

State Public Works Division

Materials Testing and Inspection Services Selection

for the

2025 Capital Improvement Program

FORMAL SELECTION PROCESS

Issue Date: March 2, 2026

SOQ Due Date: March 27, 2026

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CIP No.	Project Name
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25-C01	Southern Nevada Forensic Facility (Materials Testing and Inspection Services)
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**STATE PUBLIC WORKS DIVISION
REQUEST FOR
STATEMENT OF QUALIFICATIONS FOR PROFESSIONAL SERVICES**

The State Public Works Division (SPWD) is requesting Statements of Qualifications (SOQs) for providing Materials Testing and Inspection services (MT&I) performed with the intent to ensure building safety and compliance with the latest adopted edition of the International Building Code, the State Public Works Division's Adopted Standards, and good engineering practice. Materials testing and inspection services shall include evaluation of the properties of the construction materials used on the project, including both field and laboratory assessments. Materials testing and inspection services shall include, but not be limited to, evaluation of earthwork, concrete placement, structural masonry construction, field erection and welding or bolting of structural steel, structural reinforcing, spray-on fireproofing, and asphalt concrete lay-down. Required special inspections shall be performed by approved IBC-Certified personnel.

The MT&I activities of the selected Prime Service Provider must all be performed under the direction of and be sealed and signed by a registered professional in accordance with the Nevada Revised Statutes. Joint Venture arrangements will not be accepted. Only submissions from Prime Service Providers submitted in accordance with Part B will be accepted and evaluated. If the statement of qualifications includes sub-consultants or joint venture arrangements it will not be evaluated for selection. The Prime Service Provider, after selection, will produce a team of qualified individuals for the State to review. The State reserves the right to add or substitute any proposed firms according to the best interest of the project and the State. Only one statement of qualifications will be accepted in response to this RFQ. Any projects an applicant wishes to be considered for should be included within that document as required by Part A.

After the SOQs are evaluated for each project, the screening committee will establish a “short list” of qualified and experienced firms. Oral interviews will then be conducted with short-listed firms. An interview committee shall be established to render a recommendation to the SPWD Administrator. The interview committee will be composed of three SPWD members appointed by the SPWD Administrator and two employees of the Using Agency. The Administrator’s final approval will be posted, and direct notification will be provided.

The SOQ evaluation criteria include, but is not limited to:

1. Technical Competence
 - Qualifications and credentials of principals and key MT&I personnel
 - Relevance and completeness of applicable certifications and accreditations (ACI, ICC, NICET, WAQTC, Nevada licensure, laboratory accreditation, etc.)
 - Demonstrated capability to perform required special inspections and testing
2. Past Performance
 - Quality and reliability of performance on past MT&I projects
 - Responsiveness, accuracy, and timeliness of testing and inspection services
 - Evidence of effective communication, reporting, and resolution of Non-Compliance/Non-Conformance issues

3. Past Experience
 - Range and relevance of representative MT&I projects
 - Demonstrated experience performing similar scopes of work
 - Quality and relevance of project profiles
 - Experience of key staff performing comparable MT&I tasks
4. Proposed Project Approach
 - Clarity and feasibility of the construction-phase support plan
 - Effectiveness of scheduling, testing turnaround, reporting, and documentation processes
 - Strength of Non-Compliance/Non-Conformance reporting procedures
 - Ability to provide timely response, on-call coverage, and appropriate staffing
 - Integration of requirements from Special Inspection Plan Sheets S0.11–S0.12 (Appendix A)
 - Quality and accuracy of the Special Inspection & Testing Matrix (personnel assignment, certifications, availability)
5. Proximity and Familiarity with Location
 - Demonstrated knowledge of local conditions, agencies, and procedures
 - Ability to provide rapid mobilization and response times
 - Availability of local qualified personnel and equipment

Proposals must be submitted by email and to the SPWD Las Vegas office before the date and time listed on the schedule. Please email your SOQ submittal to Mike Brown at mcbrown@admin.nv.gov and provide five (5) hardcopies to the SPWD office at 7115 Amigo Street, STE 100, Las Vegas, NV 8911 Attn: Jessica Gonzalez.

Please direct questions about this request to Mike Brown at mcbrown@admin.nv.gov or (775) 434-3781.

