

To: **Perspective Bidders**

Suite 701

May 14, 2025

Haley Ward, Inc.

One Merchant Plaza

Bangor, Maine 04401

Connor School Renovations Connor Consolidated School

Date:

Re:

From:

This Addendum forms a part of the Contract Documents and modifies the original bidding documents dated April 23, 2025. Please acknowledge receipt of this Addendum #1 in the space provided on the Bid Form; failure to do so may subject the Bidder to disqualification. The original conditions govern all work unless specifically exempted or modified herein.

This Addendum consists of 23 pages including two attachments and is being issued for the replacement of specific specification sections, drawings sheets, clarifications, and requests for more information.

REPLACE THE REVISED SPECIFICATION SECTION

- 00 11 13 Notice to Contractors, bid date changed to May 30th.
- 01 10 00 Summary, Section 1.10 Work Restrictions added.
- Rough Carpentry 06 10 00

REPLACE THE REVISED DRAWING SHEETS

- A102 Roof Plan and Reflected Ceiling Plan
- Millwork Details A504
- S001 Structural Notes
- S003 **Special Inspections**

CLARIFICATIONS

1. Should exposed ductwork in classrooms be painted? Yes, the new exposed ductwork shall be painted white.

2. What is the existing building control system. Based on the upgraded plans circa 1998, it appears the boiler plant has its own standalone controls and is activated by a time clock and outdoor temperature. Thermostat / zone valves standalone as well.

3. Is surface mounted wire mold acceptable for controls and other electrical systems, appliances? Where code allows it may be used.



4. Is an existing fire alarm schematic available? Existing fire alarm documents are not available at this time.

5. All metal fabrication to be done by AISC certified shop? AISC certified shop is required.

6. The Residential Casework Spec refers to Section 062000 and 064100 neither of these specs are included in this documents. Disregard residential casework references. Custom cabinets with overlay slab doors in TFL or plastic laminate finish is acceptable. Eased edge countertops and backsplash per drawings/specs. Colors to be determined.

7. It does not mention but from the plan view you can see that there is some kind of deal tray, usually installed in the countertop sill for the security window. Do you want to plan on quoting that as well as laminate for the countertop? Security window with integral dealer tray per spec.

8. *Is there an apron under the security window on the office side? Assume wood/clear finish?* **Security window with integral dealer tray per spec.**

9. Drawing A301, is there any insulation in the ceiling trusses? No insulation at ceiling/truss space. Insulation at roof deck and walls.

10. Drawing A301, is there any vapor barrier on the trusses? No vapor barrier.

11. Drawing A301, is there any strapping on the trusses? No strapping or mesh required.

12. Roof sheathing shown as 5/8, what product do you want plywood or Advantech, T&G or clips or blocking? Roof sheathing to be 5/8" APA rated exposure 1 plywood or Advantech. T&G or plyclips are required where blocking is not used. Blocking as shown on drawings.

13. Plans do not show ceiling insulation, spec calls for 3.5"? No insulation at ceiling/truss space. Insulation at roof deck and walls.

14. Do not see any glazing specs for the standard tempered glass for the Aluminum, only security and plastic windows. Safety glazing required at glass doors and glazing adjacent to doors.

ADDITIONAL INFORMATION

School Schedule. Pre-Bid Attendance List.

00 11 13 Notice to Contractors

Connor School Renovations

PT 3403

The work of this project will consist of renovations to the Connor School located at 1581 Van Buren Road, Connor Township, Maine. Renovations shall include parking lot and site renovations, the drilling of a new well, new fencing, new site lighting, new sidewalks, an office and vestibule renovation/addition, a new water heater, mechanical upgrades and improvements, floor drain improvements, new mechanical control systems, new interior lighting systems, the replacement of electrical main distribution panels and sub panels, and the renovation of existing fire alarm systems.

The contract shall designate the Substantial Completion Date on or before 06 March 2026, and the Contract Final Completion Date on or before 31 March 2026.

1. Submit bids on a completed Contractor Bid Form (section 00 41 13), provided in the Bid Documents, include bid security when required, and scan each item as an attachment to an email addressed to: BGS.Architect@Maine.gov, so as to be received no later than **1:30 p.m.** on **30 May 2025**. The email subject line shall be marked "Bid for *Connor School Renovations*".

Bid submissions will be opened and read aloud at **2:00 p.m.** on the date noted above at the Bureau of General Services office, accessible as a video conference call. Those who wish to participate in the call must submit a request for access to BGS.Architect@Maine.gov.

Any bid received after the noted time will not be considered a valid bid and will remain unopened. Any bid submitted by any other means will not be considered a valid bid. In certain circumstances, the Bureau of General Services may require the Bidder to surrender a valid paper copy of the bid form or the bid security document. The Owner reserves the right to accept or reject any or all bids as may best serve the interest of the Owner.

- 2. Questions and comments on the *bid opening process* shall be addressed to: Division of Planning, Design & Construction, Bureau of General Services, 77 State House Station, Augusta, Maine 04333-0077, BGS.Architect@Maine.gov.
- 3. Questions and comments regarding the *project* design specifications or drawings shall be directed in writing to the Consultant during the bid period prior to the question and comment deadline of 5:00 p.m. on *16 May 2025*.

Haley Ward, Inc. Jared Merry, P.E. jmerry@haleyward.com or Matthew Carter, AIA mcarter@haleyward.com

00 11 13 Notice to Contractors

4. \square Bid security is required on this project.

The Bidder shall include a satisfactory Bid Bond (section 00 43 13) or a certified or cashier's check for 5% of the bid amount with the completed bid form submitted to the Owner. The Bid Bond form is available on the BGS website.

or

- \Box Bid security is <u>not</u> required on this project.
- 5. ☑ Performance and Payment Bonds are required on this project. If noted above as required, or if any combination of Base Bid and Alternate Bids amounts selected in the award of the contract exceeds \$125,000.00, the selected Contractor shall furnish a 100% contract Performance Bond (section 00 61 13.13) and a 100% contract Payment Bond (section 00 61 13.16) in the contract amount to cover the execution of the Work. Bond forms are available on the BGS website.
 - or

□ Performance and Payment Bonds are <u>not</u> required on this project.

- 6. Filed Sub-bids *are not required* on this project.
- 7. Dere-qualified General Contractors are utilized on this project.
 - or
 - Pre-qualified General Contractors are <u>not</u> utilized on this project.
- 8. ⊠ An on-site pre-bid conference (□ *mandatory* or ⊠ *optional*) will be conducted for this project. The pre-bid conference is intended for General Contractors. Subcontractors and suppliers are welcome to attend. Contractors who arrive late or leave early for a mandatory meeting may be prohibited from participating in this meeting and bidding.

Tuesday, 29 April 2025 @ 2:00 p.m. Connor Consolidated School 1581 Van Buren Road Connor Township, ME 04736-6118

or

- \Box An on-site pre-bid conference will <u>not</u> be conducted for this project.
- 9. Bid Documents full sets only will be available on or about 22 April 2025 and may be obtained *for a* \$100 registration fee from:

Haley Ward, Inc. One Merchants Plaza, Suite 701 Bangor, ME 04401 (207) 989-4824

00 11 13 Notice to Contractors

10. Bid Documents may be examined at: *AGC Maine* 188 Whitten Road, Augusta, ME 04330 207-622-4741

Construction Summary 734 Chestnut Street, Manchester, NH 03104 603-627-8856

SECTION 01 10 00

SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

- 1. Contract description.
- 2. Work by Owner or other Work at the Site.
- 3. Owner-furnished products.
- 4. Contractor's use of Site and premises.
- 5. Future work.
- 6. Work sequence.
- 7. Owner occupancy.
- 8. Permits.
- 9. Specification conventions.

1.2 CONTRACT DESCRIPTION

- A. Work of the Project includes alteration and renovation to the following features at the Connor School in Connor Township, Maine:
 - 1. Site/Civil
 - a. Capping/decommissioning of existing well.
 - b. Provision of a new well and associated piping to connect with building plumbing system.
 - c. Repaving and restriping of existing parking lot.
 - d. Provision of additional spaces at existing parking lot.
 - e. Provision of new, fenced dumpster pad.
 - f. Provision of new asphalt paved sidewalks at renovated building entrance.
 - g. Provision of new concrete plaza at renovated building entrance.
 - h. Provision of new fenced enclosure with entrances at existing playground.
 - i. Provision of new site lighting at paved apron around the building.
 - j. Provision of handrail at south building entrance ramp.
 - k. Provision of miscellaneous regrading and stone maintenance edge around the building as indicated on the Drawings.
 - 2. Architectural
 - a. Removal of existing building features as indicated on the Demolition Plans.
 - b. Construction of a new building entrance vestibule and adjacent administrative offices addition. Addition includes the following features:
 - 1) New concrete foundations and floor slabs at the addition.
 - 2) Exterior walls are masonry veneer/block backup cavity wall construction.
 - 3) Bullet resistant block wall with bullet resistant transaction window between Front Office and Entrance Vestibule.
 - 4) Wood stud/GWB partition walls between interior rooms and at interior faces of masonry walls.



