State of Idaho
Department of Administration
Division of Public Works

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November 16, 2026

REQUEST FOR QUALIFICATIONS (RFQ)

TO: TESTING AND INSPECTION PROFESSIONALS

FROM: Kelly Berard, DPW Administrator
Division of Public Works

SUBJECT: DPW PROJECT NO. 24190
Science Research Building
Boise State University (BSU)
Boise, Idaho

RFQ submittal packages for furnishing Testing and Inspection Services will be received at:
Division of Public Works
502 North 4th Street (83702),
Boise, Idaho, 83720-0072
Due Date: December 21, 2026
Time: 3:00 PM, Mountain Standard Time

Questions that arise as a result of this Request for Qualifications should be addressed to:

Martin Santoyo, Project Manager
Division of Public Works
P.O. Box 83720
Boise, Idaho 83720
(208) 332-1913
Martin.Santoyo@adm.idaho.gov

Modifications (addenda) to this RFQ, if any, will be posted on the Division of Public Works web page at https://dpw.idaho.gov/professional-services/. It is recommended that responders to this RFQ check this page prior to making their submittal.

DESCRIPTION OF PROJECT

This project is for a new science research building to support biomedical sciences research at the Boise State University campus. The project will address the significant demand for additional laboratory-based instruction and research. The proposed building is located at a site bounded by Euclid Avenue, Belmont Street, and Grant Street. The building is four stories and approximately 92,000 gross sq. ft.; the square footage dedicated to lab and research square footage is approximately 52,591 sq. ft. The scope of work also includes demolition of existing modular buildings, utilities, site improvements, landscaping, streetscapes, and infrastructure required for the new facility.

Construction is anticipated to commence April 2027.

REQUIRED SERVICES

The State of Idaho, through DPW, is requesting proposals for Testing and Inspection services.
A total project budget has been established at $129,090,127.00. Note: the Testing and Inspection Firm and Testing and Inspection Firm staff must be within twenty-five (25) miles from the project site.

This budget includes fees, reimbursables, contingencies, testing, and other project related expenses. The construction budget is estimated to be $108,590,127.00.

The successful Testing and Inspection Professional will be required to accept the terms of the Division of Public Works Professional Services Agreement without modifications. The current version can be found at https://dpw.idaho.gov/docs-forms-guides/.

The types of services that may be anticipated are construction testing and inspections. At a minimum, candidates must be able to perform the following services: soils and aggregate tests, subsurface geotechnical investigation reports, soil compaction testing of fill materials, concrete special inspection and quality control, concrete sampling and testing, special masonry inspection, detailed welding inspections, non-destructive examination of welds, high-strength bolting connections, steel fabrication shop inspections, fireproofing inspections, and asphalt paving testing. Services may also include floor flatness testing, floor moisture vapor emission testing, and GPR for locating reinforcing steel.

The ability to execute this work on short notice in a reasonably short time is important. Onsite administration of testing and observation reports is frequently required particularly with the critical timelines that may exist on a project.

The Testing and Inspection Professional will be required to upload all documents to DPW's Owner's web-based project management system, Projectmates. Documents may include, but are not limited to, testing reports and a final Testing and Inspection Report which should include any unresolved issues, communications, etc.

The delivery method for this project will be: CM/GC
Contractor: Andersen Construction
The Contractor will assist throughout construction and coordinate scheduling for all necessary testing and inspections.
The Design Professional is Lombard Conrad Architects.

STATEMENT OF QUALIFICATIONS (SOQ) PROPOSAL CONTENT

Format: To assist evaluation, the SOQ must be formatted similar to the headings listed. The submittals should be clear and concise, following the page length guidelines provided. Pages should be no larger than 8-1/2 x 11 and the font size no smaller than 10 points. If information requested is not addressed in the numerical section or corresponding lettered subsection in which it is requested, points will NOT be awarded for those criteria. All content should be included in the submittal. No external means of information (i.e. brochures or QR codes) will be considered.

A. Cover Sheet: Include one (1) single-sided page with only the following information (no photos):

1. Prime firm name and the office location that will manage this project.
2. Name and title of the Primary Point of Contact (include no more than one).
    a. Primary Point of Contact phone number (include area code).
    b. Primary Point of Contact email address.
3. Acknowledge Addenda on the Cover Sheet, if applicable.

The Primary Point of Contact provided will be notified of all shortlist rankings (if interviews are required), schedule updates, final rankings, and general Request for Qualification information. Failure to include the specific primary contact information may result in your firm being found non-responsive.

B. General Qualifications: Provide a summary of your general qualifications. Limit to two (2) single-sided pages with the following elements (no photos or resumes).

1. Company Information:
    a. Name, size, age, and general information.
    b. Location/address.
    c. Type of Business (LLC, Sole Proprietorship, etc.)
2. Special expertise as they relate to this project type.
3. Resources available to meet the project schedule, including how you will handle staffing changes and utilization of temporary or contracted staff.

C. Team Member Qualifications: Provide a description of the team's individual qualifications. Only include members who would be assigned to this project. Limit to half page for each person. (Photos are optional). The following information should be included for each individual:

1. Name and title.
2. Number of years in current role within their firm.
3. Firm name and home office/location of the individual.
4. Education and training.
5. Brief overview of their responsibilities specific to this project.
6. Brief overview of their experience related to this project.
7. List the staff who are accredited to provide the required services. Provide applicable certifications. At a minimum, the local office/laboratory facility must be ISO 17025 accredited to ASTM E-329 (for soils, concrete, masonry, steel, and fireproofing). At a minimum, inspectors must be International Code Council (ICC) certified for concrete, masonry, and fireproofing, and steel inspectors must be AWS/CWI. Technicians must be American Concrete Institute (ACI) Grade 1 certified.

D. Project Examples: Provide four (4) examples of relevant past projects, in which construction has been completed within the last five (5) years. Projects should be similar in size and budget as this project. Limit each project to one (1) single-sided page. List the following information for each project:

1. Project data including name, address, overall square footage, project construction cost, schedule, substantial completion date, and construction delivery method.
2. Project description.
3. Photograph(s) of the completed project.
4. Team member names, titles, and firm name.
5. Team member names, titles, and firm name. Provide and asterisk (*) if the individual is listed under "Team Member Qualifications" in the section above.
6. References; include the owner's name, phone number and email.
7. Projects should include elements as listed in the **DESCRIPTION OF PROJECT**. Clearly list the requirements that each project complies with in your submittal.

E. Technical Approach to Project: Describe your team's approach for the following items. Provide specific examples to substantiate your response. Limit to five (5) single-side pages (no photos).

1. Understanding of DPW's processes, as outlined in **REQUIRED SERVICES**.
2. Understanding of the project scope and individual program needs, as outlined in the **DESCRIPTION OF PROJECT**.
3. Understanding of the Agency and the project site.
4. Explain your approach during site visits.
5. Describe communication tools, including verbal and written.

SUBMITTAL

Submit five (5) printed copies of the submittal 8-1/2 x 11 format; and one (1) USB drive containing a PDF of the submittal.

EVALUATION, FINAL RANKING, INTERVIEW PROCESS

A Selection Committee consisting of two (2) people from DPW, two (2) people from the Agency, and an independent reviewer will rank the teams deemed to be the most highly qualified to perform the required services. The initial ranking criteria will be weighted as indicated below and used to determine the teams selected for an interview, if deemed necessary. Interviews will not be held if the gap in points between the top-ranked team and the subsequent team(s) exceeds the allowable interview points. If interviews are conducted, the teams invited for an interview may be given content in the interview invitation. The remaining points will be awarded for the interview. If interviews are not conducted, then scores will be final based on the (Statement of Qualifications) SOQ only.

The Selection Committee may choose to interview any, all, or none of the respondents as may be in the best interest of the State. The names of all firms that submitted SOQ's and the names of firms, if any, selected for interviews shall be public information. At the conclusion of the selection process, all documentation will become public information. Firms not selected will be notified in writing after the conclusion of the selection process.

Initial Ranking, Written Point Scoring		
	Criteria	Maximum Possible Points
A	Format / Cover Sheet	5
B	General Qualifications	10
C	Team Member Qualifications	15
D	Project Examples	15
E	Technical Approach	25
Written Total		**70**
Presentation – Interview Point Scoring		
Criteria To Be Determined After SOQs Are Reviewed		Maximum Possible Points
Interview Total		**30**

PROPOSED DATES:

Final Addendum issued	December 15, 2026
Receive SOQ Submittals	December 21, 2026
Oral Interviews	Tentatively week of January 25, 2027
PBFAC Selection Approval	February 2, 2027
Negotiate Contract	February 2027

SELECTION AND AWARD

Based on the results of the Statement of Qualifications and, if applicable, interviews, DPW will recommend a course of action to the Permanent Building Fund Advisory Council (PBFAC) at their next regularly scheduled meeting. If recommended, a notice of intent to negotiate will be issued by DPW. However, final award is contingent upon the successful negotiation of an Agreement.