Statement of Qualifications of Prospective Materials Testing and Inspection Firms

The Statement of Qualifications (SOQ) shall consist of five parts as outlined below: a cover letter, a firm profile, a representative list of projects, a portfolio of projects, and a proposed project approach. The SOQ shall be submitted in an 8 1/2" x 11" format.

Part A COVER LETTER (maximum 1 page)

The cover letter shall include the following:

- Introduction of key members of the Materials Testing and Inspection Service Provider and their roles.
- A list of 5 references, including names and telephone numbers, from the most recent 5 projects completed by the Prime Service Provider.
- Point of contact information including firm name, address, phone number, email, and web page (if available).
- Project name(s) and number(s) the Service Provider wishes to be considered for (also shown on the SOQ cover). This **shall** also be included on the cover of the SOQ.

Part B PRIME SERVICE PROVIDER PROFILE (maximum 3 pages)

- Provide the firm's profile including:
 - Names of principals and key personnel with relevant credentials.
 - Summary of certifications and accreditations applicable to materials testing and inspection (e.g., ACI, ICC, NICET, WAQTC, laboratory accreditation, Nevada licensure).

Part C REPRESENTATIVE LIST OF PROJECTS (maximum 3 pages)

Provide a list of representative projects showing the range of MT&I work performed. Include:

- Project name and location
- Client name
- Key testing/inspection staff involved
- Completion dates
- Construction value
- Summary of services performed

Part D PROJECT PORTFOLIO (maximum 3 pages per project)

Provide up to three (3) project profiles demonstrating the Service Provider's ability to perform MT&I services relevant to this project.

Each project profile shall include:

- Project name, location, and construction value
- Client name
- Relevant project dates
- Key MT&I personnel
- MT&I services provided

Part E

PROPOSED PROJECT APPROACH (maximum 10 pages)

The proposed project approach shall include:

- How the Service Provider supports the project during construction and ensures timely and accurate testing and inspection.
- Summary of processes for testing scheduling and turnaround, inspections and reporting, and Notice of Non-Compliance or Non-Conformance reporting.
- Required Special Inspection & Testing Matrix:
The Service Provider shall complete and submit a Special Inspection & Testing Matrix (see Appendix A for required inspection items). The matrix shall include, for each required inspection or test:
 - The specific testing or inspection requirement
 - Assigned personnel
 - Applicable certifications and/or licensure for each person
 - Availability of personnel, including response time and on-call coverage

Special inspection requirements are included in Appendix A (Plan Sheets S0.11–S0.12). Service Providers shall review these requirements when preparing the matrix and their approach.

2025 CIP MT&I Selection Schedule

SOQ's Due Date March 27, 2026

March 2, 2026- March 27, 2026	Request for Qualifications (RFQ) Advertisement Period
March 27, 2026	Qualifications Submittal Due (5:00 pm)
March 30, 2026 - April 2, 2026	Screening/ Shortlisting by SPWD
April 3, 2026	Shortlist Announcement
April 15, 2026	Interviews in Las Vegas (8:00 am) – SPWD Conference Room
April 16, 2026	Selection Announcement
July 14, 2026 (Tentative)	Contract for approval by Board of Examiners (BOE)

PROJECT NO: 25-C01

PROJECT LOCATION:

1371 South Jones Boulevard, Las Vegas, NV 89146

PROJECT NAME:

Southern Nevada Forensic Facility

DEPARTMENT: Human Services

AGENCY: Nevada Division of Public and Behavioral Health (DPBH)

BRIEF DESCRIPTION OF PROJECT SCOPE OF WORK:

This project will construct a 4-story, 327,000 sf, 298-bed psychiatric facility for forensic patients (mentally disordered criminal offenders) on the existing Department of Human Services campus in Las Vegas. The building will support both competency restoration patients and long-term commitments. The facility includes spaces for assessment, clinical services, therapy, offices, visitation, and a kitchen that supports multiple agencies on the campus.

Appendix A

(Plan Sheets S0.11–S0.12)

Schedule of Special Inspections

INSPECTION DEFINITIONS:

PERFORM: Perform these tasks for each weld, fastener or bolted connection, and noted verification.

OBSERVE: Observe these items on a random basis during the course of each work day to insure that applicable requirements of the code are being met. Operations need not be delayed pending these inspections at contractor's risk.

