

Addendum Number G-1

Dickinson Museum Center Expansion
188 Museum Dr. East
Dickinson, ND 58601

GT Architecture
401 West Villard Street Suite 206
Dickinson, ND 58601

February 24, 2026

THE FOLLOWING ADDENDUM ITEMS SHALL BECOME A PART OF THE PLANS AND SPECIFICATIONS FOR THE ABOVE REFERENCED PROJECT AND ITS RECEIPT SHALL BE ACKNOWLEDGED ON THE BID FORM.

THE FOLLOWING ITEMS REFER TO THE SPECIFICATIONS:

- Item No. 1: Section 00 01 10 – Table of Contents
Table of contents modified to include Section 07 42 13.
Updated specification section is attached to the back of this document.
- Item No. 2: Section 03 35 11 – Concrete Floor Finishes
Updated specification section is attached to the back of this document.
- Item No. 3: Section 040511 – Masonry Mortaring and Grouting
Modify Paragraph 2.01 B. to read as follows:
 B. Mortar Mix Designs: ASTM C270, Property Specification.
 1. Masonry below grade and in contact with earth: Type S.
 2. Exterior, Loadbearing Masonry: Type S.
 3. Exterior, Non-loadbearing Masonry: Type N.
 4. Interior, Loadbearing Masonry: Type N.
 5. Interior, Non-loadbearing Masonry: Type N.
- Item No. 4: Section 07 42 13 – Metal Wall Panels
Specification Section 07 42 13 - Metal Wall Panels is attached to the back of this document to provide soffit panels.
- Item No. 5: Section 08 14 16 – Flush Wood Doors
Flush Wood Doors modified to include sound rated doors.
Updated specification section is attached to the back of this document.
- Item No. 6: Section 08 71 00 – Door Hardware
Specification Section 08 71 00 - Door Hardware is attached to the back of this document.

THE FOLLOWING ITEMS REFER TO THE DRAWINGS:

Item No. 7: Sheet A600

Door Schedule has been updated.
Modified Sheet A600 attached to the back of this document.

Item No. 8: Sheet S401

Detail 5/S401 to read see specifications for waterproofing type in lieu of
stating tar coating or adhered membrane for waterproofing.

PRIOR APPROVALS

**THE FOLLOWING ITEMS ARE APPROVED FOR BIDDING CONTINGENT UPON
MEETING THE SPECIFICATIONS:**

SECTION

APPROVED

07 14 00

NaturaSeal SpraySeal NS-F300

END OF ADDENDUM

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**SECTION 03 35 11
CONCRETE FLOOR FINISHES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface treatments.
- B. Polished concrete.

1.02 RELATED REQUIREMENTS

- A. Section 03 30 00 - Cast-in-Place Concrete: Finishing of concrete surface to tolerance; floating, troweling, and similar operations; curing.
- B. Section 03 30 00 - Cast-in-Place Concrete: Curing compounds that also function as sealers.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
- B. Coordinate the work with concrete floor placement and concrete floor curing.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's published data on each finishing product, including information on compatibility of different products and limitations.
- C. Specimen warranty.
- D. Executed warranty.

1.05 MOCK-UPS

- A. For coatings, construct mock-up area under conditions similar to those that will exist during application, with coatings applied.
- B. Construct mock-ups of each exposed concrete floor finish, 10 feet square.
- C. Locate where directed.
- D. Mock-up may remain as part of the work.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in manufacturer's sealed packaging, including application instructions.

1.07 FIELD CONDITIONS

- A. Maintain ambient temperature of 50 degrees F minimum.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide five-year manufacturer warranty for work commencing on the Date of Substantial Completion.
- C. Finish Warranty: Provide 20-year manufacturer warranty against excessive degradation of finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 POLISHED CONCRETE SYSTEM

- A. Description: Materials, equipment, and procedures designed and furnished by single manufacturer to produce densely polished concrete of specified sheen.
- B. Perform the following steps:
 - 1. 50 grit diamond polish with a resin pad
 - 2. 50 grit diamond polish

3. 150 grit diamond polish - redo twice if milky film exists
4. 400 grit diamond polish
5. Densify/harden
6. 800 grit diamond polish
7. 2000 grit diamond polish
8. Install polish guard to penetrate 5mm inside the pores of the concrete to prevent any deep staining.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that floor surfaces are acceptable to receive the work of this section.
- B. Verify that flaws in concrete have been patched and joints filled with methods and materials suitable for further finishes.

3.02 GENERAL

- A. Apply materials in accordance with manufacturer's instructions.

3.03 COATING APPLICATION

- A. Verify that surface is free of previous coatings, sealers, curing compounds, water repellents, laitance, efflorescence, fats, oils, grease, wax, soluble salts, residues from cleaning agents, and other impediments to adhesion.
- B. Verify that water vapor emission from concrete and relative humidity in concrete are within limits established by coating manufacturer.
- C. Protect adjacent non-coated areas from drips, overflow, and overspray; immediately remove excess material.
- D. Apply coatings in accordance with manufacturer's instructions, matching approved mock-ups for color, special effects, sealing and workmanship.

3.04 CONCRETE POLISHING

- A. Execute using materials, equipment, and procedures specified by manufacturer, using manufacturer approved installer.
- B. Protect finished surface as required and as recommended by manufacturer of polishing system.

END OF SECTION

**SECTION 07 42 13
METAL WALL PANELS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Manufactured metal panels for soffit panels, with related flashings and accessory components.

1.02 REFERENCE STANDARDS

- A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.
- B. AAMA 609 & 610 - Cleaning and Maintenance Guide for Architecturally Finished Aluminum (Combined Document); 2015.
- C. ASTM A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process; 2023.
- D. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2024.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Shop Drawings: Indicate dimensions, layout, joints, construction details, support clips, and methods of anchorage.
- C. Manufacturer's qualification statement.
- D. Installer's qualification statement.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in installing products specified in this section with minimum three years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.
- B. Store prefinished material off the ground and protected from weather; prevent twisting, bending, or abrasion; provide ventilation; slope metal sheets to ensure proper drainage.
- C. Prevent contact with materials that may cause discoloration or staining of products.

