



**ADDENDUM No. 1**  
**Request for Competitive Sealed Proposals (CSP)**  
**19CSP077 New Classroom Building at Lee Elementary School**

December 5, 2018

**Item 1: Updates to Drawings and Specifications**

**Item 1:**

Updates to Drawings and Specifications in reference to this project can be found at [planroom.millerids.com](http://planroom.millerids.com) under 19CSP077

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# AISD – LEE ELEMENTARY CLASSROOM BUILDING

## 17-0023 LEE

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ADDENDUM NO. 1

December 4, 2018

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To the DRAWINGS AND SPECIFICATIONS for

AISD Lee Elementary Classroom Building  
3308 Hampton Road  
Austin, Texas 78705

Project No. 201611500

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Architect

**GSC Architects**

901 South MoPac Expwy  
Bldg. III, Suite 400  
Austin, Texas 78746  
(512) 477-9417 FAX (512) 477-9675

Civil Engineers

**Doucet & Associates**

7401 B Hwy 71 West, Suite 160  
Austin, Texas 78735  
(512) 583-2643 FAX (800) 587-2817

Structural Engineers

**JQ+Tsen**

210 Barton Springs Road, Suite 250  
Austin, Texas 78704  
(512) 474-4001 FAX (512) 474-9179

IT/Security

**Combs Consulting Group**

4425 South MoPac,  
Building 4, Suite 800  
Austin, Texas 78735  
(210) 698-7887

Roofing

**Hollon + Cannon**

11800 Highland Oaks Trail  
Austin, Texas 78759  
(512) 300-0452

Mechanical-Electrical-Plumbing

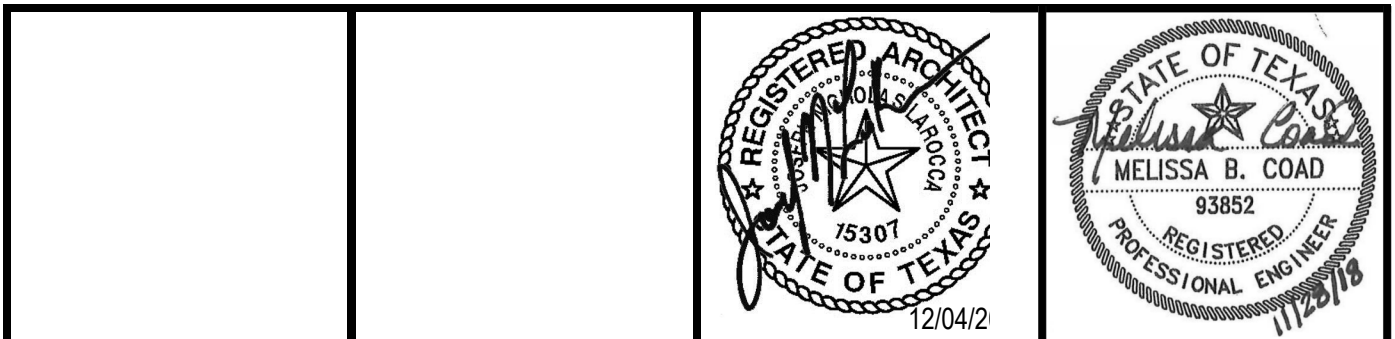
**Jones\*DBR**

7800 Shoal Creek Blvd., Suite 100-W  
Austin, Texas 78757  
(512) 637-4393 FAX (512) 637-4396

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**TO: ALL PRIME BIDDERS OF RECORD**

Acknowledge receipt of this Addendum by inserting its number in the Bidder's Proposal. Failure to do so may subject the Bidder to disqualification. This Addendum forms a part of the Contract Documents as follows:



add.doc

**DRAWINGS**

1. A00-01 PROJECT INFORMATION: addition of sheet L-1, S04-22, S05-02
2. ADD sheet: L-1 LANDSCAPE PLAN
3. A03-01 FLOOR PLAN – LEVEL 1
  - a. Remove general note #13
  - b. Projector screen to be owner furnishes and contractor installed
4. A12-01 INTERIOR ELEVATIONS: Projector to be owner furnished and contractor installed
5. A12-02 INTERIOR ELEVATIONS: Projector to be owner furnished and contractor installed
6. A14-01 REFLECTED CEILING PLAN – LEVEL 1: Projector to be owner furnished and contractor installed
7. S01-01 STRUCTURAL NOTES:
  - a. ADD: ‘Controlled backfill behind retaining walls’ notes
  - b. REVISE: Cast-In- Place notes
8. S01-03 SPECIAL INSPECTIONS: Add sheet list
9. S02-01 WIND UPLIFT AND ROOF DECK ATTACHMENT PLAN: Add detail 2/S02-01
10. S03-01 FOUNDATION PLAN:
  - a. ADD: section markers for the retaining wall
  - b. ADD: stair and ramp section markers to Plan-North stair/ramp and Plan-West stair
  - c. REVISE: Lug Elevation around perimeter of building
11. S03-02 ROOF FRAMING PLAN: Add callouts for roof top opening and roof top units
12. S04-21 TYPICAL STEEL DETAILS: Revision of structural details
13. S05-01 FOUNDATION DETAILS: Revision and addition of structural details
14. S05-11 ROOF FRAMING DETAILS: Revise detail 4/S04-11
15. P02-01 PLUMBING SCHEDULES: Revise plumbing fixture schedule

**SPECIFICATIONS**

16. SECTION 012300: Revise substantial completion date in 3.1 Schedule of alternates
17. SECTION 220201: Add section to specifications
18. SECTION 23 07 13: Revision of specification

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7. S01-01 STRUCTURAL NOTES:
  - a. ADD: 'Controlled backfill behind retaining walls' notes
  - b. REVISE: Cast-In- Place notes
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**SPECIFICATIONS**

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## **SECTION 01 23 00 - ALTERNATES**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section includes administrative and procedural requirements for alternates.

#### **1.3 DEFINITIONS**

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
  - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

#### **1.4 PROCEDURES**

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
  - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.

- D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION**

**3.1 SCHEDULE OF ALTERNATES**

1. Substantial completion date to be changed from 12/13/2019 to 08/10/2019.
  - a. ADD \_\_\_ DEDUCT \_\_\_ NO CHANGE \_\_\_ NOT APPLICABLE \_\_\_.
  - b. \_\_\_\_\_ Dollars  
(\$\_\_\_\_\_).
  - c. ADD \_\_\_ DEDUCT \_\_\_ calendar days to adjust the Contract Time for this alternate.

**3.2 SUBMISSION OF BID SUPPLEMENT**

- A. Respectfully submitted this \_\_\_ day of \_\_\_\_\_, 201\_\_.
- B. Submitted By: \_\_\_\_\_ (Name of bidding firm or corporation).
- C. Authorized Signature: \_\_\_\_\_ (Handwritten signature).
- D. Signed By: \_\_\_\_\_ (Type or print name).
  1. Title: \_\_\_\_\_

**END OF SECTION 01 23 00**

## SECTION 22 02 01 - COORDINATION DRAWINGS

### PART 1 - GENERAL

#### 1.1 GENERAL REQUIREMENTS

- A. The requirements of the General Conditions 013100 and Supplementary Conditions apply to all Work herein.

#### 1.2 COORDINATION DRAWINGS

- A. The Contractor shall take the lead in coordinating the Mechanical, Electrical, Plumbing, Communications, Electronic Safety/Security and Fire Protection systems within the building.
- B. The Mechanical Contractor shall coordinate a three-dimensional (3D) model of the building which includes the Mechanical, Electrical, Plumbing, and Fire Protection systems. The Electrical, Plumbing, and Fire Protection Contractors shall prepare their work and generate 3D models which will be given to the Mechanical Contractor for coordination. The Contractor will be provided with the REVIT model that was used to generate the contract documents, this file may be used as the background file. The Contractor shall replace the systems drawn with the actual shop drawing models. The Contractor is not limited to using REVIT, but may use any 3-D software in generating and combining the coordination model.
- C. Submitting the contract drawings as coordination drawings will not be acceptable.
- D. The model shall include detailed and accurate representations of all equipment to be installed based upon the reviewed equipment submittals.
- E. The Mechanical Contractor shall hold a 3-D coordination meeting with all sub-contractors present to review the model and discuss coordination of the installation of the building systems.
- F. Upon completion of the coordination meeting, the Contractor shall submit the 3-D model and 1/4" scale drawings for review.
- G. The model shall detail major elements, components, and systems in relationship with other systems, installations, and building components. Indicate locations where space is limited for installation and access and where sequencing and coordination of installations are of importance to the efficient flow of the Work, including (but not necessarily limited to) the following:
  - 1. Indicate the proposed locations of pipe, duct, equipment, and other materials. Include the following:
    - a. Wall and type locations.
    - b. Clearances for installing and maintaining insulation.
    - c. Locations of light fixtures and sprinkler heads.
    - d. Clearances for servicing and maintaining equipment, including tube removal, filter removal, and space for equipment disassembly required for periodic maintenance.
    - e. Equipment connections and support details.
    - f. Exterior wall and foundation penetrations.
    - g. Routing of storm and sanitary sewer piping.
    - h. Fire-rated wall and floor penetrations.

- i. Sizes and location of required concrete pads and bases.
    - j. Valve stem movement.
    - k. Structural floor, wall and roof opening sizes and details.
  2. Indicate scheduling, sequencing, movement, and positioning of large equipment into the building during construction.
  3. Prepare floor plans, elevations, and details to indicate penetrations in floors, walls, and ceilings and their relationship to other penetrations and installations.
  4. Prepare reflected ceiling plans to coordinate and integrate installations, air distribution devices, light fixtures, communication systems components, and other ceiling-mounted items.
- A. Sequence of Coordination  
Below is hierarchy of model elements and the sequencing by which the models will be coordinated.
  1. Structural and Architectural model
  2. Miscellaneous steel
  3. Perform preliminary space allocation
  4. Identify hard constraints (locations of access panels, lights, A/V space requirements, etc.)
  5. Main and medium pressure ducts from the shaft out
  6. Main graded plumbing lines and vents
  7. Sprinkler mains and branches
  8. Cold and hot water mains and branches
  9. Lighting fixtures and plumbing fixtures
  10. Smaller sized ducts and flex ducts
  11. Smaller size cold water and hot water piping, flex ducts, etc.
- B. The Contractor and Sub-Contractors shall not install any item until the coordination has been completed and reviewed by the Construction Manager, Owner, and A/E team.
- C. This Contractor shall be responsible for coordination of all items that will affect the installation of the work of this Division. This coordination shall include, but not be limited to: voltage, ampacity, capacity, electrical and piping connections, space requirements, sequence of construction, building requirements and special conditions.
- D. By submitting shop drawings on the project, this Contractor is indicating that all necessary coordination has been completed and that the systems, products and equipment submitted can be installed in the building and will operate as specified and intended, in full coordination with all other Contractors and Subcontractors.

**END OF SECTION**



## SECTION 23 07 13 - DUCT INSULATION

### PART 1 - GENERAL

#### 1.01 GENERAL REQUIREMENTS

- A. The requirements of the General Conditions and Supplementary Conditions apply to all work herein.
- B. Section 23 02 00 - Basic Materials and Methods is included as a part of this Section as though written in full in this document.

#### 1.02 WORK INCLUDED

- A. Ductwork system insulation.

#### 1.03 RELATED SECTIONS

- A. Section 23 05 13 – Common Motor Requirements for HVAC Equipment
- B. Section 23 05 53 – Identification for HVAC Piping and Equipment

#### 1.04 QUALITY ASSURANCE

- A. Installer's Qualifications: Firm with at least 5 years successful installation experience on projects with mechanical insulations similar to that required for this project.
- B. Flame/Smoke Ratings: Provide composite mechanical insulation (insulation, jackets, coverings, sealers, mastics and adhesives) with flame-spread index of 25 or less, and smoke-developed index of 50 or less, as tested by ASTM E 84 (NFPA 255) method.
  - 1. Exception: Outdoor mechanical insulation may have flame spread index of 75 and smoke developed index of 150.
- C. Duct and plenum insulation shall comply with minimum R-value requirements of 2012 International Energy Conservation Code.
- D. Adhesive and other material shall comply with NFPA and NBFU Standards No. 90A and 90B.

#### 1.05 WARRANTY

- A. Warrant the Work specified herein for one year against becoming unserviceable or causing an objectionable appearance resulting from either defective, or nonconforming materials and workmanship.
- B. Defects shall include, but not be limited to, the following:
  - 1. Mildewing.
  - 2. Peeling, cracking, and blistering.
  - 3. Condensation on exterior surfaces.

#### 1.06 SUBMITTALS

- A. SHOP DRAWINGS: Indicate size, material, and finish. Show locations and installation

procedures. Include details of joints, attachments, and clearances.

- B. PRODUCT DATA: Submit schedules, charts, literature, and illustrations to indicate the performance, fabrication procedures, project variations, and accessories. Submit product data and/or Material Safety Data Sheets (MSDS) for all adhesives and sealants, paints and coatings used inside the building's moisture barrier indicating the VOC content of each product and verifying that each product meets the requirements of Green Seal GS-11, SCAQMD Rule 1113, and SCAQMD rule 1168 as relevant.
- C. SUSTAINABLE REQUIREMENTS:
  - 1. For adhesives and sealants, documentation including printed statement of VOC content.

#### 1.07 DELIVERY, STORAGE AND HANDLING

- A. Deliver insulation, coverings, cements, adhesives, and coatings to site in unopened containers with manufacturer's stamp, clearly labeled with flame and smoke rating, affixed showing fire hazard indexes of products.
- B. Protect insulation against dirt, water and chemical and mechanical damage. Do not install damaged or wet insulation; remove such from project site.

### PART 2 - PRODUCTS

#### 2.01 GENERAL DESCRIPTION

- A. The type of insulation and its installation shall be in strict accordance with these specifications for each service, and the application technique shall be as recommended by the manufacturer. All insulation types, together with adhesives and finishes shall be submitted and approved before any insulation is installed.
- B. A sample quantity of each type of insulation and each type of application shall be installed and approval secured prior to proceeding with the main body of the Work.
- C. All insulation shall be free of formaldehyde binders.

#### 2.02 ACCEPTABLE MANUFACTURERS

- A. Glass fiber materials shall be as manufactured by Knauf, Certain-Teed, Johns-Manville or Owens-Corning and shall have the same thermal properties, density, fire rating, vapor barrier, etc., as the types specified herein, subject to review by the Engineer.
- B. Adhesives shall be as manufactured by Minnesota Mining, Arabol, Benjamin-Foster, Armstrong or Insulmastic, Inc., and shall have the same adhesive properties, fire rating, vapor seal, etc., as the types specified herein, subject to review by the Engineer. Submit product data and/or Material Safety Data Sheets (MSDS) for all adhesives and sealants, paints and coatings used inside the building's moisture barrier indicating the VOC content of each product and verifying that each product meets the requirements of Green Seal GS-11, SCAQMD Rule 1113, and SCAQMD rule 1168 as relevant.
- C. Ceramic fiber materials shall be as manufactured by Primer Refractories, A.P. Green Refractories or approved equal.

### PART 3 - EXECUTION

### 3.01 GENERAL

- A. All insulation shall be installed in accordance with the manufacturer's recommendations and printed installation instructions.
- B. All items required for a complete and proper installation are not necessarily indicated on the plans or in the specifications. Provide all items required as per manufacturer's requirements.

### 3.02 EXTERNAL DUCT INSULATION

- A. External duct insulation shall contain no formaldehyde binders.
- B. Fasten all longitudinal and circumferential laps with outward clinching staples 3" on center. On rectangular ducts over 24" wide apply as above and hold insulation in place on bottom side with mechanical pins and clips on 12" centers.
- C. Seal all joints, fastener penetrations and other breaks in vapor barrier with 3 inch wide strips of white glass fabric embedded between two coats of vapor barrier mastic, Childers CP-30 or approved equal.
- D. All external duct insulation shall be Johns Manville Microlite EQ or Microlite XG fiberglass duct wrap insulation with reinforced aluminum facing or approved equal.
- E. External duct wrap is required on all outside air ducts, supply and return air ducts that are not internally insulated. Duct wrap shall be provided as follows:
  - 1. 1½" thick, 1.0 PCF density minimum when ducts are located in conditioned spaces.
  - 2. 2" thick with a minimum installed R-value of 6 when ducts are located in unconditioned spaces, such as ceiling plenum space.

### 3.03 DUCT LINER

- A. Duct liner shall be kept clean and dry during transportation, storage, installation, and throughout the construction process care should be taken to protect the liner from exposure to the elements or damage from mechanical abuse.
- B. All portions of duct designed to receive duct liner shall be completely covered with liner as specified. The smooth, black, acrylic-coated surfaces with flexible glass cloth reinforcement shall face the airstream. All duct liner shall be cut to assure tight, overlapped corner joints. The top pieces shall be supported by the sidepieces. Duct liner shall be installed following the guidelines in the NAIMA "Duct Liner Installation Standard".
- C. The duct liner shall be tested according to erosion test method in UL 181 and shall be guaranteed to withstand velocities in the duct system up to 5000 fpm without surface erosion.
- D. Duct liner shall be adhered to the sheet metal with full coverage of an approved adhesive that conforms to ASTM C 916, and all exposed leading edges and transverse joints shall be coated with Permacote factory-applied or field-applied edge coating and shall be neatly butted without gaps. Shop or field cuts shall be liberally coated with Johns Manville SuperSeal® duct butter and Edge Treatment or approved adhesive.

- E. Metal nosings shall be securely installed over transversely oriented liner edges facing the airstream at forward discharge and at any point where lined duct is preceded by unlined duct.
- F. When velocity exceeds 4000 fpm (20.3 m/sec), use metal nosing on every leading edge. Nosing may be formed on duct or be channel or zee attached by screws, rivets or welds.
- G. The liner shall further be secured with Graham welding pins and washers on not more than 18 inch centers both vertical and horizontal surfaces, and the pins and washers shall be pointed up with adhesive.
- H. Duct liner shall be Johns Manville Linacoustic RC fiberglass duct liner with factory-applied edge coating and acrylic coating on the mat surface of airstream side or approved equal. The liner shall meet the Life Safety Standards as established by NFPA 90A and 90B, FHC 25/50 and Limited Combustibility and the air stream surface coating should contain an immobilized, EPA-registered, anti-microbial agent so it will not support microbial growth as tested in accordance with ASTM G21 and G22. The duct liner shall conform to the requirements of ASTM C 1071, with an NRC not less than .70 as tested per ASTM C 423 using a Type "A" mounting, and a thermal conductivity no higher than .25 BTU•in/(hr•ft<sup>2</sup>•°F) at 75°F mean temperature.
- I. Line supply and return ductwork at connection of HVAC unit to a point of 5 feet upstream and downstream of the equipment and in return air boots. Attach with full cover coat of cement, duct dimensions up to 16 inches; provide stick clips or screws and cap for dimensions over 16 inches, spaced 16 inches o.c. maximum. Provide sheet metal liner cap over all leading edges of internal insulation exposed to air stream.
- J. Duct liner shall be provided as follows:
  - 1. 1" Thick, 1.5 PCF density minimum when ducts are located in conditioned spaces.
  - 2. 1 ½" Thick with a minimum installed R-value of 6 when ducts are located in unconditioned spaces, such as ceiling plenum space.
  - 3. 2" Thick with a minimum installed R-value of 8 when ducts are located outdoors.

### 3.04 EXPOSED DUCTWORK LOCATED INDOORS

- A. Duct routed exposed in occupied spaces shall be double wall.
- B. Round and flat oval duct routed exposed shall be double wall with perforated inner liner and 1" thick layer of fiberglass insulation as manufactured by United McGill Company model no. Acousti-27 or approved equal. Insulation density shall be a minimum of 1.0 PCF.

### 3.05 EXPOSED DUCT LOCATED OUTDOORS

- A. All duct located outdoors shall be internally lined as specified and also shall have a 2" thick, 6 lb. density rigid board external duct insulation, finished with aluminum jacketing.
- B. Paint non-insulated duct. Coordinate color with Architect.

### 3.06 AIR DEVICE AND MISCELLANEOUS DUCT INSULATION

- A. The backside of all supply air devices shall be insulated with taped and sealed 1½ inch thick external duct wrap.

- B. The contractor shall install an additional layer of 1½ inch thick external fiberglass duct wrap on any portion of the supply air, return air, outside air, or exhaust air system that has condensation forming during any period of operation. The insulation shall be taped and sealed and located until all evidence of the condensation has been eliminated, at no additional cost to the Owner.

**END OF SECTION**



**TREE LEGEND**

- Ornamental Trees**
- CR Crapemyrtle  
Lagerstroemia indica 'Tuscarora'  
30 gal. 4' height  
3 trunk minimum

**SHRUB LEGEND**

- DY Dwarf Burford Holly  
Ilex cornuta 'Burfordi Nana'  
5 gal. 36" OC

**HATCH LEGEND**

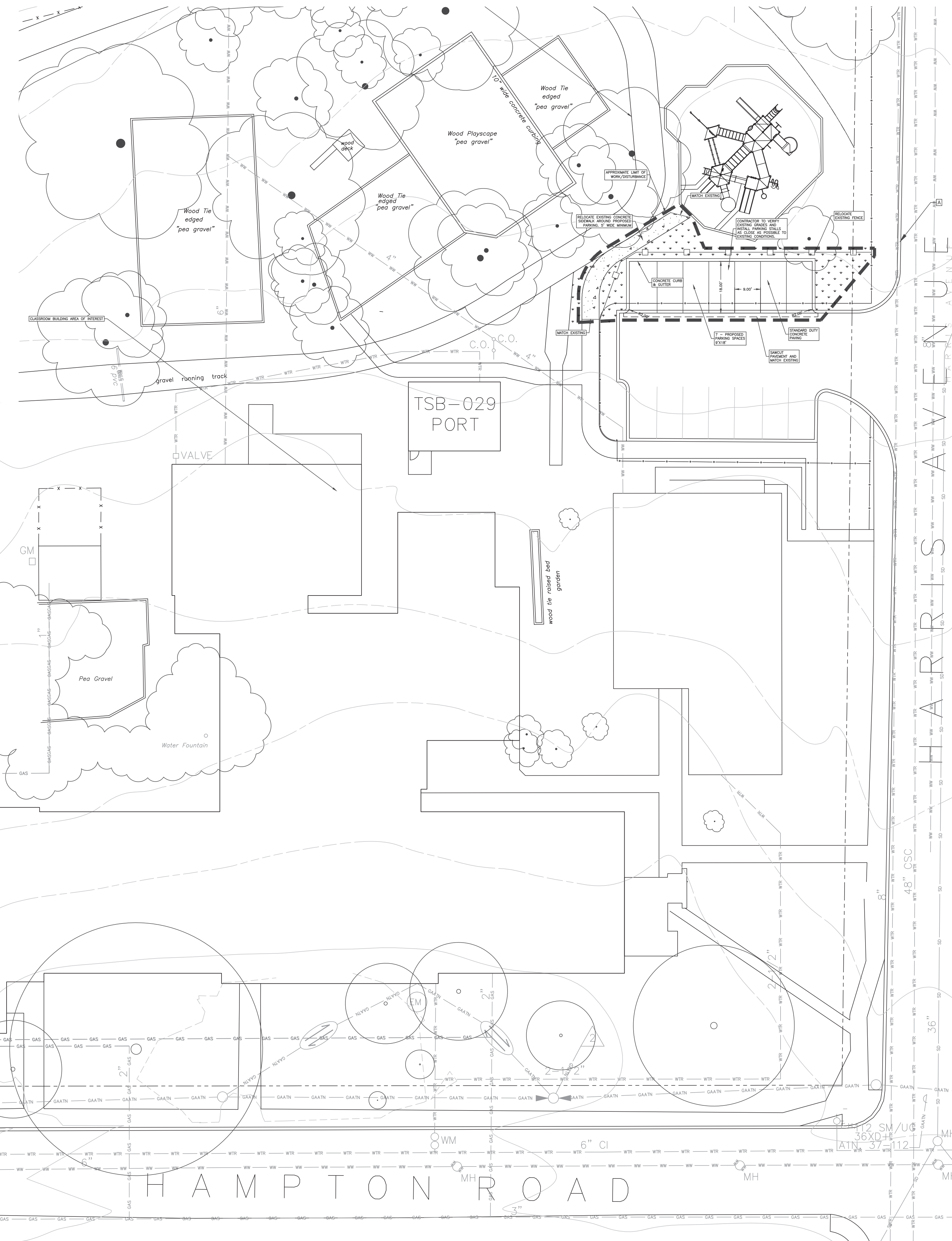
- Solid Sod
- Bermuda Grass

**TREE CARE PLAN**

- The 4 large Live Oak trees behind the building expansion are subject to the prescribed tree care plan.
- TREE CANOPY PRUNING** for the 41" tree shall be done by an approved tree company under supervision of the AISD arborist. No more than 25% of the tree canopy may be removed. Maintain the integrity of the canopy and protect limbs to remain during pruning operations. Wounds must be painted and tools sprayed with disinfectant. Prune dead wood only on the remaining 3 trees.
- SOIL CONDITIONING and TREE FERTILIZATION**  
Use XL Injecto Feed 12-24-24 from Doggett, Inc and Myconate mycorrhizal (VAM) fungi from Plant Health Care, Inc. Fertilizer amount 15 pounds per 100 gallons of water. Using a hydraulic injection system inject the mixture at 200 psi. Start 2 feet from the trunk and inject every 3 feet at a depth of between 6 and 12 inches throughout the canopy area. Inject one half gallon of fertilizer at each hole.
- MULCHING**  
Apply 4 inches of shredded hardwood mulch to the entire canopy area. Leave a 6 inch space around the trunk.

