

**DOCUMENT 00 90 00
ADDENDUM**

ADDENDUM NO. [2] Date: October 10, 2019

**RE: LANESBORO PUBLIC SCHOOLS
 ADDITION AND REMODEL REBID
 100 KIRKWOOD ST EAST
 LANESBORO, MN 55949
 HSR 18063**

**FROM: HSR Associates, Inc
 100 Milwaukee Street
 La Crosse, WI 54603
 (608) 784-1830**

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated September 2019. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [6] pages, [2] sections, [1] revised hardware groups and [46] 30 x 42 drawings.

CHANGES TO BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT:

1. Pre-bid attendance attached hereto.
2. Reminder: General Contractors shall be receiving separate bids for HVAC control work. Refer to 23 09 14, 1.04; 23 09 23, 2.01; 23 09 93, 1.04.

CHANGES TO GENERAL REQUIREMENTS:

3. Section 01 10 00 SUMMARY
 - a. 1.05 Work by the Owner: Add the following items;
 - i. Low voltage wiring shall be by the Owner under separate contract. Rough-in's shall be in Construction Contract.
 - ii. The Fire Alarm head end equipment and device installation shall be by Owner under separate contract. Fire alarm rough-in and wiring shall be in Construction Contract.
 - b. 1.11, B: The following Work shall be completed as follows:
All Work from Segment B, Grid Line A west and all of Segment A, excluding Kitchen on lower level and Room 219 on upper level shall start June 1, 2020 and be completed by August 28, 2020.
4. Section 01 23 00 ALTERNATES
 - a. Alternate No. 10: Work shall include sink and fixture replacement.
5. Section 01 40 00 QUALITY REQUIREMENTS
 - a. Reminder: The Owner will be employing the services of a testing and inspection agency to complete all testing and inspections specified.

CHANGES TO SPECIFICATIONS:

6. Section 02 41 00 DEMOLITION
 - a. 3.01 A: here buildings or portion of building is being removed, foundations shall be completely removed.
7. Section 04 20 00 – UNIT MASONRY
 - a. 2.02, A: Add “Yankee Hill, Beige Velour” as an approved brick.
8. Section 07 72 00 ROOF ACCESSORIES
 - a. 2.01, B, 3: Change 36 x 30 inches to 36 x 54 inches.
 - b. 2.01, E, 5: Delete “gate”. Provide latching chain.
 - c. Add Item G as follows:

Roof Penetration Housing. Aluminum housing with powder coat finish and curb to contain electrical conduit penetrating roof surface. Housing shall have gasketed lid to housing and housing to curb.

Manufacturer: Roof Penetration Housings, The Vault AW-201412. 20 ½” l x 14 ½” w x 12” h. www.roofpenetrationhousings.com
9. Section 08 33 13 COILING COUNTER DOORS
 - a. Delete 2.02, A: 216E no longer exists.
 - b. Door finish shall be powder coat. Color as selected by A/E.
10. Section 08 33 23 OVERHEAD COILING DOORS
 - a. Section attached hereto as part of Contract Documents.
11. Section 08 36 13 SECTIONAL DOORS
 - a. 2.01, A, 2: Change “3720” to “903 Series”.
12. Section 08 43 13 – ALUMINUM FRAMED STOREFRONT
 - a. Section attached hereto, reissued to include flush aluminum doors.
13. Section 08 71 00 DOOR HARDWARE
 - a. Revised hardware groups attached hereto. Revisions include, but are not limited to doors removed, doors relocated to new groups, edits to parts of groups: Groups 4A, 10, 10A, 11, 11A, 13, 15, 20, 21, 24, 25, 27, 41, 44, 48. Review all groups as some changes may not be reflected in this list.
14. Section 10 15 26 PLASTIC LOCKERS
 - a. 1.02: Delete paragraph C. NFPA standard not required.

CHANGES TO DRAWINGS

15. Sheet C100 DEMOLITION PLAN (no drawing attached)
 - a. The garage and shed shown at NE part of building will be removed by the Owner.
16. Sheet A090 LOWER LEVEL REMOVAL PLAN SEGMENT A 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Floor finish removal scope and door clarification.
17. Sheet A091 LOWER LEVEL REMOVAL FLOOR PLAN - SEG B 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.

18. Sheet A092 LOWER LEVEL REMOVAL FLOOR PLAN - SEG C 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
19. Sheet A093 UPPER LEVEL REMOVAL FLOOR PLAN - SEG A 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Floor finish removal scope added.
20. Sheet A095 UPPER LEVEL REMOVAL FLOOR PLAN - SEG C 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
21. Sheet A100 LOWER LEVEL REMODELED FLOOR PLAN - SEG A 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
22. Sheet A101 LOWER LEVEL REMODELED FLOOR PLAN - SEG B 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revision to door 140B
23. Sheet A102 LOWER LEVEL REMODELED FLOOR PLAN - SEG C 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Wall rating increased to 2 hour separating daycare space. Door ratings changed.
 - c. Window reference at 112 corrected.
 - d. Sink replacement shall be part of countertop replacement in 120 and 121.
24. Sheet A103 UPPER LEVEL REMODELED FLOOR PLAN - SEG A 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Door numbers removed that have no work.
25. Sheet A104 UPPER LEVEL REMODELED FLOOR PLAN - SEG B 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Wall type correction at Vest 200.
 - c. Clarifications to exterior opening in Room 202.
 - d. Sink replacement shall be part of countertop replacement in 204
26. Sheet A105 UPPER LEVEL REMODELED PLAN - SEG C 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Cubbie locations removed from Corridor 252.
 - c. Sink replacement shall be part of countertop replacement in 205, 206, 207, 208 and 213
27. Sheet A120 ROOF PLAN – SEG B 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Change of size of roof hatch to accommodate ships ladder.
 - c. Parapet wall layout revised.
28. Sheet A121 ROOF PLAN – SEG C 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
29. Sheet A200 ELEVATIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Wall finish corrected.
30. Sheet A201 ELEVATIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Wall finish corrected at 1A201

31. Sheet A202 ELEVATIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. 1A202, layout of translucent panels and aluminum storefront adjusted to reflect horizontal steel reinforcement requirements in storefront/translucent panel connection.
32. Sheet A305 WALL SECTIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Foundation detail revised at door in 5a305.
 - c. Code required extension of 3 hour wall indicated at 3 and 4A305.
33. Sheet A307 WALL SECTIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Code required extension of 3 hour wall indicated at 1A307
 - c. 3A307: Wall rating removed from CMU wall at left side of detail.
34. Sheet A308 WALL SECTIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Code required extension of 3 hour wall indicated at 2 and 3A308.
35. Sheet A500 SECTION DETAILS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
36. Sheet A501 SECTION DETAILS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
37. Sheet A510 DETAILS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
38. Sheet A511 DETAILS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
39. Sheet A513 DETAILS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
40. Sheet A601 DOOR SCHEDULE 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
41. Sheet A602 EXTERIOR FRAME ELEVATIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
42. ID FLOOR FINISHES: Refer to architectural remodel plans for room dimensions regarding new floor finish areas.
43. CLARIFICATION-FOOD SERVICE EQUIPMENT DISCONNECTS: All food service equipment disconnects, removal and relocation shall be completed by Food Service Contractor.
44. Sheet S002 STRUCTURAL SCHEDULES 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
45. Sheet S101 FOUNDATION PLAN SEGMENT B 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
46. Sheet S103 FLOOR FRAMING SEGMENT B 30 x 42 attached hereto
 - a. Revisions clouded on Drawing

47. Sheet S104 ROOF FRAMING PLAN SEGMENT B 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
48. Sheet P105 LOWER LEVEL – SEG C - PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise storm, vent, and water pipe locations, as shown.
49. Sheet P108 UPPER LEVEL – SEG C - PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise storm pipe location, as shown.
50. Sheet E000 SYMBOLS AND ABBREVIATIONS - ELECTRICAL 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Add type 'L' light fixture to luminaire schedule, as shown.
 - c. Add schedule notes to communications device schedule and access control schedule to clarify rough-in only scope, as shown.
51. Sheet E001 SITE PLAN - ELECTRICAL 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Add keyed note 1 to clarify approximate location of new utility transformer, as shown.
 - c. Add keyed note 2 to clarify location of existing greenhouse, as shown.
52. Sheet E090P – LOWER LEVEL DEMO – SEG A – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise keyed note 2 to clarify electrical contractor scope of work for fire alarm, as shown.
53. Sheet E092L – LOWER LEVEL DEMO - SEG C – LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise keyed note 1 to clarify scope of work to be done for green house relocation, as shown.
54. Sheet E092P – LOWER LEVEL DEMO - SEG C – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise keyed note 1 to clarify scope of work to be done for green house relocation, as shown.
55. Sheet E095P – UPPER LEVEL DEMO - SEG C – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise keyed note 1 to clarify scope of work for new utility transformer and CT cabinet, as shown.
56. Sheet E101L – LOWER LEVEL - SEG B – LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise lighting and lighting control devices per architectural changes, as shown.
57. Sheet E101P – LOWER LEVEL - SEG B – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise power and systems devices per architectural changes, as shown.
58. Sheet E102P – LOWER LEVEL – SEG C – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise keyed note 7 to clarify scope of work for solar/pv conduits and routing, as shown.
 - c. Add keyed note 8 to clarify scope of work for solar/pv conduits and routing, as shown.

59. Sheet E104L – UPPER LEVEL - SEG B – LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise lighting and lighting control devices per architectural changes, as shown.
60. Sheet E105L – UPPER LEVEL - SEG C – LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise lighting and lighting control devices per architectural changes, as shown.
61. Sheet E105P – UPPER LEVEL - SEG C – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Add keyed notes 2 and 3 to clarify scope of work for solar/pv conduits and routing, as shown.
62. Sheet E600 – ONE LINE DIAGRAM – ELECTRICAL 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise one line diagram to include new ct cabinet and feeder, as shown.
63. Sheet E800 – SCHEDULES - ELECTRICAL 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Revise HVAC & Plumbing equipment schedules, as shown.

END OF DOCUMENT 00 90 00

Page Intentionally Left Blank

SECTION 08 33 23
OVERHEAD COILING DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Overhead coiling doors, operating hardware, exterior; electrically operated.
- B. Wiring from electric circuit disconnect to operator to control station.

1.02 RELATED REQUIREMENTS

- A. Section 04 20 00 - Unit Masonry: Prepared masonry opening.
- B. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.
- C. Section 08 71 00 - Door Hardware: Cylinder cores and keys.
- D. Division 26 - Equipment wiring.

1.03 REFERENCE STANDARDS

- A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2014.
- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.
- C. ITS (DIR) - Directory of Listed Products; current edition.
- D. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum); 2014.
- E. NEMA ICS 2 - Industrial Control and Systems Controllers, Contactors and Overload Relays Rated 600 Volts; 2000 (R2005), with errata, 2008.
- F. NEMA MG 1 - Motors and Generators; 2014.
- G. UL (DIR) - Online Certifications Directory; current listings at database.ul.com.
- H. UL 325 - Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems; Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 01 30 00 - General Requirements, for submittal procedures.
- B. Product Data: Provide general construction, electrical equipment, and component connections and details.
- C. Shop Drawings: Indicate pertinent dimensioning, anchorage methods, hardware locations, and installation details.
- D. Manufacturer's Installation Instructions: Indicate installation sequence and procedures, adjustment and alignment procedures.
- E. Maintenance Data: Indicate lubrication requirements and frequency and periodic adjustments required.

1.05 QUALITY ASSURANCE

- A. Products Requiring Electrical Connection: Listed and classified by ITS (DIR), UL (DIR), or testing firm acceptable to authorities having jurisdiction as suitable for purpose specified.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Insulated Overhead Coiling Doors:
 - 1. Basis of Design: Cornell Iron Works, Inc. ESD30 Thermiser Max: www.cornelliron.com
 - 2. C.H.I. Overhead Doors: www.chiohd.com/#sle.
 - 3. Clopay Building Products: www.clopaydoor.com/#sle.
 - 4. The Cookson Company: www.cooksondoor.com/#sle.
 - 5. Wayne-Dalton, a Division of Overhead Door Corporation: www.wayne-dalton.com/#sle.
 - 6. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 COILING DOORS

- A. Exterior Coiling Doors: Steel slat curtain.
 - 1. Capable of withstanding positive and negative wind loads of 20 psf, without undue deflection or damage to components.
 - 2. Sandwich slat construction with insulated core of foamed-in-place polyurethane insulation; minimum R-value of 7.
 - 3. Nominal Slat Size: 3 inches wide x required length.
 - 4. Finish: Galvanized and factory powder coat.
 - 5. Finish: Factory painted, color as selected.
 - 6. Guide, Angles: Galvanized steel.
 - 7. Hood Enclosure: Manufacturer's standard; primed steel.
 - 8. Electric operation.
 - 9. Mounting: Within framed opening.

2.03 MATERIALS AND COMPONENTS

- A. Curtain Construction: Interlocking slats.
 - 1. Slat Ends: Alternate slats fitted with end locks to act as wearing surface in guides and to prevent lateral movement.
 - 2. Curtain Bottom: Fitted with angles to provide reinforcement and positive contact in closed position.
 - 3. Weatherstripping: Moisture and rot proof, resilient type, located at jamb edges, bottom of curtain, and where curtain enters hood enclosure of exterior doors.
- B. Steel Slats: Minimum thickness, 22 gage, 0.0299 inch; ASTM A653/A653M galvanized steel sheet.
 - 1. Galvanizing: Minimum G90 coating.
- C. Guide Construction: Continuous, of profile to retain door in place with snap-on trim, mounting brackets of same metal.
- D. Guides - Angle: ASTM A36/A36M metal angles, size as required to meet code and loads.
 - 1. Prime paint.
- E. Hood Enclosure and Trim: Internally reinforced to maintain rigidity and shape.
 - 1. Prime paint.
- F. Roller Shaft Counterbalance: Steel pipe and helical steel spring system, capable of producing torque sufficient to ensure smooth operation of curtain from any position and capable of holding position at mid-travel; with adjustable spring tension; requiring 25 lb nominal force to operate.

2.04 ELECTRIC OPERATION

- A. Electric Operators:
 - 1. Mounting: Side mounted.
 - 2. Motor Enclosure:
 - a. Interior Coiling Doors: NEMA MG 1, Type 1; open drip proof.
 - 3. Motor sized per manufacturers requirement.
 - 4. Motor Voltage: 120 volts, single phase, 60 Hz.
 - 5. Motor Controller: NEMA ICS 2, full voltage, reversing magnetic motor starter.
 - 6. Controller Enclosure: NEMA 250, Type 1.
 - 7. Opening Speed: 12 inches per second.
 - 8. Brake: Adjustable friction clutch type, activated by motor controller.
 - 9. Manual override in case of power failure.
- B. Control Station: Provide standard three button (Open-Close-Stop) continuous-constant control device for each operator complying with UL 325.
 - 1. 24 volt circuit.
 - 2. Surface mounted, at interior door jamb.
 - 3. Entrapment Protection Devices: Provide sensing devices and safety mechanisms complying with UL 325.
 - a. Secondary Device: Provide electric sensing edge with wireless edge kit or non-monitored safety edge as an option along with continuous-constant control device.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that opening sizes, tolerances and conditions are acceptable.

3.02 INSTALLATION

- A. Install units in accordance with manufacturer's instructions.
- B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.
- C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.
- D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.
- E. Coordinate installation of electrical service. Service and control wiring shall be installed by Division 26.
- F. Complete wiring from disconnect to unit components.
- G. Install enclosure and perimeter trim.

3.03 ADJUSTING

- A. Adjust operating assemblies for smooth and noiseless operation.

3.04 CLEANING

- A. Clean installed components.
- B. Remove labels and visible markings.

END OF SECTION

Page Intentionally Left Blank

SECTION 08 43 13
ALUMINUM-FRAMED STOREFRONTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Aluminum-framed storefront, with vision glass. Product from this section and Section 08 44 13 shall be single sourced
- B. Aluminum doors and frames.
- C. Flush aluminum doors.
- D. Weatherstripping.

1.02 RELATED REQUIREMENTS

- A. Section 04 20 00 - Unit Masonry: Preparation of adjacent work to receive work of this section.
- B. Section 05 50 00 - Metal Fabrications: Steel attachment devices.
- C. Section 07 25 00 - Air Barriers: Sealing framing to weather barrier installed on adjacent construction.
- D. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.
- E. Section 08 44 13 - Glazed Aluminum Curtain Walls.
- F. Section 08 45 00 - Translucent Wall and Roof Assemblies: Framing married to storefront.
- G. Section 08 71 00 - Door Hardware: Hardware items other than specified in this section.
- H. Section 08 80 00 - Glazing: Glass and glazing accessories.
- I. Division 26: Connection to related powered and access control accessories.

1.03 REFERENCE STANDARDS

- A. AAMA CW-10 - Care and Handling of Architectural Aluminum From Shop to Site; 2015.
- B. AAMA 501.2 - Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems; 2015.
- C. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2014 (2015 Errata).
- D. AAMA 1503 - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections; 2009.
- E. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.
- F. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.
- G. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2013.
- H. ASTM E283 - Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2004 (Reapproved 2012).
- I. ASTM E330/E330M - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2014.
- J. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2016).

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, glass and infill, internal drainage details and unit u-value, center of glass u-value and solar heat gain coefficient.
- C. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related work, expansion and contraction joint location and details, and field welding required.
- D. Manufacturer's Certificate: Certify that the products supplied meet or exceed the specified requirements.

- E. Design Data: Provide framing member structural and physical characteristics, dimensional limitations.
- F. Field Quality Control Submittals: Report of field testing for water penetration.
- G. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.
- B. Unit U-value factors shall be labeled in accordance with NFRC 100 and 500.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Handle products of this section in accordance with AAMA CW-10.
- B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

1.07 FIELD CONDITIONS

- A. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a two year period after the Date of Substantial Completion.
- C. Provide ten year manufacturer warranty against failure of glass seal on insulating glass units, including interpane dusting or misting. Include provision for replacement of failed units.
- D. Provide ten year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Aluminum-Framed Storefront and Doors: High Performance Thermal Break for Window Framing.
 1. Kawneer North America: Trifab 451UT and 601UT (2" x 6"). www.kawneer.com.
 2. Manko Window Systems, Inc: 2450xpt and 2600xpt. www.mankowindows.com.
 3. Tubelite, Inc.: TU24000 and TU24650 (2" x 6 1/2"). www.tubeliteinc.com.
 4. YKK AP: YES 45 XT and YES 60 XT (2" x 6"). www.ykkap.com
 5. Oldcastle Building Envelope: 3000XT or 6000XT. www.oldcastlebe.com.
 6. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 STOREFRONT

- A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
 1. Glazing Position: Front-set.
 2. Vertical Mullion Dimensions: 2 inches wide x 4 1/2 inches deep and 2 inches wide x 6 inches deep
 3. Finish: Clear and dark bronze anodized as noted on Drawings.
 - a. Factory finish all surfaces that will be exposed in completed assemblies.
 - b. Touch-up surfaces cut during fabrication so that no natural aluminum is visible in completed assemblies, including joint edges.
 - c. Coat concealed metal surfaces that will be in contact with cementitious materials or dissimilar metals with bituminous paint.
 4. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.
 5. Construction: Eliminate noises caused by wind and thermal movement, prevent vibration harmonics, and prevent "stack effect" in internal spaces.
 6. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.

7. Expansion/Contraction: Provide for expansion and contraction within system components caused by cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental effect to system components, anchorages, and other building elements.
 8. Movement: Allow for movement between storefront and adjacent construction, without damage to components or deterioration of seals.
 9. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.
 10. Air and Vapor Seal: Maintain continuous air barrier and vapor retarder throughout assembly, primarily in line with inside pane of glazing and heel bead of glazing compound.
- B. Performance Requirements:
1. Wind Loads: Design and size components to withstand the specified load requirements without damage or permanent set, when tested in accordance with ASTM E330/E330M, using loads 1.5 times the design wind loads and 10 second duration of maximum load.
 - a. Design Wind Loads: Comply with requirements of ASCE 7.
 - b. Member Deflection: Limit member deflection to flexure limit of glass in any direction, with full recovery of glazing materials.
 2. Water Penetration Resistance: No uncontrolled water on interior face, when tested in accordance with ASTM E331 at pressure differential of 12 psf.
 3. Air Leakage Laboratory Test: Maximum of 0.06 cu ft/min sq ft of wall area, when tested in accordance with ASTM E283 at 6.27 psf pressure differential across assembly.
 4. Condensation Resistance (CR) Factor of Framing: 50, minimum, measured in accordance with NFRC 500.
 5. Overall System U-value Including Glazing: 0.36, maximum, measured in accordance with NFRC 100.

2.03 DOOR COMPONENTS

- A. Aluminum Exterior Door Framing Members: 1/8 inch minimum wall thickness, tubular aluminum sections, drainage holes and internal weep drainage system.
1. Glazing stops: Applied.
- B. Flush Aluminum Doors with Aluminum Face Sheets: Aluminum internal framing and faces; no steel components.
1. Thickness: 1-3/4 inches, nominal.
 2. Facing: Seamless aluminum sheet, 0.062 inch, smooth texture, laminated to foam panel core.
 3. Finish: Class II - Natural anodized.
 4. Framing and Hardware Backup: Extruded aluminum tubing, 1/8 inch minimum thickness.
 5. Perimeter Edges: Extruded aluminum cap.
 6. Core: Poured-in-place polyurethane foam insulating material of not less than 5 lb/cu ft density.
 7. Laminating Adhesive: Manufacturer's standard low-VOC materials.
- C. Interior Aluminum Door Framing Members: Tubular aluminum sections, non-thermally broken, drainage holes and internal weep drainage system.
1. Glazing stops: Applied
- D. Glazing: As specified in Section 08 80 00.

2.04 WINDOW AND SIDELIGHT COMPONENTS

- A. Aluminum Framing Members: Tubular aluminum sections, thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
1. Framing members for interior applications need not be thermally broken.
 2. Glazing Stops: Applied.
- B. Glazing: As specified in Section 08 80 00.
- C. Swing Doors: Glazed aluminum.
1. Thickness: 1-3/4 inches.
 2. Wide Stile: 5 inch minimum stiles and top rail.
 3. Bottom Rail: 10 inches wide minimum single rail design.
 4. Glazing Stops: Square.
 5. Finish: Same as storefront.

2.05 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M).
- B. Fasteners: Stainless steel.
- C. Extruded Sills: Aluminum to match window frame. Profile as detailed.
- D. Perimeter Sealant: Type specified in Section 07 92 00.
- E. Glass: As specified in Section 08 80 00.
- F. Glazing Gaskets: Type to suit application to achieve weather, moisture, and air infiltration requirements.

2.06 FINISHES

- A. Class II Natural Anodized Finish: AAMA 611 AA-M12C22A31 Clear anodic coating not less than 0.4 mils thick.
- B. Class II Color Anodized Finish: AAMA 611 AA-M12C22A32 Integrally colored anodic coating not less than 0.4 mils thick.
- C. Color: As indicated on drawings.

2.07 HARDWARE

- A. Other Door Hardware: As specified in Section 08 71 00.
- B. Weatherstripping: Wool pile, continuous and replaceable; provide on all doors.
- C. Sill Sweep Strips: Resilient seal type, retracting, of neoprene; provide on all doors.

2.08 FABRICATION

- A. Fabricate components with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.
- B. Accurately fit and secure joints and corners. Make joints flush, hairline, and weatherproof.
- C. Prepare components to receive anchor devices. Fabricate anchors.
- D. Coat concealed metal surfaces that will be in contact with cementitious materials or dissimilar metals with bituminous paint.
- E. Arrange fasteners and attachments to conceal from view.
- F. Reinforce components internally for door hardware and door operators.
- G. Reinforce framing members for imposed loads.
- H. Finishing: Apply factory finish to all surfaces that will be exposed in completed assemblies.
 - 1. Touch-up surfaces cut during fabrication so that no natural aluminum is visible in completed assemblies, including joint edges.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- C. Provide alignment attachments and shims to permanently fasten system to building structure.
- D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- E. Provide thermal isolation where components penetrate or disrupt building insulation.
- F. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.
- G. Where fasteners penetrate sill flashings, make watertight by seating and sealing fastener heads to sill flashing.
- H. Coordinate installation of conduit box at head of frame and flexible conduit in frame to electric strike at electrified doors identified in Hardware Schedule with Division 26.
- I. Coordinate attachment and seal of perimeter air and vapor barrier materials.

- J. Pack fibrous insulation or apply expanding foam in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- K. Set thresholds in bed of sealant and secure.
- L. Install glass in accordance with Section 08 80 00, using glazing method required to achieve performance criteria.
- M. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

3.02 FIELD QUALITY CONTROL

- A. Water-Spray Test: Provide water spray quality test of installed storefront components in accordance with AAMA 501.2 during construction process and before installation of interior finishes.
 - 1. Perform a minimum of two tests in each designated area as directed by Architect.
- B. Repair or replace storefront components that have failed designated field testing, and retest to verify performance conforms to specified requirements.

3.03 ADJUSTING

- A. Adjust operating hardware for smooth operation.

3.04 CLEANING

- A. Remove protective material from pre-finished aluminum surfaces.
- B. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths, and take care to remove dirt from corners and to wipe surfaces clean.

END OF SECTION

Page Intentionally Left Blank

SECTION 08 71 00

DOOR HARDWARE

3.04 HARDWARE SCHEDULE

DOOR HARDWARE SCHEDULE
LANESBORO ADDITION & REMODEL

HARDWARE GROUP 1

EACH PAIR OF ALUM DOORS TO HAVE:
DR.100A/B

2 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SCUSH 689	LCN
2 EA	DROP PLATE	4040XP-18 689	LCN
2 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
2 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	ELECTRIC STRIKE	6300 US32D	VONDUPRIN
2 EA	THRESHOLD	S425A36	REESE
1 EA	RAIN DRIP	R201A120	REESE
2 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

CARD READER ON ONE LEAF OF PAIR, READER, PWR SUPPLY AND DPS BY ACCESS CONTROL PROVIDER.

HARDWARE GROUP 2

EACH SINGLE ALUM DOOR TO HAVE:
DR.100C

1 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	THRESHOLD	S425A36	REESE
1 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

1

HARDWARE GROUP 3

EACH PAIR OF ALUM DOORS TO HAVE:
DR.100D, 100E, 100F

1 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	PUSH/PULL COMBO	BF15747 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	WEATHERSTRIP/SWEEP IF REQ	BY ALUM DR AND FRAME SUPPLIER	

HARDWARE GROUP 4

EACH SINGLE DOOR TO HAVE:
 DR., 173, 189A, 201A, 201G, 201H

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	ENTRANCE LOCK	ND53LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	SOUND GASKET	F797B17	REESE

HARDWARE GROUP 4A

EACH SINGLE DOOR TO HAVE:
 DR. 101, 102A, 107, 108A, 108B, 110, 112A, 172B

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	ENTRANCE LOCK	ND53LD RHO 626	SCHLAGE
1 EA	CLOSER	4040XP EDA 689	LCN
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	SOUND GASKET	F797B17	REESE

HARDWARE GROUP 5

EACH SINGLE DOOR TO HAVE:
 DR. 103, 105, 109

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PASSAGE LOCK	ND10S RHO 626	SCHLAGE
1 EA	SURFACE OVERHEAD STOP	450S 652	GLYNN JOHN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 6

EACH SINGLE DOOR TO HAVE:
 DR. 104

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PASSAGE LOCK	ND10S RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 7

EACH PAIR OF WD DOORS TO HAVE:
DR.106A

6 EA	BUTTS	FBB168 4.5 X 4.5 652 NRP	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SHCUSH 689	LCN
1 EA	GASKET	F797B25	REESE
2 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
2 EA	ASTRAGAL FINIS	S771D7	PEMCO

HARDWARE GROUP 8

EACH SINGLE ALUM DR TO HAVE:
DR.102B

1 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	THRESHOLD	S425A36	REESE

HARDWARE GROUP 8A

EACH SINGLE HM DR TO HAVE:
DR.106B

4 EA	HINGES	FBB168 4.5 X 4.5 652 NRP	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	SMOKE GASKET	F797B19	REESE

HARDWARE GROUP 9

EACH SINGLE DOOR TO HAVE:
DR.111A, 111B

4 EA	HINGES	FBB168 4.5 X 4.5 652	STANLEY
1 EA	PUSH PLATE	70C US32D	ROCKWOOD
1 EA	PULL	110 X 70C US32D	ROCKWOOD
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 10

EACH SINGLE DOOR TO HAVE:
 DR. 118A, 166D, 203, 217

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 10A

EACH SINGLE DOOR TO HAVE:
 DR. 113, 116

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	CLOSER	4040XP EDA 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKET	F797B19	REESE

HARDWARE GROUP 11

EACH SINGLE DOOR TO HAVE:
 DR. 201E, 225A

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PRIVACY LOCK	ND40S RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKET	F797B17	REESE

HARDWARE GROUP 11A

EACH SINGLE DOOR TO HAVE:
 DR. 114, 115

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PRIVACY LOCK	ND40S RHO 626	SCHLAGE
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKET	F797B17	REESE

HARDWARE GROUP 12

EACH PAIR OF DOORS TO HAVE:
DR.117ST

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	99L-F X 996L-R US26D	VONDUPRIN
2 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	CLOSER	4040XP SCUSH 689	LCN
2 EA	KICKPLATE	10 X 1"LDW B4E CS US32D	ROCKWOOD
1 EA	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINIS	S771D7	PEMKO

HARDWARE GROUP 13

EACH PAIR OF ALUM DOORS TO HAVE:
DR.117A, 152A

2 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SCUSH 689	LCN
2 EA	DROP PLATE	4040XP-18 689	LCN
2 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
2 EA	BLADE SPACER	4040XP-61 689	LCN
2 EA	THRESHOLD	S425A48	REESE
1 EA	RAIN DRIP	R201A- 4"WIDER DR WIDTH	REESE
2 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

HARDWARE GROUP 14

EACH PAIR OF DOORS TO HAVE:
DR.118B, 118G, 161B

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	99L X 996L-RUS26D	VONDUPRIN
1 EA	KEYED REMOVABLE MULL	KR4954 SP28	VONDUPRIN
2 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	MORT CYL (KEYED MULL)	20-771 626	SCHLAGE
2 EA	CLOSER	4040XP SHCUSH 689	LCN
2 EA	GASKETS	F797B17	REESE

HARDWARE GROUP 15

EACH PAIR OF ALUM DOORS TO HAVE:
DR.118H

2 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
1 EA	KEYED REMOVABLE MULL	KR4954 SP28	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	MORT CYL (KEYED MULL)	20-771 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SHCUSH 689	LCN
2 EA	DROP PLATE	4040XP-18 689	LCN
2 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
2 EA	BLADE SPACER	4040XP-61 689	LCN
2 EA	THRESHOLD	S425A48	REESE
1 EA	RAIN DRIP	R201A79	REESE
2 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

HARDWARE GROUP 16

EACH SINGLE DOOR TO HAVE:
DR. 127A

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PRIVACY LOCK	ND40S RHO 626	SCHLAGE
1 EA	SURFACE OHS	450S 652	GLYNN JOHN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	GASKET	F797B17	REESE

HARDWARE GROUP 17

EACH PAIR OF DOORS TO HAVE:
DR.140A, 152C, 224

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	9927EO-F LBR 4' 313	VONDUPRIN
2 EA	CLOSER	4040XP EDA 695	LCN
2 EA	MAG HOLD OPENS	SEM7850 689	LCN
2 EA	KICKPLATE	10 X 1"LDW B4E CS US10B	ROCKWOOD
2 EA	WALL STOPS	409 US10B	ROCKWOOD
1 EA	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINIS	S771D7	PEMKO

HARDWARE GROUP 18

NOT USED

HARDWARE GROUP 19

EACH SINGLE DOOR TO HAVE:
DR. 152E

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKET	F797B17	REESE

HARDWARE GROUP 20

NOT USED

HARDWARE GROUP 21

NOT USED

HARDWARE GROUP 22

EACH SINGLE DOOR TO HAVE:
DR. 157A, 157F

3 EA	BUTTS	FBB168 4.5 X 4.5 652	STANLEY
1 EA	ENTRANCE LOCK	ND53LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	SMOKE GASKET	F797B17	REESE

HARDWARE GROUP 23

EACH SINGLE DOOR TO HAVE:
DR. 157D

3 EA	BUTTS	FBB168 4.5 X 4.5 652	STANLEY
1 EA	PRIVACY LOCK	ND40S RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKET	F797B17	REESE

HARDWARE GROUP 24

EACH PAIR OF HM DOORS TO HAVE:
DR.161A

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
1 EA	KEYED REMOVABLE MULL	KR4854 SP28 BLANK	VONDUPRIN
1 EA	ELEC STRIKE	6300 US32D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	MORT CYL (KEYED MULL)	20-771 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SHCUSH 689	LCN
1 EA	THRESHOLD	S425A72	REESE
2 EA	WEATHERSTRIP/SWEEP	815A3684	REESE
2 EA	SWEEPS	323C36	REESE
1 EA	RAIN DRIP	R201A84	REESE

CARD READER, PWR SUPPLY, DISCONNECT FOR ELEC STK, BY CARD ACCESS VENDOR.

HARDWARE GROUP 25

EACH PAIR OF DOORS TO HAVE:
DR.164A, 128

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	9927EO-F LBR 4' 626	VONDUPRIN
2 EA	CLOSER	4040XP EDA 689	LCN
2 EA	MAG HOLD OPENS	SEM7850 689	LCN
2 EA	KICKPLATE	10 X 1"LDW B4E CS US32D	ROCKWOOD
2 EA	WALL STOPS	409 US32D	ROCKWOOD
1 EA	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINS	S771D7	PEMKO

HARDWARE GROUP 26

EACH SINGLE DOOR TO HAVE:
DR. 166E

3 EA	BUTTS	FBB168 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 27

EACH PAIR OF DOORS TO HAVE:
DR.189D

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	9927L-F X 996L-R LBR 313	VONDUPRIN
1 EA	EXIT DEVICE	9975L-F X 996L-R LBR 313	VONDUPRIN
1 EA	RIM CYLINDER	20-757 613	SCHLAGE
1 EA	MORT CYLINDER	20-763 613	SCHLAGE
2 EA	CLOSER	4040SE STD 695	LCN
2 EA	KICKPLATE	10 X 1"LDW B4E CS US10B	ROCKWOOD
1 EA	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINIS	S771D7	PEMKO

HARDWARE GROUP 28

EACH PAIR OF ALUM DOORS TO HAVE:
DR.200D/C

2 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	AUTO OPERATOR	4642 REG 689	LCN
2 EA	ACTUATORS	8310-852T	LCN
1 EA	WEATHER RING	8310-802	LCN
1 EA	ELECTRIC STRIKE	6300 US32D	VONDUPRIN
1 EA	SURFACE OHS	100S US32D	GLYNN JOHN
2 EA	THRESHOLD	S425A36	REESE
1 EA	RAIN DRIP	R201A84	REESE
2 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

CARD READER ON ONE LEAF OF PAIR, READER, PWR SUPPLY AND DPS BY ACCESS CONTROL PROVIDER.

HARDWARE GROUP 29

EACH PAIR OF ALUM DOORS TO HAVE:
DR.200A/B

2 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
2 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SCUSH 689	LCN
2 EA	DROP PLATE	4040XP-18 689	LCN
2 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
2 EA	BLADE SPACER	4040XP-61 689	LCN
2 EA	THRESHOLD	S425A36	REESE
1 EA	RAIN DRIP	R201A84	REESE
2 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

DPS BY ACCESS CONTROL PROVIDER.

HARDWARE GROUP 30

EACH PAIR OF HM DOORS TO HAVE:
DR.200G/H

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	KEYED REMOVABLE MULL	KR4954 SP28	VONDUPRIN
1 EA	MORT CYLINDER	20-771 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	AUTO OPERATOR	4642 REG 689	LCN
2 EA	ACTUATORS	8310-852T	LCN
1 EA	WEATHER RING	8310-802	LCN
1 EA	ELECTRIC STRIKE	6300 US32D	VONDUPRIN
1 EA	SURFACE OHS	100S US32D	GLYNN JOHN
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

CARD READER ON ONE LEAF OF PAIR, READER, PWR SUPPLY AND DPS BY ACCESS CONTROL PROVIDER.

HARDWARE GROUP 31

EACH PAIR OF HM DOORS TO HAVE:
DR.200E/F

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
1 EA	KEYED REMOVABLE MULL	KR4954 SP28	VONDUPRIN
1 EA	MORT CYLINDER	20-771 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SCUSH 689	LCN
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

DPS BY ACCESS CONTROL PROVIDER

HARDWARE GROUP 32

EACH SINGLE DOOR TO HAVE:
DR.201

1 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	ELECTRIC STRIKE	6300 US32D	VONDUPRIN
1 EA	SMOKE GASKET	F797B17	REESE

HARDWARE GROUP 33

EACH PAIR OF DOORS TO HAVE:
DR.201K

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	99L- X 996L-R 4' US26D	VONDUPRIN
2 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	CLOSER	4040XP SCUSH 689	LCN
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 34

EACH SINGLE DOOR TO HAVE:
DR. 202A, 202B

3 EA	BUTTS	FBB168 4.5 X 4.5 652 NRP	STANLEY
1 EA	ENTRANCE LOCK	ND53LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	CLOSER	4040XP EDA 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKET	F797B17	REESE

HARDWARE GROUP 35

EACH SINGLE ALUM DOOR TO HAVE:
DR.202C

1 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	THRESHOLD	S425A36	REESE
1 EA	RAIN DRIP	R201A48	REESE
1 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

HARDWARE GROUP 36

EACH SINGLE DOOR TO HAVE:
DR. 234

3 EA	BUTTS	FBB191 4.5 X 4.5 630	STANLEY
1 EA	STORERM LOCK	ND80LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	THRESHOLD	S425A36	REESE
1 EA	DR BOTTOM	DB595A36	REESE
1 EA	WEATHERSTRIP	815A3684	REESE

HARDWARE GROUP 37

NOT USED

HARDWARE GROUP 38

EACH SINGLE DOOR TO HAVE:

DR. 120, 121, 123, 127, 129, 204, 205, 206, 207, 208, 212, 213B

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	ENTRANCE LOCK	ND53LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	SOUND GASKET	F797B17	REESE

No Wall Stop at 120 and 129.

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.**HARDWARE GROUP 39**

EACH SINGLE DOOR TO HAVE:

DR. 128, 162, 163A, 163B, 165, 165A, 166, 167, 168, 172A, 175A, 175B, 182, 183, 184, 187, 188, 218, 219, 220A, 220B, 221A, 221B, 222, 223, 223B, 224A, 229, 229B, 230, 231, 232

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	ENTRANCE LOCK	ND53LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	SOUND GASKET	F797B17	REESE

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.**HARDWARE GROUP 40**

EACH SINGLE DOOR TO HAVE:

DR. 169, 171, 226, 227

4 EA	HINGES	FBB168 4.5 X 4.5 652	STANLEY
1 EA	PUSH PLATE	70C US32D	ROCKWOOD
1 EA	PULL	110 X 70C US32D	ROCKWOOD
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.

HARDWARE GROUP 41

EACH SINGLE DOOR TO HAVE:

DR. 170, 176, 179, 189B

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.**HARDWARE GROUP 42**

EACH SINGLE DOOR TO HAVE:

DR. 228

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80LD RHO 626	SCHLAGE
1 EA	CORE	PRIMUS 20-765	SCHLAGE
1 EA	SURFACE OHS	450S 652	GLYNN JOHN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.**HARDWARE GROUP 43**

EACH SINGLE DOOR TO HAVE:

DR. 230C

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PRIVACY LOCK	ND40S RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.**HARDWARE GROUP 44**

EACH PAIR OF HM DOORS TO HAVE:

DR.138, 140C, 181A, 186A, 234A

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SHCUSH 689	LCN
2 EA	THRESHOLD	S425A72	REESE
2 EA	WEATHERSTRIP/SWEEP	815A3684	REESE
2 EA	SWEEPS	323C36	REESE
1 EA	RAIN DRIP	R201A84	REESE

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.

HARDWARE GROUP 45

EACH PAIR OF HM DOORS TO HAVE:
DR.188A

1 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SHCUSH 689	LCN
1 EA	THRESHOLD	S425A36	REESE
1 EA	WEATHERSTRIP/SWEEP	815A3684	REESE
1 EA	SWEEPS	323C36	REESE
1 EA	RAIN DRIP	R201A48	REESE

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.

HARDWARE GROUP 46

EACH PAIR OF DOORS TO HAVE:
DR.209

6 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
2 EA	EXIT DEVICE	9927L X 996L-V LBR 4'	VONDUPRIN
2 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	CLOSER	4040XP SHCUSH 689	LCN
2 EA	KICKPLATE	10 X 1"LDW B4E CS US32D	ROCKWOOD
2 EA	WALL STOPS	409 US32D	ROCKWOOD
1 EA	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINIS	S771D7	PEMKO

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.

HARDWARE GROUP 47(ALTERNATE BID)

EACH SINGLE DOOR TO HAVE:
DR.117ST1

1 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99L-F-BE X 996L-R-BE US26D	VONDUPRIN
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKETS	F797B19	REESE

HARDWARE GROUP 48

EACH PAIR OF DOORS TO HAVE:

DR.140B

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	9927L-F X 996L-R LBR 313	VONDUPRIN
1 EA	EXIT DEVICE	9975L-F X 996L-R 313	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	MORT CYLINDER	20-763 626	SCHLAGE
2 EA	CLOSER	4040XP EDA 695	LCN
2 EA	MAG HOLD OPENS	SEM7850 689	LCN
2 EA	KICKPLATE	10 X 1"LDW B4E CS US10B	ROCKWD
2 EA	WALL STOPS	409 US10B	ROCKWD
1 EA	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINS	S771D7	PEMKO

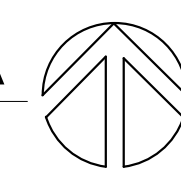
END OF SECTION 08 71 00

Page Intentionally Left Blank



1 LOWER LEVEL REMOVAL FLOOR PLAN - SEG A

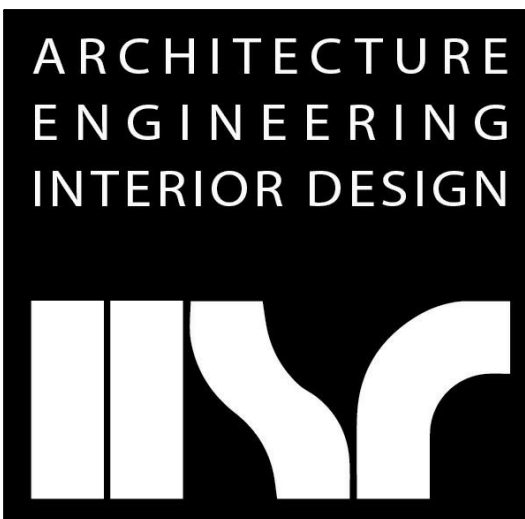
1/8" = 1'-0"



- REMOVAL GENERAL NOTES:**
- A ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. TIME AND METHODS SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER AND ARCHITECT. THIS SHALL INCLUDE ALL ELECTRICAL, MECHANICAL OR PLUMBING WITHIN THE REMOVED STRUCTURE. TERMINATE AND CAP MEP AS REQUIRED. DO NOT ABANDON IN PLACE UNLESS CONDIT. PIPE, ETC. REMOVE COMPLETELY. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
 - B PREPARATION FOR NEW FINISHES SHALL INCLUDE BUT NOT LIMITED TO REMOVAL OF EXISTING FINISHES, REMOVAL OF TAPES, GLUES (MASTIC), NAILS, ETC. PATCHING OF HOLES AND CRACKS TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
 - C OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
 - D DELIVERY ROUTE AND TIMES FOR NEW MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER.
 - E CONTRACTORS SHALL BE REQUIRED TO USE EFFECTIVE MEASURES TO AVOID SPREADING/TRACKING DUST AND DEBRIS OUTSIDE THE WORK SPACE.
 - F MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING. COORDINATE WITH LOCAL FIRE MARSHAL AS REQUIRED.
 - G ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATE PURPOSES ONLY.
 - H SEE MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL REMOVAL NOTES AND ITEMS.
 - I COORDINATE REMOVAL AND PATCHING WITH MEP DRAWINGS. PATCH TO MATCH EXISTING ADJACENT CONDITIONS.
 - J COORDINATE STORAGE LOCATIONS FOR SALVAGED EQUIPMENT, ACCESSORIES, ETC. WITH THE OWNER. SALVAGED ITEMS SHALL BE PLACED AT A COMMON LOCATION INDICATED BY OWNER.
 - K CONTRACTOR TO INSTALL AND MAINTAIN A DUST ENCLOSURE FOR REMOVAL AND NEW CONSTRUCTION WORK.
 - L PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

- REMOVAL PLAN LEGEND:**
- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - - - REMOVE ITEMS NOTED WITH DASHED LINES
 - - - ARCHITECT SHALL INCLUDE ALL ELECTRICAL, MECHANICAL OR PLUMBING WITHIN THE REMOVED STRUCTURE. TERMINATE AND CAP MEP AS REQUIRED. DO NOT ABANDON IN PLACE UNLESS CONDIT. PIPE, ETC. REMOVE COMPLETELY. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
 - SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE
 - FLOOR REMOVAL EXTENTS
 - ROOF REMOVAL EXTENTS

- KEY NOTES REMOVAL**
- 1 REMOVE TRUPHY CASE
 - 2 REMOVE OVERHEAD COILING DOOR
 - 3 REMOVE WINDOW - INFILL OR ENLARGE OPENINGS AS INDICATED ON NEW PLANS
 - 4 REMOVE WINDOW - INFILL OR ENLARGE OPENINGS AS INDICATED ON NEW PLANS
 - 5 SAWCUT NEW DOOR IN CMU WALL
 - 6 REMOVE HOLLOW METAL DOOR & FRAME
 - 7 REMOVE WINDOW AND CMU BELOW FOR NEW DOOR
 - 8 REMOVE PLUMBING FITTURE - SEE PLUMBING
 - 9 REMOVE FLOORING AND ADHESIVE TO CLEAN SUBSTRATE IN HATCH REGION
 - 10 REMOVE CASEWORK
 - 11 REMOVE CMU WALL
 - 12 REMOVE COOLER/FREEZER
 - 13 REMOVE STEEL STAIRS AND LANDING
 - 14 REMOVE ASPHALT PARKING SURFACE - SEE CIVIL DRAWINGS FOR ADDL INFORMATION
 - 15 REMOVE LOCKERS SALVAGE TO OWNER
 - 16 REMOVE BRICK AND CMU EXTERIOR WALL - TOOTH JAMBS
 - 17 REMOVE WATER HEATER - SEE PLUMBING TO CONFIRM LOCATION - VERIFY ON SITE
 - 18 REMOVE CONCRETE FLOOR SLAB
 - 19 REMOVE CEILING
 - 20
 - 21 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECHANICAL AND CIVIL
 - 22 REMOVE EXISTING CONCRETE STOOP
 - 23 REMOVE CAST IN PLACE CONCRETE STAIRS
 - 24 REMOVE RETAINING WALL AS REQUIRED
 - 25 EXTENTS OF CEILING DEMO FOR PIPE RELOCATION
 - 26 REMOVE PRECAST HOLLOW CORE PLANK AND CONCRETE TOPPING FLOOR
 - 27 REMOVE DOOR SLAB
 - 28 REMOVE EXISTING LINTEL AND ADJACENT BLOCKS FOR NEW LINTEL INSTALLATION
 - 29 REMOVE EXISTING HOLLOW METAL DOOR SLABS AND HARDWARE AND SALVAGE TO OWNER
 - 30 REMOVE COLUMN AND BEAM SUPPORT SYSTEM FOR EXISTING FLOOR
 - 31 REMOVE EXISTING RESILIENT OR CARPET FLOORING REFER TO REMODEL PLANS FOR ROOM DIMENSIONS



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 11311
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
204 KIRKWOOD ST EAST
LANESBORO, MN 55949
LOWER LEVEL REMOVAL FLOOR PLAN - SEG A

Project Title: **LANESBORO PUBLIC SCHOOLS ADDITION & REMODEL - REBID**

HSR Project Number: **18063**

Project Date: **9-26-19**

Drawn By: **TBS/SRW**

Key Plan:



KEY PLAN

Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update: **10/10/2019 10:43:33 AM**

A090



Consultant:

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic. No: 11311
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic. No: 58867
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

REMOVAL GENERAL NOTES:

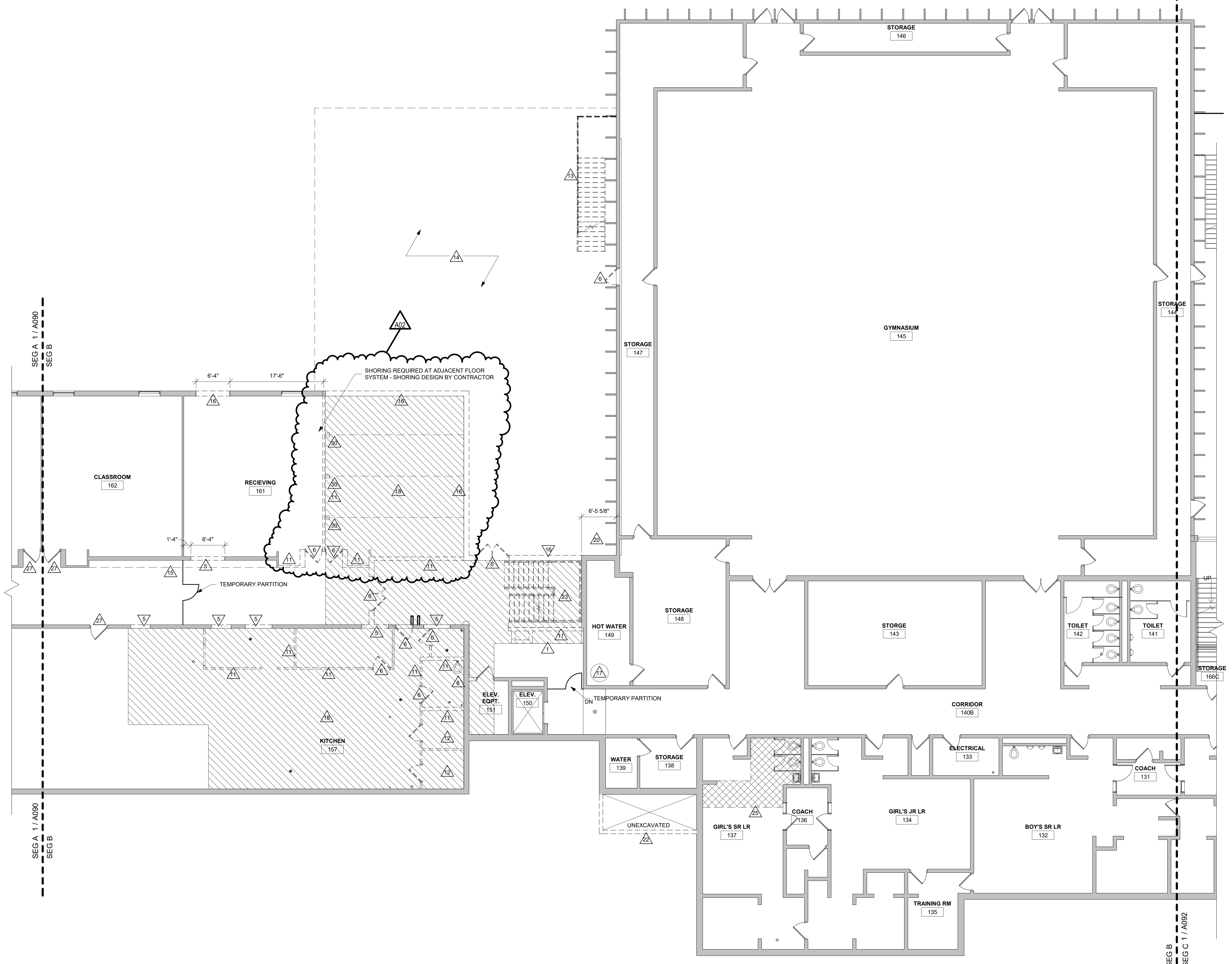
- A ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. TIME AND METHODS SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER AND ARCHITECT. THIS SHALL INCLUDE ALL ELECTRICAL, MECHANICAL OR PLUMBING WITHIN THE REMOVED STRUCTURE. TERMINATE AND CAP MEP AS REQUIRED. DO NOT ABANDON IN PLACE UNUSED CONDUIT, PIPE, ETC. REMOVE COMPLETELY. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
- B PREPARATION FOR NEW FINISHES SHALL INCLUDE BUT NOT LIMITED TO REMOVAL OF EXISTING FINISHES, REMOVAL OF TAPES, GLUES (MASTIC), NAILS, ETC. PATCHING OF HOLES AND CRACKS TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
- C OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
- D DELIVERY ROUTE AND TIMES FOR NEW MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER.
- E CONTRACTORS SHALL BE REQUIRED TO USE EFFECTIVE MEASURES TO AVOID SPREADING/TRACKING DUST AND DEBRIS OUTSIDE THE WORK SPACE.
- F MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING. COORDINATE WITH LOCAL FIRE MARSHAL AS REQUIRED.
- G ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATE PURPOSES ONLY.
- H SEE MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL REMOVAL NOTES AND ITEMS.
- I COORDINATE REMOVAL AND PATCHING WITH MEP DRAWINGS. PATCH TO MATCH EXISTING ADJACENT CONDITIONS.
- J COORDINATE STORAGE LOCATIONS FOR SALVAGED EQUIPMENT, ACCESSORIES, ETC. WITH THE OWNER. SALVAGED ITEMS SHALL BE PLACED AT A COMMON LOCATION INDICATED BY OWNER.
- K CONTRACTOR TO INSTALL AND MAINTAIN A DUST ENCLOSURE FOR REMOVAL AND NEW CONSTRUCTION WORK.
- L PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

REMOVAL PLAN LEGEND:

- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- - - REMOVE ITEMS NOTED WITH DASHED LINES
- - - - - SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE
- /// FLOOR REMOVAL EXTENTS
- /// ROOF REMOVAL EXTENTS

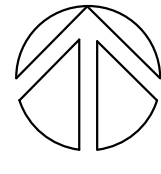
KEY NOTES REMOVAL

- 1 REMOVE TROPHY CASE
- 2 REMOVE OVERHEAD COILING DOOR
- 3 REMOVE WINDOW - INFILL OR ENLARGE OPENINGS AS INDICATED ON NEW PLANS
- 4 REMOVE WINDOW - INFILL OR ENLARGE OPENINGS AS INDICATED ON NEW PLANS
- 5 SAWCUT NEW DOOR IN CMU WALL
- 6 REMOVE HOLLOW METAL DOOR & FRAME
- 7 REMOVE WINDOW AND CMU BELOW FOR NEW DOOR
- 8 REMOVE PLUMBING FIXTURE - SEE PLUMBING
- 9 REMOVE FLOORING AND ADHESIVE TO CLEAN SUBSTRATE IN HATCH REGION
- 10 REMOVE CASEWORK
- 11 REMOVE CMU WALL
- 12 REMOVE COOLER/FREEZER
- 13 REMOVE STEEL STAIRS AND LANDING
- 14 REMOVE ASPHALT PARKING SURFACE - SEE CIVIL DRAWINGS FOR ADDL. INFORMATION
- 15 REMOVE LOCKERS SALVAGE TO OWNER
- 16 REMOVE BRICK AND CMU EXTERIOR WALL - TOOTH JAMBS
- 17 REMOVE WATER HEATER - SEE PLUMBING TO CONFIRM LOCATION - VERIFY ON SITE
- 18 REMOVE CONCRETE FLOOR SLAB
- 19 REMOVE CEILING
- 20
- 21 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECHANICAL AND CIVIL
- 22 REMOVE EXISTING CONCRETE STAIRS
- 23 REMOVE CAST IN PLACE CONCRETE STAIRS
- 24 REMOVE RETAINING WALL AS REQUIRED
- 25 EXTENTS OF CEILING DEMO FOR PIPE RELOCATION
- 26 REMOVE PRECAST HOLLOW CORE PLANK AND CONCRETE TOPPING FLOOR
- 27 REMOVE DOOR SLAB
- 28 REMOVE EXISTING LINTEL AND ADJACENT BLOCKS FOR NEW LINTEL INSTALLATION
- 29 REMOVE EXISTING HOLLOW METAL DOOR SLABS AND HARDWARE AND SALVAGE TO OWNER
- 30 REMOVE COLUMN AND BEAM SUPPORT SYSTEM FOR EXISTING FLOOR
- 31 REMOVE EXISTING RESILIENT OR CARPET FLOORING REFER TO REMODEL PLANS FOR ROOM DIMENSIONS



1 LOWER LEVEL REMOVAL FLOOR PLAN - SEG B

1/8" = 1'-0"



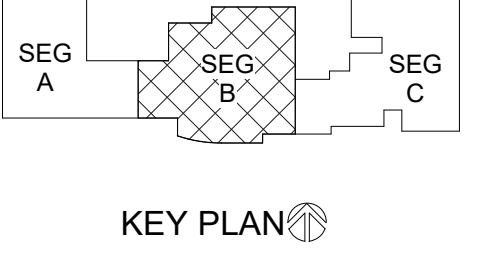
Project Title: LANESBORO PUBLIC SCHOOLS ADDITION & REMODEL - REBID
Project Location: 204 KIRKWOOD ST EAST LANESBORO, MN 55949
Sheet Title: LOWER LEVEL REMOVAL FLOOR PLAN - SEG B

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: TBS/SRW

Key Plan:

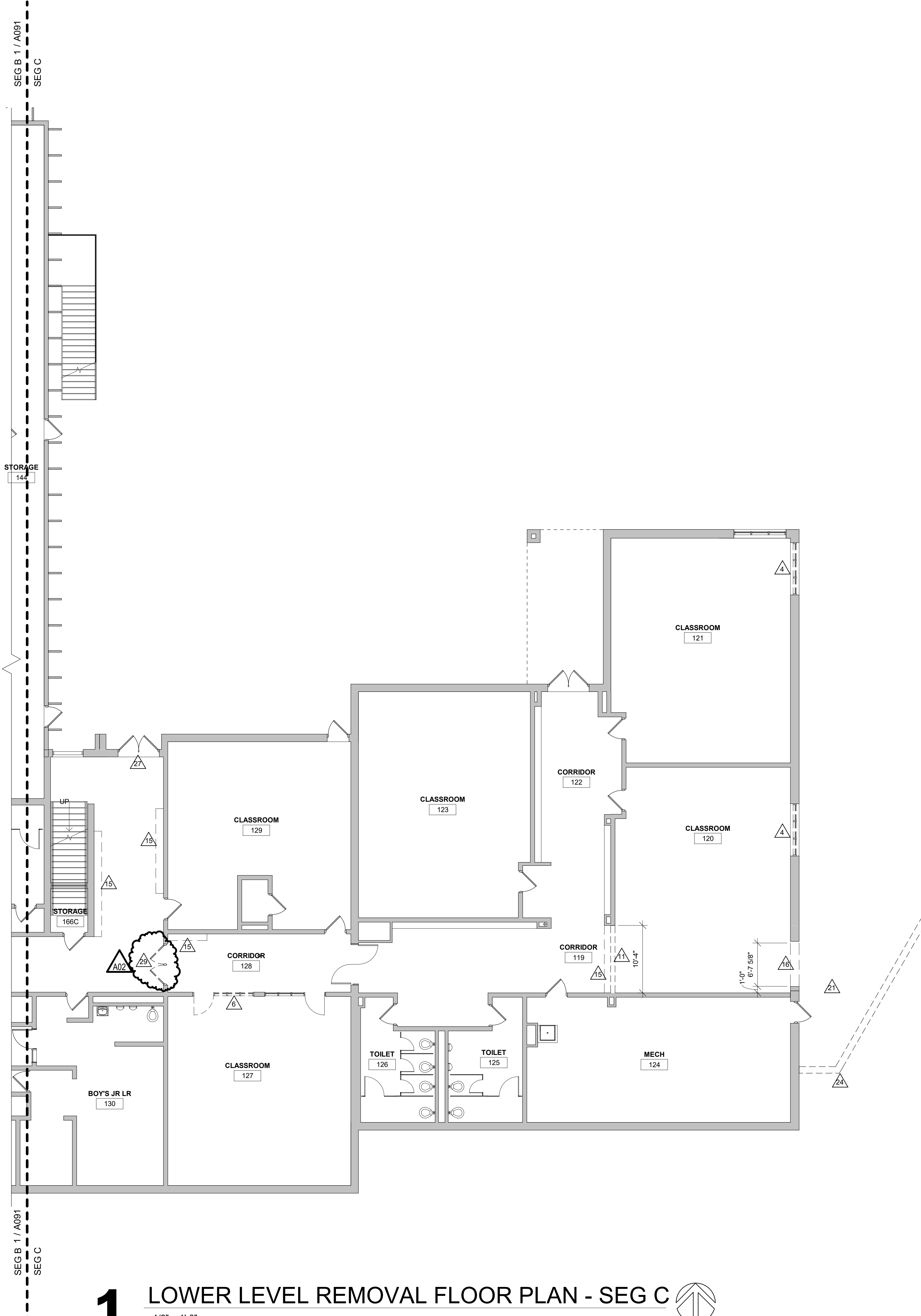


No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 10/10/2019 10:15:31 AM

A091



1 LOWER LEVEL REMOVAL FLOOR PLAN - SEG C

1/8" = 1'-0"

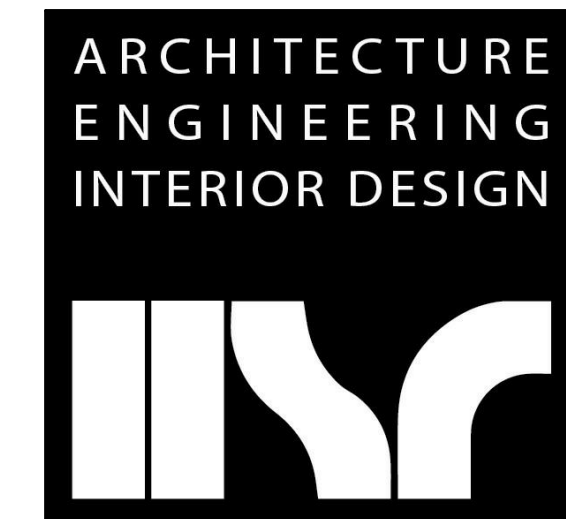


- REMOVAL GENERAL NOTES:**
- A ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. TIME AND METHODS SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER AND ARCHITECT. THIS SHALL INCLUDE ALL ELECTRICAL, MECHANICAL OR PLUMBING WITHIN THE REMOVED STRUCTURE. TERMINATE AND CAP MEP AS REQUIRED. DO NOT ABANDON IN PLACE UNUSED CONDUIT, PIPE, ETC. REMOVE COMPLETELY. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
 - B PREPARATION FOR NEW FINISHES SHALL INCLUDE BUT NOT LIMITED TO REMOVAL OF EXISTING FINISHES, REMOVAL OF TAPES, GLUES (MASTIC), NAILS, ETC. PATCHING OF HOLES AND CRACKS TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
 - C OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
 - D DELIVERY ROUTE AND TIMES FOR NEW MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER.
 - E CONTRACTORS SHALL BE REQUIRED TO USE EFFECTIVE MEASURES TO AVOID SPREADING/TRACKING DUST AND DEBRIS OUTSIDE THE WORK SPACE.
 - F MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING. COORDINATE WITH LOCAL FIRE MARSHAL AS REQUIRED.
 - G ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATE PURPOSES ONLY.
 - H SEE MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL REMOVAL NOTES AND ITEMS.
 - I COORDINATE REMOVAL AND PATCHING WITH MEP DRAWINGS. PATCH TO MATCH EXISTING ADJACENT CONDITIONS.
 - J COORDINATE STORAGE LOCATIONS FOR SALVAGED EQUIPMENT, ACCESSORIES, ETC. WITH THE OWNER. SALVAGED ITEMS SHALL BE PLACED AT A COMMON LOCATION INDICATED BY OWNER.
 - K CONTRACTOR TO INSTALL AND MAINTAIN A DUST ENCLOSURE FOR REMOVAL AND NEW CONSTRUCTION WORK.
 - L PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

- REMOVAL PLAN LEGEND:**
- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - REMOVE ITEMS NOTED WITH DASHED LINES UNLESS NOTED OTHERWISE
 - SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE
 - FLOOR REMOVAL EXTENTS
 - ROOF REMOVAL EXTENTS

KEY NOTES REMOVAL

1	REMOVE TROPHY CASE
3	REMOVE OVERHEAD COILING DOOR
4	REMOVE WINDOW - INFILL OR ENLARGE OPENINGS AS INDICATED ON NEW PLANS
5	SAWOUT NEW DOOR IN CMU WALL
6	REMOVE HOLLOW METAL DOOR & FRAME
7	REMOVE WINDOW AND CMU BELOW FOR NEW DOOR
8	REMOVE PLUMBING FIXTURE - SEE PLUMBING
9	REMOVE FLOORING AND ADHESIVE TO CLEAN SUBSTRATE IN HATCH REGION
10	REMOVE CASEWORK
11	REMOVE CMU WALL
12	REMOVE COOLER/FREEZER
13	REMOVE STEEL STAIRS AND LANDING
14	REMOVE ASPHALT PARKING SURFACE - SEE CIVIL DRAWINGS FOR ADDL INFORMATION
15	REMOVE LOCKERS SALVAGE TO OWNER
16	REMOVE BRICK AND CMU EXTERIOR WALL - TOOTH JAMBS
17	REMOVE WATER HEATER - SEE PLUMBING TO CONFIRM LOCATION - VERIFY ON SITE
18	REMOVE CONCRETE FLOOR SLAB
19	REMOVE CEILING
20	
21	REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECHANICAL AND CIVIL
22	REMOVE EXISTING CONCRETE STOOP
23	REMOVE CAST IN PLACE CONCRETE STAIRS
24	REMOVE RETAINING WALL AS REQUIRED
25	EXTENTS OF CEILING DEMO FOR PIPE RELOCATION
26	REMOVE PRECAST HOLLOW CORE PLANK AND CONCRETE TOPPING FLOOR
27	REMOVE DOOR SLAB
28	REMOVE EXISTING LINTEL AND ADJACENT BLOCKS FOR NEW LINTEL INSTALLATION
29	REMOVE EXISTING HOLLOW METAL DOOR SLABS AND HARDWARE AND SALVAGE TO OWNER
30	REMOVE COLUMN AND BEAM SUPPORT SYSTEM FOR EXISTING FLOOR
31	REMOVE EXISTING RESILIENT OR CARPET FLOORING REFER TO REMODEL PLANS FOR ROOM DIMENSIONS



HSR ASSOCIATES INC.
 100 MILWAUKEE STREET
 LA CROSSE, WISCONSIN
 PHONE: 608.784.1830
 FAX: 608.782.5844
 www.hsrassociates.com

Consultant:

ENGINEER CERTIFICATION
 I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
 Jim Tompke
 Date: July 9, 2019 Lic No: 11311
 This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
 I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
 Quill Or
 Date: July 9, 2019 Lic No: 58867
 This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
 Project Location: 204 KIRKWOOD ST EAST LANESBORO, MN 55949
 Project Title: LOWER LEVEL REMOVAL FLOOR PLAN - SEG C

HSR Project Number: 18063
 Project Date: 9-26-19
 Drawn By: TBS/SRW
 Key Plan:

Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:

Last Update: 10/10/2019 10:15:31 AM

A092

Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 11311
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

REMOVAL GENERAL NOTES:

- A ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. TIME AND METHODS SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER AND ARCHITECT. THIS SHALL INCLUDE ALL ELECTRICAL, MECHANICAL OR PLUMBING WITHIN THE REMOVED STRUCTURE. TERMINATE AND CAP MEP AS REQUIRED. DO NOT ABANDON IN PLACE UNUSED CONDUIT, PIPE, ETC. REMOVE COMPLETELY. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
- B PREPARATION FOR NEW FINISHES SHALL INCLUDE BUT NOT LIMITED TO REMOVAL OF EXISTING FINISHES, REMOVAL OF TAPES, GULFS (MASTIC), NAILS, ETC. PATCHING OF HOLES AND CRACKS TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
- C OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
- D DELIVERY ROUTE AND TIMES FOR NEW MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER.
- E CONTRACTORS SHALL BE REQUIRED TO USE EFFECTIVE MEASURES TO AVOID SPREADING/TRACKING DUST AND DEBRIS OUTSIDE THE WORK SPACE.
- F MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING. COORDINATE WITH LOCAL FIRE MARSHAL AS REQUIRED.
- G ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATE PURPOSES ONLY.
- H SEE MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL REMOVAL NOTES AND ITEMS.
- I COORDINATE REMOVAL AND PATCHING WITH MEP DRAWINGS. PATCH TO MATCH EXISTING ADJACENT CONDITIONS.
- J COORDINATE STORAGE LOCATIONS FOR SALVAGED EQUIPMENT, ACCESSORIES, ETC. WITH THE OWNER. SALVAGED ITEMS SHALL BE PLACED AT A COMMON LOCATION INDICATED BY OWNER.
- K CONTRACTOR TO INSTALL AND MAINTAIN A DUST ENCLOSURE FOR REMOVAL AND NEW CONSTRUCTION WORK.
- L PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

REMOVAL PLAN LEGEND:

- △ SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- - - REMOVE ITEMS NOTED WITH DASHED LINES
- SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE
- ▨ FLOOR REMOVAL EXTENTS
- ▩ ROOF REMOVAL EXTENTS

KEY NOTES REMOVAL

- 1 REMOVE TROPHY CASE
- 2 REMOVE OVERHEAD COILING DOOR
- 4 REMOVE WINDOW - INFILL OR ENLARGE OPENINGS AS INDICATED ON NEW PLANS
- 5 SAWCUT NEW DOOR IN CMU WALL
- 6 REMOVE HOLLOW METAL DOOR & FRAME
- 7 REMOVE WINDOW AND CMU BELOW FOR NEW DOOR
- 8 REMOVE PLUMBING FIXTURE - SEE PLUMBING
- 9 REMOVE FLOORING AND ADHESIVE TO CLEAN SUBSTRATE IN HATCH REGION
- 10 REMOVE CASEWORK
- 11 REMOVE CMU WALL
- 12 REMOVE COOLER/FREEZER
- 13 REMOVE STEEL STAIRS AND LANDING
- 14 REMOVE ASPHALT PARKING SURFACE - SEE CIVIL DRAWINGS FOR ADDL INFORMATION
- 15 REMOVE LOCKERS SALVAGE TO OWNER
- 16 REMOVE BRICK AND CMU EXTERIOR WALL - TOOTH JAMBS
- 17 REMOVE WATER HEATER - SEE PLUMBING TO CONFIRM LOCATION - VERIFY ON SITE
- 18 REMOVE CONCRETE FLOOR SLAB
- 19 REMOVE CEILING
- 20
- 21 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECHANICAL AND CIVIL
- 22 REMOVE EXISTING CONCRETE STOOP
- 23 REMOVE CAST IN PLACE CONCRETE STAIRS
- 24 REMOVE RETAINING WALL AS REQUIRED
- 25 EXTENTS OF CEILING DEMO FOR PIPE RELOCATION
- 26 REMOVE PRECAST HOLLOW CORE PLANK AND CONCRETE TOPPING FLOOR
- 27 REMOVE DOOR SLAB
- 28 REMOVE EXISTING LINTEL AND ADJACENT BLOCKS FOR NEW LINTEL INSTALLATION
- 29 REMOVE EXISTING HOLLOW METAL DOOR SLABS AND HARDWARE AND SALVAGE TO OWNER
- 30 REMOVE COLUMN AND BEAM SUPPORT SYSTEM FOR EXISTING FLOOR
- 31 REMOVE EXISTING RESILIENT OR CARPET FLOORING REFER TO REMODEL PLANS FOR ROOM DIMENSIONS



1 UPPER LEVEL REMOVAL FLOOR PLAN - SEG A
1/8" = 1'-0"

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
204 KIRKWOOD ST EAST
LANESBORO, MN 55949
UPPER LEVEL REMOVAL FLOOR PLAN - SEG A

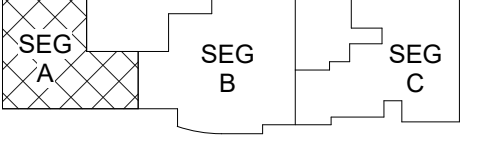
Project Title: 18063
Project Location: 204 KIRKWOOD ST EAST LANESBORO, MN 55949
Sheet Title: UPPER LEVEL REMOVAL FLOOR PLAN - SEG A

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: TBS/SRW

Key Plan:



KEY PLAN

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 10/10/2019 10:44:54 AM

A093



Consultant:

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Jim Tompke
Date: July 9, 2019 Lic. No.: 11311
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Christi A.
Date: July 9, 2019 Lic. No.: 58867
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

REMOVAL GENERAL NOTES:

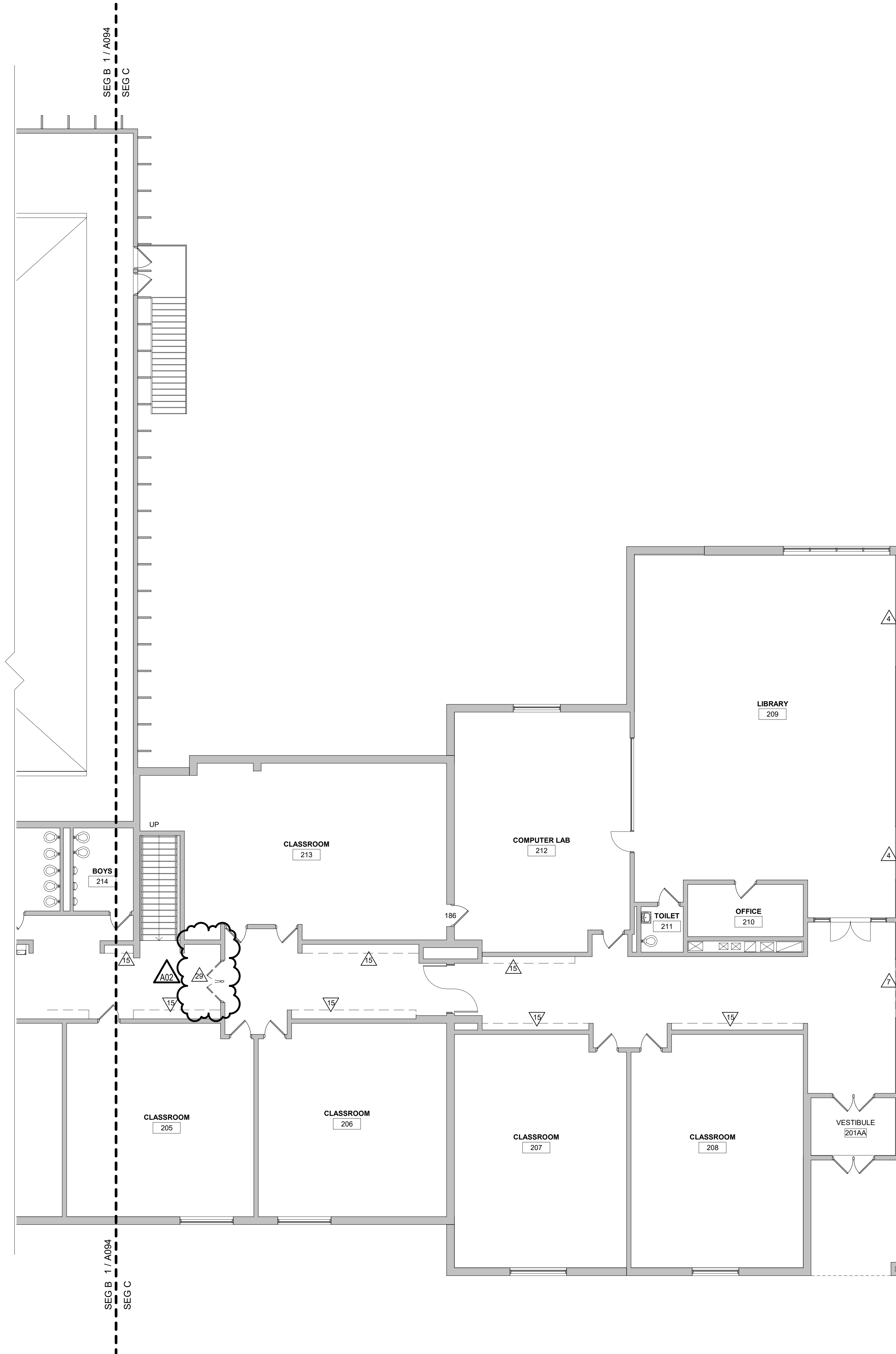
- A ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. TIME AND METHODS SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER AND ARCHITECT. THIS SHALL INCLUDE ALL ELECTRICAL, MECHANICAL OR PLUMBING WITHIN THE REMOVED STRUCTURE. TERMINATE AND CAP MEP AS REQUIRED. DO NOT ABANDON IN PLACE UNUSED CONDUIT, PIPE, ETC. REMOVE COMPLETELY. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
- B PREPARATION FOR NEW FINISHES SHALL INCLUDE BUT NOT LIMITED TO REMOVAL OF EXISTING FINISHES, REMOVAL OF TAPES, GLUES (MASTIC), NAILS, ETC. PATCHING OF HOLES AND CRACKS TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
- C OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
- D DELIVERY ROUTE AND TIMES FOR NEW MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER.
- E CONTRACTORS SHALL BE REQUIRED TO USE EFFECTIVE MEASURES TO AVOID SPREADING/TRACKING DUST AND DEBRIS OUTSIDE THE WORK SPACE.
- F MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING. COORDINATE WITH LOCAL FIRE MARSHAL AS REQUIRED.
- G ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATE PURPOSES ONLY.
- H SEE MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL REMOVAL NOTES AND ITEMS.
- I COORDINATE REMOVAL AND PATCHING WITH MEP DRAWINGS. PATCH TO MATCH EXISTING ADJACENT CONDITIONS.
- J COORDINATE STORAGE LOCATIONS FOR SALVAGED EQUIPMENT, ACCESSORIES, ETC. WITH THE OWNER. SALVAGED ITEMS SHALL BE PLACED AT A COMMON LOCATION INDICATED BY OWNER.
- K CONTRACTOR TO INSTALL AND MAINTAIN A DUST ENCLOSURE FOR REMOVAL AND NEW CONSTRUCTION WORK.
- L PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

REMOVAL PLAN LEGEND:

- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- REMOVE ITEMS NOTED WITH DASHED LINES
- SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE
- FLOOR REMOVAL EXTENTS
- ROOF REMOVAL EXTENTS

KEY NOTES REMOVAL

- 1 REMOVE TROPHY CASE
- 3 REMOVE OVERHEAD COILING DOOR
- 4 REMOVE WINDOW - INFILL OR ENLARGE OPENINGS AS INDICATED ON NEW PLANS
- 5 SAWCUT NEW DOOR IN CMU WALL
- 6 REMOVE HOLLOW METAL DOOR & FRAME
- 7 REMOVE WINDOW AND CMU BELOW FOR NEW DOOR
- 8 REMOVE PLUMBING FIXTURE - SEE PLUMBING
- 9 REMOVE FLOORING AND ADHESIVE TO CLEAN SUBSTRATE IN HATCH REGION
- 10 REMOVE CASEWORK
- 11 REMOVE CMU WALL
- 12 REMOVE COOLER/FREEZER
- 13 REMOVE STEEL STAIRS AND LANDING
- 14 REMOVE ASPHALT PARKING SURFACE - SEE CIVIL DRAWINGS FOR ADDL INFORMATION
- 15 REMOVE LOCKERS SALVAGE TO OWNER
- 16 REMOVE BRICK AND CMU EXTERIOR WALL - TOOTH JAMBS
- 17 REMOVE WATER HEATER - SEE PLUMBING TO CONFIRM LOCATION - VERIFY ON SITE
- 18 REMOVE CONCRETE FLOOR SLAB
- 19 REMOVE CEILING
- 20
- 21 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECHANICAL AND CIVIL
- 22 REMOVE EXISTING CONCRETE STOOP
- 23 REMOVE CAST IN PLACE CONCRETE STAIRS
- 24 REMOVE RETAINING WALL AS REQUIRED
- 25 EXTENTS OF CEILING DEMO FOR PIPE RELOCATION
- 26 REMOVE PRECAST HOLLOW CORE PLANK AND CONCRETE TOPPING FLOOR
- 27 REMOVE DOOR SLAB
- 28 REMOVE EXISTING LINTEL AND ADJACENT BLOCKS FOR NEW LINTEL INSTALLATION
- 29 REMOVE EXISTING HOLLOW METAL DOOR SLABS AND HARDWARE AND SALVAGE TO OWNER
- 30 REMOVE COLUMN AND BEAM SUPPORT SYSTEM FOR EXISTING FLOOR
- 31 REMOVE EXISTING RESILIENT OR CARPET FLOORING REFER TO REMODEL PLANS FOR ROOM DIMENSIONS



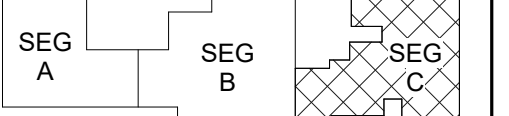
LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: UPPER LEVEL REMOVAL FLOOR PLAN - SEG C

Project Title:
HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: TBS/SRW

Key Plan:



KEY PLAN

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 10/10/2019 10:15:34 AM

1 UPPER LEVEL REMOVAL FLOOR PLAN - SEG C
1/8" = 1'-0"

A095



Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 56867

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 56867

Project Title: Lanesboro Public Schools Addition & Remodel - Rebid
Project Location: 204 Kirkwood St East Lanesboro, MN 55949
Project Number: 18063
Project Date: 9-26-19
Drawn By: TBS/SRW

Key Plan:
SEG A
SEG B
SEG C

Revisions:
No. Description Date
A02 ADDENDUM #02 10-9-19

Graphic Scale:
0' 2' 4' 8' 12'

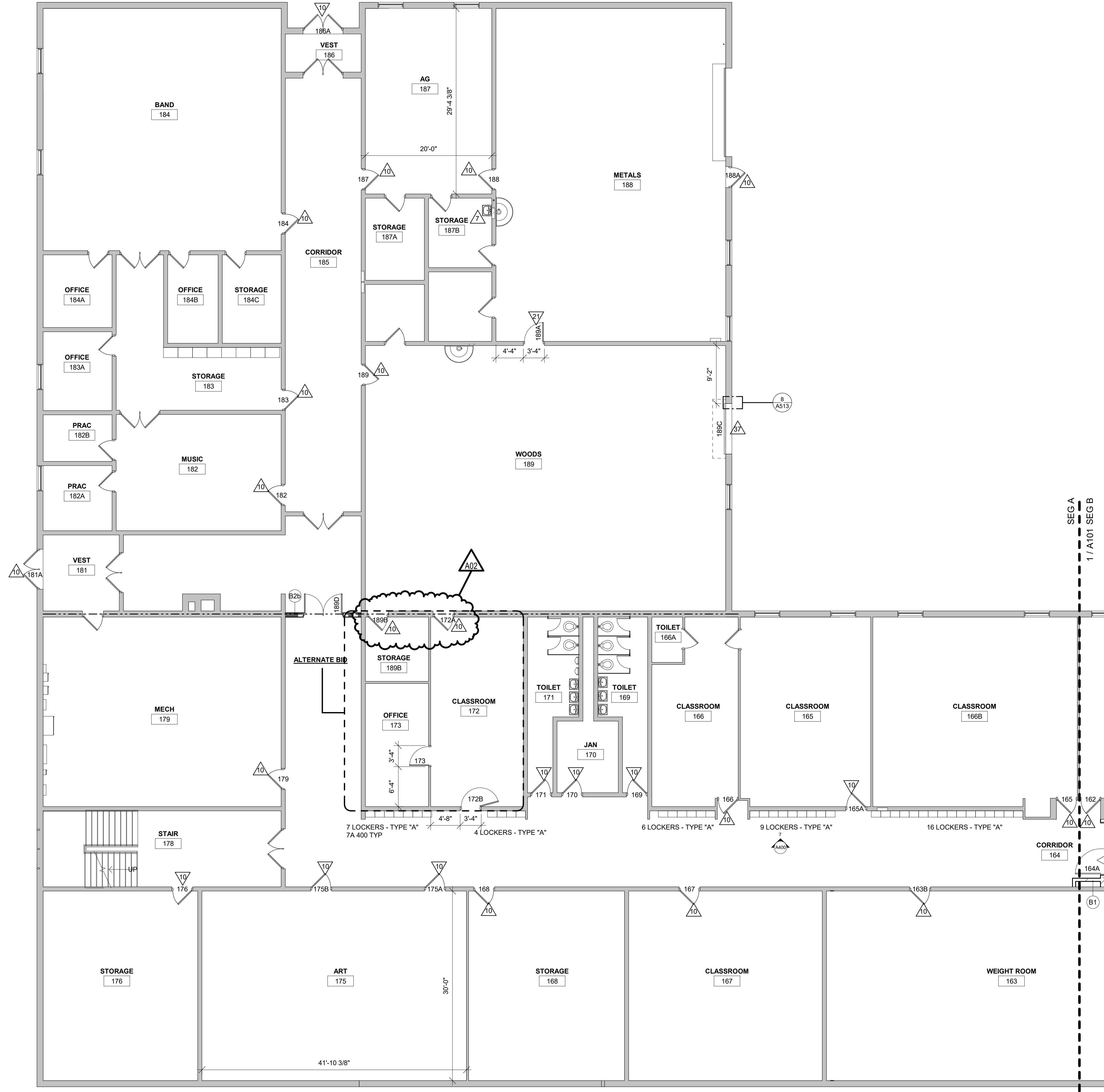
Last Update:
10/10/2019 10:15:36 AM

A100

- GENERAL NOTES:**
- A SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
 - B LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
 - C VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
 - D PAINT ALL EXPOSED STEEL LINTELS.
 - E SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
 - F SEE A510 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS
 - G REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
 - H EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A600 FOR TOP OF WALL DETAILS.
 - I UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" - 12" TO FLOOR DRAINS - TO "CENTER". IF NO FLOOR DRAINS.
 - J FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A130-A133 FOR ALL EQUIPMENT NOTES.
 - K SEE A600 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
 - L GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/CURBS AS REQUIRED FOR MECHANICAL EQUIP. - VERIFY SIZE/PROF/LOCATION WITH MECHANICAL.
 - M ALL DOORS TO BE LOCATED 4" FROM WALL AT HINGE UNLESS NOTED OTHERWISE.

