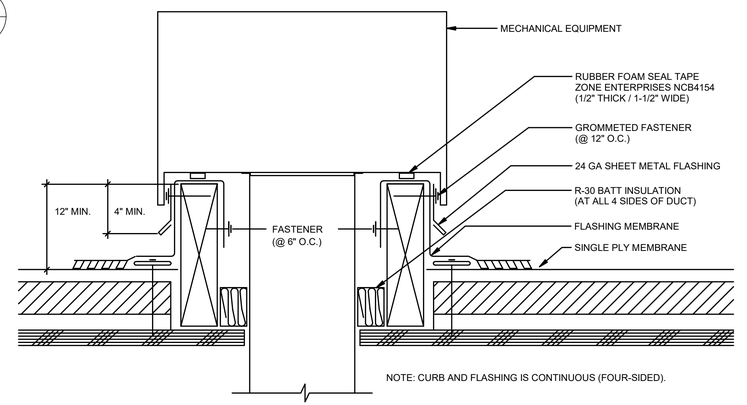


FAN-COIL CONDENSATE DRAIN 7 M6.02
SCALE: NONE



NOTES:
1. CURB IS CONTINUOUS (FOUR-SIDED).
2. SEE ARCH. DWG'S FOR ROOF CONSTRUCTION.
3. SLOPING ROOF CURB

EXHAUST FAN CURB/FLASHING 8 M6.02
SCALE: NONE



MECHANICAL EQUIPMENT CURB/FLASHING 9 M6.02
SCALE: NONE

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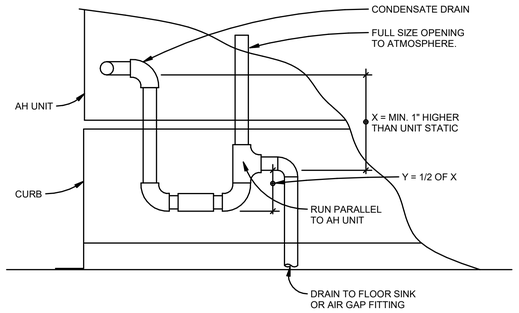
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
MECHANICAL DETAILS

Date: September 23, 2022

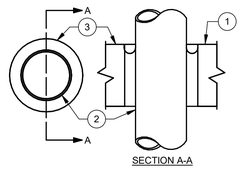
Sheet No:
M6.02



AHU CONDENSATE DRAIN

SCALE: NONE

1 / M6.03



SECTION A-A

1. FLOOR ASSEMBLY - MIN 4-1/2" THICK LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE.
2. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED:

   A. STEEL PIPE - NOM 10" DIAM (OR SMALLER) SCHEDULE TO (OR HEAVIER) STEEL PIPE.
   B. COPPER - TUBING NOM 3" DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   C. IRON PIPE - NOM 10" DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.

3. FILL, VOID OR CAVITY MATERIALS - PUTTY - MOLDABLE PUTTY MATERIAL KNEADED BY AND APPLIED TO FILL ANNULAR SPACE TO A MIN DEPTH OF 1", FLUSH WITH TOP OF FLOOR.

(UL SYSTEM NO. C-AJ-1027)

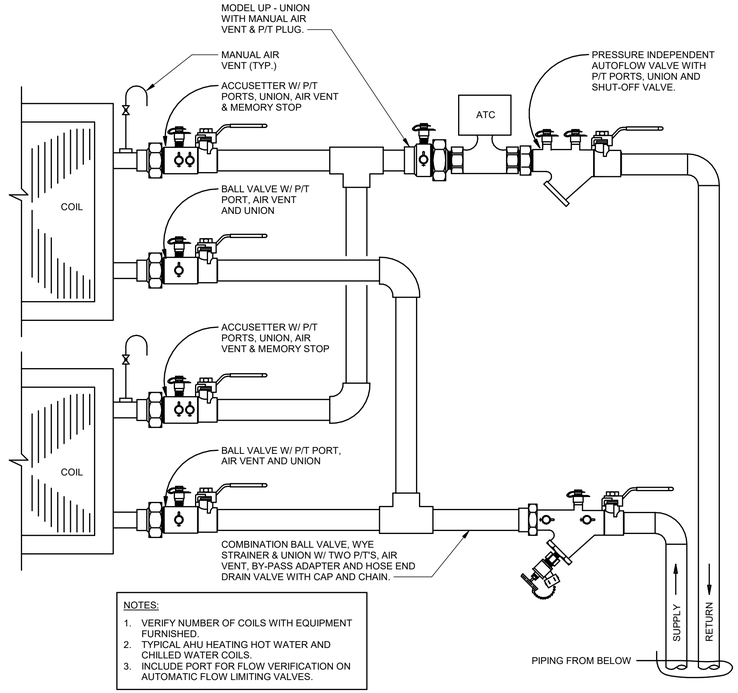
(F RATING - 3 HR)

NOTES:
1. FIRE RATED ASSEMBLY DETAIL FOR REFERENCE ONLY.
2. EXACT FLOOR CONDITIONS AT PENETRATIONS SHALL BE VERIFIED PRIOR TO INSTALLATION AND THE APPROPRIATE ASSEMBLY SHALL BE USED FOR THE TYPE OF PENETRATION.

PIPE THRU CONCRETE FLOOR

SCALE: NONE

2 / M6.03



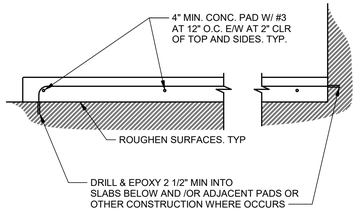
NOTES:
1. VERIFY NUMBER OF COILS WITH EQUIPMENT FURNISHED.
2. TYPICAL AHU HEATING HOT WATER AND CHILLED WATER COILS.
3. INCLUDE PORT FOR FLOW VERIFICATION ON AUTOMATIC FLOW LIMITING VALVES.

AIR HANDLER COIL PIPING

SCALE: NONE

3 / M6.03

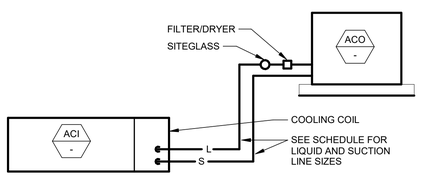
NOTE:
1. VERIFY AND COORDINATE PAD THICKNESSES, SIZES AND LOCATION WITH APPROVED MECHANICAL EQUIPMENT SIZES.



CONCRETE HOUSEKEEPING PAD

SCALE: NONE

7 / M6.03

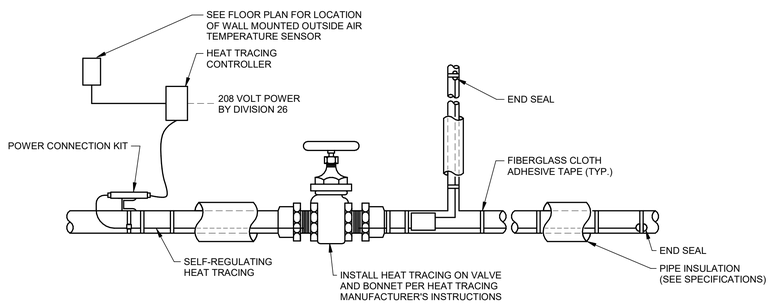


REFRIGERANT LINE SIZES		
SYMBOL	LIQUID O.D.	SUCTION O.D.
ACI 1 / ACO 1	3/8"	5/8"

REFRIGERATION PIPING

SCALE: NONE

6 / M6.03

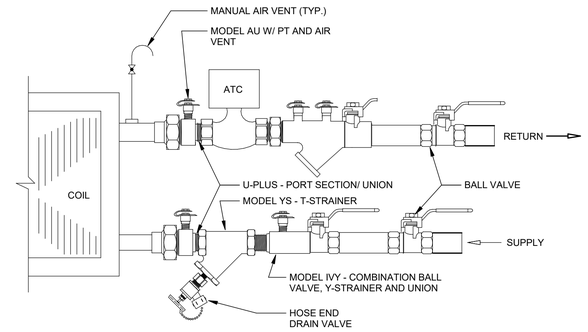


RAYCHEM XL-TRACE SELF-REGULATING ELECTRIC HEAT TRACING FREEZE PROTECTION. FURNISH WITH POWER CONNECTION KIT, RAYCLIC-S SPLICE KITS, RAYCLIC-T TEE KITS, FIBERGLASS CLOTH ADHESIVE TAPE, THERMOSTAT, AND LABELS FOR A COMPLETE SYSTEM. SEE SCHEDULE ON SHEET M0.1 AND SEE SPECIFICATION SECTIONS 232170 AND 232300.

FREEZE PROTECTION - HEAT TRACE

SCALE: NONE

8 / M6.03

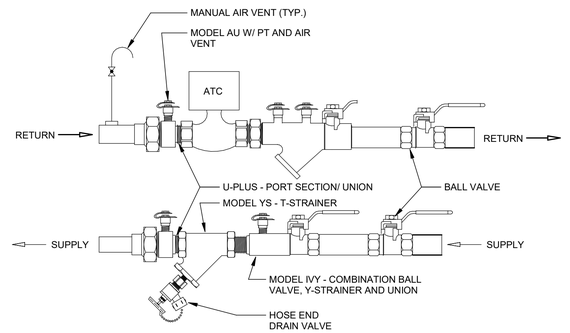


NOTES:
- MODEL NUMBERS ARE FLOWSET INC UNLESS NOTED OTHERWISE, SEE SPECIFICATIONS.

TU COIL PIPING

SCALE: NONE

4 / M6.03

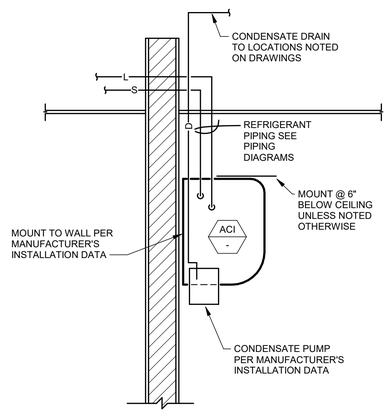


NOTES:
- MODEL NUMBERS ARE FLOWSET INC UNLESS NOTED OTHERWISE, SEE SPECIFICATIONS.

CB COIL PIPING

SCALE: NONE

5 / M6.03



ACI MOUNTING

SCALE: NONE

9 / M6.03

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

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REVISIONS		
REV	DATE	DESCRIPTION

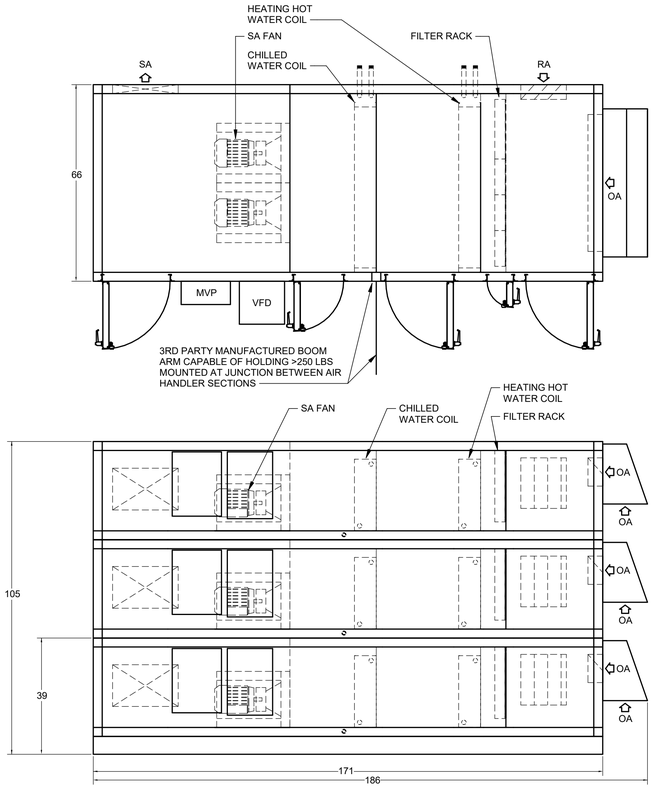
Sheet Title

MECHANICAL DETAILS

Date: September 23, 2022

Sheet No:

M6.03

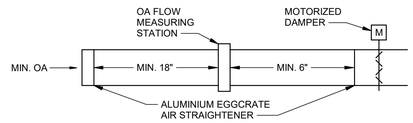


TYPICAL AHU LAYOUT

SCALE: NONE

1 / M6.04

NOTE:
OA FLOW MEASURING STATION FURNISHED AND INSTALLED BY CONTROLS CONTRACTOR: EBTRON-GOLD SERIES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS



FLOW MEASURING STATION

SCALE: NONE

2 / M6.04

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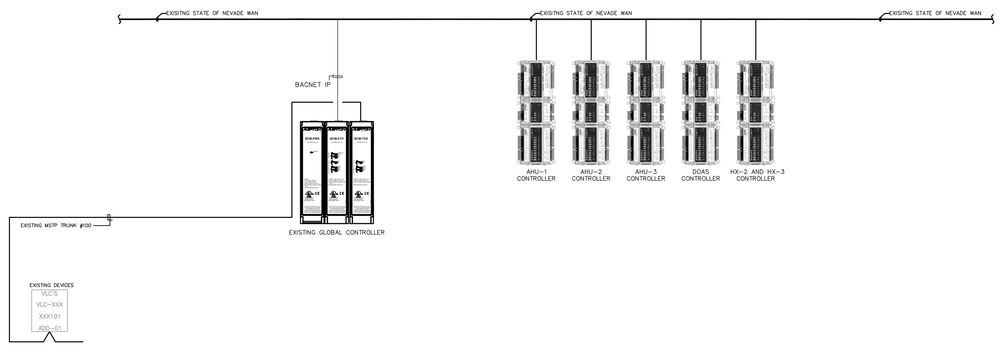
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M6.04

TEMPERATURE CONTROL LEGEND

WAN	-	WIDE AREA NETWORK
SA	-	SUPPLY AIR
RA	-	RETURN AIR
OA	-	OUTSIDE AIR
EA	-	EXHAUST AIR
CHS	-	CHILLED WATER SUPPLY
CHR	-	CHILLED WATER RETURN
HS	-	HEATING WATER SUPPLY
HR	-	HEATING WATER RETURN
SCHS	-	SENSIBLE CHILLED WATER SUPPLY
SCHR	-	SENSIBLE CHILLED WATER RETURN
SHS	-	SENSIBLE HEATING WATER SUPPLY
SHR	-	SENSIBLE HEATING WATER RETURN
DP	-	DIFFERENTIAL PRESSURE SENSOR
H	-	HUMIDITY SENSOR
CS	-	CURRENT SENSOR
DS	-	DISCONNECT
MS	-	MOTOR STARTER
M	-	MOTORIZED ACTUATOR
R	-	RELAY
CO_2	-	CARBON DIOXIDE SENSOR
VFD	-	VARIABLE FREQUENCY DRIVE
T	-	TEMPERATURE
TCP	-	TEMPERATURE CONTROL PANEL
DB	-	DRY BULB
WB	-	WET BULB
HX	-	HEAT EXCHANGER
P	-	PUMP
POCD	-	PRODUCTS OF COMBUSTION DETECTORS
AHU	-	AIR HANDLING UNIT
(M)	-	FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR
(E)	-	FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR
HPS	-	HIGH PRESSURE SWITCH
HHC	-	HUMIDITY HIGH LIMIT
SW	-	SWITCH
AF	-	AIR FLOW STATION
VC	-	VENTILATION CONTROL
BAS	-	BUILDING AUTOMATION SYSTEM
DEW	-	DEW POINT SENSOR
FM	-	FLOW/BTU METER
- - - - - - - -	-	POWER WIRING AND CONDUIT BY ELECTRICAL CONTRACTOR
————	-	CONTROL WIRING AND CONDUIT BY TEMPERATURE CONTROL CONTRACTOR

NOTES:
EACH SYSTEMS SOFTWARE ALARM POINTS TO BE REVIEWED AND VERIFIED BY OWNER WITH CONTROLS CONTRACTOR.



SYSTEM ARCHITECTURE

SCALE: NONE

1
M7.01

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TEMPERATURE CONTROLS

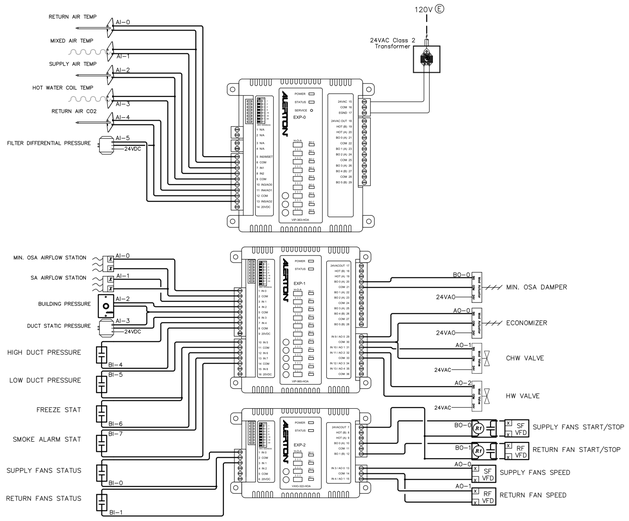
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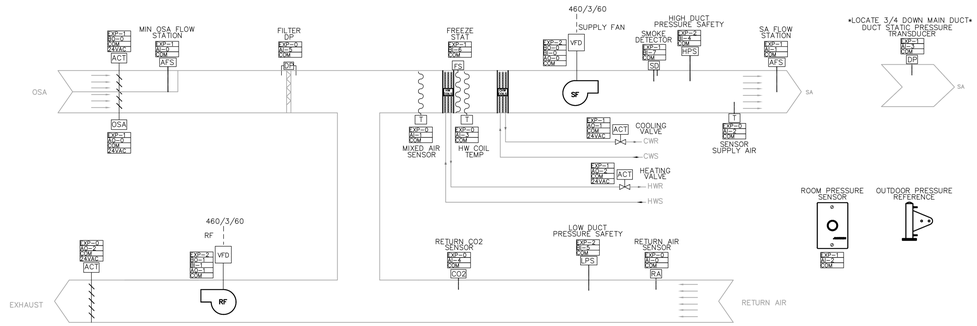
JOB: 2021-073



AHU CONTROL DIAGRAM

SCALE: NONE

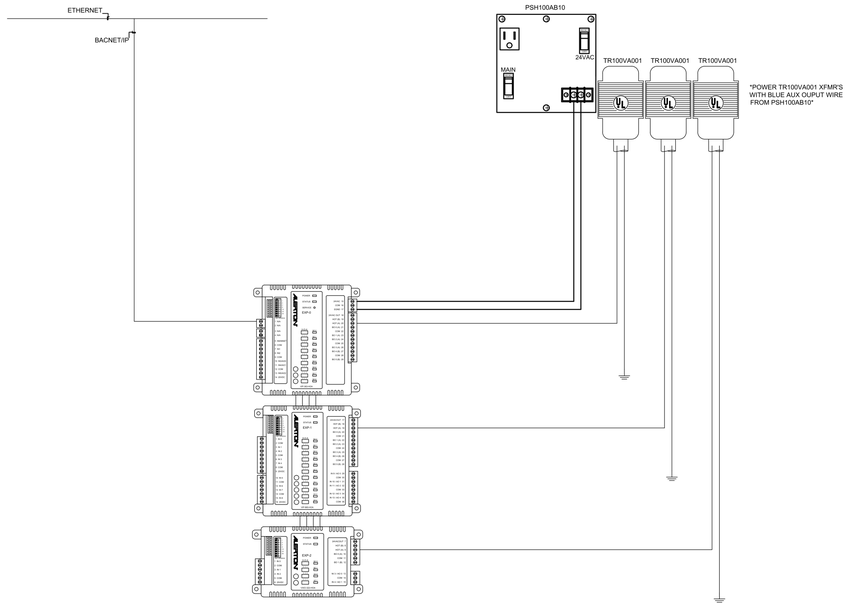
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AHU CONTROL LAYOUT

SCALE: NONE

2 / M7.02

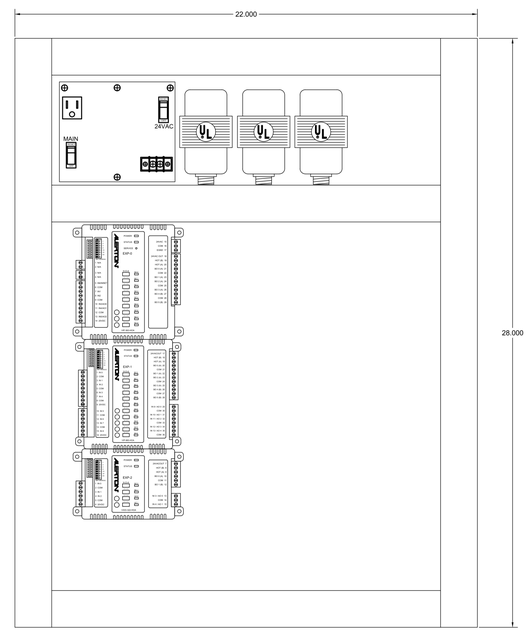


AHU COMM AND POWER

SCALE: NONE

3 / M7.02

QTY.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	SCE-30N2408LP	30"X24" ENCLOSURE	SCE
1	SCE-30N24MP	28"X22" BACKPLATE	SCE
3	TR100VA001	100 VA 24VAC POWER SUPPLY	FUNCTIONAL DEVICES
1	PSH100A100AB10	100 VA (X2) 24VAC POWER SUPPLY	FUNCTIONAL DEVICES
1	VIP-363-HOA	VISUALLOGIC IP CONTROLLER	ALERTON
1	VXIO-965-HOA	VISUALLOGIC IP EXPANSION MODULE	ALERTON
1	VXIO-322-HOA	VISUALLOGIC IP EXPANSION MODULE	ALERTON



AHU CONTROL PANEL

SCALE: NONE

4 / M7.02

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CARSON CITY, NV 89701

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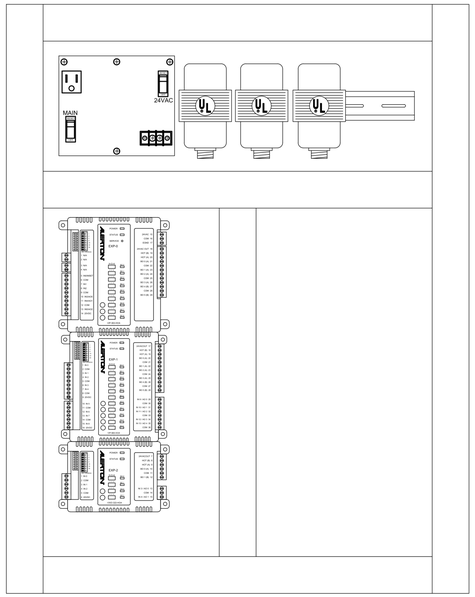
TEMPERATURE CONTROLS

Date: September 23, 2022

Sheet No:

M7.02

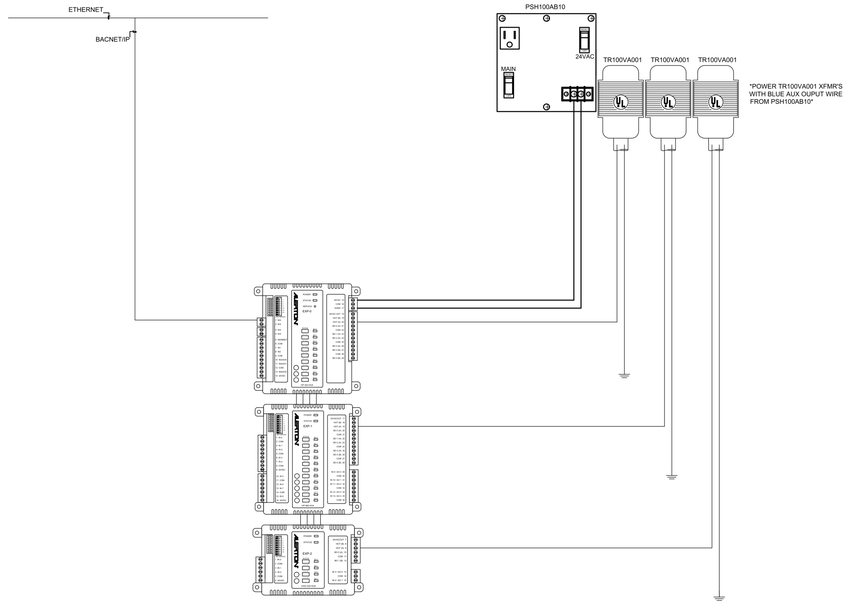
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1	VXIO-322-HOA	VISUALOGIC IP EXPANSION MODULE	ALERTON



CHILLED BEAM SYSTEM HX CONTROL PANEL

SCALE: NONE

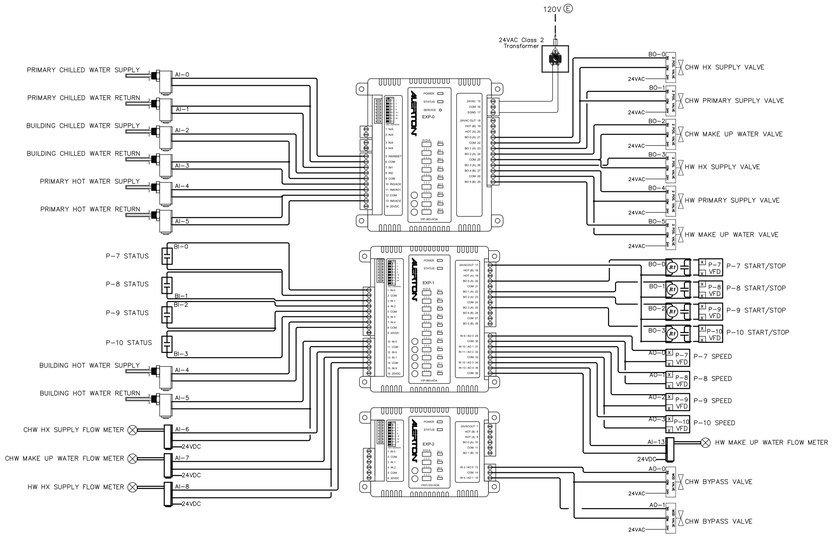
1 / M7.03



CHILLED BEAM SYSTEM HX COMM AND POWER

SCALE: NONE

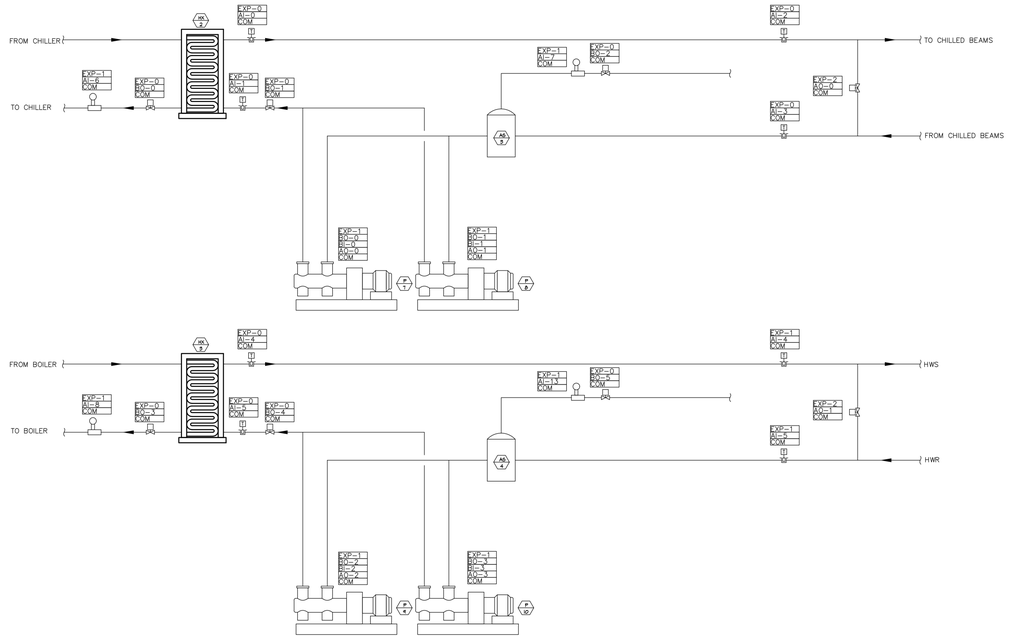
2 / M7.03



CHILLED BEAM SYSTEM HX CONTROLLER

SCALE: NONE

3 / M7.03



CHILLED BEAM SYSTEM HX CONTROL

SCALE: NONE

4 / M7.03

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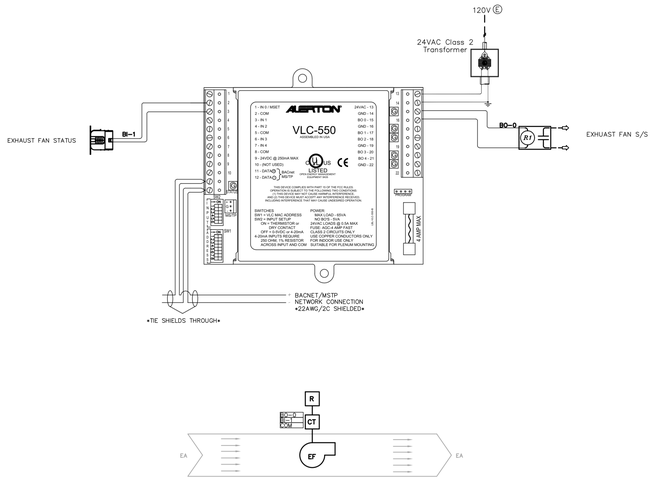
M7.03

CB TRANSFORMER SCHEDULE

TERMINAL w/277 VOLT POWER	SERVES 24 VOLT
CB 1-01 (1 BEAM)	CB 1-01 (5 BEAMS), 1-02 (2 BEAMS), 1-03 (6 BEAMS)
CB 1-05 (1 BEAM)	CB 1-04 (2 BEAMS), 1-05 (1 BEAM), 1-06 (2 BEAMS), 1-07 (2 BEAMS)
CB 2-12 (1 BEAM)	CB 2-01 (1 BEAM), 2-02 (2 BEAMS), 2-03 (2 BEAMS), 2-10 (1 BEAM), 2-11 (1 BEAM)
CB 2-08 (1 BEAM)	CB 2-04 (2 BEAMS), 2-05 (1 BEAM), 2-06 (2 BEAMS), 2-07 (1 BEAM), 2-09 (1 BEAM)

VAV TRANSFORMER SCHEDULE

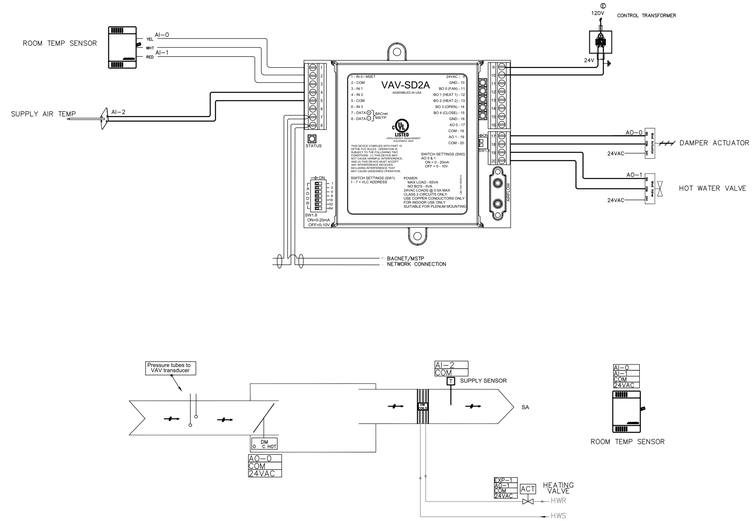
TERMINAL w/277 VOLT POWER	SERVES 24 VOLT
TU 1-03	TU 1-01, 1-02, 1-04
TU 1-03	TU 1-01, 1-02, 1-04
TU 2-11	TU 2-01, 2-02, 2-03, 2-08, 2-09, 2-10
TU 2-06	TU 2-04, 2-05, 2-07
TU 3-12	TU 3-01, 3-02, 3-03, 3-09, 3-10, 3-11
TU 3-07	TU 3-04, 3-05, 3-06, 3-08



GENERAL EXHAUST FAN CONTROL

SCALE: NONE

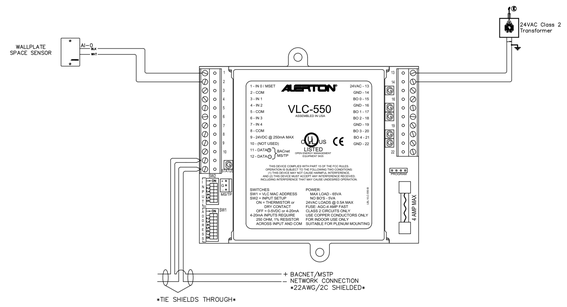
1 / M7.04



VARIABLE AIR VOLUME REHEAT CONTROL

SCALE: NONE

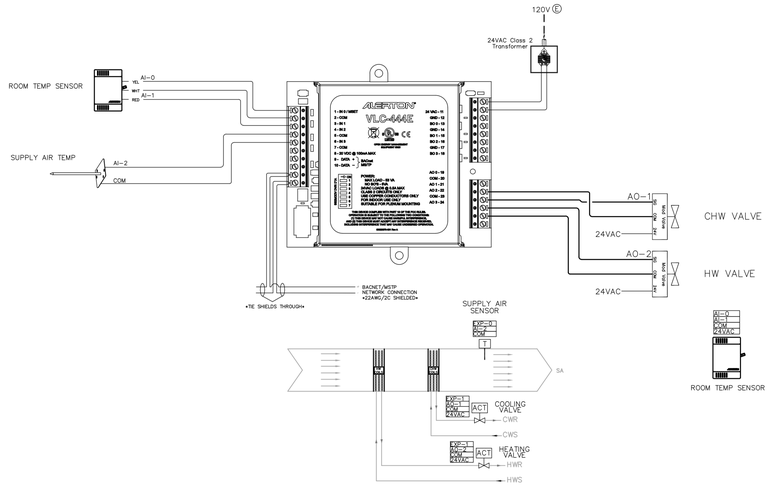
2 / M7.04



DX SPLIT SYSTEM CONTROL

SCALE: NONE

3 / M7.04



CHILLED BEAMS CONTROL

SCALE: NONE

4 / M7.04

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Project

HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

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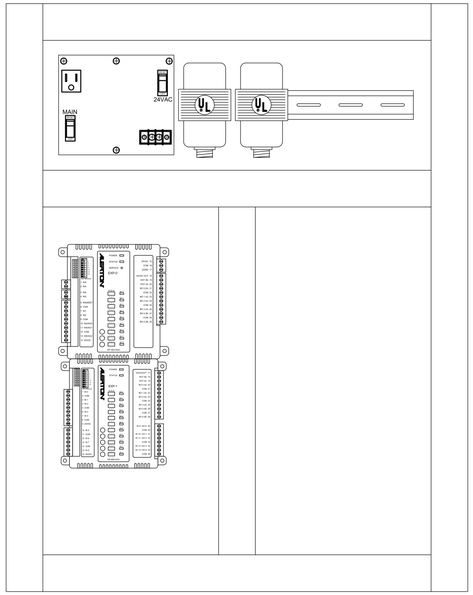
TEMPERATURE CONTROLS

Date: September 23, 2022

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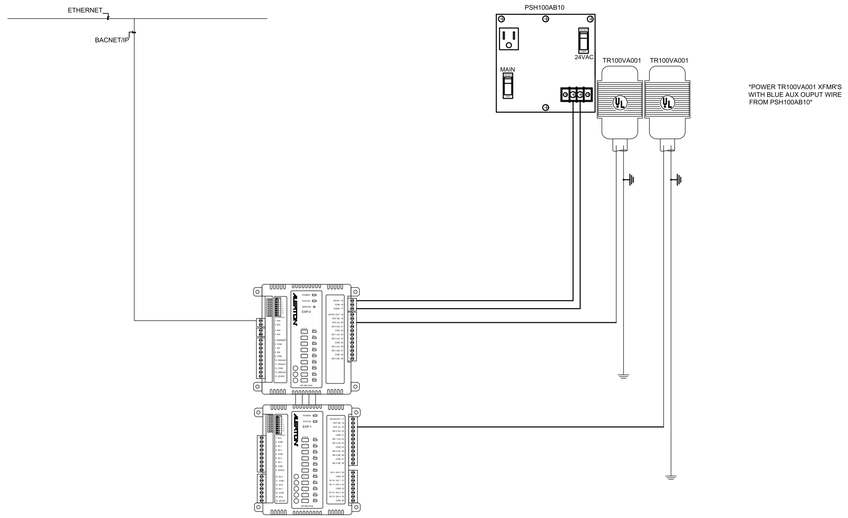
QTY.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	SCE-30N24MP	28"X22" BACKPLATE	SCE
1	SCE-30N2408LP	30"X24"X8" ENCLOSURE	SCE
2	TR100VA001	100 VA 24VAC TRANSFORMER	FUNCTIONAL DEVICES
1	PSH100AB10	100 VA 24VAC POWER SUPPLY	FUNCTIONAL DEVICES
1	VIP-363-HOA	VISUALOGIC IP CONTROLLER	ALERTON
1	VXIO-965-HOA	VISUALOGIC IP EXPANSION MODULE	ALERTON



DEDICATED OUTSIDE AIR UNIT CONTROL PANEL

1 / M7.05

SCALE: NONE

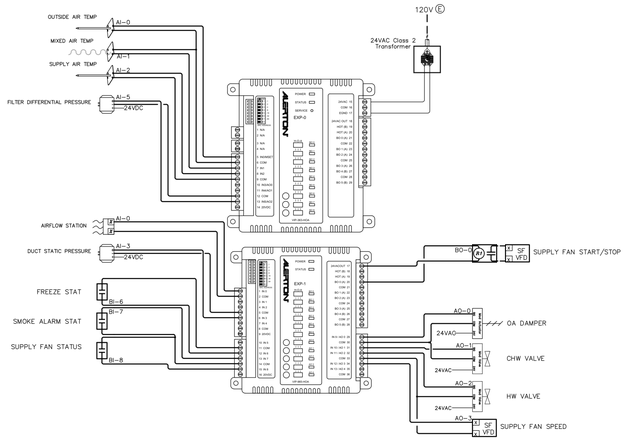


POWER TR100VA001 XFMR'S WITH BLUE AUX OUPUT WIRE FROM PSH100AB10

DEDICATED OUTSIDE AIR UNIT COMM AND POWER

2 / M7.05

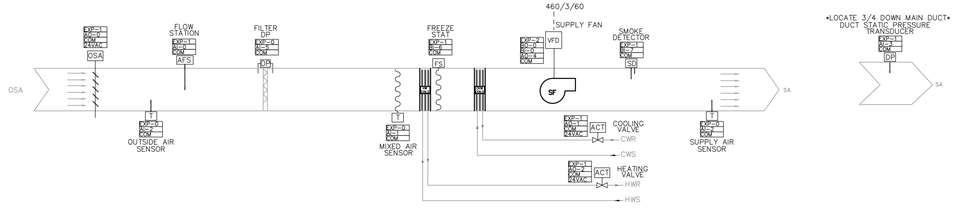
SCALE: NONE



DEDICATED OUTSIDE AIR UNIT CONTROLLER

3 / M7.05

SCALE: NONE



DEDICATED OUTSIDE AIR UNIT CONTROL

4 / M7.05

SCALE: NONE

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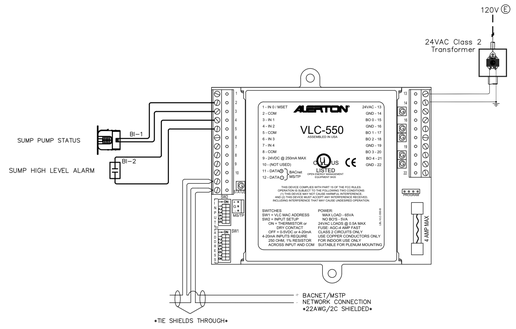
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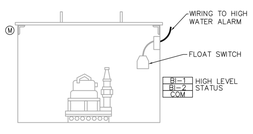
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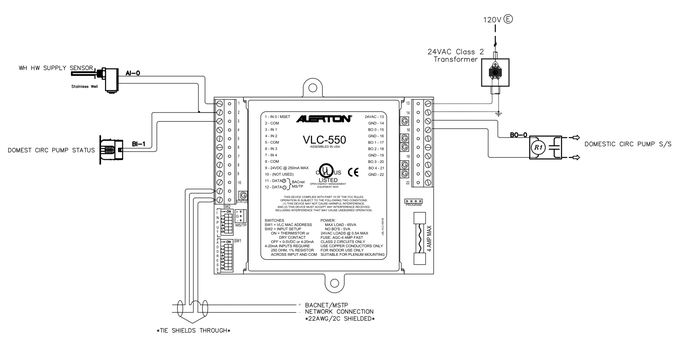


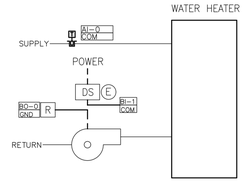


ELEVATOR SUMP PUMP CONTROL

SCALE: NONE

1 / M7.06





DOMESTIC WATER HEATER CONTROL

SCALE: NONE

2 / M7.06

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PLUMBING FIXTURE SCHEDULE

WC-1	WATER CLOSET "AMERICAN STANDARD" AFWALL MODEL 2257.101 WALL MOUNTED STANDARD HEIGHT VITREOUS CHINA TOILET WITH ELONGATED BOWL. FURNISH WITH "SLOAN" ROYAL 111 ESS-OR-HW HARD WIRED 1.28 SENSOR FLUSHOMETER, AND "OLSONITE" MODEL #10SSCT TOILET SEAT. ADA HEIGHT AS NECESSARY. SEE ARCHITECTURAL SHEETS.
L-1	LAVATORY "KOHLER" MEMOIRS STATELY MODEL K-2337-4 DROP-IN VITREOUS CHINA LAVATORY. FURNISH WITH "CHICAGO" MODEL EVR-A12A-11ABCP HARDWIRED TOUCHLESS FAUCET WITH EVR CONTORL BOX AND GRID DRAIN.
L-2	SINK "AMERICAN STANDARD" LUCERNE MODEL #0355.027 VITREOUS CHINA LAVATORY. FURNISH WITH "CHICAGO" MODEL EVR-A12A-11ABCP HARDWIRED TOUCHLESS FAUCET WITH EVR CONTORL BOX AND GRID DRAIN
S-1	SINK "ELKAY" MODEL #LR1919PD SINGLE COMPARTMENT 18 GAUGE 16"X13 ½" X7 ½" DEEP BOWL SIZE STAINLESS STEEL SINK. FURNISH WITH CHICAGO MODEL #210-A317VPCABCP FAUCET WITH WRIST BLADE HANDLES, LKPD1 DRAIN STRAINER, 17 GAUGE CHROME PLATED P-TRAP, BRASSCRAFT STOPS AND RISERS. INSINKERATOR BADGER 5 FOOD WASTE DISPOSER ½ HP 120 VOLT
S-2	SINK "ELKAY" MODEL #DLR432210 DOUBLE COMPARTMENT 18 GAUGE 43"X22" X10-1/8" DEEP BOWL SIZE STAINLESS STEEL DROP-IN SINK WITH 3 HOLE CONFIGURATION. FURNISH WITH CHICAGO MODEL #210-A317VPCABCP FAUCET WITH WRIST BLADE HANDLES, LKPD1 DRAIN STRAINER, 17 GAUGE CHROME PLATED P-TRAP, BRASSCRAFT STOPS AND RISERS. INSINKERATOR BADGER 5 FOOD WASTE DISPOSER ½ HP 120 VOLT
FS-1	FLOOR SINK ZURN MODEL Z1901 CAST IRON DRAIN, 12"X12"X8" DEEP WITH ENAMELED CAST IRON WITH HALF GRATE. CAST TRAP WITH TRAP PRIMER.
HB-1	HOSE BIBB WOODFORD MODEL 24 HOSE BIBB WITH VACUUM BREAKER AND 3/4" THREADED HOSE CONNECTION. PROVIDE WITH LOOSE TEE KEY.
HB-2	HOSE BIBB WOODFORD MODEL B65, FREEZELESS WALL HYDRANT WITH ANTI-SIPHON VACUUM BREAKER, 3/4" THREADED HOSE CONNECTION. PROVIDE WITH LOOSE TEE KEY.
RD-1	ROOF DRAIN SEE SPECIFICATION 221400-2.4.
ORD-1	OVERFLOW ROOF DRAIN SEE SPECIFICATION 221400-2.4.
WHA-1	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
BFP-1	BACKFLOW PREVENTER WILKINS MODEL 975XL LEAD-FREE REDUCED PRESSURE BACKFLOW PREVENTER, COMPLETE WITH CAST BRONZE BODY AND BALL VALVE TEST COCKS.
IMB-1	ICE MAKER BOX "GUY GRAY MANUFACTURING CO." MODEL MIB1HAAB METAL POWDER COATED ICE MAKER OUTLET BOX WITH BRASS QUARTER TURN HAMMER ARRESTER VALVE AND 1/2" SWEAT CONNECTION.
SS-1	SERVICE SINK "AMERICAN STANDARD" FLORWELL 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.
EWC-1	ELECTRIC WATER COOLER "ELKAY" MODEL LZSTLG8WSSK , WALL MOUNTED HIGH EFFICIENCY, WATER COOLER WITH BOTTLE FILLING STATION, FILTERED, REFRIGERATED, STAINLESS STEEL, BI-LEVEL, PUSH-BUTTON OPERATED, 8 GPH, ELECTRIC WATER COOLER WITH IN WALL MOUNTING FRAME. ELECTRICAL SERVICE SHALL BE 115V, 60 HZ, 360 WATTS, 6 FLA. PROVIDE WITH CANE DETECTION SHIELD.
EWC-2	ELECTRIC WATER COOLER "ELKAY" MODEL LZSG8WSSK , WALL MOUNTED HIGH EFFICIENCY WATER COOLER WITH BOTTLE FILLING STATION, FILTERED, REFRIGERATED, STAINLESS STEEL, SINGLE, PUSH-BUTTON OPERATED, 8 GPH, ELECTRIC WATER COOLER WITH IN WALL MOUNTING FRAME. ELECTRICAL SERVICE SHALL BE 115V, 60 HZ, 360 WATTS, 6 FLA. PROVIDE WITH CANE DETECTION SHIELD.
FD-1	FLOOR DRAIN ZURN MODEL Z415B, CAST IRON DRAIN BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD. STRAINER FINISH PER SPECIFICATION, CAST TRAP. FURNISH WITH "ZURN" MODEL #Z1072-4 ZSHIELD BARRIER TRAP SEAL DEVICE, IAPMO AND ASSE LISTED.
FD-2	FLOOR DRAIN ZURN MODEL Z415B, CAST IRON DRAIN BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD. STRAINER FINISH PER SPECIFICATION, CAST TRAP.