1.06 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Finish Warranty: Provide 20-year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking. Complete forms in Owner's name and register with warrantor.
- C. Special Warranty: Provide 5-year warranty covering water tightness and integrity of seals of metal wall panels. Complete forms in Owner's name and register with warrantor.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Metal Soffit Panels:
 - 1. Berridge Manufacturing Company: www.berridge.com/#sle.
 - 2. Metal Sales Manufacturing Corporation: www.metalsales.us.com.
 - 3. Petersen Aluminum Corporation: www.pac-clad.com/#sle.

4. Substitutions: Approved equal.

2.02 METAL WALL PANEL SYSTEM

- A. Soffit Panels:
 1. Profile: FW-12, with venting provided.
 2. Material: Precoated steel sheet, 22 gauge, 0.0299 inch minimum thickness.
 3. Color: As selected by Architect from manufacturer's standard line.
- B. Internal and External Corners: Same material, thickness, and finish as exterior sheets; profile to suit system; shop cut and factory mitered to required angles.
- C. Expansion Joints: Same material, thickness and finish as exterior sheets; 24 gauge, ___ inch thick; manufacturer's standard brake formed type, of profile to suit system.
- D. Trim, Closure Pieces, Caps, Flashings, and Infills: Same material, thickness and finish as exterior sheets; brake formed to required profiles.
- E. Anchors: as recommended by manufacture.

2.03 MATERIALS

- A. Precoated Steel Sheet: Aluminum-zinc alloy-coated steel sheet, ASTM A792/A792M, Commercial Steel (CS)) or Forming Steel (FS), with AZ50/AZM150 coating; continuous-coil-coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.

2.04 FINISHES

- A. Fluoropolymer Coil Coating System: Manufacturer's standard multi-coat metal coil coating system complying with AAMA 2605, including at least 70 percent polyvinylidene fluoride (PVDF) resin, and at least 80 percent of coil coated metal surfaces having minimum total dry film thickness (DFT) of 0.9 mil, 0.0009 inch; color and gloss as selected from manufacturer's standards.

2.05 ACCESSORIES

- A. Gaskets: Manufacturer's standard type suitable for use with system, permanently resilient; ultraviolet and ozone resistant.
- B. Concealed Sealants: Non-curing butyl sealant or tape sealant, see Section 07 92 00
- C. Exposed Sealant: Elastomeric; silicone, polyurethane, or silyl-terminated polyether/polyurethane.
- D. Fasteners: Manufacturer's standard type to suit application; with soft neoprene washers, steel, hot dip galvanized. Fastener cap same color as exterior panel.
- E. Field Touch-up Paint: As recommended by panel manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that building framing members are ready to receive panels.

3.02 PREPARATION

- A. Protect surrounding areas and adjacent surfaces from damage during execution of this work.

3.03 INSTALLATION

- A. Install panels on soffits in accordance with manufacturer's instructions.
- B. Protect surfaces in contact with cementitious materials and dissimilar metals with bituminous paint; allow to dry prior to wall panel installation.
- C. Fasten panels to structural supports; aligned, level, and plumb.
- D. Locate joints over supports.

- E. Provide expansion and control joints as required by manufacturer.
- F. Use concealed fasteners unless otherwise indicated by Architect.
- G. Seal and place gaskets to prevent weather penetration. Maintain neat appearance.

3.04 TOLERANCES

- A. Offset From True Alignment Between Adjacent Members Abutting or In Line: 1/16 inch, maximum.
- B. Variation from Plane or Location As Indicated on Drawings: 1/4 inch, maximum.

3.05 CLEANING

- A. Remove site cuttings from finish surfaces.
- B. Remove protective material from wall panel surfaces.
- C. Clean and wash prefinished surfaces with mild soap and water; rinse with clean water.
- D. Upon completion of installation, thoroughly clean prefinished aluminum surfaces in accordance with AAMA 609 & 610.

3.06 PROTECTION

- A. Protect metal wall panels until completion of project.
- B. Touch-up, repair, or replace damaged wall panels or accessories before Date of Substantial Completion.

END OF SECTION

**SECTION 08 14 16
FLUSH WOOD DOORS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Flush wood doors; flush and flush glazed configuration; fire-rated, non-rated, and acoustical.

1.02 RELATED REQUIREMENTS

- A. Section 08 11 13 - Hollow Metal Doors and Frames.
- B. Section 08 71 00 - Door Hardware.
- C. Section 08 80 00 - Glazing.

1.03 REFERENCE STANDARDS

- A. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2023.
- B. ASTM E413 - Classification for Rating Sound Insulation; 2022.
- C. AWI (QCP) - Quality Certification Program; Current Edition.
- D. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).
- E. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.
- F. ICC (IBC) - International Building Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- G. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2025.
- H. NFPA 105 - Standard for Smoke Door Assemblies and Other Opening Protectives; 2025.
- I. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies; 2022.
- J. UL (DIR) - Online Certifications Directory; Current Edition.
- K. UL 10B - Standard for Fire Tests of Door Assemblies; Current Edition, Including All Revisions.
- L. WDMA I.S. 1A - Interior Architectural Wood Flush Doors; 2021, with Errata (2022).

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Indicate door core materials and construction; veneer species, type and characteristics.
- C. Shop Drawings: Show doors and frames, elevations, sizes, types, swings, undercuts, beveling, blocking for hardware, factory machining, factory finishing, cutouts for glazing and other details.
- D. Samples: Submit two samples of door veneer, 3 by 3 inches in size illustrating wood grain, stain color, and sheen.
- E. Test Reports: Show compliance with specified requirements for the following:
 - 1. Sound-retardant doors and frames; sealed panel tests are not acceptable.
- F. Specimen warranty.
- G. Warranty, executed in Owner's name.