**LANDSCAPE NOTES**

- The proposed tree care plan will satisfy mitigation for the 20 inch Pecan and 8 inch Mountain Laurel removed during construction of the building addition.
- Solid sod disturbed area with Bermuda Grass "Celebration".
- Shredded hardwood mulch must contain long strands along with double shred finer material obtained from a local source.
- Temporary irrigate new sod areas until established.

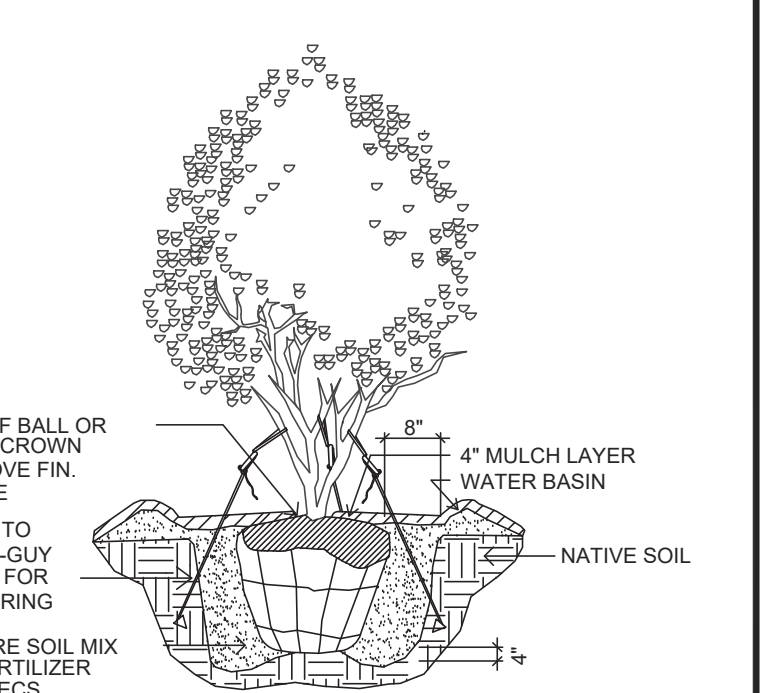


**site integration studio**  
Landscape Architecture - Sustainable Site Planning - Natural Resource Design

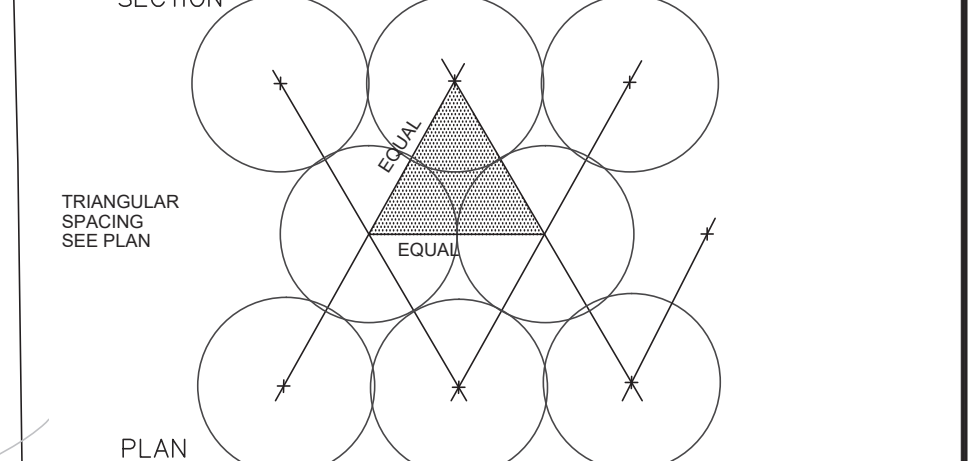
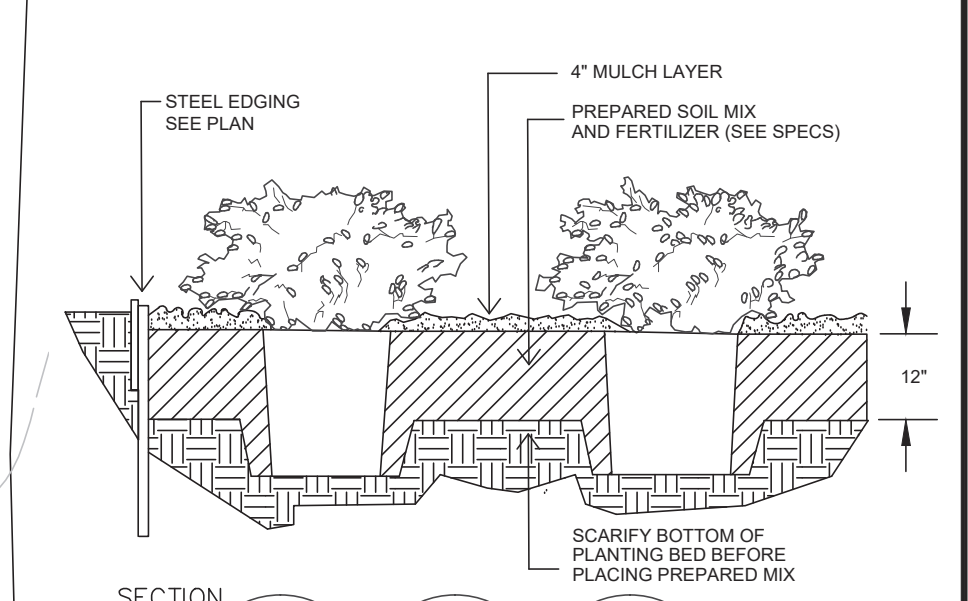
**John F. Murphy, ASLA**

7929 Cross Gate Way  
Tyler, TX 75703  
john@siteint.com  
scott@siteint.com

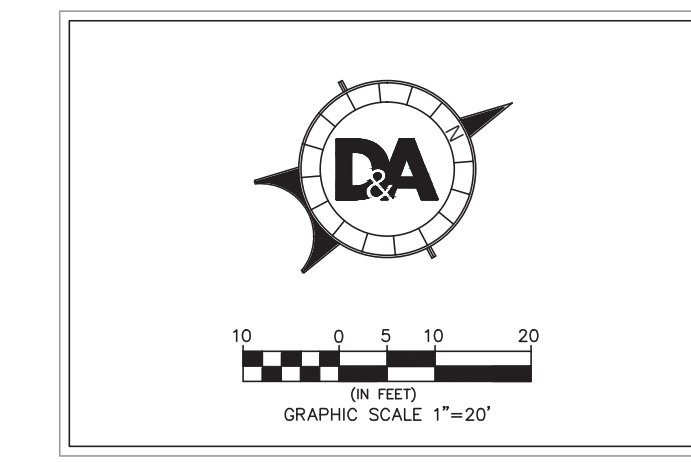
512.632.3822 - Tyler  
512.589.9584 - Austin  
www.siteint.com



**1 MULTI-TRUNK PLANTING**  
SCALE: NONE



**2 SHRUB PLANTING**  
SCALE: NONE



SITE PLAN APPROVAL SHEET 18 OF 18

FILE NUMBER \_\_\_\_\_ APPLICATION DATE \_\_\_\_\_

APPROVED BY COMMISSION ON \_\_\_\_\_ UNDER SECTION 112 OF CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.

EXPIRATION DATE (05-6-81, LDC) \_\_\_\_\_ CASE MANAGER JEREMY SITALA

PROJECT EXPIRATION DATE (ORD.#970905-A) \_\_\_\_\_ DWPZ \_\_\_\_\_ DTJZ \_\_\_\_\_

Director, Development Services Department

RELEASED FOR GENERAL COMPLIANCE: \_\_\_\_\_ ZONING GR \_\_\_\_\_

Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_

Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_

Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_

Final plat must be recorded by the project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if building permit is not required), must also be approved prior to the Project Expiration Date.

**D&A DOUCET & ASSOCIATES**

Civil Engineering - Planning - Surveying/Mapping  
7401 B. Highway 71 W. Suite 160  
Austin, Texas 78735. Phone: (512) 583-2600  
www.doucelandassociates.com  
Firm Registration Number: 3937

AUSTIN INDEPENDENT SCHOOL DISTRICT  
AISD PROJECT NO.: 17-0023 LEE

**LANDSCAPE PLAN**

**GSC ARCHITECTS**  
**LEE ELEMENTARY SCHOOL**  
3308 HAMPTON ROAD  
AUSTIN, TX 78705

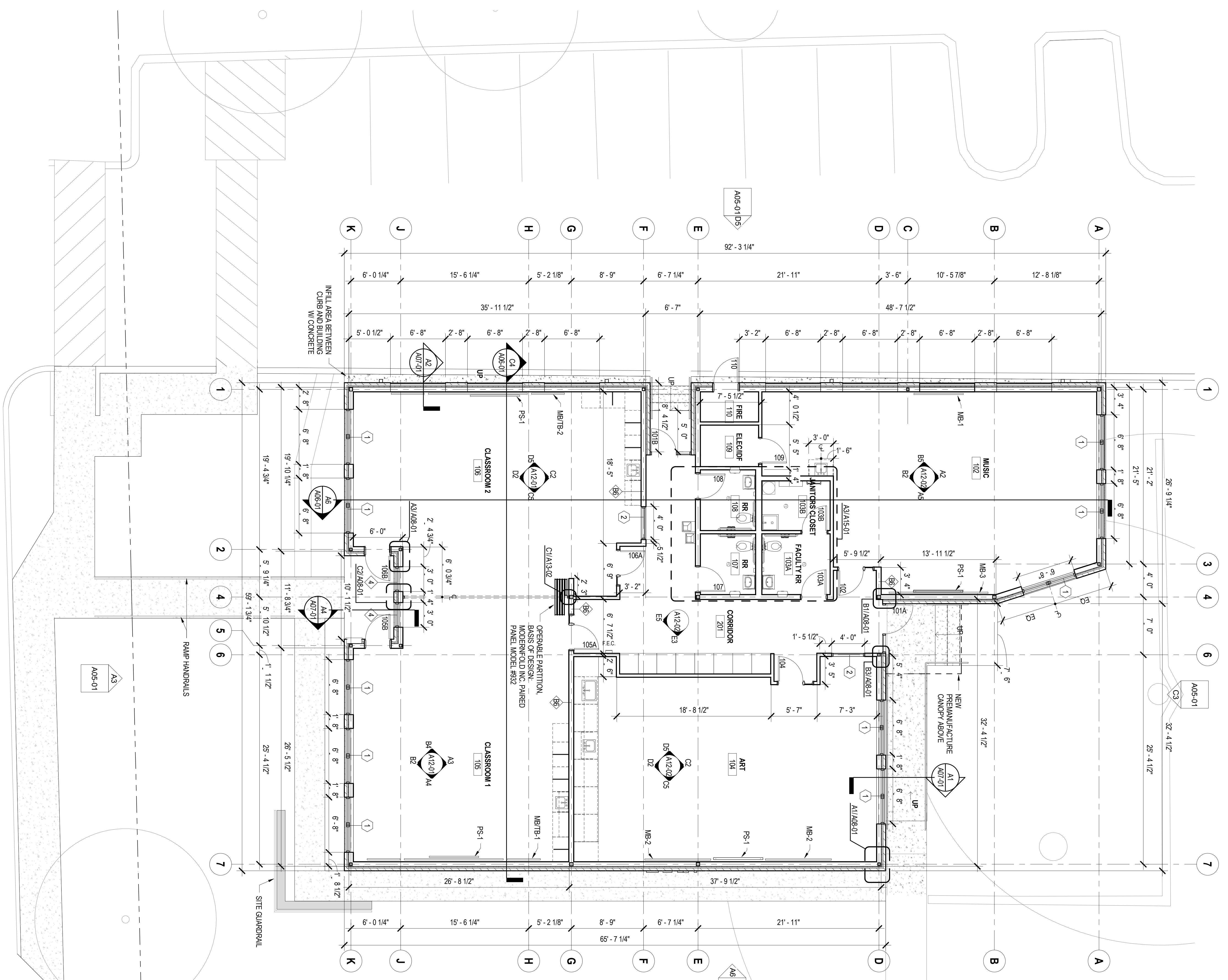
JOHN F. MURPHY  
ASLA  
11/05/18

Designed: JFM  
Drawn: JFM  
Reviewed: JH  
Date: 11/05/2018

**SHEET**  
**L-1**  
18 OF 18

Project No.: 304-029

**A5 CLASSROOM BUILDING - LEVEL 1 - FLOOR PLAN**  
 3/16" = 1'-0"



**GENERAL NOTES - FLOOR PLAN**

1. THESE NOTES APPLY TO ALL FLOOR PLAN SHEETS.
2. DIMENSIONS ON PLANS ARE TO THE FACE OF GYPSUM BOARD, EXPOSED FACE OF MASONRY (IF PRESENT), EXPOSED FACE OF CONCRETE, OR CENTERLINE OF COLUMNS OR OTHER STRUCTURAL MEMBERS, UNLESS NOTED OTHERWISE.
3. INSTALL VERTICAL CONTROL JOINTS IN GYPSUM BOARD WHERE WALL LENGTH EXCEEDS 30 FEET, AND AT EACH SIDE OF OPENINGS THAT DO NOT TERMINATE AT A CEILING, AND OTHER LOCATIONS INDICATED, AND IN ACCORDANCE WITH GA-216.
4. FINISH FLOOR ELEVATIONS NOTED ARE TAKEN FROM THE TOP OF STRUCTURAL CONCRETE.
5. REFER TO FINISH FLOOR PLANS FOR EXTENT OF SPECIAL FINISHES AND FOR FLOOR FINISH PATTERNS.
6. DO NOT CUT OR REMOVE STRUCTURAL ELEMENTS, ENGINEER AND DO NOT PROCEED WITH ANY STRUCTURAL CUT WITHOUT HIS WRITTEN APPROVAL.
7. ALL WOOD BLOCKING CONCEALED WITHIN THE BUILDING CONSTRUCTION IS FIRE-RETARDANT-TREATED.
8. REFER TO MEP SERIES DRAWINGS FOR ITEMS REQUIRED BUT NOT SHOWN ON ARCHITECTURAL DRAWINGS. PROVIDE LOCKABLE ACCESS PANELS AT ALL LOCATIONS NOTED OR LOCATIONS REQUIRING ACCESS AS INDICATED ON MEP DRAWINGS. PROVIDE NECESSARY BLOCKING, FRAMING, ETC. FOR ACCESS PANELS.
9. UNLESS NOTED OTHERWISE, HINGE JAMBS OF DOORS SHALL BE HELD 4 INCHES OFF ADJACENT PERPENDICULAR WALLS TO FACE OF DOOR FRAME UNLESS NOTED OTHERWISE. PROVIDE A MINIMUM OF 18 INCHES OF CLEAR FLOOR SPACE BEHIND THE FACE OF THE STRIKE JAMB OF DOORS TO ALLOW FOR PROPER OPERATION. THIS REQUIREMENT DOES NOT APPLY TO NON-ACCESSIBLE TOILET STALLS.
11. PROVIDE APPROPRIATE FIRESTOPPING ASSEMBLIES AT ALL PENETRATIONS OF RATED WALL OR FLOOR ASSEMBLIES.
12. THESE GENERAL NOTES APPLY TO ALL FLOOR PLANS, UNLESS NOTED OTHERWISE.
13. REFER TO SHEET A06-K-EQUIPMENT TYPES AND DETAILS.
14. REFER TO SHEET A06-K-EQUIPMENT TYPES AND DETAILS.
15. FOR THE PURPOSES OF THESE DRAWINGS, ROOM NAMES AND NUMBERS HAVE BEEN ASSIGNED TO AID IN THE COORDINATION OF THESE DOCUMENTS. THIS NUMBERING SYSTEM IS NOT NECESSARILY INTENDED TO REPRESENT OR COORDINATE WITH FINAL ROOM DESIGNATION.
16. REFER TO DOOR INFORMATION SHEET A09-10 FOR FRAMING AND ANCHORAGE AT DOORS.
17. ELECTRICAL PANELS, FIRE EXTINGUISHER AND OTHER ITEMS INSTALLED IN WALLS SHALL BE BACKED W/ DRYWALL TO MAINTAIN RATED RATINGS.
18. FIELD VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF ANY CABINETRY, FRAMES, STRUCTURAL ITEMS, ETC. DRAWING INFORMATION SHALL NOT SUPERSEDE ACTUAL CONDITIONS.
19. COORDINATE CLEAR OPENINGS AND DIMENSIONS AS REQUIRED AT EQUIPMENT TO ACCOMMODATE INDIVIDUAL MANUFACTURER'S REQUIREMENTS. FIELD VERIFY ALL DIMENSIONS PRIOR TO ANY MODIFICATIONS.
20. SLOPE FLOORS TO DRAINAGE 1/4" PER FOOT, TYP.
21. ALIEN WALL TYPES SO THAT CONTINUOUS FACES OF WALLS ARE FLUSH.
22. PROVIDE AND INSTALL PAINTED 2x4 TALL PLYWOOD ON ALL WALLS IN THE DP AND ELECTRICAL ROOMS (L10).
23. ALL PENETRATIONS THRU THE EXTERIOR WALL OR ROOF SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING AND MAINTAIN THE BUILDING ENVELOPE AND ROOF WARRANTY.

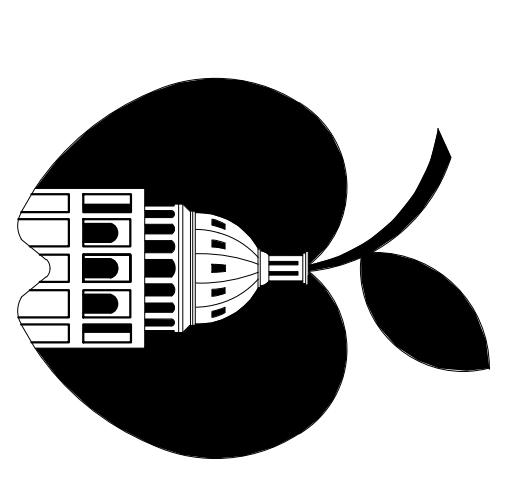
**EQUIPMENT SCHEDULE**

TAG	MODEL	MANUFACTURER	STYLE/NAME	COMMENTS
MB-1	MARKER BOARD, 48"x72"	CLARIDGE	EZ244	
MB-2	MARKER BOARD, 48"x96"	CLARIDGE	EZ246	
MB-3	MARKER BOARD, 48"x144"	CLARIDGE	EZ246	
MB-1B-1	MARKER BOARD & TACK BOARD COMBINATION - CLARIDGE	CLARIDGE	SERIES 1, TYPE 'C'	
PS-1	PROJECTOR SCREEN	CLARIDGE	SERIES 1, TYPE 'C' OF C1	

**FLOOR PLAN - LEVEL 1**

DATE: 10/18/2018  
 REVIEWED BY: GSC  
 PROJECT NO.: 201611500  
 SHEET NO.: **A03-01**

**A.I.S.D. 17-0023 - LEE ELEMENTARY SCHOOL CLASSROOM BUILDING**  
 3308 HAMPTON ROAD, AUSTIN, TX 78705



**GSC Architects**  
 3100 Alvin Devane Blvd  
 Bldg A, Suite 200-B  
 Austin, Texas 78741  
 Phone: 512.477.9417

REGISTERED ARCHITECT  
 STATE OF TEXAS  
 171282018  
 01/19/2018

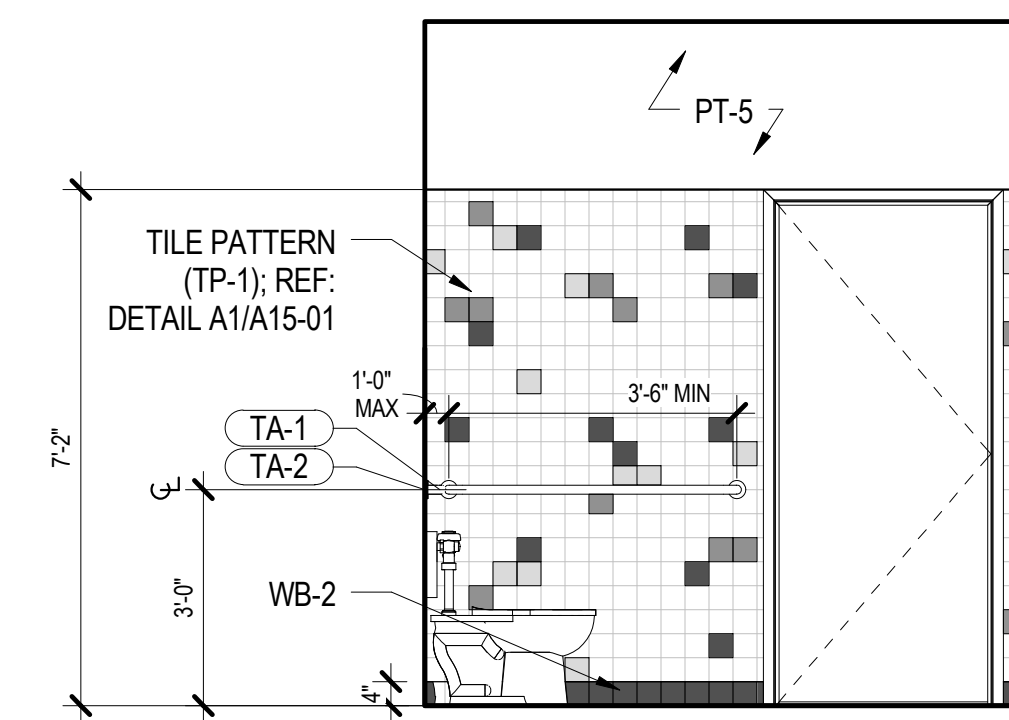
AUSTIN INDEPENDENT SCHOOL DISTRICT  
 AISD PROJECT NO.: 17-0023 LEE