EQUIPMENT SCHEDULE

SP 1	ELEVATOR SUMP PUMP "ZOELLER" MODEL 137-0039 N137 SUBMERSIBLE NON AUTO PUMP, "ZOELLER" MODEL 10-1964 DOUBLE PIGGYBACK MECHANICAL FLOAT SWITCH AND "ZOELLER" MODEL 10-4013 1-PAK ALARM (TO BE LOCATED WITHIN JANITORS CLOSET 064A & 114A). 50 GPM AT 10 FT. TDH. PUMP SHALL BE EQUIPPED WITH A 1/2 HP., 120V, 1 PHASE, 60 Hz. MOTOR.
DWH 1 DWH 2	DOMESTIC WATER HEATER BRADFORD WHITE MODEL ELECTRIFLEX LD LE330S3-3 ELECTRIC WATER HEATER, 30 GALLON STORAGE, 18 GPH RECOVERY @ 100°F RISE, 4.5 KW INPUT, 480V / 3PH , 350 LBS OP. WGT.
TMV 1	THERMOSTATIC MIXING VALVE LEONARD "MEGATRON" MODEL #NV-150-LF DIGITAL TEMPERATURE CONTROL STATION WITH A CAPACITY OF 30 GPM AT A 5 PSI PRESSURE DROP, 120V. FURNISH WITH TACO MODEL #0034E PLUS ECM HIGH EFFICIENCY CIRCULATOR CAPABLE OF SUPPLYING 8 GPM @ 34" TDH. SEE SPECIFICATION 22 10 00 2.9 FOR FULL FURNISHINGS. SET AT 120°F
ET 1	EXPANSION TANK WATTS MODEL #DETA-80 DOMESTIC WATER EXPANSION TANK.
DWH 3	DOMESTIC WATER HEATER BRADFORD WHITE MODEL #CEA6-KW-3 ELECTRIC WATER HEATER, 6 GALLON STORAGE, 12 GPH RECOVERY @ 100°F RISE, 3 KW INPUT, 480V / 3PH / 6 FLA, 150 LBS OP. WGT.
TMV 2	THERMOSTATIC MIXING VALVE LEONARD "MEGATRON" MODEL #NV-100-LF DIGITAL TEMPERATURE CONTROL STATION WITH A CAPACITY OF 17 GPM AT A 5 PSI PRESSURE DROP, 120V. FURNISH WITH TACO MODEL #0034E PLUS ECM HIGH EFFICIENCY CIRCULATOR CAPABLE OF SUPPLYING 8 GPM @ 34" TDH. SEE SPECIFICATION 22 10 00 2.9 FOR FULL FURNISHINGS. SET AT 120°F
ET 2	EXPANSION TANK WATTS MODEL #DETA-5 DOMESTIC WATER EXPANSION TANK.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, AND INDUSTRY STANDARDS.
2. ALL PIPING SHALL NOT OBSTRUCT ACCESS OR REMOVAL OF MECHANICAL EQUIPMENT.
3. ALL WATER PIPING IN EXTERIOR WALLS SHALL BE INSULATED AND INSTALLED INSIDE THE BUILDING INSULATION.
4. ALL EQUIPMENT, PIPING, DUCTWORK, ETC., SHALL BE SUPPORTED AS REQUIRED TO PROVIDE A VIBRATION FREE INSTALLATION.
5. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES TO MEET ADA REQUIREMENTS.
6. ADA WATER CLOSETS SHALL HAVE WATER ROUGH-IN LOCATED TO PROVIDE FLUSH VALVE HANDLE FACING WIDE SIDE OF ENCLOSURE.
7. ALL SEWER AND WASTE SHALL BE SLOPED AT 1/4" = 1'-0".
8. PROVIDE WALL CLEANOUTS FOR ALL SINKS AND URINALS.
9. COORDINATE EXACT LOCATION OF EQUIPMENT AND PENETRATIONS THROUGH ROOF, FLOORS AND WALLS WITH STRUCTURAL DRAWINGS PRIOR TO ANY ROUGH-IN.
10. COORDINATE THE ROUTING OF DUCTWORK WITH PLUMBING AND ELECTRICAL SECTIONS PRIOR TO BEGINNING WORK.
11. ALL ROOF PENETRATIONS SHALL BE FLASHED AND COUNTER FLASHED WATER TIGHT.
12. ALL MATERIALS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
13. PROVIDE ALL PLUMBING FIXTURES AND EQUIPMENT WITH ACCESSIBLE STOPS.
14. COORDINATE CLEANOUT LOCATIONS WITH ALL TRADES. PROVIDE SIZES AND TYPE TO SUIT FLOORING AS SPECIFIED.
15. BALANCED VALVES IN DOMESTIC HOT WATER RECIRCULATING PIPING SHALL BE AUTOMATIC PRESSURE COMPENSATING TYPE (0.25GPM UNLESS OTHERWISE NOTED).
16. ALL FLOOR DRAIN LOCATIONS SHALL BE AS PER DIMENSIONED ARCHITECTURAL DRAWINGS.
17. ALL TRAP PRIMERS ARE 1/2" TYPE K HARD COPPER WITH NO JOINTS BELOW SLAB UNLESS NOTES OTHERWISE. PROVIDE DIELECTRIC CONNECTION AT FLOOR DRAIN.
18. ALL DISHWASHERS SHALL HAVE AIR GAP FITTING.
19. PROVIDE CLEANOUTS ON RWL, ORWL, W, & GW PIPING PER LATEST VERSION OF UNIFORM PLUMBING CODE (UMP)

MAXIMUM FIXTURE UNIT LOADING FOR WATER PIPE

NOMINAL PIPE SIZE (INCHES)	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
FIXTURE UNITS (WITHOUT FLUSH VALVES)	1	4	12	23	42	135	359	638	-	-
FIXTURE UNITS (WITH ONE OR MORE FLUSH VALVES)	-	-	-	5	8	52	220	559	-	-

NOTES
1. USE ABOVE DATA ONLY WHEN PIPE SIZES ARE NOT OTHERWISE SIZED ON THE DRAWINGS
2. FIXTURE UNITS ARE AS LISTED FOR PUBLIC USE IN 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"	-	-
LAVATORY	L	2"	1 1/2"	1 1/2"	3/4"	1/2"	3/4"	1/2"
ELECTRIC WATER COOLER	EWC	2"	1 1/2"	1 1/2"	1/2"	1/2"	1/2"	1/2"
SERVICE SINK	SS	3"	3"	2"	1/2"	1/2"	1/2"	1/2"
FLOOR SINK	FS	2"	2"	1 1/2"	-	-	-	-
SINK	S	2"	1 1/2"	1 1/2"	1/2"	1/2"	1/2"	1/2"
FLOOR DRAIN	FD	2"	2"	1 1/2"	-	-	-	-
HOSE BIBB	HB	-	-	-	1/2"	3/4"	-	-

NOTES 1. WATER BRANCH LINES WHERE LESS THAN 10'-0" LONG MAY BE SAME SIZE AS OUTLETS SCHEDULED ABOVE.

DRAWING SHEET INDEX

P0.01	PLUMBING LEGENDS, SCHEDULES, NOTES
P1.01	PLUMBING HEROES LEVEL 0 DEMOLITION PLAN
P1.02	PLUMBING HEROES LEVEL 1 / ANNEX LEVEL 1 DEMOLITION PLAN
P1.03	PLUMBING HEROES LEVEL 2 / ANNEX LEVEL 2 DEMOLITION PLAN
P1.04	PLUMBING ROOF DEMOLITION PLAN
P1.21	PLUMBING HEROES LEVEL 0 NEW PLAN
P1.22	PLUMBING HEROES/ANNEX LEVEL 1 NEW PLAN
P1.23	PLUMBING HEROES/ANNEX LEVEL 2 NEW PLAN
P1.24	PLUMBING ENLARGED PLANS
P1.25	PLUMBING ENLARGED PLANS
P1.26	PLUMBING ROOF PLAN
P5.01	PLUMBING PIPING DIAGRAMS
P6.01	PLUMBING DETAILS

PLUMBING LEGEND

	SOIL OR WASTE LINE BELOW GRADE
	SOIL OR WASTE LINE ABOVE GRADE
IW	INDIRECT WASTE LINE
	COLD WATER LINE
	HOT WATER LINE
	HOT WATER RETURN LINE
GL	GREASE LINE
	VENT LINE
RWL	RAINWATER LEADER LINE
ORWL	OVERFLOW RAINWATER LEADER LINE
SD	STORM DRAIN
FL	FIRE LINE
GV	GATE VALVE
BLV	BALL VALVE
BV	BALANCE VALVE
CKV	CHECK VALVE
	THERMOMETER
	UNION
T & P	TEMPERATURE AND PRESSURE RELIEF LINE
ABC	ABOVE CEILING
UF	UNDER FLOOR
UC	UNDER COUNTER
COTF	CLEANOUT TO FLOOR
COTG	CLEANOUT TO GRADE
CO, WCO	CLEANOUT, WALL CLEANOUT
CW (D)(R)	COLD WATER (DROP) (RISER)
HW (D)(R)	HOT WATER (DROP) (RISER)
W, WD	WASTE, WASTE DROP
FA, TB	FROM ABOVE, TO BELOW
FB, TA	FROM BELOW, TO ABOVE
IE	INVERT ELEVATION
(E), (N)	EXISTING, NEW
V, VR, VTR	VENT, VENT RISER, VENT THRU ROOF
RD	ROOF DRAIN
ORD	OVERFLOW ROOF DRAIN
RWL	RAINWATER LEADER
ORWL	OVERFLOW RAINWATER LEADER
Ø	DIAMETER
TYP	TYPICAL
FD	FLOOR DRAIN
F/L	FLOW LINE
P/L	PROPERTY LINE
DEM	DEMAND
FU	FIXTURE UNITS
GPM	GALLONS PER MINUTE
R.I.O.	ROUGH IN ONLY
UNO	UNLESS NOTED OTHERWISE
NC	NORMALLY CLOSED
O.C.	ON CENTER
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
BG	BELOW GRADE
DD	DECK DRAIN
CI	CAST IRON
CP	CHROMIUM PLATED
SS	STAINLESS STEEL
ROOMNAME --	ROOM NAME AND NUMBER

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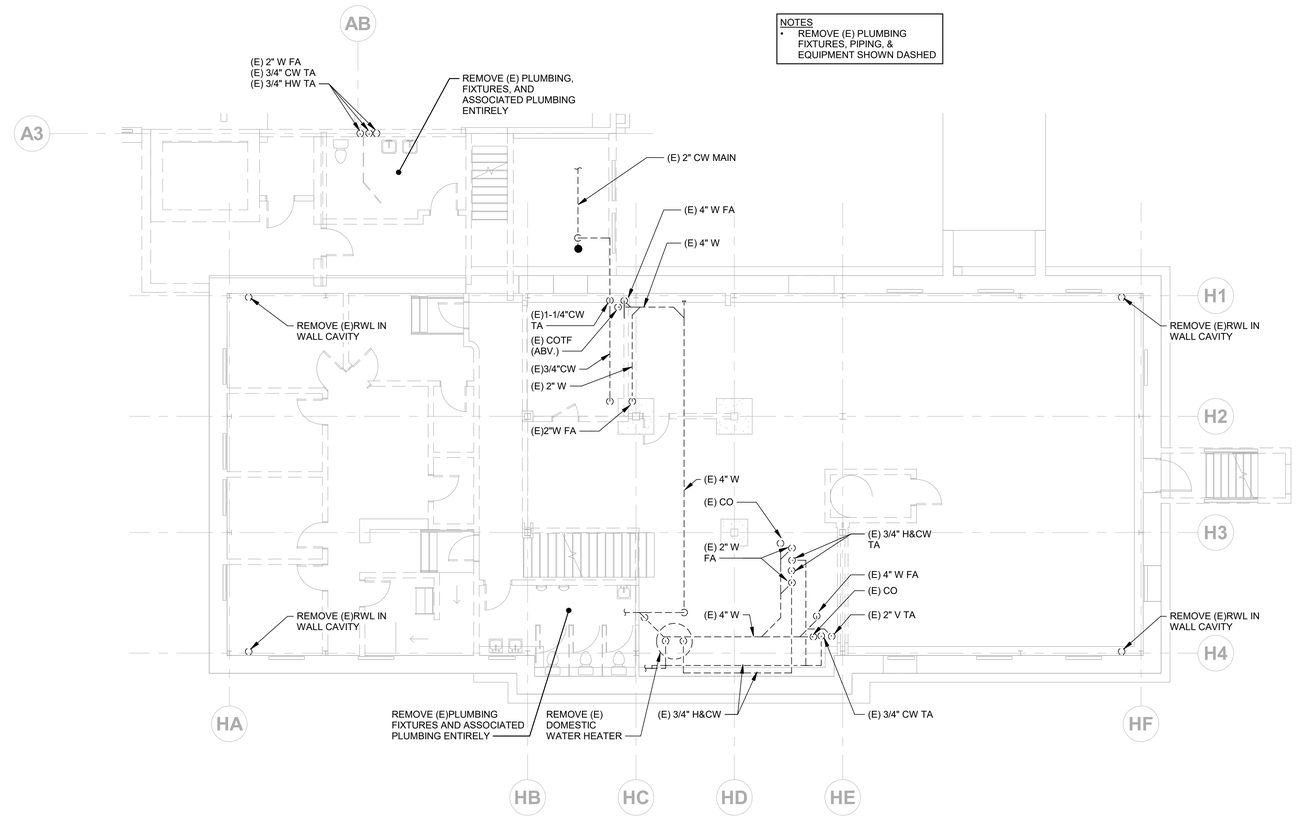
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PLUMBING LEGENDS, SCHEDULES, NOTES

Date: September 23, 2022

Sheet No:

P0.01



PLUMBING HEROES LEVEL 0 DEMOLITION PLAN

1 / P1.01

SCALE: 1/8" = 1'-0"

N

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HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner

NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

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PLUMBING HEROES LEVEL 0 DEMOLITION PLAN

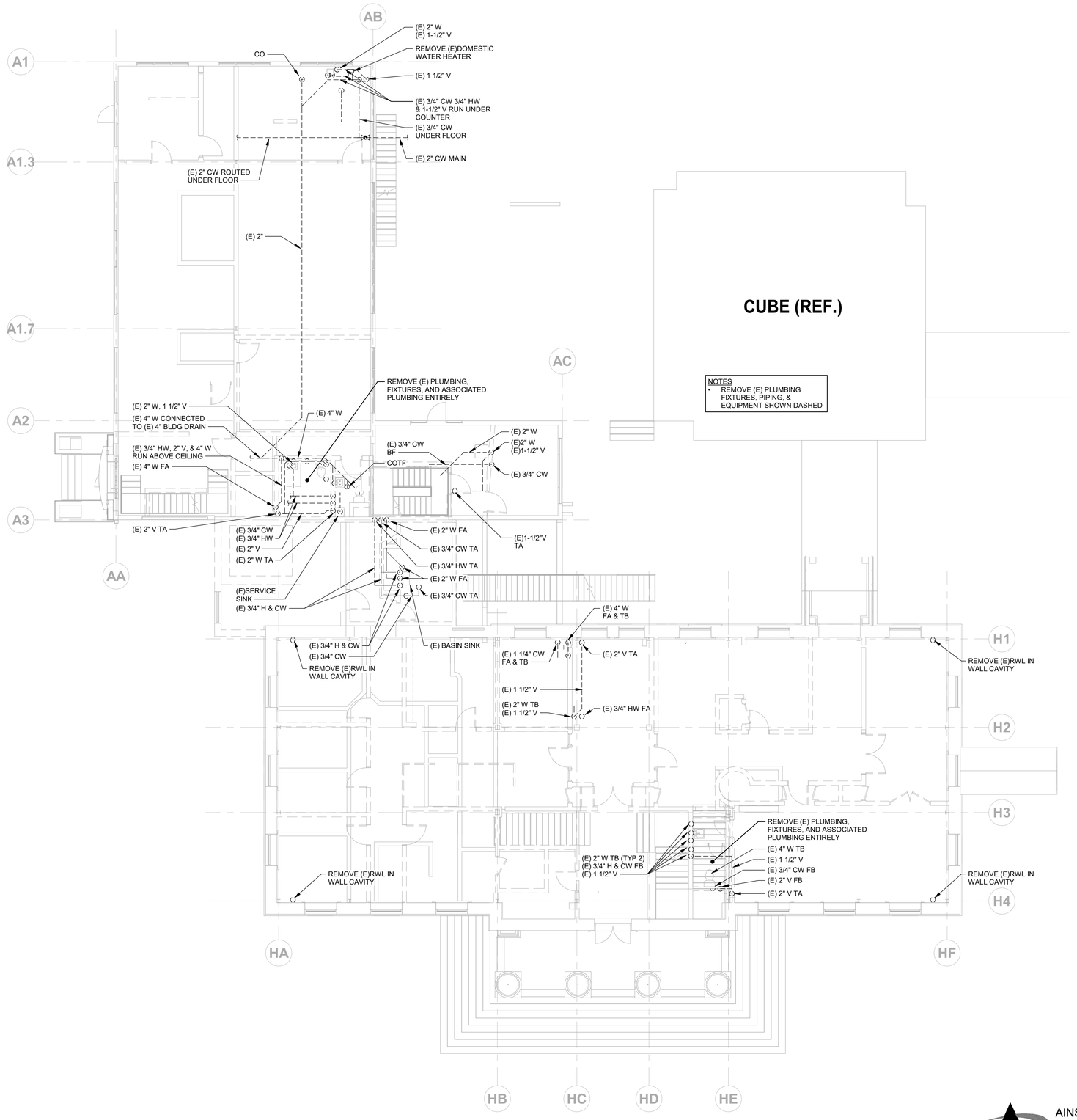
Date: September 23, 2022

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P1.01

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PLUMBING HEROES LEVEL 1 / ANNEX LEVEL 1 DEMOLITION PLAN (1 / P1.02)

SCALE: 1/8" = 1'-0"

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PLUMBING HEROES LEVEL 1 / ANNEX LEVEL 1 DEMOLITION PLAN

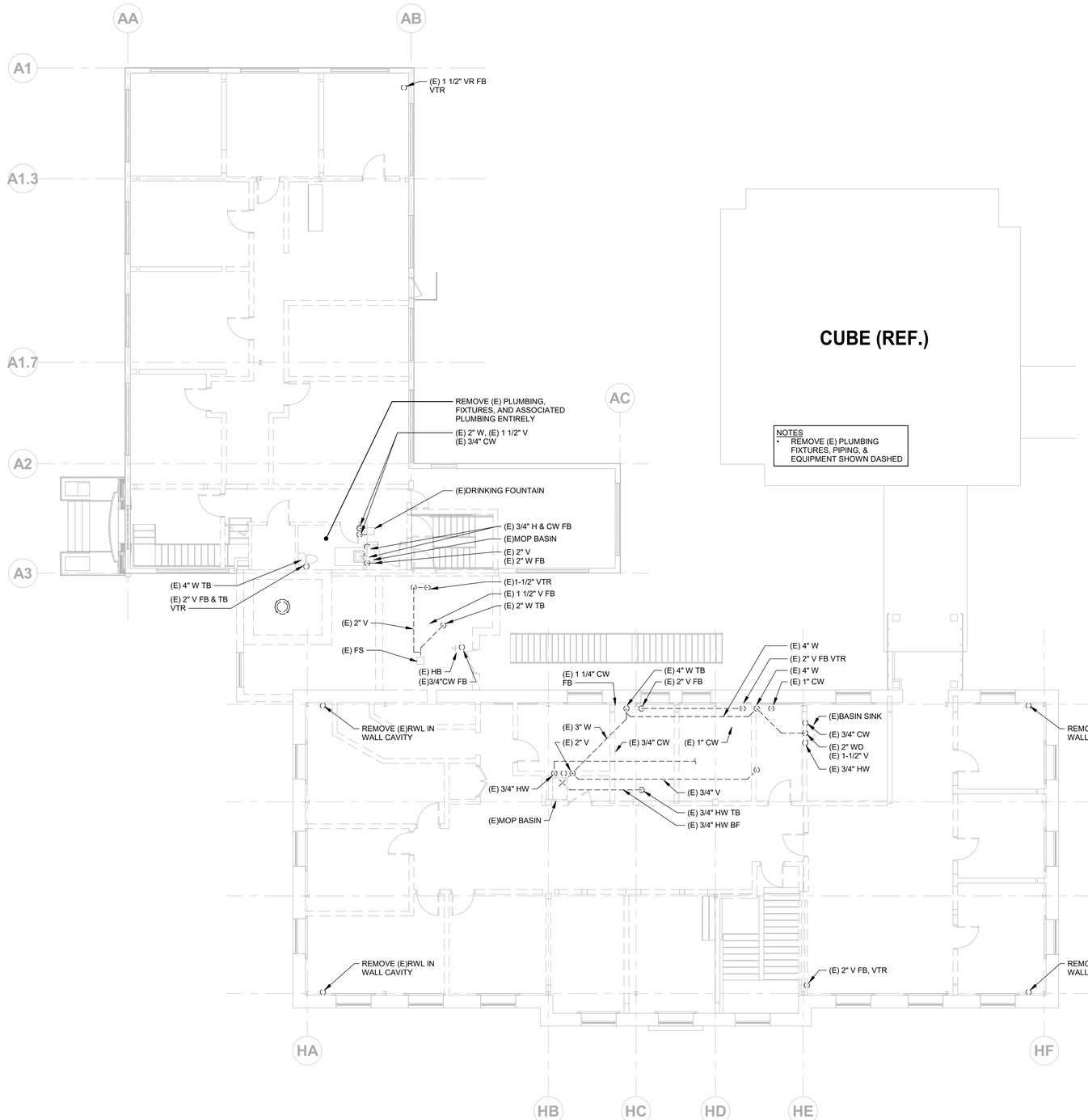
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P1.02

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PLUMBING HEROES LEVEL 2 / ANNEX LEVEL 2 DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

1 / P1.03

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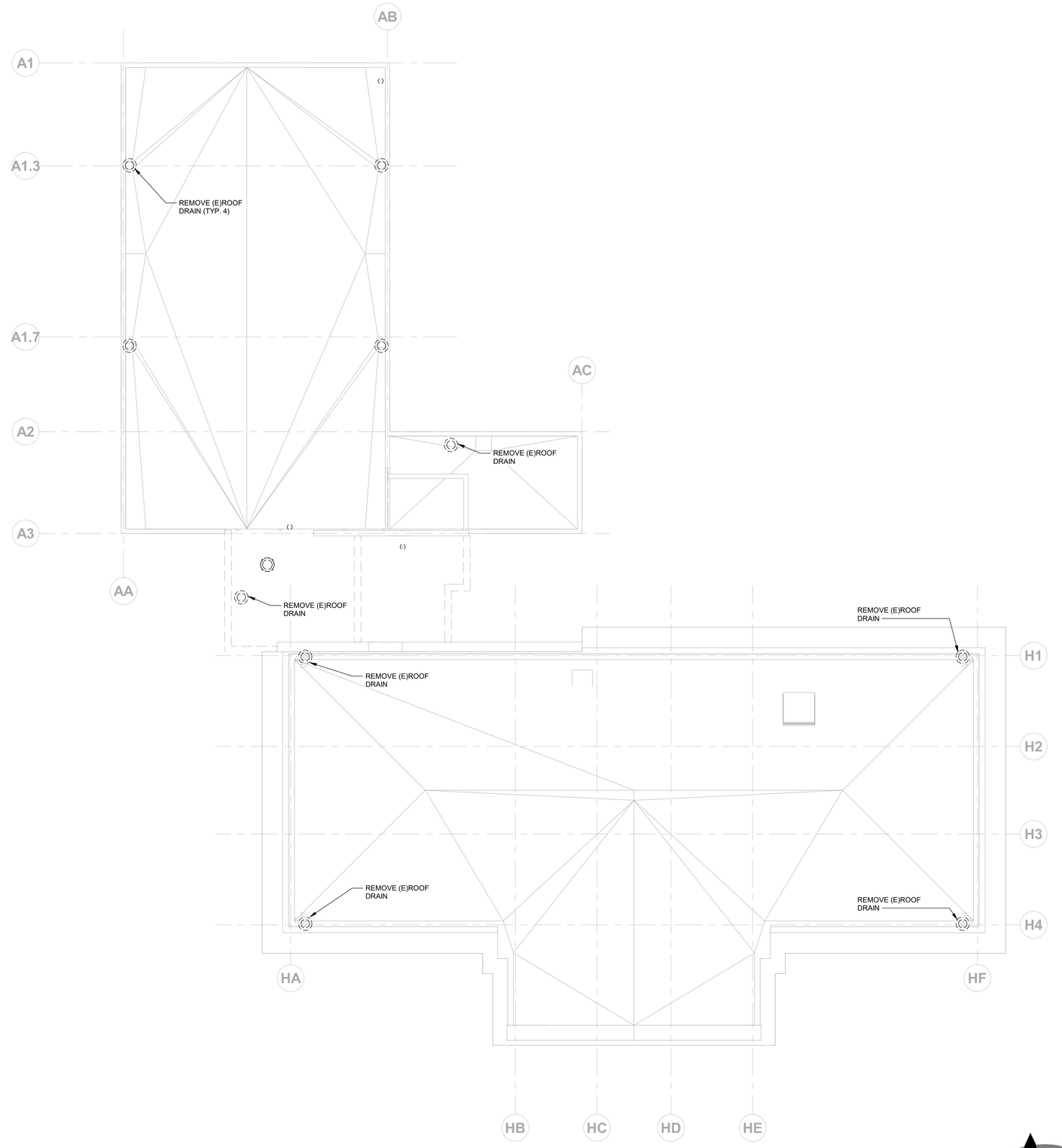
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PLUMBING HEROES LEVEL 2 / ANNEX LEVEL 2 DEMOLITION PLAN

Date: September 23, 2022

Sheet No:

P1.03



PLUMBING ROOF DEMOLITION PLAN 1 P1.04

SCALE: 1/8" = 1'-0"

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PLUMBING ROOF DEMOLITION PLAN

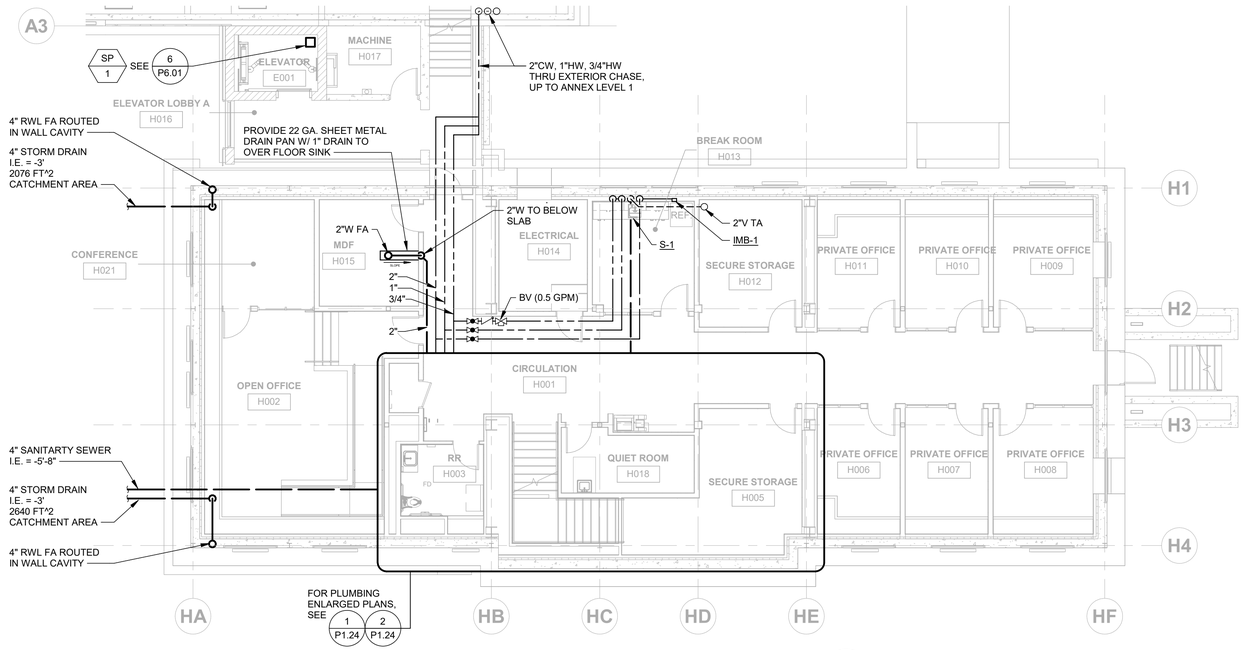
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Sheet No:

P1.04



PLUMBING HEROES LEVEL 0 NEW PLAN

1 P1.21

N

SCALE: 1/8" = 1'-0"

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PLUMBING HEROES LEVEL 0 NEW PLAN

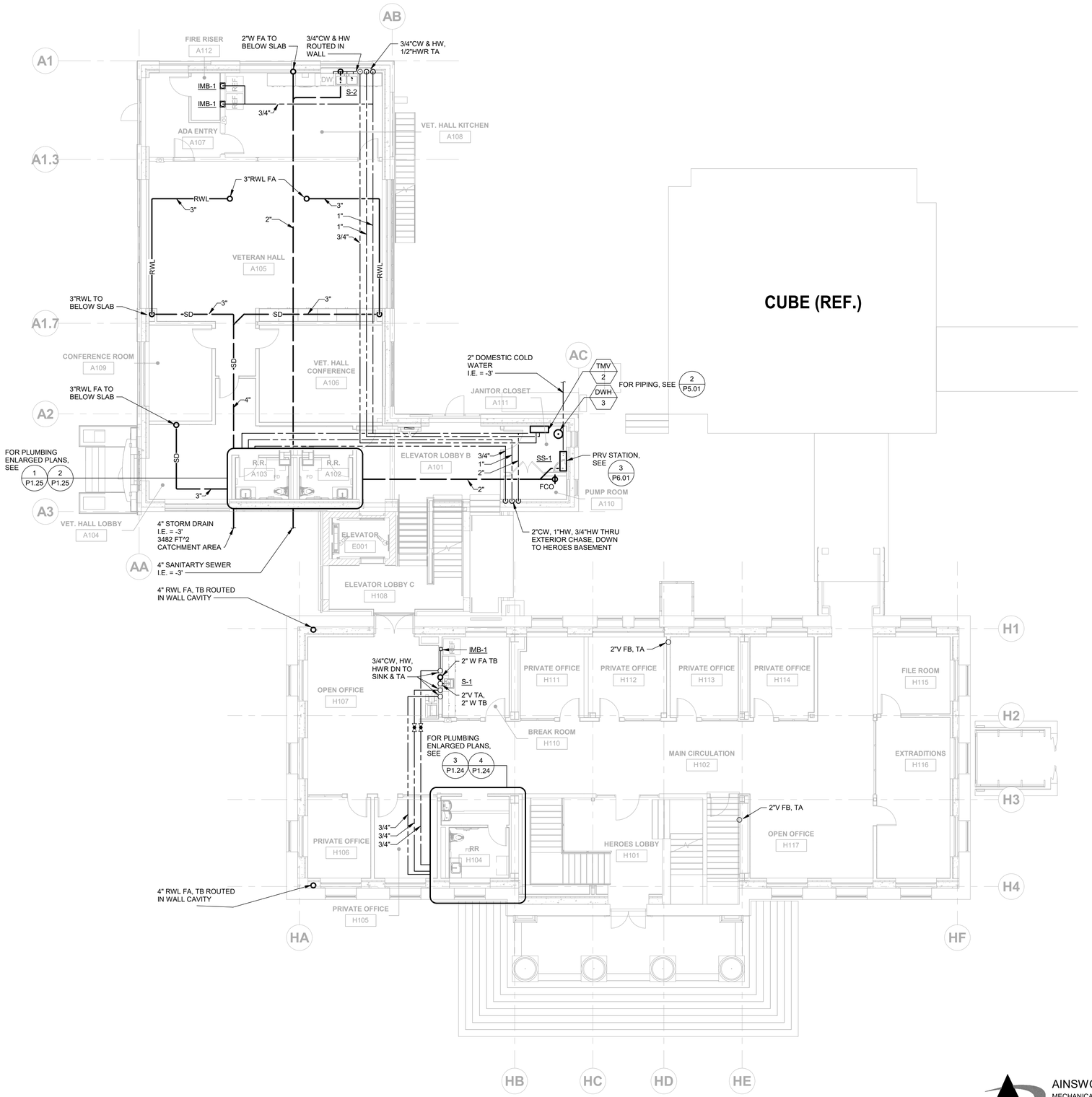
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PLUMBING HEROES LEVEL 1 / ANNEX LEVEL 1 NEW PLAN

SCALE: 1/8" = 1'-0"

1 / P1.22

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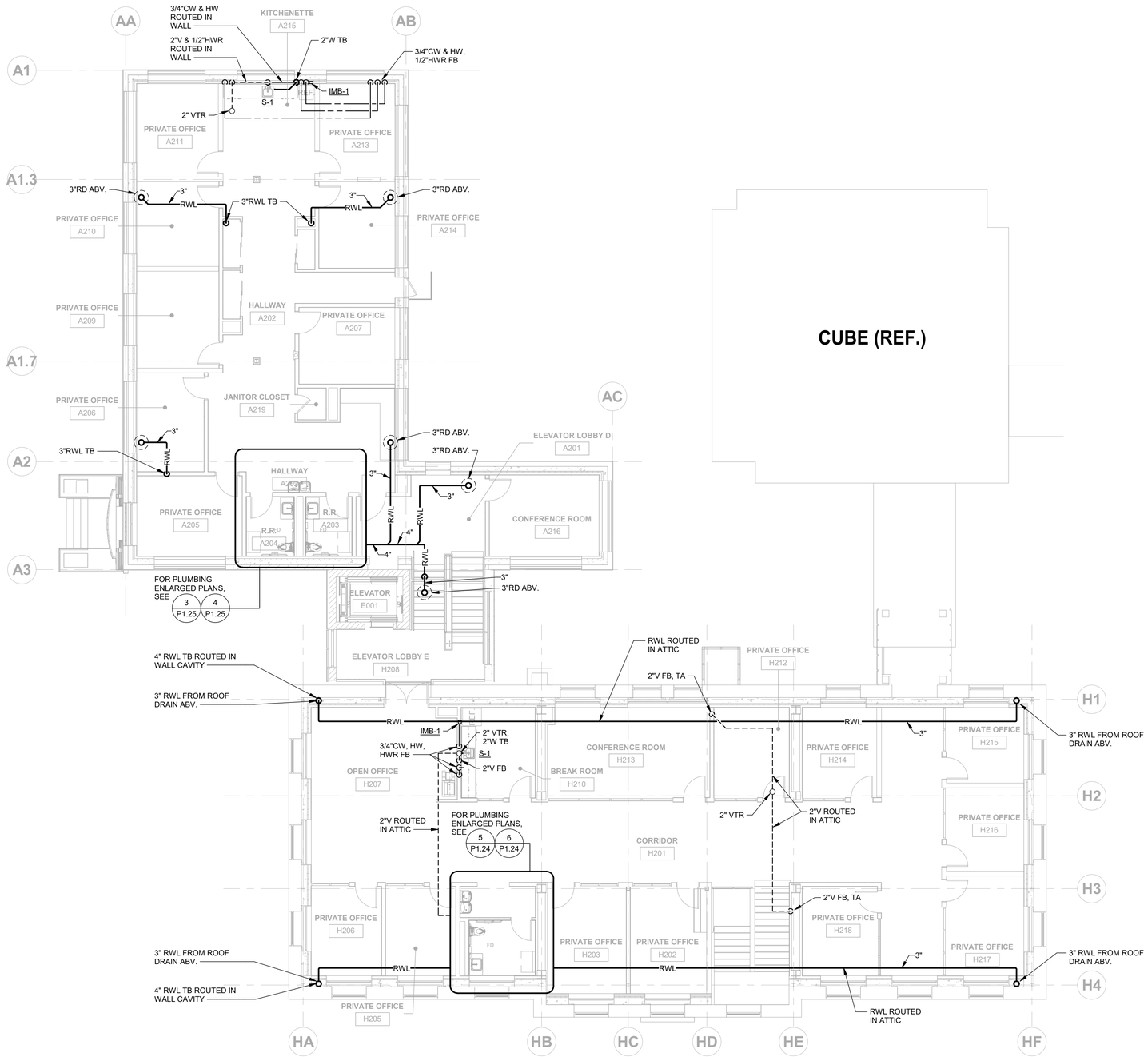
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PLUMBING HEROES/ANNEX LEVEL 1 NEW PLAN

Date: September 23, 2022

Sheet No:

P1.22



CUBE (REF.)