1.05 QUALITY ASSURANCE

- A. Maintain one copy of the specified door quality standard on site for review during installation and finishing.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section, with not less than three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Package, deliver and store doors in accordance with specified quality standard.
- B. Accept doors on site in manufacturer's packaging, and inspect for damage.
- C. Protect doors with resilient packaging sealed with heat shrunk plastic; do not store in damp or wet areas or areas where sunlight might bleach veneer; seal top and bottom edges with tinted sealer if stored more than one week, and break seal on site to permit ventilation.

1.07 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide manufacturer's warranty on interior doors for the life of the installation. Complete forms in Owner's name and register with manufacturer.
 - 1. Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Wood Veneer Faced Doors:
 - 1. Masonite Architectural: www.architectural.masonite.com/#sle.
 - 2. VT Industries, Inc: www.vtindustries.com/#sle.
 - 3. Algoma Harwoods, Inc.
 - 4. Substitutions: Approved equal.

2.02 DOORS

- A. Doors: See drawings for locations and additional requirements.
 - 1. Quality Standard: Premium Grade, Heavy Duty performance, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
 - 2. Wood Veneer Faced Doors: 5-ply unless otherwise indicated.
- B. Interior Doors: 1-3/4 inches thick unless otherwise indicated; flush construction.
 - 1. Provide solid core doors at each location.
 - 2. Fire Rated Doors: Tested to ratings indicated on drawings in accordance with ICC (IBC) - Positive Pressure; Underwriters Laboratories Inc (UL) or Intertek/Warnock Hersey (WHI) labeled without any visible seals when door is open.
 - 3. Sound-Rated Doors: Minimum STC of 50, calculated in accordance with ASTM E413, tested in accordance with ASTM E90.
 - 4. Wood veneer facing with factory transparent finish as selected by Architect.

2.03 DOOR AND PANEL CORES

- A. Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated.
- B. Fire-Rated Doors: Mineral core type, with fire resistant composite core (FD), plies and faces as indicated above; with core blocking as required to provide adequate anchorage of hardware without through-bolting.
- C. Sound-Rated Doors: Equivalent to type, with particleboard core (PC) construction as required to achieve STC rating specified; plies and faces as indicated above.

2.04 DOOR FACINGS

- A. Veneer Facing for Transparent Finish: Red oak, veneer grade in accordance with quality standard indicated, plain sliced (flat cut), with book match between leaves of veneer, running match of spliced veneer leaves assembled on door or panel face.
 - 1. Vertical Edges: Same species as face veneer.
 - 2. "Running Match" each pair of doors and doors in close proximity to each other.

3. "Pair Match" each pair of doors; "Set Match" pairs of doors within 10 feet of each other when doors are closed.

2.05 DOOR CONSTRUCTION

- A. Fabricate doors in accordance with door quality standard specified.
- B. Cores Constructed with stiles and rails:
 1. Provide solid blocks at lock edge and top of door for closer for hardware reinforcement.
 2. Provide solid blocking for other throughbolted hardware.
- C. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.
- D. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.
- E. Provide edge clearances in accordance with the quality standard specified.

2.06 FINISHES - WOOD VENEER DOORS

- A. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
- B. Factory finish doors in accordance with approved sample.
- C. Seal door top edge with color sealer to match door facing.

2.07 ACCESSORIES

- A. Hollow Metal Door Frames: See Section 08 12 13.
- B. Glazing: See Section 08 80 00.
- C. Glazing Stops: Rolled steel channel shape, mitered corners; prepared for countersink style tamper proof screws.
- D. Door Hardware: See Section 08 71 00.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

3.02 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
 1. Install fire-rated doors in accordance with NFPA 80 requirements.
 2. Install smoke and draft control doors in accordance with NFPA 105 requirements.
- B. Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.
- C. Field-Finished Doors: Trimming to fit is acceptable.
 1. Adjust width of non-rated doors by cutting equally on both jamb edges.
 2. Trim maximum of 3/4 inch off bottom edges.
 3. Trim fire-rated doors in strict compliance with fire rating limitations.
- D. Use machine tools to cut or drill for hardware.
- E. Coordinate installation of doors with installation of frames and hardware.
- F. Coordinate installation of glazing.

3.03 TOLERANCES

- A. Comply with specified quality standard for fit and clearance tolerances.

B. Comply with specified quality standard for telegraphing, warp, and squareness.

3.04 ADJUSTING

A. Adjust doors for smooth and balanced door movement.

B. Adjust closers for full closure.

END OF SECTION

**SECTION 08 71 00
DOOR HARDWARE**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for wood and hollow metal doors.
- B. Hardware for fire-rated doors.
- C. Thresholds.
- D. Weatherstripping, seals and door gaskets.

1.02 RELATED REQUIREMENTS

- A. Section 08 11 13 - Hollow Metal Doors and Frames.
- B. Section 08 14 16 - Flush Wood Doors.
- C. Section 08 33 13-Coiling Counter Doors: Cylinders provided under this section for coiling counter doors.