1 APPENDIX 01 11/28/2018  
 NO. REVISION DATE

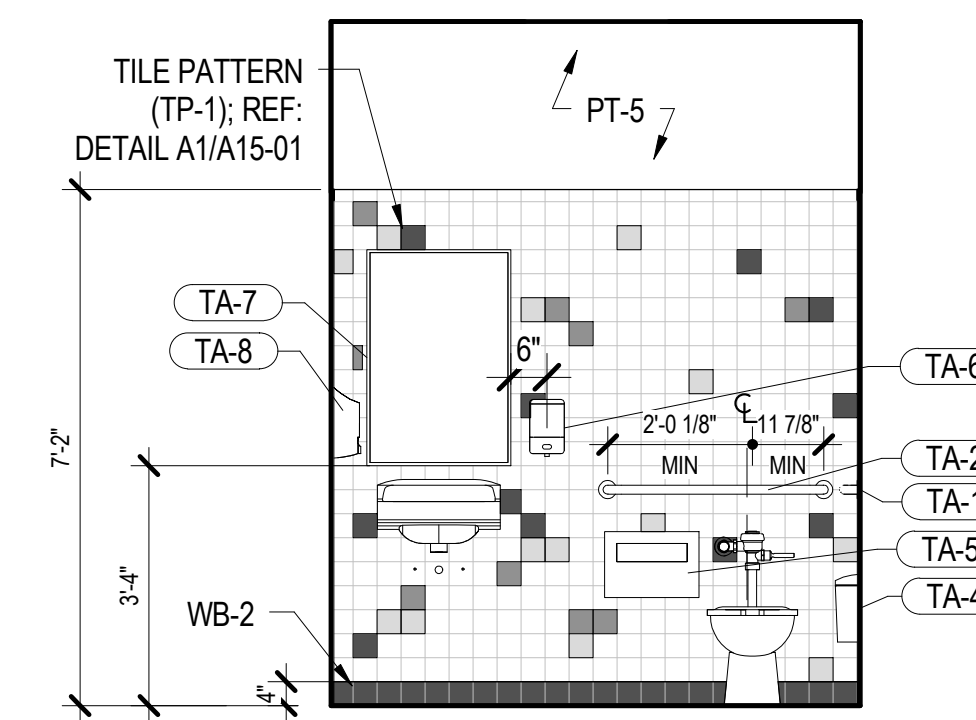
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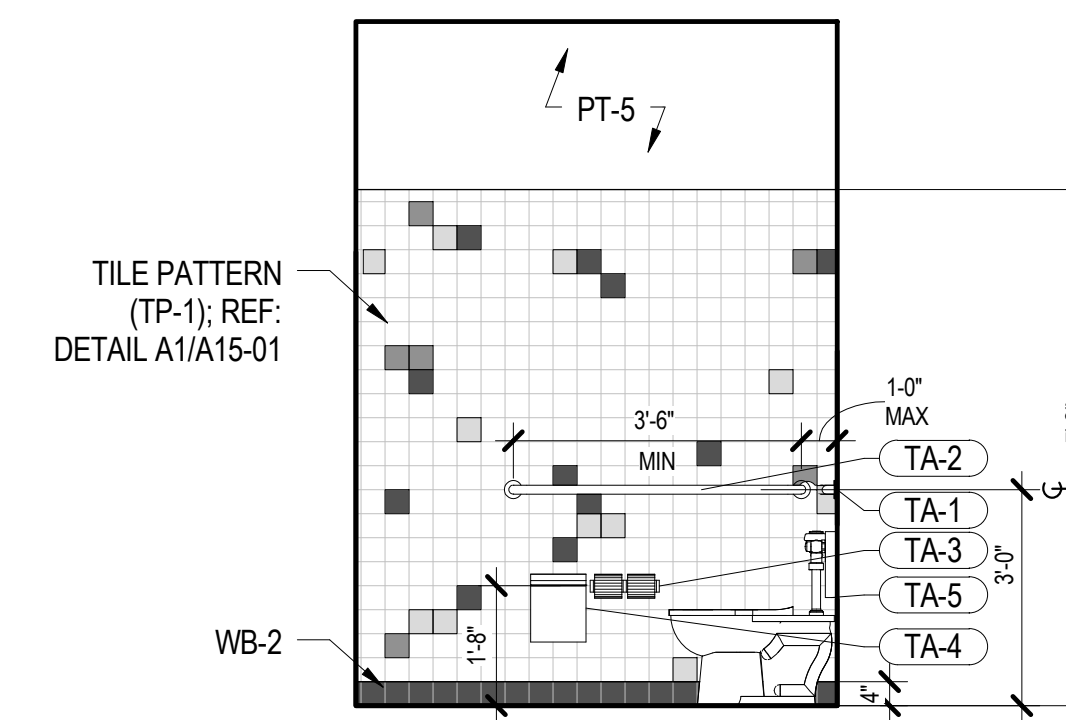
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MB-1	MARKER BOARD, 48"x72"	CLARIDGE	EZL244	
MB-2	MARKER BOARD, 48"x96"	CLARIDGE	EZL246	
MB-3	MARKER BOARD, 48"x144"	CLARIDGE	EZL2416	
MB/TB-1	MARKER BOARD & TACK BOARD COMBINATION	CLARIDGE	SERIES 1 -TYPE 'F'	
MB/TB-2	MARKER BOARD & TACK BOARD COMBINATION	CLARIDGE	SERIES 1 -TYPE 'C'	
PS-1	PROJECTOR SCREEN			O.P.C.I.



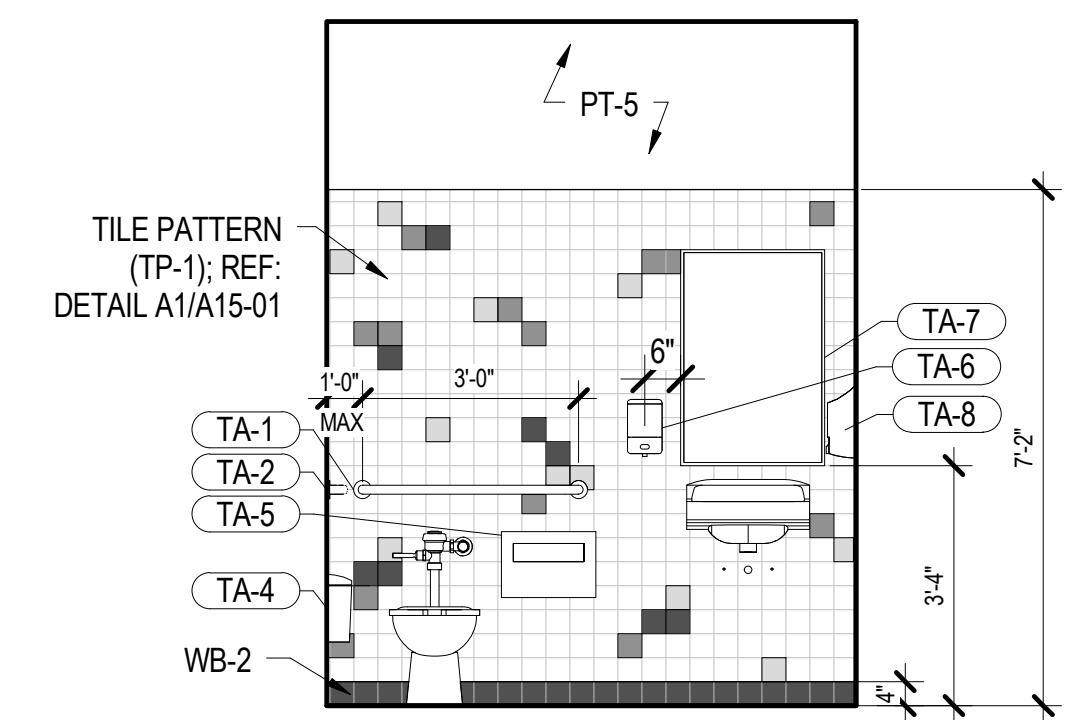
**E4 FACULTY RR - WEST ELEVATION**  
3/8" = 1'-0"



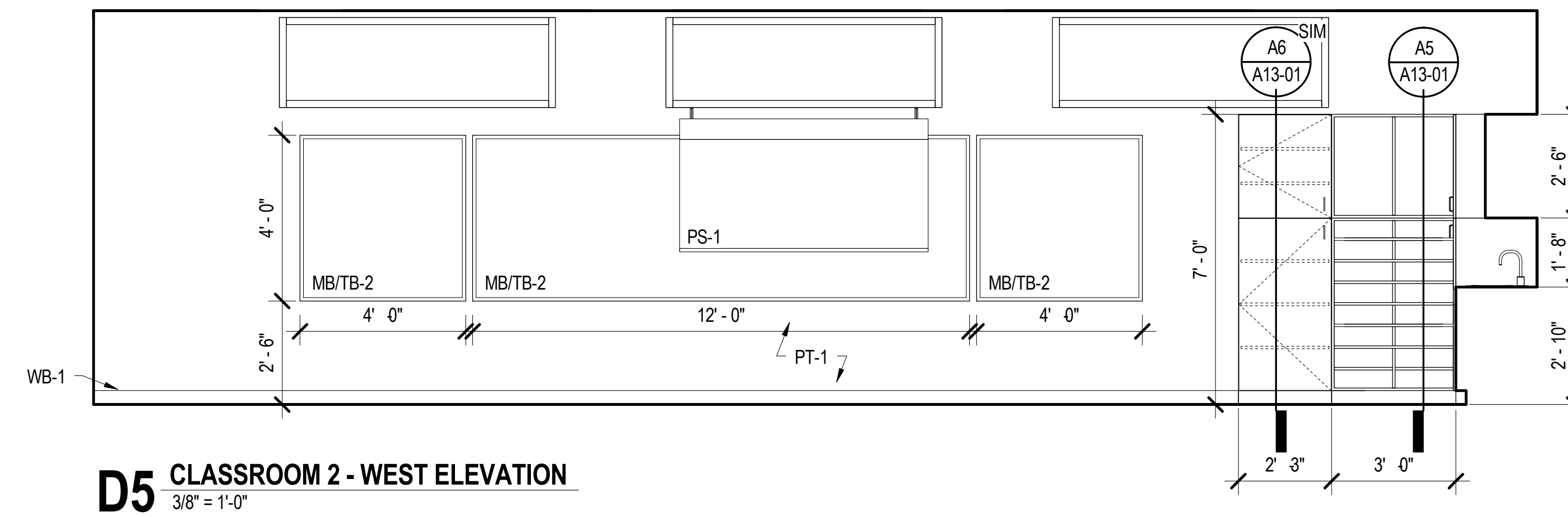
**E3 FACULTY RR - SOUTH ELEVATION**  
3/8" = 1'-0"



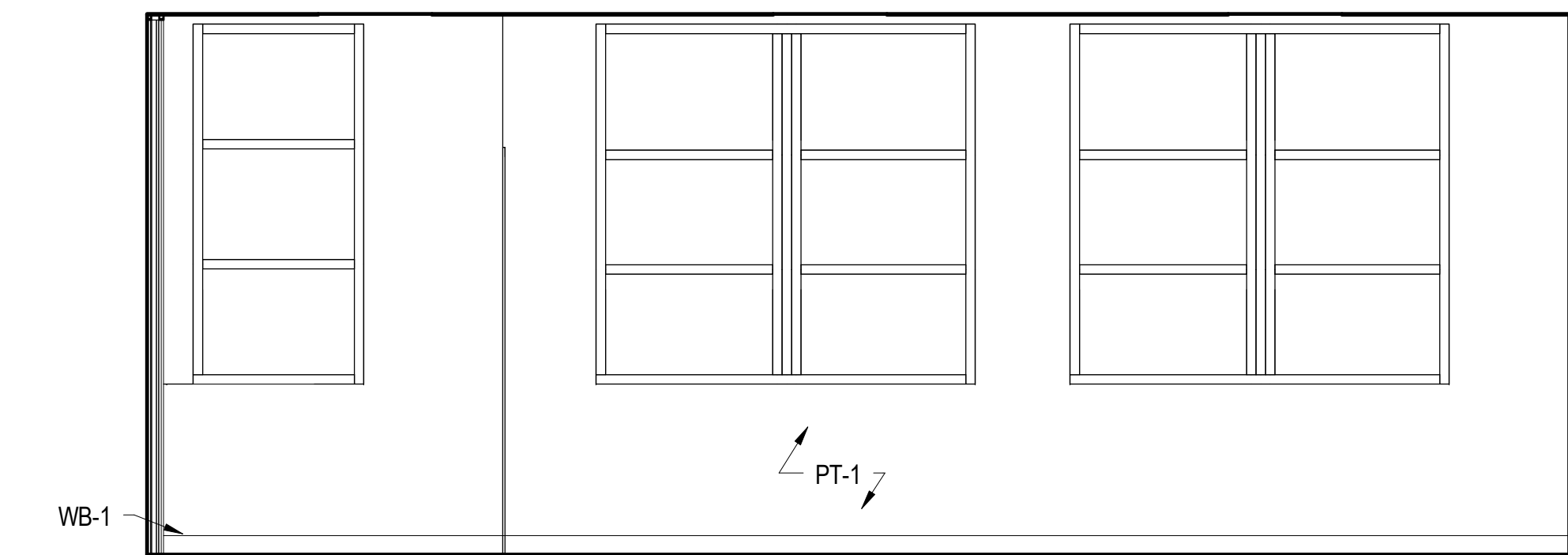
**E2 STUDENT RR - WEST ELEVATION**  
3/8" = 1'-0"



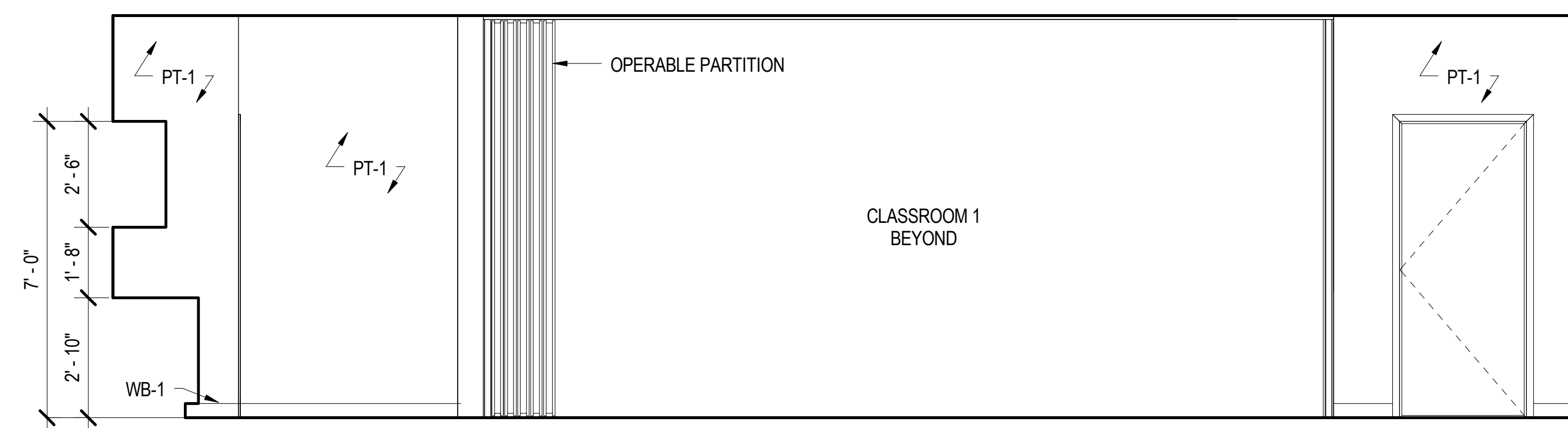
**E1 STUDENT RR - NORTH ELEVATION**  
3/8" = 1'-0"



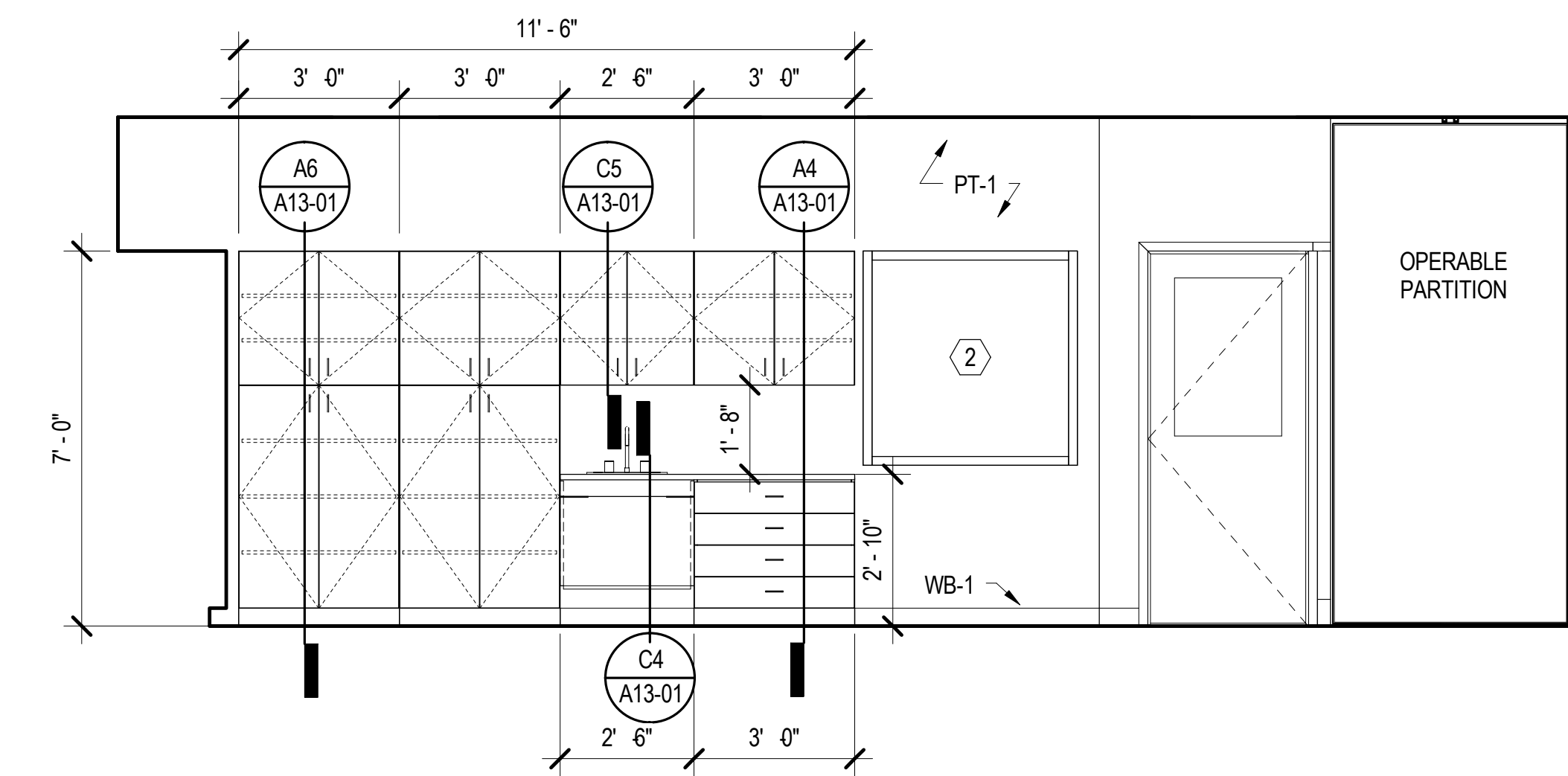
**D5 CLASSROOM 2 - WEST ELEVATION**  
3/8" = 1'-0"



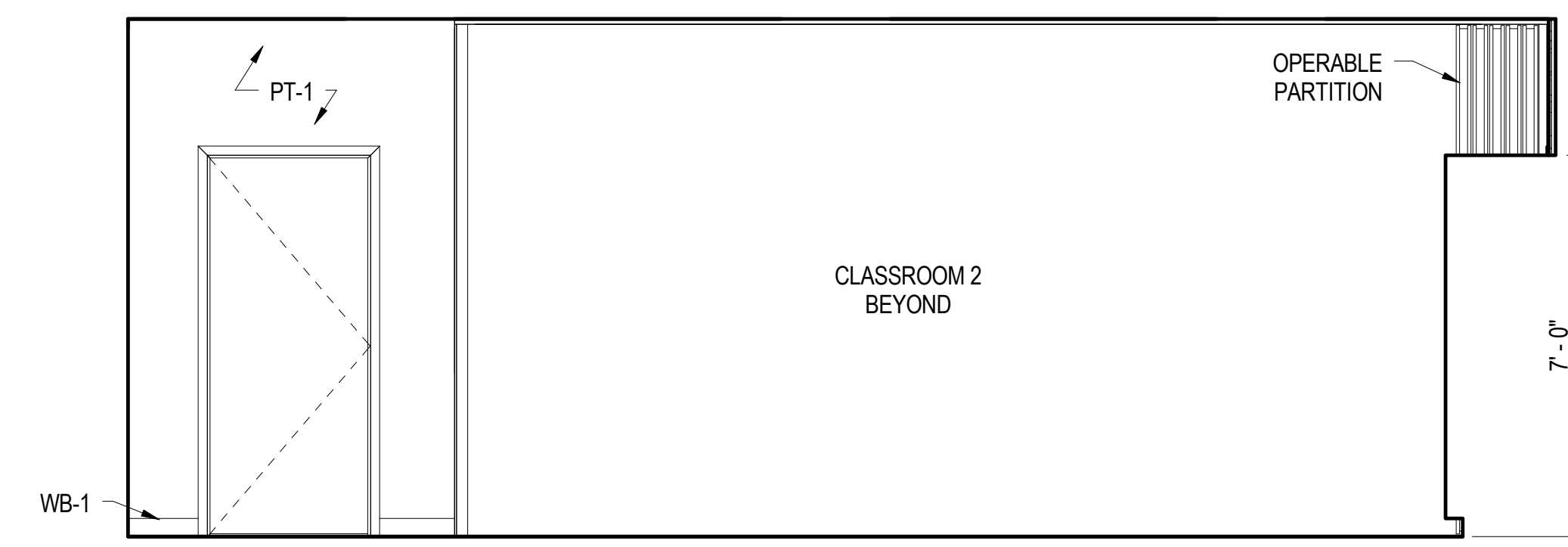
**D2 CLASSROOM 2 - SOUTH ELEVATION**  
3/8" = 1'-0"