DOCUMENT: Document, with a report, that the work has been performed in accordance with the contract documents. This is in addition to any other reports required in the Special Inspections guide specification.

CONTINUOUS: The full-time observation of work requiring special inspection by an approved special inspector who is present in the area where the work is being performed.

PERIODIC: The part-time or intermittent observation of work requiring special inspection by an approved special inspector who is present in the area where the work has been or is being performed and at the completion of the work.

A. STRUCTURAL - STEEL - WELDING SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

STEEL INSPECTION PRIOR TO WELDING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 360-22: Table C-N5.4-1

TASK	INSPECTION TYPE	DESCRIPTION
1. Verify that the welding procedures specification (WPS) is available	PERFORM	
2. Verify manufacturer certifications for welding consumables are available	PERFORM	
3. Verify material identification	PERFORM	Type and grade.
4. Welder Identification System	PERFORM	
5. Fit-up of groove welds (including joint geometry)	OBSERVE	<ul style="list-style-type: none"> Joint preparation Dimensions (alignment, root opening, root face, bevel) Cleanliness (condition of steel surfaces) Tacking (tack weld quality and location) Backing type and fit (if applicable)
6. Fit-up of CJP groove welds of HSS T-, Y- & K-joints without backing (including joint geometry)	OBSERVE	<ul style="list-style-type: none"> Joint preparation Dimensions (alignment, root opening, root face, bevel) Cleanliness (condition of steel surfaces) Tacking (tack weld quality and location)
7. Configuration and finish of access holes	OBSERVE	
8. Fit-up of fillet welds	OBSERVE	<ul style="list-style-type: none"> Dimensions (alignment, gaps at root) Cleanliness (condition of steel surfaces) Tacking (tack weld quality and location)
9. Check welding equipment	OBSERVE	

STEEL INSPECTION DURING WELDING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 360-22: Table C-N5.4-2

TASK	INSPECTION TYPE	DESCRIPTION
10. Use of qualified welders	PERFORM	Welding by welders, welding operators, and tack welders who are qualified in conformance with requirements.
11. Control and handling of welding consumables	OBSERVE	<ul style="list-style-type: none"> Packaging Electrode atmospheric exposure control
12. No welding over cracked tack welds	OBSERVE	
13. Environmental conditions	OBSERVE	<ul style="list-style-type: none"> Wind speed within limits Precipitation and temperature
14. Welding Procedures Specification followed	OBSERVE	<ul style="list-style-type: none"> Settings on welding equipment Travel speed Selected welding materials Shielding gas type/flow rate Preheat applied Interpass temperature maintained (min./max.) Proper position (F, V, H, OH) Intermix of filler metals avoided
15. Welding techniques	OBSERVE	<ul style="list-style-type: none"> Interpass and final cleaning Each pass within profile limitations Each pass meets quality requirements

STEEL INSPECTION AFTER WELDING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 360-22: Table C-N5.4-3

TASK	INSPECTION TYPE	DESCRIPTION
16. Welds cleaned	OBSERVE	
17. Size, length, and location of all welds	PERFORM	Size, length, and location of all welds conform to the requirements of the detail drawings.
18. Welds meet visual acceptance criteria	PERFORM AND DOCUMENT	<ul style="list-style-type: none"> Crack prohibition Weld/base-metal fusion Crater cross section Weld profiles Weld size Undercut Porosity
19. Arc strikes	PERFORM	
20. k-area	PERFORM	When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks.
21. Weld access holes in rolled heavy shapes and built-up heavy shapes	PERFORM	
22. Backing removed, weld tabs removed and finished, and fillet welds added where required	PERFORM	
23. Repair activities	PERFORM AND DOCUMENT	
24. Document acceptance or rejection of welded joint or member	PERFORM	

B. STRUCTURAL - STEEL - BOLTING SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

STEEL INSPECTION TASKS PRIOR TO BOLTING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 360-22: Table C-N5.6-1

TASK	INSPECTION TYPE	DESCRIPTION
1. Manufacturer's certifications available for fastener materials	PERFORM	
2. Fasteners marked in accordance with ASTM requirements	OBSERVE	
3. Proper fasteners selected for joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	OBSERVE	
4. Proper bolting procedure selected for joint detail	OBSERVE	
5. Connecting elements, including appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	OBSERVE	
6. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	OBSERVE	
7. Proper storage provided for bolts, nuts, washers, and other fastener components	OBSERVE	