- 5) New storefront system at Entrance Vestibule exterior and interior openings.
- 6) New doors and windows as indicated on the drawings.
- 7) New steel support columns as indicated on the drawings.
- 8) Roof structure composed of wood structural framing, wood girder trusses, and plywood decking as indicated on the drawings.
- 9) New EPDM membrane roof over tapered rigid insulation panels at addition. Taper insulation to interface with existing roof system.
- c. Renovation of existing staff office to be a new Staff Break Room.
 - 1) New base and wall cabinets in Staff Break Room.
 - 2) Installation of new Refrigerator (OS/CI) in Staff Break Room.
 - 3) Installation of new sink and casework in Staff Break Room.
 - 4) Installation of new floors in Staff Break Room.
- 3. Plumbing
 - a. Replace the existing water heater with a new heat pump hybrid water heater.
 - b. Replace existing floor drain traps with new traps to connect new trap primer piping.
 - c. Install new trap primer unit in Janitor's closet and piping to/from bathroom floor drains, see plans for extent of piping and connection points.
- 4. Mechanical
 - a. Demolition of existing ductwork, piping, and equipment as indicated on MEP Demolition Plans.
 - b. Replacement of existing boilers.
 - c. Provision of new ERV units and associated ductwork and piping in existing Classrooms, the existing Library, the new addition, and the existing Multipurpose Room.
 - d. Provision of new VRF Heat Pump Units as indicated on MEP Drawings.
 - e. New controls and thermostats for the building mechanical system.
 - f. Miscellaneous Electric Unit Heaters and hydronic kickspace heaters in the new Entrance Vestibule and Staff Break Room.
- 5. Electrical
 - a. Installation of new 120/208V/3-Phase electrical service with all required accessories and indicated on the MEP Drawings.
 - b. Replacement of existing MDP and Sub Panels with new units as indicated on the MEP Drawings.
 - c. Replacement of existing lighting with new LED units and installation of new LED lighting, as indicated on the MEP Drawings.
 - d. Provision of new site lighting, as indicated on the Site/Civil and MEP Drawings.
 - e. Demolition and replacement of existing equipment circuits and provision of new equipment circuits as indicated on the MEP Drawings.
 - f. Provision of new Receptacle circuits in the addition and breakroom as shown on the MEP Drawings.
 - g. Provision of new Fire Alarm devices in the addition, connect devices into existing Fire Alarm system. Relocate existing devices as required for addition modifications.



1.3 OWNER-FURNISHED PRODUCTS

- A. Owner's Responsibilities:
 - 1. Arrange for and deliver Owner-reviewed Shop Drawings, Product Data, and Samples to Contractor.
 - 2. Arrange and pay for delivery to Site.
 - 3. Upon delivery, inspect products jointly with Contractor.
 - 4. Submit claims for transportation damage and replace damaged, defective, or deficient items.
 - 5. Arrange for manufacturers' warranties, inspections, and service.
- B. Contractor's Responsibilities:
 - 1. Review Owner-reviewed Shop Drawings, Product Data, and Samples.
 - 2. Receive and unload products at Site; inspect for completeness or damage jointly with Owner.
 - 3. Handle, store, install, and finish products.
 - 4. Repair or replace items damaged after receipt.
- C. Items furnished by Owner for installation by Contractor:
 - 1. New Refrigerator in the Staff Break Room.

1.4 CONTRACTOR'S USE OF SITE AND PREMISES

- A. Limit use of Site and premises to allow:
 - 1. Owner occupancy.
 - 2. Use of Site and premises by the public.
- B. Emergency Building Exits during Construction: Provide code compliant exiting during construction.
- C. Construction Operations: Limited to areas indicated on Drawings.
 - 1. Noisy and Disruptive Operations (such as Use of Jack Hammers and Other Noisy Equipment): Not allowed in close proximity to existing building during regular hours of operation. Coordinate and schedule such operations with Owner to minimize disruptions. Coordinate noisy and disruptive operations with Owner and Architect.
- D. Time Restrictions for Performing Interior and Exterior Work: Coordinate with Owner and Architect.
- E. Utility Outages and Shutdown:
 - 1. Coordinate and schedule electrical and other utility outages with Owner.
 - 2. Outages: Allowed only at previously agreed upon times. In general, schedule outages at times when facility is not being used.
 - 3. At least one week before scheduled outage, submit Outage Request Plan to Owner and Architect itemizing the dates, times, and duration of each requested outage.
- F. Construction Plan: Before start of construction, submit three copies of construction plan regarding access to Work, use of Site, and utility outages for acceptance by Owner.



After acceptance of plan, construction operations shall comply with accepted plan unless deviations are accepted by Owner in writing.

1.5 FUTURE WORK

A. Project is designed for future addition of an emergency generator. Please coordinate work plans with Owner and Architect so that the future installation of this system is accommodated.

1.6 WORK SEQUENCE

- A. Construct Work in order to accommodate Owner's occupancy requirements during construction period. Coordinate construction schedule and operations with Architect/Engineer and Owner:
- B. Sequencing of Construction Plan: Before start of construction, submit three copies of construction plan regarding phasing of demolition, renovation, and new Work for acceptance by Owner. After acceptance of plan, construction sequencing shall comply with accepted plan unless deviations are accepted by Owner in writing.

1.7 OWNER OCCUPANCY

- A. Owner will occupy Site and premises during the regularly scheduled school year for conduct of normal operations.
- B. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- C. Schedule the Work to accommodate Owner occupancy.

1.8 PERMITS

- A. Furnish all necessary permits for construction of Work including the following:
 - 1. Building permit.
 - 2. Stormwater permit.
 - 3. Dewatering permit.

1.9 SPECIFICATION CONVENTIONS

- A. These Specifications are written in imperative mood and streamlined form. This imperative language is directed to Contractor unless specifically noted otherwise. The words "shall be" are included by inference where a colon (:) is used within sentences or phrases.
- 1.10 WORK RESTRICTIONS
 - A. Controlled Substances: Use of tobacco products and other controlled substances on Project site is not permitted.
 - B. Employee Identification: Provide identification tags for Contractor personnel working on Project site. Require personnel to use identification tags at all times.



C. Employee Screening: Comply with Owner's requirements for drug and background screening of Contractor personnel working on project site.
1. Maintain a list of approved screened personnel with Owner's representative.

PART 2 - PRODUCTS - Not Used

PART 3 - EXECUTION - Not Used

END OF SECTION

SECTION 06 10 00

ROUGH CARPENTRY

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Structural wall and roof framing.
 - 2. Built-up structural columns.
 - 3. Wall, and roof sheathing.
 - 4. Sill, gaskets flashings.
 - 5. Preservative treatment of wood.
 - 6. Fire-retardant treatment of wood.
 - 7. Miscellaneous framing and sheathing.
- B. Related Requirements:
 - 1. Section 06 17 53.00 Shop fabricated wood trusses.

1.2 REFERENCE STANDARDS

- A. American National Standards Institute / American Hardboard Association:
 1. ANSI/AHA A135.4 Basic Hardboard.
- B. American Wood Protection Association:
 - 1. AWPA M4 Standard for the Care of Preservative-Treated Wood Products.
 - 2. AWPA U1 Use Category System: User Specification for Treated Wood.
- C. APA The Engineered Wood Association:
 - 1. APA Plywood Design Specification, including supplements.
 - 2. APA AFG-01 Adhesives for Field-Gluing Plywood to Wood Framing.
 - 3. APA PS 1 Voluntary Product Standard Structural Plywood.
- D. ASTM International:
 - 1. ASTM A153 Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
 - 2. ASTM B695 Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel.
 - 3. ASTM C1177 Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing.
 - 4. ASTM C1280 Standard Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing.
 - 5. ASTM C1396 Standard Specification for Gypsum Board.
 - 6. ASTM D2559 Standard Specification for Adhesives for Bonded Structural Wood Products for Use Under Exterior Exposure Conditions.
 - 7. ASTM D3498 Standard Specification for Adhesives for Field-Gluing Plywood to Lumber Framing for Floor Systems.



- 8. ASTM D5456 Standard Specification for Evaluation of Structural Composite Lumber Products.
- 9. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.
- 10. ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials.
- 11. ASTM F1667 Standard Specification for Driven Fasteners: Nails, Spikes, and Staples.
- E. California Department of Health Care Services:
 - 1. CA/DHS/EHLB/R-174 Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers.
- F. Forest Stewardship Council:1. FSC Guidelines.
- G. Green Seal:
 - 1. GS-36 Green Seal Standard for Adhesives for Commercial Use.
- H. National Lumber Grades Authority:1. NLGA Standard Grading Rules for Canadian Lumber.
- I. Northeastern Lumber Manufacturers Association:
 1. NELMA Standard Grading Rules for Northeastern Lumber.
- J. Redwood Inspection Service:
 1. RIS Standard Specifications for Grades of California Redwood Lumber.
- K. South Coast Air Quality Management District:1. SCAQMD Rule 1168 Adhesive and Sealant Applications.
- L. Southern Pine Inspection Bureau:
 - 1. SPIB Standard Grading Rules for Southern Pine Lumber.
- M. U.S. Department of Commerce National Institute of Standards and Technology:
 - 1. DOC PS 1 Structural Plywood.
 - 2. DOC PS 2 Performance Standard for Wood-Based Structural-Use Panels.
 - 3. DOC PS 20 American Softwood Lumber Standard.
- N. West Coast Lumber Inspection Bureau:1. WCLIB Standard 17 Grading Rules for West Coast Lumber.
- O. Western Wood Products Association:1. WWPA Western Lumber Grading Rules.
- 1.3 COORDINATION
 - A. Section 01 30 00 Administrative Requirements: Requirements for coordination.



B. Coordinate Work of this Section with installation of prefabricated wood trusses.

1.4 SUBMITTALS

- A. Section 01 33 00 Submittal Procedures: Requirements for submittals.
- B. Product Data: Submit manufacturer information on insulated sheathing, wood preservative materials, and application instructions.
- C. Shop Drawings for Site-Fabricated Truss Frame: Indicate dimensions, wood species and grades, component profiles, drilled holes, fasteners, connectors, erection details, and sequence.
- D. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.5 QUALITY ASSURANCE

- A. Perform Work according to:
 - 1. Lumber Grading Agency: Certified by DOC PS 20.
 - 2. Wood Structural Panel Grading Agency: Certified by APA The Engineered Wood Association.
 - 3. Lumber: DOC PS 20.
 - 4. Wood Structural Panels: DOC PS 1 or PS 2.
- B. Surface-Burning Characteristics:
 - 1. Fire-Retardant-Treated Materials: Maximum 25/450 flame-spread/smokedeveloped index when tested according to ASTM E84.
- C. Apply label from agency approved by authority having jurisdiction to identify each preservative-treated material.
- D. Maintain copy of each standard affecting Work of this Section on Site.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 Product Requirements: Requirements for transporting, handling, storing, and protecting products.
- B. Inspection: Accept materials on Site in manufacturer's original packaging and inspect for damage.
- C. Store materials according to manufacturer instructions.
- D. Protection:
 - 1. Protect trusses from warping or other distortion by stacking in vertical position and bracing to resist movement.
 - 2. Provide additional protection according to manufacturer instructions.