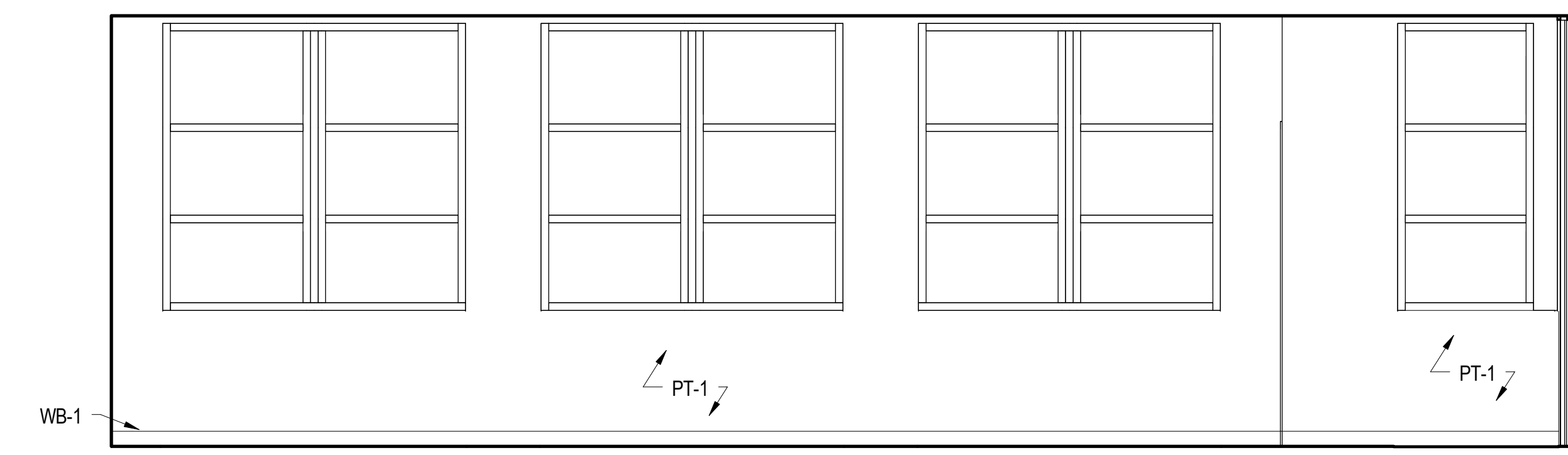
**C5 CLASSROOM 2 - EAST ELEVATION**  
3/8" = 1'-0"



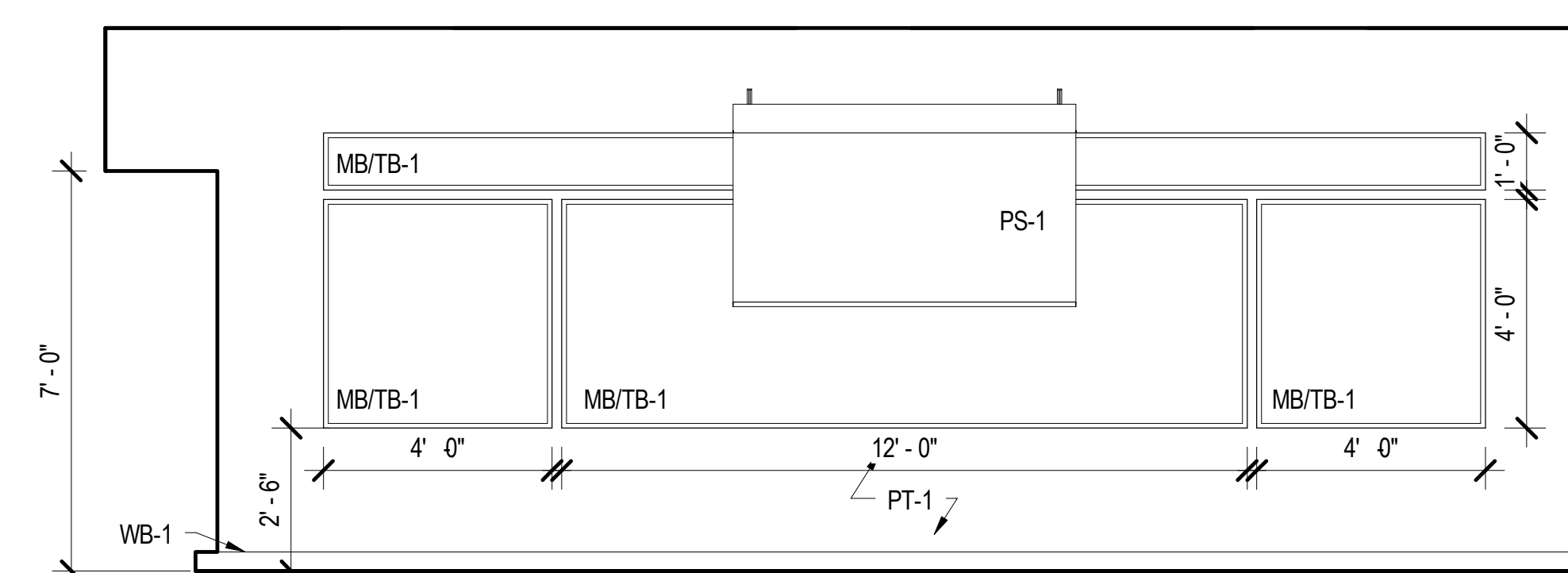
**C2 CLASSROOM 2 - NORTH ELEVATION**  
3/8" = 1'-0"



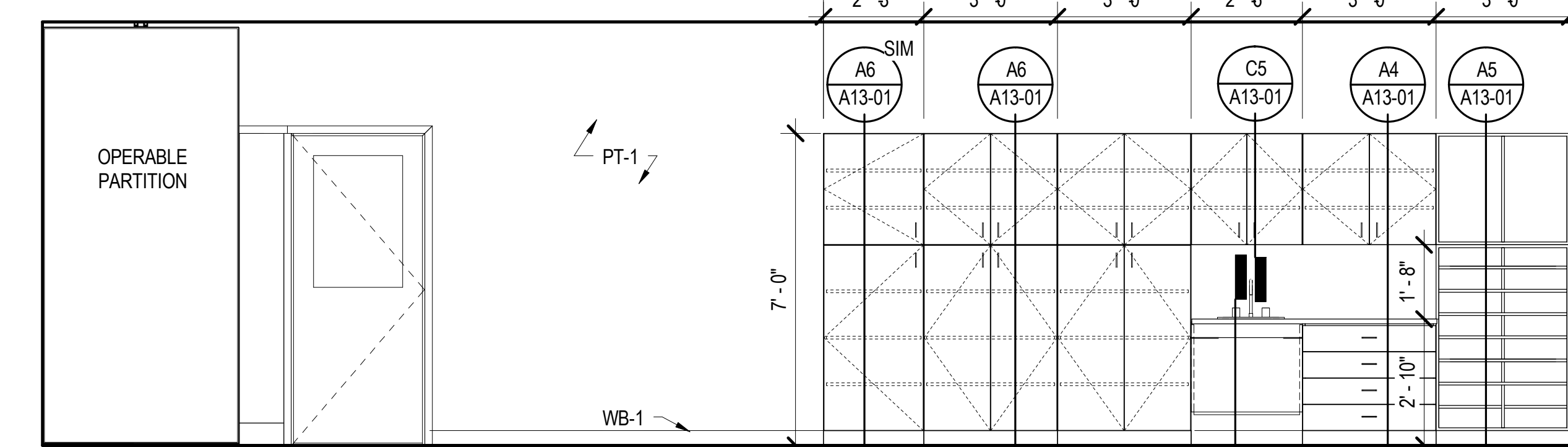
**B4 CLASSROOM 1 - WEST ELEVATION**  
3/8" = 1'-0"



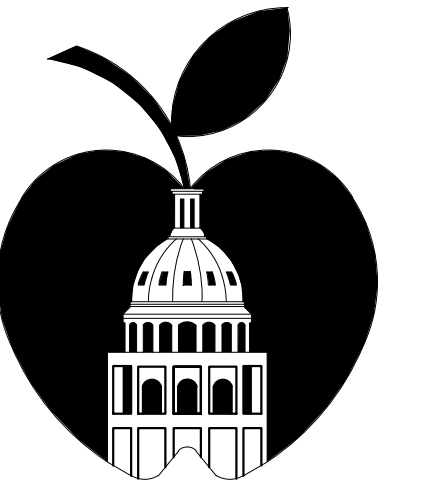
**B2 CLASSROOM 1 - SOUTH ELEVATION**  
3/8" = 1'-0"



**A4 CLASSROOM 1 - EAST ELEVATION**  
3/8" = 1'-0"



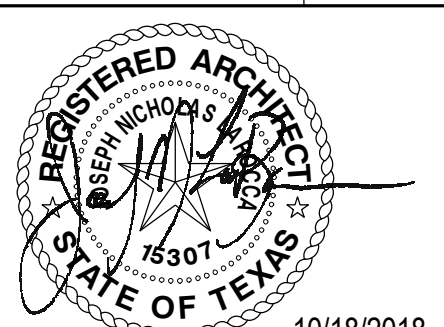
**A3 CLASSROOM 1 - NORTH ELEVATION**  
3/8" = 1'-0"



AUSTIN INDEPENDENT SCHOOL DISTRICT  
AISD PROJECT NO.: 17-0023 LEE

A.I.S.D. 17-0023 - LEE  
ELEMENTARY SCHOOL  
CLASSROOM BUILDING  
3308 HAMPTON ROAD, AUSTIN, TX 78705

NO.	REVISION	DATE
1	ADDENDUM 01	11/28/2018



JOSEPH NICHOLAS LAROCKA TX ARCHITECT LIC # 15507  
SHEET NAME:

**INTERIOR ELEVATIONS**

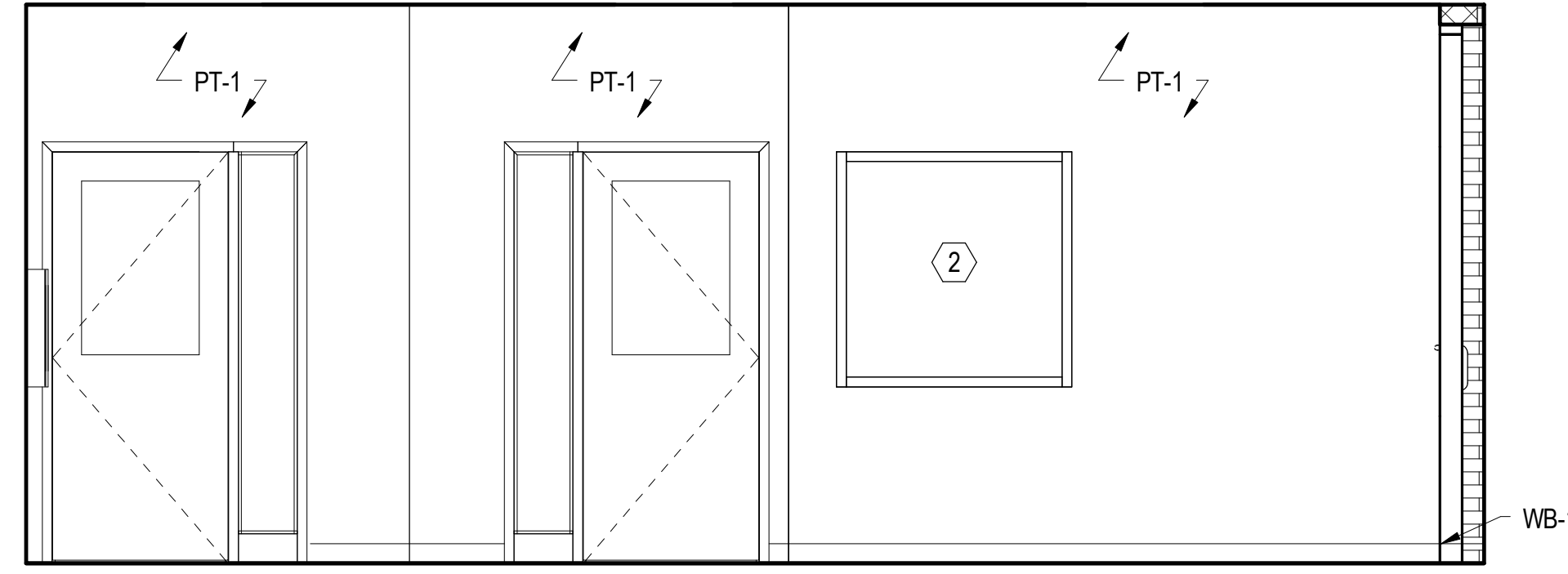
DATE: 10/18/2018  
REVIEWED BY: GSC  
PROJECT NO.: 201611500  
SHEET NO.:

**A12-01**

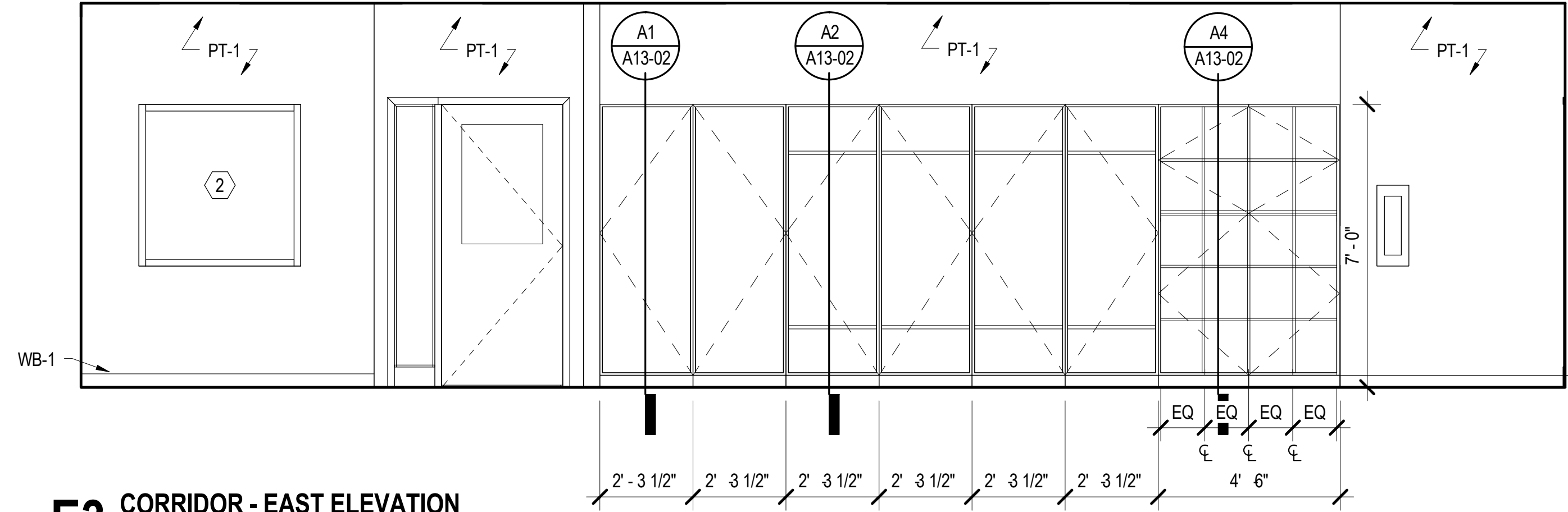
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GSC - 201611500 - A.I.S.D. 17-0023 - LEE ELEMENTARY SCHOOL CLASSROOM BUILDING  
ISSUE FOR CONSTRUCTION

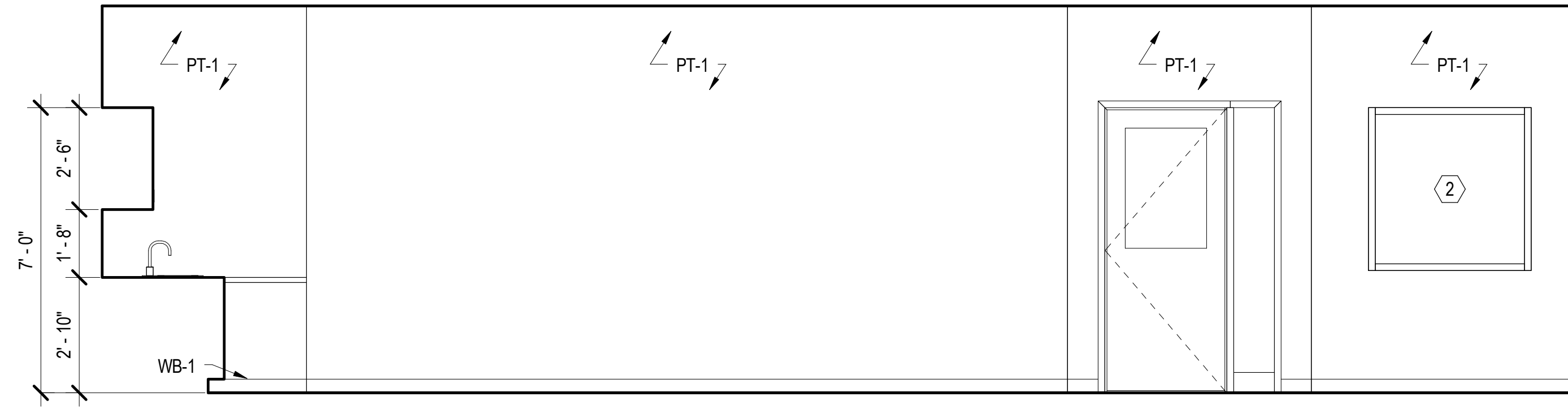
EQUIPMENT SCHEDULE				
TAG	MODEL	MANUFACTURER	STYLE/NAME	COMMENTS
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MB-2	MARKER BOARD, 48"x96"	CLARIDGE	EZL246	
MB-3	MARKER BOARD, 48"x144"	CLARIDGE	EZL2416	
MB/TB-1	MARKER BOARD & TACK BOARD COMBINATION	CLARIDGE	SERIES 1 -TYPE 'F'	
MB/TB-2	MARKER BOARD & TACK BOARD COMBINATION	CLARIDGE	SERIES 1 -TYPE 'C'	
PS-1	PROJECTOR SCREEN			O.F.C.I.



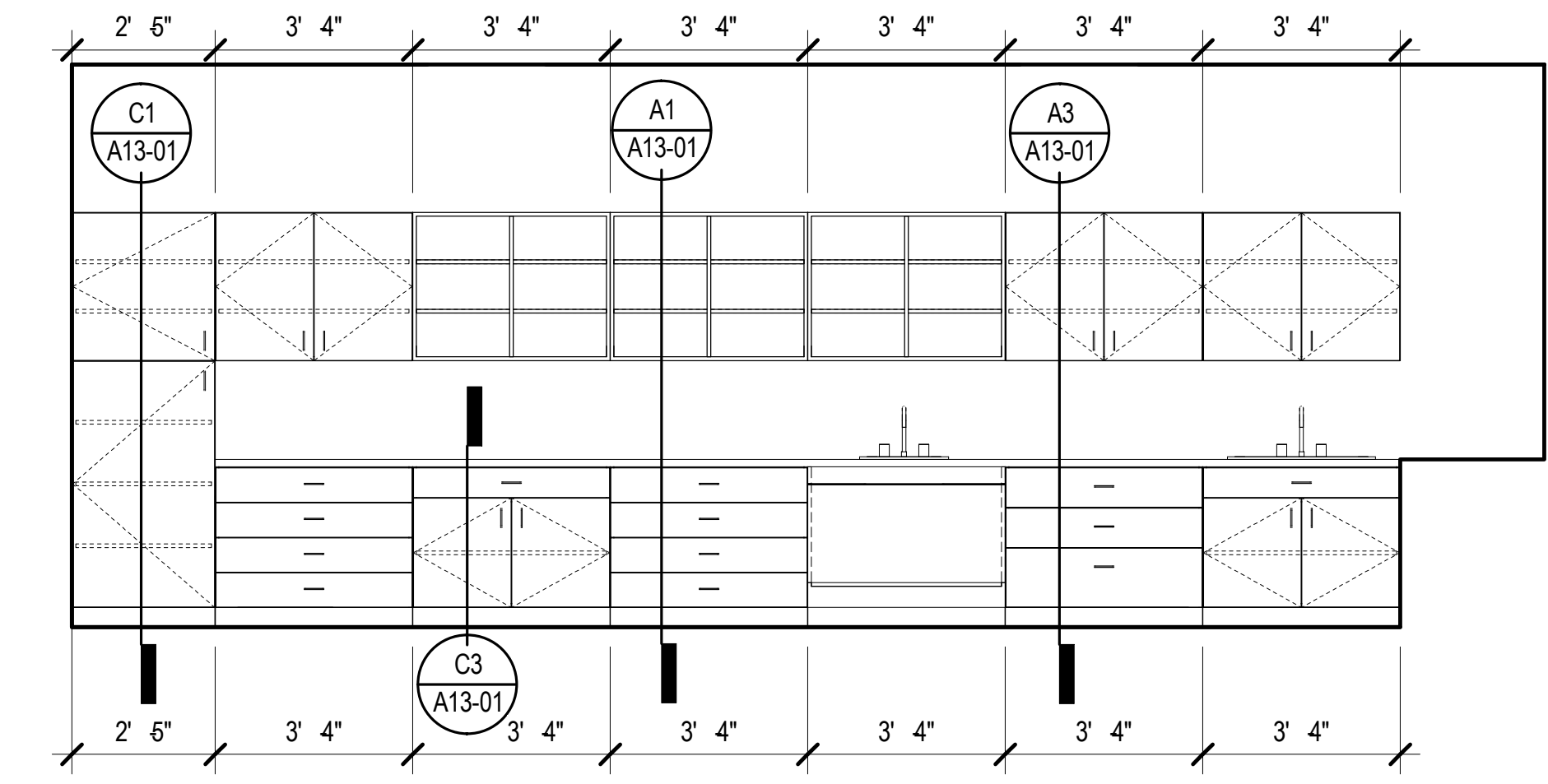
**E5 CORRIDOR - SOUTH ELEVATION**  
3/8" = 1'-0"



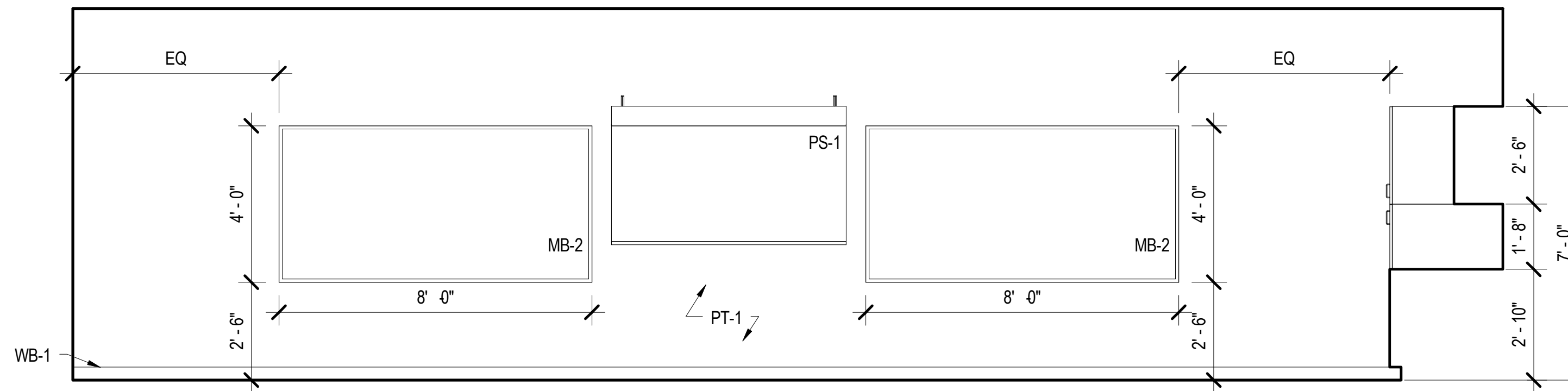
**E3 CORRIDOR - EAST ELEVATION**  
3/8" = 1'-0"



