

## ADDENDUM

PROJECT:	Teton School District 401 Teton High School	ARCHITECT'S PROJECT NO:	1726
OWNER:	Teton School District 401	ADDENDUM NUMBER:	1
BID DATE:	04.24.19	TIME:	2:00 p.m.
		ADDENDUM DATE:	04.08.19

**IT IS INTENDED THAT BIDS SUBMITTED ARE BASED ON THE INCLUSION OF ALL ADDENDA. PLEASE ATTACH ALL ADDENDA TO THE SPECIFICATIONS AND ACKNOWLEDGE RECEIPT OF SAME IN THE DESIGNATED PLACE ON THE BID FORM.**

### PART ONE - SUBSTITUTIONS:

The following manufacturers are accepted as substitutes. The substitute product used on this Project does not relieve the manufacturer and the installer from the intent, responsibilities, and requirements stipulated by the specifications, and the minimum standards implied by originally specified manufacturer.

Any modifications to the work necessary to properly install, build in or otherwise make substituted items or equipment functional and useable shall be at the Contractor's expense.

### APPROVALS:

None

### PART TWO - SPECIFICATIONS:

1. SECTION 012300 – ALTERNATES
  - a. Revise 3.1, A. as follow: Alternate No. 1: Replace the existing single doors, frames & hardware with new double doors, frames & hardware. The new door callouts are as follows: E8, E9, E10, 101, 101A, 101B, 109, 109A, 119 & 119A.
2. SECTION 042613 – MASONRY VENEER
  - a. Revise 2.2, B., 5. as follows: Size (Actual Dimensions): 3-5/8 inches wide by 3-5/8 inches high by 15-5/8 inches long.
  - b. Revise 2.2, B., 8. as follows: Color and Texture: Match existing.
3. SECTION 066400 - PLASTIC PANELING
  - a. Deleted this section in its entirety.
4. SECTION 092216 – NON-STRUCTURAL METAL FRAMING
  - a. Add this section in its entirety.
5. SECTION 093013 – CERAMIC TILING
  - a. Add this section in its entirety.
6. SECTION 095113 - ACOUSTICAL PANEL CEILINGS
  - a. Revise 2.3, A., 1. as follows: Armstrong World Industries
  - b. Revise 2.3, A., 3. as follows: USG Corporation – Radar – Design Standard
  - c. Revise 2.3, E. as follows: Light Reflectance (LR): Not less than 0.83.
  - d. Revise 2.3, G. as follows: Noise Reduction Coefficient (NRC): Not less than 0.55.
7. SECTION 099113 – EXTERIOR PAINTING
  - a. Deleted Section 1.2, B., 3. in its entirety.
8. SECTION 099123 – INTERIOR PAINTING
  - a. Deleted Section 1.2, B., 3. in its entirety.
9. SECTION 221118 – BACKFLOW PREVENTER VALVE
  - a. Deleted this section in its entirety.

## **PART THREE - DRAWINGS:**

### **ARCHITECTURAL**

1. SHEET A1.2 – ADDITION FLOOR PLAN
  - a. Revised 1/A1.2 High School Addition Floor Plan – see attached A1.2.
2. SHEET A3.3 – EXTERIOR ELEVATIONS
  - a. Revise Keyed Note 042200 as follows: Concrete masonry units – Painted color and finish to match existing and adjacent.
3. SHEET A5.2 – BUILDING SECTIONS
  - a. Revise Keyed Note 042200 as follows: Concrete masonry units – Painted color and finish to match existing and adjacent.
4. SHEET A6.1 – WALL SECTIONS
  - a. Revised 2/A6.1 Wall Section @ Grid D – see attached A6.1.
  - b. Revised 3/A6.1 Wall Section At Grid 7 – see attached A6.1.
4. SHEET A6.3 – WALL SECTIONS
  - a. Revised 1/A6.3 Wall Section Grid V2 – see attached A6.3.
5. SHEET A7.1 – STRIPING PLAN & ENLARGED PLAN
  - a. Revised Toilet Accessories – see attached A7.1.
  - b. Revised Mounting Heights – see attached A7.1.
  - c. Revised 3/A7.1 Enlarged Bathrooms – see attached A7.1.
6. SHEET A8.1 – INTERIOR ELEVATIONS
  - a. Revised 1, 2, 3, 4, 5, 6, 7 & 8/A8.1 – see attached A8.1.
  - b. Revised Toilet Accessories – see attached A8.1.
  - c. Revised Mounting Heights – see attached A8.1.
7. SHEET A11.1 – REFLECTED CEILING PLAN
  - a. Revise Keyed Notes – see attached A11.1.
  - b. Revise 1/A11.1 Overall Reflected Ceiling Plan – see attached A11.1.

### **STRUCTURAL**

1. SHEET S2.0 – STRUCTURAL SCHEDULES
  - a. Revise Foundation Wall Reinforcement Schedule – see attached S2.0.
2. SHEET S2.1 – ADDITION FOUNDATION PLAN
  - a. Revise 1/S2.1 High School Addition Foundation Plan – see attached S2.1.
3. SHEET S3.1 – STRUCTURAL DETAILS
  - a. Revise 1/S3.1 14" Foundation Wall W/ Concrete Slab – see attached S3.1.
  - b. Revise 2/S3.1 20" Foundation Wall W/ Concrete Slab – see attached S3.1.
  - c. Revise 3/S3.1 12" Foundation Wall @ VO-AG Classroom – see attached S3.1.
  - d. Revise 5/S3.1 12" Foundation Wall @ VO-AG Shop – see attached S3.1.
4. SHEET S3.3 – STRUCTURAL DETAILS
  - a. Revise 3/S3.3 Truss Connection @ VO-AG Roof Transition – see attached S3.3.

### **PLUMBING**

1. SHEET P1.1 – ADDITION PLUMBING FLOOR PLAN
  - a. Add one more drinking fountain – see attached P1.1.
2. SHEET P3.1 – PLUMBING SCHEDULE AND DETAILS
  - a. Add one more drinking fountain to fixture schedule – see attached P3.1.

**PART FOUR – ATTACHMENTS:**

SECTION 092216 – NON-STRUCTURAL METAL FRAMING

SECTION 093013 – CERAMIC TILING

SHEET A1.2 – ADDITION FLOOR PLAN

SHEET A6.1 – WALL SECTIONS

SHEET A6.3 – WALL SECTIONS

SHEET A7.1 – STRIPING PLAN & ENLARGED PLAN

SHEET A8.1 – INTERIOR ELEVATIONS

SHEET A11.1 – REFLECTED CEILING PLAN

SHEET S2.0 – STRUCTURAL SCHEDULES

SHEET S2.1 – ADDITION FOUNDATION PLAN

SHEET S3.1 – STRUCTURAL DETAILS

SHEET S3.3 – STRUCTURAL DETAILS

SHEET P1.1 – ADDITION PLUMBING FLOOR PLAN

SHEET P3.1 – PLUMBING SCHEDULE AND DETAILS

**END OF ADDENDUM**

## SECTION 092216 - NON-STRUCTURAL METAL FRAMING

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. Non-load-bearing steel framing systems for interior partitions.
  - 2. Suspension systems for interior ceilings and soffits.

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

### PART 2 - PRODUCTS

#### 2.1 PERFORMANCE REQUIREMENTS

- A. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated on Drawings, according to ASTM E 90 and classified according to ASTM E 413 by an independent testing agency.

#### 2.2 FRAMING SYSTEMS

- A. Framing Members, General: Comply with ASTM C 754 for conditions indicated.
  - 1. Steel Sheet Components: Comply with ASTM C 645 requirements for metal unless otherwise indicated.
  - 2. Protective Coating: ASTM A 653/A 653M, G40 (Z120), hot-dip galvanized unless otherwise indicated.
- B. Studs and Tracks: ASTM C 645.
  - 1. Steel Studs and Tracks:
    - a. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

- 1) CEMCO; California Expanded Metal Products Co.
- 2) MarinoWARE.
- 3) MBA Building Supplies.
- 4) MRI Steel Framing, LLC.
- 5) Phillips Manufacturing Co.
- 6) SCAFCO Steel Stud Company.
- 7) Steel Construction Systems.
- 8) Steel Network, Inc. (The).
- 9) Telling Industries.

- b. Minimum Base-Metal Thickness: 0.0179 inch (0.455 mm).
- c. Depth: 3-5/8 inches (92 mm), 6 inches (152 mm), and 1-5/8 inches (41 mm) As indicated on Drawings.

C. Slip-Type Head Joints: Where indicated, provide one of the following:

1. Clip System: Clips designed for use in head-of-wall deflection conditions that provide a positive attachment of studs to tracks while allowing 2-inch (51-mm) minimum vertical movement.
2. Single Long-Leg Track System: ASTM C 645 top track with 2-inch- (51-mm-) deep flanges in thickness not less than indicated for studs, installed with studs friction fit into top track and with continuous bridging located within 12 inches (305 mm) of the top of studs to provide lateral bracing.
3. Double-Track System: ASTM C 645 top outer tracks, inside track with 2-inch- (51-mm-) deep flanges in thickness not less than indicated for studs and fastened to studs, and outer track sized to friction-fit over inner track.
4. Deflection Track: Steel sheet top track manufactured to prevent cracking of finishes applied to interior partition framing resulting from deflection of structure above; in thickness not less than indicated for studs and in width to accommodate depth of studs.

D. Hat-Shaped, Rigid Furring Channels: ASTM C 645.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
  - a. ClarkDietrich Building Systems.
  - b. Jaimes Industries.
  - c. MarinoWARE.
  - d. MRI Steel Framing, LLC.
  - e. SCAFCO Steel Stud Company.
  - f. Steel Construction Systems.
2. Minimum Base-Metal Thickness: 0.0329 inch (0.836 mm).
3. Depth: 7/8 inch (22.2 mm).

E. Resilient Furring Channels: 1/2-inch- (13-mm-) deep, steel sheet members designed to reduce sound transmission.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
  - a. ClarkDietrich Building Systems.
  - b. MarinoWARE.
  - c. MRI Steel Framing, LLC.
  - d. SCAFCO Steel Stud Company.
  - e. Steel Construction Systems.
2. Configuration: Asymmetrical.

## 2.3 SUSPENSION SYSTEMS

- A. Tie Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.062-inch- (1.59-mm-) diameter wire, or double strand of 0.048-inch- (1.21-mm-) diameter wire.
- B. Wire Hangers: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.16 inch (4.12 mm) in diameter.
- C. Carrying Channels (Main Runners): Cold-rolled, commercial-steel sheet with a base-metal thickness of 0.0538 inch (1.367 mm) and minimum 1/2-inch- (13-mm-) wide flanges.

## 2.4 AUXILIARY MATERIALS

- A. General: Provide auxiliary materials that comply with referenced installation standards.
  1. Fasteners for Steel Framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel members to substrates.
- B. Isolation Strip at Exterior Walls: Provide one of the following:
  1. Asphalt-Saturated Organic Felt: ASTM D 226/D 226M, Type I (No. 15 asphalt felt), nonperforated.
  2. Foam Gasket: Adhesive-backed, closed-cell vinyl foam strips that allow fastener penetration without foam displacement, 1/8 inch (3.2 mm) thick, in width to suit steel stud size.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames, cast-in anchors, and structural framing, for compliance with requirements and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Suspended Assemblies: Coordinate installation of suspension systems with installation of overhead structure to ensure that inserts and other provisions for anchorages to building structure have been installed to receive hangers at spacing required to support the Work and that hangers will develop their full strength.

### 3.3 INSTALLATION, GENERAL

- A. Installation Standard: ASTM C 754.
  - 1. Gypsum Board Assemblies: Also comply with requirements in ASTM C 840 that apply to framing installation.
- B. Install framing and accessories plumb, square, and true to line, with connections securely fastened.
- C. Install supplementary framing, and blocking to support fixtures, equipment services, heavy trim, grab bars, toilet accessories, furnishings, or similar construction.
- D. Install bracing at terminations in assemblies.
- E. Do not bridge building control and expansion joints with non-load-bearing steel framing members. Frame both sides of joints independently.

### 3.4 INSTALLING FRAMED ASSEMBLIES

- A. Install framing system components according to spacings indicated, but not greater than spacings required by referenced installation standards for assembly types.
  - 1. Single-Layer Application: 16 inches (406 mm) o.c. unless otherwise indicated.
- B. Where studs are installed directly against exterior masonry walls or dissimilar metals at exterior walls, install isolation strip between studs and exterior wall.
- C. Install studs so flanges within framing system point in same direction.
- D. Install tracks at floors and overhead supports. Extend framing full height to structural supports or substrates above suspended ceilings except where partitions are indicated to terminate at suspended ceilings. Continue framing around ducts that penetrate partitions above ceiling.
  - 1. Slip-Type Head Joints: Where framing extends to overhead structural supports, install to produce joints at tops of framing systems that prevent axial loading of finished assemblies.
  - 2. Door Openings: Screw vertical studs at jambs to jamb anchor clips on door frames; install track section (for cripple studs) at head and secure to jamb studs.
    - a. Install two studs at each jamb unless otherwise indicated.

- b. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch (13-mm) clearance from jamb stud to allow for installation of control joint in finished assembly.
  - c. Extend jamb studs through suspended ceilings and attach to underside of overhead structure.
- 3. Other Framed Openings: Frame openings other than door openings the same as required for door openings unless otherwise indicated. Install framing below sills of openings to match framing required above door heads.
- 4. Sound-Rated Partitions: Install framing to comply with sound-rated assembly indicated.
- E. Installation Tolerance: Install each framing member so fastening surfaces vary not more than 1/8 inch (3 mm) from the plane formed by faces of adjacent framing.

### 3.5 INSTALLING CEILING SUSPENSION SYSTEMS

- A. Install suspension system components according to spacings indicated, but not greater than spacings required by referenced installation standards for assembly types.
  - 1. Hangers: 48 inches (1219 mm) o.c.
  - 2. Carrying Channels (Main Runners): 48 inches (1219 mm) o.c.
  - 3. Furring Channels (Furring Members): 16 inches (406 mm) o.c.
- B. Isolate suspension systems from building structure where they abut or are penetrated by building structure to prevent transfer of loading imposed by structural movement.
- C. Suspend hangers from building structure as follows:
  - 1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structural or suspension system.
    - a. Splay hangers only where required to miss obstructions and offset resulting horizontal forces by bracing, countersplaying, or other equally effective means.
  - 2. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with locations of hangers required to support standard suspension system members, install supplemental suspension members and hangers in the form of trapezes or equivalent devices.
  - 3. Wire Hangers: Secure by looping and wire tying, either directly to structures or to inserts, eye screws, or other devices and fasteners that are secure and appropriate for substrate, and in a manner that will not cause hangers to deteriorate or otherwise fail.
  - 4. Do not attach hangers to steel roof deck.
  - 5. Do not connect or suspend steel framing from ducts, pipes, or conduit.
- D. Seismic Bracing: Sway-brace suspension systems with hangers used for support.
- E. Installation Tolerances: Install suspension systems that are level to within 1/8 inch in 12 feet (3 mm in 3.6 m) measured lengthwise on each member that will receive finishes and transversely between parallel members that will receive finishes.



END OF SECTION 092216

## SECTION 093013 - CERAMIC TILING

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. Porcelain tile.
  - 2. Tile backing panels.
  - 3. Crack isolation membrane.
- B. Related Requirements:
  - 1. Section 079200 "Joint Sealants" for sealing of expansion, contraction, control, and isolation joints in tile surfaces.

#### 1.3 DEFINITIONS

- A. General: Definitions in the ANSI A108 series of tile installation standards and in ANSI A137.1 apply to Work of this Section unless otherwise specified.
- B. ANSI A108 Series: ANSI A108.01, ANSI A108.02, ANSI A108.1A, ANSI A108.1B, ANSI A108.1C, ANSI A108.4, ANSI A108.5, ANSI A108.6, ANSI A108.8, ANSI A108.9, ANSI A108.10, ANSI A108.11, ANSI A108.12, ANSI A108.13, ANSI A108.14, ANSI A108.15, ANSI A108.16, and ANSI A108.17, which are contained in its "Specifications for Installation of Ceramic Tile."
- C. Module Size: Actual tile size plus joint width indicated.
- D. Face Size: Actual tile size, excluding spacer lugs.

#### 1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Show locations of each type of tile and tile pattern. Show widths, details, and locations of expansion, contraction, control, and isolation joints in tile substrates and finished tile surfaces.
- C. Samples for Initial Selection: For tile, grout, and accessories involving color selection.

D. Samples for Verification:

1. Full-size units of each type and composition of tile and for each color and finish required. For ceramic mosaic tile in color blend patterns, provide full sheets of each color blend.
2. Full-size units of each type of trim and accessory for each color and finish required.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match and are from same production runs as products installed and that are packaged with protective covering for storage and identified with labels describing contents.
1. Tile and Trim Units: Furnish quantity of full-size units equal to 3 percent of amount installed for each type, composition, color, pattern, and size indicated.
  2. Grout: Furnish quantity of grout equal to 3 percent of amount installed for each type, composition, and color indicated.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store packaged materials in original containers with seals unbroken and labels intact until time of use. Comply with requirements in ANSI A137.1 for labeling tile packages.
- B. Store tile and cementitious materials on elevated platforms, under cover, and in a dry location.
- C. Store aggregates where grading and other required characteristics can be maintained and contamination can be avoided.
- D. Store liquid materials in unopened containers and protected from freezing.

1.7 FIELD CONDITIONS

- A. Environmental Limitations: Do not install tile until construction in spaces is complete and ambient temperature and humidity conditions are maintained at the levels indicated in referenced standards and manufacturer's written instructions.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations for Tile: Obtain tile from single source or producer.
1. Obtain tile of each type and color or finish from same production run and of consistent quality in appearance and physical properties for each contiguous area.

- B. Source Limitations for Setting and Grouting Materials: Obtain ingredients of a uniform quality for each mortar, adhesive, and grout component from single manufacturer and each aggregate from single source or producer.
  - 1. Obtain setting and grouting materials, except for unmodified Portland cement and aggregate, from single manufacturer.
- C. Source Limitations for Other Products: Obtain each of the following products specified in this Section from a single manufacturer:
  - 1. Crack isolation membrane.
  - 2. Cementitious backer units.

## 2.2 PRODUCTS, GENERAL

- A. ANSI Ceramic Tile Standard: Provide tile that complies with ANSI A137.1 for types, compositions, and other characteristics indicated.
  - 1. Provide tile complying with Standard grade requirements unless otherwise indicated.
- B. ANSI Standards for Tile Installation Materials: Provide materials complying with ANSI A108.02, ANSI standards referenced in other Part 2 articles, ANSI standards referenced by TCNA installation methods specified in tile installation schedules, and other requirements specified.
- C. Factory Blending: For tile exhibiting color variations within ranges, blend tile in factory and package so tile units taken from one package show same range in colors as those taken from other packages and match approved Samples.
- D. Mounting: For factory-mounted tile, provide back- or edge-mounted tile assemblies as standard with manufacturer unless otherwise indicated.
  - 1. Where tile is indicated for installation in wet areas, do not use back- or edge-mounted tile assemblies unless tile manufacturer specifies in writing that this type of mounting is suitable for installation indicated and has a record of successful in-service performance.

## 2.3 TILE PRODUCTS

- A. Ceramic Tile Type F6: Unglazed porcelain tile.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
    - a. American Marazzi Tile, Inc.
    - b. American Olean; a division of Dal-Tile Corporation.
    - c. Crossville, Inc.
    - d. Daltile.
    - e. Interceramic.
    - f. Seneca Tiles, Inc.

1. Composition: Porcelain.
2. Face Size: 6 by 6 inches – Match existing.
3. Face Size Variation: Calibrated or rectified.
4. Thickness: 3/8 inch.
5. Face: Plain with square or cushion edges.
6. Dynamic Coefficient of Friction: Not less than 0.42.
7. Glaze: Match existing.
8. Tile Color and Pattern: Match existing.
9. Grout Color: Match existing.
10. Trim Units: Coordinated with sizes and coursing of adjoining flat tile where applicable. Provide shapes as follows, selected from manufacturer's standard shapes:
  - a. Base Cove: Cove, (bullnose) module size 4 by 6 inches – Match existing.

## 2.4 TILE BACKING PANELS

- A. Cementitious Backer Units: ANSI A118.9 or ASTM C 1325, Type A, in maximum lengths available to minimize end-to-end butt joints.
  1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
    - a. Custom Building Products.
    - b. Georgia-Pacific Gypsum LLC.
    - c. USG Corporation.
  2. Thickness: 5/8 inch (15.9 mm).

## 2.5 CRACK ISOLATION MEMBRANE

- A. General: Manufacturer's standard product that complies with ANSI A118.12 for standard performance and is recommended by the manufacturer for the application indicated. Include reinforcement and accessories recommended by manufacturer.
- B. Fluid-Applied Membrane: Liquid-latex rubber or elastomeric polymer.
  1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
    - a. LATICRETE SUPERCAP, LLC.

## 2.6 SETTING MATERIALS

- A. Standard Dry-Set Mortar (Thinset): ANSI A118.1.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
  - a. Bostik, Inc.
  - b. LATICRETE SUPERCAP, LLC.
  - c. MAPEI Corporation.
2. For wall applications, provide mortar that complies with requirements for nonsagging mortar in addition to the other requirements in ANSI A118.1.

B. Water-Cleanable, Tile-Setting Epoxy: ANSI A118.3.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
  - a. Bostik, Inc.
  - b. LATICRETE SUPERCAP, LLC.
  - c. MAPEI Corporation.
2. Provide product capable of withstanding continuous and intermittent exposure to temperatures of up to 140 and 212 deg F (60 and 100 deg C), respectively, and certified by manufacturer for intended use.

## 2.7 GROUT MATERIALS

A. Standard Cement Grout: ANSI A118.6.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
  - a. Bostik, Inc.
  - b. LATICRETE SUPERCAP, LLC.
  - c. MAPEI Corporation.

B. Water-Cleanable Epoxy Grout: ANSI A118.3.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
  - a. Bostik, Inc.
  - b. LATICRETE SUPERCAP, LLC.
  - c. MAPEI Corporation.
2. Provide product capable of withstanding continuous and intermittent exposure to temperatures of up to 140 and 212 deg F (60 and 100 deg C), respectively, and certified by manufacturer for intended use.

## 2.8 MISCELLANEOUS MATERIALS

- A. Trowelable Underlayments and Patching Compounds: Latex-modified, portland cement-based formulation provided or approved by manufacturer of tile-setting materials for installations indicated.
- B. Tile Cleaner: A neutral cleaner capable of removing soil and residue without harming tile and grout surfaces, specifically approved for materials and installations indicated by tile and grout manufacturers.
- C. Floor Sealer: Manufacturer's standard product for sealing grout joints and that does not change color or appearance of grout.

## 2.9 MIXING MORTARS AND GROUT

- A. Mix mortars and grouts to comply with referenced standards and mortar and grout manufacturers' written instructions.
- B. Add materials, water, and additives in accurate proportions.
- C. Obtain and use type of mixing equipment, mixer speeds, mixing containers, mixing time, and other procedures to produce mortars and grouts of uniform quality with optimum performance characteristics for installations indicated.

# PART 3 - EXECUTION

## 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions where tile will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
  - 1. Verify that substrates for setting tile are firm; dry; clean; free of coatings that are incompatible with tile-setting materials, including curing compounds and other substances that contain soap, wax, oil, or silicone; and comply with flatness tolerances required by ANSI A108.01 for installations indicated.
  - 2. Verify that concrete substrates for tile floors installed with thinset mortar comply with surface finish requirements in ANSI A108.01 for installations indicated.
    - a. Verify that surfaces that received a steel trowel finish have been mechanically scarified.
    - b. Verify that protrusions, bumps, and ridges have been removed by sanding or grinding.
  - 3. Verify that installation of grounds, anchors, recessed frames, electrical and mechanical units of work, and similar items located in or behind tile has been completed.
  - 4. Verify that joints and cracks in tile substrates are coordinated with tile joint locations; if not coordinated, adjust joint locations in consultation with Architect.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Fill cracks, holes, and depressions in concrete substrates for tile floors installed with thinset mortar with trowelable leveling and patching compound specifically recommended by tile-setting material manufacturer.
- B. Blending: For tile exhibiting color variations, verify that tile has been factory blended and packaged so tile units taken from one package show same range of colors as those taken from other packages and match approved Samples. If not factory blended, either return to manufacturer or blend tiles at Project site before installing.

### 3.3 CERAMIC TILE INSTALLATION

- A. Comply with TCNA's "Handbook for Ceramic, Glass, and Stone Tile Installation" for TCNA installation methods specified in tile installation schedules. Comply with parts of the ANSI A108 series "Specifications for Installation of Ceramic Tile" that are referenced in TCNA installation methods, specified in tile installation schedules, and apply to types of setting and grouting materials used.
  - 1. For the following installations, follow procedures in the ANSI A108 series of tile installation standards for providing 95 percent mortar coverage:
    - a. Tile floors in wet areas.
    - b. Tile floors in laundries.
    - c. Tile floors consisting of rib-backed tiles.
- B. Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.
- C. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.
- D. Provide manufacturer's standard trim shapes where necessary to eliminate exposed tile edges.
- E. Where accent tile differs in thickness from field tile, vary setting-bed thickness so that tiles are flush.
- F. Jointing Pattern: Lay tile in grid pattern unless otherwise indicated. Lay out tile work and center tile fields in both directions in each space or on each wall area. Lay out tile work to minimize the use of pieces that are less than half of a tile. Provide uniform joint widths unless otherwise indicated.
  - 1. For tile mounted in sheets, make joints between tile sheets same width as joints within tile sheets so joints between sheets are not apparent in finished work.



2. Where adjoining tiles on floor, base, walls, or trim are specified or indicated to be same size, align joints.
3. Where tiles are specified or indicated to be whole integer multiples of adjoining tiles on floor, base, walls, or trim, align joints unless otherwise indicated.

G. Joint Widths: Unless otherwise indicated, install tile with the following joint widths:

1. Porcelain Floor Tile: 1/4 inch.

H. Floor Sealer: Apply floor sealer to grout joints in tile floors according to floor-sealer manufacturer's written instructions. As soon as floor sealer has penetrated grout joints, remove excess sealer and sealer from tile faces by wiping with soft cloth.

### 3.4 TILE BACKING PANEL INSTALLATION

- A. Install panels and treat joints according to ANSI A108.11 and manufacturer's written instructions for type of application indicated. Use modified dry-set mortar for bonding material unless otherwise directed in manufacturer's written instructions.

### 3.5 CRACK ISOLATION MEMBRANE INSTALLATION

- A. Install crack isolation membrane to comply with ANSI A108.17 and manufacturer's written instructions to produce membrane of uniform thickness that is bonded securely to substrate.
- B. Allow crack isolation membrane to cure before installing tile or setting materials over it.