STEEL INSPECTION TASKS DURING BOLTING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 360-22: Table C-N5.6-2

TASK	INSPECTION TYPE	DESCRIPTION
8. Fastener assemblies of suitable condition, placed in all holes and washers (if required) are positioned as required	OBSERVE	
9. Joint brought to the snug-tight condition prior to pretensioning operation	OBSERVE	
10. Fastener component not turned by the wrench prevented from rotating	OBSERVE	
11. Bolts are pretensioned in accordance with RCSC Specification, progressing systematically from the most rigid point toward the free edges	OBSERVE	

STEEL INSPECTION TASKS AFTER BOLTING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 360-22: Table C-N5.6-3

TASK	INSPECTION TYPE	DESCRIPTION
12. Document acceptance or rejection of all bolted connections	DOCUMENT	

C. STRUCTURAL - STEEL - NON DESTRUCTIVE TESTING SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

NONDESTRUCTIVE TESTING OF WELDED JOINTS - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 360-22: Section N5.5

TASK	INSPECTION TYPE	DESCRIPTION
1. Use of qualified nondestructive testing personnel	PERFORM	Visual weld inspection and nondestructive testing (NDT) shall be conducted by personnel qualified in accordance with AWS D1.8 clause 7.2
2. CJP groove welds	OBSERVE	Dye penetrant testing (DT) and ultrasonic testing (UT) shall be performed on 20% of CJP groove welds for materials greater than 5/16" (8mm) thick. Testing rate must be increased to 100% if greater than 5% of welds tested have unacceptable defects.
3. Welded joints subject to fatigue	OBSERVE	Dye penetrant testing (DT) and Ultrasonic testing (UT) shall be performed on 100% of welded joints identified on contract drawings as being subject to fatigue.
4. Weld tab removal sites	OBSERVE	At the end of welds where weld tabs have been removed, magnetic particle testing shall be performed on the same beam-to-column joints receiving UT

D. STRUCTURAL - STEEL - AISC 341 REQUIREMENTS (SEISMIC PROVISIONS) SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

NONDESTRUCTIVE TESTING OF WELDED JOINTS - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 341-22: Section J6.2

TASK	INSPECTION TYPE	DESCRIPTION
1. CJP groove welds	OBSERVE	Dye penetrant testing (DT) and ultrasonic testing (UT) shall be performed on 100% of CJP groove welds for materials greater than 5/16" thick (8mm).
2. Beam cope and access hole.	OBSERVE	At welded splices and connections, thermally cut surfaces of beam copes and access holes shall be tested using magnetic particle testing (MT) or dye penetrant testing (DT), when the flange thickness exceeds 1/2 in. for rolled shapes, or when the web thickness exceeds 1/2 in. for built-up shapes.
3. Column splice and column to base plate PJP groove welds	PERFORM	Ultrasonic testing (UT) shall be performed on 100% of partial-joint-penetration (PJP) groove welds in column splices and column to base plate welds.
4. K-area NDT (AISC 341)	PERFORM	Where welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, the web shall be tested for cracks using magnetic particle testing (MT). The MT inspection area shall include the k-area base metal within 3-inches of the weld. The MT shall be performed no sooner than 48 hours following completion of the welding.
5. Placement of reinforcing or contouring fillet welds	DOCUMENT	

E. STRUCTURAL - STEEL - COMPOSITE CONSTRUCTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

COMPOSITE CONSTRUCTION PRIOR TO PLACING CONCRETE - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 360-22: Table N6.1, AISC 341-22: Table J9-1

TASK	INSPECTION TYPE	DESCRIPTION
1. Placement and installation of steel headed stud anchors	PERFORM	
2. Material identification of reinforcing steel (Type/Grade)	OBSERVE	
3. Determination of carbon equivalent for reinforcing steel other than ASTM A706	OBSERVE	
4. Proper reinforcing steel size, spacing, clearances, support, and orientation	OBSERVE	
5. Reinforcing steel has been tied and supported as required	OBSERVE	

F. STRUCTURAL - STEEL - OTHER INSPECTIONS
THIS SECTION APPLICABLE IF BOX IS CHECKED:

OTHER STEEL INSPECTIONS - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 341-22: Tables J8-1 & J10-1