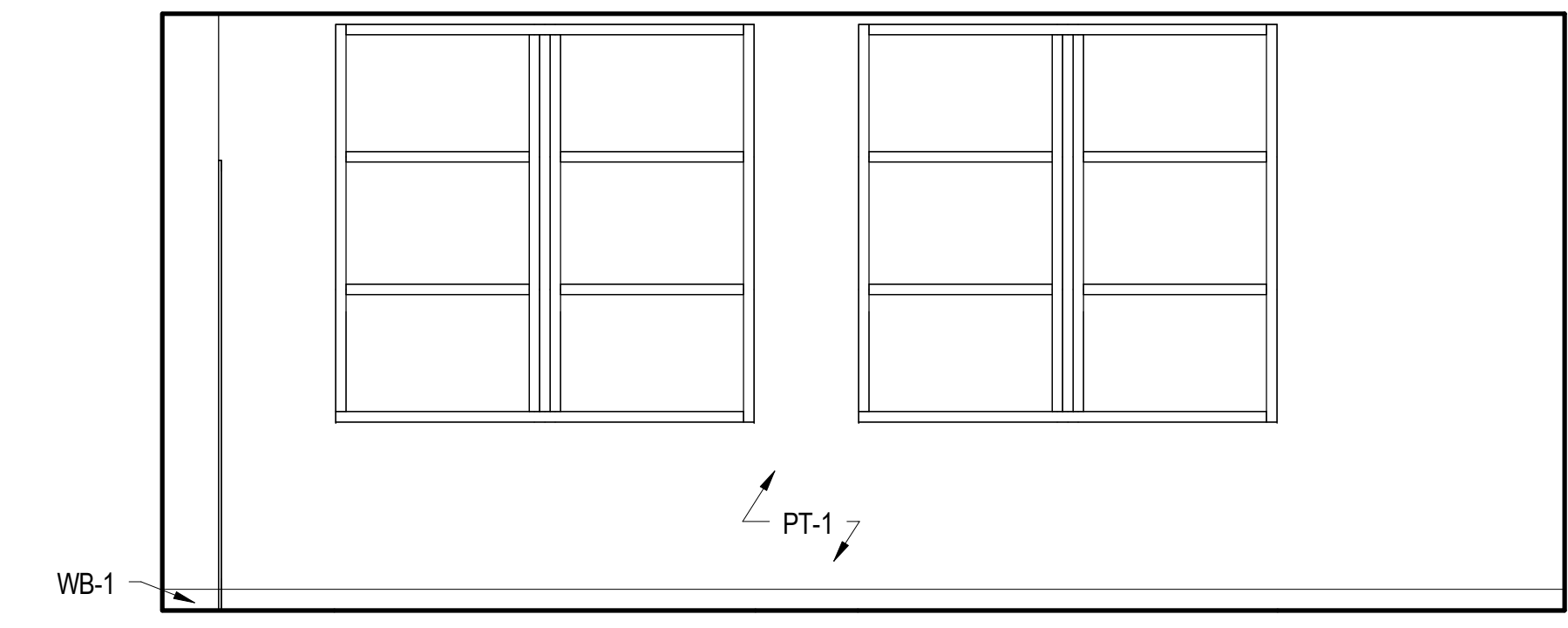
**D5 ART ROOM - WEST ELEVATION**  
3/8" = 1'-0"



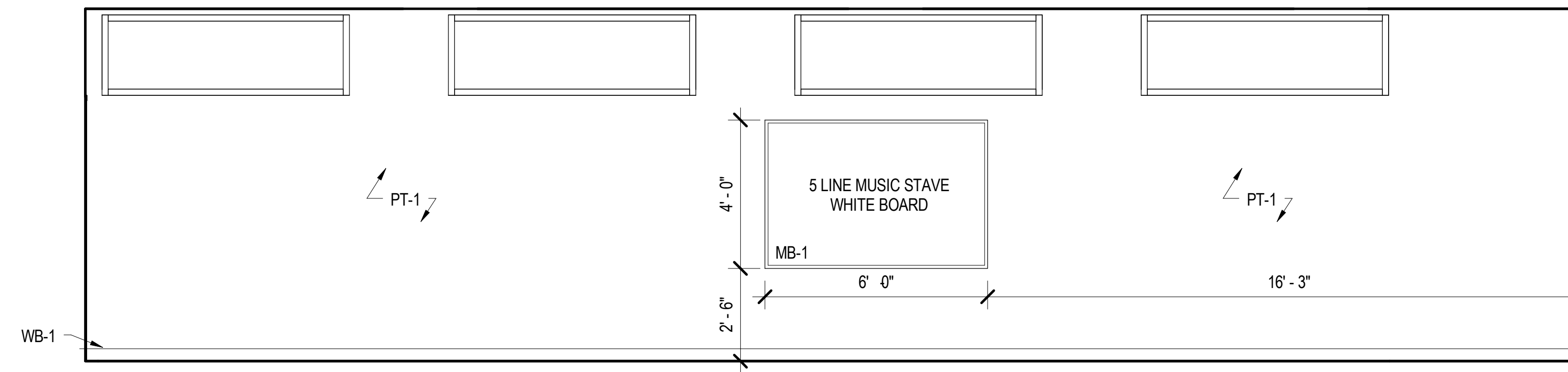
**D2 ART ROOM - SOUTH ELEVATION**  
3/8" = 1'-0"



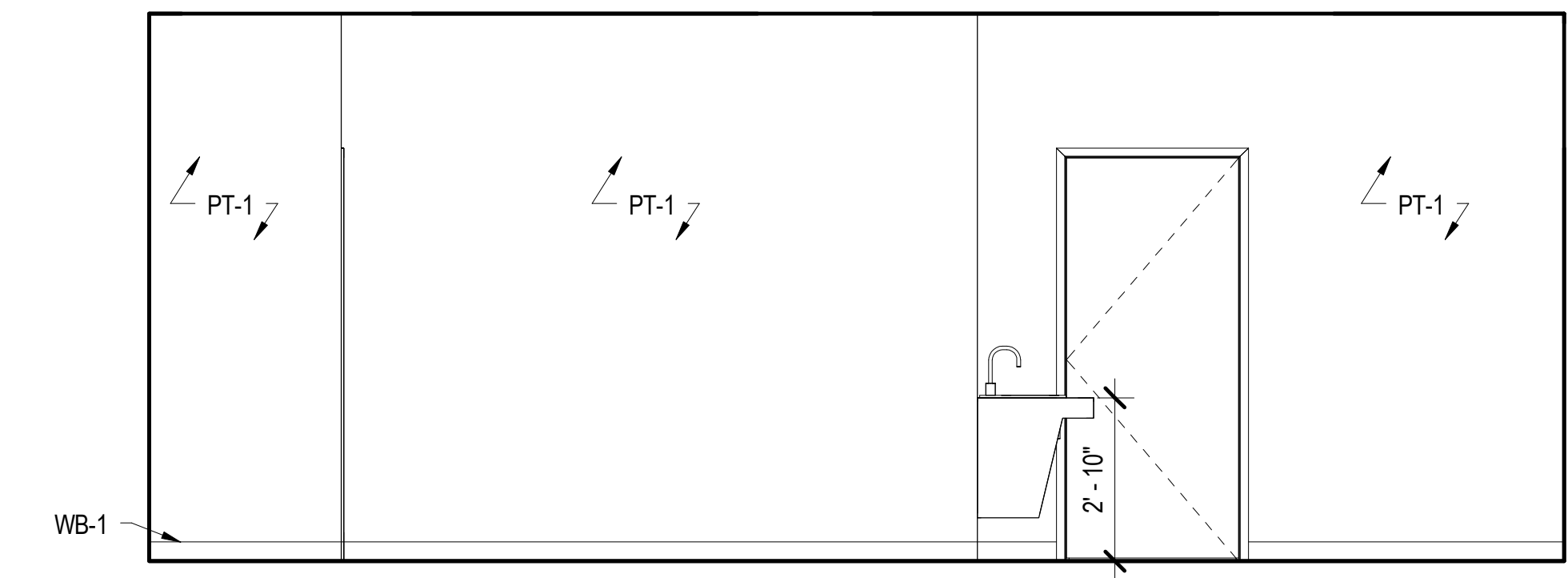
**C5 ART ROOM - EAST ELEVATION**  
3/8" = 1'-0"



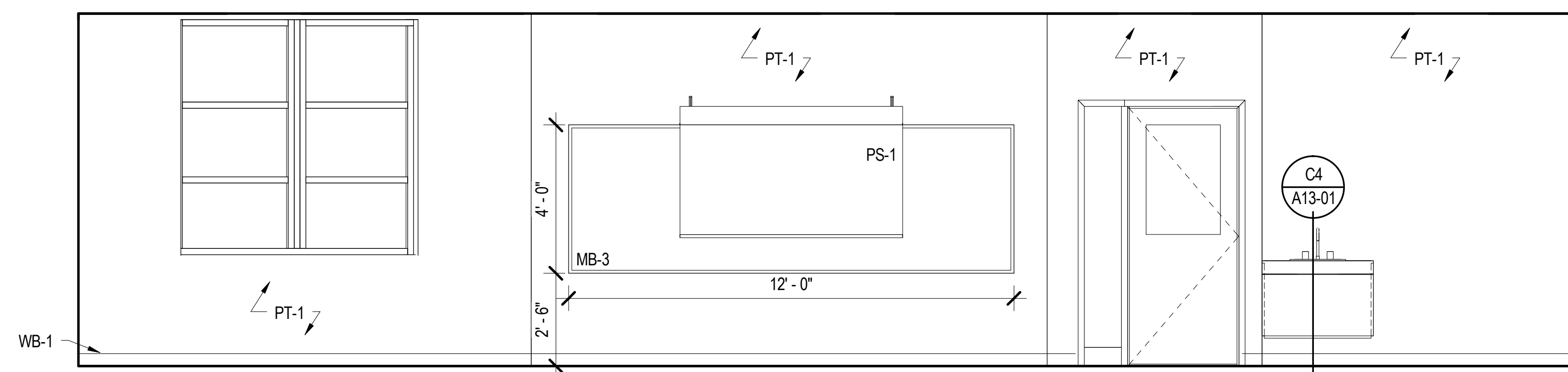
**C2 ART ROOM - NORTH ELEVATION**  
3/8" = 1'-0"



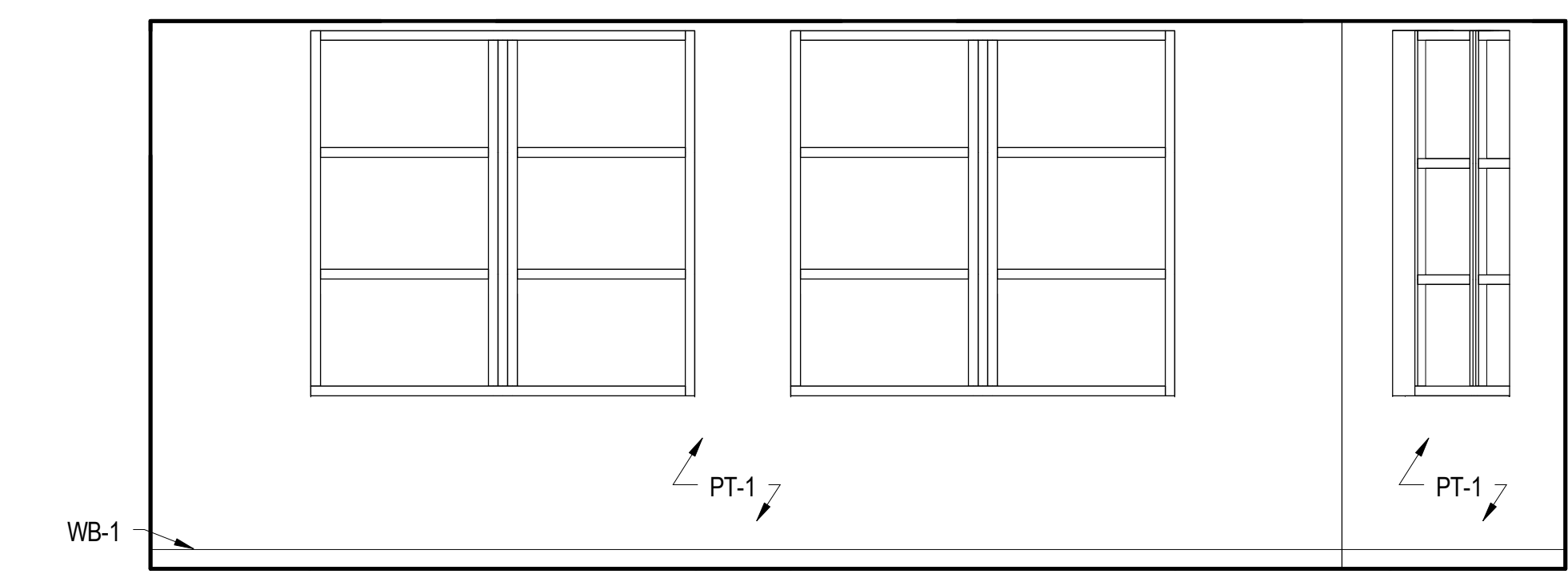
**B5 MUSIC ROOM - WEST ELEVATION**  
3/8" = 1'-0"



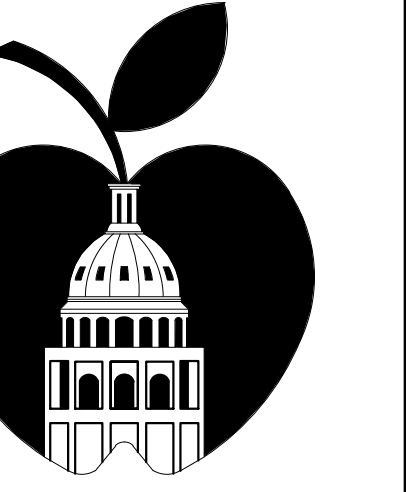
**B2 MUSIC ROOM - SOUTH ELEVATION**  
3/8" = 1'-0"



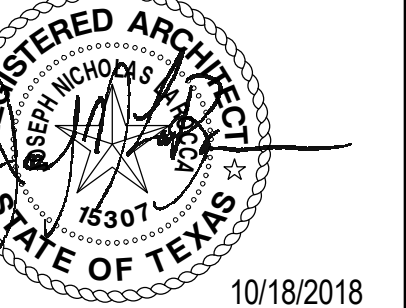
**A5 MUSIC ROOM - EAST ELEVATION**  
3/8" = 1'-0"



**A2 MUSIC ROOM - NORTH ELEVATION**  
3/8" = 1'-0"



1	ADDENDUM 01	11/28/2018
NO.	REVISION	DATE



SHEET NAME:

**INTERIOR ELEVATIONS**

DATE: 10/18/2018

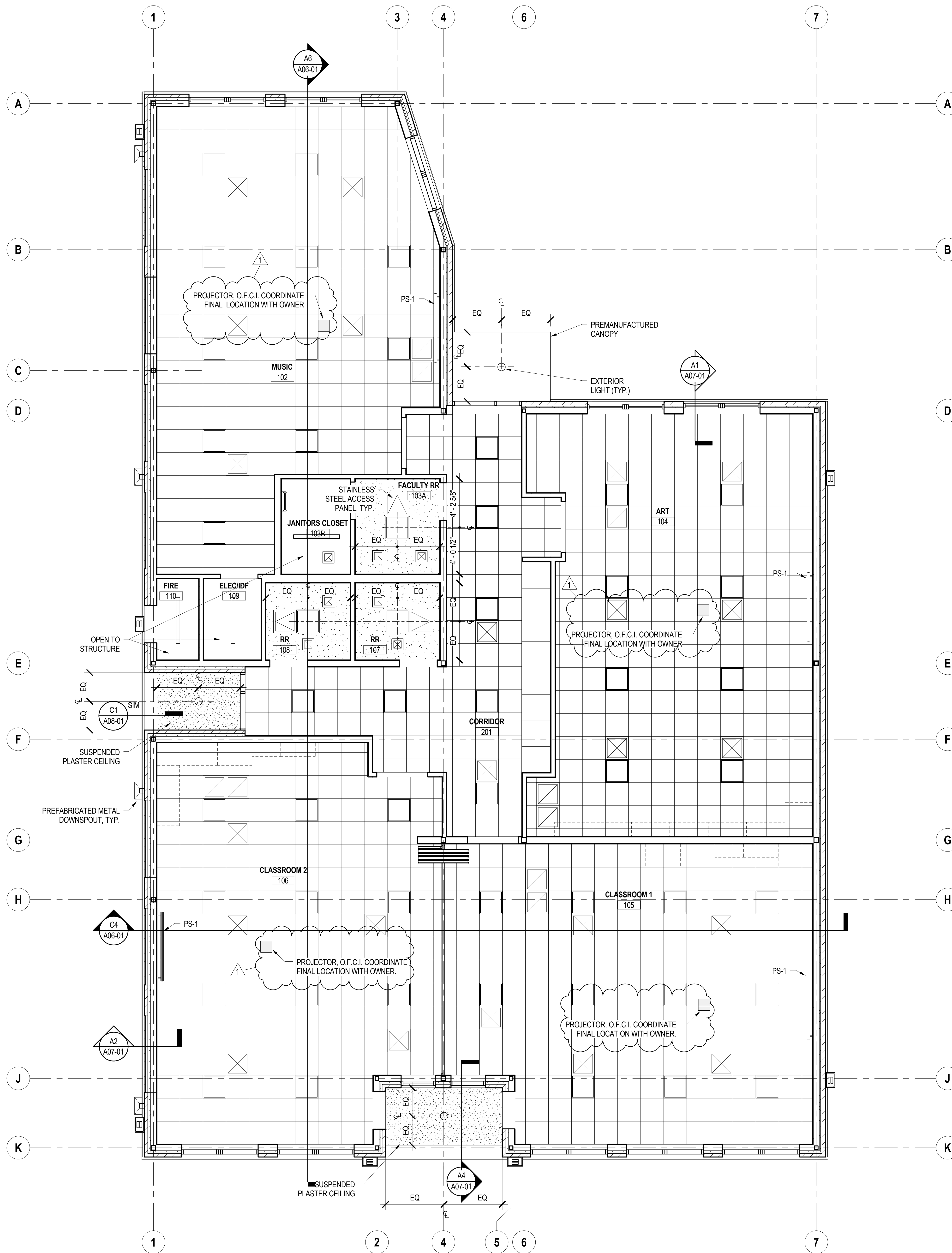
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PROJECT NO.: 201611500

SHEET NO.:

**A12-02**

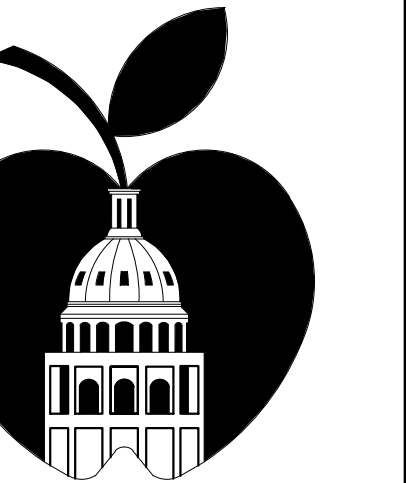
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**A4** CLASSROOM BUILDING - LEVEL 1 - REFLECTED CEILING PLAN  
1/4" = 1'-0"

**GENERAL NOTES - R.C.P.**

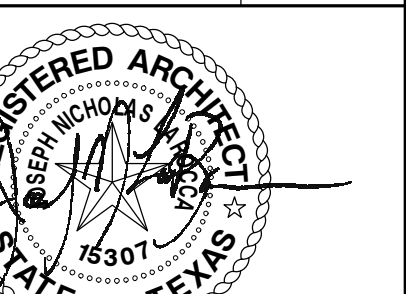
- 1 THESE NOTES APPLY TO ALL REFLECTED CEILING PLAN SHEETS
- 2 REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR DESIGN OF THESE SYSTEMS (DUCT SIZES, CIRCUITING, ETC.)
- 3 VERIFY FIELD CONDITIONS AND LOCATIONS OF ALL PLUMBING, DUCTS, STRUCTURAL ELEMENTS, AND OTHER APPLICABLE ITEMS. ARRANGE AND MODIFY NON-VIABLE ITEMS TO ENSURE ADEQUATE CLEARANCE FOR CEILING LAY-OUT AS SHOWN.
- 4 FINAL SPRINKLER HEAD LOCATIONS SHALL BE SET BY ENGINEER AND COORDINATED WITH ARCHITECT. CENTER HEADS IN ACOUSTICAL TILE OR CEILING PANELS WHERE POSSIBLE U.N.O.
- 5 CEILING HEIGHT SHALL BE 9'-6" ABOVE FINISHED FLOOR, U.N.O.
- 6 REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPE SCHEDULE.
- 7 REFER TO INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION CONCERNING CEILING HEIGHTS, CEILING MATLS AND FURRED CEILINGS.
- 8 MEASURE EACH CEILING AREA AND ESTABLISH LAYOUT OF ACOUSTICAL UNITS AS SHOWN TO BALANCE BORDER WIDTHS AT OPPOSITE EDGES OF EACH CEILING.
- 9 ALL LIGHT SWITCHES SHALL BE LOCATED 48" TO CENTERLINE ABOVE FINISH FLOOR AND BE LOCATED 6" FROM STRIKE SIDE OF DOOR, U.N.O. COORDINATE WITH ELECTRICAL.
- 10 ALL THERMOSTATS SHALL BE LOCATED 48" TO CENTERLINE ABOVE FINISH FLOOR. WHEN LIGHT SWITCH AND THERMOSTATS OCCUR TOGETHER, INSTALL BOTH ALIGNED HORIZONTALLY AT CENTERLINE. COORDINATE WITH MECHANICAL.
- 11 QUANTITY AND APPROXIMATE LOCATION OF THERMOSTATS SHALL BE DETERMINED BY HVAC ENGINEER. LOCATIONS SHALL BE SUBMITTED TO ARCHITECT / DESIGNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- 12 KEYNOTES AND LEGENDS ARE TYPICAL FOR ALL RCP PLAN SHEETS, AND MAY NOT APPLY TO EACH SHEET.
- 13 SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR DIFFUSERS, FIXTURES, EQUIPMENT, GRILLES, DUCTS, ETC. TYPES AND SIZES.
- 14 CEILINGS AND OTHER SUSPENDED ITEMS SHALL BE ATTACHED TO STRUCTURE BY FULLY EMBEDDED OR "SHEAR" CONNECTION. PULL OUT CONNECTIONS ARE NOT ACCEPTABLE.
- 15 ALL GYPSUM BOARD CEILINGS SHALL BE 5/8" TYPE 'X' GYPSUM BOARD ON SUSPENDED LIGHT GAUGE FRAMING PER THE SPECIFICATIONS.
- 16 CEILING / SOFFIT HEIGHTS ARE NOTED ON REFLECTED CEILING PLANS. HEIGHTS ARE ABOVE FINISH FLOOR.
- 17 CENTER ALL DEVICES, SPRINKLER HEADS, ETC. IN CEILING TILES.
- 18 PROVIDE CONTINUOUS SOUND BATT INSULATION ABOVE ALL TOILET ROOM CEILINGS.
- 19 FIRE SPRINKLER CONTRACTOR SHALL REFERENCE ALL DRAWINGS AND SPECIFICATIONS FOR DETERMINING PROPER COVERAGE AND SPRINKLER HEAD LAYOUT / DESIGN.
- 20 ALL GYP. CEILINGS AND SOFFITS TO BE PT-1 UNLESS NOTED OTHERWISE. SEE CEILING DETAILS FOR ADDITIONAL INFORMATION.