Submittal contents may be incorporated in a legal contract or agreement. Proposers should be aware that methods and procedures proposed could become contractual obligations. The successful firm will be required to sign an agreement including the State's standard terms, including a requirement to carry and maintain a minimum of $1,000,000 professional liability insurance coverage. The State reserves the right to reject any or all proposals received as a result of this request.

PROVISIONS

1. The Testing and Inspection firm will receive general instructions through the State. A Project Manager from DPW has been assigned to serve as project manager and liaison between the Department of Administration, Agency, and the Testing and Inspection firm.

2. The Testing and Inspection firm shall warrant the following: not knowingly hire or engage any illegal aliens or persons not authorized to work in the United States as required by Title 67, Chapter 79, Idaho Code. The Testing and Inspection firm shall take steps to verify that it does not hire or engage any illegal aliens or persons not authorized to work in the United States; and that any misrepresentation in this regard or any employment of persons not authorized to work in the United States constitutes a material breach and shall be cause for the imposition of monetary penalties and/or termination of any Contract resulting from this RFQ.

3. DPW reserves the right to investigate the Testing and Inspection team and/or Consultants' financial responsibility and past project performance. Unfavorable responses regarding financial statements, bank references, interviews with past consultants, employees, creditors, past or current litigation, or design professionals and/or consultants that were the cause of improperly managing a DPW project in the past seven years are grounds for rejection of RFQ submittal.

4. Submittal contents may be incorporated into a legal contract or agreement. Proposers should be aware that methods and procedures submitted could become contractual obligations.

5. The State reserves the right to reject any or all proposals received for this RFQ.

6. The State may also negotiate separately with any source in any manner necessary to serve the best interests of the State of Idaho. Awards will be made on the basis of submittals resulting from this request and subsequent interviews and associated ranking criteria noted above.

7. At the time of submittal, the Testing and Inspection professional and all their consultants shall be licensed in the State of Idaho for their specific discipline.

8. Funding for the project is from the State. The Division of Public Works (DPW) will administer the project according to the terms and conditions of the award, State laws and guidelines.

ATTACHMENTS

Structural Sheets for reference only, not for construction, S0.00 – S0.03

End DPW Project #24190 Testing and Inspection RFQ

STRUCTURAL SHEET INDEX

SHEET NUMBER	SHEET NAME	ISSUE LOG: BID PACKAGE 1
S0.00	ABBREVIATIONS, SYMBOLS AND SHEET INDEX	X
S0.01	GENERAL STRUCTURAL NOTES	X
S0.02	GENERAL STRUCTURAL NOTES	X
S0.03	STATEMENT OF SPECIAL INSPECTIONS	X
S0.04	LOADING PLANS	X
S0.05	FLOOR LOADING PLANS	X
S2.01	SOIL IMPROVEMENT PLAN	X
S2.10	FOUNDATION PLAN	X
S2.11	ENLARGED PLAN - EQUIPMENT YARD	X
S2.12	MAT FOUNDATION REINFORCEMENT PLAN	X
S2.13	ENLARGED PLAN - VESTIBULE FOUNDATION PLANS	X
S2.20	LEVEL 2 FRAMING PLAN	*
S2.21	ENLARGED PLAN - VESTIBULE FRAMING PLANS	*
S2.30	LEVEL 3 FRAMING PLAN	*
S2.40	LEVEL 4 FRAMING PLAN	*
S2.50	ROOF FRAMING PLAN	*
S2.60	PENTHOUSE ROOF FRAMING PLAN	*
S3.40	CONCRETE SHEAR WALL ELEVATIONS	X
S3.41	CONCRETE SHEAR WALL ELEVATIONS	X
S3.42	CONCRETE SHEAR WALL SECTIONS	X
S5.00	EXTERIOR WALL SECTIONS	X
S5.01	EXTERIOR WALL SECTIONS	X
S5.02	EXTERIOR WALL SECTIONS	X
S5.03	EXTERIOR WALL SECTIONS	X
S5.04	EXTERIOR WALL SECTIONS	X
S5.07	EXTERIOR WALL SECTIONS	X
S6.00	TYPICAL CONCRETE DETAILS	X
S6.01	CONCRETE SLAB ON GRADE DETAILS	X
S6.02	TYPICAL CONCRETE FOUNDATION DETAILS	X
S6.03	CONCRETE FOUNDATION DETAILS	X
S6.04	CONCRETE FOUNDATION DETAILS	X
S6.05	CONCRETE DETAILS	X
S6.10	COLUMN SCHEDULE AND KEY PLAN	X
S6.20	CONCRETE SHEAR WALL DETAILS	X
S6.40	TYPICAL CONCRETE BEAM DETAILS	-
S6.50	TYPICAL CMU DETAILS	X
S9.00	ELEVATOR PLAN AND SECTIONS	X
S9.20	STAIR 2 PLANS AND SECTIONS	X
S9.30	STAIR 3 PLANS AND SECTIONS	X

ISSUE LOG KEY:
X ISSUED AS PART OF A SET
\- NOT AS PART OF ISSUED SET
* FOR INFORMATION ONLY

11/20/2026

NOTE:

BID PACKAGE 1 (BP-1) INCLUDES ONLY THOSE SHEETS NECESSARY FOR THE CONSTRUCTION AND PERMITTING OF CONCRETE AND EMBEDDED STEEL CAST IN CONCRETE BELOW THE SECOND LEVEL SLAB (T.O. SLAB = 115'-4"). DESIGN AND DETAILING OF ALL ELEMENTS ABOVE THE BOTTOM OF SLAB, INCLUDING POST-INSTALLED ANCHORS, WILL BE PROVIDED AS PART OF THE FUTURE BID PACKAGE 2 (BP-2) DELIVERABLE.

SHEETS INCLUDED IN BID PACKAGE 1 SOLELY FOR PERMITTING PURPOSES AND NOT REQUIRED FOR CONSTRUCTION ARE IDENTIFIED AS "FOR REFERENCE ONLY." THESE SHEETS ARE PROVIDED TO FACILITATE UNDERSTANDING OF THE BUILDING'S OVERALL STRUCTURAL SYSTEM AND LOAD PATHS. NO CONSTRUCTION OR PROCUREMENT SHALL BE PERFORMED BASED ON INFORMATION CONTAINED ON SHEETS OR OTHERWISE MARKED "FOR REFERENCE ONLY".

STRUCTURAL ABBREVIATIONS

(E)	EXISTING
AB	ANCHOR BOLT
ADD'L	ADDITIONAL
ADJ	ADJUSTABLE
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
ANCH	ANCHOR
ARCH	ARCHITECTURAL
B.O.	BOTTOM OF
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BN	DIAPHRAGM BOUNDARY NAILING
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
C	CAMBER
CAP	CAPACITY
CC	CENTER TO CENTER
CDF	CONTROLLED DENSITY FILL
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION OR CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CTR	CENTER
CY	CUBIC YARD
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DCW	DEMAND CRITICAL WELD
DEMO	DEMOLISH
DET	DETAIL
DF	DOUGLAS FIR
DIA	DIAMETER
DIAG	DIAGONAL
DKG	DECKING
DN	DOWN
DWF	DEFORMED WIRE FABRIC
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATOR
EN	PANEL EDGE NAILING
EQ	EQUAL OR EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
F	FAHRENHEIT
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISH FLOOR
FLR	FLOOR
FOB	FACE OF BUILDING
FS	FAR SIDE
FT	FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GEN	GENERAL
GL	GLUED LAMINATED TIMBER
GOV	GOVERNMENT
GR	GRADE
GWB	GYPSUM WALL BOARD
HF	HEM-FIR
HGR	HANGER
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IF	INSIDE FACE
IN	INCH
INFO	INFORMATION
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIP (1,000 LBS.)
KSF	KIPS PER SQUARE FOOT
LF	LINEAL FOOT
LFH	LONG FACE HORIZONTAL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNGT	LONGITUDINAL
LP	LOW POINT
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NS	NONSHRINK
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
PAF	POWER ACTUATED FASTENER
PC	PIECE
PC	PILE CAP
PEN	PENETRATION
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLWD	PLYWOOD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSIONED
PT	PRESERVATIVE-TREATED
PWT	PREFABRICATED WOOD TRUSS
R	RADIUS
RD	ROOF DRAIN
REINF	REINFORCING
REQ'D	REQUIRED
RND	ROUND
RO	ROUGH OPENING
RTN	RETURN
SC	SLIP CRITICAL
SCHED	SCHEDULE
SECT	SECTION
SFRS	SEISMIC FORCE-RESISTING SYSTEM
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SOG	SLAB-ON-GRADE
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STIFF	STIFFENER
STIRR	STIRRUP
STL	STEEL
STRUCT	STRUCTURAL
SUPP	SUPPORT
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T.O.	TOP OF
THK	THICK(NESS)
THRU	THROUGH
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UT	ULTRASONIC TESTING
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WD	WOOD
WF	WIDE FLANGE
WHS	WELDED HEADED STUD
WP	WORK POINT

STRUCTURAL DRAWING SYMBOLS

GRIDLINE

SURFACE - SLOPE UP

SURFACE - STEPPED

SURFACE - SLOPE DOWN

SURFACE - SLOPE TWO WAYS

UNDISTURBED SOIL, COMPACTED SOIL, BACKFILL, OR ANY PREPARED SUBGRADE.