PART 2 - PRODUCTS

2.1 FIREBLOCKING AND DRAFTSTOPPING

- A. Fireblocking:
 - 1. Solid Lumber:
 - a. Nominal Thickness: 2 inches.
 - 2. Structural Wood Panel:
 - a. Thickness: 23/32 inch.
 - b. Joints: Backed by structural wood panel.
- B. Draftstopping:
 - 1. Gypsum Board: 1/2 inch (13 mm) thick.

2.2 MATERIALS

- A. Lumber:
 - 1. Lumber Grading Rules: Comply with APA, WCLIB, or WWPA.
 - 2. Studding:
 - a. Species: Doughlas Fir-Larch.
 - b. Grade: No. 2.
 - c. Maximum Moisture Content: 19 percent.
- B. Sheathing:
 - 1. Wood Structural Panel Roof Sheathing:
 - a. Description: APA rated plywood or Huber Advantech
 - b. Span Rating: 40/20.
 - c. Exposure Durability: Exposure 1.
 - d. Facing: Unsanded.
 - e. Faces: Water-repellent paper.
 - 2. Wood Structural Panel Wall Sheathing:
 - a. Description: APA rated plywood or Huber Advantech
 - b. Span Rating: 32/16.
 - c. Exposure Durability: Exposure 1.
 - d. Facing: Unsanded.
 - e. Faces: Water-repellent paper.
 - 3. Gypsum Wall Sheathing:
 - a. Comply with ASTM C1396 Type X fire resistant.
 - b. Thickness: 5/8 inch.
 - c. Sheet Size: 24 by 96 inches.
 - d. Edges: Square.
 - e. Faces: Water-repellent paper.



2.3 FACTORY WOOD TREATMENT

- A. Wood Preservative (Pressure Treatment): AWPA U1, Commodity Specifications A-Sawn Products or F-Wood Composites, using SBX preservative.
- B. Wood Preservative (Surface Application):
 - 1. Type: Clear.
- C. Moisture Content after Treatment: Kiln dried (KDAT):
 - 1. Lumber: Maximum 19 percent.
 - 2. Structural Panels: Maximum 15 percent.

2.4 ACCESSORIES

- A. Fasteners and Anchors:
 - 1. Fasteners:
 - a. High-Humidity and Treated Wood Locations: hot-dip galvanized steel.
 - b. Elsewhere: Unfinished steel.
 - 2. Nails and Staples: Comply with ASTM F1667.
 - 3. Drywall Screws:
 - a. Description: Bugle head, hardened steel, power-driven.
 - b. Length: To achieve full penetration of sheathing substrate.
- B. Structural Framing Connectors:
 - 1. Material: Hot-dipped galvanized steel.
 - 2. Size: To suit framing conditions.
- C. Sill Gasket on Top of Foundation Wall:
 - 1. Material: Closed-cell polyethylene foam from continuous rolls.
 - 2. Thickness: 1/4 inch.
 - 3. Width: Plate width.

PART 3 - EXECUTION

3.1 APPLICATION

- A. Framing:
 - 1. Select individual pieces such that knots and defects will not interfere with placement of bolts when nailing or making connections.
 - 2. Discard defective pieces.
 - 3. Set structural members level, plumb, and in correct position.
 - 4. Fasten framing according to applicable code.
 - 5. Make provisions for erection loads and for sufficient temporary bracing to maintain that structure is safe, plumb, and in alignment until completion of erection and installation of permanent bracing.
 - 6. Place horizontal members crown side up.
 - 7. Construct load-bearing framing members full length without splices.
 - 8. Openings:



- a. Space short studs over and under opening to stud spacing.
- 9. Headers:
 - a. Construct double-joist headers at floor openings, ceiling openings, and under-wall stud partitions parallel to floor joists.
 - b. Frame rigidly into joists.
- 10. Sill Gaskets:
 - a. Place directly on cementitious foundation.
 - b. Puncture gasket clean and fit tight to protruding foundation anchor bolts.
- B. Sheathing:
 - 1. Install gypsum sheathing according to ASTM C1280.
 - 2. Fasten sheathing according to applicable code.
 - 3. Secure roof sheathing with longer edge (strength axis) perpendicular to framing members, with ends staggered and sheet ends over bearing.
 - 4. Fully engage tongue-and-groove edges.
- C. Fireblocking and Draftstopping:
 - 1. Install fireblocking to cut off concealed draft openings.
 - 2. Concealed Framed Wall and Furred Spaces: Install fireblocking vertically at floor and ceiling levels and horizontally at maximum 10 feet o.c.
 - 3. Install fireblocking between:
 - a. Vertical walls and partitions.
 - b. Horizontal floor and roof framing.
 - c. Soffits, dropped ceilings, cove ceilings, and other horizontal concealed spaces.
 - d. Stair Stringers: Furnish at top and bottom of each rung.
 - 4. Exterior Combustible Architectural Trim: Install fireblocking at maximum 20 feet o.c.
- D. Site-Applied Wood Treatment:
 - 1. Brush-apply one coat of preservative treatment on wood in contact with cementitious materials and roofing and related metal flashings.
 - 2. Treat Site-sawn cuts by applying preservative according to AWPA M4.
 - 3. Allow preservative to dry prior to erecting members.

3.2 TOLERANCES

- A. Section 01 40 00 Quality Requirements: Requirements for tolerances.
- B. Framing and Furring Members to Receive a Finished Wall or Ceiling: Align finish surface to vary not more than 1/8 inch from a theoretical plane or surface of the room or space.
- C. Other Framing Members: Maximum 1/4 inch from indicated position.