### 3.6 ADJUSTING AND CLEANING

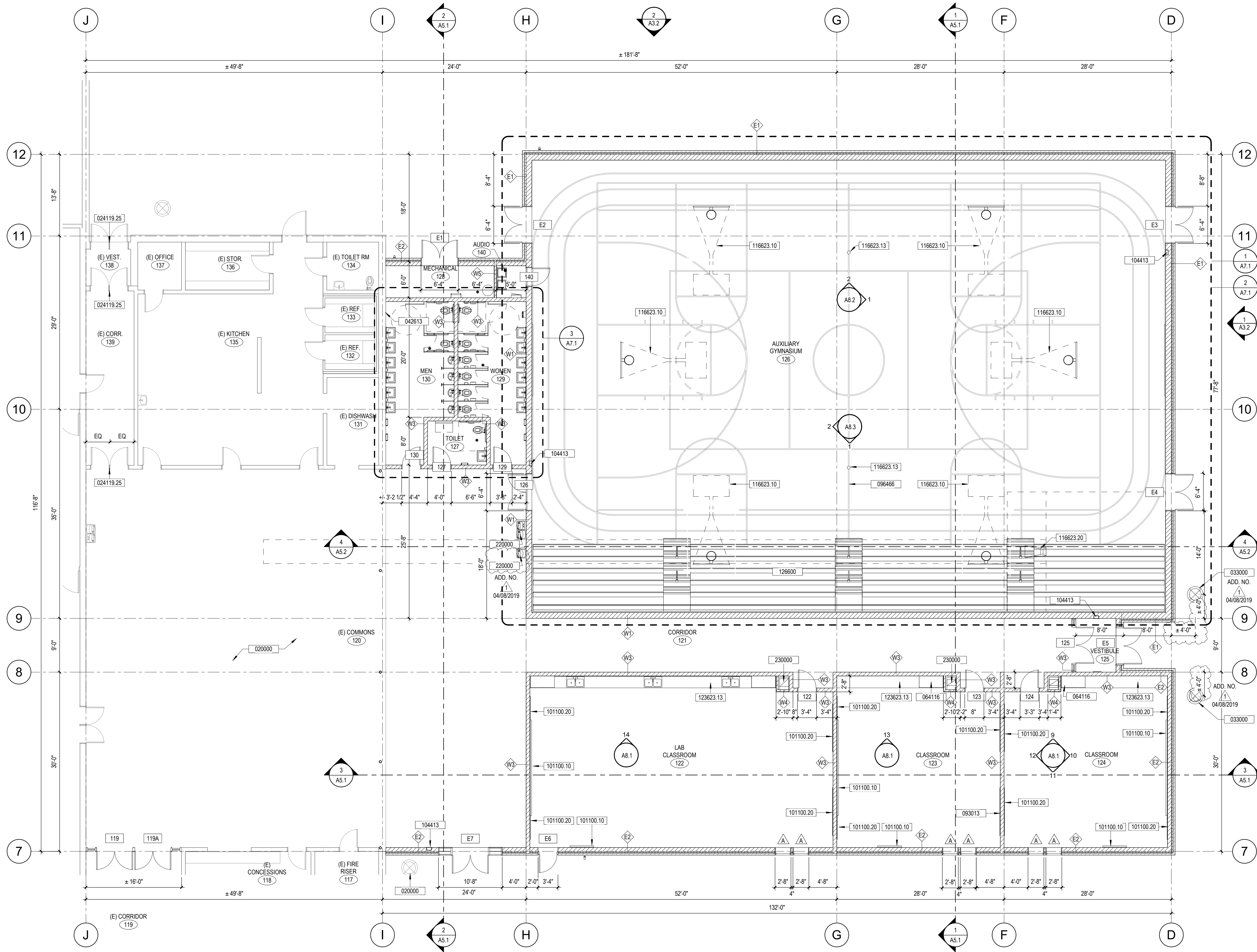
- A. Remove and replace tile that is damaged or that does not match adjoining tile. Provide new matching units, installed as specified and in a manner to eliminate evidence of replacement.
- B. Cleaning: On completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.
  1. Remove grout residue from tile as soon as possible.
  2. Clean grout smears and haze from tile according to tile and grout manufacturer's written instructions but no sooner than 10 days after installation. Use only cleaners recommended by tile and grout manufacturers and only after determining that cleaners are safe to use by testing on samples of tile and other surfaces to be cleaned. Protect metal surfaces and plumbing fixtures from effects of cleaning. Flush surfaces with clean water before and after cleaning.

### 3.7 PROTECTION

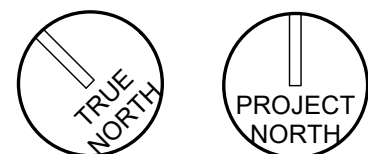
- A. Protect installed tile work with kraft paper or other heavy covering during construction period to prevent staining, damage, and wear. If recommended by tile manufacturer, apply coat of neutral protective cleaner to completed tile walls and floors.

- B. Prohibit foot and wheel traffic from tiled floors for at least seven days after grouting is completed.
- C. Before final inspection, remove protective coverings and rinse neutral protective cleaner from tile surfaces.

END OF SECTION 093013



1 HIGH SCHOOL ADDITION FLOOR PLAN  
A1.2 1/8" = 1'-0"



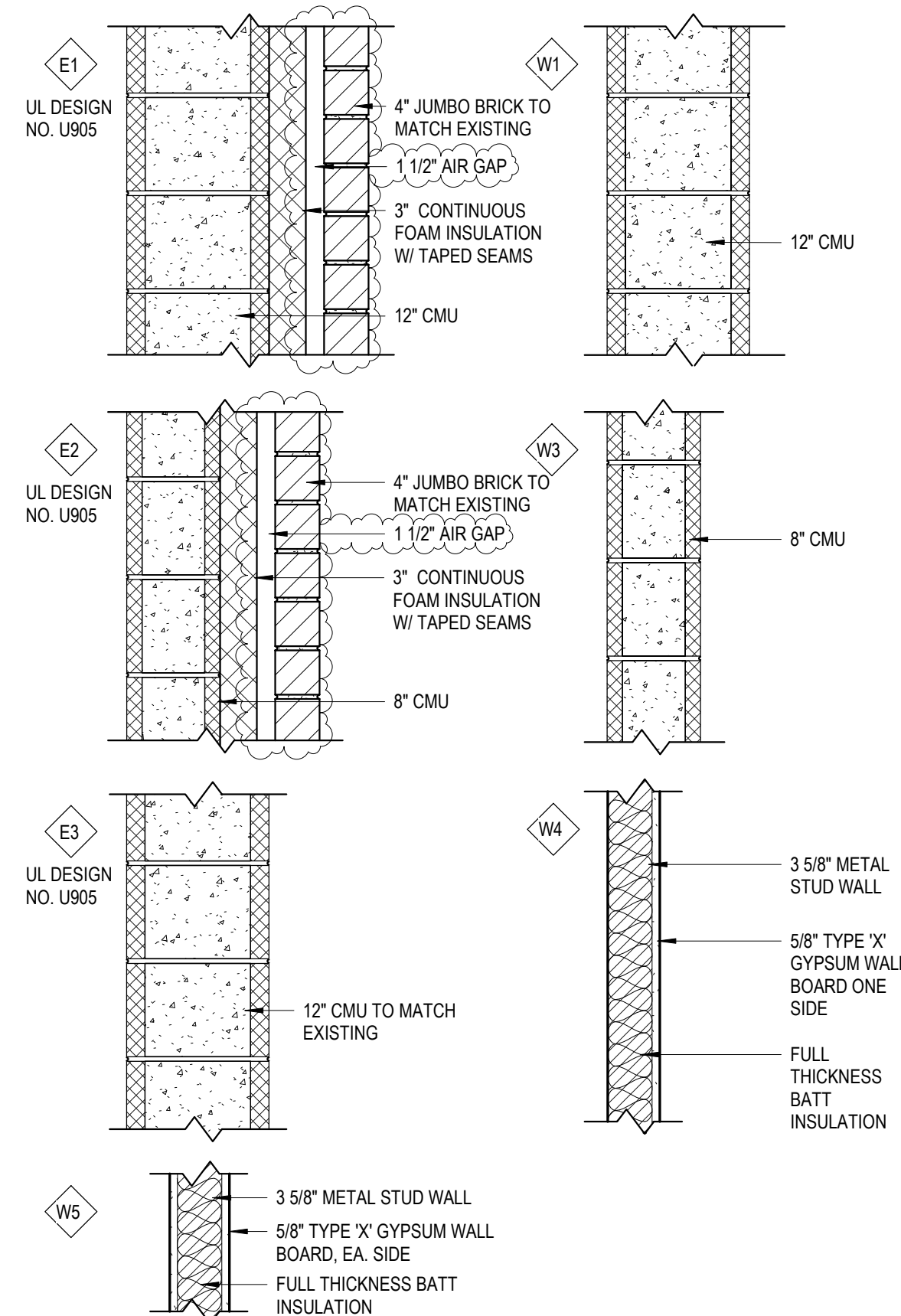
## GENERAL NOTES

1. PROVIDE BACKING PLATES IN STUD WALLS FOR ALL HANDRAILS, GRAB BARS, TOILET ACCESSORIES, CASEWORK, ETC.
2. IF A CONFLICT OR DISCREPANCY OCCURS BETWEEN FLOOR PLANS OF ARCHITECTURAL, STRUCTURAL, MECHANICAL OR ELECTRICAL DRAWINGS, CONTACT ARCHITECT FOR CLARIFICATION.
3. SEE PLUMBING PLANS FOR EXACT LOCATION OF FLOOR DRAINS. SLOPE ALL CONCRETE SLABS TOWARDS DRAINS.
4. ALL G.W.B. TO BE 5/8" TYPE 'X', EXCEPT AS NOTED.
5. USE WATER RESISTANT G.W.B. IN ALL WET AREAS INDICATED TO RECEIVE G.W.B. - JANITOR AREAS & TOILET ROOMS @ FIXTURE WALLS ONLY.
6. PROVIDE CASING BEAD & CAULK WHERE G.W.B. ABUTS DISSIMILAR MATERIAL, EXCEPT STONE.
7. DIMENSIONS ARE TO FACE OF BLOCK, FACE OF STUD OR GRID LINE UNLESS NOTED OTHERWISE.
8. LOCATE DOOR R.O. 4 1/2" FROM ADJACENT STUD WALL UNLESS NOTED OTHERWISE.
9. SEE A1 SERIES FOR WALL TYPES.
10. SEE A2.1 FOR ROOM FINISH SCHEDULE.
11. SEE A7 SERIES FOR ENLARGED PLANS.
12. SEE A8 SERIES FOR INTERIOR ELEVATIONS FOR TRIM, CASEWORK, TOILET ACCESSORIES, ETC.
13. SEE A10 SERIES FOR DOOR & WINDOW SCHEDULES.
14. SEE A11 SERIES FOR REFLECTED CEILING PLANS.
15. ALL VAPOR BARRIER IN LOCATIONS NOT COVERED WITH G.W.B. MUST MEET FLAME SPREAD 25 - SEE SPECS. ALL VAPOR BARRIER MUST BE SEALED OR TAPED AT ALL PENETRATIONS & OPENINGS.

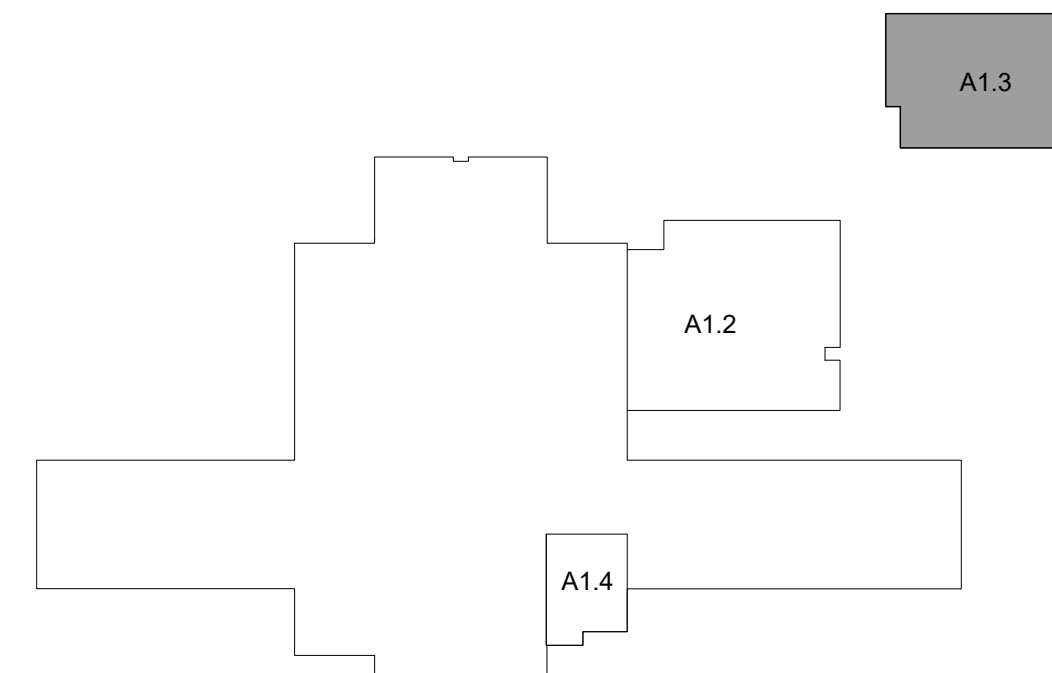
## KEYED NOTES

020000	EXISTING CONSTRUCTION TO REMAIN - PROTECT DURING CONSTRUCTION
024119.25	SELECTIVE DEMOLITION - REMOVE FIXED MULLION AND REPLACE WITH REMOVABLE MULLION - SEE HARDWARE SET 15
033000	CAST-IN-PLACE CONCRETE PROVIDE SCRATCH COAT FINISH TO MATCH EXISTING CONCRETE COLUMNS
042613	MASONRY VENEER TO MATCH EXISTING
064116	PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
093013	CERAMIC TILING
096466	WOOD ATHLETIC FLOORING
101100.10	VISUAL DISPLAY UNITS - MARKERBOARD
101100.20	VISUAL DISPLAY UNITS - TACK BOARD
104413	FIRE PROTECTION CABINETS - SEE DETAIL 1/2A.1
116623.10	GYMNASIUM EQUIPMENT - BASKETBALL EQUIPMENT
116623.20	GYMNASIUM EQUIPMENT - POLE VAULT PIT - RECESS IN FLOOR AS REQUIRED - SEE DETAIL 4/2.1
123623.13	PLASTIC-LAMINATE-CLAD COUNTERTOPS
126600	TELESCOPING STANDS
220000	PLUMBING FIXTURE OR EQUIPMENT - SEE PLUMBING
230000	MECHANICAL FIXTURE OR EQUIPMENT - SEE MECHANICAL

## WALL TYPES

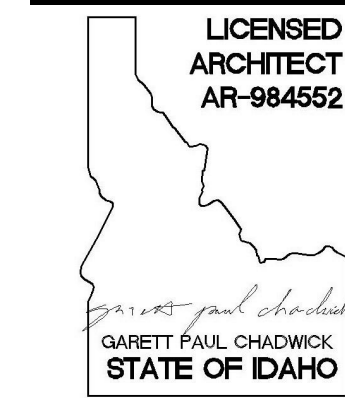


## KEY PLAN



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# TETON SCHOOL DISTRICT 401

## TETON HIGH SCHOOL ADDITIONS

gpc

no.	description	date
1	ADD #1	04/08/2019

project: 1726  
date: 02/22/2019

ADDITION  
FLOOR PLAN

sheet:

A1.2

GENERAL NOTES

1. NOT ALL INTERIOR FINISHES AND CABINETS ARE SHOWN ON BUILDING SECTIONS, SEE ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS.
2. SEE A1 SERIES FOR WALL TYPES.
3. SEE A6 SERIES FOR WALL SECTIONS.
4. SEE A8 SERIES FOR INTERIOR ELEVATIONS.
5. SEE A10 SERIES FOR DOOR SCHEDULE & WINDOW SCHEDULE.
6. ALL VAPOR BARRIER MUST BE SEALED OR TAPED AT ALL PENETRATIONS & OPENINGS.
7. ALL EXTERIOR FOUNDATION WALLS BELOW GRADE SHALL BE PROVIDED WITH DAMPPROOFING AT EXTERIOR AND 2" RIGID INSULATION AT INTERIOR. SEE WALL TYPES ON A1 SERIES.
8. SEE REFLECTED CEILING PLAN ON A11 SERIES AND ROOM FINISH SCHEDULE SHEET A2.1 FOR CEILING INFORMATION.

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TETON SCHOOL DISTRICT 401  
TETON HIGH SCHOOL ADDITIONS



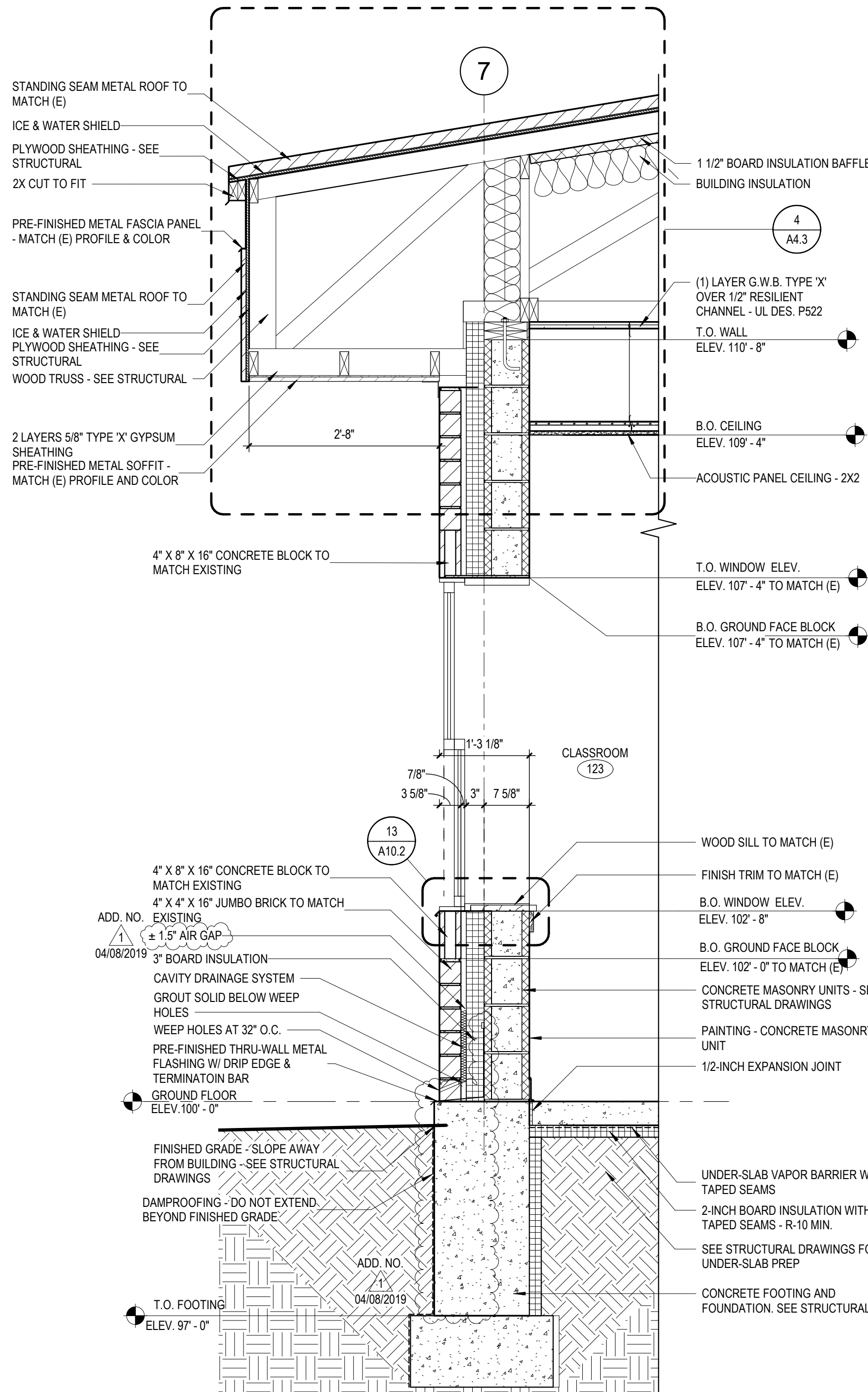
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no.	description	date
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project: 1726  
date: 02/22/2019

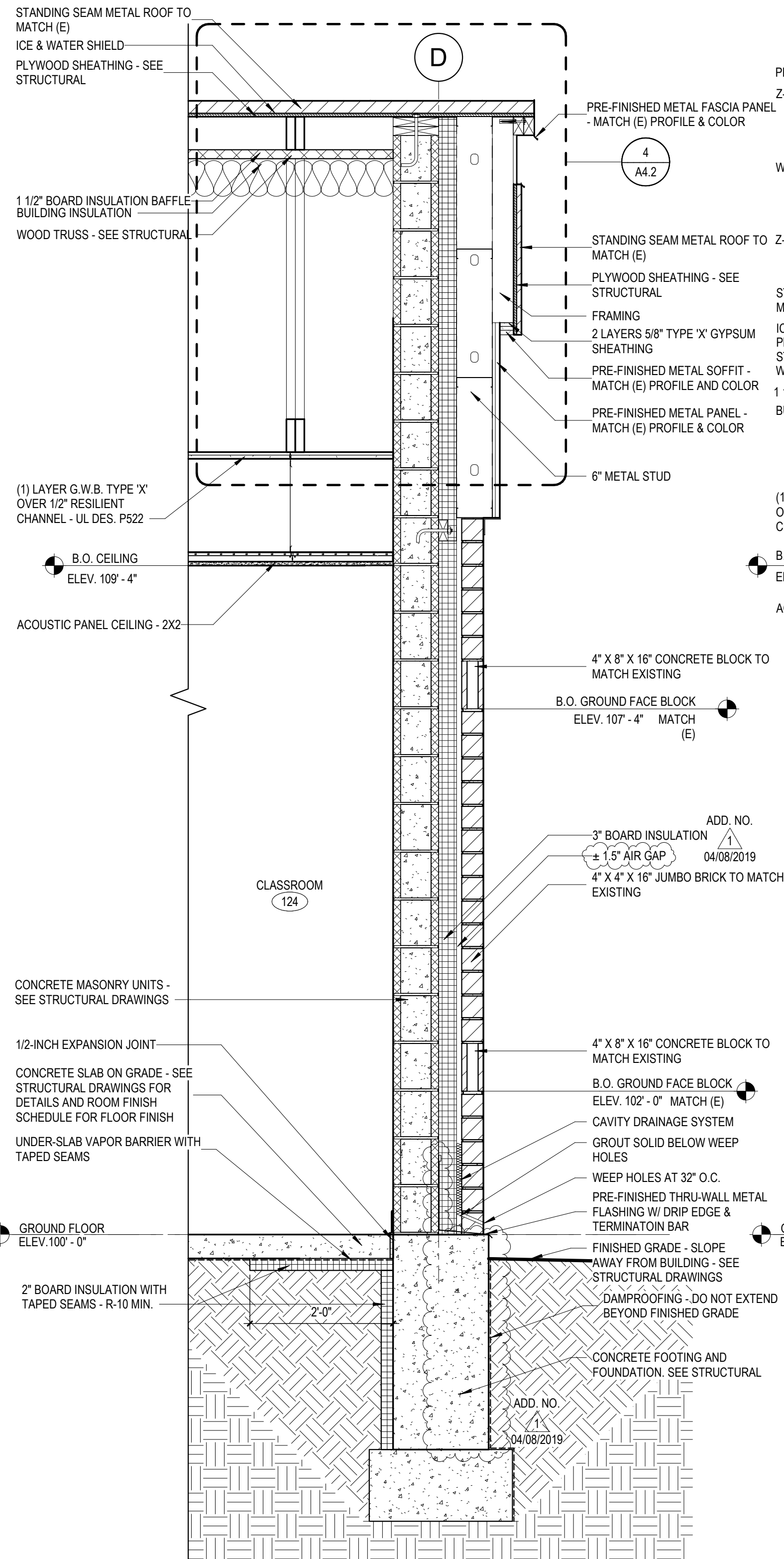
WALL SECTIONS

sheet:

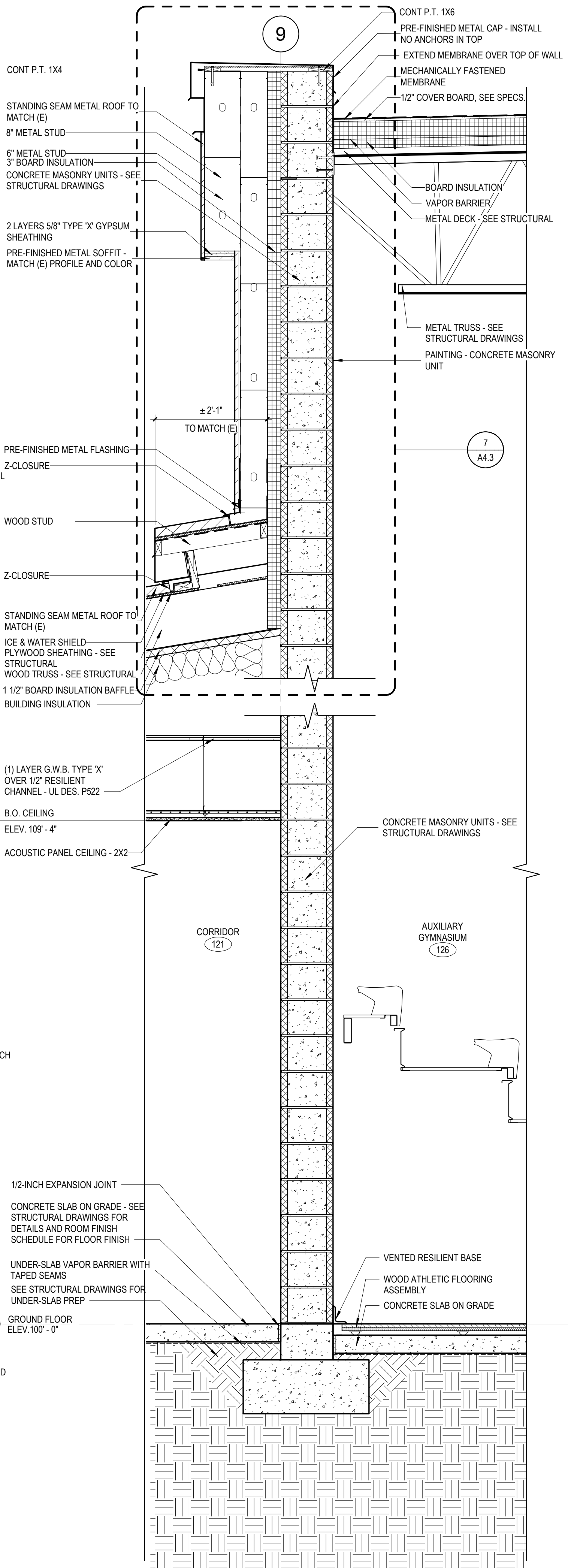
A6.1



3 WALL SECTION AT GRID 7  
A6.1 3/4" = 1'-0"



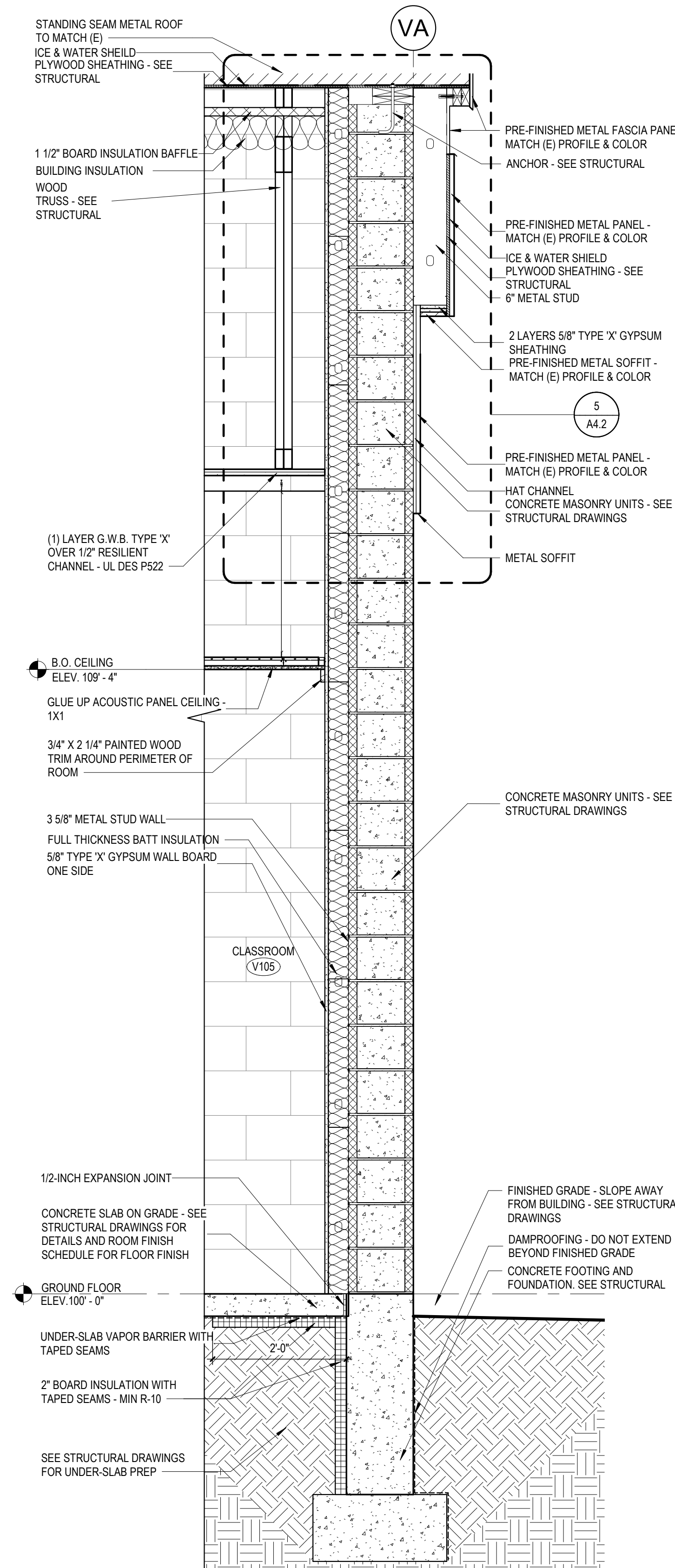
2 WALL SECTION @ GRID D  
A6.1 3/4" = 1'-0"