- LEGEND:**
- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.
 - (A) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A601 FOR WINDOW FRAME ELEVATIONS.
 - (A) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - 1 HOUR WALL
 - 2 HOUR WALL
 - 3 HOUR WALL

- KEY NOTES PLAN**
- 1 PATCH AND PREP FLOOR AS REQUIRED FOR NEW FLOOR FINISH - SEE ID SHEETS
 - 2 CONCRETE STOOP - SEE STRUCTURAL
 - 3 3/4" HIGH WALL WITH SOLID SURFACE CAP
 - 4 SEE ROOM 108 FOR CASEWORK ELEVATION TAG
 - 5 BUILDING OUTLINE ABOVE
 - 6 MOP BASIN - SEE PLUMBING
 - 7 NEW PLUMBING FIXTURE - SEE PLUMBING
 - 8 PATCH WALL TO MATCH ADJACENT FINISH
 - 9 INDOOR PLAY AREA EQUIPMENT AND PADDED FLOORING BY OTHERS
 - 10 REPLACE DOOR SLAB AND HARDWARE
 - 11 LADDER TO BE INSTALLED FOR EGRESS
 - 12 VENDING MACHINES (N.I.C.)
 - 13 DRINKING FOUNTAIN HIGH - LOW - SEE PLUMBING
 - 14 ROOF TOP MECHANICAL EQUIPMENT - SEE MECH
 - 15 SOLID SURFACE SILL
 - 16 42" GUARDRAIL
 - 17 MECHANICAL PIPING TO ROOF - SEE MECH
 - 18 GALVANIZED GRATE OVER AREA WELL
 - 19 MECHANICAL AREA WELL - SEE STRUCTURAL
 - 20 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECH AND CIVIL
 - 21 NEW HOLLOW METAL DOOR AND FRAME - SEE DOOR SCHEDULE
 - 22 EXISTING CONCESSION OPENING AND CIVIL DOOR
 - 23 SHIPS LADDER TO BE INSTALLED FOR ROOF ACCESS
 - 24 ANODIZED HSS TO MATCH MULLION COLOR - SEE STRUCT FOR DETAIL
 - 25 WOOD TOP BENCH WITH WALL MOUNTED BRACKETS 8" O.C. MAX
 - 26 NEW CONCRETE SLAB AS REQUIRED TO INSTALL NEW FOOTINGS - SEE STRUCTURAL
 - 27 REPLACE DOOR HARDWARE - SEE DOOR SCHEDULE
 - 28 INFILL OPENING WITH CHAIR BLOCKING
 - 29 PARTIAL HEIGHT WALLS (6'-0" WALLS)
 - 30 METAL MESH RAILING
 - 31 EXTENTS OF PRECAST PLANT AND CONCRETE TOPPING
 - 32 RAIN LEADER - SEE PLUMBING
 - 33 MEZZINE FLOOR TO GET TRAFFIC COATING
 - 34 4" CONCRETE PAD - SEE MECH/PLUMB FOR EQUIP SIZE
 - 35 BULLNOSE CORNERS
 - 36 FILL OPENING, STIKE MORTAR JOINTS FLUSH AND PARGE BLOCK SURFACE SMOOTH FOR INTERIOR AND EXTERIOR
 - 37 NEW COILING DOOR - SEE DOOR SCHEDULE
 - 38 WATER METER - SEE PLUMBING
 - 39 EYE WASH - SEE PLUMBING
 - 40 ALTERNATE BID WINDOW ADJUST BCJ LOCATIONS AS NECESSARY
 - 41 REMOVE EXISTING COUNTERTOP AND INSTALL NEW P-LAM COUNTERTOPS AND SINKS WHERE LOCATED ON PLAN



1 LOWER LEVEL REMODELED FLOOR PLAN - SEG A
1/8" = 1'-0"

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
204 KIRKWOOD ST EAST
LANESBORO, MN 55949
LOWER LEVEL REMODELED FLOOR PLAN - SEG A



Consultant:

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 55867

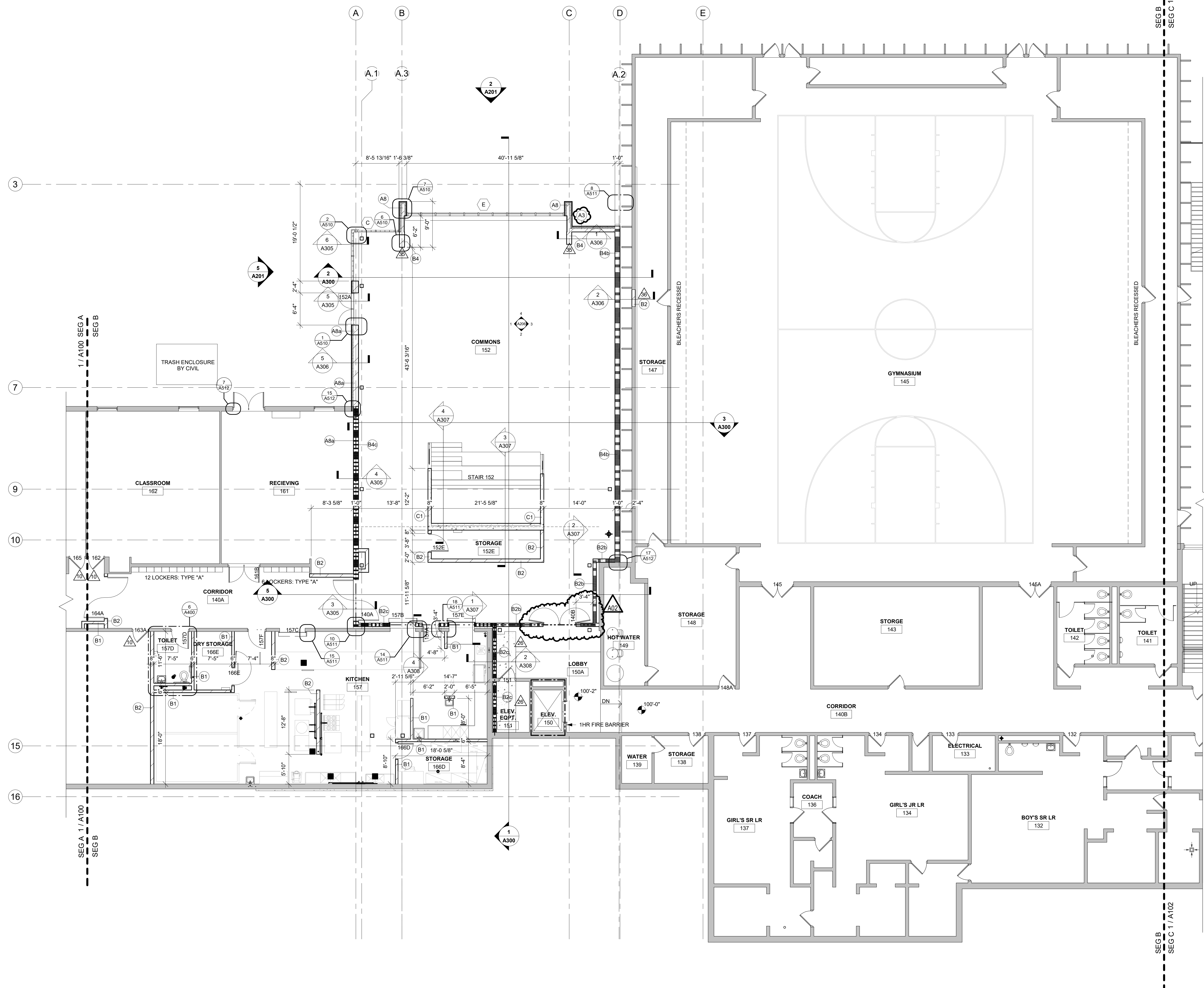
ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 55867

- GENERAL NOTES:**
- A SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
 - B LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
 - C VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
 - D PAINT ALL EXPOSED STEEL LINTELS.
 - E SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
 - F SEE A510 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS
 - G REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
 - H EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A500 FOR TOP OF WALL DETAILS.
 - I UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/8" - 12" TO FLOOR DRAINS - TO CENTERS. IF NO FLOOR DRAINS.
 - J FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A130-A133 FOR ALL EQUIPMENT NOTES.
 - K SEE A500 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
 - L GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/SCURBS AS REQUIRED FOR MECHANICAL/ELEC. EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECHANICAL/ELECTRICAL.
 - M ALL DOORS TO BE LOCATED 4" FROM WALL AT HINGE UNLESS NOTED OTHERWISE

- LEGEND:**
- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.
 - (A) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A601 FOR WINDOW FRAME ELEVATIONS.
 - (A) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - 1 HOUR WALL
 - 2 HOUR WALL
 - 3 HOUR WALL

- KEY NOTES PLAN**
- 1 PATCH AND PREP FLOOR AS REQUIRED FOR NEW FLOOR FINISH - SEE ID SHEETS
 - 2 CONCRETE STOOP - SEE STRUCTURAL
 - 3 3'-6" HIGH WALL WITH SOLID SURFACE CAP
 - 4 SEE ROOM 108 FOR CASEWORK ELEVATION TAG
 - 5 BUILDING OUTLINE ABOVE
 - 6 MOP BASIN - SEE PLUMBING
 - 7 NEW PLUMBING FIXTURE - SEE PLUMBING
 - 8 PATCH WALL TO MATCH ADJACENT FINISH
 - 9 INDOOR PLAY AREA EQUIPMENT AND PADDED FLOORING BY OTHERS
 - 10 REPLACE DOOR SLAB AND HARDWARE
 - 11 LADDER TO BE INSTALLED FOR EGRESS
 - 12 VENDING MACHINES (N.I.C.)
 - 13 DRINKING FOUNTAIN HIGH - LOW - SEE PLUMBING
 - 14 ROOFTOP MECHANICAL EQUIPMENT - SEE MECH
 - 15 SOLID SURFACE SILL
 - 16 42" GUARDRAIL
 - 17 MECHANICAL PIPING TO ROOF - SEE MECH
 - 18 GALVANIZED GRATE OVER AREA WELL
 - 19 MECHANICAL AREA WELL - SEE STRUCTURAL
 - 20 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECH AND CIVIL
 - 21 NEW HOLLOW METAL DOOR AND FRAME - SEE DOOR SCHEDULE
 - 22 EXISTING CONCESSION OPENING AND O.H. DOOR
 - 23 SHIPS LADDER TO BE INSTALLED FOR ROOF ACCESS
 - 24 ANODIZED HSS TO MATCH MULLION COLOR - SEE STRUCT FOR DETAIL
 - 25 WOOD TOP BENCH WITH WALL MOUNTED BRACKETS 5' O.C. MAX
 - 26 NEW CONCRETE SLAB AS REQUIRED TO INSTALL NEW FOOTINGS - SEE STRUCTURAL
 - 27 REPLACE DOOR HARDWARE - SEE DOOR SCHEDULE
 - 28 INFILL OPENING WITH CMU BLOCKING
 - 29 PARTIAL HEIGHT WALLS (8'-0" WALLS)
 - 30 METAL MESH RAILING
 - 31 EXTENTS OF PRECAST PLANT AND CONCRETE TOPPING
 - 32 RAIN LEADER - SEE PLUMBING
 - 33 MEZZANINE FLOOR TO GET TRAFFIC COATING
 - 34 4" CONCRETE PAD - SEE MECH/PLUMB. FOR EQUIP. SIZE
 - 35 BULLNOSE CORNERS
 - 36 FILL OPENING, STIKE MORTAR JOINTS FLUSH AND PARGE BLOCK SURFACE SMOOTH FOR INTERIOR AND EXTERIOR
 - 37 NEW COILING DOOR - SEE DOOR SCHEDULE
 - 38 WATER METER - SEE PLUMBING
 - 39 EYE WASH - SEE PLUMBING
 - 40 ALTERNATE BID WINDOW ADJUST BCJ LOCATIONS AS NECESSARY
 - 41 REMOVE EXISTING COUNTERTOP AND INSTALL NEW PLAM COUNTERTOPS AND SINKS WHERE LOCATED ON PLAN



1 LOWER LEVEL REMODELED FLOOR PLAN - SEG B
1/8" = 1'-0"

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
 Project Title: 204 KIRKWOOD ST EAST
 Location: LANESBORO, MN 55949
 Sheet Title: LOWER LEVEL REMODELED FLOOR PLAN - SEG B

HSR Project Number:	18063
Project Date:	9-26-19
Drawn By:	TBS/SRW
Key Plan:	

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 10/10/2019 10:15:39 AM

A101



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

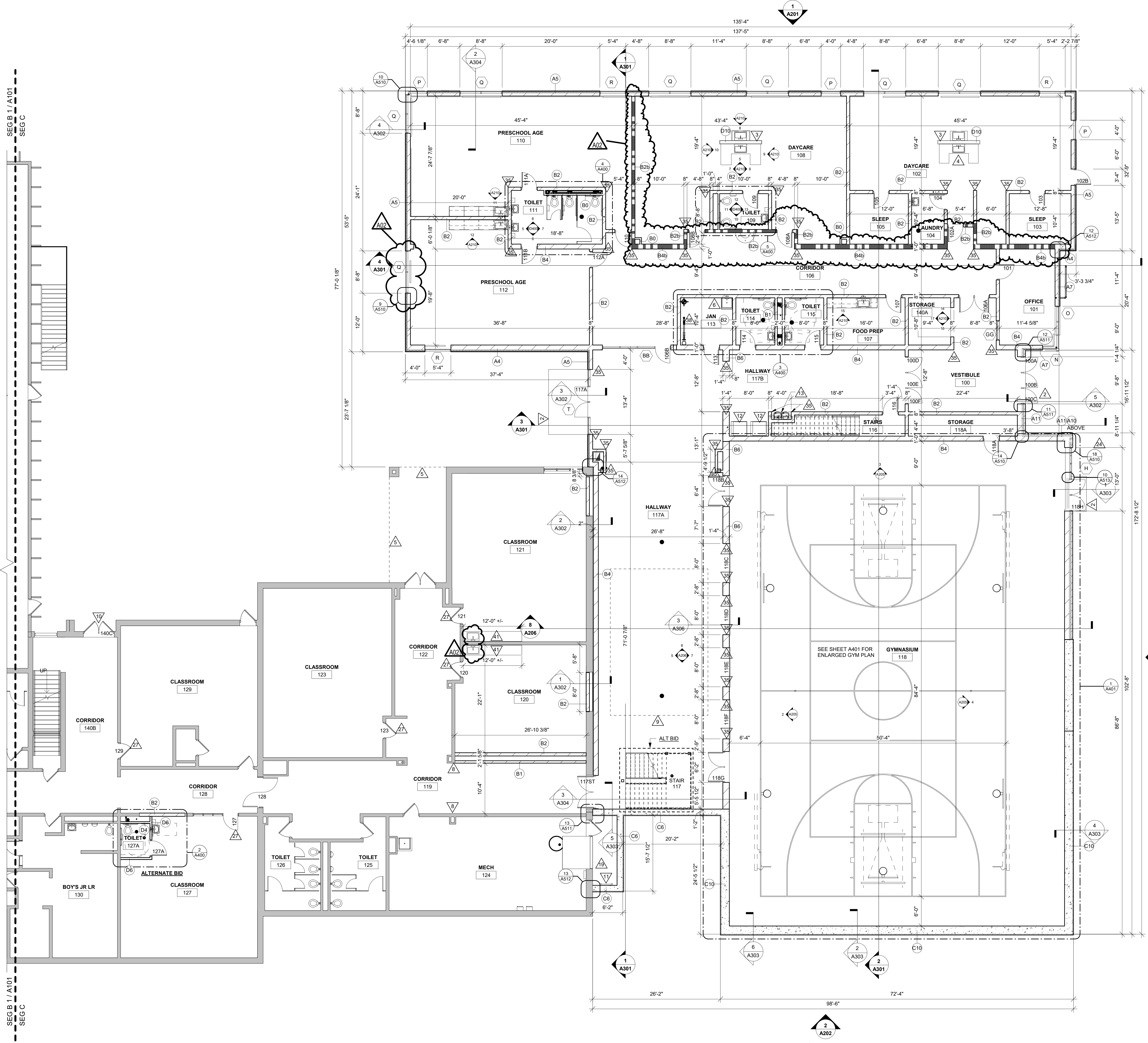
ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867

- GENERAL NOTES:**
- A. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
 - B. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
 - C. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
 - D. PAINT ALL EXPOSED STEEL LINTELS.
 - E. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
 - F. SEE A510 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS
 - G. REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
 - H. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A500 FOR TOP OF WALL DETAILS.
 - I. UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" / 12" TO FLOOR DRAINS. TO "CENTER" IF NO FLOOR DRAINS.
 - J. FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A130-A133 FOR ALL EQUIPMENT NOTES.
 - K. SEE A500 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
 - L. GENERAL CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/CURBS AS REQUIRED FOR MECHANICAL/ELECTRICAL EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECHANICAL/ELECTRICAL.
 - M. ALL DOORS TO BE LOCATED 4" FROM WALL AT HINGE UNLESS NOTED OTHERWISE.

- LEGEND:**
- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A400 FOR WALL TYPE DETAILS.
 - (B) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A601 FOR WINDOW FRAME ELEVATIONS.
 - (C) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- 1 HOUR WALL
 - 2 HOUR WALL
 - 3 HOUR WALL

- KEY NOTES PLAN**
- 1 PATCH AND PREP FLOOR AS REQUIRED FOR NEW FLOOR FINISH - SEE ID SHEETS
 - 2 CONCRETE STOOP - SEE STRUCTURAL
 - 3 3" HIGH WALL WITH SOLID SURFACE CAP
 - 4 SEE ROOM 108 FOR CASEWORK ELEVATION TAG
 - 5 BUILDING OUTLINE ABOVE
 - 6 MOP BASIN - SEE PLUMBING
 - 7 NEW PLUMBING FIXTURE - SEE PLUMBING
 - 8 PATCH WALL TO MATCH ADJACENT FINISH
 - 9 INDOOR PLAY AREA EQUIPMENT AND PADDED FLOORING BY OTHERS
 - 10 REPLACE DOOR SLAB AND HARDWARE
 - 11 LADDER TO BE INSTALLED FOR EGRESS
 - 12 VENDING MACHINES (N.I.C.)
 - 13 DRINKING FOUNTAIN HIGH - LOW - SEE PLUMBING
 - 14 ROOFTOP MECHANICAL EQUIPMENT - SEE MECH
 - 15 SOLID SURFACE SILL
 - 16 4" GUARDRAIL
 - 17 MECHANICAL PIPING TO ROOF - SEE MECH
 - 18 GALVANIZED GRATE OVER AREA WELL
 - 19 MECHANICAL AREA WELL - SEE STRUCTURAL
 - 20 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECH AND CIVIL
 - 21 NEW HOLLOW METAL DOOR AND FRAME - SEE DOOR SCHEDULE
 - 22 EXISTING CONCESSION OPENING AND O.H. DOOR
 - 23 SHIPS LADDER TO BE INSTALLED FOR ROOF ACCESS
 - 24 ANODIZED HSS TO MATCH MILLION COLOR - SEE STRUCT FOR DETAIL
 - 25 WOOD TOP BENCH WITH WALL MOUNTED BRACKETS 9" O.C. MAX
 - 26 NEW CONCRETE SLAB AS REQUIRED TO INSTALL NEW FOOTINGS - SEE STRUCTURAL
 - 27 REPLACE DOOR HARDWARE - SEE DOOR SCHEDULE
 - 28 INFILL OPENING WITH CMU BLOCKING
 - 29 PARTIAL HEIGHT WALLS (6'-0" WALLS)
 - 30 METAL MESH RAILING
 - 31 EXTENTS OF PRECAST PLANT AND CONCRETE TOPPING
 - 32 RAIN LEADER - SEE PLUMBING
 - 33 MEZZANINE FLOOR TO GET TRAFFIC COATING
 - 34 4" CONCRETE PAD - SEE MECH/PLUMB FOR EQUIP. SIZE
 - 35 BULLNOSE CORNERS
 - 36 FILL OPENING, STIKE MORTAR JOINTS FLUSH AND PARGE BLOCK SURFACE SMOOTH FOR INTERIOR AND EXTERIOR
 - 37 NEW COILING DOOR - SEE DOOR SCHEDULE
 - 38 WATER METER - SEE PLUMBING
 - 39 EYE WASH - SEE PLUMBING
 - 40 ALTERNATE BID WINDOW ADJUST BCI LOCATIONS AS NECESSARY
 - 41 REMOVE EXISTING COUNTERTOP AND INSTALL NEW PLAM COUNTERTOPS AND SINKS WHERE LOCATED ON PLAN



1 LOWER LEVEL REMODELED FLOOR PLAN- SEG C
1/8" = 1'-0"

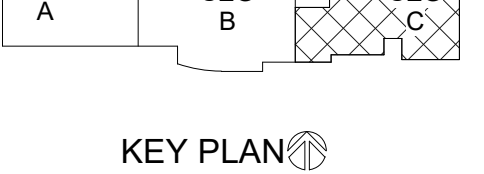
LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Title: 204 KIRKWOOD ST EAST
Location: LANESBORO, MN 55949

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: TBS/SRW

Key Plan:



No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0 2' 4' 8' 12'

Last Update: 10/10/2019 10:15:44 AM

A102

LOWER LEVEL REMODELED FLOOR PLAN - SEG C



Consultant:

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 11311
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

GENERAL NOTES:

- SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
- LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
- VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENINGS SHALL BE SEALED AFTER UTILITY INSTALLATION.
- PAINT ALL EXPOSED STEEL LINTELS.
- SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
- SEE AS10 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS
- REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
- EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A500 FOR TOP OF WALL DETAILS.
- UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" - 1/2" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.
- FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A130-A133 FOR ALL EQUIPMENT NOTES.
- SEE A500 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING (SOMETIMES DETAILS).
- GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/CURBS AS REQUIRED FOR MECHANICAL EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECHANICAL.
- ALL DOORS TO BE LOCATED 4" FROM WALL AT HINGE UNLESS NOTED OTHERWISE.

LEGEND:

SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.

SYMBOL INDICATES WINDOW TYPE - SEE SHEET A601 FOR WINDOW FRAME ELEVATIONS.

SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET

1 HOUR WALL

2 HOUR WALL

3 HOUR WALL

KEY NOTES PLAN

- PATCH AND PREP FLOOR AS REQUIRED FOR NEW FLOOR FINISH - SEE ID SHEETS
- CONCRETE STOOP - SEE STRUCTURAL
- 3'-6" HIGH WALL WITH SOLID SURFACE CAP
- SEE ROOM 108 FOR CASEWORK ELEVATION TAG
- BUILDING OUTLINE ABOVE
- MOP BASIN - SEE PLUMBING
- NEW PLUMBING FIXTURE - SEE PLUMBING
- PATCH WALL TO MATCH ADJACENT FINISH
- INDOOR PLAY AREA EQUIPMENT AND PADDED FLOORING BY OTHERS
- REPLACE DOOR SLAB AND HARDWARE
- LADDER TO BE INSTALLED FOR EGRESS
- VENDING MACHINES (N.I.C.)
- DRINKING FOUNTAIN HIGH - LOW - SEE PLUMBING
- ROOFTOP MECHANICAL EQUIPMENT - SEE MECH
- SOLID SURFACE SILL
- 42" GUARDRAIL
- MECHANICAL PIPING TO ROOF - SEE MECH
- GALVANIZED GRATE OVER AREA WELL
- MECHANICAL AREA WELL - SEE STRUCTURAL
- REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECH AND CIVIL
- NEW HOLLOW METAL DOOR AND FRAME - SEE DOOR SCHEDULE
- EXISTING CONCESSION OPENING AND O.H. DOOR
- SHIPS LADDER TO BE INSTALLED FOR ROOF ACCESS
- ANODIZED HSS TO MATCH MULLION COLOR - SEE STRUCT FOR DETAIL
- WOOD TOP BENCH WITH WALL MOUNTED BRACKETS F.O.C. MAX.
- NEW CONCRETE SLAB AS REQUIRED TO INSTALL NEW FOOTINGS - SEE STRUCTURAL
- REPLACE DOOR HARDWARE - SEE DOOR SCHEDULE
- INFILL OPENING WITH CMU BLOCKING
- PARTIAL HEIGHT WALLS (6'-0" WALLS)
- METAL MESH RAILING
- EXTENTS OF PRECAST PLANT AND CONCRETE TOPPING
- RAIN LEADER - SEE PLUMBING
- MEZZINE FLOOR TO GET TRAFFIC COATING
- 4" CONCRETE PAD - SEE MECH/PLUMB. FOR EQUIP. SIZE.
- BULLNOSE CORNERS
- FILL OPENING, STAKE MORTAR JOINTS FLUSH AND PARGE BLOCK SURFACE SMOOTH FOR INTERIOR AND EXTERIOR
- WATER METER - SEE PLUMBING
- EYE WASH - SEE PLUMBING
- ALTERNATE BID WINDOW ADJUST BCJ LOCATIONS AS NECESSARY
- REMOVE EXISTING COUNTERTOP AND INSTALL NEW PLAM COUNTERTOPS AND SINKS WHERE LOCATED ON PLAN



1 UPPER LEVEL REMODELED FLOOR PLAN - SEG A
1/8" = 1'-0"

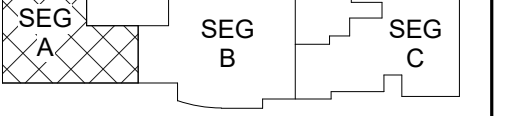
LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - RBID
 204 KIRKWOOD ST EAST
 LANESBORO, MN 55949
UPPER LEVEL REMODELED FLOOR PLAN - SEG A

Project Number: 18063

Project Date: 9-26-19

Drawn By: TBS/SRW

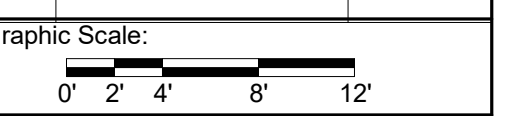
Key Plan:



KEY PLAN

Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19



Last Update: 10/10/2019 10:15:47 AM

A103



Consultant:

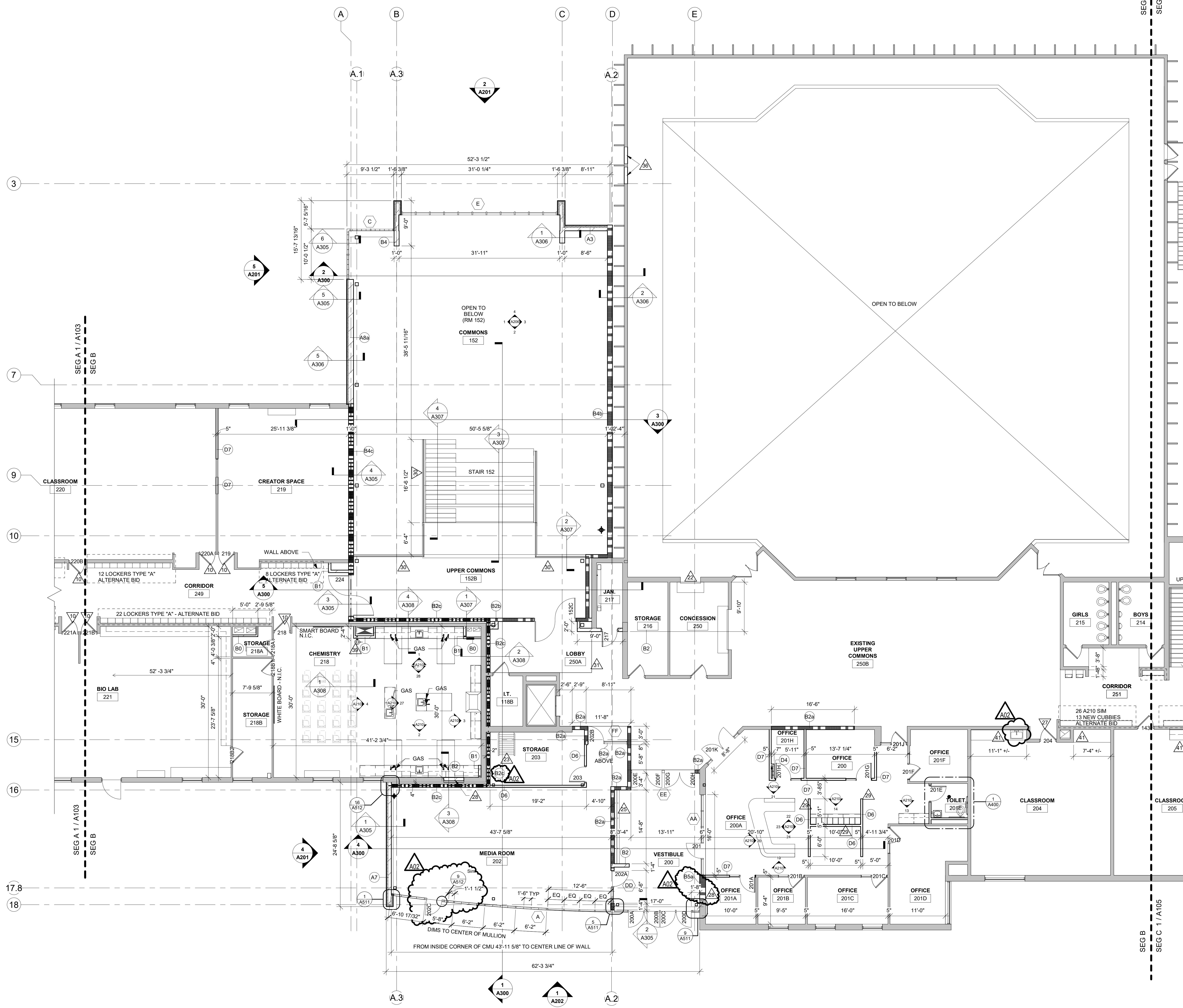
ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic. No.: 56867

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic. No.: 56867

- GENERAL NOTES:**
- A SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
 - B LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
 - C VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
 - D PAINT ALL EXPOSED STEEL LINTELS.
 - E SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
 - F SEE A510 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR C.J. LOCATIONS. C.J. = CONTROL JOINTS.
 - G REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
 - H EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A600 FOR TOP OF WALL DETAILS.
 - I UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.
 - J FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A304-A338 FOR ALL EQUIPMENT NOTES.
 - K SEE A500 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
 - L GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/CURBS AS REQUIRED FOR MECHANICAL EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECHANICAL.
 - M ALL DOORS TO BE LOCATED 4" FROM WALL AT HINGE UNLESS NOTED OTHERWISE.

- LEGEND:**
- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.
 - (A) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A601 FOR WINDOW FRAME ELEVATIONS.
 - (A) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - 1 HOUR WALL
 - 2 HOUR WALL
 - 3 HOUR WALL

- KEY NOTES PLAN**
- 1 PATCH AND PREP FLOOR AS REQUIRED FOR NEW FLOOR FINISH - SEE ID SHEETS
 - 2 CONCRETE STOOP - SEE STRUCTURAL
 - 3 3'-6" HIGH WALL WITH SOLID SURFACE CAP
 - 4 SEE ROOM 108 FOR CASEWORK ELEVATION TAG
 - 5 BUILDING OUTLINE ABOVE
 - 6 MOP BASIN - SEE PLUMBING
 - 7 NEW PLUMBING FIXTURE - SEE PLUMBING
 - 8 PATCH WALL TO MATCH ADJACENT FINISH
 - 9 INDOOR PLAY AREA EQUIPMENT AND PADDED FLOORING BY OTHERS
 - 10 REPLACE DOOR SLAB AND HARDWARE
 - 11 LADDER TO BE INSTALLED FOR EGRESS
 - 12 VENDING MACHINES (IN C)
 - 13 DRINKING FOUNTAIN HIGH - LOW - SEE PLUMBING
 - 14 ROOFTOP MECHANICAL EQUIPMENT - SEE MECH
 - 15 SOLID SURFACE SILL
 - 16 4" GUARDRAIL
 - 17 MECHANICAL PIPING TO ROOF - SEE MECH
 - 18 GALVANIZED GRATE OVER AREA WELL
 - 19 MECHANICAL AREA WELL - SEE STRUCTURAL
 - 20 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECH AND CIVIL
 - 21 NEW HOLLOW METAL DOOR AND FRAME - SEE DOOR SCHEDULE
 - 22 EXISTING CONCESSION OPENING AND O.H. DOOR
 - 23 SHIPS LADDER TO BE INSTALLED FOR ROOF ACCESS
 - 24 ANODIZED HSS TO MATCH MULLION COLOR - SEE STRUCT FOR DETAIL
 - 25 WOOD TOP BENCH WITH WALL MOUNTED BRACKETS 5' O.C. MAX
 - 26 NEW CONCRETE SLAB AS REQUIRED TO INSTALL NEW FOOTINGS - SEE STRUCTURAL
 - 27 REPLACE DOOR HARDWARE - SEE DOOR SCHEDULE
 - 28 INFILL OPENING WITH CMU BLOCKING
 - 29 PARTIAL HEIGHT WALLS (6'-0" WALLS)
 - 30 METAL MESH RAILING
 - 31 EXTENTS OF PRECAST PLANT AND CONCRETE TOPPING
 - 32 RAIN LEADER - SEE PLUMBING
 - 33 MEZZINE FLOOR TO GET TRAFFIC COATING
 - 34 4" CONCRETE PAD - SEE MECH/PLUMB. FOR EQUIP. SIZE
 - 35 BULLNOSE CORNERS
 - 36 FILL OPENING, STRE MORTAR JOINTS FLUSH AND PARGE BLOCK SURFACE SMOOTH FOR INTERIOR AND EXTERIOR
 - 37 NEW COILING DOOR - SEE DOOR SCHEDULE
 - 38 WATER METER - SEE PLUMBING
 - 39 EYE WASH - SEE PLUMBING
 - 40 ALTERNATE BID WINDOW ADJUST RELOCATIONS AS NECESSARY. RELOCATE WINDOW AND INSTALL NEW PLUMBING INTERIORS AND SINKS WHERE LOCATED ON PLAN.



1 UPPER LEVEL REMODELED FLOOR PLAN - SEG B
1/8" = 1'-0"

**LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID**

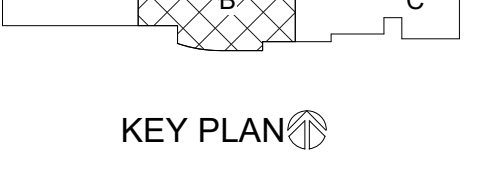
204 KIRKWOOD ST EAST
LANESBORO, MN 55949

UPPER LEVEL REMODELED FLOOR PLAN - SEG B

Project Number: **18063**

Project Date: **9-26-19**

Drawn By: **TBS/SRW**



KEY PLAN

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update: **10/10/2019 10:15:50 AM**

A104



Consultant:

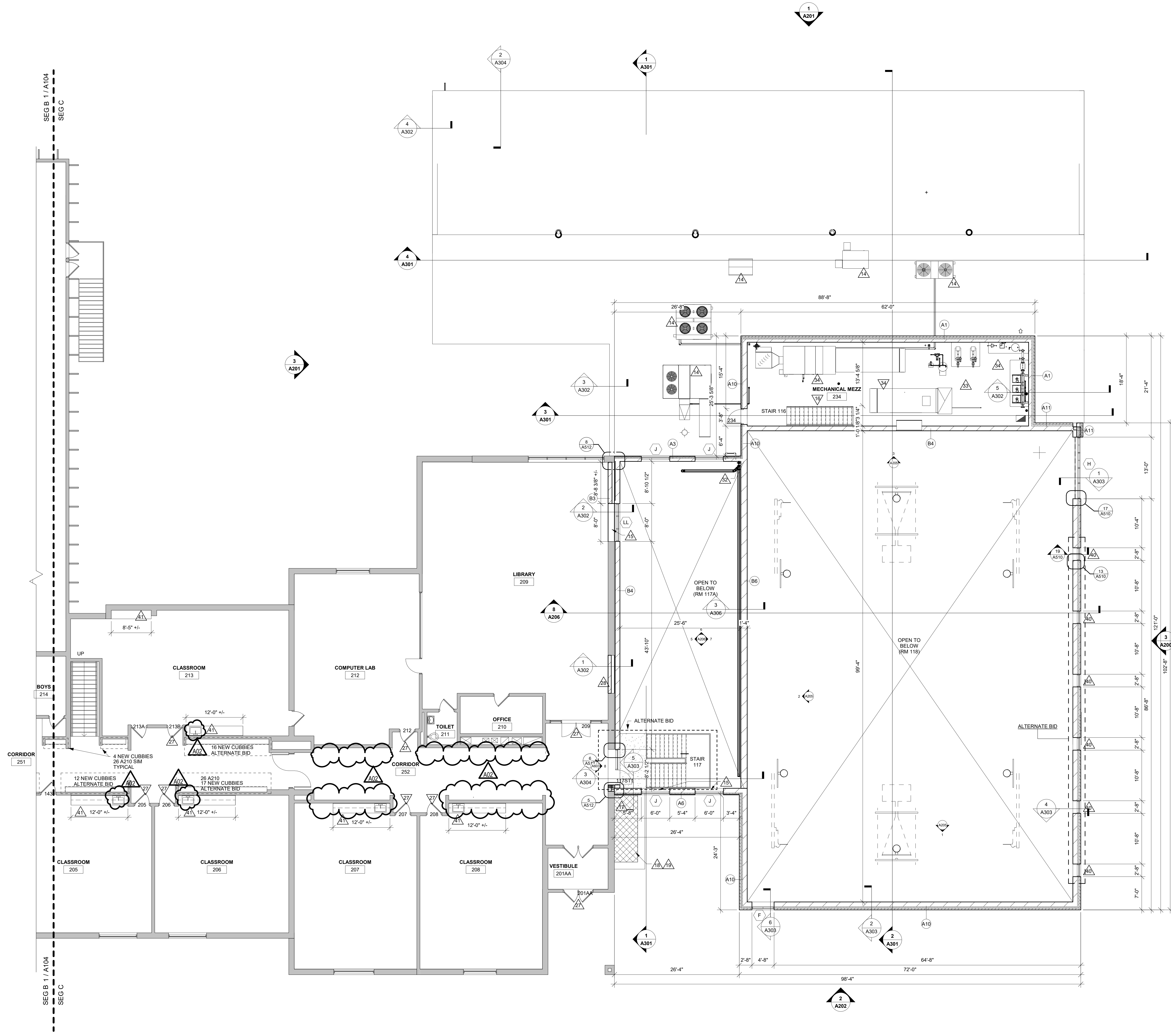
ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 11311
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 56867
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

- GENERAL NOTES:**
- A SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
 - B LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
 - C VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
 - D PAINT ALL EXPOSED STEEL LINTELS.
 - E SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
 - F SEE A510 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CL LOCATIONS. C-J = CONTROL JOINTS.
 - G REFER TO OVERALL PLANS FOR FIRE-RATING LOCATIONS AND ACCESSIBILITY ROUTES.
 - H EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A500 FOR TOP OF WALL DETAILS.
 - I UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" : 12" TO FLOOR DRAINS - TO "CENTER" IF NO FLOOR DRAINS.
 - J FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A100A153 FOR ALL EQUIPMENT NOTES.
 - K SEE A500 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
 - L GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/CURBS AS REQUIRED FOR MECHANICAL/ELECTRICAL EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECHANICAL/ELECTRICAL.
 - M ALL DOORS TO BE LOCATED 4" FROM WALL AT HINGE UNLESS NOTED OTHERWISE.

- LEGEND:**
- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.
 - (A) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A601 FOR WINDOW FRAME ELEVATIONS.
 - (A) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - 1 HOUR WALL
 - 2 HOUR WALL
 - 3 HOUR WALL

- KEY NOTES PLAN**
- 1 PATCH AND PREP FLOOR AS REQUIRED FOR NEW FLOOR FINISH - SEE ID SHEETS
 - 2 CONCRETE STCOOP - SEE STRUCTURAL
 - 3 3'-6" HIGH WALL WITH SOLID SURFACE CAP
 - 4 SEE ROOM 108 FOR CASEWORK ELEVATION TAG
 - 5 BUILDING OUTLINE ABOVE
 - 6 MOOP BASH - SEE PLUMBING
 - 7 NEW PLUMBING FIXTURE - SEE PLUMBING
 - 8 PATCH WALL TO MATCH ADJACENT FINISH
 - 9 INDOOR PLAY AREA EQUIPMENT AND PADDED FLOORING BY OTHERS
 - 10 REPLACE DOOR SLAB AND HARDWARE
 - 11 LADDER TO BE INSTALLED FOR EGRESS
 - 12 VENDING MACHINES (N.I.C.)
 - 13 DRINKING FOUNTAIN HIGH - LOW - SEE PLUMBING
 - 14 ROOFTOP MECHANICAL EQUIPMENT - SEE MECH
 - 15 SOLID SURFACE SILL
 - 16 42" GUARDRAIL
 - 17 MECHANICAL PIPING TO ROOF - SEE MECH
 - 18 GALVANIZED GRATE OVER AREA WELL
 - 19 MECHANICAL AREA WELL - SEE STRUCTURAL
 - 20 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECH AND CIVIL
 - 21 NEW HOLLOW METAL DOOR AND FRAME - SEE DOOR SCHEDULE
 - 22 EXISTING CONCESSION OPENING AND O.H. DOOR
 - 23 SHIPS LADDER TO BE INSTALLED FOR ROOF ACCESS
 - 24 ANODIZED HSS TO MATCH MILLION COLOR - SEE STRUCT FOR DETAIL
 - 25 WOOD TOP BENCH WITH WALL MOUNTED BRACKETS 5' O.C. MAX
 - 26 NEW CONCRETE SLAB AS REQUIRED TO INSTALL NEW FOOTINGS - SEE STRUCTURAL
 - 27 REPLACE DOOR HARDWARE - SEE DOOR SCHEDULE
 - 28 INFILL OPENING WITH CMU BLOCKING
 - 29 PARTIAL HEIGHT WALLS (8'-0" WALLS)
 - 30 METAL MESH RAILING
 - 31 EXTENTS OF PRECAST PLANT AND CONCRETE TOPPING
 - 32 RAIN LEADER - SEE PLUMBING
 - 33 MEZZANINE FLOOR TO GET TRAFFIC COATING
 - 34 4" CONCRETE PAD - SEE MECH/PLUMB. FOR EQUIP. SIZE
 - 35 BULLNOSE CORNERS
 - 36 FILL OPENING. STAKE MORTAR JOINTS FLUSH AND PARGE BLOCK SURFACE SMOOTH FOR INTERIOR AND EXTERIOR.
 - 37 NEW COILING DOOR - SEE DOOR SCHEDULE
 - 38 WATER METER - SEE PLUMBING
 - 39 EYE WASH - SEE PLUMBING
 - 40 ALTERNATE BID WINDOW ADJUST BCI LOCATIONS AS NECESSARY
 - 41 REMOVE EXISTING COUNTERTOP AND INSTALL NEW PL-WALL COUNTERTOPS AND SINKS WHERE LOCATED ON PLAN

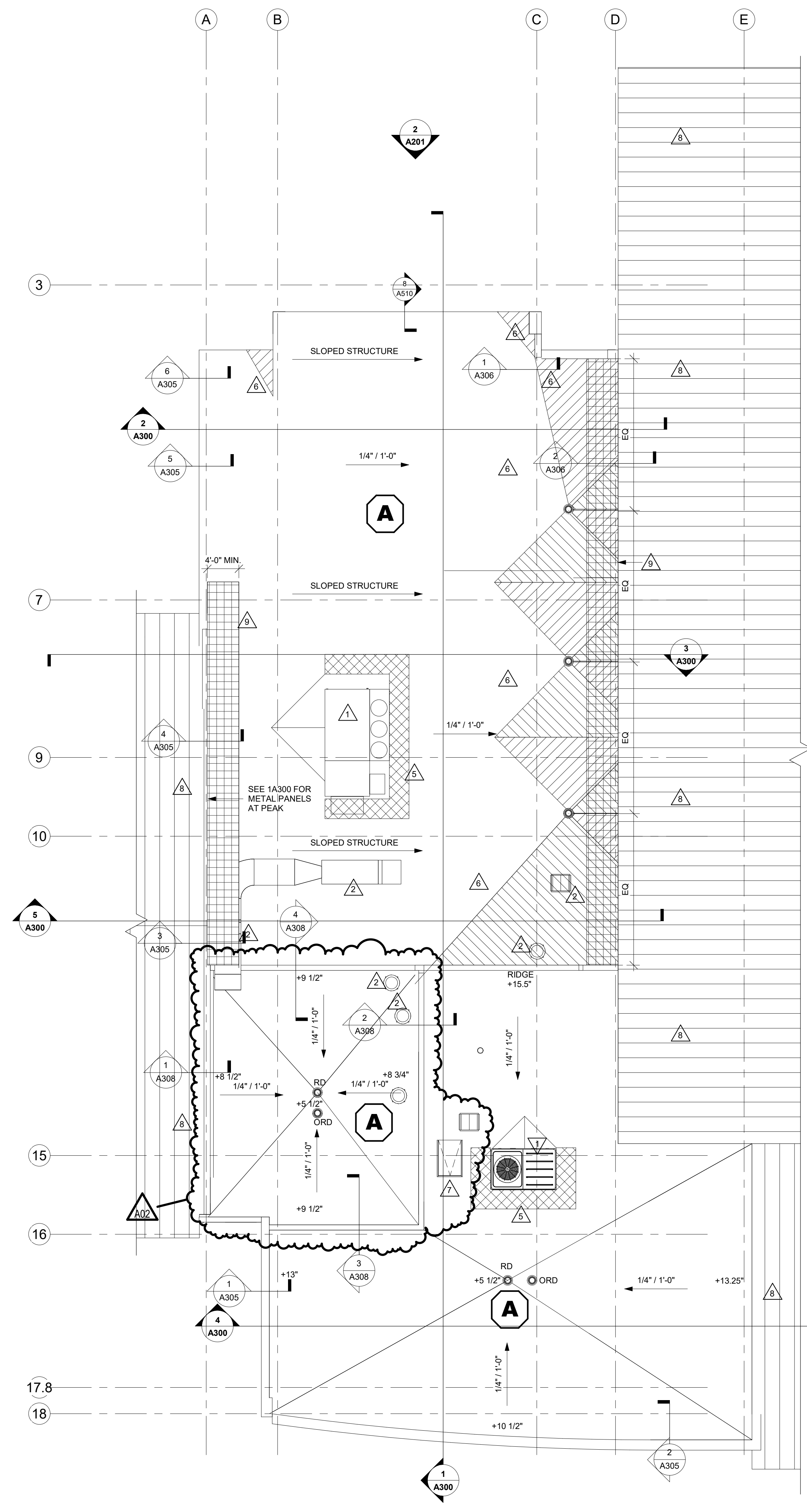


1 UPPER LEVEL REMODELED FLOOR PLAN - SEG C
1/8" = 1'-0"

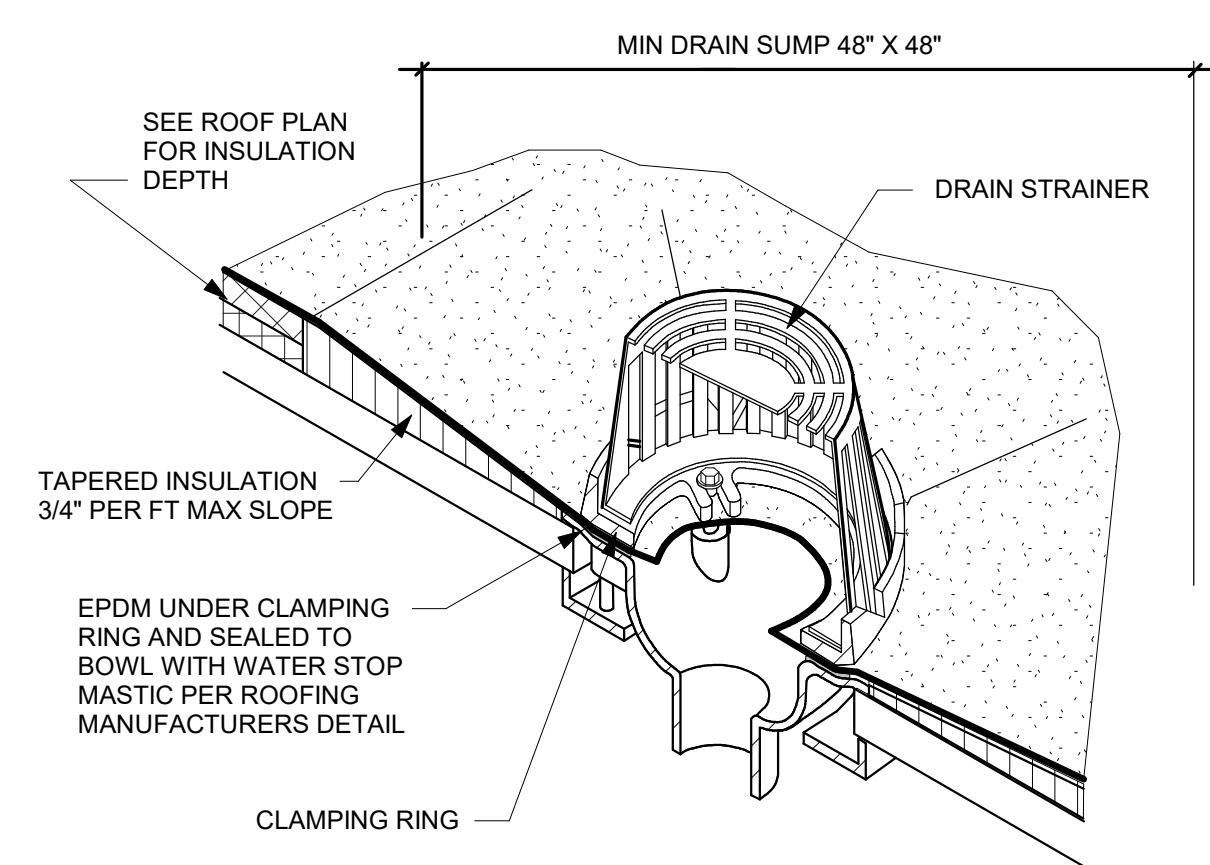
LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
 204 KIRKWOOD ST EAST
 LANESBORO, MN 55949
 Project Title:
 HSR Project Number:
18063
 Project Date:
9-26-19
 Drawn By:
TBS/SRW
 Key Plan:
 SEG A SEG B SEG C
 KEY PLAN
 Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

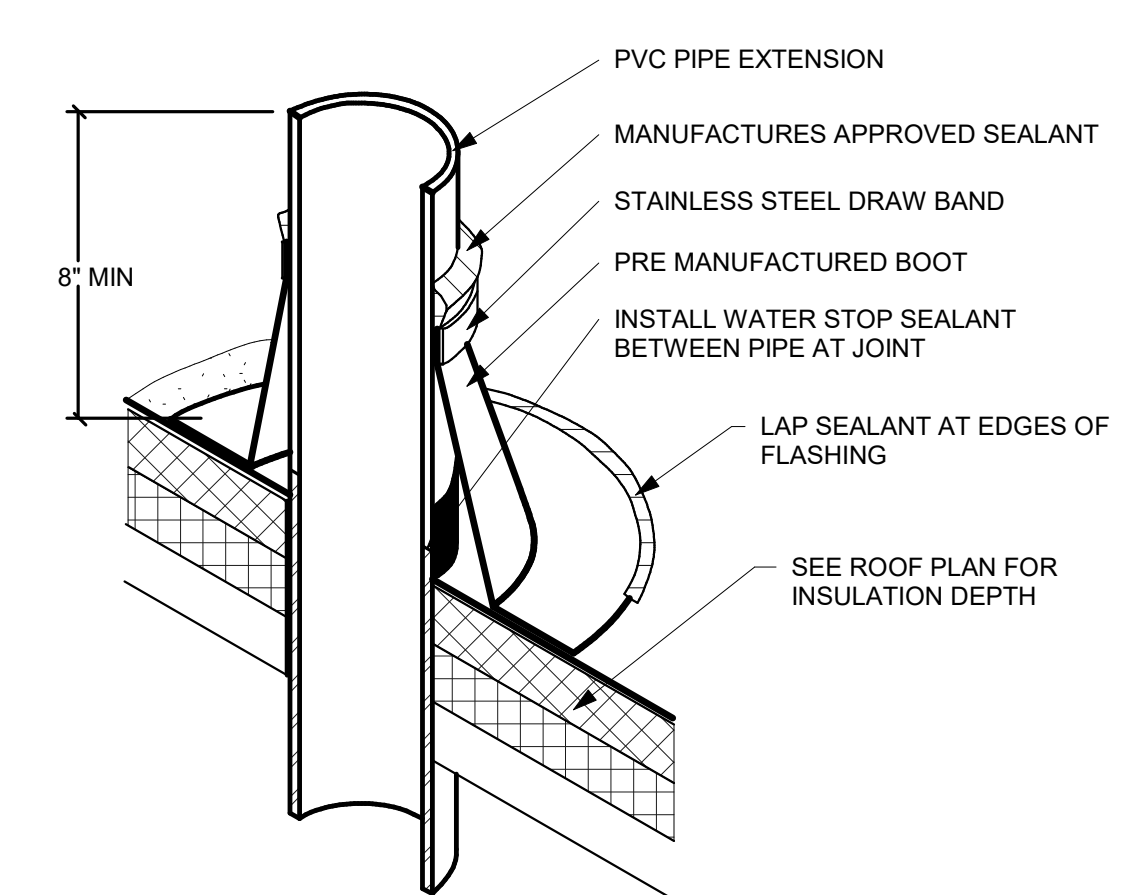
 Graphic Scale:
 0' 2' 4' 8' 12'
 Last Update:
10/10/2019 10:15:53 AM
A105



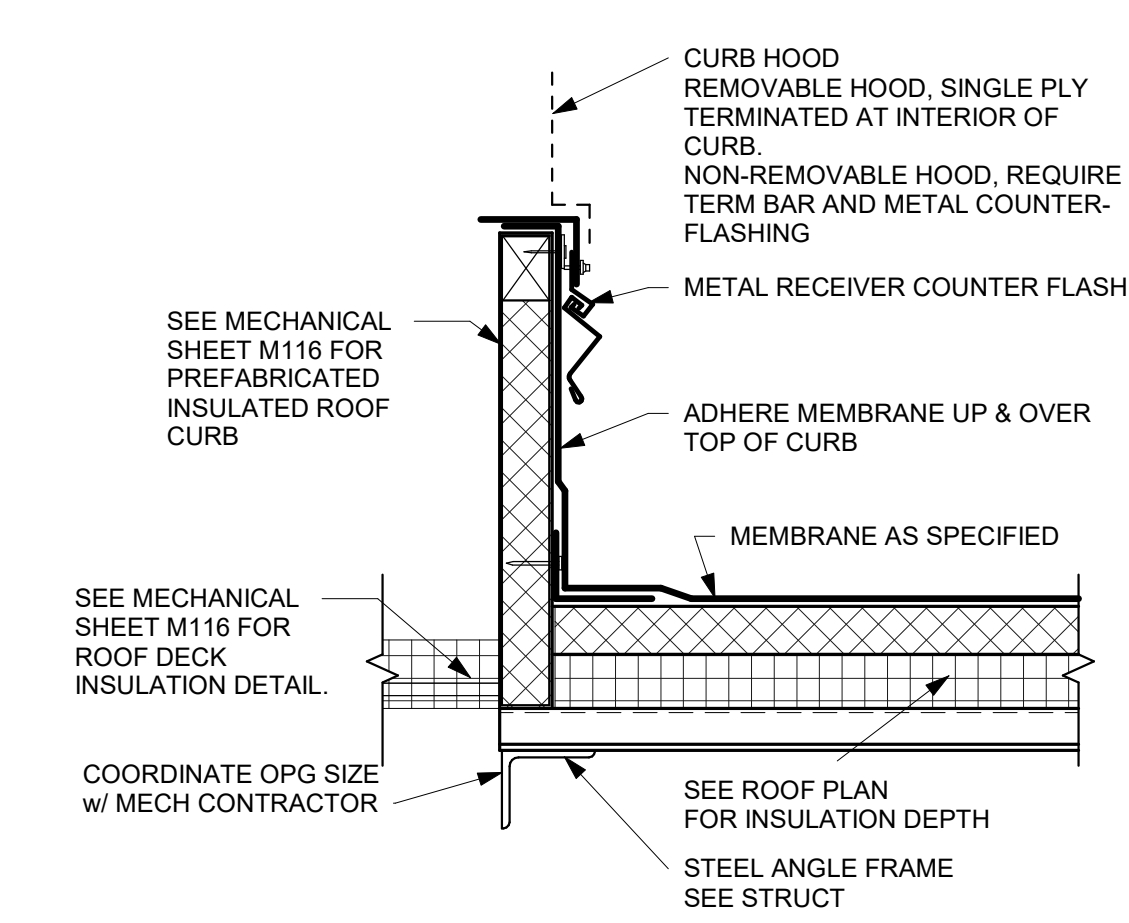
1 ROOF PLAN - SEG B
1/8" = 1'-0"



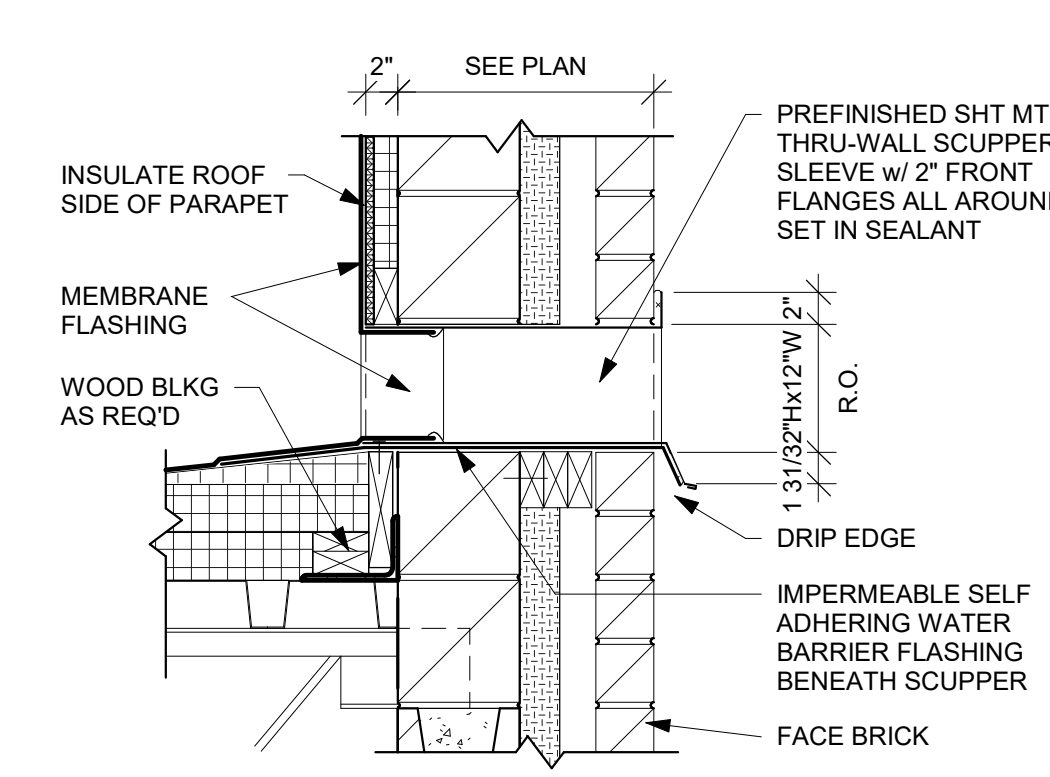
2 TYP ROOF DRAIN
3/8" = 1'-0"



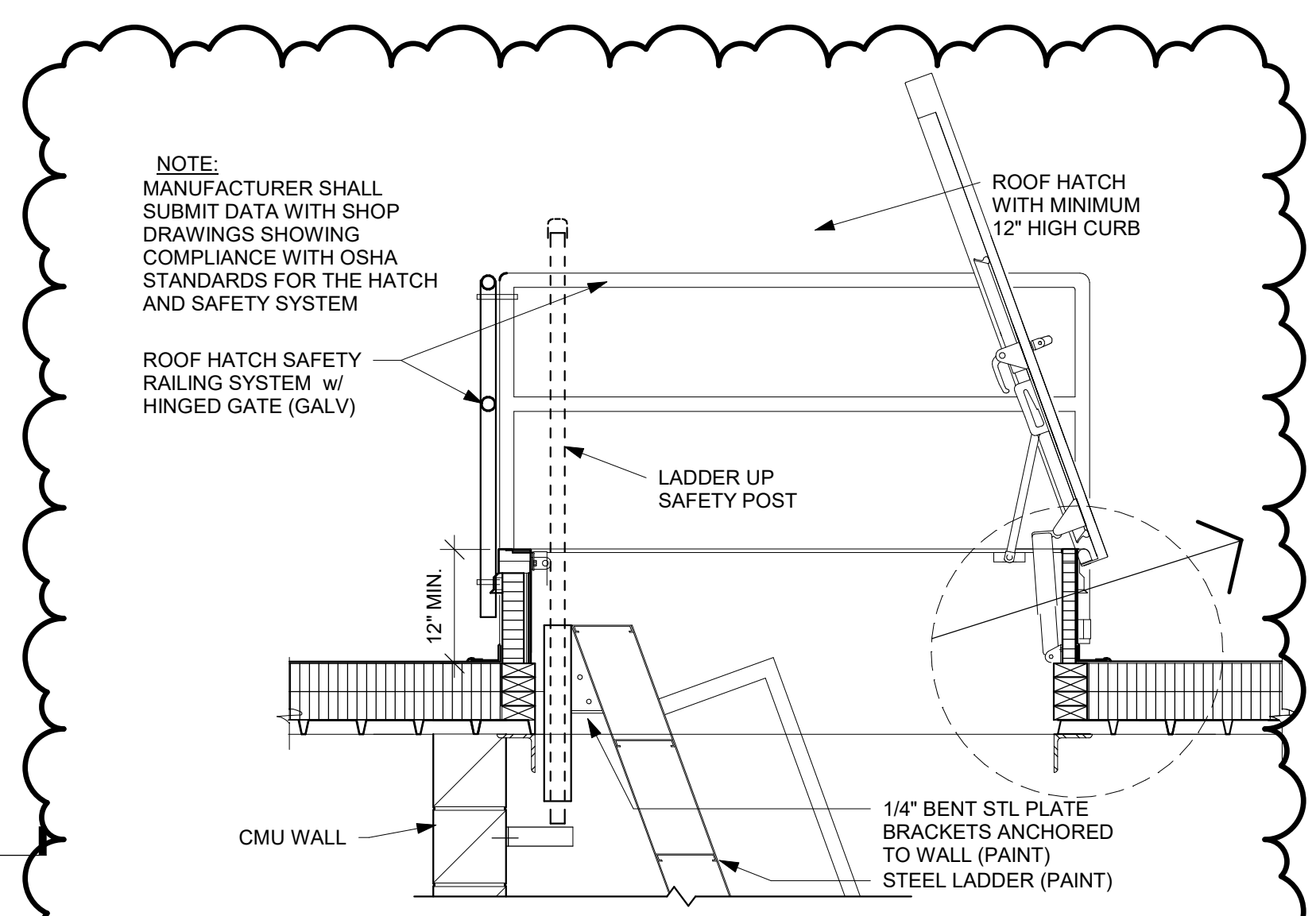
3 VENT PIPE FLASHING
3/8" = 1'-0"



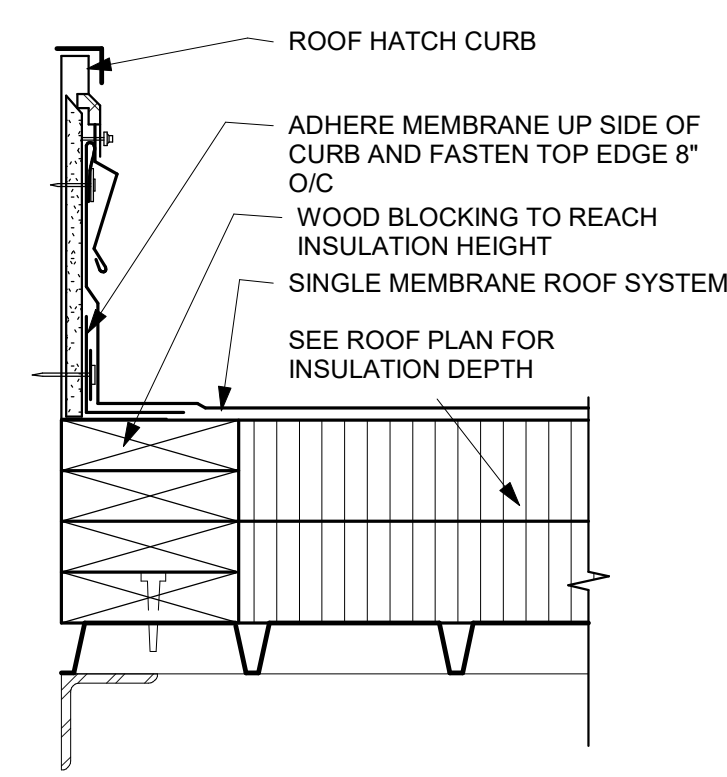
4 CURB FLASHING
3/8" = 1'-0"



5 OVERFLOW SCUPPER
1" = 1'-0"



6 ROOF SCHUTTLE
3/4" = 1'-0"



7 CURB FLASHING
3/8" = 1'-0"

GENERAL ROOF NOTES:

- A SEE ROOF SYSTEM NOTES FOR MINIMUM AND AVERAGE INSULATION VALUES.
- B ROOFING CONTRACTOR TO VERIFY ALL TAPERED INSULATION DRAWING PLAN DRAIN LOCATIONS WITH PHYSICAL LOCATION OF ROOF DRAIN AS INSTALLED BY PLUMBING TRADE PRIOR TO AE APPROVAL OF TAPERED INSULATION SUBMITTAL DRAWING.
- C VERIFY ROOF EQUIPMENT AND PENETRATIONS WITH ALL TRADES. EQUIPMENT SHOWN IS GRAPHIC ONLY.
- D ALL METAL ITEMS AT ROOF TOPS, UNLESS REQUIRED OTHERWISE BY EQUIPMENT MANUFACTURER, SHALL BE PAINTED TO MATCH OTHER TRIM BY THE C.C. - PREPARE, PRIME AND PAINT AS REQUIRED. PROVIDE FACTORY PRIMED PRODUCTS WHERE POSSIBLE.
- E ROOF PENETRATIONS FOR DRAINS, VENTS, ETC. SHALL BE COMPLETED AS PER CURRENT SMACNA REQUIREMENTS AND THE ROOF MANUFACTURERS APPROVED DETAILS FOR WARRANTY SATISFACTION. COORDINATE QUANTITY AND LOCATIONS WITH MEP CONTRACTOR. PROVIDE CURBS WHERE REQUIRED.
- F ALL METAL ROOF AND FLASHING, SHALL MEET CURRENT SMACNA REQUIREMENTS AND MANUFACTURERS SPECIFIED WARRANTY.
- G WHERE MEMBRANE IS SHOWN OVER TOP OF WALL EXTEND DOWN OPPOSITE SIDE AND SECURE TO BLOCKING.
- H TOP OF WALL BLOCKING SHOWN IS GRAPHIC. PROVIDE BLOCKING THAT SHALL BE ANCHORED TO WALL BELOW AS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER TO WITHSTAND WIND UPLIFT AS STATED IN CODE. TOP OF WALLS SHALL SLOPE TOWARDS ROOF.
- I INSTALL BOND BREAK BETWEEN ALL WOOD BLOCKING AND CMU OR CONCRETE.
- J WHERE ROOF DRAINS PENETRATE ABOVE ROOMS W/ NO CEILING CARE SHALL BE TAKEN TO ENSURE NEAT CUTS IN THE DECK AND PIPING INSULATION SHALL BE CUT AND ANCHORED NEATLY @ RIGHT ANGLES TO STRUCTURE.
- K THE GENERAL CONTRACTOR, ROOFING CONTRACTOR AND MEP CONTRACTORS SHALL MEET TO PLAN AND DISCUSS FINAL ROOF EIGHT LOCATIONS. TIMING OF MEETING SHALL OCCUR BEFORE INSTALLATION OF ROOF DRAIN LEADERS TO ALLOW FOR ANY REQUIRED ADJUSTMENTS.
- L THE GENERAL CONTRACTOR, ROOFING CONTRACTOR AND PLUMBING CONTRACTORS SHALL MEET TO PLAN AND DISCUSS FINAL ROOF EIGHT LOCATIONS. TAPERED INSULATION DRAWING SHALL BE RE-SUBMITTED TO THE AE AFTER DRAIN LOCATIONS ARE APPROVED BY ALL IN WRITING. TAPERED INSULATION IS INSTALLED CONTRARY TO THE LOW POINT OF THE DRAIN. OVER FLOW OR SCUPPER LOCATIONS SHALL BE CAUSE FOR REJECTION OF WORK.

ROOF SYSTEM DESCRIPTIONS:

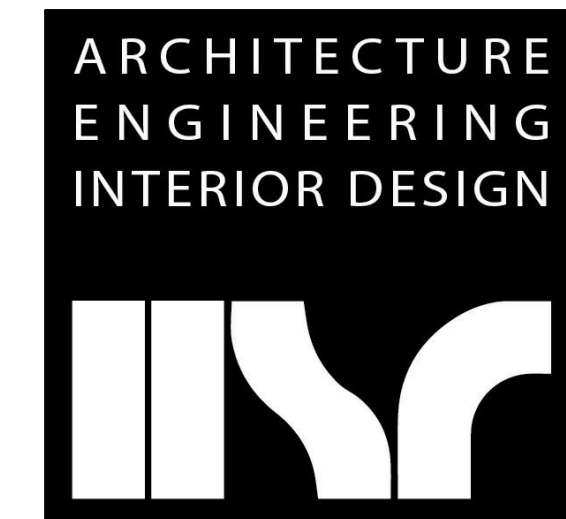
- A ADHERED, SINGLE MEMBRANE ROOFING SYSTEM ON 1/4" PER FOOT TAPERED POLYISOCYANURATE INSULATION SYSTEM CONSISTING OF TAPERED INSUL OVER MINIMUM 3" BASE LAYER. INSTALL REQUIRED THICKNESS TO MEET AVERAGE R-VALUE OF 27.5. INSTALL INSULATION OVER 6 MIL POLY VAPOR BARRIER OVER METAL DECK. VAPOR BARRIER SHALL BE TAPED SEAL AT PERIMETER AND OVERLAPPED SEAMS.
- B FULLY ADHERED, SINGLE MEMBRANE ROOFING SYSTEM OVER 1/2" HIGH DENSITY COVER BOARD OVER 5 1/2" POLYISOCYANURATE (MIN. 2 LAYERS) INSULATION OVER VAPOR BARRIER OVER METAL DECK. VAPOR BARRIER SHALL BE TAPED SEAL AT PERIMETER AND OVERLAPPED SEAMS. INSTALL SIMULATED STANDING SEAM RIBS OVER MEMBRANE.

ROOF EQUIPMENT LEGEND:

- ACCUR AIR COOLED CONDENSING UNIT-SEE MECHANICAL
- INTAKE VENT HOOD-SEE MECHANICAL
- EXHAUST VENT HOOD-SEE MECHANICAL
- AIR INTAKE/EXHAUST VENT-SEE MECHANICAL
- PLUMBING VENT-SEE PLUMBING
- ORD = ROOF DRAIN WITH 4" SQUARE SUMP. INSTALL TO OS = OVERFLOW SCUPPER

KEY NOTES ROOF

- 1 ROOF TOP MECHANICAL EQUIPMENT - SEE MECHANICAL
- 2 ROOF INTAKE/EXHAUST - SEE MECHANICAL
- 3 PIPING FOR MECHANICAL UNITS - SEE MECHANICAL
- 4 STEEL ROOF ACCESS LADDER - PAINT
- 5 INSTALL WALKWAY PADS
- 6 TAPERED INSULATION CRICKET
- 7 ROOF ACCESS HATCH - PAINT
- 8 EXISTING METAL ROOF
- 9 NO ROOF PENETRATIONS IN THIS AREA
- 10 OVERFLOW SCUPPER - SEE 5420
- 11 ROOF PENETRATION HOUSING AT ELECTRICAL PENETRATION



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 11311
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

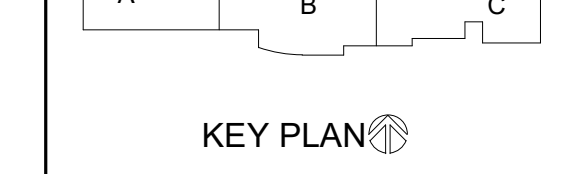
ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - RBID
Project Location: 204 KIRKWOOD ST EAST LANESBORO, MN 55949
Sheet Title: ROOF PLAN SEG - B

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: HSR



Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: VARIES

Last Update: 10/10/2019 10:15:57 AM

A120



Consultant:

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the State of Minnesota.
Jim Tompkins
Date: July 9, 2019 Lic. No. 113131

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the State of Minnesota.
Paul J. ...
Date: July 9, 2019 Lic. No. 58867

GENERAL ROOF NOTES:

- A SEE ROOF SYSTEM NOTES FOR MINIMUM AND AVERAGE INSULATION VALUES.
- B ROOFING CONTRACTOR TO VERIFY ALL TAPERED INSULATION DRAWING PLAN DRAIN LOCATIONS WITH PHYSICAL LOCATION OF ROOF DRAIN AS INSTALLED BY PLUMBING TRADE PRIOR TO AE APPROVAL OF TAPERED INSULATION SUBMITTAL DRAWING.
- C VERIFY ROOF EQUIPMENT AND PENETRATIONS WITH ALL TRADES. EQUIPMENT SHOWN IS GRAPHIC ONLY.
- D ALL METAL ITEMS AT ROOF TOPS, UNLESS REQUIRED OTHERWISE BY EQUIPMENT MANUFACTURER, SHALL BE PAINTED TO MATCH OTHER TRIM BY THE G.C. - PREPARE PRIME AND PAINT AS REQUIRED. PROVIDE FACTORY PRIMED PRODUCTS WHERE POSSIBLE.
- E ROOF PENETRATIONS FOR DRAINS, VENTS, ETC. SHALL BE COMPLETED AS PER CURRENT SMACNA REQUIREMENTS AND THE ROOF MANUFACTURERS APPROVED DETAILS FOR WARRANTY SATISFACTION. COORDINATE QUANTITY AND LOCATIONS WITH MEP CONTRACTOR. PROVIDE CURBS WHERE REQUIRED.
- F ALL METAL ROOF AND FLASHING SHALL MEET CURRENT SMACNA REQUIREMENTS AND MANUFACTURER'S SPECIFIED WARRANTY.
- G WHERE MEMBRANE IS SHOWN OVER TOP OF WALL EXTEND DOWN OPPOSITE SIDE AND SECURE TO BLOCKING.
- H TOP OF WALL BLOCKING SHOWN IS GRAPHIC. PROVIDE BLOCKING THAT SHALL BE ANCHORED TO WALL BELOW AS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER TO WITHSTAND WIND UPLIFT. AS STATED IN CODE. TOP OF WALLS SHALL SLOPE TOWARDS ROOF.
- I INSTALL BOND BREAK BETWEEN ALL WOOD BLOCKING AND CMU OR CONCRETE.
- J WHERE ROOF DRAINS PENETRATE ABOVE ROOMS W/ NO CEILING CARE SHALL BE TAKEN TO ENSURE NEAT CUTS IN THE DECK AND PIPING/INSULATION SHALL BE CUT AND ANCHORED NEATLY @ RIGHT ANGLES TO STRUCTURE.
- K THE GENERAL CONTRACTOR, ROOFING CONTRACTOR AND MEP CONTRACTORS SHALL MEET TO PLAN AND DISCUSS FINAL ROOF EDP. LOCATIONS, TIMING OF MEETING SHALL OCCUR BEFORE INSTALLATION OF ROOF DRAIN LEADERS TO ALLOW FOR ANY REQUIRED ADJUSTMENTS.
- L THE GENERAL CONTRACTOR, ROOFING CONTRACTOR AND PLUMBING CONTRACTORS SHALL MEET TO PLAN AND DISCUSS FINAL ROOF DRAIN LOCATIONS. TAPERED INSULATION DRAWING SHALL BE RE-SUBMITTED TO THE A/E AFTER DRAIN LOCATIONS ARE APPROVED BY ALL IN WRITING. TAPERED INSULATION INSTALLED CONTRARY TO THE LOW POINT OF THE DRAIN, OVER FLOW OR SCUPPER LOCATIONS SHALL BE CAUSE FOR REJECTION OF WORK.

ROOF SYSTEM DESCRIPTIONS:

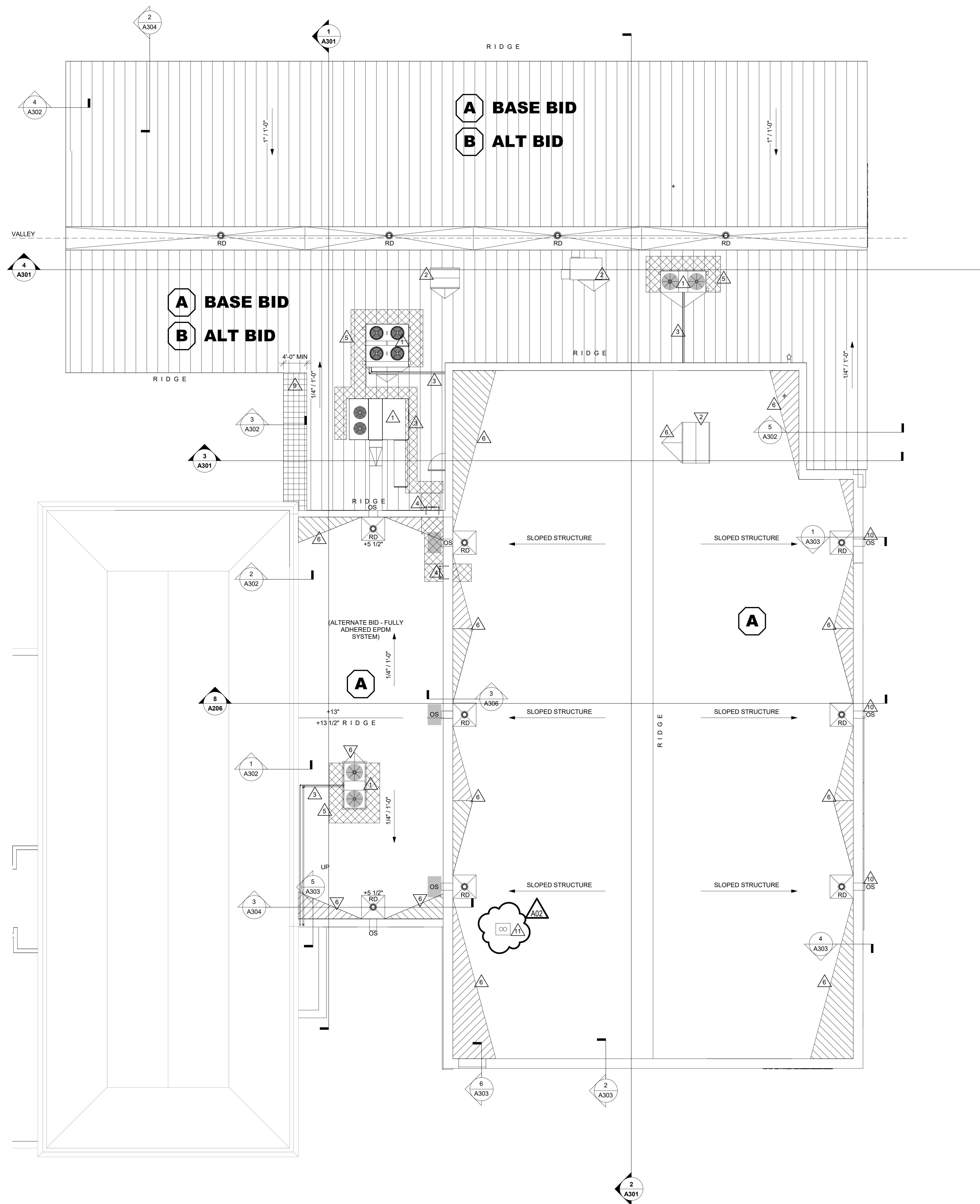
- A ADHERED, SINGLE MEMBRANE ROOFING SYSTEM ON 1/4" PER FOOT TAPERED POLYISOCYANURATE INSULATION SYSTEM CONSISTING OF TAPERED INSUL OVER MINIMUM 3" BASE LAYER. INSTALL REQUIRED THICKNESS TO MEET AVERAGE R-VALUE OF 27.5. INSTALL INSULATION OVER 6 MIL POLY VAPOR BARRIER OVER METAL DECK. VAPOR BARRIER SHALL BE TAPED SEAL AT PERIMETER AND OVERLAPPED SEAMS.
- B FULLY ADHERED, SINGLE MEMBRANE ROOFING SYSTEM OVER 1/2" HIGH DENSITY COVER BOARD OVER 6 1/2" POLYISOCYANURATE (MIN. 2 LAYERS) INSULATION OVER VAPOR BARRIER OVER METAL DECK OVER SLOPED STRUCTURE. VAPOR BARRIER SHALL BE TAPED SEAL AT PERIMETER AND OVERLAPPED SEAMS. INSTALL SIMULATED STANDING SEAM RISERS OVER MEMBRANE.

ROOF EQUIPMENT LEGEND:

- ACCU AIR COOLED CONDENSING UNIT-SEE MECHANICAL.
- INTAKE VENT HOOD-SEE MECHANICAL.
- EXHAUST VENT HOOD-SEE MECHANICAL.
- AIR INTAKE/EXHAUST VENT-SEE MECHANICAL.
- PLUMBING VENT-SEE PLUMBING.
- RD = ROOF DRAIN WITH 4" SQUARE SUMP. INSTALL TO OS = OVERFLOW SCUPPER

KEY NOTES ROOF

- 1 ROOF TOP MECHANICAL EQUIPMENT - SEE MECHANICAL
- 2 ROOF INTAKE/EXHAUST - SEE MECHANICAL
- 3 PIPING FOR MECHANICAL UNITS - SEE MECHANICAL
- 4 STEEL ROOF ACCESS LADDER - PAINT
- 5 INSTALL WALKWAY PADS
- 6 TAPERED INSULATION CRICKET
- 7 ROOF ACCESS HATCH - PAINT
- 8 EXISTING METAL ROOF
- 9 NO ROOF PENETRATIONS IN THIS AREA
- 10 OVERFLOW SCUPPER - SEE 5420
- 11 ROOF PENETRATION HOUSING AT ELECTRICAL PENETRATION



1 ROOF PLAN - SEG - C
1/8" = 1'-0"

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - RBID
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: **ROOF PLAN SEG - C**

HSR Project Number: **18063**
Project Date: **9-26-19**
Drawn By: **TBS**

Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: **VARIES**
Last Update: **10/10/2019 10:15:58 AM**

A121



Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 11311
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

GENERAL NOTES:

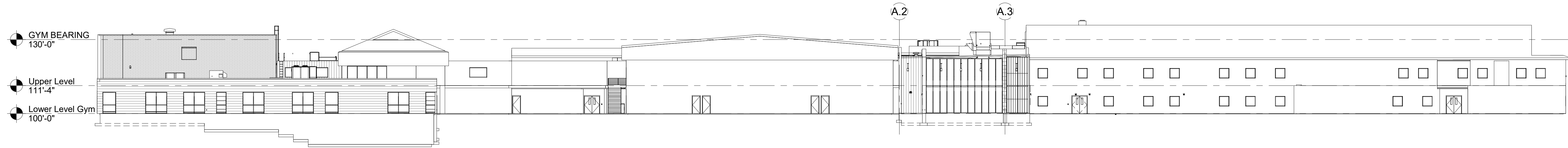
- A SEE DETAILS A510 FOR CONTROL JOINT (CJ) AND BRICK CONTROL JOINT (BCJ) INFORMATION.
- B BRICK COURSING - RUNNING BOND TYPICAL.
- C SEE SPECIFICATION FOR MATERIAL TYPE.

LEGEND:

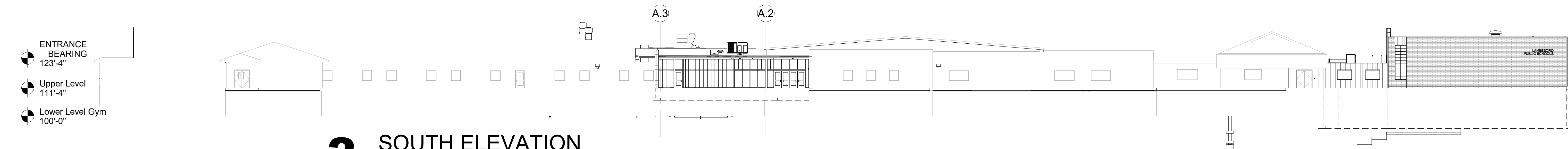
- KEYNOTE TAG
- WINDOW TAG, SEE SHEET A602 FOR FRAME ELEVATIONS
- THROUGH WALL CONTROL JOINT - SEE DETAILS A510
- BRICK VENEER CONTROL JOINT - SEE DETAILS A510

KEY NOTES ELEVATION

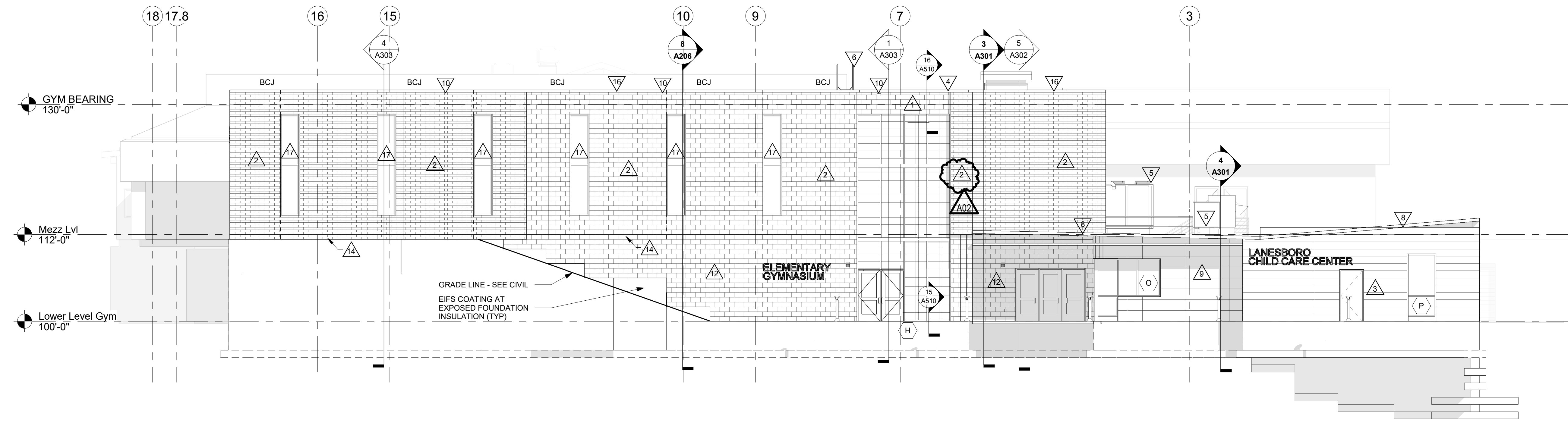
- 1 VERTICAL ARCHITECTURAL METAL FLUSH PANEL TYPE 2 - COLOR #1
- 2 BRICK VENEER - LIGHT BROWN
- 3 HORIZONTAL METAL FLUSH PANEL TYPE 2 - COLOR #2
- 4 PRE-FINISHED ALUMINUM CAP TO MATCH METAL PANEL
- 5 MECHANICAL EQUIPMENT - SEE MECH
- 6 ROOF ACCESS LADDER
- 7 MECHANICAL LOUVER - SEE MECH
- 8 PRE-FINISHED METAL FASCIA
- 9 HORIZONTAL CEMENT BOARD PANEL
- 10 OVERFLOW SCUPPER - SEE ROOF PLAN
- 11 CONCRETE PAD - SEE STRUCTURAL
- 12 SPLIT FACE CMU
- 14 BRICK VENEER - TAN
- 16 PRE-FINISHED ALUMINUM CAP
- 17 ALTERNATE BID WINDOW ADJUST BCJ LOCATIONS AS NECESSARY



1 NORTH ELEVATION
1" = 20'-0"



2 SOUTH ELEVATION
1" = 20'-0"



3 EAST ELEVATION
1/8" = 1'-0"

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - RBID
 Project Location: 204 KIRKWOOD ST EAST
 LANESBORO, MN 55949
 Sheet Title: **ELEVATIONS**

HSR Project Number: **18063**
 Project Date: **9-26-19**
 Drawn By: **TBS/SRW**

Key Plan:

Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: **VARIES**
 Last Update: **10/10/2019 10:16:12 AM**

A200



Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 113131
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

Project Title: LANESBORO PUBLIC SCHOOLS ADDITION & REMODEL - REBID
Project Location: 204 KIRKWOOD ST EAST LANESBORO, MN 55949
Sheet Title: ELEVATIONS

HSR Project Number: 18063
Project Date: 9-26-19
Drawn By: TBS/SRW
Key Plan:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 10/10/2019 10:16:29 AM

A201

GENERAL NOTES:

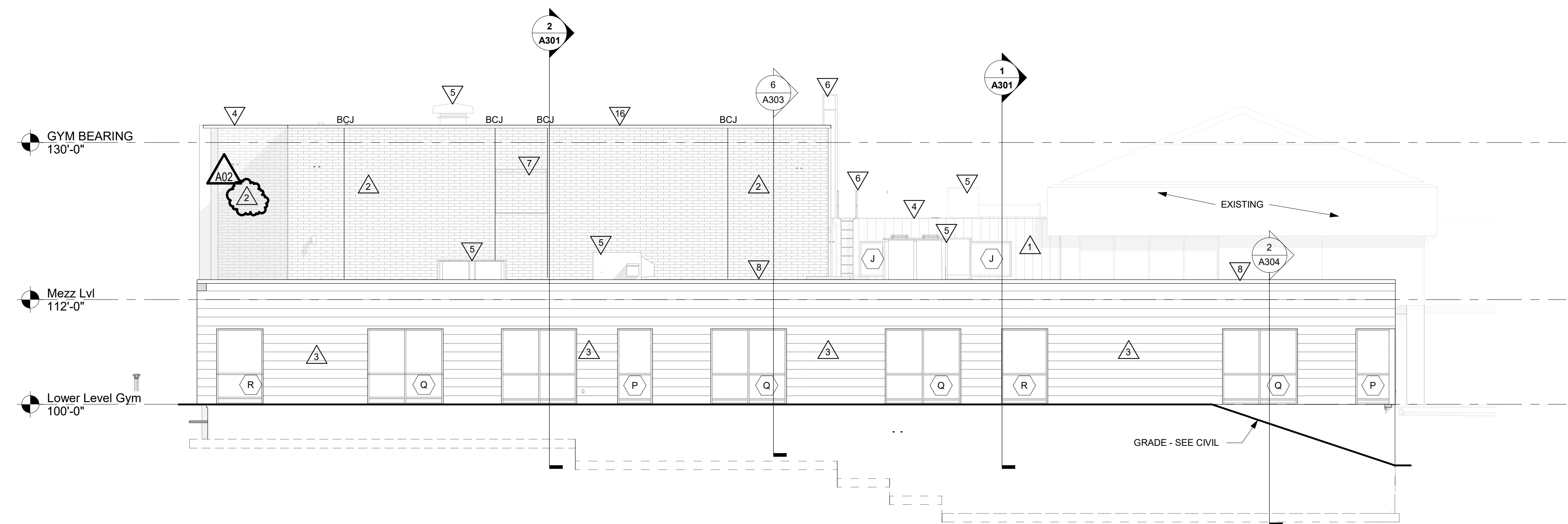
- A SEE DETAILS A510 FOR CONTROL JOINT (CJ) AND BRICK CONTROL JOINT (BCJ) INFORMATION.
- B BRICK COURSING: RUNNING BOND TYPICAL.
- C SEE SPECIFICATION FOR MATERIAL TYPE.