1.03 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. BHMA A156.1 - Standard for Butts and Hinges; 2021.
- C. BHMA A156.2 - Bored and Preassembled Locks and Latches; 2022.
- D. BHMA A156.3 - Exit Devices; 2020.
- E. BHMA A156.4 - Door Closers and Pivots; 2024.
- F. BHMA A156.5 - Cylinders and Input Devices for Locks; 2020.
- G. BHMA A156.7 - Template Hinge Dimensions; 2022.
- H. BHMA A156.8 - Door Controls - Overhead Stops and Holders; 2021.
- I. BHMA A156.13 - Mortise Locks & Latches Series 1000; 2022.
- J. BHMA A156.18 - Standard for Materials and Finishes; 2020.
- K. BHMA A156.21 - Thresholds; 2019.
- L. BHMA A156.22 - Standard for Gasketing; 2021.
- M. BHMA A156.23 - Electromagnetic Locks; 2022.
- N. BHMA A156.31 - Electric Strikes and Frame Mounted Actuators; 2024.
- O. BHMA A156.115 - Hardware Preparation in Steel Doors and Frames; 2016.
- P. BHMA A156.115W - Hardware Preparation in Wood Doors with Wood or Steel Frames; 2006.
- Q. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
- R. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2025.
- S. NFPA 101 - Life Safety Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- T. UL (DIR) - Online Certifications Directory; Current Edition.
- U. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies; Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project.

- C. Hardware Schedule: Detailed listing of each item of hardware to be installed on each door. Use door numbering scheme as included in the Contract Documents. Identify electrically operated items and include power requirements.
- D. Keying Schedule: Submit for approval of Owner.
- E. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention.
- F. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
- G. Keys: Deliver with identifying tags to Owner by security shipment direct from hardware supplier.
- H. Warranty: Submit manufacturer's warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- I. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Tools: One set of all special wrenches or tools applicable to each different or special hardware component, whether supplied by the hardware component manufacturer or not.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum five years of documented experience.
- B. Hardware Supplier Qualifications: Company specializing in supplying the type of products specified in this section with at least three years documented experience and approved by manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Package hardware items individually; label and identify each package with door opening code to match hardware schedule.

1.07 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Provide door hardware specified, or as required to make doors fully functional, compliant with applicable codes, and secure to the extent indicated.
- B. Provide items of a single type of the same model by the same manufacturer.
- C. Provide products that comply with the following:
 - 1. Applicable provisions of federal, state, and local codes.
 - 2. Accessibility: ADA Standards and ICC A117.1.
 - 3. Applicable provisions of NFPA 101, Life Safety Code.
 - 4. Fire-Rated Doors: NFPA 80.
 - 5. Hardware on Fire-Rated Doors: Listed and classified by UL (DIR) as suitable for the purpose specified and indicated.
 - 6. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
 - 7. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
- D. Function: Lock and latch function numbers and descriptions of manufactures series as listed in hardware schedule.
- E. Finishes: Provide door hardware of the same finish unless otherwise indicated.
 - 1. Finish: Satin chrome plated over nickel on brass or bronze, 626 (approx US26D).
 - 2. Finish Definitions: BHMA A156.18.

3. Exceptions:
 - a. Where base metal is specified to be different, provide finish that is an appearance equivalent according to BHMA A156.18.
- F. Fasteners:
 1. Mineral Core Wood Doors: Sex bolts.
 2. Concrete and Masonry Substrates: Stainless steel machine screws and lead expansion shields.

2.02 LOCKS AND LATCHES

- A. Locks: Provide a lock for every door, unless specifically indicated as not requiring locking.
 1. All locks and latches to comply with BHMA Grade 1 lock requirements.
 2. Hardware Sets indicate locking functions required for each door.
 3. If no hardware set is indicated for a swinging door provide an office lockset.
 4. Trim: Provide lever handle or pull trim on outside of all locks unless specifically stated to have no outside trim.
 5. Lock Cylinders: Provide key access on outside of all locks unless specifically stated to have no locking or no outside trim.
 6. In door sections, where a lock cylinder referenced to this Section is specified, furnish and install a mortise lock cylinder keyed to the building keying system.
- B. Lock Cylinders: Manufacturer's standard tumbler type, six-pin interchangeable core.
 1. Provide cams and/or tailpieces as required for locking devices required.
- C. Keying: Grand master keyed.
- D. Latches: Provide a latch for every door that is not required to lock, unless specifically indicated "push/pull" or "not required to latch".

2.03 HINGES

- A. Hinges: Provide hinges on every swinging door.
 1. Provide five-knuckle full mortise butt hinges unless otherwise indicated.
 2. Provide ball-bearing hinges at all doors having closers.
 3. Provide hinges in the quantities indicated.
 4. Provide non-removable pins on exterior outswinging doors.
- B. Butt Hinges: Comply with BHMA A156.1 and BHMA A156.7; standard weight, unless otherwise indicated.
 1. Interior Standard Weight Ball Bearing:
 - a. Ives 5BB1, Stanley BB179, Hager BB1279, McKinney TB2714.
- C. Butt Hinges: Comply with BHMA A156.1 and A156.7; heavy weight, unless otherwise indicated.
 1. Exterior Heavy Weight Ball Bearing Non-Ferrous:
 - a. Ives 5BB1HW, Stanley FBB199, Hager BB1199, McKinney T4B3386.
- D. Quantity of Hinges Per Door:
 1. Doors up to 60 inches High: Two hinges.
 2. Doors From 60 inches High up to 90 inches High: Three hinges.
 3. Doors 90 inches High up to 120 inches High: Four hinges.
 4. Doors over 120 inches High: One additional hinge per each additional 30 inches in height.
 5. Doors over 36 inches Wide: Four hinges.
- E. Manufacturers - Hinges:
 1. Assa Abloy Brands; McKinney: www.assaabloydss.com.
 2. Hager Companies: www.hagerco.com.
 3. Stanley Black & Decker: www.stanleyblackanddecker.com.
 4. Ives.
 5. Substitutions: Approved equal.

2.04 CYLINDRICAL LOCKSETS

- A. Locking Functions: As defined in BHMA A156.2, and as follows: Class 1.
- B. Manufacturers - Cylindrical Locksets:
 - 1. Assa Abloy Brands, Sargent: www.assaabloydss.com.
 - 2. Best Access Systems, division of Stanley Security Solutions: www.bestaccess.com.
 - 3. Schlage, an Allegion brand; ND Series: www.allegion.com/us.
 - 4. Substitutions: Approved equal.