PLAN NORTH

NORTH ARROW

DETAIL SYMBOL

BUILDING SECTION CUTS

ELEVATION OF WALL OR FRAME

DETAIL SECTION

T.O. XXXX
EL = XX'-XX"

SPOT ELEVATION AS INDICATED
T.O. DECK
T.O.CONC.
T.O. STEEL
T.O. PLY
DECK BRG

LEVEL XX

ELEVATION OF LEVEL

WP

WORKPOINT

DN

DIRECTION OF DOWNWARD SLOPE

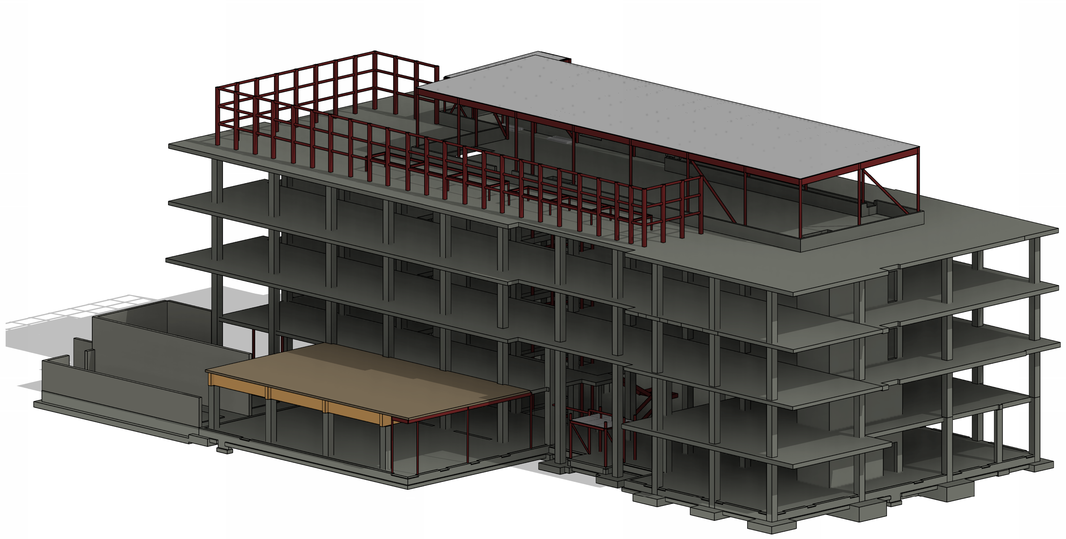
CONCRETE WALL ABOVE

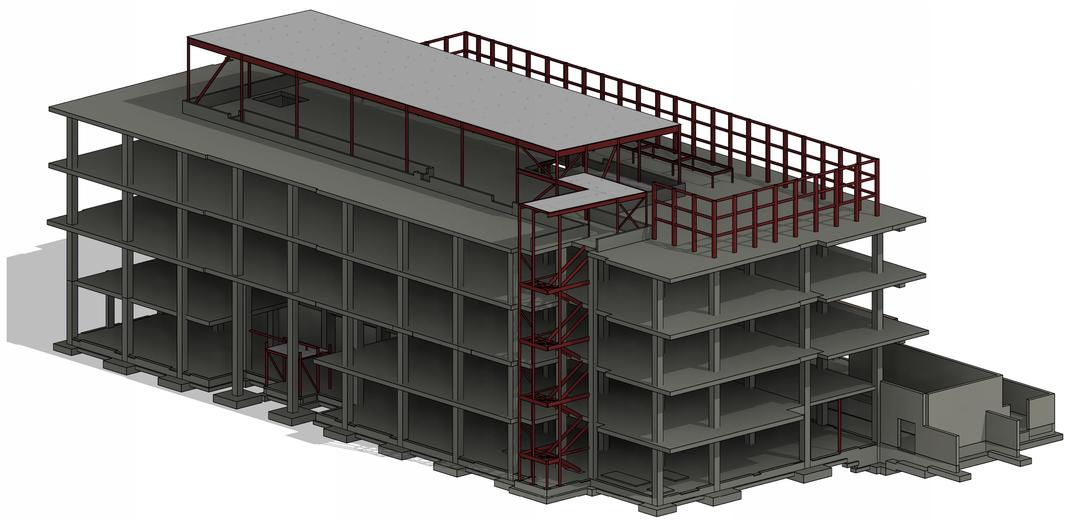
CMU WALL ABOVE

WOOD/CFS STRUCTURAL WALL ABOVE

WALL BELOW

ISOMETRIC VIEWS





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MRK	DATE	DESCRIPTION

JOB NO.: **24026.01**
DATE: **10/16/2026**
DRAWN BY: **DN**
CHECKED BY: **JW**

PHASE: **CONSTRUCTION DOCUMENTS**

ABBREVIATIONS, SYMBOLS AND SHEET INDEX

SHEET NO.
S0.00

10/15/2026 6:06:33 PM Autodesk Docs://Boise State Science Research Building/102124001I8_Boise State SRB_STRUCT_R25.rvt

GENERAL STRUCTURAL NOTES

REINFORCING STEEL:

GENERAL:

1. DETAIL, FABRICATE, AND INSTALL REINFORCING IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 301, ACI 117, AND THE "CRSI MANUAL OF STANDARD PRACTICE."

PRODUCTS:

1. REINFORCING STEEL: ASTM A615, GRADE 60, DEFORMED
2. WELDED WIRE REINFORCEMENT (WWR): ASTM A1064

EXECUTION:

1. PROVIDE THE MINIMUM CONCRETE COVER FOR REINFORCEMENT IN CAST-IN-PLACE CONCRETE (NON-PRESTRESSED) AS INDICATED IN THE TABLE BELOW.

MINIMUM CONCRETE CLEAR COVER		
LOCATION	BAR SIZE	CLEAR COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	ALL	3"
CONCRETE EXPOSED TO EARTH OR WEATHER	#6 & LARGER	2"
	#5 & SMALLER	1 1/2"
SLABS, WALLS, OR JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND	#14 & LARGER	1 1/2"
	#11 & SMALLER	3/4"
BEAM AND COLUMN TIES & STIRRUPS NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	ALL	1 1/2"

CONCRETE UNIT MASONRY:

GENERAL:

1. FURNISH AND INSTALL MASONRY MATERIALS IN CONFORMANCE WITH THE REQUIREMENTS OF TMS 602/ACI 530.1/ASCE 6, "SPECIFICATION FOR MASONRY STRUCTURES"

PRODUCTS:

1. PERFORMANCE REQUIREMENTS:
   - A. PROVIDE STRUCTURAL UNIT MASONRY THAT DEVELOPS SPECIFIED NET-AREA COMPRESSIVE STRENGTH OF MASONRY, f'm AT 28 DAYS.
     - a. MINIMUM f'm: 2,000 psi
   - B. VERIFY NET-AREA COMPRESSIVE STRENGTH OF MASONRY USING ONE OF THE FOLLOWING METHODS:
     - a. PRISM TESTING: DETERMINE NET-AREA COMPRESSIVE STRENGTH OF MASONRY BY TESTING MASONRY PRISMS ACCORDING TO ASTM C1314.
     - b. UNIT STRENGTH METHOD: DETERMINE NET-AREA COMPRESSIVE STRENGTH OF MASONRY FROM AVERAGE NET-AREA COMPRESSIVE STRENGTHS OF MASONRY UNITS AND MORTAR TYPE ACCORDING TO TMS 602/ACI 530.1/ASCE 6 AS FOLLOWS:

CMU COMPRESSIVE STRENGTH VERIFICATION (UNIT STRENGTH METHOD)			
SPECIFIED MASONRY NET-AREA COMPRESSIVE STRENGTH, f'_m	CMU NET-AREA COMPRESSIVE STRENGTH	GROUT STRENGTH	MORTAR TYPE
2,000 PSI	2,000 PSI	2,000 PSI	S

2. REINFORCING BARS: SEE NOTES UNDER "REINFORCING STEEL" FOR REQUIREMENTS.

EXECUTION:

1. GROUTING:
   - A. GROUT CELLS AS INDICATED.
   - B. USE OF HIGH-LIFT GROUT CONSTRUCTION IS SUBJECT TO APPROVAL BY THE ARCHITECT. HIGH-LIFT GROUTING SHALL CONFORM TO THE REQUIREMENTS IN TMS 602/ACI 530.1/ASCE 6.
2. EMBEDDED ITEMS IN CMU: DO NOT EMBED PIPES IN CMU EXCEPT WHERE SPECIFICALLY DETAILED. VERTICAL CONDUITS MAY BE EMBEDDED IF THE FOLLOWING CONDITIONS ARE MET:
   - A. CONDUITS ARE < 3/4" IN DIAMETER.
   - B. CONDUITS ARE NOT PLACED IN A CELL WITH REINFORCEMENT.
   - C. CONDUITS ARE A MINIMUM OF 24" FROM JAMB/END REINFORCEMENT.
   - D. CELLS WITH CONDUITS ARE SPACED 32" OC MIN.
   - E. (2) MAX PER UNREINFORCED CELL, 3 DIAMETERS (MIN) O.C.

FOUNDATION:

GEOTECHNICAL INVESTIGATION:

1. GEOTECHNICAL INFORMATION AND FOUNDATION DESIGN IS BASED ON THE FOLLOWING GEOTECHNICAL REPORTS AND SUPPLEMENTS/ADDENDUMS. COPIES OF THE REPORTS SHALL BE AVAILABLE AT THE JOBSITE AT ALL TIMES.

REPORT/ADDENDUM TITLE	PREPARED BY	DATE
GEOTECHNICAL ENGINEERING EVALUATION BOISE STATE SCIENCE RESEARCH BUILDING	STRATA	08/13/2025

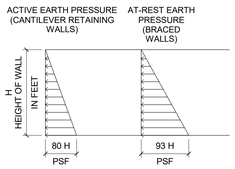
GEOTECHNICAL DESIGN CRITERIA:

1. FOUNDATIONS:

ANTICIPATED BEARING MATERIAL	ALLOWABLE BEARING CAPACITY	MINIMUM FROST DEPTH	ALLOWABLE LATERAL RESISTANCE		SUBGRADE MODULUS
			PASSIVE RESISTANCE	COEFFICIENT OF FRICTION	
RAMMED AGGREGATE PIER (RAP) SOIL IMPROVEMENTS	8000 PSF	24 IN	326 PCF	0.5	

NOTE: REFER TO SOIL IMPROVEMENT PLAN FOR EXTENTS OF SOIL IMPROVEMENT

2. LATERAL EARTH PRESSURE:



3. SLAB ON GRADE:

ANTICIPATED BEARING MATERIAL	ALLOWABLE BEARING CAPACITY
MINIMUM OF 24" OF GRANULAR STRUCTURAL FILL W/ WOVEN GEOSYNTHETIC PER GEOTECHNICAL REPORT	200 PSF

NOTE: WHERE MAXIMUM COMBINED DEAD AND LIVE LOADING EXCEEDS 200 PSF ON SLAB ON GRADE, PROVIDE RAMMED AGGREGATE PIERS OR OVEREXCAVATION TO NATIVE SOILS PER GEOTECHNICAL REPORT.

FOUNDATION REQUIREMENTS:

1. STRUCTURAL FILL: COMPACT ALL SOIL BELOW FOUNDATIONS AND SLABS-ON-GRADE TO MINIMUM 95% OF OPTIMUM DRY DENSITY PER ASTM D1557.
2. FROST PROTECTION: AT EXTERIOR FOOTINGS, PROVIDE MINIMUM FROST DEPTH INDICATED IN SCHEDULE FROM LOWEST ADJACENT GRADE TO BOTTOM OF FOOTING. VERIFY THAT FOOTING ELEVATIONS AND FINAL GRADES INDICATED WILL PROVIDED THIS MINIMUM DEPTH. NOTIFY ARCHITECT OF ANY LOCATIONS THAT MAY NOT ACHIEVE THIS MINIMUM FROST DEPTH.
3. PROVIDE DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER AND/OR SEEPAGE.
4. EXCAVATION FOR FOOTINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE AND REINFORCING.
5. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE OR GROUT HAS ATTAINED FULL DESIGN STRENGTH. BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL DESIGN STRENGTH.
6. REMOVE ALL ABANDONED FOOTINGS, UTILITIES, ETC. NEW FOOTINGS MUST EXTEND INTO UNDISTURBED SOILS.
7. THE DESIGN GROUNDWATER ELEVATION IS 7 FEET BELOW EXISTING GRADE PER THE GEOTECHNICAL INVESTIGATION REPORT.

CAST-IN-PLACE CONCRETE:

GENERAL:

1. COMPLY WITH THE PROVISIONS OF ACI 301 AND ACI 117, EXCEPT AS MODIFIED BY THESE CONTRACT DOCUMENTS.
2. MANUFACTURER QUALIFICATIONS: CERTIFIED ACCORDING TO NRMCA's "CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES.

PRODUCTS:

1. CONCRETE MIXTURES: PREPARE DESIGN MIXTURES FOR EACH TYPE AND STRENGTH OF CONCRETE, PROPORTIONED ON THE BASIS OF LABRATORY TRIAL MIXTURES OR FIELD TEST DATA OR BOTH, ACCORDING TO ACI 301.

CONCRETE MIXTURES				
LOCATIONS IN STRUCTURE	DESIGN STRENGTH	MAX UNIT WEIGHT	MAX W/C RATIO	EXPOSURE CATEGORIES
MAT FOUNDATIONS	5,000 PSI	145 PCF	0.45	F2, S0, W0, C0
FOOTINGS AND FOUNDATION WALLS	5,000 PSI	145 PCF	0.45	F2, S0, W0, C0
SLAB ON GRADE	4,000 PSI	145 PCF	0.45	F0, S0, W0, C0
BUILDING COLUMNS	5,000 PSI	145 PCF	0.45	F0, S0, W0, C0
EXTERIOR BUILDING COLUMNS	5,000 PSI	145 PCF	0.45	F2, S0, W0, C1
INTERIOR CURBS, EQUIPMENT PADS, PADS, TOPPING SLABS, ETC.	4,000 PSI	145 PCF	0.50	F0, S0, W0, C0
WALLS AND BUILDING FRAME MEMBERS	5,000 PSI	145 PCF	0.45	F0, S0, W0, C0
ELEVATED SLABS	5,000 PSI	145 PCF	0.45	F0, S0, W0, C0
EXTERIOR CURBS, EQUIPMENT PADS, PADS, TOPPING SLABS, ETC.	4,500 PSI	145 PCF	0.45	F2, S0, W0, C1

EXECUTION:

1. OPENINGS, POCKETS, ETC., LARGER THAN 6" SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, OR WALLS UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE ARCHITECT WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS.
2. PIPES AND CONDUITS EMBEDDED IN CONCRETE:
   - A. CONDUITS LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY ARCHITECT.
   - B. CONDUITS SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS.
   - C. DO NOT STACK CONDUITS. SPACE EMBEDDED CONDUITS AT A MINIMUM OF AT A MINIMUM OF 3 DIAMETERS CLEAR FROM OTHER EMBEDDED CONDUITS AND 1 1/2" CLEAR FROM REINFORCING BARS.
   - D. NO CONDUITS SHALL BE PLACED IN CONCRETE FILL OVER METAL DECK.
   - E. PIPES ARE NOT PERMITTED TO BE EMBEDDED IN CONCRETE.
3. DO NOT EMBED ALUMINUM PRODUCTS IN CONCRETE.
4. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED WITHOUT ARCHITECT REVIEW AND APPROVAL.
5. ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED SHALL BE CLEANED AND ROUGHENED TO 1/4" AMPLITUDE.

DESIGN CRITERIA:

ROOF SNOW LOADS: (SECTION 1603.1.3 OF THE CODE):

GROUND SNOW LOAD: P_g = 20 PSF

FLAT ROOF SNOW LOAD: P_f = 15.4 PSF

JURISDICTION MINIMUM SNOW LOAD: P_m = 25 PSF

SNOW EXPOSURE FACTOR: C_e = 1.0

SNOW LOAD IMPORTANCE FACTOR: I_s = 1.1

SLOPE FACTOR: C_s = 1.0

THERMAL FACTOR: C_t = 1.0

RAIN LOADS:

RAIN INTENSITY: i = 1.0 in/hr

WIND DESIGN DATA:

WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609 OF THE CODE.