LEGEND:

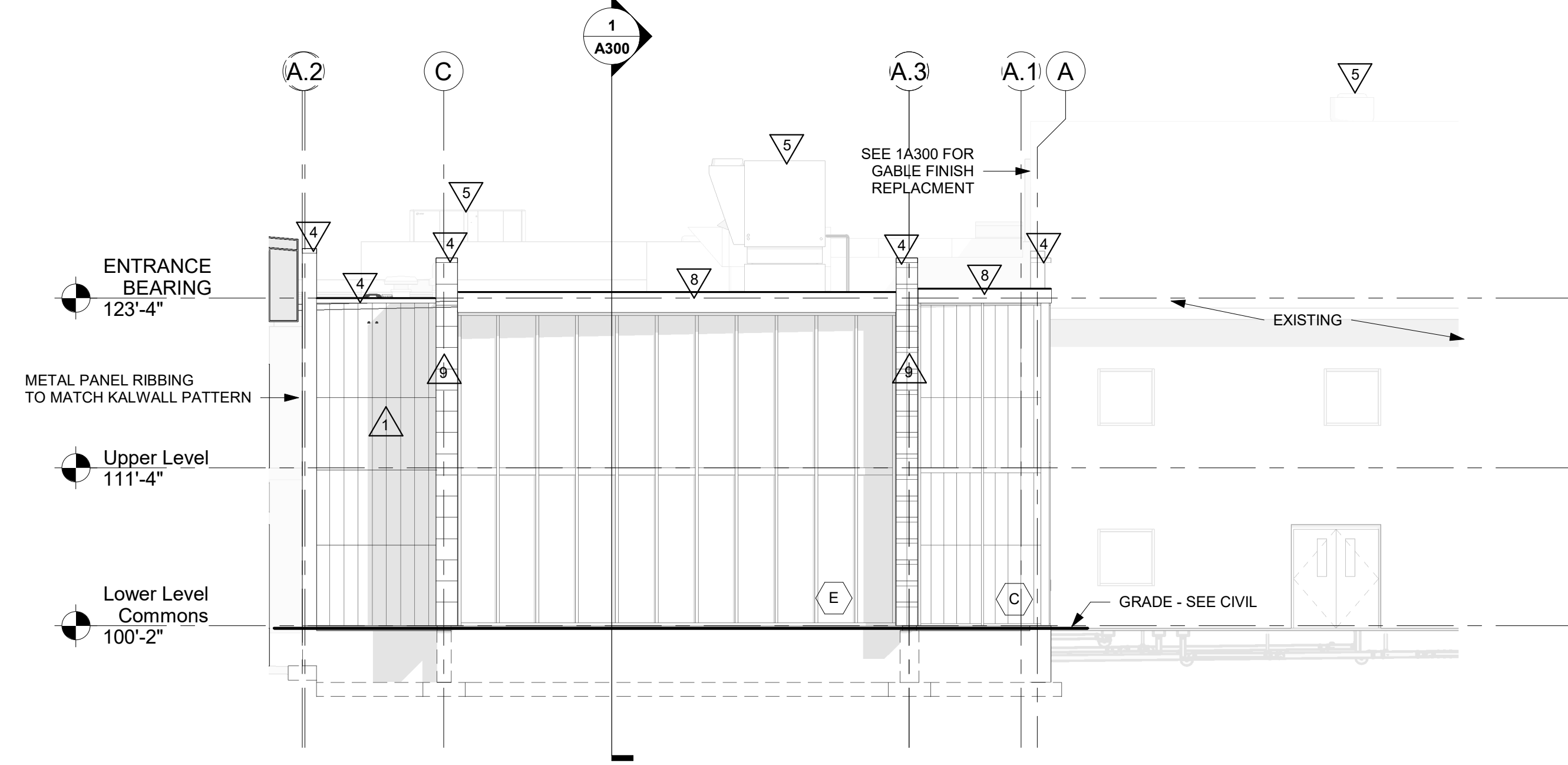
- KEYNOTE TAG
- WINDOW TAG. SEE SHEET A602 FOR FRAME ELEVATIONS
- THROUGH WALL CONTROL JOINT - SEE DETAILS A510
- BRICK VENEER CONTROL JOINT - SEE DETAILS A510

KEY NOTES ELEVATION

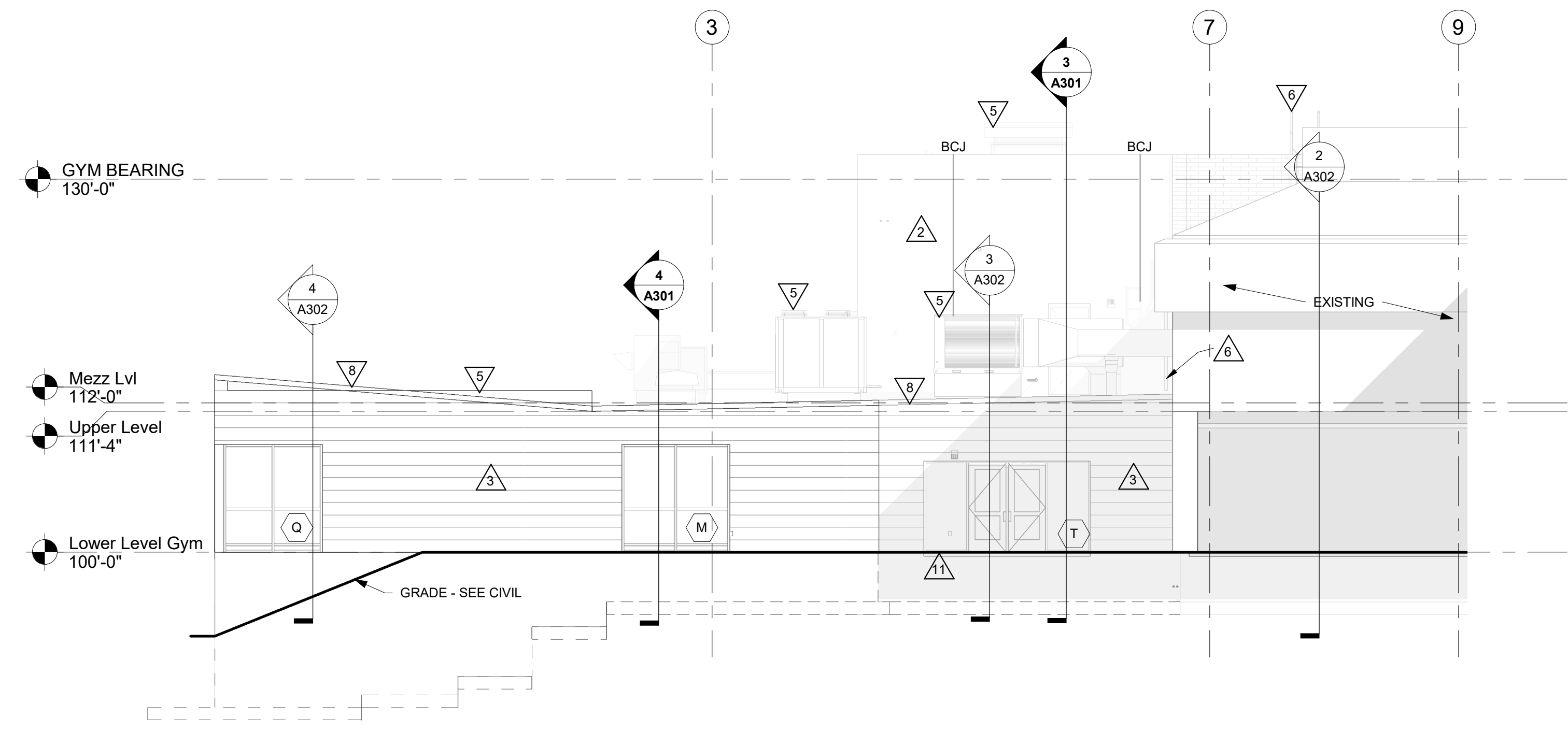
- 1 VERTICAL ARCHITECTURAL METAL FLUSH PANEL TYPE 2 - COLOR #1
- 2 BRICK VENEER - LIGHT BROWN
- 3 HORIZONTAL METAL FLUSH PANEL TYPE 2 - COLOR #2
- 4 PREFINISHED ALUMINUM CAP TO MATCH METAL PANEL
- 5 MECHANICAL EQUIPMENT - SEE MECH
- 6 ROOF ACCESS LADDER
- 7 MECHANICAL LOUVER - SEE MECH
- 8 PREFINISHED METAL FASCIA
- 9 HORIZONTAL CEMENT BOARD PANEL
- 10 OVERFLOW SCUPPER - SEE ROOF PLAN
- 11 CONCRETE PAD - SEE STRUCTURAL
- 12 SPLIT FACE CMU
- 14 BRICK VENEER - TAN
- 16 PREFINISHED ALUMINUM CAP
- 17 ALTERNATE BID WINDOW ADJUST BCJ LOCATIONS AS NECESSARY



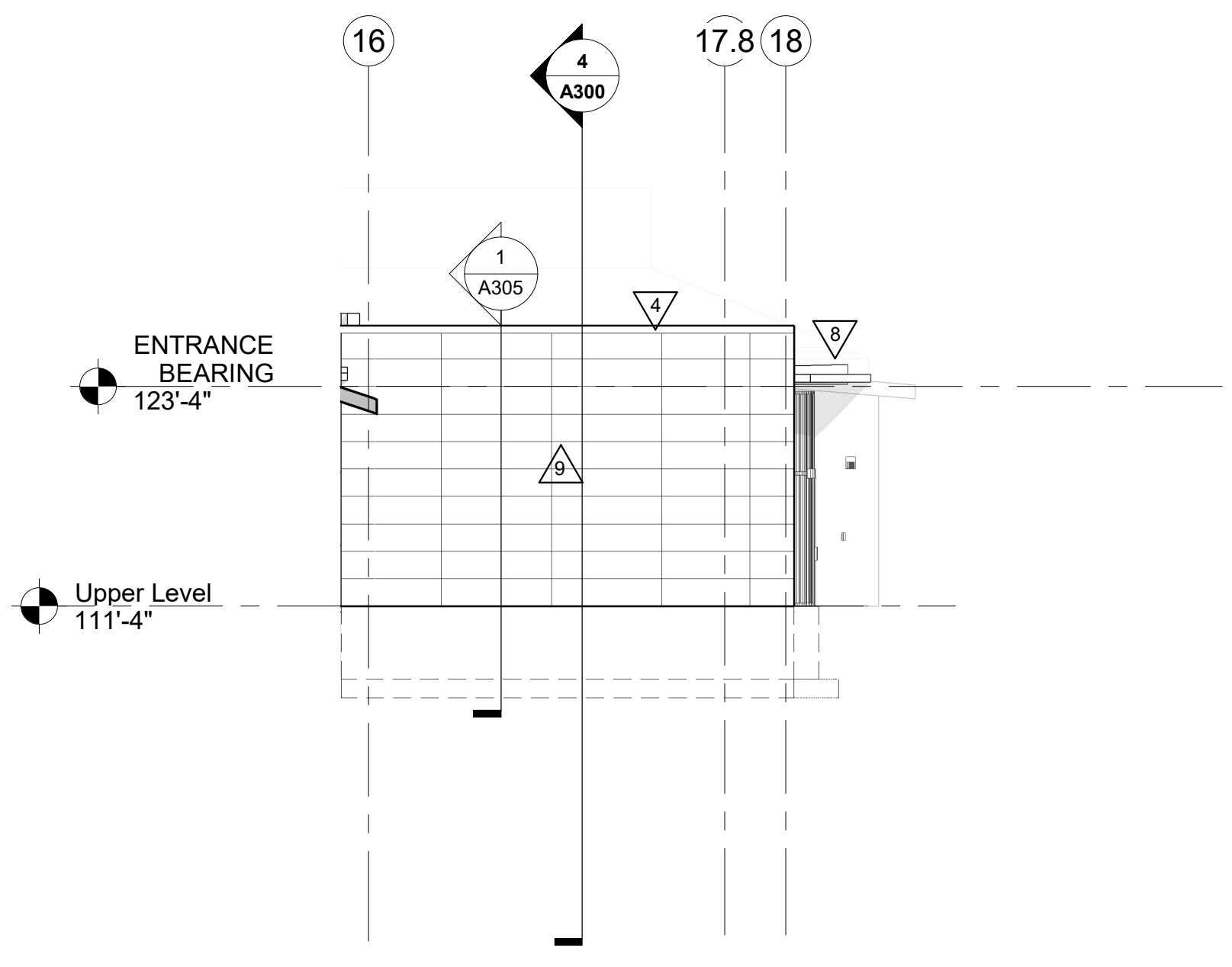
1 EXTERIOR ELEVATION
1/8" = 1'-0"



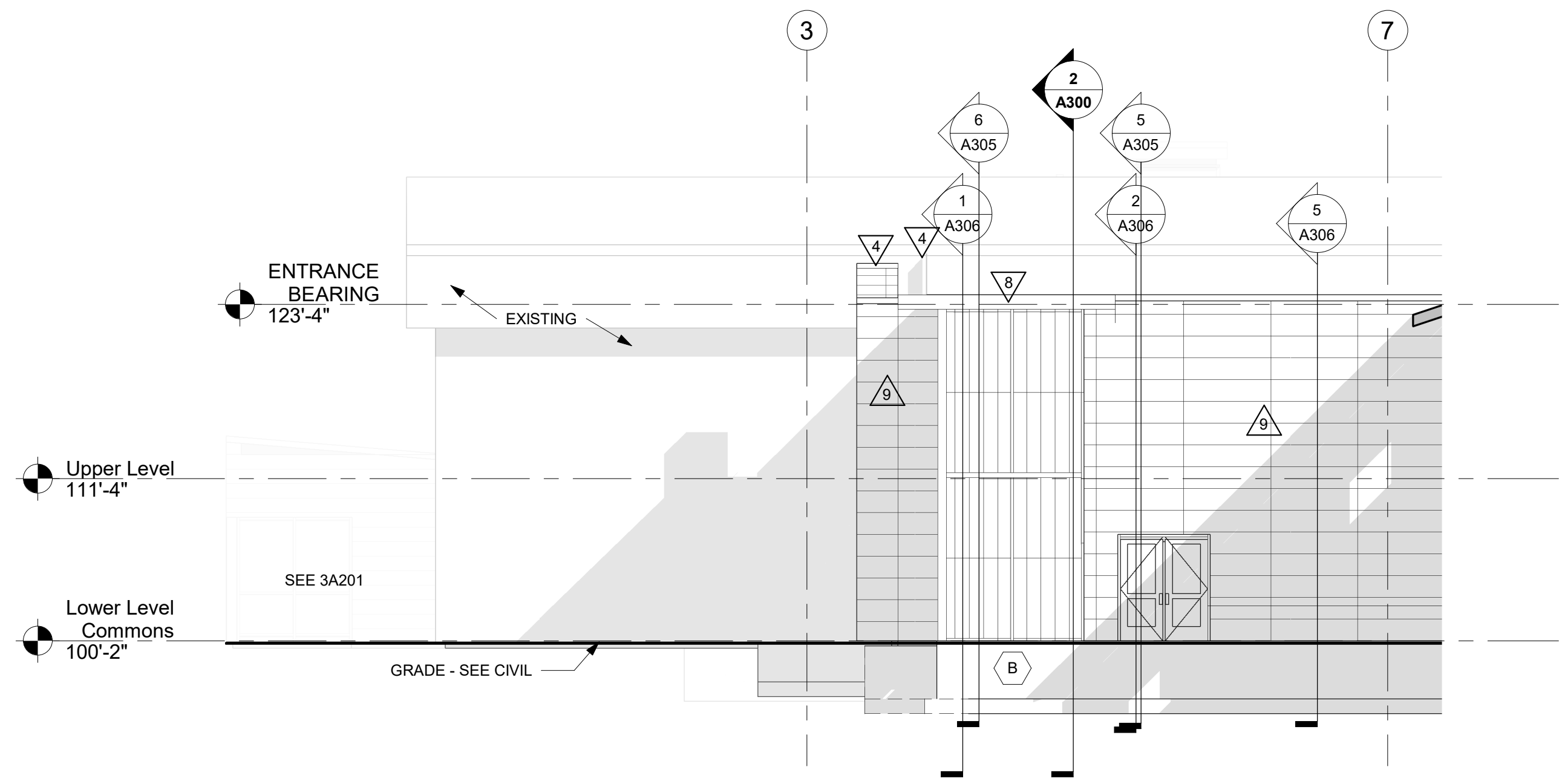
2 EXTERIOR ELEVATION
1/8" = 1'-0"



3 EXTERIOR ELEVATION
1/8" = 1'-0"



4 EXTERIOR ELEVATION
1/8" = 1'-0"



5 EXTERIOR ELEVATION
1/8" = 1'-0"



Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Jim Tompkins
Date: July 9, 2019 Lic. No: 113131

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Christi A.
Date: July 9, 2019 Lic. No: 58867

GENERAL NOTES:

A SEE DETAILS A510 FOR CONTROL JOINT (CJ) AND BRICK CONTROL JOINT (BCJ) INFORMATION.

B BRICK COURSEING: RUNNING BOND TYPICAL.

C SEE SPECIFICATION FOR MATERIAL TYPE.

LEGEND:

△ KEYNOTE TAG

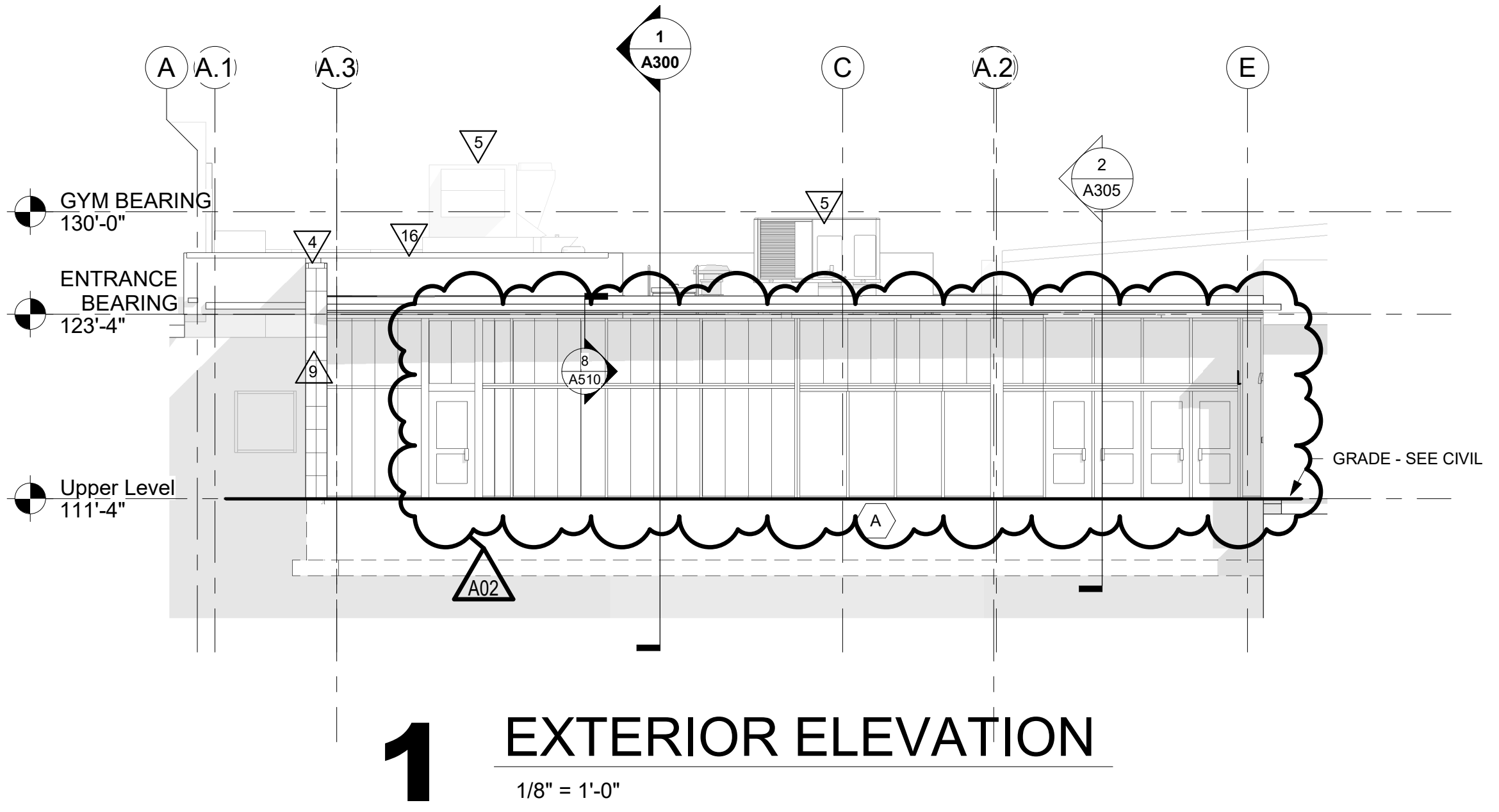
○ WINDOW TAG, SEE SHEET A602 FOR FRAME ELEVATIONS

CJ THROUGH WALL CONTROL JOINT - SEE DETAILS A510

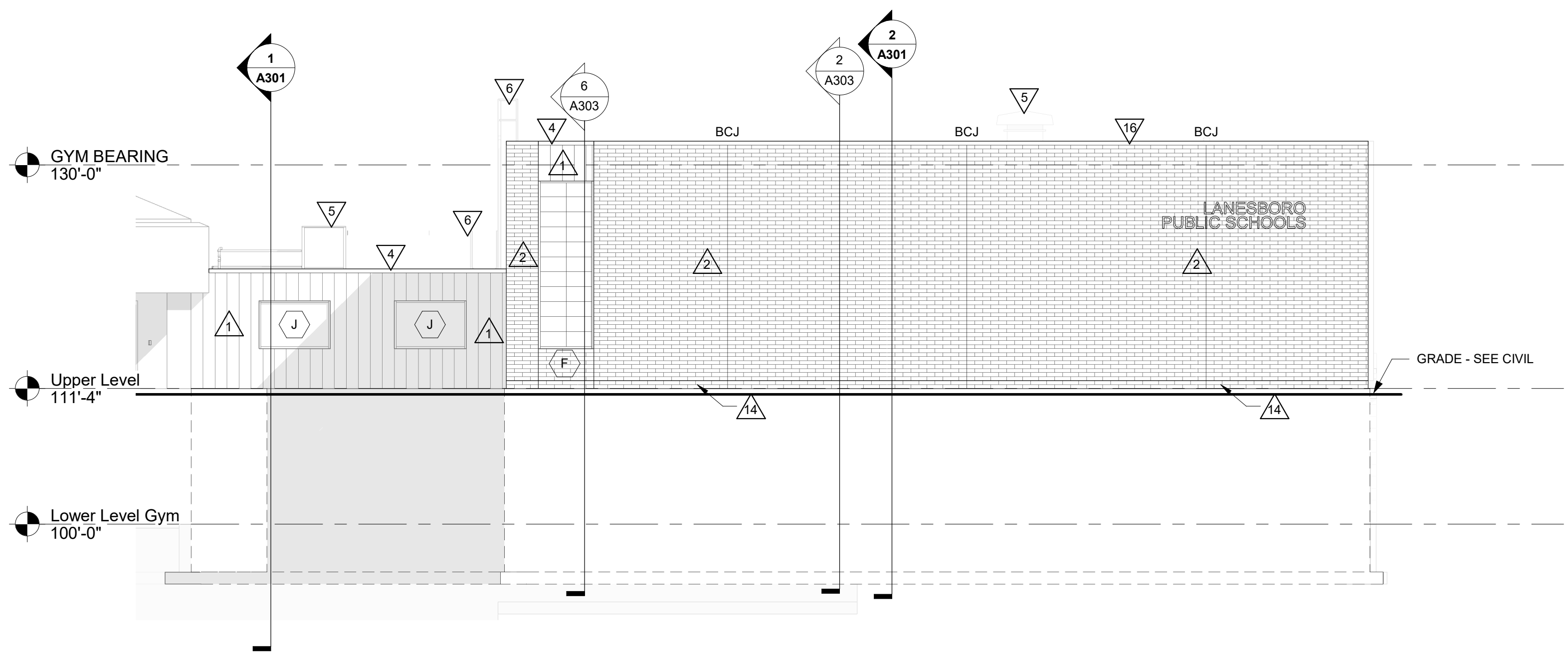
BCJ BRICK VENEER CONTROL JOINT - SEE DETAILS A510

KEY NOTES ELEVATION

- VERTICAL ARCHITECTURAL METAL FLUSH PANEL TYPE 2 - COLOR #1
- BRICK VENEER - LIGHT BROWN
- HORIZONTAL METAL FLUSH PANEL TYPE 2 - COLOR #2
- PRE-FINISHED ALUMINUM CAP TO MATCH METAL PANEL
- MECHANICAL EQUIPMENT - SEE MECH
- ROOF ACCESS LADDER
- MECHANICAL LOUVER - SEE MECH
- PRE-FINISHED METAL FASCIA
- HORIZONTAL CEMENT BOARD PANEL
- OVERFLOW SCUPPER - SEE ROOF PLAN
- CONCRETE PAD - SEE STRUCTURAL
- SPLIT FACE CMU
- BRICK VENEER - TAN
- PRE-FINISHED ALUMINUM CAP
- ALTERNATE BID WINDOW ADJUST BCJ LOCATIONS AS NECESSARY



1 EXTERIOR ELEVATION
1/8" = 1'-0"



2 EXTERIOR ELEVATION
1/8" = 1'-0"

Project Title: **LANESBORO PUBLIC SCHOOLS ADDITION & REMODEL - REBID ELEVATIONS**

Project Location: **204 KIRKWOOD ST EAST LANESBORO, MN 55949**

Sheet Title: **ELEVATIONS**

HSR Project Number: **18063**

Project Date: **9-26-19**

Drawn By: **TBS/SRW**

Key Plan:

Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update: **10/10/2019 10:16:36 AM**

A202



Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Jim Tompke
Date: July 9, 2019 Lic. No. 11311
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Paul A. [Signature]
Date: July 9, 2019 Lic. No. 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

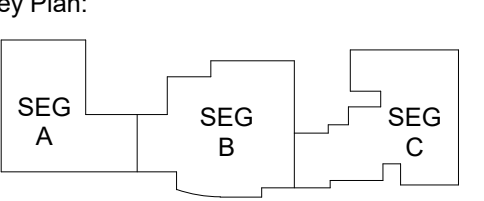
**LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID**
Project Title: 204 KIRKWOOD ST EAST
Location: LANESBORO, MN 55949
Sheet Title: WALL SECTIONS

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: TBS/SRW

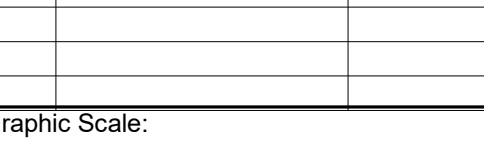
Key Plan:



KEY PLAN

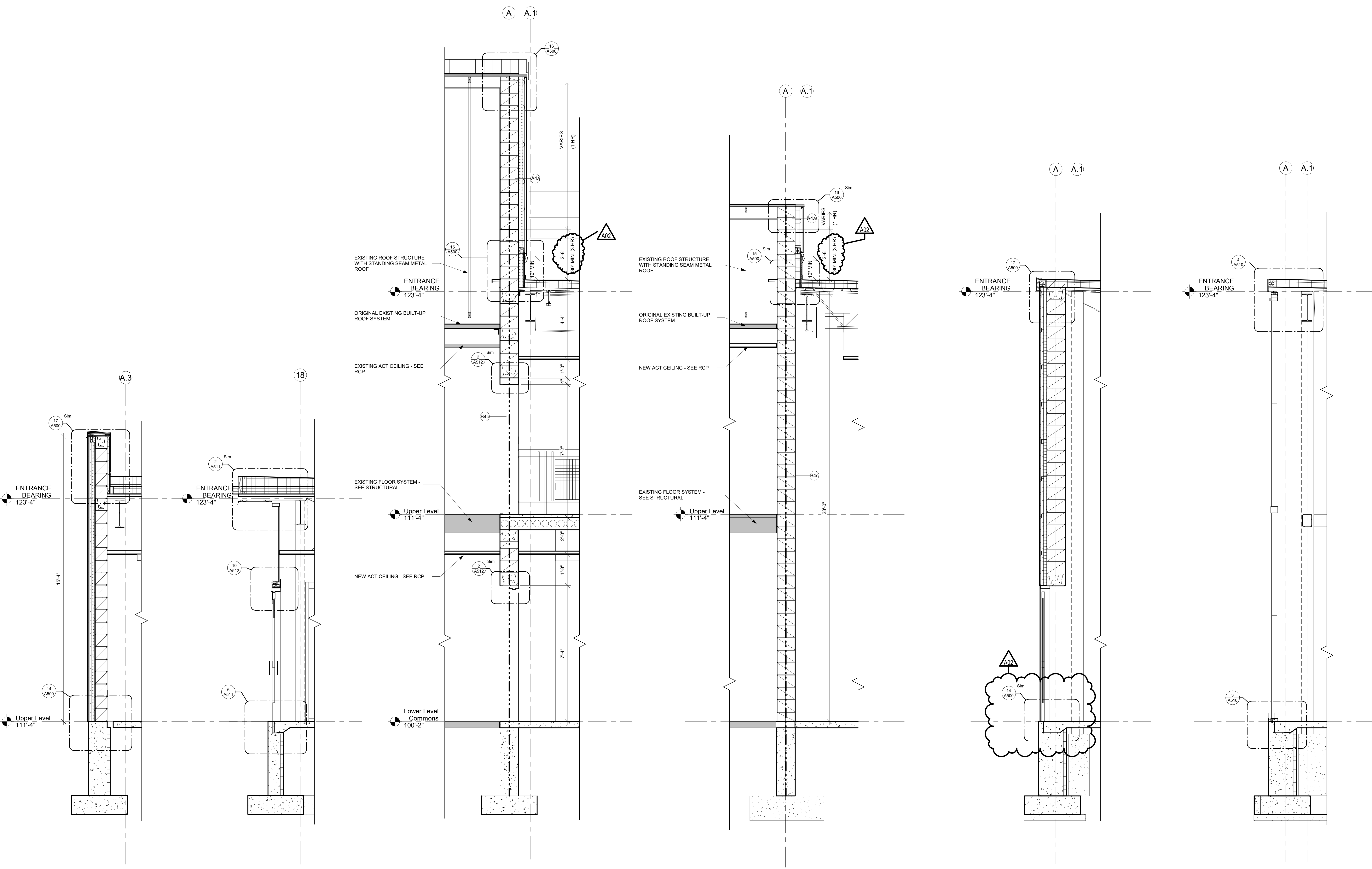
No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:



Last Update: 10/10/2019 10:16:40 AM

A305



1 WALL SECTION 1/2" = 1'-0"
2 WALL SECTION 1/2" = 1'-0"
3 WALL SECTION 1/2" = 1'-0"
4 WALL SECTION 1/2" = 1'-0"
5 WALL SECTION 1/2" = 1'-0"
6 WALL SECTION 1/2" = 1'-0"



Consultant:

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.

Jim Tompkins
Date: July 9, 2019 Lic. No.: 11311
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.

Chris A.
Date: July 9, 2019 Lic. No.: 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - RBID

204 KIRKWOOD ST EAST
LANESBORO, MN 55949

WALL SECTIONS

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - RBID

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: TBS/SRW

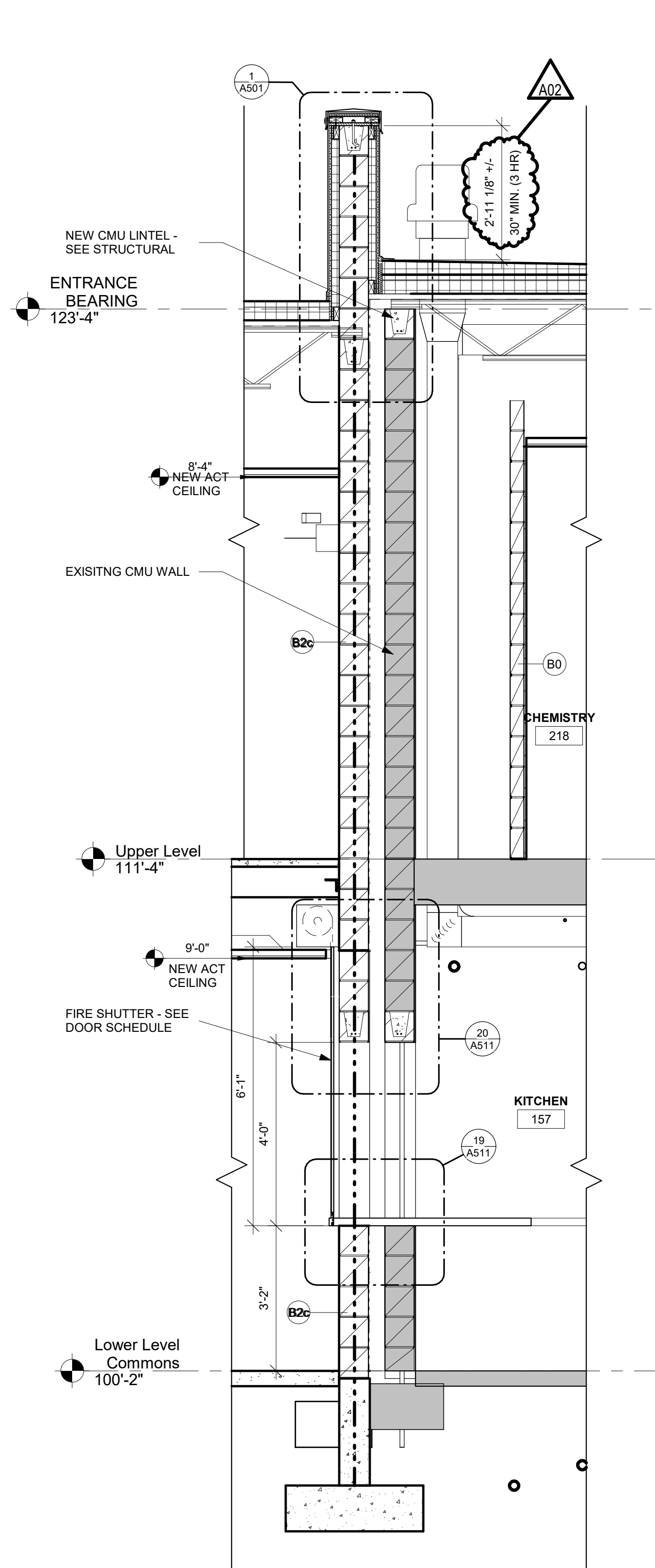
Key Plan:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

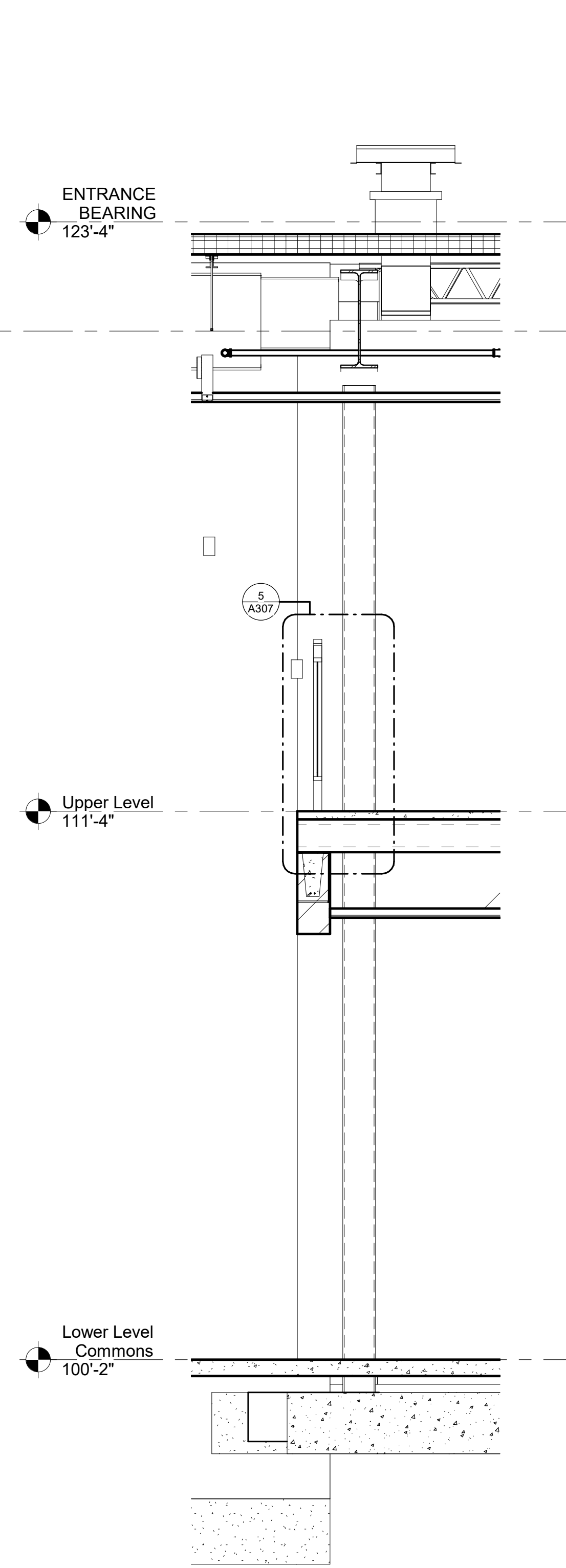
Graphic Scale: VARIES

Last Update: 10/10/2019 10:16:41 AM

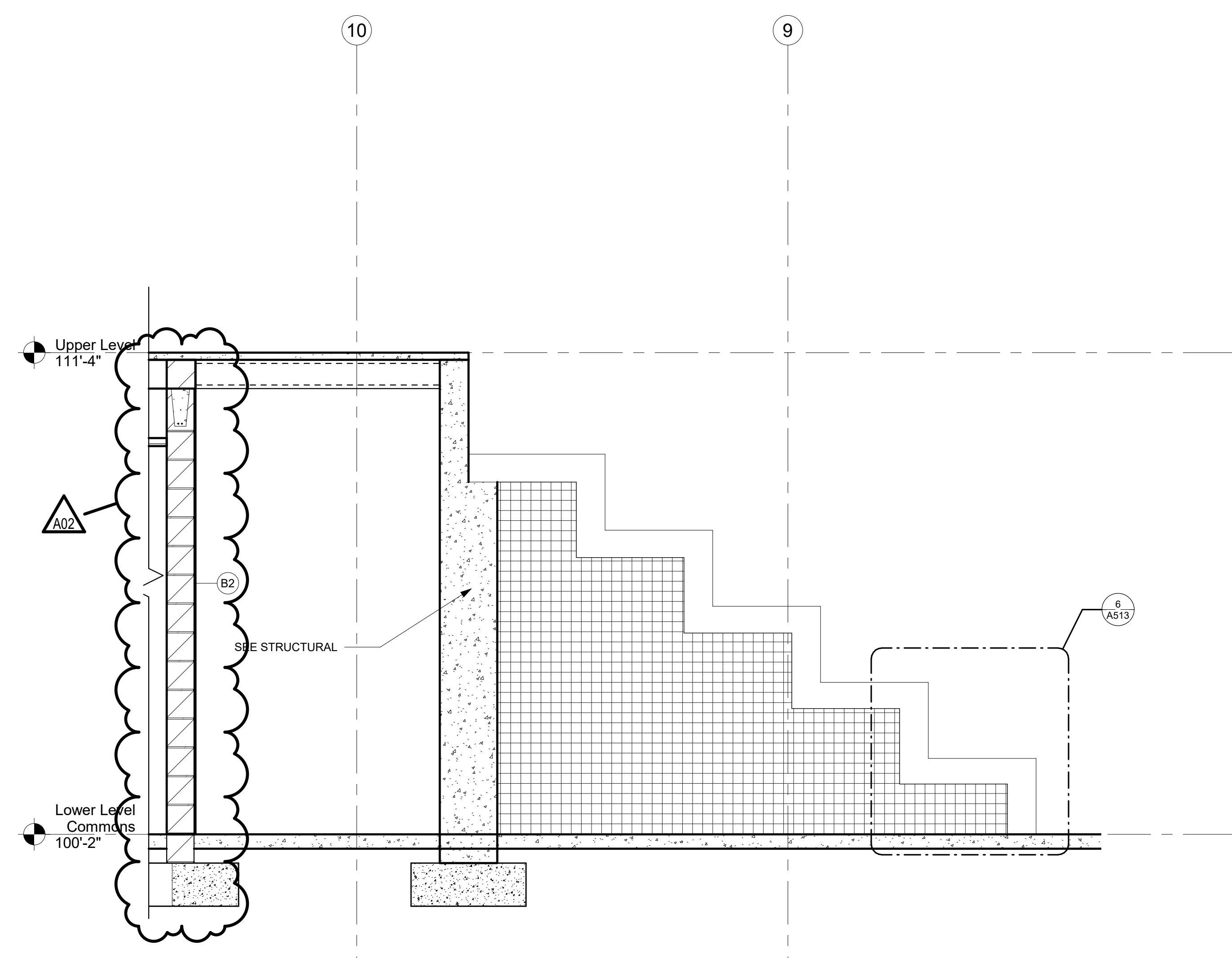
A307



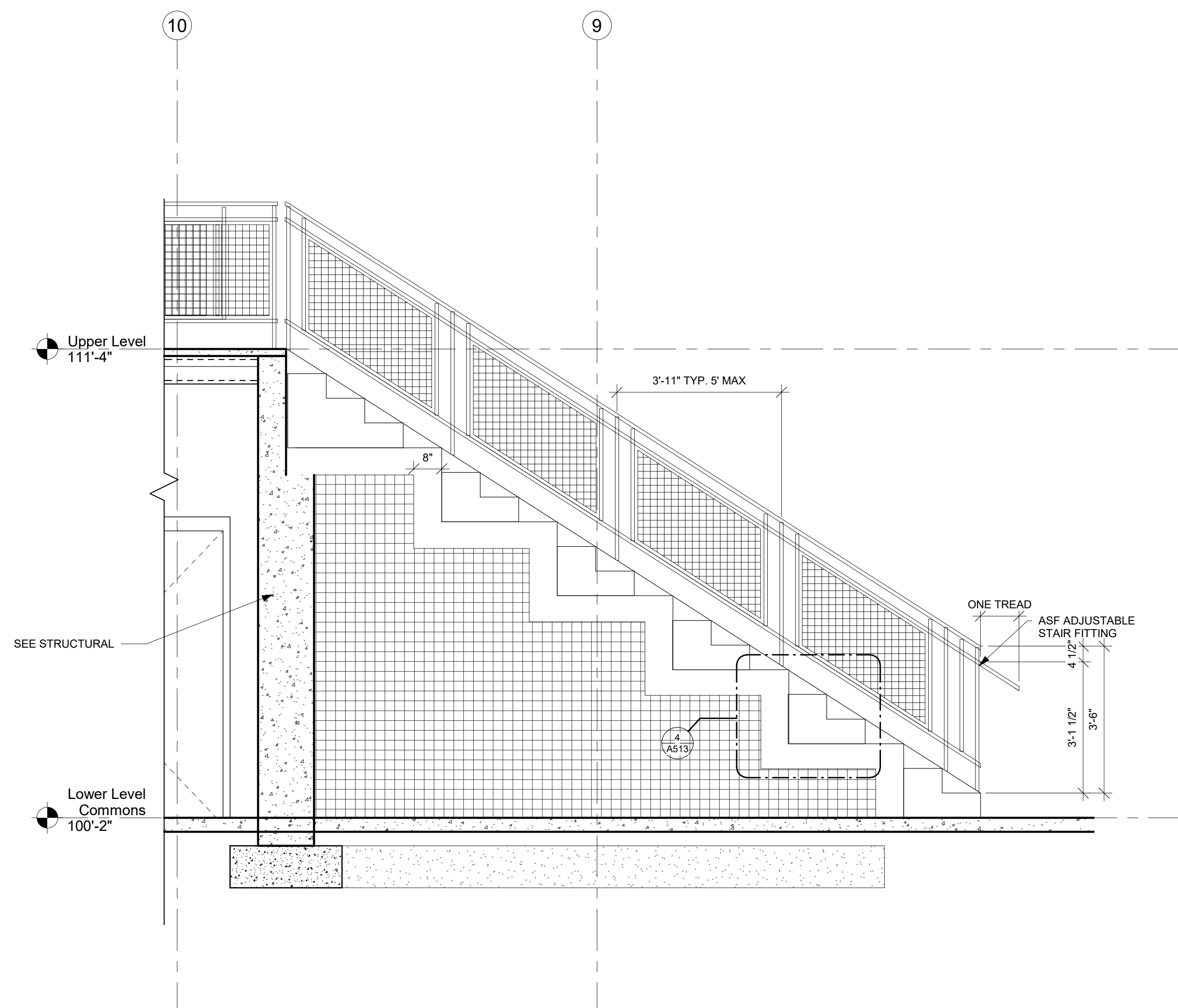
1 WALL SECTION
1/2" = 1'-0"



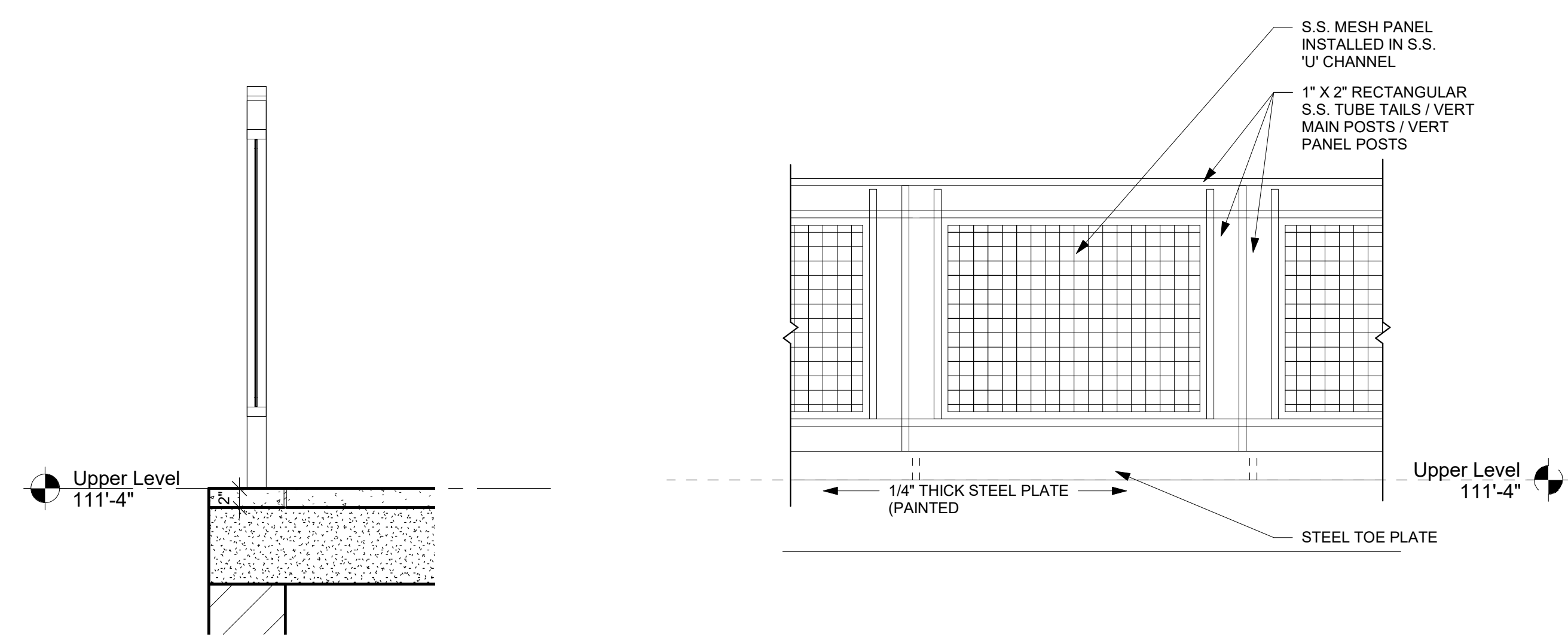
2 BUILDING SECTION
1/2" = 1'-0"



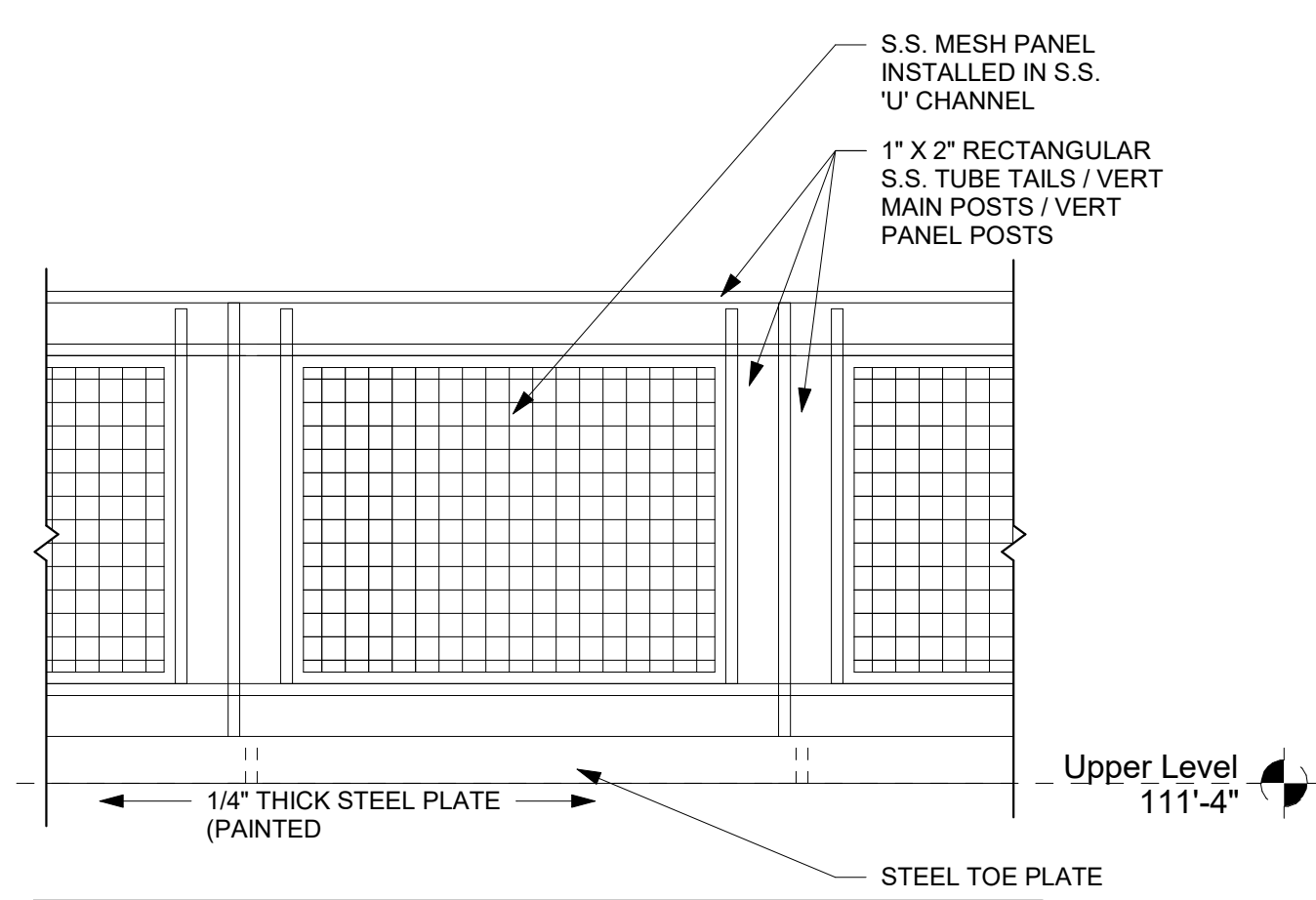
3 STAIR SECTION
1/2" = 1'-0"



4 STAIR SECTION
1/2" = 1'-0"



5 RAILING SECTION
1" = 1'-0"



6 RAILING DETAIL
3/4" = 1'-0"



Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.

Fin Temple
Date: July 9, 2019 Lic No: 11311
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.

Quill Co
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

Sheet Title: WALL SECTIONS

HSR Project Number: 18063

Project Date: 9-26-19

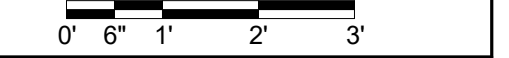
Drawn By: TBS/SRW

Key Plan:

Revisions:

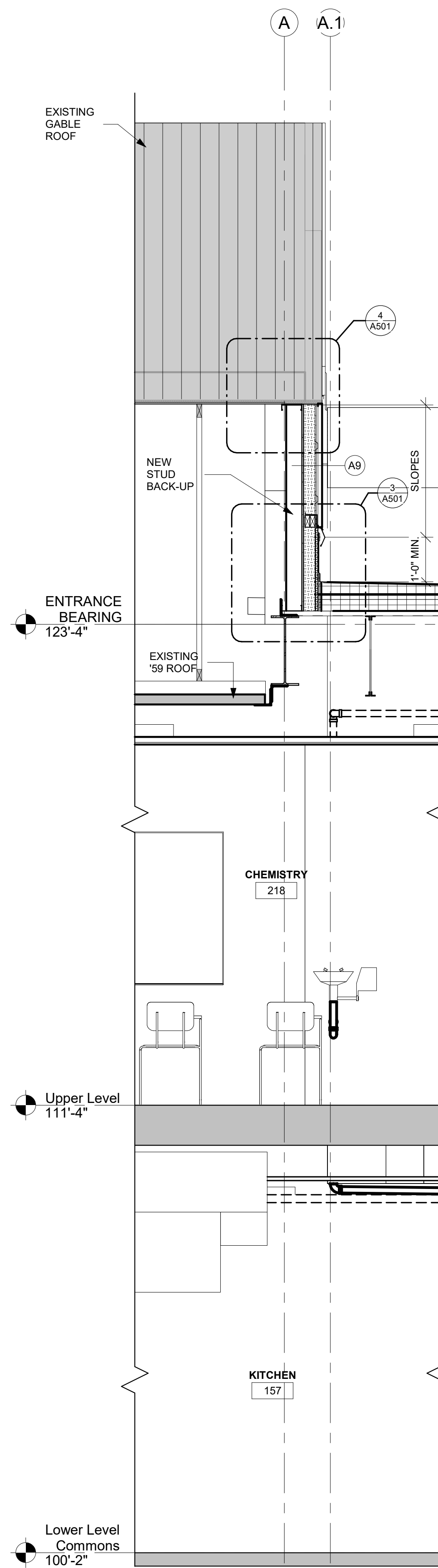
No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:

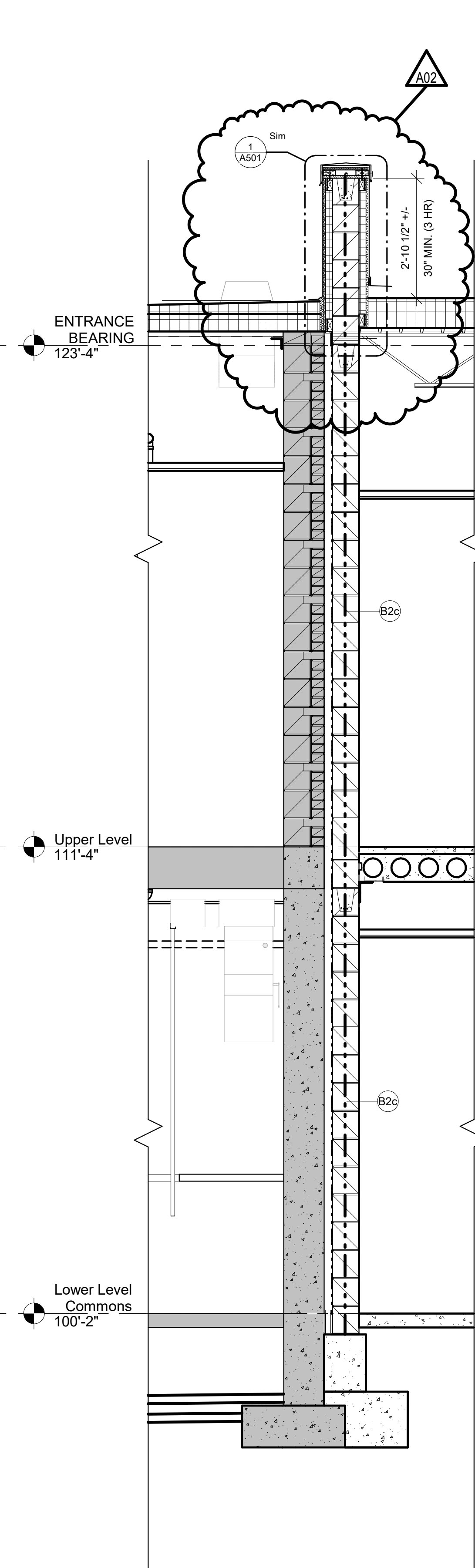


Last Update: 10/10/2019 10:16:44 AM

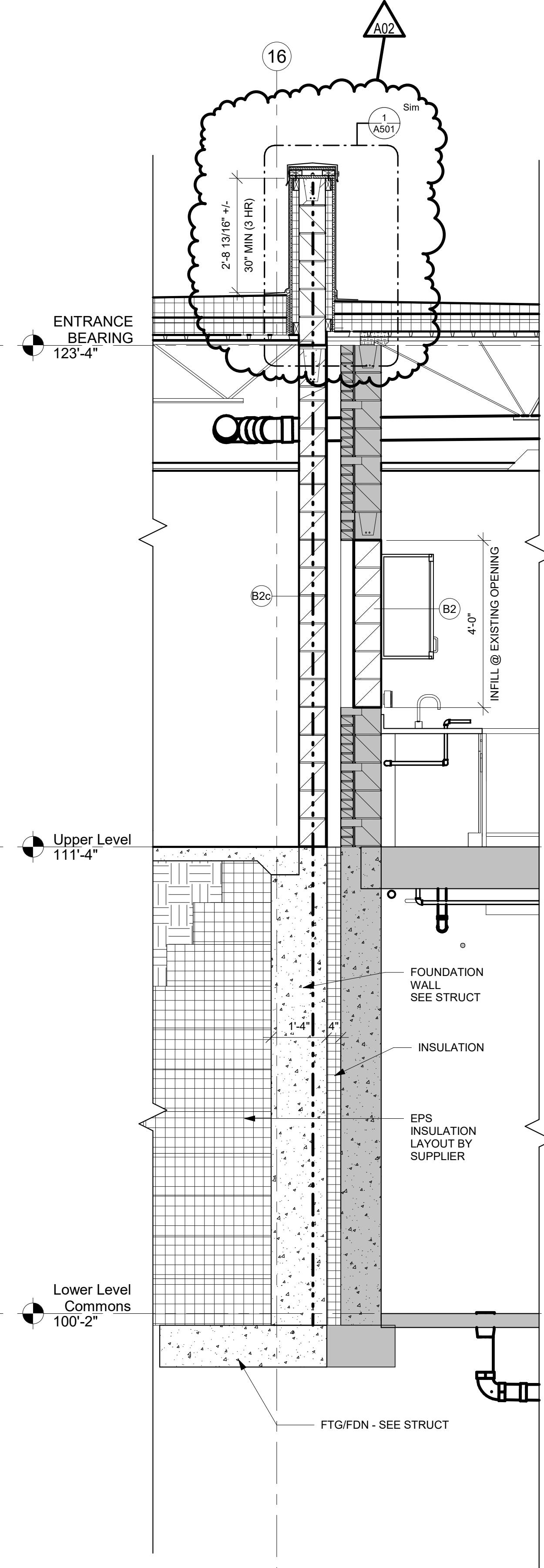
A308



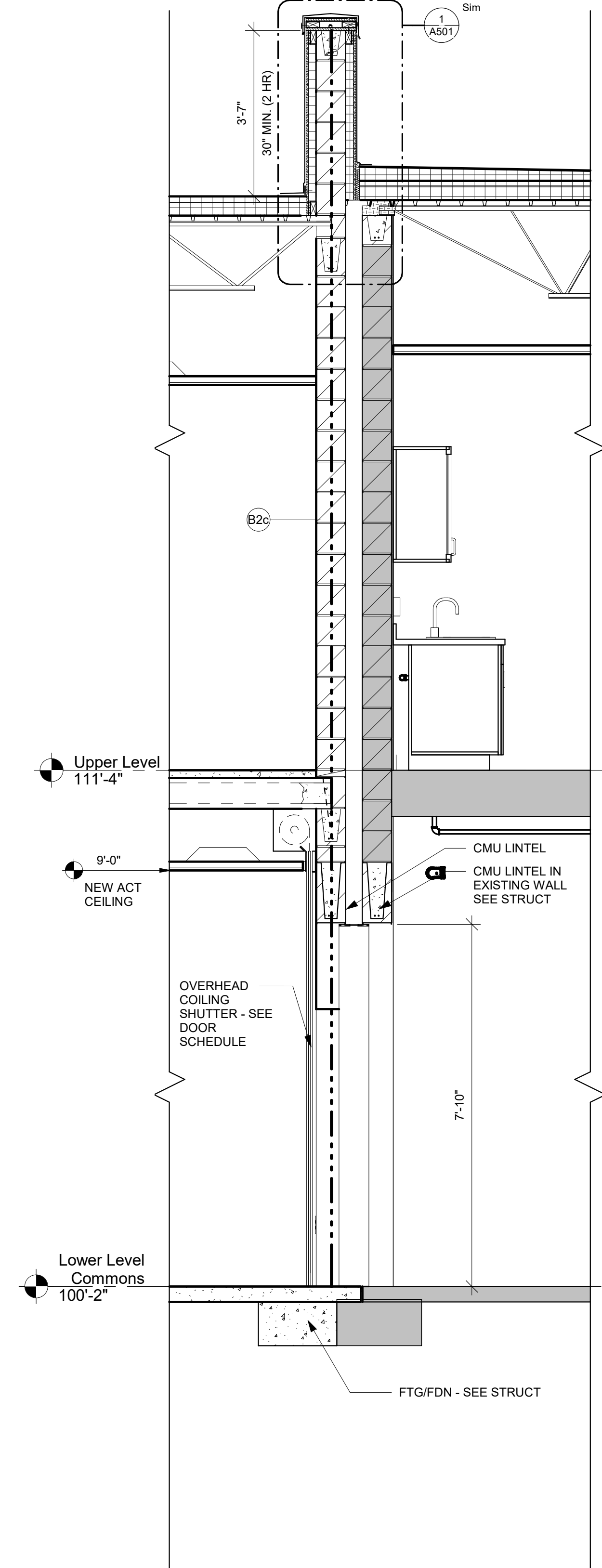
1 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"



3 WALL SECTION
1/2" = 1'-0"



4 WALL SECTION
1/2" = 1'-0"



Consultant:

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 10311
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID

204 KIRKWOOD ST EAST
LANESBORO, MN 55949

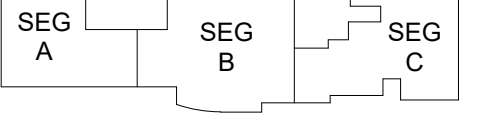
SECTION DETAILS

Project Title: HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: HSR

Key Plan:

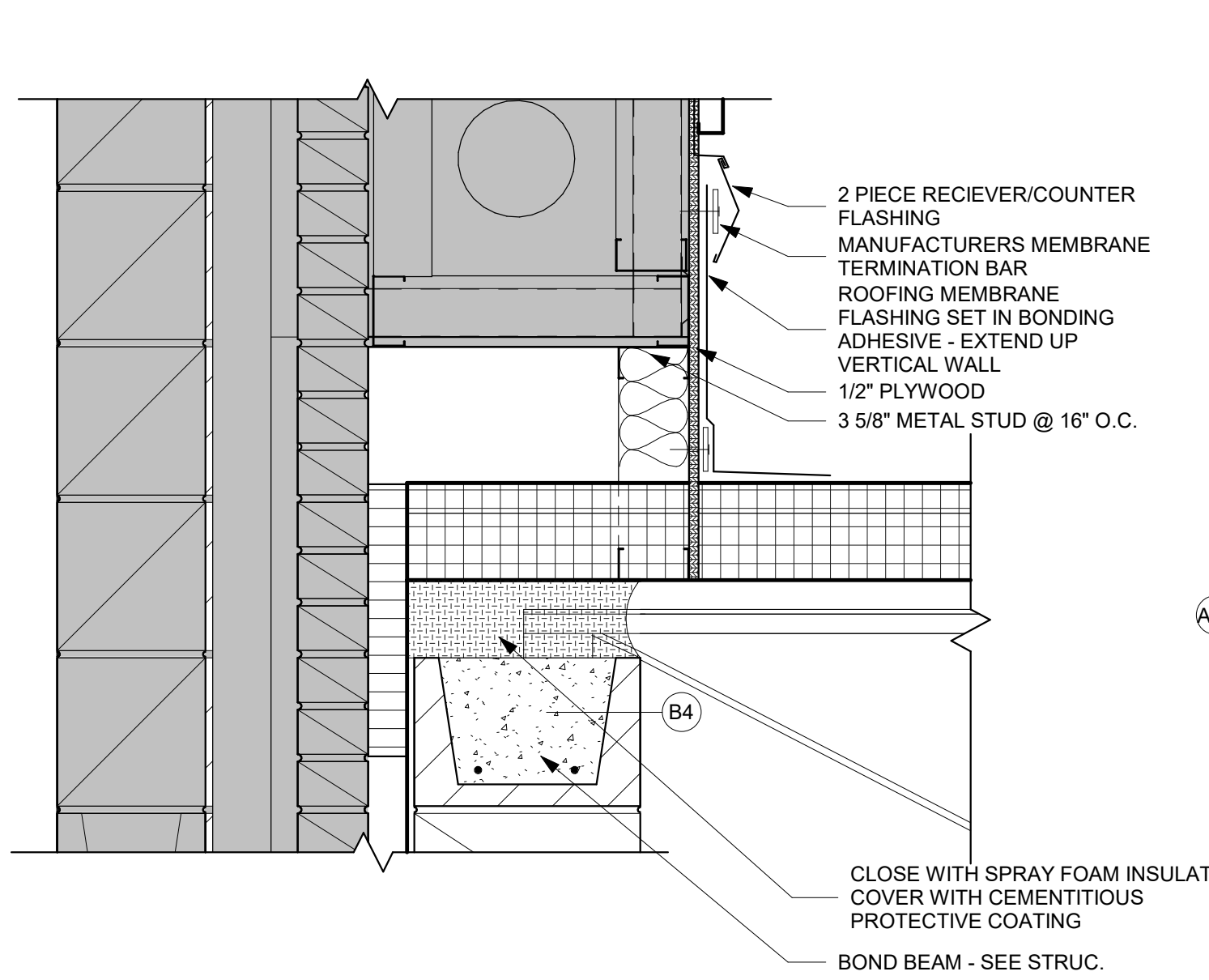


KEY PLAN

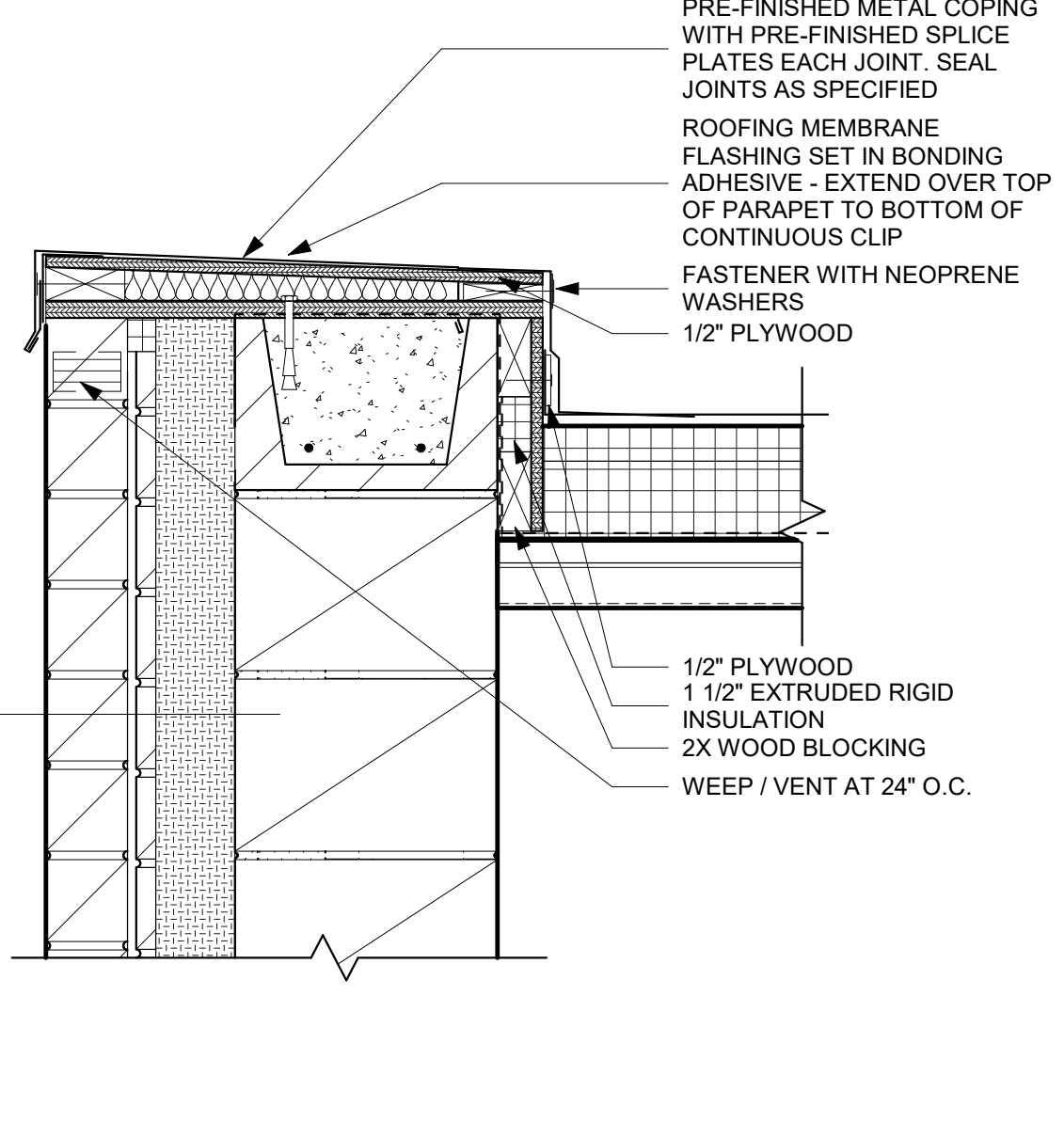
No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: VARIES

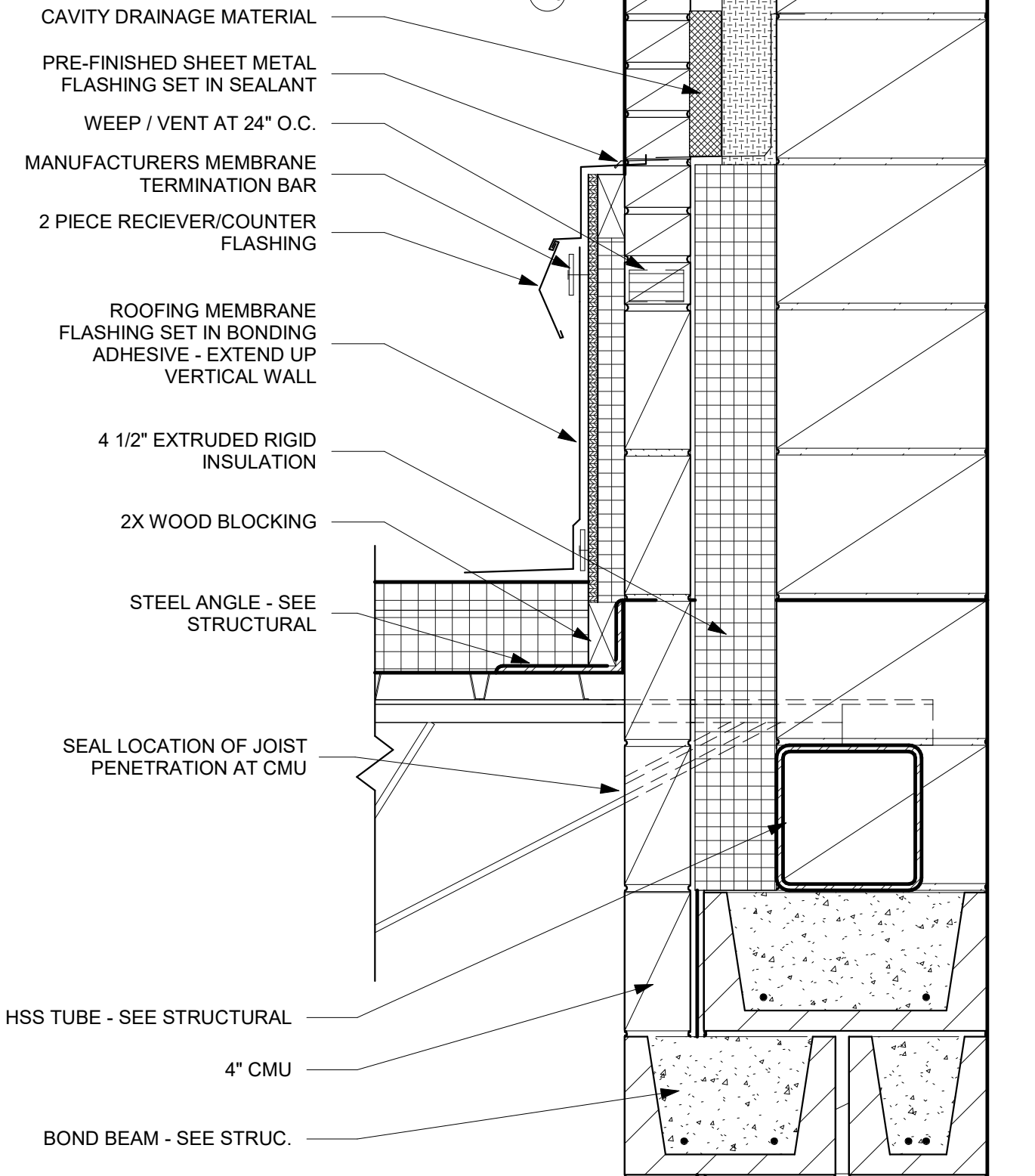
Last Update: 10/10/2019 10:50:43 AM



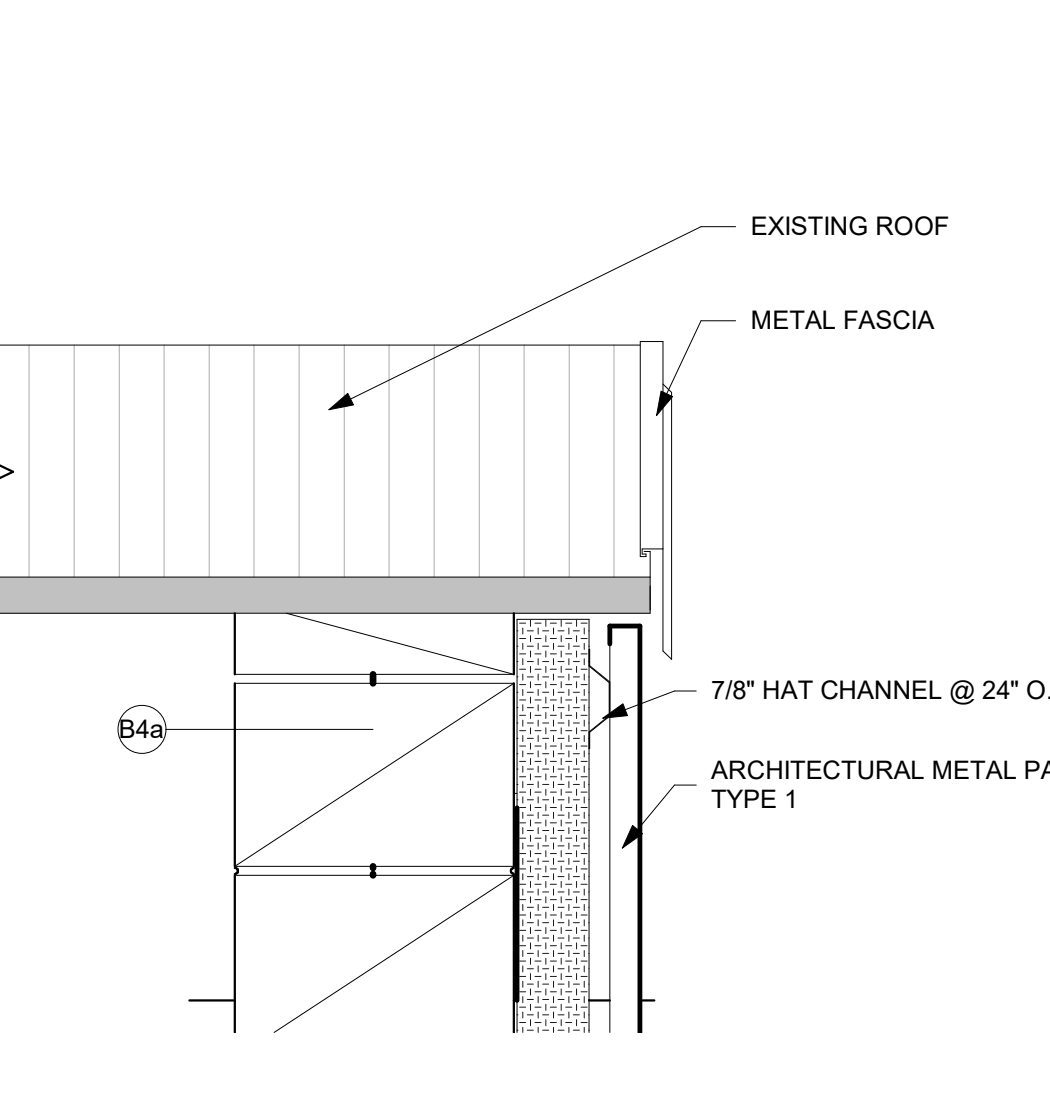
4 WALL DETAIL
1 1/2" = 1'-0"



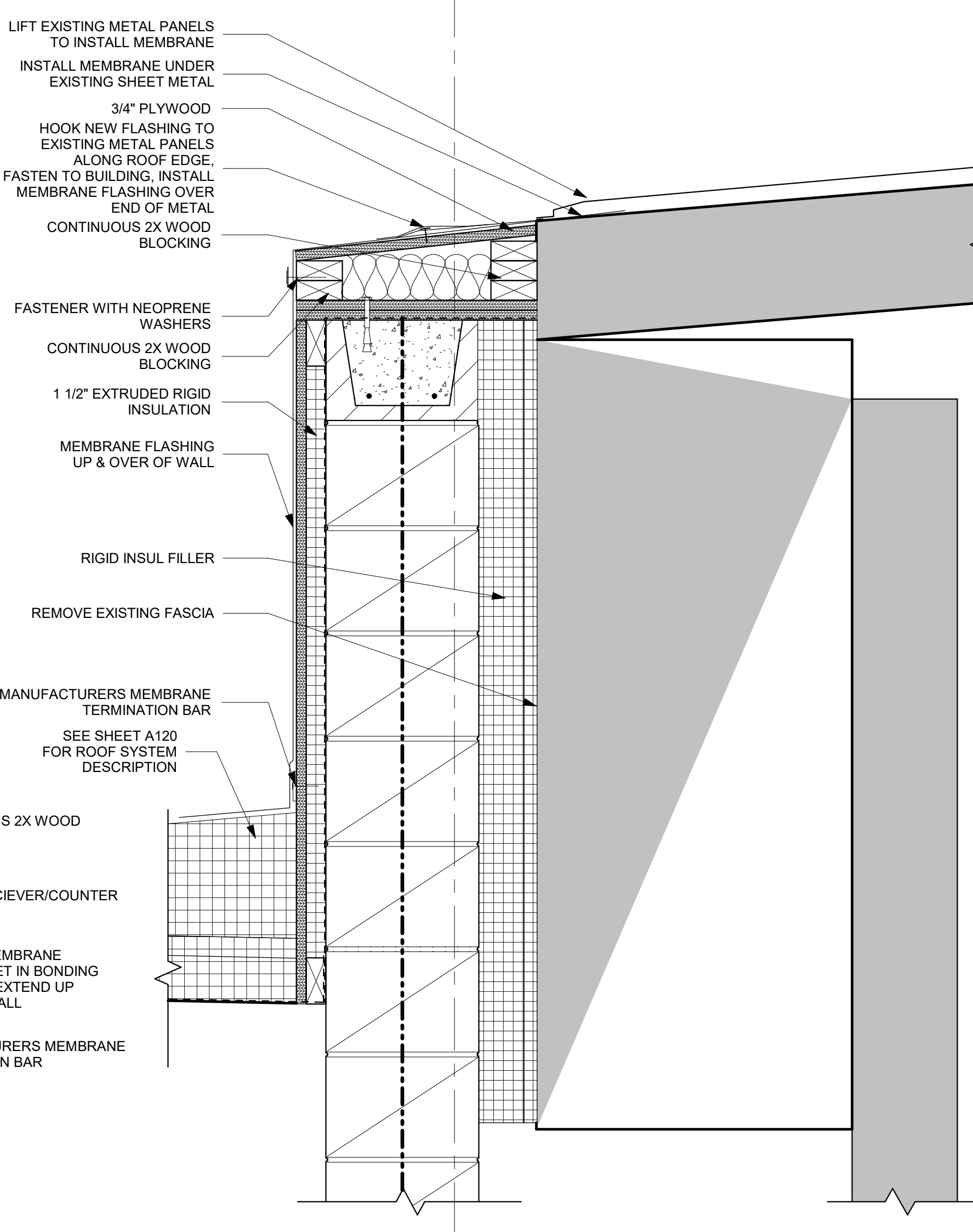
8 WALL DETAIL
1 1/2" = 1'-0"



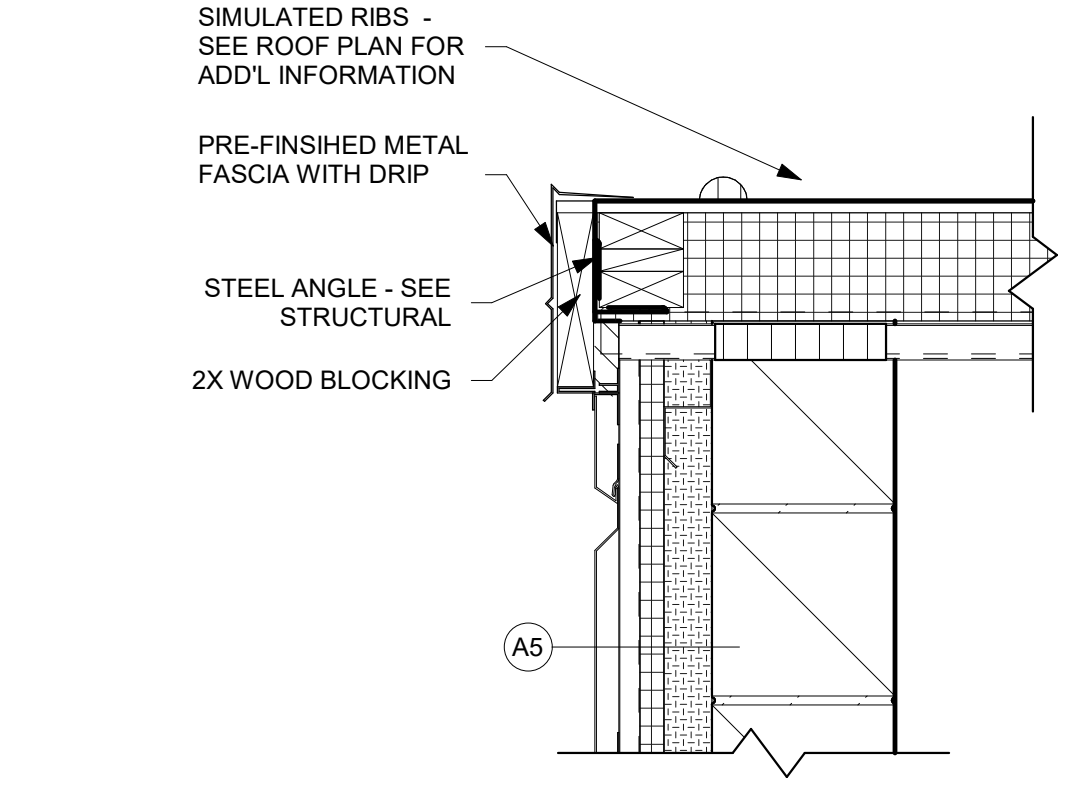
12 WALL DETAIL
1 1/2" = 1'-0"



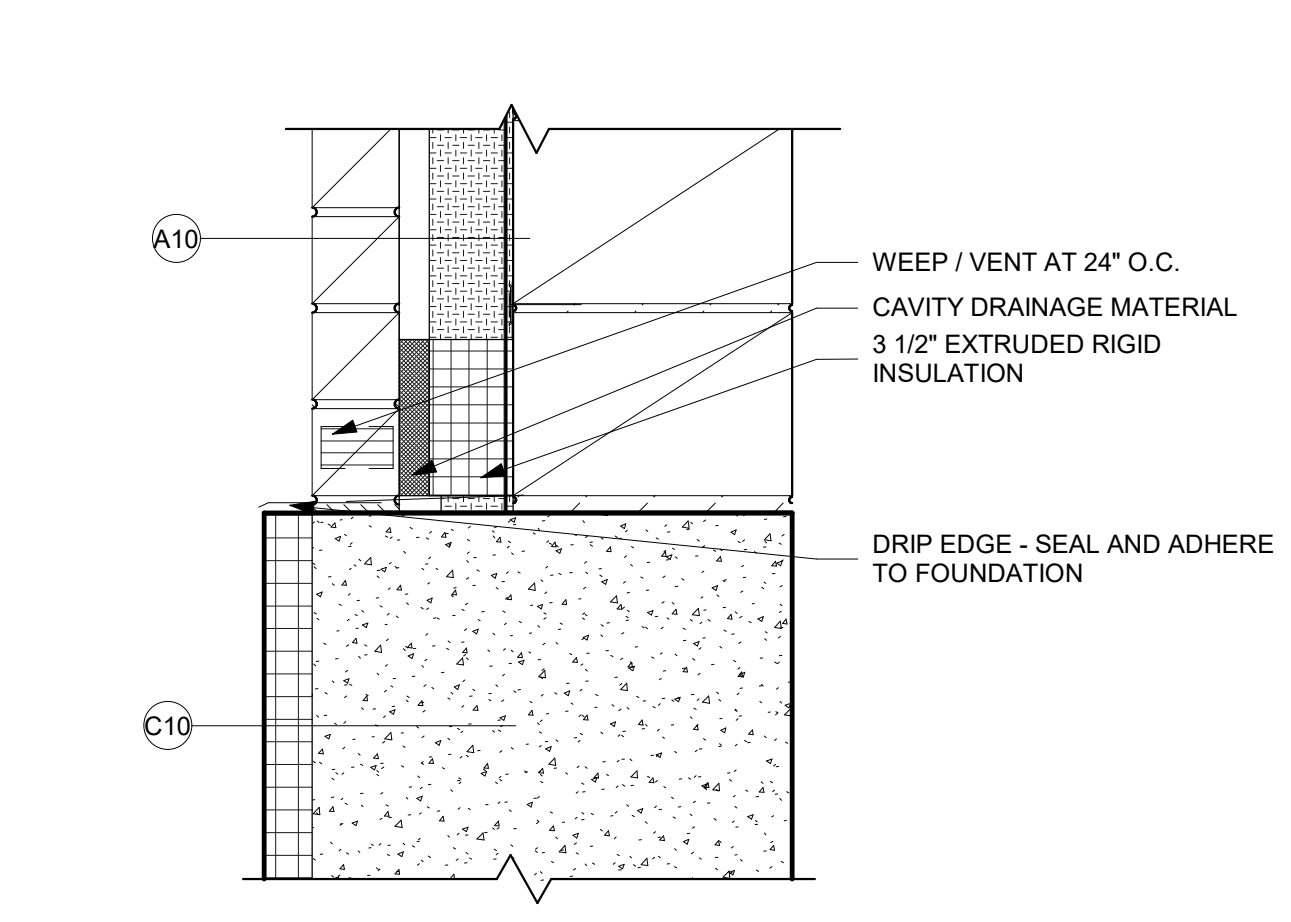
16 WALL DETAIL
1 1/2" = 1'-0"



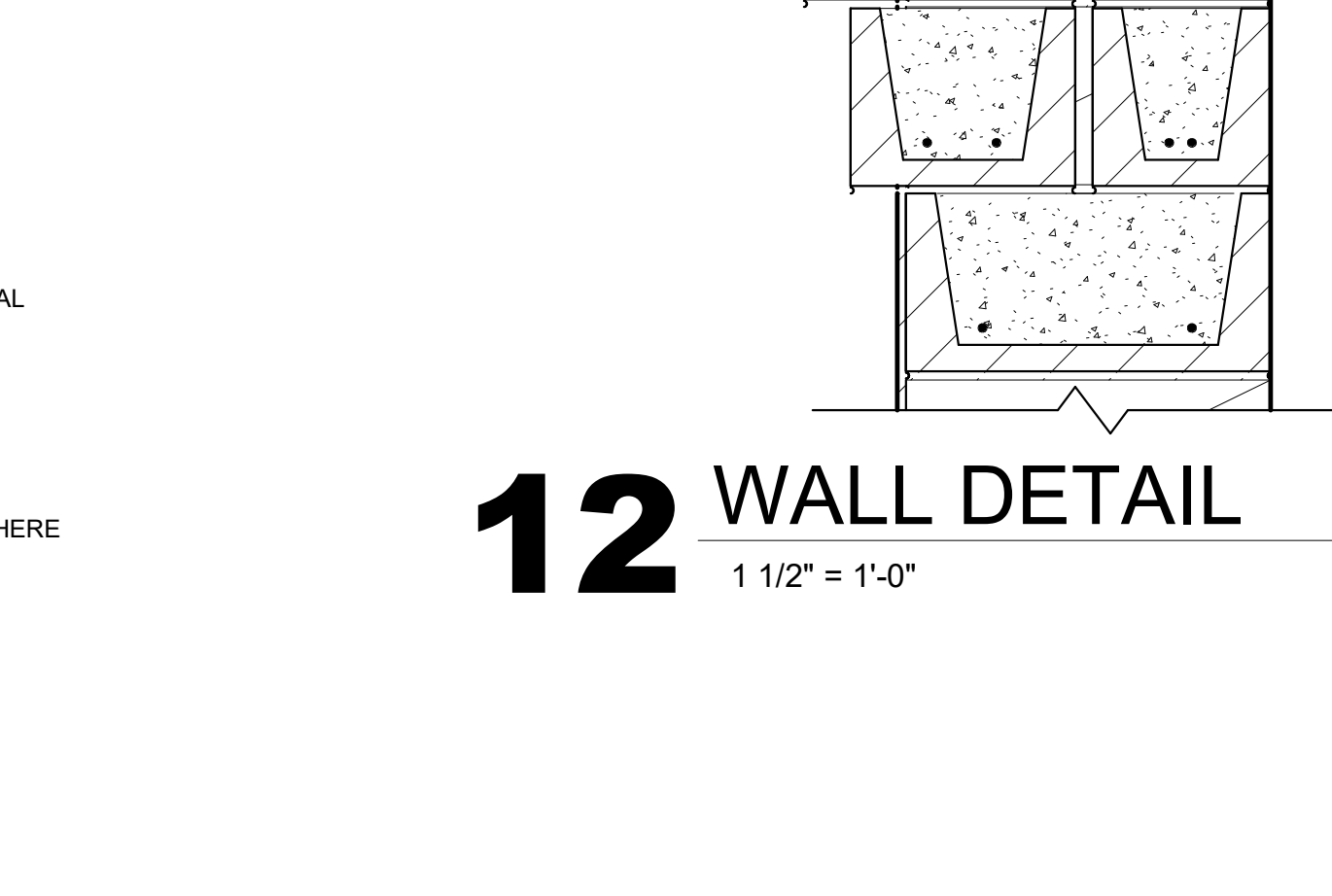
19 WALL DETAIL
1 1/2" = 1'-0"



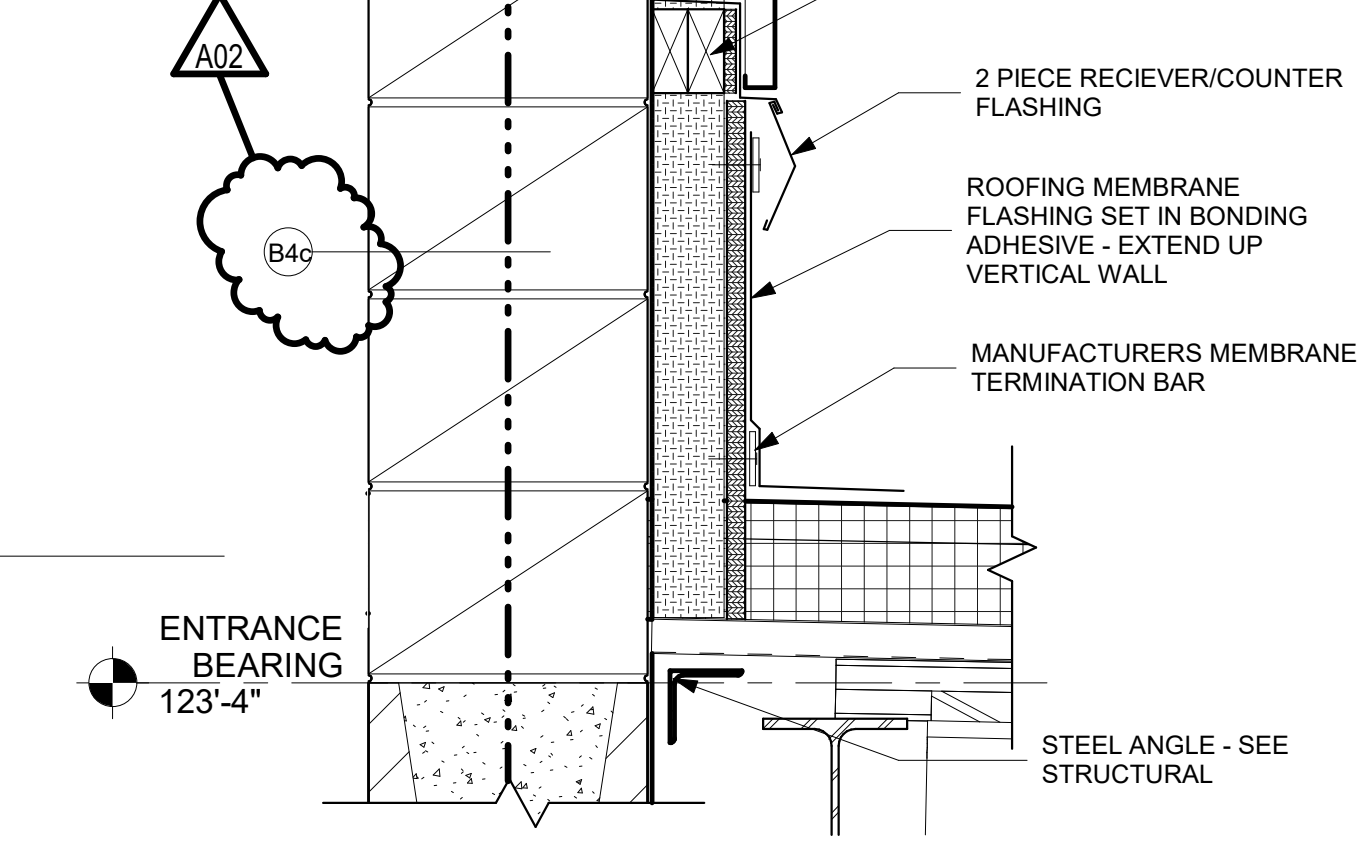
3 WALL DETAIL
1 1/2" = 1'-0"



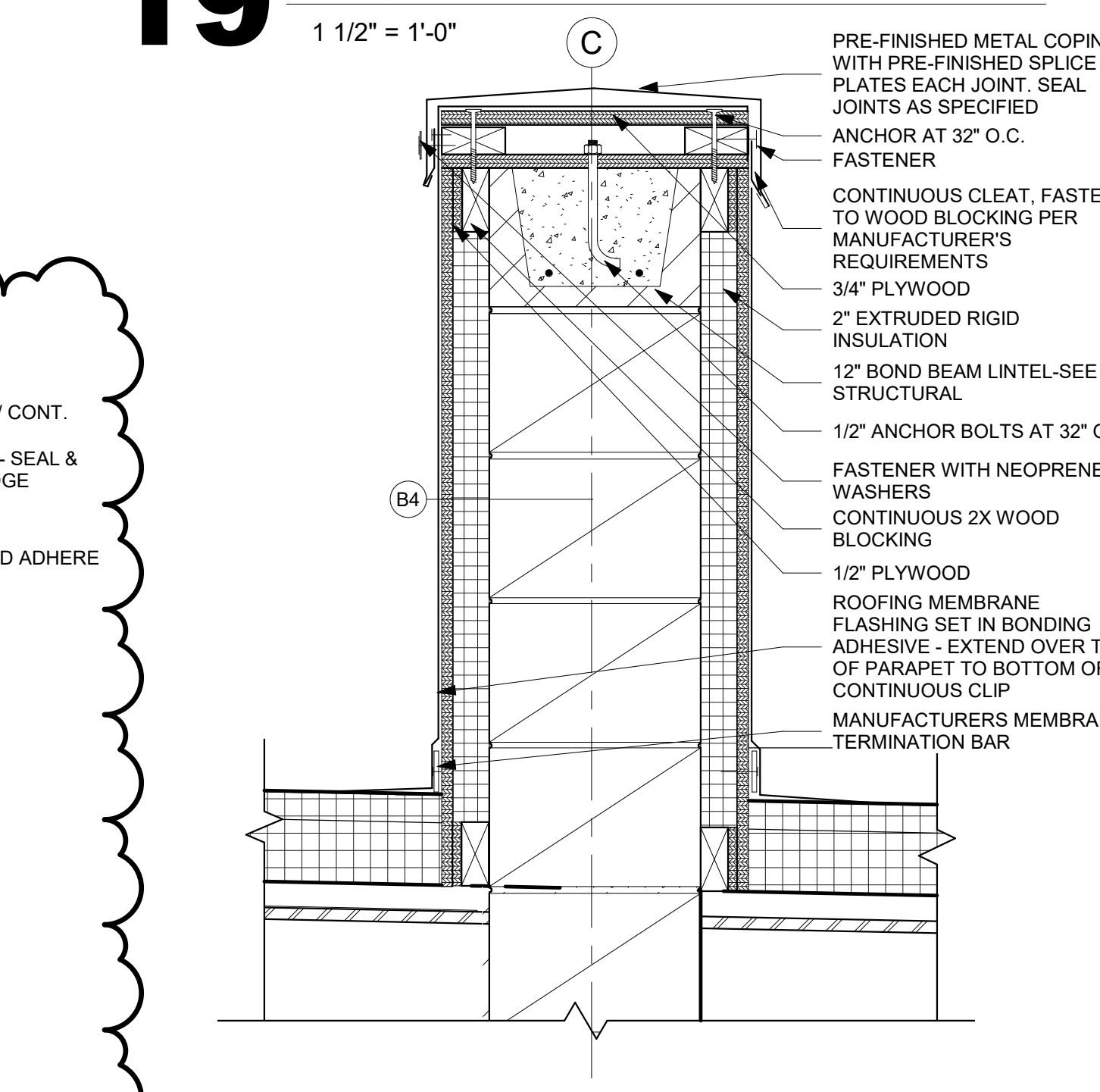
7 WALL DETAIL
1 1/2" = 1'-0"