2.05 FLUSHBOLTS AND COORDINATORS

- A. Flushbolts: Lever extension bolts in leading edge of door, one bolt into floor, one bolt into top of frame.
 - 1. Pairs of Swing Doors: At inactive leaves, provide flush bolts of type as required to comply with code.
 - 2. Floor Bolts: Provide dustproof strike except at metal thresholds.
- B. Manual Flushbolts: Provide lever extensions for top bolt at over-size doors.
- C. Manufacturers - Flushbolts:
 - 1. Assa Abloy Brands, McKinney: www.assaabloydss.com.
 - 2. Hager Companies: www.hagerco.com.
 - 3. Ives, an Allegion brand; FB457: www.allegion.com/us.
 - 4. Substitutions: Approved equal.

2.06 ELECTRIC STRIKES

- A. Electric Strikes: Complying with BHMA A156.31 and UL (DIR) listed as a Burglary-Resistant Electric Door Strike; style to suit locks.
 - 1. Provide UL Listed Electric Strikes at all Fire Rated Openings.
- B. Manufacturers - Electric Strikes:
 - 1. Von Duprin, 5100 series with coordinating power supply and power transfer.
 - 2. Substitutions: Approved equal.

2.07 EXIT DEVICES

- A. Locking Functions: Functions as defined in BHMA A156.3, and as follows:
 - 1. Entry/Exit, Always-Locked: Key outside retracts latchbolt but does not unlock lever, no latch holdback.
- B. Manufacturers - Exit Devices:
 - 1. Von Duprin, an Allegion brand; 98 Series: www.allegion.com/us.
 - 2. Substitutions: Approved equal.

2.08 CLOSERS

- A. Closers: Complying with BHMA A156.4.
 - 1. Provide surface-mounted, door-mounted closers unless otherwise indicated.
 - 2. Provide a door closer on every exterior door.
 - 3. Provide a door closer on every fire- and smoke-rated door. Spring hinges are not an acceptable self-closing device unless specifically so indicated.
 - 4. At outswinging exterior doors, mount closer in inside of door.
- B. Exterior Doors and interior vestibule Door Closer:
 - 1. LCN 4040XP Cush Series.
 - 2. Exterior Closers shall be rated to 10 million cycles
- C. Interior Door Closers:
 - 1. LCN 1461 cush.
- D. Manufacturers - Surface Mounted Closers:
 - 1. LCN, an Allegion brand: www.allegion.com/us.

2. Substitutions: Approved equal.

2.09 STOPS AND HOLDERS

- A. Stops: Complying with BHMA A156.8; provide a stop for every swinging door, unless otherwise indicated.
 1. Provide wall stops, unless otherwise indicated.
 2. If wall stops are not practical, due to configuration of room or furnishings, provide overhead stop.
- B. Manufacturers - Overhead Holders/Stops:
 1. Glynn-Johnson, an Allegion brand: www.allegion.com/us.
 2. Substitutions: Approved equal.
- C. Manufacturers - Wall Stops:
 1. Hager Companies: www.hagerco.com.
 2. Door Controls International.
 3. Rockwood, 409.
 4. Substitutions: Approved equal.

2.10 GASKETING AND THRESHOLDS

- A. Gaskets: Complying with BHMA A156.22.
 1. On each door in smoke partition, provide smoke gaskets; top, sides, and meeting stile of pairs. If fire/smoke partitions are not indicated on drawings, provide smoke gaskets on each door identified as a "smoke door" and 20-minute rated fire doors.
 2. On each exterior door, provide weatherstripping gaskets, unless otherwise indicated; top, sides, and meeting stiles of pairs.
 - a. Where exterior door is also required to have fire or smoke rating, provide gaskets functioning as both smoke and weather seals.
 3. On each exterior door, provide door bottom sweep, unless otherwise indicated.
 4. On doors indicated as "sound-rated", "acoustical", or with an STC rating, provide sound-rated gaskets and automatic door bottom; make gaskets completely continuous, do not cut or notch gaskets for installation.
- B. Thresholds: Complying with BHMA A156.21.
 1. At each exterior door, provide a threshold unless otherwise indicated.
 2. At each interior door leading to Apparatus Bay or Locker Room, provide a threshold unless otherwise indicated.
- C. Fasteners At Exterior Locations: Non-corroding.
- D. Manufacturers - Gasketing:
 1. Hager Companies: www.hagerco.com.
 2. National Guard Products, Inc; 135NA: www.ngpinc.com.
 3. Pemko Manufacturing Co: www.pemko.com.
 4. Reese 797.
 5. Substitutions: Approved equal.
- E. Manufacturers - Door Sweep:
 1. Hager Companies: www.hagerco.com.
 2. National Guard Products, Inc: www.ngpinc.com.
 3. Pemko Manufacturing Co: www.pemko.com.
 4. Reese; 959: www.reeseusa.com.
 5. Substitutions: Approved equal.
- F. Manufacturers - Thresholds:
 1. Hager Companies: www.hagerco.com.
 2. National Guard Products, Inc, 8425 Aluminum w/ thermal break: www.ngpinc.com.

- a. Hardware supplier provide threshold wide enough to conceal joint between interior and exterior floor slab, verify final width with G.C.
- 3. Pemko Manufacturing Co: www.pemko.com.
- 4. Reese.
- 5. Substitutions: Approved equal.