RISK CATEGORY: III

BASIC WIND SPEED: V = 109 MPH (3-SECOND GUST)

WIND EXPOSURE: B

INTERNAL PRESSURE COEFFICIENT: GC_{pi} = ± 0.18

COMPONENTS & CLADDING WIND PRESSURES (PSF) (ULTIMATE)				
LOCATION		COMPONENT TRIBUTARY AREA (SQ FT)		
		10	100	500
ROOF	ZONE 1	+16.0 / -31.8	+16.0 / -25.4	+16.0 / -24.2
	ZONE 2	+16.0 / -50.0	+16.0 / -41.1	+16.0 / -39.5
	ZONE 3	+16.0 / -68.1	+16.0 / -56.7	+16.0 / -54.6
WALLS	ZONE 4	+21.8 / -21.8	+18.4 / -19.6	+17.6 / -19.0
	ZONE 5	+21.8 / -39.9	+18.4 / -30.7	+17.6 / -28.4
PARAPETS	ZONE 4	+66.2 / -37.2	+53.6 / -31.6	+51.1 / -30.2
	ZONE 5	+66.2 / -55.9	+53.6 / -43.0	+51.1 / -39.8

SEE 1/S0.04 FOR COMPONENTS AND CLADDING WIND MAP

EARTHQUAKE DESIGN DATA:

SITE AND OCCUPANCY PARAMETERS	
SEISMIC IMPORTANCE FACTOR	I_e = 1.25
RISK CATEGORY	III
MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS	S_S = 0.33
	S_1 = 0.11
SITE CLASS	C
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS	S_{DS} = 0.266
	S_{D1} = 0.11
SEISMIC DESIGN CATEGORY	B

BUILDING PARAMETERS	
SEISMIC FORCE RESISTING SYSTEM	ORDINARY REINFORCED CONCRETE SHEAR WALLS (BEARING)
SEISMIC RESPONSE COEFFICIENTS	C_S = 0.064
RESPONSE MODIFICATION FACTOR	R = 4
SYSTEM OVERSTRENGTH FACTOR	Ω_0 = 2.5
DEFLECTION AMPLIFICATION FACTOR	C_d = 4
ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE
DESIGN BASE SHEAR	V = 1130 KIP (N/S), 1090 KIP (E/W)

STORY DRIFTS:

CALCULATED RELATIVE, INELASTIC LATERAL DISPLACEMENTS WITH RESPECT TO THE LEVEL BELOW (STORY DRIFTS) ARE AS FOLLOWS:

SEISMIC INELASTIC INTERSTORY DRIFTS		
LEVEL	PLAN EAST/WEST	PLAN NORTH/SOUTH
ROOF (STORY HEIGHT=15'-4")	2 INCHES	0.6 INCHES
LVL 4 (STORY HEIGHT=15'-4")	1.8 INCHES	0.5 INCHES
LVL 3 (STORY HEIGHT=15'-4")	1.4 INCHES	0.4 INCHES
LVL 2 (STORY HEIGHT=15'-4")	0.7 INCHES	0.3 INCHES

GENERAL:

STRUCTURAL DRAWINGS:

1. STRUCTURAL DRAWINGS ARE A PORTION OF THE CONTRACT DOCUMENTS AND ARE INTENDED TO BE USED WITH OTHER DRAWINGS, SPECIFICATIONS, AND DOCUMENTS ENUMERATED IN THE OWNER/CONTRACTOR AGREEMENT.
2. REVIEW AND COORDINATE THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.

CODE REQUIREMENTS AND REFERENCED STANDARDS:

1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:

   2018 INTERNATIONAL BUILDING CODE (IBC) AND LATEST REVISIONS REFERRED TO HERE AS "THE CODE", AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK AND THOSE CODES & STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.

2. ASTM SPECIFICATIONS AND REFERENCED STANDARDS ON THE DRAWINGS SHALL BE THE VERSION REFERENCED IN CHAPTER 35 OF THE CODE OR AS REFERENCED IN THE APPLICABLE DESIGN STANDARD.

EXISTING CONDITIONS:

1. VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, NOTIFY THE ARCHITECT IMMEDIATELY.

TEMPORARY CONDITIONS:

1. THE CONTRACT DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION, INCLUDING BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER DO NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
2. THE CONTRACT STRUCTURAL DRAWINGS SHOW THE BUILDING IN ITS FINAL INTENDED POSITION. MAKE PROVISIONS IN THE CONSTRUCTION SEQUENCING OF THE BUILDING TO TAKE INTO ACCOUNTS SHRINKAGE, CREEP, SHORTENING, THERMAL EXPANSION, ETC.
3. SPREAD OUT CONSTRUCTION MATERIALS IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

DEFERRED SUBMITTALS:

1. PER IBC SECTION 107.3.4.1, DRAWINGS AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS SHALL BEAR THE SEAL AND SIGNATURE OF THE STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW. UPON SATISFACTORY REVIEW, THE DEFERRED SUBMITTAL SHALL BE FORWARDED TO THE BUILDING OFFICIAL WITH NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. DEFERRED SUBMITTALS INCLUDE, BUT ARE NOT LIMITED, TO THE FOLLOWING:
   - METAL STAIRS INDICATED, LADDERS, AND RAILINGS
   - CURTAIN WALL, WINDOW WALL, AND OTHER GLAZING SYSTEMS
   - MEP EQUIPMENT ANCHORAGE AND BRACING
   - RAMMED AGGREGATE PIERS
   - ELECTRICAL GENERATOR CATWALK

OTHER DRAWINGS:

1. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
   - A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, EXCEPT AS NOTED
   - B. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS UNLESS NOTED AND/OR DETAILED ON THE STRUCTURAL DRAWINGS
   - C. SIZE AND LOCATION OF ALL CONCRETE CURBS, EQUIPMENT PADS, PITS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC
   - D. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN
   - E. FLOOR AND ROOF FINISHES
   - F. MISCELLANEOUS DRAINAGE AND WATERPROOFING
   - G. ALL FIREPROOFING REQUIREMENTS INCLUDING FIREPROOFING OF STRUCTURAL STEEL
   - H. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS
2. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
   - A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
   - B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
   - C. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
   - D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.

TESTING, INSPECTIONS, AND OBSERVATIONS

STRUCTURAL OBSERVATIONS:

1. KPFF WILL PERFORM STRUCTURAL OBSERVATION BASED ON THE REQUIREMENTS OF CHAPTER 17 OF THE CODE AT THE STAGES OF CONSTRUCTION LISTED BELOW. CONTRACTOR SHALL NOTIFY ARCHITECT AND PROVIDE ACCESS FOR KPFF TO PERFORM THESE OBSERVATIONS. CONTRACTOR TO PROVIDE A MINIMUM OF 3 DAYS NOTICE PRIOR TO TIMING OF STRUCTURAL OBSERVATIONS BELOW.
2. KPFF WILL ISSUE AN OBSERVATION REPORT TO ARCHITECT FOR DISTRIBUTION TO THE OWNER AND CONTRACTOR. OBSERVATION REPORT WILL IDENTIFY WORK OBSERVED AND ANY WORK NOT IN CONFORMANCE WITH CONTRACT DOCUMENTS.
3. STRUCTURAL OBSERVATION IS TO VERIFY GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS. STRUCTURAL OBSERVATIONS DO NOT REPLACE THE NEED FOR SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE CODE.

STRUCTURAL OBSERVATIONS	
ITEM	TIMING/FREQUENCY OF OBSERVATION
A. FOUNDATIONS	PRIOR TO CONCRETE PLACEMENT, AFTER REINFORCING IS INSTALLED AND TIED.
B. CONCRETE WALLS	PRIOR TO CONCRETE WALL PLACEMENT. AFTER REINFORCING IS INSTALLED AND TIED.
C. CONCRETE DIAPHRAGMS	PRIOR TO FIRST CONCRETE AT EACH FLOOR LEVEL, AFTER REINFORCING STEEL IS INSTALLED
D. STAIR 2 STEEL FRAMING	AFTER ERECTION, PRIOR TO APPLICATION OF FIREPROOFING OR FINISHES
E. PENTHOUSE STEEL FRAMING	AFTER ERECTION, PRIOR TO APPLICATION OF FIREPROOFING OR FINISHES
F. STEEL DECK DIAPHRAGMS	AFTER STEEL DECK IS INSTALLED AND ATTACHED TO STRUCTURE. PRIOR TO ROOFING INSTALLATION.