PLUMBING HEROES LEVEL 2 / ANNEX LEVEL 2 NEW PLAN

1 / P1.23

SCALE: 1/8" = 1'-0"

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SPWD Project No. 19-P02

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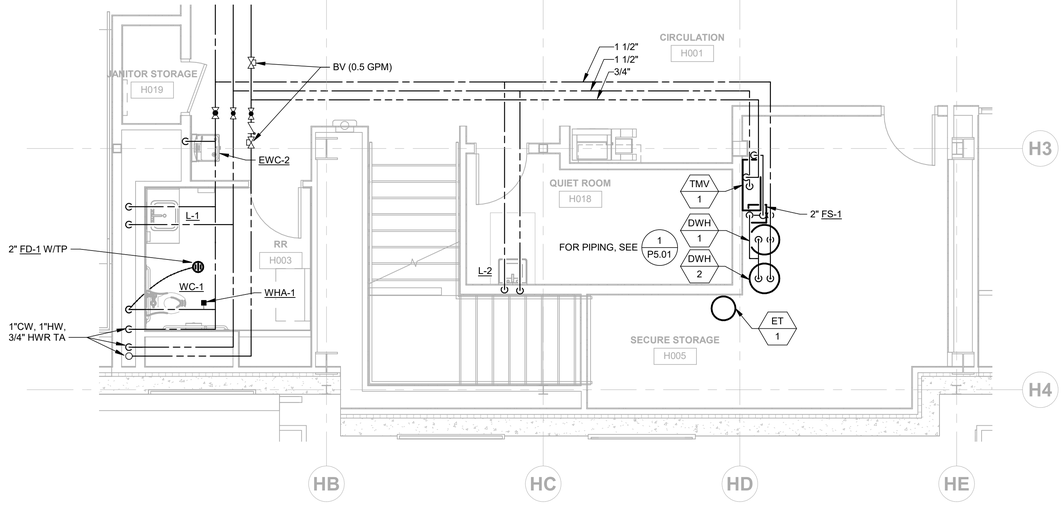
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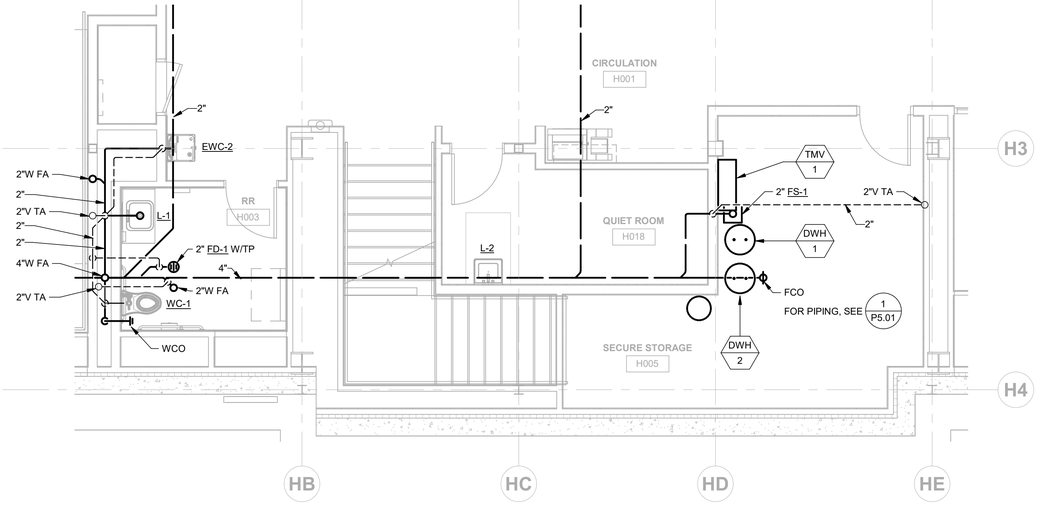
P1.23



PLUMBING ENLARGED PLAN - HEROES LEVEL 0 - DW&U

1 / P1.24

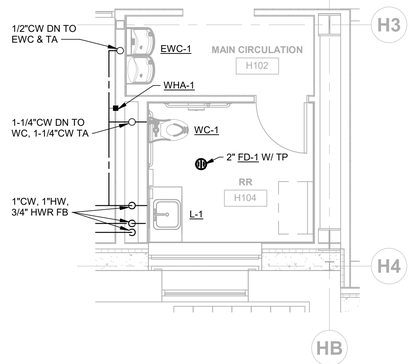
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PLUMBING ENLARGED PLAN - HEROES LEVEL 0 - W&V

2 / P1.24

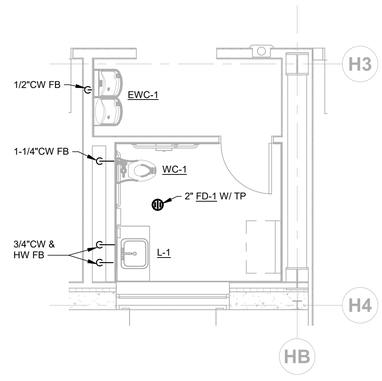
SCALE: 1/4" = 1'-0"



PLUMBING ENLARGED PLAN - RR H019 - DW&U

3 / P1.24

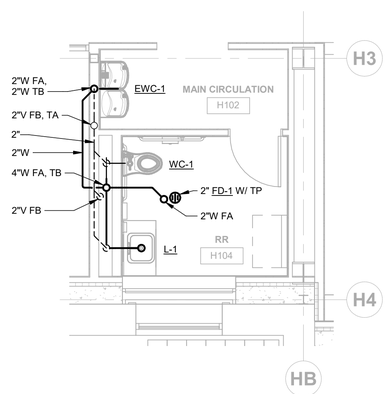
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PLUMBING ENLARGED PLAN - RR 202 - DW&U

5 / P1.24

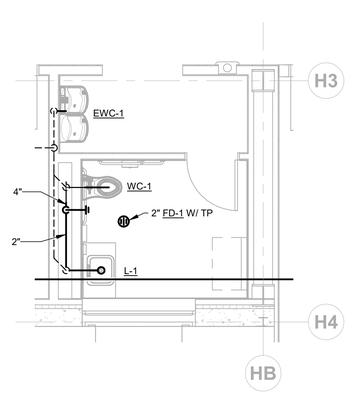
SCALE: 1/4" = 1'-0"



PLUMBING ENLARGED PLAN - RR H019 - W&V

4 / P1.24

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



PLUMBING ENLARGED PLAN - RR 202 - W&V

6 / P1.24

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

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SPWD Project No. 19-P02

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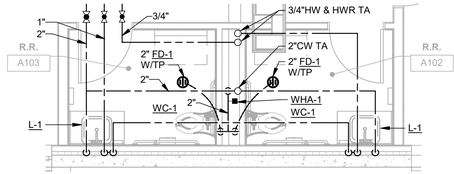
PLUMBING ENLARGED PLANS

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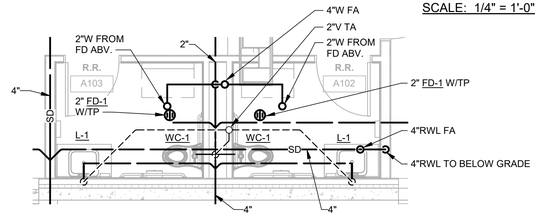


PLUMBING ENLARGED PLAN - RR A102 & A103 - DW&U

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

1 / P1.25

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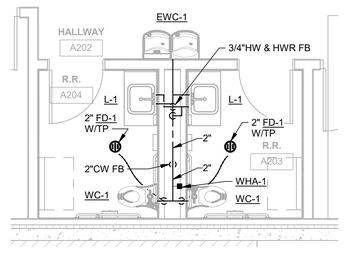
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SCALE: 1/4" = 1'-0"

2 / P1.25

N

A2



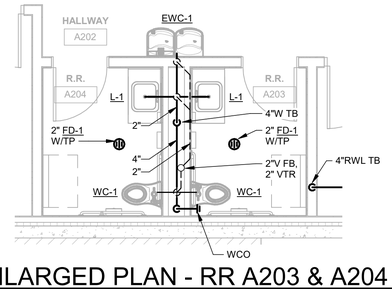
PLUMBING ENLARGED PLAN - RR A203 & A204 - DW&U

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

3 / P1.25

N

A2



PLUMBING ENLARGED PLAN - RR A203 & A204 - W&V

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

4 / P1.25

N

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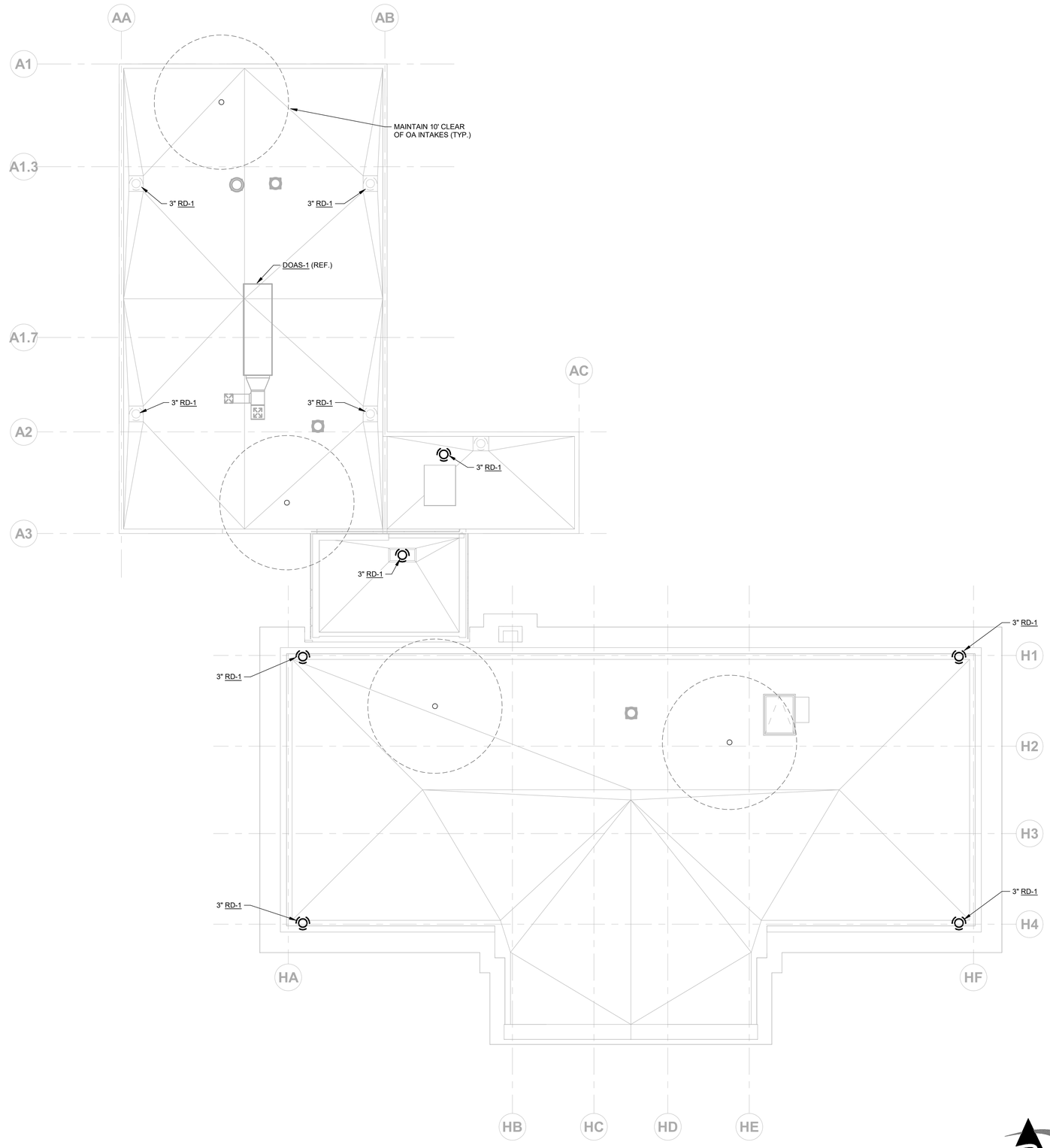
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PLUMBING ENLARGED PLANS

Date: September 23, 2022

Sheet No:

P1.25



PLUMBING ROOF PLAN (1 / P1.26)

SCALE: 1/8" = 1'-0"

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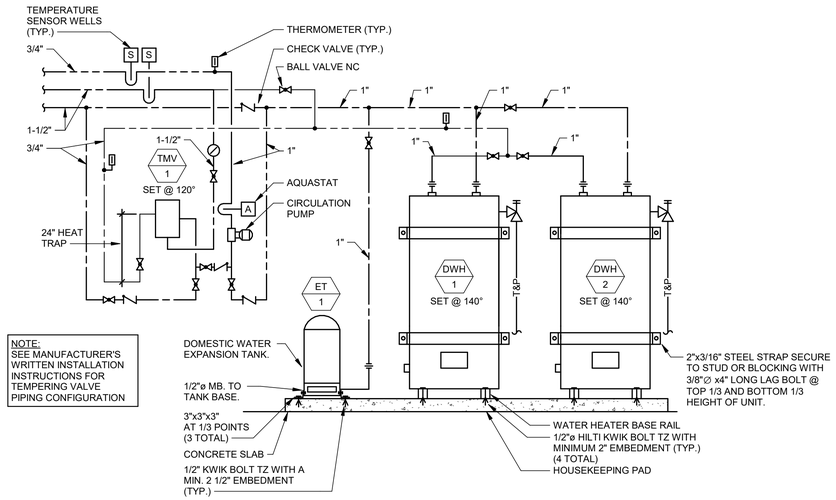
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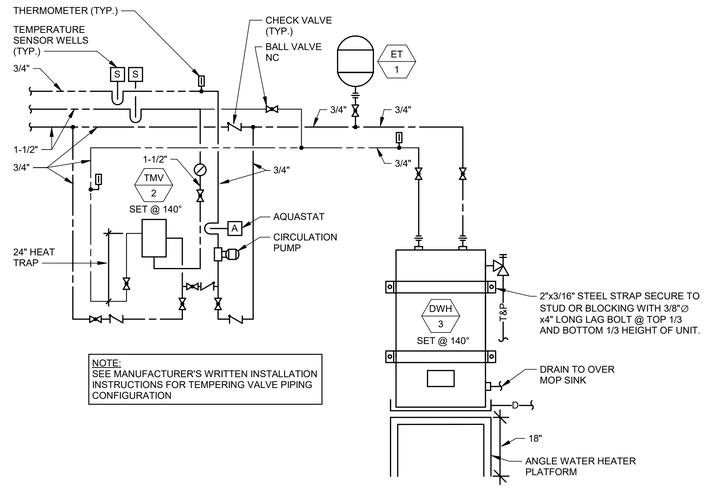
P1.26



DOMESTIC WATER HEATER/TEMPERING VALVE PIPING - DWH 1 & 2

1 / P5.01

SCALE: NONE



DOMESTIC WATER HEATER/TEMPERING VALVE PIPING - DWH 3

2 / P5.01

SCALE: NONE

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Project
HEROES MEMORIAL BUILDING & ANNEX

198 SOUTH CARSON ST.
CARSON CITY, NV 89701

Job No: 21-043

Owner
NEVADA STATE PUBLIC WORKS DIVISION

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 19-P02

50% CONSTRUCTION DOCUMENTS

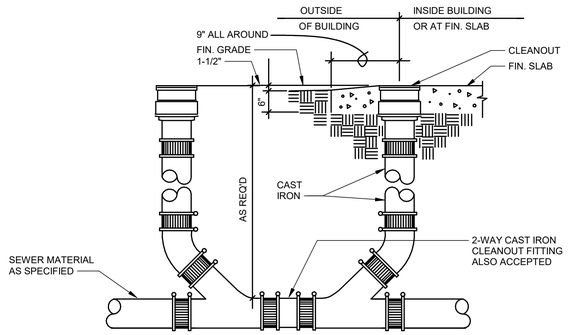
REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
PLUMBING PIPING DIAGRAMS

Date: September 23, 2022

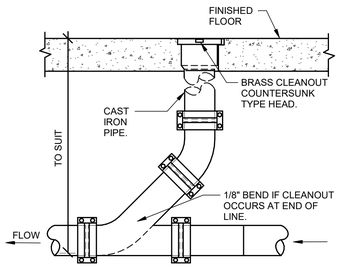
Sheet No:

P5.01



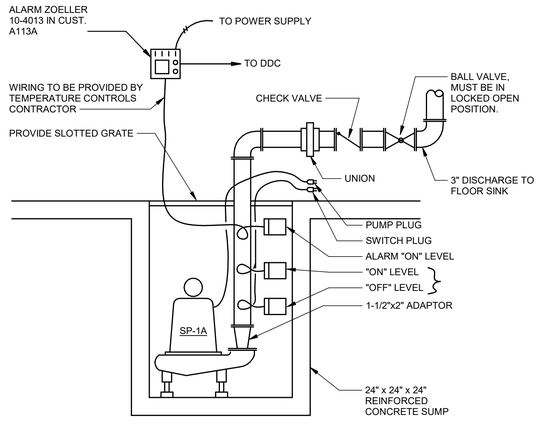
2-WAY CLEANOUT AT GRADE

SCALE: NONE — 1 / P6.01



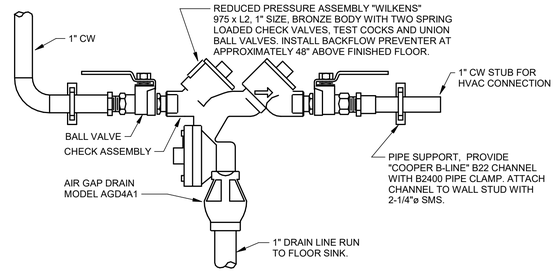
CLEANOUT TO FLOOR DETAIL

SCALE: NONE — 4 / P6.01



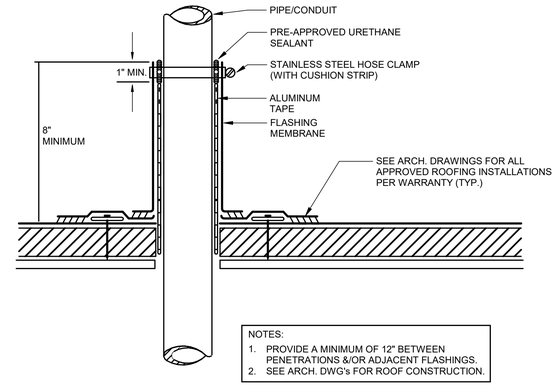
ELEVATOR SUMP PUMP

SCALE: NONE — 6 / P6.01



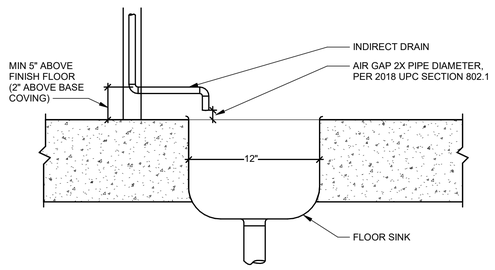
BACKFLOW PREVENTER ASSEMBLY

SCALE: NONE — 2 / P6.01



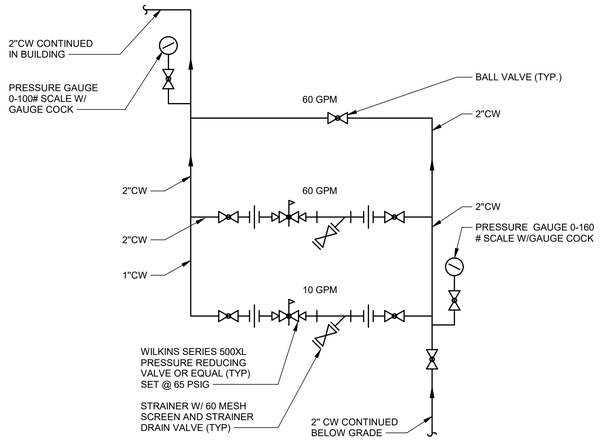
TYPICAL VENT THRU ROOF DETAIL

SCALE: NONE — 5 / P6.01



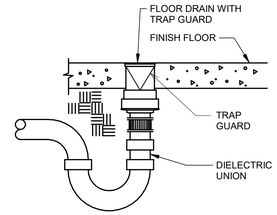
FLOOR SINK INDIRECT DRAINS

SCALE: NONE — 8 / P6.01



PRESSURE REDUCING STATION

SCALE: NONE — 3 / P6.01



FLOOR DRAIN W/TRAP GUARD

SCALE: NONE — 7 / P6.01

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50% CONSTRUCTION DOCUMENTS

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

PLUMBING DETAILS

Date: September 23, 2022

Sheet No:

P6.01

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DRAWING SCHEDULE

SHEET	DESCRIPTION	
E0.01	ELECTRICAL LEGEND & DRAWING SCHEDULE	●
E0.02	FIRE ALARM LEGEND AND ONELINE DIAGRAM	●
E0.03	FIXTURE SCHEDULE AND NARRATIVE	●
E0.04	DETAILS	●
E0.05	LOAD CALCS AND PANEL SCHEDULES	●
E0.06	PANEL SCHEDULES	●
E0.07	PANEL SCHEDULES	●
E0.08	DEMOLITION ONELINE DIAGRAM	●
E0.09	NEW ONELINE DIAGRAM	●
E1.01	OVERALL ELECTRICAL PLANS	●
E2.10	HEROES BASEMENT ELECTRICAL DEMOLITION PLAN	●
E2.11	HEROES LEVEL 1 ELECTRICAL DEMOLITION PLAN	●
E2.12	HEROES LEVEL 2 ELECTRICAL DEMOLITION PLAN	●
E2.21	ANNEX LEVEL 1 ELECTRICAL DEMOLITION PLAN	●
E2.22	ANNEX LEVEL 2 ELECTRICAL DEMOLITION PLAN	●
E3.10	HEROES BASEMENT LIGHTING PLAN	●
E3.11	HEROES LEVEL 1 LIGHTING PLAN	●
E3.12	HEROES LEVEL 2 LIGHTING PLAN	●
E3.13	HEROES ATTIC LIGHTING PLAN	●
E3.21	ANNEX LEVEL 1 LIGHTING PLAN	●
E3.22	ANNEX LEVEL 2 LIGHTING PLAN	●
E4.10	HEROES BASEMENT POWER PLAN	●
E4.11	HEROES LEVEL 1 POWER PLAN	●
E4.12	HEROES LEVEL 2 POWER PLAN	●
E4.21	ANNEX LEVEL 1 POWER PLAN	●
E4.22	ANNEX LEVEL 2 POWER PLAN	●
E5.10	HEROES BASEMENT MECHANICAL POWER PLAN	●
E5.11	HEROES LEVEL 1 MECHANICAL POWER PLAN	●
E5.12	HEROES LEVEL 2 MECHANICAL POWER PLAN	●
E5.21	ANNEX LEVEL 1 MECHANICAL POWER PLAN	●
E5.22	ANNEX LEVEL 2 MECHANICAL POWER PLAN	●
E5.23	ANNEX ROOF MECHANICAL POWER PLAN	●
E6.10	HEROES BASEMENT FIRE ALARM PLAN	●
E6.11	HEROES LEVEL 1 FIRE ALARM PLAN	●
E6.12	HEROES LEVEL 2 FIRE ALARM PLAN	●
E6.21	ANNEX LEVEL 1 FIRE ALARM PLAN	●
E6.22	ANNEX LEVEL 2 FIRE ALARM PLAN	●
	TOTAL SHEETS IN ISSUE:	37

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
- F DISCONNECT SWITCH - FUSIBLE (FUSED PER EQUIP. NAMEPLATE)
- N DISCONNECT SWITCH - NON-FUSIBLE
- DISCONNECT SWITCH PROVIDED BY OTHERS
- VARIABLE FREQUENCY DRIVE
- VARIABLE FREQUENCY DRIVE PROVIDED BY OTHERS
- 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 SWITCHED, +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 *

- LENGED 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
- SHADING INDICATES EGRESS FIXTURE

- 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

- GFI GROUND FAULT INTERRUPTER DEVICE
- M METERING DEVICE
- RM 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
- R PILOT LIGHT (LED) PUSH-TO-TEST. LETTER INDICATES COLOR (R=RED, G=GREEN, A=AMBER, Y=YELLOW)
- R 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)
- R 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

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.

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CD

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

ELECTRICAL LEGEND & DRAWING SCHEDULE

Date: SEPTEMBER 23 2022

Sheet No:

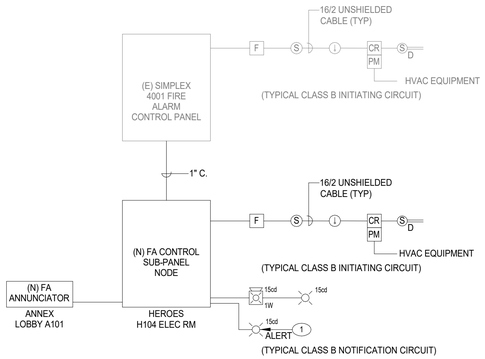
E0.01

ONELINE DIAGRAM NOTES

1. ONELINE DIAGRAM IS FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE A ONELINE DIAGRAM THAT SHOWS ALL DEVICES, NEW AND EXISTING, AS THEY ARE CONNECTED ON THE FLOOR PLAN.

SHEET NOTES

(1) AMBER LENS DEVICE WITH 'ALERT' LETTERING. ADJACENT TO EACH FIRE ALARM STROBE DEVICE.



1 / E0.02 FA Oneline Diagram

Not To Scale

FIRE ALARM MASTER LEGEND & GENERAL NOTES

	FIRE ALARM CONTROL PANEL (FACP) OR REMOTE ANNUNCIATOR PANEL (FAAP): FLUSH MOUNTED, 60" TO CL OF LCD DISPLAY		HORN: WALL MOUNT 90" AFF TO TOP OF DEVICE AND NOT LESS THAN 6" BELOW CEILING
	FIRE ALARM CONTROL PANEL (FACP) / REMOTE ANNUNCIATOR PANEL (FAAP) / VOICE EVAC PANEL (FAVP): SURFACE MOUNTED, 60" TO CL OF LCD DISPLAY.		HORN: CEILING MOUNT
	BOOSTER POWER SUPPLY (BPS): SURFACE MOUNTED	cd	HORN/STROBE: WALL MOUNT 80" AFF TO BOTTOM OF LENS NOTE CANDELA
F	MANUAL PULL STATION: MOUNT AT 48" TO CENTER LINE UNO	cd	HORN/STROBE: CEILING MOUNT NOTE CANDELA
S P I S P I	SMOKE DETECTOR: (P) PHOTOELECTRIC, (I) IONIZATION, (M) MULTI TECHNOLOGY, (H) HORN (LO) LOCAL-ONLY 120V W/INTEGRAL BATTERY: CEILING MOUNT / WALL MOUNT	W	SPEAKER: WALL MOUNT 90" AFF TO TOP OF DEVICE AND NOT LESS THAN 6" BELOW CEILING
S H LO S H LO	LOCAL-ONLY SMOKE DETECTOR: 120V, INTEGRAL BATTERY, WITH HORN & STROBE, CEILING MOUNT OR WALL MOUNT AT 12" BELOW CEILING.	S W	SPEAKER: CEILING MOUNT
S BT S BR	BEAM DETECTOR: (BT) TRANSMITTER, (BR) RECEIVER WALL MOUNT PER MANUFACTURERS SPECIFICATIONS	cd W	SPEAKER/STROBE: WALL MOUNT 80" AFF TO BOTTOM OF LENS NOTE CANDELA
I I	HEAT DETECTOR: (ROR) RATE OF RISE, (F) FIXED, TEMP 135° OR 190° CEILING MOUNT / WALL MOUNT	SS cd W	SPEAKER/STROBE: CEILING MOUNT NOTE CANDELA
MM	MONITOR MODULE: AT OR NEAR DEVICE	15cd	STROBE: WALL MOUNT 80" AFF TO BOTTOM OF LENS NOTE CANDELA
CR	CONTROL RELAY MODULE: AT OR NEAR DEVICE	cd	STROBE: CEILING MOUNT NOTE CANDELA
IM	ISOLATOR MODULE: AT OR NEAR DEVICE	F	FIRE BELL: MOUNTED PER LOCAL CODE
PM	MULTI-VOLTAGE RELAY: AT OR NEAR DEVICE	J	FIRE ALARM JUNCTION BOX, W/RED COVER & FA CKT LABEL
SM	SINGLE INPUT MODULE: AT OR NEAR DEVICE	KH	HOOD FIRE SUPPRESSION SYSTEM CONNECTION
DM	DUAL INPUT MODULE: AT OR NEAR DEVICE	AL	REMOTE ALARM LAMP
DH	MAGNETIC DOOR HOLDER: SYSTEM POWERED AND CONTROLLED UNO, MOUNTING PER PLANS	FS	FIRE SPRINKLER FLOW SWITCH
J/H	FIREMAN'S PHONE: MOUNTED AT +48" TO TOP UNO, JACK OR HANDSET	TS	FIRE SPRINKLER TAMPER SWITCH
EOLR	END OF LINE RESISTOR	FSD	FIRE/SMOKE DAMPER: COORDINATE INSTALLATION AND MOTOR DE-ENERGIZE PROCEDURES WITH MECHANICAL CONTRACTOR. ELECTRICQAL CONTRACTOR SHALL PROVIDE RACEWAY, POWER, AND CONTROL WIRE AS NECESSARY.
		S D	DUCT SMOKE DETECTOR: 1 EA AT SUPPLY (2000 CFM) 1 EA RETURN & SUPPLY (15,000 CFM)

NOTES:

1. 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 LOCAL AHJ REQUIREMENTS.
2. 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 LOCAL AHJ AND COMPLY WITH APPLICABLE CODES FOR ANY ADDITIONAL DEVICES OR EQUIPMENT THAT MAY BE REQUIRED.
3. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE LOCAL AHJ AND THE ENGINEER OF RECORD.
4. FIRE ALARM SYSTEM SHALL BE CLASS 1 CIRCUITING AS REQUIRED BY LOCAL AHJ AND NFPA-70.
5. ALL FIRE ALARM WIRING TO BE RUN IN 3/4" CONDUIT. ALL FIRE ALARM CONDUIT SHALL BE MANUFACTURED RED CONDUIT. (CONDUIT SHALL NOT BE SPRAY PAINTED).
6. 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 AHJ REQUIREMENTS.
7. CONNECT TO THE TELEPHONE SYSTEM WITH DIAL OUT BY POINT (CITY OF RENO JURISDICTION ONLY). IF A SYSTEM IS SELECTED THAT DOES NOT HAVE DIAL OUT BY POINT, THEN THE SUB-CONTRACTOR SHALL PROVIDE A REMOTE ANNUNCIATOR AT ENTRANCE DESIGNATED BY LOCAL AHJ.
8. 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.
9. MANUAL PULL STATIONS SHALL BE MOUNTED 48" TO CENTER OF DEVICE.
10. 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 A.17.7.4.1, (2010).
11. DETECTOR LOCATION FOR DOOR HOLD ACTIVATION SHALL BE PER NFPA-72, 17.7.5.6.6.1, (1-3), (2010), WHEN REQUIRED.
12. AREA SMOKE DETECTION AND DUCT DETECTORS SHALL SHUT DOWN ALL MECHANICAL UNITS.
13. 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 LOCAL AHJ. A COPY OF THE RECORD OF COMPLETION AND CERTIFICATE OF OCCUPANCY SHALL BE SUBMITTED TO THE ENGINEER OF RECORD.

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PLEASE RECYCLE

Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CD

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

FIRE ALARM LEGEND AND ONELINE DIAGRAM

Date: SEPTEMBER 23 2022

Sheet No:

E0.02

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	11 VA	LED DOWNLIGHT, 4.5" SQUARE APERTURE, SHALLOW PLENUM, WIDE DISTRIBUTION. SOURCE: LED , 1000 LUMENS, 4000K VOLTAGE: 277 V MANUFACTURER: HE WILLIAMS 4PS-L10 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	L12	16 VA	LED, LINEAR SURFACE MOUNT, LENGTH PER PLANS, 120° SYMMETRIC LENS, LOW OUTPUT, CLEAR ANODIZED FINISH. SOURCE: LED, 450 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: VODE LIGHTING 707-Z2-SL-XX-X-X-X-2-Z-LO-40-S3 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A10	0 VA	LED SUSPENDED LINEAR, 6' LENGTH, EXTRUDED ALUMINUM FIXTURE STEM MOUNTED WITH 3/4" ETCHED GLASS, UP/DOWN LIGHT. SOURCE: LED, 4150 LUMENS, 3000K VOLTAGE: 277 V MANUFACTURER: BOYD T-LIGHT PENDANT 6' #10615 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L2	18 VA	LED DOWNLIGHT, 4.5" SQUARE APERTURE, SHALLOW PLENUM, WIDE DISTRIBUTION. SOURCE: LED, 1500 LUMENS, 4000K VOLTAGE: 277 V MANUFACTURER: HE WILLIAMS 4PS-L15 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	L13	26 VA	LED, LINEAR ROUND PROFILE 1-1/4" WITH SILVER EXTERIOR AND 120 DEGREE FLYWING DISTRIBUTION. DIFFUSE LENS, 100% DIRECT LIGHT. 0-10V DIM TO 1%. REMOTE DRIVER. SOURCE: LED, 2752 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: VODE LIGHTING 707-RR-01-4-48-CC-48-4R25-AT-2-0-Z-SO-40-G2-0-WH SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A11	25 VA	LED, VANITY WALL SCONCE. LINEAR PROFILE WITH UP/DOWN DISTRIBUTION. ACRYLIC LENS. SOURCE: LED, 1760 LUMENS, 4000K VOLTAGE: 120 V MANUFACTURER: OCL ARCHITECTURAL LIGHTING DUO D01-S1SA-24-MW-SMP-2LED1-40K-940K-UNV-DM1 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L3	24 VA	LED DOWNLIGHT, 4.5" SQUARE APERTURE, SHALLOW PLENUM, WIDE DISTRIBUTION. SOURCE: LED , 2000 LUMENS, 4000K VOLTAGE: 277 V MANUFACTURER: HE WILLIAMS 4PS-L20 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	L14	1 VA	LED, WALL PACK MICRO-PRISMATIC TEMPERED GLASS LENS, BLACK FINISH WITH FORWARD THROW DISTRIBUTION. SOURCE: LED, 3327 LUMENS, 4000K VOLTAGE: 277 V MANUFACTURER: H.E. WILLLIAMS VWPH-L30/740-TFT-BLK-SDGL-DIM-UNV SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A12	25 VA	9" SQUARE SURFACE MOUNTED FIXTURE. 0-10V DIMMING TO 1%. SOURCE: LED, 905 LUMENS, 4000K VOLTAGE: 277 V MANUFACTURER: TECH LIGHTING BOXIE 700BX L S LED4 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L4	18 VA	LED, 2X4 RECESSED TROFFER, VOLUMETRIC LUMINAIRE, CENTER BASKET, MICROGLOW PRISMATIC LENS SHIELDING. SOURCE: LED, 2000 LUMENS, 4000K VOLTAGE: 277 V MANUFACTURER: FOCAL POINT FEQ2-22-MG-2000L SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TT REVIEW ○ NO EQUAL	S1R	45 VA	LED SURFACE TRIANGLE LENS FIXTURE, IMPACT RESISTANT LENS WITH SINGLE BRONZE FINISH CROSSBAR. SOURCE: LED , 3544 LUMENS, 4000K VOLTAGE: 277 V MANUFACTURER: KENALL MILLENIUM FREESCALE SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A14	23 VA	DECORATIVE 18" PENDANT, PLATNIUM FABRIC EXTERIOR FINISH, WHITE LINEN INTERIOR FABRIC, DIM TO 1% SOURCE: LED,2153 LUMENS, 4000K VOLTAGE: 277 V MANUFACTURER: LUMENART DSC18X6 23W LED UNV 4000K WHITE LINEN PLANTINUM 0-10V DIM SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L5	24 VA	2x2 LED ARCHITECTURAL RECESSED FIXTURE, WITH MICROGLOW PRIMSMATIC LENS, 0-10V DIMMING TO 1%, WHITE FINISH. SOURCE: LED, 2500 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: FOCAL POINT FEQ2-22-MG-2500L SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	T1	2 VA	LED, 24 VOLT, HIGH EFFICACY DYNAMIC COLOR LINEAR STRIP. SOURCE: LED, 255 LUMENS PER FOOT, 4000K VOLTAGE: 277 V MANUFACTURER: Q TRAN LED RGBW-HE24/8.0 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	L13	26 VA	LED, LINEAR ROUND PROFILE 1-1/4" WITH SILVER EXTERIOR AND 120 DEGREE FLYWING DISTRIBUTION. DIFFUSE LENS, 100% DIRECT LIGHT. 0-10V DIM TO 1%. REMOTE DRIVER. SOURCE: LED, 2752 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: VODE LIGHTING 707-RR-01-4-48-CC-48-4R25-AT-2-0-Z-SO-40-G2-0-WH SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L6	30 VA	LED, 2X4 RECESSED TROFFER, VOLUMETRIC LUMINAIRE, CENTER BASKET, MICROGLOW PRISMATIC LENS SHIELDING. SOURCE: LED, 3000 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: FOCAL POINT EQUATION 2 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A1	22 VA	DECORATIVE WALL SCONCE, ADA COMPLIANT, ALUMINUM HOUSING WITH TEXTURED FINISH (PER ARCHITECT). SOURCE: LED, 2690 LUMENS, 4000K VOLTAGE: 277 V MANUFACTURER: TERON LTG CONCERTO CTO-L21.6-LT700-277V-XX-40K SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A16	7 VA	LED DECORATIVE WALL SCONCE, MATTE WHITE POWDERCOAT WITH FROSTED ACRYLIC LENS. 0-10V DIMMING TO 1% SOURCE: LED, 652 LUMENS, 3000K VOLTAGE: 277 V MANUFACTURER: LUMENART ALUME AWL 64.1 7W 3000K UNV WH SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L7	22 VA	LED, 2X4 RECESSED TROFFER, #12 PATTERN ACRYLIC LENS SHIELDING. SOURCE: LED, 2600 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: HE WILLIAMS 50-G-S22-L26/840-SAF12125 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A2	15 VA	DECORATIVE 15" SURFACE DRUM, ACRYLIC HOUSING WITH BLACK WOVEN EXTERIOR FINISH. SOURCE: LED, 2234 LUMENS, 4000K VOLTAGE: 120 V MANUFACTURER: BROWNLEE LTG BOOST SURFACE 2340 15 B12 WBK 40K SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A18	34 VA	LED CHANDELIER WITH 8 ADJUSTABLE LENGTH PENDANT DISCS. NATURAL BRASS FINISH. SOURCE: LED, 1816 LUMENS, 3000K VOLTAGE: 120 V MANUFACTURER: TECH LIGHTING EAVES 8 700TRSPEVS 8R NB LED930 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L8	21 VA	LED, 4' LINEAR STRIP, ROUND RADIAL RIBBED FROST ACRYLIC LENS. SOURCE: LED, 3000 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: HE WILLIAMS 76R-4-L30/840 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A4	22 VA	DECORATIVE 11" SURFACE FIXTURE, BRUSHED NICKEL FINISH WITH ROUND FROSTED GLASS LENS. SOURCE: LED, 1600 LUMENS, 3000K VOLTAGE: 120 V MANUFACTURER: KUZCO FM3511-BN SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	X1	2 VA	LED EXIT SIGN, RECESSED EDGE LIT WITH GREEN LETTERING, MIRROR PANEL AND ANODIZED ALUMINUM FINISH. SOURCE: LED VOLTAGE: 277 V MANUFACTURER: HE WILLIAMS EXIT/EL/RECESSED SF/DF G MP AN EM SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L8A	30 VA	LED, 4' LINEAR STRIP, FULLY ENCLOSED GASKETED INDUSTRIAL STRIP. NEMA 4X RATED. SOURCE: LED, 4000 LUMENS, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: HE WILLIAMS 96-4-L40-8-40 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A6	16 VA	LED, EXTERIOR WALL SCONCE, ALUMINUM HOUSING, WET LOCATION LISTED. INTEGRAL MOTION SENSOR, 0-10V DIMMING TO 1%. SOURCE: LED, 1465 LUMENS, 4000K VOLTAGE: 277 V MANUFACTURER: BROWNLEE LTG BRICK 7075 12 TB H16 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL			
L9	5 VA	LED, LINEAR PENDANT, 20% INDIRECT/ 80% DIRECT, LENGTH PER PLANS, WHITE RECTANGULAR METAL HOUSING, LINEAR SEMI-SPECULAR PLASTIC REFLECTOR. SOURCE: LED, 536 LUMENS/LF, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: FLUXWERX PF1-F-DA-40-A-XX-G SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A8B	0 VA	LED 18" DIAMTER ALUMINUM DOME PENDANT, BLACK FINISH. AIRCRAFT CABLE MOUNT REMOTE DRIVER, DIM TO 1%. SOURCE: LED, 1530 LUMENS, 4000K VOLTAGE: 120 V MANUFACTURER: OCL ARCH. LIGHTING NOVA PENDANT NO1-P1FI-18-MW-BKP-LED1-40K-UNV-48-DM1 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL			
L10	5 VA	LED, LINEAR SURFACE MOUNT, 100% DIRECT, LENGTH PER PLANS, WHITE RECTANGULAR METAL HOUSING, LINEAR SEMI-SPECULAR PLASTIC REFLECTOR. SOURCE: LED, 639 LUMENS/LF, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: FLUXWERX PF1-F-BB-40-A-XX-G SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A8W	0 VA	LED 18" DIAMTER ALUMINUM DOME PENDANT, WHITE FINISH. AIRCRAFT CABLE MOUNT REMOTE DRIVER, DIM TO 1%. SOURCE: LED, 1530 LUMENS, 4000K VOLTAGE: 120 V MANUFACTURER: OCL ARCH. LIGHTING NOVA PENDANT NO1-P1FI-18-MW-SWP-LED1-40K-UNV-48-DM1 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL			
L11	5 VA	LED, LINEAR SURFACE MOUNT, 100% DIRECT, LENGTH PER PLANS, WHITE RECTANGULAR METAL HOUSING, LINEAR SEMI-SPECULAR PLASTIC REFLECTOR. SOURCE: LED, 639 LUMENS/LF, 4000K, 80CRI VOLTAGE: 277 V MANUFACTURER: FLUXWERX PF1-F-BB-40-A-XX-G SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL	A9	0 VA	LED, 25" ACOUSTIC SHADE PENDANT. WHITE CANOPY WITH CUSTOM 'INTERWINE - NAVY' (OUTER) & 'SUNFLOWER' (INNER) SHADE. SOURCE: LED VOLTAGE: 120 V MANUFACTURER: LUMETTA TAPER L2 PT2521L2A WHITE DL20B D166 L411-LED 277V CCT 4000K CRI90 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL			

LIGHTING CONTROL SEQUENCE OF OPERATION NARRATIVE

GENERAL
- THE LIGHTING CONTROL SYSTEM SHALL BE A DIGITAL, NETWORKED SYSTEM
- THE SYSTEM SHALL BE CAPBABLE OF INTERFACING WITH THE HVAC BUILDING MANAGEMENT SYSTEM (BMS) VIA BACNET

PRIVATE OFFICES
- DIMMING WALL SWITCH SHALL CONTROL ALL FIXTURES
- CONTROL STATION SHALL HAVE ON/OFF/RAISE/LOWER
- OCCUPANCY SENSOR(S) SHALL CONTROL ALL LIGHTS
  - 10-MINUTE INACTIVITY TIME-OUT
  - MANUAL ON/OFF WITH AUTOMATIC (VACANCY) OFF

CORRIDORS/CIRCULATION/ENTRIES/LOBBIES
  - OCCUPANCY SENSOR(S) SHALL CONTROL ALL LIGHTS
  - 20-MINUTE INACTIVITY SHALL DIM LIGHTS TO 50%
  - OUTSIDE OF OPERATING HOURS: OFF AFTER 10-MINUTE SENSOR TIMEOUT
  - AUTOMATIC ON-AUTOMATIC OFF
- LIGHTS CIRCUITED TO AN INVERTER SHALL PROVIDE FULL LIGHT OUTPUT IN EMERGENCY OPERATION AND RELEASE ALL OTHER CONTROL

OPEN OFFICE/FLEX LOUNGE
- DIMMING WALL SWITCH SHALL CONTROL ALL FIXTURES IN THE AREA, WITH RAISE-LOWER-OFF-ON FUNCTIONALITY
- OCCUPANCY SENSOR(S) SHALL CONTROL ALL LIGHTS
  - 20-MINUTE INACTIVITY SHALL DIM LIGHTS TO 50%
  - OUTSIDE OF OPERATING HOURS: OFF AFTER 10-MINUTE SENSOR TIMEOUT
  - MANUAL ON-AUTOMATIC(VACANCY) OFF

CONFERENCE/MEETING ROOMS
- DIMMING WALL SWITCH SHALL CONTROL FIXTURES IN THE AREA, IN GROUPS AS DESGINATED ON PLANS WITH RAISE-LOWER-OFF-ON FUNCTIONALITY
- OCCUPANCY SENSOR(S) SHALL CONTROL ALL LIGHTS
  - 20-MINUTE INACTIVITY TIME-OUT
  - MANUAL ON-AUTOMATIC(VACANCY) OFF

LIGHTING CONTROL SEQUENCE OF OPERATION NARRATIVE (CONT'D)

VET. HALL KITCHEN
- MANUAL ON/OFF CONTROL, A/B SWITCHED

RESTROOMS
- OCCUPANCY SENSOR(S) SHALL CONTROL ALL FIXTURES
  - FIXTURES SHALL BE AUTOMATIC ON-AUTOMATIC (VACANCY) OFF
  - 10-MINUTE INACTIVITY TIMEOUT
  - LOCAL SWITCH FOR ON-OFF CONTROL

STORAGE ROOMS
- OCCUPANCY SENSOR(S) SHALL CONTROL ALL FIXTURES
  - FIXTURES SHALL BE MANUAL ON-AUTOMATIC (VACANCY) OFF
  - 10-MINUTE INACTIVITY TIMEOUT
  - LOCAL SWITCH FOR ON-OFF CONTROL

MECHANICAL ROOMS/PENTHOUSES
- MANUAL ON/OFF CONTROL, A/B SWITCHED

ELECTRICAL AND TELECOM ROOMS
- MANUAL ON/OFF CONTROL

EXTERIOR - BUILDING MOUNTED
- 365/7 DAY PROGRAMMABLE ASTRONOMICAL TIME CLOCK AND PHOTOCELL CONTROLLED VIA LIGHTING CONTROL PANEL
  - INDIVIDUAL FIXTURE MOTION SENSOR SHALL DIM FIXTURES TO 30% OUTPUT IN PERIODS OF NO MOTION DETECTED; FIXTURES SHALL GO TO FULL OUTPUT WHEN OCCUPANCY IS DETECTED. 10-MINUTE INACTIVITY TIMEOUT.
  - FIXTURES SHALL AUTOMATICALLY TURN ON/OFF AT DUSK/DAWN
    - THE OWNER SHALL HAVE THE OPTION TO TURN OFF ALL LIGTHING AT PRE-PROGRAMMED TIMES
  - EAVE HOLIDAY LIGHTING - SEPARATE CONTROLLER WITH SIMILAR FUNCTION. ABILITY TO PRE-PROGRAM DAYS FOR USE ON SCHEDULE WITH PHOTOCELL ON/OFF CONTROL
  - POWER CIRCUIT SHALL BE FED VIA LIGHTING INVERTER AND TURN ON ALL EXTERIOR BUILDING MOUNTED FIXTURES IN EMERGENCY MODE (BUILDING POWER LOSS) AND BYPASS ALL CONTROL

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PLEASE RECYCLE

Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CD

REVISIONS		
REV	DATE	DESCRIPTION

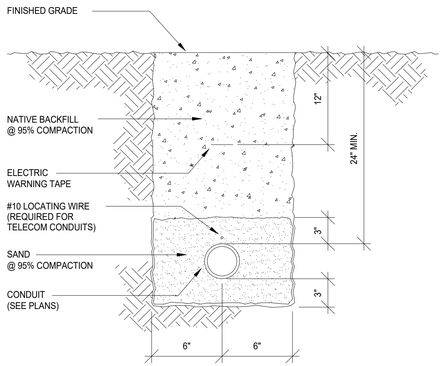
Sheet Title

FIXTURE SCHEDULE AND NARRATIVE

Date: SEPTEMBER 23 2022

Sheet No:

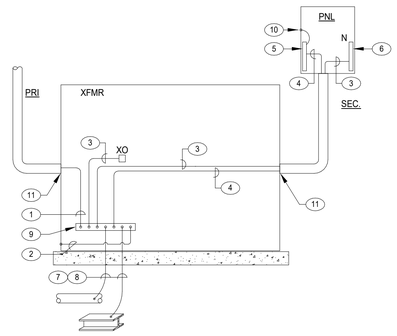
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6 E0.04

TYP 12" TRENCH DETAIL

SCALE: NONE



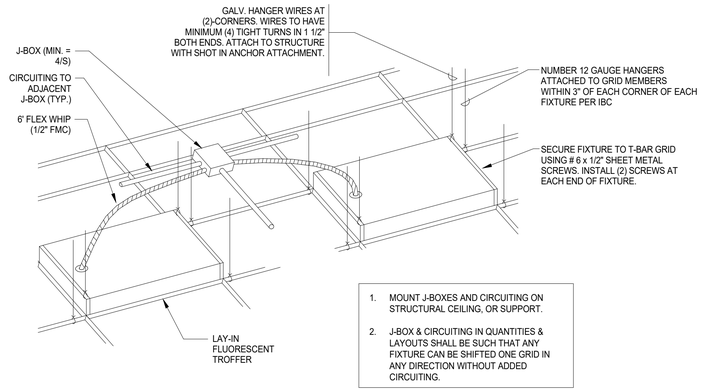
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TRANSFORMER GROUNDING AND BONDING DETAIL

SCALE: NONE

TRANSFORMER GROUNDING AND BONDING NOTES

1	EQUIPMENT GROUNDING CONDUCTOR (PRIMARY) - PER NEC 2017, ARTICLE 250.122 AND 250.66.
2	SYSTEM BONDING JUMPER - PER NEC 2017, ARTICLE 250.28(D)(1).
3	GROUNDED CONDUCTOR (NEUTRAL) - DO NOT BOND THE GROUNDED CONDUCTOR TO THE FIRST SYSTEM DISCONNECTING MEANS IF THE SYSTEM BONDING JUMPER IS INSTALLED IN THE TRANSFORMER ENCLOSURE. SIZE THE SYSTEM BONDING JUMPER PER NEC 2017, ARTICLE 250.28(D)(1).
4	SUPPLY SIDE BONDING JUMPER (SECONDARY) - PER NEC 2017, ARTICLE 250.66, 250.30(A)(2) AND 250.102(C)(1).
5	EQUIPMENT GROUNDING TERMINAL BAR.
6	ISOLATED NEUTRAL TERMINAL BAR.
7	GROUNDING ELECTRODE - PER NEC 2017, ARTICLE 250.30(A)(4).
8	BONDING JUMPERS - PER NEC 2017, ARTICLE 250.66 AND 250.104(D)(1)(2)(3).
9	EQUIPMENT GROUNDING TERMINAL BAR - PER NEC 2017, ARTICLE 250.30(A)(1)(5) CONNECT TO A SINGLE POINT.
10	SUPPLY SIDE BONDING JUMPER (IF REQUIRED - SEE NOTE #3). PER NEC 2017, ARTICLE 250.30(A)(2).
11	BUSHINGS - PER NEC 2017, ARTICLE 300.4(G) AND 250.92.