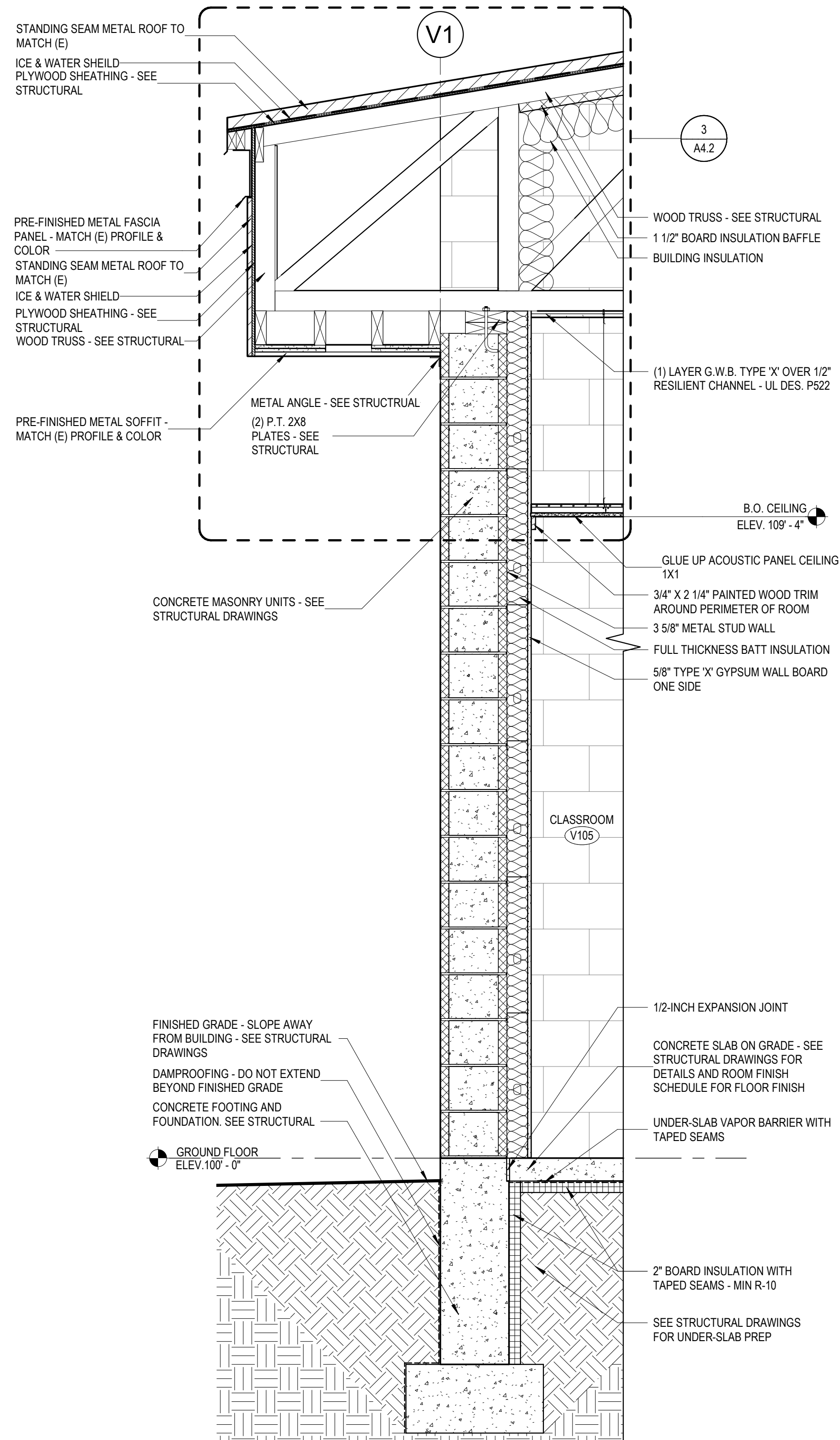
1 WALL SECTION @ GRID 9  
A6.1 3/4" = 1'-0"



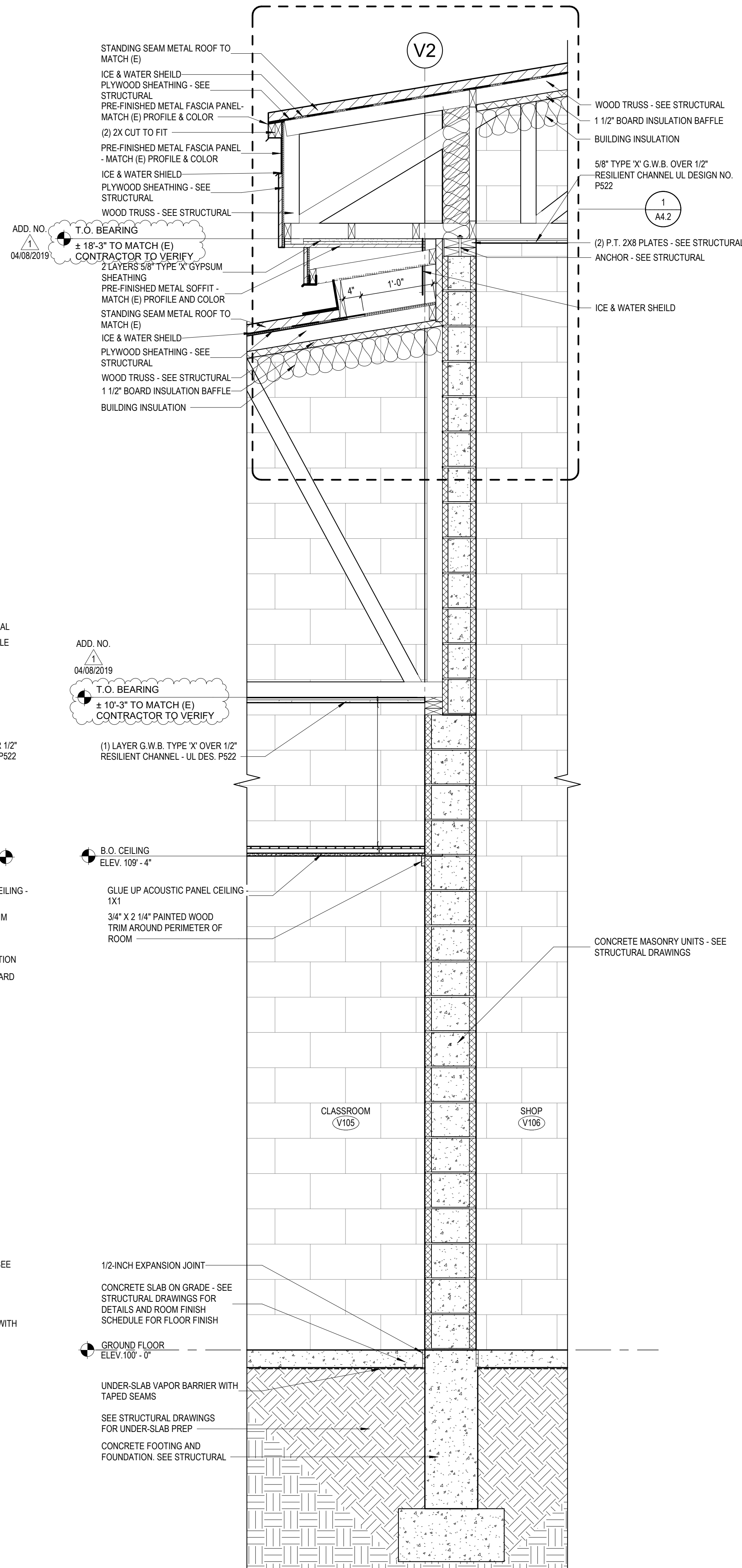
4/8/2019 4:46:55 PM



3 WALL SECTION GRID VA  
A6.3 3/4" = 1'-0"



2 WALL SECTION GRID V1  
A6.3 3/4" = 1'-0"



1 WALL SECTION GRID V2  
A6.3 3/4" = 1'-0"

# TETON SCHOOL DISTRICT 401

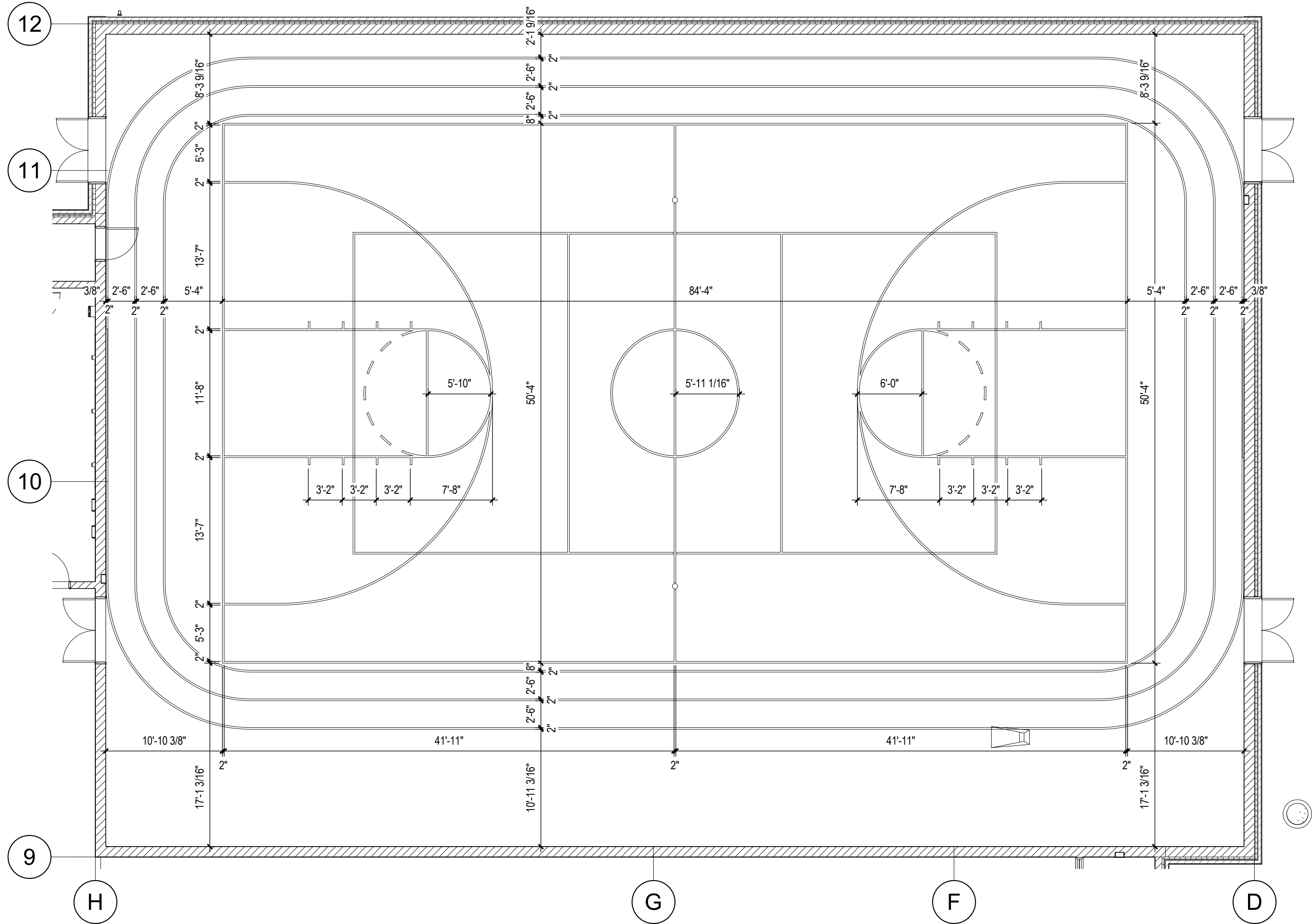
## TETON HIGH SCHOOL ADDITIONS

revisions		
no.	description	date
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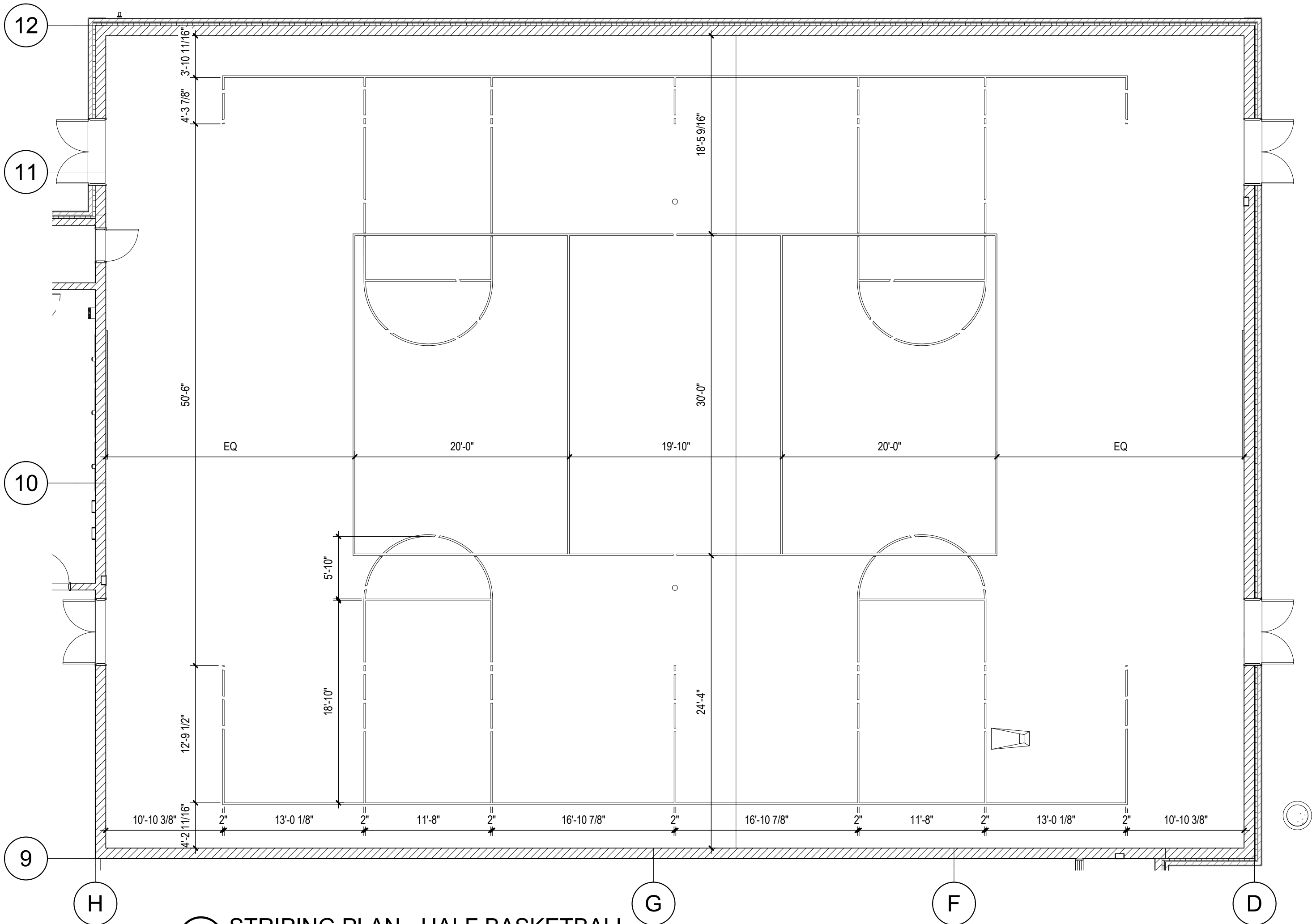
project: 1726  
date: 02/22/2019

WALL SECTIONS

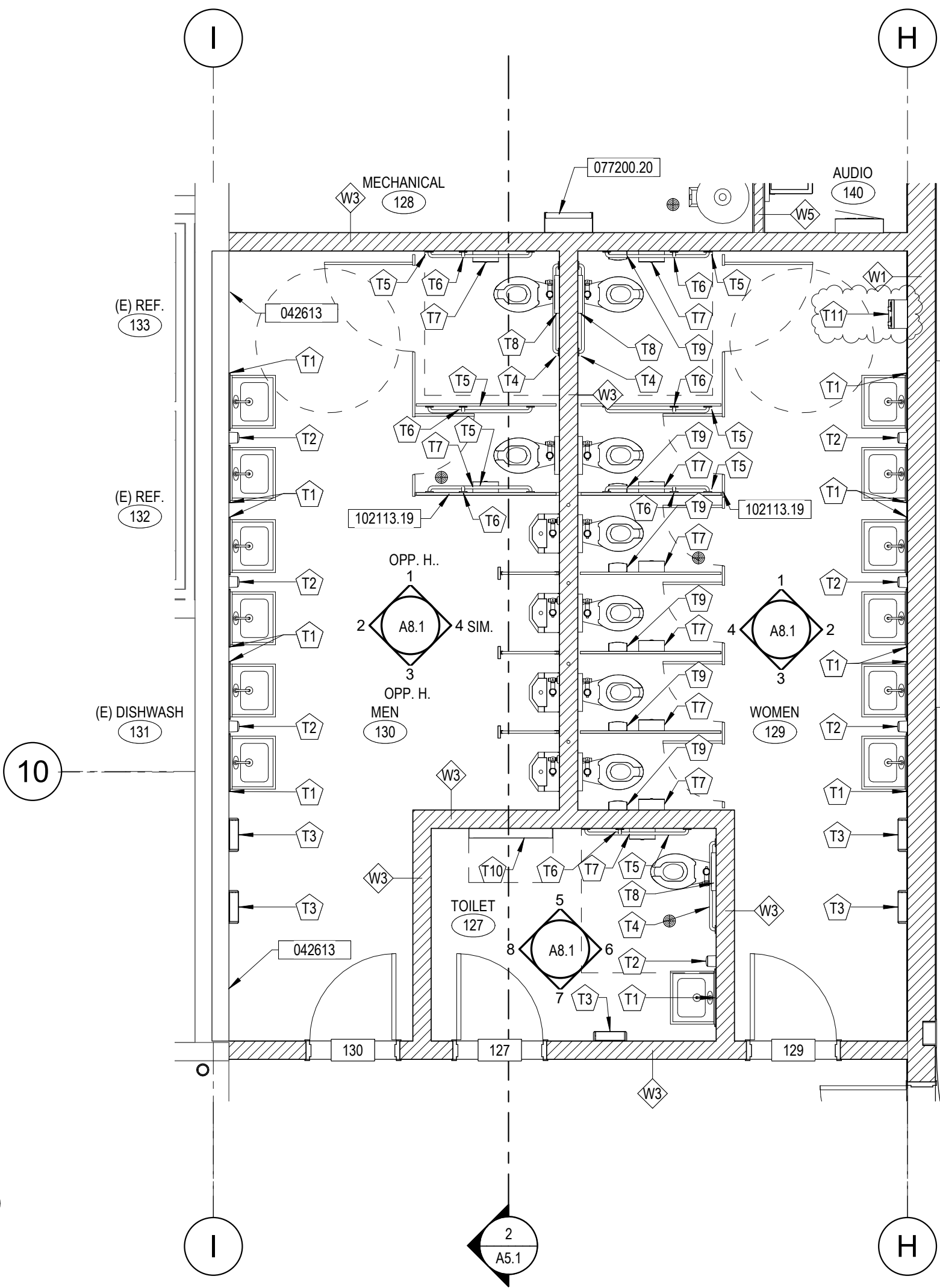
sheet:



1 STRIPING PLAN - MAIN BASKETBALL AND AGILITY  
A7.1 1/8" = 1'-0"



2 STRIPING PLAN - HALF BASKETBALL  
A7.1 1/8" = 1'-0"



3 ENLARGED BATHROOMS  
A7.1 1/4" = 1'-0"

## GENERAL NOTES

- SEE A10 SERIES FOR DOOR AND WINDOW SCHEDULES.
- SEE A11 SERIES FOR REFLECTED CEILING PLANS.
- SEE A2.1 FOR FINISH SCHEDULE.
- IF A CONFLICT OR DISCREPANCY OCCURS BETWEEN FLOOR PLANS OF ARCHITECTURAL, STRUCTURAL, MECHANICAL OR ELECTRICAL DRAWINGS, CONTACT ARCHITECT FOR CLARIFICATION.
- ALL G.W.B. TO BE TYPE 'X', EXCEPT AS NOTED.
- SEE STRUCTURAL DRAWINGS FOR CONTROL JOINTS IN SLABS.
- PROVIDE CASING BEAD CAULK WHERE G.W.B. ABUTS DISSIMILAR MATERIAL.
- DIMENSIONS ARE TO FACE OF STUD, FACE OF BLOCK OR GRID LINE UNLESS NOTED OTHERWISE.