END OF SECTION











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SA	NN LUMBER NOTES:	STRUCTURAL STEEL NOTES:	OUNDAT
1.	ALL WOOD FRAMING MEMBERS INCLUDING BUT NOT LIMITED TO WALL STUDS AND JOISTS, ARE INTENDEDT ACT AS A SYSTEM AS DETAILED IN THE STRUCTURAL DRAWINGS AND ONCE CONSTRUCTION IS COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE SAFETY AND STABILITY OF	0 1. ALL STRUCTURAL STEEL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 1 AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S "SPECIFICATION FOR STRUCTURAL 1 STEEL BUILDINGS" AND THE "AISC CODE OF STANDARD PRACTICE."	DESIGN BEARING
	WOOD FRAMING SYSTEMS (I.E. TEMPORARY BRACING IF REQUIRED) DURING CONSTRUCTION AS A RESULT OF CONSTRUCTION METHODS AND SEQUENCES. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL SAWN LUMBER FINISH REQUIREMENTS.	2. ALL STRUCTURAL STEEL SHAPES AND PLATES SHALL CONFORM TO THE FOLLOWING:	2. ALL DEL STRUCT REMOVE
2.	ALL SAWN LUMBER SHALL CONFORM TO THE WESTERN WOOD PRODUCTS ASSOCIATION OR THE WEST COAST LUMBER INSPECTION BUREAU GRADING RULES. LUMBER SHALL BE OF THE SPECIES AND GRADE SHOWN BELOW:	W AND WT SHAPES ASTM A992 S SHAPES, CHANNEL, ANGLE & PLATE ASTM A36 3 HSS ASTM A500, GRADE B PIPES ASTM A53, GRADE B	3. NO FOU WATER. CONCRE
	MEMBER GRADE 2x AND 4x FRAMING DOUGLAS FIR-LARCH NO. 2 5x AND GREATER BEAMS DOUGLAS FIR-LARCH NO. 1 POSTS/COLUMNS DOUGLAS FIR-LARCH NO. 1	3. THE STRUCTURAL STEEL FABRICATOR SHALL BE AN AISC CERTIFIED FABRICATOR. 4 MINIMUM CATEGORY "SBD" CERTIFICATION. (SUBMIT FABRICATOR CERTIFICATION FOR APPROVAL)	I. FROST V TO BACH TO GRAI
	WOOD STUDS IN BEARING WALLS SHALL BE OF THE SIZE, GRADE, AND SPACING NOTED BELOW UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL STUD BEARING WALLS REQUIRE SHEATHING ON A MINIMUM OF ONE SIDE OF THE WALL. WHERE PLYWOOD SHEATHING DOES NOT EXIST AS NOTED IN THE DRAWINGS,	4. ALL SHOP INSPECTION SHALL BE COMPLETED BY THE FABRICATOR'S INSPECTOR. SHOP 5 INSPECTION SHALL BE IN ACCORDANCE WITH AISC, AWS, AND AS OUTLINED IN THE	5. RETAINII MEET SF
	THE SHEATHING MAY CONSIST OF 3/4" GYPSUM SHEATHING ATTACHED WITH #8 SCREWS AT 8" ON CENTER AT ALL PANEL EDGES AND AT 12" O.C. IN THE FIELD. WHERE ARCHITECTURAL FINISHES ARE APPLIED TO FLOORS ABOVE PRIOR TO THE MINIMUM SHEATHING REQUIREMENTS BEING INSTALLED ON THE STUD BEARING WALLS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ADEQUACY OF THE	CONTRACT DRAWINGS. 6 5. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC "MANUAL OF STEEL CONSTRUCTION" (14TH EDITION) AND THE AISC"SPECIFICATIONS FOR	5. SELECT MAXIMU THE MAX
	UNSHEATHED BEARING WALL AND TO PROVIDE BRACING AS REQUIRED. <u>MEMBER AND SPACING</u> REF. PLANS <u>GRADE</u> DOUGLAS FIR-LARCH NO. 2 EXTERIOR AND INTERIOR BEARING WA	STRUCTURAL STEEL BUILDINGS (2005 EDITION). LS 6. ALL STEEL DETAILS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE 7 DESCRIPTION OF THE ADD INVALUES OF STEEL CONSTRUCTION (41TH EDITION)	PROCTO
3.	STORAGE OF ALL LUMBER AND TIMBER ON SITE SHALL BE KEPT OFF GROUND, UNDER COVER AND PROTECTED FROM DAMAGE	7. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING OR GUYS TO PROVIDE LATERAL SUPPORT UNTIL THE PERMANENT LATERAL FORCE RESISTING SYSTEM IS	VEGETA DELETEI THE FOL
4. 5.	ALL DIMENSIONAL LUMBER SHALL BE CERTIFIED BY THE SUPPLIER IN WRITING TO BE KILN DRIED STRUCTURE SHALL NOT BE ENCLOSED UNLESS LUMBER MOISTURE CONTENT HAS BEEN VERIFIED TO	INSTALLED.8. THE CONTRACTOR SHALL COORDINATE BOTTOM OF BASE PLATE ELEVATION WITH THE	
	BE AT OR BELOW 15%. ANY SIGNS OF MOLD SHALL BE REMOVED AND TREATED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS OR INDUSTRY STANDARDS.	TOP OF CONCRETE ELEVATION PLUS ALLOWANCE FOR GROUT BED. IN CASE OF CONFLICT THE CONTRACTOR SHALL MAKE ALLOWANCE IN THE BID FOR THE MORE STRINGENT REQUIREMENT.	
б. 7	ALL LUMBER IN CONTACT WITH THE GROUND, CONCRETE SHALL BE PRESSURE TREATED. CONTRACTOR MAY SUBMIT FOR APPROVAL, A MOISTURE BARRIER IN-LIEU OF THE PRESSURE TREATED WOOD	9. CUTS OR BURNING OF HOLES IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED.	
7.	HOT-DIPPED ZINC-COATED GALVANIZED STEEL, OR STAINLESS STEEL AND SHALL FOLLOW CURRENT SIMPSON GUIDELINES BASED ON WEATHER EXPOSURE. WHERE STAINLESS STEEL CONNECTORS OR HOT DIPPED GALVANIZED CONNECTORS ARE SPECIFIED IN THE DRAWINGS, STAINLESS STEEL OR HOT DIPPED GALVANIZED FASTENERS SHALL BE USED TO MATCH THE CONNECTOR TYPE	10. ALL NUTS INDICATED "FINGER TIGHT" SHALL BE HAND TIGHTENED AS REQUIRED TO INSTALL ELEMENTS. DO NOT TIGHTEN NUTS INDICATED AS "FINGER TIGHT" BY 8 MECHANICAL MEANS. TACK WELD "FINGER TIGHT" NUTS IN PLACE OR PROVIDE JAM NUT TO PREVENT BACK OFF.	B. ON SITE USED AS WALLS F
8.	ALL PLATES AND LEDGERS SHALL BE FASTENED WITH A MINIMUM (3) ANCHORS PER PIECE.	11. ALL STEEL TO STEEL CONNECTIONS SHALL BE SIMPLE SHEAR CONNECTIONS UNLESS NOTED OTHERWISE.	SELECT 9. FIELD QU
9.	COMPANY. SUBSTITUTIONS SHALL NOT BE MADE. ALL ITEMS SHALL BE INSTALLED PER THE SIMPSON'S INSTALLATION REQUIREMENTS. ALL NAIL HOLES SHALL BE FILLED WITH THE RECOMMENDED FASTENER UNLESS NOTED OTHERWISE ON THE DRAWINGS	12. ALL SIMPLE SHEAR CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS UNLESS NOTED AS SLIP CRITICAL.	BY AN IN OWNER) SPECIAL
10.	WHERE FRAMING HANGERS OR WOOD CONNECTIONS ARE REQUIRED BUT HAVE NOT BEEN SPECIFIED ON THE STRUCTURAL DRAWINGS, PLEASE CONTACT EOR FOR APPROPRIATE	 MINIMUM NUMBER OF BOLTS FOR ANY CONNECTION SHALL BE TWO. ALL STEEL TO STEEL CONNECTIONS SHALL EXTEND AT LEAST 2/3 THE DEPTH OF THE 	0. CONCRE CONCRE
11.	ALL WALLS SHALL HAVE DOUBLE TOP PLATES AND SHALL BE SPLICED PER THE TYPICAL TOP PLATE SPLICE DETAIL, UNLESS NOTED OTHERWISE. TOP PLATES AT WALL INTERSECTIONS SHALL BE LAPPED AND NAILED WITH (3) 16d NAILS.	15. SHOP CONNECTIONS NOT SPECIFICALLY INDICATED ON THE DRAWINGS MAY BE WELDED OR BOLTED. FIELD CONNECTIONS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL BE BOLTED.	1. COORDII MINIMIZE WHERE
12.	WHERE ROOF MEMBERS OR ROOF TRUSSES ARE CONNECTED TO EXTERIOR WALLS OR WALLS W/ PLYWOOD SHEATHING, THE SPECIFIED HURRICANE CLIP SPECIFIED SHALL BE PLACED ON THE SIDE OF	16. ALL WELDING ELECTRODES SHALL BE E70 WITH A MINIMUM YIELD STRENGTH OF 58KSI, MINIMUM TENSILE STRENGTH OF 70 KSI, AND MINIMUM ELONGATION OF 22% IN	2. THE CON TO THE S A. C
13.	HOLES FOR BOLTS SHALL BE DRILLED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16".	17. ALL WELD MATERIAL SHALL HAVE A MINIMUM CVN TOUGHNESS OF 20 FT-LBS AT MINUS 10 DEGREES FAHRENHEIT AND 40 FT-LB AT 70° FAHRENHEIT	в. С
14.	ALL BOLTS, CARRIAGE BOLTS, LAG SCREWS, EXPANSION BOLTS AND EPOXY BOLTS SHALL BE INSTALLED WITH STANDARD CUT WASHERS UNDER THE BOLT HEADS AND NUTS THAT BEAR DIRECTLY ON THE	 18. 100% OF ALL SHOP FULL PENETRATION WELDS SHALL BE ULTRASONICALLY TESTED AND ALL DEFECTS REPAIRED. 	POST INS
	WOOD. ALL NUTS SHALL BE TIGHTENED AT THE TIME OF INSTALLATION AND RE-TIGHTENED IF NECESSARY, DUE TO WOOD SHRINKAGE, PRIOR TO CLOSE-IN OR AT THE COMPLETION OF THE PROJECT. BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1. WOOD SCREWS SHALL	19. ALL STRUCTURAL STEEL SHALL BE SHOP PRIMED WITH FABRICATOR'S STANDARD LEAD AND CHROMATE FREE PRIMER UNO OR UNLESS STEEL IS TO BE FIREPROOFED OR IS	1. NOTED I OF CON
	CONFORM TO B18.6.1. ALL BOLTS SHALL CONFORM TO ASTM A307 GRADE A UNLESS NOTED OTHERWISE. THE MINIMUM STRENGTHS FOR LAG SCREWS AND WOOD SCREWS SHALL BE AS FOLLOWS: <u>WOOD SCREW DIAMETER - INCHES</u> 0.138 (#6) <u>NIN. BENDING YIELD STRENGTH (PSI)</u> 100.000	INDICATED TO RECEIVE HIGH PERFORMANCE PRIMER AND TOP COAT. FABRICATOR SHALL COORDINATE PRIMER REQUIREMENTS WITH SLIP CRITICAL BOLTS 20 FABRICATOR SHALL SUBMIT METHOD FOR INSTALLING SUP CRITICAL BOLTS FOR	3. ALL PER
	0.151 (#7) 90,000 0.164 (#8) 90,000 0.177 (#9) 90,000	APPROVAL. ERECTOR SHALL SET UP PREINSTALLATION TESTING WITH THE OWNER'S SPECIAL INSPECTOR.	INSTALL 4. FIELD TE
	0.190 (#10) 80,000 0.216 (#12) 80,000 0.246 (#14) 70,000	 21. STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FABRICATION OF ALL STRUCTURAL STEEL ELEMENTS. SHOP DRAWINGS SHALL INDICATE: A. INCLUDE DETAILS OF CUTS, CONNECTIONS, SPLICES, CAMBER, HOLES AND OTHER PERTINENT DATA 	BE COM COMMIS WITH TH
	LAG SCREW DIAMETER - INCHES 1/4 5/16 MIN. BENDING YIELD STRENGTH (PSI) 70,000 60,000	 B. INCLUDED EMBEDMENT DRAWINGS. C. INDICATE WELDS BY STANDARD AWS SYMBOLS, DISTINGUISHING BETWEEN SHOP AND FIELD WELDS, AND SHOW SIZE, LENGTH AND TYPE OF EACH WELD. 	
15.	3/8 AND GREATER 45,000 CUTTING AND NOTCHING OF SAWN LUMBER JOISTS, SAWN LUMBER RAFTERS AND STUDS SHALL BE IN CONFORMANCE WITH THE FOLLOWING CRITERIA:	 INDICATE TYPE, SIZE, AND LENGTH OF BOLTS, DISTINGUISHING BETWEEN SHOP AND FIELD BOLTS. E. IDENTIFY PRETENSIONED AND SLIP CRITICAL HIGH STRENGTH BOLTS. 	
	A. JOISTS NOTCHES AT THE ENDS OF JOISTS SHALL NOT EXCEED 1/5 THE JOIST DEPTH. HOLES BORED IN JOISTS SHALL NOT BE WITHIN 2-1/2 INCHES OF THE TOP OR BOTTOM OF THE JOIST, AND THE DIAMETER OF ANY SUCH HOLE SHALL	22. FIELD TESTING AND INSPECTION OF STRUCTURAL STEEL MATERIALS, AND STRUCTURAL STEEL INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY (COMMISSIONED BY THE OWNER), AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE	
	NOT EXCEED 1/4 THE DEPTH OF THE JOIST. NOTCHES IN THE TOP OR BOTTOM OF THE JOISTS SHALL NOT EXCEED 1/6 THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN		$\sim \sim \overset{\land}{\frown}$
	B. RAFTERS NOTCHING AT THE ENDS OF RAFTERS OR CEILING JOISTS SHALL NOT EXCEED 1/5 THE DEPTH. NOTCHES IN THE TOP OR BOTTOM OF THE RAFTER OR	WOOD STRUCTURAL PANEL NOTES:	
	LOCATED IN THE MIDDLE 1/3 OF THE SPAN, EXCEPT THAT A NOTCH NOT EXCEEDING 1/3 OF THE DEPTH IS PERMITTED IN THE TOP OF THE RAFTER OR CEILING JOIST NOT ELIPTHER FROM THE FACE OF THE SUPPORT THAN THE	 FOLLOWING STANDARD: A. U.S. PRODUCT STANDARD PS1-95 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD. 	
	DEPTH OF THE MEMBER. HOLES BORED IN RAFTERS OR CEILING JOISTS SHALL NOT BE WITHIN 2-1/2 INCHES OF THE TOP AND BOTTOM AND THEIR	 B. U.S. PRODUCT STANDARD PS2-92 PERFORMANCE STANDARD FOR WOOD BASED STRUCTURAL USE PANELS C. APA PRP-108 PERFORMANCE STANDARDS C. APA PRP-108 PERFORMANCE STANDARDS 	. }
	C. WALLS MAXIMUM OF 2 1/4" DIAMETER NEATLY BORED HOLE MAY BE PLACED IN THE	FROM STRUCTURAL ENGINEERS.	
	CENTER OF ALL BEARING 2x6 STUDS WITH NO ADDITIONAL REINFORCEMENT REQUIRED. REF. SHEET SXXX FOR ADDITIONAL INFORMATION ON STUDS AND POSTS	2. ROOF PANELS SHALL BE APA RATED, EXPOSURE 1, 5/8" (AS NOTED ON DRAWINGS), 5 PLY PLYWOOD OR HUBER ADVANTECH SHEATHING WITH A MIN. 40/20 SPAN RATING UNLESS NOTED OTHERWISE ON THE DRAWINGS. SHEATHING SHALL BE EXTERIOR GRADE WHERE EITHER SIDE OF SHEATHING IS PERMANENTLY EXPOSED TO WEATHER	
16.	ALL NAILS FOR STRUCTURAL WORK SHALL BE COMMON WIRE NAILS UNLESS NOTED OR DETAILED OTHERWISE MEETING ASTM F1667. HOLES SHALL BE PRE-DRILLED WHERE NECESSARY TO PREVENT SPLITTING. NAILS SHALL HAVE THE MINIMUM PROPERTIES SPECIFIED IN THE TABLE BELOW:	 WALL PANELS SHALL BE APA RATED, EXPOSURE 1, 1/2"" (AS NOTED ON DRAWINGS), 5 PLY PLYWOOD OR HUBER ADVANTECH WITH A MIN. 32/16 SPAN RATING UNLESS NOTED 	
	NAIL TYPE SHANK DIA INCHES MIN. PENETRATION - INCHES MIN. BENDING YIELD STRENGTH 6d 0.113 1.13 100,000 8d 0.131 1.31 100,000 10d 0.148 1.48 90,000	(PSI) OTHERWISE ON THE DRAWINGS. SHEATHING SHALL BE EXTERIOR GRADE WHERE EITHER SIDE OF SHEATHING IS PERMANENTLY EXPOSED TO WEATHER.	
	12d 0.148 1.48 90,000 16d 0.162 1.63 90,000 20d 0.192 1.92 80,000	4. ALL FLOOR AND ROOF SHEATHING SHALL BE INSTALLED WITH THE FACE GRAIN PERPENDICULAR TO THE SUPPORTS AND A 1/8" GAP AT ALL PANEL EDGES UNLESS RECOMMENDED OTHERWISE BY THE PANEL MANUFACTURER.	
17.	NAILING NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE PER THE APPLICABLE VERSION OF THE IB NAILING SCHEDULE.	5. ALL SHEATHING PANELS SHALL BE INSTALLED WITH END JOINTS STAGGERED UNLESS NOTED OTHERWISE ON THE DRAWINGS	
		6. WHERE BLOCKING IS NOT SPECIFICALLY REQUIRED FOR THE ROOF SHEATHING, PLY CLIPS OR TONGUE AND GROOVE PLYWOOD SHALL BE USED.	\rightarrow
<u>NA</u>	ILING SCHEDULE NOTES:	7. SUB-FLOOR SHEATHING SHALL BE UNBLOCKED UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS. SUB-FLOOR SHEATHING SHALL BE GLUED DOWN TO THE SUPPORTING MEMBERS AND GLUED AT THE TONGUE AND GROOVE JOINTS.	
· · ·	SCHEDULE ABOVE SHALL BE IN ACCORDANCE WITH 2021 INTERNATIONAL BUILDING CODE.	8. ALL NAILS SHALL BE COMMON NAILS. ROOF SHEATHING SHALL UTILIZE RING SHANK NAILS. STAINLESS STEEL (TYPE 316) NAILS SHALL BE USED AT PERMANENTLY EXPOSED EXTERIOR AREAS. ALL NAILS THAT ARE NOT EXPOSED TO THE ELEMENTS BUT IN CONTACT WITH	
2.	POWER DRIVEN OR PNEUMATIC NAILS OTHER THAN COMMON NAILS MAY BE USED IF DATA IS SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO USE.	PRESERVATIVE TREATED LUMBER SHALL BE MINIMUM HOT-DIPPED GALVANIZED MEETING ASTM A153.	
	MINIMUM NAIL LENGTHS SHALL BE SUFFICIENT TO ACHIEVE MINIMUM		