AUSTIN INDEPENDENT SCHOOL DISTRICT  
AISD PROJECT NO.: 17-0023 LEE

A.I.S.D. 17-0023 - LEE  
ELEMENTARY SCHOOL  
CLASSROOM BUILDING  
3308 HAMPTON ROAD, AUSTIN, TX 78705

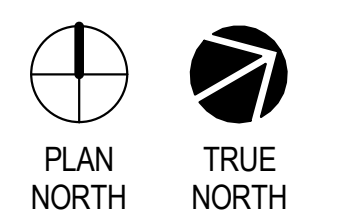
1	ADDENDUM 01	11/28/2018
NO.	REVISION	DATE



JOSEPH NICHOLAS LARocca TX ARCHITECT LIC # 15507  
SHEET NAME:

**REFLECTED  
CEILING PLAN -  
LEVEL 1**

DATE: 10/18/2018  
REVIEWED BY: GSC  
PROJECT NO.: 201611500  
SHEET NO.:



**A14-01**



# SPECIAL INSPECTION TABLES FOR STRUCTURAL ELEMENTS - 2015

## SPECIAL INSPECTIONS

- Special Inspectors shall be performed in accordance with Chapter 17 of the 2015 International Building Code (IBC) by a Special approved agency according to the City's building official to perform the special inspections for which they will be undertaking. The Contractor shall coordinate with and notify the Special Inspector of all tests. The Special Inspector shall be responsible to verify that the items defined in the Construction Documents were built according to and shall prepare a sign and retain inspection report. The Special Inspector shall be responsible to verify that the items defined in the Construction Documents were built according to and shall prepare a sign and retain inspection report. Immediate attention of the General Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the building official and to the Architect prior to the completion of that phase of the work. These special inspections are in addition to the other inspections listed in these Structural Notes or Project Specifications.
- Where structural load-bearing members and assemblies are shop fabricated, the Special Inspector shall verify that the fabricator maintains detailed fabrication and quality control procedures that provide a basis for inspection control of the workmanship and the quality of the work. The Special Inspector shall verify that the fabricator maintains detailed fabrication and quality control procedures that provide a basis for inspection control of the workmanship and the quality of the work. The Special Inspector shall verify that the fabricator maintains detailed fabrication and quality control procedures that provide a basis for inspection control of the workmanship and the quality of the work.

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION		REFERENCE STANDARD	IBC REFERENCE
	CONTINUOUS	PERIODIC		
YES	1. Inspection tasks prior to welding	X	--	
YES	a. Welding procedure specifications (WPS) available	X	--	
YES	b. Manufacturer certifications for welding consumables available	X	--	
YES	c. Material identification (type/grade) ?	X	X	
YES	d. Welder identification system ?	X	X	
YES	e. Fit-up of groove welds (including joint geometry) ?	--	X	ASCC 390-10 NS-4.1-1 NS-5.1-1
YES	1. Joint preparation	--	X	
YES	2. Dimensions (alignment, root opening, root face bevel)	--	X	
YES	3. Tacking (back tacking and lead tacking)	--	X	
YES	4. Backing type and fit (if applicable)	--	X	
YES	1. Configuration and finish of access holes, ?	--	X	
YES	g. Fit-up of fillet welds ?	--	X	
YES	1) Dimensions (alignment, gaps at root)	--	X	
YES	2) Tacking (back tacking and lead tacking)	--	X	
YES	3) Tacking (back tacking and lead tacking)	--	X	
YES	h. Check welding equipment	--	X	
YES	2. Inspection tasks during welding	--	X	
YES	a. Use of qualified welders	--	X	
YES	b. Control and handling of welding consumables ?	--	X	
YES	1) Preheating	--	X	
YES	2) Exposure control	--	X	
YES	c. No welding over cracked back welds ?	--	X	
YES	d. Environmental conditions ?	--	X	
YES	1) Precipitation and temperature	--	X	
YES	e. WPS followed ?	--	X	ASCC 390-10 NS-4.2-1 AWS D1.1
YES	1) Tensile strength of weld equipment	--	X	
YES	2) Travel speed	--	X	
YES	3) Selected welding materials	--	X	
YES	4) Shielding gas flow rate	--	X	
YES	5) Interpass temperature maintained (min./max.)	--	X	
YES	6) Interpass temperature maintained (min./max.)	--	X	
YES	7) Proper position (F, V, H, OH)	--	X	
YES	f. Welding techniques ?	--	X	
YES	1) Preheating and interpass heating	--	X	
YES	2) Each pass within profile limitations	--	X	
YES	3) Each pass meets quality requirements	--	X	
YES	3. Inspection tasks after welding	--	X	
YES	a. Welds cleaned	--	X	
YES	b. Size, length and location of welds	--	X	
YES	c. Welds meet visual acceptance criteria	--	X	
YES	1) Crack prohibition	--	X	
YES	2) Weldbase-metal fusion	--	X	
YES	3) Crown cross section	--	X	
YES	4) Weld size	--	X	
YES	5) Undercut	--	X	
YES	6) Porosity	--	X	
YES	d. Arc strikes	--	X	
YES	e. K-area's ?	--	X	
YES	f. Backing removed and weld tabs removed (if required)	--	X	
YES	g. Repair activities	--	X	
YES	h. Document acceptance or rejection of welded joint or member	--	X	

- Inspection tasks noted in this table are the responsibility of the Special Inspector of Quality Assurance Inspector (SQAI). The fabricator and erector are responsible for all inspection tasks indicated in ASCC 390-10 Section NS and assigned to the Quality Control Inspector (QCI).
- Inspection tasks may be coordinated with the fabricator or erector's Quality Control Inspector (QCI) where indicated with this footnote. All other tasks shall be performed by the Special Inspector.
- When welding of double plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. (75 mm) of the weld.

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION		REFERENCE STANDARD	IBC REFERENCE
	CONTINUOUS	PERIODIC		
YES	1. Inspection tasks prior to bolting	X	--	
YES	a. Manufacturer's certifications available for fastener materials	X	--	
YES	b. Fasteners marked in accordance with ASTM requirements	X	X	
YES	c. Proper fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane) ?	X	X	
YES	d. Proper bolting procedure selected for joint detail ?	--	X	ASCC 390-10 NS-6-1
YES	e. Connecting elements, including the appropriate lagging	--	X	
YES	f. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	--	X	
YES	g. Proper storage provided for bolts, nuts, washers and other fastener components	--	X	
YES	2. Inspection tasks during bolting	--	X	
YES	a. Fastener assemblies of suitable condition, placed in all holes and washers (if required) are positioned as required ?	--	X	
YES	b. Joint brought to the snug-tight condition prior to the prestressing operation ?	--	X	ASCC 390-10 NS-6-2
YES	c. Fastener component not turned by the wrench prevented from rotating ?	--	X	
YES	d. Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	--	X	
YES	3. Inspection tasks after bolting	--	X	
YES	a. Document acceptance or rejection of bolted connections	X	--	ASCC 390-10 NS-6-3

- Inspection tasks noted in this table are the responsibility of the Special Inspector of Quality Assurance Inspector (SQAI). The fabricator and erector are responsible for all inspection tasks indicated in ASCC 390-10 Section NS and assigned to the Quality Control Inspector (QCI).
- Inspection tasks may be coordinated with the fabricator or erector's Quality Control Inspector (QCI) where indicated with this footnote. All other tasks shall be performed by the Special Inspector.

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION		REFERENCE STANDARD	IBC REFERENCE
	CONTINUOUS	PERIODIC		
YES	1. Cold-formed steel deck	--	X	
YES	a. Roof deck welds	--	X	SDI QAOOC 1705.2.2

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION		REFERENCE STANDARD	IBC REFERENCE
	CONTINUOUS	PERIODIC		
YES	1. Installation of open-web steel joists	--	X	
YES	a. End connections - welding or bolting	--	X	SJI Specs per IBC 2207.1
YES	b. Bridging - horizontal or diagonal	--	X	SJI Specs per IBC 2207.1
YES	1. Standard bridging	--	X	
YES	2. Bridging that differs from the SJI specifications listed in IBC Section 2207.1	--	X	

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION		REFERENCE STANDARD	IBC REFERENCE
	CONTINUOUS	PERIODIC		
YES	1. Inspection of reinforcing steel and placement	X	ACI 318 CH. 20 25.2, 25.3 28.5.1, 28.5.3	1908.4
YES	2. Reinforcing bar welding	--	--	--
YES	a. Verify weldability of reinforcing bars other than ASTM A706	X	ANSI A7.4 ACI 318 28.5.4	--
YES	b. Inspect single-pass fillet welds, maximum 5/16"	X	--	--
YES	c. Inspect all other welds	--	--	--
YES	3. Inspection of anchors cast in concrete	X	ACI 318-17.8.2	--
YES	a. Adhesive anchors installed in hardened concrete	X	ACI 318-17.8.2.4	--
YES	b. Mechanical anchors and adhesive anchors not defined in 4.8a	X	ACI 318-17.8.2	--
YES	Special Inspector must be certified by ACI/CRSI Adhesive Anchor Installer. A report must be submitted to the licensed design professional and building official documenting, stating how each installation instructions per ACI 318	--	ACI 318 17.8.2.2	--
YES	5. Verify use of required design mix	X	ACI 318 CH. 19 26.4.3, 26.4.4 1908.2, 1908.3	1904.1, 1904.2
YES	6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	X	ASTM C172 ACI 318-28.4.5, 28.4.6, 28.4.7	1908.10
YES	7. Inspect concrete placement for proper application techniques	X	ACI 318-1908.5, 1908.6	--
YES	8. Verify maintenance of specified curing temperature and techniques	X	ACI 318-28.4.9	1908.9
YES	9. Inspection of prestressed concrete	--	--	--
YES	a. Application of prestressing forces	X	ACI 318-26.10.2	--
YES	b. Grouting of bonded prestressing tendons	X	ACI 318-26.10.2	--
YES	10. Inspect erection of precast concrete members	X	ACI 318-26.10.1(b)	--
YES	11. Verify in-situ concrete strength, prior to removal of shores and forms from grade beams	X	ACI 318-26.10.2	--
YES	12. Inspection template for shape, location and dimensions of the concrete member being formed	X	ACI 318-26.10.1(b)	--

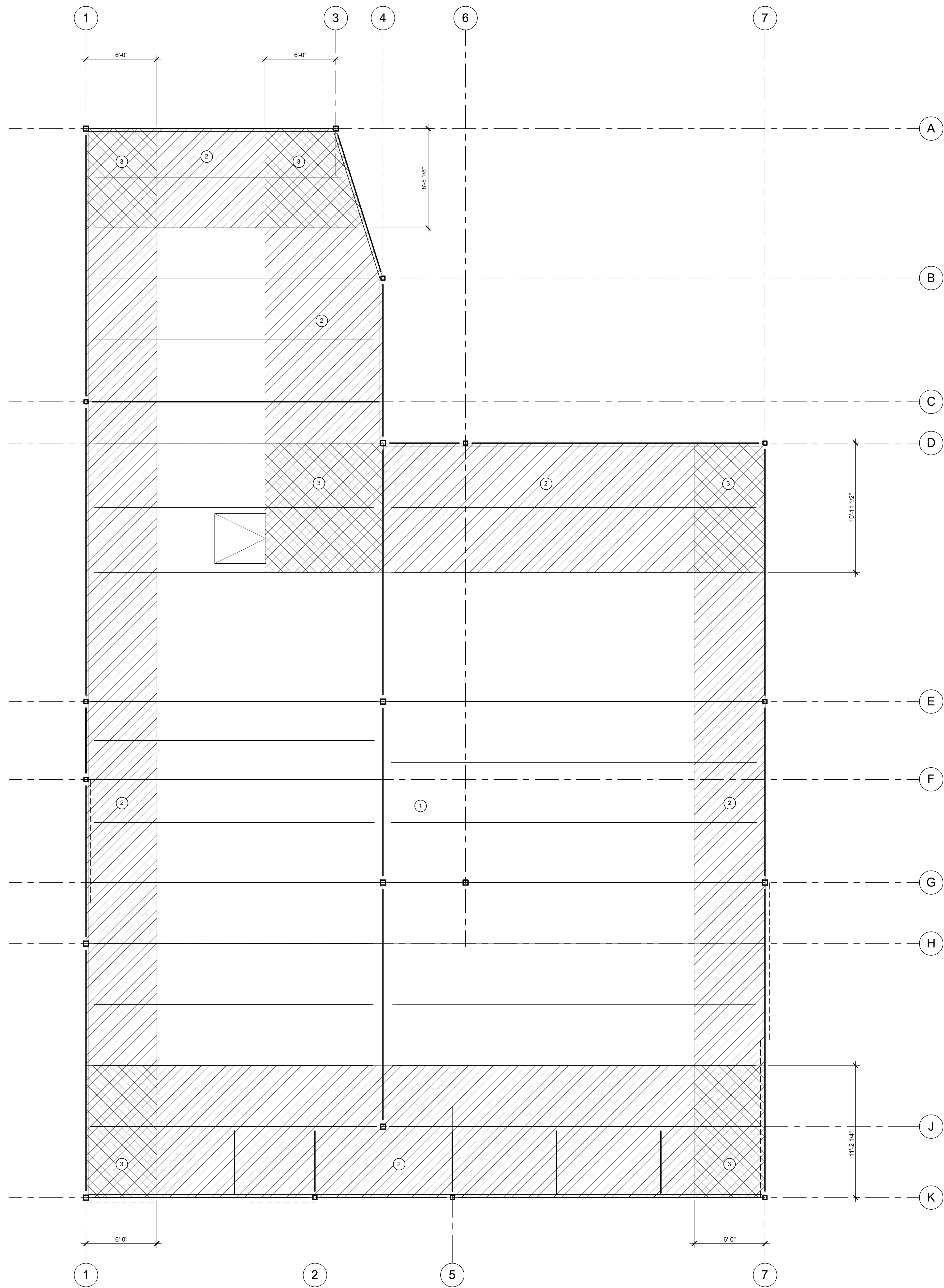
SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION		REFERENCE STANDARD	IBC REFERENCE
	CONTINUOUS	PERIODIC		
YES	1. Verify materials below allowable	--	X	
YES	2. Verify excavations are extended to proper depth and have reached proper material	--	X	
YES	3. Perform classification and testing of compacted fill materials	X	X	
YES	4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	X	--	
YES	5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly	--	X	

Sheet Number	Sheet Name
S01-01	STRUCTURAL NOTES
S01-02	STRUCTURAL NOTES
S02-03	SPECIAL INSPECTIONS
S02-04	FOUNDATION DETAIL DECK ATTACHMENT PLAN
S03-01	FOUNDATION PLAN
S03-02	ROOF FRAMING PLAN
S04-01	TYPICAL CONCRETE DETAILS
S04-02	TYPICAL CONCRETE DETAILS
S04-03	TYPICAL CONCRETE DETAILS
S04-04	TYPICAL CONCRETE DETAILS
S04-05	FOUNDATION DETAILS
S04-06	FOUNDATION DETAILS
S04-07	FOUNDATION DETAILS
S04-08	FOUNDATION DETAILS
S04-09	FOUNDATION DETAILS
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S04-100	FOUNDATION DETAILS

## SHEET LIST

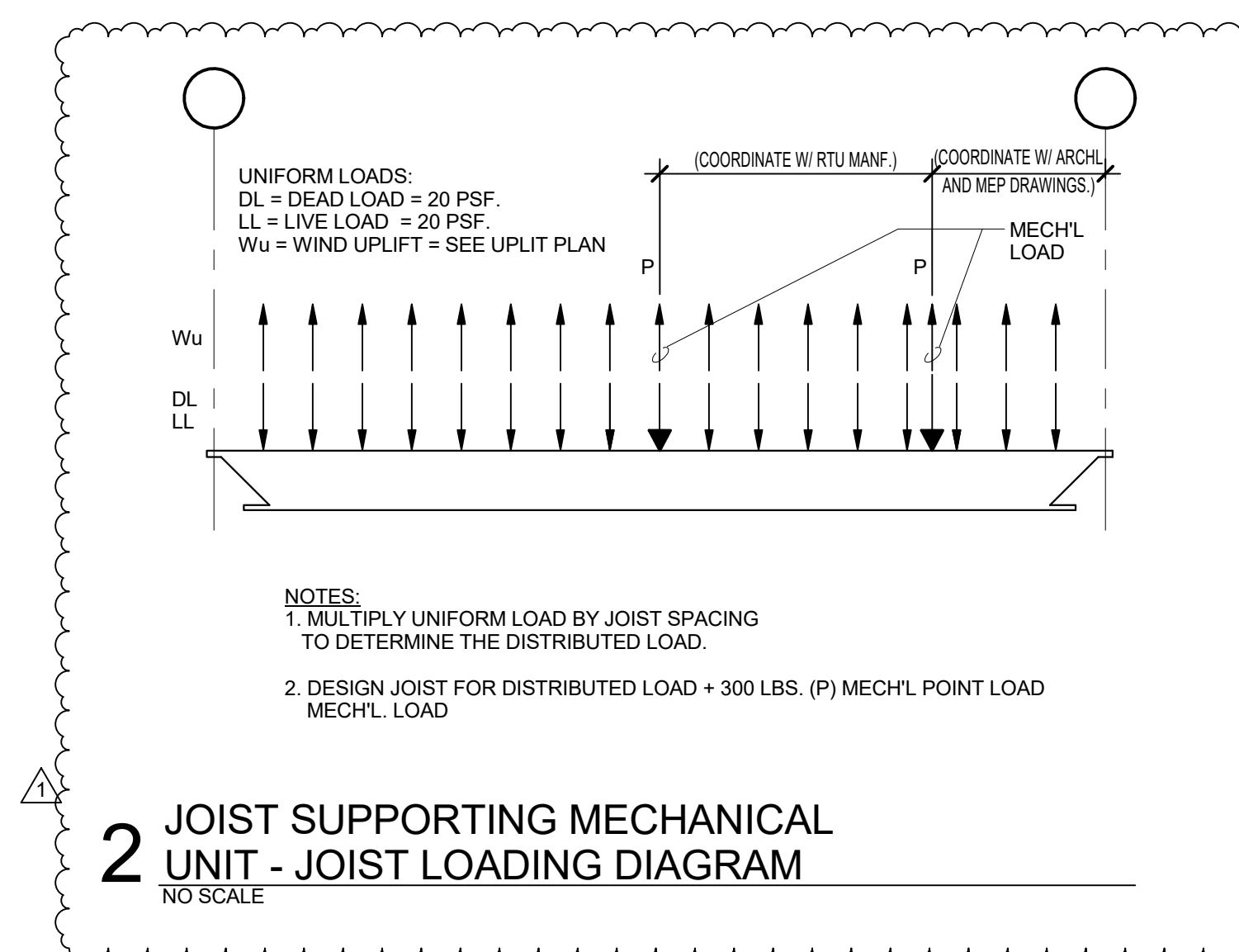
## ABBREVIATIONS

ABOVE FINISHED FLOOR	A.F.F.
ADDITIONAL	ADD.
ADHESIVE	ADH.
AIR CONDITIONER	AC
AIR HANDLING UNIT	AHU
ALTERNATE	ALT.
AMERICAN CONCRETE INSTITUTE	ACI
ANCHOR BOLT FOR STEEL CONSTRUCTION	ACB
ANCHOR BOLT	AB
ANGLE	ANG.
APPROXIMATE	APPR.
APPROXIMATE	APPROX.
ARCHITECT	ARCH.
ARCHITECTURAL EXPOSED CONCRETE	ARCH. E.C.
ARCHITECTURAL EXPOSED STRUCTURAL STEEL	ARCH. E.S.S.
AT	@
BACK FACE	BF
BEAM	BM
BEARING	BRG.
BELOW FINISH FLOOR	B.F.F.
BETWEEN	BTW.
BOTTOM	BTM.
BOTTOM OF	BO
BOTTOM OF STEEL	BOSS
BUILDING	BLDG.
CAST-IN-PLACE	C.I.P.
CEILING	CLG.
CENTER OF GRAVITY	C.G.
CENTER OF GRAVITY OR STRAND	C.G.S.
CENTERLINE	CL
CLEAR OR CL. EXPOSE	CL. EX.
COLUMN	COL.
COMPRESSION	COMP.
CONCRETE	CONC.
CONCRETE MASONRY UNIT	CONM.
CONSTRUCTION	CONSTR.
CONSTRUCTION JOINT	CONST. JT.
CONTINUOUS	CONT.
CONTROL JOINT	CONJ.
COORDINATE	COORD.
DIAGONAL	DIAG.
DIAGONAL BAR ANCHOR	DBA
DRILLING	DRILL
DOWN	DN
DRAWING	DWG.
EACH	EAC.
EACH FACE	EAC. F.
EACH WAY	EAC. W.
ELECTRICAL	ELEC.
ELEVATION	ELEV.
EQUIPMENT	EQUIP.
EXPANSION JOINT	EXJ.
EXTENSION	EXT.
FABRICATE	FAB
FAR SIDE	F.S.
FIELD VERTICAL	F.V.
FINISH FLOOR	FF
FINISH FLOOR FINISH	FF.F.
FINISH FLOOR FINISH	FF.F.
FOOT OR FEET	FT.
FOUNDATION	FDN.
GAGE OR GAUGE	GA.
GENERAL CONTRACTOR	GC.
GRADE BEAM	GR. BM.
HEADED STUD ANCHOR	H.S.A.
HEADER	HD.
HEIGHT	HT.
HIGH POINT	HP
HORIZONTAL SECTION	H.S.
HORIZONTAL BRACE	H.B.
HORIZONTAL	HORZ.
HORIZONTAL BRACE	H.B.
INSULATION	INS.
INSIDE DIAMETER	ID.
INSIDE FACE	I.F.
INTERIOR	INT.
INTERMEDIATE	INTERM.
JOINT	JT.
JOIST GIRDER	J.G.
JOIST GIRDER	J.G.
KIP PER LINEAR FOOT	K/LF
KIP PER SQUARE FOOT	K/SF
KIP PER SQUARE INCH	K/SI
KIP PER LINEAR INCH	K/LI
LONG LEG HORIZONTAL	L.L.H.
LONG LEG VERTICAL	L.L.V.
LONG SIDE HORIZONTAL	L.S.H.
LONG SIDE VERTICAL	L.S.V.
LONG	LONG
MANUFACTURER	MANUF.
MATERIAL	MAT.
MECHANICAL	MECH.
METAL	MET.
METAL ELECTRICAL PLUMBING	M.E.P.
METAL	MET.
METAL	MET.
MEZZANINE	MEZZ.
MIDDLE	MID.
MISCELLANEOUS	MISC.
MOMENT CONNECTION	M.C.
NEAR FACE	N.F.
NON-SINK	N.S.
NOT IN CONTACT	NOT IN CONTACT
NOT TO SCALE	N.T.S.
NUMBER	NO. OR N.
ON CENTER	O.C.
OPENING	OPNG.
OPPOSITE END	OPP.
OUTSIDE DIAMETER	O.D.
OUTSIDE FACE	O.F.
PAN	P.
PANEL JOINT	P.J.
PARALLEL	PAR.
PENETRATING	PENP.
PERPENDICULAR	PERP.
PLATE	PL.
PLATE (REINFORCED)	PL. R.
POUNDS PER CUBIC FOOT	PCF
POUNDS PER LINEAR FOOT	PLF
POUNDS PER SQUARE INCH	PSI
POUNDS PER SQUARE INCH	PSI
PRE-ENGINEERED METAL BUILDING	P.E.M.B.
PRECAST CONCRETE	P.P.C.
PRECAST CONCRETE	P.P.C.
PRECAST CONCRETE	P.P.C.
PRECAST CONCRETE	P.P.C.
PROJECTION	PROJ.
QUANTITY	QTY.
RAJAS	R.
REINFORCED (REINFORCEMENT)	REINFORCED
REINFORCER	REIN.
REINFORCE	REIN.