TASK	INSPECTION TYPE	DESCRIPTION
1. Anchor rods and other embedments supporting structural steel	PERFORM	Verify the diameter, grade, type, and length of the anchor rod or embedded item, and the extent or depth of embedment prior to placement of concrete.
2. Fabricated steel or erected steel frame	OBSERVE	Verify compliance with the details shown on the construction documents, such as braces, stiffeners, member locations and proper application of joint details at each connection.
3. Reduced beam sections (RBS) where/if occurs	DOCUMENT	<ul style="list-style-type: none"> Contour and finish Dimensional tolerances
4. Protected zones	DOCUMENT	No holes or unapproved attachments made by fabricator or erector
5. H-piles where/if occurs	DOCUMENT	No holes or unapproved attachments made by the responsible contractor

G. STRUCTURAL - COLD-FORMED METAL DECK - PLACEMENT SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

METAL DECK INSPECTION PRIOR TO DECK PLACEMENT - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.2, SDI QA/QC-2022, Appendix 1, Table 1.1

TASK	INSPECTION TYPE	DESCRIPTION
1. Verify compliance of materials (deck and all deck accessories) with construction documents, including profiles, material properties, and base metal thickness	PERFORM	
2. Document acceptance or rejection of deck and deck accessories	DOCUMENT	

METAL DECK INSPECTION DURING DECK PLACEMENT - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.2, SDI QA/QC-2022, Appendix 1, Table 1.2

TASK	INSPECTION TYPE	DESCRIPTION
3. Verify compliance of deck and all deck accessories installation with construction documents	PERFORM	
4. Verify deck materials are represented by the mill certifications that comply with the construction documents	PERFORM	
5. Document acceptance or rejection of installation of deck and deck accessories	DOCUMENT	

METAL DECK INSPECTION AFTER DECK PLACEMENT - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.2, SDI QA/QC-2022, Appendix 1, Table 1.3

TASK	INSPECTION TYPE	DESCRIPTION
6. Welding procedure specification (WPS) available	PERFORM	
7. Manufactures certifications for welding consumables available	OBSERVE	
8. Material identification (type/grade)	OBSERVE	
9. Check welding equipment	OBSERVE	

H. STRUCTURAL - COLD-FORMED METAL DECK - WELDING SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

METAL DECK INSPECTION DURING WELDING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.2, SDI QA/QC-2022, Appendix 1, Table 1.4

TASK	INSPECTION TYPE	DESCRIPTION
1. Use of qualified welders	OBSERVE	
2. Control and handling of welding consumables	OBSERVE	
3. Environmental conditions (wind speed, moisture, temperature)	OBSERVE	
4. WPS followed	OBSERVE	

METAL DECK INSPECTION AFTER WELDING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.2, SDI QA/QC-2022, Appendix 1, Table 1.5

TASK	INSPECTION TYPE	DESCRIPTION
5. Verify size and location of welds, including support, sidelap, and perimeter welds.	PERFORM	
6. Welds meet visual acceptance criteria	PERFORM	
7. Verify repair activities	PERFORM	
8. Document acceptance or rejection of welds	DOCUMENT	

I. STRUCTURAL - COLD-FORMED METAL DECK - FASTENING SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

METAL DECK INSPECTION BEFORE MECHANICAL FASTENING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.2, SDI QA/QC-2022, Appendix 1, Table 1.6

TASK	INSPECTION TYPE	DESCRIPTION
1. Manufacturer installation instructions available for mechanical fasteners	OBSERVE	
2. Proper tools available for fastener installation	OBSERVE	

METAL DECK INSPECTION DURING MECHANICAL FASTENING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.2, SDI QA/QC-2022, Appendix 1, Table 1.7

TASK	INSPECTION TYPE	DESCRIPTION
3. Fasteners are positioned as required	OBSERVE	
4. Fasteners are installed in accordance with manufacturer's instructions	OBSERVE	

METAL DECK INSPECTION AFTER MECHANICAL FASTENING - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.2, SDI QA/QC-2022, Appendix 1, Table 1.8

TASK	INSPECTION TYPE	DESCRIPTION
5. Check spacing, type, and installation of support fasteners	PERFORM	
6. Check spacing, type, and installation of sidelap fasteners	PERFORM	
7. Check spacing, type, and installation of perimeter fasteners	PERFORM	
8. Verify repair activities	PERFORM	
9. Document acceptance or rejection of mechanical fasteners	DOCUMENT	