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NATES	501							
NOTES:	<u>FOL</u>	JNDATION NOTES:		<u>(</u>	<u>:ONC</u>	<u>RELE AND REI</u>	<u>NFOR</u>	<u>CEME</u>
ATERIALS AND WORKMANSHIP SHALL CONFORM TO THE TEEL CONSTRUCTION'S "SPECIFICATION FOR STRUCTURAL E "ALSO CODE OF STANDARD PRACTICE "	1.	DESIGN OF FOUNDATIONS IS E BEARING PRESSURE OF 2000 I	BASED ON AN ALLOWABLE SOIL POUNDS PER SQUARE FOOT.	1	AL	L CONCRETE SHALL CO		TO LATES
HAPES AND PLATES SHALL CONFORM TO THE FOLLOWING:	2.	ALL DELETERIOUS MATERIALS STRUCTURE, AS DETERMINED	FOUND WITHIN THE LIMITS OF THE BY THE TESTING AGENCY, SHALL	HE _ BE	A.		ESSIVE S	TRENGTH
S ASTM A992 IEL, ANGLE & PLATE ASTM A36 ASTM A500, GRADE B ASTM A53, GRADE B	3.	NO FOUNDATIONS SHALL BE P WATER. ALL TRENCHES SHALI CONCRETE.	TH COMPACTED SELECT FILL. PLACED ON FROZEN GROUND OR BE DEWATERED PRIOR TO PLAC	IN SING	В. С. D. Е. F.	AGGREGATE MAXIMUM AGGRE MAXIMUM WATER SLUMP:	GATE SIZ -CEMENT	e Ratio:
ABRICATOR SHALL BE AN AISC CERTIFIED FABRICATOR. CERTIFICATION. (SUBMIT FABRICATOR CERTIFICATION FOR	4.	FROST WALLS SHALL BE CURE TO BACKFILLING. THE BACKFIL	ED FOR A MINIMUM OF 7 DAYS PR	ior Up	G. H.		T: G ADMIXT	URE:
ALL BE COMPLETED BY THE FABRICATOR'S INSPECTOR. SHOP	5.	RETAINING WALLS AND FOUNE	DATION WALLS SHALL BE CURED	то		2. USE OF C PERMITTE	TURERS ALCIUM C	RECOMMI
	6.	SELECT FILL AND BACKFILL M		3	RI		ALL CONF	ORM TO A
IN OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC "RUCTION" (14TH EDITION) AND THE AISC"SPECIFICATIONS FOR INGS (2005 EDITION).		THE MAXIMUM 8" LIFTS. EACH LIFT THE MAXIMUM DRY DENSITY P PROCTOR TEST.	ER ASTM D-1557, MODIFIED	F 4	RI	EINFORCING STEEL SH	ALL BE SU	PPORTE
DNNECTIONS SHALL BE IN ACCORDANCE WITH THE	7.	SELECT FILL AND BACKFILL M	ATERIAL SHALL BE SCREENED OR	5	AL SF	L LAP SPLICES SHALL E PLICES MAY BE USED IN	BE IN ACC	ORDANCI
PROVIDE TEMPORARY BRACING OR GUYS TO PROVIDE THE PERMANENT LATERAL FORCE RESISTING SYSTEM IS		CRUSHED GRAVEL OF HARD DURABLE PARTICLES FREE FROM VEGETABLE MATTER, LUMPS, BALLS OF CLAY AND OTHER DELETERIOUS SUBSTANCES. SELECT FILL SHALL CONFORM TO THE FOLLOWING GRADATION REQUIREMENTS:			ALL LAP SPLICES SHALL BE ACI CLASS B SPI NORMAL WEIGHT CONCRETE WITH BARS 4 E CONCRETE COVER EQUAL TO 2 BAR DIAMET HORIZONTAL BARS WITH MORE THAN 12 INC			
COORDINATE BOTTOM OF BASE PLATE ELEVATION WITH THE		SELECT FILL - GRADA SIEVE SIZE	TION REQUIREMENTS PERCENT FINER BY WEIGHT		RI	EINFORCEMENT.		
OR SHALL MAKE ALLOWANCE IN THE BID FOR THE MORE		4 INCH	100		-	BAR SIZE	#3	#4
		1/4 INCH	25 - 90					
ES IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT		No. 40	0 - 30		-	LAP (IN) - TOP BARS	15	20
ER TIGHT" SHALL BE HAND TIGHTENED AS REQUIRED TO OT TIGHTEN NUTS INDICATED AS "FINGER TIGHT" BY (WELD "FINGER TIGHT" NUTS IN PLACE OR PROVIDE JAM NUT	8.	ON SITE MATERIALS GENERAT USED AS BACKFILL MATERIAL WALLS PROVIDED IT MEETS TH SELECT FILL.	ED DURING EXCAVATION MAY BE PLACED ADJACENT TO FOUNDAT HE GRADATION REQUIREMENTS F	ION 7 OR		EINFORCEMENT SHALL E CONTRACTOR SHALL ARS IN THE PROPER PO	BE SECUI PROVID	RELY ANC
IECTIONS SHALL BE SIMPLE SHEAR CONNECTIONS UNLESS	9.	FIELD QUALITY CONTROL FOR OTHER ASSOCIATED FOUNDA	SUBGRADE PREPARATION AND A	ALL 8 D	TH CO	HE DESIGN AND CONST ONTRACTOR. FORMS SI	RUCTION HALL BE (OF FORM CONSTRU
CTIONS SHALL BE BEARING TYPE CONNECTIONS UNLESS		BY AN INDEPENDENT TESTING OWNER), AND SHALL BE IN AC SPECIAL INSPECTIONS.	AGENCY (COMMISSIONED BY TH CORDANCE WITH THE SCHEDULE	E E OF 9	DI	RAWINGS. BRACING SH. JALIFIED WORKMEN SH	ALL BE DE	ESIGNED
TS FOR ANY CONNECTION SHALL BE TWO.	10.	CONCRETE FOR FOUNDATION	S SHALL COMPLY WITH THE		RI		RETE PL	ACEMENT
IECTIONS SHALL EXTEND AT LEAST 2/3 THE DEPTH OF THE ING CONNECTED.	11	CONCRETE NOTES	ΕΩΙ ΙΝΠΑΤΙΩΝ ΕΙ ΕΥΑΤΙΩΝΙS ΤΟ	1). Al Oi	LL SHORING SHALL REM F THE REQUIRED 28 DA	IAIN IN PL Y COMPR	ACE UNTI ESSIVE S
SPECIFICALLY INDICATED ON THE DRAWINGS MAY BE WELDED CTIONS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL		MINIMIZE INTERFERENCES OCC	EP FOOTINGS PER TYPICAL DETA	NLS 1	1. CC AN TH	ONTRACTOR SHALL VER NCHOR BOLTS, ETC. AS HESE ITEMS SHALL BE II	RIFY DIME REQUIRE NSTALLEE	NSIONS A D FOR AL D AND VEI
S SHALL BE E70 WITH A MINIMUM YIELD STRENGTH OF 58KSI, TH OF 70 KSI, AND MINIMUM ELONGATION OF 22% IN A5.	12.	THE CONTRACTOR SHALL SUE TO THE STRUCTURAL ENGINE A. GRADATION OF MATEF B. COMPACTION TEST RE ON GRADE AND FOUNI	BMIT THE FOLLOWING INFORMATI ER OF RECORD FOR REVIEW: RIAL TO BE USED AS SELECT FILL. SULTS UNDER PAVEMENTS, SLAP DATIONS.	ON 1. 3S	2. CO	DNCRETE COVER TO RE A. CONCRET B. CONCRET	EINFORCI E CAST A E EXPOS	NG STEEL GAINST E ED TO
L HAVE A MINIMUM CVN TOUGHNESS OF 20 FT-LBS AT MINUS AND 40 FT-LB AT 70° FAHRENHEIT.						EARTH OF C. CONCRET OR PLACE	R WEATHE E NOT EX D IN CON	ER: (POSED TI) ITACT WIT
ENETRATION WELDS SHALL BE ULTRASONICALLY TESTED AND	<u>P0</u>	<u>ST INSTALLED ANCH</u>	IOR NOTES:	1	3. FC	DOTING AND GRADE BE	AM SIZES	SHOWN
HALL BE SHOP PRIMED WITH FABRICATOR'S STANDARD LEAD	1.	NOTED EMBEDMENT DEPTHS OF CONCRETE	ARE FROM FACE OF CMU OR FAC	СЕ	FC DI	DRMS. IF EARTH FORMI RECTION.	NG IS USE	D FOUND
ER REQUIREMENTS WITH SLIP CRITICAL BOLTS	2.	ALL INSTALLATION SHALL BE I MANUFACTURER'S DATA AND	N STRICT ACCORDANCE WITH TH THE ASSOCIATED ICC REPORT.	E 1	4. SH FA	HOP DRAWINGS FOR PL ABRICATION.	ACEMEN	T SHALL B
T METHOD FOR INSTALLING SLIP CRITICAL BOLTS FOR LL SET UP PREINSTALLATION TESTING WITH THE OWNER'S	3.	ALL PERSONNEL INSTALLING A	ANCHORS SHALL HAVE ATTENDE E SPECIFICATIONS.	D 1	5. AL			
SUBMIT SHOP DRAWINGS FABRICATION OF ALL STRUCTURAL RAWINGS SHALL INDICATE:	4.	FIELD TESTING AND INSPECTI MATERIALS AND POST INSTAL BE COMPLETED BY AN INDEPI COMMISSIONED BY THE OWN	ON OF POST INSTALLED ANCHOF LED ANCHOR INSTALLATION SHA ENDENT TESTING AGENCY IER, AND SHALL BE IN ACCORDAN	LL ICE	7. AL	L CONCRETE SLABS SH		O THE TR
DATA. IENT DRAWINGS. Y STANDARD AWS SYMBOLS, DISTINGUISHING BETWEEN SHOP		WITH THE SCHEDULE OF SPE	CIAL INSPECTIONS.		SL	<u>AB CATEGORY</u> <u>FL</u> BULLFLOATED	<u>ATNESS,</u> 15	<u>Ff</u>