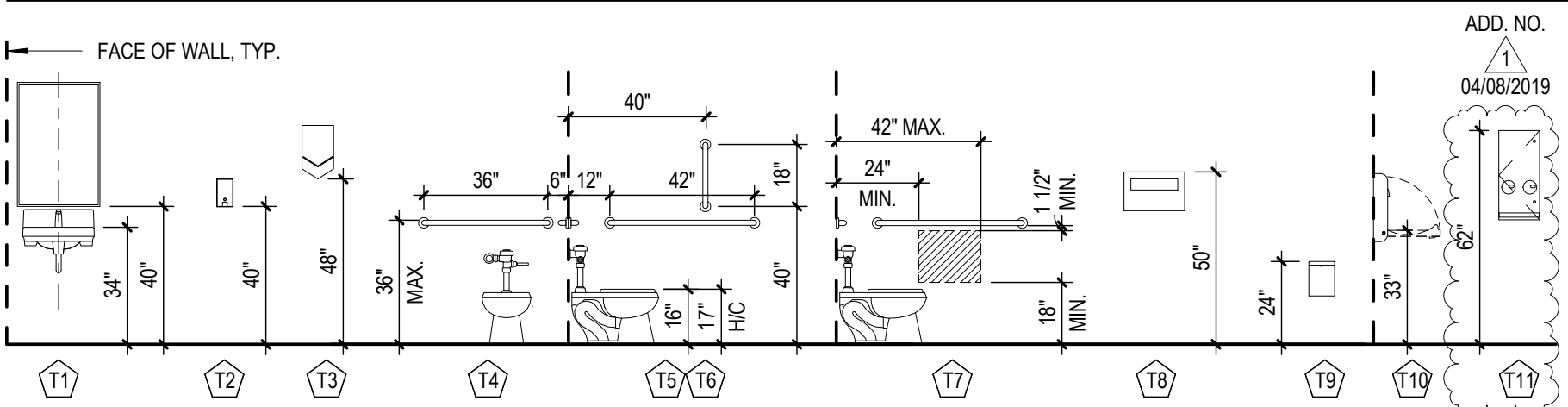
## TOILET ACCESSORIES

NOTED  
THUS: TX

MARK	DESCRIPTION	MODEL #
T1	24X36 CHANNEL FRAME MIRROR	B-165 2436
T2	SOAP DISPENSER, FOAM SOAP - TANK TYPE VERTICAL	O.F.C.I.
T3	AUTOMATIC HAND DRYER - BRADLEY	2923
T4	1 1/2" DIA., 36" LONG GRAB BAR	B-5806x36
T5	1 1/2" DIA., 42" LONG GRAB BAR	B-5806x42
T6	1 1/2" DIA., 18" LONG GRAB BAR	B-5806x18
T7	TOILET PAPER DISPENSER	O.F.C.I.
T8	SEAT COVER DISPENSER	B-221
T9	SANITARY NAPKIN DISPOSAL	B-270
T10	SURFACE MOUNTED BABY CHANGING STATION	KB200
T11	SANITARY NAPKIN VENDOR	B-2706 25

ADD. NO. 04/08/2019  
NOTES:  
1. MOST MODEL NUMBERS INDICATED RELATE TO 'BOBRICK' AND ARE USED TO SET MINIMUM STANDARDS UNLESS NOTED OTHERWISE

## MOUNTING HEIGHTS

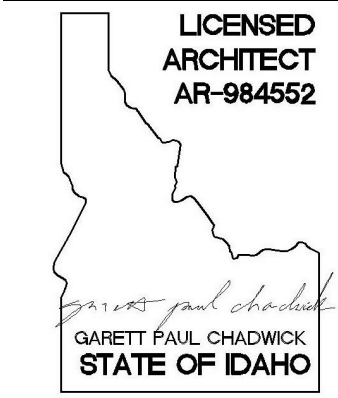


## KEYED NOTES

042613	MASONRY VENEER TO MATCH EXISTING
077200.20	ROOF LADDER - SEE DETAIL 2/A4.4
102113.19	PLASTIC TOILET COMPARTMENTS

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TETON SCHOOL DISTRICT 401  
TETON HIGH SCHOOL ADDITIONS

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no.	description	date
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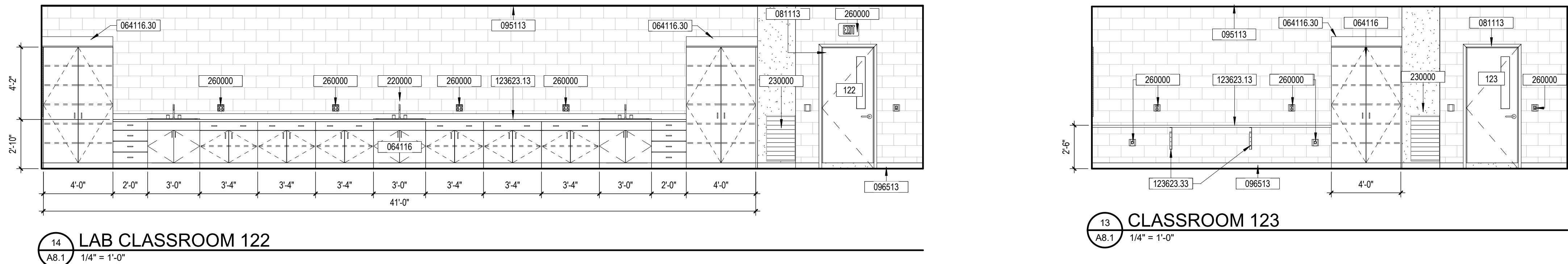
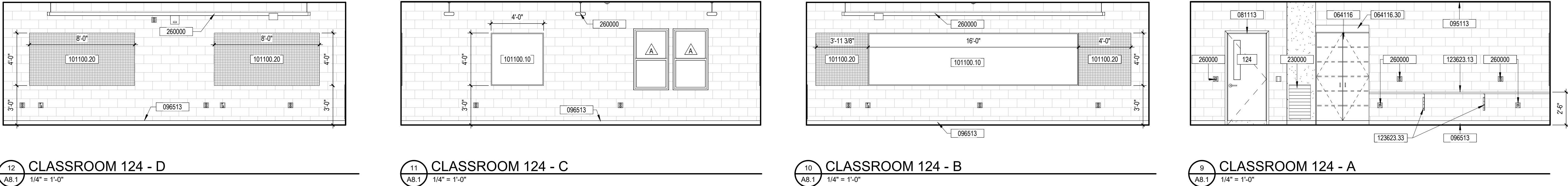
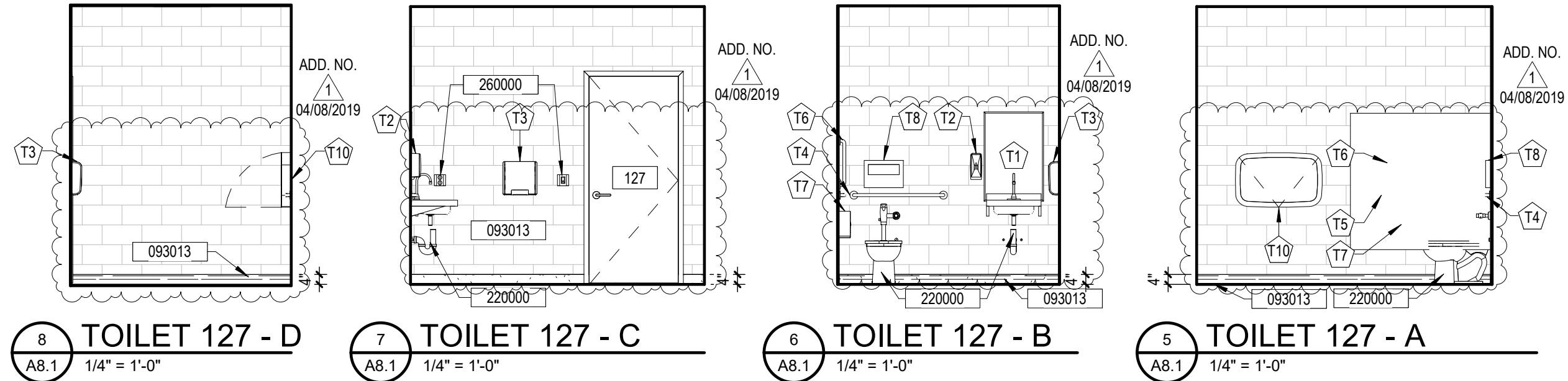
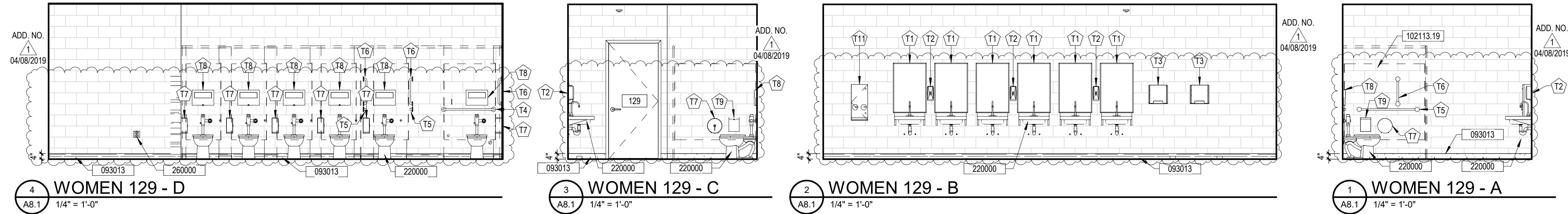
project: 1726

date: 02/22/2019

STRIPING PLAN  
& ENLARGED  
PLAN

sheet:

A7.1



## GENERAL NOTES

- SEE A1 SERIES FOR WALL TYPES
- SEE A2 SERIES FOR ROOM FINISH SCHEDULE
- SEE A10 SERIES FOR DOOR & WINDOW SCHEDULE
- SEE A11 SERIES FOR REFLECTED CEILING PLANS
- IF A CONFLICT OR DISCREPANCY OCCURS BETWEEN FLOOR PLANS OF ARCHITECTURAL, STRUCT., MECH. OR ELEC. DWGS., CONTACT ARCHITECT FOR CLARIFICATION.
- ALL G.W.B. TO BE 5/8" TYPE 'X', EXCEPT AS NOTED
- SEE STRUCT. DWGS. FOR CONTROL JOINTS IN FLOOR SLABS.
- PROVIDE CASING BEAD & CAULK WHERE G.W.B. ABUTS DISSIMILAR MAT'L.
- DIMENSIONS ARE TO FACE OF STUD. FACE OF BLOCK, OR GRID LINE U.N.O.
- ALL SINK BASE CABINETS TO BE ADA ACCESSIBLE.

## KEYED NOTES

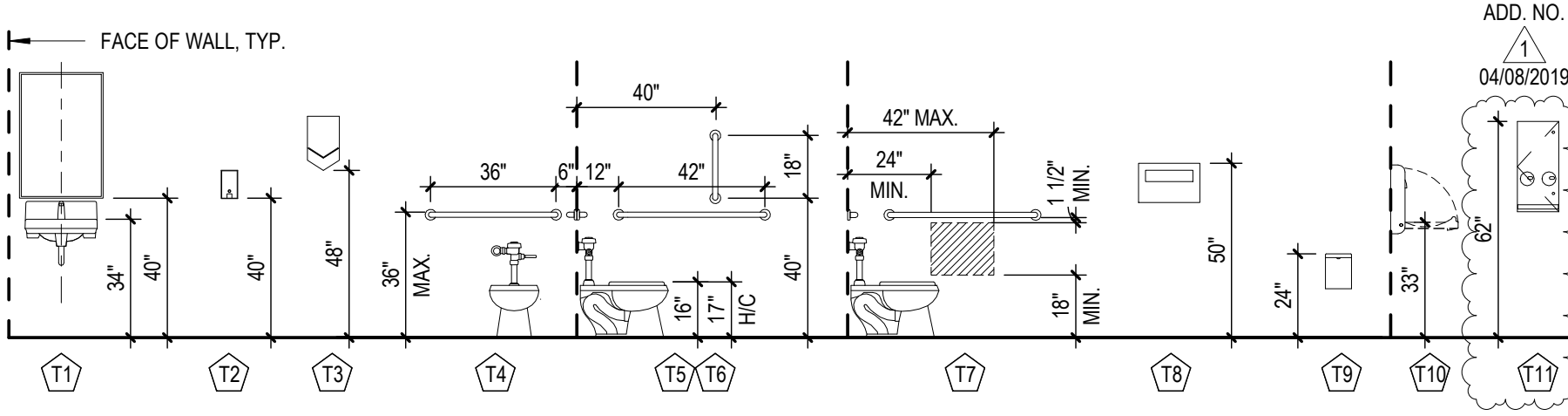
064116	PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
064116.30	PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS - SLOPE TOP
081113	HOLLOW METAL DOORS AND FRAMES, PAINT TO MATCH EXISTING
093013	CERAMIC TILING
095113	ACOUSTICAL PANEL CEILINGS
096513	RESILIENT BASE AND ACCESSORIES
101100.10	VISUAL DISPLAY UNITS - MARKERBOARD
101100.20	VISUAL DISPLAY UNITS - TACK BOARD
102113.19	PLASTIC TOILET COMPARTMENTS
123623.13	PLASTIC-LAMINATE-CLAD COUNTERTOPS
123623.33	PROVIDE COUNTERTOP SUPPORT AS REQ'D.
220000	PLUMBING FIXTURE OR EQUIPMENT - SEE PLUMBING
230000	MECHANICAL FIXTURE OR EQUIPMENT - SEE MECHANICAL
260000	ELECTRICAL FIXTURE OR EQUIPMENT - SEE ELECTRICAL

## TOILET ACCESSORIES

MARK	DESCRIPTION	MODEL #
T1	24X36 CHANNEL FRAME MIRROR	B-165 2436
T2	SOAP DISPENSER, FOAM SOAP - TANK TYPE VERTICAL	O.F.C.I.
T3	AUTOMATIC HAND DRYER - BRADLEY	2923
T4	1 1/2" DIA., 36" LONG GRAB BAR	B-580x36
T5	1 1/2" DIA., 42" LONG GRAB BAR	B-580x42
T6	1 1/2" DIA., 18" LONG GRAB BAR	B-580x18
T7	TOILET PAPER DISPENSER	O.F.C.I.
T8	SEAT COVER DISPENSER	B-221
T9	SANITARY NAPKIN DISPOSAL	B-270
T10	SURFACE MOUNTED BABY CHANGING STATION	KB200
T11	SANITARY NAPKIN VENDOR	B-2706 25

- NOTES:
- MOST MODEL NUMBERS INDICATED RELATE TO 'BOBRICK' AND ARE USED TO SET MINIMUM STANDARDS UNLESS NOTED OTHERWISE

## MOUNTING HEIGHTS



no.	description	date
1	ADD #1	04/08/2019

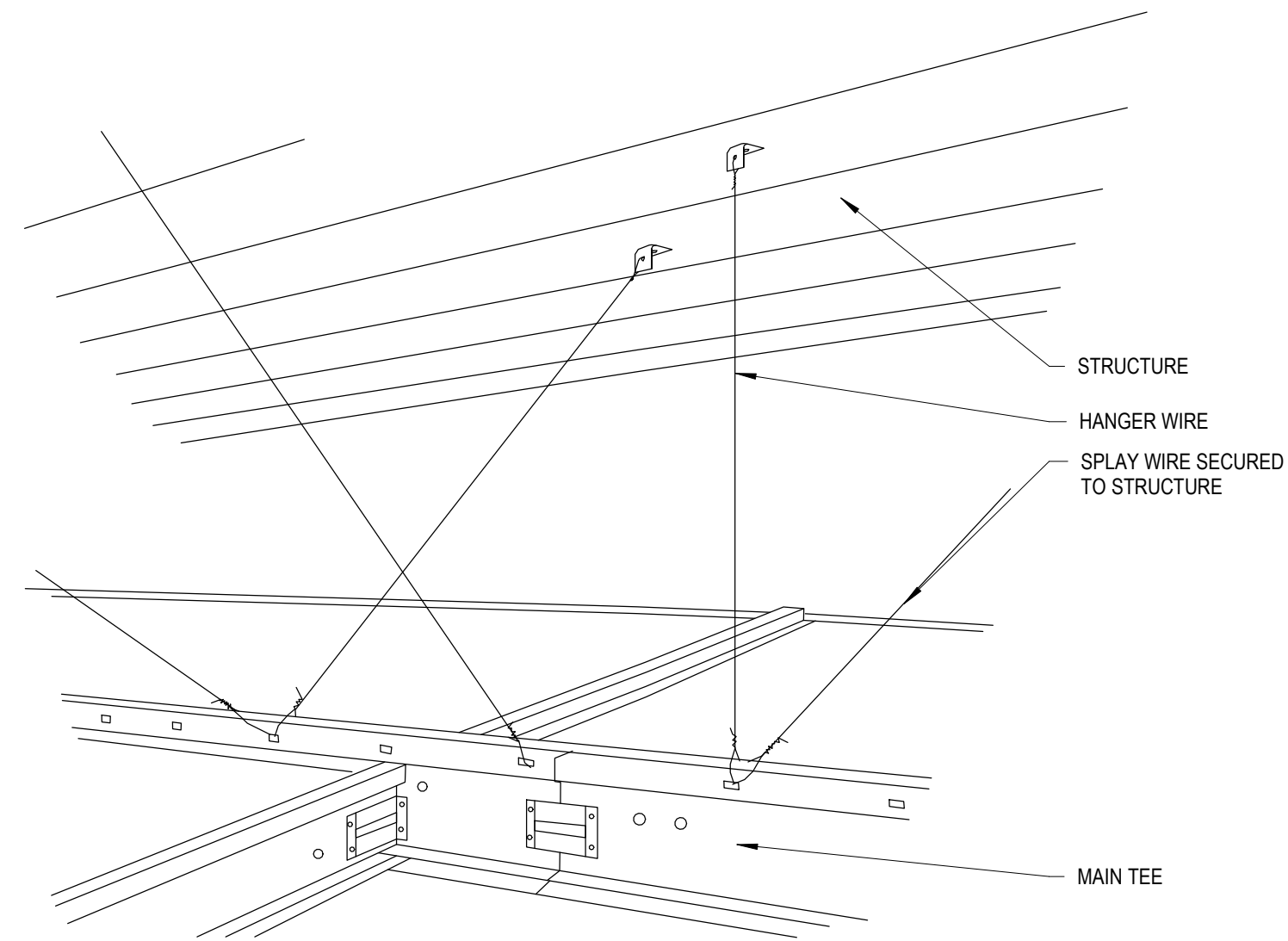
project: 1726

date: 02/22/2019

INTERIOR  
ELEVATIONS

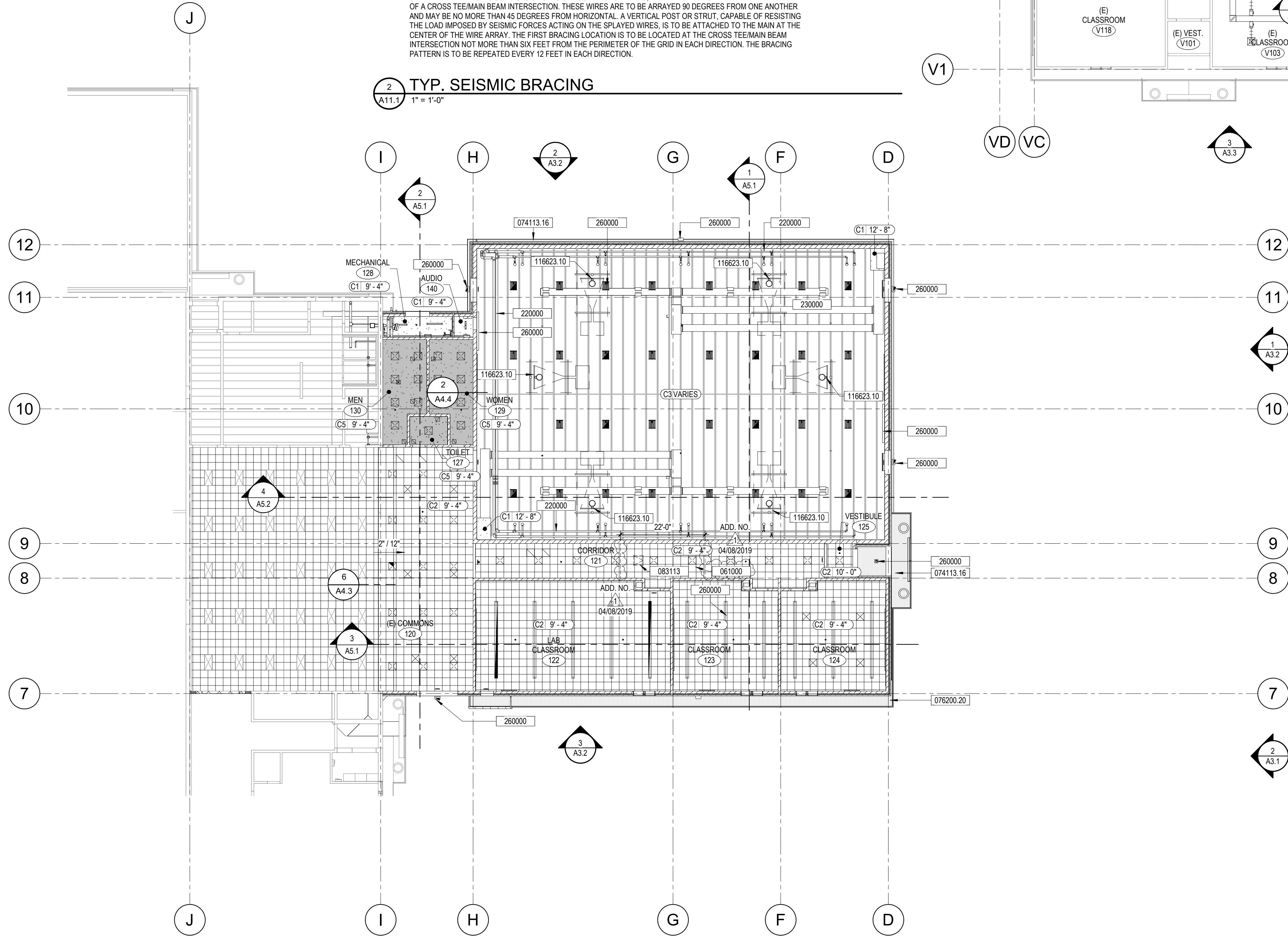
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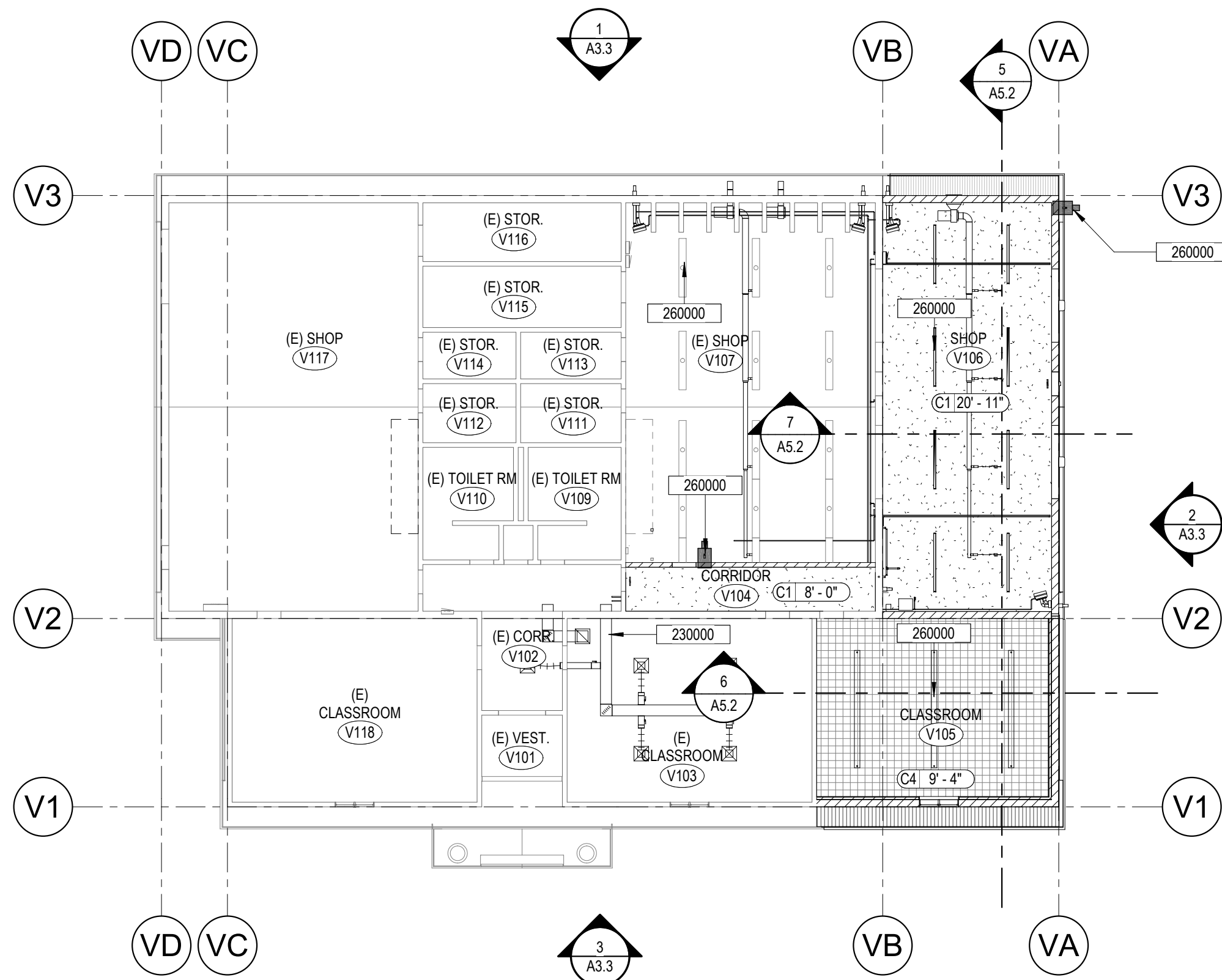


SPLAYED WIRE BRACING CONSISTS OF SETS OF FOUR 12 GAGE WIRES, ALL ATTACHED TO THE MAIN BEAM WITHIN 2" OF A CROSS TEE/MAIN BEAM INTERSECTION. THESE WIRES ARE TO BE ARRAYED 90 DEGREES FROM ONE ANOTHER AND MAY BE NO MORE THAN 45 DEGREES FROM HORIZONTAL. A VERTICAL POST OR STRUT, CAPABLE OF RESISTING THE LOAD IMPOSED BY SEISMIC FORCES ACTING ON THE SPLAYED WIRES, IS TO BE ATTACHED TO THE MAIN AT THE CENTER OF THE WIRE ARRAY. THE FIRST BRACING LOCATION IS TO BE LOCATED AT THE CROSS TEE/MAIN BEAM INTERSECTION NOT MORE THAN SIX FEET FROM THE PERIMETER OF THE GRID IN EACH DIRECTION. THE BRACING PATTERN IS TO BE REPEATED EVERY 12 FEET IN EACH DIRECTION.

2 TYP. SEISMIC BRACING  
A11.1 1" = 1'-0"



1 OVERALL REFLECTED CEILING PLAN  
A11.1 1/16" = 1'-0"



## GENERAL NOTES

- CENTER LIGHT FIXTURES, ETC., IN CEILING TILES OR AS SHOWN.
- LIGHT FIXTURES WHICH OCCUR IN GWB CEILINGS ARE TO BE CENTERED BETWEEN WALLS AND/OR CASEWORK, UNLESS OTHERWISE NOTED. REFER TO FLOOR PLANS, A1 SERIES, FOR DIMENSIONS AND WALL TYPES.
- COORDINATE PLACEMENT OF MECHANICAL AND ELECTRICAL ITEMS TO AVOID CONFLICT WITH OBSTRUCTIONS ABOVE CEILING.
- SUSPENDED GYP. BOARD CEILINGS MAY BE EITHER OF THE FOLLOWING AT CONTRACTORS OPTION: 5/8" TYPE "X" GWB ON HAT CHANNELS @ 24" O.C., SECURED TO 1 1/2" "C" CHANNELS @ 48" O.C., SUSPENDED FROM STRUCTURE OR 5/8" TYPE "X" GWB ON LIGHT GAUGE METAL FRAMING AS REQUIRED FOR SPANS, SPACED @ 24" O.C.
- THIS BUILDING IS TO BE FULLY SPRINKLERED. SPRINKLER HEAD LOCATIONS AND QUANTITIES TO BE IN ACCORDANCE WITH NFPA-13 AND ADMINISTRATIVE AUTHORITY. HEADS TO BE CENTERED IN CEILING TILES, ROOMS OR BETWEEN OTHER CEILING ELEMENTS, SUCH AS LIGHT FIXTURES, SMOKE DETECTORS, ETC.
- CEILING ELEVATIONS NOTED ARE ABOVE THE FINISHED FLOOR ELEVATION.
- PROVIDE SEISMIC BRACING FOR ALL SUSPENDED CEILINGS - SEE DETAIL 2/A11.1
- ALL EXPOSED DUCTWORK IN PUBLIC AREA TO BE PAINTED.