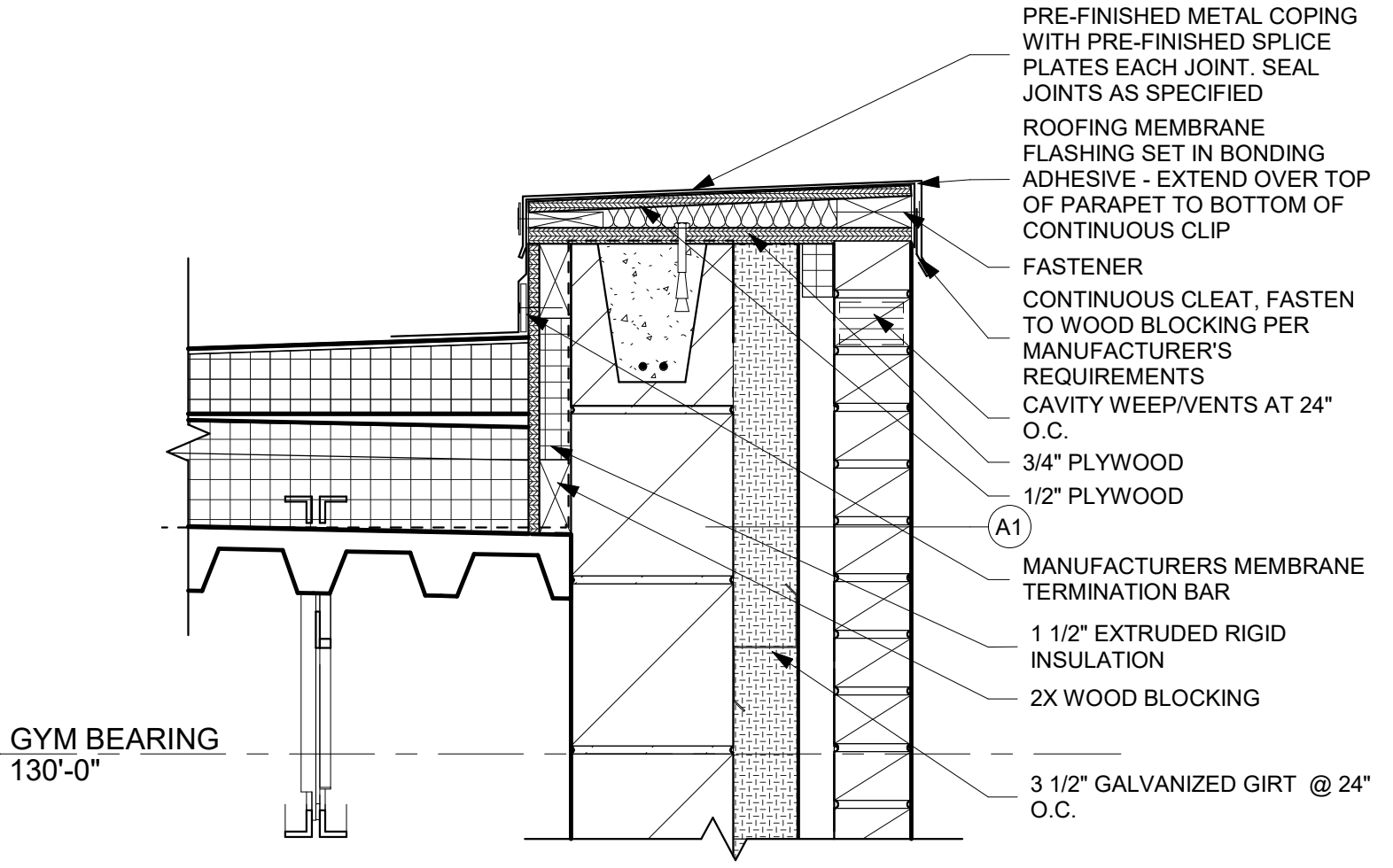
11A500 NOT USED



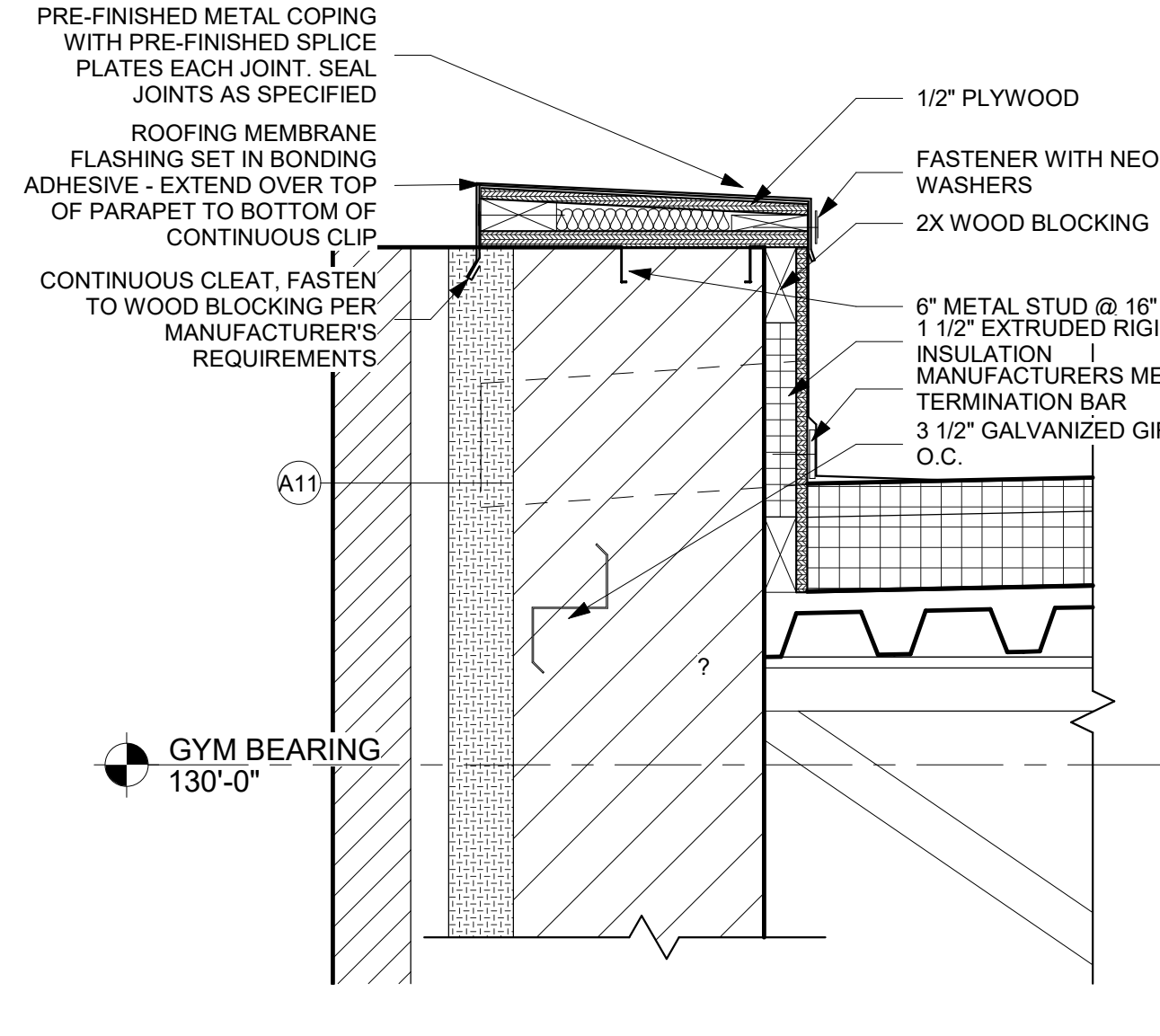
15 WALL DETAIL
1 1/2" = 1'-0"



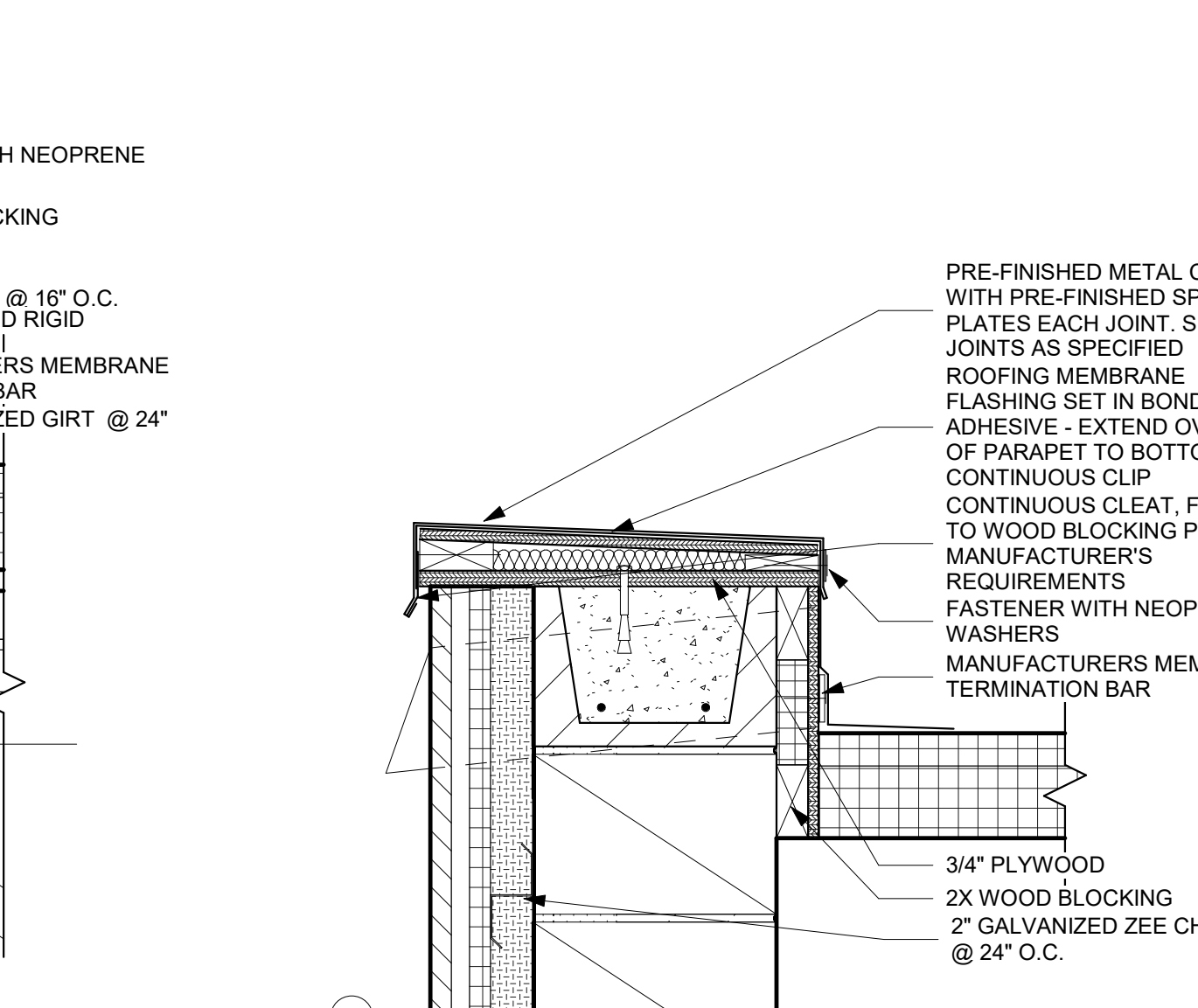
18 WALL DETAIL
1 1/2" = 1'-0"



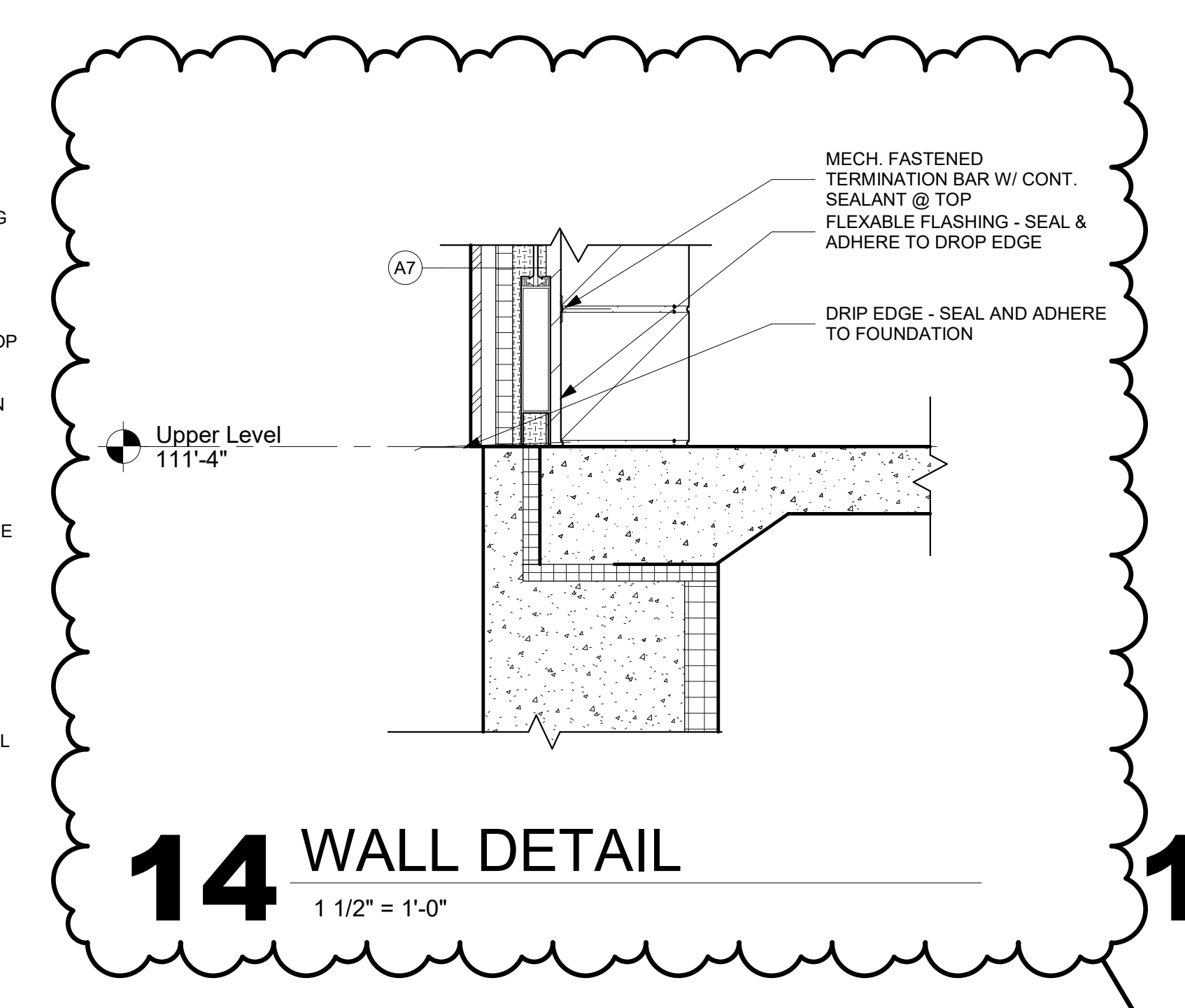
2 WALL DETAIL
1 1/2" = 1'-0"



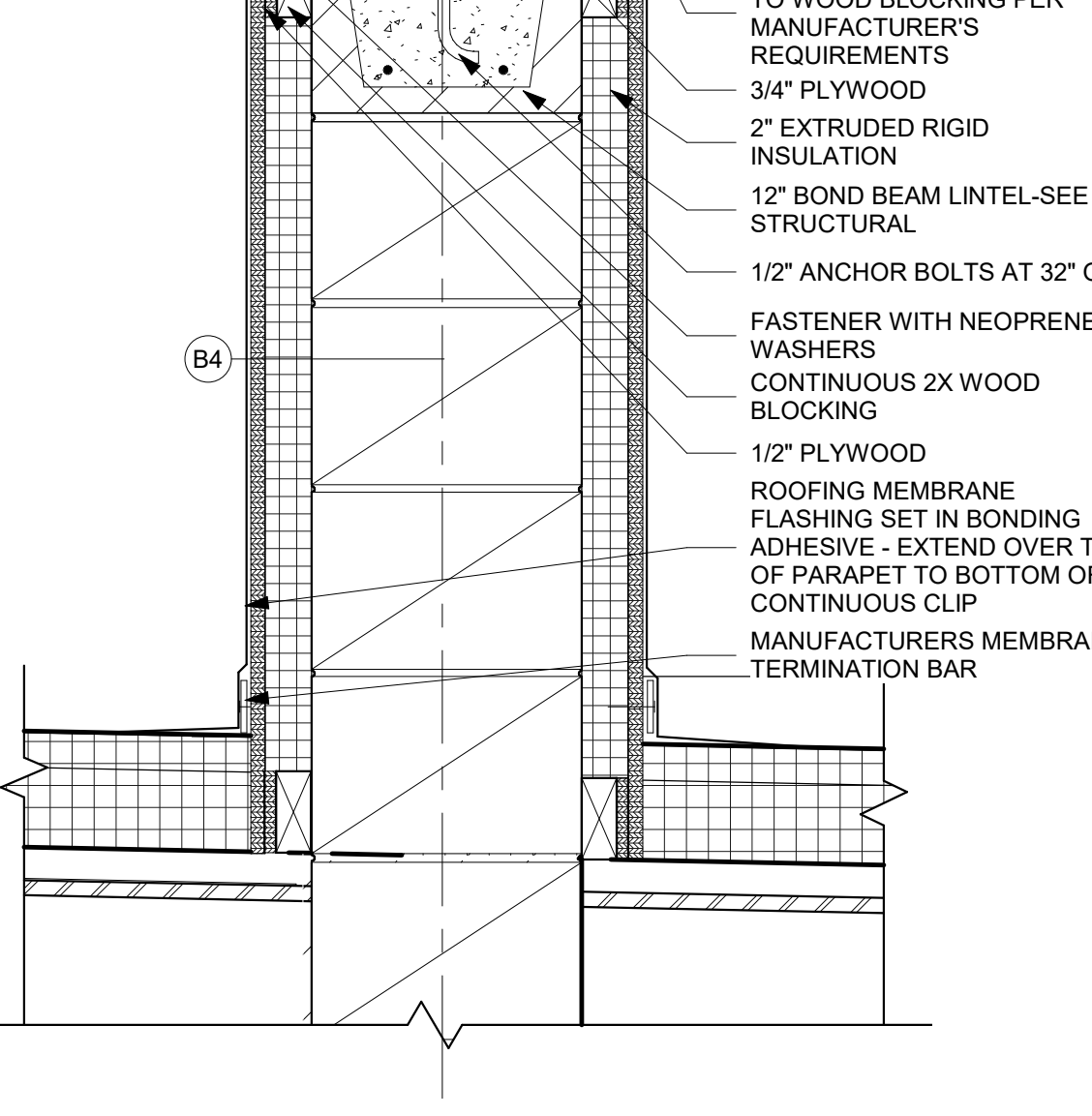
6 WALL DETAIL
1 1/2" = 1'-0"



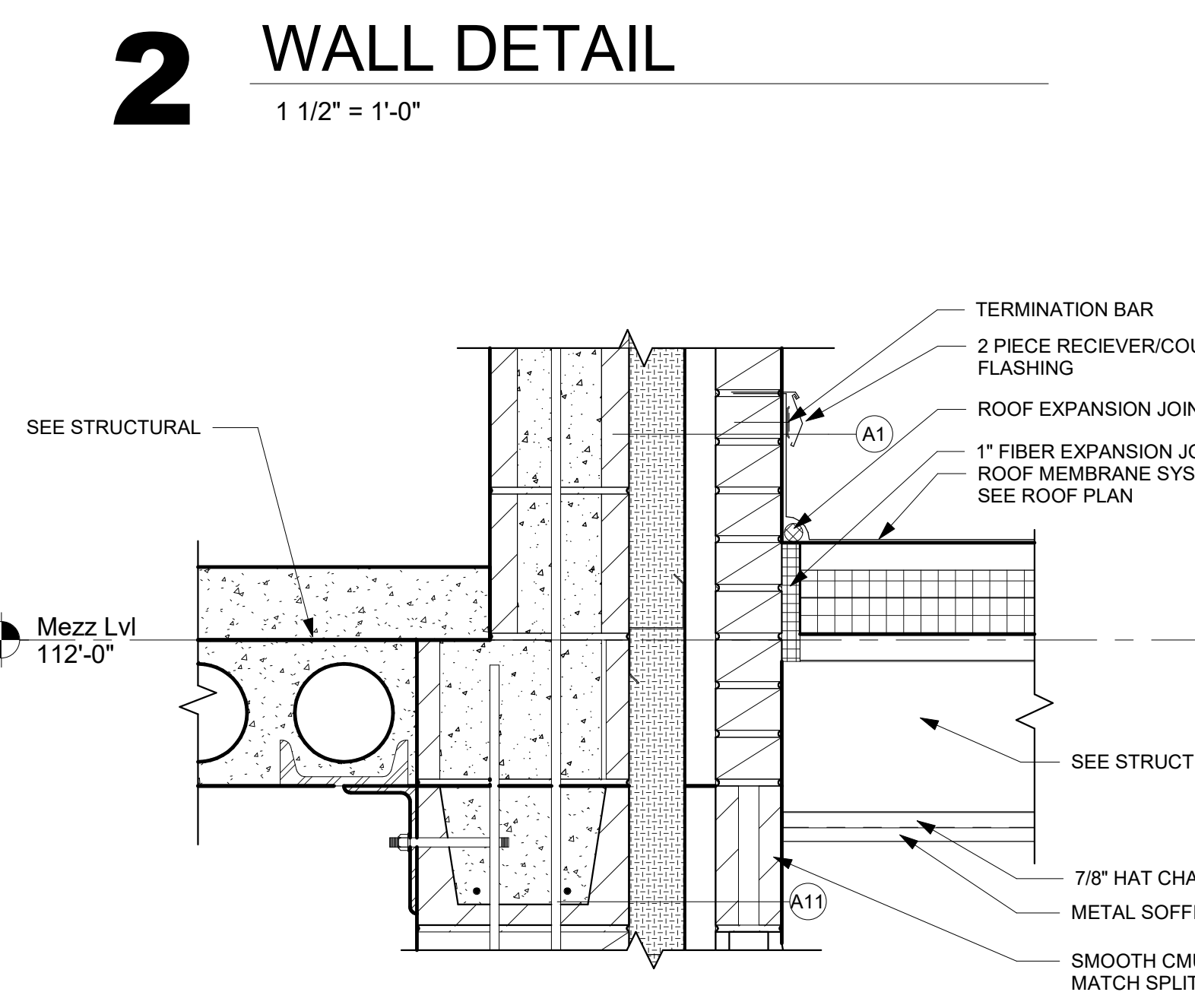
10 WALL DETAIL
1 1/2" = 1'-0"



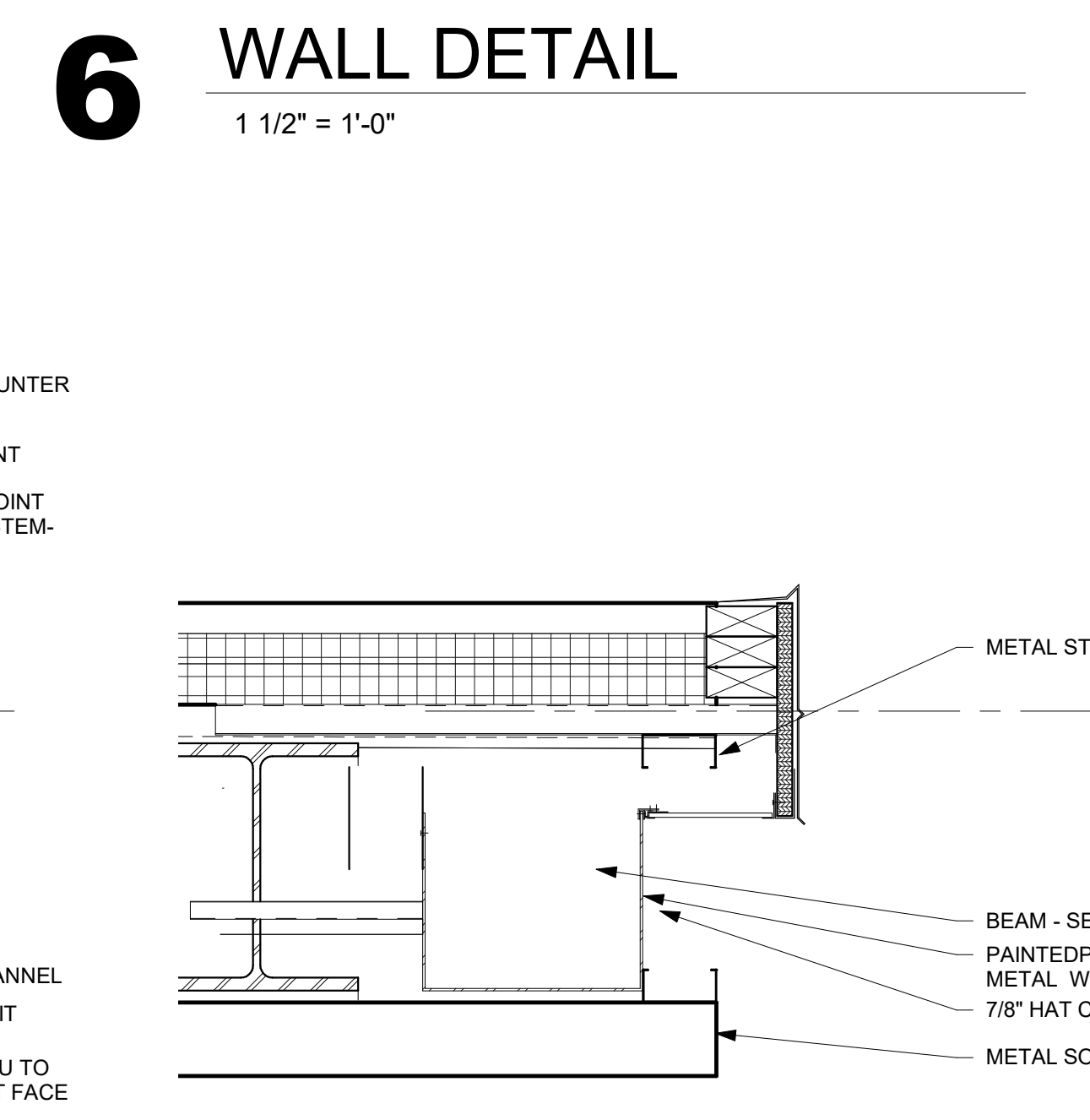
14 WALL DETAIL
1 1/2" = 1'-0"



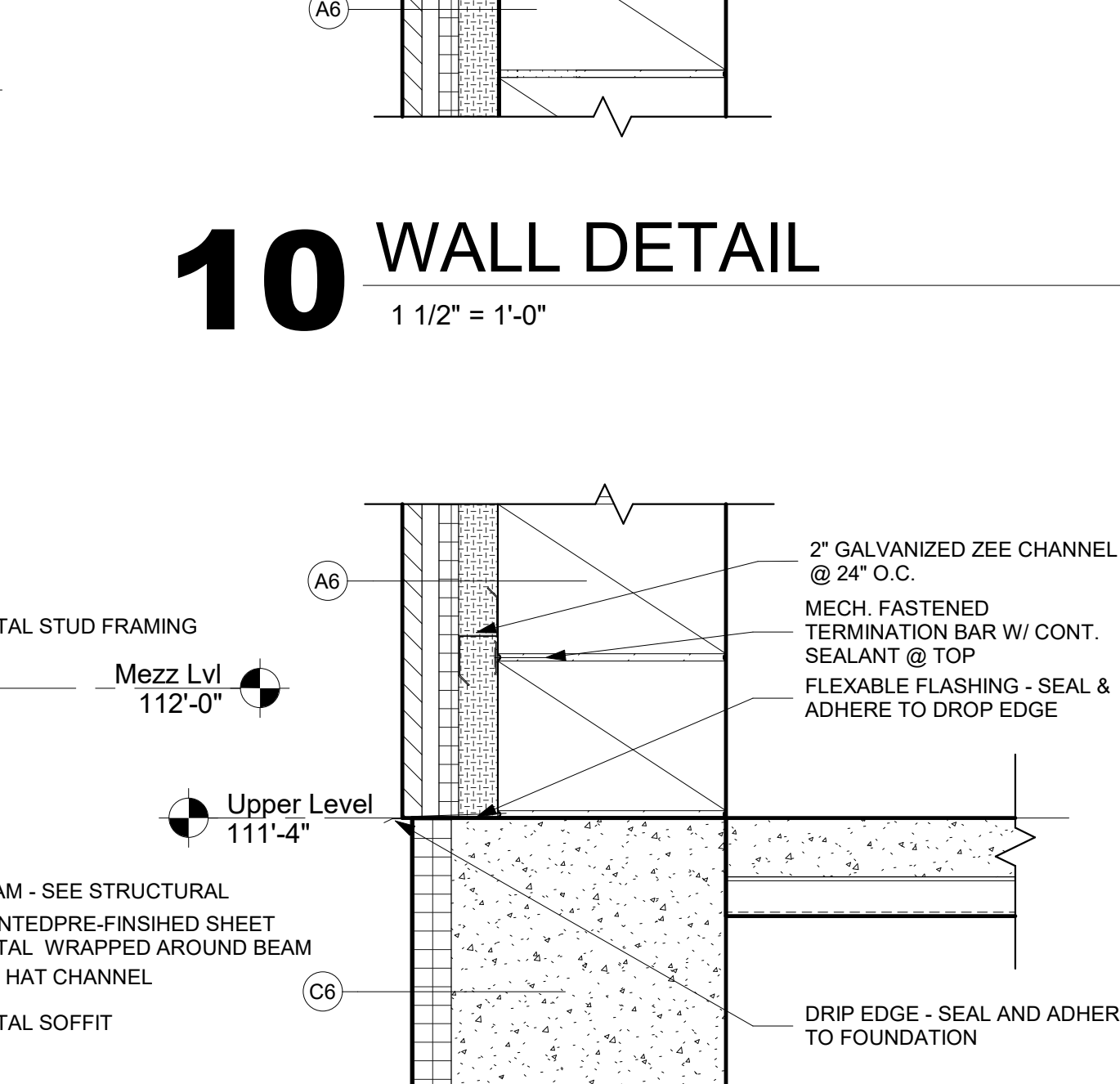
17 WALL DETAIL
1 1/2" = 1'-0"



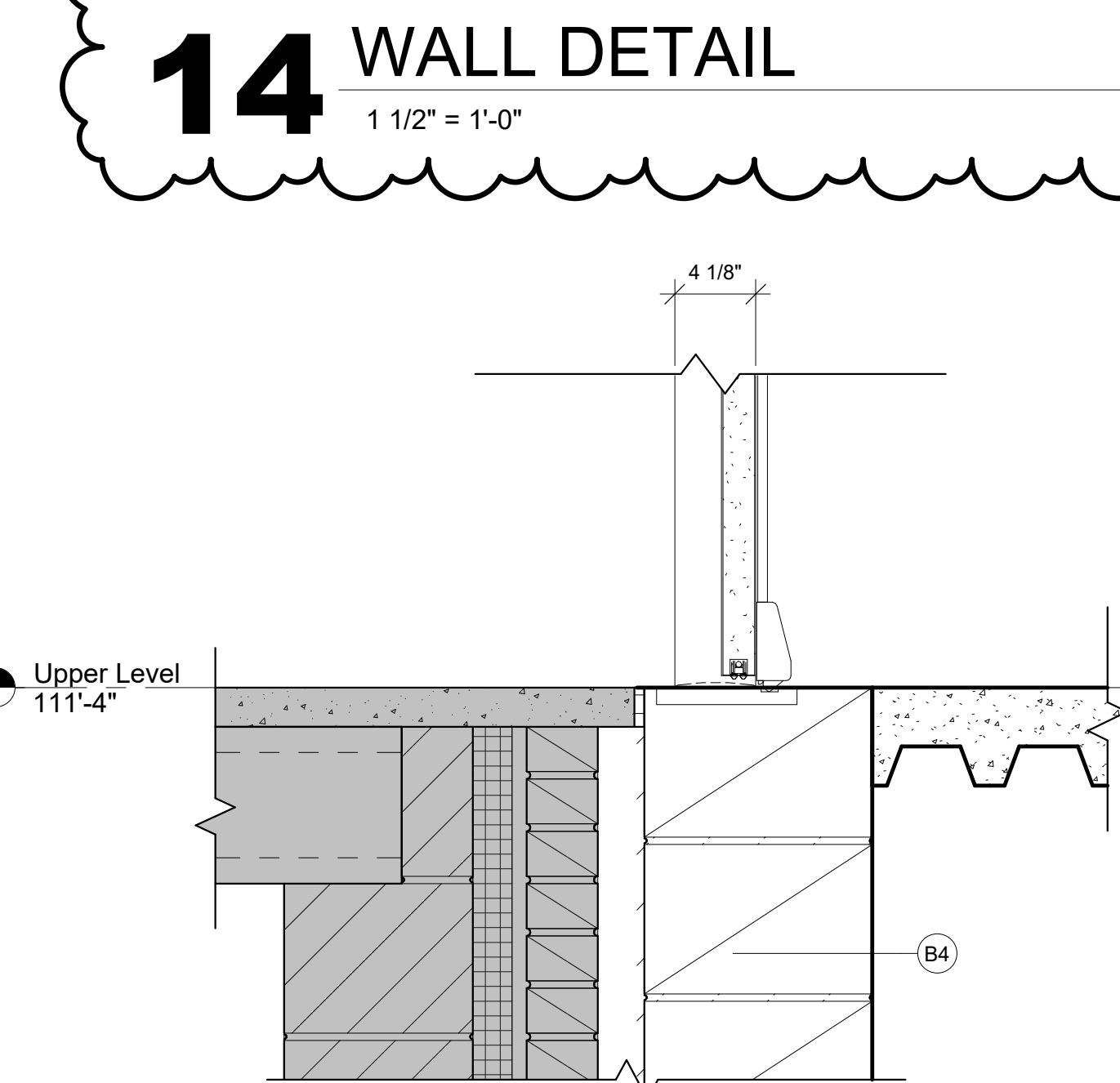
1 WALL DETAIL
1 1/2" = 1'-0"



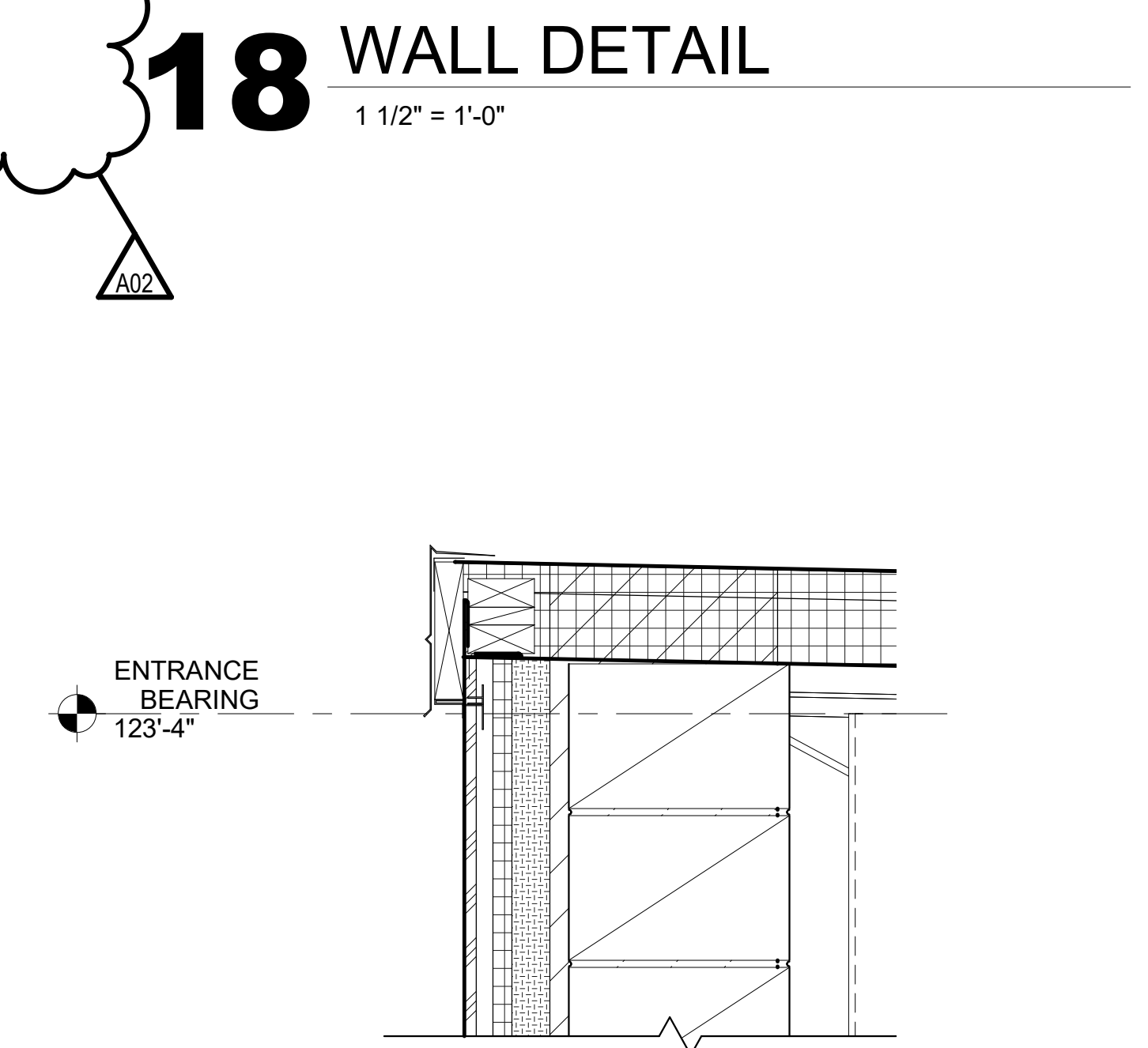
5 ROOF DETAIL
1 1/2" = 1'-0"



9 WALL DETAIL
1 1/2" = 1'-0"



13 DOOR 210 DETAIL
1 1/2" = 1'-0"



17 WALL DETAIL
1 1/2" = 1'-0"



Consultant:

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.

Project: _____ Date: July 9, 2019 Lic. No.: 11311
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.

Project: _____ Date: July 9, 2019 Lic. No.: 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

Sheet Title: SECTION DETAILS

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: HLH / TBS

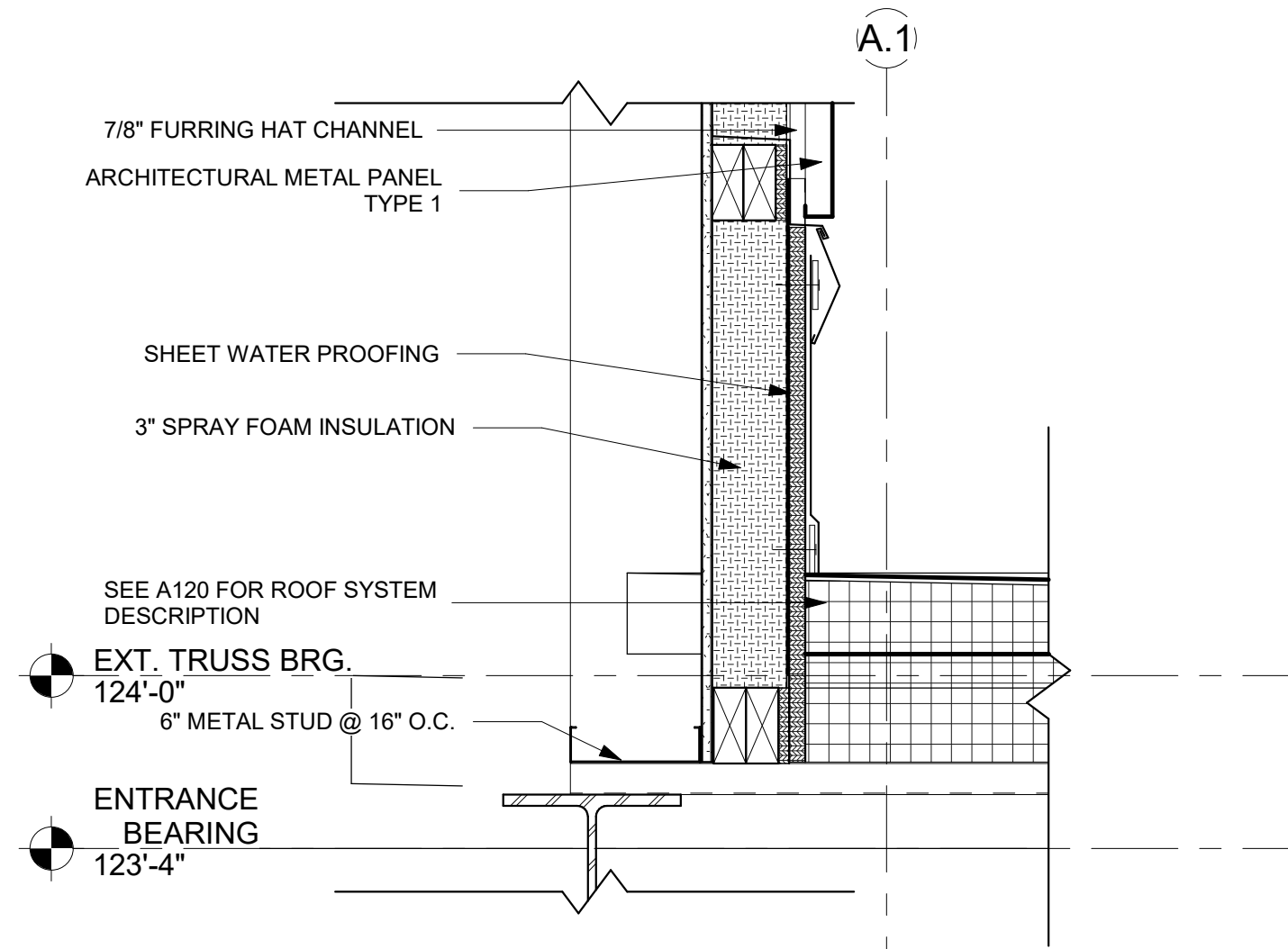
Key Plan:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

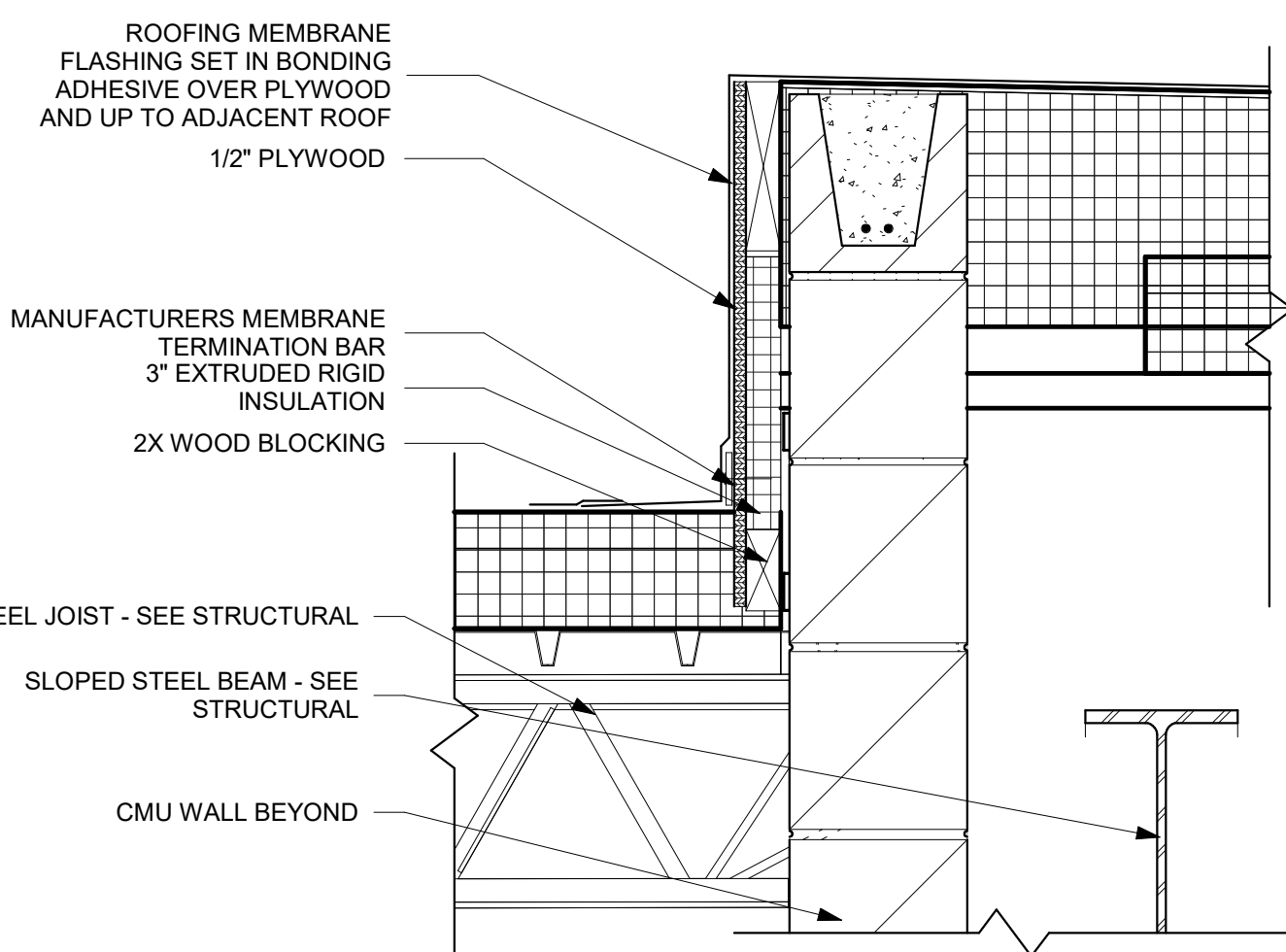
Graphic Scale: VARIES

Last Update: 10/10/2019 10:51:34 AM

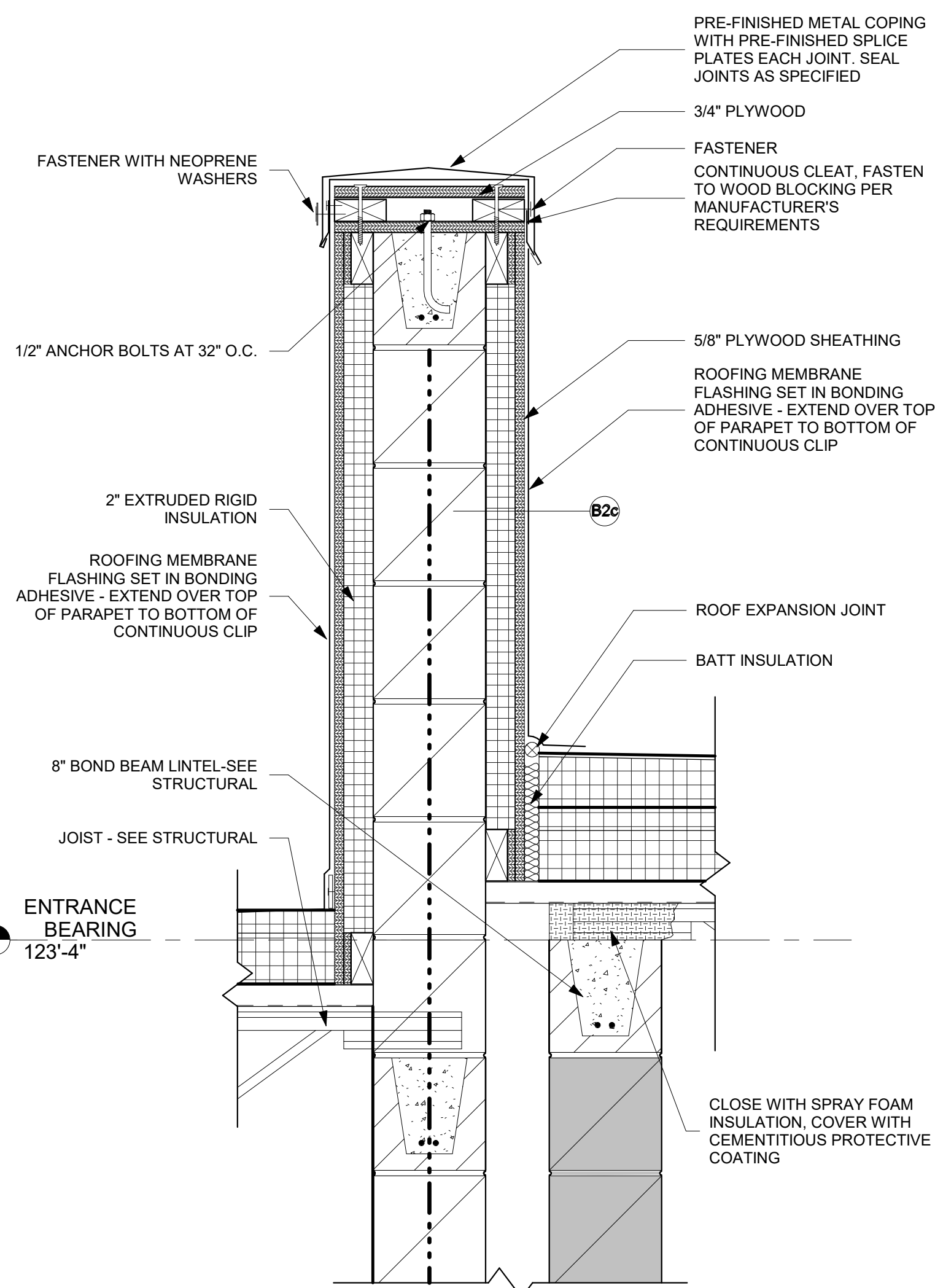
A501



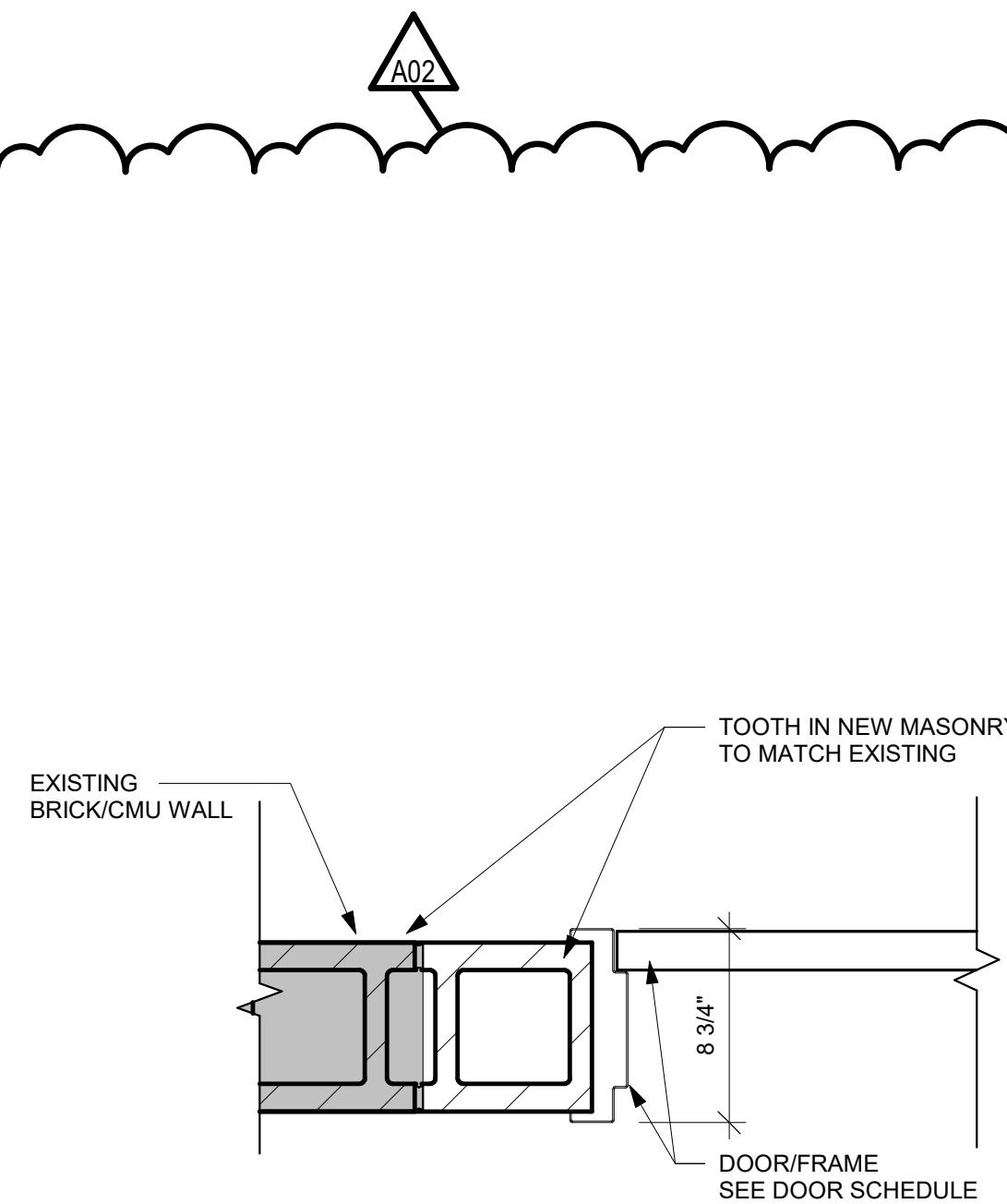
3 WALL DETAIL
1 1/2" = 1'-0"



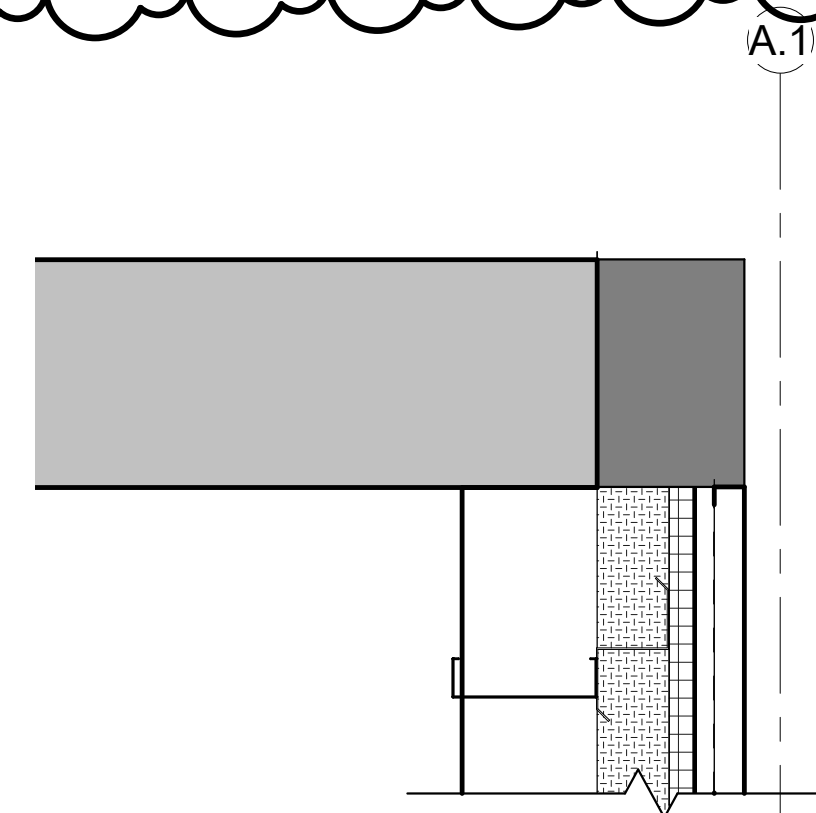
2 ROOF DETAIL
1 1/2" = 1'-0"



1 WALL DETAIL
1 1/2" = 1'-0"



5 DOOR JAMB DETAIL
1 1/2" = 1'-0"



4 WALL DETAIL
1 1/2" = 1'-0"



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.784.5844
www.hsrassociates.com

Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 11313
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: DETAILS

HSR Project Number: 18063
Project Date: 9-26-19
Drawn By: DJH

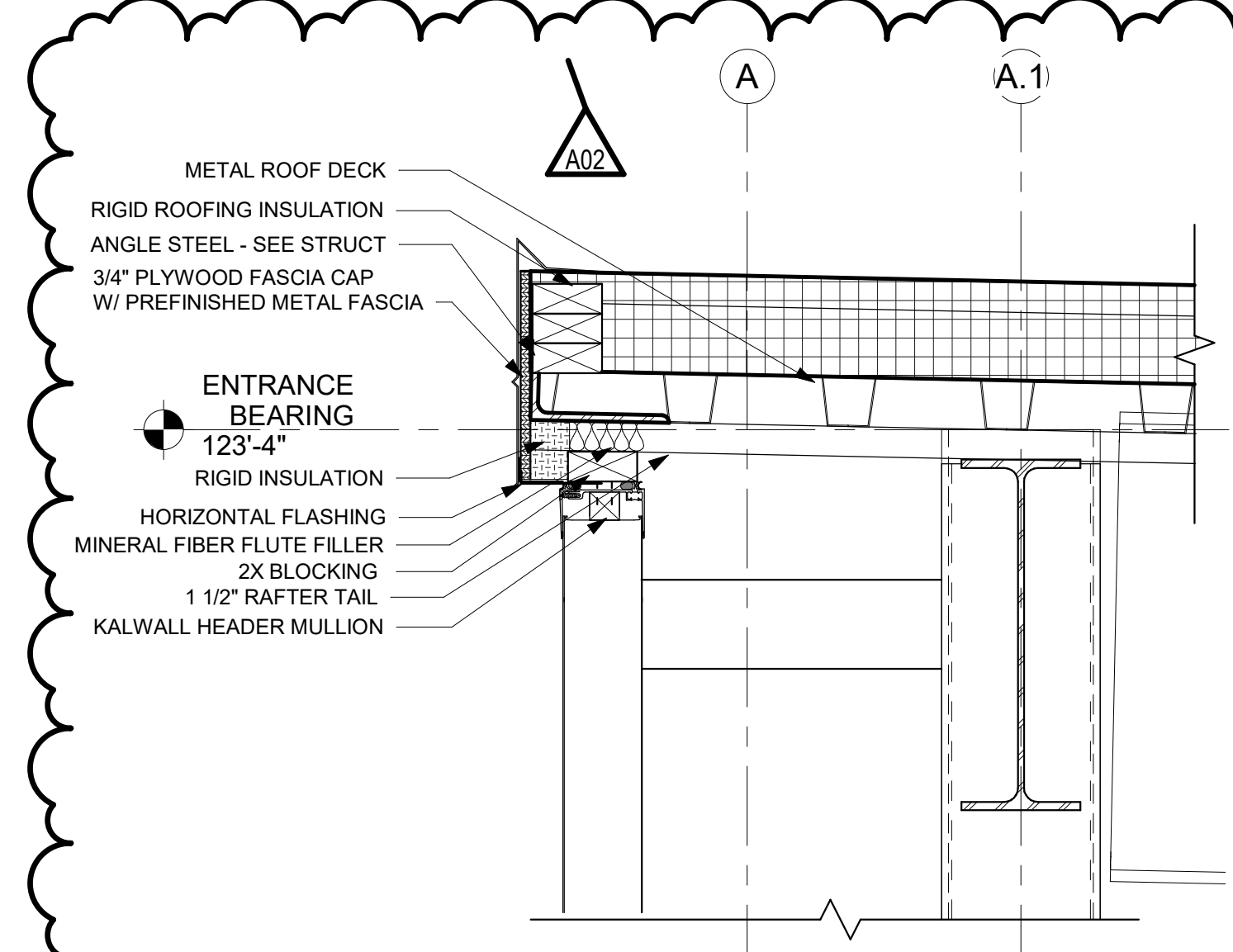
Key Plan:
SEG A SEG B SEG C

KEY PLAN

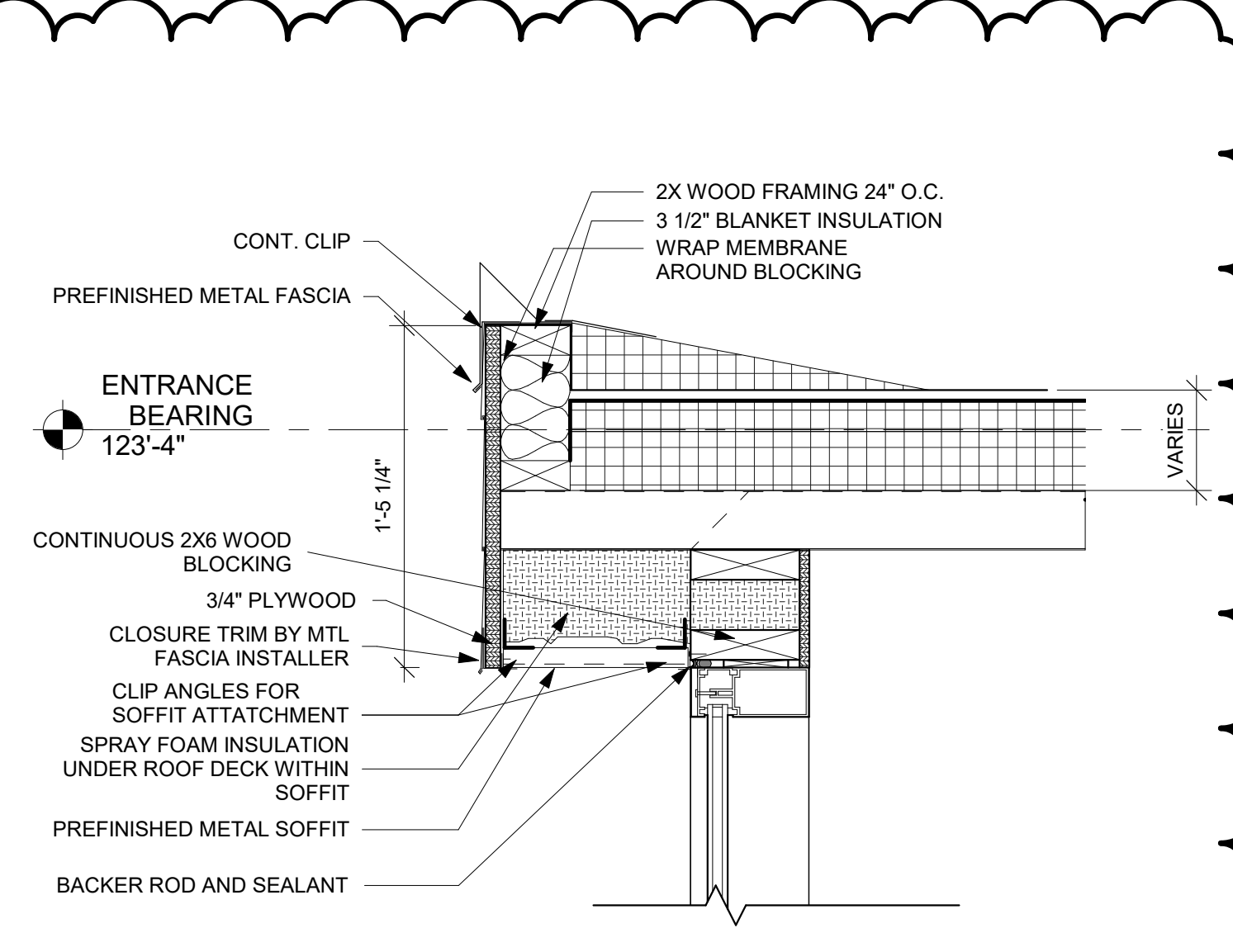
No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0' 2' 4' 6' 1'
Last Update: 10/10/2019 10:16:46 AM

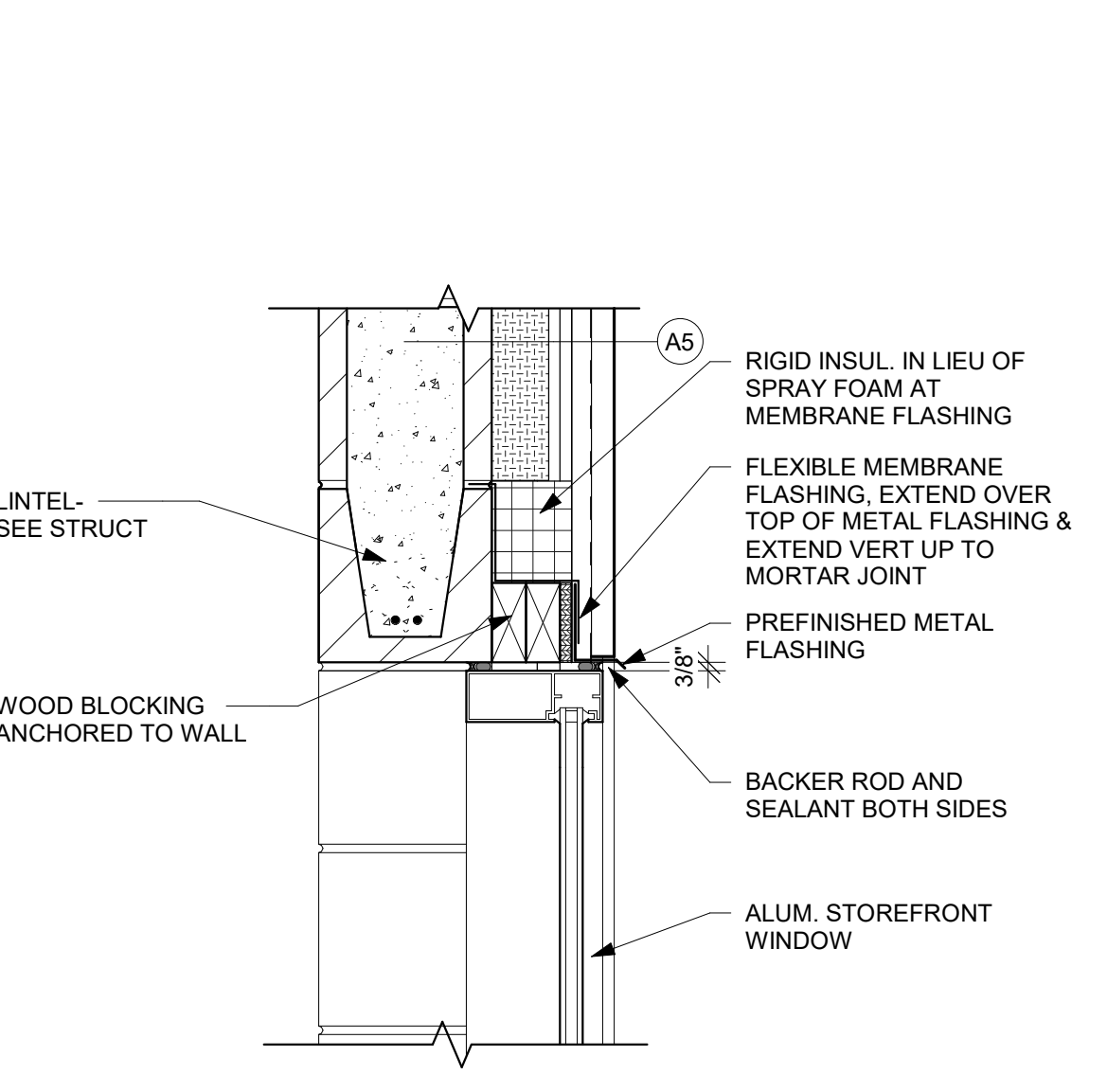
A510



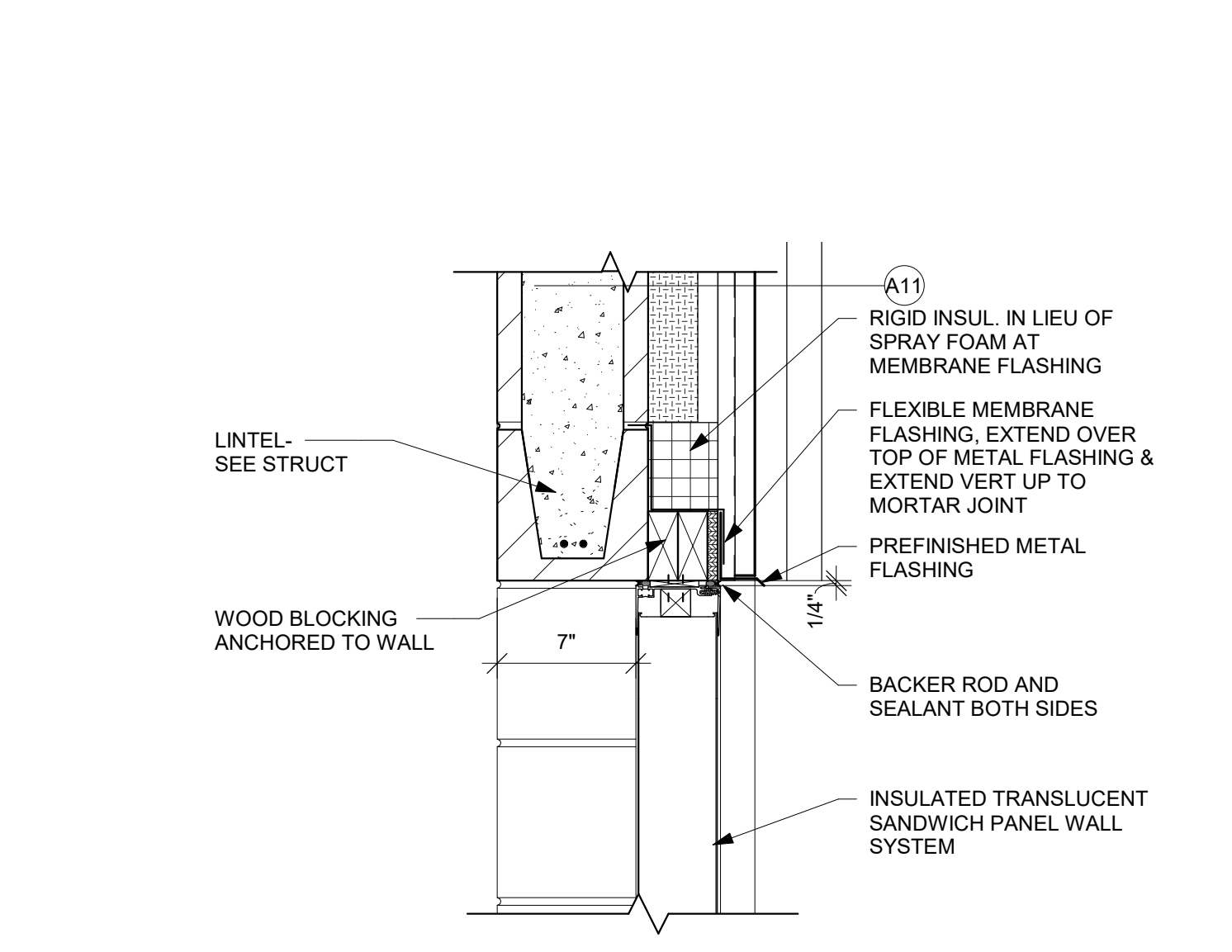
4 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



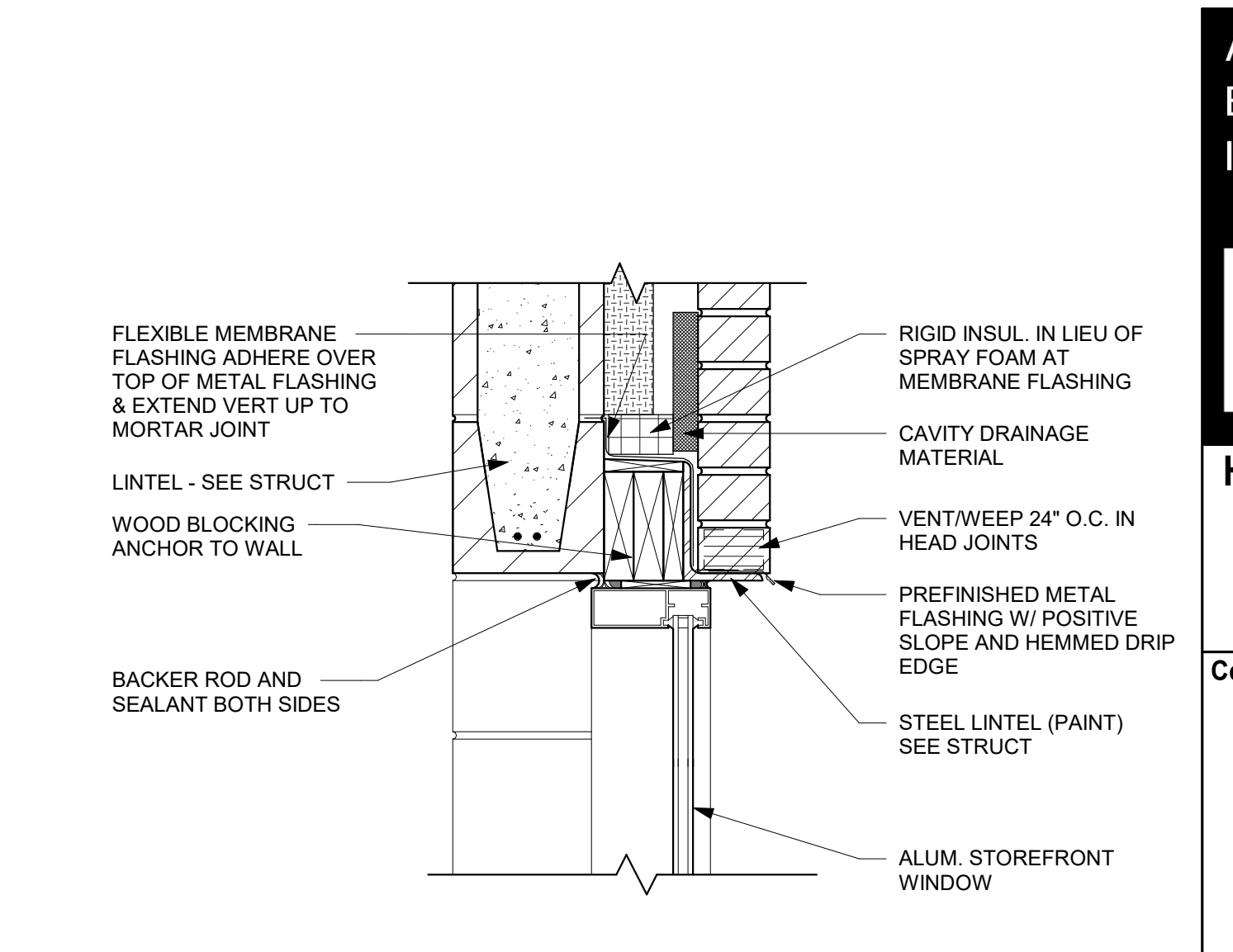
8 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



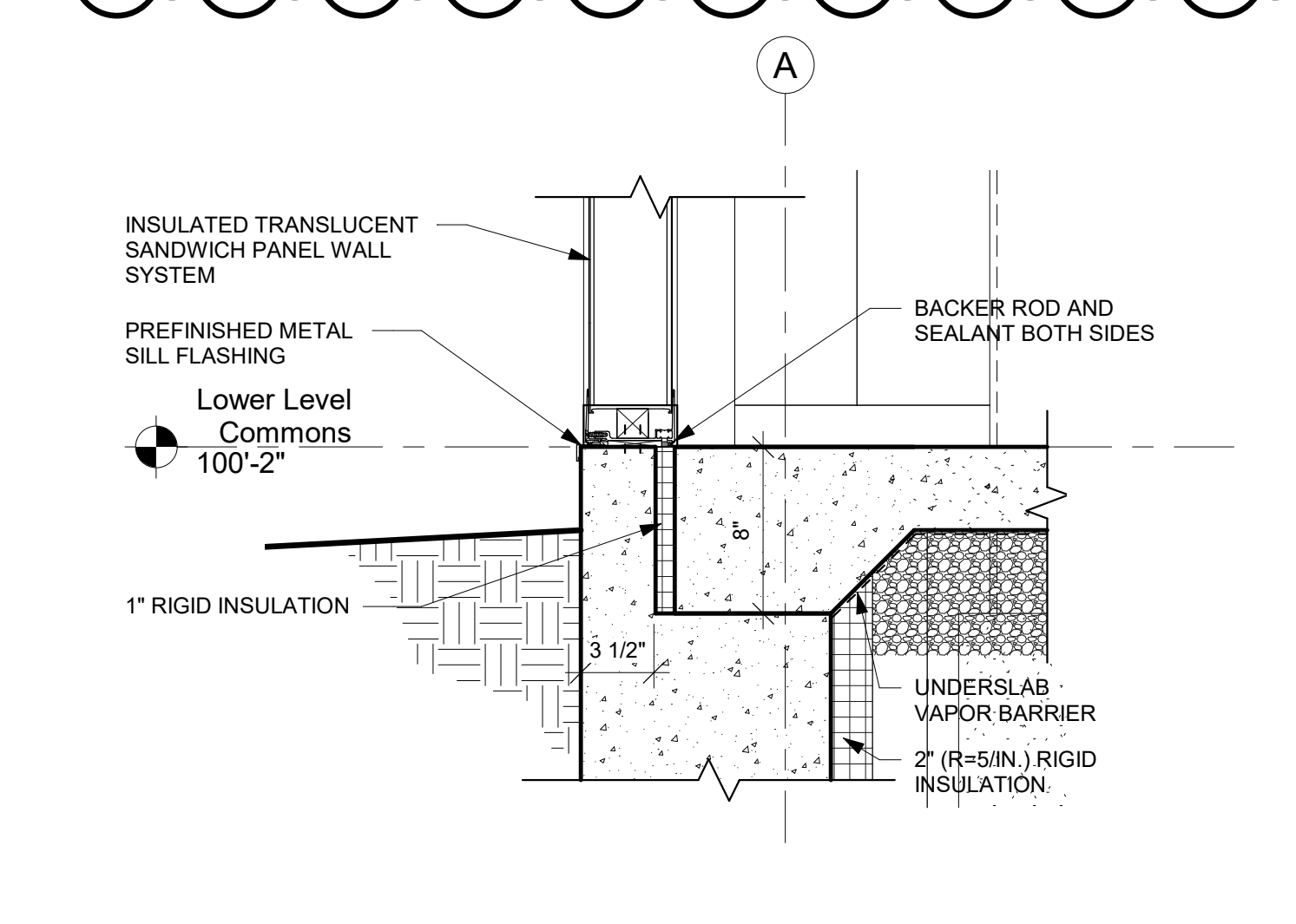
12 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



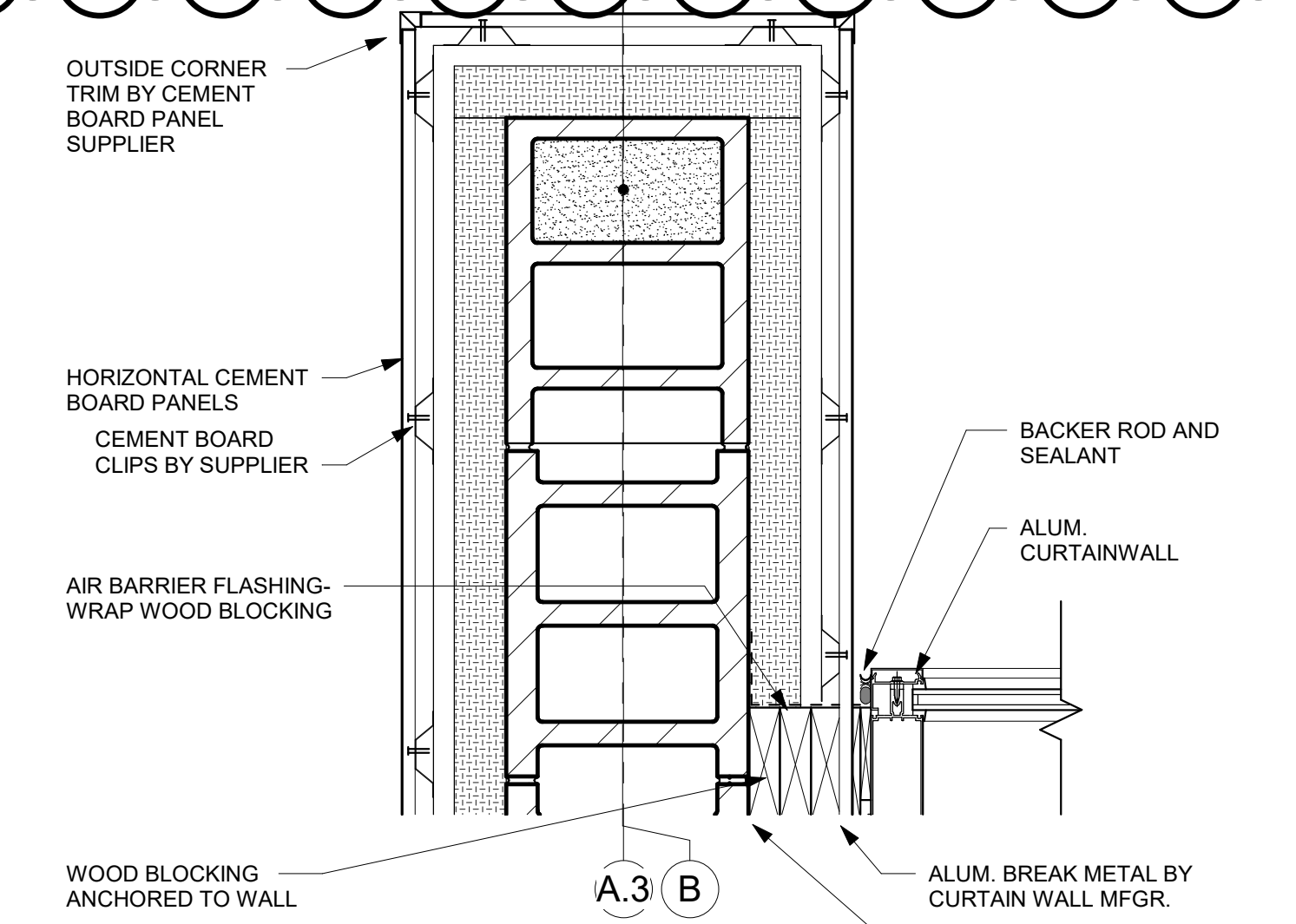
16 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



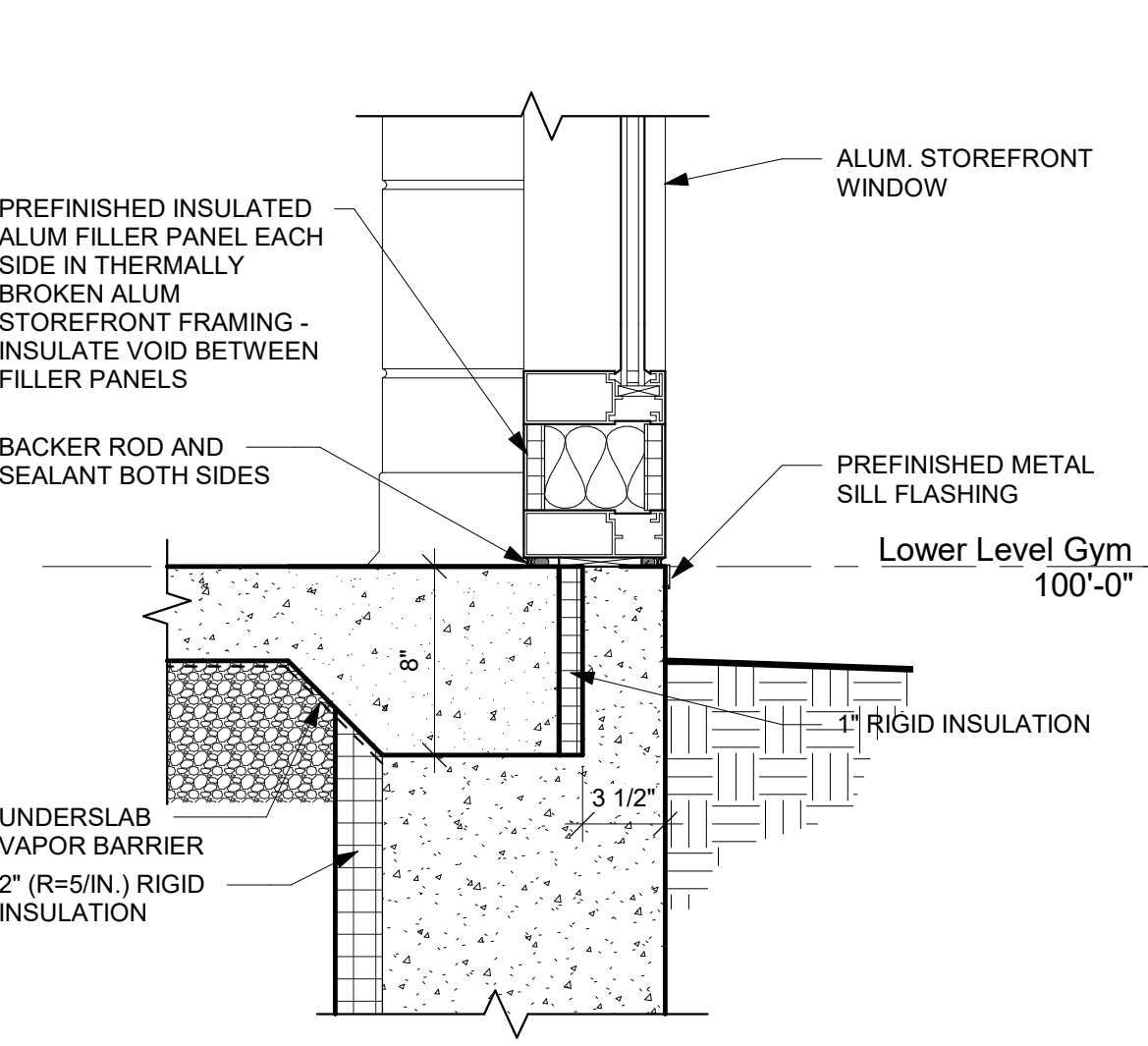
20 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



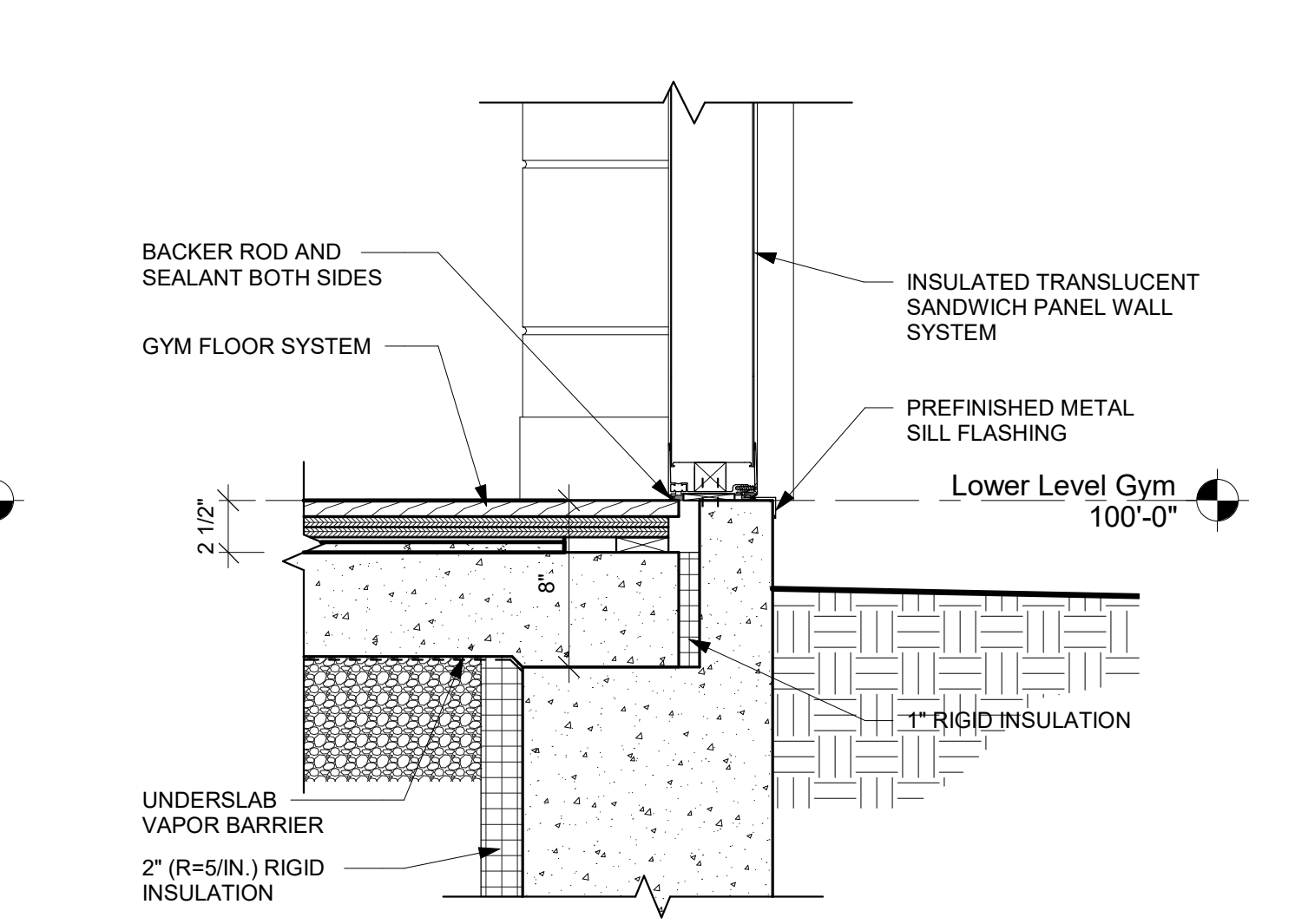
3 WINDOW SILL DETAIL
1 1/2" = 1'-0"



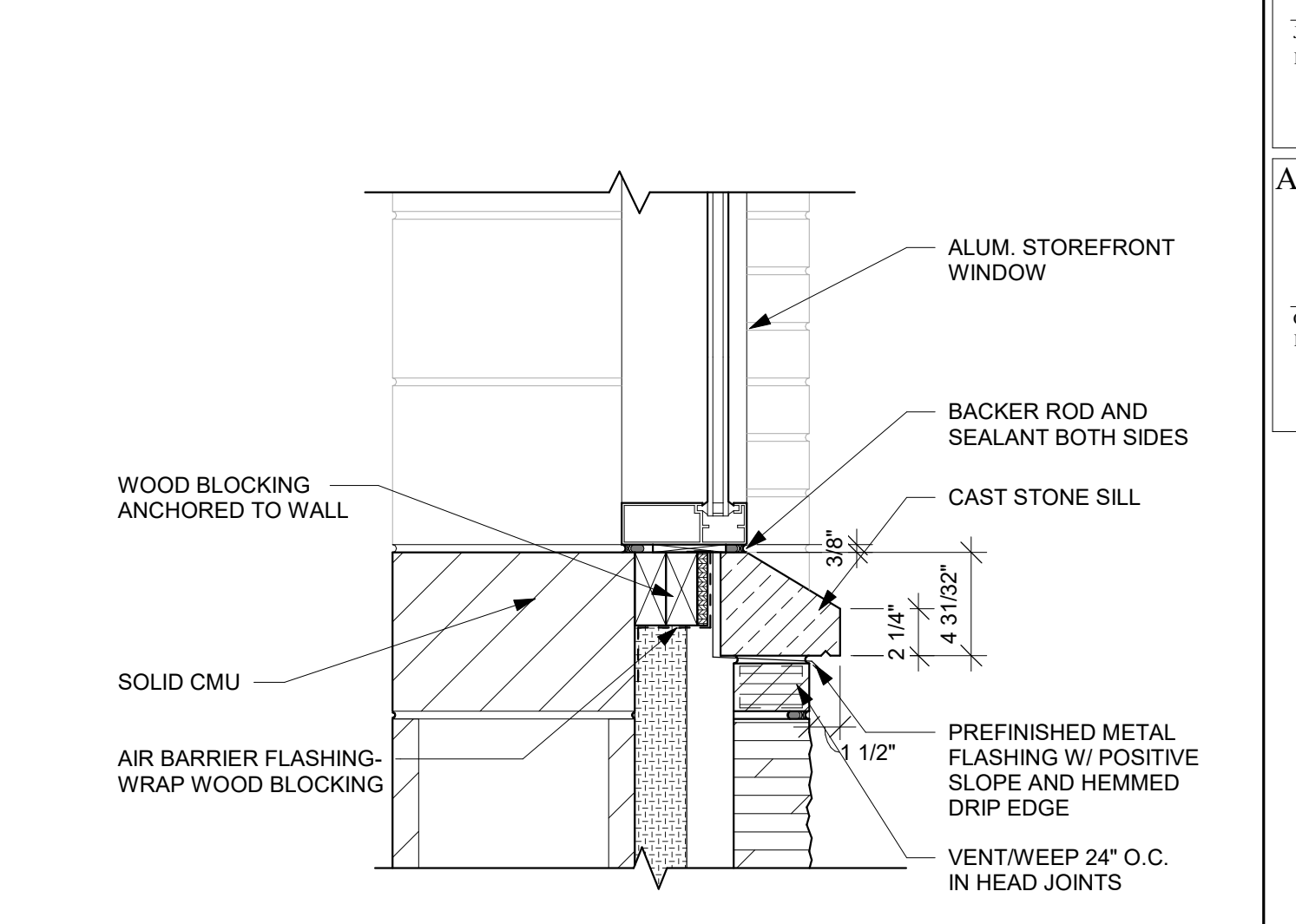
7 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