SPECIAL INSPECTION AND TESTING:

1. SPECIAL INSPECTION WILL BE PROVIDED BY A THIRD-PARTY TESTING AGENCY, RETAINED BY THE OWNER TO VERIFY COMPLIANCE WITH ITEMS SUMMERIZED IN THE STATEMENT OF SPECIAL INSPECTION.
2. CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM THESE INSPECTIONS.

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MRK	DATE	DESCRIPTION

JOB NO.: **24026.01**
DATE: **10/16/2026**
DRAWN BY: **DN**
CHECKED BY: **JW**

PHASE: **CONSTRUCTION DOCUMENTS**

GENERAL STRUCTURAL NOTES

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GENERAL STRUCTURAL NOTES

CROSS LAMINATED TIMBER PANELS:

GENERAL:

1. MANUFACTURE CROSS LAMINATED TIMBER (CLT) MEMBERS IN CONFORMANCE WITH ANSI/APA PRG 320-2019 STANDARD FOR PERFORMANCE-RATED CROSS LAMINATED TIMBER. DEMOSTRATION OF EQUIVALENCE SHALL BE THE RESPONSABILITY OF THE MANUFACTURER

PRODUCTS:

1. PROVIDE LAMINATED TIMBER PANELS
   A. PROVIDE CLT PANELS WITH LAYUPS NOTED ON PLANS AND STRENGTHS NOTED BELOW:

CROSS LAMINATED TIMBER PANELS										
LAYUP	THICKNESS (in)	WEIGHT (psf)	MAJOR STRENGTH DIRECTION				MINOR STRENGTH DIRECTION			
			$F_b S_{eff,0}$ (lbf-ft/ft)	$EI_{eff,0}$ (10^6 lbf-in^2/ft)	$GA_{eff,0}$ (10^6 lbf/ft)	$V_{s,0}$ (lbf/ft)	$F_b S_{eff,0}$ (lbf-ft/ft)	$EI_{eff,0}$ (10^6 lbf-in^2/ft)	$GA_{eff,0}$ (10^6 lbf/ft)	$V_{s,0}$ (lbf/ft)
CLT5 PANEL	6 7/8	16.5	4,550	337	0.98	2,750	2,325	88	0.98	1,650

   B. FASTENERS:
      a. USE CONNECTIONS, SPLINES AND FASTENERS NOTED IN THE DRAWINGS OR APPROVED BY THE ARCHITECT.

EXECUTION:

1. UNLESS OTHERWISED NOTED ON PLAN, ORIENT CLT PANELS WITH EXTERIOR LAYERS PERPENDICULAR TO SUPPORTS.
2. DO NO FIELD NOTCH OR BORE CLT PANELS UNLESS APPROVED BY ARCHITECT.

GLUED-LAMINATED CONSTRUCTION:

GENERAL:

1. FABRICATE GLUED-LAMINATED (GLULAM) MEMBERS IN CONFORMANCE WITH ANSI STANDARD A190.1, "AMERICAN NATIONAL STANDARD FOR STRUCTURAL GLUED LAMINATED TIMBER"

PRODUCTS:

1. GLUED-LAMINATED TIMBER PRODUCTS
   A. PROVIDE STRUCTURAL GLUED-LAMINATED TIMBER THAT COMPLIES WITH AITC A190.1 AND AITC 117 OR RESEARCH/EVALUATION REPORTS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AS FOLLOWS:

GLUED LAMINATED MEMBERS				
COMBINATION SYMBOL (SPECIES)	USE	FLEXURAL STRESS F_b (PSI)	MODULUS OF ELASTICITY	SHEAR STRESS F_v (PSI)
24F-V4 (DF/DF)	SIMPLE SPAN	+2,400/-1,850	1,800,000	265
24F-V8 (DF/DF)	CONTINUOUS OR CANTILEVER	2,400	1,800,000	265

   B. APPEARANCE GRADE:
      a. ARCHITECTURAL WHEN EXPOSED TO VIEW
      b. INDUSTRIAL WHEN CONCEALED FROM VIEW

EXECUTION:

1. DO NO FIELD NOTCH OR BORE GLUED-LAMINATED MEMBERS UNLESS APPROVED BY ARCHITECT.

STRUCTURAL STEEL:

GENERAL:

1. DETAIL, FABRICATE, AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE FOLLOWING PROVISIONS:
   A. AISC 303 - "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
   B. AISC 360 - "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS"
   C. RCSC's - "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS"
2. COMPLY WITH THE FOLLOWING PROVISIONS FOR ALL WELDED JOINTS:
   A. AWS D1.1 - "STRUCTURAL STEEL WELDING CODE"
3. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360 SECTION J2.2b.

PRODUCTS:

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO):

TYPE	ASTM SPECIFICATION
W SHAPES AND WT SHAPES	A992, GR 50
ANGLES & CHANNELS	A36
PLATES & BARS	A36 A572, GR 50 (WHERE INDICATED)
PIPE SECTIONS	A53, GR B
HSS SECTIONS	A500 GR B
HIGH STRENGTH BOLTS (AS INDICATED IN DETAILS)	A325 OR F1852 (TWIST-OFF TYPE) A490 OR F2280 (TWIST-OFF TYPE)
ANCHOR RODS	F1554 GR 36 F1554 GR 55 S1/GR 105 (WHERE INDICATED)
COMMON/MACHINE BOLTS	A307, GR A
SHEAR CONNECTORS	A108, GRADES 1015 THROUGH 1020 AWS D1.1, TYPE B
STUD RAIL HEADED SHEAR STUD REINFORCEMENT AND ASSEMBLIES	A1044

EXECUTION:

1. DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT. PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED TO REINFORCED CONCRETE/MASONRY USING POST-INSTALLED ANCHORS, LOCATE ALL REINFORCEMENT AND CONFIRM CONSTRUCTABILITY OF ANCHOR LOCATIONS. SHOULD CONFLICTS WITH REINFORCEMENT OCCUR, SUBMIT ALTERNATE ANCHOR LOCATIONS AND REVISED STEEL FABRICATIONS TO ARCHITECT FOR REVIEW AND APPROVAL.
2. BACKUP BARS MAY REMAIN IN PLACE UNLESS NOTED IN DRAWINGS, OR WHEN ULTRASONIC TESTING INDICATES A POSSIBLE WELD DEFECT. IF DEFECTS ARE INDICATED BACKUP BAR IS TO BE REMOVED AND THE ROOT INSPECTED. IF IMPERFECTIONS ARE FOUND, THEY ARE TO BE REMOVED AND REPAIRED PER AWS REQUIREMENTS.

STEEL DECK:

GENERAL

1. FABRICATE AND INSTALL STEEL DECK ACCORDING TO THE FOLLOWING PROVISIONS:
   A. ROOF DECK: ANSI/SDI RD-2017, "STANDARDS FOR STEEL ROOF DECK."
   B. WELDING OF STEEL DECK: AWS D1.3, "SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES."

PRODUCTS

1. PROVIDE AND INSTALL ROOF DECK WITH MINIMUM SECTION PROPERTIES AS INDICATED IN ICC-ESR-1735P OR APPROVED EQUIVALENT.

EXECUTION

1. EXAMINE SUPPORTING FRAME AND FIELD CONDITIONS FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
   A. RUN UNITS CONTINUOUS OVER THREE OR MORE SPANS.
   B. PROVIDE 2" MINIMUM DECK BEARING AT ALL SUPPORTS.
2. INSTALL DECK PANELS AND ACCESSORIES ACCORDING TO ANSI/SDI STANDARDS AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. INSTALL TEMPORARY SHORING BEFORE PLACING DECK PANELS IF REQUIRED TO MEET MAX UNSHORED SPANS BY DECK MANUFACTURER.

COLD-FORMED METAL FRAMING:

GENERAL

1. FABRICATE AND INSTALL COLD-FORMED METAL FRAMING ACCORDING TO THE FOLLOWING PROVISIONS:
   A. AISI S100, "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
   B. AISI S200, "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING".
   C. WELDING OF COLD-FORMED METAL FRAMING: AWS D1.3, "SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES."