## KEYED NOTES

ADD. NO.	DESCRIPTION
061000	ROUGH CARPENTRY - MECHANICAL PLATFORM ABOVE
074113.16	STANDING SEAM METAL ROOF PANELS - TO MATCH EXISTING
076200.20	SHEET METAL FLASHING & TRIM TO MATCH EXISTING
083113	ACCESS DOORS & FRAMES - FIRE RATED ACCESS HATCH BEYOND
116623.10	GYMNASIUM EQUIPMENT - BASKETBALL EQUIPMENT
220000	PLUMBING FIXTURE OR EQUIPMENT - SEE PLUMBING
230000	MECHANICAL FIXTURE OR EQUIPMENT - SEE MECHANICAL
260000	ELECTRICAL FIXTURE OR EQUIPMENT - SEE ELECTRICAL

## CEILING TYPES

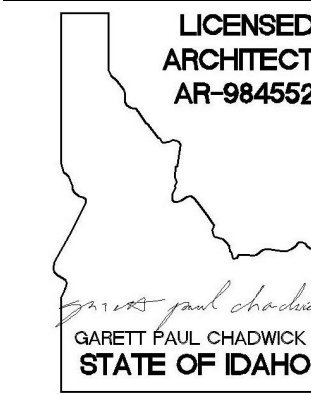
C1	PAINTED, TEXTURED TYPE "X" GYPSUM WALL BOARD UL DESIGN NO. P522
C2	24" X 24" ACOUSTIC TILE AND GRID SYSTEM - SEE SPECS
C3	EXPOSED TO STRUCTURE - PAINT STRUCTURE, MECHANICAL AND ELECTRICAL.
C4	12" X 12" GLUE UP ACOUSTIC TILE - SEE SPECS
C5	EPOXY PAINTED, TEXTURED TYPE "X" GYPSUM WALL BOARD

## SYMBOL KEY

○	RECESSED CAN (EXT. OR INT.)
▨	HIGH BAY LIGHT
—	PENDANT STRIP DOWNLIGHT
⊠	2' X 2' CEILING PANEL LIGHT
⊠	2' X 4' CEILING PANEL LIGHT
⊠	MECHANICAL SUPPLY
○	NOTE: PLACE SPRINKLER HEAD IN CEILING GRID AS DIAGRAMMED AT LEFT. PLACE HEAD IN CENTER OF 2'X4 OR 2'X2 TILE OR IN CENTER OF 1/2 OF A 2'X4 OR 2'X2 TILE - AS DIRECTED BY ARCHITECT. VERIFY LOCATION OF ALL SPRINKLER HEADS PRIOR TO FINAL PLACEMENT.
○	NOTE: SHOULD A CONFLICT OF MECHANICAL AND ELECTRICAL DEVICES OCCUR BETWEEN THE ARCHITECTURAL REFLECTED CEILING PLAN AND THE MECHANICAL/ ELECTRICAL DRAWINGS, CONTACT ARCHITECT FOR RESOLUTION

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TETON SCHOOL DISTRICT 401  
TETON HIGH SCHOOL ADDITIONS

gpc

no.	description	date
1	ADD #1	04/08/2019

project: 1726  
date: 02/22/2019

REFLECTED  
CEILING PLAN

sheet:

A11.1



FOUNDATION WALL REINFORCEMENT SCHEDULE				
WALL THKS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	DOWELS TO FOOTING	REMARKS
CW-8	#4 BARS @ 16" O.C. CENTER IN WALL	#4 BARS @ 10" O.C. CENTER IN WALL	#4 BARS @ 16" O.C. CENTER IN WALL	
CW-12	#4 BARS @ 16" O.C. EACH FACE	#4 BARS @ 12" O.C. EACH FACE	#4 BARS @ 16" O.C. EACH FACE	
CW-16	#4 BARS @ 16" O.C. EACH FACE	#4 BARS @ 10" O.C. EACH FACE	#4 BARS @ 16" O.C. EACH FACE	(2) #5 BARS TOP & BOTTOM HORIZ.
CW-20	#4 BARS @ 16" O.C. EACH FACE	#4 BARS @ 8" O.C. EACH FACE	#4 BARS @ 16" O.C. EACH FACE	(2) #5 BARS TOP & BOTTOM HORIZ.

1

S2.0

CONCRETE FOUNDATION WALL SCHEDULE

3/4" = 1'-0"

FOOTING SCHEDULE									
MARK	WIDTH	LENGTH	DEPTH	REINF. CROSSWISE			REINF. LENGTHWISE		
				NO.	SIZE	LENGTH	NO.	SIZE	LENGTH
F1	2'-0"	CONT.	12"	-	-	-	3	#4	CONT. AS SHOWN
F2	2'-4"	CONT.	12"	-	-	-	4	#4	CONT. AS SHOWN
F3	1'-6"	CONT.	10"	-	-	-	2	#4	CONT. AS SHOWN
F4	3'-0"	3'-0"	12"	3	#4	2'-6"	3	#4	2'-6"

2

S2.0

FOOTING SCHEDULE

3/4" = 1'-0"

MASONRY WALL REINFORCEMENT SCHEDULE				
MARK	WALL TYPE	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	REMARKS
MR-8	8" BLOCK	#5 BAR @ 32" O.C.	#5 BAR @ 48" O.C.	HORIZONTAL BOND BEAMS AT TOP, BOTTOM AND AT 4'-0" O.C. WITH (2) #4 REBAR. PLACE (5) #5 REBAR VERTICAL AT EACH CORNER PER TYPICAL CORNER DETAIL.
MR-12	12" BLOCK	#5 BAR @ 16" O.C.	(2) #6 BARS @ 48" O.C.	HORIZONTAL BOND BEAMS AT TOP, BOTTOM AND AT 4'-0" O.C. WITH (2) #6 REBAR. PLACE (5) #5 REBAR VERTICAL AT EACH CORNER PER TYPICAL CORNER DETAIL.

3

S2.0

MASONRY WALL REINFORCEMENT SCHEDULE

1" = 1'-0"

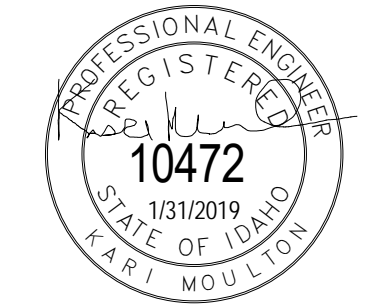
ROOF DECK AND WELD REQUIREMENTS	
<div>1. ROOF DECK TO BE 1-1/2" DEEP, 20 GA. GALVANIZED, TYPE "B" METAL DECK - MIN 3 SPANS CONTINUOUS.</div> <div>2. ANCHOR TO EACH SUPPORT WITH 36/5 PATTERN (SEE DETAIL THIS SHEET).</div> <div>3. FASTEN SIDELAP WITH (3) #10 TEK SCREWS EACH JOIST SPACE.</div> <div>4. BOUNDARY CONNECTION - ANCHOR PERIMETER OF DECKING TO EDGE ANGLE WITH 5/8" PUDDLE WELD AT 8" O.C.</div>	
<div><div><div></div><div>WELD</div><div></div></div><div><div></div><div>WELD</div><div></div></div><div><div></div><div>WELD</div><div></div></div><div><div></div><div>WELD</div><div></div></div><div><div></div><div>WELD</div><div></div></div></div>	

4

S2.0

ROOF DECK AND WELD REQUIREMENTS

3/4" = 1'-0"



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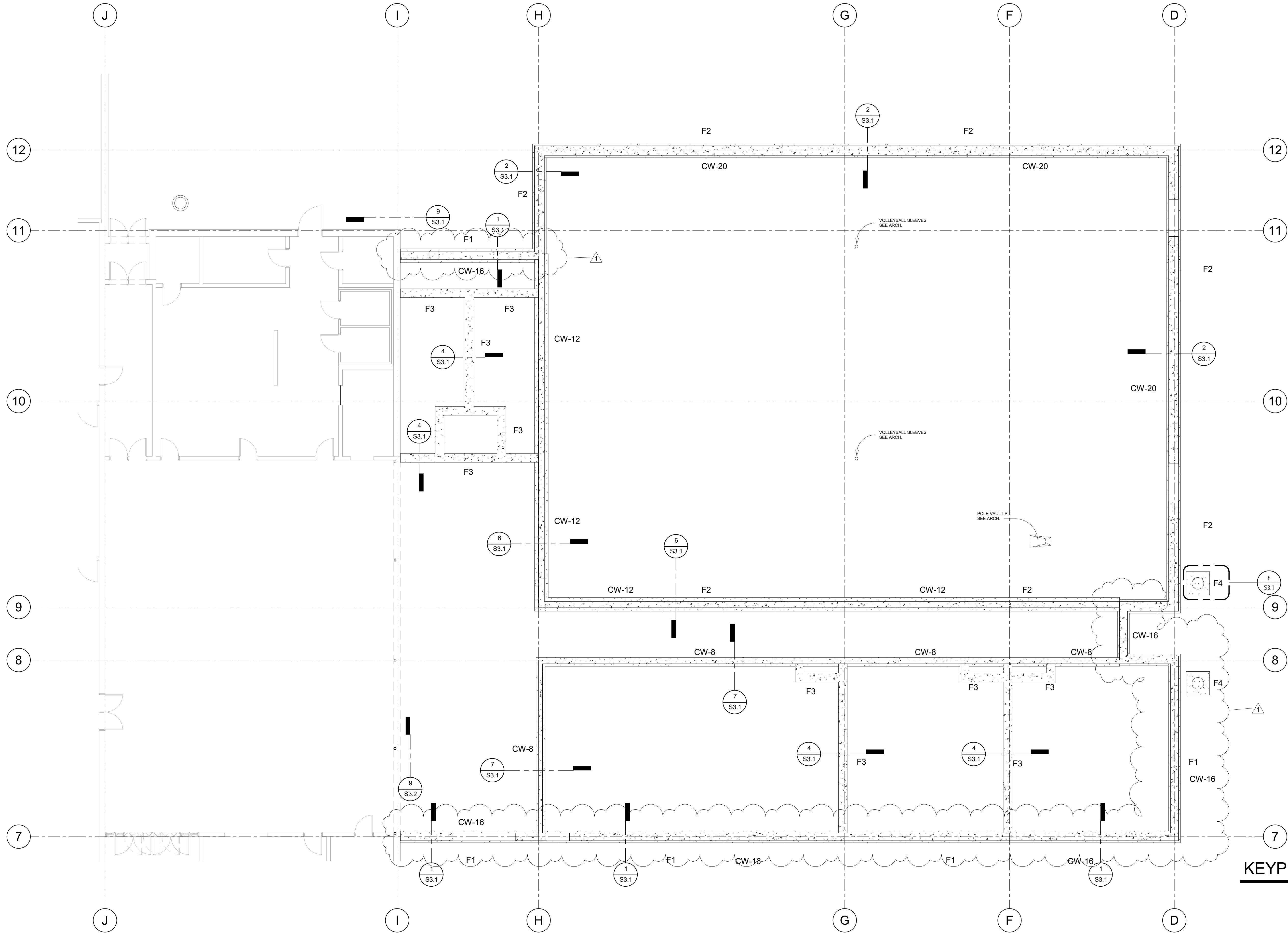
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no.	description	date
1	Addendum #1	04/08/2019

project:	1726
date:	2/22/2019

STRUCTURAL SCHEDULES

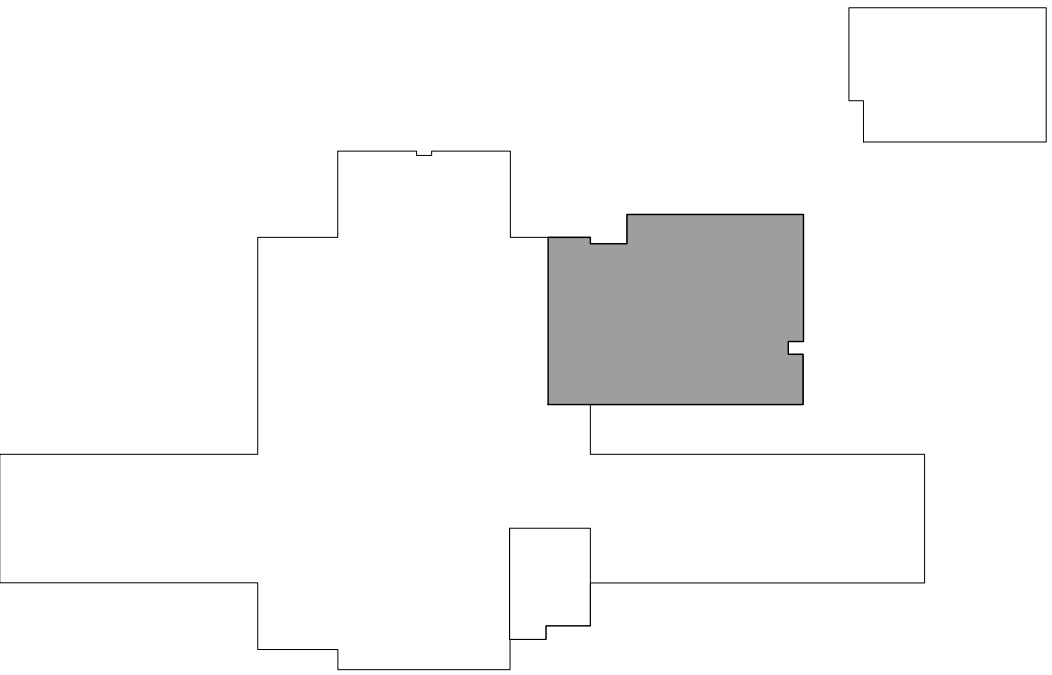
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S2.0



1 HIGH SCHOOL ADDITION FOUNDATION PLAN  
S2.1 1/8" = 1'-0"

KEYPLAN



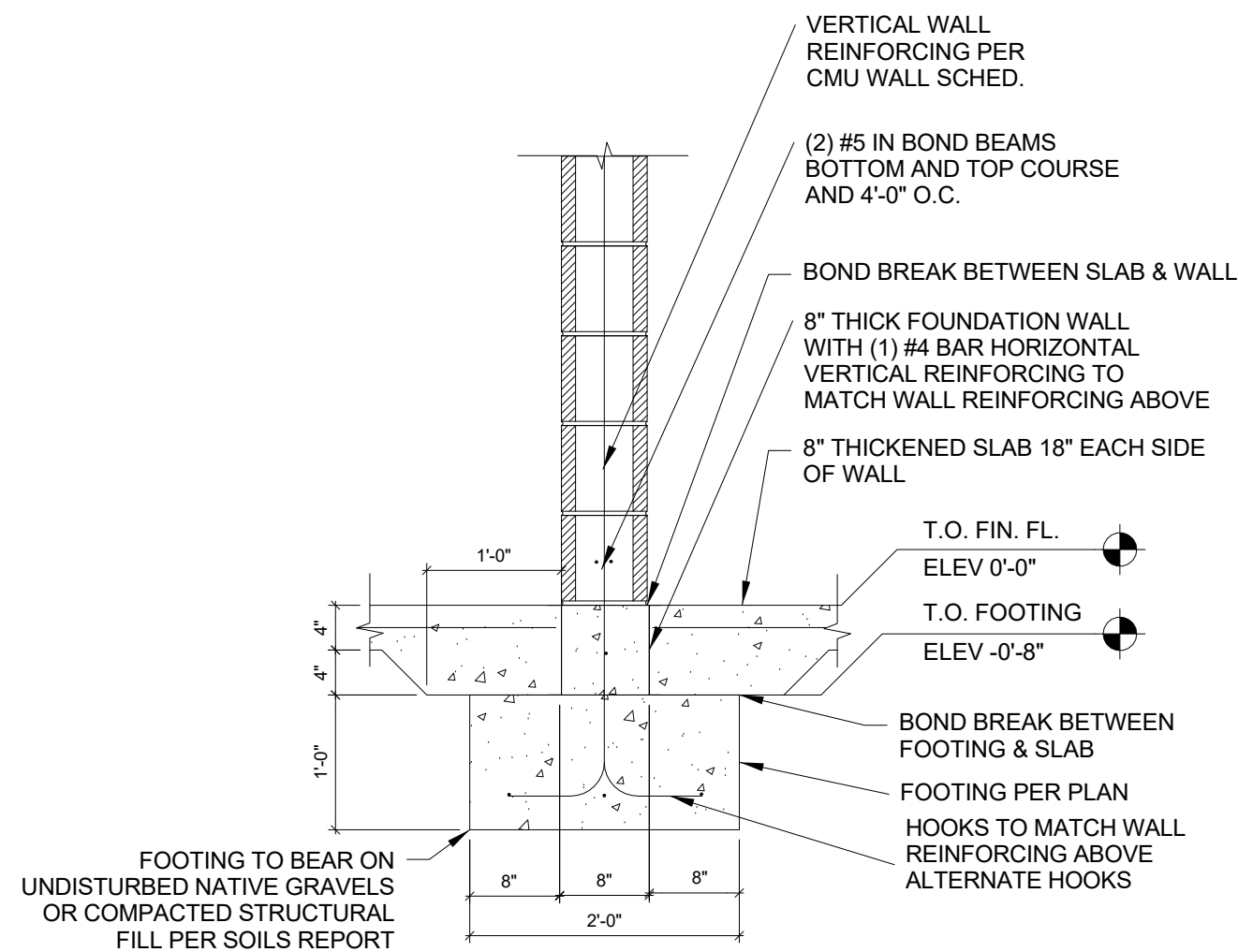
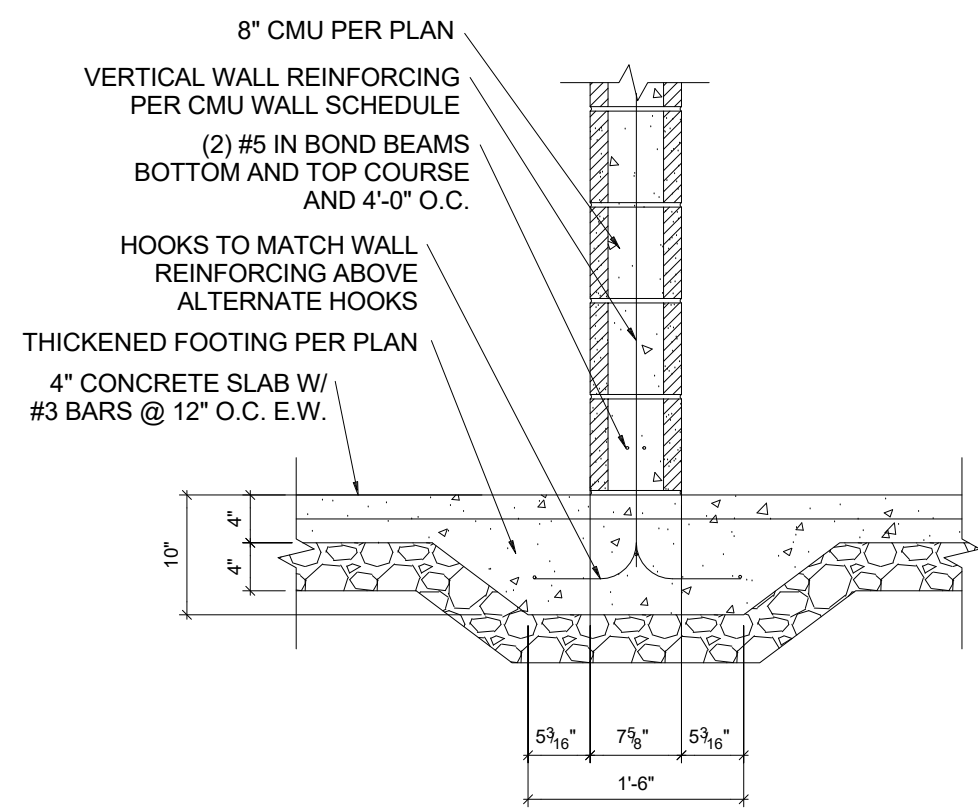
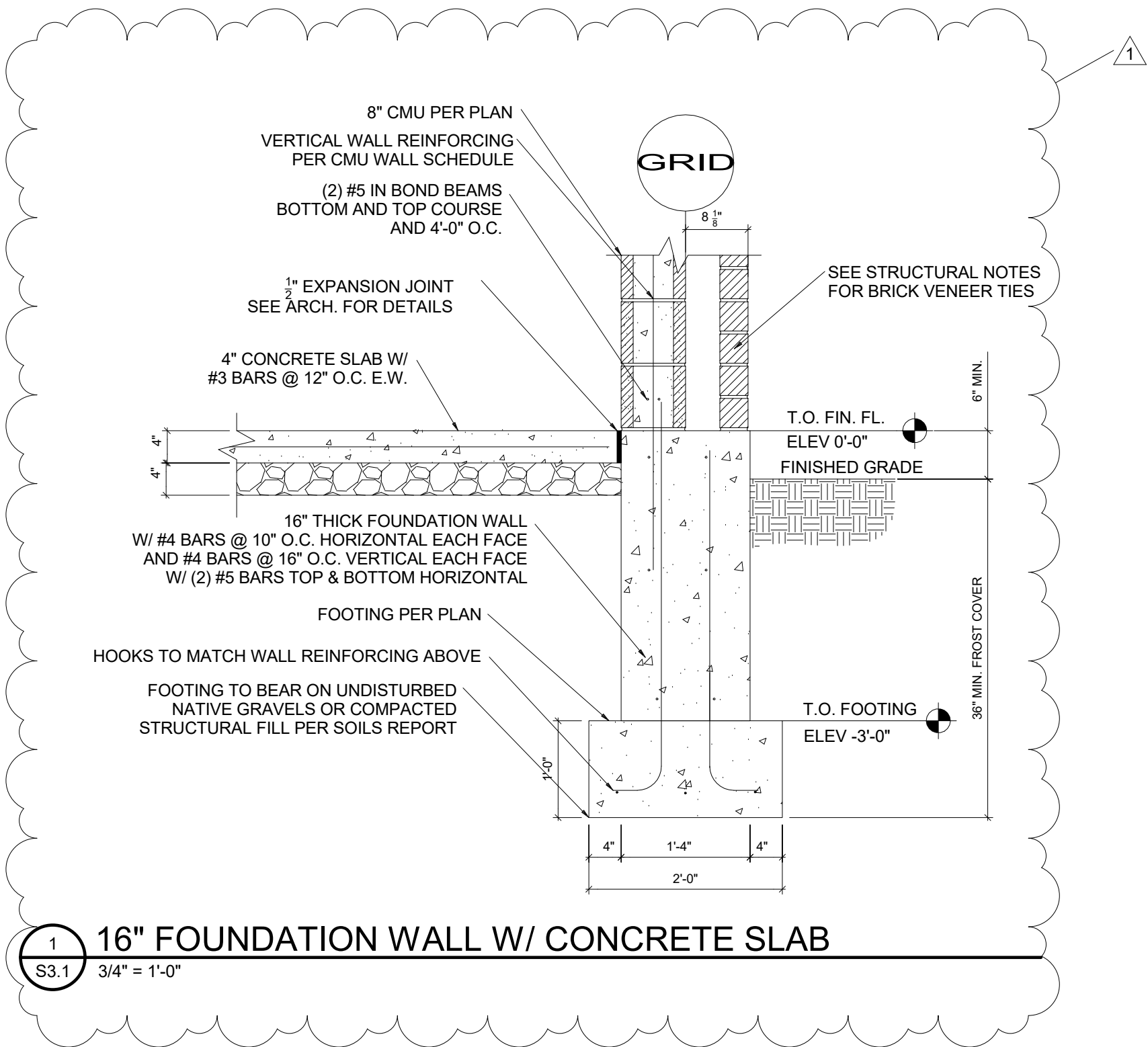
TETON SCHOOL DISTRICT 401  
TETON HIGH SCHOOL ADDITIONS