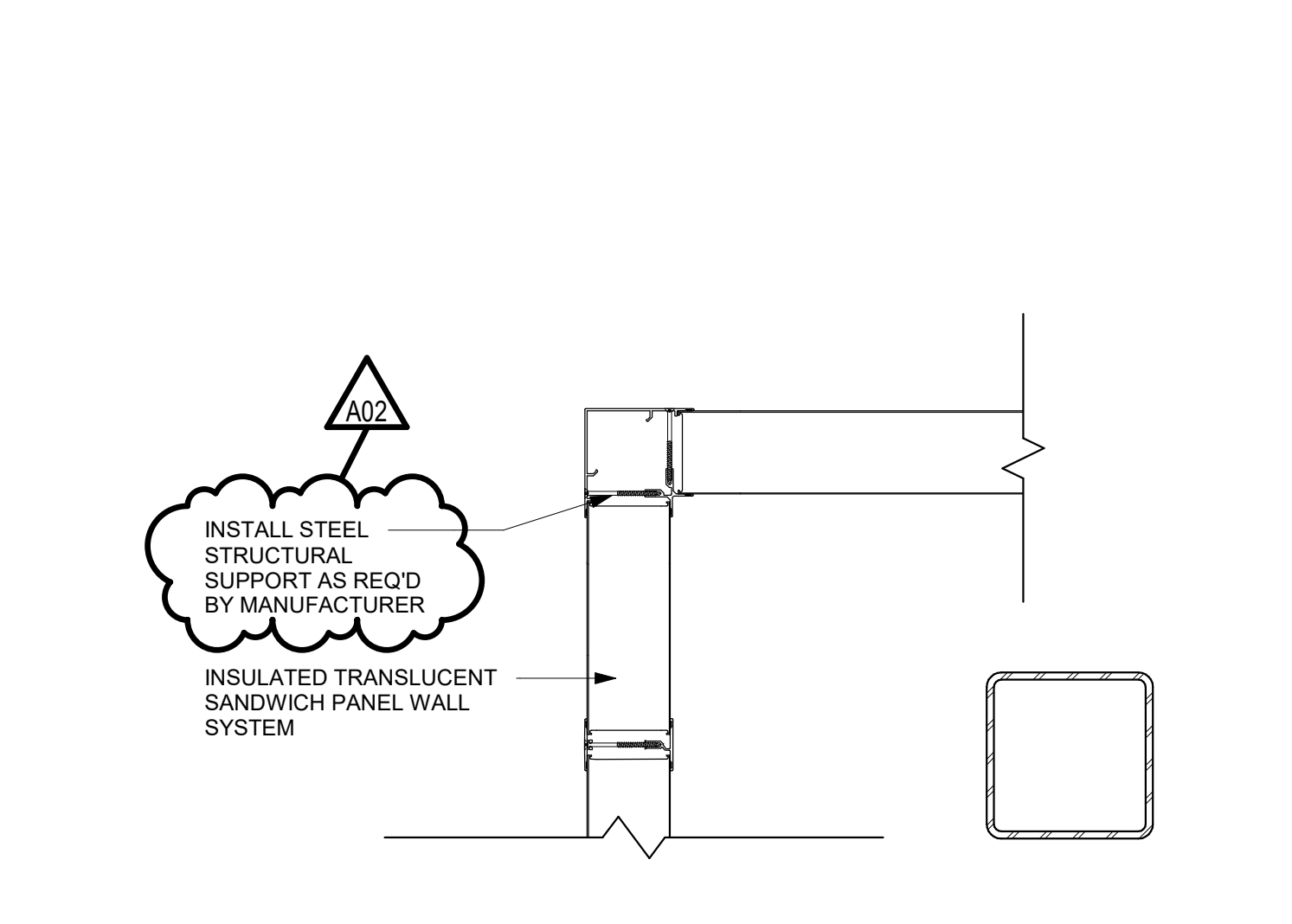
11 WINDOW SILL DETAIL
1 1/2" = 1'-0"



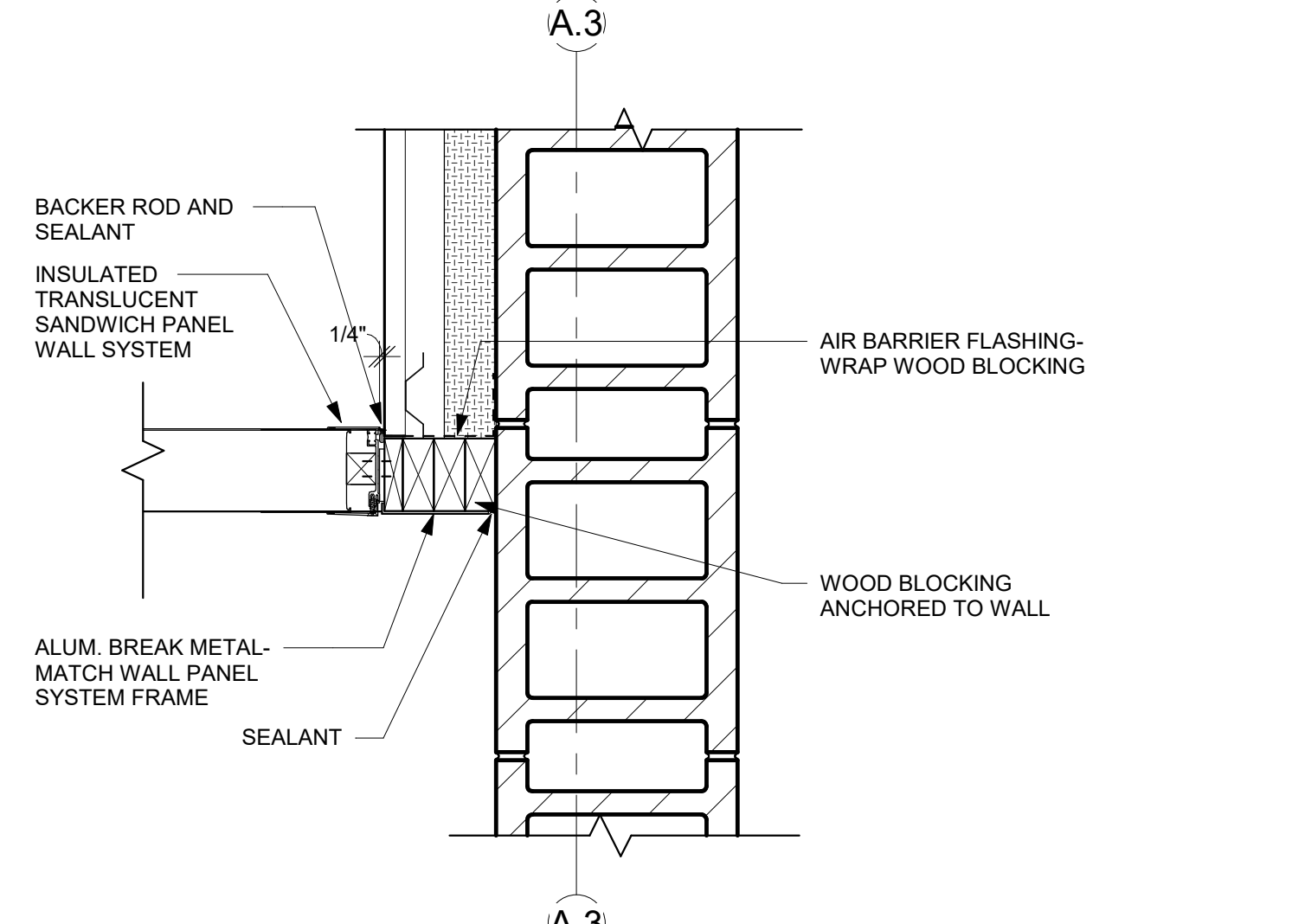
15 WINDOW SILL DETAIL
1 1/2" = 1'-0"



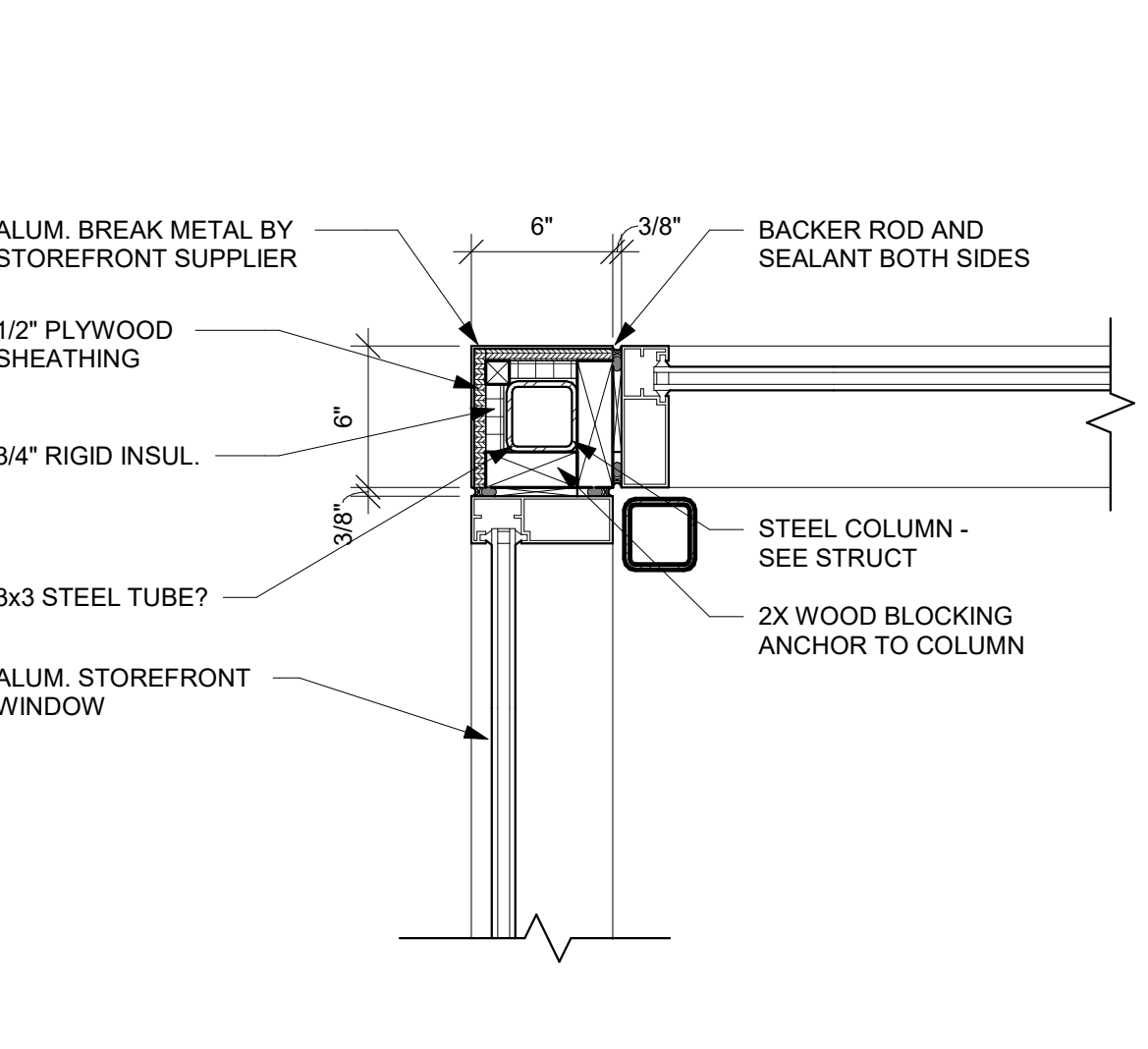
19 WINDOW SILL DETAIL
1 1/2" = 1'-0"



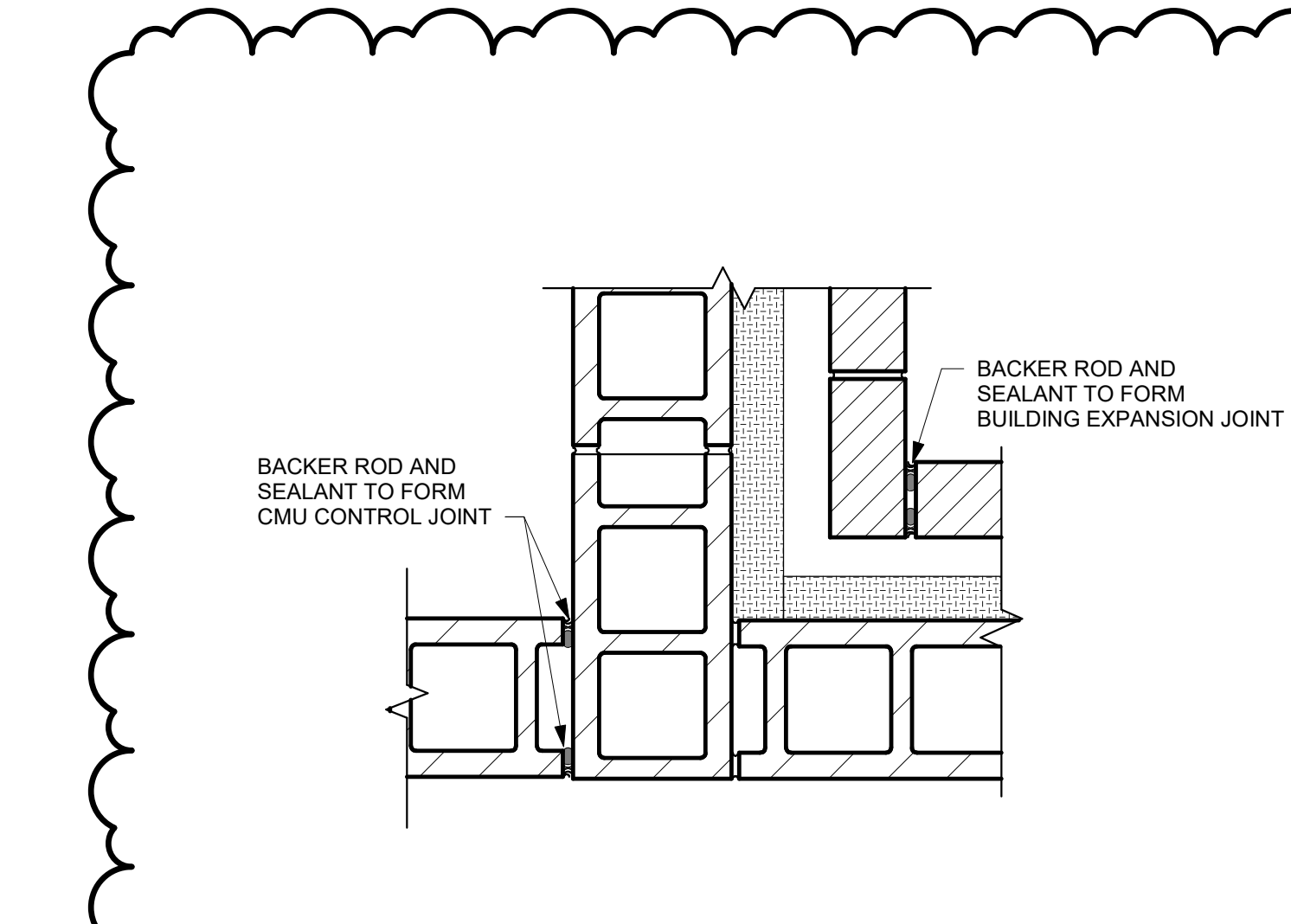
2 WINDOW MULL DETAIL
1 1/2" = 1'-0"



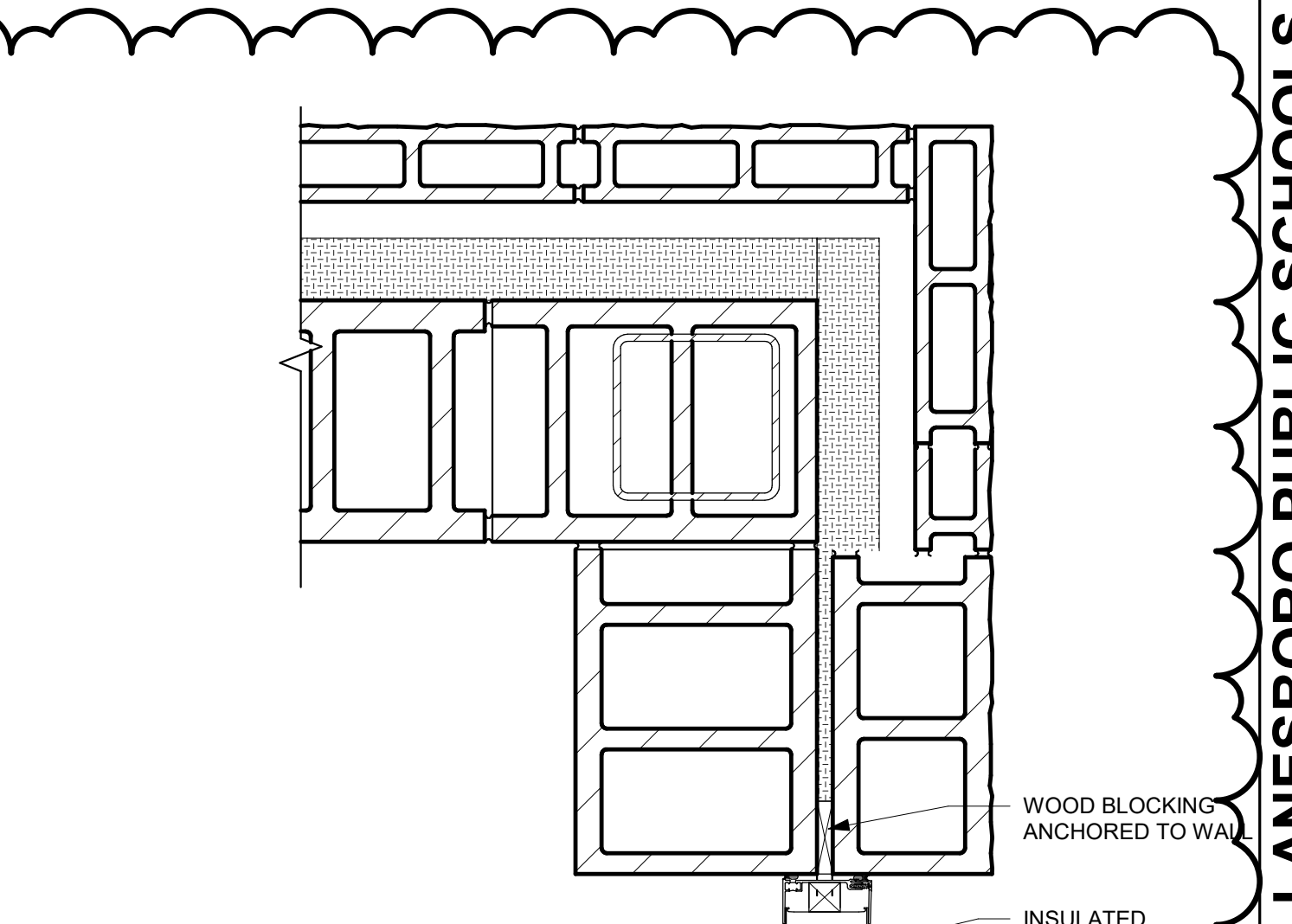
6 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



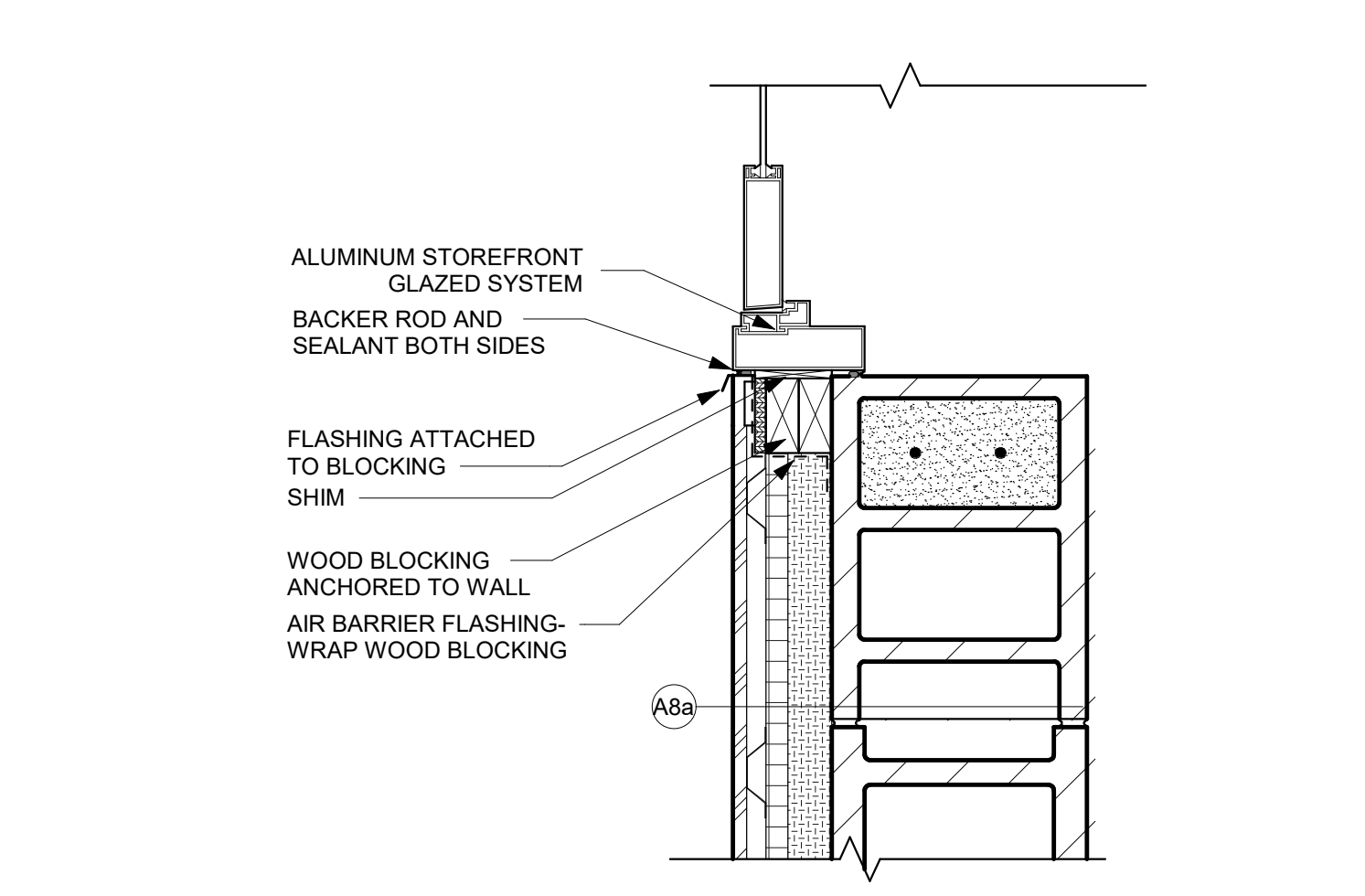
10 WINDOW MULL DETAIL
1 1/2" = 1'-0"



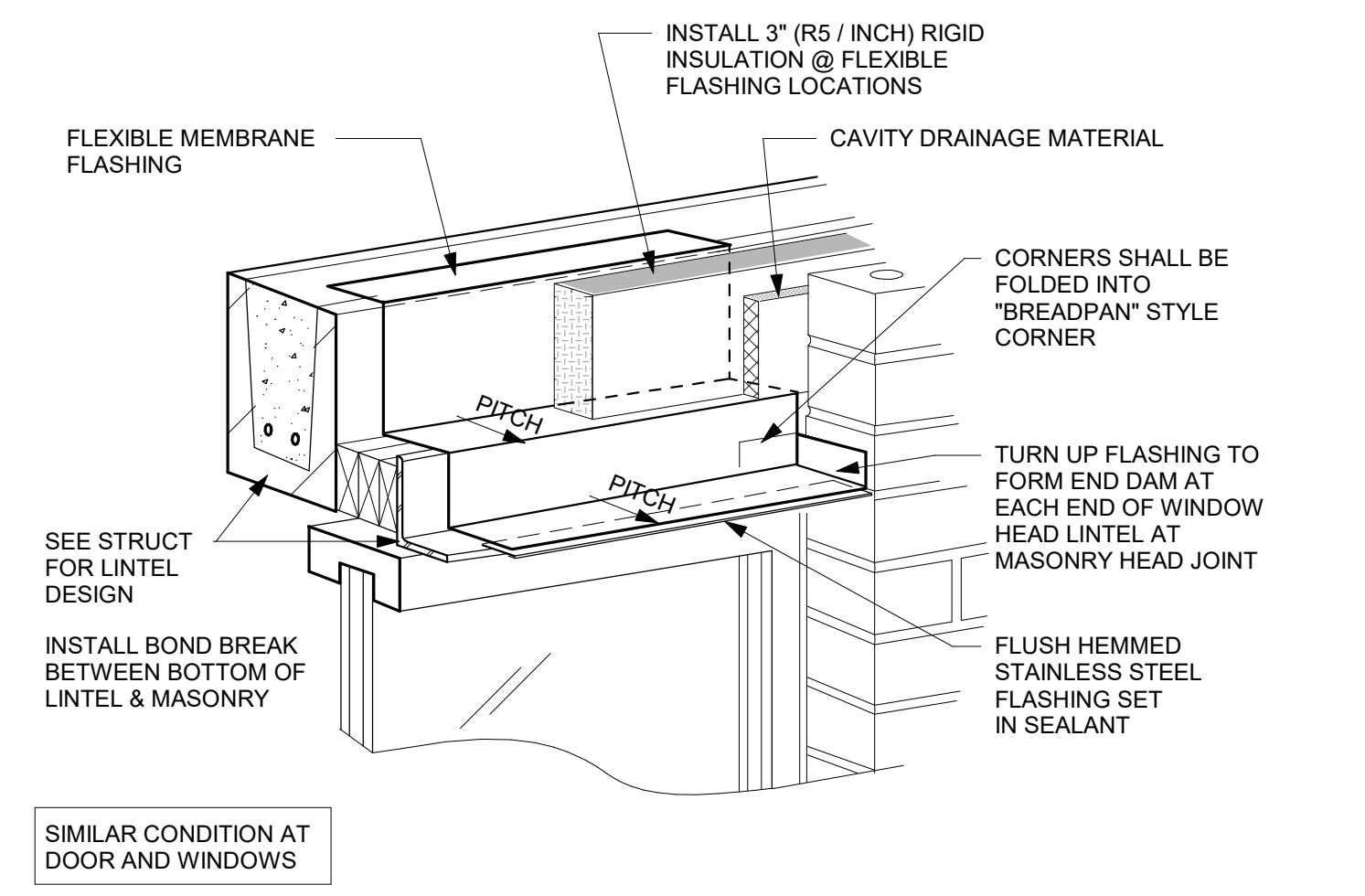
14 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



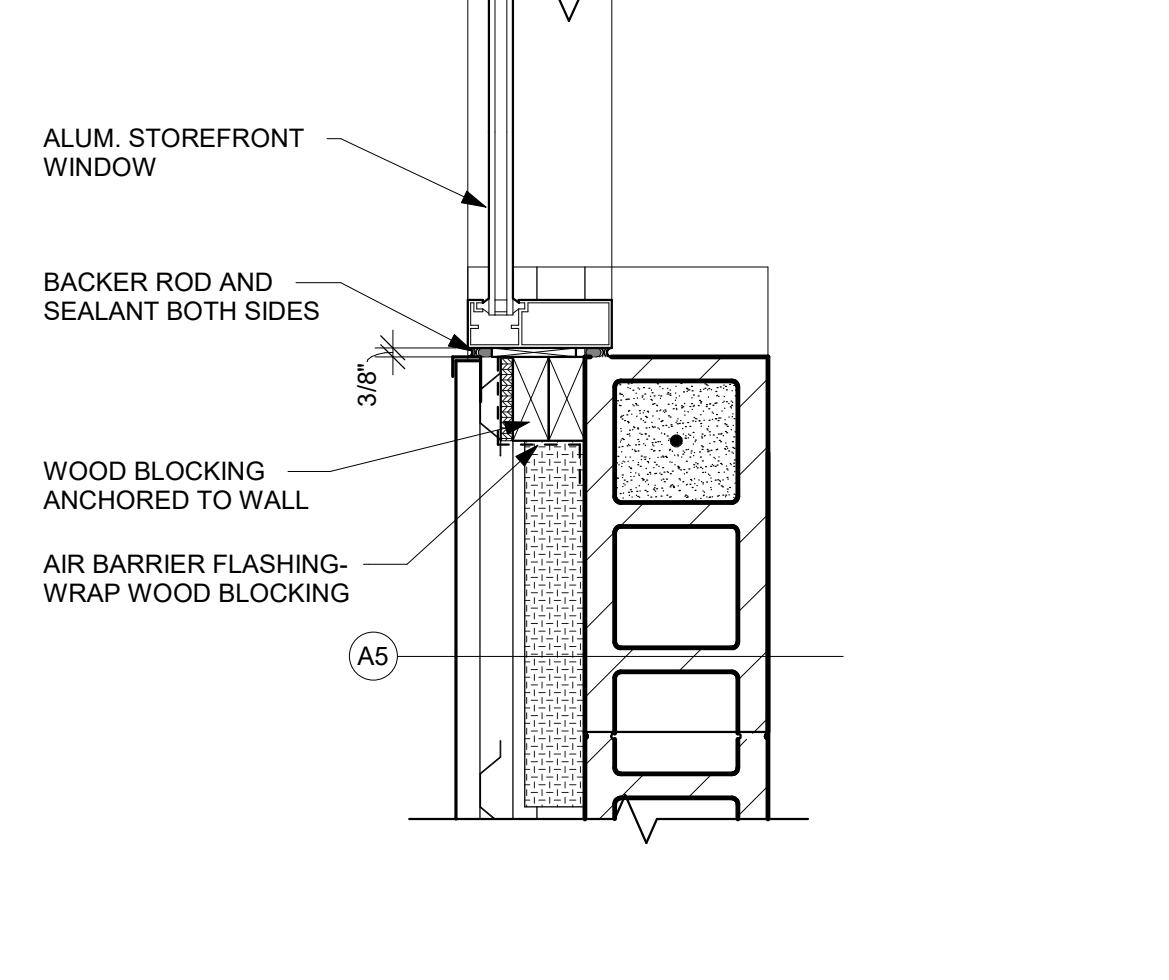
18 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



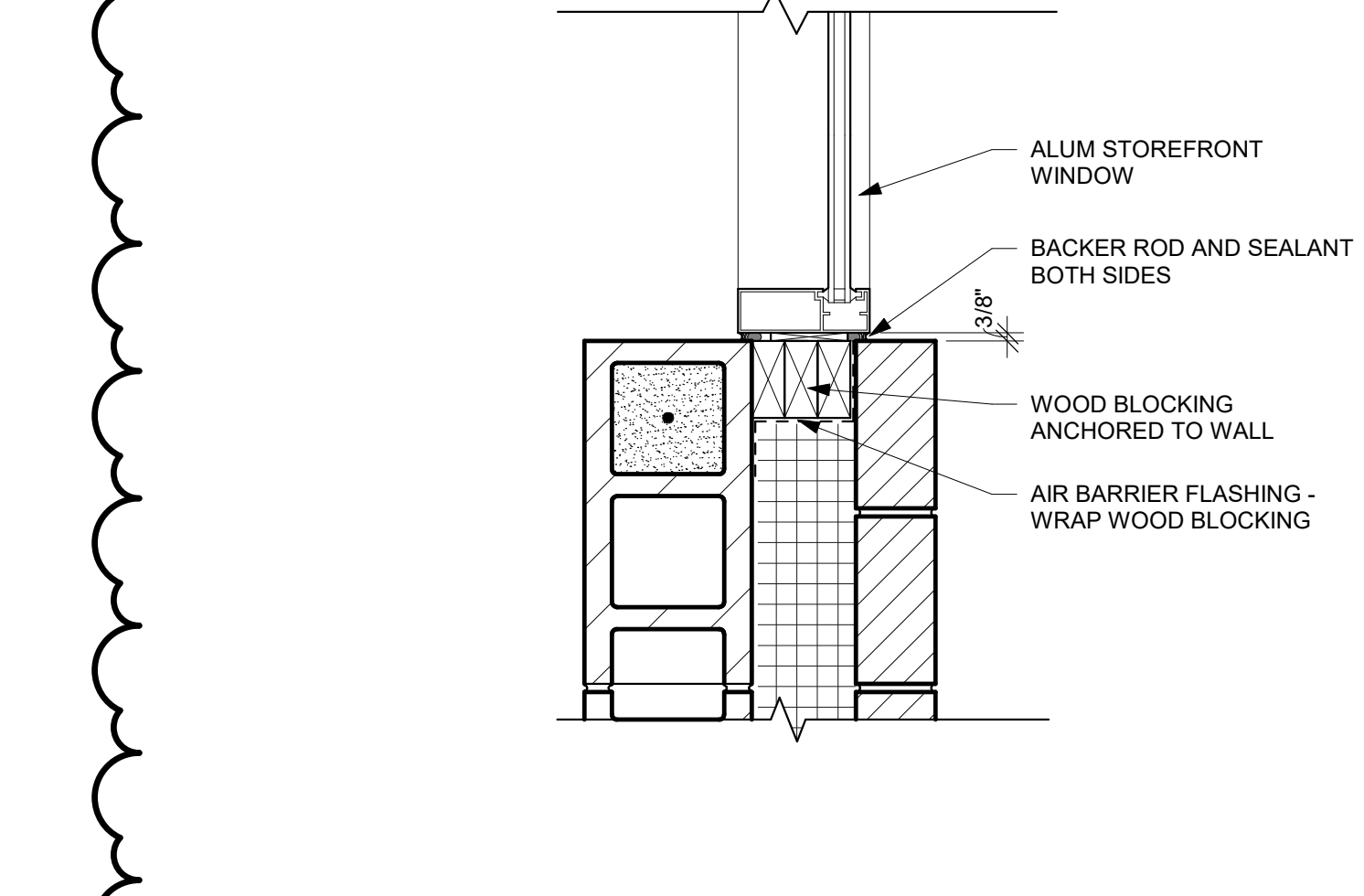
1 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



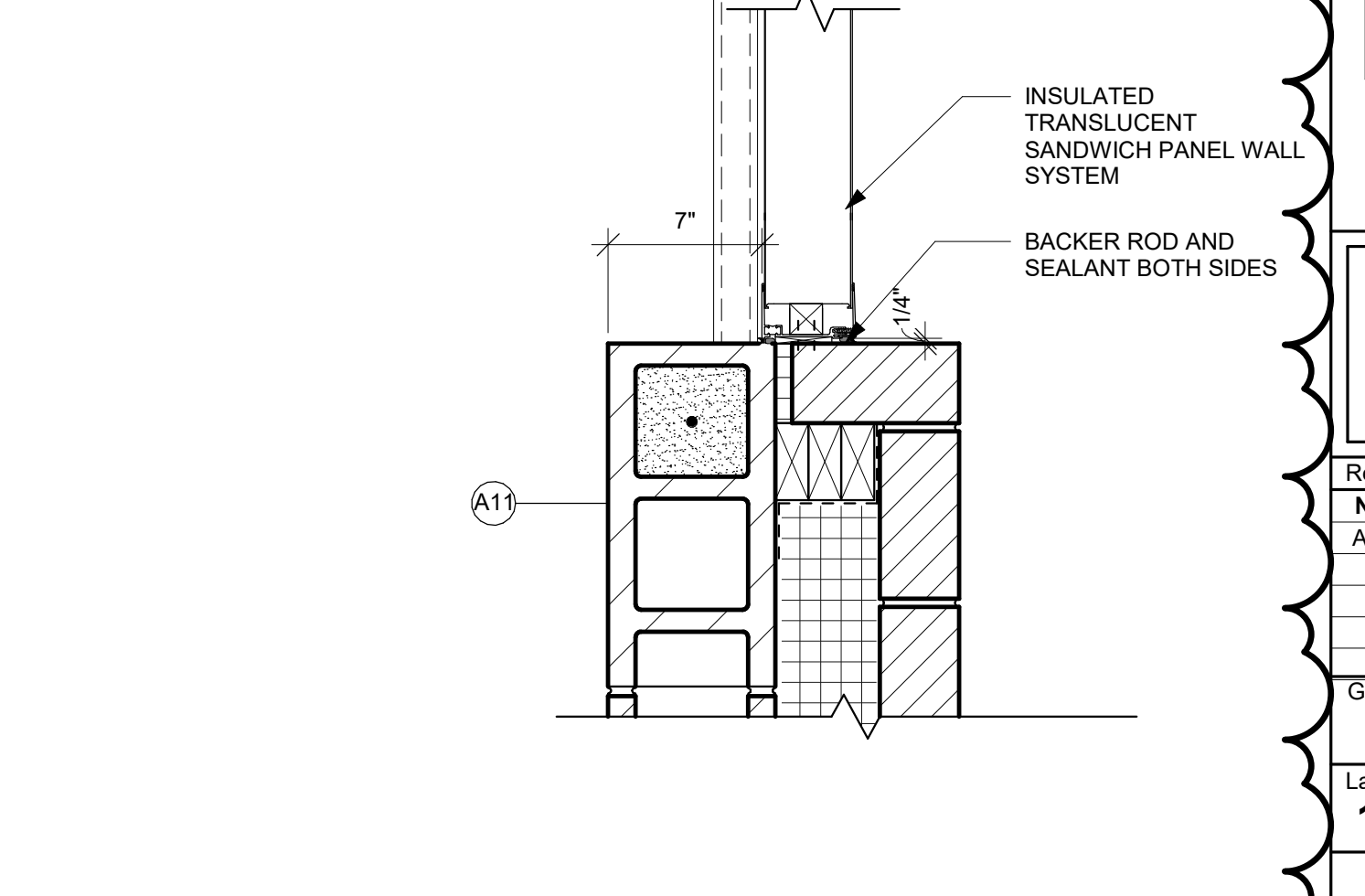
5 DETAIL
1 1/2" = 1'-0"



9 WINDOW JAMB DETAIL
1 1/2" = 1'-0"

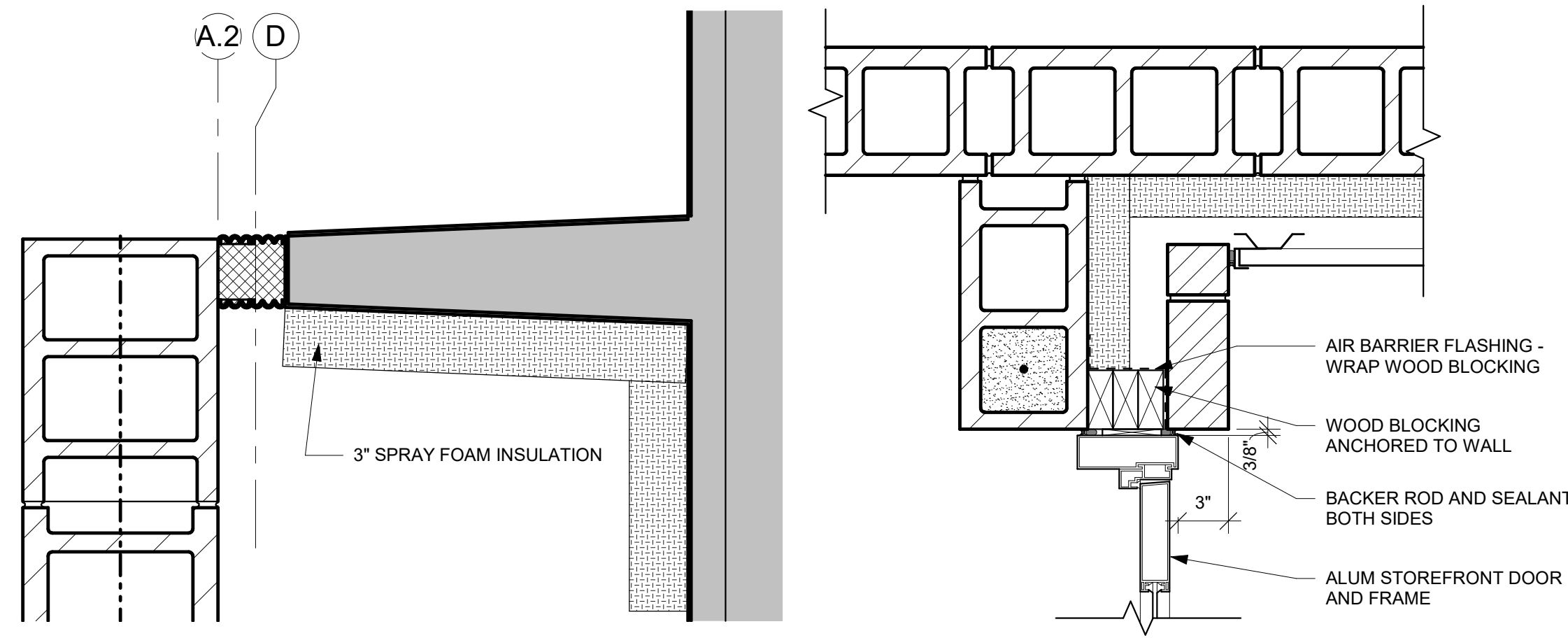


13 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



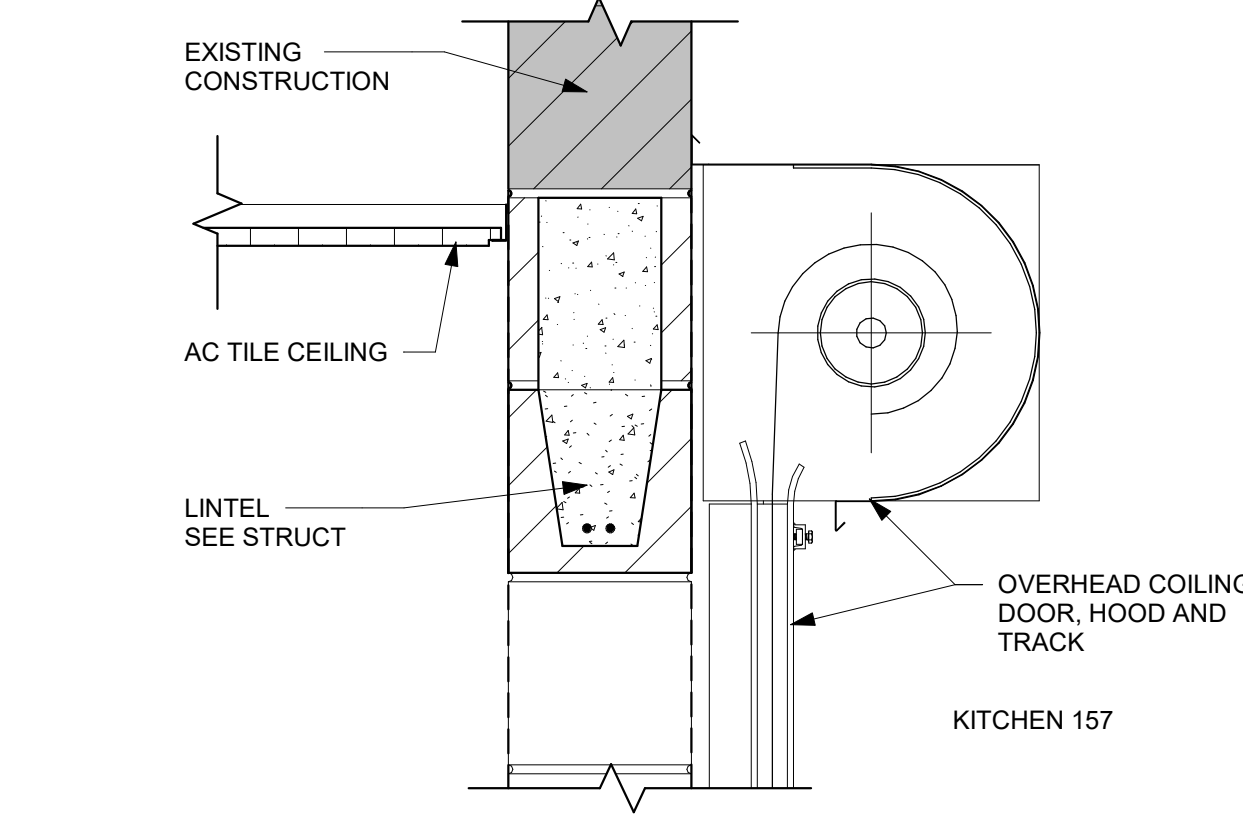
17 WINDOW JAMB DETAIL
1 1/2" = 1'-0"

4A511 NOT USED

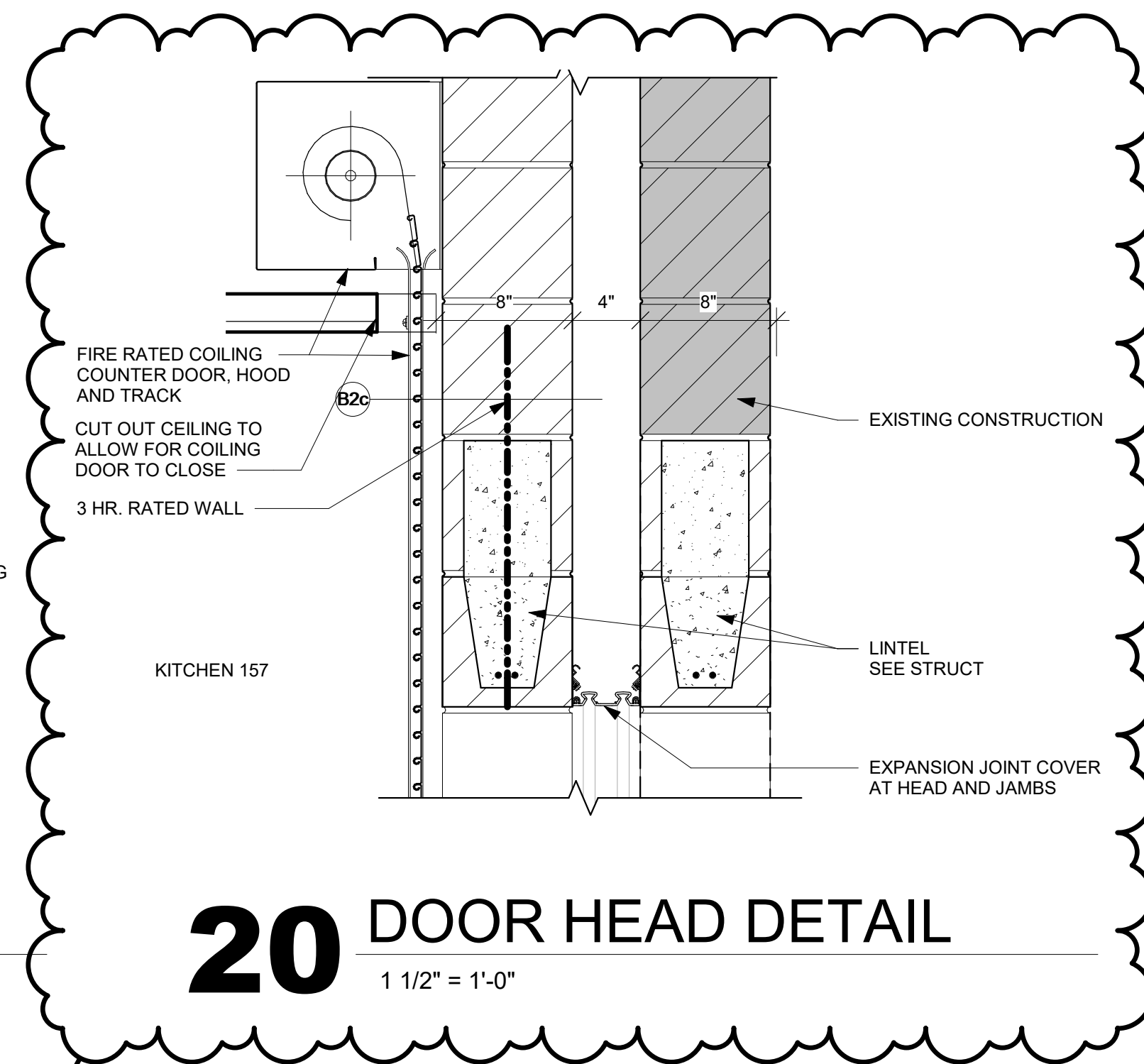


8 WALL DETAIL
1 1/2" = 1'-0"

12 DOOR JAMB DETAIL
1 1/2" = 1'-0"

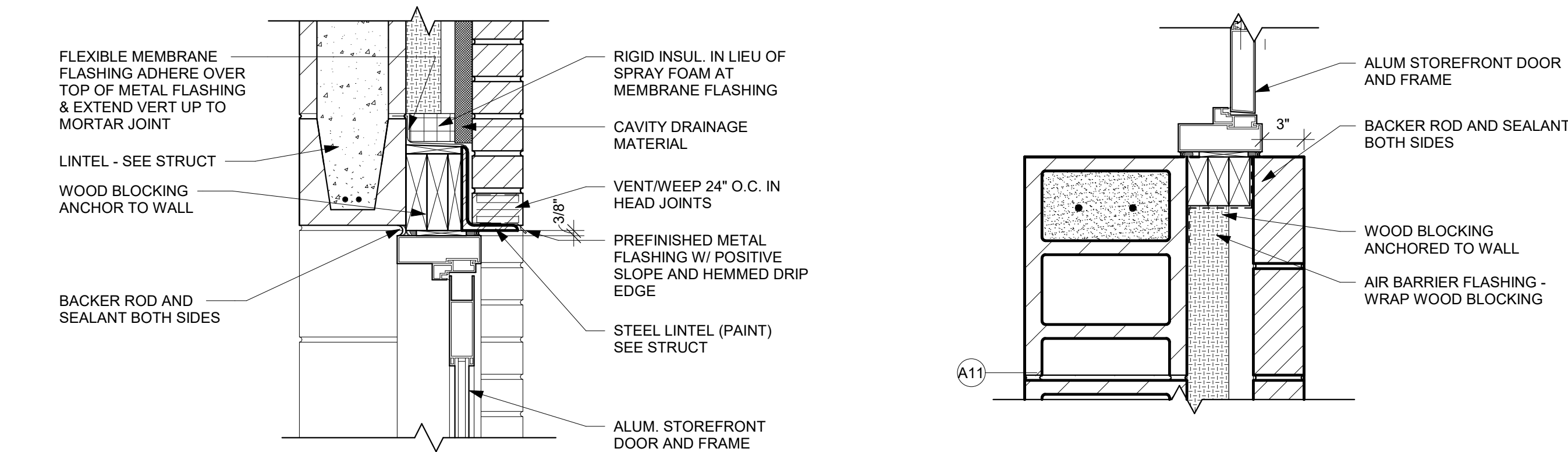


16 DOOR HEAD DETAIL
1 1/2" = 1'-0"



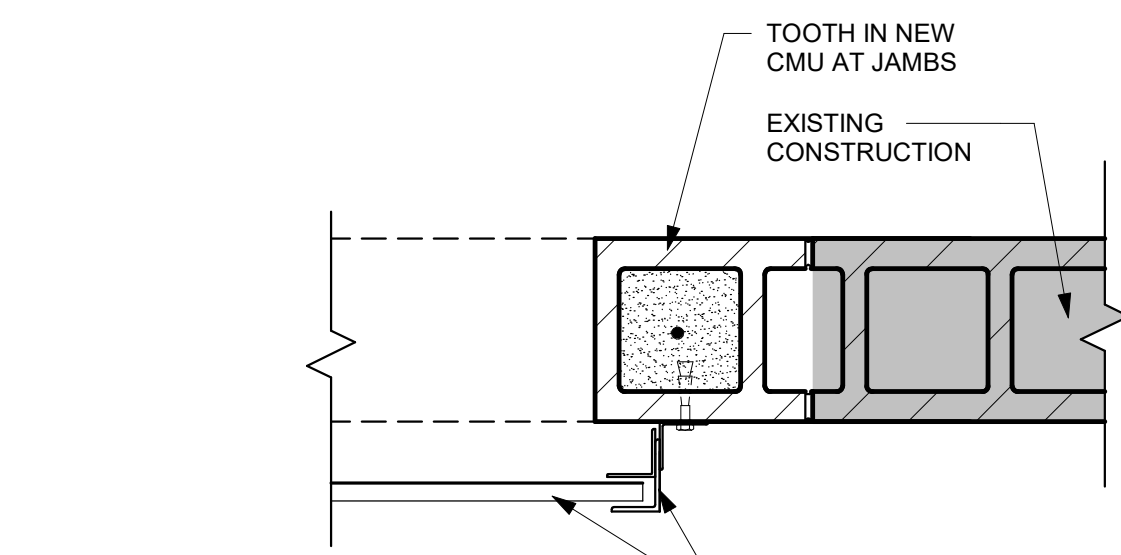
20 DOOR HEAD DETAIL
1 1/2" = 1'-0"

3A511 NOT USED

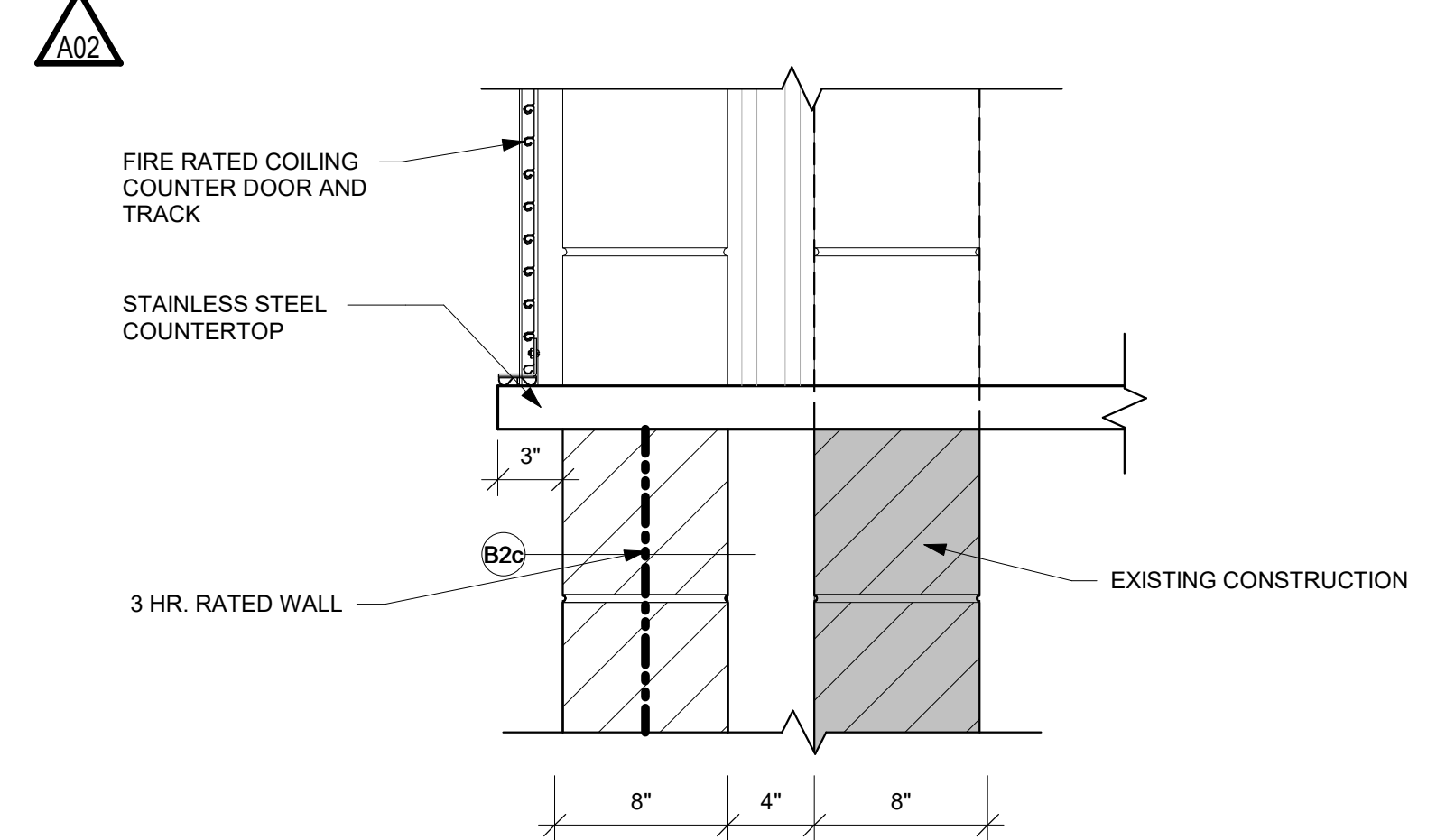


7 DOOR HEAD DETAIL
1 1/2" = 1'-0"

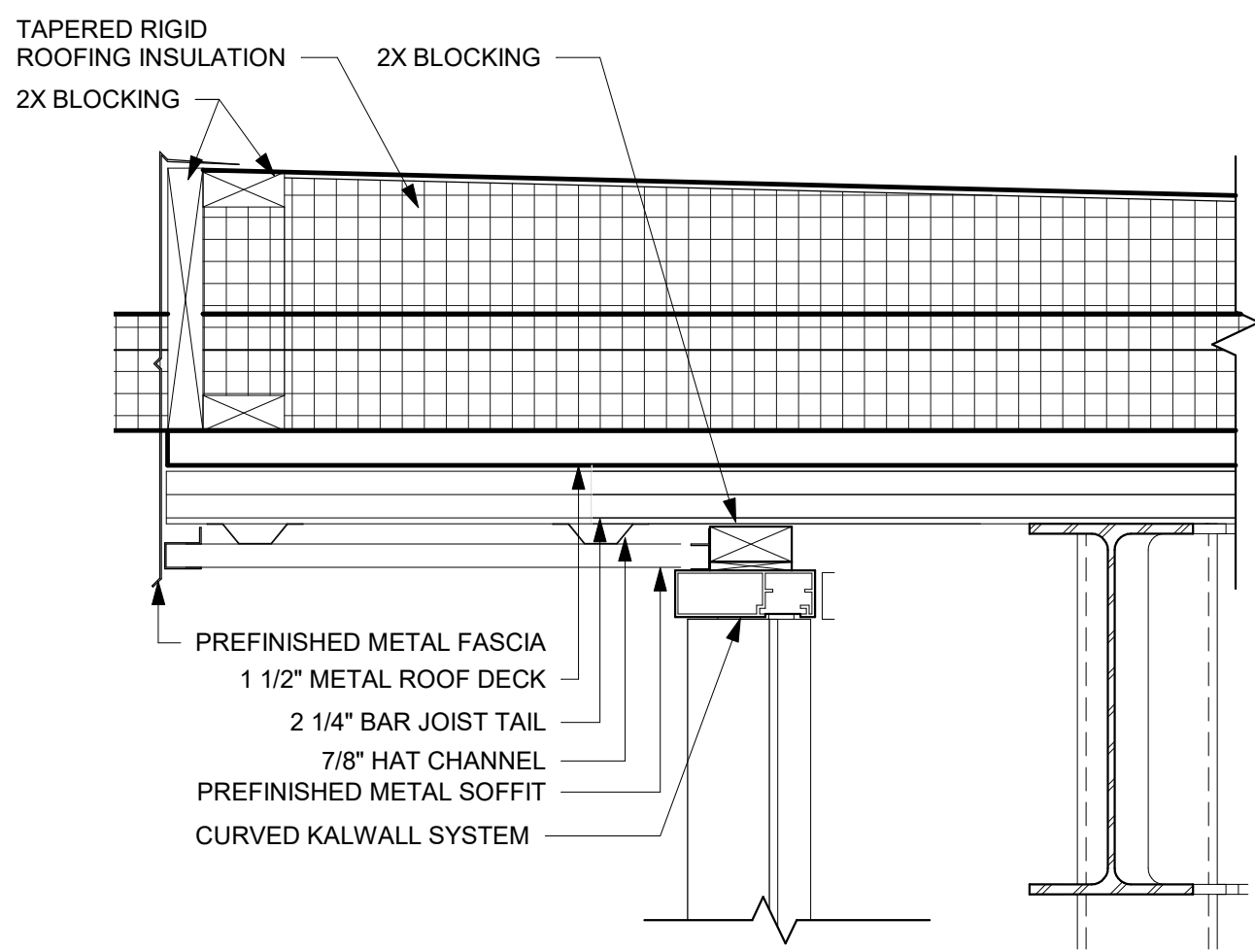
11 DOOR JAMB DETAIL
1 1/2" = 1'-0"



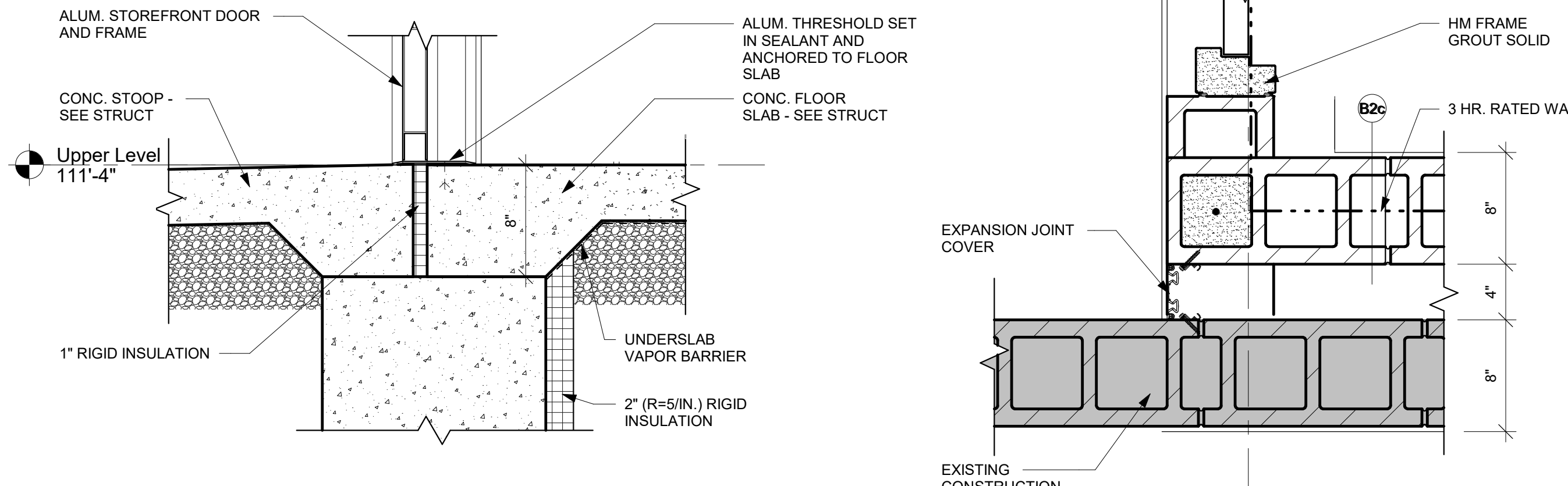
15 DOOR JAMB DETAIL
1 1/2" = 1'-0"



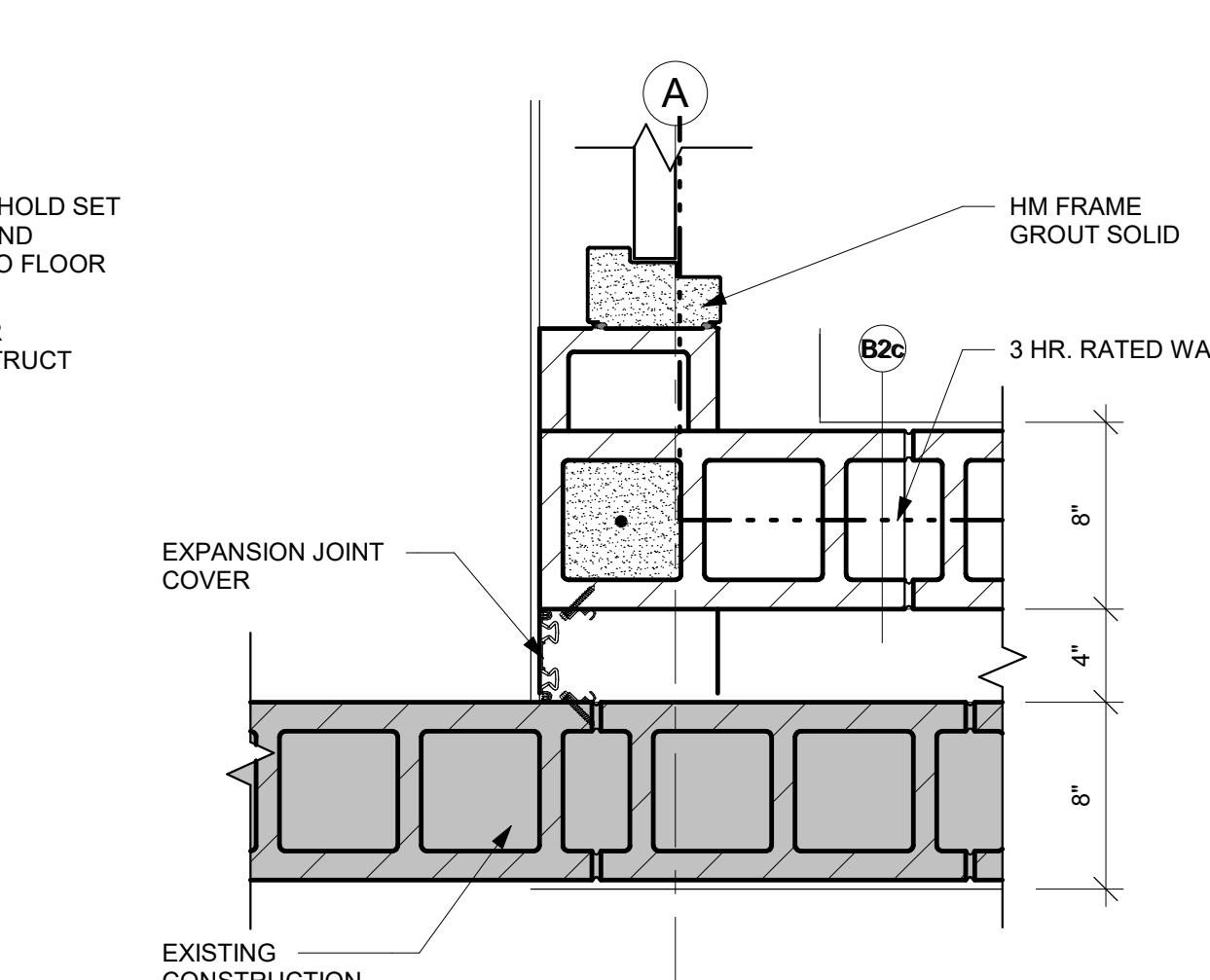
19 DOOR SILL DETAIL
1 1/2" = 1'-0"



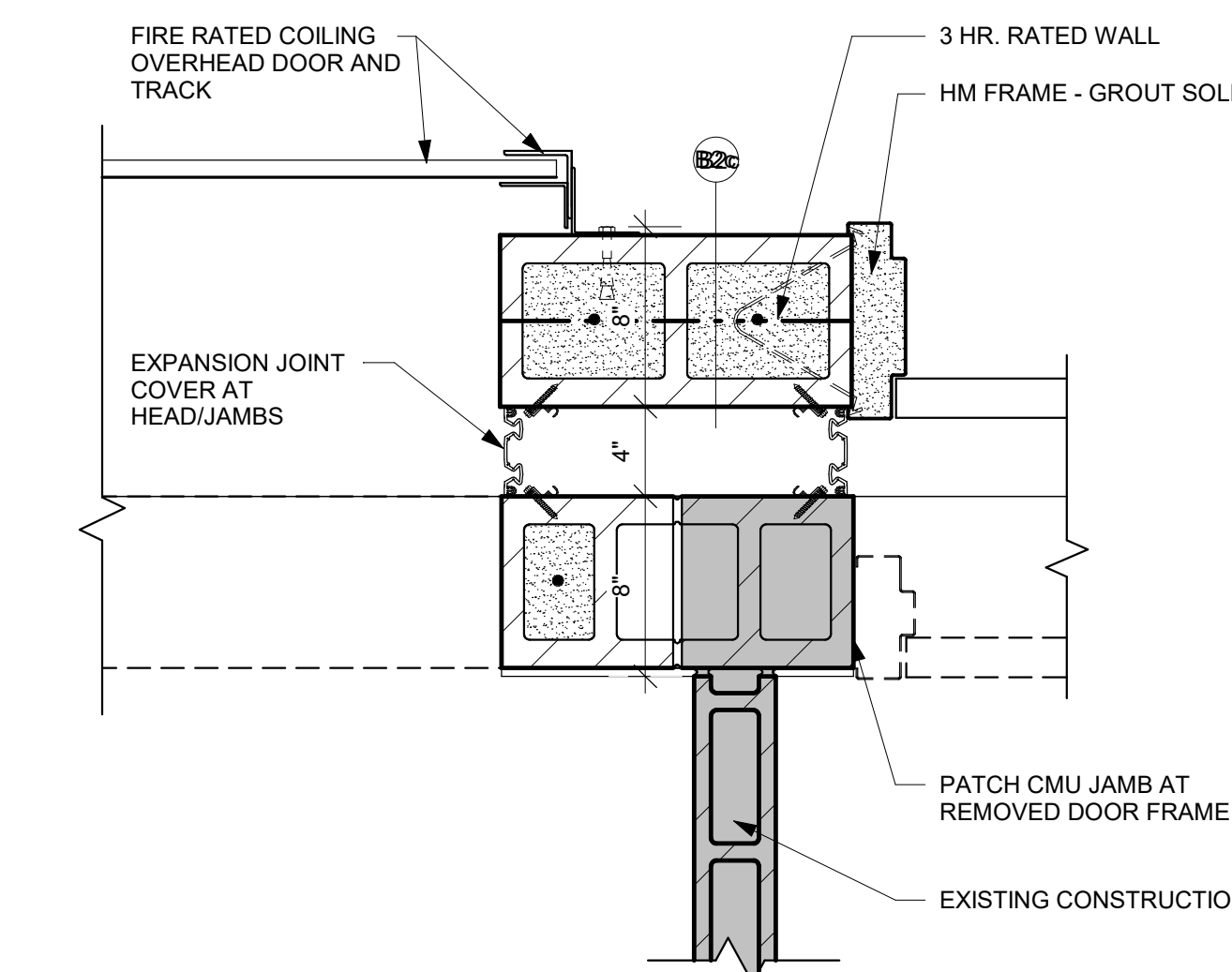
2 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



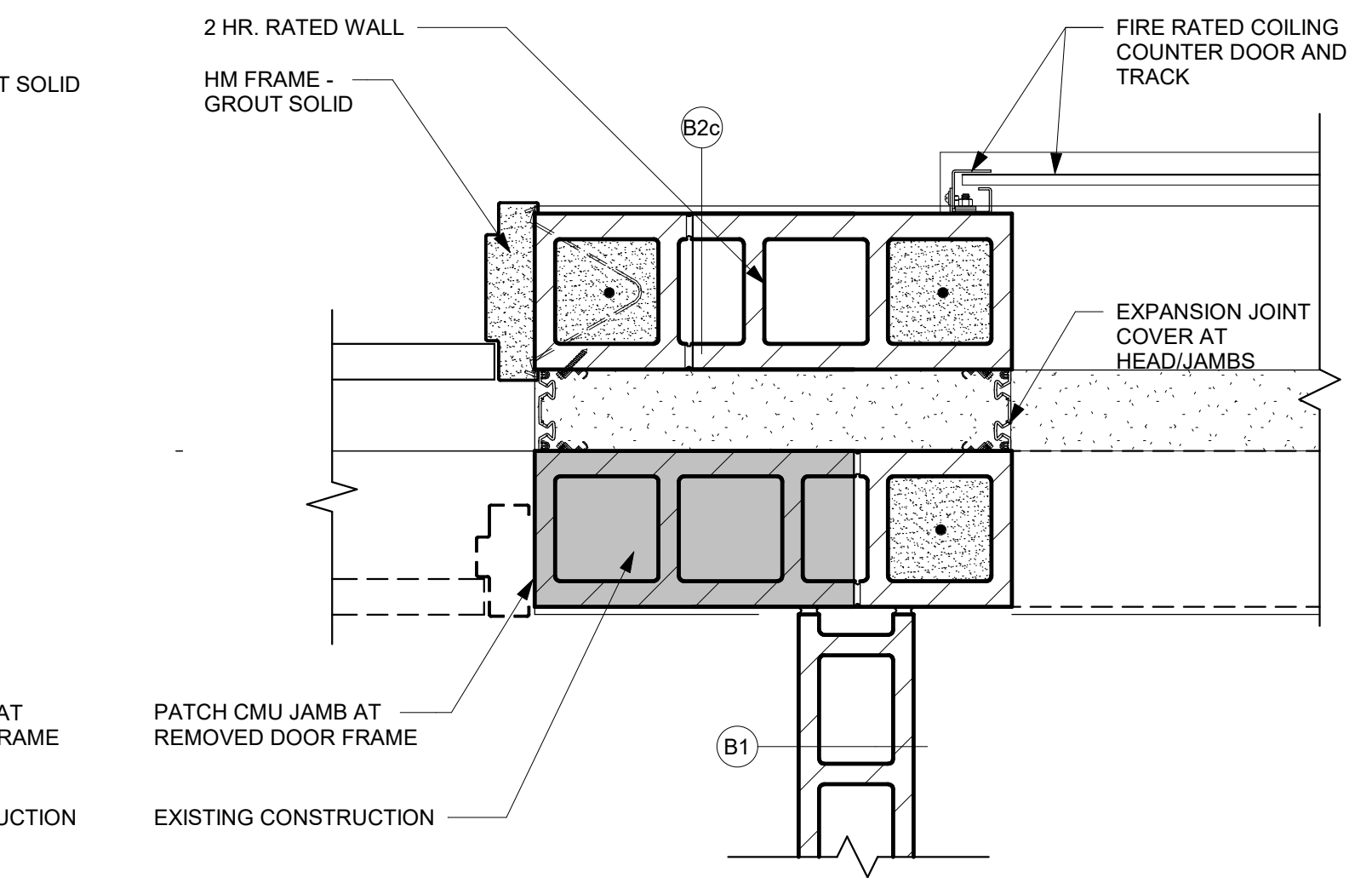
6 DOOR SILL DETAIL
1 1/2" = 1'-0"



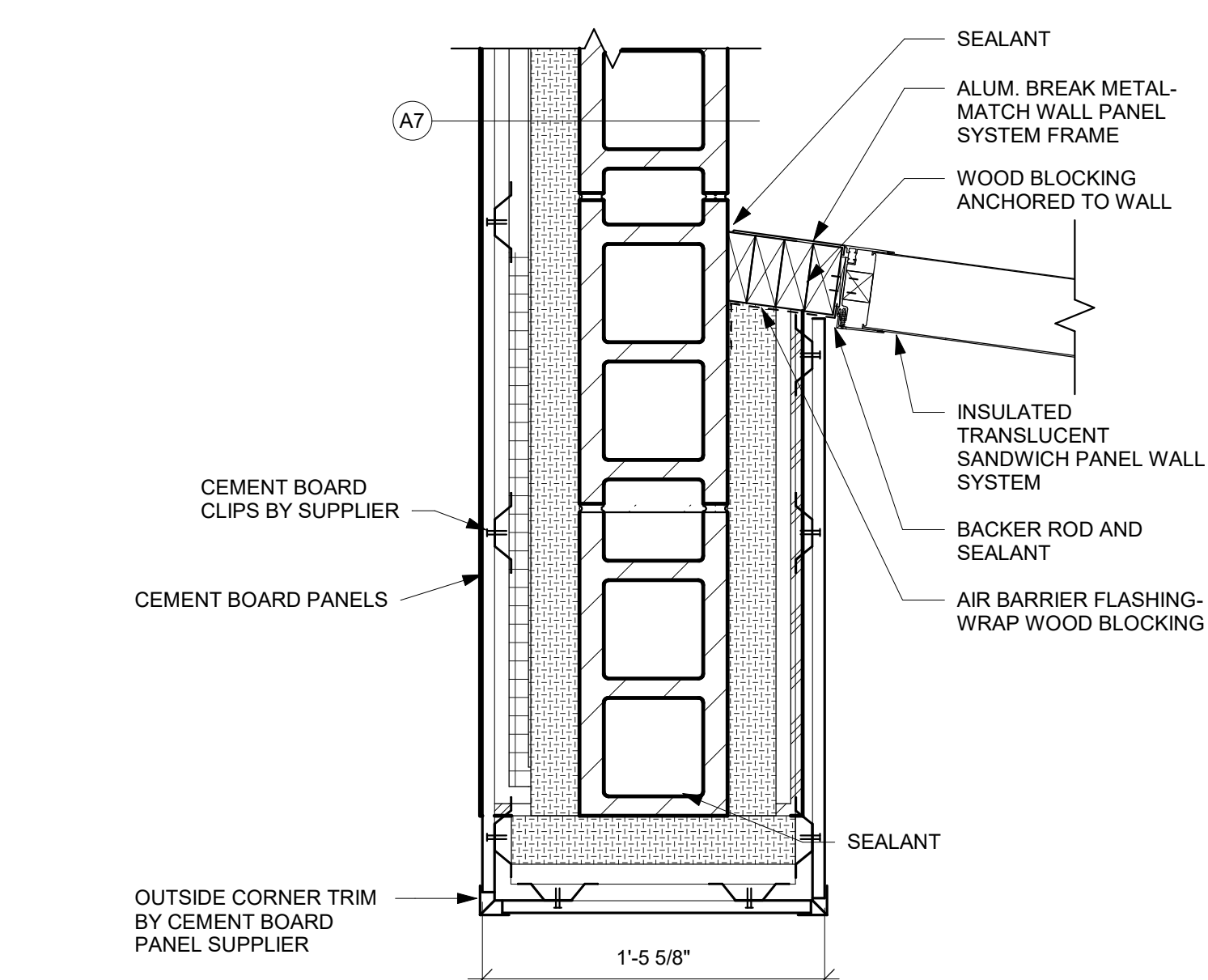
10 DOOR JAMB DETAIL
1 1/2" = 1'-0"



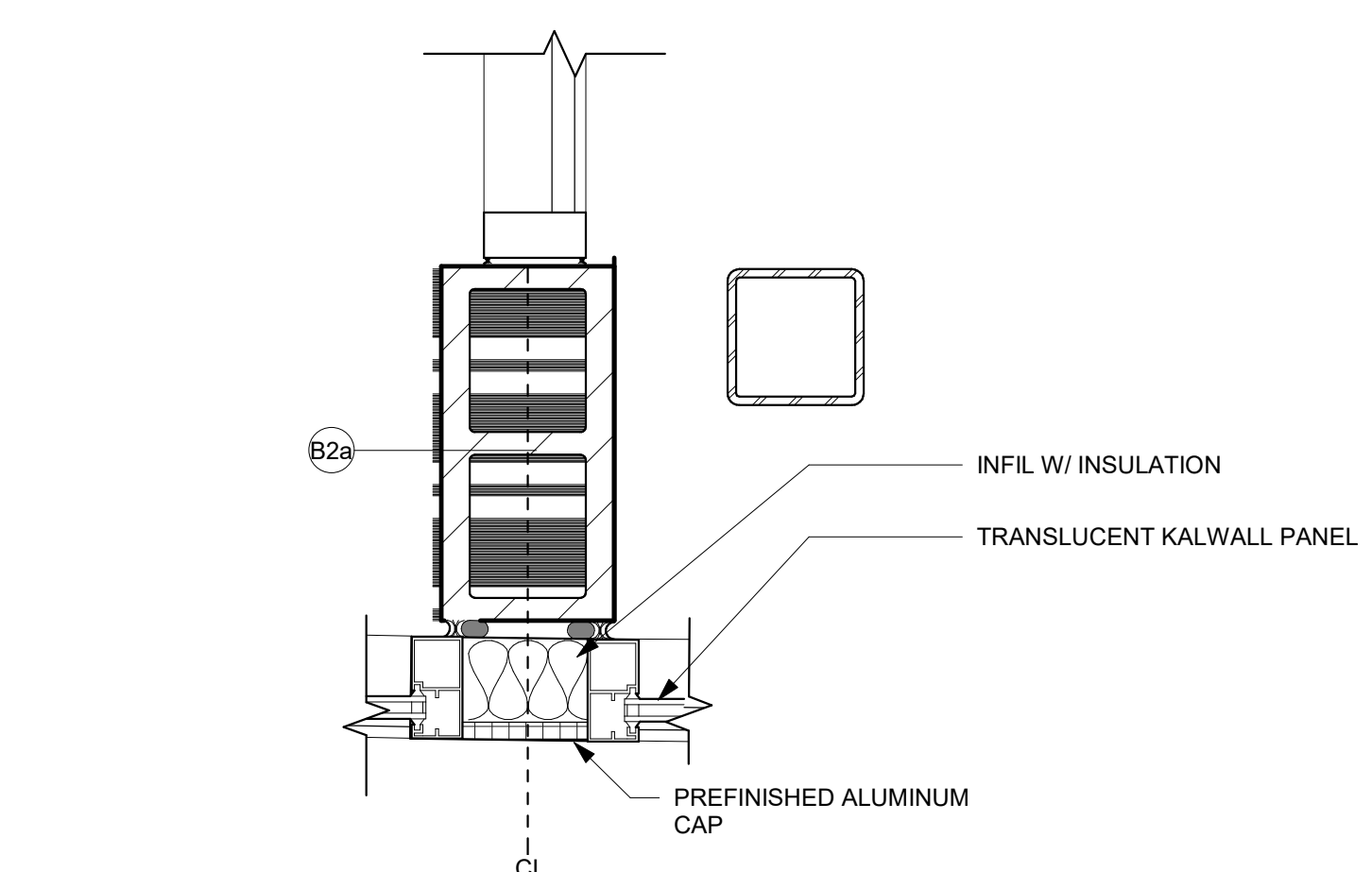
14 DOOR JAMB DETAIL
1 1/2" = 1'-0"



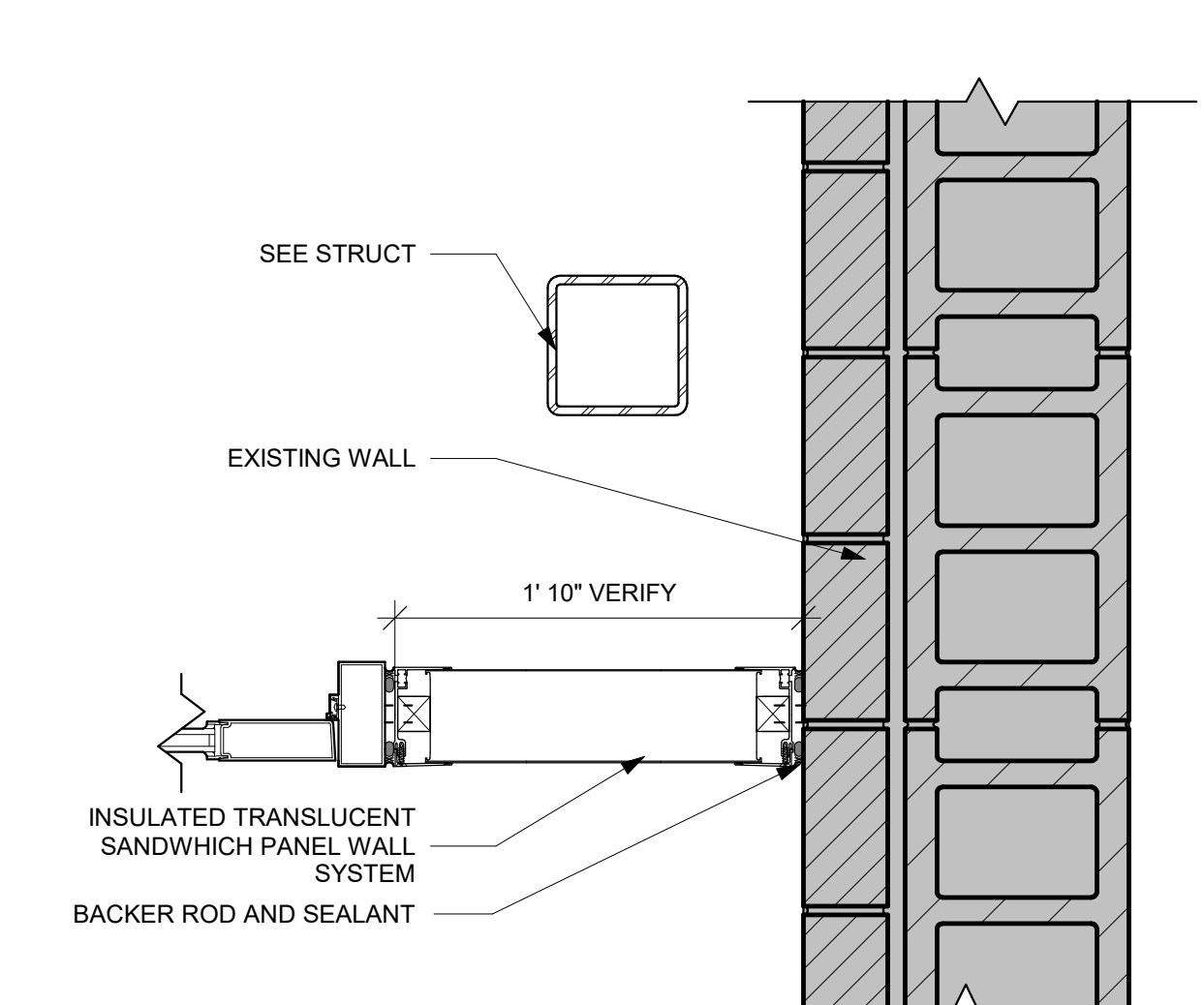
18 DOOR JAMB DETAIL
1 1/2" = 1'-0"



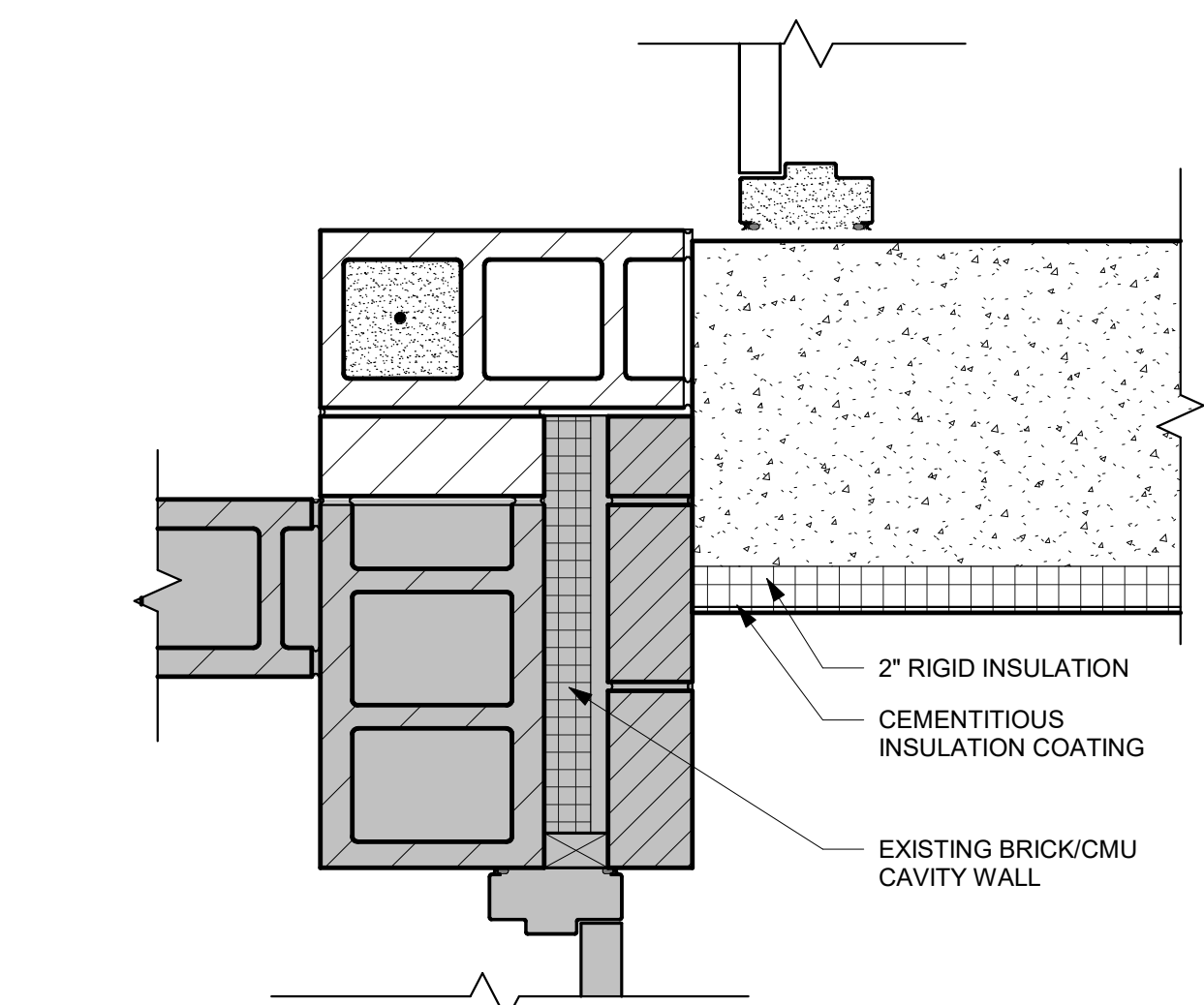
1 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