PRODUCTS

1. PROVIDE GALVANIZED COLD-FORMED STEEL STUDS, TRACKS, AND FURRING CHANNELS CONFORMING WITH ICC-ES #3064P, "PRODUCT TECHNICAL GUIDE" BY THE STEEL STUD MANUFACTURERS ASSOCIATION AND THE FOLLOWING:
   A. MATERIAL SPECIFICATION:
      a. 16 GAGE AND THICKER: ASTM A653, GRADE 50 OR ASTM A1003, GRADE 50, TYPE H
      b. 18 GAGE AND THINNER: ASTM A653, GRADE 33 OR ASTM A1003, GRADE 33, TYPE H
   B. MINIMUM SECTION PROPERTIES: BASED ON ICC-ES #3064P, "PRODUCT TECHNICAL GUIDE" BY THE STEEL STUD MANUFACTURERS ASSOCIATION.
2. SHEET STEEL FOR VERTICAL DEFLECTION AND DRIFT CLIPS:
   A. MATERIAL SPECIFICATION: ASTM A653, GRADE 50 OR ASTM A1003, GRADE 50, TYPE H
   B. COATING: G90
3. FASTENERS:
   A. EXPANSION ANCHORS: HILTI KB-TZ2, PER ICC ESR-4266
   B. POWER-ACTUATED FASTENERS: 0.157" HILTI X-U PER ICC ESR-2269
   C. SHEET METAL SCREWS: HILTI KWIK-FLEX OR ELCO DRIL-FLEX PER ICC ESR-3332
4. RIGID CLIPS:
   COLD FORMED STEEL CONNECTORS IDENTIFIED AS "RIGID CLIP" ON THE DRAWINGS SHALL BE ONE OF THE FOLLOWING:
   A. SIMPSON FCB45.5
   B. THE STEEL NETWORK (TSN) STIFFCLIP LB600
   C. CLARK DIETRICH EXTENDED UNI-CLIP UXRC6
   D. SEOR APPROVED EQUIVALENT
5. BTYASS CLIPS:
   COLD FORMED STEEL CONNECTORS IDENTIFIED AS "BYPASS CLIP" ON THE DRAWINGS SHALL BE ONE OF THE FOLLOWING PRODUCTS. STUDS SHALL BE CONNECTED TO SLOTTED BYPASS HOLES USING SHOULDERED SCREWS ACCORDING TO CLIP MANUFACTURER INSTRUCTIONS. LOCATE SCREWS IN CENTER OF SLOTTED HOLES UNLESS OTHERWISE NOTED IN THE DETAILS.
   A. SIMPSON SCB45.5
   B. THE STEEL NETWORK (TSN) VERTICLIP SLB600
   C. CLARK DIETRICH FASTCLIP SLIDE CLIP FCSC5.5-97
   D. SEOR APPROVED EQUIVALENT

EXECUTION

1. INSTALL COLD-FORMED STEEL FRAMING ACCORDING TO AISI S200 AND TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

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GENERAL STRUCTURAL NOTES

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STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING

TABLE 1 - REQUIRED GEOTECHNICAL SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION: IBC CODE REFERENCE	INSPECTION: CODE OR STANDARD REFERENCE	INSPECTION: FREQUENCY (NOTE 6) CONTINUOUS	INSPECTION: FREQUENCY (NOTE 6) PERIODIC	REMARKS
SOILS					
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	TB 1705.6 1705.6	GEOTECHNICAL REPORT	-	X	BY THE GEOTECHNICAL ENGINEER
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.			-	X	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.			-	X	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.			X	-	
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.			-	X	
STONE COLUMNS					
INSTALLATION	1703.4 1705.1.1	GEOTECHNICAL AND ICC/IAPMO EVALUATION REPORTS	X	-	BY THE GEOTECHNICAL ENGINEER. SPECIAL INSPECTIONS APPLY TO HOLE SIZE AND DEPTH, VERIFICATION OF AGGREGATE MATERIAL, NUMBER AND LIFTS OF AGGREGATE, INSTALLATION RAMMER ENERGY, AND TOP OF COLUMN ELEVATION.

TABLE 2 - REQUIRED STRUCTURAL SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION: IBC CODE REFERENCE	INSPECTION: CODE OR STANDARD...	INSPECTION: FREQUENCY (NOTE 6) CONTINUOUS	INSPECTION: FREQUENCY (NOTE 6) PERIODIC	REMARKS
FABRICATION					
INSPECTION IN FABRICATION SHOP	1704.2.5	-	-	-	WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE AS REQUIRED BY TABLE 2 AND AS REQUIRED ELSEWHERE IN THE STATEMENT OF SPECIAL INSPECTIONS. REFERENCE SECTION 1704.2.5.1 FOR APPROVED FABRICATOR EXCEPTION.
CONCRETE					
INSPECT REINFORCEMENT, INCLUDING EMBEDMENTS AND VERIFY PLACEMENT.	TB 1705.3(1) 1705.3 1908.4	ACI 318: 20, 25.2-25.3, 26.6.1-26.6.3, 26.8, 26.13.3	-	X	TOLERANCE AND REINFORCING PLACEMENT PER ACI 318: 26.6
INSPECTION OF REINFORCING STEEL WELDING	TB 1705.3(2) 1705.3.1		-	-	EXCEPT AS NOTED OTHERWISE
MATERIAL VERIFICATION OF WELD FILLER METAL	1705.3.1	ACI 318: 26.6.4 AWS D1.4: 7	-	X	MANUFACTURER'S CERTIFIED TEST REPORTS
VERIFYING USE OF PROPER WELDING PROCEDURE SPECIFICATIONS			-	X	COPY OF WELDING PROCEDURE SPECIFICATIONS
VERIFYING WELDER QUALIFICATIONS				X	COPY OF QUALIFICATION CARDS
VERIFY WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	TB 1705.3 (2.a)	AWS D1.4 ACI 318: 26.6.4	-	X	CERTIFIED MILL TEST REPORTS
INSPECT SINGLE PASS FILLET WELDS, MAXIMUM 5/16"	TB 1705.3 (2.b)		-	X	-
INSPECT ALL OTHER WELDS	TB 1705.3 (2.c)		X	-	ALL WELDS VISUALLY INSPECTED PER AWS D1.4: 7.5
INSPECT ANCHORS CAST IN CONCRETE	WAC 51-50-1705	ACI 318 17.8.2	-	X	ALL ANCHORS SHALL BE VISUALLY INSPECTED
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:					
ADHESIVE ANCHORS AND ADHESIVE REINFORCING DOWELS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	TB 1705.3 (4.a)	ACI 355.4 ICC/IAPMO EVALUATION REPORT ACI 318: 17.8.2.4,...	X	-	REFER TO ANCHOR CALLOUTS FOR SUSTAINED TENSION (ST) DESIGNATION
MECHANICAL ANCHORS, ADHESIVE ANCHORS, AND ADHESIVE REINFORCING DOWELS NOT DEFINED ABOVE.	TB 1705.3 (4.b)	ACI 355.4 ICC/IAPMO EVALUATION REPORT ACI 318: 17.8.2,...	-	X (NOTE 7)	ALL ANCHORS SHALL BE VISUALLY INSPECTED
VERIFY USE OF REQUIRED DESIGN MIX.	TB 1705.3(5) 1705.3 1904 1908.2 1908.3	ACI 318: 19, 26.4.3-26.4.4, 26.13.3	-	X	-
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	TB 1705.3(6) 1908.10	ASTM C 172 ASTM C 31 ACI 318: 26.4, 26.12	X	-	-
* INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	TB 1705.3(7) 1705.3 1908.6-8	ACI 318: 26.5, 26.13.3	X	-	-
VERIFY CURING METHOD AND DURATION OF CURING FOR EACH MEMBER.	-	ACI 318: 26.13.3.3(b)	-	X	-
* VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	TB 1705.3(8) 1705.3 1908.9	ACI 318: 26.5.3-26.5.5, 26.13.3	-	X	-
VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	TB 1705.3(11) 1705.3	ACI 318: 26.10.2, 26.11.2, 26.13.3	-	X	-
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	TB 1705.3(12) 1705.3	ACI 318: 26.11.1.2(b)	-	X	-
INSPECT REINFORCING STEEL MECHANICAL COUPLERS, TERMINATORS AND FORM SAVERS	-	ICC/IAPMO EVALUATION REPORTS	-	X	VISUALLY INSPECT FOR CORRECT ASSEMBLY AND LOCATION