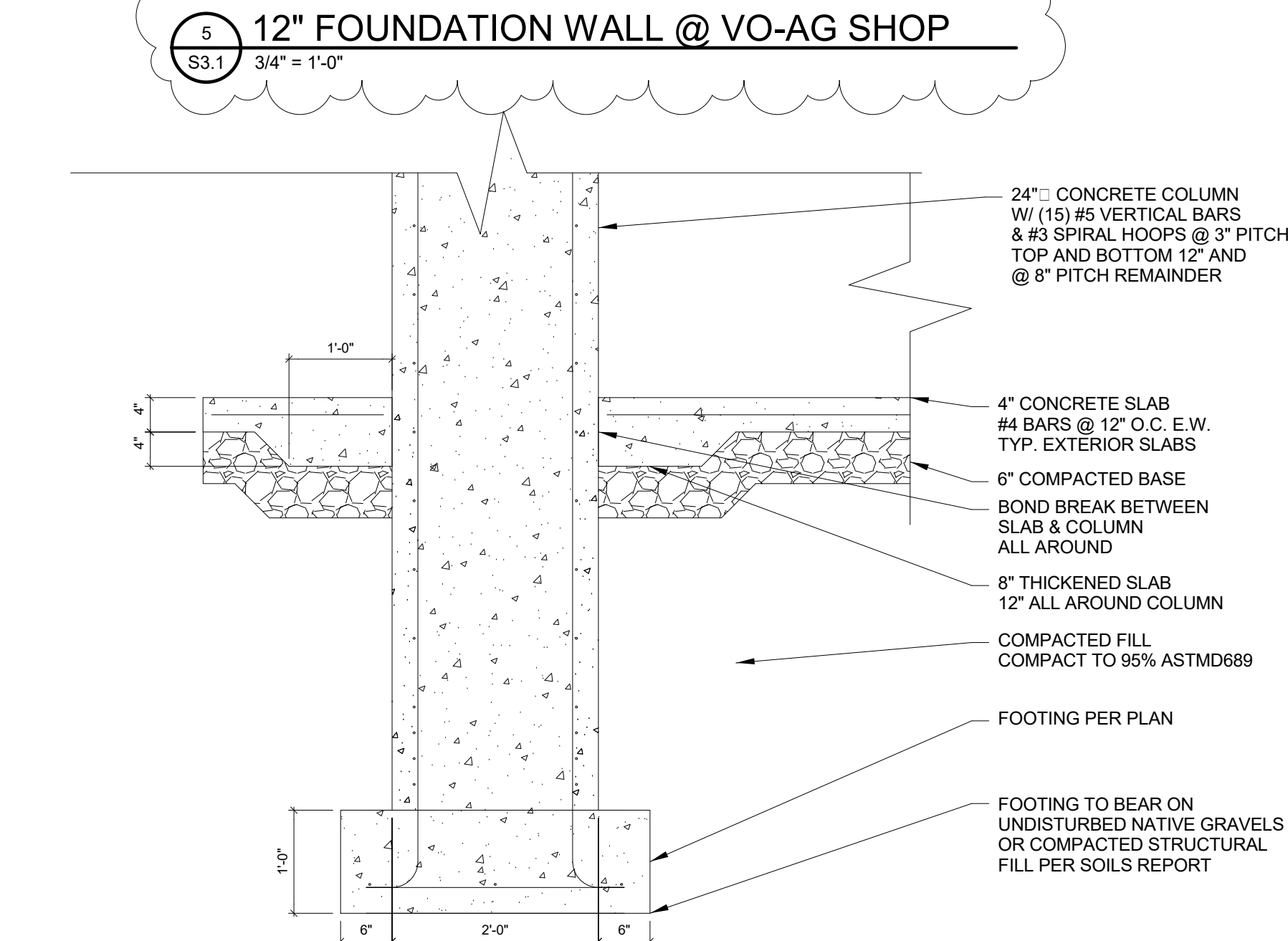
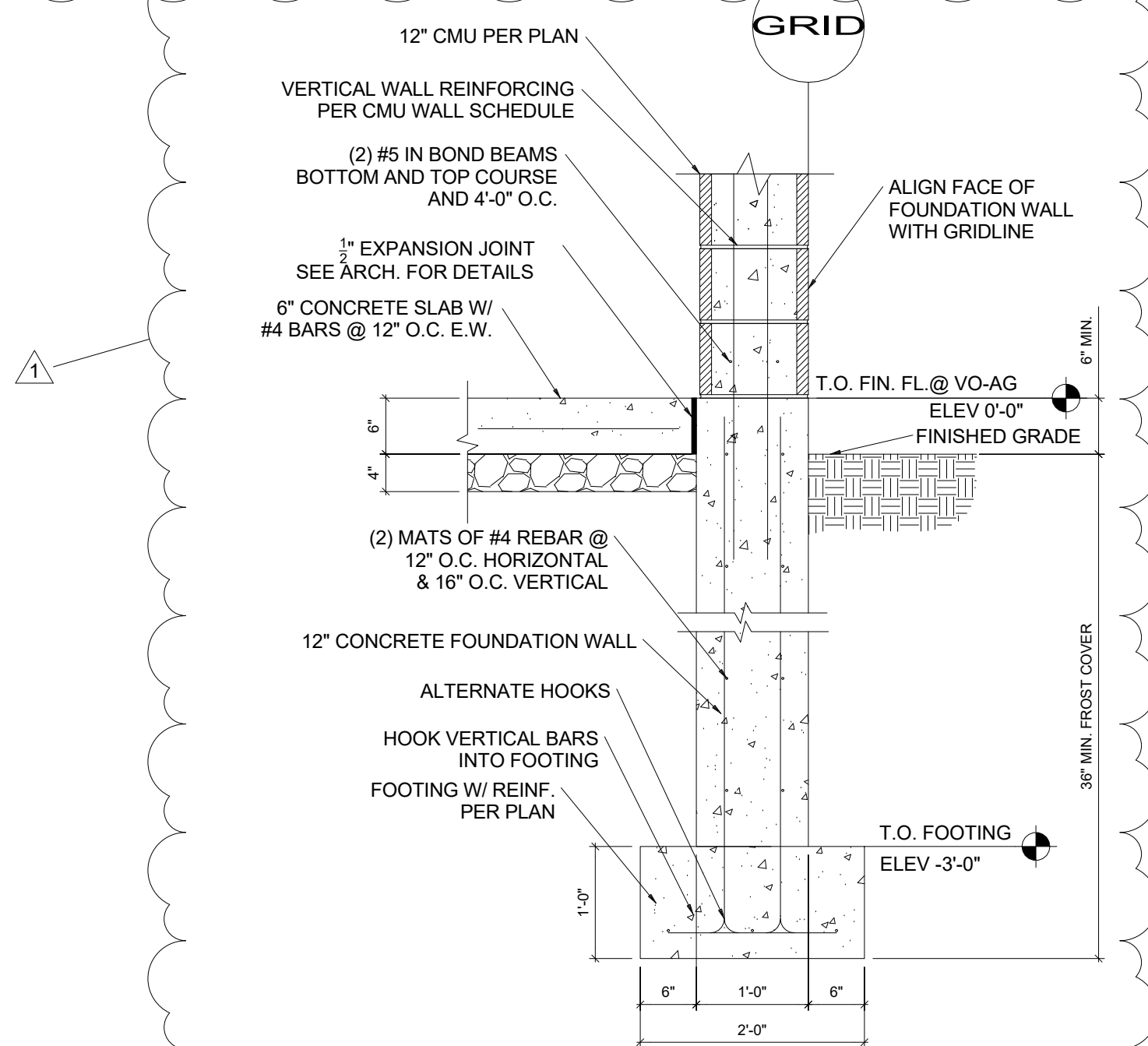
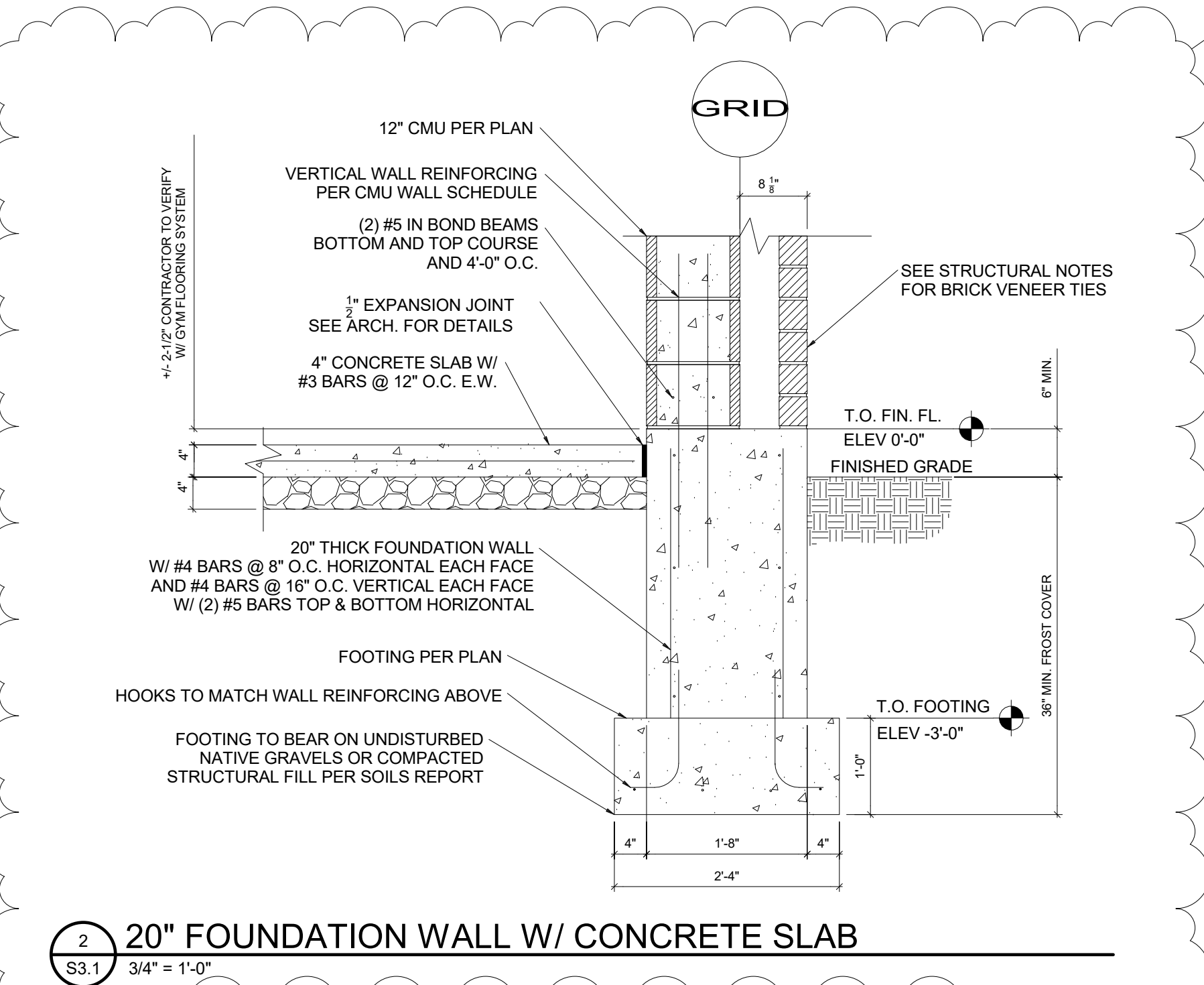
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no.	description	date
1	Addendum #1	04/08/2019

project: 1726  
date: 2/22/2019  
ADDITION  
FOUNDATION  
PLAN

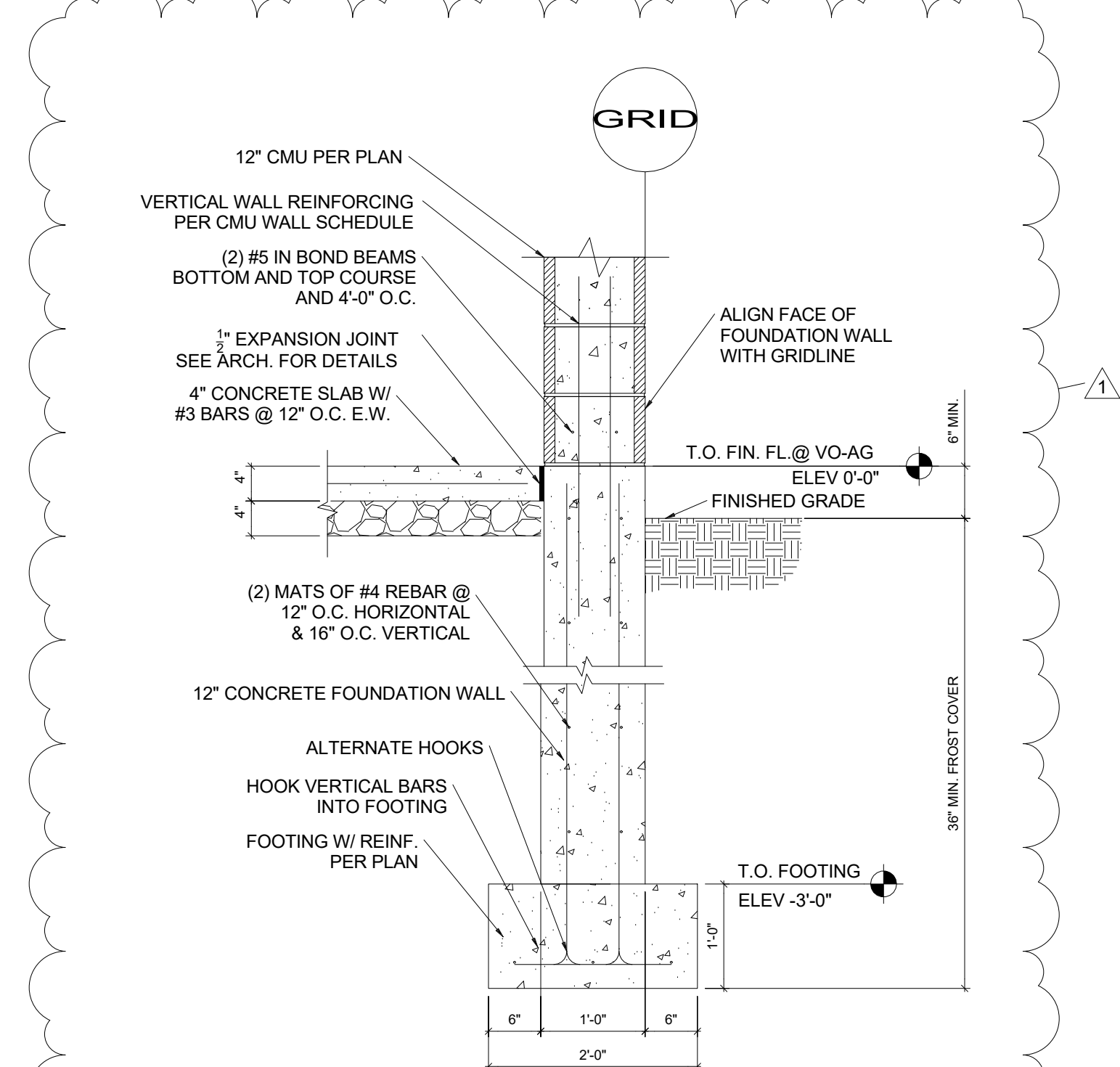
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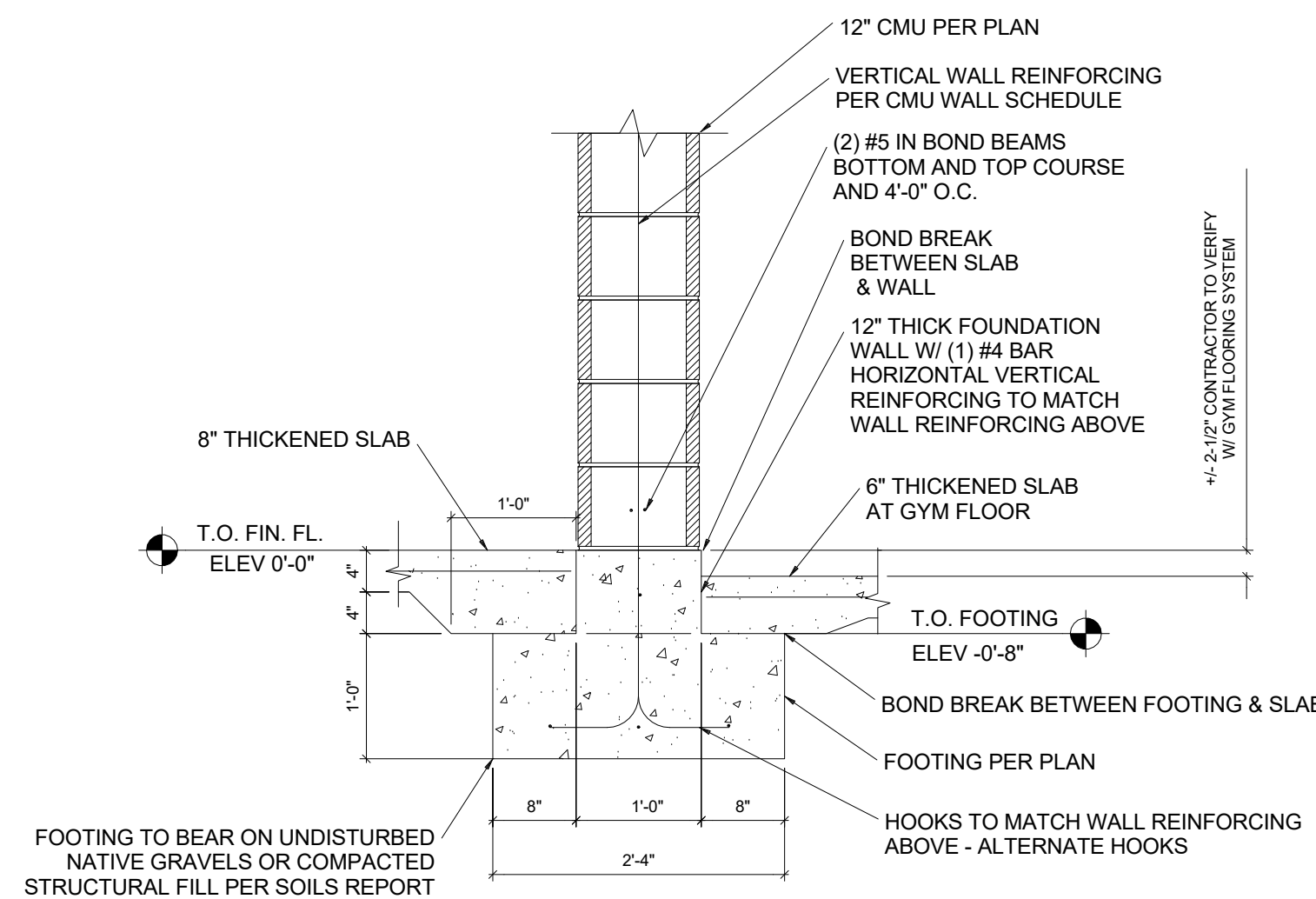
**7 8" INTERIOR BEARING WALL**  
S3.1 3/4" = 1'-0"



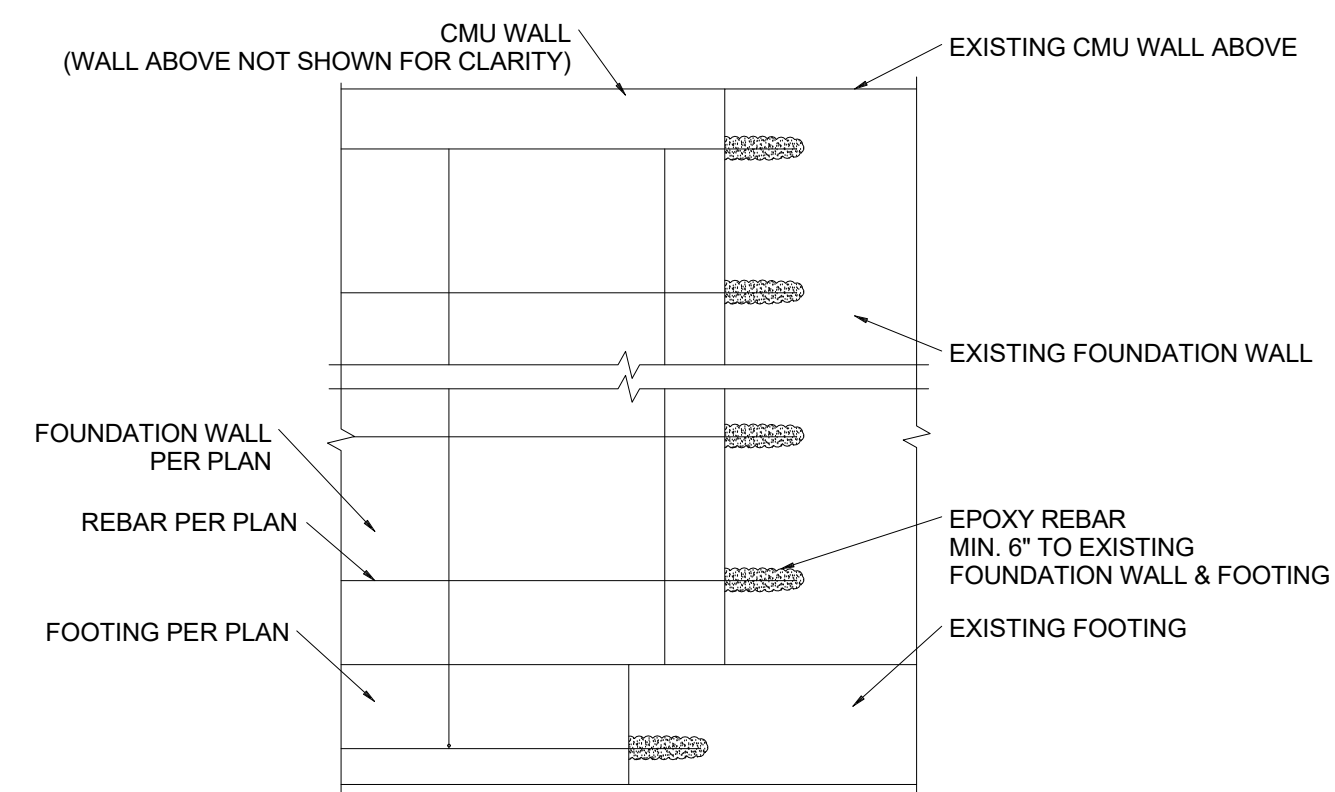
**8 COLUMN FOUNDATION DETAIL**  
S3.1 3/4" = 1'-0"



**3 12" FOUNDATION WALL @ VO-AG CLASSROOM**  
S3.1 3/4" = 1'-0"



**6 12" INTERIOR BEARING WALL @ GYM**  
S3.1 3/4" = 1'-0"



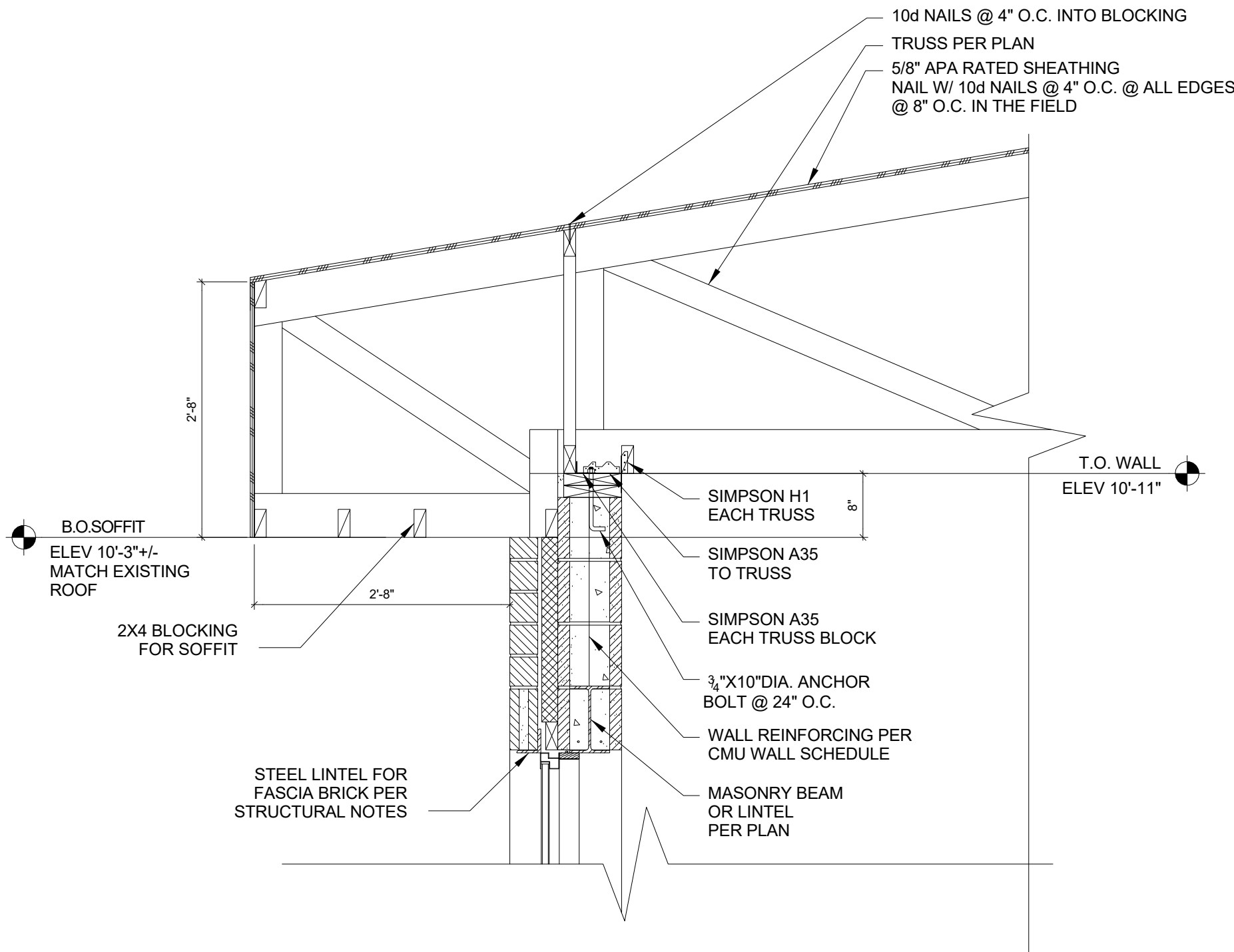
**9 EXISTING FOUNDATION WALL JOINT**  
S3.1 3/4" = 1'-0"

revisions		
no.	description	date
1	Addendum #1	04/08/2019

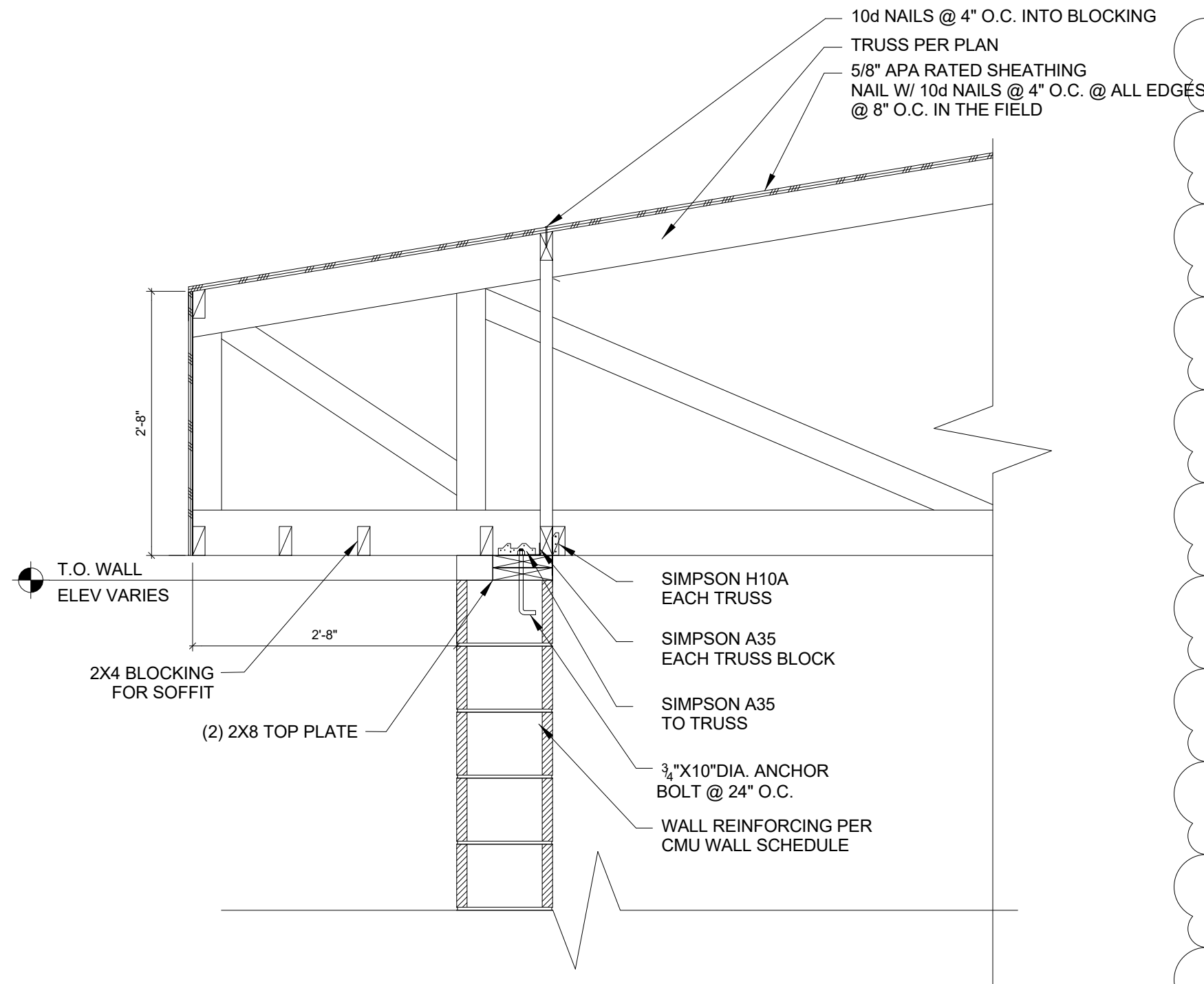
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date: 2/22/2019