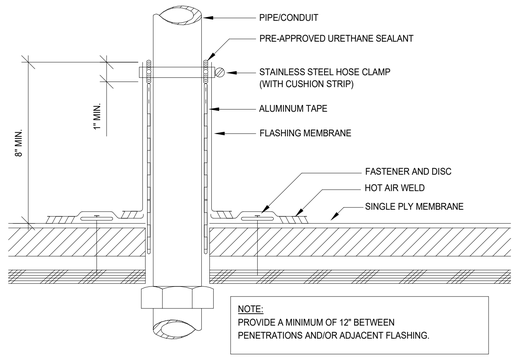


1. MOUNT J-BOXES AND CIRCUITING ON STRUCTURAL CEILING, OR SUPPORT.
2. J-BOX & CIRCUITING IN QUANTITIES & LAYOUTS SHALL BE SUCH THAT ANY FIXTURE CAN BE SHIFTED ONE GRID IN ANY DIRECTION WITHOUT ADDED CIRCUITING.

1 E0.04

FIXTURE MOUNTING DETAIL @ T-BAR CEILING

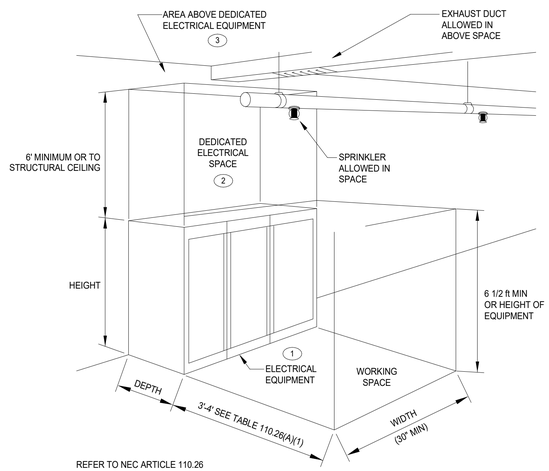
SCALE: NONE



7 E0.04

ROOF PENETRATION DETAIL

SCALE: NONE



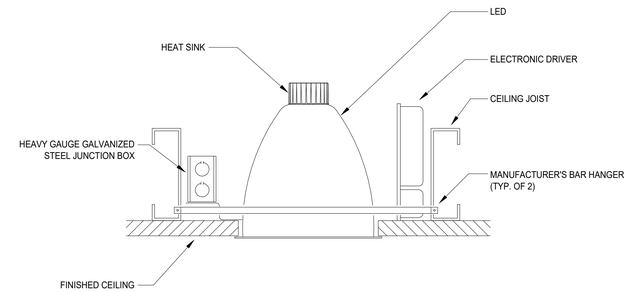
5 E0.04

NEC-ARTICLE 110.26 WORKING SPACE & DEDICATED ELECTRICAL SPACE REQUIREMENTS

SCALE: NONE

DETAIL NOTES

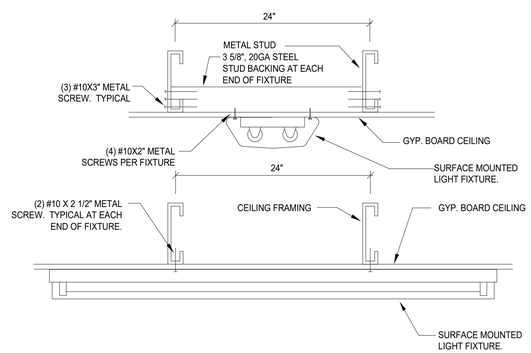
1	ELECTRICAL EQUIPMENT INCLUDES SWITCHGEAR, SWITCHBOARDS, DISTRIBUTION BOARDS, PANEL BOARDS, MOTOR CONTROL CENTER OR SIMILAR EQUIPMENT.
2	NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN THIS ZONE.
3	THE AREA ABOVE THE DEDICATED SPACE REQUIRED BY 110.26(E)(1)(a) SHALL BE PERMITTED TO CONTAIN FOREIGN SYSTEMS, PROVIDED PROTECTION IS INSTALLED TO AVOID DAMAGE TO THE ELECTRICAL EQUIPMENT FROM CONDENSATION, LEAKS, OR BREAKS IN SUCH FOREIGN SYSTEM.



2 E0.04

DOWNLIGHT MOUNTING DETAIL

SCALE: NONE



3 E0.04

SURFACE MOUNTED LIGHT FIXTURE DETAIL

SCALE: NONE

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PLEASE RECYCLE

Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CD

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

DETAILS

Date: SEPTEMBER 23 2022

Sheet No:

E0.04

Panel: L3 — Location: ELECTRICAL H014

Type	Description	Trip	Poles	#	A	B	C	#	Poles	Trip	Description	Type
M	AHU-1	20	3	1	1245			2				
				3		1245		4				
				5			1245	6				
M	AHU-2	20	3	7	3631			8				
				9		3631		10				
				11			3631	12				
M	AHU-3	20	3	13	3631			14				
				15		3631		16				
				17			3631	18				
E	DWH-1	25	3	19	4500			20				
				21		4500		22				
				23			4500	24				
E	DWH-2	25	3	25	5500			26				
				27		5500		28				
				29			5500	30				
E	TERMINAL UNITS 1ST FLR	20	1	31	1200			32				
E	TERMINAL UNITS 1ST FLR	20	1	33		1200		34				
E	TERMINAL UNITS BSMT	20	1	35			1200	36				
E	E	20	1	37	1200			38				
E	E	20	1	39		1200		40				
L	INV-H1	20	1	41			0	42				
				Total Load:	20906 VA	20906 VA	19706 VA					
				Total Amps:	76 A	76 A	71 A					

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44			
E	Equipment		36000 VA	100.00%	36000 VA
M	Motor	NEC 430.24	25519 VA	110.67%	28242 VA
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 61519 VA
Total Demand Load: 64242 VA
480/277 Wye System Current
Connected Amps: 74 A
Demand Amps: 77 A

Copper Bus Size	125	**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: L4 — Location: JANITOR CLOSET A111

Type	Description	Trip	Poles	#	A	B	C	#	Poles	Trip	Description	Type
E	CHILLED BEAM PWR 1ST FL	20	1	1	1200 1000			2				
E	CHILLED BEAM PWR 1ST FL	20	1	3		1200 1000		4	3	20	DWH-3	E
E	CHILLED BEAM PWR 2ND FL	20	1	5			1200 1000	6				
E	CHILLED BEAM PWR 2ND FL	20	1	7	1200 859			8				
M	P-10	15	3	9		800 859		10	3	20	DOAS-1	M
				11			800 859	12				
				13	800 800			14				
M	P-8	15	3	15		800 800		16	3	20	P-9	M
				17			800 800	18				
				19	800 800			20				
				21		800		22	3	20	P-7	M
				23			800	24				
				25				26				
				27				28				
				29				30				
				31				32				
				33				34				
				35				36				
				37				38				
				39				40				
				41				42				
				Total Load:	7459 VA	6259 VA	6259 VA					
				Total Amps:	27 A	23 A	23 A					

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44			
E	Equipment		7800 VA	100.00%	7800 VA
M	Motor	NEC 430.24	12178 VA	105.29%	12823 VA
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 19978 VA
Total Demand Load: 20623 VA
480/277 Wye System Current
Connected Amps: 24 A
Demand Amps: 25 A

Copper Bus Size	250	**Ground**	Standard	**Notes:**
Voltage	480/277 Wye	**Mounting**	Flush	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs	MCB	**Neutral**	100.00%	
Breaker AIC Rating	125	**Feeder OCPD Size**	125	

Load Calculation: Distribution Board (E) MSB H1

Description	Lighting	Receptacle	Equipment	Motor	Kitchen	Heating	Remarks
(E) NVE PEAK DEMAND			150400				
+25% PER NEC			37600				
L3	0		36000	25519			
L4			7800	12178			
ELEV - LINK				27100			
XF T-L1		76360	7850	7492			
Total Connected Loads:		76360 VA	239650 VA	72289 VA			388299 VA

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand
L		NEC 220.42	0 VA	0.00%	0 VA
R		NEC 220.44	76360 VA	56.55%	43180 VA
E			239650 VA	100.00%	239650 VA
M		NEC 430.24	72289 VA	109.37%	79064 VA
K		NEC 220.56	0 VA	0.00%	0 VA
H		NEC 220.51	0 VA	0.00%	0 VA

Load Totals
Total Connected Load: 388299 VA
Total Demand Load: 361894 VA
480/277 Wye System Current
Connected Amps: 467 A
Demand Amps: 435 A

Notes:

Load Calculation: Distribution Board DB-L1

Description	Lighting	Receptacle	Equipment	Motor	Kitchen	Heating	Remarks
HBA		17760	1900	5592			
H1A		16520					
H2A		16920		400			
A1A		10400	2900				
A2A		13320	650	1500			
MDF		1440	2400				
Total Connected Loads:		76360 VA	7850 VA	7492 VA			91702 VA

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand
L		NEC 220.42	0 VA	0.00%	0 VA
R		NEC 220.44	76360 VA	56.55%	43180 VA
E			7850 VA	100.00%	7850 VA
M		NEC 430.24	7492 VA	116.66%	8740 VA
K		NEC 220.56	0 VA	0.00%	0 VA
H		NEC 220.51	0 VA	0.00%	0 VA

Load Totals
Total Connected Load: 91702 VA
Total Demand Load: 59770 VA
120/208 Wye System Current
Connected Amps: 255 A
Demand Amps: 166 A

Notes:

Panel: INV-H1 — Location: ELECTRICAL H014

Type	Description	Trip	Poles	#	A	B	C	#	Poles	Trip	Description	Type
				1				2				
				3				4				
				5				6				
				7				8				
				9				10				
				11				12				
				13				14				
				15				16				
				17				18				
				Total Load:	0 VA	0 VA	0 VA					
				Total Amps:								

Load Classification		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
None System Current
Connected Amps: Not Computed
Demand Amps: Not Computed

Copper Bus Size	30	**Ground**	Standard	**Notes:**
Voltage	None	**Mounting**	Floor	MYERS POWER PRODUCTS 8KW EMERGENCY LIGHTING INVERTER, SEISMIC MOUNTING, MAINTENANCE BYPASS, 20-YEAR WARRANTED BATTERIES.
Phase	Not Computed	**Enclosure**	NEMA 1	
Wire	Not Computed	**# of 1-Pole Circuits**	18	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

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SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

LOAD CALCS AND PANEL SCHEDULES

Date: SEPTEMBER 23 2022

Sheet No:

E0.05

Panel: H1A — Location: MAIN CIRCULATION H102

Type	Description	Trip	Poles	#	A	B	C	#	Poles	Trip	Description	Type
				1				2				
R	R	20	1	3		180		4				
R	R	20	1	5			900	6				
R	R	20	1	7	900			8				
R	R	20	1	9		1260		10				
R	R	20	1	11			720	12				
R	R	20	1	13	720			14				
R	R	20	1	15		900		16				
R	R	20	1	17			900	18				
R	R	20	1	19	900			20				
R	R	20	1	21		900		22				
R	R	20	1	23			900	24				
R	R	20	1	25	900			26				
R	R	20	1	27		900		28				
R	R	20	1	29			1600	30				
R	R	20	1	31	720			32				
R	R	20	1	33		1600		34				
R	R	20	1	35			180	36				
R	R	20	1	37	180			38				
R	R	20	1	39		540		40				
R	R	20	1	41			720	42				
				Total Load:	4320 VA	6280 VA	5920 VA					
				Total Amps:	36 A	54 A	51 A					

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44	16520 VA	80.27%	13260 VA
E	Equipment				
M	Motor	NEC 430.24			
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 16520 VA
Total Demand Load: 13260 VA

120/208 Wye System Current
Connected Amps: 46 A
Demand Amps: 37 A

Copper Bus Size	125	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Flush	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

Panel: A1A — Location: VET. HALL LOBBY A104

Type	Description	Trip	Poles	#	A	B	C	#	Poles	Trip	Description	Type
E	[1]VET HALL RANGE	40	2	1	1350			2				
				3		1350		4				
E	VET HALL AUTO VALVES	20	1	5			200	6				
R	R	20	1	7	720			8				
R	R	20	1	9		360		10				
R	R	20	1	11			360	12				
R	R	20	1	13	900			14				
R	R	20	1	15		1260		16				
R	R	20	1	17			180	18				
R	R	20	1	19	180			20				
R	R	20	1	21		900		22				
R	R	20	1	23			720	24				
R	R	20	1	25	1600			26				
R	R	20	1	27		1600		28				
R	R	20	1	29			900	30				
R	R	20	1	31	720			32				
				33				34				
				35				36				
				37				38				
				39				40				
				41				42				
				Total Load:	5470 VA	5470 VA	2360 VA					
				Total Amps:	50 A	50 A	20 A					

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44	10400 VA	98.08%	10200 VA
E	Equipment		2900 VA	100.00%	2900 VA
M	Motor	NEC 430.24			
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 13300 VA
Total Demand Load: 13100 VA

120/208 Wye System Current
Connected Amps: 37 A
Demand Amps: 36 A

Copper Bus Size	225	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Flush	[1] GFCI CIRCUIT BREAKER
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs	MLO	**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**	225	

Panel: H2A — Location: CORRIDOR H201

Type	Description	Trip	Poles	#	A	B	C	#	Poles	Trip	Description	Type
R	R	20	1	1	720 180			2	1	20	R	R
R	R	20	1	3		720 180		4	1	20	R	R
R	R	20	1	5			1080 400	6	1	20	EF-1	M
R	R	20	1	7	900			8				
R	R	20	1	9		180		10				
R	R	20	1	11			1260	12				
R	R	20	1	13	1260			14				
R	R	20	1	15		900		16				
R	R	20	1	17			1080	18				
R	R	20	1	19	1260			20				
R	R	20	1	21		1080		22				
R	R	20	1	23			900	24				
R	R	20	1	25	900			26				
R	R	20	1	27		720		28				
R		20	1	29			1080	30				
R	R	20	1	31	900			32				
R	R	20	1	33		360		34				
R	R	20	1	35			360	36				
R	R	20	1	37	180			38				
R	R	20	1	39		180		40				
R	R	20	1	41			540	42				
				Total Load:	6300 VA	4320 VA	6700 VA					
				Total Amps:	55 A	36 A	58 A					

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44	16920 VA	79.55%	13460 VA
E	Equipment				
M	Motor	NEC 430.24	400 VA	125.00%	500 VA
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 17320 VA
Total Demand Load: 13960 VA

120/208 Wye System Current
Connected Amps: 48 A
Demand Amps: 39 A

Copper Bus Size	225	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Flush	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs		**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**		

Panel: A2A — Location: HALLWAY A202

Type	Description	Trip	Poles	#	A	B	C	#	Poles	Trip	Description	Type
E	DOAS-1 LTG/RECEPTS	20	1	1	450 180			2	1	20	R	R
M	EF-4, EF-6	20	1	3		800		4				
M	EF-5	20	1	5			700	6				
E	RESTROOM VALVES	20	1	7	200			8				
R	R	20	1	9		180		10				
R	R	20	1	11			1260	12				
R	R	20	1	13	1080			14				
R	R	20	1	15		1080		16				
R	R	20	1	17			540	18				
R	R	20	1	19	1080			20				
R	R	20	1	21		720		22				
R	R	20	1	23			1080	24				
R	R	20	1	25	1080			26				
R	R	20	1	27		720		28				
R	R	20	1	29			1080	30				
R	R	20	1	31	900			32				
R	R	20	1	33		720		34				
R	R	20	1	35			360	36				
R	R	20	1	37	360			38				
R	R	20	1	39		360		40				
R	R	20	1	41			540	42				
				Total Load:	5330 VA	4580 VA	5560 VA					
				Total Amps:	45 A	38 A	47 A					

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand
L	Lighting	NEC 220.42			
R	Receptacle	NEC 220.44	13320 VA	87.54%	11660 VA
E	Equipment		650 VA	100.00%	650 VA
M	Motor	NEC 430.24	1500 VA	111.67%	1675 VA
K	Kitchen	NEC 220.56			
H	Heating	NEC 220.51			

Load Totals
Total Connected Load: 15470 VA
Total Demand Load: 13985 VA

120/208 Wye System Current
Connected Amps: 43 A
Demand Amps: 39 A

Copper Bus Size	225	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Flush	
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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SPWD Building Number (Heroes): 0244
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SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

PANEL SCHEDULES

Date: SEPTEMBER 23 2022

Sheet No:

E0.06

Panel: **HBA** Location: **ELECTRICAL H014**

Type	Description	Trip	Poles	#	A		B		C		#	Poles	Trip	Description	Type
R	M	20	1	1	180	900					2	1	20	R	R
E	M	20	1	3			1800	360			4	1	20	R	R
M	M	20	1	5					600	540	6	1	20	ELEV LOBBY B-1-2	R
R	R	20	1	7	1600	2496					8	2	30	MDF SPLIT SYSTEM ACO/ACI	M
R	CONF H011	20	1	9			720	2496			10				
R; E	CONF H011	20	1	11					1000		12				
R	[1] EWC-1	20	1	13	180						14				
R	R	20	1	15			1600				16				
R	R	20	1	17					900		18				
R	R	20	1	19	1600						20				
R	R	20	1	21			360				22				
R	R	20	1	23					180		24				
R	R	20	1	25	180						26				
R	OFFICE H011	20	1	27			900				28				
R	OFFICE H010	20	1	29					900		30				
R	OFFICE H009	20	1	31	900						32				
R	STORAGE/QUIET RM	20	1	33			900				34				
R	CONF H021	20	1	35					1260		36				
R	R	20	1	37	900						38				
R	R	20	1	39			900				40				
R	R	20	1	41					900		42				
				Total Load:	8936 VA		10036 VA		6280 VA						
				Total Amps:	78 A		87 A		52 A						

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand	Load Totals
L	Lighting	NEC 220.42				**Total Connected Load:** 25252 VA
R	Receptacle	NEC 220.44	17760 VA	78.15%	13880 VA	**Total Demand Load:** 22620 VA
E	Equipment		1900 VA	100.00%	1900 VA	
M	Motor	NEC 430.24	5592 VA	122.32%	6840 VA	**120/208 Wye System Current**
K	Kitchen	NEC 220.56				**Connected Amps:** 70 A
H	Heating	NEC 220.51				**Demand Amps:** **63 A**

Copper Bus Size	225	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	EXISTING PANELBOARD - REMOVE EXISTING ARC FLASH LABEL AND NAMEPLATE. REPLACE WITH NEW PER SPECIFICATIONS. CLEAN INTERIOR AND EXTERIOR. [1] PROVIDE 5mA GFCI CIRCUIT BREAKER
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	42	
Lugs	MLO	**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**	225	

Panel: **MDF** Location: **MDF H015**

Type	Description	Trip	Poles	#	A		B		C		#	Poles	Trip	Description	Type
E	EMERG. RESP SYSTEM	20	1	1	1200						2				
E	ACCESS CONTROL	20	1	3			1200				4				
R	RACK 1 RECEPT	20	1	5					180		6				
R	RACK 2 RECEPT	20	1	7	180						8				
R	MDF RM RECEPTS	20	1	9			540				10				
R	MDF RM RECEPTS	20	1	11					540		12				
				13							14				
				15							16				
				17							18				
				19							20				
				21							22				
				23							24				
				Total Load:	1380 VA		1740 VA		720 VA						
				Total Amps:	12 A		15 A		6 A						

Load Classification		NEC Reference	Connected Load	Demand Factor	Est. Demand	Load Totals
L	Lighting	NEC 220.42				**Total Connected Load:** 3840 VA
R	Receptacle	NEC 220.44	1440 VA	100.00%	1440 VA	**Total Demand Load:** 3840 VA
E	Equipment		2400 VA	100.00%	2400 VA	
M	Motor	NEC 430.24				**120/208 Wye System Current**
K	Kitchen	NEC 220.56				**Connected Amps:** 11 A
H	Heating	NEC 220.51				**Demand Amps:** **11 A**

Copper Bus Size	125	**Ground**	Standard	**Notes:**
Voltage	120/208 Wye	**Mounting**	Surface	
Phase	3	**Enclosure**	NEMA 1	
Wire	4	**# of 1-Pole Circuits**	24	
Lugs	MLO	**Neutral**	100.00%	
Breaker AIC Rating		**Feeder OCPD Size**	100	

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

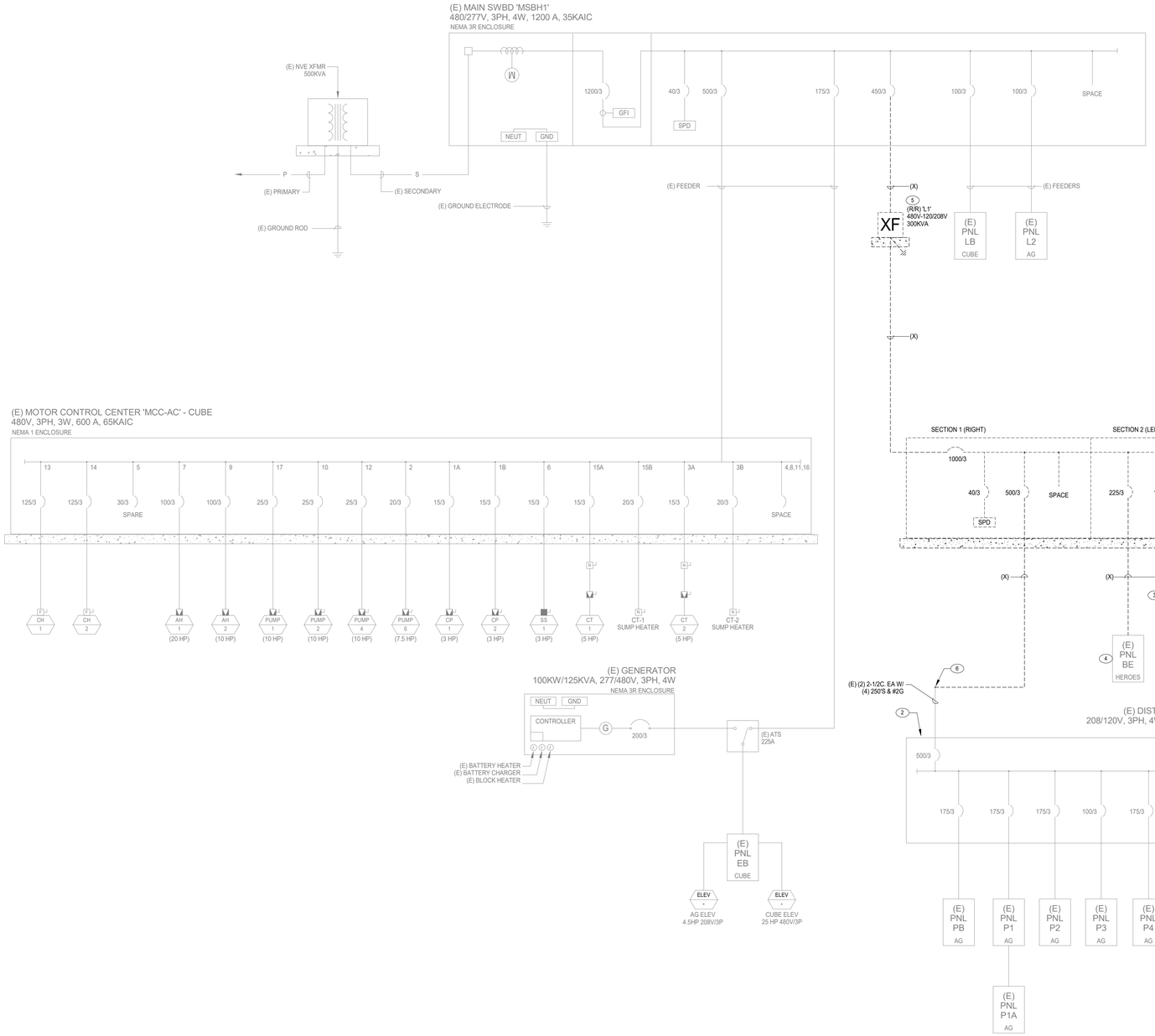
Sheet Title

PANEL SCHEDULES

Date: SEPTEMBER 23 2022

Sheet No:

E0.07



GENERAL NOTES

1. (E) AND/OR FADED LINES INDICATE EXISTING EQUIPMENT, (X) AND/OR HEAVY DASHED LINES INDICATE EQUIPMENT TO BE DEMOLISHED UNLESS NOTED OTHERWISE, (R/R) AND DASHED LINES INDICATES EQUIPMENT TO BE REMOVED AND REINSTALLED.
2. ALL CONDUCTOR SIZES ARE BASED ON COPPER. ALUMINUM IS NOT PERMITTED.
3. DO NOT SPLICE FEEDER CONDUCTORS UNLESS OTHERWISE NOTED OR PRIOR APPROVAL HAS BEEN OBTAINED FROM THE ENGINEER.
4. FIELD CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION FOR REVIEW.
5. ALL NEW AND RE-INSTALLED EQUIPMENT IS SUBJECT TO THE TESTING REQUIREMENTS IN THE SPECIFICATIONS.

SHEET NOTES

1. EXISTING ELECTRICAL EQUIPMENT TO BE TEMPORARILY REMOVED FOR STRUCTURAL MODIFICATIONS. PROTECT AND STORE DURING CONSTRUCTION. SEE ALL ALL OTHER PROJECT DOCUMENTS FOR EXTENT AND SCOPE OF RE-WORKED AREAS.
2. EXISTING 'PANEL DP-1' TO BE PROVIDED WITH TEMPORARY POWER, SEE TEMPORARY POWER REQUIREMENTS NARRATIVE.
3. EXISTING SPLICE CABINET, REMOVE FEEDERS AND ENCLOSURE COMPLETE.
4. SEE NEW WORK ONELINE DIAGRAM AND PANEL SCHEDULE FOR MODIFICATIONS TO PANELBOARD.
5. DISCONNECT AND RELOCATE TRANSFORMER TO NEW LOCATION AS SHOWN ON OVERALL PLAN. PROTECT DURING CONSTRUCTION. SEE NEW WORK ONELINE DIAGRAM.
6. INTERCEPT AND SPLICE CONDUCTORS. PROVIDE IN-GROUND PULLBOX AND EXTENSIONS AS REQUIRED ON EXISTING CONDUIT. PROVIDE COMPRESSION BUTT-SPLICE WITH COLD SHRINK TUBING.

TEMPORARY POWER REQUIREMENTS

DISTRIBUTION BOARD 'DP-1' (LOCATED IN EXISTING CUBE BUILDING)
- BOARD TO BE DISCONNECTED FROM DB-L1 FOR REMODEL OF BASEMENT ELECTRICAL ROOM.
- RELOCATE XF-T1 CLEAR OF CONSTRUCTION ACTIVITIES IN AREA AND PROVIDE TEMPORARY PRIMARY FEEDER FROM MSB-H1 AND SECONDARY FEEDER FROM XF-T1 TO DP-1. INTERCEPT EXISTING CONDUIT IN COURTYARD.
- COORDINATE OUTAGES WITH OWNER 72-HOURS IN ADVANCE.
- UPON COMPLETION OF STRUCTURAL AND SITE WORK, INSTALL XF T-1 AS SHOWN AND ASSOCIATED DISCONNECTS PER NEW WORK ONELINE DIAGRAM.

1 E0.08 DEMOLITION ONELINE DIAGRAM
Scale: 1 : 115

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Owner
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SPWD Project No. 21-P02

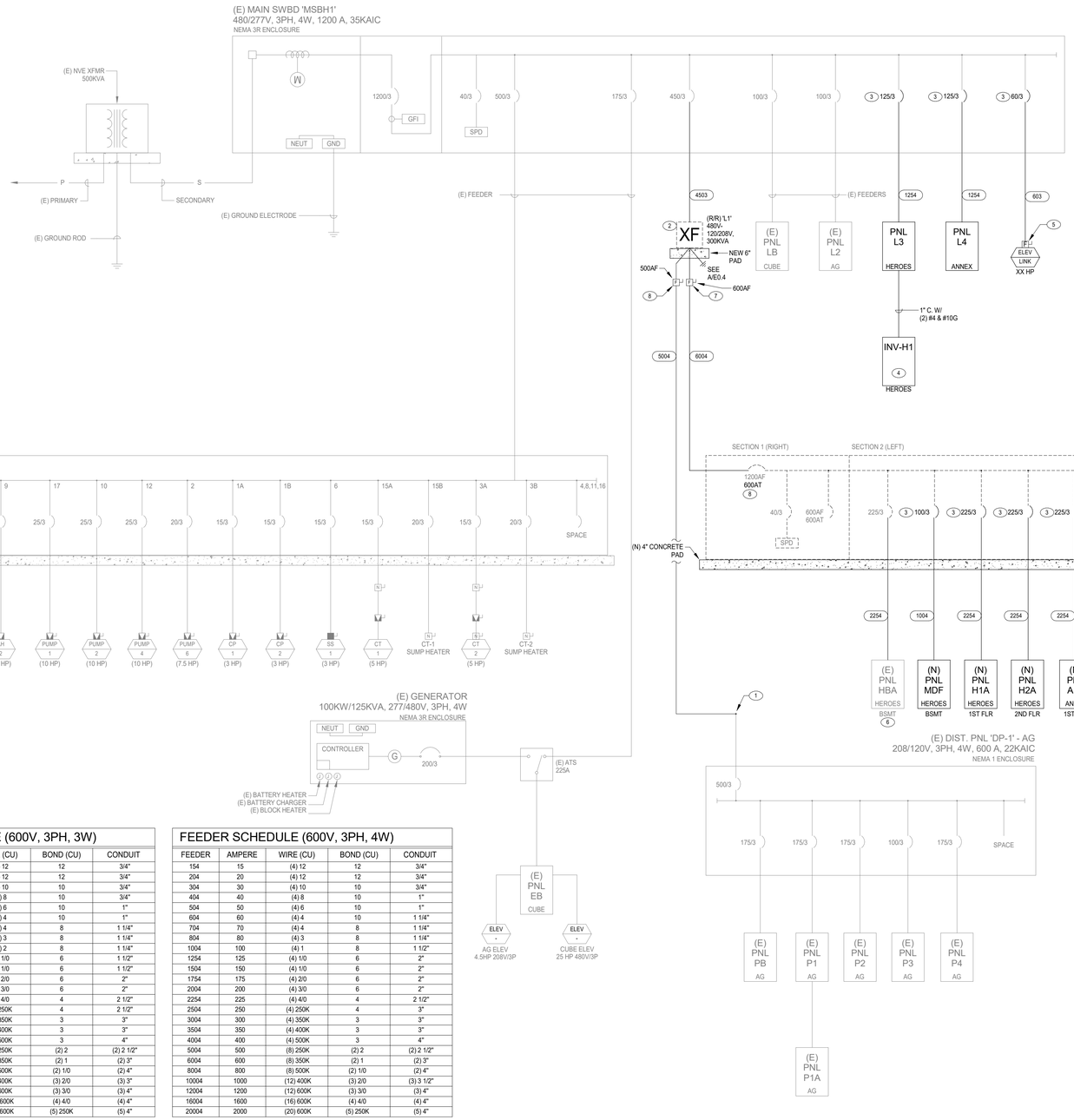
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REV	DATE	DESCRIPTION

Sheet Title
DEMOLITION ONELINE DIAGRAM

Date: SEPTEMBER 23 2022
Sheet No:

E0.08



GENERAL NOTES

1. (E) AND/OR FADED LINES INDICATE EXISTING EQUIPMENT, (N) AND/OR DARK SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
2. ALL CONDUCTOR SIZES ARE BASED ON COPPER. ALUMINUM IS NOT PERMITTED.
3. DO NOT SPLICE FEEDER CONDUCTORS UNLESS OTHERWISE NOTED OR PRIOR APPROVAL HAS BEEN OBTAINED FROM THE ENGINEER.
4. FIELD CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION FOR REVIEW.
5. ALL NEW AND RE-INSTALLED EQUIPMENT IS SUBJECT TO THE TESTING REQUIREMENTS IN THE SPECIFICATIONS.
6. ALL NEW EQUIPMENT SHALL BE BY 'EATON' TO MATCH EXISTING DISTRIBUTION SYSTEM THROUGHOUT EXISTING FACILITY.

SHEET NOTES

1. INTERCEPT AND RE-ROUTE FEEDER TO NEW DISCONNECT SWITCH AS REQUIRED. PROVIDE COMPRESSION BUTT-SPLICE WITH COLD SHRINK TUBING IN NEW IN-GROUND PULLBOX.
2. RELOCATED TRANSFORMER, PROVIDE NEW 6" CONCRETE PAD AND LABELING ON TRANSFORMER INDICATING PRIMARY SIDE DISCONNECTING MEANS LOCATION.
3. PROVIDE NEW BREAKER, MATCH TYPE AND AIC RATING OF EXISTING EQUIPMENT. PROVIDE ADDITIONAL MOUNTING HARDWARE AS REQUIRED.
4. MYERS POWER PRODUCTS CENTRAL LIGHTING INVERTER, SEE SCHEDULE.
5. ELEVATOR POWER MODULE WITH SHUNT TRIP CAPABILITY. BUSSMAN #PS6-TBD OR EQUAL. CONFIRM WITH ELEVATOR CONTRACTOR EXACT HP SIZE AND REQUIREMENTS PRIOR TO ORDERING AND INSTALLATION. PROVIDE ALL ACCESSORIES AS REQUIRED FOR FIRE ALARM INTEGRATION, MONITORING OF SHUNT TRIP POWER, AND REMOTE SHUNT TRIP OPERATION.
6. REMOVE EXISTING ARC FLASH AND PANEL LABELING. PROVIDE NEW IN ACCORDANCE WITH SPECIFICATIONS. PROVIDE NEW UPDATED PANEL SCHEDULE PER PLANS.
7. 600A NEMA 3R 240V HEAVY DUTY FUSED DISCONNECT SWITCH. FUSES AS INDICATED.
8. MODIFY ADJUSTABLE CONTINUOUS TRIP RATING ON BREAKER TO '600A'. EXISTING BREAKER TYPE 'EATON NGS' 1200A FRAME & 310+ TRIP UNIT.

FEEDER SCHEDULE (600V, 3PH, 3W)

FEEDER	AMPERE	WIRE (CU)	BOND (CU)	CONDUIT
153	15	(3) 12	12	3/4"
203	20	(3) 12	12	3/4"
303	30	(3) 10	10	3/4"
403	40	(3) 8	10	3/4"
503	50	(3) 6	10	1"
603	60	(3) 4	10	1"
703	70	(3) 4	8	1 1/4"
803	80	(3) 3	8	1 1/4"
1003	100	(3) 2	8	1 1/4"
1253	125	(3) 1/0	6	1 1/2"
1503	150	(3) 1/0	6	1 1/2"
1753	175	(3) 2/0	6	2"
2003	200	(3) 3/0	6	2"
2253	225	(3) 4/0	4	2 1/2"
2503	250	(3) 250K	4	2 1/2"
3003	300	(3) 350K	3	3"
3503	350	(3) 400K	3	3"
4003	400	(3) 500K	3	4"
5003	500	(6) 250K	(2) 2	(2) 2 1/2"
6003	600	(6) 350K	(2) 1	(2) 3"
8003	800	(6) 500K	(2) 1/0	(2) 4"
10003	1000	(9) 400K	(3) 2/0	(3) 3"
12003	1200	(9) 600K	(3) 3/0	(3) 4"
16003	1600	(12) 600K	(4) 4/0	(4) 4"
20003	2000	(15) 600K	(5) 250K	(5) 4"

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) 1/0	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	3"
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 1/2"
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"

1 E0.09 NEW ONELINE DIAGRAM

Scale: 1 : 115

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REV	DATE	DESCRIPTION

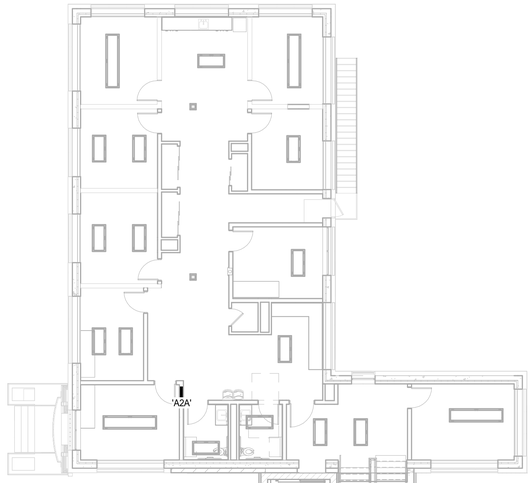
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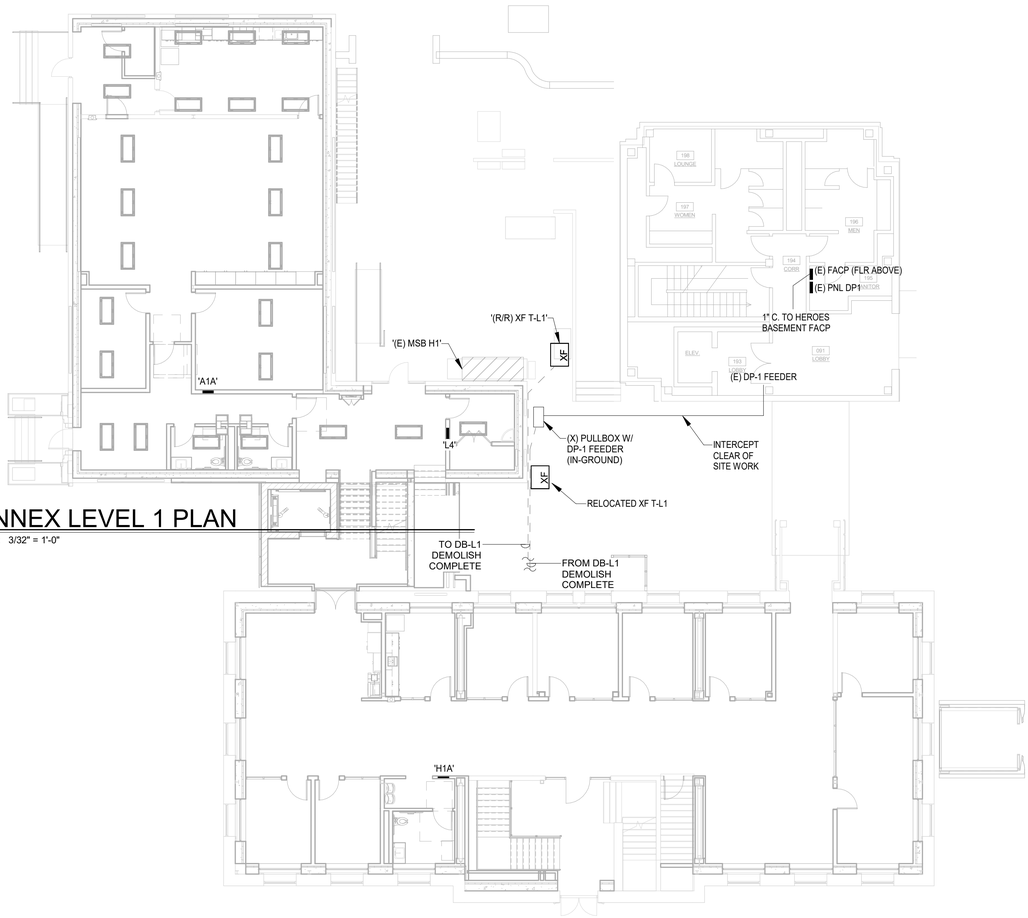
Date: SEPTEMBER 23 2022

Sheet No:

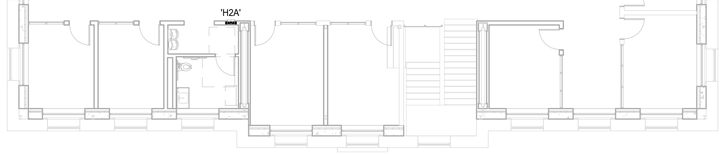
E0.09



5 E1.01 ANNEX LEVEL 2 PLAN
Scale: 3/32" = 1'-0"

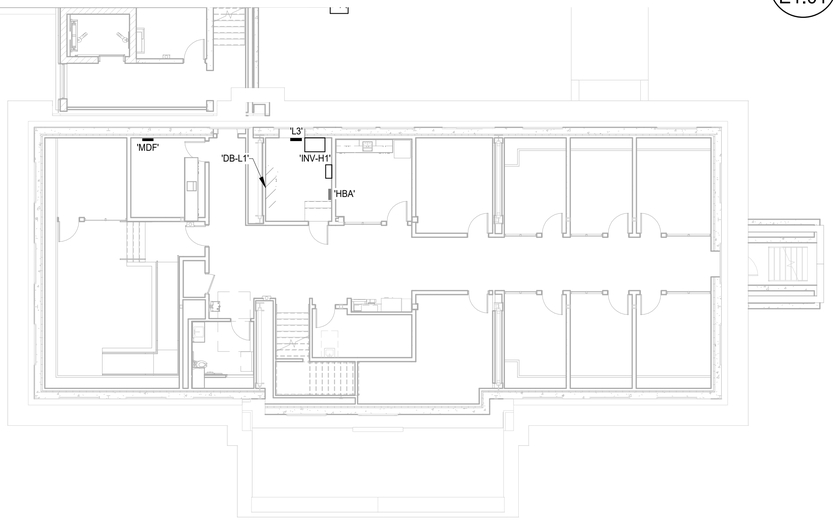


3 E1.01 ANNEX LEVEL 1 PLAN
Scale: 3/32" = 1'-0"



6 E1.01 HEROES LEVEL 2 PLAN
Scale: 3/32" = 1'-0"

4 E1.01 HEROES LEVEL 1 PLAN
Scale: 3/32" = 1'-0"



1 E1.01 HEROES BASEMENT PLAN
Scale: 3/32" = 1'-0"

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Sheet Title

OVERALL ELECTRICAL PLANS

Date: SEPTEMBER 23 2022

Sheet No:

E1.01

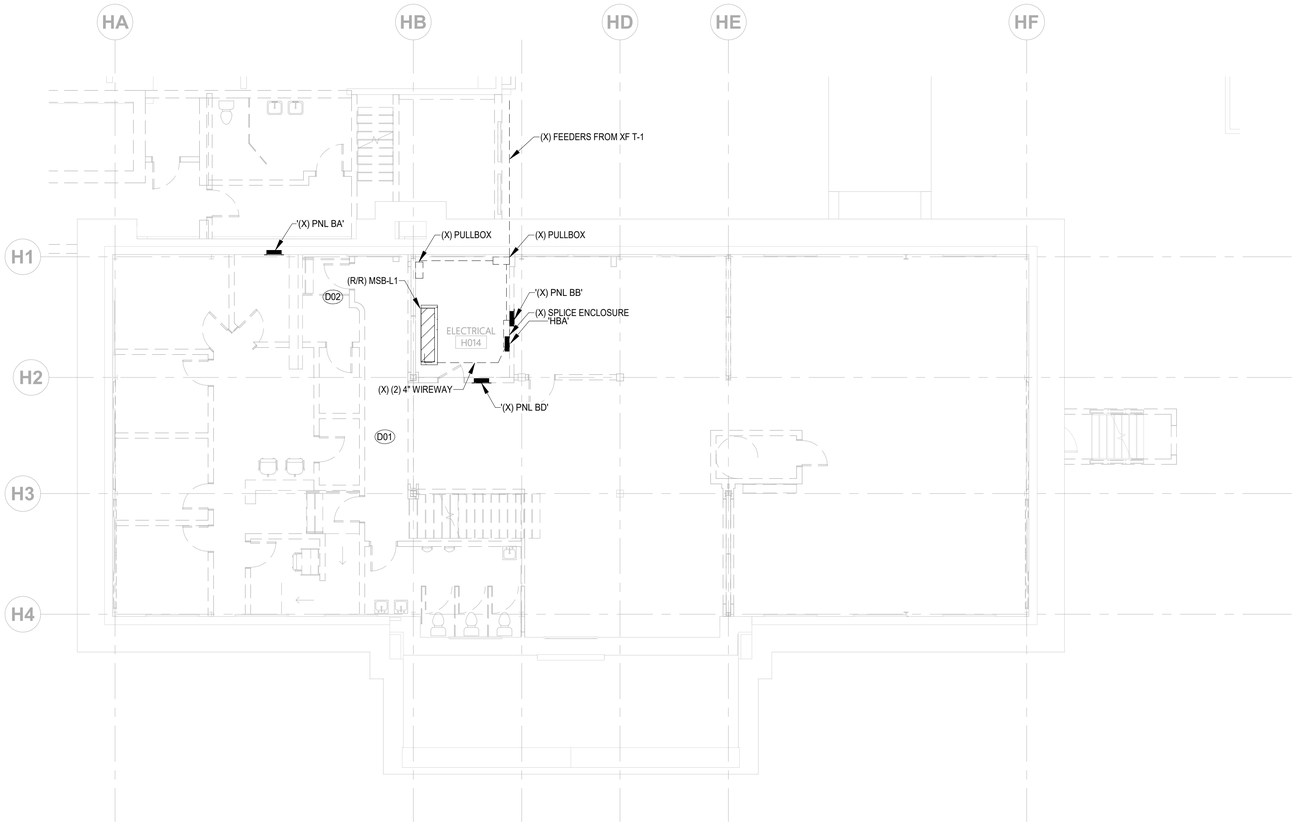
GENERAL NOTES

1. THIS DRAWING REPRESENTS THE EXISTING LIGHTING, POWER AND COMMUNICATIONS SYSTEMS WITHIN THE EXISTING BUILDING (AREA TO BE REMODELED). THE CONTRACTOR IS RESPONSIBLE FOR REMOVING, RELOCATING AND REWIRING ALL EQUIPMENT AS INDICATED ON THE DRAWINGS, INCLUDING EQUIPMENT THAT LIES WITHIN WALLS AND CEILINGS TO BE DEMOLISHED OR REMODELED."
2. (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.
3. SALVAGEABLE ITEMS REMOVED DURING DEMOLITION SHALL BE OFFERED TO OWNER PRIOR TO DISPOSAL OR REMOVAL FROM SITE.
4. EXISTING CIRCUITS AS INDICATED ARE BASED ON CASUAL FIELD OBSERVATION AND INFORMATION PER RECORD DRAWINGS AND SHALL BE FIELD VERIFIED BY ELECTRICAL CONTRACTOR PRIOR TO START OF DEMOLITION WORK.
5. THE CONTRACTOR MAY SALVAGE AND REUSE EXISTING BOXES AND CONDUIT WHERE POSSIBLE. DAMAGED CONDUIT, FITTINGS BOXES, ETC. MAY NOT BE RE-USED. NEW CIRCUITING AS INDICATED ON THE DRAWINGS IS SHOWN FOR INTENT ONLY AND MAY VARY BASED ON ACTUAL FIELD CONDITIONS (NEW CIRCUITING SHALL MATCH EXISTING WHERE POSSIBLE TO UTILIZE EXISTING HOME-RUN CONDUITS, ETC.). KEEP AS-BUILT DRAWINGS CURRENT WITH ANY DEVIATION IN CIRCUITING FROM WHAT IS INDICATED WITHIN THESE PLANS.
6. THE CONTRACTOR SHALL REMOVE FROM THE JOB SITE ALL DISCARDED AND ABANDONED MATERIALS LEFT OVER FROM DEMOLITION AND INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONDUIT, FASTENERS AND BOXES. MATERIALS EMBEDDED IN GRADE AND / OR CONCRETE MAY BE ABANDONED IN PLACE. ALL ABANDONED CONDUIT SHALL BE CAPPED.