2.11 PROTECTION PLATES AND ARCHITECTURAL TRIM

- A. Protection Plates:
 - 1. Kickplate: Provide on push side of door. See schedule for locations.
 - a. 12" high by 1" less then the width of the door.
 - b. Secure to door with manufacturer's recommended screws.
 - c. See Door Schedule for Protection Plate locations.
- B. Drip Guard: Provide projecting drip guard over all exterior doors unless they are under a projecting roof or canopy.
- C. Manufacturers - Protection Plates and Architectural Trim:
 - 1. Assa Abloy Brands, McKinney: www.assaabloydss.com.
 - 2. Hager Companies: www.hagerco.com.
 - 3. Ives, and Allegion Brand; 8400 Series: us.allegion.com..
 - 4. Substitutions: Approved equal.
- D. Manufacturers - Drip Guards:
 - 1. Zero International, Inc; 142 Rain Drip: www.zerointernational.com.
 - 2. Substitutions: Approved equal.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that doors and frames are ready to receive work; labeled, fire-rated doors and frames are present and properly installed, and dimensions are as indicated on shop drawings.

3.02 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Use templates provided by hardware item manufacturer.
- C. Do not install surface mounted items until finishes applied to substrate are complete.
- D. Install hardware on fire-rated doors and frames in accordance with code and NFPA 80.
- E. Mounting heights for hardware from finished floor to center line of hardware item.
- F. Set exterior door thresholds with full-width bead of elastomeric sealant on each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.

3.03 ADJUSTING

- A. Adjust work under provisions of Section 01 70 00 - Execution and Closeout Requirements.
- B. Adjust hardware for smooth operation.
- C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

3.04 CLEANING

- A. Clean adjacent surfaces soiled by hardware installation. Clean finished hardware per manufacturer's instructions after final adjustments has been made. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.

3.05 PROTECTION

- A. Protect finished Work under provisions of Section 01 70 00 - Execution and Closeout Requirements.

- B. Do not permit adjacent work to damage hardware or finish.

HARDWARE SETS

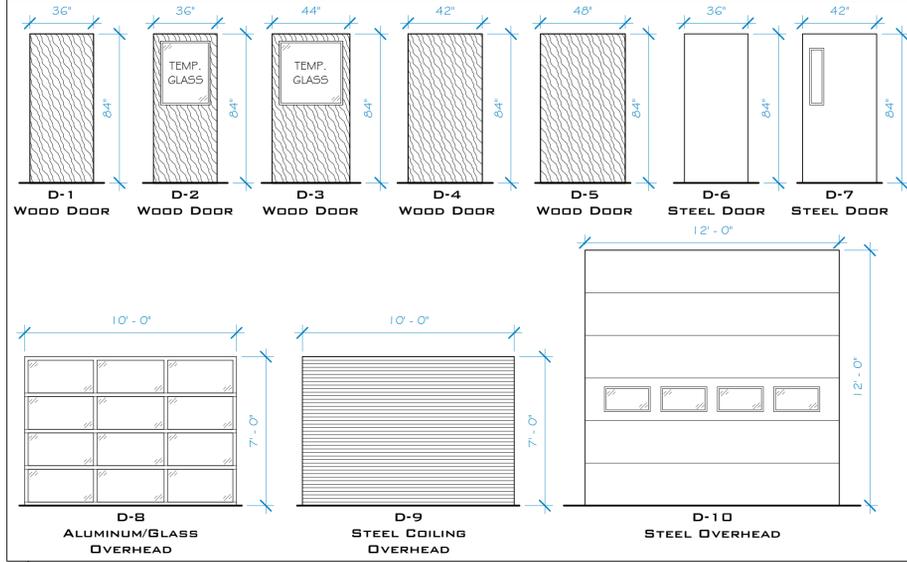
4.01 HARDWARE GROUPS

- A. HW-1: Exterior (Double), Non-Fire-Rated:
 - 1. Hinges.
 - 2. Active - Exit Device, 9927L NL.
 - 3. Inactive - Manual Flush Bolt Top and Bottom Bolts (Pair), on RH door.
 - 4. Astragal.
 - 5. Closer.
 - 6. Threshold.
 - 7. Sweep.
 - 8. Weatherstrip.
- B. HW-2: Interior, Non-Fire-Rated:
 - 1. Hinges.
 - 2. Lever, ND50PD RHO (Office).
 - 3. Wall Stop.
 - 4. Closer.
- C. HW-3: Interior, Non-Fire-Rated:
 - 1. Hinges.
 - 2. Lever, ND50PD RHO (Office).
 - 3. Wall Stop.
- D. HW-4: Interior, Non-Fire-Rated:
 - 1. Hinges.
 - 2. Lever, ND40S RHO (Privacy).
 - 3. Wall Stop.
 - 4. Closer.
- E. HW-5: Interior (Double), Fire-Rated 90 minutes:
 - 1. Hinges.
 - 2. Exit Device, 9927L-BEFLBR.
 - 3. Closer.
 - 4. Astragal.
 - 5. Smoke Gasket.
 - 6. Hold Open.
- F. HW-6: Interior (Double), Non-Fire-Rated:
 - 1. Hinges.
 - 2. Active - Exit Device, 9927L NL.
 - 3. Inactive - Manual Flush Bolt Top and Bottom Bolts (Pair), on LH door.
 - 4. Coordinator.
 - 5. Astragal.
 - 6. Closer.
 - 7. Threshold.
 - 8. Sweep.
 - 9. Weatherstrip.
- G. HW-7: Interior (Double), Non-Fire-Rated:
 - 1. Hinges.
 - 2. Active - Lever, ND80PD RHO (Storeroom).
 - 3. Inactive - Manual Flush Bolt Top and Bottom Bolts (Pair), on RH door.
 - 4. Wall Stop.