STRUCTURAL DETAILS

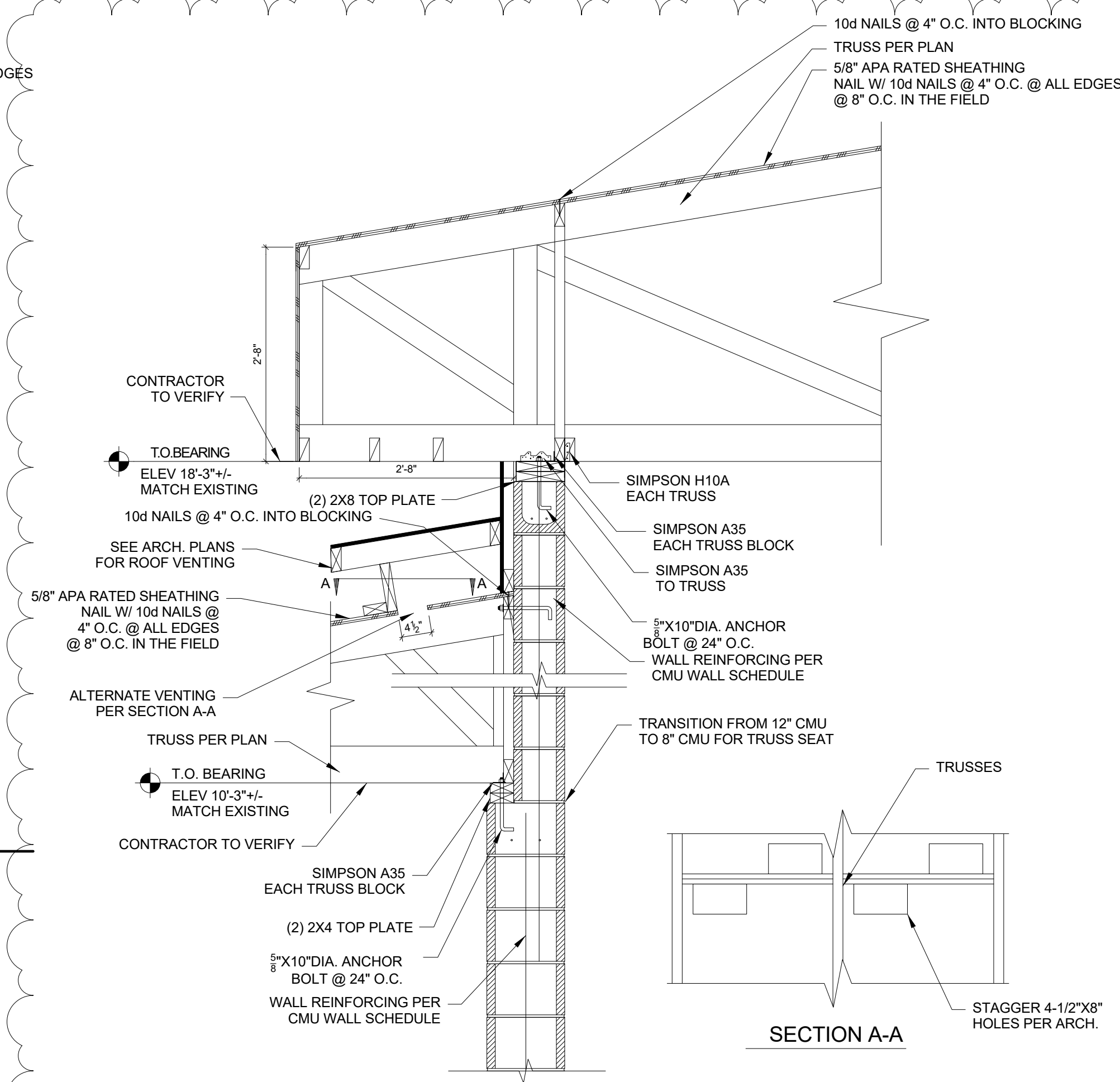
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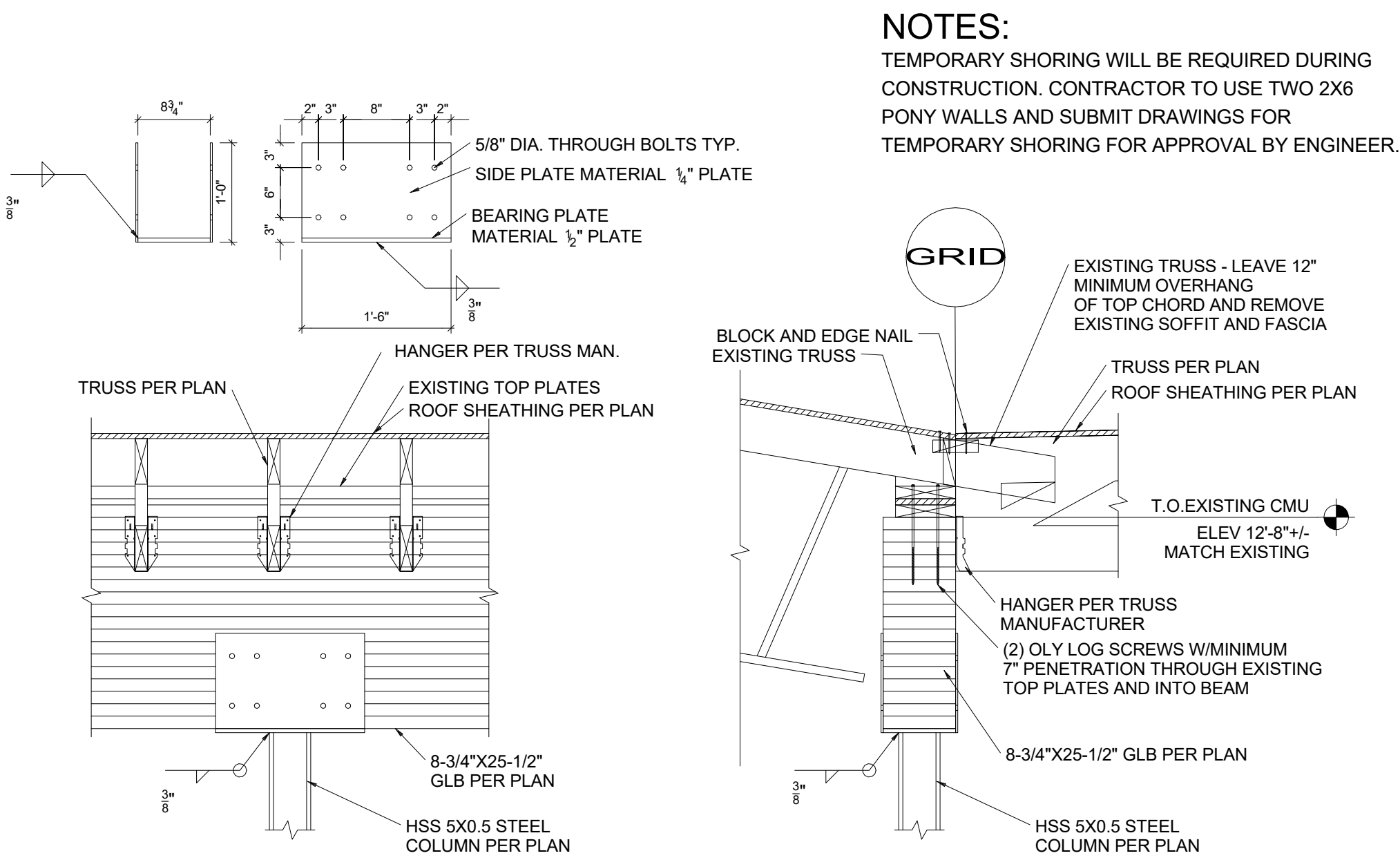
1 TRUSS CONNECTION @ CLASS ADDITION  
S3.3 3/4" = 1'-0"



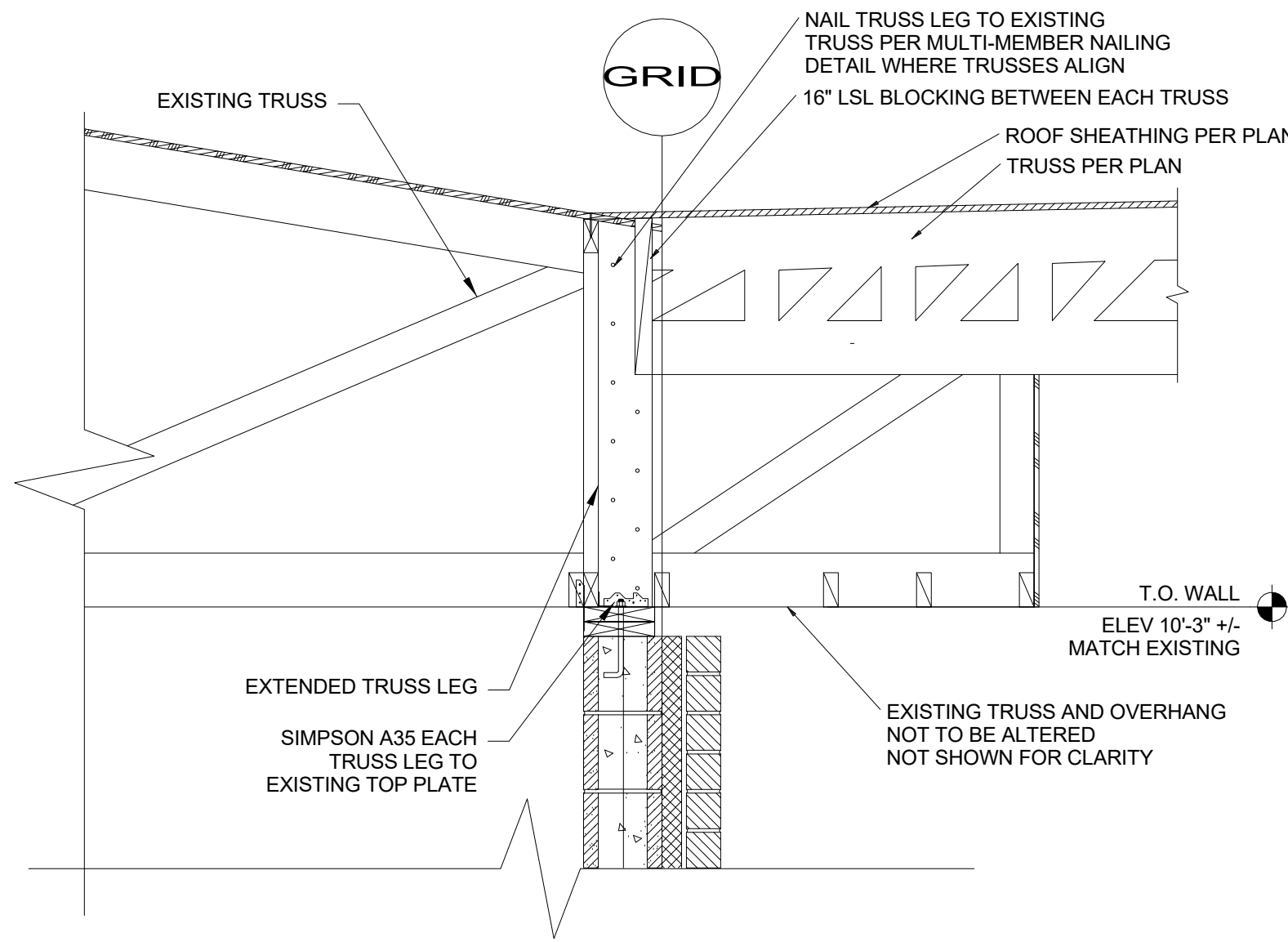
2 TRUSS CONNECTION @ VO-AG ADDITION  
S3.3 3/4" = 1'-0"



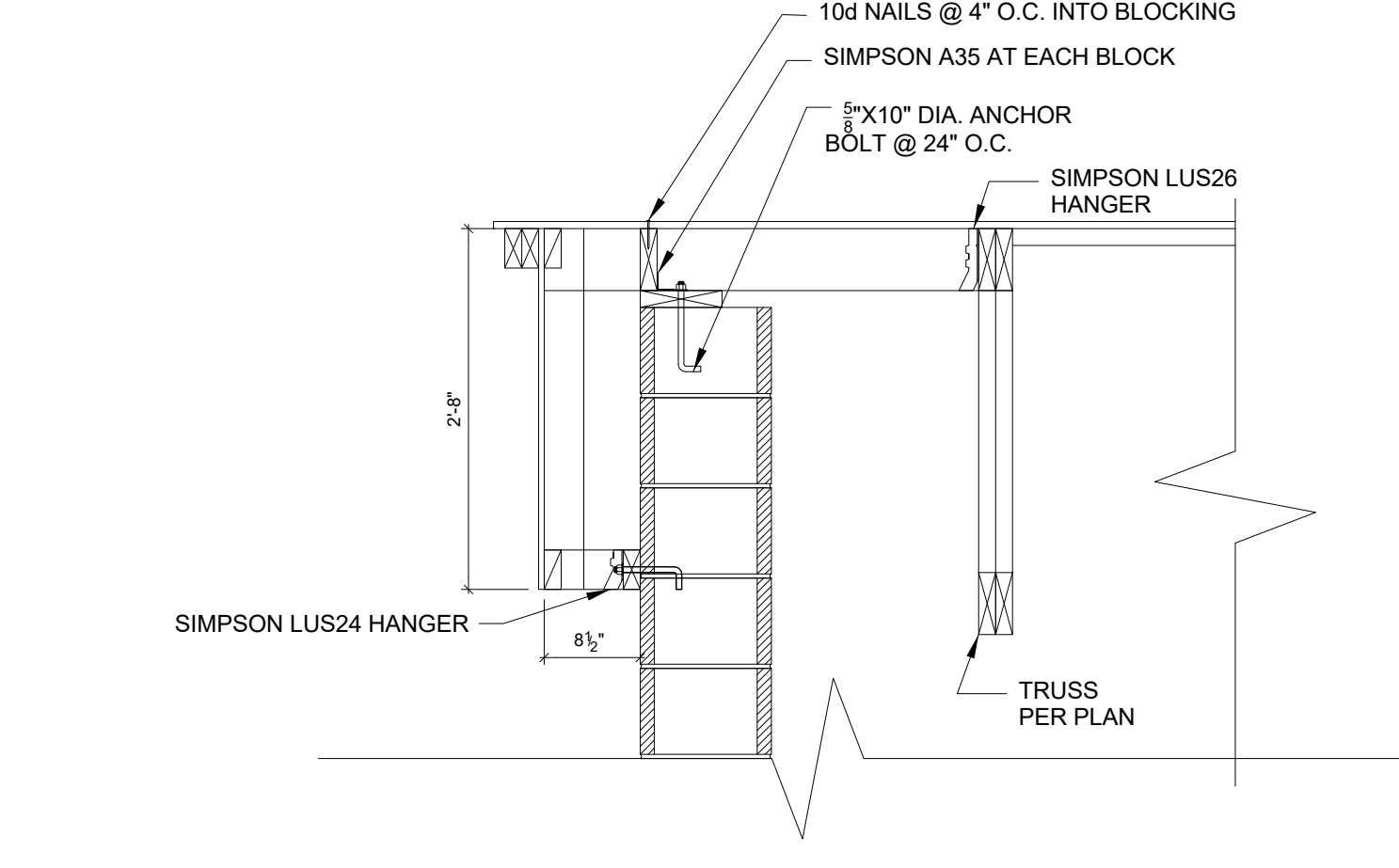
3 TRUSS CONNECTION @ VO-AG ROOF TRANSITION  
S3.3 3/4" = 1'-0"



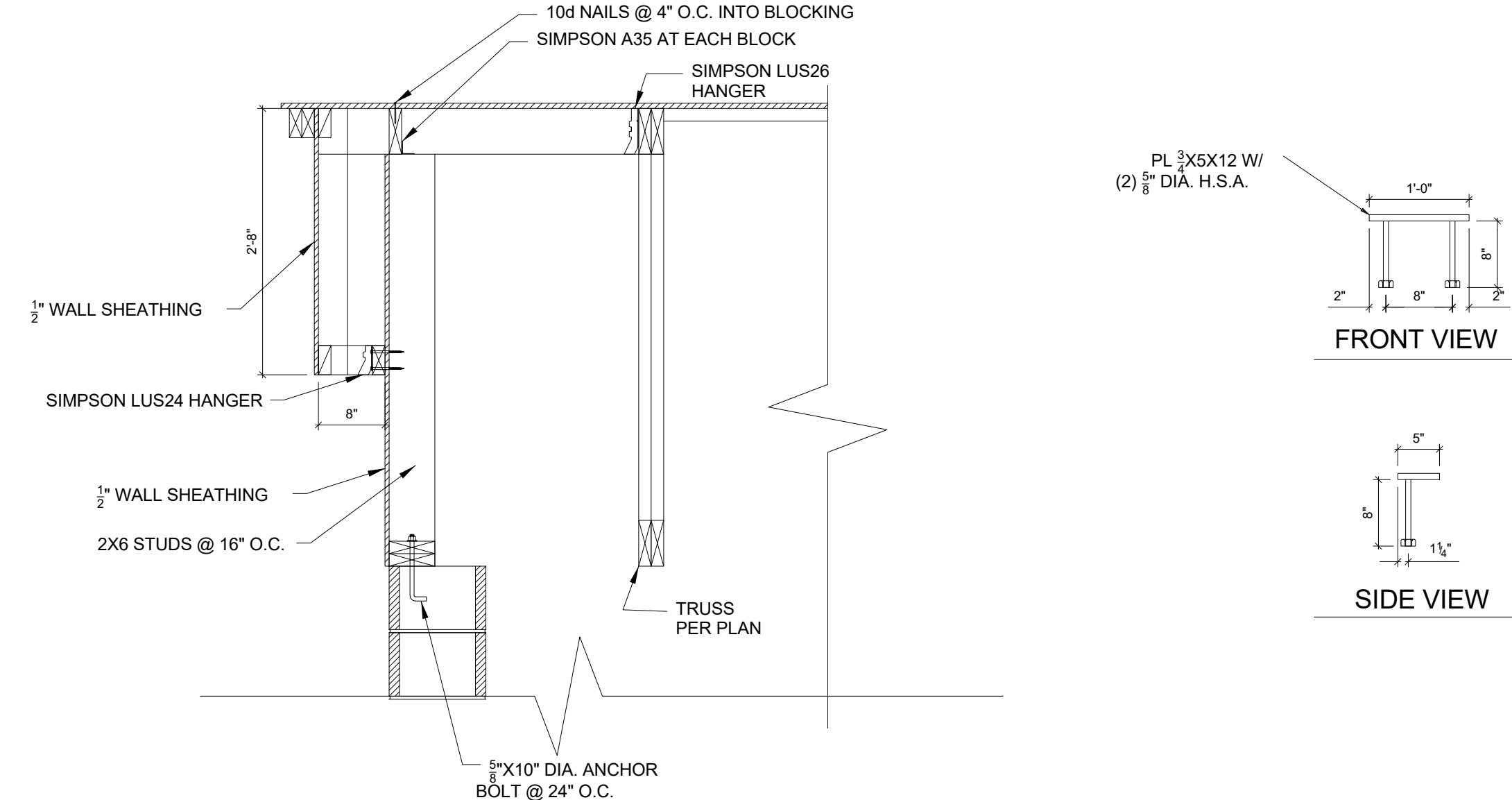
4 TRUSS CONNECTION WITH NEW BEAM TO EXISTING @ GRID I  
S3.3 3/4" = 1'-0"



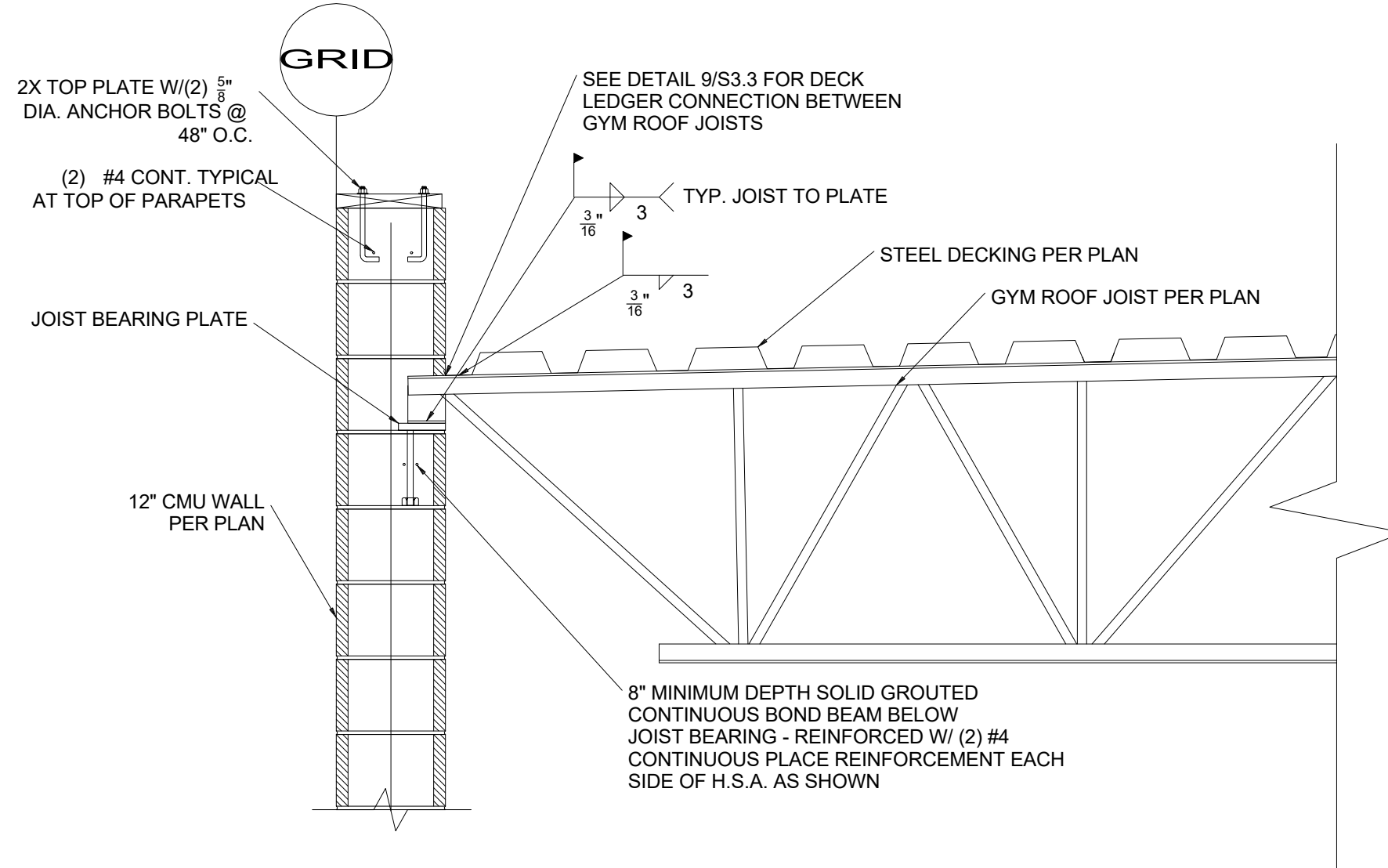
5 TRUSS CONNECTION TO EXISTING @ GRID I  
S3.3 3/4" = 1'-0"



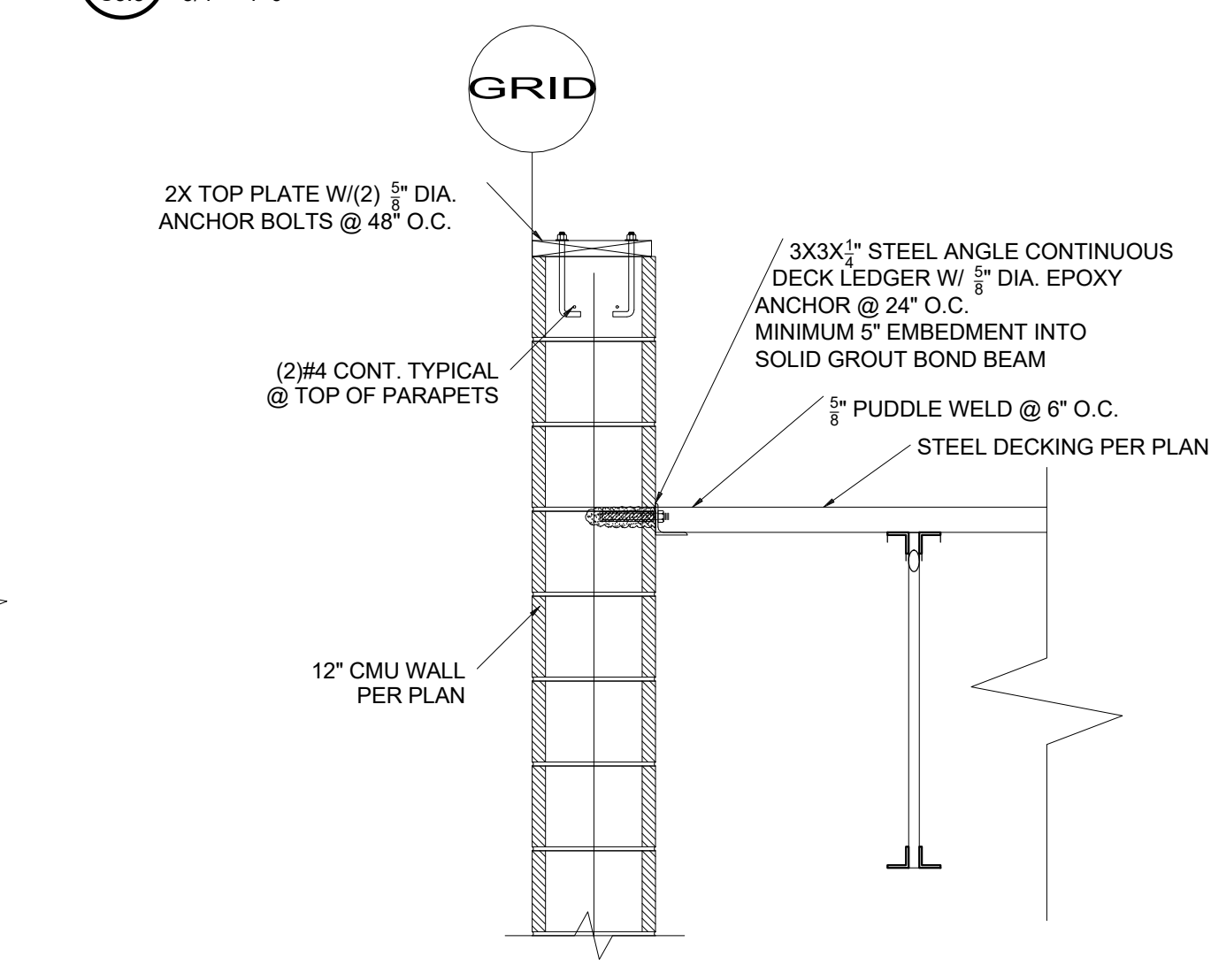
6 OUTLOOKER FRAMING AT VO-AG SHOP  
S3.3 3/4" = 1'-0"