PANEL NOTES:

5

4

<u>EMENT NOTES:</u>

ATEST EDITIONS OF ACI 318 AND ACI 301.

S NOT	ED OTHERWISE
I:	4000 PSI @28 DAYS ASTM C150 TYPE II ASTM C33 OR C330 1 1/2 INCH 0.45 2 TO 4 INCHES ASTM C260, 6.5% (± 1%) ASTM C494

USED IN ACCORDANCE WITH ACI AND THE OMMENDATIONS.

RIDE, CHLORIDE IONS OR OTHER SALTS IS NOT

1 TO ASTM A615 GRADE 60

RTED ON CHAIRS OR BOLSTERS.

DANCE WITH THE TABLES BELOW (TYPE 2 MECHANICAL SPLICES AT CONTRACTOR'S OPTION)

B SPLICES. THE FOLLOWING TABLES ARE BASED ON RS 4 BAR DIAMETERS OR MORE APART AND IAMETERS OR MORE. TOP BARS ARE DEFINED AS 12 INCHES OF CONCRETE PLACED BELOW THE

GRADE 60 REINFORCING STEEL fy = 60,000 PSI						
#5	#6	#7	#8	#9	#10	#11
24	29	48	60	74	91	109
19	22	37	47	57	70	84

Y ANCHORED IN POSITION WHILE PLACING CONCRETE. DITIONAL BARS OR STIRRUPS AS REQUIRED TO ANCHOR

FORMS SHALL BE THE RESPONSIBILITY OF THE STRUCTED TO SHAPE, FORMS, AND LINES INDICATED ON NED TO RESIST FORCES EXERTED BY FRESH CONCRETE.

NTLY OBSERVE AND ADJUST FORMS AND SHORES AS MENT.

UNTIL THE SUPPORTED CONCRETE HAS ATTAINED 75% IVE STRENGTH.

ONS AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, OR ALL OTHER TRADES BEFORE CONCRETE IS POURED. ID VERIFIED BY THE CONTRACTOR.

STEEL SHALL CONFORM TO ACI 318 AS FOLLOWS: NST EARTH:

SED TO WEATHER



OWN ARE FOR FOOTINGS CONSTRUCTED WITH SIDE OUNDATION SIZES SHALL INCREASED IN WIDTH 1" IN EACH

ALL BE SUBMITTED FOR REVIEW PRIOR TO REBAR

FACES SHALL RECEIVE A SMOOTH STEEL TROWEL FINISH. RFACES SHALL RECEIVE A STEEL TROWEL AND A MEDIUM HE TRAFFIC FLOW.

STRUCTED IN ACCORDANCE WITH THE FOLLOWING

LEVELNESS, FI	DEVIATION
13	1⁄2" IN 10'
15	5∕ ₁₆ " IN 10'
20	³∕ ₁₆ " IN 10'
30	1⁄8" IN 10'
50	<1⁄8" IN 10'

FLOOR FLATNESS / LEVELNESS TESTS SHALL BE CONDUCTED ACCORDING TO ASTM E1155

18. PROVIDE A 3/4" CHAMFER TO ALL EXPOSED CONCRETE EDGES WET CURE ALL CONCRETE SLABS FOR A MINIMUM OF 3 DAYS.

20

30

50

100

STRAIGHTEDGED

FLAT

VERY FLAT

APPROVAL.

19.

20.

22.

23.

24.

26.

SUPERFLAT

TO 4 HOURS AFTER FINISHING).

EMBEDS, OR OTHER ITEMS.

3

SAW CUT CONTROL JOINTS SHALL BE 1/8"x1 1/2" DEEP CUT WITH AN EARLY ENTRY DRY-CUT SAW AS SOON AS THE CONCRETE IS SUFFICIENTLY HARD TO RESIST TEARING AND RAVELING (1

21. HORIZONTAL JOINTS IN FOOTINGS, GRADE BEAMS, AND TIE BEAMS WILL NOT BE PERMITTED.

DO NOT INSTALL PLUMBING SLEEVES IN GRADE BEAMS OR TIE BEAMS WITHOUT ENGINEER

REINFORCING BARS SHALL NOT BE CUT TO ACCOMMODATE THE INSTALLATION OF ANCHORS,

AT CHANGES IN DIRECTION OF CONTINUOUS CONCRETE ELEMENTS PROVIDE CORNER BARS OF SAME SIZE AND SPACING OF HORIZONTAL REINFORCEMENT.