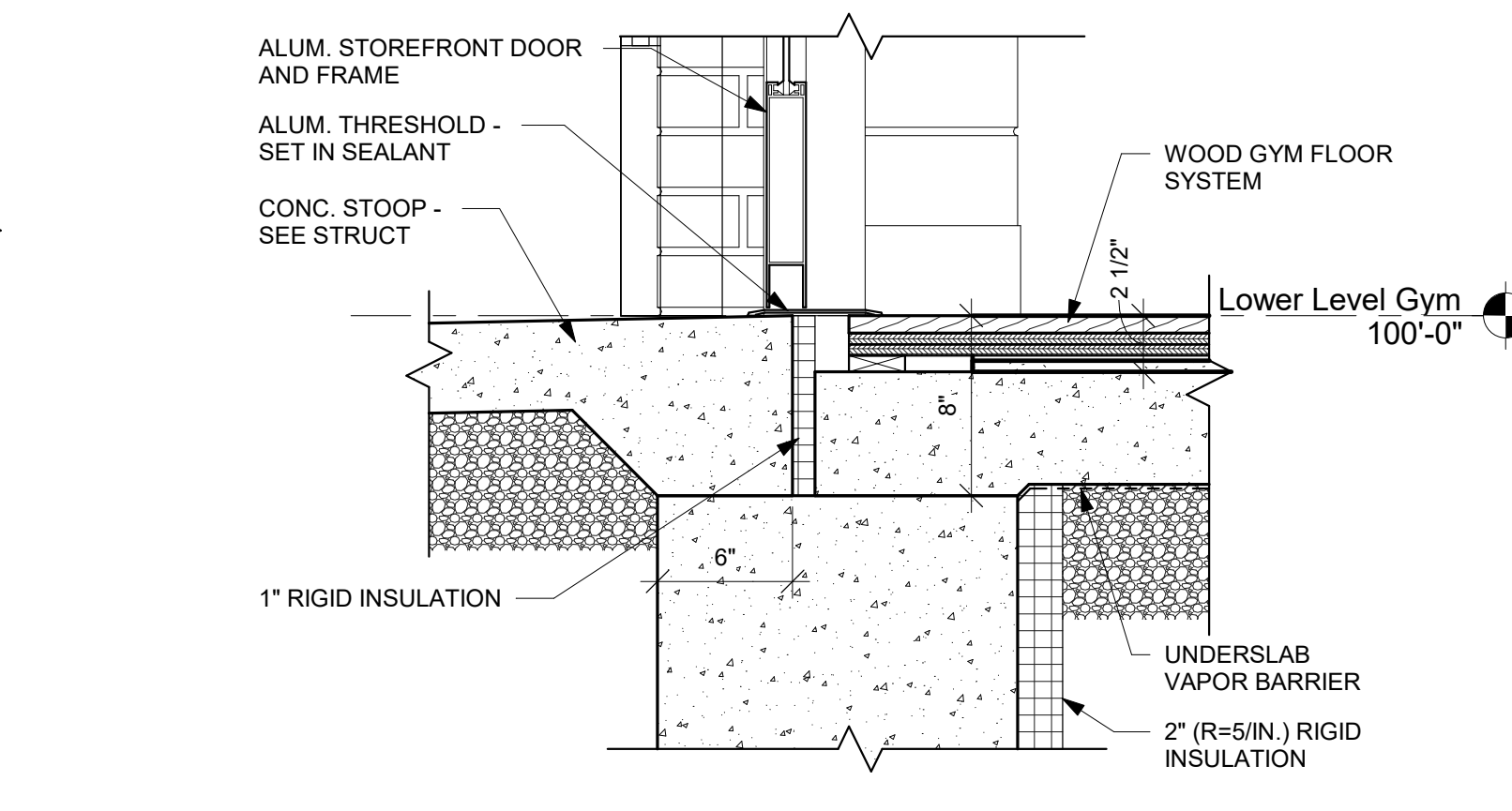
5 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



9 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



13 DOOR JAMB DETAIL
1 1/2" = 1'-0"



17 DOOR SILL DETAIL
1 1/2" = 1'-0"



Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 11311

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - RBID
204 KIRKWOOD ST EAST
LANESBORO, MN 55949

Project Title: HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: DJH

Key Plan:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: VARIES

Last Update: 10/10/2019 10:16:54 AM

A511



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 11313
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - RBID

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

Sheet Title: DETAILS

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: SRW

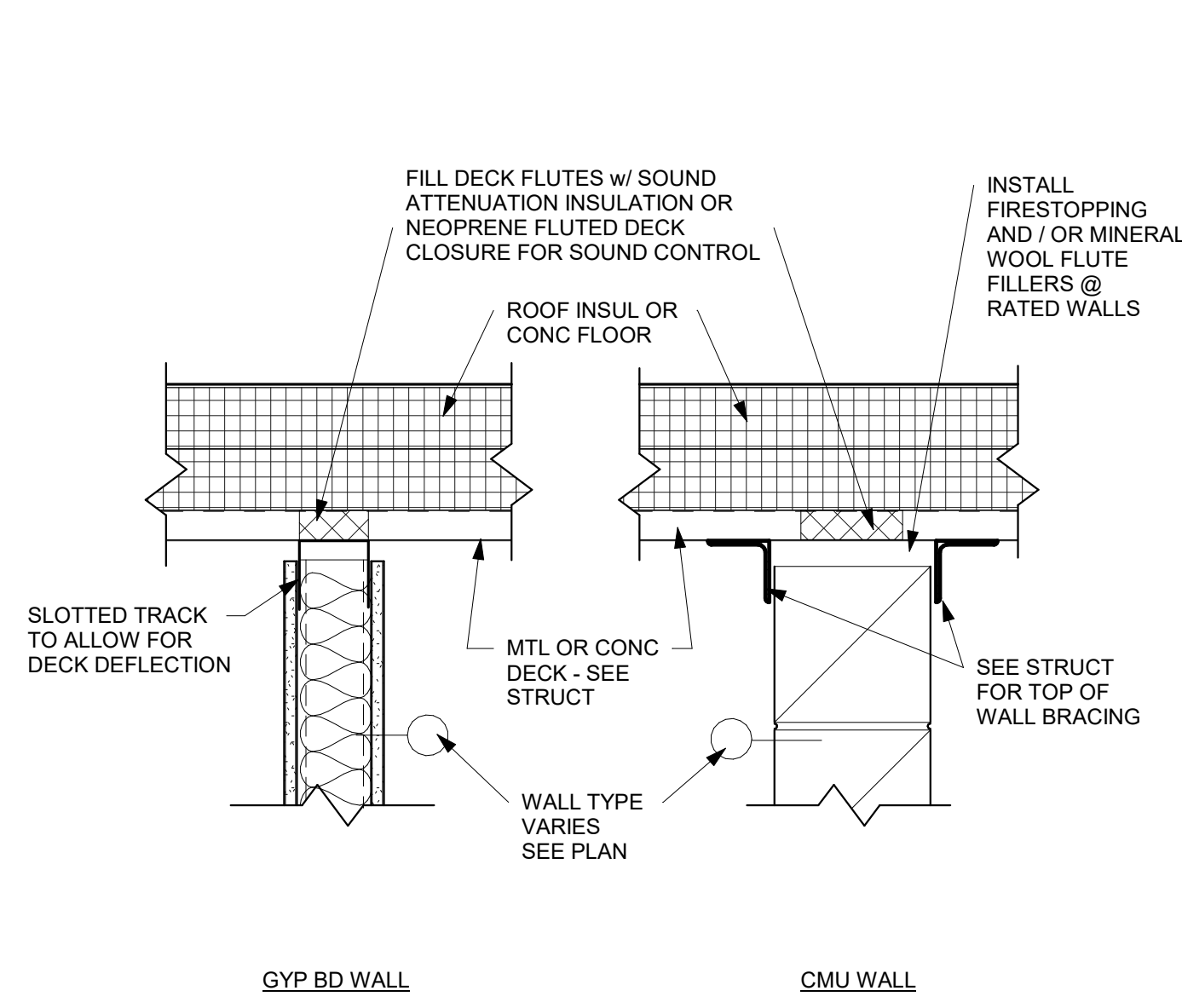
Key Plan:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

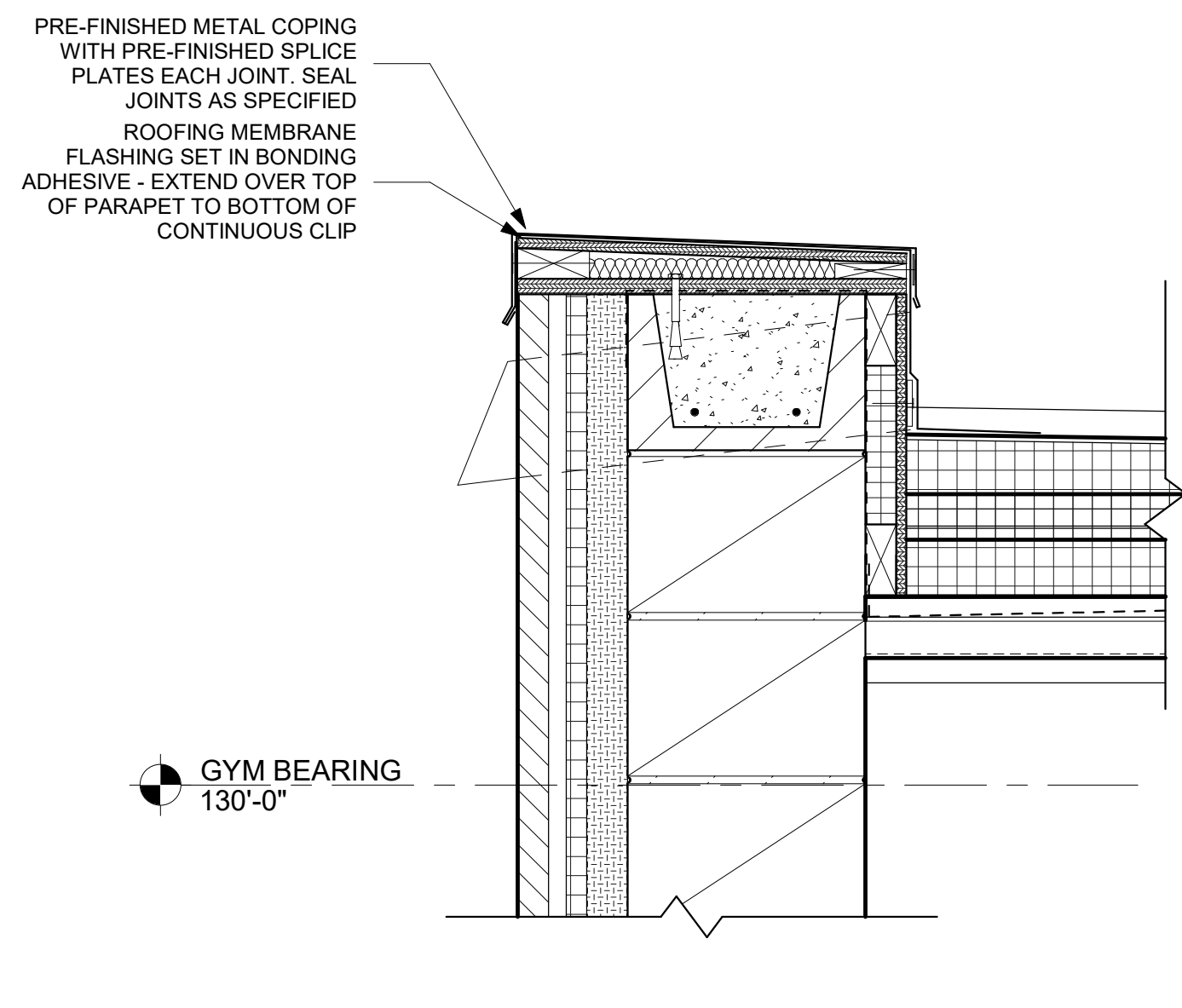
Graphic Scale: VARIES

Last Update: 10/10/2019 10:16:55 AM

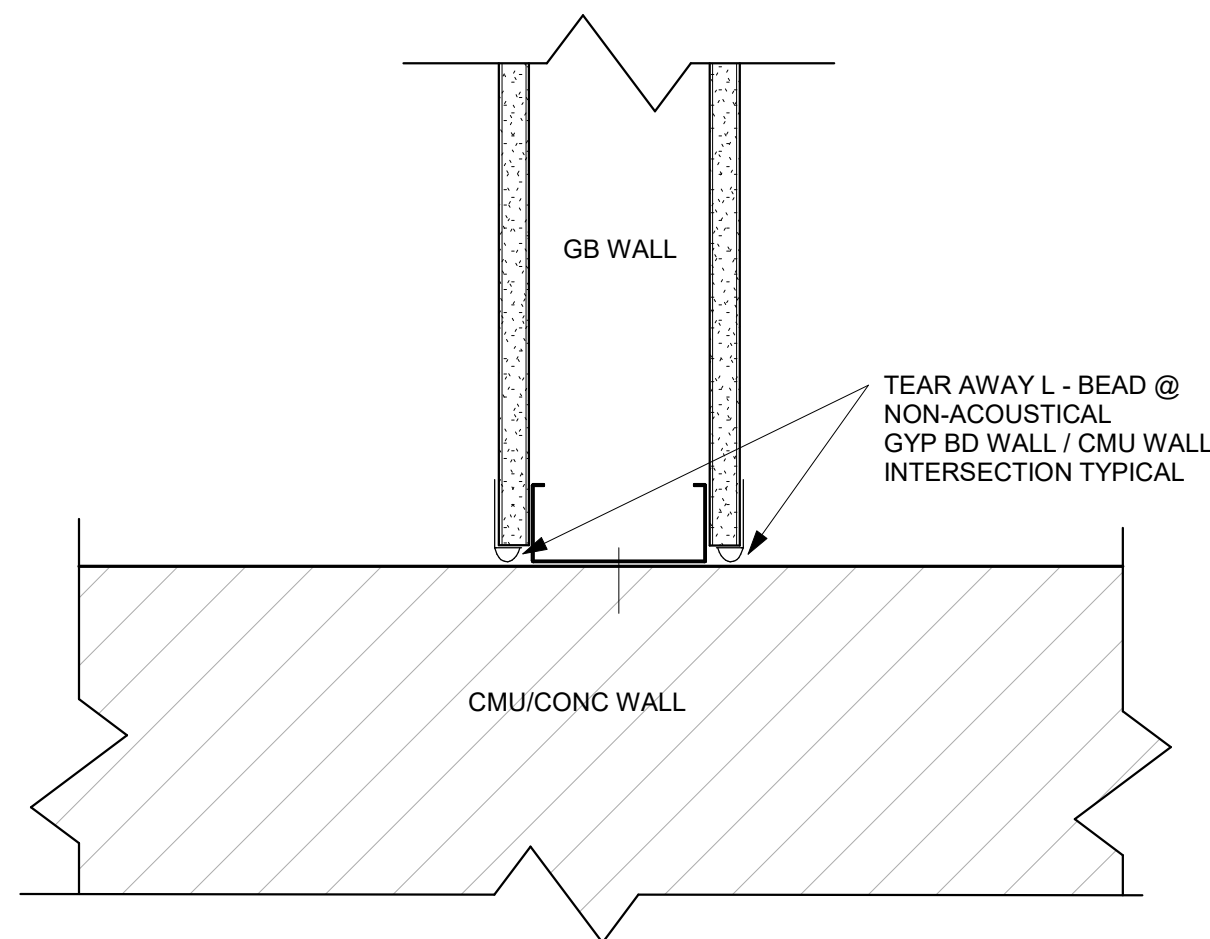
A513



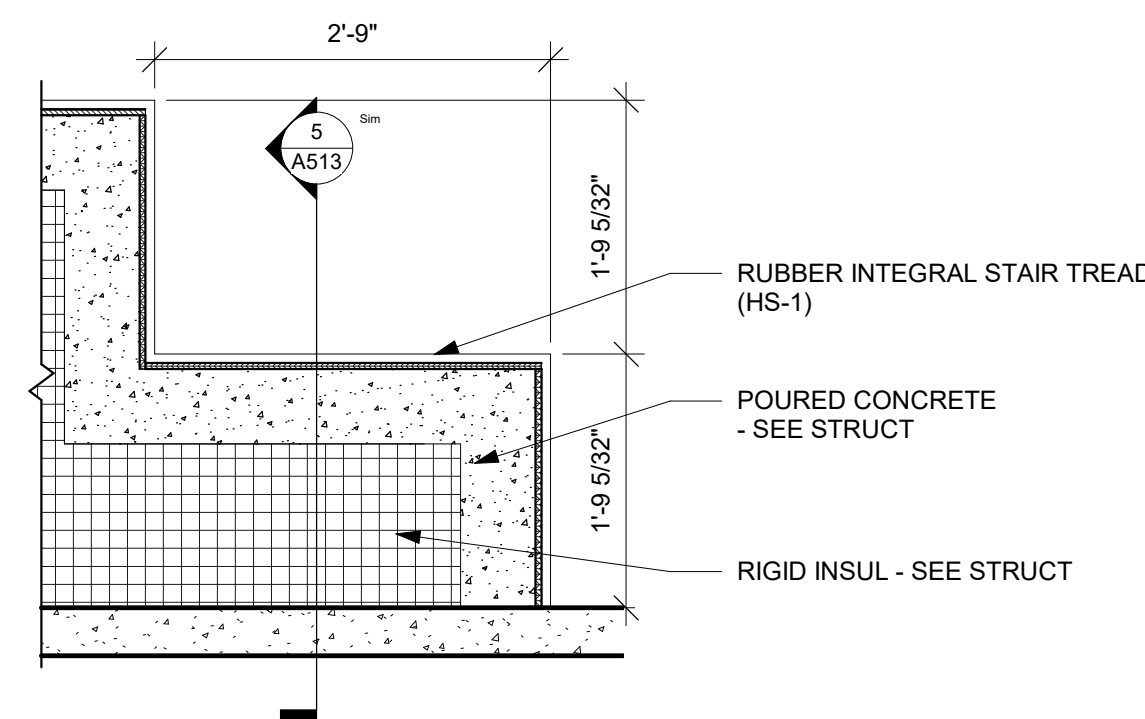
3 WALL DETAIL
1 1/2" = 1'-0"



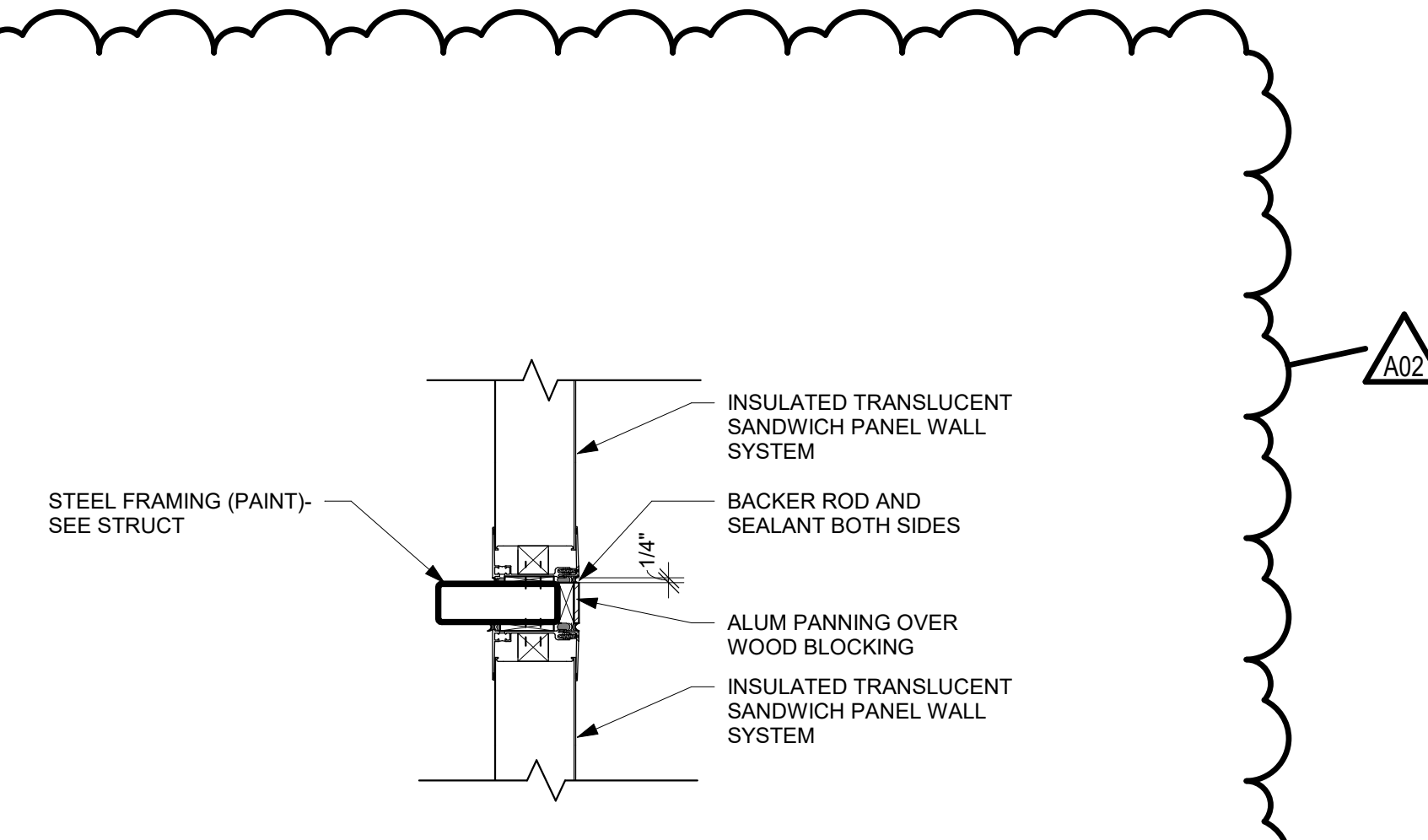
7 ROOF DETAIL
1 1/2" = 1'-0"



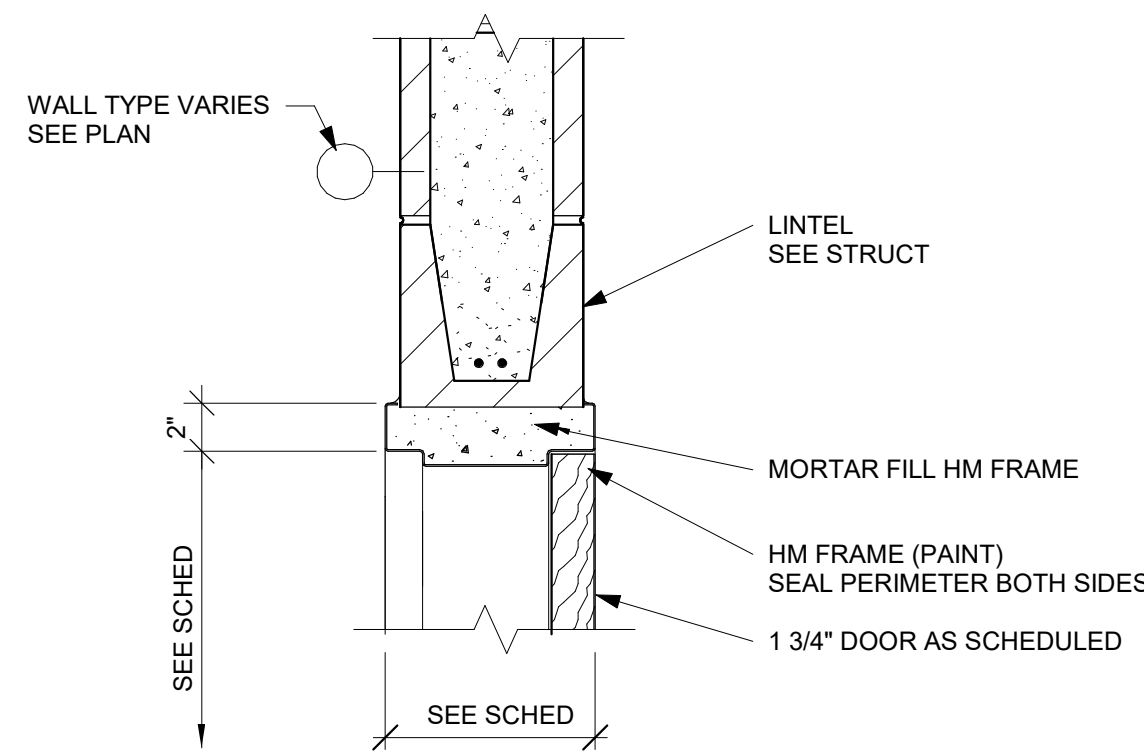
2 WALL DETAIL
3" = 1'-0"



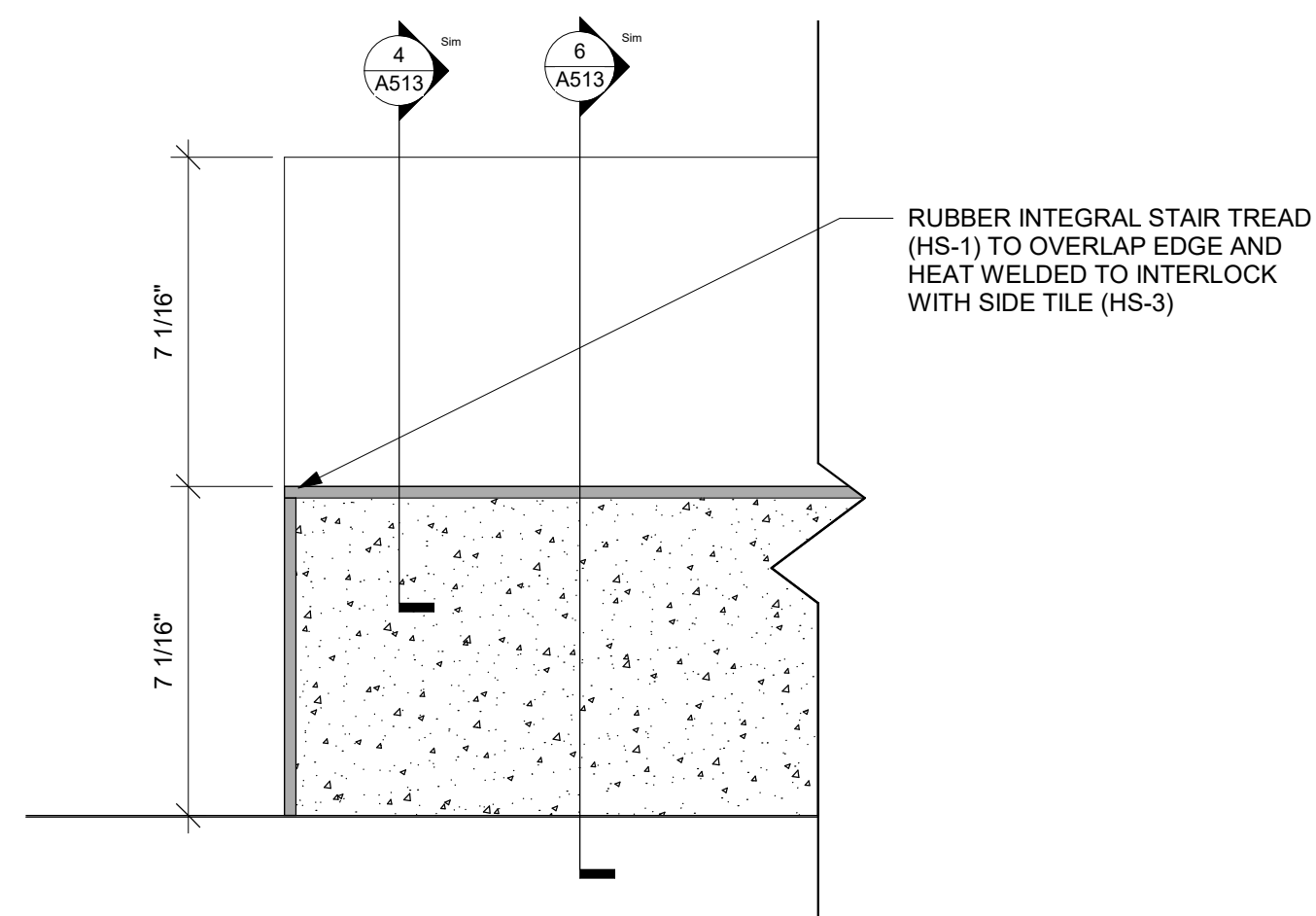
6 STAIR DETAIL
3/4" = 1'-0"



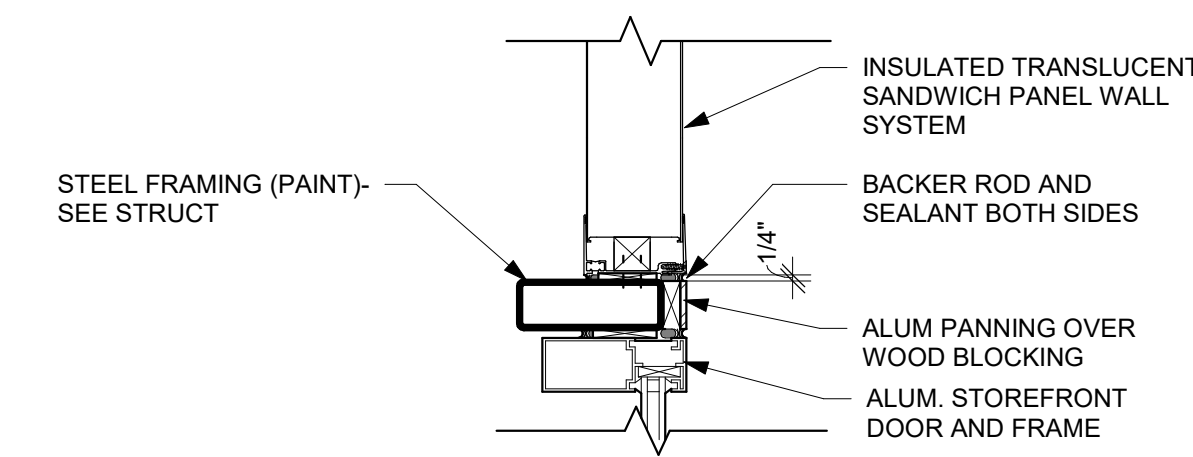
10 MULLION DETAIL
1 1/2" = 1'-0"



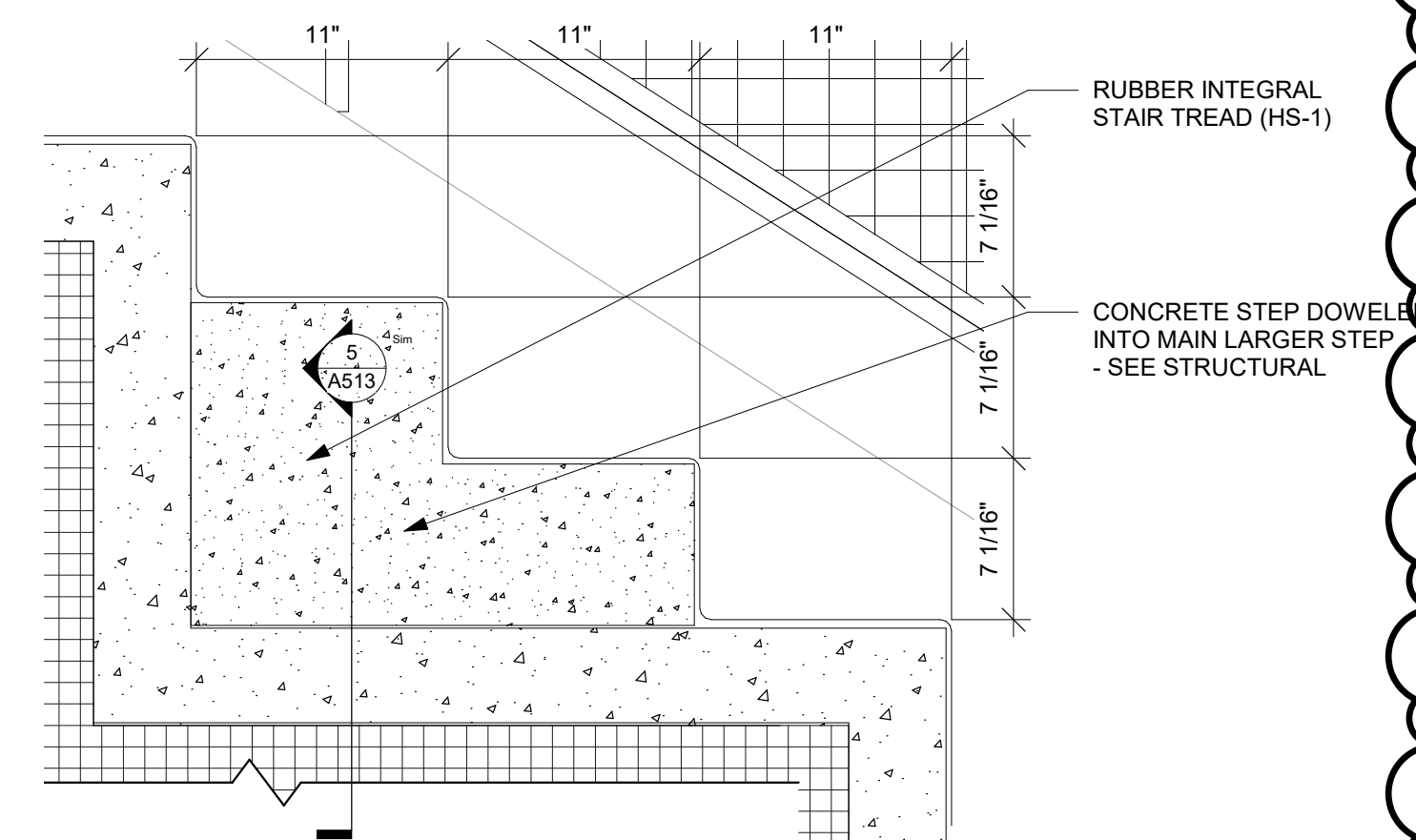
1 DOOR HEAD DETAIL
1 1/2" = 1'-0"



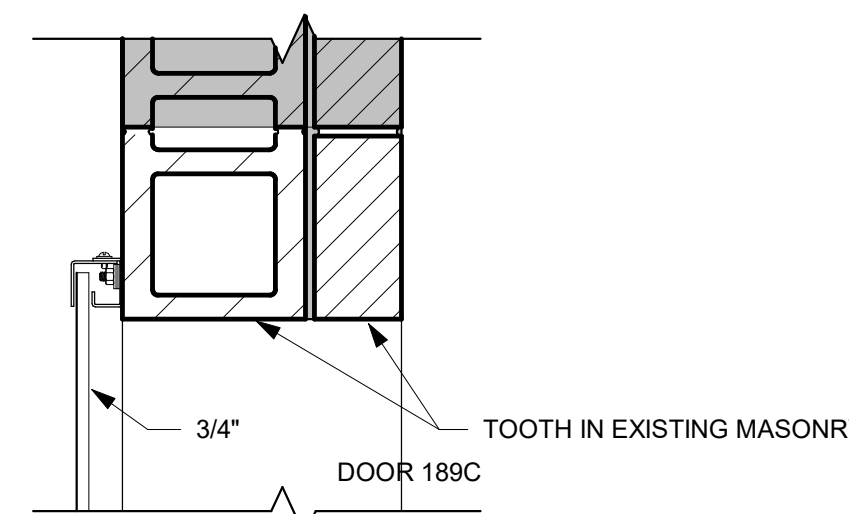
5 STAIR DETAIL
3" = 1'-0"



9 MULLION DETAIL
1 1/2" = 1'-0"



4 STAIR DETAIL
1 1/2" = 1'-0"



8 DOOR JAMB DETAIL
1 1/2" = 1'-0"

SLAB REPLACEMENT DOOR SCHEDULE										
DOOR NO.	DOOR SIZE			DOOR TYPE	GLASS TYPE	FRAME MAT'L	FIRE LABEL	HDWR GROUP	REMARKS	
	W	H	T							
138	6'-0"	7'-0"	1 3/4"	ALUM	GLT-13	ALUM		44		
140C	6'-0"	7'-0"	1 3/4"	HM	D	HM		44		
152	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
163A	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
163B	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
165	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
165A	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
166	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
167	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
168	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
169	3'-0"	7'-0"	1 3/4"	SCWD	A	HM		40		
170	3'-0"	7'-0"	1 3/4"	SCWD	A	HM		41		
171	3'-0"	7'-0"	1 3/4"	SCWD	A	HM		40		
172A	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-25	HM	90 MIN		
175A	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
175B	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
176	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	41		
179	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	41		
181A	3'-0"	7'-0"	1 3/4"	HM	D	HM		44	ROUGH IN FOR FUTURE CONTROL ACCESS	
182	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
183	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
184	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
186A	6'-0"	7'-0"	1 3/4"	ALUM	E	GLT-13	ALUM	44		
187	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
188	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
188A	3'-0"	7'-0"	1 3/4"	HM	B	GLT-13	HM	45		
189	3'-0"	7'-0"	1 3/4"	SCWD	A	HM		40		
189B	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	90 MIN		
218	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
219	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
220A	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
220B	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
221A	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
221B	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
222	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
223	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
223B	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
224A	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
226	3'-0"	7'-0"	1 3/4"	SCWD	A	HM		40		
227	3'-0"	7'-0"	1 3/4"	SCWD	A	HM		40		
228	3'-0"	7'-0"	1 3/4"	SCWD	A	HM		42		
229	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
229B	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
230	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
230C	3'-0"	7'-0"	1 3/4"	SCWD	A	HM		43		
231	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
232	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	39		
234A	6'-0"	7'-0"	1 3/4"	ALUM	E	GLT-13	ALUM	44		

ALL EXISTING FRAMES ARE HOLLOW METAL

NEW DOOR SCHEDULE															
DOOR NO.	DOOR SIZE			DOOR TYPE	GLASS TYPE	FRAME MAT'L	FRAME ELEV	DEPTH	DETAILS			FIRE LABEL	HDWR GROUP	REMARKS	
	W	H	T						HEAD	JAMB	SILL				
100A	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-12	ALUM	HH	6"	7A511	9A511		1	1	
100B	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-12	ALUM	HH	6"	7A511	9A511		1	1	
100C	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-12	ALUM	HH	6"	7A511	9A511		1	1	
100D	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-8	ALUM	HH	4 1/2"	11A512			3	3	
100E	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-8	ALUM	HH	4 1/2"	11A512			3	3	
100F	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-8	ALUM	HH	4 1/2"	11A512			3	3	
101	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-13	HM	BB	8 3/4"	1A512			4A	4A	
102A	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-13	HM	BB	8 3/4"	1A512			4A	4A	
102B	3'-0"	7'-0"	1 3/4"	ALUM	A	GLT-4	HM	BB	8 3/4"	1A512	12A510	6A511	20 MIN	5	5
103	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	5	5
104	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	5	5
105	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	5	5
106A	6'-0"	7'-0"	1 3/4"	SCWD	C	GLT-4	HM	DD	5 3/4"	2A512			20 MIN	7A	7A
106B	3'-0"	7'-10"	1 3/4"	HM	E	20 MIN GLASS	HM	DD	2A603				20 MIN	8A	8A
107	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	4A	4A
108A	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	4A	4A
108B	3'-0"	7'-0"	1 3/4"	HM	A	GLT-4	HM	AA	8 3/4"	1A512			20 MIN	5	5
109	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	5	5
110	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	5	5
111A	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	5	5
111B	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	2A512			20 MIN	9	9
112A	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	9	9
113	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	2A512			20 MIN	10	10
114	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	2A512			20 MIN	11	11
115	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	2A512			20 MIN	11	11
116	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	2A512			20 MIN	11	11
117A	6'-2"	7'-5"	1 3/4"	ALUM	F	GLT-13	ALUM	18A602	4 1/2"	7A511	10A511	13A500	20 MIN	12	12
117BT	6'-6"	7'-0"	1 3/4"	SCWD	D	20 MIN GLASS	HM	BB	8 3/4"	7A511	10A511	13A500	20 MIN	14	14
117ST1	3'-0"	7'-2"	1 3/4"	SCWD	E	20 MIN GLASS	HM	BB	8 3/4"	7A511	10A511	13A500	20 MIN	47	47
118A	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	2A512	18A612	13A500	20 MIN	14	14
118B	6'-0"	7'-0"	1 3/4"	SCWD	C	GLT-4	HM	FF	5 3/4"	2A512			20 MIN	14	14
118C	8'-0"	8'-0"	2"	Steel	L	GLT-8	Steel		0"					3	3
118D	8'-0"	8'-0"	2"	Steel	L	GLT-8	Steel		0"					3	3
118E	8'-0"	8'-0"	2"	Steel	L	GLT-8	Steel		0"					3	3
118F	8'-0"	8'-0"	2"	Steel	L	GLT-8	Steel		0"					3	3
118G	8'-0"	8'-0"	2"	Steel	L	GLT-8	Steel		0"					3	3
118H	6'-0"	7'-0"	1 3/4"	ALUM	E	GLT-13	ALUM	AA	4 1/2"	10A512			20 MIN	14	14
127A	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	AA	8 3/4"	1A513			180 MIN	16	16
140A	6'-0"	7'-0"	1 3/4"	ALUM	C	GLT-13	ALUM	AA	5 3/4"	1A513	10A511			10	10
140B	6'-0"	7'-0"	1 3/4"	ALUM	C	GLT-13	ALUM	AA	5 3/4"	1A513	10A511			10	10
152A	6'-0"	7'-0"	1 3/4"	ALUM	C	GLT-13	ALUM	AA	6"	1A513	1A512			10	10
152C	8'-0"	7'-0"	1 3/4"	HM	C	GLT-4	HM	BB	8 3/4"	1A512			90 MIN	19	19
152E	3'-4"	7'-0"	1 3/4"	HM	A	GLT-4	HM	BB	8 3/4"	1A512			90 MIN	19	19
157A	3'-0"	7'-0"	1 3/4"	HM	B	GLT-25	HM	AA	8 3/4"	2A511	1A511			14	14
157B	5'-0"	6'-0"		K			K			2A511	1A511			4	4
157C	5'-0"	6'-0"		K			K			2A511	1A511			4	4
157D	3'-4"	7'-0"	1 3/4"	HM	A	GLT-4	HM	AA	8 3/4"	1A513	1A511			23	23
157E	5'-0"	6'-0"		K			K			2A511	1A511			5	5
157F	3'-4"	7'-0"	1 3/4"	HM	B	GLT-4	HM	AA	8 3/4"	1A513	1A511			22	22
161A	6'-0"	7'-0"	1 3/4"	HM	A	GLT-4	HM	AA	8 3/4"	1A513	1A511			22	22
161B	6'-0"	7'-0"	1 3/4"	HM	D	GLT-4	HM	FF	8 3/4"	1A513	1A511			1	1
164A	8'-0"	7'-0"	1 3/4"	HM	C	GLT-4	HM	AA	8 3/4"	1A513	1A511			14	14
166D	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	25	25
166E	3'-4"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	BB	8 3/4"	1A512			20 MIN	25	25
172A	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-25	HM	BB	8 3/4"	1A513			90 MIN	26	26
172B	3'-0"	7'-0"	1 3/4"	SCWD	B	20 MIN GLASS	HM	AA	8 3/4"	1A513			20 MIN	26	26
173	3'-0"	7'-0"	1 3/4"	SCWD	A	GLT-4	HM	AA	8 3/4"	1A513			20 MIN	26	26
188A	3'-0"	7'-0"	1 3/4"	HM	A	GLT-4	HM	AA	8 3/4"	1A513			20 MIN	26	26
188B	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	HM	BB	8 3/4"	1A513			90 MIN	4	4
189C	6'-0"	10'-0"	2"	K			K			1A513	1A511			10	10
189D	6'-0"	7'-0"	1 3/4"	HM	D	GLT-4	HM	AA	8 3/4"	1A513	1A513			27	27
200A	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-13	ALUM	1A602	4 1/2"	10A512			20 MIN	28	28
200B	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-13	ALUM	1A602	4 1/2"	10A512			20 MIN	28	28
200C	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-13	ALUM	1A602	4 1/2"	10A512			20 MIN	28	28
200D	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-13	ALUM	1A602	4 1/2"	10A512			20 MIN	28	28
200E	3'-0"	7'-0"	1 3/4"	HM	E	GLT-4	HM	5A603	8 3/4"	1A512			20 MIN	31	31
200F	3'-0"	7'-0"	1 3/4"	HM	E	GLT-4	HM	5A603	8 3/4"	1A512			20 MIN	31	31
200G	3'-0"	7'-0"	1 3/4"	HM	E	GLT-4	HM	5A603	8 3/4"	1A512			20 MIN	30	30
200H	3'-0"	7'-0"													



Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 113131
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 9, 2019 Lic No: 58867
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - RBID

204 KIRKWOOD ST EAST
LANESBORO, MN 55949

EXTERIOR FRAME ELEVATIONS

Project Title: HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: SRW

Key Plan:



KEY PLAN

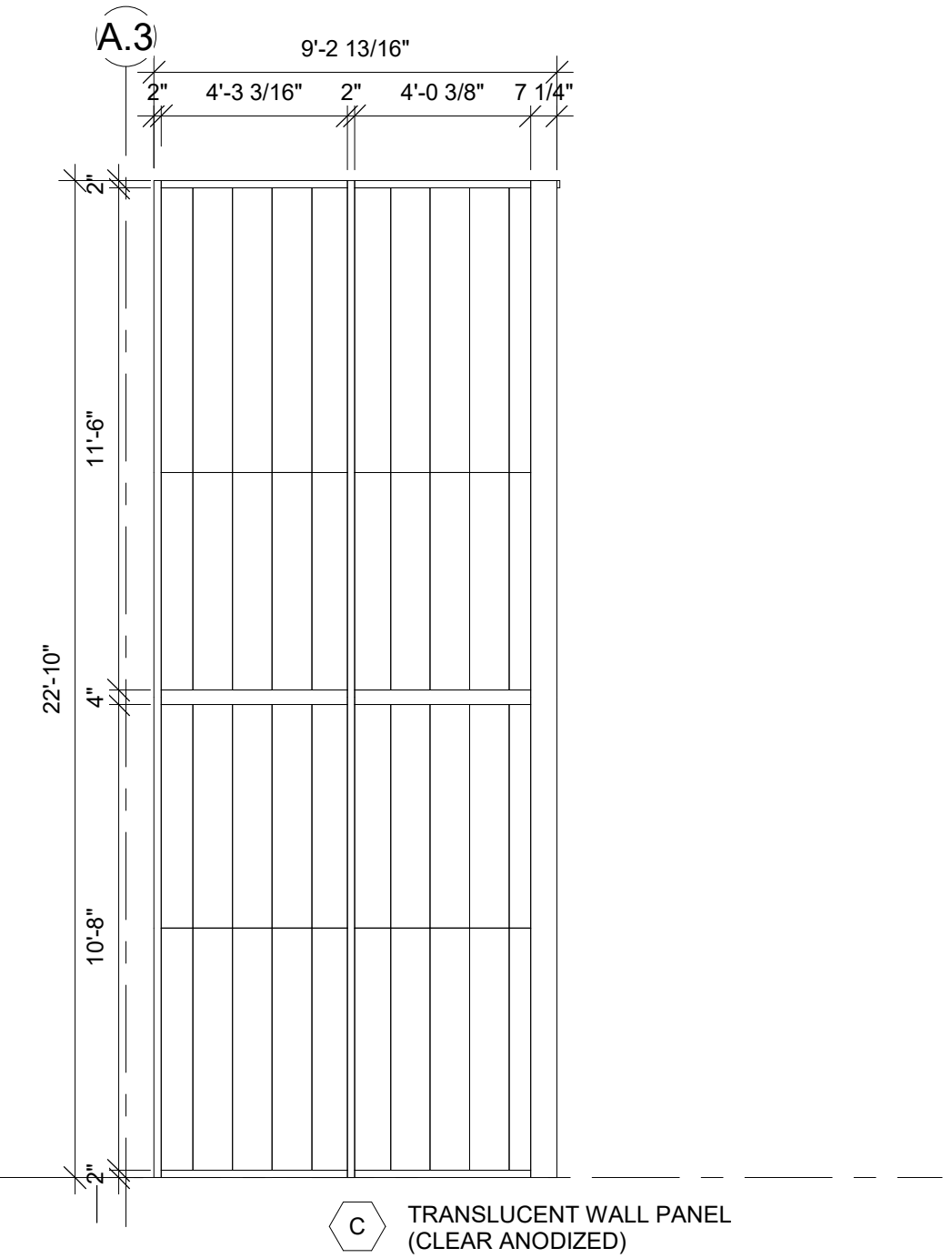
No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: 0 1' 2' 4' 6'

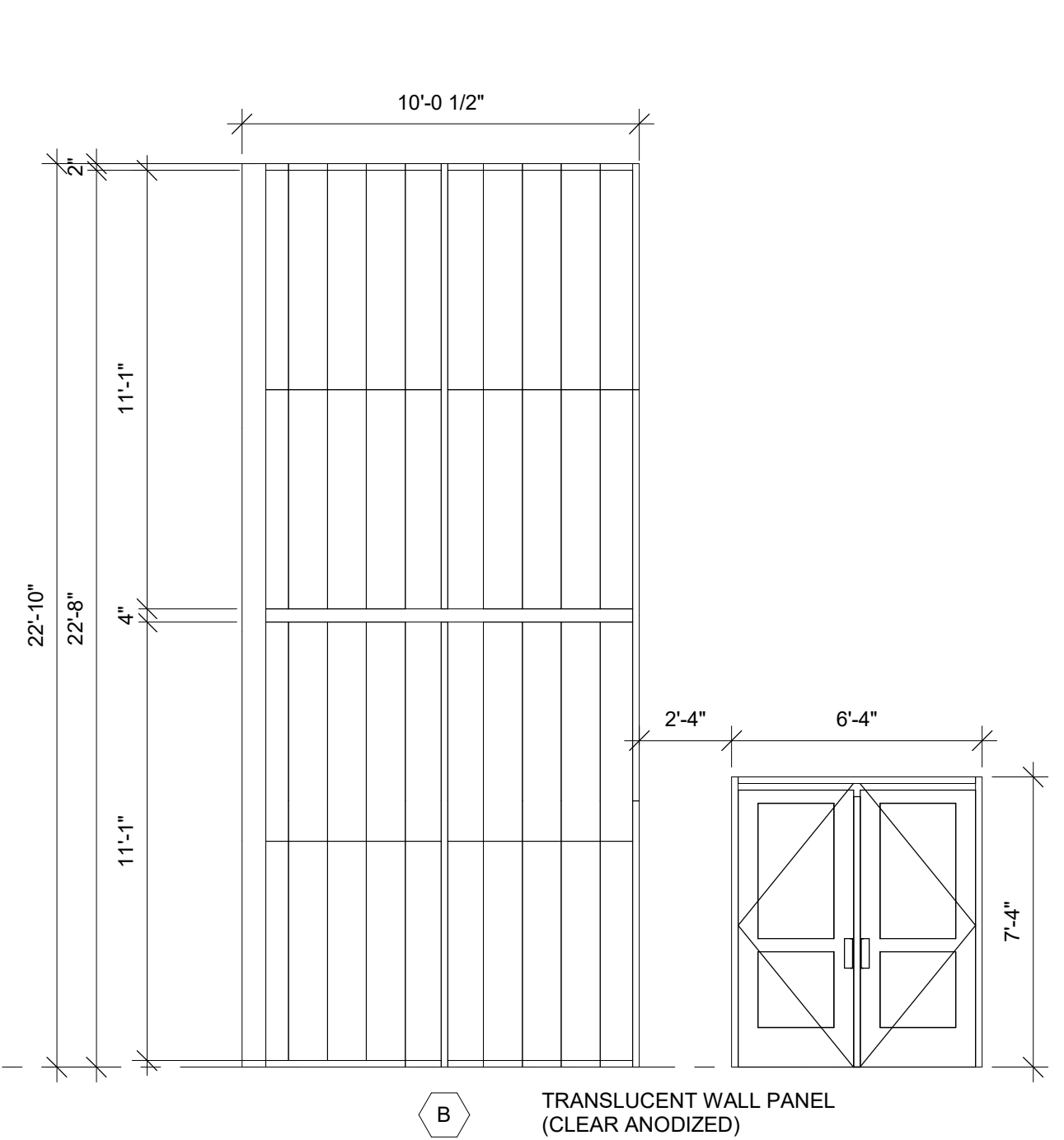
Last Update: 10/10/2019 10:17:02 AM

A602

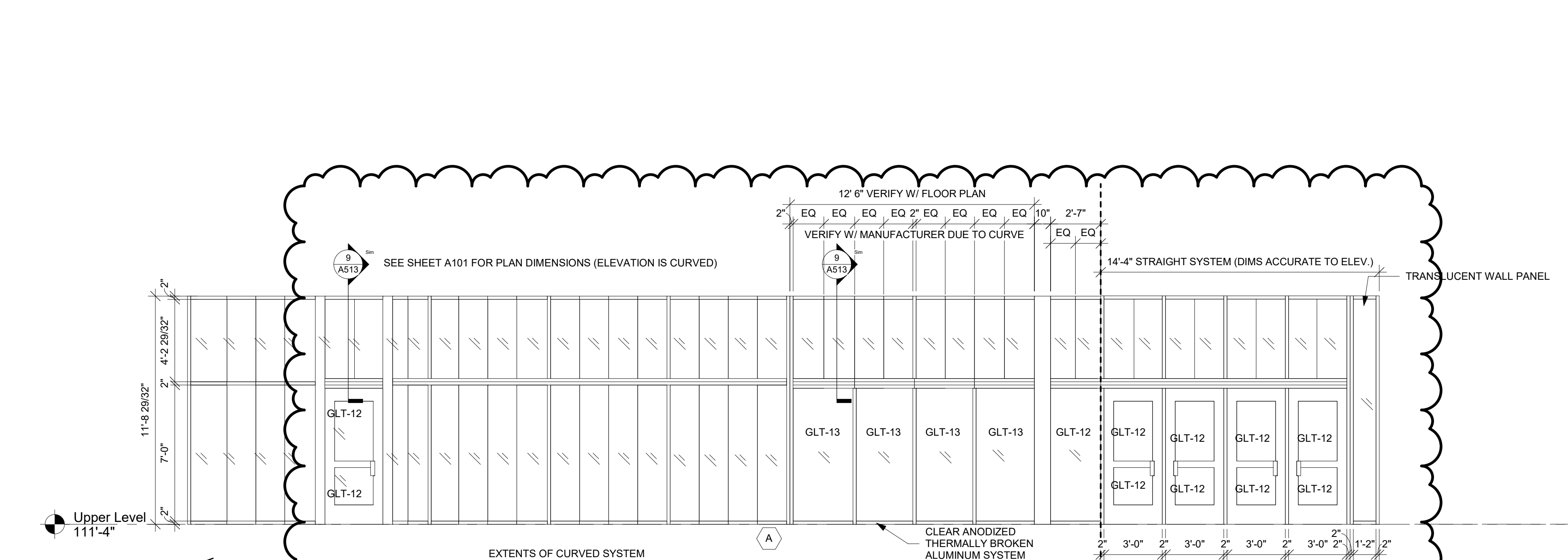
ALUMINUM FRAMES
1. GLT-X INDICATES GLASS TYPES - SEE SPEC.
2. UNLESS NOTED OTHERWISE ALL FRAMES SHOWN ON THIS SHEET SHALL BE 6" ALUMINUM STOREFRONT.
3. FIELD VERIFY ALL FRAME OPENINGS.
4. FOR GLASS TYPE IN DOORS SEE DOOR SCHEDULE.



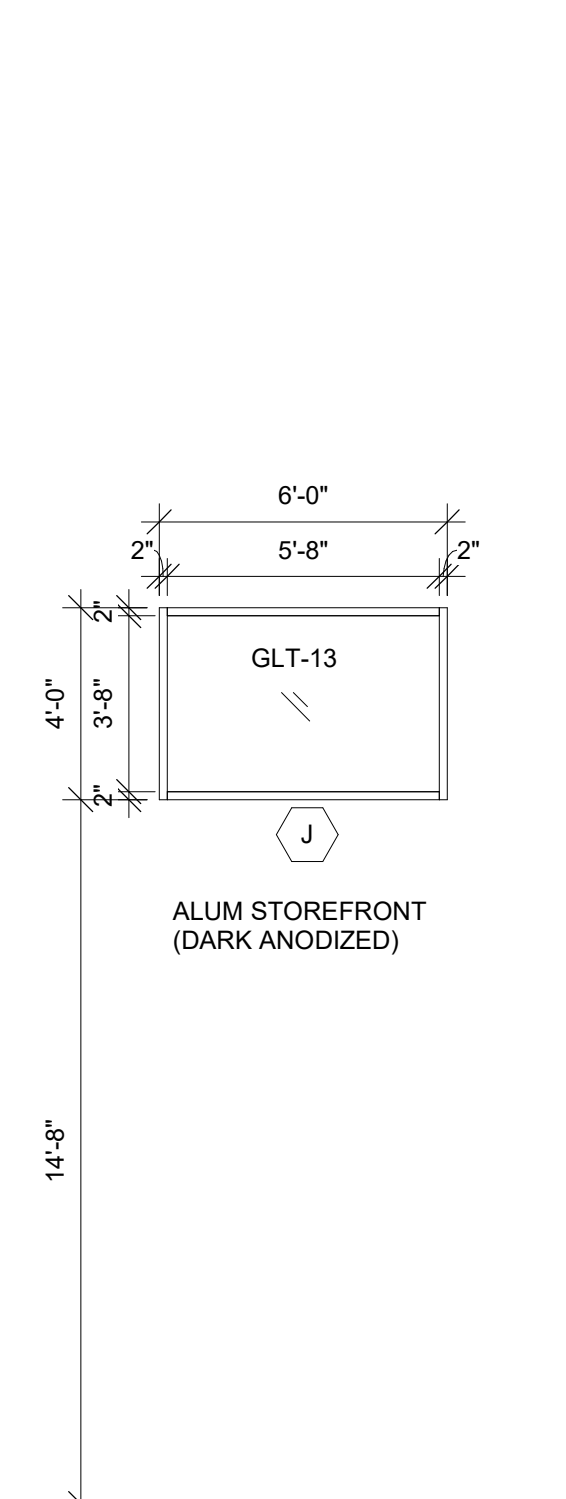
4 FRAME ELEV.
1/4" = 1'-0"



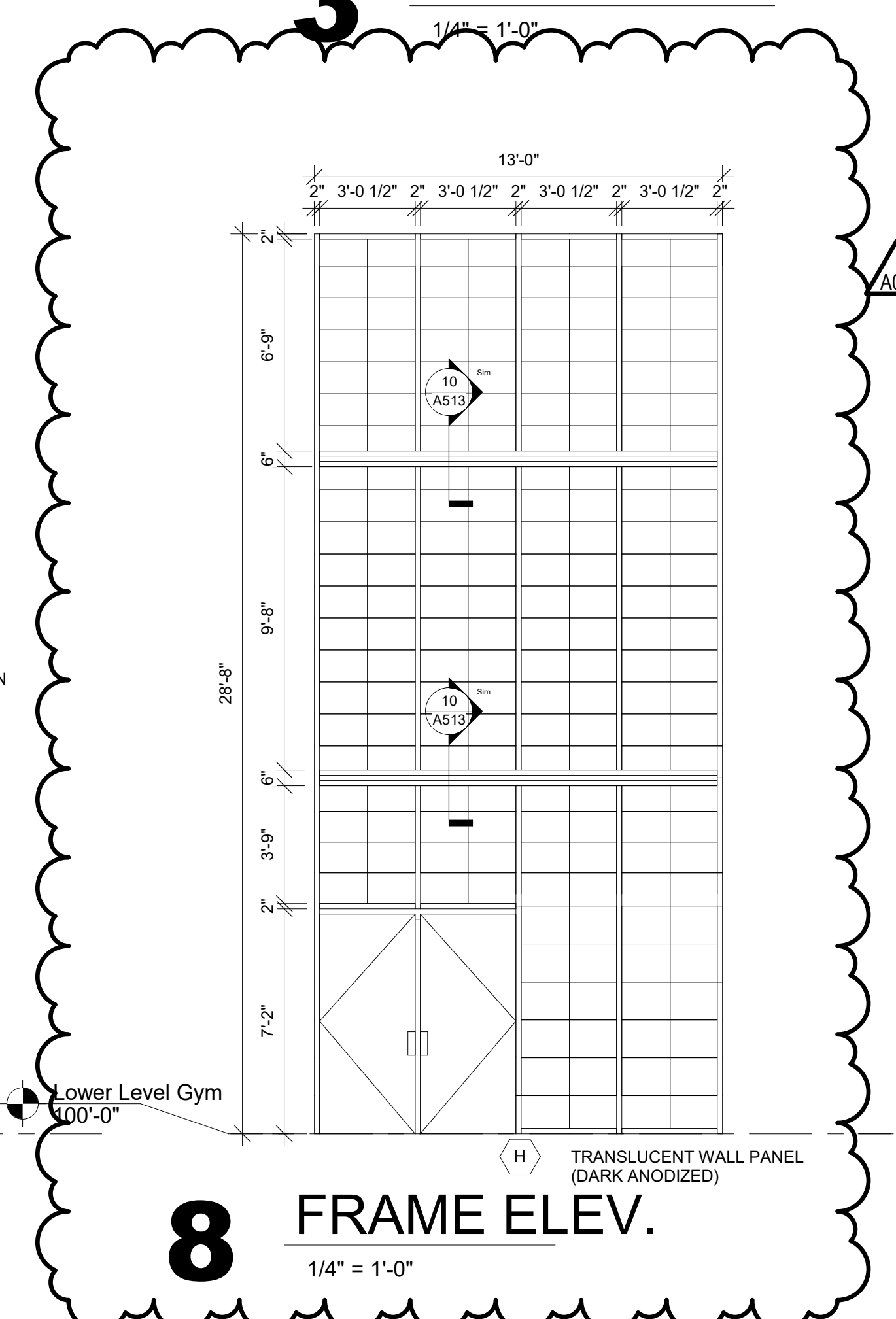
3 FRAME ELEV.
1/4" = 1'-0"



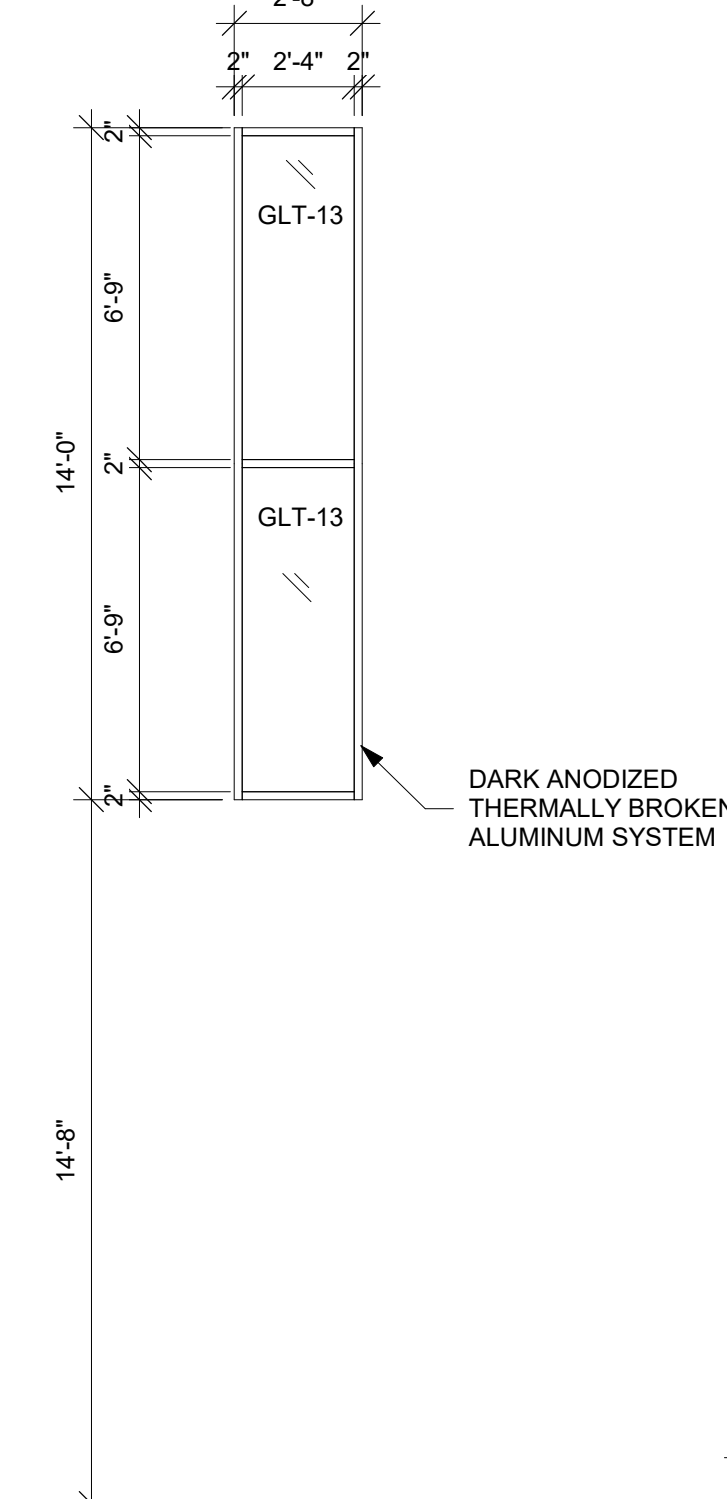
1 FRAME ELEV.
1/4" = 1'-0"



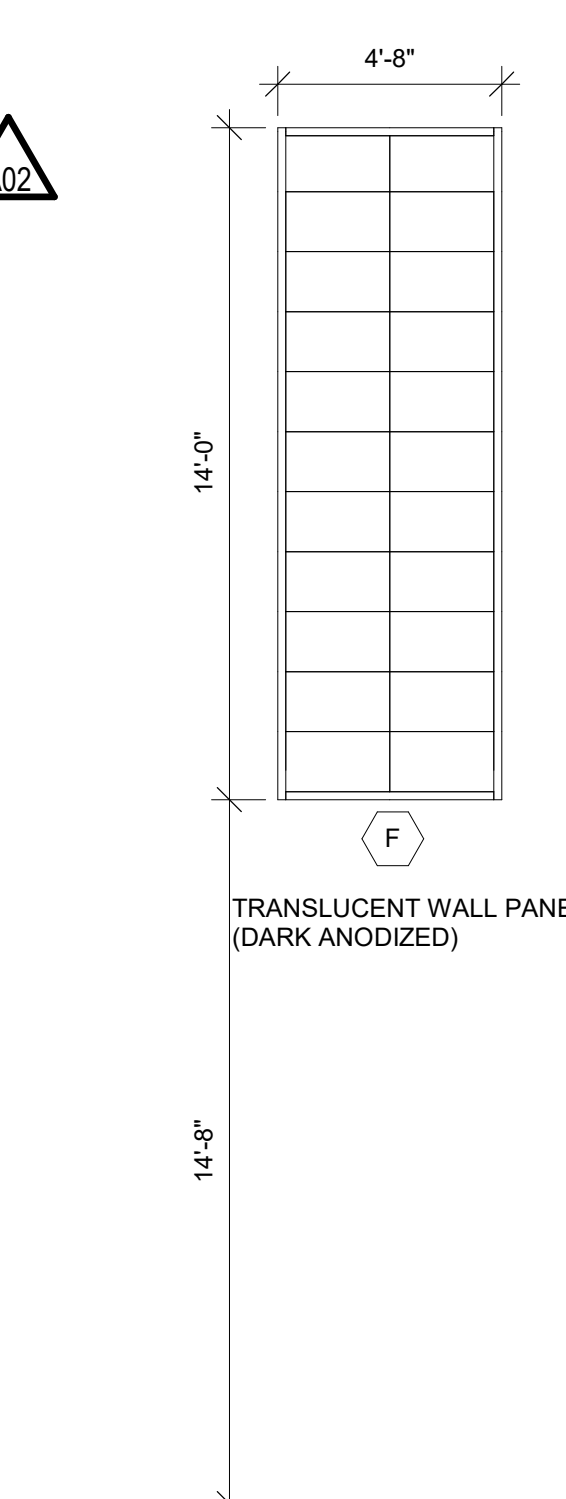
9 FRAME ELEV.
1/4" = 1'-0"



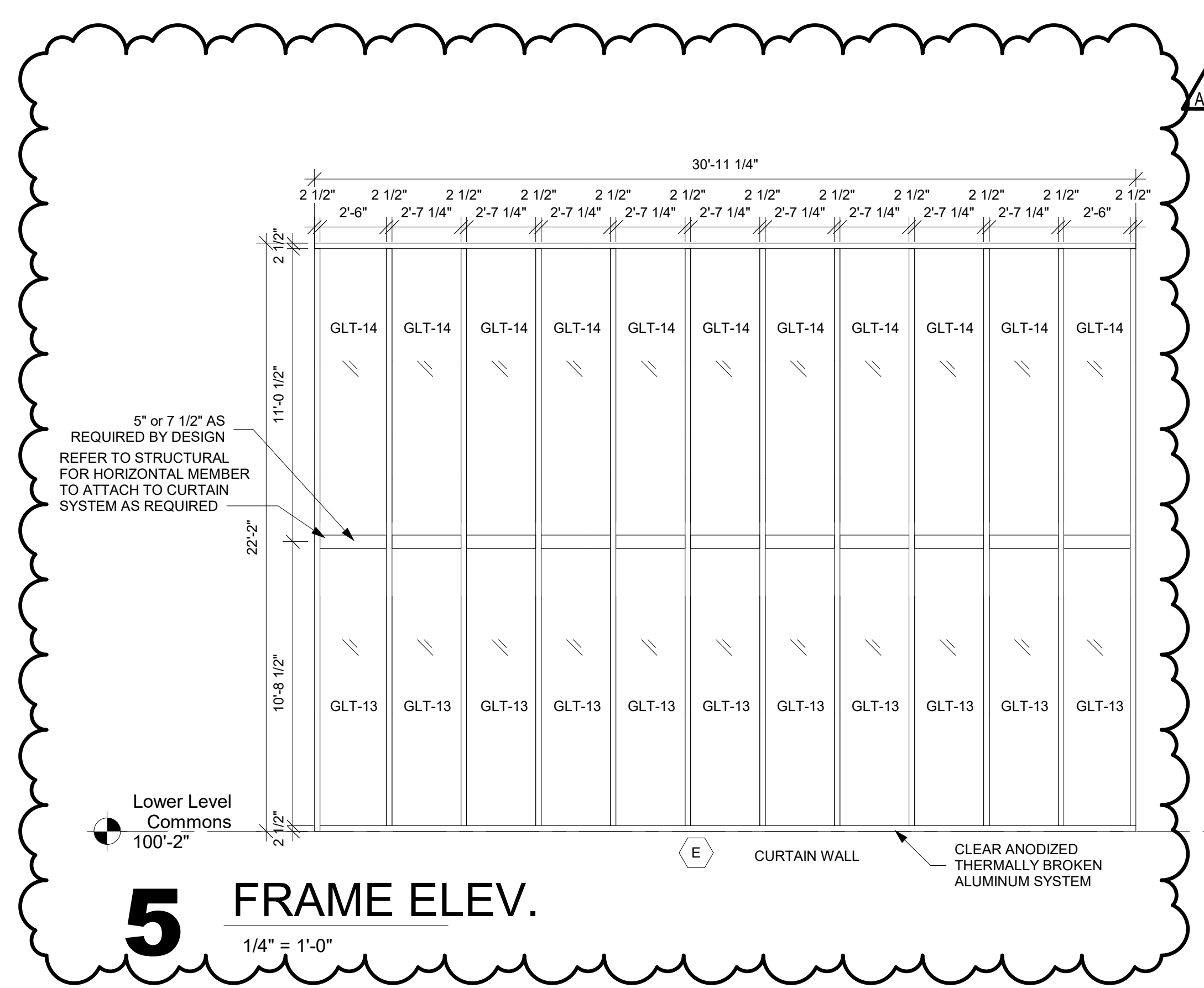
8 FRAME ELEV.
1/4" = 1'-0"



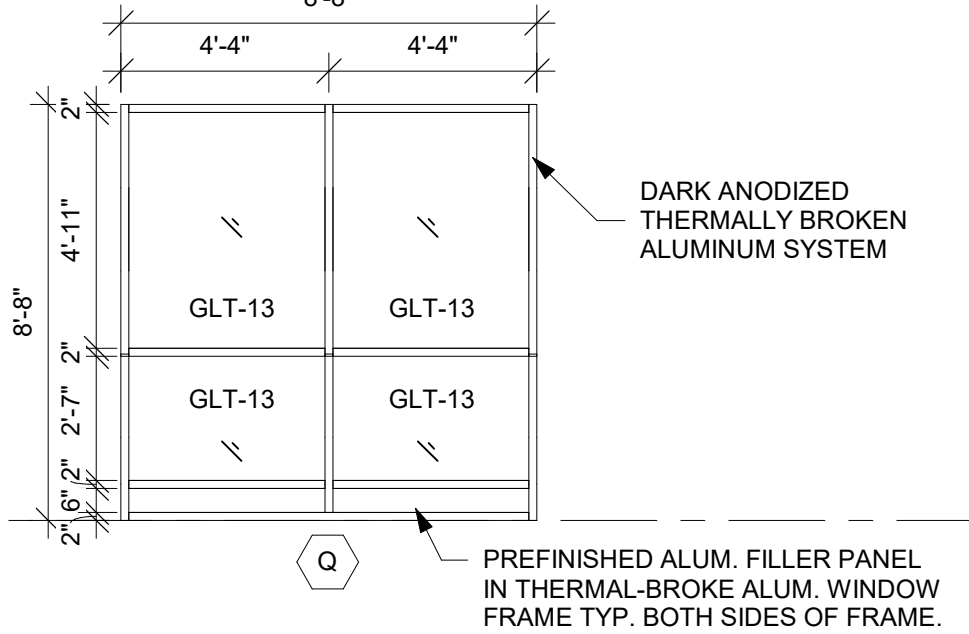
7 FRAME ELEV.
1/4" = 1'-0"



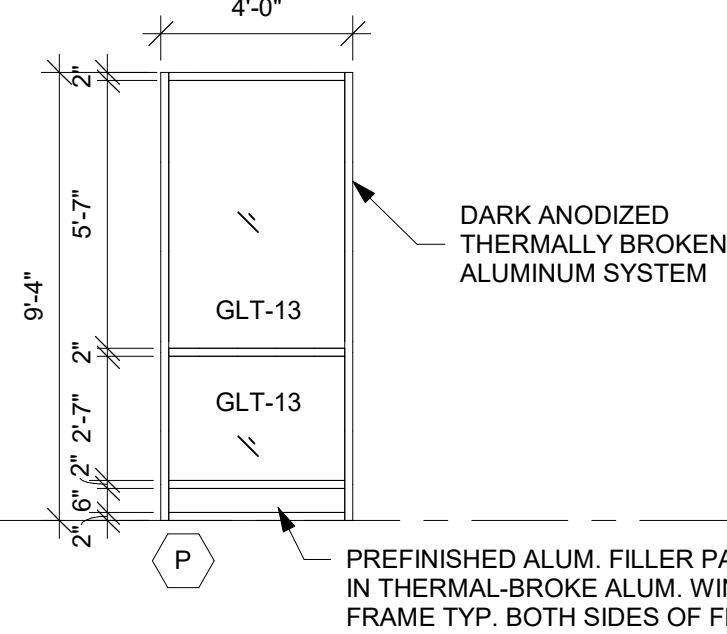
6 FRAME ELEV.
1/4" = 1'-0"



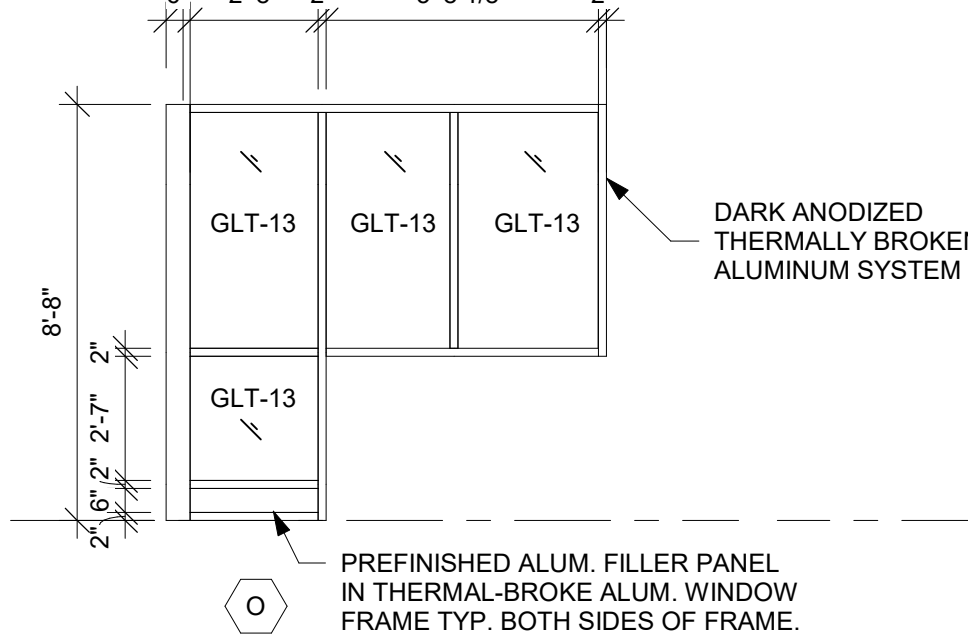
5 FRAME ELEV.
1/4" = 1'-0"



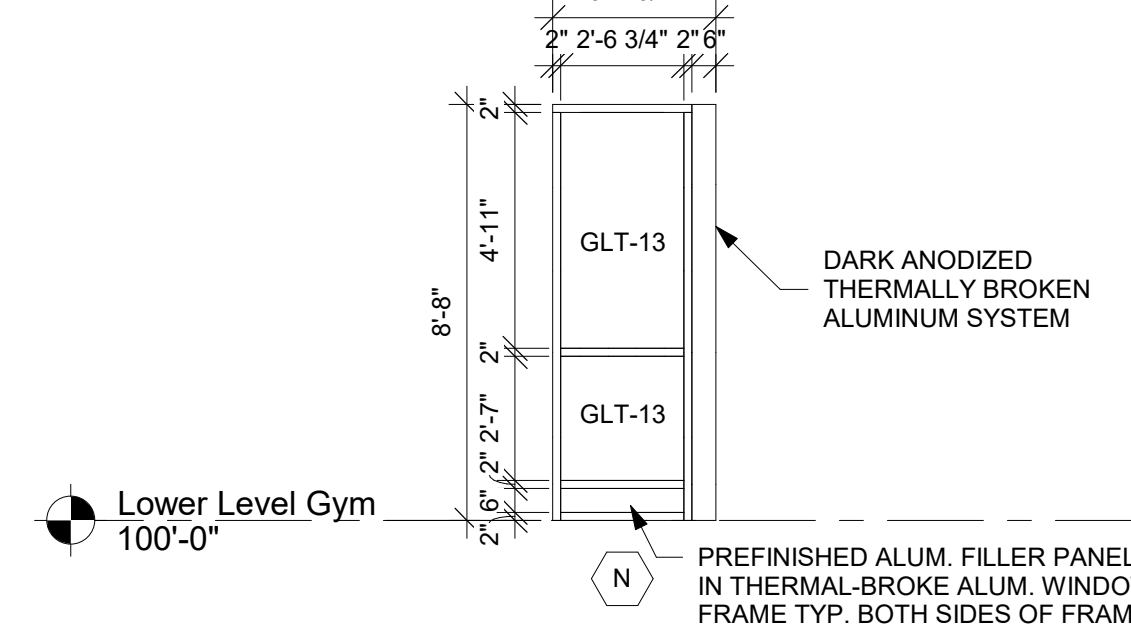
16 ALUM FRAME ELEV.
1/4" = 1'-0"



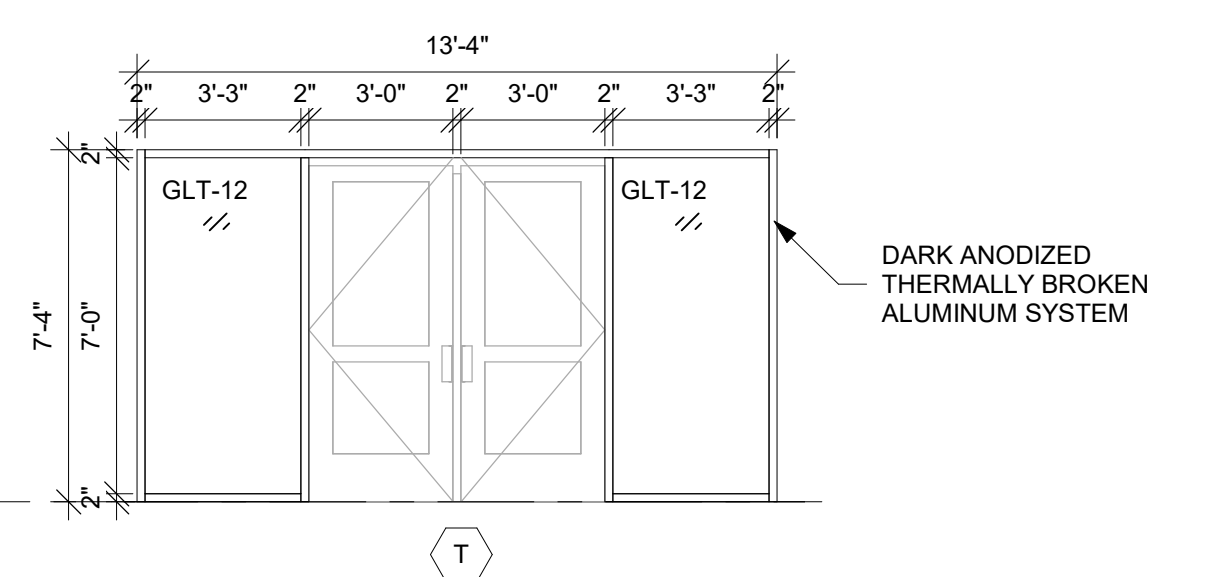
15 ALUM FRAME ELEV.
1/4" = 1'-0"



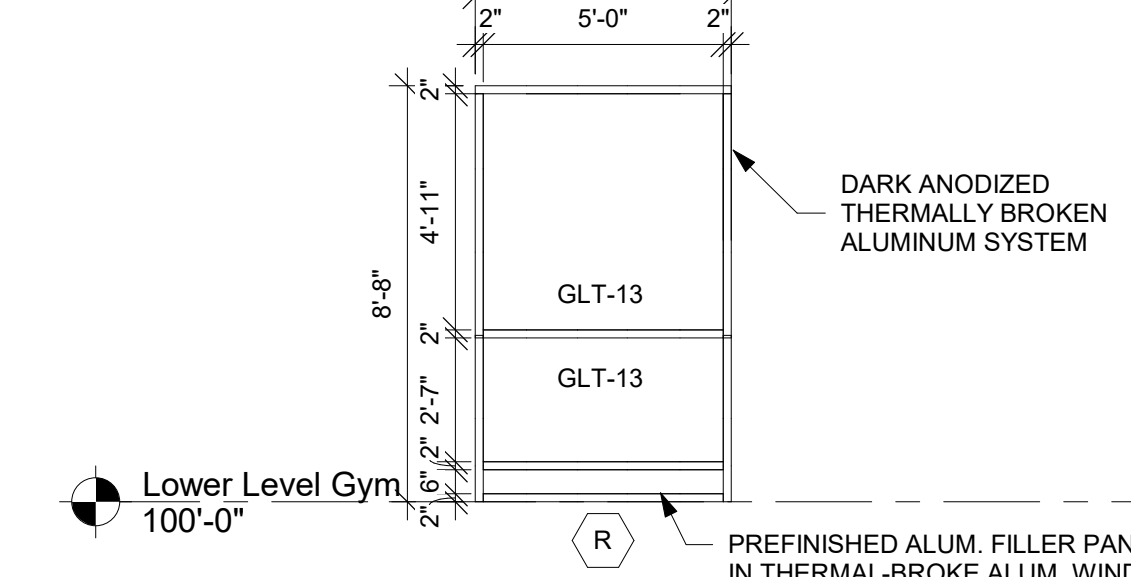
14 ALUM FRAME ELEV.
1/4" = 1'-0"



10 ALUM FRAME ELEV.
1/4" = 1'-0"



18 ALUM FRAME ELEV.
1/4" = 1'-0"



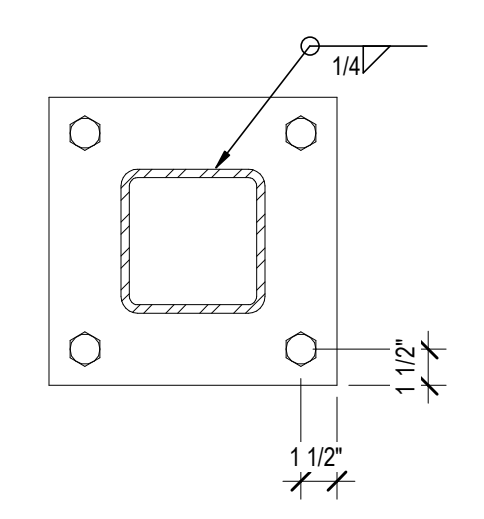
17 ALUM FRAME ELEV.
1/4" = 1'-0"

MISCELLANEOUS LINTEL SCHEDULE (SEE NOTE 1)			
WALL THICKNESS	CLEAR MASONRY OPENING WIDTH	SECTION	
ALL	AT FIRE EXTINGUISHER CABINETS AND DRINKING FOUNDATIONS	1/4" PL	---
4"	UP TO 4'-0"	L3 1/2x3 1/2x3/8	L
4"	UP TO 8'-0"	L5x3 1/2x3/8	L
8"	UP TO 5'-0"	(2) L3 1/2x3 1/2x1/4. SEE NOTE 4	JL
8"	UP TO 7'-0"	(2) L4x3 1/2x5/16 LLV. SEE NOTE 4	JL
8"	UP TO 9'-0"	WT 7 x 15	JL
8"	UP TO 4'-0"	8" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT	
8"	UP TO 8'-0"	16" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT	
8"	UP TO 12'-0"	24" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT	
12"	UP TO 4'-0"	8" HIGH x 12" WIDE BOND BEAM w/ (2) #5 x CONT	
12"	UP TO 8'-0"	16" HIGH x 12" WIDE BOND BEAM w/ (2) #5 x CONT	
12"	UP TO 12'-0"	24" HIGH x 12" WIDE BOND BEAM w/ (2) #5 x CONT	

- LINTEL NOTES:
- LINTELS CALLED OUT IN THIS SCHEDULE ARE FOR NON-LOAD BEARING MASONRY WALLS WHERE NO OTHER LINTEL SIZE IS INDICATED ON THE PLANS. IF A LINTEL SIZE FROM ONE LINTEL SCHEDULE IS PROVIDED ON THE PLAN, THAT SIZE SHALL SUPERCEDE THIS TABLE.
 - PROVIDE MINIMUM 8" BEARING AT EACH END OF LINTEL.
 - CENTER LINTELS IN WALL UNLESS NOTED OTHERWISE.
 - WELD LINTEL COMPONENTS INTO SINGLE UNIT.
 - GROUT BLOCK CORES SOLID MINIMUM (3) COURSES BELOW LINTEL BEARING.
 - NO LINTELS REQUIRED FOR 4" AND 6" NON-LOAD BEARING MASONRY WALLS WHERE GROUTED HOLLOW METAL FRAMES HAVE A HEADSPAN OF 4'-0" OR LESS.

COLUMN SCHEDULE	
TYPE	COLUMN SIZE
C1	HSS6X6X3/8
C2	HSS6X6X3/8
C3	HSS3X3X3/8

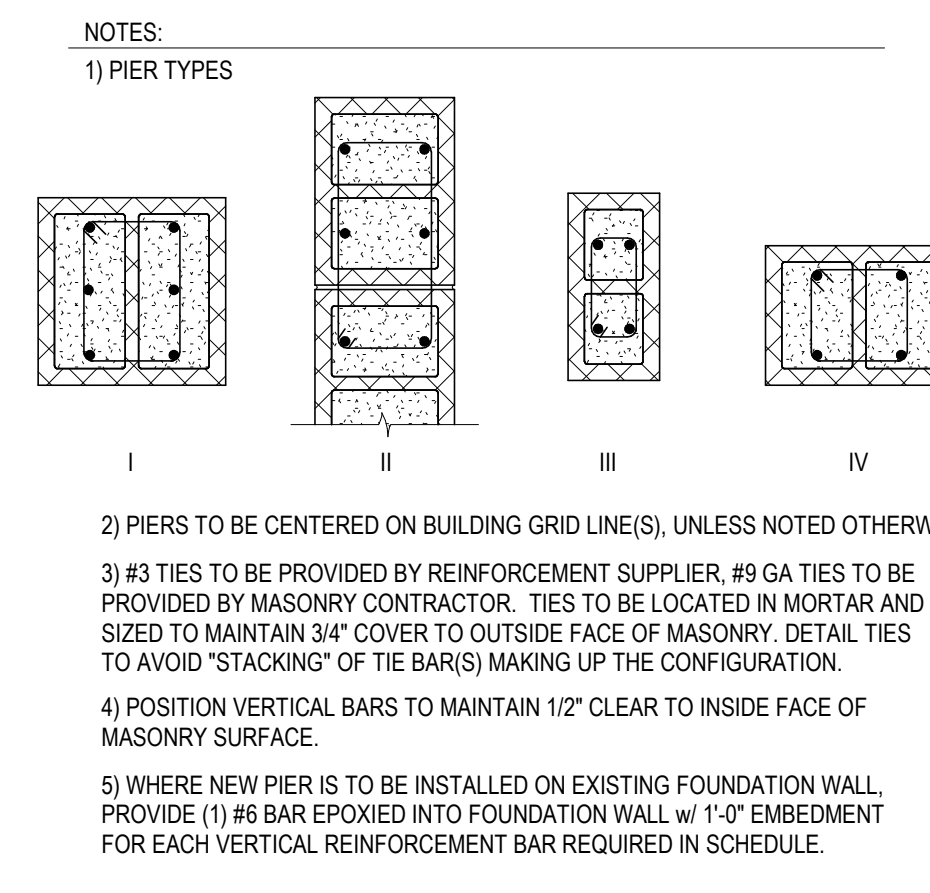
BASE PLATE SCHEDULE		
COLUMN SIZE	BASE PLATE	ANCHOR ROD
HSS6x6	1'x1'-2"x1'-2"	(4) 3/4" DIA RODS
HSS6x6	3/4"x1'-0"x1'-0"	(4) 3/4" DIA RODS
HSS3x3	SEE 5/S801	(4) 3/4" DIA RODS



PRECAST PLANK SCHEDULE			
PLANK MARK	DESCRIPTION	ASSUMED DEAD LOAD INCLUDING TOPPING	SUPERIMPOSED DEAD LOAD
PPA	8" HOLLOW-CORE PLANK + 4" TOPPING	111 PSF	0 PSF
PPB	8" HOLLOW-CORE PLANK + 2" TOPPING	86 PSF	0 PSF

* ASSUMES 'STANDARD' PLANK TYPE. 'ULTRALIGHT' PLANK TYPE MAY BE SUBSTITUTED BY PLANK SUPPLIER WHERE SUCH PLANKS WILL SUPPORT THE LOADS INDICATED.