BID DOCUMENTS

REVISIONS:

SPWD Project Number: 25-C01
Site Number: 9952

NSPWD 25-C01
SOUTHERN NEVADA
FORENSIC FACILITY

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PROJECT:
NSPWD 25-C01
SOUTHERN NEVADA
FORENSIC FACILITY

SHEET CONTENTS:
Special Inspections

DATE:
10/28/2025

JOB NO:
23784.00

SHEET:
S0.11

Schedule of Special Inspections (Cont'd)

J. STRUCTURAL - CONCRETE CONSTRUCTION SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

CONCRETE CONSTRUCTION, INCLUDING COMPOSITE DECK – VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC TABLE 1705.3 (ACI 318 REFERENCES NOTED IN IBC TABLE)

TASK	INSPECTION TYPE	DESCRIPTION
1. Inspect reinforcement, including prestressing tendons, and verify placement.	PERIODIC	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of oil, dirt and unacceptable rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report.
2. Reinforcing bar welding	PERIODIC PERIODIC CONTINUOUS	a. Verify weldability of reinforcing bars other than ASTM A 706 b. Inspect single-pass fillet welds, maximum 5/16" in accordance with AWS D1.4 c. Visually inspect all other welds in accordance with AWS D1.4
3. Inspect anchors cast in concrete	PERIODIC	Verify prior to placing concrete that cast in place anchors and post installed drilled anchors have proper embedment, spacing and edge distance.
4. Inspect anchors post-installed in hardened concrete members.	CONTINUOUS AND DOCUMENT PERIODIC	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors not defined in 4a.
5. Verify use of required mix design	PERIODIC	Verify that all mixes used comply with the approved construction documents
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	CONTINUOUS	At the time fresh concrete is sampled to fabricate specimens for strength test verify these tests are performed by qualified technicians.
7. Inspect concrete and shotcrete placement for proper application techniques	CONTINUOUS	Verify proper application techniques are used during concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.
8. Verify maintenance of specified curing temperature and technique	PERIODIC	Inspect curing, cold weather protection, and hot weather protection procedures.
9. Inspect prestressed concrete	CONTINUOUS	Verify application of prestressing forces and grouting of bonded prestressing tendons.
10. Inspect erection of precast concrete members	PERIODIC	
11. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E or F, inspect such connections and reinforcement in the field.	PERIODIC	a. Installation of the embedded parts. b. Completion of the continuity of reinforcement across joints. c. Completion of connections in the field.
12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	PERIODIC	
13. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	PERIODIC	
14. Inspect formwork for shape, location and dimensions of the concrete member being formed.	PERIODIC	

K. STRUCTURAL - MASONRY CONSTRUCTION SECTION (ALL RISK CATEGORIES) I-III
THIS SECTION APPLICABLE IF BOX IS CHECKED:

MASONRY CONSTRUCTION – VERIFY THE FOLLOWING ARE IN COMPLIANCE AT START OF CONSTRUCTION IBC 1705.4 (TMS 602-22 SPECIFICATION TABLE 3 & 4 QUALITY ASSURANCE LEVEL 2)

TASK	INSPECTION TYPE	DESCRIPTION
1a. Prior to construction, verification of compliance of submittals	PERFORM	
1b. Prior to construction, verification of form and f'ACC, except where specifically exempted by the code	PERFORM	
1c. During construction, verification of slump flow and Visual Stability Index (VSI) when self-consolidated grout is delivered to the project site	PERFORM	
2a. Proportions of site-prepared mortar	PERIODIC	
2b. Grade and size of prestressing tendons and anchorages	PERIODIC	
2c. Grade, type and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages	PERIODIC	
2d. Prestressing technique	PERIODIC	
2e. Properties of thin bed mortar for AAC masonry	CONTINUOUS PERIODIC	Continuous for first 5000 square feet only (465 square meters). Periodic Thereafter
2f. Sample panel construction	PERIODIC	
3a. Grout space	PERIODIC	
3b. Placement of prestressing tendons and anchorages	PERIODIC	
3c. Placement of reinforcement, connectors, and anchor bolts	PERIODIC	
3d. Proportions of site-prepared grout and prestressing grout for bonded tendons	PERIODIC	
4a. Materials and procedures with the approved submittals	PERIODIC	
4b. Placement of masonry units and mortar joint construction	PERIODIC	
4c. Size and location of structural members	PERIODIC	
4d. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames and other construction	PERIODIC	
4e. Welding of reinforcement	CONTINUOUS	
4f. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F (4.4°C) or hot weather (temp above 90°F (32.2°C))	PERIODIC	
4g. Application and measurement of prestressing force	CONTINUOUS	
4h. Placement of grout and prestressing grout for bonded tendons is in compliance	CONTINUOUS	
4i. Placement of AAC masonry units and construction of thin bed mortar joints	CONTINUOUS PERIODIC	Continuous for first 5000 square feet (465 square meters) of AAC masonry. Periodic thereafter
5. Observe preparation of grout specimens, mortar specimens, and/or prisms	PERIODIC	
6. Inspect anchors post-installed in masonry members	CONTINUOUS AND DOCUMENT PERIODIC	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors.