STEEL

SYSTEM OR MATERIAL	INSPECTION: IBC CODE REFERENCE	INSPECTION: CODE OR STANDARD REFERENCE	INSPECTION: FREQUENCY (NOTE 8) OBSERVE	INSPECTION: FREQUENCY (NOTE 8) PERFORM	REMARKS
INSPECTION TASKS PRIOR TO WELDING:					
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	1705.2	AISC 360: TB N5.4-1 AISC 360: N5.4	-	X	CONFIRM WPS HAS BEEN APPROVED BY EOR
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE			-	X	-
MATERIAL IDENTIFICATION (TYPE/GRADE)			X	-	-
WELDER IDENTIFICATION SYSTEM			X	-	-
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY): 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)			X	-	-
CONFIGURATION AND FINISH OF ACCESS HOLES			X	-	-
FIT-UP OF FILLET WELDS: DIMENSIONS (ALIGNMENT, GAPS AT ROOT), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), BACKING TYPE AND FIT (IF APPLICABLE)			X	-	-
CHECK WELDING EQUIPMENT			-	-	FABRICATOR OR ERECTOR SHALL OBSERVE
INSPECTION TASKS DURING WELDING:					
USE OF QUALIFIED WELDERS	1705.2	AISC 360: TB N5.4-2 AISC 360: N5.4	X	-	-
CONTROL AND HANDLING OF WELDING CONSUMABLES: PACKAGING, EXPOSURE CONTROL			X	-	-
NO WELDING OVER CRACKED TACK WELDS			X	-	-
ENVIRONMENTAL CONDITIONS: WIND SPEED WITHIN LIMITS, PRECIPITATION AND TEMPERATURE			X	-	-
WPS FOLLOWED: 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)			X	-	-
WELDING TECHNIQUES: INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS			X	-	-
INSPECTION TASKS AFTER WELDING:					
WELDS CLEANED	1705.2	AISC 360: TB N5.4-3 AISC 360: N5.4	X	-	-
SIZE, LENGTH AND LOCATION OF WELDS			-	X	-
WELDS MEET VISUAL ACCEPTANCE CRITERIA: CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, POROSITY			-	X	-
ARC STRIKES			-	X	-
K-AREA			-	X	-
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)			-	X	-
REPAIR ACTIVITIES			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER			-	X	-
INSPECTION TASKS PRIOR TO BOLTING:					
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	1705.2	AISC 360: TB N5.6-1 AISC 360: N5.6	-	X	-
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS			X	-	-
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)			X	-	-
PROPER BOLTING PROCEDURE FOR JOINT DETAIL			X	-	-
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS			X	-	-
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED			X	-	-
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS			X	-	-
INSPECTION TASKS DURING BOLTING:					
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	1705.2	AISC 360: TB N5.6-2 AISC 360: N5.6	X	-	-
JOINT BROUGHT TO SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION			X	-	-
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING			X	-	-
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES			X	-	-
INSPECTION TASKS AFTER BOLTING:					
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	1705.2	AISC 360: TB N5.6-3	-	X	-
INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT:					
PLACEMENT AND INSTALLATION OF STEEL DECK	1705.2	AISC 360: TB N6.1 AISC 360: N6.1	-	X	-
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS			-	X	-
INSTALLATION OF OPEN WEB STEEL JOISTS AND JOIST GIRDERS	1705.2.3 2207.1	-	-	X	SEE JOIST MANUFACTURER FOR SPECIAL INSPECTION REQUIREMENTS ASSOCIATED WITH THE DEFERRED SUBMITTAL

STEEL DECK

INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT:					
VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES			-	X	-
INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT:					
VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES			-	X	-
INSPECTION OR EXECUTION TASKS PRIOR TO WELDING:					
WELDING PROCEDURE SPECIFICATIONS AVAILABLE (WPS)	1705.2.2	SDI QA/QC: APP. 1	X	-	-
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE			-	-	-
MATERIAL IDENTIFICATION (TYPE/GRADE)			X	-	-
CHECK WELDING EQUIPMENT			X	-	-
INSPECTION OR EXECUTION TASKS DURING WELDING:					
USE OF QUALIFIED WELDERS	1705.2.2	SDI QA/QC: APP. 1	X	-	-
CONTROL AND HANDLING OF WELDING CONSUMABLES			X	-	-
ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)			X	-	-
WPS FOLLOWED			X	-	-
INSPECTION OR EXECUTION TASKS AFTER WELDING:					
VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
WELDS MEET VISUAL ACCEPTANCE CRITERIA			-	X	-
VERIFY REPAIR ACTIVITIES			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF WELDS			-	X	-
INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING:					
MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	1705.2.2	SDI QA/QC: APP. 1	X	-	-
PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION			X	-	-
PROPER STORAGE FOR MECHANICAL FASTENERS			X	-	-
INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING:					
FASTENERS ARE POSITIONED AS REQUIRED	1705.2.2	SDI QA/QC: APP. 1	X	-	-
FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS			X	-	-
INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING:					
CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS, SIDELAP FASTENERS, AND PERIMETER FASTENERS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
VERIFY REPAIR ACTIVITIES			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS			-	X	-

STATEMENT OF SPECIAL INSPECTION AND TESTING NOTES:

1. SPECIAL INSPECTIONS SHALL CONFORM TO CHAPTER 17 OF THE IBC AND THE REFERENCE CODES AND STANDARDS LISTED IN NOTE 2. REFER TO TABLES 1 AND 2 FOR SPECIAL INSPECTION AND TABLES 3 AND 4 FOR TESTING REQUIREMENTS.
2. REFERENCE CODES AND STANDARDS ARE THOSE REFERENCED IN CHAPTER 35 OF THE CODE.
3. SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED QUALIFIED TESTING AND INSPECTING AGENCY MEETING THE REQUIREMENTS OF ASTM E 329 (MATERIALS), ASTM D 3740 (SOILS), ASTM C 1077 (CONCRETE), AND ASTM E 543 (NON-DESTRUCTIVE). SPECIAL INSPECTORS SHALL BE CERTIFIED BY THE BUILDING OFFICIAL. WELDING INSPECTORS SHALL BE QUALIFIED PER SECTION 6.1.4.1.1 OF AWS D1.1.
4. THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS. ISSUES REQUIRING IMMEDIATE CORRECTIVE ACTIONS OR ENGINEERING INPUT ARE TO BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY UPON DISCOVERY.
5. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, **STRUCTURAL** **ENGINEER** **ARCHITECT**, CONTRACTOR, AND OWNER. THE TESTING AND INSPECTING AGENCY SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.
6. CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
7. WHERE PERIODIC INSPECTION IS ALLOWED IN ACCORDANCE WITH THE ANCHOR ICC/IAPMO EVALUATION REPORT, INSPECTIONS SHALL BE AS FOLLOWS:
   - FOR ALL ANCHORS, PRIOR TO CONCEALMENT, VERIFY: ANCHOR TYPE, ANCHOR DIMENSIONS, ANCHOR SPACING AND EDGE DISTANCE.
   - FOR EACH ANCHOR TYPE AND SIZE, INSPECTOR SHALL BE ONSITE TO CONTINUOUSLY INSPECT A MINIMUM OF THE FIRST 10 ANCHORS INSTALLED BY EACH INSTALLER FOR CONFORMANCE WITH ICC/IAPMO EVALUATION REPORT. PROVIDED ALL ANCHORS ARE INSTALLED CORRECTLY PER MANUFACTURER'S INSTRUCTIONS, PROVIDE PERIODIC INSPECTION ON A MINIMUM OF 10% OF THE NEXT 1000 ANCHORS BY EACH INSTALLER AND A MINIMUM OF 5% OF THE REMAINING ANCHORS BY EACH INSTALLER. INSPECTIONS SHALL OCCUR A MINIMUM OF ONCE PER WEEK AT A RANDOM TIME WHILE ANCHOR INSTALLATION IS ONGOING. ANY NON-COMPLIANCE ISSUES SHALL RESET THE INSPECTION REQUIREMENTS TO TEN (10) CONTINUOUS INSPECTIONS. NON-COMPLIANT ANCHORS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR REVIEW AND SHALL BE BROUGHT INTO COMPLIANCE BY EITHER TESTING OR RE-INSTALLATION.
   - INSPECTION REPORTS SHALL IDENTIFY NAMES OF INSTALLERS.
   - SPECIAL INSPECTOR SHALL PROVIDE DOCUMENTATION AT THE END OF ANCHOR INSTALLATIONS STATING THAT THE MINIMUM NUMBER OF ANCHORS WERE INSPECTED.
8. OBSERVE: OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
   PERFORM: PERFORM THESE TASKS FOR EACH ELEMENT.
9. INDICATED CONCRETE TESTING MEETS MINIMUM REQUIREMENTS FOR STRUCTURAL TESTING TO BE PROVIDED BY THE APPROVED QUALIFIED TESTING AND INSPECTING AGENCY. ADDITIONAL TESTING FOR CONSTRUCTION CONSIDERATIONS ARE NOT INDICATED AND SHALL BE DETERMINED BY THE CONTRACTOR AND PROVIDED AT CONTRACTOR'S EXPENSE.

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MRK	DATE	DESCRIPTION

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PHASE: **CONSTRUCTION DOCUMENTS**

STATEMENT OF SPECIAL INSPECTIONS

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