MASONRY PIER SCHEDULE					
MARK	PIER DIMENSIONS	PIER TYPE	REINFORCEMENT		REMARKS
			VERTICAL	TIES	
MP1	12" x 16"	IV	(4) #6	#3 @ 8"	
	8" x 24"	II	(6) #6	#3 @ 8"	

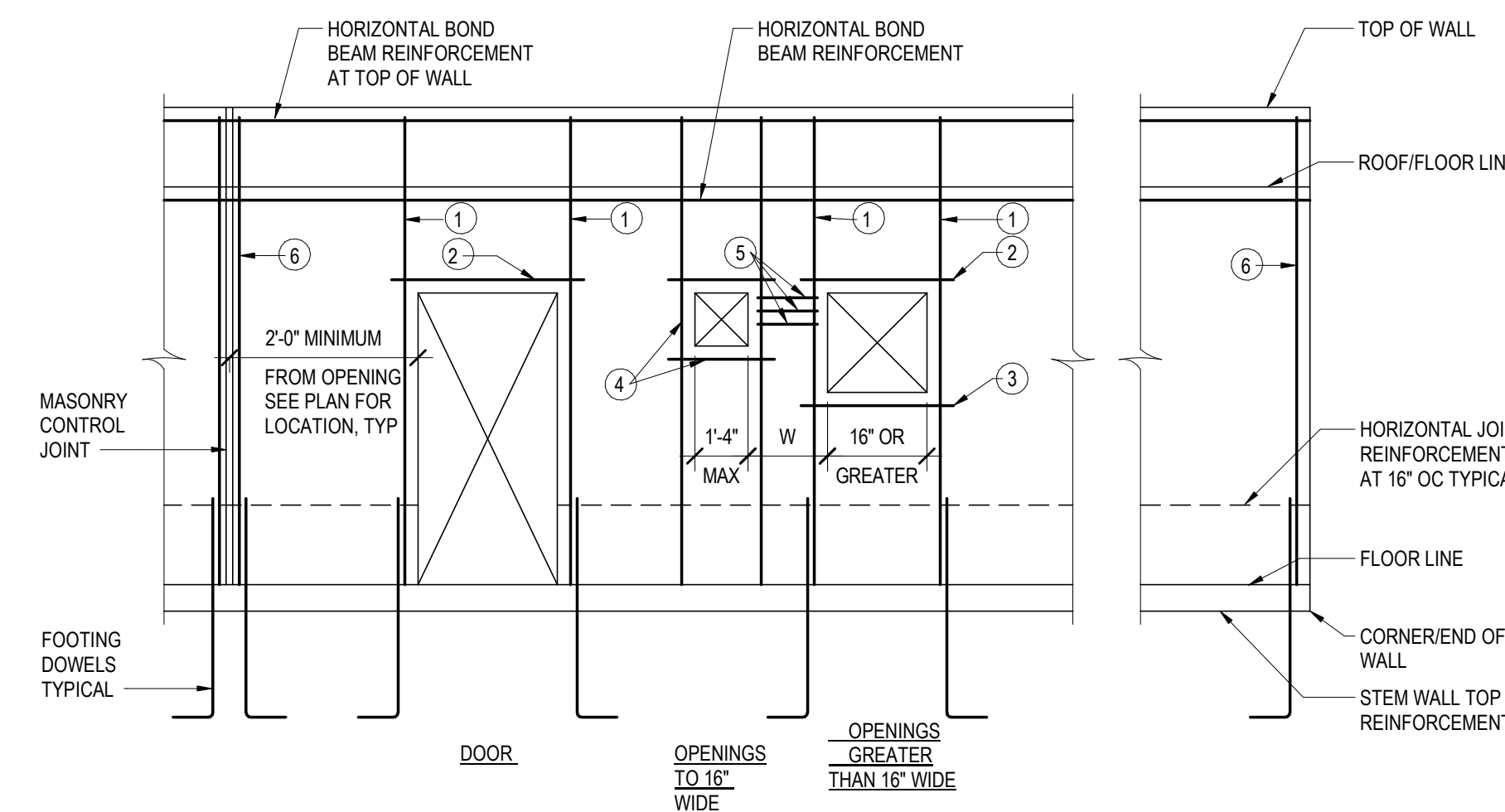
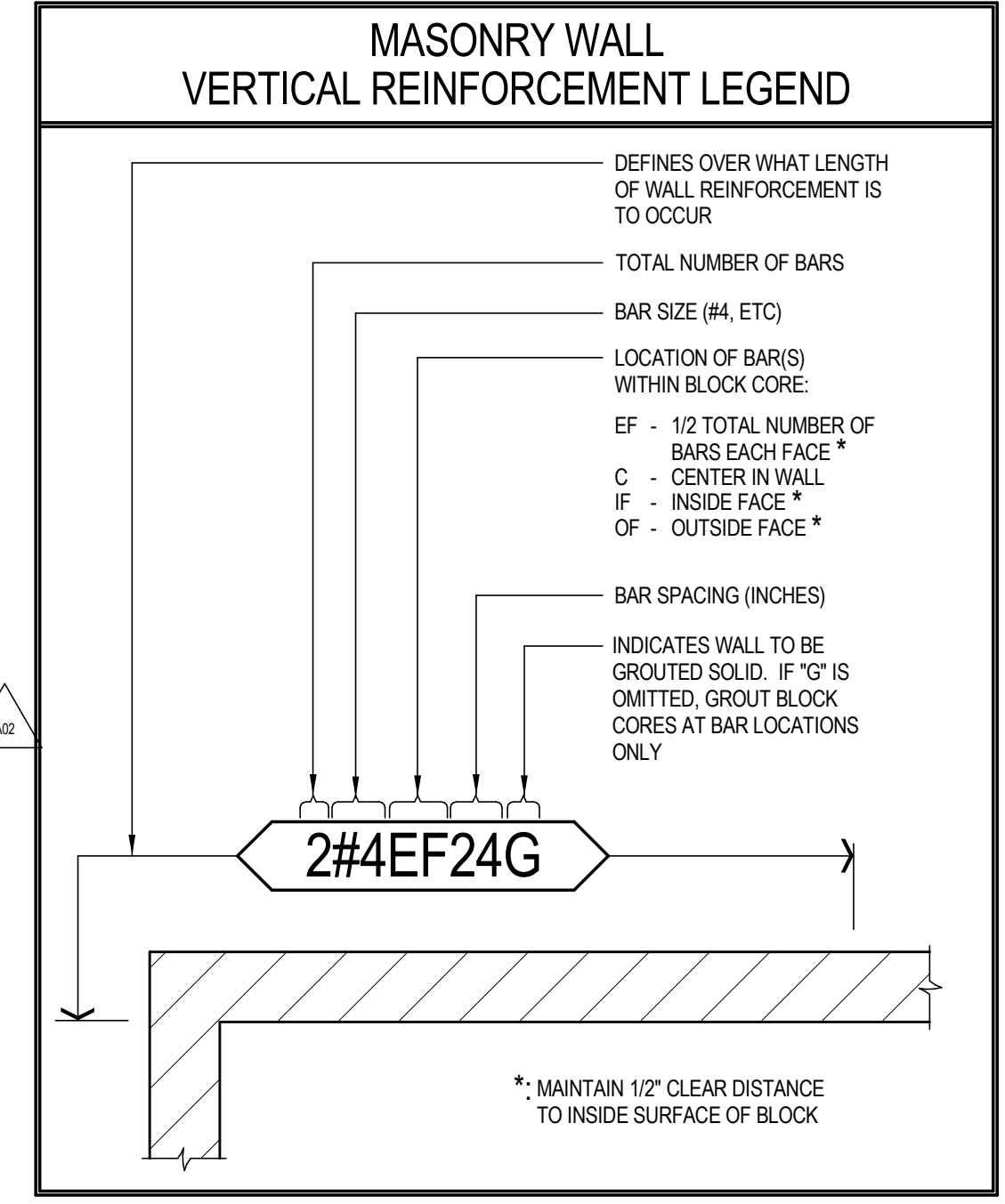
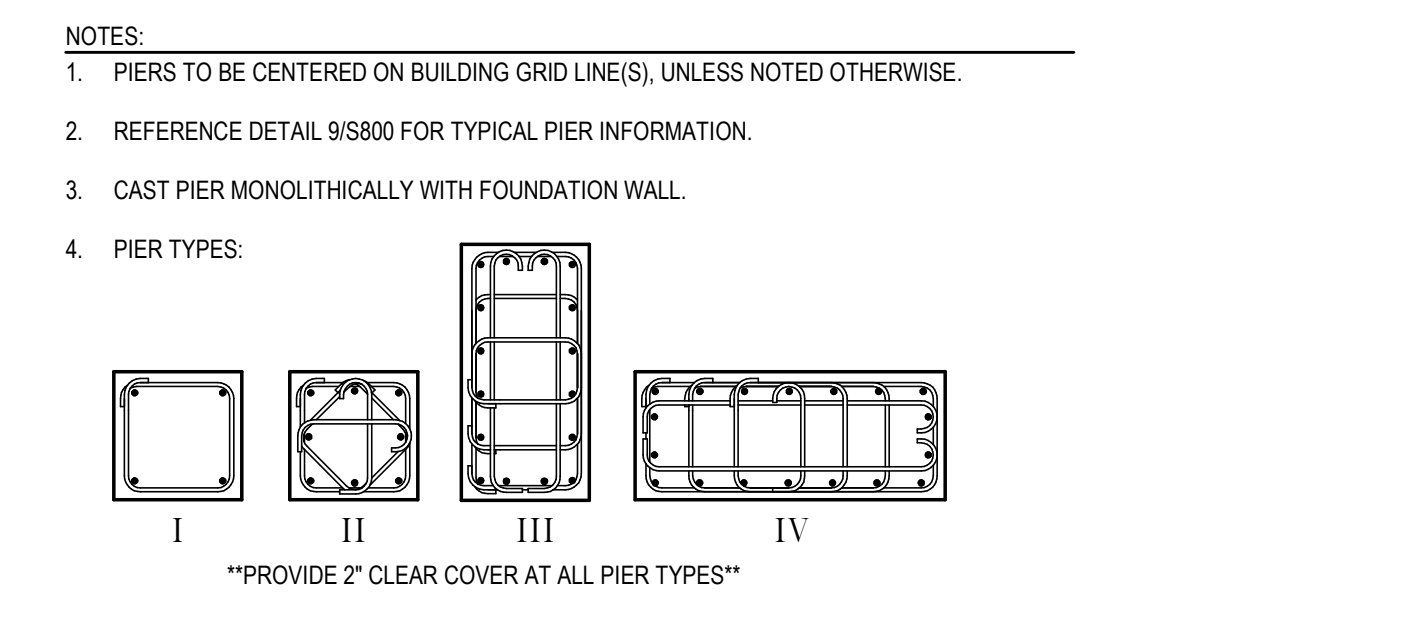


CONTINUOUS FOOTING SCHEDULE				
MARK	CONTINUOUS FOOTING DIMENSIONS		FOOTING REINFORCEMENT	REMARKS
	WIDTH	THICKNESS		
(E)W24	2'-4"	12"	N/A	
(E)W28	2'-8"	12"	N/A	
(E)W30	3'-0"	16"	N/A	
(E)W36	3'-6"	16"	N/A	
(E)W42	4'-2"	16"	N/A	
(E)W60	5'-2"	16"	N/A	
RW120	12'-0"	12"		SEE 2/S801
W20	2'-0"	12"	(2) #5, B, CONT	
W28	2'-8"	12"	(3) #5, B, CONT	
W30	3'-0"	12"	(3) #5, B, CONT	
W34	3'-4"	16"	(5) #5, B, CONT	
W40	4'-0"	16"	(6) #5, B, CONT	
W50	5'-0"	16"	(6) #5, B, CONT	

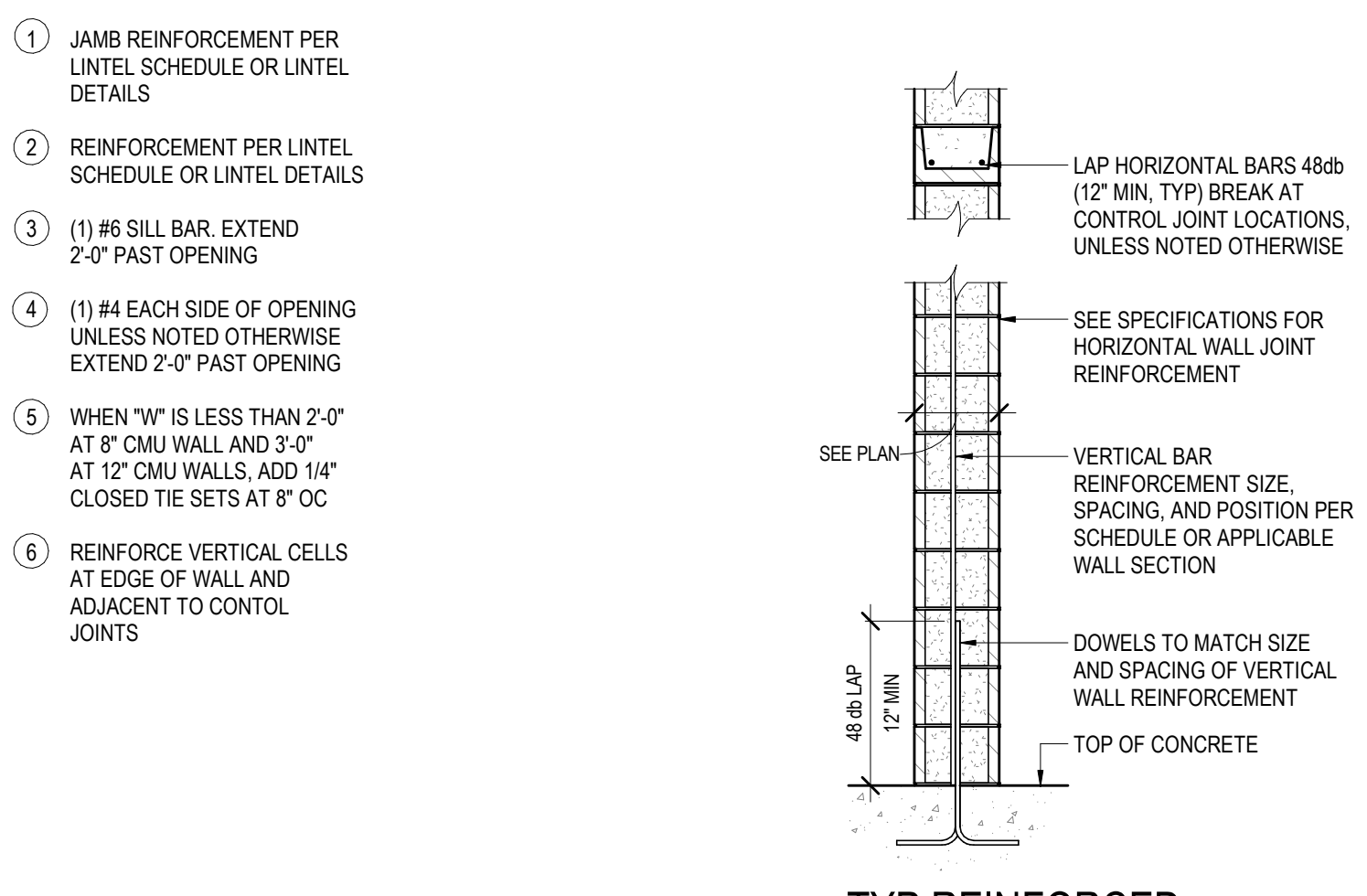
ISOLATED FOOTING SCHEDULE				
MARK	ISOLATED FOOTING DIMENSIONS		FOOTING REINFORCEMENT	REMARKS
	LENGTH	WIDTH		
(E) F9	3'-6"	3'-6"	12"	N/A
(E) F30	3'-0"	3'-0"	12"	N/A
(E) F40	4'-0"	4'-0"	12"	N/A
F1	6'-8"	3'-4"	24"	(6) #6, B, LW; (10) #6, B, SW
F40	4'-0"	4'-0"	12"	(8) #4, B, EW
F50	5'-0"	5'-0"	12"	(10) #4, B, EW
F60	6'-0"	6'-0"	15"	(7) #5, B, EW
F88	6'-8"	6'-8"	24"	(10) #6, B, EW

- NOTES:
- B = BOTTOM, T = TOP, LW = LONG WAY, SW = SHORT WAY, EW = EACH WAY.
 - ALL REINFORCEMENT BARS TO BE BOTTOM BARS UNLESS NOTED OTHERWISE.

CONCRETE PIER SCHEDULE						
MARK	PIER DIMENSIONS		PIER TYPE	REINFORCEMENT		REMARKS
	X	Y		VERTICAL	TIES	
P1	16"	16"	II	(8) #5	#3 AT 12" OC	
P2	24"	24"	II	(8) #6	#3 AT 12" OC	
P3	16"	36"	III	(16) #6	#3 AT 12" OC	



TYP CMU REINFORCEMENT AT OPENINGS



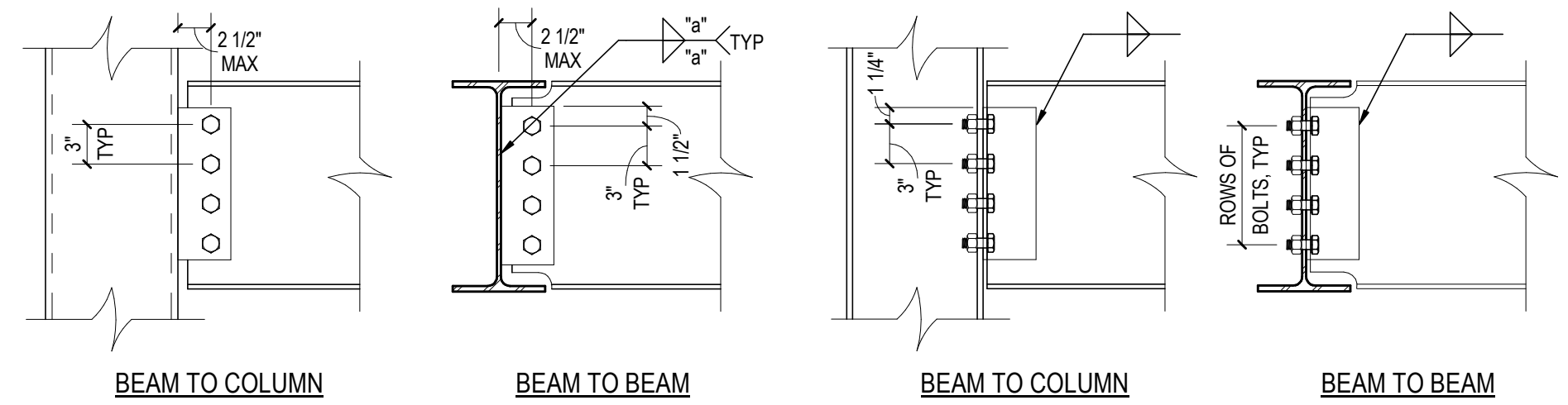
TYP REINFORCED CMU WALL CONSTRUCTION

MASONRY AND STEEL LINTEL SCHEDULE				
LINTEL MARK	DESCRIPTION	SECTION	END BEARING PLATES	REMARKS
L1	8" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT		N/A	1,3,4,5
L2	16" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT		N/A	1,3,4,5
L3	24" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT		N/A	1,3,4,5
L4	8" HIGH x 12" WIDE BOND BEAM w/ (2) #5 x CONT		N/A	2,3,4,5
L5	16" HIGH x 12" WIDE BOND BEAM w/ (2) #5 x CONT		N/A	2,3,4,5
L6	24" HIGH x 12" WIDE BOND BEAM w/ (2) #5 x CONT BOTTOM.		N/A	2,3,4,5
L7	8" HIGH x 16" WIDE BOND BEAM w/ (2) #5 x CONT BOTTOM.		N/A	2,3,4,5
L8	16" HIGH x 16" WIDE BOND BEAM w/ (2) #5 x CONT BOTTOM.		N/A	2,3,4,5
L9	24" HIGH x 16" WIDE BOND BEAM w/ (2) #5 x CONT BOTTOM, (2) #5 x CONT TOP & #3 STIRRUPS AT 8" OC		N/A	2,3,4,5
L10	W12x40 + PL3/8x11	EQ 1/4" 3/8" 5 1/2" 5 1/2"	SEE 4/S810	6,7,8,9
L11	W16x50 + PL3/8x11	EQ 1/4" 3/8" 5 1/2" 5 1/2"	SEE 4/S810	6,7,8,9
L12	32" HIGH x 12" WIDE BOND BEAM w/ (2) #5 x CONT BOTTOM, (2) #4 x CONT TOP & #3 STIRRUPS AT 8" OC		N/A	2,3,4,5
L13	W8x21 + PL5/16x7	EQ 1/4" 3/8" 3 1/2" 3 1/2"	SEE 4/S810	6,7,8,9
L14	W8x28 + PL3/8x11	EQ 1/4" 3/8" 5 1/2" 5 1/2"	SEE 4/S810	6,7,8,9
L15	W16x31 + PL5/16x11-1"	EQ 1/4" 3/8" 9 1/2" 9 1/2"	SEE 4/S810	6,7,8,9

- PROVIDE VERTICAL BAR FOR EACH END OF LINTEL. EACH END OF LINTEL, TYP
- PROVIDE (2) #5 VERTICAL BARS (ONE EACH FACE) IN FIRST TWO GROUTED CELLS.
 - TYPICAL NOTES THAT APPLY UNLESS NOTED OTHERWISE:
 - PROVIDE MINIMUM 8" BEARING AT EACH END OF LINTEL WHERE NOTE 1 APPLIES, 16" WHERE NOTE 2 APPLIES.
 - CENTER LINTELS IN WALL UNLESS NOTED OTHERWISE.
 - WIDTH OF BOND BEAM TO MATCH WIDTH OF WALL.
 - PROVIDE 1" BOTTOM CLEAR COVER.
 - NOTCH FACE SHELL AS REQUIRED TO PLACE CMU.
 - PROVIDE 1/2" DIA x 6" LONG HEADED WELD STUDS (HWS) AT 24" OC ON TOP OF LINTEL. GROUT CMU CORE SOLID 8" (MIN) ABOVE TOP OF LINTEL AT HWS LOCATIONS.
 - PROVIDE ADJUSTABLE MASONRY ANCHORS AT 16" OC EACH SIDE OF WEB.
 - ALL LINTELS (INCLUDING BOTTOM PLATES) IN EXTERIOR WALLS TO BE HOT-DIPPED GALVANIZED.

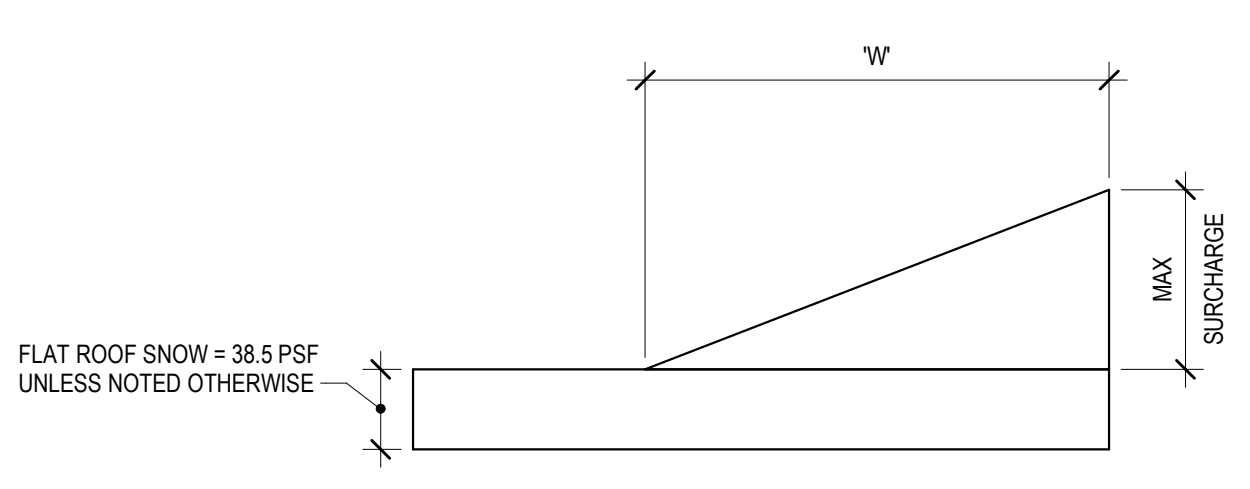
SINGLE PLATE SHEAR CONNECTION SCHEDULE			
BEAM SIZE	ROWS OF BOLTS	PLATE THICKNESS	WELD SIZE (w)
W8, W10	2	3/8"	5/16"
W12, W14	3	3/8"	5/16"
W16	4	3/8"	5/16"
W18	5	3/8"	5/16"
W21, W24	6	3/8"	5/16"
W27	7	3/8"	5/16"
W30, W33	8	3/8"	5/16"

DOUBLE ANGLE CONNECTION SCHEDULE		REMARKS
BEAM SIZE	ROWS OF BOLTS	
W8, W10	2	
W12, W14	3	
W16	4	
W18	5	
W21, W24	6	
W27	7	
W30, W33	8	

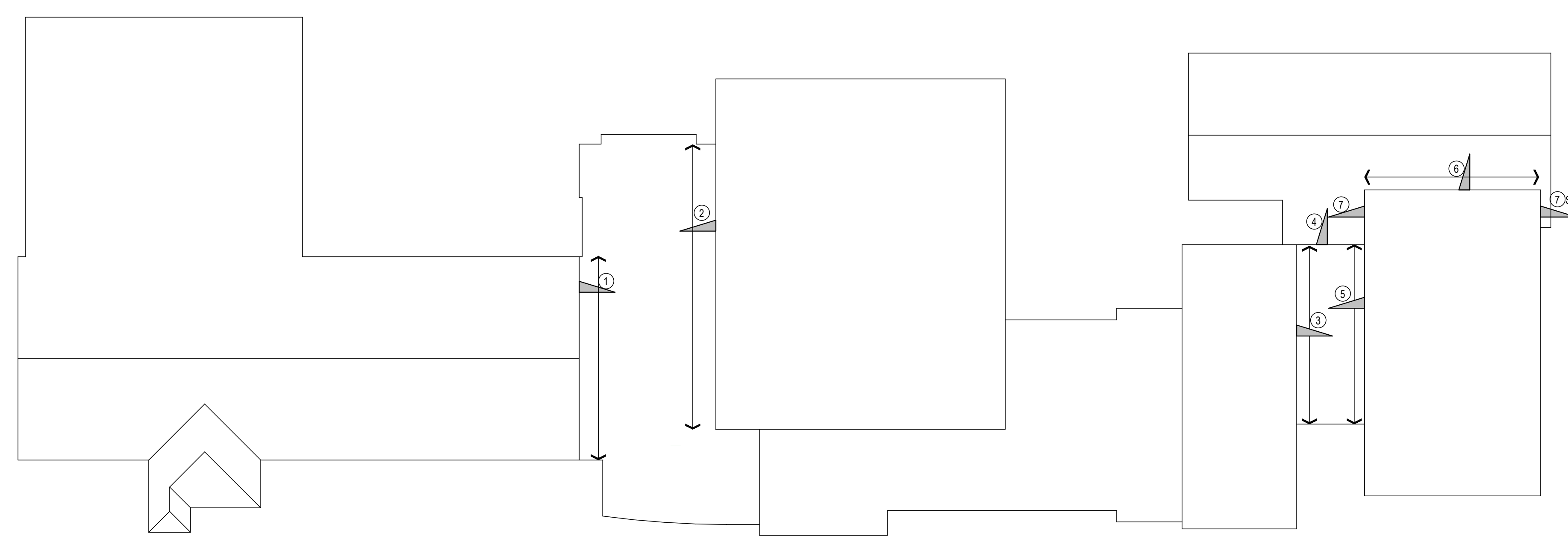


- SINGLE PLATE SHEAR CONNECTION NOTES:
- ALL BOLTS TO BE 3/4" DIA A325.
 - CONNECTIONS SHOWN ARE MINIMUM CONNECTIONS UNLESS NOTED OTHERWISE.
 - ALL STEEL EXPOSED TO EXTERIOR CONDITIONS SHALL BE GALVANIZED.
- DOUBLE ANGLE CONNECTION NOTES:
- ALL BOLTS TO BE 3/4" DIA A325.
 - ANGLE LEGS TO BE A MIN OF 5/16" THICK.
 - SEE PLAN FOR COLUMN ORIENTATION.
 - CONNECTIONS SHOWN ARE MINIMUM CONNECTIONS UNLESS NOTED OTHERWISE.
 - CONNECTION ANGLES SHALL BE 30 MIN MINIMUM.
 - ALL STEEL EXPOSED TO EXTERIOR CONDITIONS SHALL BE GALVANIZED.
 - ALL STANDARD DOUBLE ANGLE CONNECTION SHALL BE IN ACCORDANCE WITH AISI STEEL CONSTRUCTION MANUAL, 13th EDITION & SHALL BE TYPE 2 FRAMING, UNO.

SNOW DRIFT CASE TABLE					
CASE	LENGTH UPPER	LENGTH LOWER	HEIGHT	LEEWARD	WINDWARD
1	247 FT	25 FT	12 FT	123.2 PSF/24'-0"	30.7 PSF/6'-0"
2	113 FT	53 FT	5 FT	64 PSF/23'-6"	46.1 PSF/9'-0"
3	45 FT	25 FT	5 FT	56.5 PSF/11'-0"	30.7 PSF/6'-0"
4	70 FT	80 FT	9 FT	70.4 PSF/13'-9"	56.2 PSF/11'-0"
5	70 FT	25 FT	12 FT	70.4 PSF/13'-9"	30.7 PSF/6'-0"
6	120 FT	54 FT	20 FT	90.3 PSF/17'-8"	46.5 PSF/9'-0"
7	61 FT	30 FT	20 FT	65.8 PSF/12'-10"	34.1 PSF/6'-8"



SNOW DRIFT PLAN





HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
raSmith
1220 E. Avenue D, Ste. 108
Madison, WI 53714-8342
10/18/14
raSmith.com
project number: 1180777

Contractor is responsible for the means, methods, techniques, equipment and procedures of construction resulting in the finished work. Temporary supports, shoring, bracing, forming to support permanent loads and other similar items.

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.

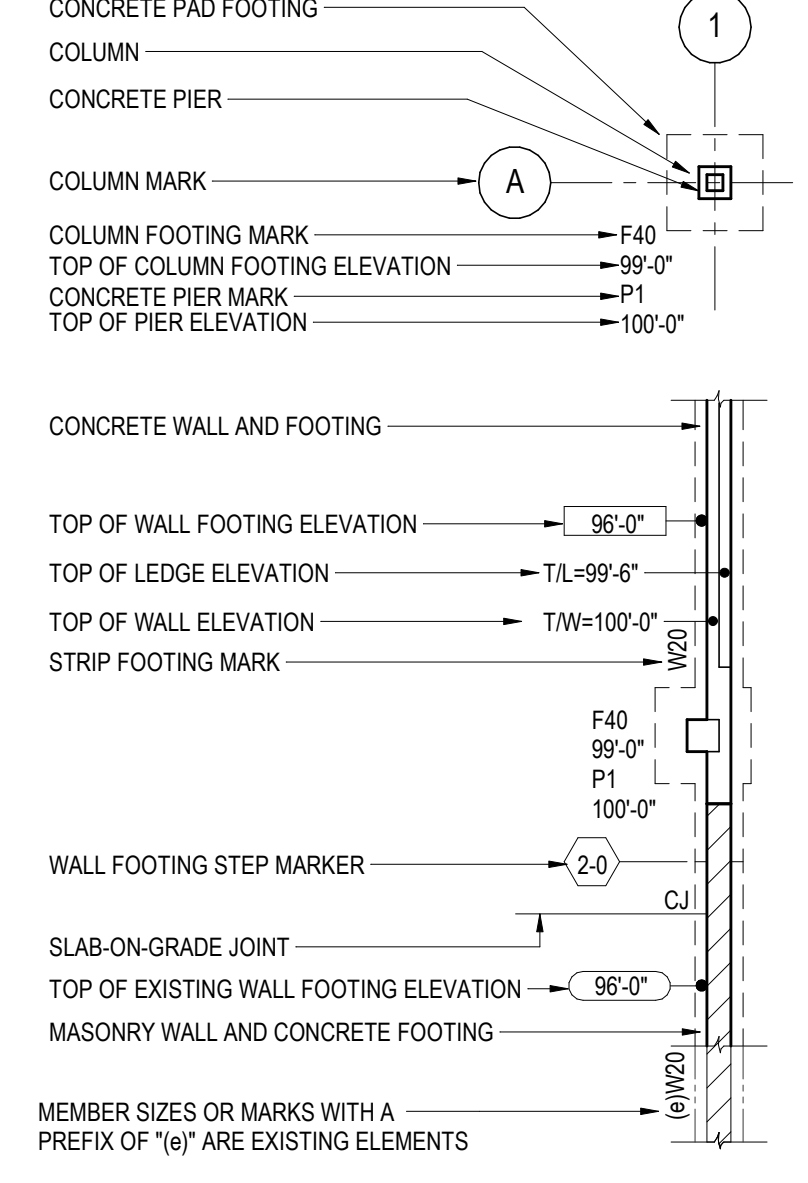
Wayne W. Vandenberg
Date: July 2, 2019 Lic. No.: 43193
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.

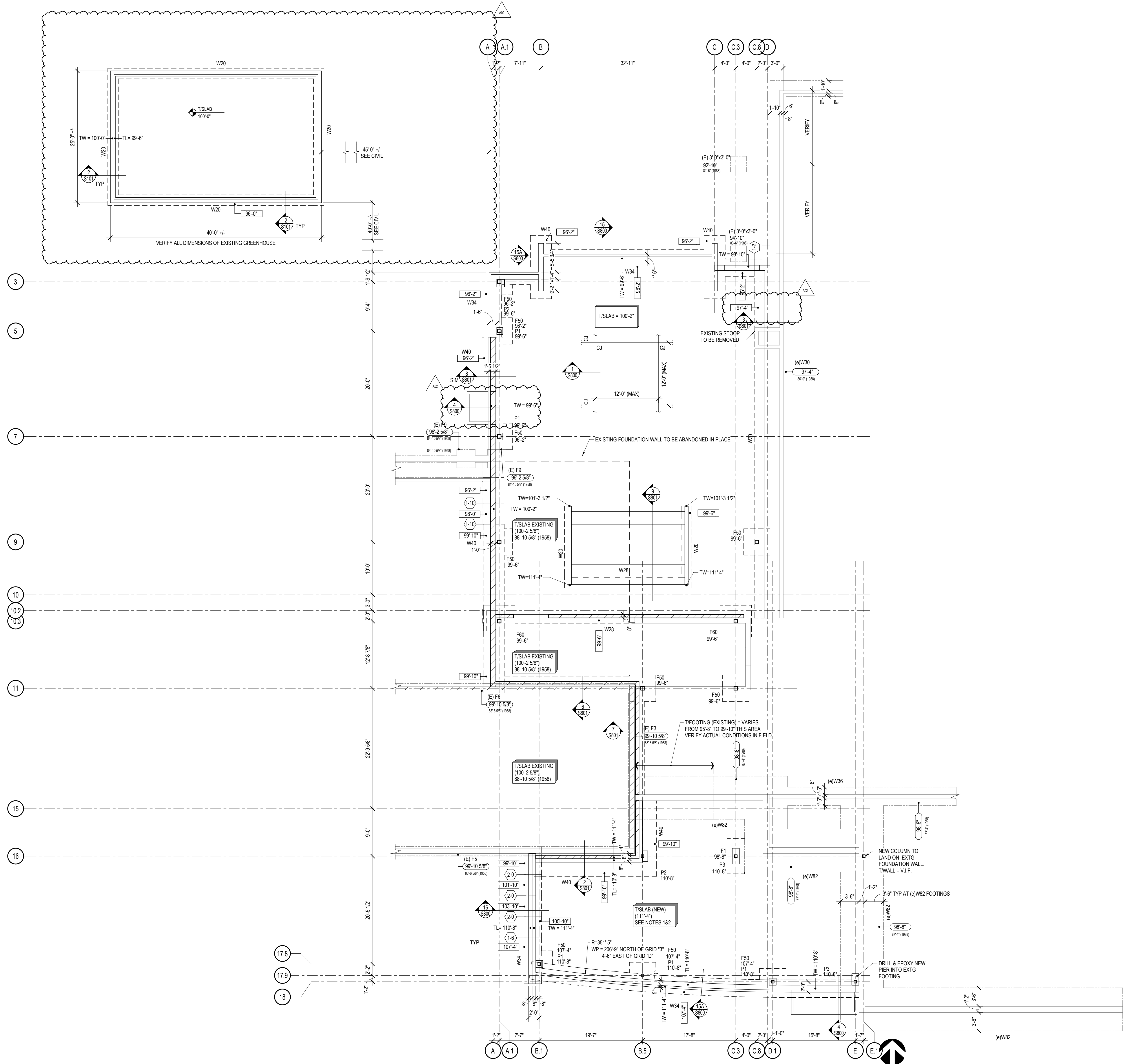
Paul A. ...
Date: July 2, 2019 Lic. No.: 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

FOUNDATION LEGEND

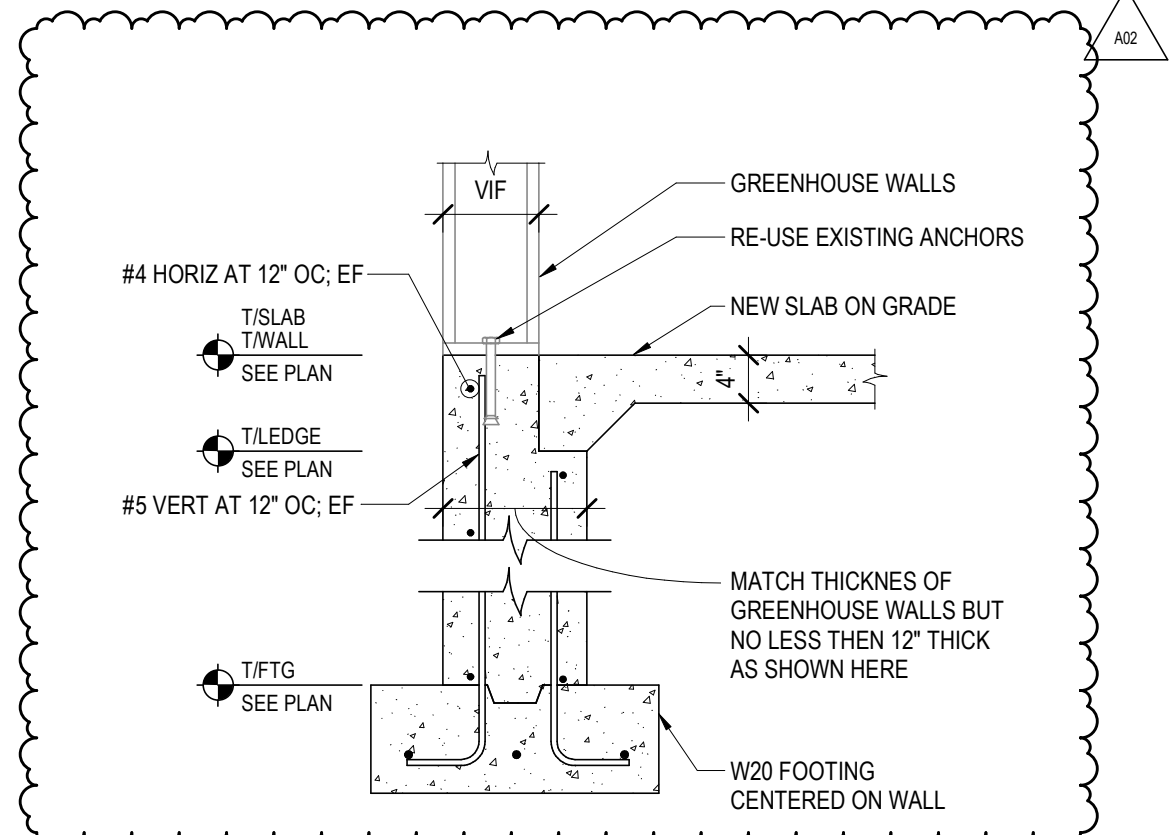


FOUNDATION PLAN NOTES

- FINISH SLAB ELEVATION + AS SHOWN ON PLANS. TOP OF FOOTING ELEVATION AT EXTERIOR WALLS + AS SHOWN ON PLANS.
- SLAB-ON-GRADE TO BE 4" THICK WITH S/CU YD MACRO POLYPROPYLENE SYNTHETIC FIBERS (REFER TO SPECIFICATION) ON 15 MIL MINIMUM VAPOR BARRIER ON 6" OF COMPACTED GRANULAR FILL UNLESS NOTED OTHERWISE.
- IN AREA SHOWN AS [] (AT GYM) SLAB-ON-GRADE TO BE 5" THICK WITH S/CU YD MACRO POLYPROPYLENE SYNTHETIC FIBERS (REFER TO SPECIFICATION) ON 15 MIL MINIMUM VAPOR BARRIER ON 6" OF COMPACTED GRANULAR FILL. TOP OF SLAB INDICATED IS APPROXIMATE AND SHOULD BE COORDINATED WITH WOOD FLOORING SUPPLIER.
- TYPICAL WHERE SLAB-ON-GRADE ABUTS WALL OR COLUMN, PROVIDE 1/4" x (50G THICKNESS) ISOLATION FILLER STRIP, SET STRIP 1/4" BELOW FINISH SLAB ELEVATION OR USE PRE-SCORED REMOVABLE TOP STRIP ISOLATION BOARD.
- OVER-EXCAVATION PER DETAIL 5/8800 MAY BE REQUIRED TO REMOVE EXISTING UNDOCUMENTED FILL AND UNSUITABLE BEARING SOIL.
- TYPICAL DETAILS THAT APPLY TO PLAN INCLUDE:
1/8800 SLAB-ON-GRADE JOINT DETAIL
2/8800 WALL-FOOTING CORNER DETAIL
3/8800 PIPE PASSING UNDER WALL-FOOTING DETAIL
10/8800 FOOTING STEP DETAIL
11/8800 ADDED REINF AT WALL OPENING DETAIL
12/8800 CONCRETE JOINT DETAIL
13/8800 ISOLATION JOINT AT COLUMNS
- CONTROL JOINTS ON ALL SLABS
12'-0" OC MAX AT 4" SLABS
15'-0" OC MAX AT 6" SLABS
- [] = MASONRY PIER ABOVE



1 FOUNDATION PLAN - SEG B
SCALE: 1/8" = 1'-0"



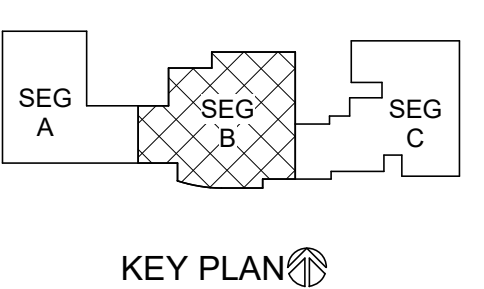
2 SECTION
SCALE: 3/4" = 1'-0"

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Location: 100 KIRKWOOD ST E
LANESBORO, MN 55949

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: raSmith



Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: VARIES
Last Update: 10/9/2019 3:56:58 PM

S101



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

raSmith
1520 E. Geneva Dr., Ste. 108
Madison, WI 53714-8342
10/18/14 407.2014
raSmith.com
project number: 1180777

Contractor is responsible for the means, methods, techniques, equipment and procedures of construction resulting, but not limited to, temporary supports, shoring, forming to support proposed loads and other similar items.

ENGINEER CERTIFICATION

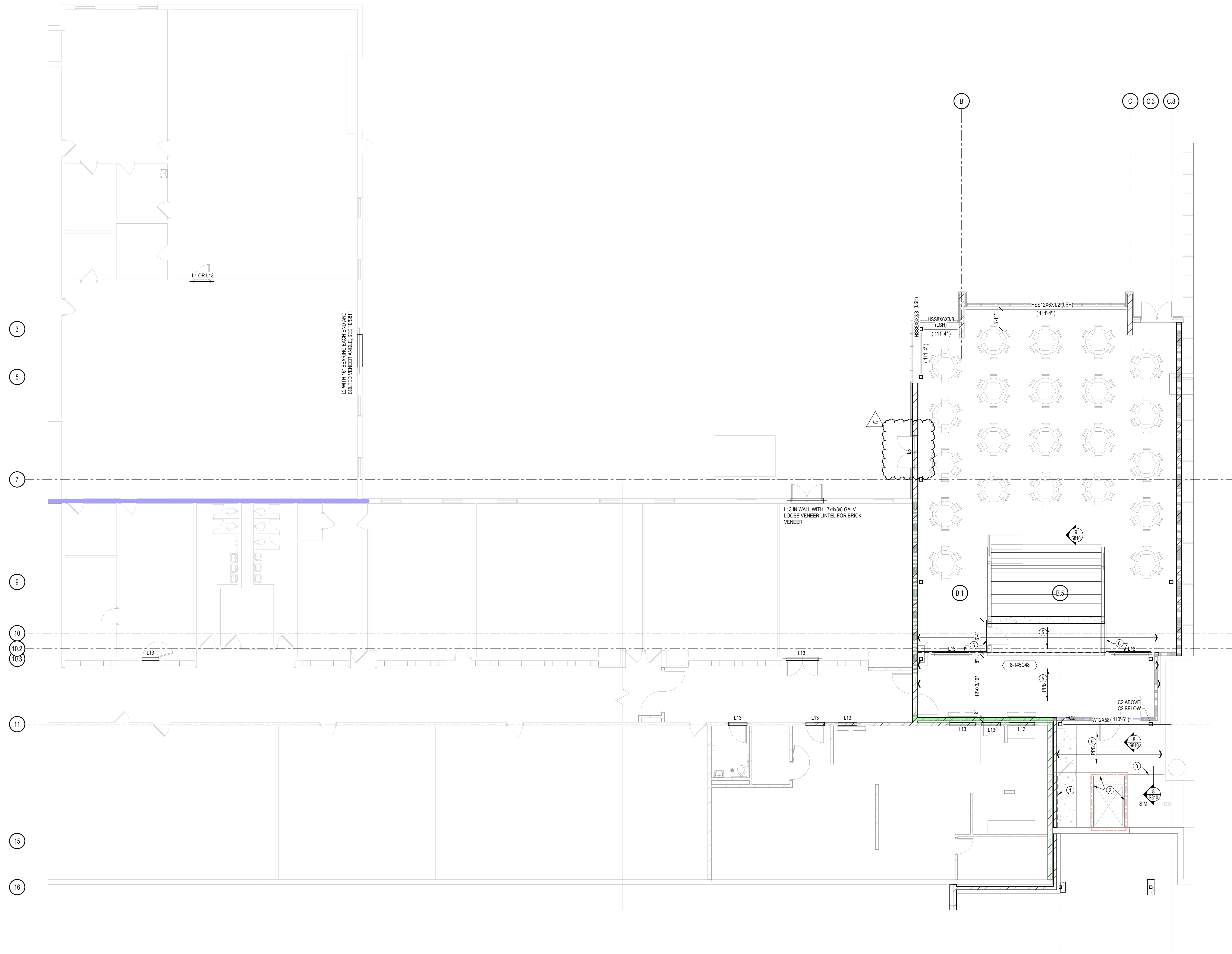
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.

Wayne W. Vandenberg
Date: July 9, 2019 Lic. No.: 43493
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.

Paul A. [Signature]
Date: July 9, 2019 Lic. No.: 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.



FLOOR FRAMING PLAN NOTES

- TOPPING SLAB/FINISH SLAB ELEVATION = 111'-4" UNLESS NOTED OTHERWISE ON PLAN.
- TOP OF STEEL ELEVATION = 110'-6" UNLESS NOTED OTHERWISE ON PLAN AS (XXX'-XX") OR (175 = XXX'-XX")
- TOPPING SLAB IS TO BE BONDED. THE SLAB THICKNESS SHALL BE MEASURED AT THE ENDS OF THE PLANK SPAN. THE ACTUAL TOPPING SLAB THICKNESS WILL VARY DUE TO PLANK CAMBER AND DEFLECTION. TOPPING SLAB WEIGHT IS IN ADDITION TO THE SUPERIMPOSED LOADS REQUIRED BY DESIGN. NO REDUCTION OF TOPPING SLAB LOAD DUE TO PLANK CAMBER IS PERMITTED.
- TOPPING SLAB TO BE REINFORCED WITH SYNTHETIC MACRO FIBERS.
- SUPPORTING STRUCTURAL FRAMING PROVISIONS ARE BASED ON THE FOLLOWING ASSUMED MAXIMUM PRECAST PLANK SELFWEIGHTS:
8" PLANK: 61 PSF
- PRECAST SUPPLIER IS RESPONSIBLE FOR DESIGN, FABRICATION, AND INSTALLATION OF ALL HEADERS WHERE REQUIRED FOR OPENINGS THROUGH PLANK UNLESS NOTED OTHERWISE. COORDINATE SIZE AND LOCATION OF ALL OPENINGS THROUGH PLANK WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS.
- PROVIDE 8" HIGH BOND BEAMS WITH (2) #5 CONTINUOUS AT AND ADJACENT TO PRECAST PLANK BEARING ELEVATIONS UNLESS NOTED OTHERWISE. PRECAST SUPPLIER TO PROVIDE HARDBOARD BEARING STRIPS AT ENDS OF PLANK AT MASONRY BEARING.
- AT EVERY OTHER PLANK BEARING ON STEEL BEAM FROM EITHER ONE OR BOTH SIDES OF BEAM. PROVIDE WELD PLATE CONNECTION NEAR END OF PLANK. SEE DETAIL 9/S810.
- REFER TO SHEET S002 FOR PRECAST PLANK SCHEDULE.

FLOOR FRAMING KEY NOTES - SEG B

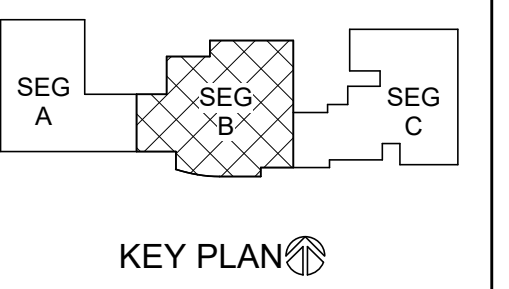
- REMOVE PLANK AS NECESSARY TO INSTALL NEW CMU WALL
- EXISTING LOAD BEARING MASONRY WALL TO REMAIN
- EXISTING W8X24 BEAM TO REMAIN. T/STEEL (ASSUMED) = 110'-6". VERIFY ACTUAL POSITION AND ELEVATION IN FIELD
- EXISTING 8" HOLLOWCORE PLANK TO REMAIN. T/PLANK = 111'-2" WITH 2" TOPPING FOR T/SLAB = 111'-4"
- NEW 8" HOLLOWCORE PLANK. T/PLANK = 111'-2" WITH 2" TOPPING SLAB FOR T/SLAB = 111'-4"
- PROVIDE EMBEDDED PLATES IN TOP SIDE OF PLANK AS REQUIRED TO MOUNT RAILINGS PER ARCHITECTURAL DETAILS

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
 Project Location: 100 KIRKWOOD ST E
 LANESBORO, MN 55949
 Sheet Title: FLOOR FRAMING SEG B

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: raSMITH



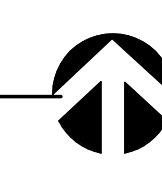
Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: VARIES

Last Update: 10/9/2019 3:57:00 PM

S103





HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.8944
www.hsrassociates.com

Consultant:

raSmith
1220 E. Geneva Dr., Ste. 108
Madison, WI 53714-8342
608.447.2014
www.ra-smith.com
project number: 1180777

Contractors are responsible for the means, methods, techniques, equipment and procedures of construction resulting, but not limited to, temporary supports, shoring, bracing to support imposed loads and other similar items.

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.

Wayne W. Vandenberg
Date: July 9, 2015 Lic. No.: 43493
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.

Paul A. ...
Date: July 9, 2015 Lic. No.: 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

**LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID**

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Location: 100 KIRKWOOD ST E
LANESBORO, MN 55949

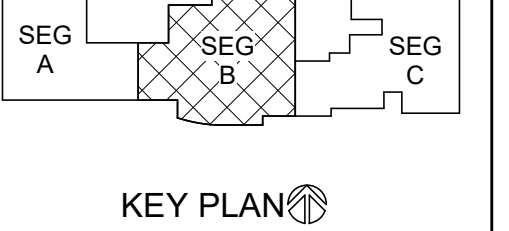
Sheet Title: ROOF FRAMING PLAN - SEG B

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: raSmith

Key Plan:



KEY PLAN

Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: VARIES

Last Update: 10/9/2019 3:57:02 PM

S104

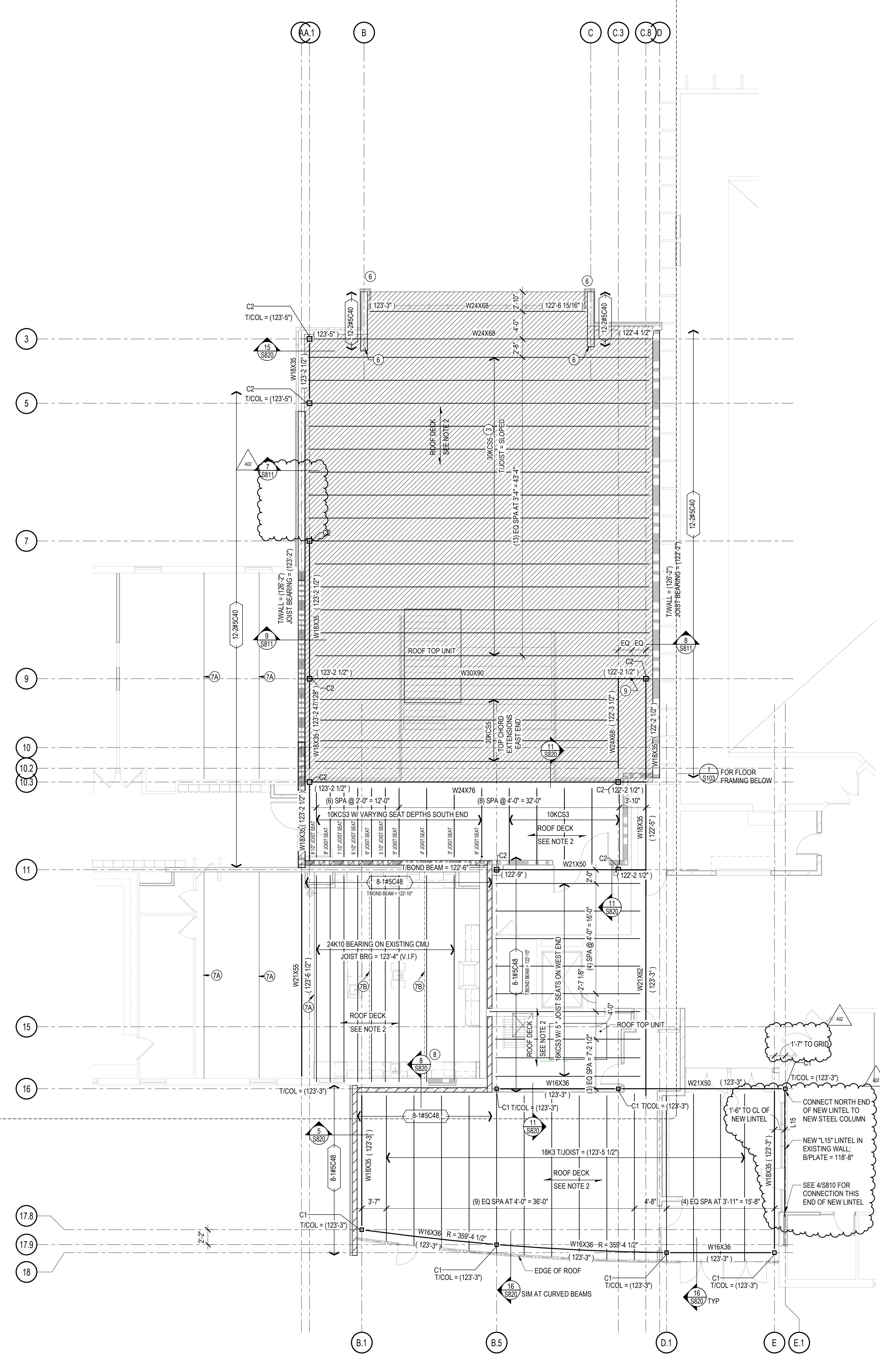
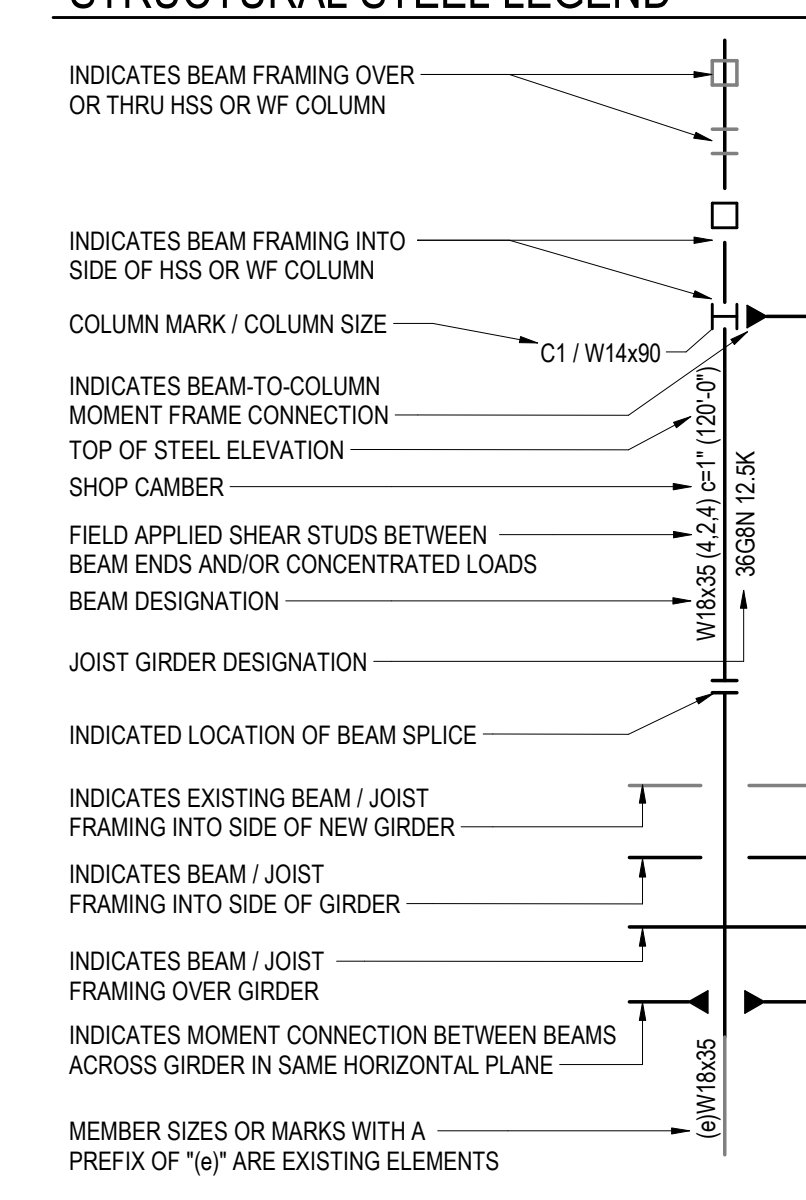
ROOF FRAMING PLAN NOTES

- TOP OF BASE STEEL (JOIST BEARING ELEVATION) AS NOTED.
- ROOF DECKING SHALL BE 1 1/2" x 20GA WIDE RIB PRIME PAINTED METAL ROOF DECK FASTENED TO SUPPORTING STRUCTURE USING 384 PATTERN OF ANY OF THE ATTACHMENT METHODS SHOWN IN DETAIL 15820 WITH #10 TEK SIDELAP FASTENERS AT 18" OC.
INSTALL DECK UNDER 3 OR MORE SPAN CONDITIONS.
[Hatched Area] AT SHADDED AREAS, PROVIDE ACOUSTICAL DECKING. IN THESE AREAS, ATTACHMENT METHODS SHALL BE LIMITED TO MECHANICAL FASTENERS ONLY; WELDING OF DECK TO UNDERLYING STRUCTURE SHALL NOT BE PERMITTED.
- DECKING SHALL BE 3x18 GAGE TYPE 'NA' ACOUSTICAL WIDE RIB PRIME PAINTED METAL ROOF DECK FASTENED TO SUPPORTING STRUCTURE USING 264 PATTERN WITH #10 TEK SIDELAP FASTENERS AT 12" OC. PROVIDE DECK WITH THE FOLLOWING PROPERTIES:
THICK = 0.0474 in I = 1.334 in⁴/ft S_y = 0.688 in³/ft F_y = 33 KSI S_x = 0.749 in³/ft
- ▷ INDICATES LOCATION OF BAR JOIST BOTTOM CHORD EXTENSION. DO NOT WELD EXTENSION TO SUPPORT FRAMING.
- PROVIDE 8" HIGH BOND BEAM WITH (2) #5 CONTINUOUS AT AND ADJACENT TO JOIST BEARING ELEVATIONS UNLESS NOTED OTHERWISE. WHERE JOIST BEARING IS NOT AT COURSING, PROVIDE PARTIAL HEIGHT BLOCK GROUDED SOLID TO TOP OF BOND BEAM. WIDTH OF BOND BEAM TO MATCH WALL THICKNESS AND IS TO RUN CONTINUOUS THROUGH CONTROL JOINTS. PROVIDE CORNER BARS WHERE THEY OCCUR AND LAP ALL BOND BEAM STEPS A MINIMUM OF 2'-0".
- JOIST SUPPLIER TO PROVIDE CONTINUOUS TOP AND BOTTOM CHORD HORIZONTAL ANGLE BRIDGING AS REQUIRED. PROVIDE DIAGONAL X-BRIDGING WHERE INDICATED.
- PROVIDE ANGLE FRAME SUPPORT AT ALL ROOF OPENINGS IN ACCORDANCE WITH DETAIL 45820.
- ALL BAR JOISTS AND JOIST GIRDERS TO BE DESIGNED FOR A NET UPLIFT LOAD OF 15 PSF IN ADDITION TO GRAVITY VERTICAL LOADS REQUIRED BY THE BAR JOIST DESIGNATION.
- REFER TO SHEET S002 FOR COLUMN SCHEDULE.
- PROVIDE (2) OS BELOW ROOFTOP UNIT CURB AND REINFORCE. JOIST AS NEEDED AT CURB LOCATION IN ACCORDANCE WITH DETAIL 35820 (TYPICAL).
- BRACE TOP OF NON-LOAD BEARING CMU WALLS IN ACCORDANCE WITH DETAILS 65820 AND 75820.
- TYPICAL SLAB TO BE 5" TOTAL THICKNESS CONCRETE REINFORCED WITH EITHER MACRO POLYPROPYLENE FIBERS OR WELDED WIRE FABRIC ON 1.5" GAUGE COMPOSITE METAL DECKING SPANNING ACROSS BR JOISTS. IN AREAS MARKED ON PLAN WITH [Symbol] POLISHED CONCRETE MUST USE #4" W2.9W2.9 WELDED WIRE FABRIC IN SLABS (NO FIBERS ALLOWED). VERIFY POLISHED CONCRETE LOCATIONS WITH ARCHITECTURAL PLANS. AT 5IM, 8" TOTAL CONCRETE THICKNESS. REINFORCE WITH #4 BARS AT 12" OC. EACH WAY

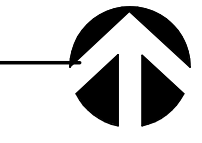
ROOF FRAMING KEY NOTES

- 16X43X8 LLV GALVANIZED ANGLE (LOOSE LINTEL) FOR SUPPORT OF BRICK VENEER.
- 4" OD 11 GA TUBING PER HOOP MFR
- MISCELLANEOUS STEEL ANGLES OR UNISTRUT BY HOOP INSTALLER BASED ON MFR REQUIREMENTS. JOIST DESIGNER TO ACCOUNT FOR ADDITIONAL LOADS FROM BASKETBALL GOALS AS FOLLOWS:
PLAYING POSITION: 1K X 1K
STORAGE POSITION: 0.5K X 0.5K
LOADS ARE BASED ON ASSUMED GOAL WEIGHT OF 2,500 LBS IN PLAYING POSITION, INCLUDING 750 LBS ALLOWANCE FOR PLAYERS. COORDINATE EXACT LOCATIONS, WEIGHTS AND CONNECTION REQUIREMENTS WITH ARCHITECT AND GOAL SUPPLIER.
PROVIDE ADDITIONAL BRIDGING AT EACH GOAL AS REQUIRED TO RESIST LATERAL LOADS IMPOSED UPON JOISTS FROM MOVING GOAL. COORDINATE LOAD MAGNITUDES WITH GOAL SUPPLIER.
- THIS AREA DESIGNED TO ACCOMMODATE SOLAR PANELS
- NO BRICK VENEER AT THESE OPENINGS
- LSX3X8 (GALV) LOOSE VENEER LINTEL, LENGTH = OPENING SIZE PLUS 8" EACH END
- EACH END, (4) #6 VERTICAL BARS IN GROUTED CELLS
- EXISTING (CIRCA 1953) ROOF BEAMS 5 1/4" WIDE X 19 1/2" HIGH. T/B BEAM = 120'-4 3/8" TO REMAIN. VERIFY LOCATIONS OF EXISTING IN THE FIELD IN ORDER TO CONFIRM EXTENT OF REQUIRED REMOVAL AND SUPPORT OF EXISTING FRAMING TO REMAIN.
- EXISTING (CIRCA 1953) ROOF BEAMS 5 1/4" WIDE X 19 1/2" HIGH. T/B BEAM = 120'-4 3/8" TO BE REMOVED. VERIFY LOCATIONS OF EXISTING IN THE FIELD IN ORDER TO CONFIRM EXTENT OF REQUIRED REMOVAL AND SUPPORT OF EXISTING FRAMING TO REMAIN.
- EXTEND JOIST TAILS 11 1/2" PAST CENTERLINE OF CMU WALL FOR DECK SUPPORT
- PROVIDE 9" DIA HOLE, CENTERED ON BEAM DEPTH FOR PIPING TO PASS THROUGH

STRUCTURAL STEEL LEGEND



1 ROOF FRAMING PLAN - SEG B
SCALE: 1/8" = 1'-0"

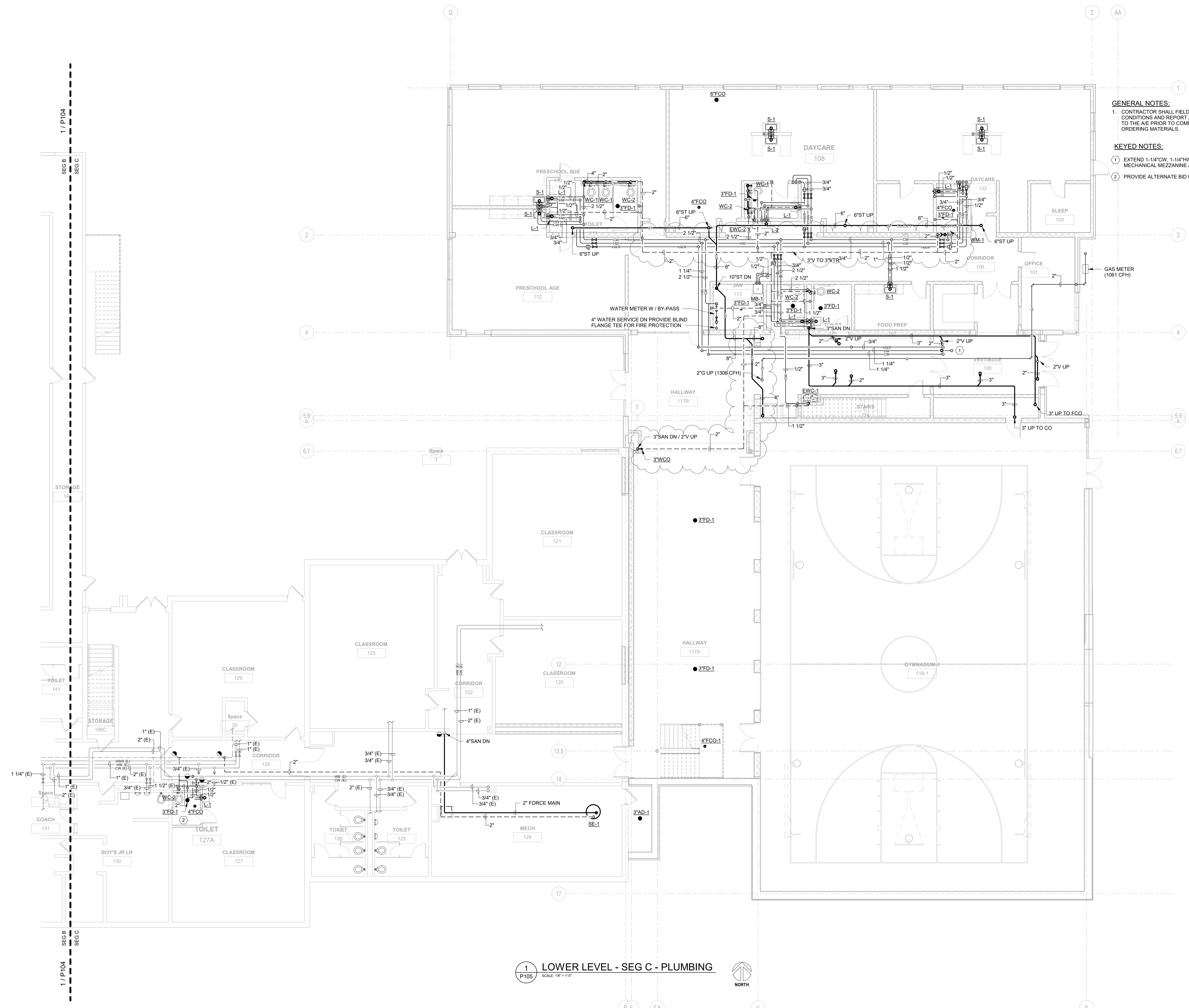




HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member of the State of Wisconsin.
Robert C. Stone
Robert C. Stone
Date: July 5, 2019 Lic. No. 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.



- GENERAL NOTES:**
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK OR ORDERING MATERIALS.
- KEYED NOTES:**
- EXTEND 1-1/4" CW, 1-1/4" HW, AND 3/4" HWR UP TO MECHANICAL MEZZANINE ABOVE.
 - PROVIDE ALTERNATE BID FOR TOILET 127A.

1 LOWER LEVEL - SEG C - PLUMBING
SCALE: 1/8" = 1'-0"



**LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - RBID
LOWER LEVEL - SEG C - PLUMBING**

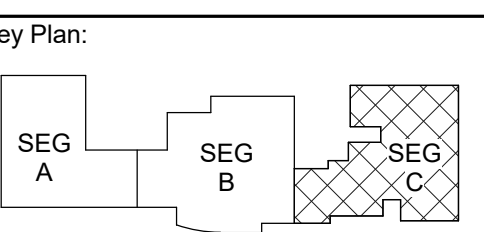
Project Title: 204 KIRKWOOD ST EAST
Location: LANESBORO, MN 55949

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: JDR

Key Plan:



KEY PLAN

Revisions:

No.	Description	Date
A02	ADDENUM #02	10-9-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update: 10/9/2019 1:04:02 PM

P105



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

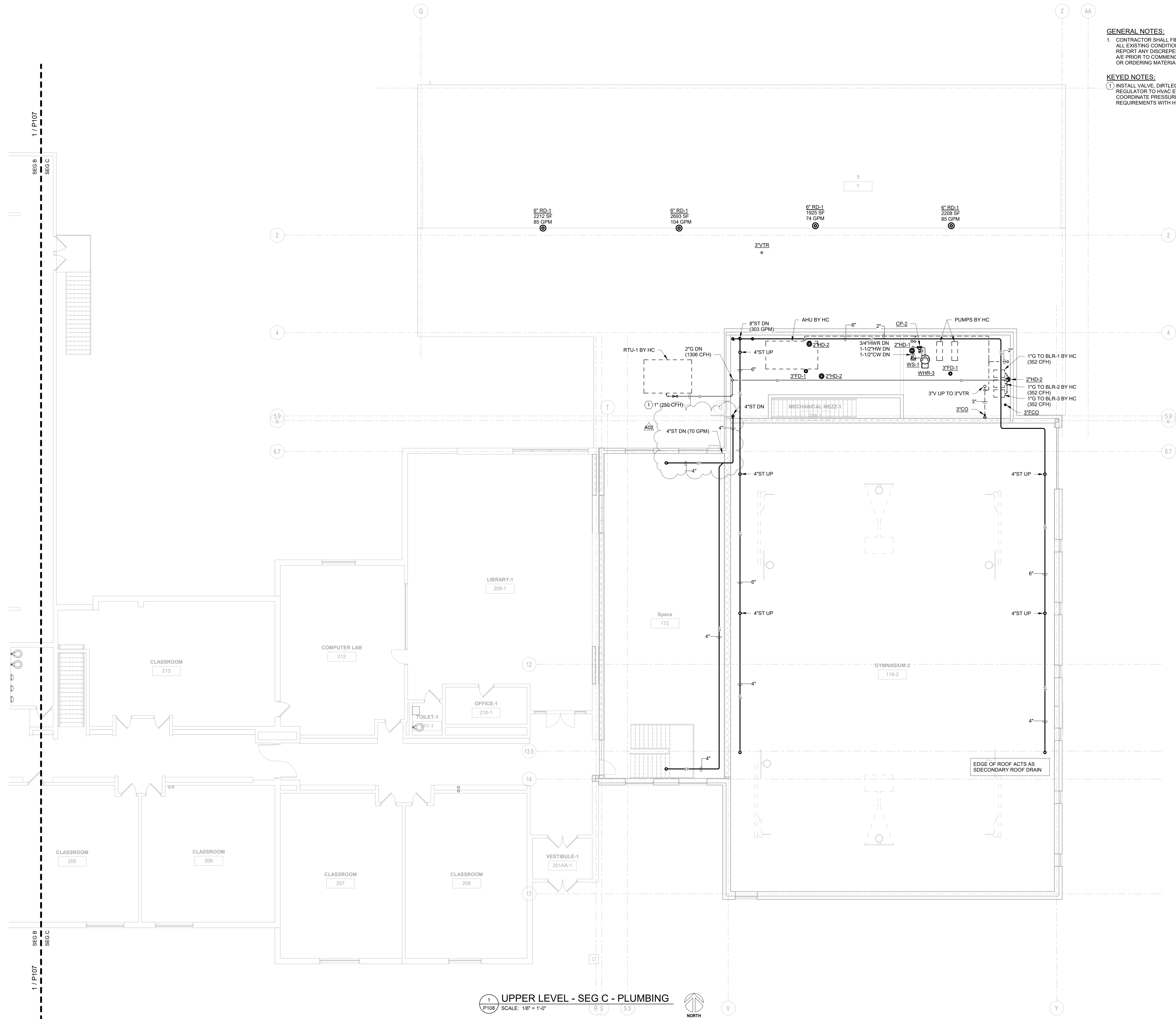
ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member of the State of Wisconsin.
Robert C. Sines
Robert C. Sines
Date: July 5, 2019 Lic. No. 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

GENERAL NOTES:

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK OR ORDERING MATERIALS.

KEYED NOTES:

- INSTALL VALVE, DIRTLEG AND GAS REGULATOR TO HVAC EQUIPMENT. COORDINATE PRESSURE REQUIREMENTS WITH H.C.



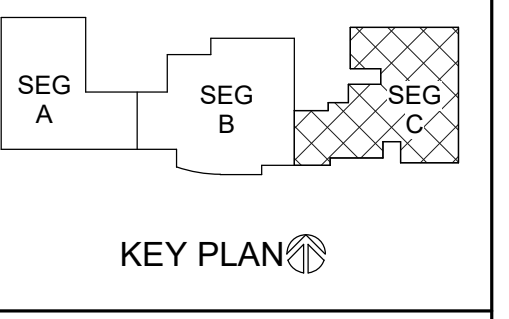
1 UPPER LEVEL - SEG C - PLUMBING
SCALE: 1/8" = 1'-0"

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: **UPPER LEVEL - SEG C - PLUMBING**

HSR Project Number: **18063**

Project Date: **9-26-19**

Drawn By: **JDR**



Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update: **10/9/2019 1:04:14 PM**

P108



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member of the Wisconsin State Board of Engineers.
Robert C. Stone
Date: July 5, 2019 License No. 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

LUMINAIRE SCHEDULE

SYMBOL	CALLOUT	DESCRIPTION	LAMP	INPUT WATTS	TOTAL LUMENS	LAMP COLOR	VOLTS	MOUNTING	MODEL	NOTES
	A	2X2 LED RECESSED	(1) LED	30.3	3930	4000K	MULTIPLE	RECESSED	METALUX 22CZ2-39HE-UNV-L840-CD-1-U EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	B	6" LED DOWNLIGHT	(1) LED	21.2	2000	4000K	MULTIPLE	RECESSED	PORTFOLIO LD68-20-D010 / EU68-1020-80-40 / 6LB-W-0-LI EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	C	LINEAR LED PENDANT	(1) LED	80.4	9970	4000K	MULTIPLE	PENDANT	NULITE RP4-4B-400D/400UP-L40-UNV-D-1C-FRF-WH-T1W48-* EQUALS BY AXIS, HUBBELL, LITHONIA, AND PHILIPS.	REFER TO LIGHTING FLOOR PLANS FOR SYSTEM RUN LENGTHS. PROVIDE CABLE LENGTH TO MOUNT LIGHT FIXTURES BELOW STRUCTURAL TRUSSES.
	D	8FT LED STRIP	(1) LED	83	10464	4000K	MULTIPLE	SURFACE	METALUX 8SLSTP110400D-UNV EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	E	4FT LED STRIP	(1) LED	49	5845	4000K	MULTIPLE	SURFACE	METALUX 4SLSTP5640D-UNV EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	PROVIDE SUSPENSION AIRCRAFT CABLE KIT TOGGLE-* AS NEEDED. FIELD VERIFY LENGTH OF ALL AIRCRAFT CABLE.
	EM	SELF POWERED EGRESS LIGHT	(2) LED	1	0		MULTIPLE	SURFACE	SURE-LITES SEL50 EQUALS BY CHLORIDE, DUAL LITE, AND LITHONIA.	
	F	HIGH BAY LED	(1) LED	127	16216	4000K	MULTIPLE	SURFACE	METALUX 4ILED-LD5-16-N-WG-UNV-L840-CD2-U EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	PROVIDE CABLE LENGTH TO MOUNT LIGHT FIXTURES BELOW STRUCTURAL TRUSSES.
	G	4FT LED SURFACE MOUNT WITH OS	(1) LED	28.6	3217	4000K	MULTIPLE	SURFACE	METALUX 4SWLED-32SL-LC-UNV-L840-CD-1-U EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	H	LINEAR LED RECESSED	(1) LED	44.4	4840	4000K	MULTIPLE	RECESSED	NULITE RG4-400L40-UNV-D-1C-FRF-* EQUALS BY AXIS, HUBBELL, LITHONIA, AND PHILIPS.	REFER TO LIGHTING FLOOR PLANS FOR SYSTEM RUN LENGTHS.
	J	6" LED CYLINDER	(1) LED	28	2600	4000K	MULTIPLE	PENDANT	CONTECH CYL640KM/DFWCCLR-* EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	REFER TO LIGHTING FLOOR PLANS FOR COLOR OPTIONS.
	K	LED TRACK LIGHT	(1) LED	300	850	4000K	MULTIPLE	PENDANT/SURFACE	HALO L808NF900P EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	PROVIDE WITH L853P TRACK (INCLUDING ALL REQUIRED CONNECTORS/ACCESSORIES) AND LOW VOLTAGE CURRENT LIMITER. VERIFY QUANTITY OF TRACK HEADS AND FINISHES WITH OWNER/ARCHITECT.
	L	LED BATHROOM WALL MOUNT	(1) LED	40	4200	4000K	MULTIPLE	WALL	PRUDENTIAL WAL14-LED4-SO-4-P-YGW-SC-UNV-WM-DM10 EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	M	LED BOLLARD	(1) LED	22	1865	4000K	MULTIPLE	SURFACE	PRUDENTIAL BOLL-LED4-SO-4-P-YGW-SC-UNV-WM-DM10 EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	OA	EXTERIOR LED WALLPACK WITH BATTERY	(1) LED	50	4800	4000K	MULTIPLE	SURFACE	MCGRAW EDISON IST-AF-800-LED-E1-SL3-BZ-CWB EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	X	EXIT UNIVERSAL WITH BATTERY	(1) LED	1.03	0		MULTIPLE	WALL/CEILING	SURE-LITES SLX7 EQUALS BY CHLORIDE, DUAL LITE, AND LITHONIA.	

MANUFACTURER'S NAMES AND CATALOG NUMBERS ARE USED FOR QUALITY AND PERFORMANCE ONLY. ALTERNATE LISTED LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES MANUFACTURED BY OTHERS SHALL BE EQUALLY ACCEPTABLE PROVIDED THEY MEET OR EXCEED IN PERFORMANCE AND QUALITY AS SPECIFIED.

RECEPTACLE SCHEDULE

SYMBOL	DESCRIPTION	VOLTS	NOTES
	DEDICATED DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	DOUBLE DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	FLOOR BOX	120V 1P 2W	WIREMOLD #RFB4 SERIES FLOOR BOX. UNLESS OTHERWISE NOTED, PROVIDE WITH TWO DUPLEX RECEPTACLES AND DATA ROUGH-IN'S COMPLETE WITH ALL REQUIRED HARDWARE. COORDINATE CONCRETE WORK WITH G.C. PROVIDE 1-1/2" CONDUIT WITH PULL STRING MINIMUM FOR DATA CABLING.
	GFCI DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	RAISED DOUBLE DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 46" UNLESS NOTED OTHERWISE.
	RAISED DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 46" UNLESS NOTED OTHERWISE.
	RAISED GFCI DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 46" UNLESS NOTED OTHERWISE.
	SIMPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	USB DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	USB RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.

COMMUNICATIONS DEVICE SCHEDULE

SYMBOL	DESCRIPTION	NOTES
	CLOCK WALL MOUNTED ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
	COMMUNICATIONS OUTLET ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. MOUNT AT 18" AFF UNLESS NOTED OTHERWISE. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
	RAISED COMMUNICATIONS OUTLET ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. MOUNT AT 46" AFF UNLESS NOTED OTHERWISE. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
	SPEAKER CEILING MOUNTED ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
	SPEAKER WALL MOUNTED ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
	WIRELESS ACCESS POINT ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.

* ELECTRICAL CONTRACTOR RESPONSIBLE FOR ROUGH-IN ONLY. CABLING TO BE INSTALLED BY SEPERATE OWNER CONTRACTOR.

LIGHTING CONTROL SCHEDULE

SYMBOL	DESCRIPTION	NOTES
	0-10V DIMMER SWITCH	SINGLE POLE DIMMER SWITCH. MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	0-10V THREE WAY DIMMER SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	CEILING MOUNTED OCCUPANCY SENSOR	DUAL TECHNOLOGY LOW VOLTAGE 360 DEGREE STANDARD RANGE CEILING SENSOR WITH ISOLATED LOW VOLTAGE RELAY. WATTSTOPPER #DT-300 SERIES OR EQUAL BY LEVITON, HUBBELL, OR SENSOR SWITCH.
	FOUR WAY SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	KEYED SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	PILOT LIGHT SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	SINGLE POLE SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	THREE WAY SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	WALL OCCUPANCY SENSOR	PIR SINGLE RELAY WALL SENSOR WITH 0-10V DIMMING. SELECTABLE SETTINGS FOR OCCUPANCY OR VACANCY. MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE. WATTSTOPPER #PW-311 SERIES OR EQUAL BY LEVITON, HUBBELL, OR SENSOR SWITCH.

ACCESS CONTROL SCHEDULE

SYMBOL	CALLOUT	NOTES
	CARD READER ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE RACEWAY AND JUNCTION BOX. REFER TO E900 FOR TYPICAL DOOR ACCESS CONTROL DETAILS.
	DOOR POSITION SWITCH ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE RACEWAY AND JUNCTION BOX. REFER TO E900 FOR TYPICAL DOOR ACCESS CONTROL DETAILS.
	ELECTRIC STRIKE ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE RACEWAY AND JUNCTION BOX. REFER TO E900 FOR TYPICAL DOOR ACCESS CONTROL DETAILS.

* ELECTRICAL CONTRACTOR RESPONSIBLE FOR ROUGH-IN ONLY. CABLING TO BE INSTALLED BY SEPERATE OWNER CONTRACTOR.

FIRE ALARM SCHEDULE

SYMBOL	DESCRIPTION	NOTES
	FIRE ALARM ANNUNCIATOR PANEL	FIRE ALARM SYSTEM WALL MOUNTED ANNUNCIATOR PANEL.
	FIRE ALARM CONTROL PANEL	FIRE ALARM SYSTEM WALL MOUNTED CONTROL PANEL.
	PULLSTATION	FIRE ALARM SYSTEM PULLSTATION. LOCATE IN PATH OF EGRESS WITHIN 5' OF EGRESS DOOR.
	SMOKE DETECTOR	FIRE ALARM SYSTEM CEILING SMOKE DETECTOR.
	WALL MOUNTED AUDIO-VISUAL NOTIFICATION DEVICE	FIRE ALARM SYSTEM WALL MOUNTED AUDIO/VISUAL ANNUNCIATION DEVICE WITH ADJUSTABLE CANDELA SETTINGS. ADJUST CANDELA TO SETTING INDICATED ON PLAN.
	WALL MOUNTED VISUAL NOTIFICATION DEVICE	FIRE ALARM SYSTEM WALL MOUNTED AUDIO/VISUAL ANNUNCIATION DEVICE WITH ADJUSTABLE CANDELA SETTINGS. ADJUST CANDELA TO SETTING INDICATED ON PLAN.

GENERAL:

-
-
-
-
-
-
-
-
-

ELECTRICAL SHEET INDEX

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:

Last Update:
10/9/2019 11:32:34 AM

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID

Project Title: LANESBORO PUBLIC SCHOOLS
204 KIRKWOOD ST EAST
LANESBORO, MN 55949

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: JDR

Key Plan:

Revisions:

No. Description Date

A02 ADDENDUM #02 10-9-19

Graphic Scale:

Last Update:

10/9/2019 11:32:34 AM

Revisions:

No. Description Date

A02 ADDENDUM #02 10-9-19

Graphic Scale:

Last Update:

10/9/2019 11:32:34 AM

Revisions:

No. Description Date

A02 ADDENDUM #02 10-9-19

Graphic Scale:

Last Update:

10/9/2019 11:32:34 AM

Revisions:

No. Description Date

A02 ADDENDUM #02 10-9-19

Graphic Scale:

Last Update:

10/9/2019 11:32:34 AM

E000

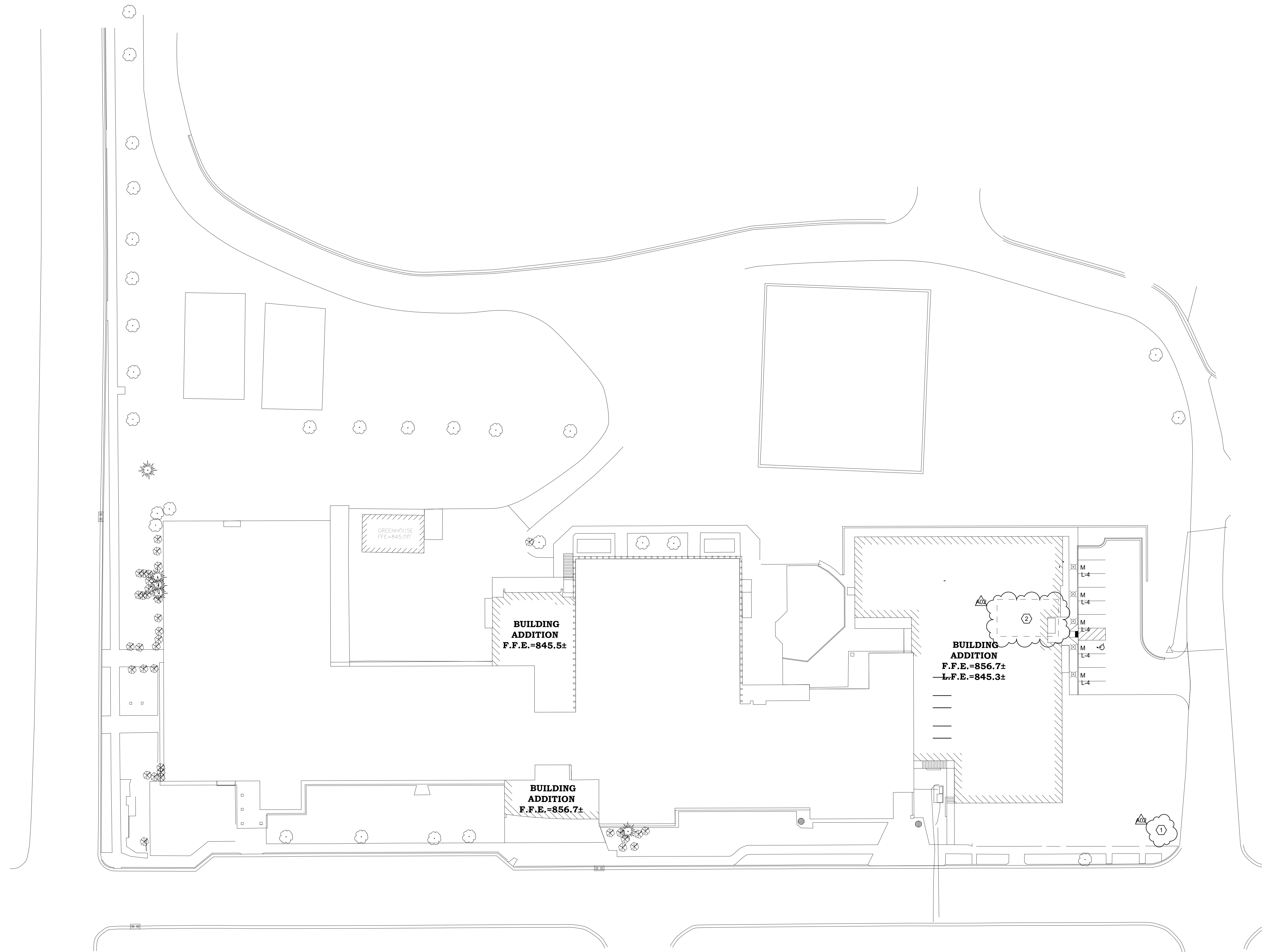
SYMBOLS AND ABBREVIATIONS - ELECTRICAL



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member in good standing of the State of Wisconsin.
Robert C. Stone
Robert C. Stone
Date: July 5, 2019 Lic. No. 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.



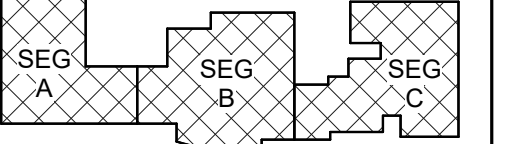
Project Title: **LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID**
Project Location: **204 KIRKWOOD ST EAST
LANESBORO, MN 55949**
Sheet Title: **SITE PLAN - ELECTRICAL**

HSR Project Number: **18063**

Project Date: **9-26-19**

Drawn By: **JDR**

Key Plan:



KEY PLAN

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0' 7.5' 15' 30' 45'

Last Update:
10/9/2019 2:56:15 PM

E001

1 SITE PLAN - ELECTRICAL
E001 SCALE NORTH

- GENERAL NOTES:
- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
 - REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE INSTALLATIONS.

- KEYED NOTES:
- NEW UTILITY TRANSFORMER TO BE LOCATED IN THIS APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH LOCAL UTILITY.
 - EXISTING GREENHOUSE TO BE RELOCATED. REFER TO C100 FOR EXACT LOCATION OF EXISTING GREENHOUSE.



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member of the State of Wisconsin.
Robert C. Stone
Date: July 5, 2019 License No. 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.



1
E090P SCALE: 1/8" = 1'-0"
LOWER LEVEL DEMO - SEG A - POWER/SYSTEMS



- GENERAL NOTES:**
- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
 - COORDINATE ALL DEMOLITION WORK REQUIREMENTS WITH ARCHITECTURAL PLANS. REWORK EXISTING ELECTRICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE ARCHITECTURAL CHANGES.
 - ALL DASHED LINES SHOWN ON THE PLANS INDICATE EXISTING DEVICES TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE ANYALL UNUSED BOXES, WIRING AND RACEWAY BACK TO SOURCE. ALL PROPERLY SIZED AND PROPERLY SUPPORTED CONDUIT ONLY MAY BE REUSED.
 - COORDINATE SHUTDOWN OF EXISTING SERVICES WITH OWNER PRIOR TO COMMENCING ANY DEMOLITION WORK.
 - THE EXISTING SIMPLEX FIRE ALARM SYSTEM IN THE BUILDING IS BEING REMOVED AND REPLACED BY THE OWNER/SIMPLEX. ANYALL FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. REFER TO NEW POWER/SYSTEMS PLANS FOR NEW FIRE ALARM DEVICE REQUIREMENTS WITHIN THE RENOVATED AREAS.
 - ANYALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE RENOVATED AREAS, INCLUDING BUT NOT LIMITED TO TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV, SHALL BE SELECTIVELY DISCONNECTED, REMOVED, AND TURNED OVER TO OWNER FOR POTENTIAL REUSE. REFER TO NEW POWER/SYSTEMS PLANS FOR NEW LOW VOLTAGE SYSTEMS REQUIREMENTS WITHIN THE RENOVATED AREAS.

- KEYED NOTES:**
- EXISTING PANELBOARD AND ENCLOSURE TO BE DISCONNECTED, REMOVED AND REPLACED. EXTEND EXISTING FEEDER TO NEW PANELBOARD. EXTEND EXISTING BRANCH CIRCUIT WIRING TO NEW PANELBOARD.
 - EXISTING SIMPLEX #4002 FIRE ALARM CONTROL PANEL TO BE DISCONNECTED, REMOVED, AND REPLACED BY OWNER/SIMPLEX. COORDINATE ALL NEW FIRE ALARM SYSTEM REQUIREMENTS WITH JASON BODDICKER (JOHNSON CONTROLS/SIMPLEX) AT 608-321-8804. ELECTRICAL CONTRACTOR TO INSTALL NEW CONDUIT AND WIRE AND EXTEND NEW FIRE ALARM SYSTEM TO ADDITIONS/RENOVATED AREAS AS SHOWN ON NEW POWER/SYSTEMS PLANS. NEW DEVICES TO BE INSTALLED BY SIMPLEX.