(###) SHEET NOTES

D01 CONTRACTOR TO DEMOLISH ALL ELECTRICAL DEVICES, WIRING, CONDUIT, BOXES, FIXURES COMPLETE TO SOURCE.

D02 EXISTING 1000A/208V SWITCHBOARD TO BE DISCONNECTED AND REMOVED FOR STRUCTURAL MODIFICATIONS. PROTECT AND KEEP EQUIPMENT CLEAN DURING WORK. SEE ONELINE DIAGRAMS AND NEW WORK PLANS.



1 / E2.10 HEROES BASEMENT ELECTRICAL DEMOLITION PLAN

Scale: 1/8" = 1'-0"

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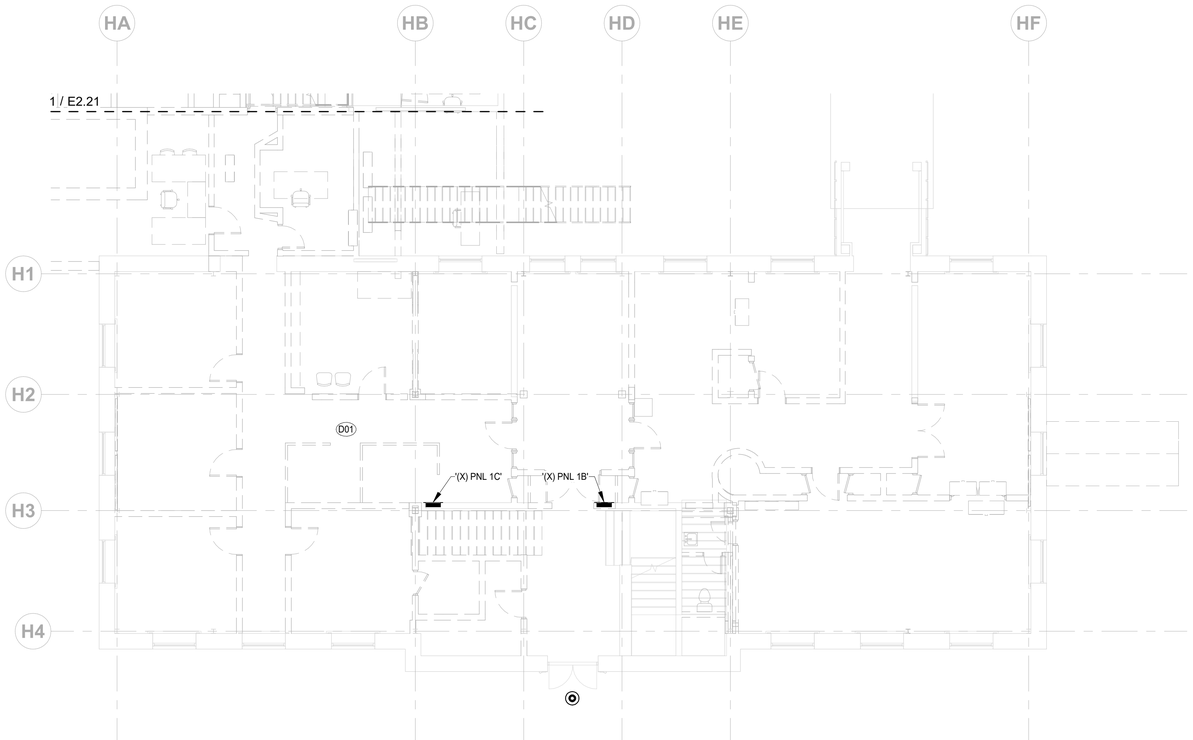
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HEROES BASEMENT ELECTRICAL DEMOLITION PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E2.10



1 E2.11 HEROES LEVEL 1 ELECTRICAL DEMOLITION PLAN

Scale: 1/8" = 1'-0"

GENERAL NOTES

1. THIS DRAWING REPRESENTS THE EXISTING LIGHTING, POWER AND COMMUNICATIONS SYSTEMS WITHIN THE EXISTING BUILDING (AREA TO BE REMODELED). THE CONTRACTOR IS RESPONSIBLE FOR REMOVING, RELOCATING AND REWIRING ALL EQUIPMENT AS INDICATED ON THE DRAWINGS, INCLUDING EQUIPMENT THAT LIES WITHIN WALLS AND CEILINGS TO BE DEMOLISHED OR REMODELED."
2. (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.
3. SALVAGEABLE ITEMS REMOVED DURING DEMOLITION SHALL BE OFFERED TO OWNER PRIOR TO DISPOSAL OR REMOVAL FROM SITE.
4. EXISTING CIRCUITS AS INDICATED ARE BASED ON CASUAL FIELD OBSERVATION AND INFORMATION PER RECORD DRAWINGS AND SHALL BE FIELD VERIFIED BY ELECTRICAL CONTRACTOR PRIOR TO START OF DEMOLITION WORK.
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6. THE CONTRACTOR SHALL REMOVE FROM THE JOB SITE ALL DISCARDED AND ABANDONED MATERIALS LEFT OVER FROM DEMOLITION AND INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONDUIT, FASTENERS AND BOXES. MATERIALS EMBEDDED IN GRADE AND / OR CONCRETE MAY BE ABANDONED IN PLACE. ALL ABANDONED CONDUIT SHALL BE CAPPED.

(###) SHEET NOTES

D01 CONTRACTOR TO DEMOLISH ALL ELECTRICAL DEVICES, WIRING, CONDUIT, BOXES, FIXURES COMPLETE TO SOURCE.

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

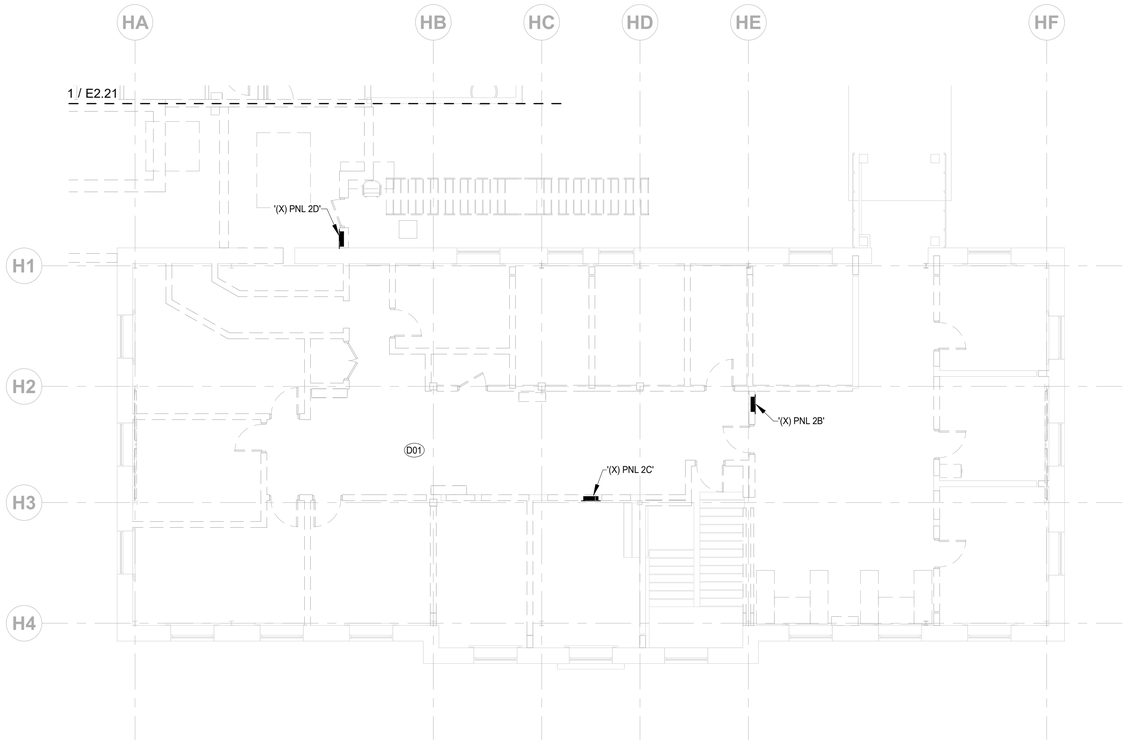
Sheet Title

HEROES LEVEL 1 ELECTRICAL DEMOLITION PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E2.11



1 / E2.12 HEROES LEVEL 2 ELECTRICAL DEMOLITION PLAN

Scale: 1/8" = 1'-0"

GENERAL NOTES

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REV	DATE	DESCRIPTION

Sheet Title

HEROES LEVEL 2 ELECTRICAL DEMOLITION PLAN

Date: SEPTEMBER 23 2022

Sheet No:

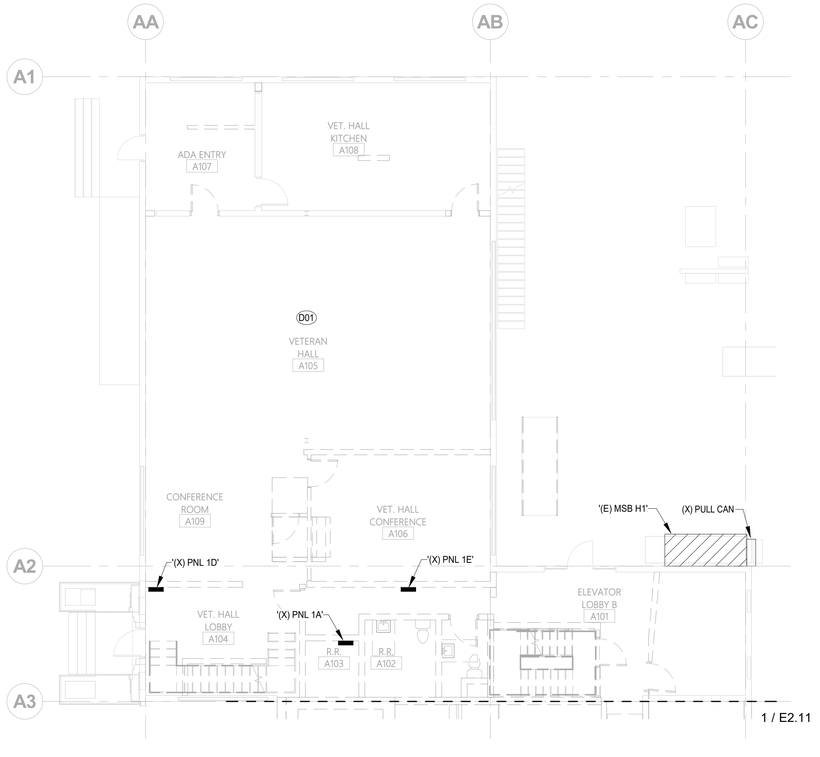
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1 / E2.21 ANNEX LEVEL 1 ELECTRICAL DEMOLITION PLAN

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Sheet Title

ANNEX LEVEL 1 ELECTRICAL DEMOLITION PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E2.21

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1 / E2.22 ANNEX LEVEL 2 ELECTRICAL DEMOLITION PLAN

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198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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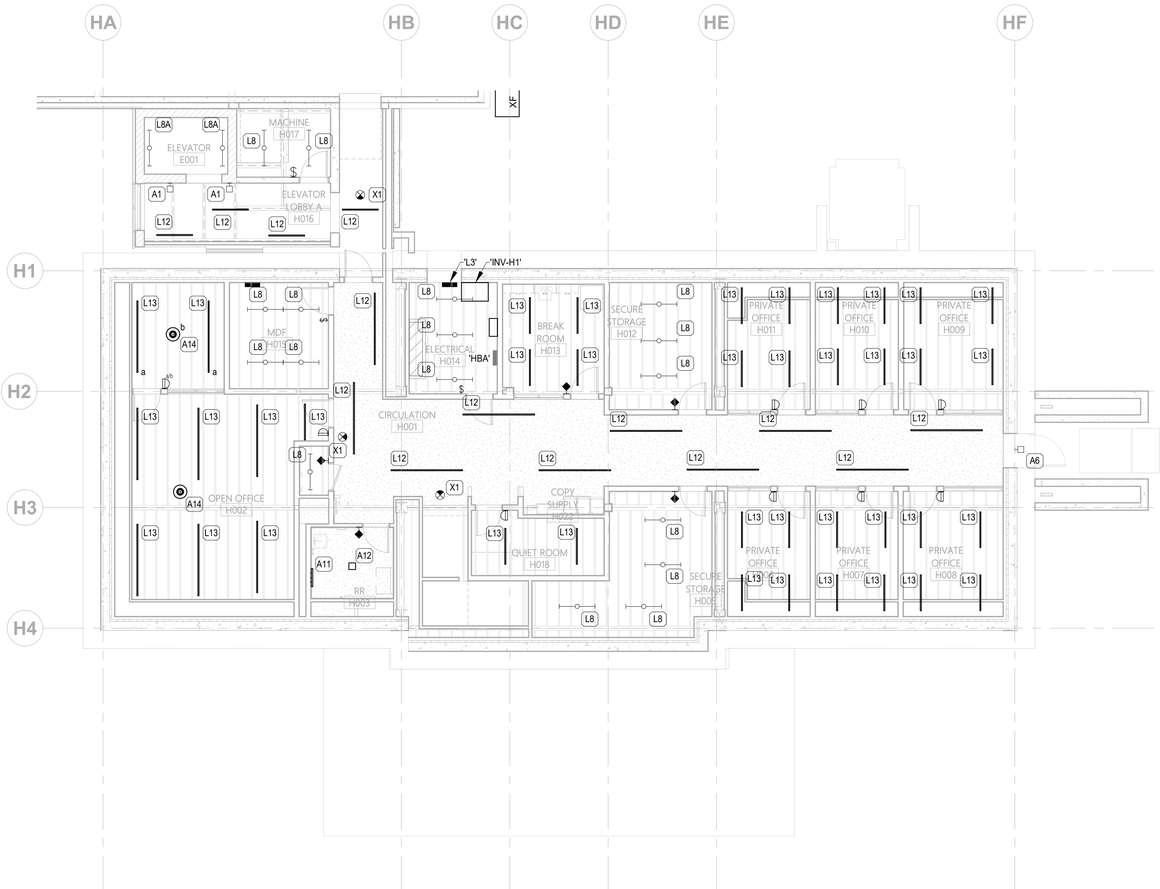
Sheet Title

ANNEX LEVEL 2 ELECTRICAL DEMOLITION PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E2.22



1 E3.10 HEROES BASEMENT LIGHTING PLAN

Scale: 1/8" = 1'-0"

GENERAL NOTES

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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 ONLT, 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.

(###) SHEET NOTES

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SPWD Building Number (Heroes): 0244
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REV	DATE	DESCRIPTION

Sheet Title

HEROES BASEMENT LIGHTING PLAN

Date: SEPTEMBER 23 2022

Sheet No:

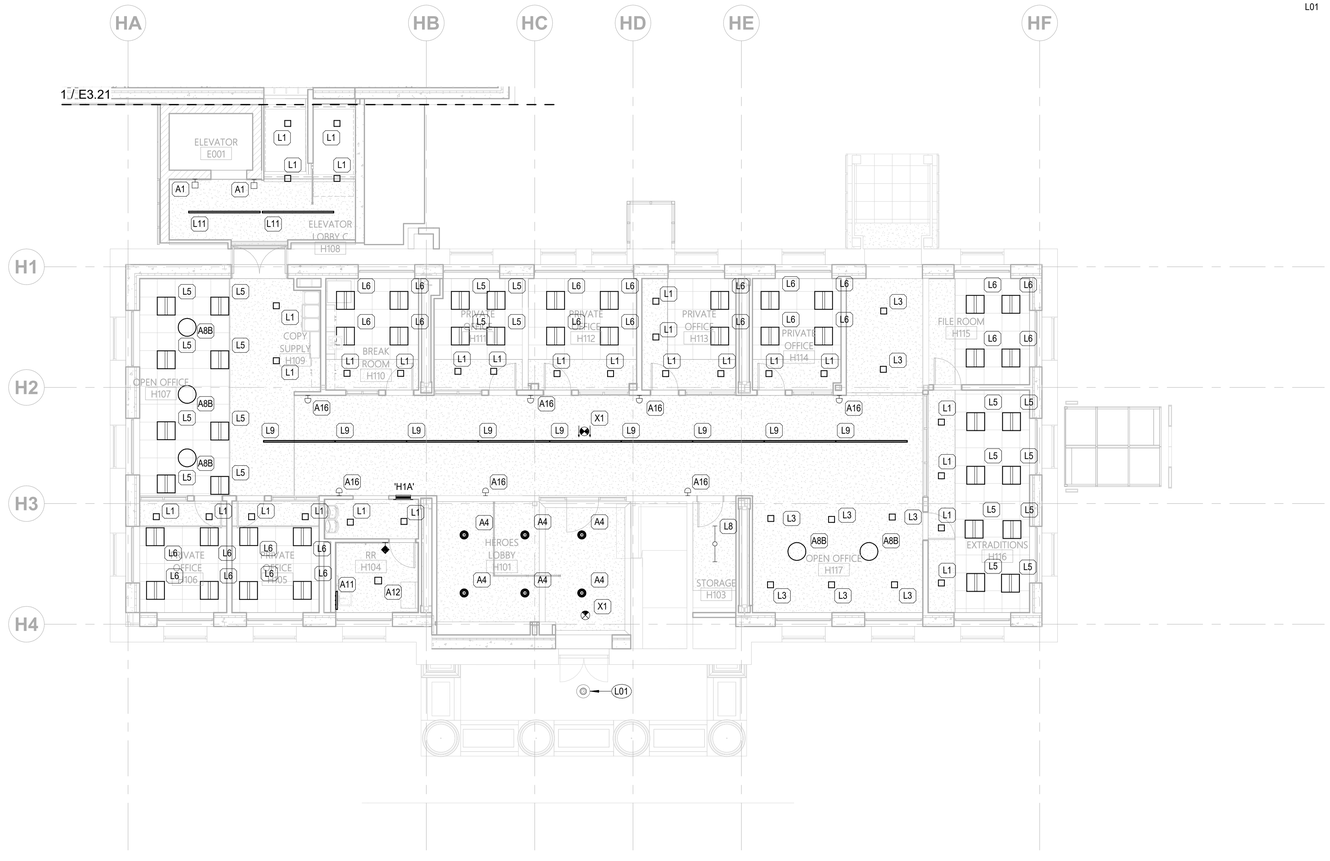
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1 / E3.11 HEROES LEVEL 1 LIGHTING PLAN
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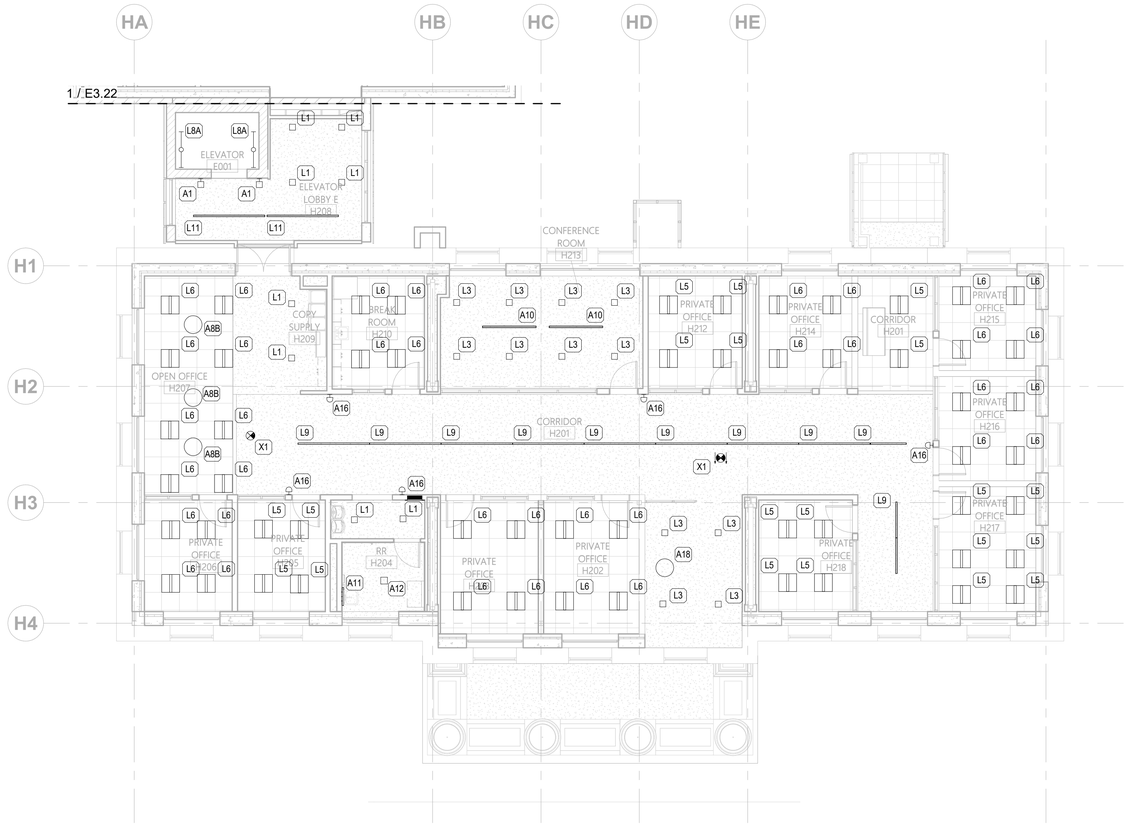
Sheet Title

HEROES LEVEL 1 LIGHTING PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E3.11



1 E3.12 HEROES LEVEL 2 LIGHTING PLAN

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SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

HEROES LEVEL 2 LIGHTING PLAN

Date: SEPTEMBER 23 2022

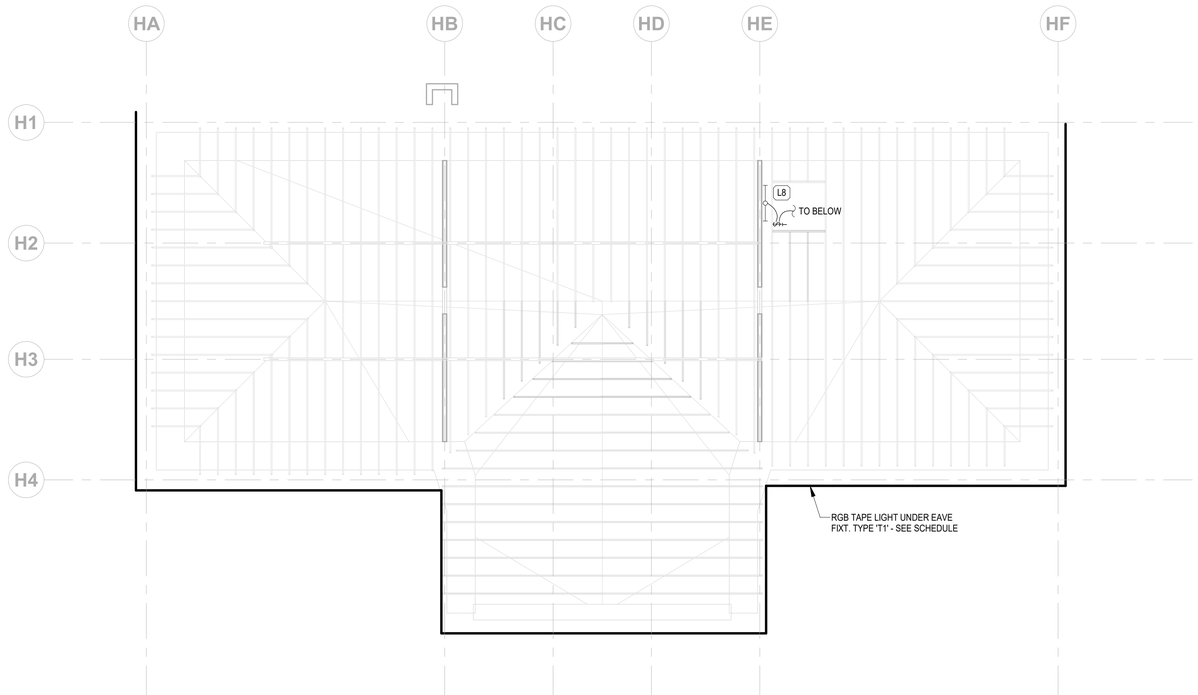
Sheet No:

E3.12

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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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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.
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6. EXACT LOCATION AND MOUNTING HEIGHT OF EXTERIOR BUILDING-MOUNTED FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.
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(###) SHEET NOTES



1 / E3.13 HEROES ATTIC LIGHTING PLAN
Scale: 1/8" = 1'-0"

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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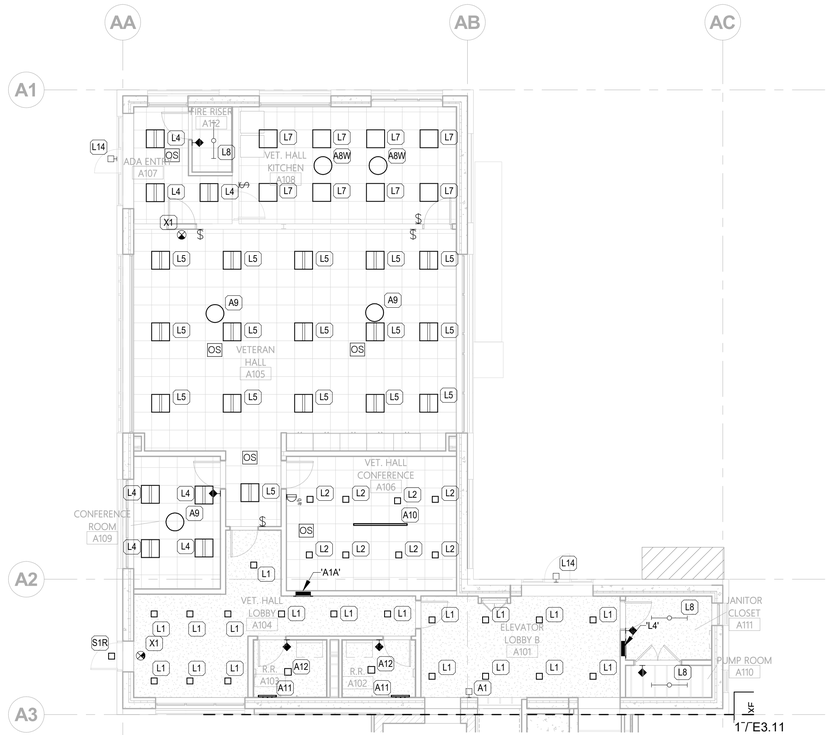
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1 E3.21 ANNEX LEVEL 1 LIGHTING PLAN

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Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
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ANNEX LEVEL 1 LIGHTING PLAN

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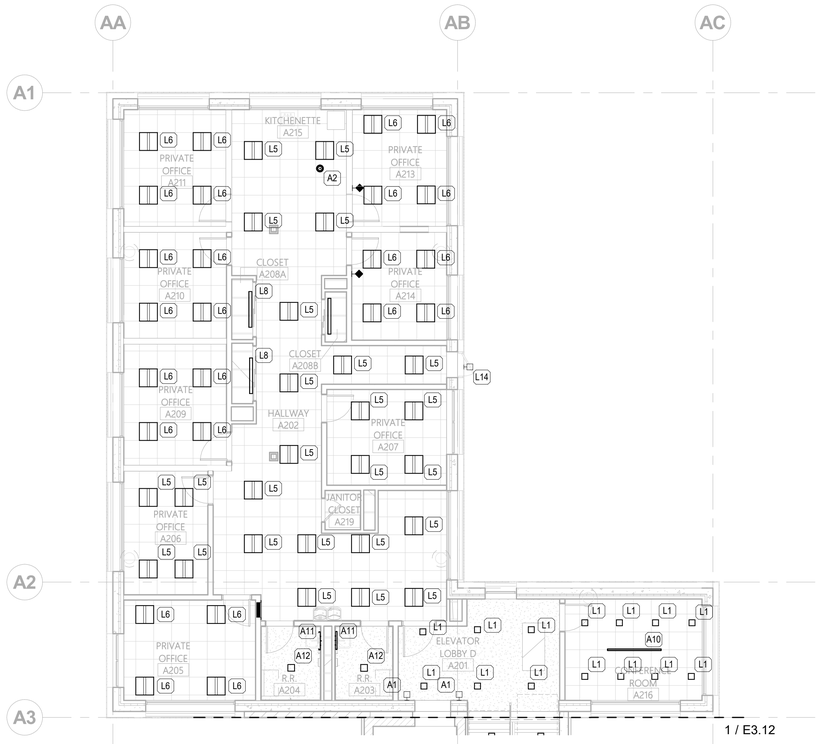
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(###) SHEET NOTES



1 E3.22 ANNEX LEVEL 2 LIGHTING PLAN

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198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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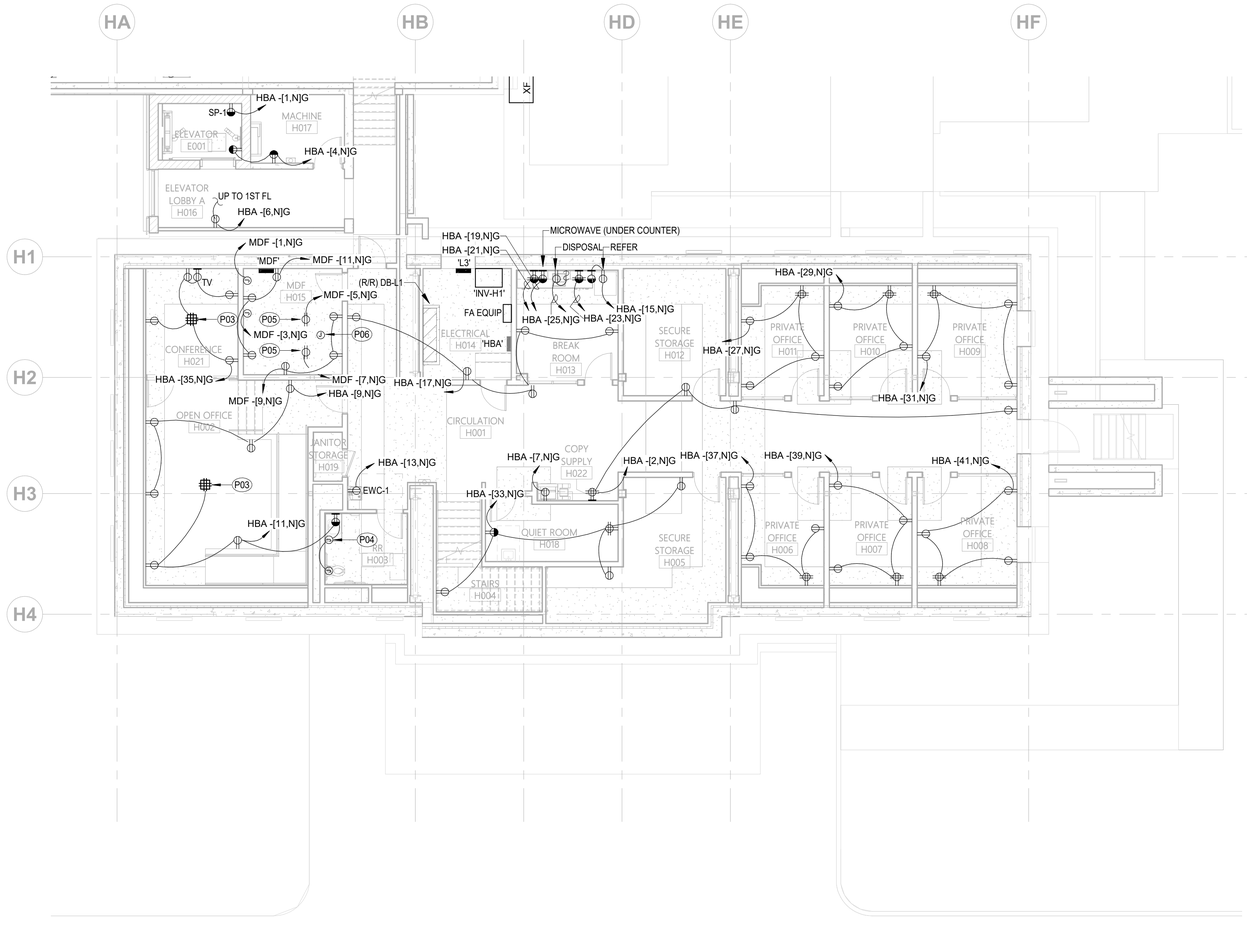
Sheet Title

ANNEX LEVEL 2 LIGHTING PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E3.22



1 / E4.10 HEROES BASEMENT POWER PLAN

Scale: 1/8" = 1'-0"

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(###) SHEET NOTES

P03 FLOOR BOX, SEE TELECOM DRAWINGS FOR SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.

P04 POWERED AUTOMATIC VALVE JUNCTION BOX FLUSH IN WALL. COORDINATE ROUGH-IN WITH PLUMBING CONTRACTOR. INSTALL XF IN ACCESSIBLE LOCATION ABOVE CEILING. CONNECT ALL VALVES AS REQUIRED.

P05 MOUNT RECEPTACLE AT TOP OF RACK, 6' AFF. VERIFY EXACT LOCATION WITH TELECOM CONTRACTOR AND OWNER PRIOR TO INSTALLATION.

P06 3/4"C. W/ (5) #10'S TO PANEL 'EB' IN CUBE BASEMENT LEVEL 'JANITOR 095'. CONNECT CIRCUITS TO ELEVATOR MONITORING EQUIP & EMERG. RESPONDER SYSTEM.

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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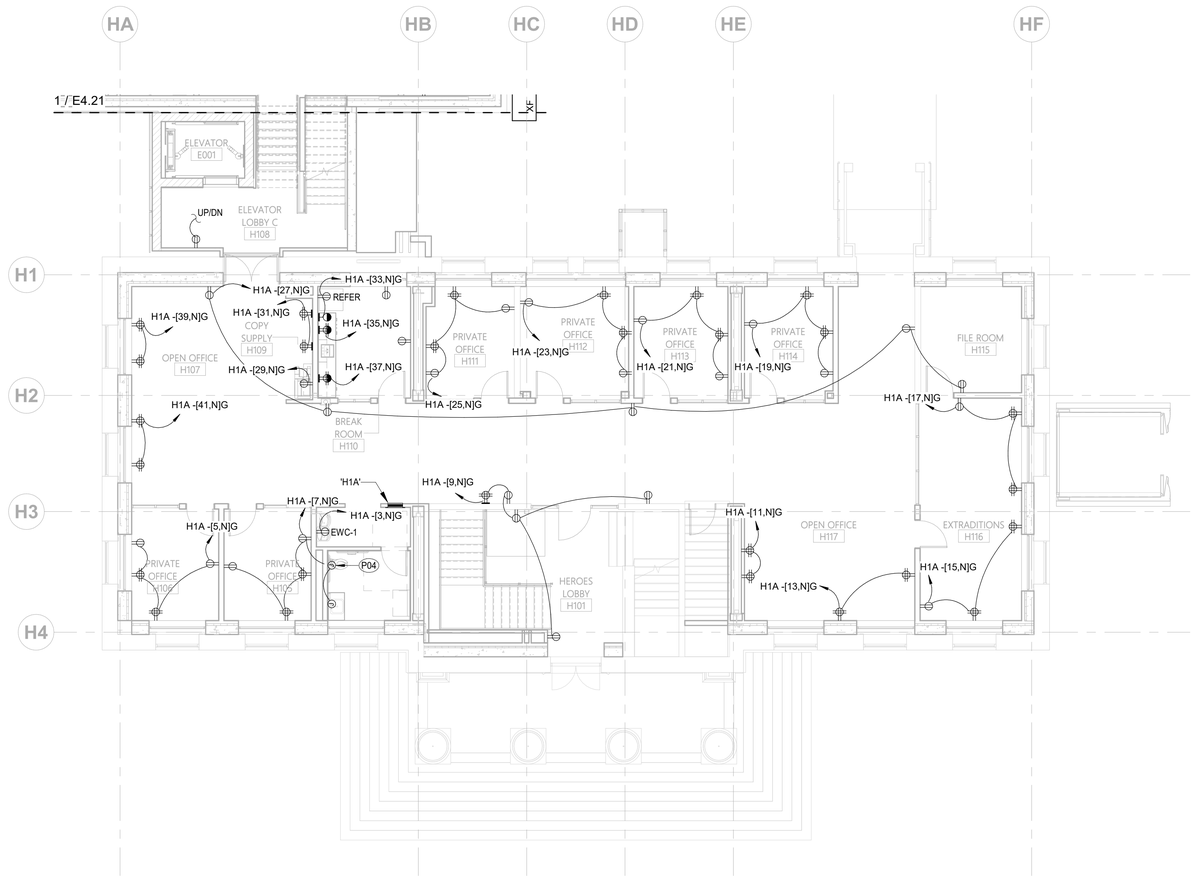
Sheet Title

HEROES BASEMENT POWER PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E4.10



1 / E4.11 HEROES LEVEL 1 POWER PLAN

Scale: 1/8" = 1'-0"

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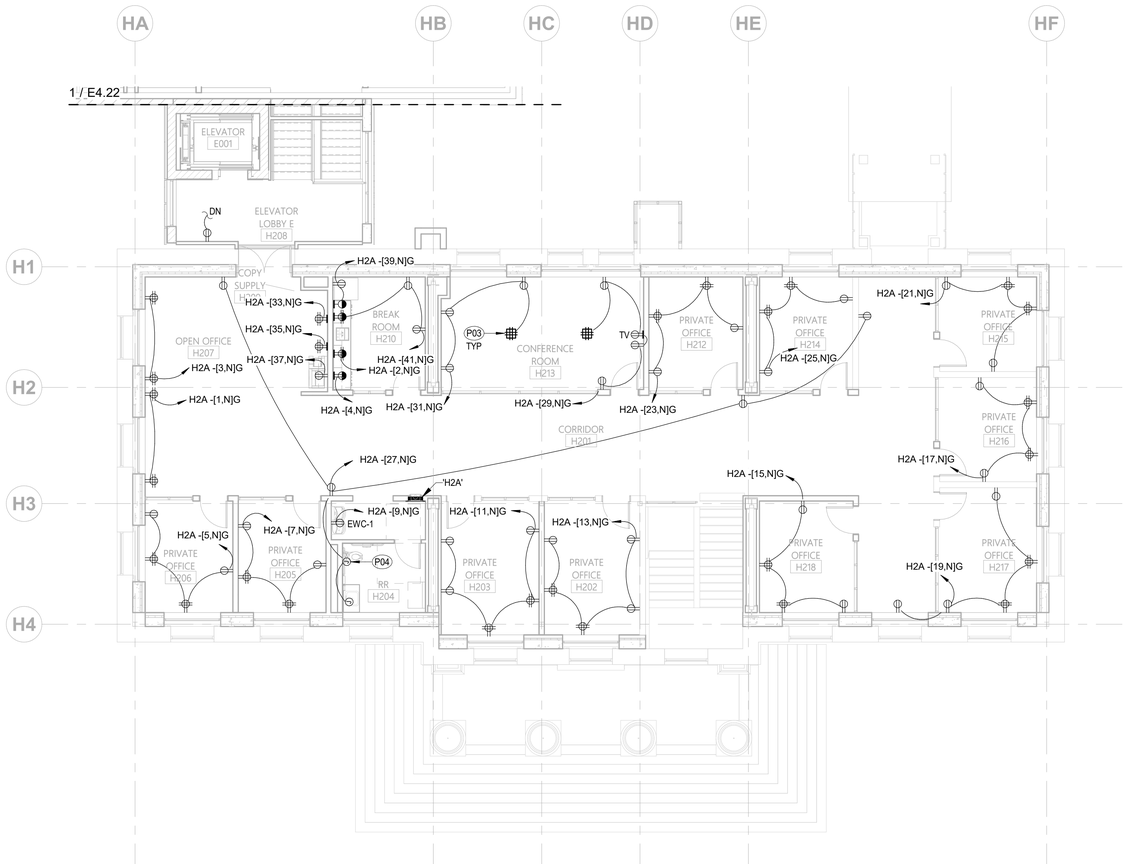
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HEROES LEVEL 1 POWER PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E4.11



1 E4.12 HEROES LEVEL 2 POWER PLAN

Scale: 1/8" = 1'-0"

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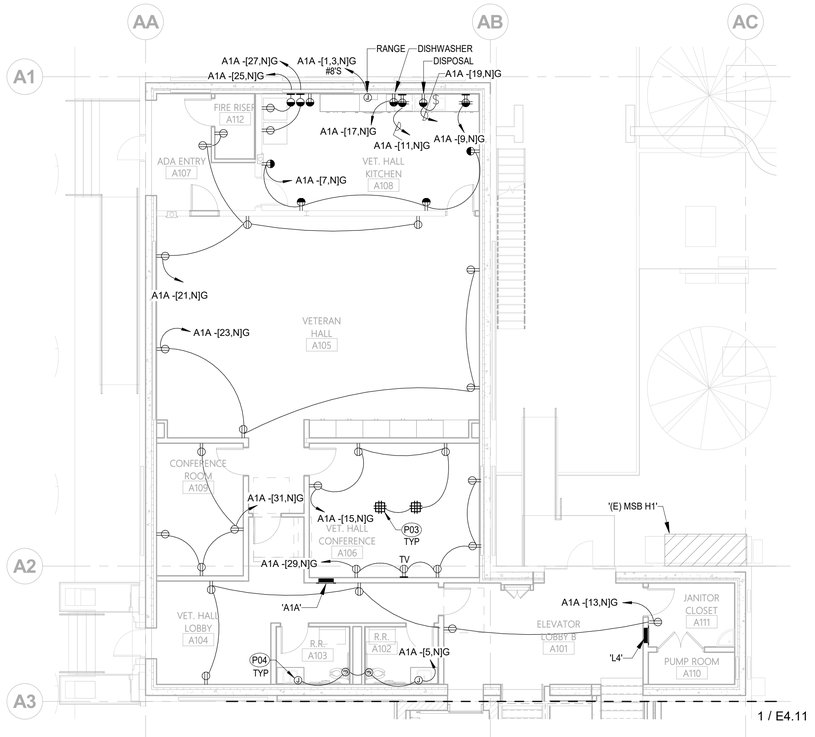
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4. COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS OF GENERAL RECEPTACLES, SPECIAL OUTLETS AND DISCONNECT SWITCHES IN SHOP AREAS WITH OWNER AND EQUIPMENT SUPPLIERS PRIOR TO ROUGH-IN.
5. CONDUITS FOR ROOF-MOUNTED DEVICES AND EQUIPMENT SHALL BE RUN BELOW 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.