7 OUTLOOKER FRAMING AT VO-AG CLASSROOM  
S3.3 3/4" = 1'-0"



8 GYM ROOF JOISTS BEARING  
S3.3 3/4" = 1'-0"



9 TYPICAL GYM ROOF DECK LEDGER  
S3.3 3/4" = 1'-0"

no.	description	date
1	Addendum #1	04/08/2019

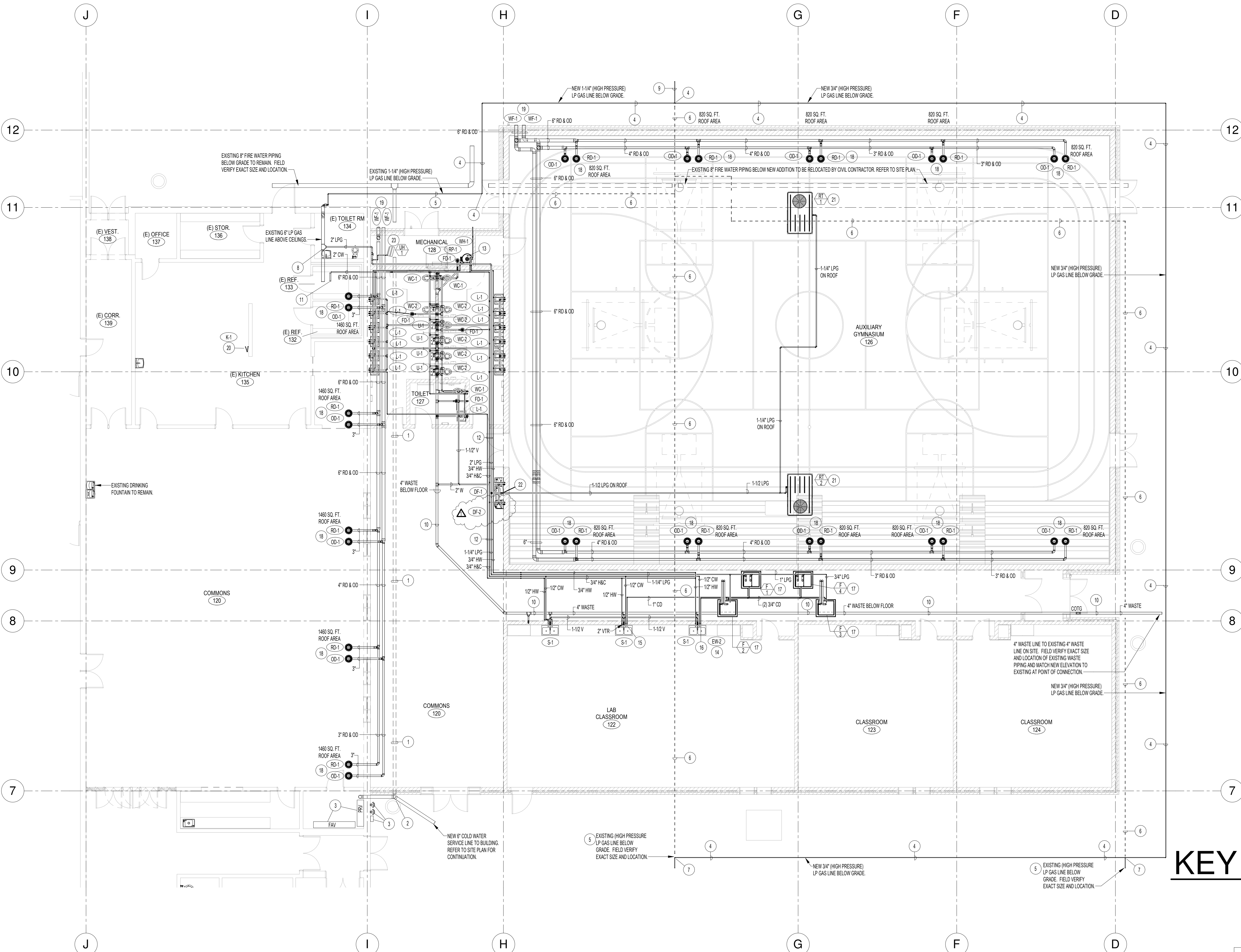
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STRUCTURAL  
DETAILS

sheet:

S3.3

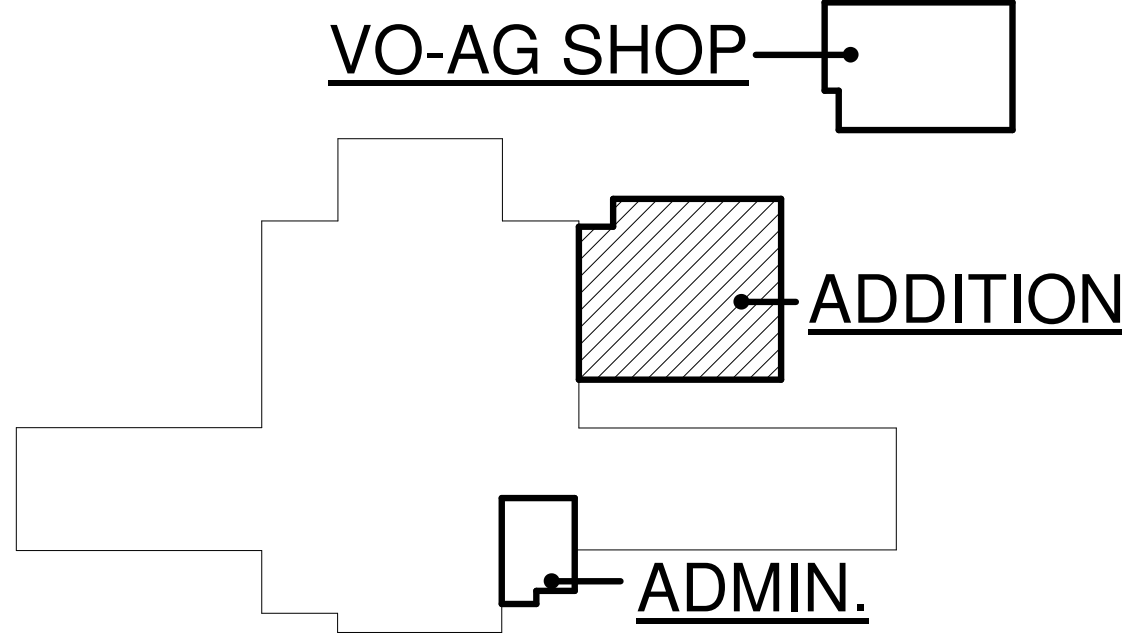




PLAN NOTES:

- REMOVE EXISTING 6" COLD WATER SERVICE LINE BELOW NEW ADDITION WITH NEW CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING. REFER TO SITE PLAN.
- CONNECT NEW 6" COLD WATER LINE TO EXISTING 6" SERVICE LINE AS IT ENTERS THE BUILDING BY FIRE ALARM VALVE AND RISER, AND THE DOMESTIC WATER PRTV STATION. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING. REFER TO SITE PLAN.
- EXISTING FIRE ALARM GONG AND (2) SAMESE FIRE DEPARTMENT CONNECTIONS. TO REMAIN. COORDINATE WITH NEW CONSTRUCTION AND RELOCATE.
- INTERUPT EXISTING LP GAS PIPING BELOW GRADE IN THIS AREA. CONNECT NEW LP GAS LINE (HIGH PRESSURE) TO EXISTING AND RE-ROUTE LINE AROUND NEW BUILDING ADDITION. CONTRACTOR TO FIELD VERIFY EXACT SIZE, LOCATION AND DEPTH OF EXISTING LP GAS LINE. NEW PIPING TO MATCH SIZE AND MATERIAL OF EXISTING PIPING. REFER TO SITE PLAN.
- EXISTING HIGH PRESSURE LP GAS LINE BELOW GRADE TO REMAIN. PROTECT DURING CONSTRUCTION. CONNECT TO NEW PIPING AS SHOWN. CONTRACTOR TO FIELD VERIFY EXACT SIZE, LOCATION AND DEPTH OF EXISTING PIPING. REFER TO SITE PLAN.
- EXISTING LP GAS PIPING BELOW NEW BUILDING ADDITION TO BE REMOVED. REFER TO NOTES 4 & 5 FOR RE-ROUTING OF GAS PIPING AROUND ADDITION. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATIONS OF ALL EXISTING GAS PIPING BELOW GRADE. CONSULT ENGINEER IF ANY EXISTING GAS LINES ARE FOUND THAT ARE NOT SHOWN ON THESE PLANS. REFER TO SITE PLAN.
- CONNECT NEW LP GAS PIPING TO EXISTING WHERE SHOWN. RUN NEW PIPING BELOW GRADE AS SHOWN TO AVOID NEW BUILDING ADDITION. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING.
- CONNECT NEW 2" LOW PRESSURE LP GAS LINE TO EXISTING ABOVE CEILING OF TOILET ROOM OR KITCHEN COOLERS. RUN NEW 2" PIPING TO EQUIPMENT IN MECHANICAL ROOM AS SHOWN. PROVIDE ISOLATION VALVE IN 2" LINE. LOCATE VALVE IN ACCESSIBLE LOCATION.
- EXISTING 1-1/4" (HIGH PRESSURE) LP GAS LINE TO EXISTING PROPANE TANK ON SITE. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF PIPING AND PROTECT DURING CONSTRUCTION. REFER TO SITE PLAN.
- RUN WASTE PIPING BELOW FLOOR. GRADE AT 1/4" PER FOOT SLOPE. COORDINATE WITH EXISTING WASTE LINE, FOOTINGS AND FOUNDATIONS WALLS.
- CONNECT NEW 2" COLD WATER LINE TO EXISTING 2" COLD WATER OR LARGE ABOVE KITCHEN CEILING. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING COLD WATER PIPING ABOVE KITCHEN CEILING. PROVIDE SHUT-OFF VALVE IN NEW LINE AT POINT OF CONNECTION.
- RUN WATER PIPING ABOVE CEILINGS AS SHOWN TO NEW ADDITION. COORDINATE WITH ROOF STRUCTURE AND DUCTWORK. (REFER TO SHEET M1.1)
- PROVIDE AND INSTALL ELECTRIC WATER HEATERS AS SPECIFIED. REFER TO DETAIL LP3.1 FOR TYPICAL PIPING CONNECTIONS.
- PROVIDE AND INSTALL DECK MOUNTED EMERGENCY EYE WASH STATION AS SPECIFIED. REFER TO DETAIL KP3.1 FOR TYPICAL INSTALLATION.
- DROP 1" CONDENSATE DRAIN LINE FROM FURNACES DOWN IN WALL TO BELOW COUNTERTOP. CONNECT TO SINK SIDE OF P-TRAP WITH DISHWASHER TYPE FITTING. REFER TO DETAIL MP3.1 FOR TYPICAL CONNECTION.
- DROP 1" CONDENSATE DRAIN LINE FROM DRAIN PANS DOWN IN WALL TO BELOW COUNTERTOP. CONNECT TO SINK SIDE OF P-TRAP WITH DISHWASHER TYPE FITTING. REFER TO DETAIL MP3.1 FOR TYPICAL CONNECTION.
- FURNACE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT 3/4" LP GAS LINE WITH SHUT-OFF VALVE AND FLEXIBLE HOSE. REFER TO DETAIL HP3.1 FOR TYPICAL LP GAS LINE CONNECTION. CONNECT 3/4" CONDENSATE DRAIN LINE TO FURNACE. CONNECT 3/4" DRAIN LINE TO SHEET METAL DRAIN PAN BELOW UNIT. RUN DRAIN LINE SEPARATELY FROM CONDENSATE DRAIN LINE. RUN (2) DRAIN LINES ABOVE CEILINGS AS SHOWN.
- PROVIDE AND INSTALL ROOF DRAINS AND OVERFLOW DRAINS AS SPECIFIED. RUN PIPING THRU ROOF JOIST SPACE AT 1/8" SLOPE PER FOOT. COORDINATE ACTUAL ROUTING OF PIPING WITH ROOF JOISTS PROVIDED. REFER TO DETAIL CP3.1 FOR TYPICAL INSTALLATION.
- DROP 6" ROOF DRAIN LINE DOWN WALL. EXTEND OUT TO WALL FLANGE AT 18" ABOVE FLOOR. EXTEND OVERFLOW DRAIN LINE THRU EXTERIOR WALL AS HIGH AS POSSIBLE AND CONNECT TO WALL FLANGE. COORDINATE ACTUAL PIPING LOCATIONS WITH BUILDING STRUCTURE AND BLOCK COURSING. SEAL WALL PENETRATION WATER TIGHT.
- PROVIDE AND INSTALL POT FILLER FAUCET AS SPECIFIED. CONNECT NEW FAUCET TO EXISTING 3/4" (OR LARGER) COLD WATER LINE IN KITCHEN. CONTRACTOR TO FIELD VERIFY EXACT SIZES AND LOCATIONS OF ALL EXISTING WATER PIPING IN KITCHEN. PROVIDE NEW PIPING AND FITTINGS AS REQUIRED TO MAKE CONNECTION.
- MECHANICAL EQUIPMENT FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT LP GAS LINE WITH SHUT-OFF VALVE AND FLEXIBLE HOSE. REFER TO DETAIL HP3.1 FOR TYPICAL CONNECTION OF LP GAS PIPING. FIELD VERIFY EXACT LINE SIZE REQUIRED FOR CONNECTION. ALL VALVES TO BE SAME SIZE AS INDICATED ON PLAN.
- RISE 1-1/2" LP GAS LINE UP WALL TO HIGHER GYM ROOF. SECURE PIPING TO WALL WITH PIPE CLAMPS SPACE AT 8'-0" MAXIMUM SPACING.
- LP GAS FIRED UNIT HEATER TO BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT 3/4" LP GAS LINE WITH SHUT-OFF VALVE AND FLEXIBLE HOSE. REFER TO DETAIL HP3.1 FOR TYPICAL GAS LINE CONNECTION.

KEY PLAN



ADDITION PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"



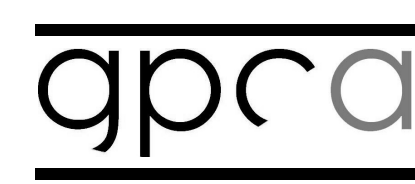
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TETON SCHOOL DISTRICT 401  
TETON HIGH SCHOOL ADDITION



revisions		
no.	description	date
1	ADDENDUM #1	04/08/2019

project: 18003  
date: 02/22/2019

ADDITION  
PLUMBING  
FLOOR PLAN

sheet:

P1.1



THIS TYPE (COLD EXPANSION) OF FITTING REQUIRES THAT THE PEX PIPING, WITH REINFORCING PEX RING PLACED OVER THE END OF PIPING BEFORE THE END OF THE PIPE IS EXPANDED BEFORE THE FITTING IS INSERTED INTO THE PIPE END. THE EXPANDED PIPE END IS ALLOWED TO RETRACT ONTO THE FITTING TO FORM THE SEAL. THE MEMORY OF THE PIPE ALLOWS IT TO TIGHTEN OVER THE FITTING. AN EXPANDER TOOL IS REQUIRED TO EXPAND THE PIPE AND THE PEX RING TOGETHER.

ALL JOINTS (TEES, ELBOWS, COUPLINGS, ETC.) ARE JOINTED SIMILARLY.

NOTE:  
STAINLESS STEEL CAMP BANDS ARE ALSO PERMITTED FOR REINFORCING RING.

PEX PIPING AS SHOWN ON PLANS

WALL STUD (WOOD OR METAL SIMILAR)

PEX PIPING

NAIL PLATE

WALL INSTALLATION

PIPE SUPPORTS:  
PLASTIC HANGERS AND STRAPS ARE RECOMMENDED, BUT METAL SUPPORTS WHICH ARE DESIGNED FOR USE WITH PLASTIC TUBING CAN BE USED. DO NOT USE SUPPORTS THAT PINCH OR CUT THE TUBING. SUPPORT SHOULD ALLOW FREE TUBING MOVEMENT. INSPECT ALL SUPPORTS PRIOR TO INSTALLATION TO ENSURE THAT SHARP EDGES DO NOT EXIST THAT CAN DAMAGE THE TUBING

WOOD STUD

METAL STUD

APPROVED BUSHING

CLAMP

PIPE SUPPORTS

CLAMP AT TURN

DO NOT USE IN ANY APPLICATION WHERE TUBING WILL BE EXPOSED TO DIRECT SUNLIGHT.

3'-0"

ROOF DRAIN

36" SQUARE FLASHING UNDER SINGLE PLY ROOF MEMBRANE

RIGID INSULATION

OVERFLOW DRAIN

2" HIGH WATER DAM

ROOF DECK

UNDERDECK CLAMP

OVERFLOW LINE

RDL

WALL

1/2" AIR PIPING

BALL TYPE SHUT-OFF VALVE

SECURE TO WALL WITH PIPE CLAMP

HOSE CLAMP

FLEXIBLE HOSE TO EQUIPMENT

DEVILBISS MODEL P-HC-235 'QUICK-CONNECT' COUPLING OR APPROVED EQUAL

MALE END TO BE SUPPLIED WITH EQUIPMENT.

MOUNT AT 48" ABOVE FLOOR

A

PEX PIPE FITTING DETAIL

NO SCALE

B

PEX PIPE INSTALLATION DETAIL

NO SCALE

C

ROOF DRAIN DETAIL

NO SCALE

D

COMPRESSED AIR COUPLER DETAIL

NO SCALE

E

HOSE BIBB INSTALLATION DETAIL

NO SCALE

F

CATCH BASIN CONSTRUCTION DETAIL

NO SCALE

G

CLEAN OUT DETAILS

NO SCALE

H

GAS LINE CONNECTION DETAIL

NO SCALE

J

EYE WASH PIPING DETAIL

NO SCALE

L

WATER HEATER PIPING DIAGRAM

NO SCALE

K

DECK MOUNTED EMERGENCY EYE WASH

NO SCALE

M

CONDENSATE DRAIN CONNECTION DETAIL

NO SCALE

SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
AC-1	AIR OUTLET - DEVILBISS MODEL P-HC-235 QUICK CONNECT HOSE COUPLING WITH V1-256 SHUT-OFF VALVE AND 1/2" SUPPLY LINE. REFER TO DETAIL D/P3.1 FOR TYPICAL INSTALLATION.	---	1/2"	---	---
DF-1	BI-LEVEL DRINKING FOUNTAIN - ELKAYEZSL8C WITH FRONT AND SIDE EASY TOUCH CONTROLS, FLEXI-GUARD BUBBLES, 1/2" STOP VALVE AND 1-1/2" P-TRAP (12060/1)	---	1/2"	1-1/2"	1-1/2"
DF-2	SINGLE DRINKING FOUNTAIN WITH BOTTLE FILLER - ELKAY LZS8WSL5 COMPLETE WITH BOTTLE FILLER AND CANE GUARD, FLEXI-GUARD BUBBLES, 1/2" STOP VALVE AND 1-1/2" P-TRAP (12060/1)	---	1/2"	1-1/2"	1-1/2"
EW-1	EMERGENCY EYEWASH STATION - HAWS 7200B1 WITH PUSH-OPEN BALL VALVE, EYEWASH BOWL, 1/2" SUPPLY LINE AND 1-1/2" WASTE LINE WITH P-TRAP. REFER TO DETAIL J/P3.1 FOR TYPICAL INSTALLATION.	---	1/2"	1-1/2"	1-1/2"
EW-2	DECK MOUNTED EMERGENCY EYE WASH STATION - HAWS 7610 WITH SINGLE ACTION PULL DOWN VALVE BODY, 1/2" SUPPLY LINE AND DUST COVERS ON WASH HEADS. MOUNT WITH CORRECT ACCESSIBILITY FOR ADA ACCESS. REFER TO DETAIL K/P2.2 FOR TYPICAL INSTALLATION.	---	1/2"	---	---
FD-1	2" FLOOR DRAIN - ZURN Z-400-S5 WITH 5"x5" NICKEL-BRONZE, SQUARE STRAINER AND 2" DEEP SEAL P-TRAP. RUN 1/2" COLD WATER LINE TO TRAP PRIMER.	---	1/2"	2"	2"
FS-1	FLOOR SINK - ZURN Z-1900-2 WITH HALF GRATE, DOME STRAINER, WHITE ENAMEL FINISH AND 4" DEEP SEAL P-TRAP.	---	---	4"	2"
HB-1	EXTERIOR HOSE BIBB - ZURN Z-1310 "ECOLOTROL" WITH REMOVABLE HANDLE AND VACUUM BREAKER. LENGTH TO SUIT WALL THICKNESS.	---	3/4"	---	---
HB-2	INTERIOR HOSE BIBB - PRIER MODEL C255NP-50 WITH ANTI-SIPHON ANGLED SILL FAUCET WITH HOSE THREADED VACUUM BREAKER AND LOOSE KEY HANDLE.	---	1/2"	---	---
K-1	POT FILLER FAUCET - FISCHER MODEL 5730 WALL MOUNTED POT FILLER WITH DOUBLE-JOINTED CONTROL SPOUT WITH 29 GPM FLOW AND CROSS HANDLE. CONNECT TO EXISTING 3/4" (OR LARGER) COLD WATER IN KITCHEN AREA.	---	3/4"	---	---
L-1	WALL MOUNTED LAVATORY - KOHLER K-2032-N (SIZE 20x18) "GREENWICH" WITH K-7715 OPEN GRID STRAINER, SLOAN EBF-85 INFRARED FAUCET (BATTERY), 1/2" STOPS, 1-1/2" P-TRAP, AND WALL CARRIER. PROVIDE INSULATING JACKET ON WASTE AND HOT WATER LINES.	1/2"	1/2"	1-1/2"	1-1/2"

SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
OD-1	3" OVERFLOW DRAIN - JAY R. SMITH MODEL 1080 WITH UNDER DECK CLAMP, DOME STRAINER, 2" HIGH WATER DAM, AND 3" DRAIN LINE CONNECTION. REFER TO DETAIL C/P3.1 FOR TYPICAL INSTALLATION.	---	---	3"	---
RD-1	3" ROOF DRAIN - JAY R. SMITH MODEL 1010 WITH UNDER DECK CLAMP, DOME STRAINER, AND 3" DRAIN LINE CONNECTION. REFER TO DETAIL C/P3.1 FOR TYPICAL INSTALLATION.	---	---	3"	---
RP-1	HOT WATER RECIRC. PUMP - B&G SERIES LR-20BF "LITTLE RED" WITH 4 GPM FLOW AT 8' HEAD AND 3/4" LINE CONNECTIONS. MOUNT NEAR WATER HEATER. REFER TO DETAIL J/P3.1 FOR TYPICAL PIPE CONNECTIONS TO WATER HEATER.	---	3/4"	---	---
S-1	DOUBLE COMPARTMENT SINK - ELKAY MODEL DPC3322 WITH LK1000CR LEVER HANDLE FAUCET, LK-35 DUO-STRAINERS, 1/2" STOPS, AND 1-1/2" P-TRAP.	1/2"	1/2"	1-1/2"	1-1/2"
TP-1	TRAP PRIMER - ZURN Z-1022XL IN-LINE PRIMER. MOUNT RECESSED IN WALL BELOW SINK WHERE SHOWN ON PLANS. RUN 1/2" COLD WATER LINE BELOW FLOOR TO FLOOR DRAIN.	---	1/2"	---	---
U-1	URINAL - KOHLER K-4989T "FRESHMAN" WITH SLOAN 8180 "OPTIMA" AUTOMATIC FLUSH VALVE AND WALL CARRIER. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.	---	3/4"	2"	2"
WC-1	ADA FLUSH VALVE WATER CLOSET - KOHLER K-4368 "HIGHCLIFF" WITH ELONGATED BOWL, K-4670C OPEN FRON SEAT, SLOAN 8111 OPTIMA PLUS (BATTERY POWERED) SENSOR FLUSH VALVE AND BOLT CAPS.	---	---	---	---
WC-2	FLUSH VALVE WATER CLOSET - KOHLER K-4350 "WELLCOMME" WITH ELONGATED BOWL, K-4670-C OPEN FRONT SEAT, SLOAN 8111 OPTIMA PLUS (BATTERY POWERED) SENSOR FLUSH VALVE, AND BOLT CAPS.	---	---	---	---
WF-1	6" WALL FLANGE - JAY R. SMITH MODEL 1770 WITH ROUGH-BRONZE FINISH AND WALL FLANGE. MOUNT ROOF DRAIN LINE AT 18" ABOVE GRADE AND OVER FLOW DRAIN LINE AS HIGH AS POSSIBLE.	---	---	6"	---
WH-1	WATER HEATER - A.O. SMITH MODEL ECL-50 WITH 50 GALLON CAPACITY, (2) 4.5 KW NON-SIMULTANEOUS ELEMENTS (208/60/1), 3/4" SUPPLIES AND T&P RELIEF VALVE, THERMAL EXPANSION TANK, HEAT TRAP NIPPLES AND SYMMONS 7-200 MIXING VALVE. SEE DETAIL L/P2.1	3/4"	3/4"	---	---

18"x18" CATCH BASIN WITH HEAVY-DUTY TRAFFIC RATED GRATE.

FINISHED FLOOR

18" MIN.

18"

CAP TEE

4" WASTE

4" INLET

EARTH FILL

WATER LEVEL

18"x18"x24" POUR-IN-PLACE CONCRETE CATCH BASIN WITH TRAFFIC RATED GRATES FURNISHED AND INSTALLED BY GENERAL CONTRACTOR. PLUMBING CONTRACTOR TO EXTEND 4" WASTE LINES IN CATCH BASIN NEAR FLOOR. PROVIDE FLOOR CLEAN OUT ON WASTE LINE AND RUN TO BUILDING SAND AND GREASE SEPARATOR OR DRAIN FIELD AS SHOWN ON SITE PLAN

BRASS CLEANOUT PLUG WITH COUNTER SUNK HEAD

16" SQUARE CONC PAD TROWEL SMOOTH

FINISH GRADE

1/8 BEND

WASTE LINE. LENGTH TO SUIT.

1/8 BEND IF CLEANOUT OCCURS AT END OF LINE.

CLEANOUT TO GRADE (COTG)

CHROME WALL COVER AND SCREW

1'-0"

WALL

PLUGGED TEE WITH CLEANOUT

FLOOR LINE

1/8 BEND

BALANCE OF PIPING SAME AS CLEANOUT TO GRADE.

WALL CLEANOUT (WCO)

FRONT VIEW

SIDE VIEW

33" MIN. 45" MAX.

1-1/2" VENT

12" COLD WATER

1-1/2" P-TRAP

2" WASTE

FLOOR

SYMONS 7-200 MIXING VALVE FOR TEMPERED WATER

THERMOMETER

HOT WATER LINE

DIELECTRIC UNION (TYP)

HEAT TRAP FITTING

PIPE FULL SIZE TO FLOOR DRAIN

WH-1

ELECTRIC WATER HEATER

WATER HEATER ANCHOR

DRAIN VALVE W/ THREADED HOSE CONNECTION

3/4"

COLD WATER LINE

AQUASTAT

HOT WATER RECIRC

RECIRC. PUMP (RP-1)

BALL VALVE (TYPICAL)

AMTROL ST-5 EXPANSION TANK

T&P RELIEF VALVE SIZED TO MATCH WATER HEATER

SINK AND FAUCET AS SPECIFIED ON PLANS

PULL-DOWN SPRAY HEADS

PUSH HANDLE OPERATOR

COUNTER AS DETAILED BY ARCHITECT.

1/2"

1/2" COLD WATER

FLOOR

NOTE:  
ANSI STANDARD SPECIFIED EYEWASH NOZZLE HEIGHTS TO BE 33" MIN. TO 45" MAX. ABOVE FLOOR. CENTERLINE OF EYEWASH HEADS MUST BE 6" MIN. AWAY FROM WALL.

EXTEND CONDENSATE DRAIN LINE OUT OF WALL BELOW CABINET

TYPICAL COUNTERTOP SINK

DISHWASHER CONNECTION

FLOOR

TRAP

WALL

CONDENSATE DRAIN LINE DOWN IN WALL

2" VENT TO ATMOSPHERE

SANITARY TEE

NOTE:  
CONDENSATE CONNECTION TO WALL MOUNTED LAVATORY SIMILAR

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Engineered Systems Associates  
ESA JOB NUMBER 18003

TETON SCHOOL DISTRICT 401

TETON HIGH SCHOOL ADDITION

revisions

no.	description	date
A	ADDENDUM #1	04/08/2019

project: 18003

date: 02/22/2019

PLUMBING SCHEDULE AND DETAILS

sheet:

P3.1