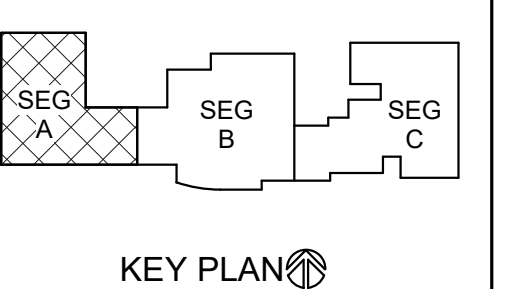
LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: **LOWER LEVEL DEMO - SEG A - POWER/SYSTEMS**

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: JDR

Key Plan:



Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0 2' 4' 8' 12'

Last Update: 10/9/2019 11:53:58 AM

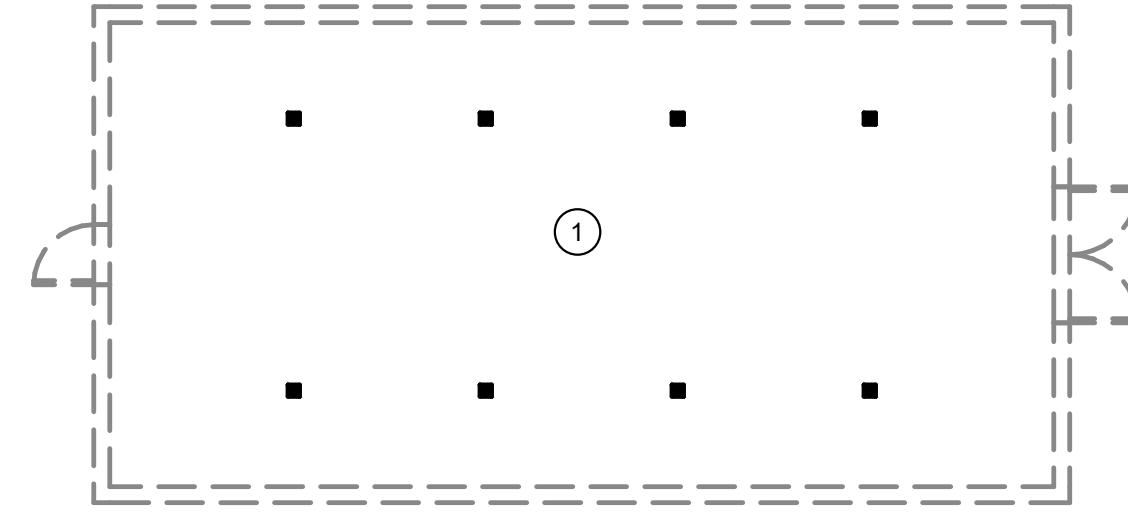
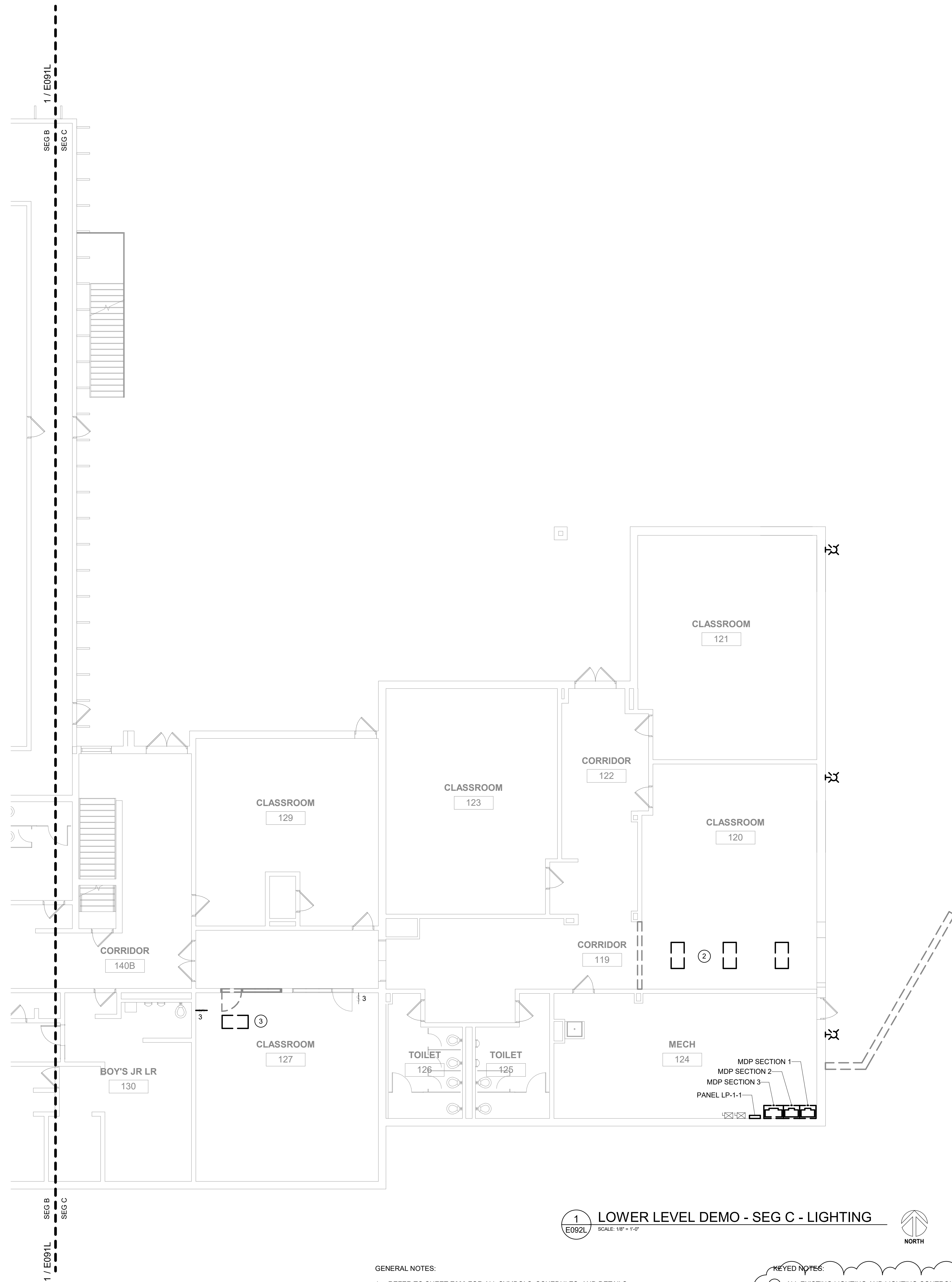
E090P



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.7228 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member in good standing of the State of Wisconsin.
Robert C. Stone
Robert C. Stone
Date: July 5, 2019 Lic. No.: 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.



1 LOWER LEVEL DEMO - SEG C - LIGHTING
SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- COORDINATE ALL DEMOLITION WORK REQUIREMENTS WITH ARCHITECTURAL PLANS. REWORK EXISTING ELECTRICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE ARCHITECTURAL CHANGES.
- ALL DASHED LINES SHOWN ON THE PLANS INDICATE EXISTING DEVICES TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE ANY/ALL UNUSED BOXES, WIRING AND RACEWAY BACK TO SOURCE. ALL PROPERLY SIZED AND PROPERLY SUPPORTED CONDUIT ONLY MAY BE REUSED.
- COORDINATE SHUTDOWN OF EXISTING SERVICES WITH OWNER PRIOR TO COMMENCING ANY DEMOLITION WORK.

KEYED NOTES:

- ALL EXISTING LIGHTING AND LIGHTING CONTROL IN EXISTING GREENHOUSE TO BE DISCONNECTED AND REMOVED. ALL EXISTING LIGHTING AND LIGHTING CONTROL TO BE SALVAGED AND REINSTALLED IN NEW GREENHOUSE LOCATION. REFER TO E001 FOR NEW GREENHOUSE LOCATION.
- REMOVE EXISTING LIGHTING CIRCUITS TO FEED NEW LIGHTING. REVISE SWITCHING AS REQUIRED.
- PROVIDE ALTERNATE BID FOR NEW TOILET 127A. REVISE EXISTING LIGHTING CIRCUITS TO FEED NEW LIGHTING. REVISE SWITCHING AS REQUIRED.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: LOWER LEVEL DEMO - SEG C - LIGHTING

HSR Project Number: 18063
Project Date: 9-26-19
Drawn By: JDR
Key Plan: [KEY PLAN]

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 10/9/2019 1:56:21 PM

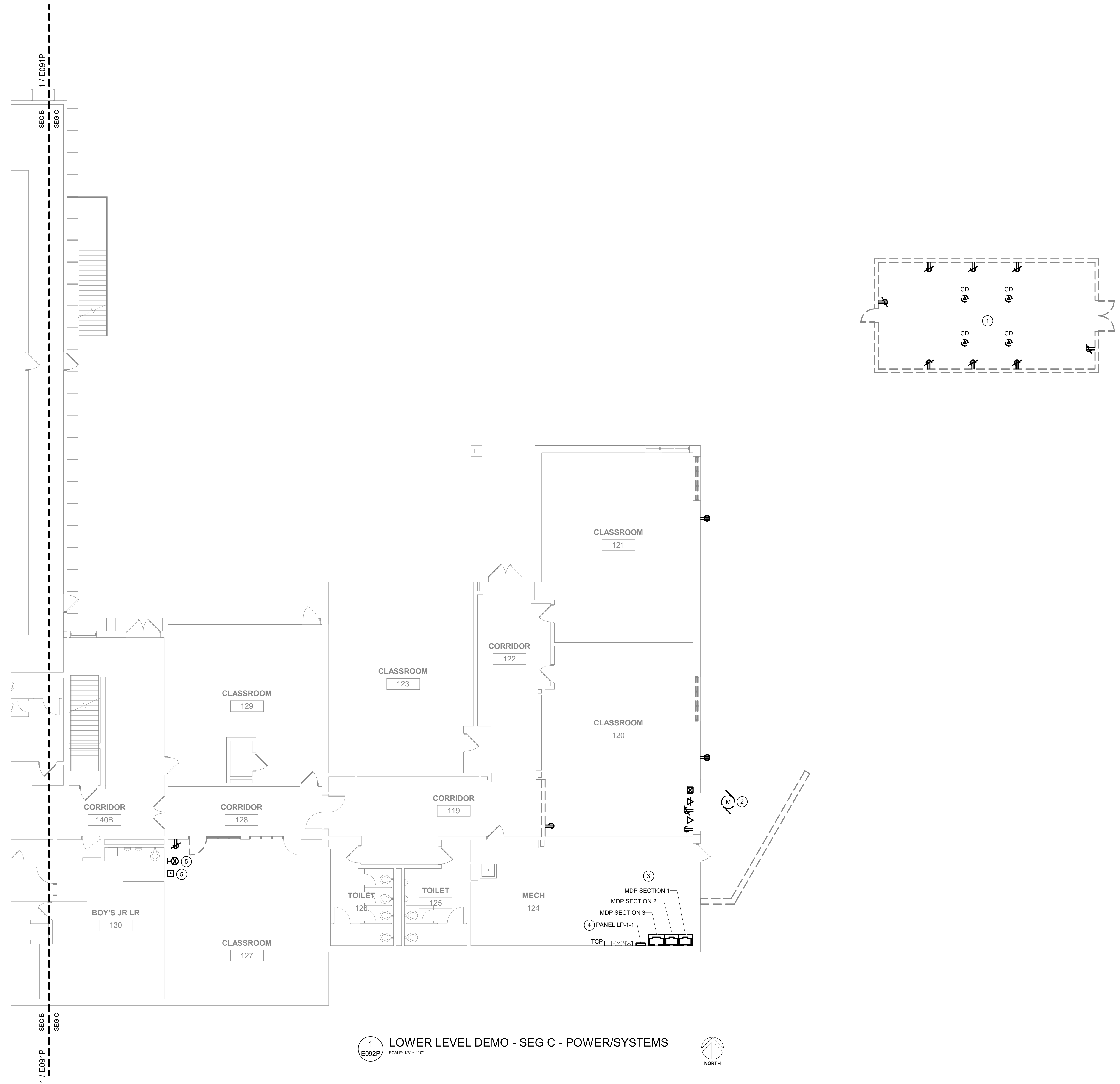
E092L



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member in good standing of the State of Wisconsin.
Robert C. Stone
Robert C. Stone
Date: July 9, 2019 Lic. No.: 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.



1 LOWER LEVEL DEMO - SEG C - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- COORDINATE ALL DEMOLITION WORK REQUIREMENTS WITH ARCHITECTURAL PLANS. REWORK EXISTING ELECTRICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE ARCHITECTURAL CHANGES.
- ALL DASHED LINES SHOWN ON THE PLANS INDICATE EXISTING DEVICES TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE ANY/ALL UNUSED BOXES. WIRING AND RACEWAY BACK TO SOURCE. ALL PROPERLY SIZED AND PROPERLY SUPPORTED CONDUIT ONLY MAY BE REUSED.
- COORDINATE SHUTDOWN OF EXISTING SERVICES WITH OWNER PRIOR TO COMMENCING ANY DEMOLITION WORK.
- THE EXISTING SIMPLEX FIRE ALARM SYSTEM IN THE BUILDING IS BEING REMOVED AND REPLACED BY THE OWNER/SIMPLEX. ANY/ALL FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. REFER TO NEW POWER/SYSTEMS PLANS FOR NEW FIRE ALARM DEVICE REQUIREMENTS WITHIN THE RENOVATED AREAS.
- ANY/ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE RENOVATED AREAS, INCLUDING BUT NOT LIMITED TO TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV, SHALL BE SELECTIVELY DISCONNECTED, REMOVED, AND TURNED OVER TO OWNER FOR POTENTIAL REUSE. REFER TO NEW POWER/SYSTEMS PLANS FOR NEW LOW VOLTAGE SYSTEMS REQUIREMENTS WITHIN THE RENOVATED AREAS.

KEYED NOTES:

- ALL EXISTING POWER DEVICES, EQUIPMENT, ETC. IN EXISTING GREENHOUSE TO BE DISCONNECTED AND REMOVED. ALL EXISTING POWER DEVICES, EQUIPMENT, ETC. TO BE SALVAGED AND REINSTALLED IN NEW GREENHOUSE LOCATION. REFER TO E001 FOR NEW GREENHOUSE LOCATION.
- ELECTRICAL CONTRACTOR TO DISCONNECT EXISTING AIR COOLED CONDENSING UNIT AND REMOVE FEEDER BACK TO SOURCE.
- ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE EXISTING MAIN SERVICE. COORDINATE SERVICE REPLACEMENT WITH LOCAL UTILITY. COORDINATE SERVICE SHUTDOWN WITH LANESBORO PUBLIC SCHOOLS.
- ELECTRICAL CONTRACTOR TO DISCONNECT AND RELOCATE EXISTING PANEL. REMOVE EXISTING FEEDER BACK TO SOURCE.
- PROVIDE ALTERNATE BID FOR NEW TOILET 127A. ELECTRICAL CONTRACTOR TO DISCONNECT AND RECONNECT EXISTING EQUIPMENT AS REQUIRED.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

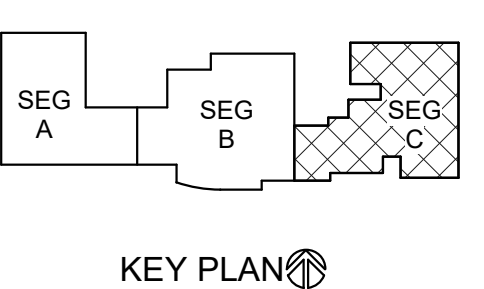
Sheet Title: LOWER LEVEL DEMO - SEG C - POWER/SYSTEMS

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: JDR

Key Plan:

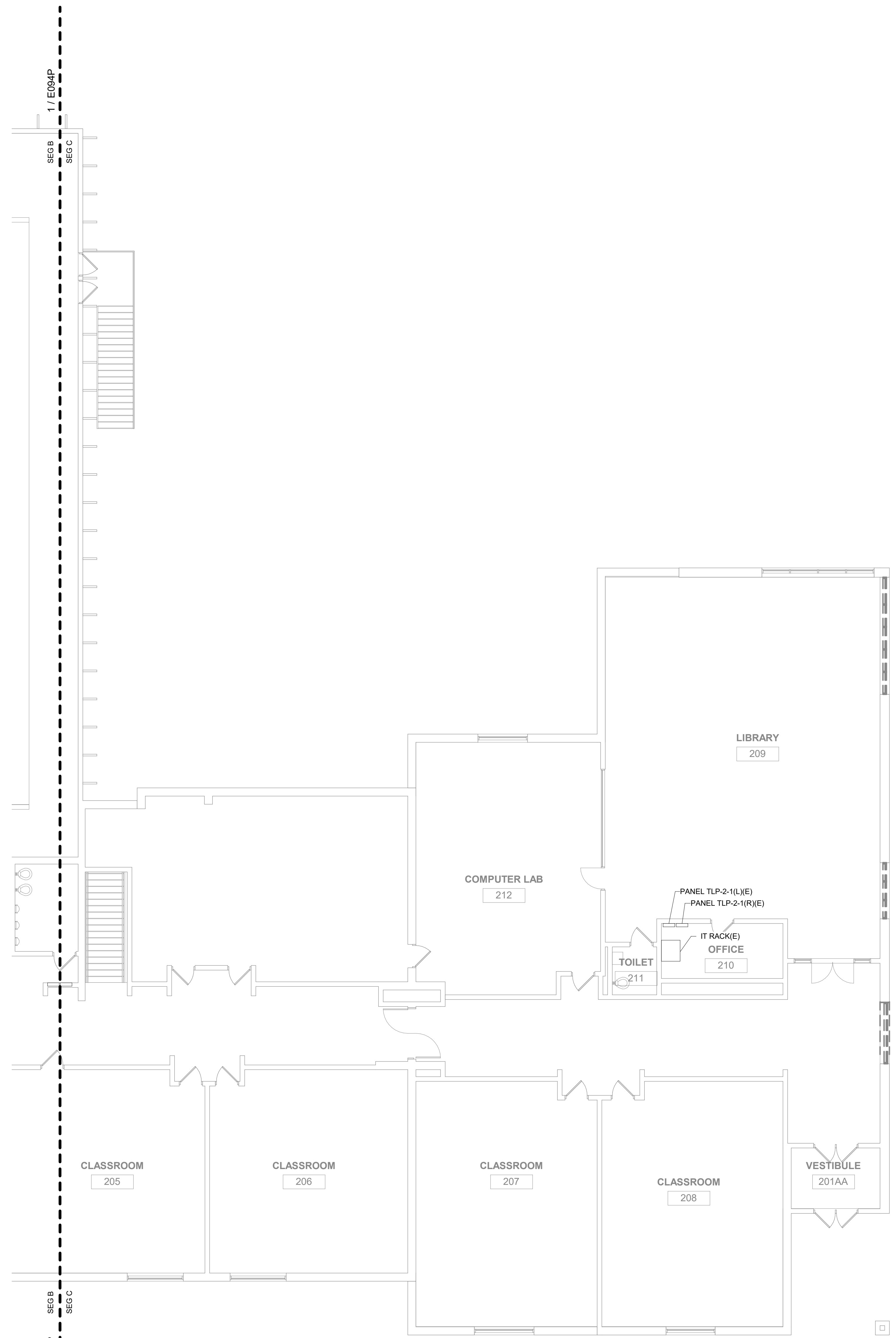


No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: 0" 2" 4" 8" 12"

Last Update: 10/9/2019 1:56:22 PM

E092P



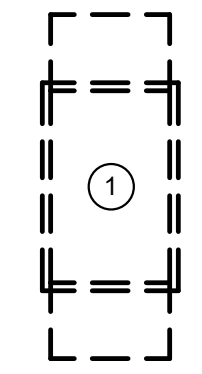
1 UPPER LEVEL DEMO - SEG C - POWER/SYSTEMS
 E095P SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- COORDINATE ALL DEMOLITION WORK REQUIREMENTS WITH ARCHITECTURAL PLANS. REWORK EXISTING ELECTRICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE ARCHITECTURAL CHANGES.
- ALL DASHED LINES SHOWN ON THE PLANS INDICATE EXISTING DEVICES TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE ANY/ALL UNUSED BOXES, WIRING AND RACEWAY BACK TO SOURCE. ALL PROPERLY SIZED AND PROPERLY SUPPORTED CONDUIT ONLY MAY BE REUSED.
- COORDINATE SHUTDOWN OF EXISTING SERVICES WITH OWNER PRIOR TO COMMENCING ANY DEMOLITION WORK.
- THE EXISTING SIMPLEX FIRE ALARM SYSTEM IN THE BUILDING IS BEING REMOVED AND REPLACED BY THE OWNER/SIMPLEX. ANY/ALL FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. REFER TO NEW POWER/SYSTEMS PLANS FOR NEW FIRE ALARM DEVICE REQUIREMENTS WITHIN THE RENOVATED AREAS.
- ANY/ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE RENOVATED AREAS, INCLUDING BUT NOT LIMITED TO TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV, SHALL BE SELECTIVELY DISCONNECTED, REMOVED, AND TURNED OVER TO OWNER FOR POTENTIAL REUSE. REFER TO NEW POWER/SYSTEMS PLANS FOR NEW LOW VOLTAGE SYSTEMS REQUIREMENTS WITHIN THE RENOVATED AREAS.

KEYED NOTES:

- EXISTING LANESBORO PUBLIC UTILITIES TRANSFORMER TO BE REMOVED BY LOCAL UTILITY TO ACCOMMODATE NEW ADDITION. COORDINATE NEW PAD MOUNTED CT CABINET AND UTILITY TRANSFORMER LOCATION WITH LOCAL UTILITY. REFER TO E600 FOR NEW CONDUITS AND CONDUCTORS FROM NEW CT CABINET TO NEW MDP.



HSR ASSOCIATES INC.
 100 MILWAUKEE STREET
 LA CROSSE, WISCONSIN
 PHONE: 608.784.1830
 FAX: 608.782.5844
 www.hsrasociates.com

Consultant:
JDR
 ENGINEERING, INC.
 5525 NOBEL DRIVE
 SUITE 110
 MADISON, WI 53711
 PH: 608.277.1728 FAX: 608.271.7016
 JDR PROJECT NO. 19.0052

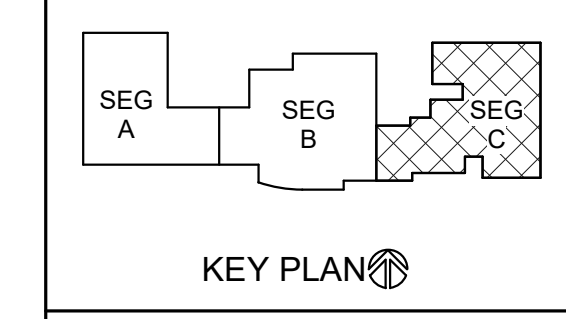
ENGINEER CERTIFICATION
 I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member in good standing of the State of Wisconsin.
 Robert C. Stone
 Date: July 5, 2019 Lic. No.: 42791
 This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

Project Title: LANESBORO PUBLIC SCHOOLS
 ADDITION & REMODEL - REBID
 Project Location: 204 KIRKWOOD ST EAST
 LANESBORO, MN 55949
 Sheet Title: UPPER LEVEL DEMO - SEG C - POWER/SYSTEMS

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: JDR



Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
 0' 2' 4' 8' 12'

Last Update: 10/9/2019 11:35:21 AM

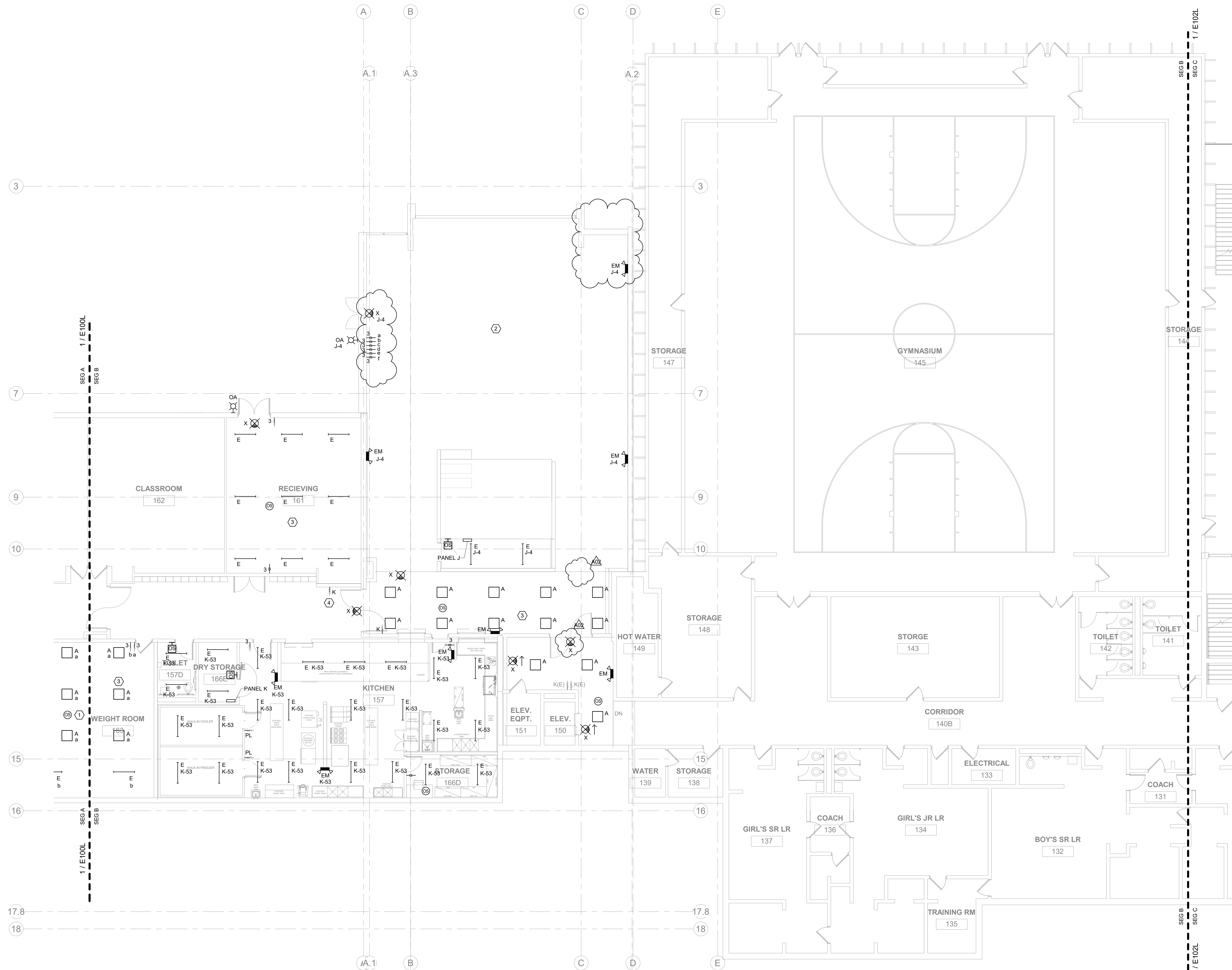
E095P



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member in good standing of the State of Wisconsin.
Robert C. Stone
Robert C. Stone
Date: July 5, 2019 Lic. No.: 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.



1 LOWER LEVEL - SEG B - LIGHTING
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE INSTALLATIONS.
- OCCUPANCY SENSOR LOCATIONS ARE SHOWN DIAGRAMMATIC ONLY. ACTUAL LOCATIONS TO BE DETERMINED IN FIELD PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE A MINIMUM 4'-0" OF FLEX CONDUIT/WIRING SO SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FINAL TESTING. FACTORY TRAINED PERSONNEL SHALL PERFORM THE FINAL TIME AND SENSITIVITY SETTINGS, COVERAGE AND/OR AIMING ADJUSTMENTS, AND TESTING. CEILING SENSOR RELAYS TO BE CONNECTED IN SERIES WITH ALL OTHER LIGHTING CONTROLS IN EACH ROOM. DAYLIGHT SENSORS SHALL BE CONNECTED TO ALL FIXTURES WITHIN CODE DEFINED DAYLIGHTING ZONES. LIGHT LEVEL CHANGES SHALL BE GRADUAL (NOT STEPPED).

KEYED NOTES:

- WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE AREA.
- REFER TO E104L FOR NEW LIGHTING IN THIS AREA.
- CONNECT NEW LIGHTING TO EXISTING CIRCUITS. REVISE SWITCHING AS REQUIRED.
- REVISE EXISTING SWITCHING AS REQUIRED.

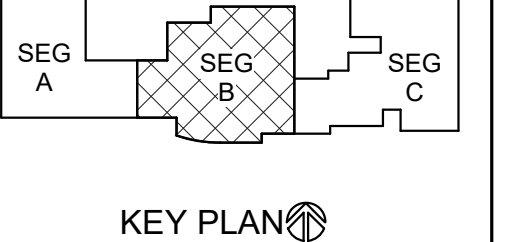
Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: LOWER LEVEL - SEG B - LIGHTING

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: JDR

Key Plan:



Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update:
10/9/2019 11:35:25 AM

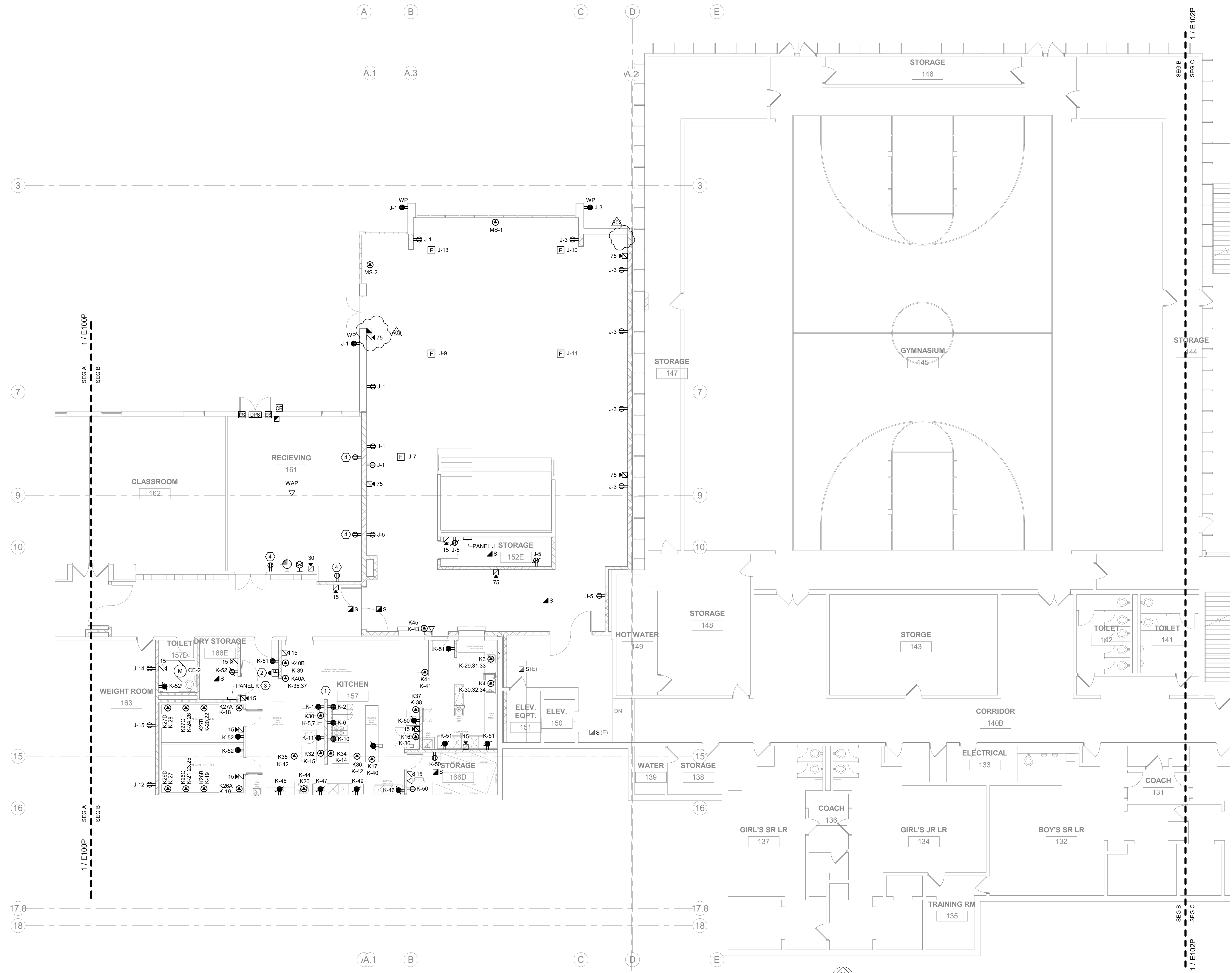
E101L



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the State of Wisconsin.
Robert C. Stone
Robert C. Stone
Date: July 5, 2019 License No.: 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.



1 LOWER LEVEL - SEG B - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"
NORTH

- GENERAL NOTES:**
- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
 - ALL POWER DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING POWER DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW CIRCUIT BREAKERS IN ORIGINATING PANELS, OR REMAIN ON CIRCUITS WHERE EXISTING PANELS REMAIN AS-IS. EXISTING CIRCUITS ORIGINATING FROM PANELS BEING REMOVED SHALL BE EXTENDED TO PANELS SERVING THE DESIGNATED AREA. SEE PANEL SCHEDULES ON E800 SERIES DRAWINGS. WHERE PRACTICAL, CONNECT EXISTING CIRCUITS AS INDICATED ON THESE SCHEDULES.
 - USE OF MULTIWIRE BRANCH CIRCUITS SERVING NEW BRANCH CIRCUITS IS NOT PERMITTED. WHERE EXISTING MULTIWIRE BRANCH CIRCUITS ARE BEING REUSED, LOCATED THE CIRCUITS ON ADJACENT BREAKERS AND PROVIDE IDENTIFIED HANDLE TIES AND GROUP CONDUCTORS WITHIN PANEL PER NEC 210.4 REQUIREMENTS.
 - ALL FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING FIRE ALARM DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW FIRE ALARM CONTROL PANEL OR ASSOCIATED NAC EXTENDER PANELS AT THEIR NEW LOCATION.
 - FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING INDICATES GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR'S FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR QUANTITIES, LAYOUT, DESIGN AND CALCULATIONS OF THEIR SPECIFIC EQUIPMENT TO PROVIDE A COMPLETE FUNCTIONAL CODE COMPLIANT SYSTEM APPROVED BY THE LOCAL AHJ.
 - A NEW SIMPLEX FIRE ALARM SYSTEM IS BEING PROVIDED IN THE BUILDING BY THE OWNER/SIMPLEX. ANY ALL EXISTING FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. PROVIDE NEW FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS FED FROM THE NEW SIMPLEX SYSTEM. REFER TO KEYED NOTE #2 ON SHEET E000P FOR FURTHER INFORMATION. FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS PLAN INDICATE GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR EXACT QUANTITIES, LAYOUT, DESIGN, AND CALCULATIONS BASED ON SPECIFIC EQUIPMENT TO BE PROVIDED, IN ORDER TO PROVIDE A COMPLETE AND FUNCTIONAL CODE COMPLIANT SYSTEM APPROVED BY THE LOCAL AHJ. ANY ALL REQUIRED SUBMITTALS/REVIEWS TO LOCAL AUTHORITIES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
 - PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE ADDITIONS/RENOVATED AREAS AS SHOWN ON THIS PLAN AND AS REQUIRED. THIS INCLUDES, BUT IS NOT LIMITED TO, AV SYSTEMS, TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV. COORDINATE ALL LOW VOLTAGE SYSTEMS LOCATIONS AND REQUIREMENTS WITH OWNERS TO CONFIRM COMPLETE SCOPE OF WORK. IN ADDITION, PROVIDE AC POWER CONNECTIONS TO LOW VOLTAGE SYSTEMS EQUIPMENT AS REQUIRED.

- KEYED NOTES:**
- REFER TO FOOD SERVICE PLANS FOR MORE INFORMATION.
 - EMERGENCY GAS SHUT-OFF BUTTON(S) FURNISHED BY PLUMBING CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 200V/120V 3P 4W, 225A, 42 CIRCUIT PANEL. EXTEND EXISTING FEEDER TO NEW PANEL. IN AREAS WHERE NEW PANEL BUS AMPS ARE GREATER THAN EXISTING FEEDER AMPS, LABEL THE MAXIMUM AMPS AVAILABLE AT THE NEW PANEL. COORDINATE EXACT LOCATION WITH OWNER.
 - CONNECT NEW RECEPTACLES TO EXISTING RECEPTACLE CIRCUITS.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Title:
204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Project Location:
Sheet Title:
LOWER LEVEL - SEG B - POWER/SYSTEMS

HSR Project Number: **18063**
Project Date: **9-26-19**
Drawn By: **JDR**
Key Plan:

KEY PLAN

Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0 2' 4' 6' 12'
Last Update:
10/9/2019 11:32:45 AM

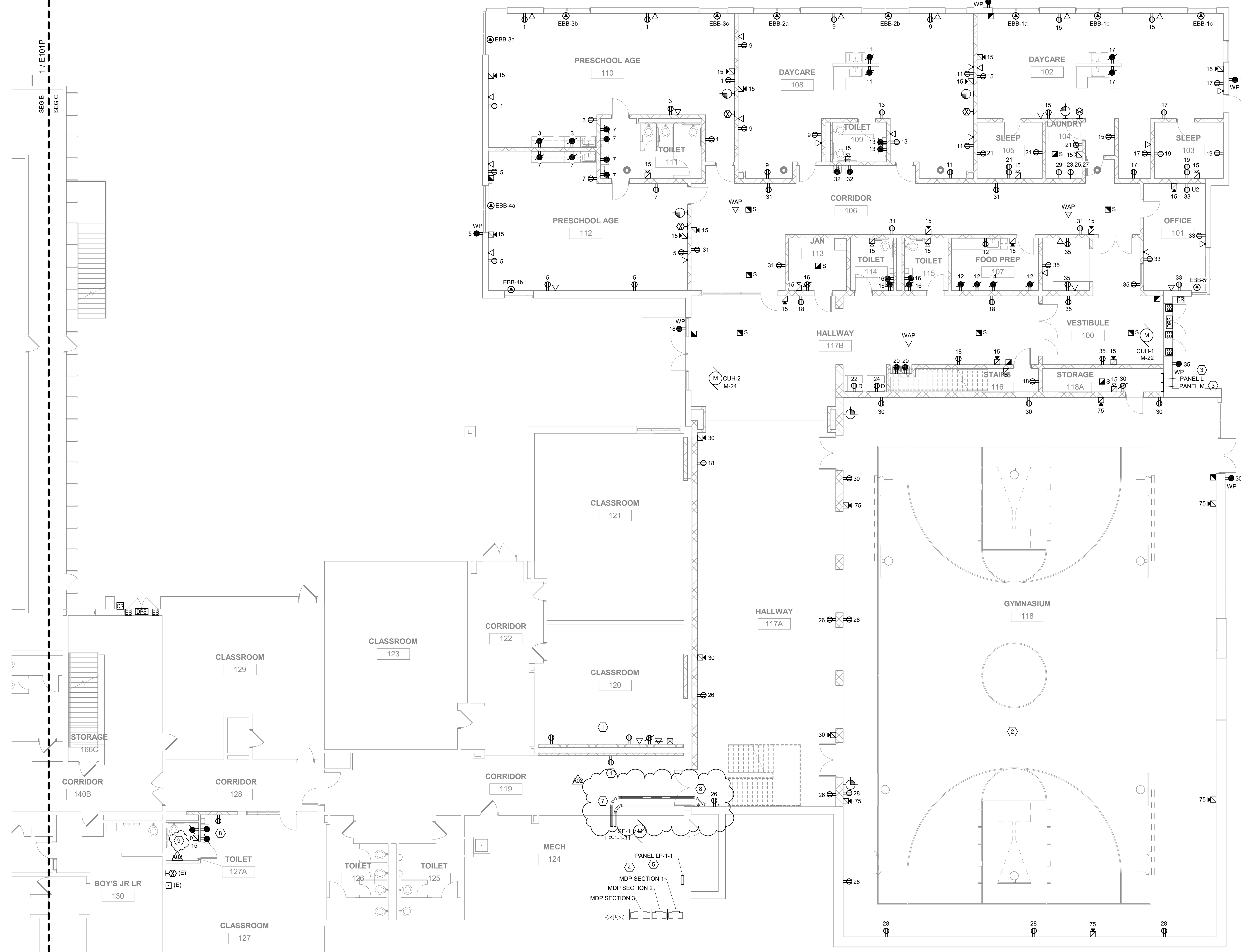
E101P



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.7728 FAX: 608.277.0416
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly Licensed Engineer under the laws of the State of Wisconsin.
Robert C. Stone
Date: July 9, 2019 Lic. No. 42790
This drawing is conditionally issued and reproduction or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.



1 LOWER LEVEL - SEG C - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- ALL POWER DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING POWER DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW CIRCUIT BREAKERS IN ORIGINATING PANELS, OR REMAIN ON CIRCUITS WHERE EXISTING PANELS REMAIN AS-IS. EXISTING CIRCUITS ORIGINATING FROM PANELS BEING REMOVED SHALL BE EXTENDED TO PANELS SERVING THE DESIGNATED AREA. SEE PANEL SCHEDULES ON E000 SERIES DRAWINGS. WHERE PRACTICAL, CONNECT EXISTING CIRCUITS AS INDICATED ON THESE SCHEDULES.
- USE OF MULTIWIRE BRANCH CIRCUITS SERVING NEW BRANCH CIRCUITS IS NOT PERMITTED. WHERE EXISTING MULTIWIRE BRANCH CIRCUITS ARE BEING REUSED, LOCATED THE CIRCUITS ON ADJACENT BREAKERS AND PROVIDE IDENTIFIED HANDLE TIES AND GROUP CONDUCTORS WITHIN PANEL PER NEC 210.4 REQUIREMENTS.
- ALL FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING FIRE ALARM DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW FIRE ALARM CONTROL PANEL OR ASSOCIATED MISC EXTENDER PANELS AT THEIR NEW LOCATION.
- FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING INDICATES GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR'S FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR QUANTITIES, LAYOUT, DESIGN AND CALCULATIONS OF THEIR SPECIFIC EQUIPMENT TO PROVIDE A COMPLETE FUNCTIONAL CODE COMPLYING SYSTEM APPROVED BY THE LOCAL AHJ.
- A NEW SIMPLEX FIRE ALARM SYSTEM IS BEING PROVIDED IN THE BUILDING BY THE OWNER/SIMPLEX. ANY ALL EXISTING FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. PROVIDE NEW FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS FED FROM THE NEW SIMPLEX SYSTEM. REFER TO KEYED NOTE #2 ON SHEET E000P FOR FURTHER INFORMATION. FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS PLAN INDICATE GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR EXACT QUANTITIES, LAYOUT, DESIGN, AND CALCULATIONS BASED ON SPECIFIC EQUIPMENT TO BE PROVIDED, IN ORDER TO PROVIDE A COMPLETE AND FUNCTIONAL CODE COMPLIANT SYSTEM APPROVED BY THE LOCAL AHJ. ANY ALL REQUIRED SUBMITTALS/REVIEWS TO LOCAL AUTHORITIES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE ADDITIONS/RENOVATED AREAS AS SHOWN ON THIS PLAN AND AS REQUIRED. THIS INCLUDES, BUT IS NOT LIMITED TO A/V SYSTEMS, TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV. COORDINATE ALL LOW VOLTAGE SYSTEMS LOCATIONS AND REQUIREMENTS WITH OWNER TO CONFIRM COMPLETE SCOPE OF WORK. IN ADDITION, PROVIDE AC POWER CONNECTIONS TO LOW VOLTAGE SYSTEMS EQUIPMENT AS REQUIRED.
- ALL NEW POWER CIRCUITS SHOWN ARE FED FROM NEW PANEL 'L' UNLESS NOTED OTHERWISE.

KEYED NOTES:

- CONNECT NEW RECEPTACLES TO EXISTING RECEPTACLE CIRCUITS.
- PROVIDE WIRE GAURDS OR PROTECTIVE COVERS OVER ALL FIRE ALARM, CLOCKS, WAPS, ETC.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 208V/120Y 3P 4W, 225A, 42 CIRCUIT PANEL.
- ELECTRICAL CONTRACTOR TO PROVIDE NEW ELECTRICAL SERVICE IN THIS APPROXIMATE LOCATION. COORDINATE NEW ELECTRICAL SERVICE WITH LOCAL UTILITY. REFER TO ONE LINE DIAGRAMS ON SHEET E600 FOR MORE INFORMATION. COORDINATE LOCATION OF NEW UTILITY TRANSFORMER WITH LOCAL UTILITY.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 208V/120Y 3P 4W, 225A, 42 CIRCUIT PANEL IN THIS APPROXIMATE LOCATION TO ACCOMMODATE NEW ELECTRICAL SERVICE. FIELD COORDINATE CLEARANCE REQUIREMENTS. IN AREAS WHERE NEW PANEL BUS AMPS ARE GREATER THAN EXISTING FEEDER AMPS, LABEL THE MAXIMUM AMPS AVAILABLE AT THE NEW PANEL. COORDINATE EXACT LOCATION WITH OWNER.
- ELECTRICAL CONTRACTOR TO PROVIDE ASTRONOMICAL TIME CLOCK FOR CONTROL OF NEW EXTERIOR LIGHTING.
- PROVIDE TWO(2) 4" CONDUITS FROM SERVICE/METER TO ROOF MOUNTED SOLAR/PV ARRAYS AS REQUIRED BY SOLAR/PV CONTRACTOR. FIELD VERIFY ALL REQUIREMENTS. ROUTE CONDUITS INTO CORRIDOR ABOVE CEILING FROM MECH 124.
- ROUTE CONDUITS UP INTO JOIST SPACE JUST BELOW DECK IN CORNER OF STAIR WELL.
- PROVIDE ALTERNATE BID FOR NEW TOILET 127A. CONNECT NEW RECEPTACLES TO EXISTING RECEPTACLE CIRCUITS.

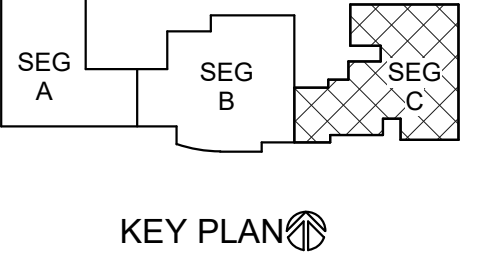
Project Title: **LANESBORO PUBLIC SCHOOLS ADDITION & REMODEL - REBID**

Project Number: **18063**

Project Date: **9-26-19**

Drawn By: **JDR**

Key Plan:



Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:
0 2 4 8 12

Last Update: **10/9/2019 11:35:26 AM**

E102P

Project Location: **204 KIRKWOOD ST EAST LANESBORO, MN 55949**

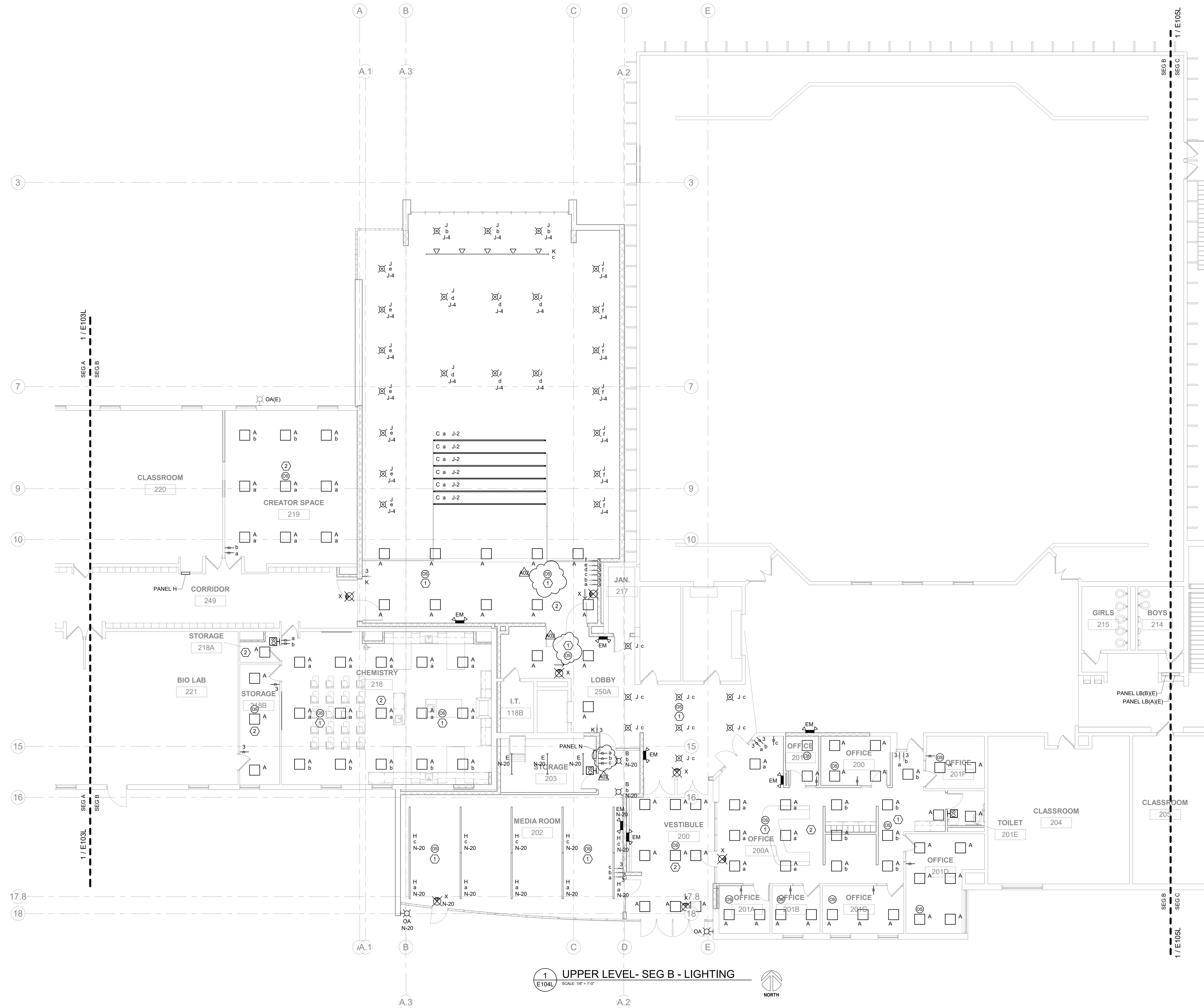
Sheet Title: **LOWER LEVEL - SEG C - POWER/SYSTEMS**



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.7228 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member of the Wisconsin Board of Engineers.
Robert C. Stone
Date: July 5, 2019 License No. 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.



1 UPPER LEVEL - SEG B - LIGHTING
E104L SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE INSTALLATIONS.
- OCCUPANCY SENSOR LOCATIONS ARE SHOWN DIAGRAMMATIC ONLY. ACTUAL LOCATIONS TO BE DETERMINED IN FIELD PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE A MINIMUM 4'-0" OF FLEX CONDUIT/WIRING SO SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FINAL TESTING. FACTORY TRAINED PERSONNEL SHALL PERFORM THE FINAL TIME AND SENSITIVITY SETTINGS, COVERAGE AND/OR AIMING ADJUSTMENTS, AND TESTING. CEILING SENSOR RELAYS TO BE CONNECTED IN SERIES WITH ALL OTHER LIGHTING CONTROLS IN EACH ROOM. DAYLIGHT SENSORS SHALL BE CONNECTED TO ALL FIXTURES WITHIN CODE DEFINED DAYLIGHTING ZONES. LIGHT LEVEL CHANGES SHALL BE GRADUAL (NOT STEPPED).

KEYED NOTES:

- WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE AREA.
- CONNECT NEW LIGHTING TO EXISTING CIRCUITS. REVISE SWITCHING AS REQUIRED.

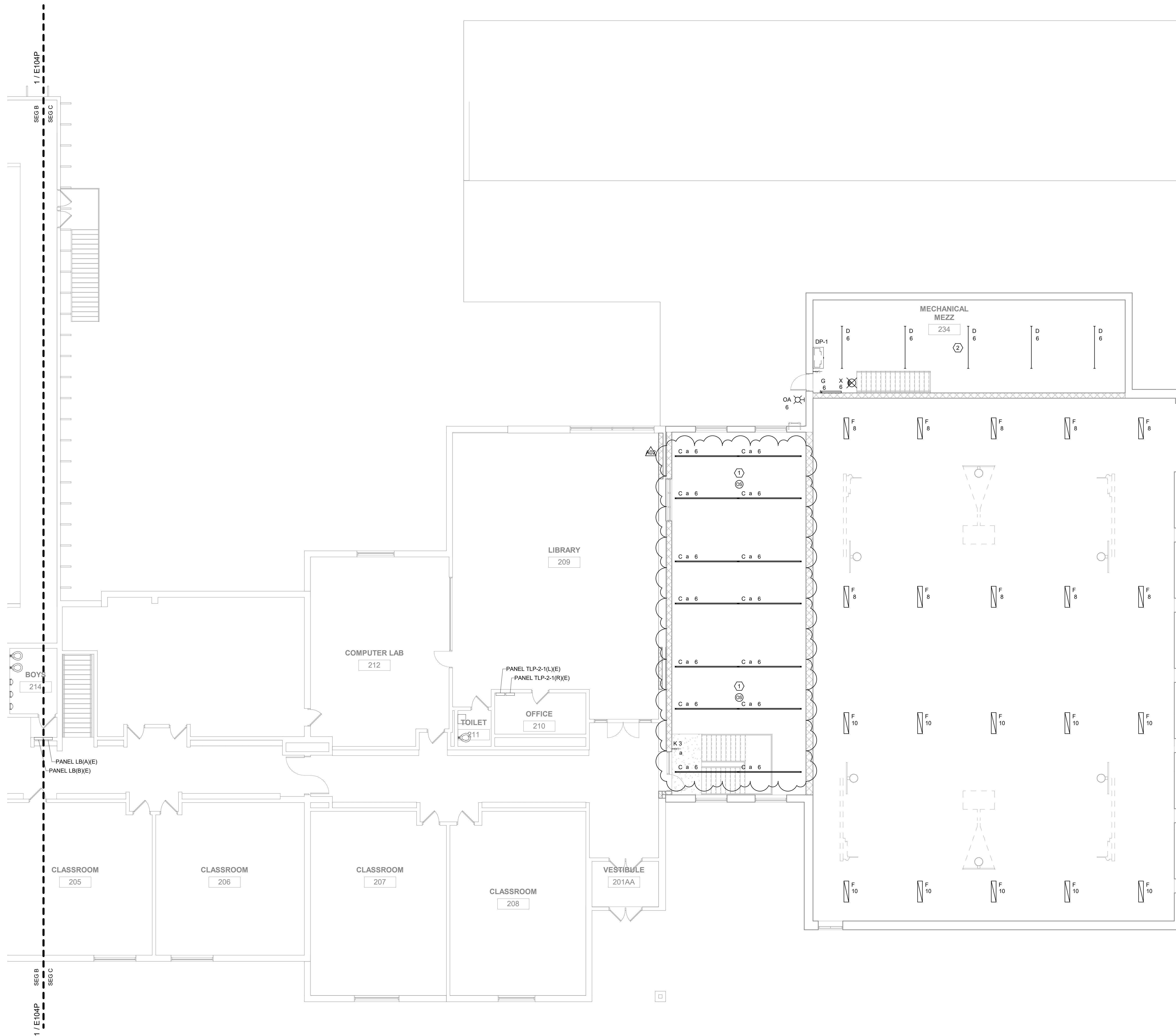
Project Title: **LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID**
Project Location: **204 KIRKWOOD ST EAST
LANESBORO, MN 55949**
Project Number: **18063**
Project Date: **9-26-19**
Drawn By: **JDR**
Key Plan:

Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale: 0' 2' 4' 8' 12'
Last Update: **10/9/2019 11:32:50 AM**

E104L



1 UPPER LEVEL- SEG C - LIGHTING
 SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE INSTALLATIONS.
- OCCUPANCY SENSOR LOCATIONS ARE SHOWN DIAGRAMMATIC ONLY. ACTUAL LOCATIONS TO BE DETERMINED IN FIELD PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE A MINIMUM 4'-0" OF FLEX CONDUIT/WIRING SO SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FINAL TESTING. FACTORY TRAINED PERSONNEL SHALL PERFORM THE FINAL TIME AND SENSITIVITY SETTINGS, COVERAGE AND/OR AIMING ADJUSTMENTS, AND TESTING. CEILING SENSOR RELAYS TO BE CONNECTED IN SERIES WITH OTHER LIGHTING CONTROLS IN EACH ROOM. DAYLIGHT SENSORS SHALL BE CONNECTED TO ALL FIXTURES WITHIN CODE DEFINED DAYLIGHTING ZONES. LIGHT LEVEL CHANGES SHALL BE GRADUAL (NOT STEPPED).
- ALL NEW LIGHTING CIRCUITS SHOWN ARE FED FROM NEW PANEL 'L' UNLESS NOTED OTHERWISE.

KEYED NOTES:

- WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE AREA.
- LIGHT FIXTURE LAYOUT IN MECHANICAL MEZZANINE TO BE DETERMINED IN THE FIELD ONCE ALL EQUIPMENT IS INSTALLED.



HSR ASSOCIATES INC.
 100 MILWAUKEE STREET
 LA CROSSE, WISCONSIN
 PHONE: 608.784.1830
 FAX: 608.782.5844
 www.hsrasociates.com

Consultant:

JDR
 ENGINEERING, INC.
 5525 NOBEL DRIVE
 SUITE 110
 MADISON, WI 53711
 P/E: 608.277.1728 FAX: 608.271.7016
 JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member of the State of Wisconsin.
 Robert C. Stone
 Date: July 5, 2019 Lic. No. 42791
 This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID

204 KIRKWOOD ST EAST
 LANESBORO, MN 55949

UPPER LEVEL - SEG C - LIGHTING

HSR Project Number:

18063

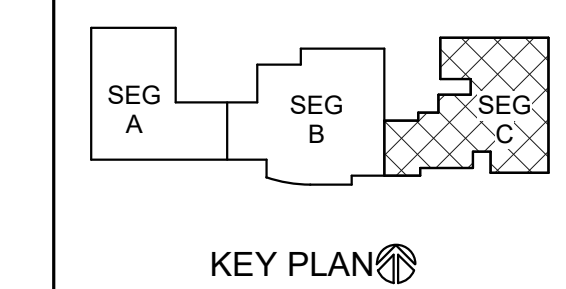
Project Date:

9-26-19

Drawn By:

JDR

Key Plan:



KEY PLAN

Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

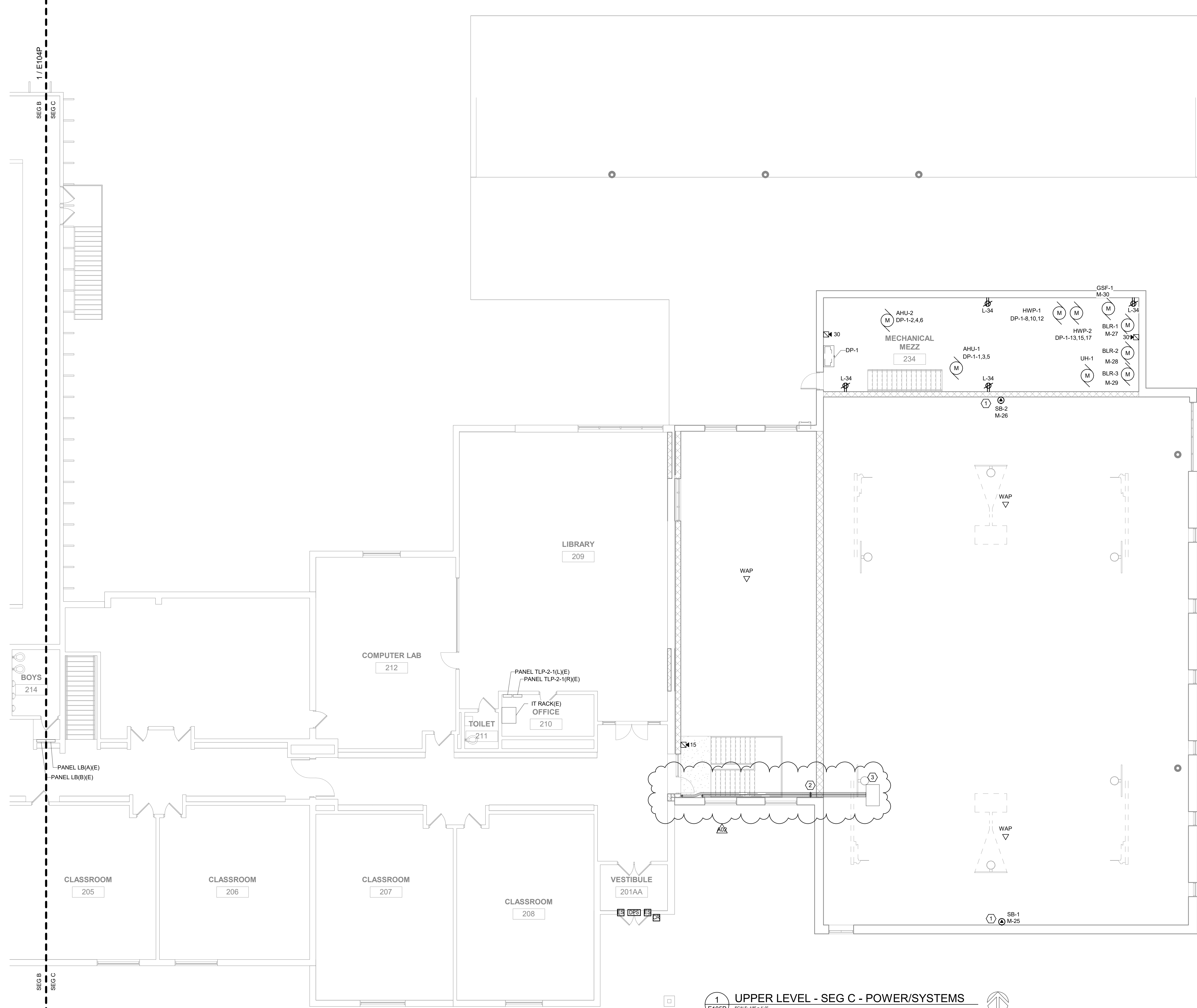
Graphic Scale:

VARIES

Last Update:

10/9/2019 11:32:52 AM

E105L



1 UPPER LEVEL - SEG C - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- ALL POWER DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING POWER DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW CIRCUIT BREAKERS IN ORIGINATING PANELS, OR REMAIN ON CIRCUITS WHERE EXISTING PANELS REMAIN AS-IS. EXISTING CIRCUITS ORIGINATING FROM PANELS BEING REMOVED SHALL BE EXTENDED TO PANELS SERVING THE DESIGNATED AREA. SEE PANEL SCHEDULES ON E800 SERIES DRAWINGS. WHERE PRACTICAL, CONNECT EXISTING CIRCUITS AS INDICATED ON THESE SCHEDULES.
- USE OF MULTIWIRE BRANCH CIRCUITS SERVING NEW BRANCH CIRCUITS IS NOT PERMITTED. WHERE EXISTING MULTIWIRE BRANCH CIRCUITS ARE BEING REUSED, LOCATED THE CIRCUITS ON ADJACENT BREAKERS AND PROVIDE IDENTIFIED HANDLE TIES AND GROUP CONDUCTORS WITHIN PANEL PER NEC 210.4 REQUIREMENTS.
- ALL FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING FIRE ALARM DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW FIRE ALARM CONTROL PANEL OR ASSOCIATED NAC EXTENDER PANELS AT THEIR NEW LOCATION.
- FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING INDICATES GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR'S FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR QUANTITIES, LAYOUT, DESIGN AND CALCULATIONS OF THEIR SPECIFIC EQUIPMENT TO PROVIDE A COMPLETE FUNCTIONAL CODE COMPLYING SYSTEM APPROVED BY THE LOCAL AHJ.
- A NEW SIMPLEX FIRE ALARM SYSTEM IS BEING PROVIDED IN THE BUILDING BY THE OWNER/SIMPLEX. ANY/ALL EXISTING FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. PROVIDE NEW FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS FED FROM THE NEW SIMPLEX SYSTEM. REFER TO KEYED NOTE #2 ON SHEET E000 FOR FURTHER INFORMATION. FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS PLAN INDICATE GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR EXACT QUANTITIES, LAYOUT, DESIGN, AND CALCULATIONS BASED ON SPECIFIC EQUIPMENT TO BE PROVIDED. IN ORDER TO PROVIDE A COMPLETE AND FUNCTIONAL CODE COMPLIANT SYSTEM APPROVED BY THE LOCAL AHJ, ANY/ALL REQUIRED SUBMITTALS/REVIEWS TO LOCAL AUTHORITIES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE ADDITIONS/RENOVATED AREAS AS SHOWN ON THIS PLAN AND AS REQUIRED. THIS INCLUDES, BUT IS NOT LIMITED TO AV SYSTEMS, TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV. COORDINATE ALL LOW VOLTAGE SYSTEMS LOCATIONS AND REQUIREMENTS WITH OWNER TO CONFIRM COMPLETE SCOPE OF WORK. IN ADDITION, PROVIDE AC POWER CONNECTIONS TO LOW VOLTAGE SYSTEMS EQUIPMENT AS REQUIRED.

KEYED NOTES:

- ELECTRICAL CONTRACTOR TO COORDINATE SCORE BOARD REQUIREMENTS AND LOCATION WITH OWNER.
- ROUTE CONDUITS WALL AND PENETRATE INTO GYM JOIST SPACE JUST BELOW DECK.
- PENETRATE CONDUITS THROUGH DECK 8 FEET FROM PARAPET. COORDINATE EXACT LOCATION WITH OWNERS SOLAR INSTALLER.



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.7228 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member of the Wisconsin State Board of Engineers.
Robert C. Stone
Date: July 5, 2019 License No. 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

Sheet Title: UPPER LEVEL - SEG C - POWER/SYSTEMS

HSR Project Number:

18063

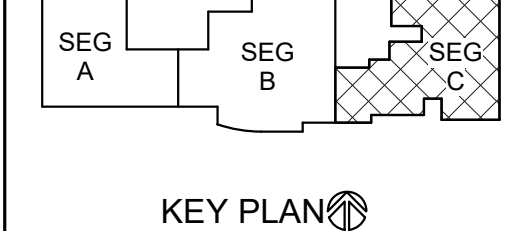
Project Date:

9-26-19

Drawn By:

JDR

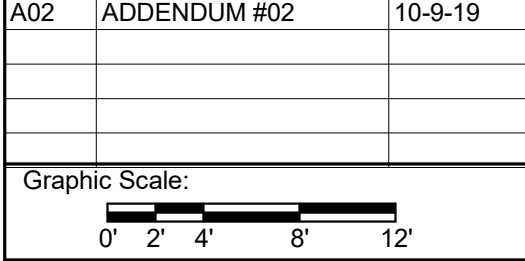
Key Plan:



Revisions:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

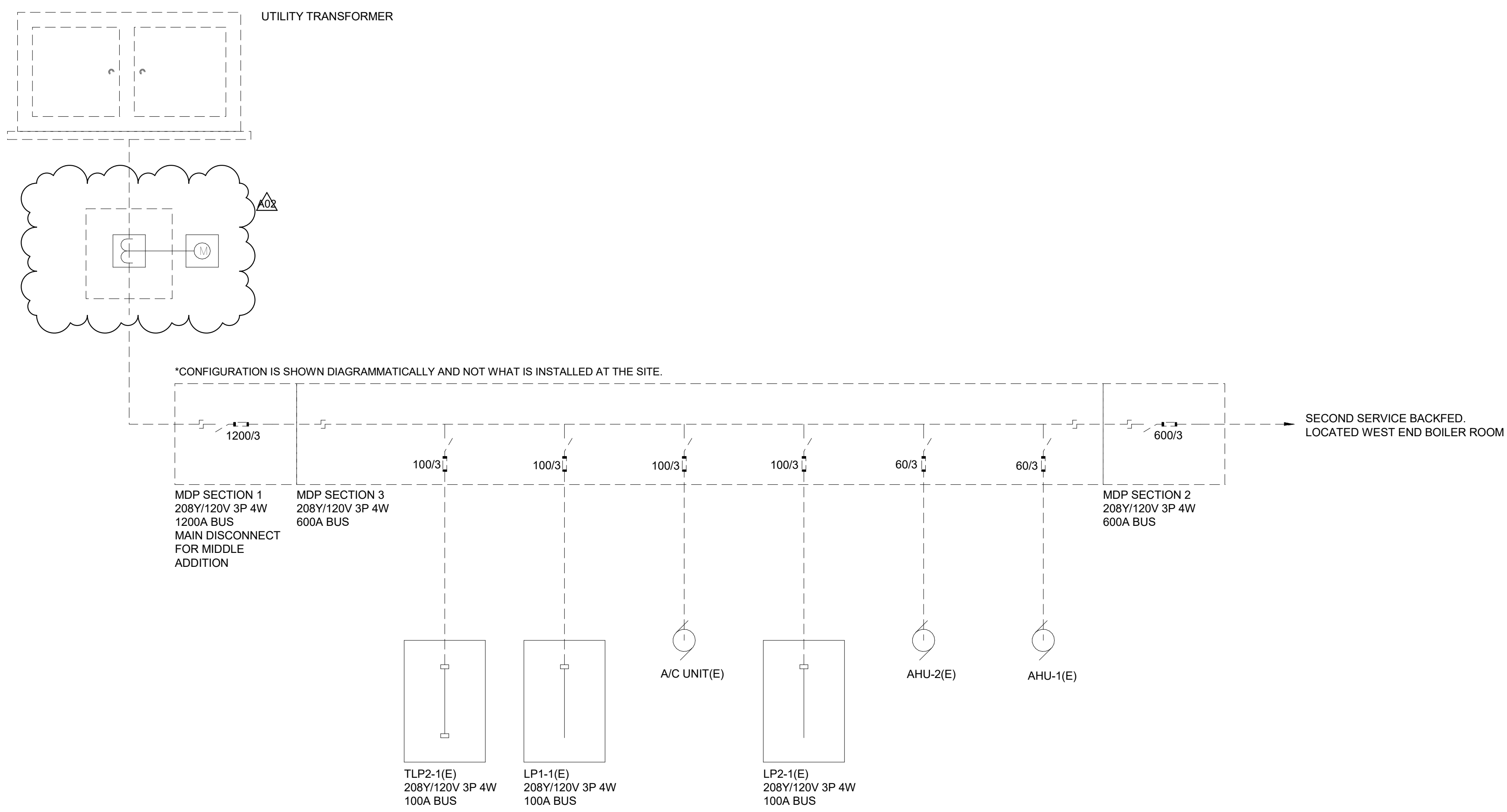
Graphic Scale:



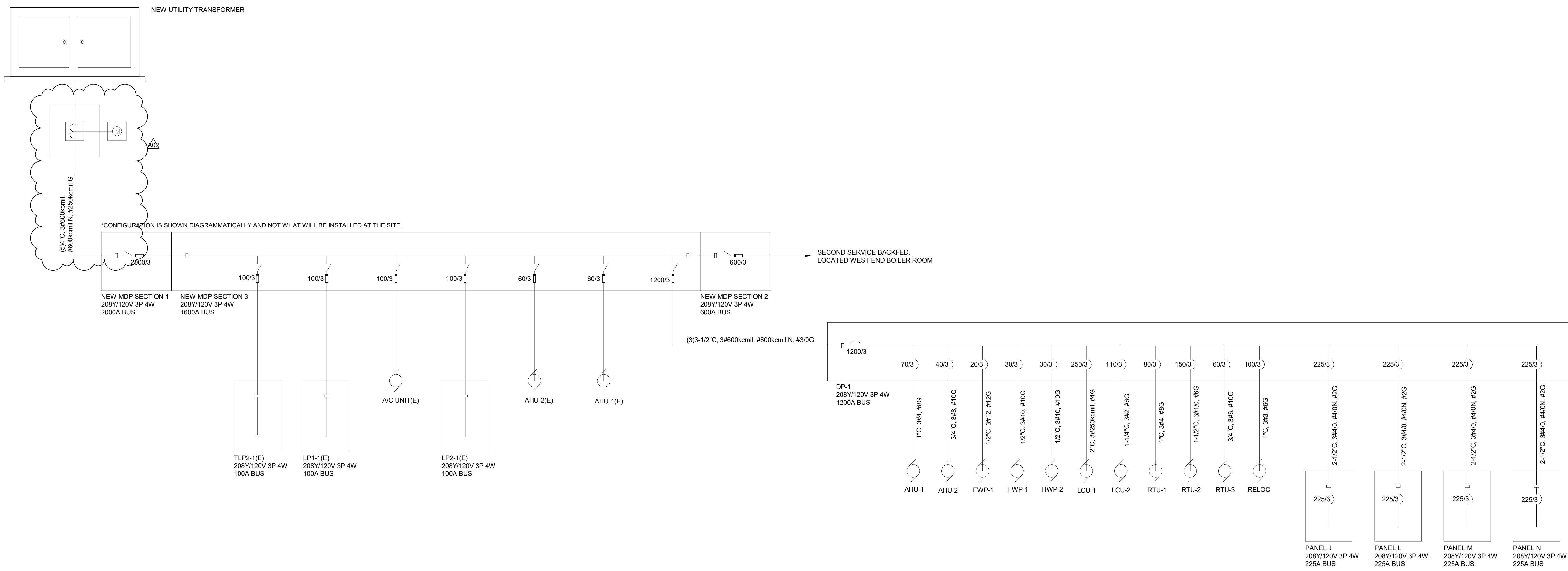
Last Update:

10/9/2019 11:32:52 AM

E105P



1 DEMOLITION/EXISTING ONE LINE DIAGRAM - ELECTRICAL
E600 SCALE: NTS



2 NEW/EXISTING ONE LINE DIAGRAM - ELECTRICAL
E600 SCALE: NTS



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member in good standing of the State of Wisconsin.
Robert C. Stone
Date: July 5, 2019 License No.: 42791
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Engineer.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL - REBID
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: ONE LINE DIAGRAM - ELECTRICAL

HSR Project Number: 18063

Project Date: 9-26-19

Drawn By: JDR

Key Plan:

No.	Description	Date
A02	ADDENDUM #02	10-9-19

Graphic Scale:

Last Update: 10/9/2019 11:32:53 AM

E600

HVAC & PLUMBING EQUIPMENT SCHEDULE										
CALLOUT	DESCRIPTION	VOLTS	AMPS	KVA	HP	CIRCUIT	NOTES			
AHU-1	AIR HANDLING UNIT	208V 3P 3W	48.5 A	17.47 kVA	(2) 7.5 HP	DP-1-1,3,5	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
AHU-2	AIR HANDLING UNIT	208V 3P 3W	25.4 A	9.15 kVA	7.5 HP	DP-1-2,4,6	CONNECT FEEDER WIRING THROUGH VFD PROVIDED WITH UNIT. COORDINATE EXACT LOCATION WITH HC.			
BLR-1	BOILER	120V 1P 2W	12 A	1.44 kVA		M-27	CONNECT FEEDER WIRING THROUGH MOTOR RATED DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
BLR-2	BOILER	120V 1P 2W	12 A	1.44 kVA		M-28	CONNECT FEEDER WIRING THROUGH MOTOR RATED DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
BLR-3	BOILER	120V 1P 2W	12 A	1.44 kVA		M-29	CONNECT FEEDER WIRING THROUGH MOTOR RATED DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
CE-1	CEILING EXHAUST FAN	120V 1P 2W	0.83 A	0.1 kVA			EXTEND EXISTING RECEPTACLE CIRCUIT TO NEW CEILING EXHAUST FAN. CONNECT FEEDER WIRING THROUGH INTEGRAL DISCONNECT. COORDINATE EXACT LOCATION WITH HC.			
CE-2	CEILING EXHAUST FAN	120V 1P 2W	0.83 A	0.1 kVA		K-52	CONNECT FEEDER WIRING THROUGH INTEGRAL DISCONNECT. COORDINATE EXACT LOCATION WITH HC.			
CUH-1	CABINET UNIT HEATER	120V 1P 2W	3.9 A	0.47 kVA		M-22	CONNECT FEEDER WIRING THROUGH MOTOR RATED DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
CUH-2	CABINET UNIT HEATER	120V 1P 2W	3.9 A	0.47 kVA		M-24	CONNECT FEEDER WIRING THROUGH MOTOR RATED DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
CUH-3	CABINET UNIT HEATER	120V 1P 2W	2.8 A	0.34 kVA		N-15	CONNECT FEEDER WIRING THROUGH MOTOR RATED DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
CUV-1	CLASSROOM UNIT VENTILATOR	120V 1P 2W	3.64 A	0.44 kVA		G-31	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
EBB-1a	ELECTRIC BASE BOARD	208V 2P 2W	5.4 A	1.12 kVA		M-1-3	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
EBB-1b	ELECTRIC BASE BOARD	208V 2P 2W	5.4 A	1.12 kVA		M-5,7	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
EBB-1c	ELECTRIC BASE BOARD	208V 2P 2W	3.6 A	0.75 kVA		M-8,11	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
EBB-2a	ELECTRIC BASE BOARD	208V 2P 2W	5.4 A	1.12 kVA		M-13,15	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
EBB-2b	ELECTRIC BASE BOARD	208V 2P 2W	5.4 A	1.12 kVA		M-17,19	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
EBB-3a	ELECTRIC BASE BOARD	208V 2P 2W	5.4 A	1.12 kVA		M-21,23	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
EBB-3b	ELECTRIC BASE BOARD	208V 2P 2W	5.4 A	1.12 kVA		M-2,4	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
EBB-3c	ELECTRIC BASE BOARD	208V 2P 2W	3.6 A	0.75 kVA		M-6,8	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
EBB-4a	ELECTRIC BASE BOARD	208V 2P 2W	5.4 A	1.12 kVA		M-10,12	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
EBB-4b	ELECTRIC BASE BOARD	208V 2P 2W	3.6 A	0.75 kVA		M-14,16	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
EBB-5	ELECTRIC BASE BOARD	208V 2P 2W	1.8 A	0.37 kVA		M-18,20	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC. HC TO PROVIDE BASE BOARD.			
ERP-1	ENERGY WHEEL PRECONDITIONER	208V 3P 3W	11.7 A	4.22 kVA		DP-1-7,9,11	CONNECT FEEDER WIRING THROUGH NON FUSED DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
GSF-1	GLYCOL SYSTEM FEEDER PUMPS	120V 1P 2W	0.83 A	0.1 kVA		M-30	CONNECT FEEDER WIRING THROUGH MOTOR RATED DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
HWP-1	HVAC PUMPS	208V 3P 3W	17.5 A	6.3 kVA	5 HP	DP-1-8,10,12	CONNECT FEEDER WIRING THROUGH VFD PROVIDED BY HC. ELECTRICAL CONTRACTOR TO MOUNT VFD. COORDINATE EXACT LOCATION WITH HC.			
HWP-2	HVAC PUMPS	208V 3P 3W	17.5 A	6.3 kVA	5 HP	DP-1-13,15,17	CONNECT FEEDER WIRING THROUGH VFD PROVIDED BY HC. ELECTRICAL CONTRACTOR TO MOUNT VFD. COORDINATE EXACT LOCATION WITH HC.			
KEF-1	KITCHEN EXHAUST FAN	208V 3P 3W	6.9 A	2.49 kVA		N-2,4,6	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
KEF-2	KITCHEN EXHAUST FAN	208V 3P 3W	6.9 A	2.49 kVA		N-8,10,12	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
KEF-3	KITCHEN EXHAUST FAN	208V 3P 3W	6.9 A	2.49 kVA		N-14,16,18	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
LCU-1	LARGE AIR COOLED CONDENSING UNIT	208V 3P 3W	193 A	69.53 kVA		DP-1-14,16,18	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
LCU-2	LARGE AIR COOLED CONDENSING UNIT	208V 3P 3W	87 A	31.34 kVA		DP-1-19,21,23	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
MAU-1	MAKE UP AIR UNIT	208V 3P 3W	15.2 A	5.48 kVA		DP-1-20,22,24	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
PRV-1	POWERED ROOF VENTILATOR	120V 1P 2W	0.83 A	0.1 kVA		N-17	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
PRV-2	POWERED ROOF VENTILATOR	120V 1P 2W	0.83 A	0.1 kVA		N-17	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
PRV-3	POWERED ROOF VENTILATOR	120V 1P 2W	5.8 A	0.7 kVA	1/4 HP	N-19	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
RELOC	ROOF TOP UNIT	208V 3P 3W	71.8 A	25.87 kVA		DP-1-32,34,36	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
RTU-1	ROOF TOP UNIT	208V 3P 3W	64 A	23.06 kVA		DP-1-25,27,29	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
RTU-2	ROOF TOP UNIT	208V 3P 3W	95.1 A	34.26 kVA		DP-1-26,28,30	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
RTU-3	ROOF TOP UNIT	208V 3P 3W	48 A	17.29 kVA		DP-1-31,33,35	CONNECT FEEDER WIRING THROUGH NEMA 3R NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT LOCATION WITH HC.			
SE-1	SANITARY EJECTOR PUMP	120V 1P 2W	9.8 A	1.18 kVA		LP-1-1,31	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH HC.			
UH-1	UNIT HEATER	120V 1P 2W	0.83 A	0.1 kVA	1/12 HP	M-30	CONNECT FEEDER WIRING THROUGH DISCONNECT PROVIDED AT UNIT. COORDINATE EXACT LOCATION WITH HC.			

GENERAL EQUIPMENT SCHEDULE										
CALLOUT	DESCRIPTION	VOLTS	AMPS	CIRCUIT	NOTES					
CR-1	CORD REEL	120V 1P 2W	2 A	H-32	PROVIDE A HUBBELL #HBL45123GF20 OR EQUAL CORD REEL. COORDINATE EXACT LOCATION WITH OWNER.					
CR-2	CORD REEL	120V 1P 2W	2 A	H-34	PROVIDE A HUBBELL #HBL45123GF20 OR EQUAL CORD REEL. COORDINATE EXACT LOCATION WITH OWNER.					
CR-3	CORD REEL	120V 1P 2W	2 A	H-32	PROVIDE A HUBBELL #HBL45123GF20 OR EQUAL CORD REEL. COORDINATE EXACT LOCATION WITH OWNER.					
CR-4	CORD REEL	120V 1P 2W	2 A	H-34	PROVIDE A HUBBELL #HBL45123GF20 OR EQUAL CORD REEL. COORDINATE EXACT LOCATION WITH OWNER.					
CR-5	CORD REEL	120V 1P 2W	2 A	H-32	PROVIDE A HUBBELL #HBL45123GF20 OR EQUAL CORD REEL. COORDINATE EXACT LOCATION WITH OWNER.					
CR-6	CORD REEL	120V 1P 2W	2 A	H-34	PROVIDE A HUBBELL #HBL45123GF20 OR EQUAL CORD REEL. COORDINATE EXACT LOCATION WITH OWNER.					
FH-1	FUME HOOD	120V 1P 2W	10 A	H-36	PROVIDE CONNECTION TO FUME HOOD. COORDINATE FUME HOOD INTEGRAL LIGHTING AND POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
MS-1	MOTORIZED SHADE	120V 1P 2W	10 A	J-6	PROVIDE CONNECTION TO MOTORIZED SHADE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
MS-2	MOTORIZED SHADE	120V 1P 2W	10 A	J-6	PROVIDE CONNECTION TO MOTORIZED SHADE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
OHD-1	OVERHEAD DOOR	208V 3P 3W	7 A	C(E)-26,28,30	PROVIDE CONNECTION TO OVERHEAD DOOR. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
SB-1	SCORE BOARD	120V 1P 2W	10 A	M-25	PROVIDE CONNECTION TO SCORE BOARD. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
SB-2	SCORE BOARD	120V 1P 2W	10 A	M-26	PROVIDE CONNECTION TO SCORE BOARD. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					

KITCHEN EQUIPMENT SCHEDULE										
CALLOUT	DESCRIPTION	VOLTS	AMPS	CIRCUIT	NOTES					
K3	DISPOSAL	208V 3P 3W	6.6 A	K-29,31,33	PROVIDE CONNECTION TO DISPOSAL. SOLENOID AND CONTROL PANEL. MOUNT JUNCTION BOX 16" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K4	DISH WASHER	208V 3P 3W	80 A	K-30,32,34	PROVIDE CONNECTION TO DISHWASHER. MOUNT JUNCTION BOX 66" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K16	REACH IN REFRIGERATOR	120V 1P 2W	8 A	K-36	PROVIDE CONNECTION TO REACH-IN REFRIGERATOR. MOUNT 5-15R DUPLEX OUTLET AT 88" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K17	WORK TABLE	120V 1P 2W	16 A	K-40	PROVIDE CONNECTION TO WORK TABLE. MOUNT JUNCTION BOX AT 3" AFF AND CONNECT TO TWO OUTLETS MOUNTED AT WORK TABLE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K20	MIXER	120V 1P 2W	9 A	K-44	PROVIDE CONNECTION TO MIXER. MOUNT 5-15R DUPLEX OUTLET AT 18" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K26A	WALK-IN COOLER DOOR PANEL/LIGHTS	120V 1P 2W	1.6 A	K-19	PROVIDE CONNECTION TO WALK-IN COOLER DOOR PANEL/LIGHTS. MOUNT JUNCTION BOX FOR DOOR PANEL AND LIGHTS FROM ABOVE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K26B	WALK-IN COOLER EVAPORATOR	120V 1P 2W	1.6 A	K-19	PROVIDE CONNECTION TO WALK-IN COOLER EVAPORATOR. MOUNT JUNCTION BOX FOR EVAPORATOR COIL FROM ABOVE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K26C	WALK-IN COOLER CONDENSING UNIT	208V 3P 3W	5.9 A	K-21,23,25	PROVIDE CONNECTION TO WALK-IN COOLER CONDENSING UNIT. PROVIDE NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K26D	WALK-IN COOLER WEATHER PROOF ENCLOSURE	120V 1P 2W	16 A	K-27	PROVIDE CONNECTION TO WALK-IN COOLER WEATHER PROOF ENCLOSURE. MOUNT DEDICATED ISOLATED JUNCTION BOX FROM ABOVE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K27A	WALK-IN FREEZER DOOR PANEL/LIGHTS	120V 1P 2W	1.6 A	K-18	PROVIDE CONNECTION TO WALK-IN FREEZER DOOR PANEL/LIGHTS. MOUNT JUNCTION BOX FOR DOOR PANEL AND LIGHTS FROM ABOVE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K27B	WALK-IN FREEZER EVAPORATOR	208V 2P 2W	9.8 A	K-20,22	PROVIDE CONNECTION TO WALK-IN FREEZER EVAPORATOR. MOUNT JUNCTION BOX FOR EVAPORATOR COIL FROM ABOVE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K27C	WALK-IN FREEZER CONDENSING UNIT	208V 2P 2W	12.3 A	K-24,26	PROVIDE CONNECTION TO WALK-IN FREEZER CONDENSING UNIT. PROVIDE NON FUSED DISCONNECT AT UNIT. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K27D	WALK-IN FREEZER WEATHER PROOF ENCLOSURE	120V 1P 2W	16 A	K-28	PROVIDE CONNECTION TO WALK-IN FREEZER WEATHER PROOF ENCLOSURE. MOUNT DEDICATED ISOLATED JUNCTION BOX FROM ABOVE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K30	CONVECTION OVEN	208V 2P 2W	46 A	K-5,7	PROVIDE CONNECTION TO CONVECTION OVEN. MOUNT SIMPLEX OUTLET AT 18" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER. EQUIPMENT LOCATED UNDER TYPE I KITCHEN HOOD SHALL BE FED BY A SHUNT TRIP BREAKER. INTERWIRE TO FIRE SUPPRESSION SYSTEM.					
K32	STEAMERKETTLE	120V 1P 2W	6 A	K-15	PROVIDE CONNECTION TO STEAMERKETTLE. MOUNT 5-15R DUPLEX OUTLET AT 18" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER. EQUIPMENT LOCATED UNDER TYPE I KITCHEN HOOD SHALL BE FED BY A SHUNT TRIP BREAKER. INTERWIRE TO FIRE SUPPRESSION SYSTEM.					
K34	COMBINATION OVEN	120V 1P 2W	6 A	K-14	PROVIDE CONNECTION TO COMBINATION OVEN. MOUNT 5-15R DUPLEX OUTLET AT 18" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER. EQUIPMENT LOCATED UNDER TYPE I KITCHEN HOOD SHALL BE FED BY A SHUNT TRIP BREAKER. INTERWIRE TO FIRE SUPPRESSION SYSTEM.					
K35	EXHAUST HOOD	120V 1P 2W	2 A	K-42	PROVIDE CONNECTION TO EXHAUST HOOD CONNECTION POINT. MOUNT JUNCTION BOX FROM ABOVE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER. EQUIPMENT LOCATED UNDER TYPE I KITCHEN HOOD SHALL BE FED BY A SHUNT TRIP BREAKER. INTERWIRE TO FIRE SUPPRESSION SYSTEM.					
K36	EXHAUST HOOD	120V 1P 2W	2 A	K-42	PROVIDE CONNECTION TO EXHAUST HOOD CONNECTION POINT. MOUNT JUNCTION BOX FROM ABOVE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K37	FIRE SUPPRESSION PULL CORD	120V 1P 2W	16 A	K-38	PROVIDE CONNECTION TO SHUNT TRIP CONTACTORS. MOUNT RECESSED OCTAGON JUNCTION BOX AT 64" AFF WITH EMPTY CONDUIT EXTENDING ABOVE FINISHED CEILING FOR MANUAL PULL CORD. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K40A	HOT FOOD WELLS	208V 2P 2W	14.4 A	K-35,37	PROVIDE CONNECTION TO SERVING COUNTER RECEPTACLES. MOUNT JUNCTION BOX AT 16" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K40B	COLD FOOD WELLS	120V 1P 2W	16 A	K-39	PROVIDE CONNECTION TO SERVING COUNTER RECEPTACLES. MOUNT JUNCTION BOX AT 16" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K41	MILK COOLER	120V 1P 2W	5.3 A	K-41	PROVIDE CONNECTION TO MILK COOLER. MOUNT 5-15R DUPLEX OUTLET AT 18" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					
K45	P.O.S. SYSTEM	120V 1P 2W	16 A	K-43	PROVIDE CONNECTION TO P.O.S. SYSTEM. MOUNT 5-15R DUPLEX OUTLET AT 18" AFF. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.					

Branch Panel: L											
Location: STORAGE 118A			Volts: 208Y/120V 3P 4W			A.I.C. Rating: FIELD VERIFY					
Supply From: DP-1			Phases: 3			Mains Type:					
Mounting: RECESSED			Wires: 4			Mains Rating: 225 A					
Enclosure: Type 1			MCB Rating:								
Notes:											
CKT #	Load Name	CKT BRK	A	B	C	A	B	C	CKT BRK	Load Name	CKT #
1	RM 110 RECEPTACLE	20 A/1	0.9			1.632			20 A/1	RMS 108, 109, 110, 111, 112 LIGHTING	2
3	RM 110 RECEPTACLE	20 A/1		0.72			1.624		20 A/1	RMS 101-107, 115-116, 140 LIGHTING	4
5	RM 112 RECEPTACLE	20 A/1			1.08			1.661	20 A/1	RMS 116, 117, 234 LIGHTING	6
7	RMS 112, 111 RECEPTACLE	20 A/1	2.08			1.27			20 A/1	RM 118 LIGHTING	8
9	RM 108 RECEPTACLE	20 A/1		1.08			1.27		20 A/1	RM 118 LIGHTING	10
11	RM 108 RECEPTACLE	20 A/1			0.9		0.72		20 A/1	RM 107 RECEPTACLE	12
13	RMS 109, 108 RECEPTACLE	20 A/1	0.54			0.18			20 A/1	RM 107 RECEPTACLE	14
15	RM 108 RECEPTACLE	20 A/1			1.26		1.54		20 A/1	RMS 113, 114, 116 RECEPTACLE	16
17	RM 102 RECEPTACLE	20 A/1				1.08		1.08	20 A/1	RM 117 RECEPTACLE	18
19	RM 103 RECEPTACLE	20 A/1	0.54			1			20 A/1	RM 117 WATER COOLER	20
21	RMS 104, 105 RECEPTACLE	20 A/1	0.72			0.18		0.18	20 A/1	RM 117 VENDING	22
23	DRYER	20 A/3			5			0.18	20 A/1	RM 117 VENDING	24
25	--	--	0		0.72				20 A/1	RM 117 RECEPTACLE	26
27	--	--	0		0		1.08		20 A/1	RM 118 RECEPTACLE	28
29	WASHER	20 A/1		0.18				1.08	20 A/1	RM 118 RECEPTACLE	30
31	RM 106 RECEPTACLE	20 A/1	1.08			1			20 A/1	RM 106 WATER COOLER	32
33	RM 101 RECEPTACLE	20 A/1	0.72			0.72			20 A/1	RM 234 RECEPTACLE	34
35	RM 140 RECEPTACLE	20 A/1		1.26		0	0.72	0.72	20 A/1	ROOF TOP RECEPTACLES	36
37											