(###) SHEET NOTES

P03 FLOOR BOX, SEE TELECOM DRAWINGS FOR SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.

P04 POWERED AUTOMATIC VALVE JUNCTION BOX FLUSH IN WALL. COORDINATE ROUGH-IN WITH PLUMBING CONTRACTOR. INSTALL XF IN ACCESSIBLE LOCATION ABOVE CEILING. CONNECT ALL VALVES AS REQUIRED.



1 / E4.21 ANNEX LEVEL 1 POWER PLAN

Scale: 1/8" = 1'-0"

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PLEASE RECYCLE

Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CD

REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

ANNEX LEVEL 1 POWER PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E4.21

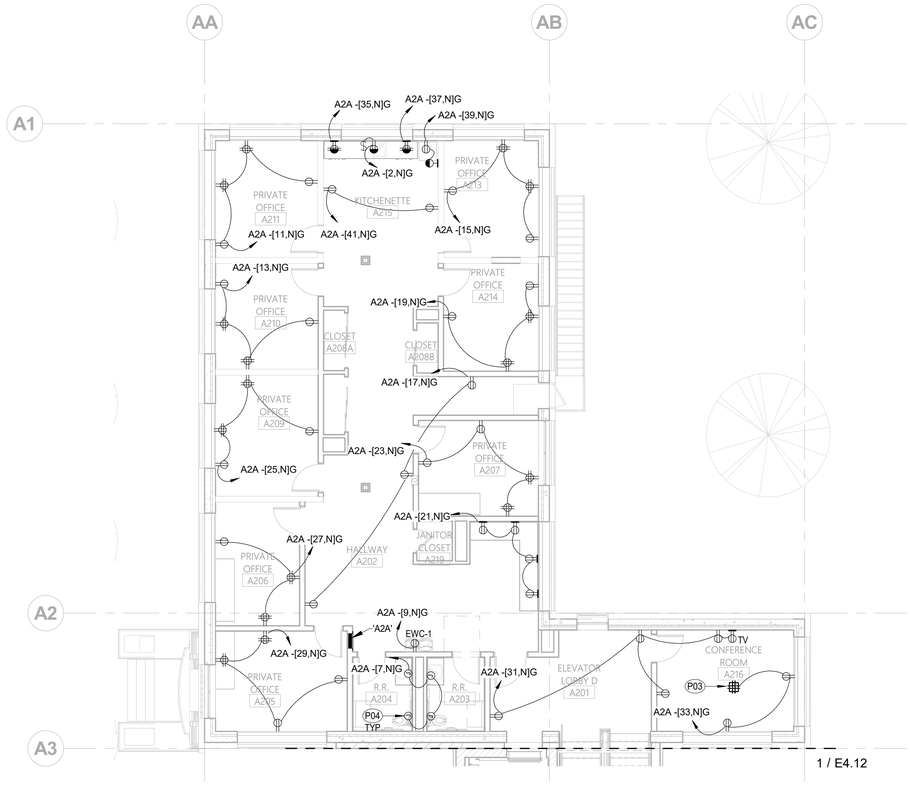
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1 / E4.22 ANNEX LEVEL 2 POWER PLAN

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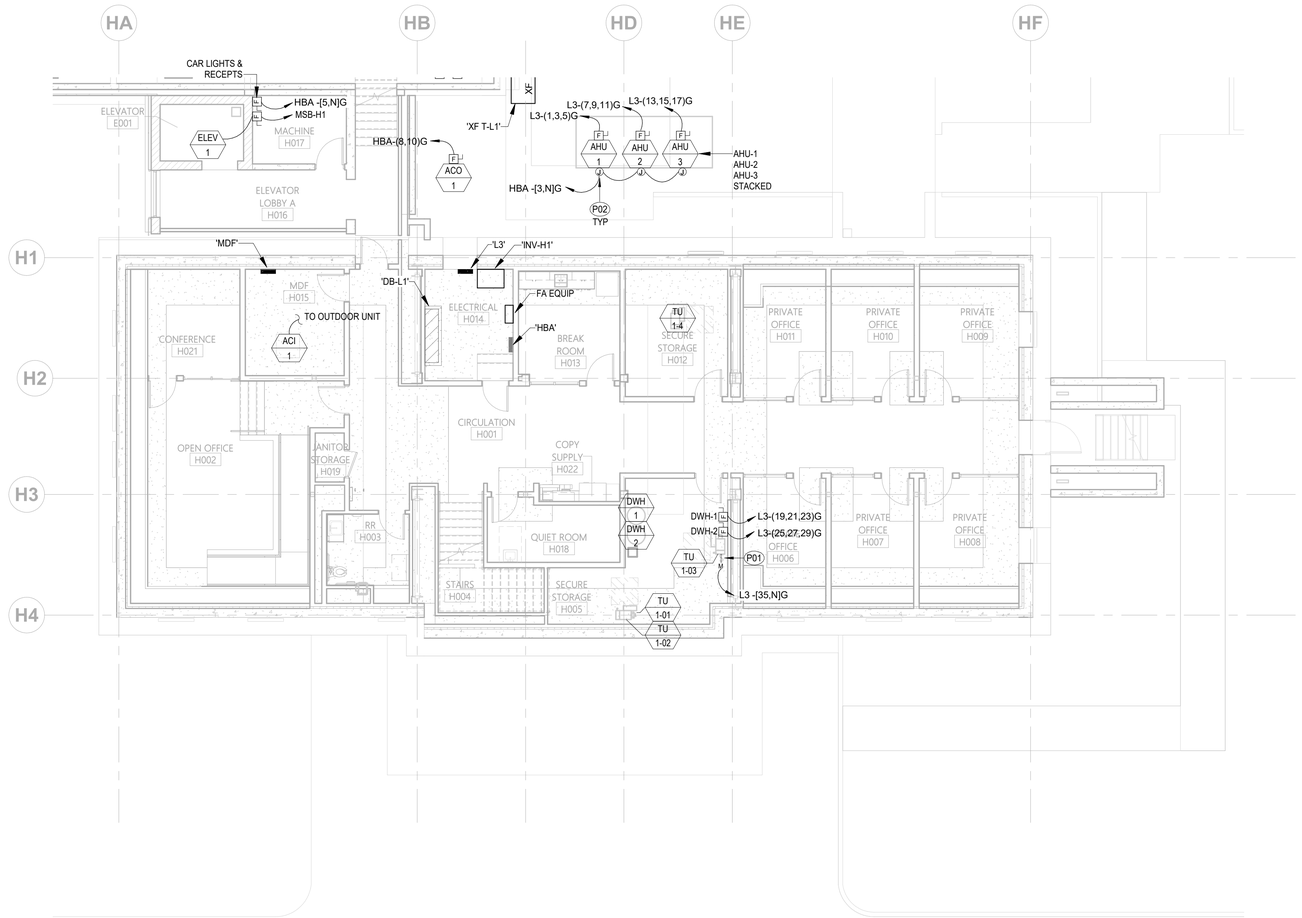
ANNEX LEVEL 2 POWER PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E4.22

MECHANICAL EQUIPMENT SCHEDULE - HEROES - BASEMENT										
EQUIPMENT ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	PANEL - CIRCUIT	NOTES
ACO-1	SPLIT SYSTEM	208 V	2	4992 VA		30A	N3R	FPEN	HBA - 8,10	
AHU-1	AIR HANDLER	480 V	3	3735 VA		30A	3R	FPEN	L3 - 1,3,5	
AHU-2	AIR HANDLER	480 V	3	10892 VA		30A	3R	FPEN	L3 - 7,9,11	
AHU-3	AIR HANDLER	480 V	3	10892 VA		30A	3R	FPEN	L3 - 13,15,17	
ELEV PWR	ELEVATOR CAR LTG & RECEPTS	120 V	1	600 VA		30A	1	NF	HBA - 5	LOCKABLE DISC. LOCATE PER ELEV. REQ'S
ELEV-1	ELEVATOR	480 V	3	27100 VA	SEE ONELINE DIAGRAM	100A	1	FPEN	(E) MSB H1 - 7	SEE ONELINE DIAGRAM
TU 1-03	TERMINAL UNIT POWER	277 V	1	1200 VA		MOTOR RATED SWITCH	1		L3 - 35	



1 E5.10 HEROES BASEMENT MECHANICAL POWER PLAN

Scale: 1/8" = 1'-0"

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P01 PROVIDE POWER AS SHOWN ON MECHANICAL EQUIPMENT SCHEDULE FOR CHILLED BEAM/TERMINAL UNIT POWER SUPPLY (277V/1PH-24VDC). COORDINATE WITH MECHANICAL FOR LOCATION. 24VDC WIRING BY MECHANICAL CONTROLS CONTRACTOR, LOCATIONS SHOWN FOR REFERENCE ONLY.

P02 120V CONNECTION FOR AIR HANDLER RECEPTACLE AND LIGHTING. COORDINATE ALL CONNECTION REQUIREMENTS & LOCATIONS WITH MECHANICAL EQUIPMENT.

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PLEASE RECYCLE

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Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REV	DATE	DESCRIPTION

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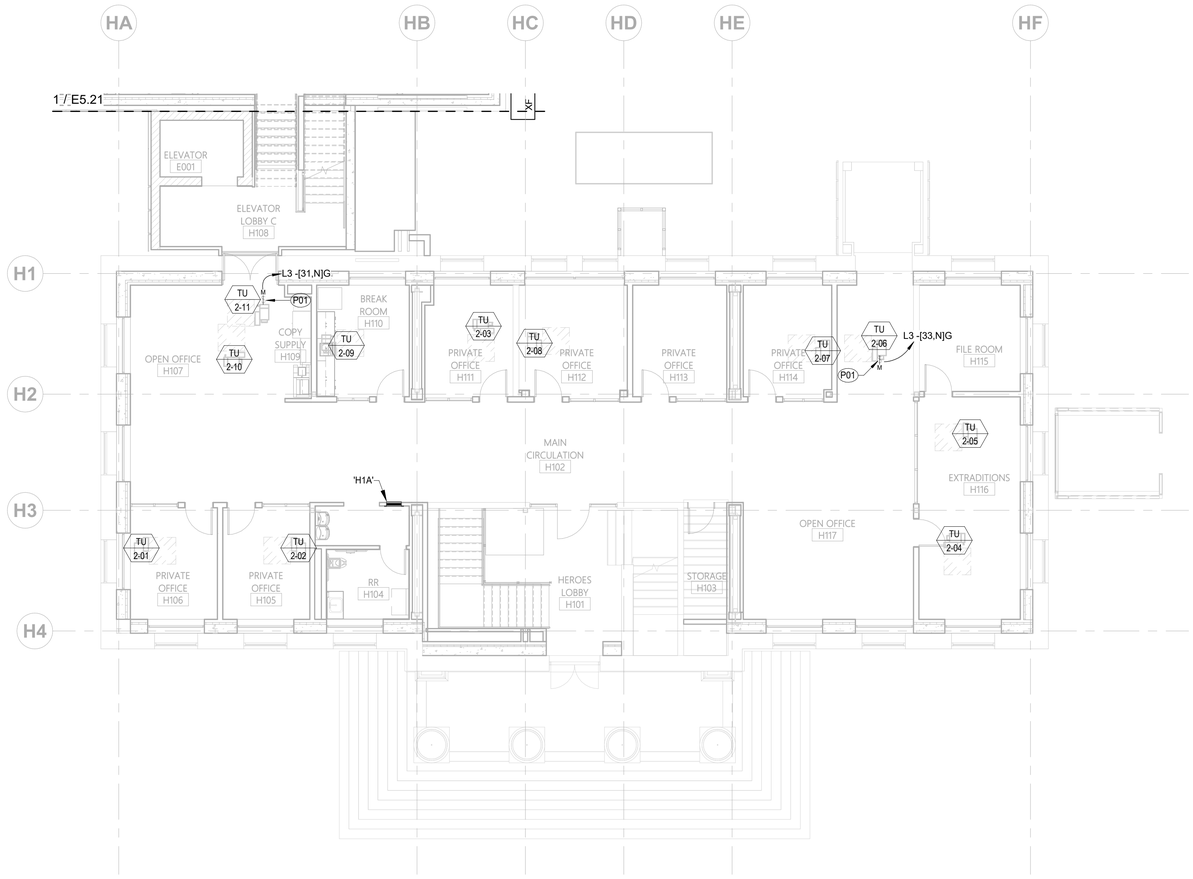
HEROES BASEMENT MECHANICAL POWER PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E5.10

MECHANICAL EQUIPMENT SCHEDULE - HEROES - LEVEL 1										
EQUIPMENT ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	PANEL - CIRCUIT	NOTES
TU 2-06	TERMINAL UNIT POWER	277 V	1	1200 VA		MOTOR RATED SWITCH	1		L3 - 33	
TU 2-11	TERMINAL UNIT POWER	277 V	1	1200 VA		MOTOR RATED SWITCH	1		L3 - 31	



1 / E5.11 HEROES LEVEL 1 MECHANICAL POWER PLAN
Scale: 1/8" = 1'-0"

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Project
Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner
Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
HEROES LEVEL 1 MECHANICAL POWER PLAN

Date: SEPTEMBER 23 2022
Sheet No:
E5.11

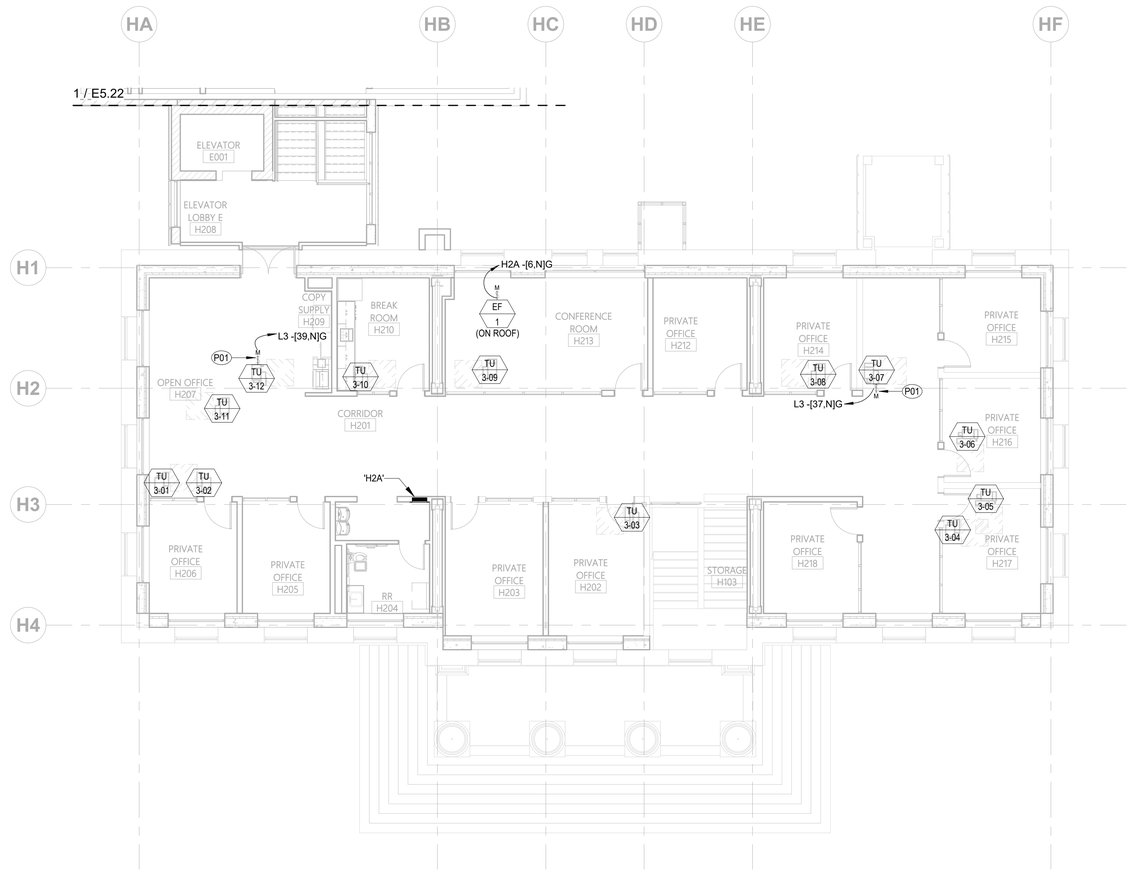
MECHANICAL EQUIPMENT SCHEDULE - HEROES - LEVEL 2										
EQUIPMENT ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	PANEL - CIRCUIT	NOTES
EF-1	EXHAUST FAN	120 V	1	400 VA		MOTOR RATED SWITCH	3R		H2A - 6	
TU 3-07	TERMINAL UNIT POWER	277 V	1	1200 VA		MOTOR RATED SWITCH	1		L3 - 37	
TU 3-12	TERMINAL UNIT POWER	277 V	1	1200 VA		MOTOR RATED SWITCH	1		L3 - 39	

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1 / E5.12 HEROES LEVEL 2 MECHANICAL POWER PLAN

Scale: 1/8" = 1'-0"

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SPWD Project No. 21-P02

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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title

HEROES LEVEL 2 MECHANICAL POWER PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E5.12

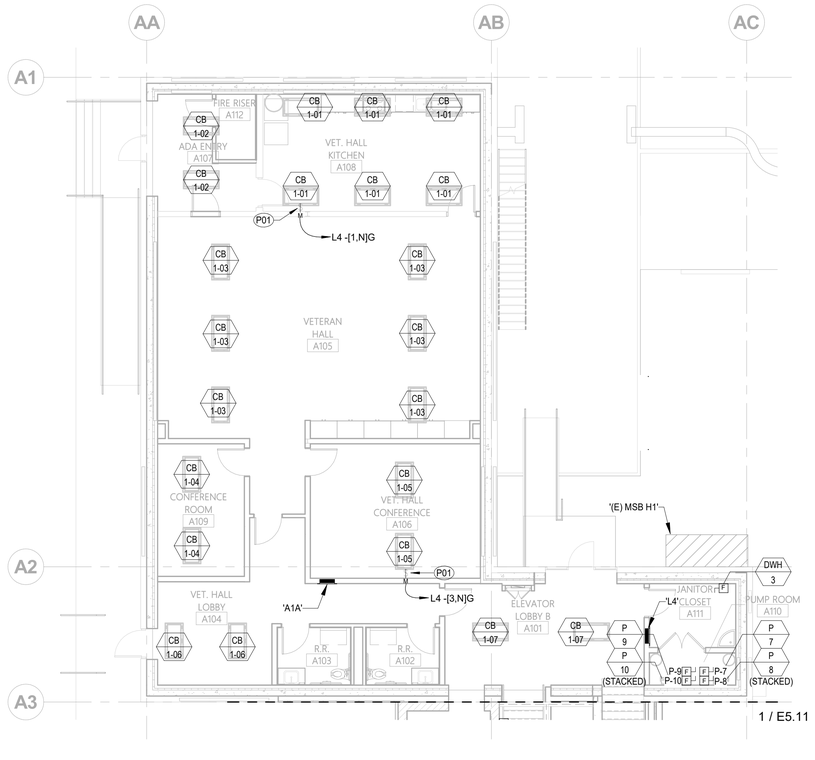
MECHANICAL EQUIPMENT SCHEDULE - ANNEX - LEVEL 1										
EQUIPMENT ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	PANEL - CIRCUIT	NOTES
CB 1-01	CHILLED BEAM POWER	277 V	1	1200 VA		MOTOR RATED SWITCH	1		L4 - 1	
CB 1-05	CHILLED BEAM POWER	277 V	1	1200 VA		MOTOR RATED SWITCH	1		L4 - 3	
DWH-3	ELECTRIC WATER HEATER	480 V	3	3000 VA		30A	1		L4 - 2,4,6	
P-7	ANNEX CHILLED BEAMS - COOLING	480 V	3	2400 VA		30A	1	FPEN	L4 - 20,22,24	
P-8	ANNEX CHILLED BEAMS - COOLING	480 V	3	2400 VA		30A	1	FPEN	L4 - 15,17,19	
P-9	ANNEX CHILLED BEAMS - HEATING	480 V	3	2400 VA		30A	1	FPEN	L4 - 14,16,18	
P-10	ANNEX CHILLED BEAMS - HEATING	480 V	3	2400 VA		30A	1	FPEN	L4 - 9,11,13	

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(###) SHEET NOTES

P01 PROVIDE POWER AS SHOWN ON MECHANICAL EQUIPMENT SCHEDULE FOR CHILLED BEAM/TERMINAL UNIT POWER SUPPLY (277V/1PH-24VDC). COORDINATE WITH MECHANICAL FOR LOCATION. 24VDC WIRING BY MECHANICAL CONTROLS CONTRACTOR, LOCATIONS SHOWN FOR REFERENCE ONLY.



1 / E5.21 ANNEX LEVEL 1 MECHANICAL POWER PLAN

Scale: 1/8" = 1'-0"

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225 South Arlington Avenue,
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pkelectrical.com 22001

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REV	DATE	DESCRIPTION

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ANNEX LEVEL 1 MECHANICAL POWER PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E5.21

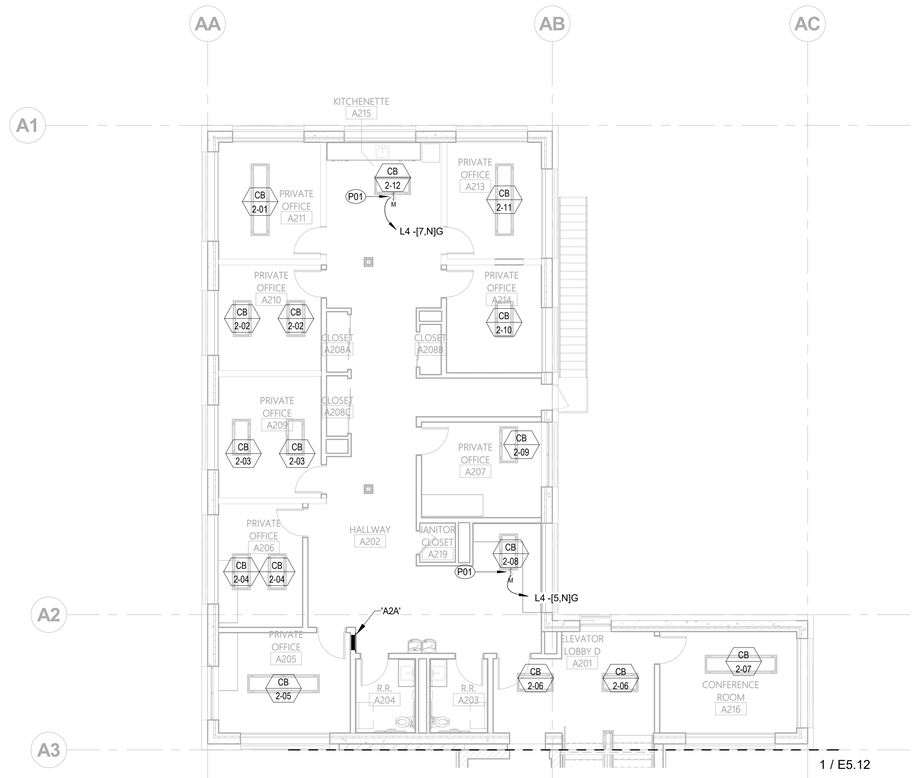
MECHANICAL EQUIPMENT SCHEDULE - ANNEX - LEVEL 2										
EQUIPMENT ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	PANEL - CIRCUIT	NOTES
CB 2-08	CHILLED BEAM POWER	277 V	1	1200 VA		MOTOR RATED SWITCH	1		L4 - 5	
CB 2-12	CHILLED BEAM POWER	277 V	1	1200 VA		MOTOR RATED SWITCH	1		L4 - 7	

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Job No: 21-043

Owner

Nevada State Public Works Division

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SPWD Project No. 21-P02

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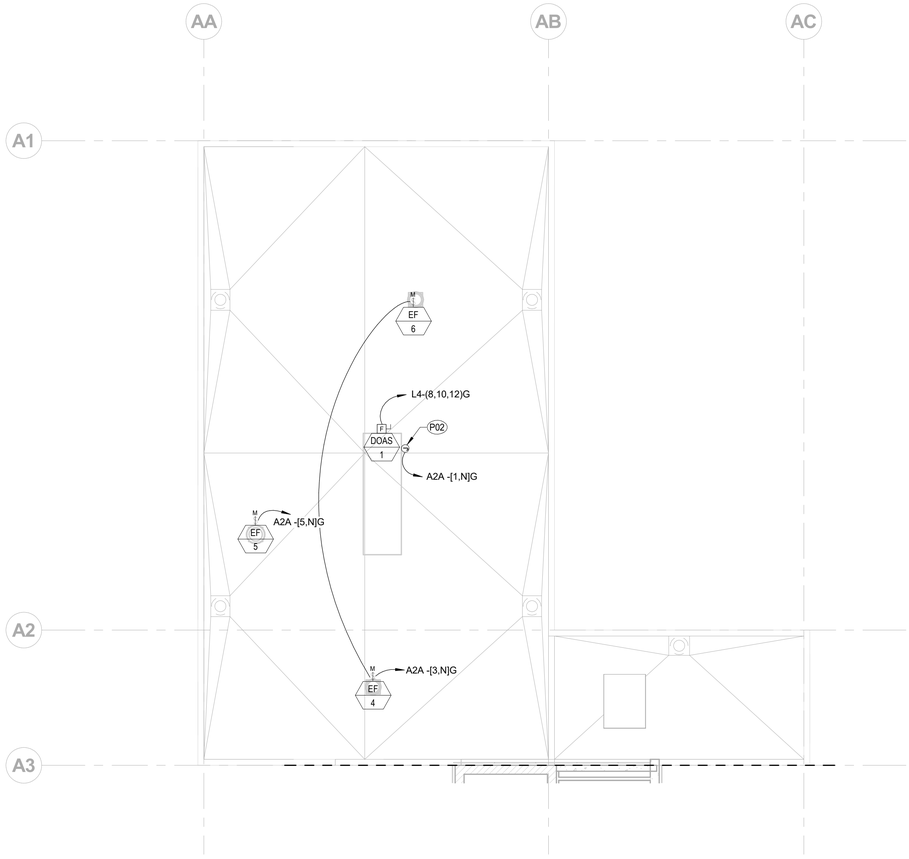
ANNEX LEVEL 2 MECHANICAL POWER PLAN

Date: SEPTEMBER 23 2022

Sheet No:

E5.22

MECHANICAL EQUIPMENT SCHEDULE - ANNEX - ROOF										
EQUIPMENT ID	EQUIPMENT DESCRIPTION	VOLTAGE	POLES	WATTAGE	WIRE SIZE (#12 UNO)	DISCONNECT	NEMA RATING	FUSE SIZE	PANEL - CIRCUIT	NOTES
DOAS-1	AIR HANDLER	480 V	3	2578 VA		30A	3R	FPEN	L4 - 8,10,12	
EF-4	EXHAUST FAN	120 V	1	400 VA		MOTOR RATED SWITCH	3R		A2A - 3	
EF-5	EXHAUST FAN	120 V	1	700 VA		MOTOR RATED SWITCH	3R		A2A - 5	
EF-6	EXHAUST FAN	120 V	1	400 VA		MOTOR RATED SWITCH	3R		A2A - 3	SPLIT CKT W/ EF-4



1 / E5.23 ANNEX ROOF MECHANICAL POWER PLAN

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(###) SHEET NOTES

P02 120V CONNECTION FOR AIR HANDLER RECEPTACLE AND LIGHTING. COORDINATE ALL CONNECTION REQUIREMENTS & LOCATIONS WITH MECHANICAL EQUIPMENT.

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REV	DATE	DESCRIPTION

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ANNEX ROOF MECHANICAL POWER PLAN

Date: SEPTEMBER 23 2022

Sheet No:

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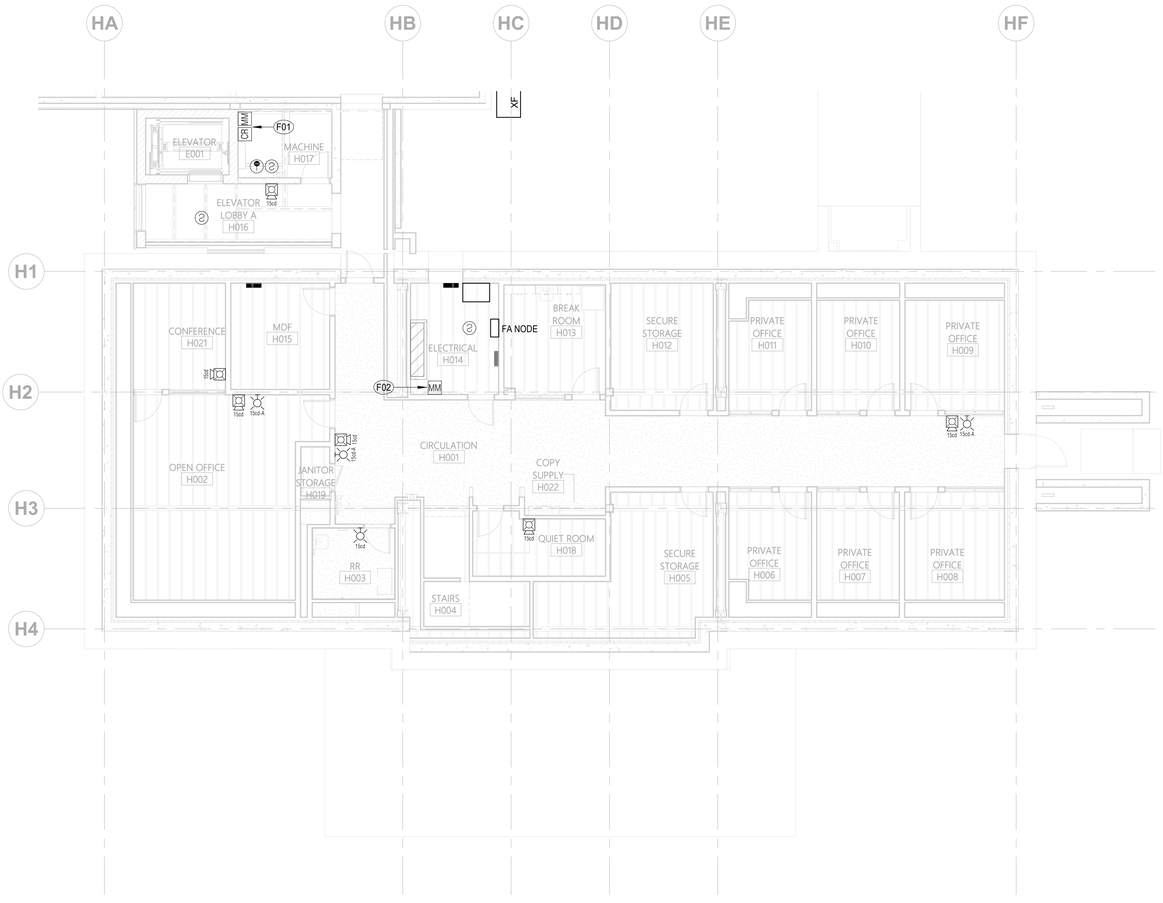
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(###) SHEET NOTES

F01 PROVIDE ALL REQUIRED FIRE ALARM RELAYS AND MONITOR MODULES FOR ELEVATOR. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR CONTRACTOR.

F02 PROVIDE (5) MONITOR MODULE POINTS FOR MONITORING OF EMERGENCY RESPONDER RADIO SYSTEM EQUIPMENT. COORDINATE WITH TELECOM DRAWINGS.



1 E6.10 HEROES BASEMENT FIRE ALARM PLAN

Scale: 1/8" = 1'-0"

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Date: SEPTEMBER 23 2022

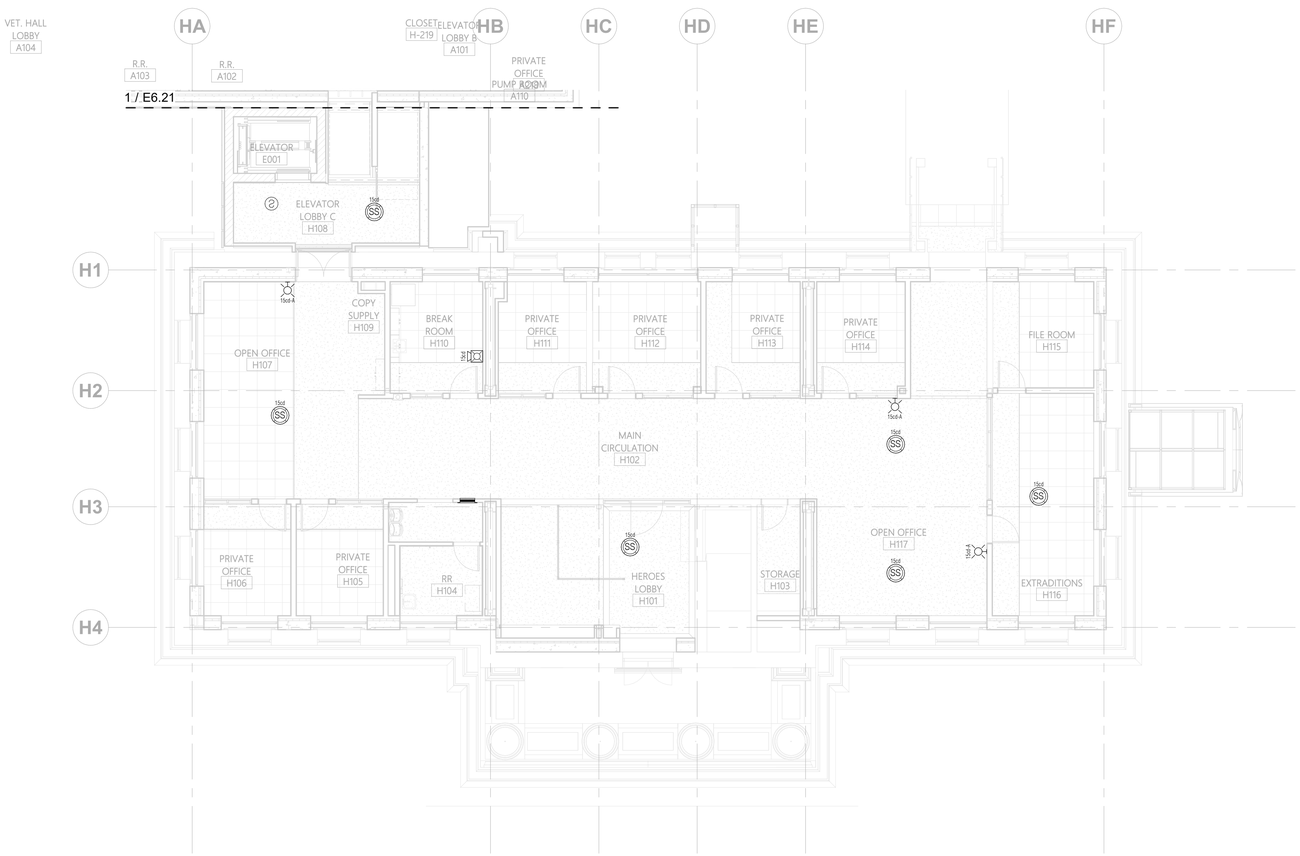
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(###) SHEET NOTES



1 / E6.11 HEROES LEVEL 1 FIRE ALARM PLAN

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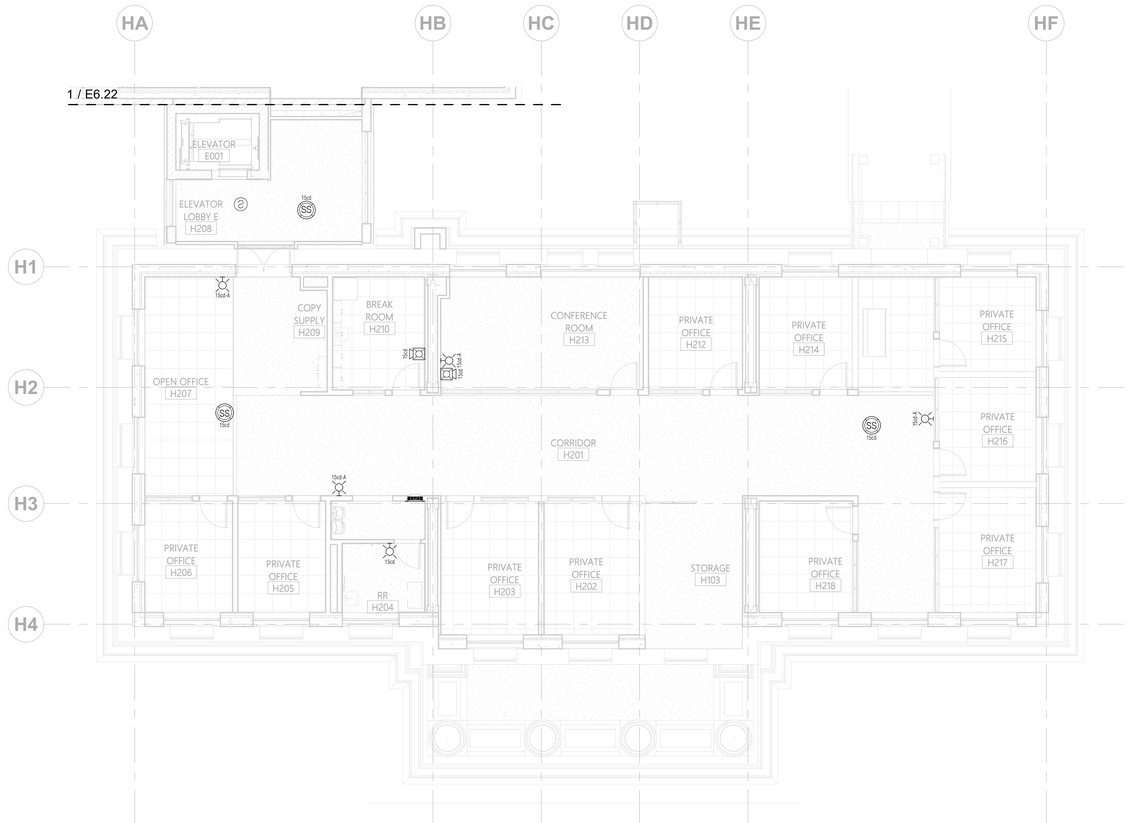
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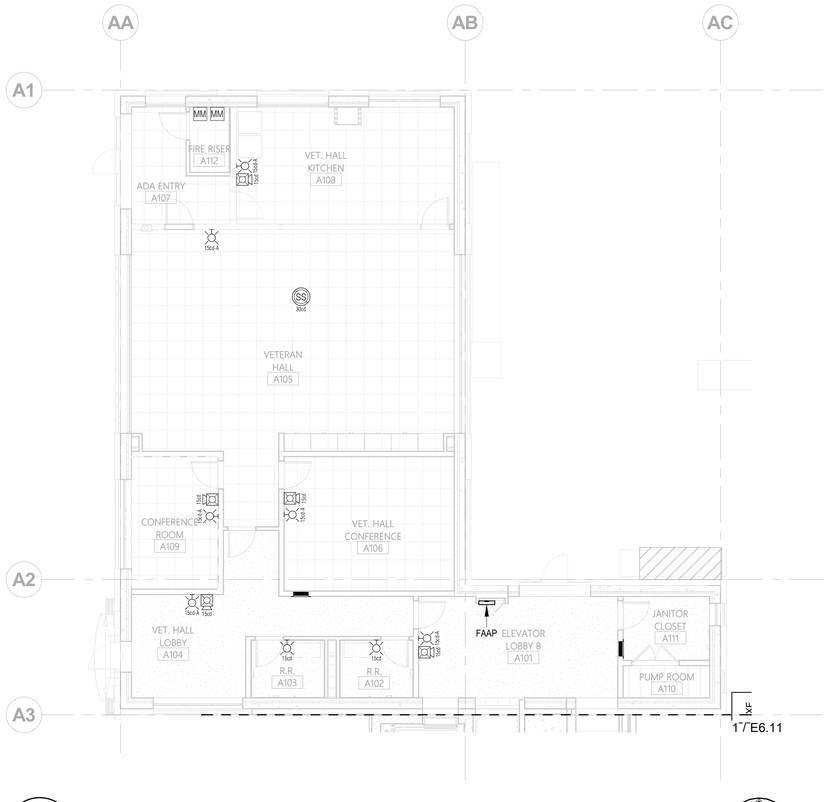
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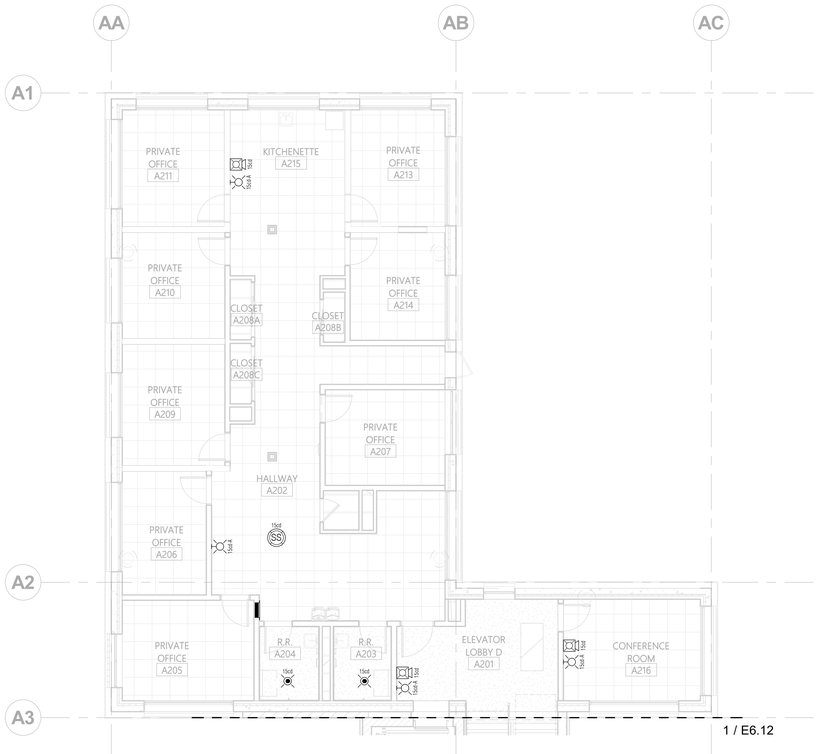
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ANNEX LEVEL 2 FIRE ALARM PLAN

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E6.22

TELECOM GENERAL NOTES

ITEM	DESCRIPTION
1.	STANDARDS AND CODES : ALL TELECOMMUNICATIONS (TELECOM), AUDIO-VISUAL (AV) AND ELECTRONIC SAFETY AND SECURITY (ESS) WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), ANSI/TIA STANDARDS AND ANSI/INFOCOMM STANDARDS REFERENCED IN THE DIVISION 27 AND DIVISION 28 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 A COMPLETE AND OPERATIONAL TELECOM SYSTEM, AUDIO/VISUAL SYSTEM AND SECURITY SYSTEM AS SHOWN ON THE CONTRACT DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS. THE DIVISION 26 ELECTRICAL CONTRACTOR, DIVISION 27 TELECOM CONTRACTOR AND DIVISION 28 SECURITY CONTRACTOR ARE RESPONSIBLE FOR THE WORK SHOWN ON THE TELECOM DRAWINGS AND DESCRIBED IN THE DIVISION 27 & 28 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 & 28 SPECIFICATIONS. THIS INCLUDES BUT IS NOT LIMITED TO ALL WIRE BASKET TRAY, CONDUIT, OUTLET BOXES, PULL BOXES, PULL STRING, SLEEVES. WHERE RACEWAY IS SHOWN ON THE TELECOM DRAWINGS BUT NOT SPECIFIED IN THE DIVISION 27 AND 28 SPECIFICATIONS, THE RACEWAY WILL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE DIVISION 26 SPECIFICATIONS. THE DIVISION 26 ELECTRICAL CONTRACTOR SHALL INSTALL WALL OR CEILING MOUNTED OUTLET BOXES AT ALL TELECOM OUTLETS AND WILL INSTALL AN 1" EMT CONDUIT (UON) FROM THE OUTLET BOX TO AN ACCESSIBLE CEILING SPACE. THE DIVISION 27 CONTRACTOR SHALL INSTALL J-HOOKS FROM THIS POINT TO THE TELECOM ROOM. WHERE NO ACCESSIBLE CEILING SPACE EXISTS OR IN AREAS WITHOUT CEILINGS, THE ELECTRICAL CONTRACTOR SHALL INSTALL CONDUIT FROM THE OUTLET BOX TO THE TELECOM ROOM. NO EXPOSED TELECOM OR A/V CABLING IS PERMITTED WITH THE EXCEPTION OF CABLING ROUTED WITHIN THE TELECOM ROOM. ALL CABLING MUST BE CONCEALED ABOVE ACCESSIBLE CEILINGS OR ROUTED IN CONDUIT. 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 40% 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 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 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 IS RESPONSIBLE FOR INSTALLATION OF FIRESTOPPING BETWEEN ALL TELECOM RACEWAYS AND THE BUILDING STRUCTURE. THE DIVISION 27 TELECOM CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF FIRESTOPPING BETWEEN THE TELECOM CABLING AND THE TELECOM RACEWAY.
5.	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, TELECOM OUTLET FACEPLATES, TELECOM OUTLET JACKS, DATA PATCH PANELS, VOICE TERMINATION BLOCKS, RACKS, RACK MOUNTED CABLE MANAGEMENT DEVICES, VELCRO CABLE TIES, D-RINGS, PATCH CORDS, STATION CORDS, CROSS CONNECT WIRE, LABELING, CABLE TESTING AND CERTIFICATION, ETC.
6.	CABLING AND TERMINATIONS : ALL PREMISE HORIZONTAL DATA AND VOICE CABLING, PATCH CORDS AND WORKSTATION CORDS SHALL BE CATEGORY 6 UNSHIELDED TWISTED PAIR. ALL PATCH PANELS AND OUTLET JACKS SHALL BE CATEGORY 6. HORIZONTAL CAT 6 DATA AND VOICE CABLING SHALL HAVE A PLENUM RATED (CMP) JACKET (JACKET COLOR BLUE). NO SPLICES WILL BE PERMITTED IN ANY TELECOM CABLING UNLESS EXPLICITLY SHOWN ON THE DRAWINGS. THE MAXIMUM CABLE LENGTH BETWEEN THE WORK AREA OUTLET AND THE TERMINATION IN THE TELECOM ROOM SHALL BE 295 FEET. NOTIFY THE ENGINEER OF HORIZONTAL CABLES LONGER THAN 295 FEET PRIOR TO INSTALLATION. PROVIDE SLACK IN CABLES AT ENTRANCES AND EXITS OF CONDUIT SLEEVES AND AT TRANSITIONS FROM HORIZONTAL TO VERTICAL CABLE LADDERS AND CABLE TRAYS. PROVIDE A MINIMUM 10'-0" MAINTENANCE LOOP IN THE TELECOM ROOMS FOR ALL HORIZONTAL CABLING TO ALLOW MINOR RELOCATION OF THE TELECOM RACKS. BACKBONE FIBER CABLE SHALL BE RISER RATED TIGHT BUFFERED SINGLEMODE WITH A RISER RATED JACKET. CABLE SHALL BE TERMINED IN 2RU RACK MOUNTED FIBER TERMINATION CABINETS ON 12-FIBER FUSION SPLICE CASSETTES WITH DUPLEX LC CONNECTORS. CABLE SHALL BE ROUTED IN CONDUIT IN 1" ORANGE CORRUGATED INNERDUCT. BACKBONE COPPER VOICE CABLE SHALL BE 25-PAIR RISER RATED CAT 5E. CABLE SHALL BE ROUTED IN CONDUIT. TELECOM CABLING SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. ALL CABLES SHALL BE NEATLY BUNDLED AND DRESSED IN THE TELECOM ROOMS. LOOSELY BUNDLE HORIZONTAL CABLE WITH VELCRO TIE WRAPS AT 1'-0" CENTERS INSIDE THE TELECOM ROOMS AND AT 2'-0" CENTERS OUTSIDE THE TELECOM ROOM. DO NOT EXCEED QTY (24) CABLES PER BUNDLE.
7.	TESTING AND CERTIFICATION : ALL DATA, VOICE 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.
8.	SUPERVISION: ALL WORK SHALL BE SUPERVISED ON A DAILY BASIS BY A BICSI CERTIFIED SUPERVISOR HAVING A MINIMUM OF THREE (3) YEARS EXPERIENCE IN THE INSTALLATION OF STRUCTURED CABLING AND TELECOMMUNICATION SYSTEMS.
9.	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: EXACT ROUTING OF J-HOOKS AND ALL RACEWAY LARGER THAN 2", QTY AND LAYOUT OF ALL TELECOM OUTLETS, QUANTITY OF TELECOM DROPS AT EACH OUTLET, CONTRACTORS NAME, ADDRESS AND TELEPHONE PHONE NUMBER. RECORD NOTATIONS SHALL BE CLEARLY DRAWN WITH A DRAFTING APPEARANCE EQUAL TO THE ORIGINAL DRAWINGS.
10.	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.
11.	GUARANTEE : THE CATEGORY 6 STRUCTURED CABLING SYSTEM INCLUDING HORIZONTAL CABLING, PATCH PANELS, PATCH CORDS AND TELECOM OUTLET JACKS SHALL CARRY A MINIMUM TWENTY (20) YEAR MANUFACTURER WARRANTY FROM BELDEN, COMMSCOPE OR BERK-TEK / LEVITON. 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.
12.	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 DRWGS AND TERMINATION SCHEDULES SUBMITTED AND APPROVED, MFG'S WARRANTY AND CONTRACTOR'S GUARANTEE SUBMITTED, EXTRA STOCK ITEMS TURNED OVER TO THE OWNER.