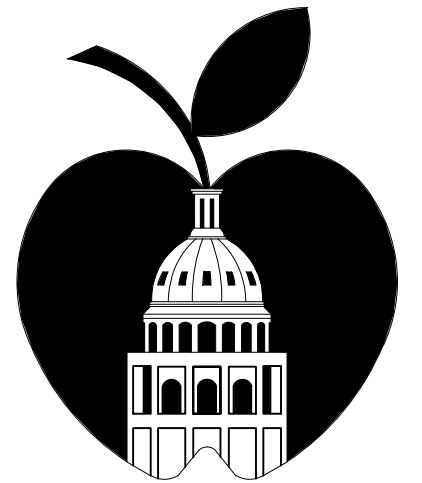


**1 WIND UPLIFT AND ROOF DECK ATTACHMENT PLAN**  
SCALE: 1/4" = 1'-0"

WIND NET UPLIFT PRESSURE (ASCE 7-10) & METAL ROOF DECK ATTACHMENT								
HATCH	ZONE	ROOFING	DECKING	JOIST/BEAM	ROOF CONNECTION PATTERN	SIDE LAP PATTERN	NOTES	DECK SHEAR STRENGTH
[Hatched Pattern]	1	+10.0 -17.2	+10.0 -15.0	+10.0 -12.25	36/7 (5/8" PUDDLE WELDS)	(4) - #10 TEKS		418 PLF
[Diagonal Hatched Pattern]	2	+15.9 -29.0	+15.22 -25.0	+12.8 -15.25	36/7 (5/8" PUDDLE WELDS)	(4) - #10 TEKS		418 PLF
[Cross-hatched Pattern]	3	+15.9 -29.0	+15.22 -25.0	+12.8 -15.25	36/7 (5/8" PUDDLE WELDS)	(4) - #10 TEKS		418 PLF



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AUSTIN INDEPENDENT SCHOOL DISTRICT  
AISD PROJECT NO.: 17-0023 LEE

A.I.S.D. 17-0023 - LEE  
ELEMENTARY SCHOOL  
CLASSROOM BUILDING  
3308 HAMPTON ROAD, AUSTIN, TX 78705

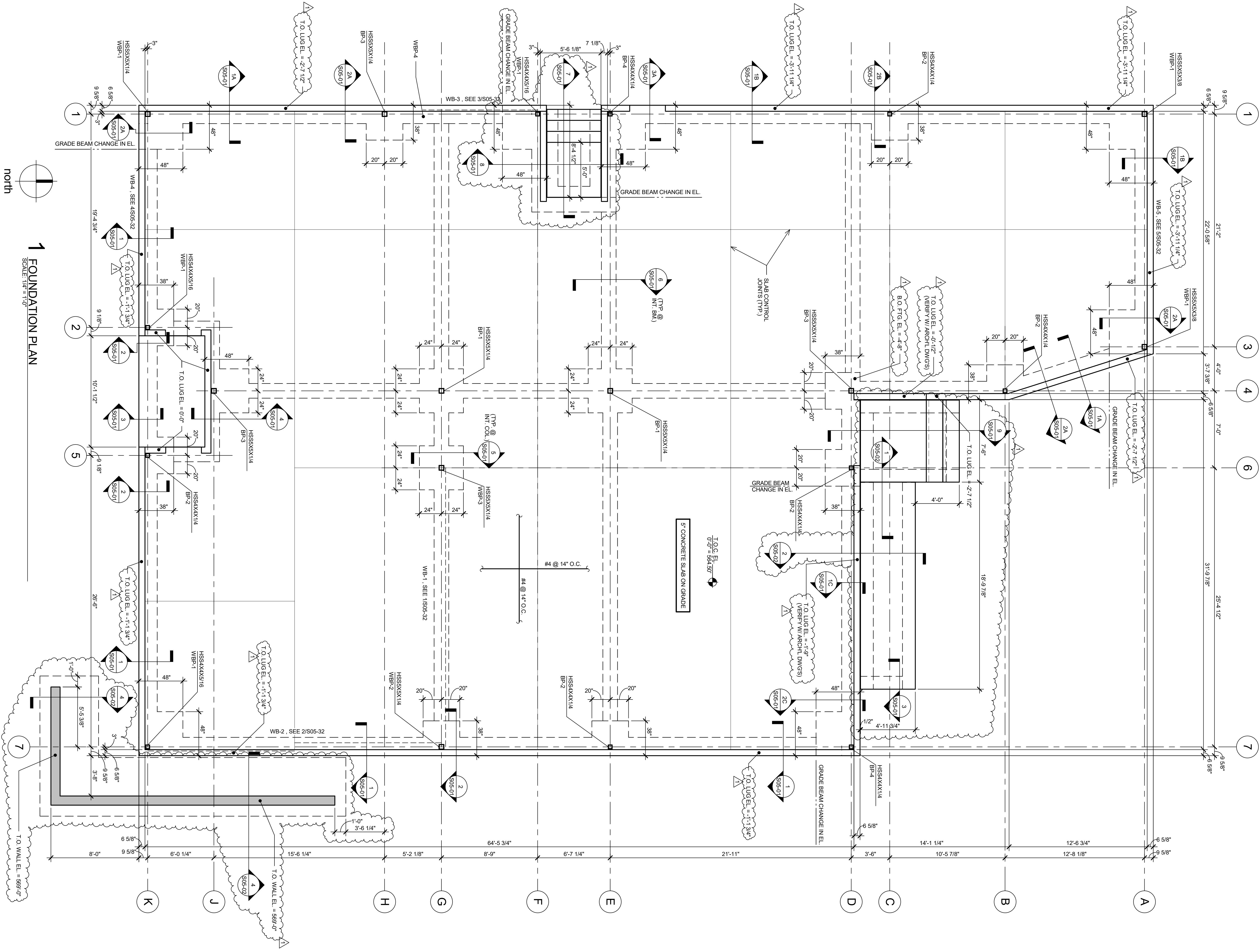
**JQ + TSEN**  
JQ + TSEN, LLC  
210 HANFORD SPRINGS RD, SUITE 200 AUSTIN, TEXAS 78704  
512-474-4001  
A/I PROJECT NO.: 201611500 TYPE: PRINT - 12/23

1	ADDENDUM 01	11/13/2018
NO.	REVISION	DATE

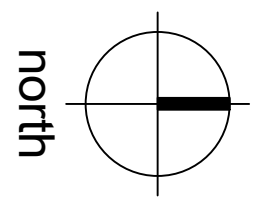


SHEET NAME:  
**WIND UPLIFT AND ROOF DECK ATTACHMENT PLAN**

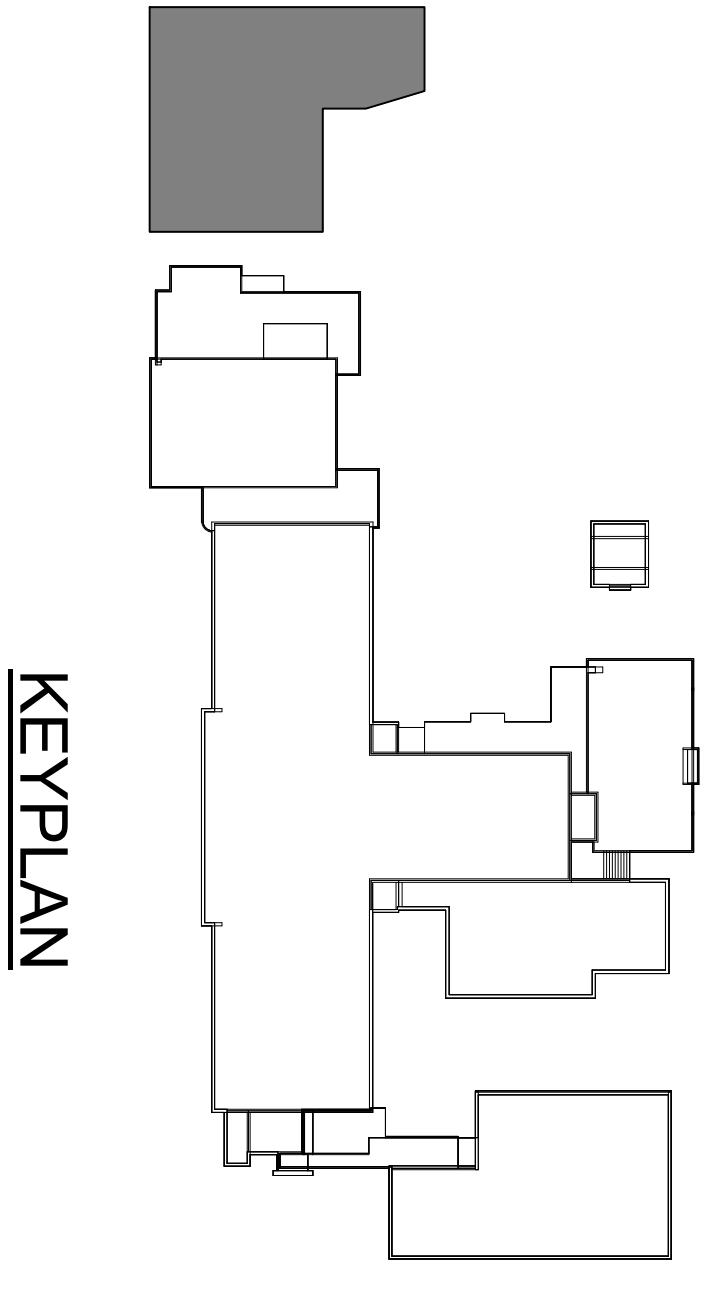
DATE: 10/18/2018  
REVIEWED BY: Checker  
PROJECT NO.: 201611500  
SHEET NO.:  
**S02-01**



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



- PLAN NOTES:
1. TOP OF CONCRETE ELEVATION (T.O.C. EL.) = FINISH FLOOR, UNLESS RECESSED TO RECEIVE FLOORING MATERIALS.
  2. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FLOOR RECESSES, DROPS AND SLORES NOT DIMENSIONED ON PLAN.
  3. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO DRILLING PIERS.
  4. TO DRILLING PIERS.
  5. BRICK LEDGE ELEVATION VARIES SEE PLAN.

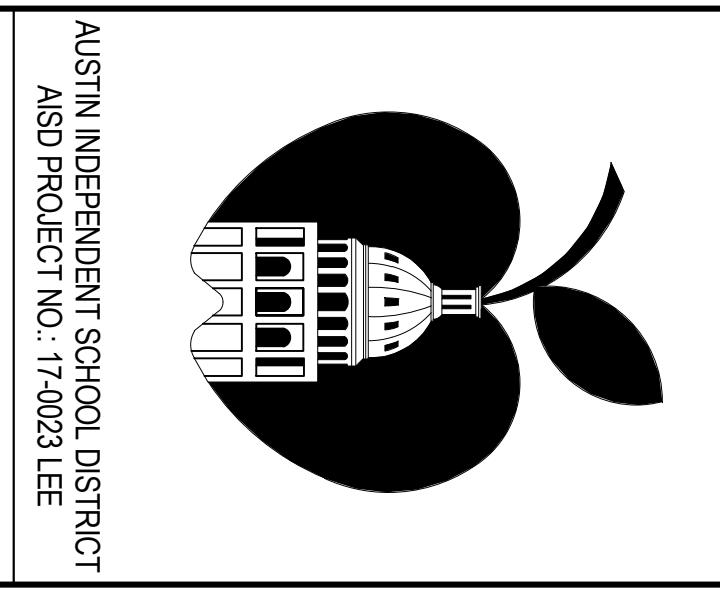


KEY PLAN

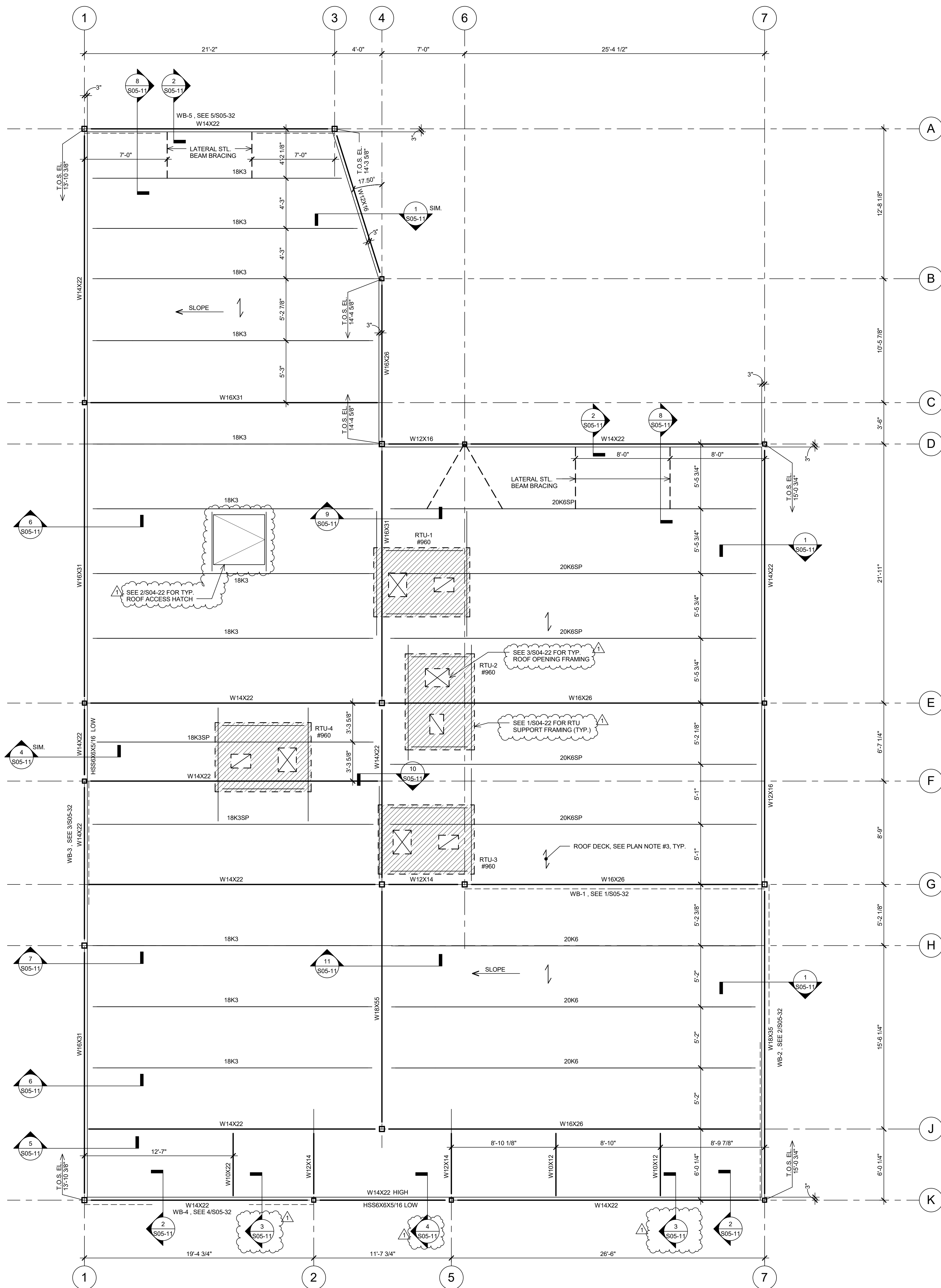
SHEET NAME:		11/13/2018
FOUNDATION PLAN		
DATE:	10/18/2018	
REVIEWED BY:	ST	
PROJECT NO.:	20161500	
SHEET NO.:	S03-01	

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7020 DOWLING PARKWAY  
DALLAS, TEXAS 75243

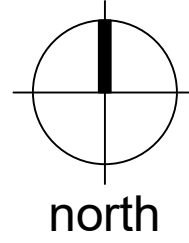
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ELEMENTARY SCHOOL  
CLASSROOM BUILDING  
3308 HAMPTON ROAD, AUSTIN, TX 78705



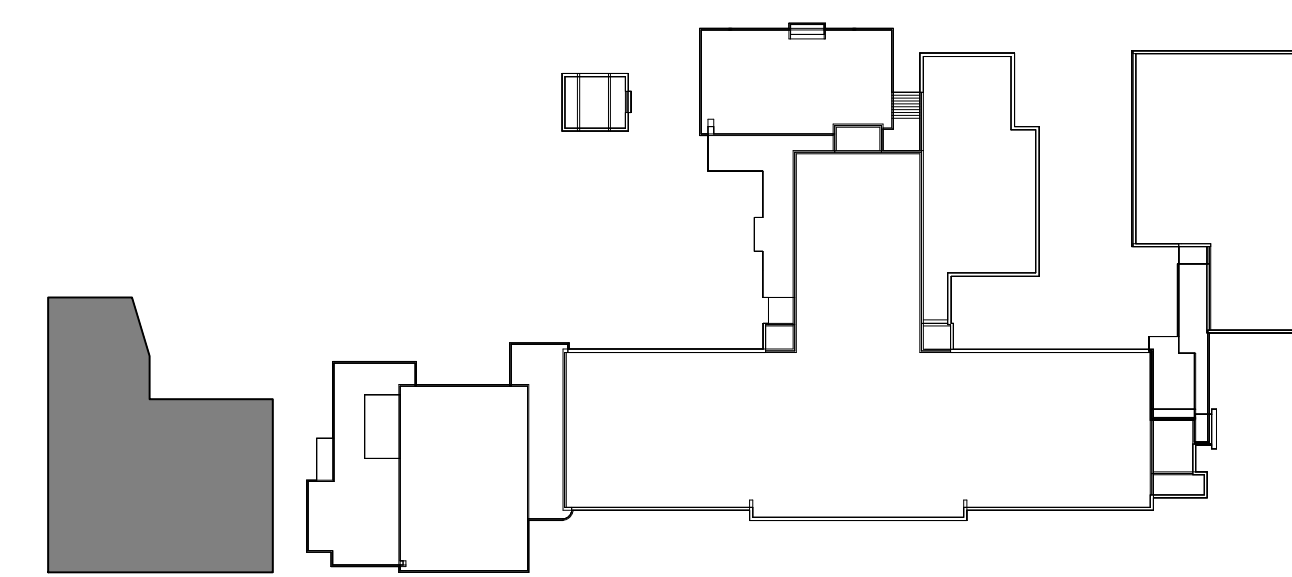
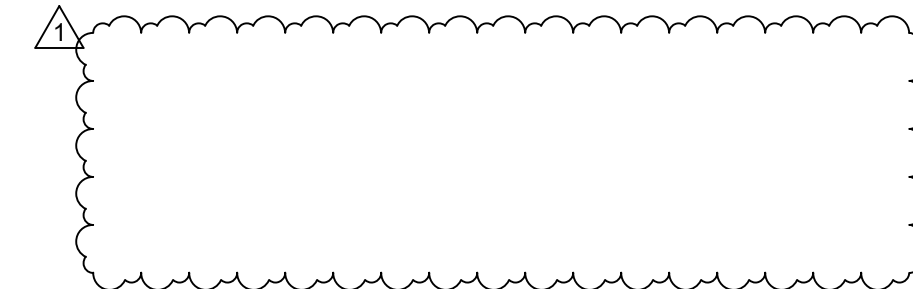
**GSC Architects**  
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Austin, Texas 78746  
Phone: 512.477.9417



**1 ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

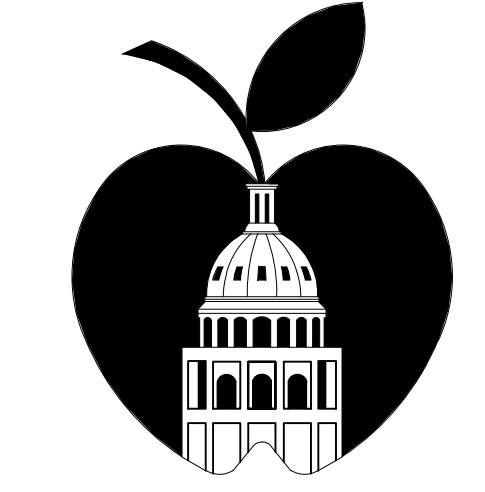


- PLAN NOTES:**
- TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. SEE ELEVATIONS NOTED ON THE PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES, UNLESS NOTED OTHERWISE.
  - TOP OF STEEL ELEVATION (T.O.S. EL.) = TOP OF BEAM, JOIST, OR MEMBER SUPPORTING ROOF DECK = BOTTOM OF DECK.
  - ROOF DECK SHALL BE 1.5 TYPE B 22 GAUGE METAL DECK.
  - SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND DIMENSIONS OF ROOF PENETRATIONS NOT DIMENSIONED ON PLAN. CONTRACTOR TO COORDINATE.
  - STEEL JOISTS SHALL BE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES, UNLESS NOTED OTHERWISE.
  - JOISTS NOTED AS "SP" ARE SPECIAL DESIGNS TO BE PROVIDED BY SUPPLIER FOR LOADINGS INDICATED.