- H. HW-8: Interior, Non-Fire-Rated:
 - 1. Hinges.
 - 2. Lever, ND50PD RHO (Office).
 - 3. Closer.
 - 4. Sweep.
 - 5. Weatherstrip.
- I. HW-9: Interior, Non-Fire-Rated:
 - 1. Hinges.
 - 2. Active - Lever, ND80PD RHO (Storeroom).
 - 3. Closer.
 - 4. Threshold.
 - 5. Sweep.
 - 6. Weatherstrip.
- J. HW-10: Interior, Non-Fire-Rated, Acoustical:
 - 1. Hinges.
 - 2. Lever, ND50PD RHO (Office).
 - 3. Sound-rated gasket.
 - 4. Automatic door bottom.
 - 5. Wall Stop.
- K. HW-11: Exterior, Non-Fire-Rated:
 - 1. Hinges.
 - 2. Exit Device, 99 NL
 - 3. Electric Strike.
 - 4. Closer.
 - 5. Threshold.
 - 6. Sweep.
 - 7. Weatherstrip.
- L. HW-12: Interior, Non-Fire-Rated, Acoustical:
 - 1. Hinges.
 - 2. Lever, ND80PD RHO (Storeroom).
 - 3. Closer.
 - 4. Sound-rated gasket.
 - 5. Automatic door bottom.
- M. HW-13: Exterior (Double), Non-Fire-Rated:
 - 1. Electrified Hinges.
 - 2. Active - Exit Device, 99 NL, on RH door
 - 3. Inactive - Manual Flush Bolt Top and Bottom Bolts (Pair), on RH door.
 - 4. Electric Strike.
 - 5. Astragal.
 - 6. Closer.
 - 7. Threshold.
 - 8. Sweep.
 - 9. Weatherstrip.
 - 10. Lock Guard.
- N. HW-14: Interior, Fire-Rated 90 minutes:
 - 1. Hinges.
 - 2. Lever, ND50PD RHO (Office).
 - 3. Closer.
 - 4. Smoke Gasket.

END OF SECTION

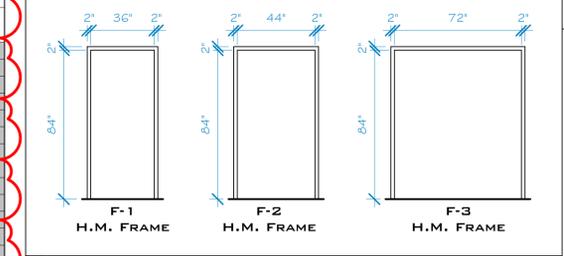
DOOR TYPES:



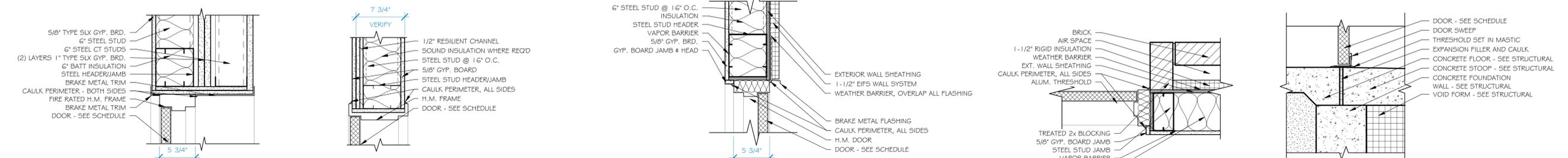
DOOR SCHEDULE

MARK	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	HEAD	JAMB	THRESHOLD	FRAME TYPE	FRAME MATERIAL	HARDWARE	FIRE RATING	NOTES
120-1	10'-0"	7'-0"	3"	D-8	ALUM/GLASS	13/A600	13/A600		-	-	-	-	
121-1	7'-0"	7'-0"	1 3/4"	D-7	STEEL	16/A600	16/A600	9/A600	F-3	H.M.	1	-	
125-1	3'-0"	7'-0"	1 3/4"	D-1	WOOD	1/A600	2/A600		F-1	H.M.	2	-	
126-1	3'-0"	7'-0"	1 3/4"	D-1	WOOD	1/A600	2/A600		F-1	H.M.	3	-	
127-1	3'-0"	7'-0"	1 3/4"	D-1	WOOD	1/A600	2/A600		F-1	H.M.	4	-	
129-1	7'-0"	7'-0"	1 3/4"	D-4	WOOD	5/A600	5/A600		F-3	H.M.	5	90 MIN.	FIRE RATED
129-2	8'-0"	7'-0"	1 3/4"	D-5	WOOD	3/A600	4/A600	9/A600	F-1	H.M.	6	-	
129-1-1	7'-0"	7'-0"	1 3/4"	D-4	WOOD	1/A600	2/A600		F-3	H.M.	7	-	
130-1	7'-0"	7'-0"	1 3/4"	D-7	STEEL	7/A600	8/A600	9/A600	F-3	H.M.	13	-	
135-1	3'-8"	7'-0"	1 3/4"	D-3	WOOD	3/A600	4/A600		F-2	H.M.	8	-	
355-2	10'-0"	7'-0"		D-9	STEEL	10/A600			-	-	-	-	
135-3	3'-8"	7'-0"	1 3/4"	D-3	WOOD	5/A600	5/A600		F-2	H.M.	14	90 MIN.	FIRE RATED
135-4	10'-0"	7'-0"		D-9	STEEL	12/A600			-	-	-	-	FIRE RATED
135-5	3'-0"	7'-0"	1 3/4"	D-2	WOOD	3/A600	4/A600	9/A600	F-1	H.M.	9	-	
136-1	3'-0"	7'-0"	1 3/4"	D-2	WOOD	6/A600	6/A600		F-1	H.M.	10	-	SOUND RATED
137-1	12'-0"	12'-0"	3"	D-10	STEEL	14/A600	15/A600	17/A600	-	-	-	-	
137-2	3'-0"	7'-0"	1 3/4"	D-6	STEEL	7/A600	8/A600	9/A600	F-1	H.M.	11	-	
38-1	3'-6"	7'-0"	1 3/4"	D-4	WOOD	6/A600	6/A600		F-2	H.M.	12	-	SOUND RATED