AUDIO / VISUAL LEGEND

SYMBOL	DESCRIPTION
AV	AUDIO / VISUAL BOX (FLAT PANEL DISPLAY): 4 11/16" HIGH X 4 11/16" WIDE X 3 1/4" DEEP LARGE CAPACITY FLUSH 2-GANG AV WALL BOX (HUBBELL HBL260 OR EQUAL) +60" AFF WITH 1 1/2" CONDUIT TO ACCESSIBLE CEILING SPACE. PROVIDE 2-GANG MUD RING WITH 2-PORT DECORA PLATE (LEVITON 80409-W) WITH QTY (2) DECORA BRUSH PASS THROUGH INSERTS (LEVITON 41075-W).

ELEV LANDING 2-WAY COMM LEGEND

SYMBOL	DESCRIPTION
EMS	EMERGENCY MASTER STATION: FLUSH WALL MOUNTED WITH PLENUM CAT 6 DROP. SEE 4/T0.03 FOR REQUIREMENTS.
ECS	EMERGENCY CALL STATION: FLUSH WALL MOUNTED HANDS FREE STAINLESS STEEL CALL STATION LOCATED AT ELEVATOR LANDINGS.

EMERG RESPONDER RADIO LEGEND

SYMBOL	DESCRIPTION
DANT	DONOR ANTENNA: ROOF MOUNTED 700/800MHZ YAGI DONOR ANTENNA WITH COAX CABLE CONNECTION TO BDA (SEE T0.05 FOR EMERG RESPONDER RADIO DETAILS).
BDA	BUILDING DISTRIBUTION AMPLIFIER: DUAL BAND CLASS B 700/800MHZ AMPLIFIER.
UPS	UNINTERRUPTIBLE POWER SUPPLY WITH 12-HOUR RUN-TIME.
A	ANTENNA: INDOOR CEILING MOUNTED 700/800MHZ DOME ANTENNA.
ANN	ANNUNCIATOR: DEDICATED SYSTEM MONITORING AND ANNUNCIATOR PANEL MOUNTED NEXT TO EXISTING FIRE ALARM CONTROL PANEL (FACP).

RACEWAY LEGEND

SYMBOL	DESCRIPTION
———	CONDUIT. SIZE AS INDICATED ON DRAWINGS
— — —	CONDUIT UNDERGROUND OR IN SLAB
———|	CONDUIT STUB OUT WITH BUSHING.
|——|	HORIZONTAL OR VERTICAL SLEEVE WITH BUSHINGS.
———o	CONDUIT UP OR DOWN.
— J — J —	J-HOOKS (WHERE SPECIFIC ROUTING REQUIRED)
	CABLE TRAY OR LADDER RACK. SIZE INDICATED ON DWGS
	WIRE BASKET TRAY. SIZE INDICATED ON DRWGS. SEE 5/T0.2.
	VERTICAL LADDER RACK.
	CONDUIT OR SLEEVE STUB UP.

EQUIPMENT & CABLING LEGEND

SYMBOL	DESCRIPTION
	TELECOM 4-POST EQUIP RACK W/ VERTICAL CABLE MANAGERS.
	RACK, WIRING BLOCK OR EQUIPMENT GROUND.
TMGB	4" X 20" X 1/4" MAIN GROUNDING BUSBAR (SEE 4/T0.02 & 3/T0.03).
RING	24" DIAMETER STEEL WALL MOUNTED CABLE SLACK STORAGE RING WITH RECLOSEABLE VELCRO FASTENERS.

TELECOM LEGEND

SYMBOL	DESCRIPTION
2D	DATA OUTLET: 4 11/16" X 4 11/16" X 2 1/8" DEEP BOX +18" AFF (UON) WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE. PROVIDE 4-PORT FACEPLATE WITH QTY (2) PLENUM RATED CAT 6 DATA DROP (JACKET COLOR BLUE) TERMINATED ON CAT 6 JACKS. SEE PLANS FOR QUANTITY OF VOICE AND DATA DROPS AT EACH OUTLET. SEE 1,2/T0.02 FOR ADDITIONAL REQUIREMENTS.
1D WAP	WALL MOUNTED DATA OUTLET FOR WIRELESS ACCESS POINT: 4 11/16" X 4 11/16" X 2 1/8" DEEP BOX WITH SINGLE GANG RING AND 1" CONDUIT TO ACCESSIBLE CEILING SPACE (SEE PLANS FOR MOUNTING HEIGHT). PROVIDE 1-PORT FACEPLATE WITH QTY (1) PLENUM RATED CAT 6 DATA DROP (JACKET COLOR BLUE) TERMINATED ON CAT 6 JACK.
1D WAP	CEILING MOUNTED DATA OUTLET FOR WIRELESS ACCESS POINT: 4 11/16" X 4 11/16" X 2 1/8" DEEP BOX SECURED TO CEILING WITH SINGLE GANG RING AND 1" CONDUIT TO ACCESSIBLE CEILING SPACE. PROVIDE 1-PORT FACEPLATE WITH QTY (1) PLENUM RATED CAT 6 DATA DROP (JACKET COLOR BLUE) TERMINATED ON CAT 6 JACK.
1	6-GANG SLAB ON GRADE FLOOR BOX: SEE 5/T0.02 FOR REQUIREMENTS. INSTALL (1) 1" CONDUIT FOR DATA AND (1) 1 1/4" CONDUIT FOR AV FROM FLOOR BOX TO ACCESSIBLE CEILING SPACE ON SAME FLOOR AS CONFERENCE RM. PROVIDE QTY OF CAT 6 DATA DROPS SHOWN ON DRAWINGS TERMINATED IN FLOOR BOX ON 4-PORT DECORA PLATE. INSTALL HDMI CABLE FROM FLOOR BOX TO AV WALL BOX BEHIND FLAT PANEL DISPLAY. TERMINATE HDMI CABLE AT BOTH ENDS ON 1-PORT DECORA PLATE (LEVITON 41647-W). PROVIDE DECORA BRUSHED CABLE PASS THROUGH PLATE IN FLOOR BOX (LEVITON 41075-W).
2	8" DIAMETER POKE-THROUGH FLOOR BOX: SEE 6/T0.02 FOR REQUIREMENTS. INSTALL (1) 1" CONDUIT FOR DATA AND (1) 1 1/4" CONDUIT FOR AV FROM FLOOR BOX TO ACCESSIBLE CEILING SPACE ON SAME FLOOR AS CONFERENCE RM. PROVIDE QTY OF CAT 6 DATA DROPS SHOWN ON DRAWINGS TERMINATED IN FLOOR BOX ON 4-PORT DECORA PLATE. INSTALL HDMI CABLE FROM FLOOR BOX TO AV WALL BOX BEHIND FLAT PANEL DISPLAY. TERMINATE HDMI CABLE AT BOTH ENDS ON 1-PORT DECORA PLATE (LEVITON 41647-W). PROVIDE DECORA BRUSHED CABLE PASS THROUGH PLATE IN FLOOR BOX (LEVITON 41075-W).

ACCESS CONTROL SYSTEM LEGEND

SYMBOL	DESCRIPTION
CR	COMBINATION PROX/SMART CARD READER.
ES	ELECTRIC STRIKE.
RX	REQUEST TO EXIT MOTION DETECTOR.
C	MAGNETIC DOOR POSITION CONTACTS.
PB	MANUAL DOOR RELEASE PUSH BUTTON.
PT	POWER TRANSFER HINGE.
ACP	ACCESS CONTROL PANEL AND POWER SUPPLY CABINET WALL MOUNTED IN BASEMENT TELECOM RM (SEE 1/T0.04).

VIDEO SURVEILLANCE LEGEND

SYMBOL	DESCRIPTION
	FIXED SINGLE SENSOR CCTV CAMERA: INSTALL CAT 6 CABLE FROM CAMERA TO BASEMENT TELECOM ROOM. TERMINATE CABLE AT CAMERA ON FIELD MOUNT OR FLEX PLUG. TERMINATE CABLE AT TELECOM ROOM IN 48-PORT PATCH PANELS. SEE T0.06 & T0.07 FOR CAMERA SCHEDULE AND DETAILS.
	FIXED 4-SENSOR CCTV CAMERA: INSTALL CAT 6 CABLE FROM CAMERA TO BASEMENT TELECOM ROOM. TERMINATE CABLE AT CAMERA ON FIELD MOUNT OR FLEX PLUG. TERMINATE CABLE AT TELECOM ROOM IN 48-PORT PATCH PANELS. SEE T0.06 & T0.07 FOR CAMERA SCHEDULE AND DETAILS.

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AV	AUDIO / VISUAL
AWG	AMERICAN WIRE GAUGE
CATV	CABLE TV
COAX	COAXIAL CABLE
DEMARC	DEMARCATION POINT
DIA	DIAMETER
FBO	FURNISHED BY OTHERS
(E)	EXISTING
EA	EACH
EMT	ELECTRICAL METALLIC TUBING
EQ	EQUAL
FBO	FURNISHED BY OTHERS
FPD	FLAT PANEL DISPLAY
GND	GROUND
HC	HORIZONTAL CROSS-CONNECT
IC	INTERMEDIATE CROSS-CONNECT
ID	INSIDE DIAMETER
IDC	INSULATION DISPLACEMENT CONNECTOR
IDF	INTERMEDIATE DISTRIBUTION FRAME
LAN	LOCAL AREA NETWORK
MC	MAIN CROSS-CONNECT
MDF	MAIN DISTRIBUTION FRAME
MM	MULTIMODE FIBER OPTIC CABLE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFE	OWNER FURNISHED EQUIPMENT
OSP	OUTSIDE PLANT
PVC	POLYVINYLCHLORIDE
SM	SINGLEMODE FIBER OPTIC CABLE
TBB	TELCOMMUNICATIONS BONDING BACKBONE
TR	TELECOMMUNICATIONS ROOM
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
WAP	WIRELESS ACCESS POINT
WG	WIRE GUARD
WP	WALL PHONE

DRAWING SCHEDULE

SHEET	DESCRIPTION	
T0.01	TELECOM LEGEND, GENERAL NOTES AND DRAWING SCHEDULE	●
T0.02	TELECOM DETAILS	●
T0.03	ENLARGED TELECOM ROOM DETAILS	●
T0.04	DOOR ACCESS CONTROL DETAILS	●
T0.05	EMERGENCY RESPONDER RADIO DETAILS	●
T0.06	CCTV DETAILS	●
T0.07	CCTV MOUNTING DETAILS	●
T1.10	HEROES BASEMENT TELECOM PLAN	●
T1.11	HEROES LEVEL 1 TELECOM PLAN	●
T1.12	HEROES LEVEL 2 TELECOM PLAN	●
T1.21	ANNEX LEVEL 1 TELECOM PLAN	●
T1.22	ANNEX LEVEL 2 TELECOM PLAN	●
	TOTAL SHEETS IN ISSUE:	12

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Project
Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner
Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

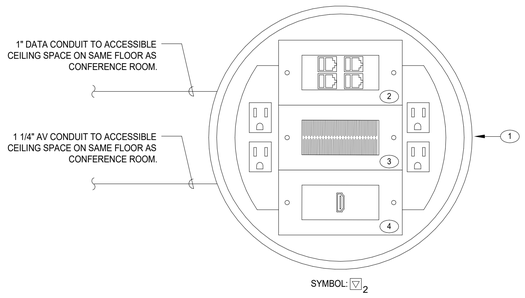
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REVISIONS		
REV	DATE	DESCRIPTION

Sheet Title
TELECOM LEGEND, GENERAL NOTES AND DRAWING SCHEDULE

Date: SEPTEMBER 23 2022

Sheet No:
T0.01

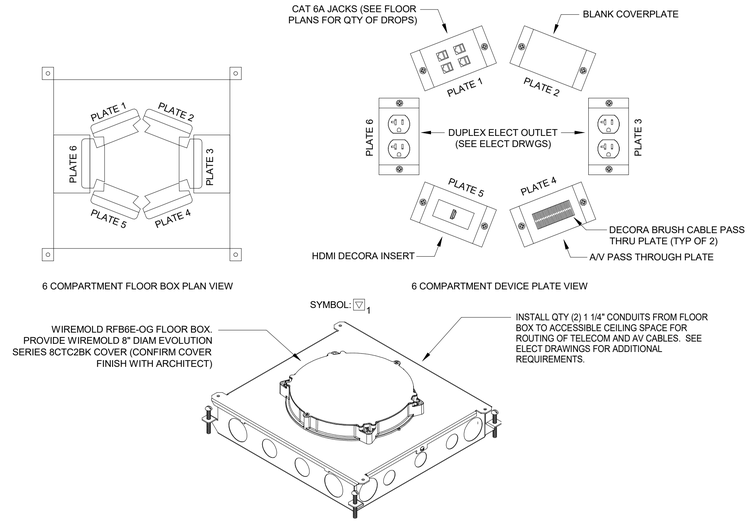


6 T0.02 8" DIAM POKE-THRU FLOOR BOX

SCALE: NONE

8" DIAM POKE-THRU SHEET NOTES

1. 8" DIAMETER POKE-THRU WITH RECESSED POWER / DATA / AV OUTLETS (WIREMOLD 8ATC2PGY). PROVIDE QTY (3) SINGLE GANG DEVICE MOUNTING PLATES WITH EACH FLOOR BOX FOR MOUNTING OF DECORA STYLE INSERTS (WIREMOLD P/N 8DEC).
2. CAT 6 DATA OUTLETS MOUNTED IN 4-PORT DECORA PLATE (SEE PLANS FOR QTY). INSTALL 1" CONDUIT FROM POKE-THRU TO ACCESSIBLE 1ST FLOOR CEILING SPACE FOR ROUTING OF TELECOM CABLING. TERMINATE TELECOM CABLE IN 1ST FLOOR TELECOM ROOM 102.
3. OPENINGS FOR FUTURE AV CABLING. PROVIDE DECORA BRUSH CABLE PASS-THROUGH INSERTS (LEVITON 41075-DBW OR EQUAL). INSTALL 1 1/2" CONDUIT FROM POKE-THRU TO 2ND FLOOR CEILING SPACE FOR ROUTING OF AV CABLES. COORDINATE ROUTING OF AV CONDUIT THROUGH DEMOUNTABLE PARTITIONS WITH PARTITION MANUFACTURER
4. DECORA HDMI PASS THROUGH PLATE (LEVITON 41647-W)

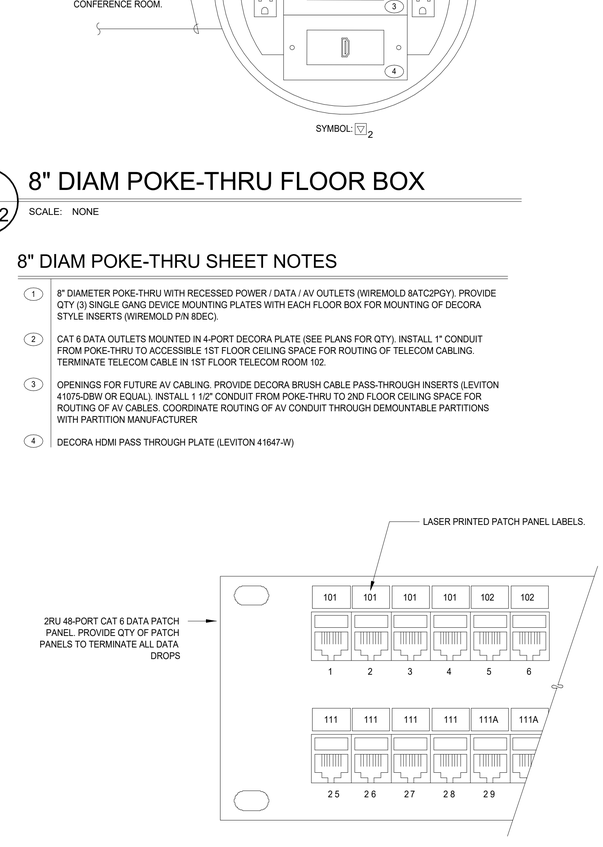


5 T0.02 SLAB ON GRADE FLOOR BOX (RFB6E-OG)

SCALE: NONE

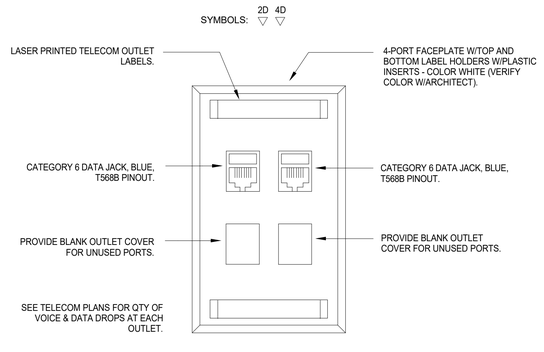
FLOOR BOX GENERAL NOTES

1. PROVIDE ALL REQUIRED PARTS AND ACCESSORIES REQUIRED FOR A COMPLETE FLOOR BOX INSTALLATION INCLUDING FLOOR BOX, CUSTOM POWER PLATES, CUSTOM COMMUNICATION DEVICE PLATES, BLANK PLATES, COVERS, TRIM RINGS, ETC. SEE ELECTRICAL DRAWINGS FOR FLOOR BOX POWER REQUIREMENTS.
2. COORDINATE FLOOR BOX COVER AND TRIM RING MATERIAL/COLOR WITH ARCHITECT.
3. PROVIDE COMMUNICATION DEVICE PLATES COMPATIBLE WITH FLOOR BOXES AND COMMUNICATION JACKS.



3 T0.02 48 PORT CAT 6 PATCH PANEL

SCALE: NONE



2 T0.02 TELECOM OUTLET

SCALE: NONE

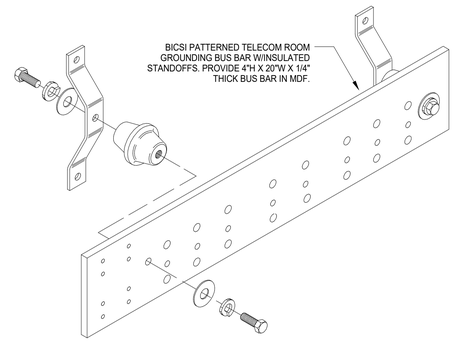


7 T0.02 BACKBONE CABLE ONELINE

SCALE: NONE

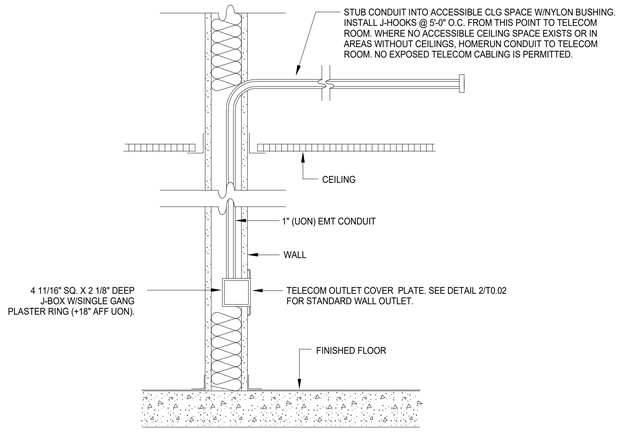
BACKBONE CABLE SHEET NOTES

1. 24-STRAND RISER RATED TIGHT-BUFFERED SINGLEMODE FIBER OPTIC CABLE. TERMINATE CABLE AT BOTH ENDS ON 2RU RACK MOUNTED FIBER TERMINATION CABINETS WITH 12-FIBER FUSION SPLICE CASSETTES WITH DUPLEX LC CONNECTORS. ROUTE CABLE IN CONDUIT WITHIN 1" ORANGE CORRUGATED INNERDUCT.
2. 25-PAIR RISER RATED CAT 5E PHONE CABLE. TERMINATE CABLE AT BOTH ENDS ON WALL MOUNTED 100-PAIR CAT 5E 110 BLOCKS.



4 T0.02 TELECOM ROOM GROUNDING BAR

SCALE: NONE



1 T0.02 TELECOM OUTLET BOX ROUGHIN

SCALE: NONE

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REV	DATE	DESCRIPTION

Sheet Title

TELECOM DETAILS

Date: SEPTEMBER 23 2022

Sheet No:

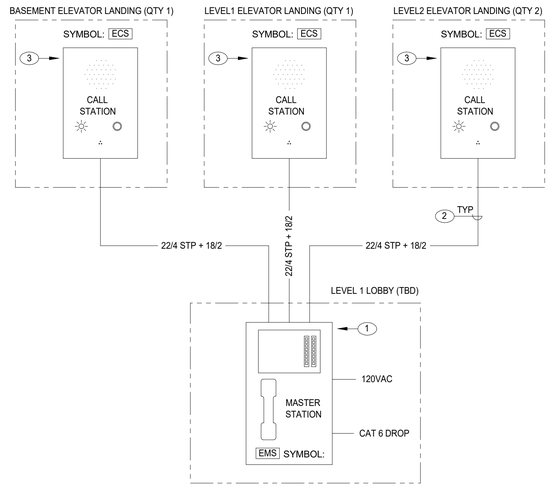
T0.02

2-WAY LANDING COMM GENERAL NOTES

1. PROVIDE 2-WAY COMMUNICATION SYSTEM BETWEEN THE ELEVATOR LANDINGS AND LEVEL 1 LOBBY. PROVIDE FLUSH MOUNTED HANDS FREE PUSH BUTTON CALL STATIONS AT THE ELEVATOR LOBBIES. WHEN A CALL IS INITIATED FROM THE ELEVATOR LOBBY CALL STATIONS, THE CALL SHALL BE PLACED TO THE MASTER STATION. IF THE CALL IS NOT ANSWERED AT THE MASTER STATION AFTER A PRESET NUMBER OF RINGS, THE MASTER STATION SHALL REDIRECT THE CALL TO 911. THE MASTER STATION SHALL BE CAPABLE OF PLACING CALLS TO THE ELEVATOR LOBBY CALL STATIONS.

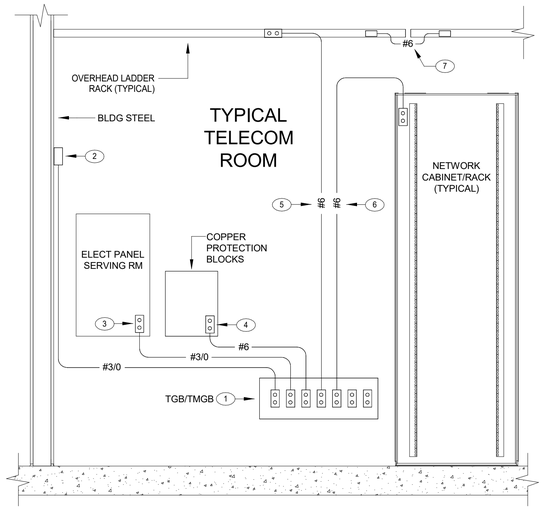
2-WAY LANDING COMM SHEET NOTES

1. FLUSH WALL MOUNTED MASTER STATION LOCATED IN LEVEL 1 LOBBY (LOCATION TBD). INSTALL CAT 6 CABLE FROM MASTER STATION TO BASEMENT MDF ROOM FOR CONNECTION TO OUTSIDE TELEPHONE LINE.
2. INSTALL QTY (1) 22/4 SHIELDED TWISTED PAIR PLENUM CABLE AND QTY (1) 18/2 PLENUM CABLE FROM MASTER STATION TO EACH ELEVATOR LOBBY CALL STATION.
3. FLUSH WALL MOUNTED HANDS FREE PUSH BUTTON CALL STATION MOUNTED AT ELEVATOR LANDINGS WITH CLEAR PLASTIC COVER. BUTTON ON CALL STATION TO BE MOUNTED BETWEEN 42" AND 48" AFF. INSTALL "AREA OF RESCUE" SIGN ADJACENT TO CALL STATION MOUNTED +60" AFF.



4 T0.03 ELEVATOR LANDING 2-WAY COMM SYSTEM

SCALE: NONE



3 T0.03 TELECOM ROOM GROUNDING DIAGRAM

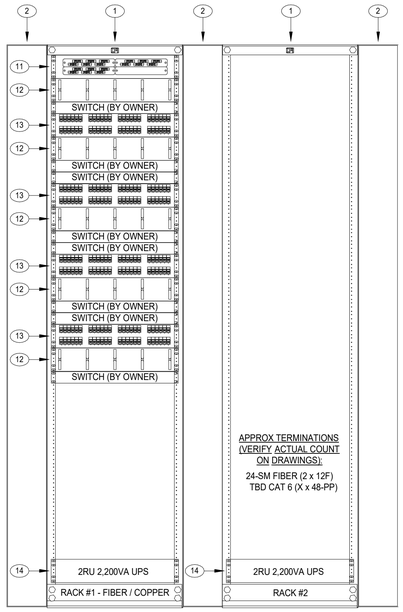
SCALE: NONE

TELECOM GROUNDING 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.

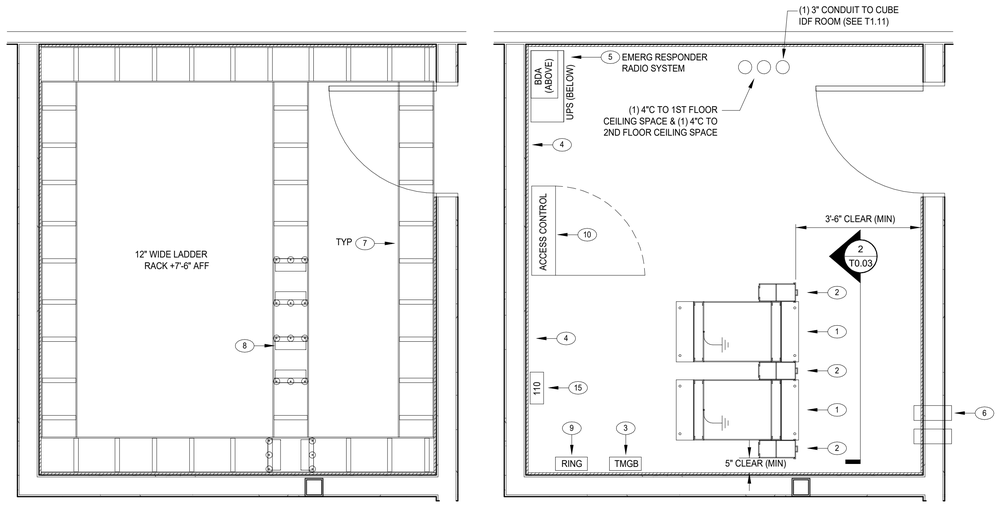
TELECOM GROUNDING SHEET NOTES

1. UL LISTED BICSI PATTERNED COPPER TELECOM ROOM GROUND BAR W/INSULATED STAND OFFS (SEE 4/T0.02).
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 PANEL SERVING TELECOM 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 NETWORK EQUIPMENT RACK. INSTALL SEPARATE GROUND CONDUCTORS FOR EACH RACK (DO NOT DAISY CHAIN GROUND CONDUCTORS).
7. #6 GROUND STRAP TO BOND SECTIONS OF LADDER RACK TOGETHER.



2 T0.03 TELECOM RACK ELEVATIONS

SCALE: NONE



1 T0.03 BASEMENT MDF RM H015 ENLARGED PLAN

SCALE: 1/2" = 1'-0"

TELECOM ROOM SHEET NOTES

1. UL LISTED 4-POST RACK WITH SQUARE PUNCHED EQUIPMENT MOUNTING ANGLES. BOLT RACKS TO CONCRETE WITH (4) 1/2" DIAMETER CONCRETE EXPANSION ANCHORS WITH MINIMUM 3" EMBEDMENT DEPTH. SECURE TOP OF RACKS TO OVERHEAD LADDER RACK WITH 12" HIGH CABLE RUNWAY ELEVATION KIT. INSTALL #6 GROUND WIRE FROM RACK TO GROUND BAR (PROVIDE A SEPARATE DEDICATED GROUND CONDUCTOR FOR EACH RACK - DO NO DAISY CHAIN GROUND CONDUCTORS). PROVIDE MANUFACTURER RACK GROUNDING KIT TO ENABLE GROUND LUG ATTACHMENT TO RACK. PROVIDE BASE DUST COVER WITH EACH RACK. PROVIDE QTY (50) CAGE NUTS WITH EACH RACK TO ALLOW DEVICES WITH STANDARD MOUNTING HOLES TO MOUNT IN SQUARE PUNCHED RAILS.
2. 7'-0" HIGH X 6" WIDE VERTICAL CABLE MANAGER.
3. 1/4" X 4" X 20" BICSI PATTERNED COPPER TELECOM GROUNDING BUSBAR W/INSULATED STANDOFFS (SEE 4/T0.02 AND 3/T0.03).
4. 3/4" FIRE TREATED AC PLYWOOD (TYPICAL ALL 4 WALLS). RUN PLYWOOD SHEETS VERTICALLY FROM 6" AFF TO 8'-6". PAINT PLYWOOD WITH 2 COATS OF WHITE PAINT. MASK FIRE TREATMENT LABELS ON PLYWOOD PRIOR TO PAINTING.
5. EMERGENCY RESPONDER RADIO SYSTEM EQUIPMENT (SEE X/T0.0X).
6. 4" SLEEVES THROUGH WALL FOR ROUTING OF HORIZONTAL CAT 6 CABLING. INSTALL QTY OF SLEEVES TO ACCOMMODATE ALL CABLING. DO NOT EXCEED 40% FILL.
7. 12" WIDE HORIZONTAL LADDER RACK AT 96" AFF. SECURE LADDER RACK TO WALL WITH MFG'S TRIANGULAR SUPPORT BRACKETS AT 4'-0" O.C. WHERE PLYWOOD DOES NOT EXIST, INSTALL SUPPORT BRACKET FASTENERS INTO METAL STUD FRAMING. SUPPORT LADDER RACK WITH THREADED ROD WHERE SPANS EXCEED 4'-0". BOND ALL SECTIONS OF LADDER RACK TOGETHER WITH BONDING JUMPERS AND BOND TO GROUND BAR W/#6 CONDUCTOR. INSTALL BUTT SPLICES BETWEEN ENDS OF HORIZONTAL LADDER RACK. USE MFG'S CORNER CLAMPS AT PERPENDICULAR INTERSECTION OF LADDER RACK.
8. PROVIDE QTY (2) CABLE RUNWAY RADIUS DROPS ABOVE EACH VERTICAL CABLE MANAGER TO MAINTAIN CABLE BEND RADIUS. COORDINATE LAYOUT OF OVERHEAD LADDER RACK CROSS MEMBERS SO THAT RADIUS DROPS ARE LOCATED DIRECTLY ABOVE VERTICAL CABLE MANAGERS. WHERE CROSS MEMBERS CONFLICT WITH THE VERTICAL CABLE MANAGERS, CUT AND REMOVE CROSS MEMBERS AND REPLACE WITH REMOVABLE CROSS MEMBERS. WHERE RADIUS DROPS ARE CONNECTED TO REMOVABLE CROSS MEMBERS, INSTALL CUSTOM RADIUS DROPS.
9. 24" DIAMETER WALL MOUNTED "RE-CLOSEABLE" BACKBONE CABLING STORAGE RINGS WITH INTEGRAL VELCRO LOOP FASTENERS.
10. ACCESS CONTROL PANEL AND POWER SUPPLY CABINET (BELOW). SEE 1/T0.04.
11. 2RU 4-CASSETTE SLOT FIBER TERMINATION CABINET. SEE 7/T0.02 FOR BACKBONE FIBER ONELINE DIAGRAM.
12. 2RU CABLE MANAGER WITH HINGED DOORS.
13. 48-PORT CAT 6 PATCH PANEL.
14. 2RU UPS WITH IP MANAGEMENT MODULE.
15. 100-PAIR WALL MOUNTED CAT 5E 110 BLOCKS. SEE 7/T0.02 FOR BACKBONE COPPER ONELINE DIAGRAM.

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CD

REVISIONS		
REV	DATE	DESCRIPTION

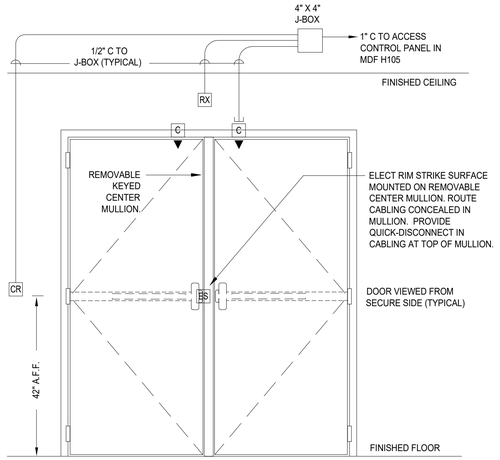
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ENLARGED TELECOM ROOM DETAILS

Date: SEPTEMBER 23 2022

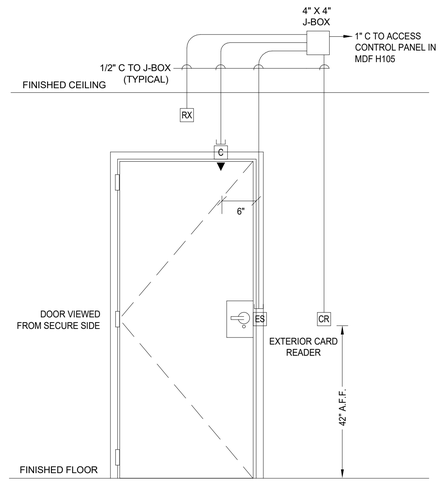
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T0.03



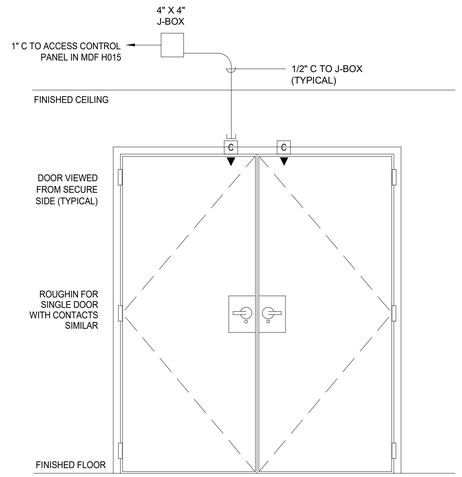
4 T0.04 DOUBLE DOOR CARD READER IN W/ELECTRIC RIM STRIKE

SCALE: N.T.S.



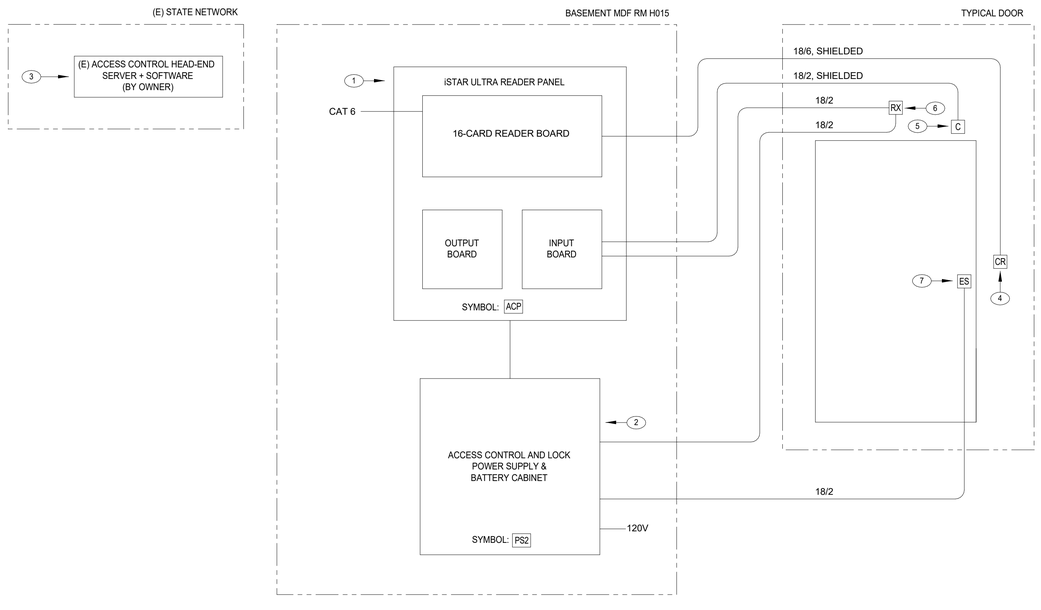
3 T0.04 SINGLE DOOR CARD READER IN W/ELECTRIC STRIKE

SCALE: N.T.S.



2 T0.04 DOUBLE DOOR WITH CONTACTS

SCALE: N.T.S.



1 T0.04 ACCESS CONTROL SYSTEM ONELINE DIAGRAM

SCALE: NONE

ACCESS CONTROL SYSTEM GENERAL NOTES

1. THE CONTRACTOR MUST BE A SOFTWARE HOUSE CERTIFIED PARTNER AND HAVE THE NECESSARY CERTIFICATIONS TO PURCHASE, INSTALL AND CONFIGURE THE SPECIFIED SOFTWARE HOUSE CCURE 9000 EQUIPMENT AND SOFTWARE.
2. THE CONTRACTOR MUST MAINTAIN A 24/7 CALL CENTER AND SHALL RESPOND WITHIN FOUR (4) BUSINESS HOURS OF RECEIPT OF A SERVICE CALL. CONTRACTOR SHALL PROVIDE ON-SITE RESPONSE TIME OF ONE (1) BUSINESS DAY FOR REPAIR OF CRITICAL SYSTEM ITEMS DURING NORMAL BUSINESS HOURS. SEE SPECIFICATIONS FOR ADDITIONAL CONTRACTOR QUALIFICATIONS.
3. SEE TELECOM FLOOR PLANS FOR ACCESS CONTROL DEVICES AT EACH DOOR.
4. 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.
5. 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, I/O BOARDS, ADD-IN BOARDS, POWER SUPPLIES, BATTERY CHARGERS, FUSES, RELAYS, BATTERIES, NETWORK OUTLETS, ELECTRICAL OUTLETS, CABLE MANAGEMENT WIREWAYS, FANS, ETC.
6. 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.
7. SUBMIT BATTERY CALCULATIONS FOR APPROVAL. BATTERIES SHALL BACKUP THE ENTIRE SYSTEM FOR A MINIMUM OF 4 HOURS.
8. ALL ACCESS CONTROL CABLING IS TO BE ROUTED IN CONDUIT FROM THE DOORS TO THE ACCESS CONTROL PANEL LOCATED IN THE TELECOM ROOM.
9. WHERE CABLING IS ROUTED IN UNDERGROUND CONDUIT, PROVIDE OUTDOOR RATED CABLE SUITABLE FOR WET UNDERGROUND DUCT INSTALLATION.