25. PLACE CONCRETE PER ACI 304. USE INTERNAL MECHANICAL VIBRATION FOR ALL CONCRETE. LIMIT MAXIMUM FREE FALL DROP OF CONCRETE TO 6'-0". PRECAUTIONS SHALL BE TAKEN TO AVOID SEGREGATION DURING CONCRETE PLACEMENT.

FIELD TESTING AND INSPECTION OF ALL CONCRETE MATERIALS AND CONCRETE INSTALLATION SHALL BE CONDUCTED BY AN INDEPENDENT TESTING AGENCY (COMMISSIONED BY THE OWNER), AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

2

GENERAL NOTES:

 STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL CONTRACT DRAWINGS, AND ASSOCIATED SHOP DRAWING SUBMITTALS. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS, CLEARANCES, ETC. WITH WORK OF OTHER TRADES.

IN CASE OF CONFLICT BETWEEN VARIOUS STRUCTURAL DRAWINGS, OR 2. STRUCTURAL PLANS AND DETAILS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN

IN CASE OF CONFLICT BETWEEN DRAWINGS, NOTES, AND SPECIFICATIONS 3. THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY 4. IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.

ALL DETAILS AND SECTIONS ARE INTENDED TO BE TYPICAL FOR THE 5. GENERAL CONDITIONS INDICATED. ALL DETAILS SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION THROUGHOUT THE PROJECT EXCEPT WHERE A SEPARATE DETAIL IS INDICATED

- REVIEW ALL PROJECT DOCUMENTS PRIOR TO FABRICATION AND START OF 6 CONSTRUCTION. REPORT ANY DISCREPANCIES TO CONTRACTING OFFICER OR A/E PRIOR TO PROCEEDING WITH WORK.
- 7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING FACILITIES, STRUCTURES, UTILITY LINES, ETC. FROM DAMAGE DURING CONSTRUCTION.
- COORDINATE STRUCTURAL DRAWINGS WITH OTHER CONTRACT DRAWINGS FOR ANCHORED, EMBEDDED OR SUPPORTED ITEMS THAT MAY AFFECT THE STRUCTURAL DRAWINGS.
- USE OF CONTRACT DRAWINGS REPRODUCED IN WHOLE OR IN ANY PART FOR SHOP DRAWING PRODUCTION SHALL NOT RELIEVE THE CONTRACTOR OR SUBCONTRACTOR FROM THE REQUIREMENT TO ACCURATELY LAYOUT. COORDINATE, DETAIL, FABRICATE AND INSTALL A COMPLETE STRUCTURE.
- ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE SUBCONTRACTOR AND 10. CONTRACTOR FOR CONFORMANCE WITH CONTRACT DOCUMENTS, COMPLETENESS, AND TO RESPOND TO QUESTIONS RELATED TO CONTRACTOR INFORMATION PRIOR TO SUBMITTING FOR APPROVAL. ALL SHEETS SHALL BE STAMPED AND INITIALED BY CONTRACTOR INDICATING SUCH REVIEW IS COMPLETE PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL.
- 11. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE CONTRACT DRAWINGS WITHOUT WRITTEN APPROVAL OF THE CONTRACTING OFFICER.
- 12. ALL ELEVATIONS INDICATED IN STRUCTURAL DRAWINGS ARE IN REFERENCE TO A GROUND FLOOR FINISHED SLAB ELEVATION OF 0'-0". SEE CIVIL FOR FINISHED FLOOR MSL ELEVATION

BUILDING - DESIGN CRITERIA:

CODES: INTERNATIONAL BUILDING CODE (IBC) 2021 ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES

FOUNDATION DESIGN FOUNDATION DESIGN IS BASED ON AN ASSUMED NET ALLOWABLE BEARING CAPACITY OF 2000 PSF.





ATE OF MAIN 2025.05.14 12" = 1'-0" CHECKED BY AWN BY DESIGNED BY WCT WCT CDL WILLIAM C. TIMKEN PROJECT No. 10377.028 No. 18004 CENSED NY 0 AWING NO STONAL EN **S001** / log

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DNSIBILITIES:

SPECIAL INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF AND OBLIGATIONS FOR QUALITY CONTROL OF THE WORK, THEIR VISING THE WORK, FOR ANY DESIGN WORK THAT IS INCLUDED ICES OR FOR FULL COMPLIANCE WITH THE REQUIREMENTS OF NTS. FURTHERMORE, THE DETECTION OF OR FAILURE TO THE WORK DURING TESTING AND INSPECTION CONDUCTED RAM SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RECT ALL DEFICIENCIES OR DEFECTS, WHETHER DETECTED OR TS OF THE WORK, AND TO OTHERWISE COMPLY WITH ALL ONTRACT DOCUMENTS.

LY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT PART PECTIONS. MATERIALS AND ACTIVITIES TO BE TESTED AND JDE THE CONTRACTOR'S EQUIPMENT OR THE MEANS, METHODS TO ERECT OR INSTALL THE MATERIALS OR ASSEMBLIES LISTED.

OMPONENT OR SYSTEM IS SUBJECT TO TESTS AND INED BY THE BUILDING OFFICIAL, AND THE DESIGN NSIBLE CHARGE FOR THE PROJECT HAS NOT BEEN RETAINED RE A PERFORMANCE SPECIFICATION FOR SAID COMPONENT OR R SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO T OR SYSTEM AND TO PROVIDE ANY REQUIRED TESTS AND

PROVIDE FREE AND SAFE ACCESS TO THE WORK FOR ALL RFORMING THE TESTS OR INSPECTIONS. THE CONTRACTOR ERS, SCAFFOLDING, STAGING, AND UP-TO DATE SAFETY AND SAFE WORKING ORDER, AND QUALIFIED PERSONNEL TO I, AS MAY BE REQUIRED FOR SAFE ACCESS.

GIVE REASONABLE NOTICE TO THOSE PERFORMING OF WHEN THE VARIOUS PARTS OF THE WORK WILL BE READY CTION. THE CONTRACTOR SHALL OBTAIN INSTRUCTIONS FROM NATOR AS TO WHAT IS REASONABLE NOTICE FOR THE VARIOUS TYPICALLY 48 HOURS), WHO IS TO BE NOTIFIED AND HOW.

HE RIGHT TO BACK CHARGE THE CONTRACTOR FOR URRED BY THE OWNER FOR THE SERVICES OF THE

K IS NOT REASONABLY READY FOR INSPECTION IN IOTICE PROVIDED BY THE CONTRACTOR. LIKEWISE, IF WORK IS ICIENT, COSTS FOR A THIRD INSPECTION AND BEYOND MAY BE CONTRACTOR.

NSPECTORS AND TESTING TECHNICIANS

TIONS OF ALL INDIVIDUALS PERFORMING SPECIAL INSPECTION AND TO THE APPROVAL OF THE BUILDING OFFICIAL AND THE DESIGN ARGE. CREDENTIALS SHALL BE PROVIDED FOR REVIEW, APPROVAL AND RECORD.

ONS OF INSPECTION AGENTS: WHEN THE REGISTERED DESIGN ARGE DEEMS IT APPROPRIATE THAT THE INDIVIDUAL PERFORMING HAVE A SPECIFIC CERTIFICATION, LICENSE OR EXPERIENCE LEVEL IATION SHALL APPEAR WITH THE AGENCY NAME ON THE SCHEDULE.

ENGINEER
AL ENGINEER – A LICENSED SE OR PE SPECIALIZING IN THE DESIGN IG STRUCTURES

CAL ENGINEER – A LICENSED PE SPECIALIZING IN SOIL MECHANICS TIONS

-TRAINING – A GRADUATE ENGINEER WHO HAS PASSED THE ALS OF ENGINEERING EXAMINATION

PERIENCED TESTING TECHNICIAN

D TESTING TECHNICIAN - AN EXPERIENCE TESTING TECHNICIAN MUM 5 YEARS EXPERIENCE WITH THE STIPULATED TEST.

CONCRETE INSTITUTE (ACI) CERTIFICATION

FIELD TESTING TECHNICIAN – GRADE 1

CONSTRUCTION INSPECTOR Y TESTING TECHNICIAN – GRADE 1&2

ESTING TECHNICIAN

WELDING SOCIETY (AWS) CERTIFICATION

ELDING INSPECTOR

TRUCTURAL STEEL INSPECTOR

ONAL CODE COUNCIL (ICC) CERTIFICATION L MASONRY SPECIAL INSPECTOR

L STEEL AND WELDING SPECIAL INSPECTOR

D CONCRETE SPECIAL INSPECTOR

CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)

FECHNICIAN – LEVELS I, II, III & IV

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NICIAN - LEVELS I, II, III & IV

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CAL ENGINEERING TECHNICIAN - LEVELS I, II, III & IV

REQUIRED VERIFICATION AND INSPECTION OF SOILS							
VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIF.				
VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY AND ARE CONSISTENT WITH THE GEOTECHNICAL REPORT.	PERIODIC	TBD	PE/GE EIT, ETT				
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED THE PROPER MATERIAL.	PERIODIC	TBD	PE/GE EIT, ETT				
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	PERIODIC	TBD	PE/GE EIT, ETT				
TEST AND VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONTINUOUS	TBD	PE/GE EIT, ETT				
INSPECT REMOVAL OF UNSUITABLE MATERIAL AND PREPARATION OF SUBGRADE PRIOR TO PLACEMENT OF CONTROLLED FILL.	CONTINUOUS	TBD	PE/GE EIT, ETT				
PROPER TO PLACEMENT OF CONTROLLED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	TBD	PE/GE EIT, ETT				
APPROVE SUBGRADE PRIOR TO FORMING FOOTINGS, PREPARING SLABS-ON-GRADE AND PLACING CONCRETE.	PERIODIC	TBD	PE/GE EIT, ETT				