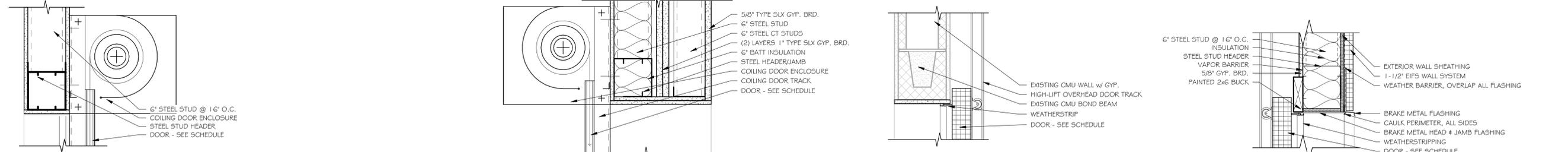
FRAME TYPES:



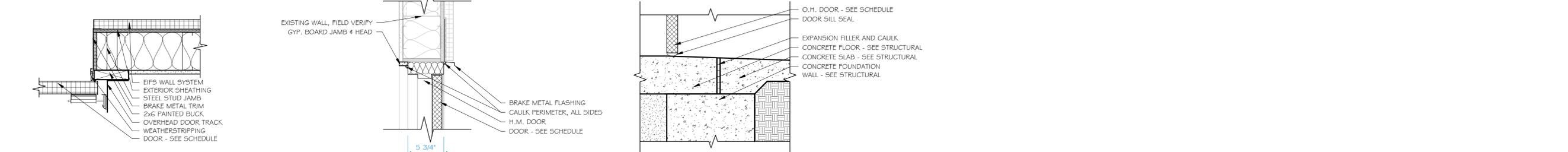
1 DOOR DETAIL - HEAD 1 SCALE: 1 1/2" = 1'-0" 2 DOOR DETAIL - JAMB 1 SCALE: 1 1/2" = 1'-0" 3 DOOR DETAIL - HEAD 2 SCALE: 1 1/2" = 1'-0" 4 DOOR DETAIL - JAMB 2 SCALE: 1 1/2" = 1'-0"



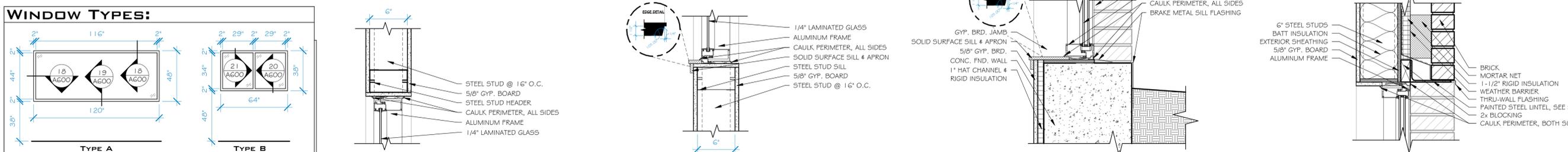
5 DOOR DETAIL - HEAD/JAMB 3 SCALE: 1 1/2" = 1'-0" 6 DOOR DETAIL - HEAD/JAMB 4 SCALE: 1 1/2" = 1'-0" 7 DOOR DETAIL - HEAD 5 SCALE: 1 1/2" = 1'-0" 8 DOOR DETAIL - JAMB 5 SCALE: 1 1/2" = 1'-0" 9 DOOR DETAIL - THRESHOLD (VARIES) SCALE: 1 1/2" = 1'-0"



10 O.H. DOOR DETAIL - HEAD 1 SCALE: 1 1/2" = 1'-0" 12 O.H. DOOR DETAIL - HEAD SCALE: 1 1/2" = 1'-0" 13 O.H. DOOR DETAIL - HEAD 3 SCALE: 1 1/2" = 1'-0" 14 O.H. DOOR DETAIL - HEAD 4 SCALE: 1 1/2" = 1'-0"

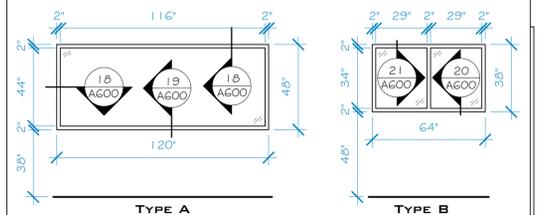


15 O.H. DOOR DETAIL - JAMB 4 SCALE: 1 1/2" = 1'-0" 16 DOOR DETAIL - HEAD/JAMB 6 SCALE: 1 1/2" = 1'-0" 17 O.H. DOOR DETAIL - THRESHOLD SCALE: 1 1/2" = 1'-0"



18 FRAME DETAIL - HEAD/JAMB 1 SCALE: 1 1/2" = 1'-0" 19 FRAME DETAIL - SILL 1 SCALE: 1 1/2" = 1'-0" 20 WINDOW DETAIL - SILL 1 SCALE: 1 1/2" = 1'-0" 21 WINDOW DETAIL - HEAD 1 SCALE: 1 1/2" = 1'-0"

WINDOW TYPES:



GT ARCHITECTURE
 401 WEST VILLARD STREET SUITE 206
 DICKINSON, NORTH DAKOTA 58601
 WWW.GTARCHITECTURE.COM
 PHONE: 701-483-8434

ARCHITECTURAL STAMP
 I hereby certify that this plan, specifications or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of North Dakota.
 Brian Gregoire
 Reg. Number: LB83

REVISION	DATE
1 Addendum #1	02/24

CITY OF DICKINSON
 DICKINSON MUSEUM CENTER EXPANSION
 188 MUSEUM DR. EAST - DICKINSON, ND

DRAWN BY: DBT
DATE: 02-05-2026
PROJECT NUMBER: 08 05 23
SHEET: A600
 SCHEDULES AND DETAILS