ACCESS CONTROL SYSTEM SHEET NOTES

1. DOOR ACCESS CONTROL PANEL INCLUDING CONTROLLERS, CARD READER BOARDS AND I/O MODULES MOUNTED IN LOCKABLE ENCLOSURE WITH TAMPER SWITCH (SOFTWARE HOUSE iSTAR ULTRA). PROVIDE QUANTITY OF READER BOARDS AND I/O BOARDS TO ACCOMMODATE ALL FIELD DEVICES PLUS 20% SPARE CAPACITY. PROVIDE NETWORK CONNECTION TO LAN VIA CAT 6 DATA DROP.
2. POWER SUPPLIES, BATTERY CHARGERS AND BATTERIES MOUNTED IN LOCKABLE ENCLOSURE WITH TAMPER SWITCH.
3. ACCESS CONTROL SYSTEM HEAD-END SERVER, SOFTWARE AND LICENSING (BY OWNER).
4. PROXIMITY / CONTACTLESS SMART CARD READER. PROVIDE NARROW MULLION MOUNT READERS WHERE MOUNTED ON STORE FRONT.
5. DOUBLE POLE DOUBLE THROW MAGNETIC DOOR POSITION CONTACTS. NOTE - DOOR CONTACTS ON PERIMETER DOORS WITH ACCESS CONTROL SHALL BE CABLED TO BOTH THE ACCESS CONTROL SYSTEM AND THE INTRUSION DETECTION SYSTEM.
6. REQUEST-TO-EXIT (REX) MOTION DETECTOR.
7. ELECTRIC STRIKE (SEE ARCHITECTURAL DOOR HARDWARE SCHEDULE).

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Project
Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner
Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CD

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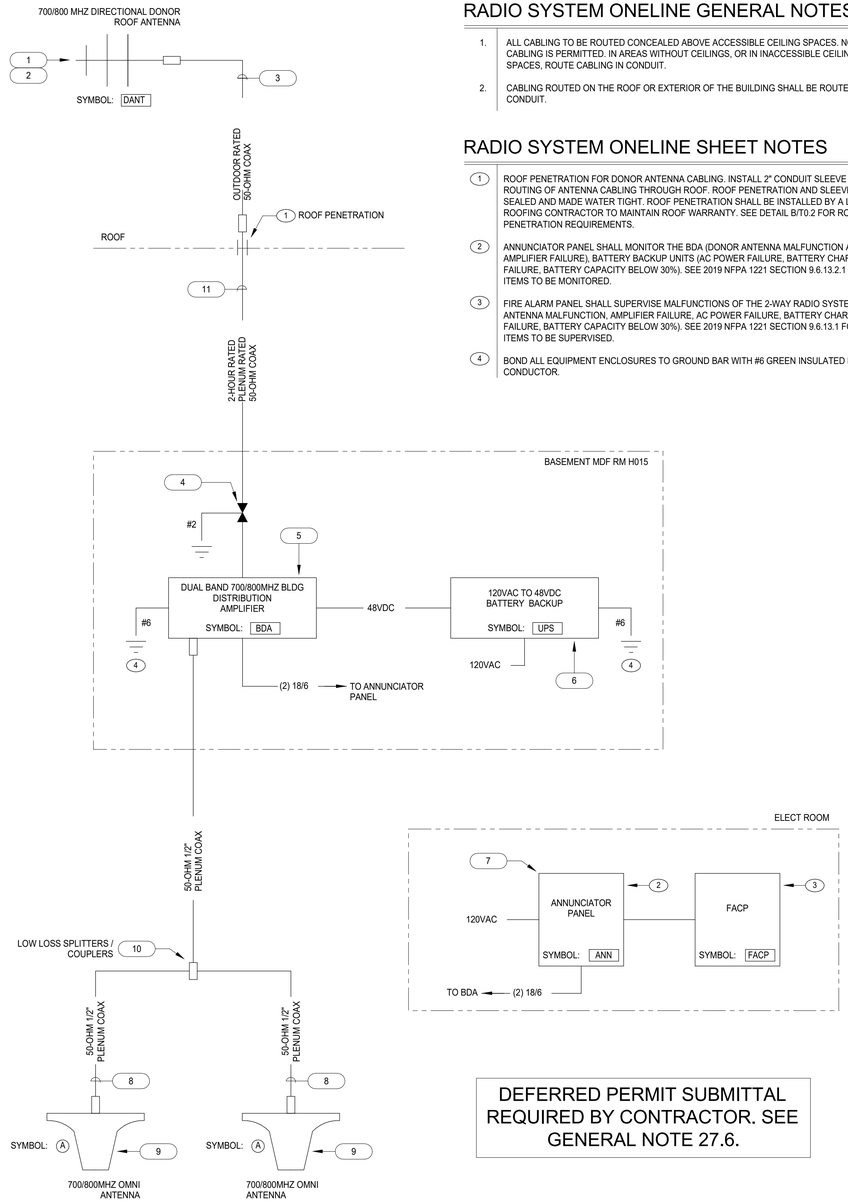
Sheet Title
DOOR ACCESS CONTROL DETAILS

Date: SEPTEMBER 23 2022
Sheet No:
T0.04

EMERGENCY RESPONDER RADIO SYSTEM GENERAL NOTES

ITEM	DESCRIPTION
27.1	STANDARDS AND CODES: ALL WORK SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH THE FOLLOWING CODES: 2017 NATIONAL ELECTRIC CODE (NEC). 2018 INTERNATIONAL FIRE CODE (IFC), SECTION 510. 2019 NFPA 1221. SYSTEM COMPONENTS AND OPERATION SHALL COMPLY WITH ALL APPLICABLE FEDERAL REGULATIONS, INCLUDING BUT NOT LIMITED TO, THE FEDERAL COMMUNICATIONS RULES SPECIFIED IN TITLE 47 OF THE FEDERAL CODE OF REGULATIONS, INCLUDING 47 CFR 90.219.
27.2	GENERAL REQUIREMENTS : PROVIDE A COMPLETE AND OPERABLE EMERGENCY RESPONDER RADIO SYSTEM TO AMPLIFY THE SMR (SPECIALIZED MOBILE RADIO) 700 MHZ AND 800 MHZ FREQUENCY BANDS SO THAT EMERGENCY RESPONDERS TO THE FACILITY WILL HAVE 2-WAY RADIO COMMUNICATIONS INSIDE THE BUILDING. THE RADIO SYSTEM SHALL BE COMPATIBLE AND SHALL COMMUNICATE WITH THE WASHOE COUNTY REGIONAL COMMUNICATION SYSTEM (WCRCS). 700 MHZ FREQUENCIES SHALL INCLUDE 769 MHZ TO 775 MHZ DOWNLINK AND 799 MHZ TO 805 MHZ UPLINK. 800 MHZ FREQUENCIES SHALL INCLUDE 806 MHZ TO 816 MHZ UPLINK AND 851 MHZ TO 861 MHZ DOWNLINK. THE COMPLETED RADIO SYSTEM SIGNAL LEVEL SHALL EXCEED -95 dBm AT 95% OF ALL AREAS ON EACH FLOOR OF THE BUILDING. 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 EMERGENCY RESPONDER RADIO SYSTEM AS SHOWN ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE ALL ANTENNAS, RACEWAY, PENETRATIONS, CABLING, SUPPORTS, CONNECTORS, TAPS, SPLITTERS, AMPLIFIERS, UPS'S, ELECTRONICS, ENCLOSURES, GROUNDING, INCIDENTAL ITEMS, ETC., TO PROVIDE A COMPLETE AND OPERABLE SYSTEM. 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.
27.3	CONTRACTOR QUALIFICATIONS : THE CONTRACTOR INSTALLING THE EMERGENCY RESPONDER RADIO 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 2018 IFC SECTION 510.5.2. CONTRACTOR SHALL BE CERTIFIED BY THE MANUFACTURER OF THE EQUIPMENT BEING INSTALLED. CONTRACTOR SHALL COMPLETE ALL MANUFACTURER TRAINING AS REQUIRED TO OBTAIN THIS 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 RADIO 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.
27.4	SYSTEM DESIGN: THE CONTRACTOR SHALL DESIGN THE EMERGENCY RESPONDER RADIO SYSTEM AND SHALL SUBMIT THE PROPOSED DESIGN TO THE LOCAL FIRE CODE OFFICIAL FOR REVIEW, APPROVAL & PERMIT. SYSTEM DESIGN SHALL MEET THE REQUIREMENTS OF 2018 IFC SECTION 510 AND 2019 NFPA 1221 SECTION 9.6.
27.5	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, SPLITTERS, COUPLERS, ETC. SUBMIT SHOP DRAWINGS 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. 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 SPLITTERS 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 CONFIRMING THAT CODE REQUIRED SIGNAL STRENGTH IS ACHIEVED THROUGHOUT ALL AREAS OF THE BUILDING.
27.6	DEFERRED PERMIT SUBMITTAL REQUIREMENTS : ONCE THE SUBMITTAL ITEMS LISTED ABOVE ARE REVIEWED AND APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL SUBMIT THE EMERGENCY RESPONDER RADIO SYSTEM DESIGN TO THE LOCAL FIRE CODE OFFICIAL FOR REVIEW AND PERMIT.
27.7	RACEWAY, SUPPORTS AND CONCEALMENT : THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, SUPPORT AND SEISMIC BRACING OF ALL RACEWAY AS REQUIRED TO ROUTE EMERGENCY RESPONDER RADIO 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 EXISTING STRUCTURE AND MEP UTILITIES. REROUTE CABLE AS REQUIRED TO COORDINATE WITH EXISTING CONDITIONS. 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. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL WALL AND CEILING MOUNTED ACCESS DOORS REQUIRED TO PROVIDE REASONABLE ACCESS FOR THE INSTALLATION OF ANTENNA CABLING. ALL CABLING SHALL BE ROUTED CONCEALED ABOVE ACCESSIBLE CEILING SPACES OR IN MECHANICAL PLATFORM SPACES ABOVE CORRIDOR CEILINGS (WHERE EXISTS). 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.

ITEM	DESCRIPTION
27.8	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.
27.9	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 GROUND BARS, SURGE ARRESTORS AND BONDING CONDUCTORS.
27.10	ANTENNA CABLING AND TERMINATIONS : IN-BUILDING ANTENNA CABLING ROUTED BETWEEN THE BUILDING DISTRIBUTION AMPLIFIER 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. 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. CABLING SHALL BE TERMINATED WITH "N" TYPE RF CONNECTORS. IN-BUILDING DONOR ANTENNA 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. 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.
27.11	DONOR ANTENNA: CONTRACTOR SHALL FURNISH AND INSTALL ROOF MOUNTED 700MHZ AND 800MHZ DONOR ANTENNA. CONTRACTOR SHALL MEASURE THE SIGNAL STRENGTH OF THE "DISTANT" 700 AND 800 MHZ PUBLIC SAFETY DONOR SITE AND SHALL SELECT THE APPROPRIATE DIRECTIONAL ANTENNA TO AMPLIFY THE SIGNAL (ANTENNAS SHALL HAVE A MINIMUM GAIN OF 11DB). CONTRACTOR SHALL DETERMINE THE OPTIMAL INSTALLATION HEIGHT FROM THE TOP OF THE ROOF AND SHALL SELECT AND INSTALL AN APPROPRIATE ANTENNA MAST. SUPPORT FRAME AND BALLAST 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. FRAMES SHALL BE NON-PENETRATING "BALLAST" TYPE. THE CONTRACTOR SHALL MINIMIZE THE AMOUNT OF ANTENNA CABLE ROUTED ON THE ROOF AS IT INTERFERES WITH FUTURE RE-ROOFING PROJECTS. CONTRACTOR TO PROVIDE NON-PENETRATING CABLE SUPPORTS COMPATIBLE WITH THE ROOFING MATERIAL (B-LINE DURA-BLOK OR EQUAL).
27.12	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 EXISTING CEILINGS AND MEP EQUIPMENT.
27.13	ROOF PENETRATIONS : ALL ROOF PENETRATIONS SHALL BE INSTALLED BY A CERTIFIED ROOFING CONTRACTOR SO AS TO MAINTAIN THE EXISTING ROOF WARRANTY. THE CERTIFIED ROOFING CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR AS NECESSARY TO PROPERLY SEAL AND MAKE WEATHER TIGHT ALL ROOF PENETRATIONS.
27.14	EMERGENCY RESPONDER RADIO ELECTRONIC EQUIPMENT : 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, ETC. THE EMERGENCY RESPONDER RADIO 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 AND NFPA REQUIREMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND PERFORMANCE OF THE SYSTEM INCLUDING ALL EQUIPMENT, ANTENNA'S, RACEWAY AND CABLING. UNINTERRUPTIBLE POWER SUPPLIES SHALL BACKUP THE ENTIRE EMERGENCY RESPONDER RADIO 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 NEMA 4X WATERPROOF ENCLOSURES. 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 RADIO EQUIPMENT IN THE TELECOMMUNICATIONS ROOMS WITH EXISTING EQUIPMENT.
27.15	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 2019 NFPA SECTION 9.6.13.2. ALL MONITORED SYSTEM POINTS SHALL BE SUPERVISED BY THE FIRE ALARM SYSTEM PER 2019 NFPA 1221 SECTION 9.6.13.1.
27.16	LABELING, TESTING AND CERTIFICATION : ALL COMPONENTS OF THE EMERGENCY RESPONDER RADIO SYSTEM SHALL BE LABELED. IN-BUILDING ANTENNA CABLES SHALL BE LABELED AT BOTH ENDS INDICATING THE ANTENNA NUMBER AND AT ALL PULL BOX LOCATIONS. ALL ANTENNA CABLING SHALL BE TESTED AND CERTIFIED. 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 A MINIMUM RADIO SIGNAL STRENGTH INSIDE THE BUILDING. ACCEPTANCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH 2018 IFC SECTION 510.5.3 AND 2019 NFPA 1221 SECTION 11.3.9.
27.17	AS-BUILT DRAWINGS: PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL PROVIDE ONE SET OF AS-BUILT CONSTRUCTION DOCUMENTS IN ELECTRONIC 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.
27.18	GUARANTEE: THE COMPLETE EMERGENCY RESPONDER RADIO 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.
27.19	SUBSTANTIAL COMPLETION : THE FOLLOWING ARE PREREQUISITES FOR SUBSTANTIAL COMPLETION EMERGENCY RESPONDER RADIO SYSTEM: ALL WORK COMPLETED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PUNCH LIST ITEMS COMPLETED AND SIGNED OFF, 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.



RADIO SYSTEM ONELINE GENERAL NOTES

1. ALL CABLING TO BE ROUTED CONCEALED ABOVE ACCESSIBLE CEILING SPACES. NO EXPOSED CABLING IS PERMITTED. IN AREAS WITHOUT CEILINGS, OR IN INACCESSIBLE CEILING OR WALL SPACES, ROUTE CABLING IN CONDUIT.
2. CABLING ROUTED ON THE ROOF OR EXTERIOR OF THE BUILDING SHALL BE ROUTED IN CONDUIT.

RADIO SYSTEM ONELINE SHEET NOTES

1. ROOF PENETRATION FOR DONOR ANTENNA CABLING. INSTALL 2" CONDUIT SLEEVE FOR ROUTING OF ANTENNA CABLING THROUGH ROOF. ROOF PENETRATION AND SLEEVE TO BE SEALED AND MADE WATER TIGHT. ROOF PENETRATION SHALL BE INSTALLED BY A LICENSED ROOFING CONTRACTOR TO MAINTAIN ROOF WARRANTY. SEE DETAIL B/T0.2 FOR ROOF PENETRATION REQUIREMENTS.
2. ANNUNCIATOR PANEL SHALL MONITOR THE BDA (DONOR ANTENNA MALFUNCTION AND AMPLIFIER FAILURE), BATTERY BACKUP UNITS (AC POWER FAILURE, BATTERY CHARGER FAILURE, BATTERY CAPACITY BELOW 30%). SEE 2019 NFPA 1221 SECTION 9.6.13.2.1 FOR LIST OF ITEMS TO BE MONITORED.
3. FIRE ALARM PANEL SHALL SUPERVISE MALFUNCTIONS OF THE 2-WAY RADIO SYSTEM (DONOR ANTENNA MALFUNCTION, AMPLIFIER FAILURE, AC POWER FAILURE, BATTERY CHARGER FAILURE, BATTERY CAPACITY BELOW 30%). SEE 2019 NFPA 1221 SECTION 9.6.13.1 FOR LIST OF ITEMS TO BE SUPERVISED.
4. BOND ALL EQUIPMENT ENCLOSURES TO GROUND BAR WITH #6 GREEN INSULATED BONDING CONDUCTOR.

DEFERRED PERMIT SUBMITTAL REQUIRED BY CONTRACTOR. SEE GENERAL NOTE 27.6.

1 T0.05 EMERGENCY RESPONDER RADIO ONELINE DIAGRAM

SCALE: NONE

EMERGENCY RESPONDER RADIO SYSTEM EQUIPMENT LIST

ITEM	QTY	DESCRIPTION	MFG	PART NUMBER
1	1	700/800 MHZ DONOR ANTENNA	COMPROD	980-70*5
2	1	DONOR ANTENNA ROOF MAST SUPPORT & 3/8" THICK PAD	ROHN	FRM225 + FRMPAD
3	1	OUTDOOR RATED 1/2" 50 OHM COAX ANTENNA CABLING	COMMSCOPE	LDF4RK-50A
4	1	ANTENNA CABLING SURGE PROTECTOR + GROUNDING	POLYPHASER	GT-NFF-AL
5	1	BUILDING DISTRIBUTION AMPLIFIER (BDA) 700/800MHZ CLASS B	COMBA	RX7W22-78B33348
6	1	UPS 480W 100AH (FOR BDA AND FIBER DISTRIBUTION UNIT)	NEWMAR	PE-48V-480W-100AH
7	1	DEDICATED ANNUNCIATOR PANEL WITH BATTERY BACKUP	DASALERT	1221-B
8	LS	INTERIOR PLENUM RATED 1/2" 50 OHM COAX ANTENNA CABLING	RFS	ICA12-50JPL
9	TBD	INDOOR CEILING DOME ANTENNAS 700/800MHZ	LAIRD	CFSA69383P-30NF
10	LS	ANTENNA CABLING SPLITTERS AND TAPS (DESIGN BY CONTRACTOR)	VARIOUS	VARIOUS
11	LS	INTERIOR 2-HR PLENUM RATED 1/2" 50 OHM COAX ANTENNA CABLING	AMERICAN FIRE WIRE	AFW-2HFR-3

EMERGENCY RESPONDER RADIO SYSTEM EQUIP SCHEDULE

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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REV	DATE	DESCRIPTION

Sheet Title

EMERGENCY RESPONDER RADIO DETAILS

Date: SEPTEMBER 23 2022

Sheet No:

T0.05

TO BE DETERMINED

3 T0.06 NETWORK VIDEO RECORDER SCHEDULE

SCALE: NONE

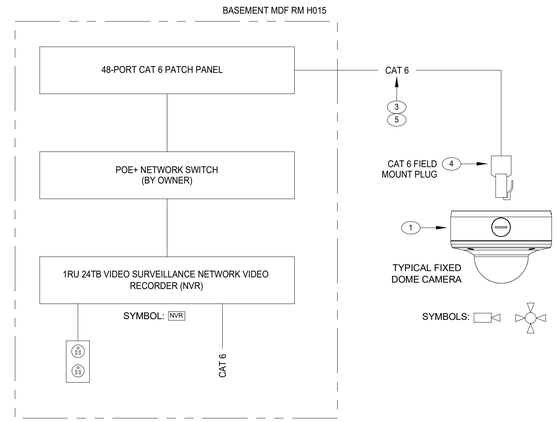
TO BE DETERMINED

2 T0.06 CCTV CAMERA SCHEDULE

SCALE: NONE

IP VIDEO SURVEILLANCE CAMERA ONELINE SHEET NOTES

1. FURNISH AND INSTALL VANDAL RESISTANT IP VIDEO SURVEILLANCE CAMERAS. SEE CAMERA SCHEDULE FOR CAMERA AND MOUNT REQUIREMENTS.
2. NETWORK VIDEO RECORDER RACK MOUNTED IN MDF TELECOM RACK. CONFIGURE CAMERAS TO RECORD TO NVR PER OWNER REQUIREMENTS.
3. FURNISH, INSTALL AND TERMINATE QTY (1) PLENUM RATED CAT 6 CABLE (CABLE JACKET COLOR BLACK) FROM EACH IP SURVEILLANCE CAMERA TO THE NEAREST TELECOM ROOM.
4. TERMINATE CAT 6 CABLES AT EACH END ON CAT 6 FIELD MOUNT PLUGS.
5. NO EXPOSED CAT 6 CABLING IS PERMITTED WITH THE EXCEPTION OF CABLING ROUTED WITHIN THE TELECOM ROOM. ALL CABLING TO BE ROUTED CONCEALED IN ACCESSIBLE CEILING SPACES ON J-HOOKS OR ROUTED IN CONDUIT.



1 T0.06 IP VIDEO SURVEILLANCE CAMERA ONELINE DIAGRAM

SCALE: NONE

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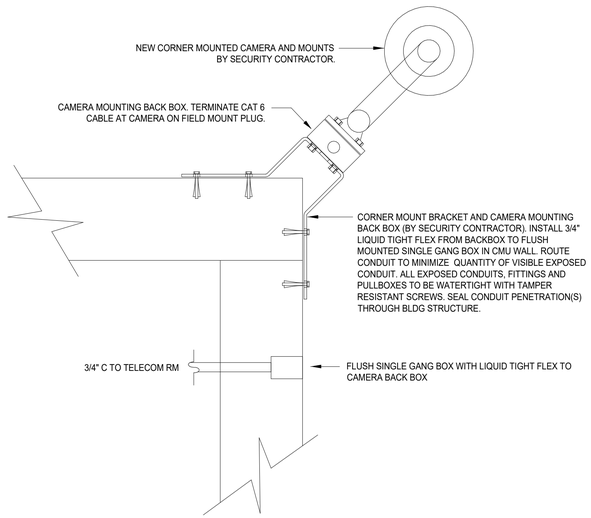
Sheet Title

CCTV DETAILS

Date: SEPTEMBER 23 2022

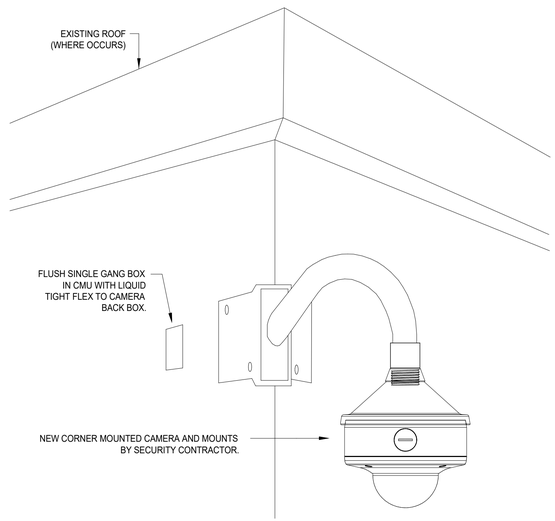
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T0.06



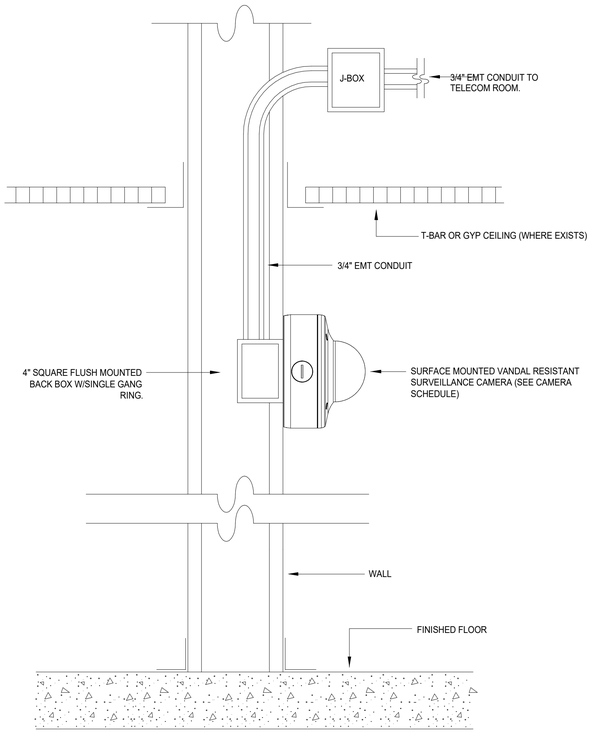
6 T0.07 CORNER MTD CAMERA (PLAN)

SCALE: NONE



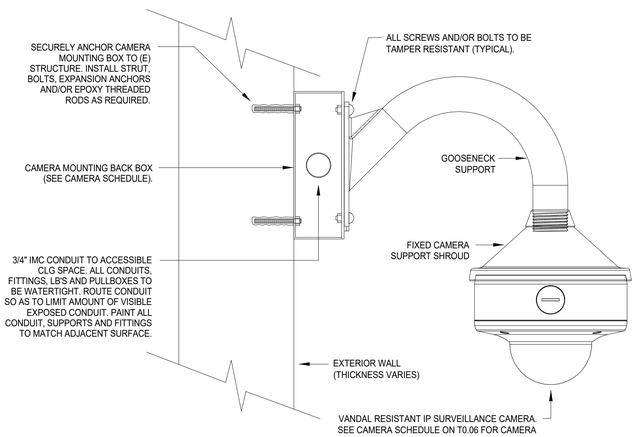
5 T0.07 CORNER MTD CAMERA (ELEV)

SCALE: NONE



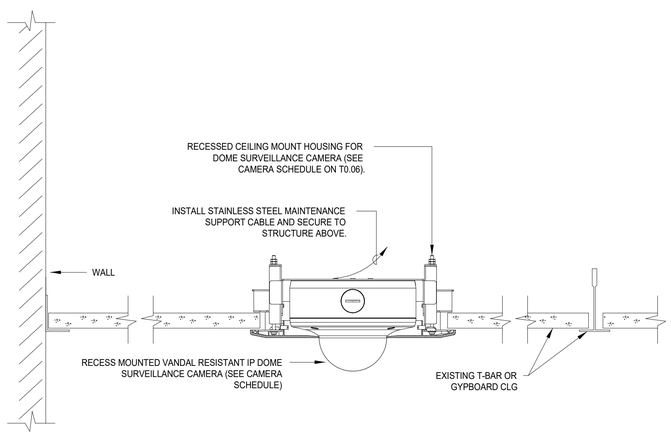
4 T0.07 INDOOR WALL MOUNTED DOME CAMERA

SCALE: NONE



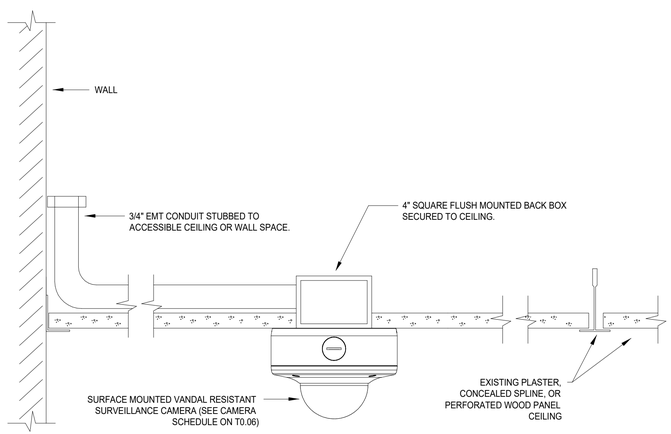
3 T0.07 EXTERIOR WALL MTD CAMERA

SCALE: NONE



2 T0.07 RECESSED CEILING MOUNTED CAMERA

SCALE: NONE



1 T0.07 SURFACE CEILING MOUNTED CAMERA

SCALE: NONE

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Project

Heroes Memorial Building & Annex

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Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

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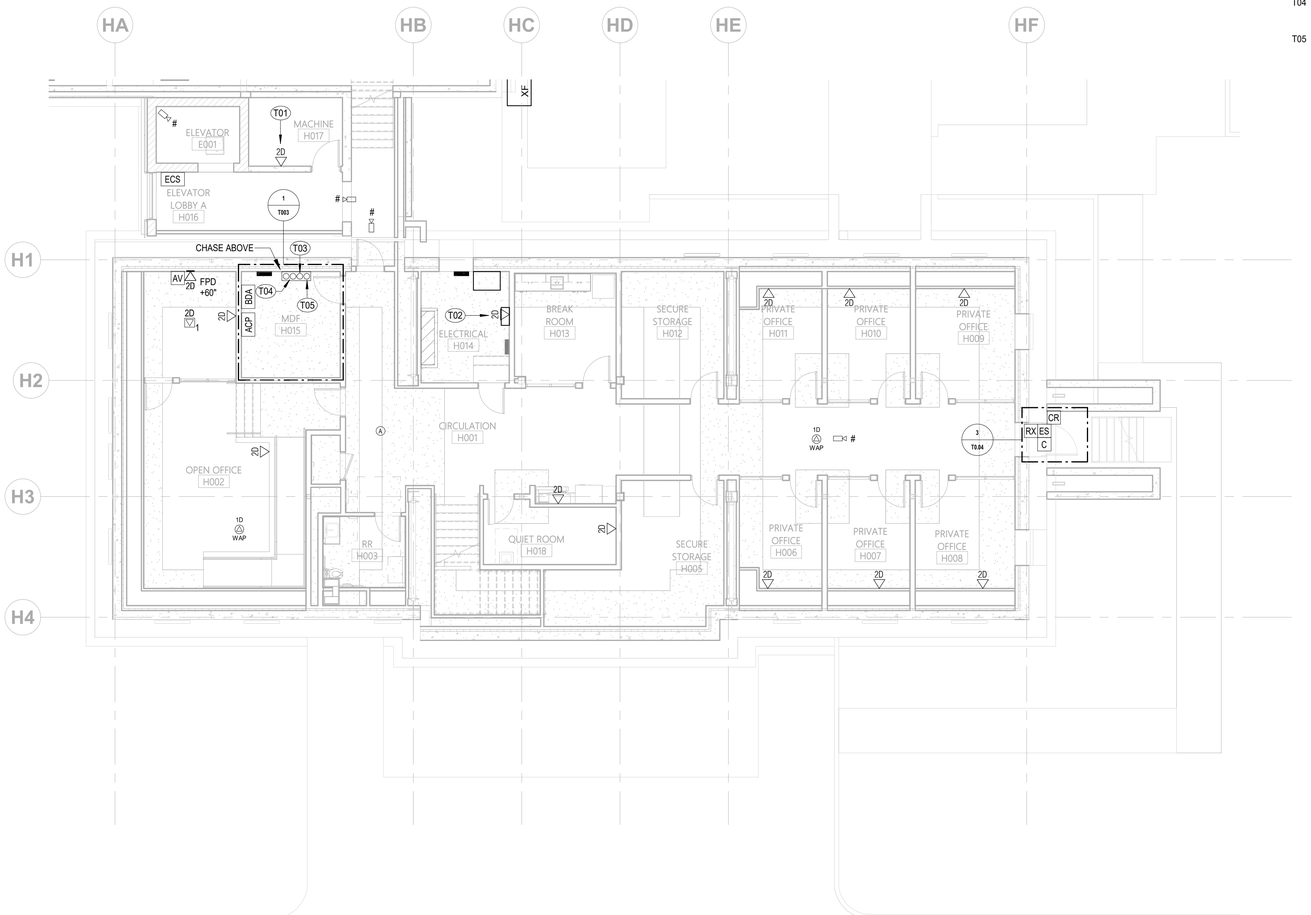
Sheet Title

CCTV MOUNTING DETAILS

Date: SEPTEMBER 23 2022

Sheet No:

T0.07



1 / T1.10 HEROES BASEMENT TELECOM PLAN

Scale: 1/8" = 1'-0"

GENERAL NOTES

(###) SHEET NOTES

T01 DATA DROPS FOR ELEVATOR CAB 2-WAY COMMUNICATION SYSTEM. COORDINATE EXACT MOUNTING LOCATION WITH ELEVATOR CONTRACTOR.

T02 DATA DROPS FOR FIRE ALARM PANEL. COORDINATE EXACT MOUNTING LOCATION WITH FIRE ALARM CONTRACTOR.

T03 QTY (1) 3" CONDUIT FROM BASEMENT MDF TO CUBE TELECOM ROOM FOR ROUTING OF BACKBONE FIBER AND COPPER CABLING. SEE T0.03 FOR BACKBONE CABLING.

T04 QTY (1) 4" CONDUIT FROM BASEMENT MDF TO LEVEL 1 CEILING SPACE FOR ROUTING OF CAT 6 CABLING. QTY (1) 4" CONDUIT FROM BASEMENT MDF TO LEVEL 2 CEILING SPACE FOR ROUTING OF CAT 6 CABLING.

T05 QTY (1) 2" CONDUIT FROM BASEMENT MDF TO ROOF FOR ROUTING OF EMERGENCY RESPONDER RADIO SYSTEM ANTENNA CABLE FROM BUILDING DISTRIBUTION AMPLIFIER (BDA) TO ROOF MOUNTED DONOR ANTENNA. STUB AND CAP CONDUIT ON ROOF WITH WEATHERHEAD.

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HEROES BASEMENT TELECOM PLAN

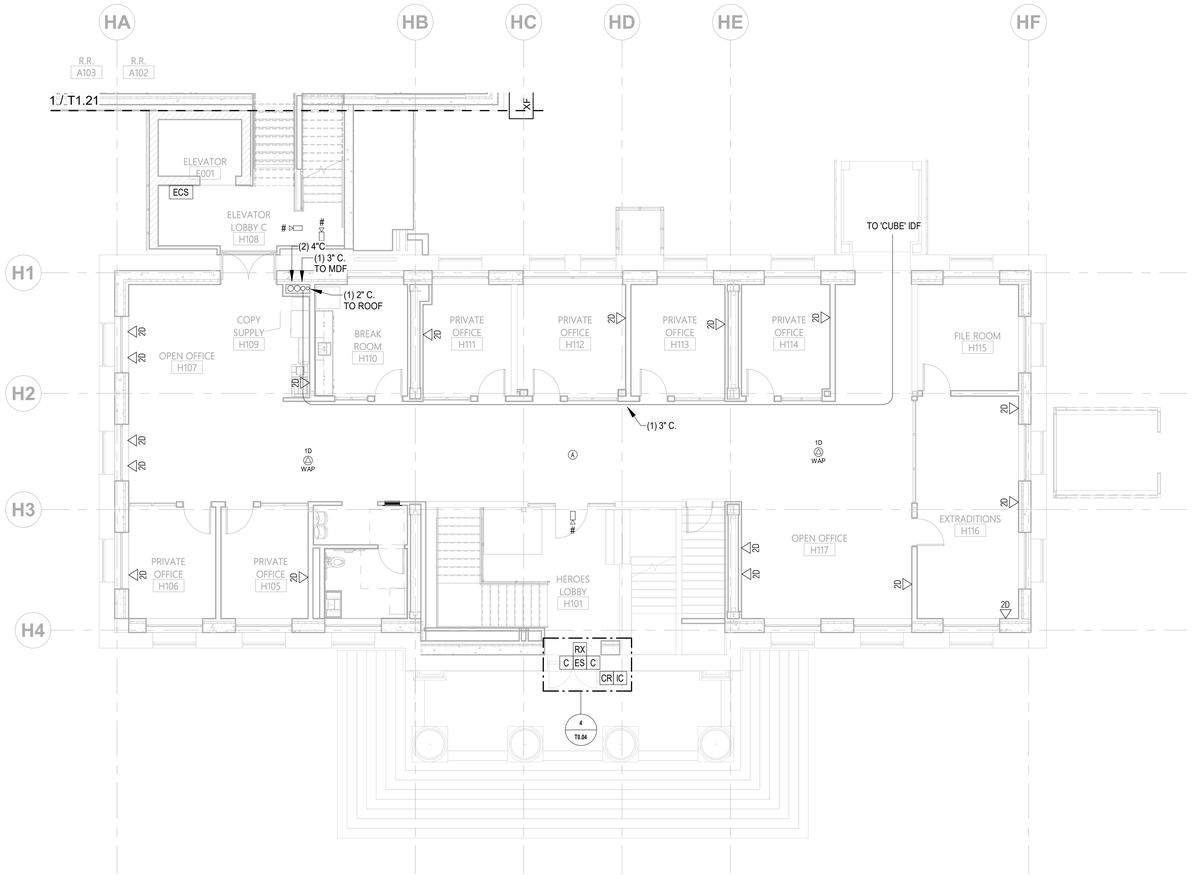
Date: SEPTEMBER 23 2022

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T1.10

GENERAL NOTES

(###) SHEET NOTES



1 T1.11 HEROES LEVEL 1 TELECOM PLAN

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HEROES LEVEL 1 TELECOM PLAN

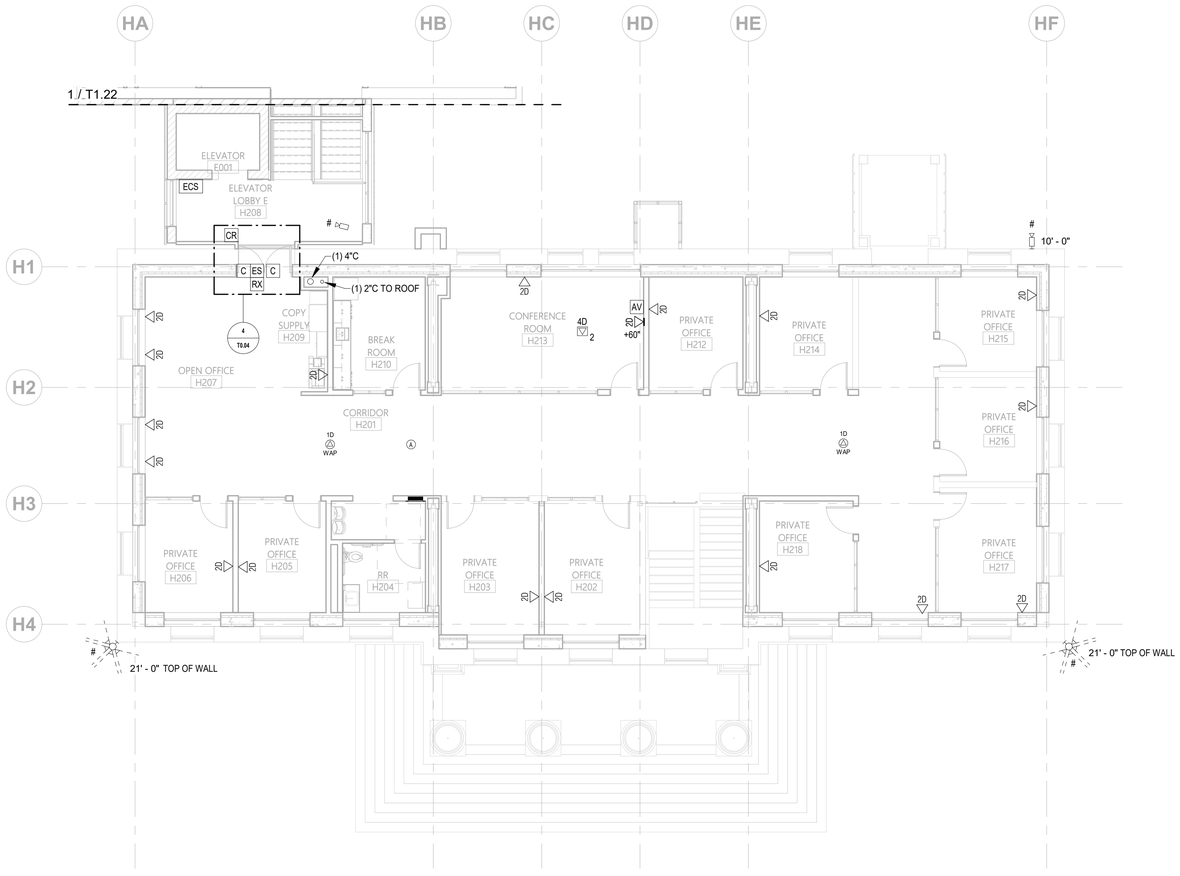
Date: SEPTEMBER 23 2022

Sheet No:

T1.11

GENERAL NOTES

SHEET NOTES



1 / T1.12 HEROES LEVEL 2 TELECOM PLAN

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Project

Heroes Memorial Building & Annex

198 South Carson Street
Carson City, NV 89701

Job No: 21-043

Owner

Nevada State Public Works Division

SPWD Site Number: 9917
SPWD Building Number (Heroes): 0244
SPWD Building Number (Annex): 2311

SPWD Project No. 21-P02

50% CD

REVISIONS

REV	DATE	DESCRIPTION

Sheet Title

HEROES LEVEL 2 TELECOM PLAN

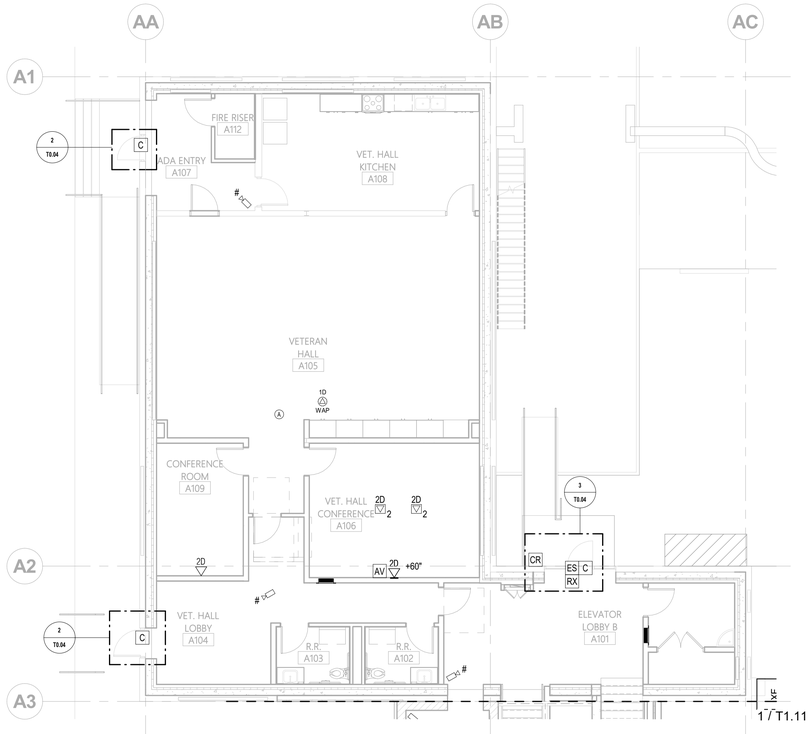
Date: SEPTEMBER 23 2022

Sheet No:

T1.12

GENERAL NOTES

(###) SHEET NOTES



1 / T1.21 ANNEX LEVEL 1 TELECOM PLAN

Scale: 1/8" = 1'-0"

tsk
225 South Arlington Avenue,
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Reno NV, 89501
phone: 775.857.2949
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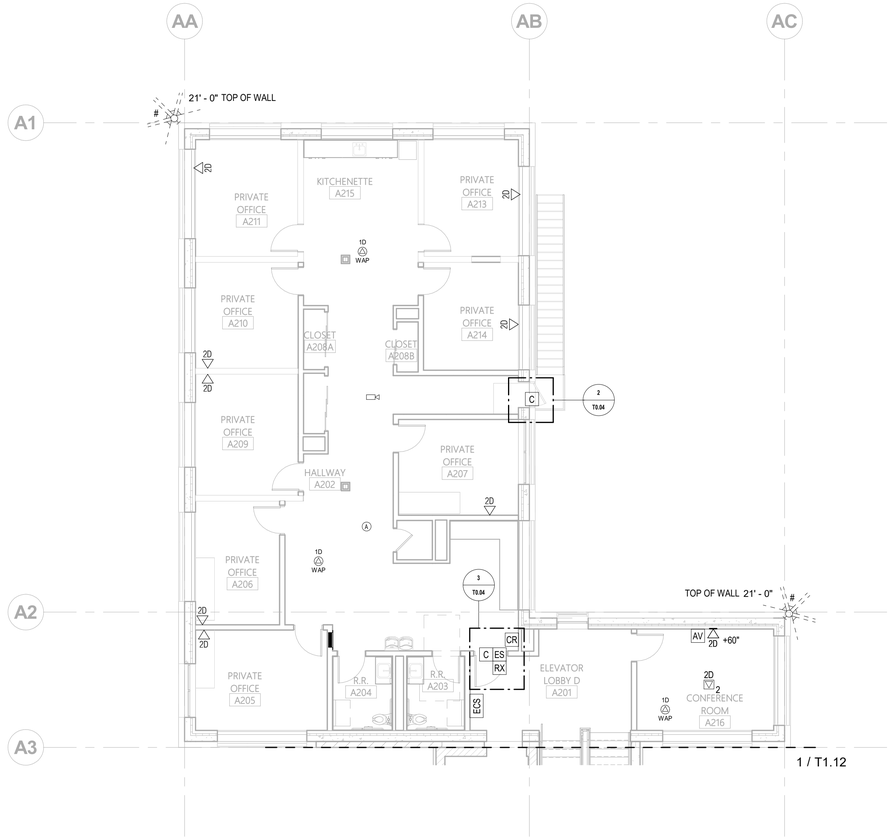
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GENERAL NOTES

(###) SHEET NOTES



1 T1.22 ANNEX LEVEL 2 TELECOM PLAN

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