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION						
VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIF.			
INSPECTION OF REINFORCING STEEL INCLUDING SIZE, SPACING, COVER, LAPS. VERIFY THAT BARS ARE FREE OF FORM OIL OR OTHER DELETERIOUS MATERIALS. VERIFY THAT BARS ARE ADEQUATELY TIED AND SUPPORTED ON CHAIRS OR BOLSTERS	PERIODIC	TBD	PE/SE EIT			
INSPECTION OF EMBEDDED STRUCTURAL STEEL ITEMS, SUCH AS COLUMN ANCHOR RODS, PRIOR TO AND DURING CONCRETE PLACEMENT. INSPECT SIZE, POSITIONING, EMBEDMENT AND CONCRETE CONSOLIDATION AROUND ANCHORS.	PERIODIC	TBD	PE/SE EIT			
REVIEW BATCH TICKETS AND VERIFY COMPLIANCE WITH APPROVED MIX DESIGN. VERIFY THAT WATER ADDED AT THE SITE DOES NOT EXCEED THAT ALLOWED BY THE MIX DESIGN.	CONTINUOUS	TBD	ACI- CFTT, ACI-STT			
AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, VERIFY SLUMP, AIR CONTENT AND TEMPERATURE.	CONTINUOUS	TBD	ACI- CFTT, ACI-STT			
INSPECTION OF CONCRETE FOR PROPER PLACEMENT TECHNIQUES, INCLUDING HOT AND COLD WEATHER CONCRETING. VERIFY THAT CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION AND PROPER CONSOLIDATION.	CONTINUOUS	TBD	ACI- CFTT, ACI-STT			
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	TBD	PE/SE EIT			
INSPECT FORMWORK GEOMETRY, FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	TBD	PE/SE EIT			
 INSPECT THE TIMELY INSTALLATION OF SLAB CONTROL JOINTS AND LOCATION OF THICKENED SLABS.	PERIODIC	TBD	PE/SE EIT			

	REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION										
	VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIF.							
1	REVIEW SHOP FABRICATION CERTIFICATION AND QUALITY CONTROL PROCEDURES.	SUBMITTAL	PE/SE								
2	VERIFY MATERIALS: REVIEW CERTIFIED MILL TEST REPORTS AND IDENTIFICATION MARKINGS ON WIDE-FLANGE SHAPES, HIGH-STRENGTH BOLTS, NUTS AND WELDING ELECTRODES.	SUBMITTAL	TBD	PE/SE							
3	INSPECT INSTALLATION AND TIGHTENING OF HIGH-STRENGTH BOLTS IN BEARING CONNECTIONS.	PERIODIC	TBD	AWS/ AISC-SSI							
4	VISUALLY INSPECT ALL WELDS. INSPECT PRE-HEAT, POST-HEAT AND SURFACE PREPARATION BETWEEN PASSES. VERIFY SIZE AND LENGTH OF FILLET WELDS.	PERIODIC	TBD	AWS-CWI							
5	INSPECT STEEL FRAME FOR COMPLIANCE WITH STRUCTURAL DRAWINGS, INCLUDING BRACING, MEMBER CONFIGURATION AND CONNECTION DETAILS.	PERIODIC	TBD	PE/SE EIT							

NOTE: SPECIAL INSPECTIONS AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN BUILDINGS, STRUCTURES AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360. FOR ADDITIONAL REQUIREMENTS REFERENCE CHAPTER N OF AISC 360.

	REQUIRED VERIFICATION AND INSPECTION OF WOOD CONSTRUCTION											
	VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIF.								
1	VERIFY WOOD STRUCTURAL PANEL SHEATHING FOR GRADE AND THICKNESS	PERIODIC	PE/SE									
2	VERIFY THE NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES	PERIODIC	TBD	PE/SE								
3	VERIFY THE NAIL OR STAPLE DIAMETER AND LENGTH	PERIODIC	TBD	PE/SE								
4	VERIFY THE SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS.	PERIODIC	TBD	PE/SE								
5	LOAD TESTS FOR JOIST/TRUSS HANGERS: PROVIDE EVIDENCE OF MANUFACTURER'S LOAD TEST IN ACCORDANCE WITH ASTM D1761 INCLUDING THE VERTICAL LOAD BEARING CAPACITY, TORSIONAL MOMENT CAPACITY, AND DEFLECTION CHARACTERISTICS WHEN THERE IS NO CALCULATED PROCEDURE RECOGNIZED BY THE CODE.	SUBMITTAL	TBD	PE/SE EIT								

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	REQUIRED VERIFICATION AND LEVEL 1 INSPECTION OF MASONRY CONSTRUCTION									
	VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIF.						
1	VERIFY STRENGTH: SAMPLE, PREPARE AND TEST GROUT SPECIMENS, MORTAR SPECIMENS, AND MASONRY PRISMS.	CONTINUOUS	TBD	ETT						
2	INSPECT PROPORTIONING, MIXING AND RETEMPERING OF MORTAR AND GROUT.	CONTINUOUS	TBD	ETT						
3	VERIFY MASONRY INSTALLATION SPECIFICATIONS. INSPECT SIZE, LAYOUT, BONDING AND PLACEMENT OF MASONRY UNITS.	CONTINUOUS	TBD	ETT						
4	INSPECT CELLS PRIOR TO GROUTING AND VERIFY GROUTING PROCEDURES. INSPECT PLACEMENT AND CONSOLIDATION OF GROUT. INSPECT MASONRY CLEAN-OUTS FOR HIGH-LIFT GROUTING.	CONTINUOUS	TBD	ETT						
5	INSPECT CONSTRUCTION OF MORTAR JOINTS INCLUDING TOOLING AND FILLING OF HEAD JOINTS.	CONTINUOUS	TBD	ETT						
6	INSPECT ANCHORAGE OF MASONRY TO OTHER CONSTRUCTION, AND THE INSTALLATION OF EMBEDDED ITEMS.	PERIODIC	PE/SE EIT							
7	VERIFY CURING AND PROTECTION PROCEDURES. VERIFY PROTECTION FOR COLD AND HOT WEATHER PROCEDURES. VERIFY THAT WALL CAVITIES ARE PROTECTED AGAINST PRECIPITATION.	PERIODIC	TBD	PE/SE EIT						
8	INSPECT THE SIZE, QUANTITY, CONDITION AND PLACEMENT OF REINFORCING.	PERIODIC	TBD	PE/SE EIT						
		CONTINUOUS	TBD	ETT						

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2025 – 2026 SCHOOL CALENDAR WORKSHEET

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H - SCHOOL HOLIDAYS

July 4	-	Independence Day
September 1	-	Labor Day
October 13	-	Indigenous Peoples' Day
November 11	-	Veterans Day
November 27	-	Thanksgiving Day
December 25	-	Christmas Day
January 1	-	New Year's Day
January 19	-	Martin Luther King, Jr. Day
February 16	-	Presidents' Day
April 20	-	Patriots' Day
May 25	-	Memorial Day
June 19	-	Juneteenth

- *New Years is a special observance day as cited in Title 20-A MRSA §4803
- *N.B.- Legal Reference: Title 20-A MRSA §4802, 4803, and 4804
- -American Education Week is November 16-22.
- *Jewish holidays begin sundown of the date specified.Rosh Hashanah: September 22-24Yom Kippur: October 1-2

Hanuk	tkah: December 14-22
	Workshop Day
	Holiday
	Vacation
	Early Release
	Parent Teacher Conference (ER)
	Grades Close
	First/Last Day of School

PRE-BID MEETING SIGN IN	
CONNOR SCHOOL RENOVATIONS	Job No: 10377.028
Non-Mandatory Pre-Bid: CONNOR CONSOLIDATED SCHOOL at 2:00 pn	
COMPANY / CONTACT / ADDRESS	TELEPHONE / FAX / CELL / EMAIL
Mechanical Societors Inc	TEL: 207 - 356-5-445-
Poter Noumanor	FAX:
525 Central Dr. Presque Isle	CELL: 207-56-545
	EMAIL: Procemaner @ merhanice / Services 10
R. I Todd & Son Inc	TEL: 207-496-1671
Electrical Contract	FAX: 207 - 498-8810
	CELL: 207 - 768 - 1346
rations, Mit. 011 to	EMAIL: Tim @ r/Todd. Com
BOUNDAN CONTINED	TEL: 207 - 388-2405
552 Moose head Trail	FAX:
Neuport Maine	CELL: 207-368-2405
	EMAIL: bids @ BoumanConstructors, CO m
The Allen Pa	TEL: 207-237-8645
Art was	FAX:
The Courses	CELL: S Any=
WUS CONTRAL P.T. D. T. OUTLO	EMAIL: QUAVON OR THE O LENDEDLE , COM
ABM Machaged	TEL: 207-944-7881
37 Doad Roll	FAX:
D IVIE DOULDI	CELL: 207.314-8470
Sur or ME UTIN	EMAIL: Solle // + the Baby meet and cal, co the

TEL: 207 4982592	FAX:	CELL: 207 227-1335	EMAIL: PAU/ C POWORS FOOFING, COR	TEL: 207-555-6235	FAX:	CELL:	EMAIL: QMLONSTruct, CN, CNDR P9 201/6,	TEL:	FAX:	CELL:	EMAIL: Bary, A. LEWIS & MOILE, SUU	TEL:	FAX:	CELL:	EMAIL: LOVI, L. Knighte Maine, and	TEL: 499, -9, 231	FAX: 496 8719	CELL: 227 - 3201	EMAIL: 10 HN & ROWING ONTHIC . I.N. (FAX:	CELL:	EMAIL:
Fourers ROOFING & SM IN	P.O. Box 450	C 421.800 Me. 04736	Paul Bouer	Andrew Michard	AM Construction		LOW TO LOUIDI OF AUTOM	GARY LEWIS	June Main	STATE OF FUR		Lori Knight	Som / Eut	Funcepal/Conner		JOHN LAJOIE	COUNTY SUCCENTS INC	po box 434	CRANEOU . MIS			