L. GEOTECHNICAL - SOILS INSPECTION SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

SOILS INSPECTION – VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC TABLE 1705.6

TASK	INSPECTION TYPE	DESCRIPTION
1. Materials below shallow foundations are adequate to achieve the design bearing capacity.	PERIODIC	
2. Excavations are extended to proper depth and have reached proper material.	PERIODIC	
3. Perform classification and testing of compacted fill materials.	PERIODIC	
4. During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.	CONTINUOUS	
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	PERIODIC	During fill placement, the special inspector shall verify that proper materials and procedures are used in accordance with the provisions of the approved geotechnical report

M. ARCHITECTURAL - SPRAYED FIRE-RESISTANT MATERIALS SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

SPRAYED FIRE-RESISTANT MATERIALS SECTION – VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC SECTION 1705.15 AND 1705.14

TASK	INSPECTION TYPE	DESCRIPTION
1. Surface preparation	PERIODIC	Prior to application confirm that surface has been prepared per the approved fire-resistance design and manufacturer's instructions.
2. Material thickness	PERIODIC	Samples shall be taken from selected floor, roof and wall assemblies and structural members. No more than 10% of the samples shall be less than the thickness required by the fire-resistance design.
3. Material density	PERIODIC	Density tests shall be performed in accordance with ASTM E 605 for every 2,500ft ² of floor, roof or wall area. One sample must also be provided for each beam, girder, truss or column at each story.
4. Bonding strength	PERIODIC	Bonding strength tests shall be performed in accordance with ASTM E 736 for every 2,500ft ² of floor, roof or wall area. One sample must also be provided for each beam, girder truss or column at each story. The bond strength shall not be less than 150psf.

N. STRUCTURAL - LIGHT GAUGE STEEL FRAMING SECTION
THIS SECTION APPLICABLE IF BOX IS CHECKED:

LIGHT GAUGE STEEL CONSTRUCTION AND CONNECTIONS – VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.4, 1705.11, 1705.12.2

TASK	INSPECTION TYPE	DESCRIPTION
1. Welded connections (seismic and/or wind resisting system)	OBSERVE	Visually inspect all welds composing part of the main wind or seismic force resisting system, including shearwalls, braces, collectors (drag struts), and hold-downs.
2. Connections (seismic and/or wind resisting system)	OBSERVE	Visually inspect all screw attachment, bolting, anchoring and other fastening of components within the main wind or seismic force resisting system, including roof deck, roof framing, exterior wall covering, wall to roof/floor connections, braces, collectors (drag struts) and hold-downs.
3. Cold-formed steel (progressive collapse resisting system where/if applies)	OBSERVE	Verify proper welding operations, screw attachment, bolting, anchoring and other fastening of components within the progressive collapse resisting system, including horizontal tie force elements, vertical tie force elements and bridging elements (UFC 4 023 03).



BID DOCUMENTS

REVISIONS

SPWD Project Number: 25-C01
Site Number: 9992

NSPWD 25-C01
SOUTHERN NEVADA
FORENSIC FACILITY



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PROJECT:
NSPWD 25-C01
SOUTHERN NEVADA
FORENSIC FACILITY

SHEET CONTENTS
Special Inspections

DATE:
10/28/2025
JOB NO:
23784.00
SHEET:

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