**KEYPLAN**

**GSC Architects**  
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Phone: 512.477.9417



AUSTIN INDEPENDENT SCHOOL DISTRICT  
AISD PROJECT NO.: 17-0023 LEE

**A.I.S.D. 17-0023 - LEE  
ELEMENTARY SCHOOL  
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210 RAYFORD SPRINGS RD., SUITE 230 AUSTIN, TEXAS 78704  
512-474-4001  
A07 PROJECT NO.: 2180009 TYPE: PRFM-1/2/2/3

NO.	REVISION	DATE
1	ADDENDUM 01	11/13/2018



SHEET NAME:

**ROOF FRAMING PLAN**

DATE: 10/18/2018  
REVIEWED BY: ST  
PROJECT NO.: 201611500  
SHEET NO.:

**S03-02**

SEE PROJECT INFORMATION

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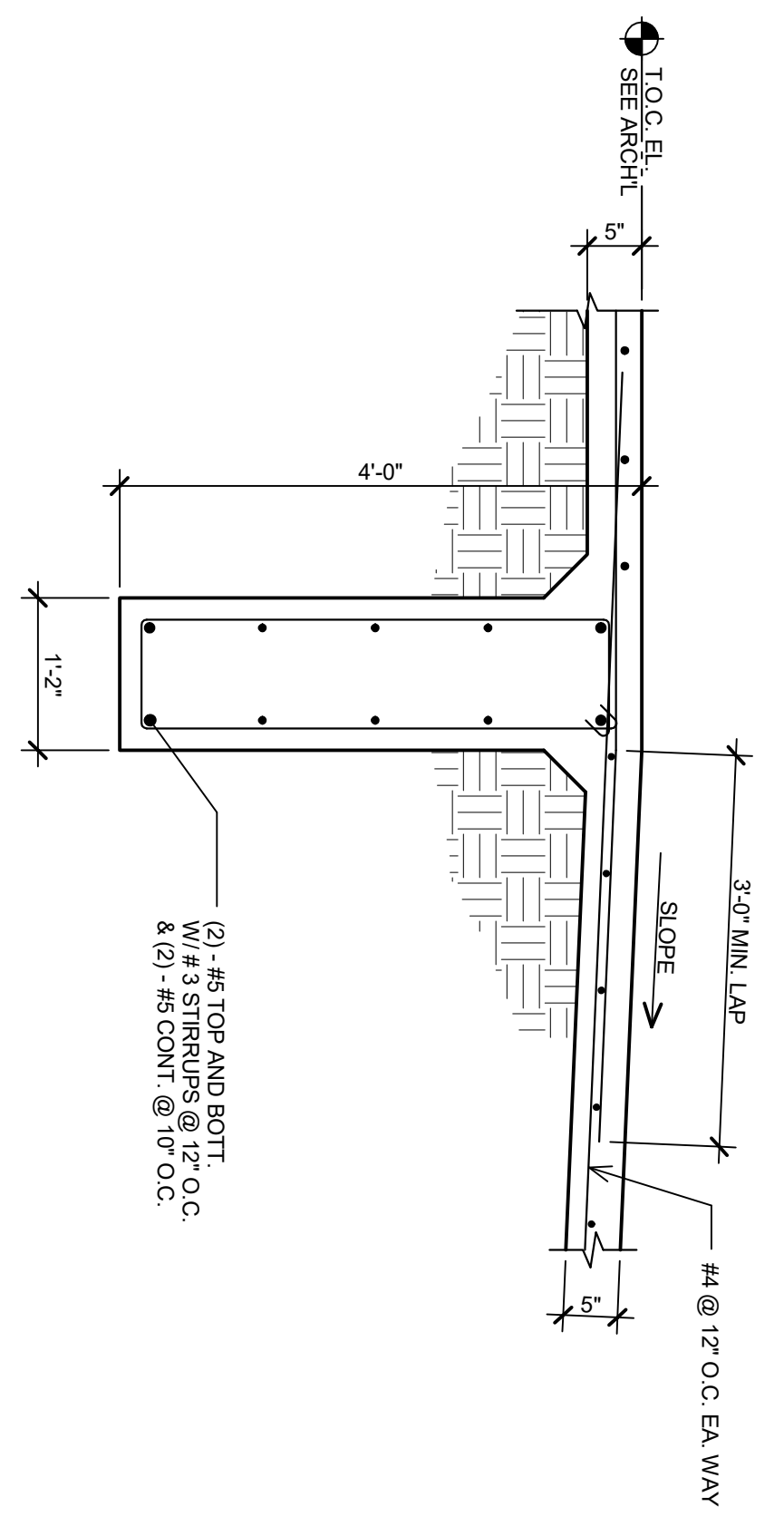
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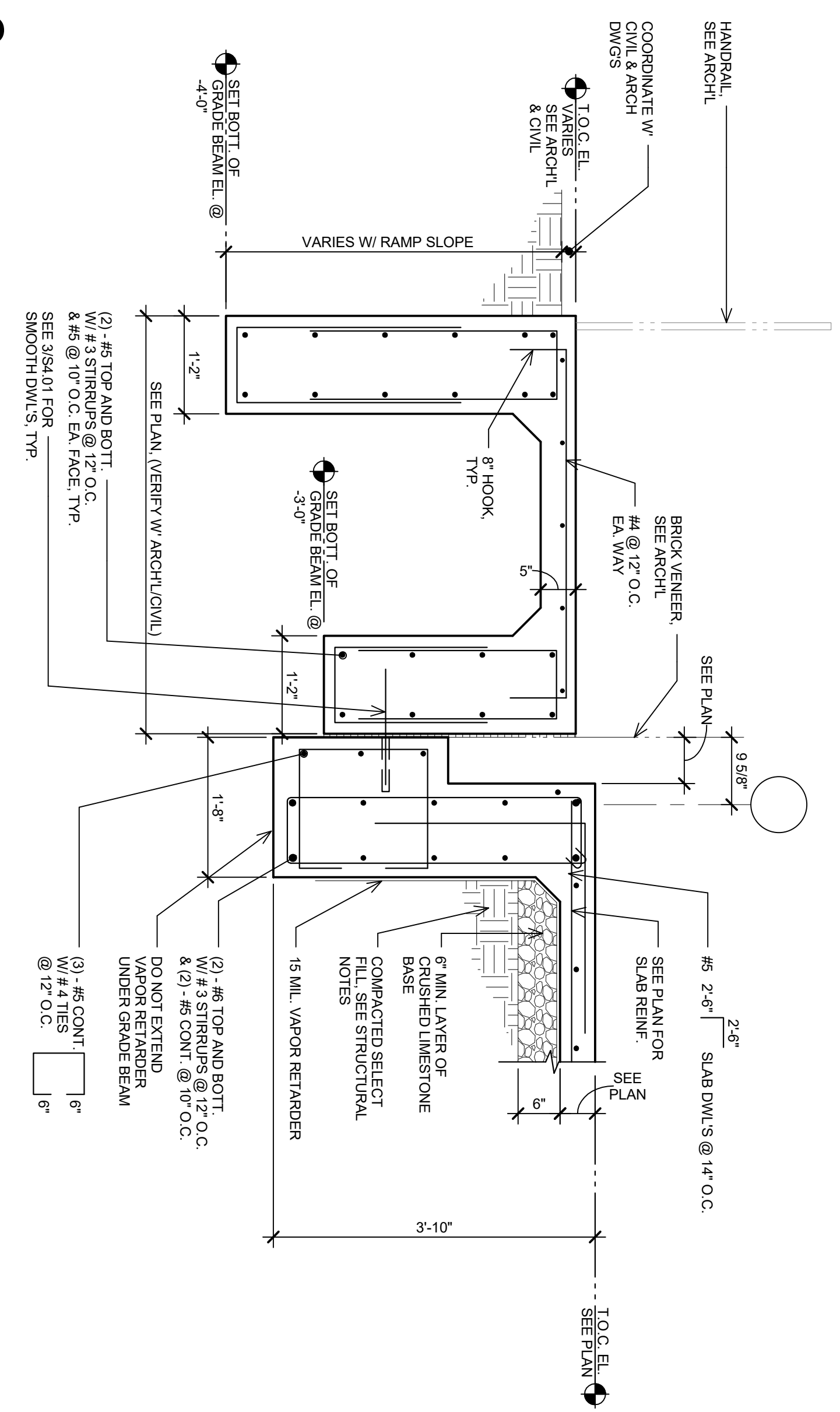




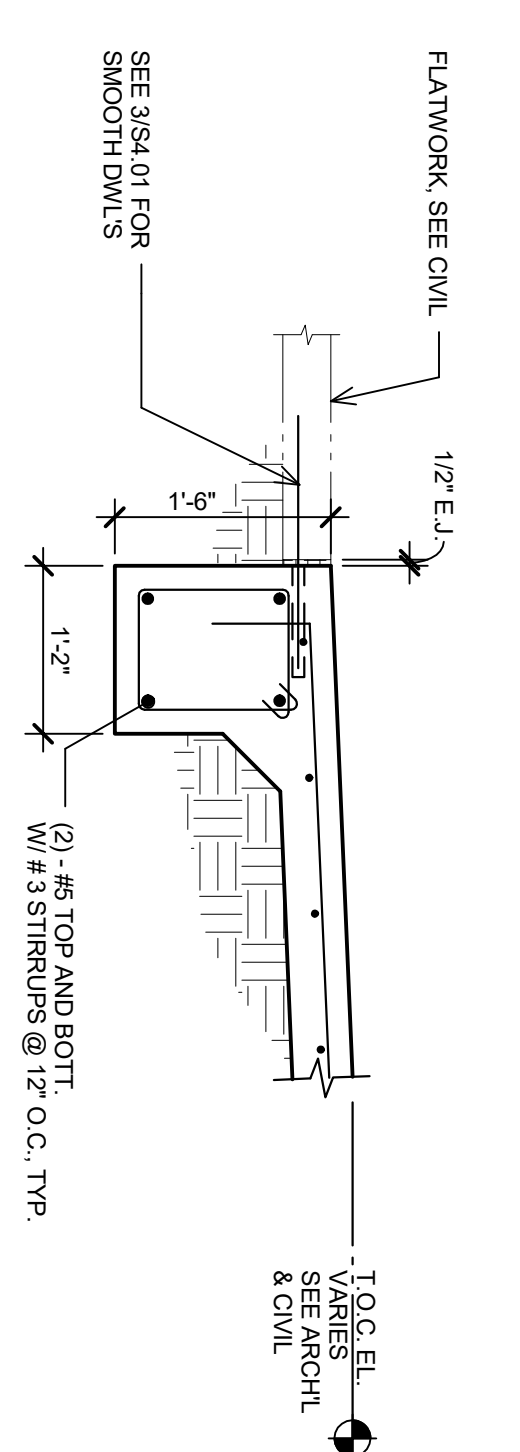




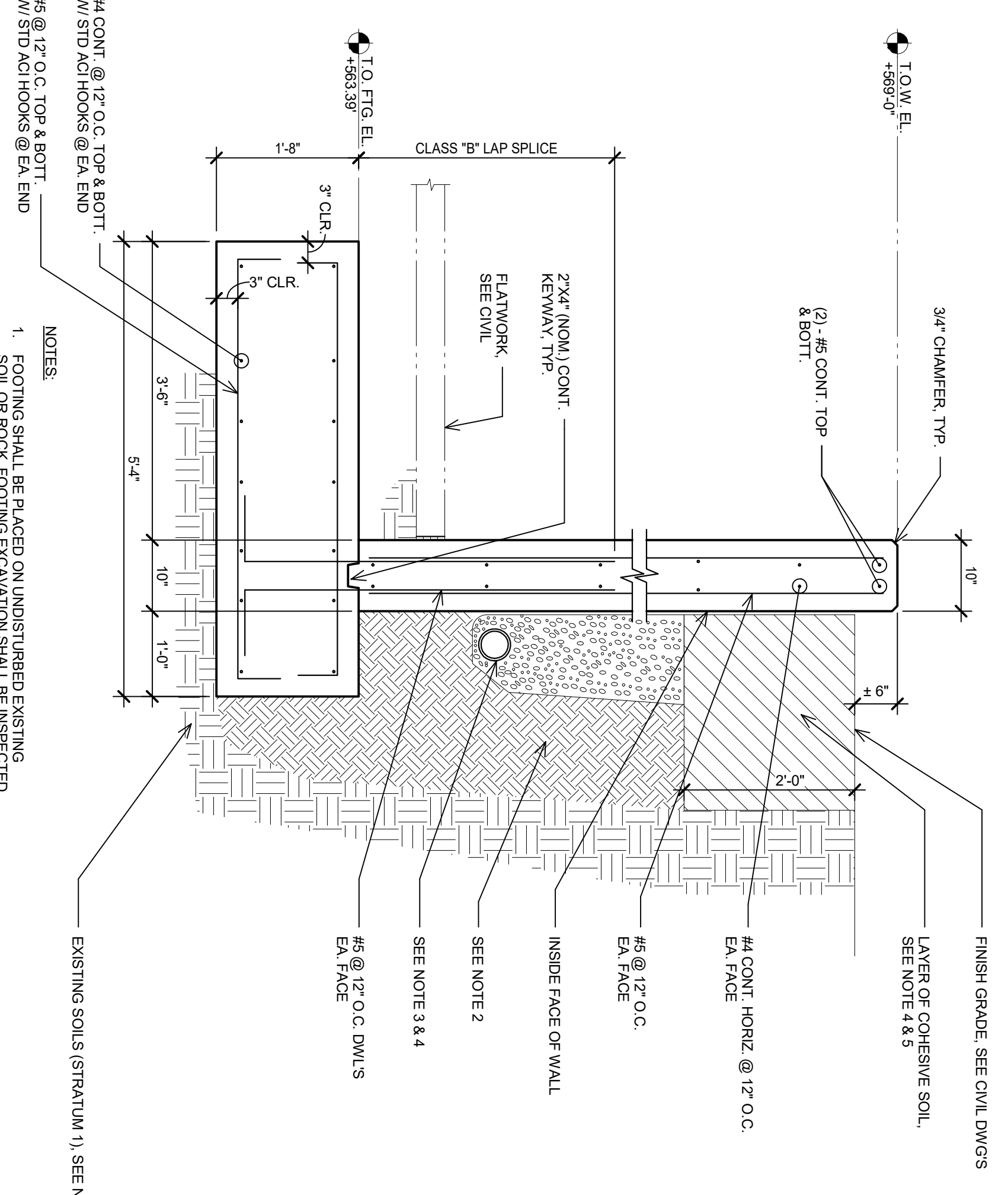
1 DETAIL AT RAMP  
 SCALE: 3/4\"/>



2 DETAIL AT RAMP  
 SCALE: 3/4\"/>



3 DETAIL AT RAMP  
 SCALE: 3/4\"/>



4 RETAINING WALL DETAIL  
 SCALE: 3/4\"/>

- NOTES
1. FOUNDATION WALL BE BE USED ON UNDESIGNED SYSTEMS. FOUNDATION FOOTING SHALL BE CONFORMED TO THE GEOTECHNICAL LABORATORY TO DETERMINE THAT EXCAVATIONS ARE PROPERLY CLEAN & DRY BEFORE CONCRETE IS PLACED.
  2. BACKFILL BEHIND RETAINING WALLS. SEE STRUCTURAL NOTES.
  3. PREPARED RIGID PLASTIC DRAIN LINE. SEE CIVIL DRAWINGS FOR SIZE AND SLOPE REQUIREMENTS. DRAIN LINE SHOULD BE SURROUNDED BY CLEAN FREE-DRAINING GRANULAR FILL. ALL JOINTS IN DRAIN LINE SHALL BE PROPERLY PASSED AND BE ENCASED IN A FILTER FABRIC.
  4. THE GRANULAR FILL SHOULD EXTEND TO WITHIN 2'-0\"/>

1	ADDED DIM. 01	11/13/2018
NO	REVISION	DATE

SHEET NAME: FOUNDATION DETAILS

DATE: 11/13/18

REVIEWED BY: Checker

PROJECT NO.: 201611500

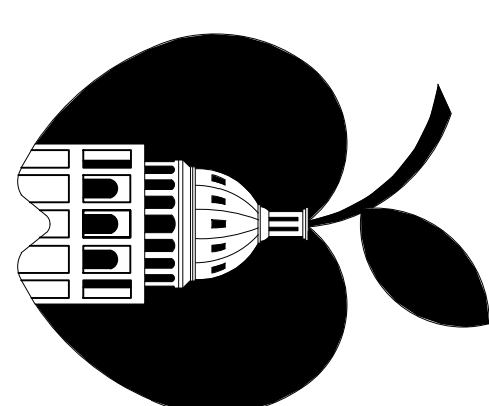
SHEET NO.: S05-02

**JOHNSON**

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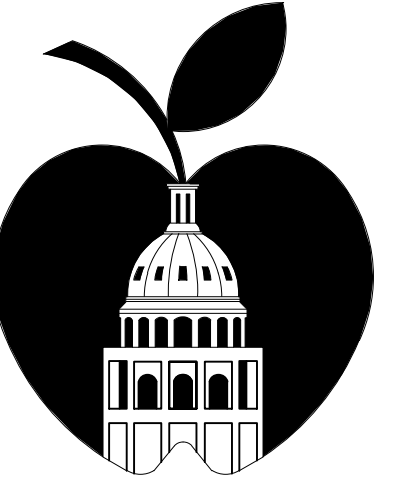
A.I.S.D. 17-0023 - LEE  
 ELEMENTARY SCHOOL  
 CLASSROOM BUILDING  
 3308 HAMPTON ROAD, AUSTIN, TX 78705

AUSTIN INDEPENDENT SCHOOL DISTRICT  
 ALSO PROJECT NO.: 17-0023 LEE



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AUSTIN INDEPENDENT SCHOOL DISTRICT  
 AISD PROJECT NO.: 17-0023 LEE

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 AISD PROJECT NO.: 17-0023 LEE TYPE: RFRM-12/23

1	ADDENDUM 01	11/13/2018
NO.	REVISION	DATE



11/13/2018

SHEET NAME:

**ROOF FRAMING  
 DETAILS**

DATE: 10/18/2018

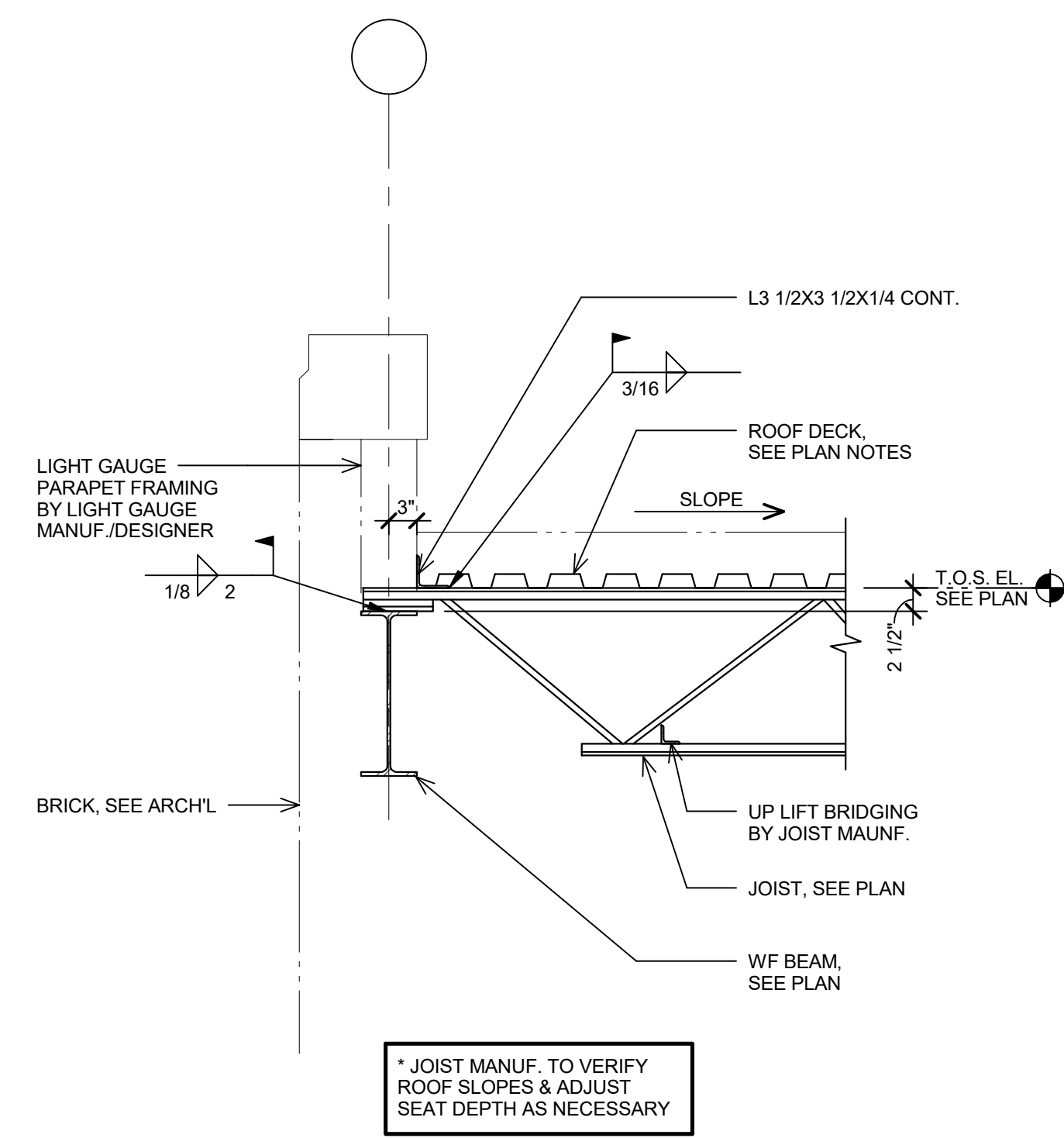
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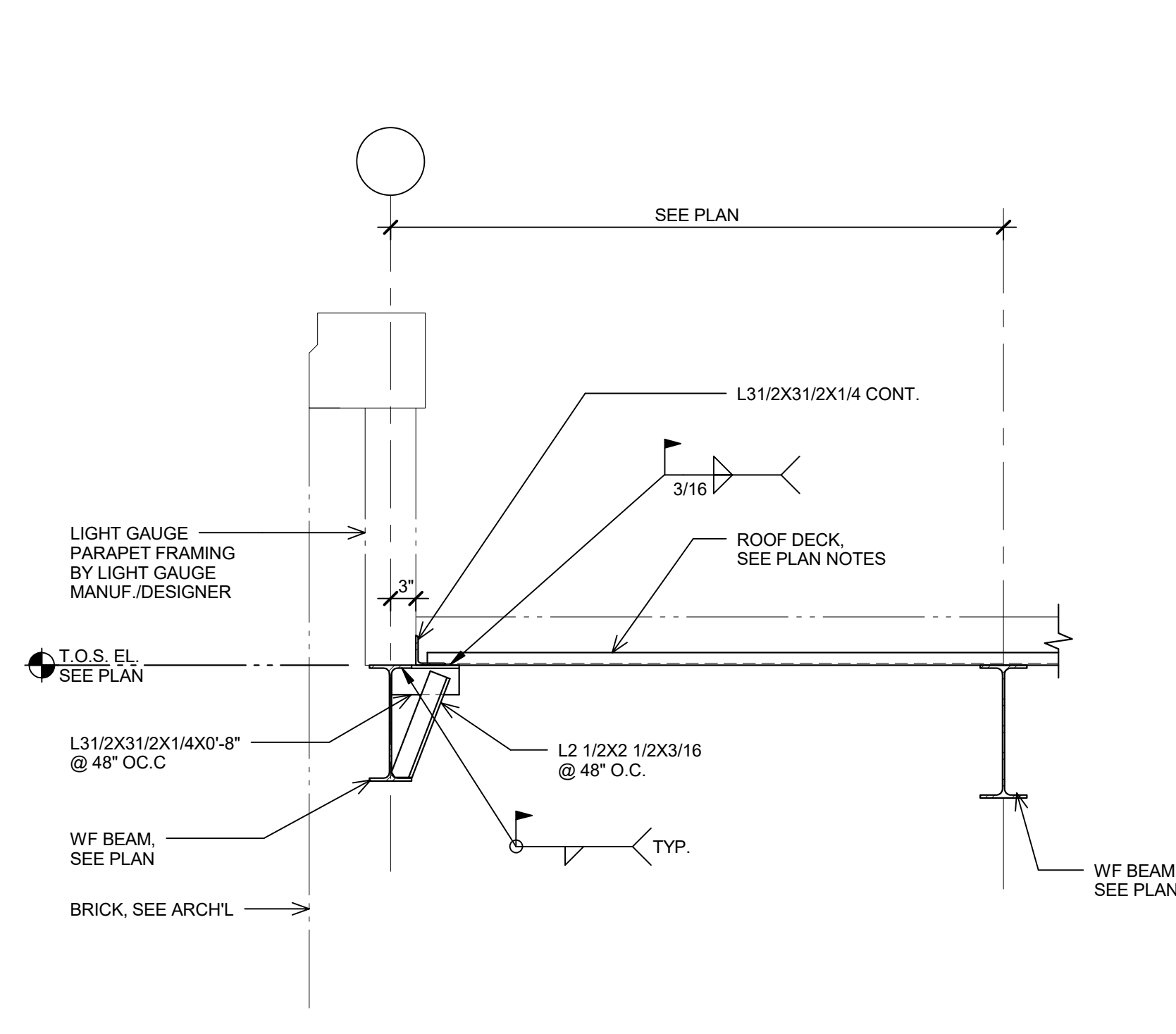
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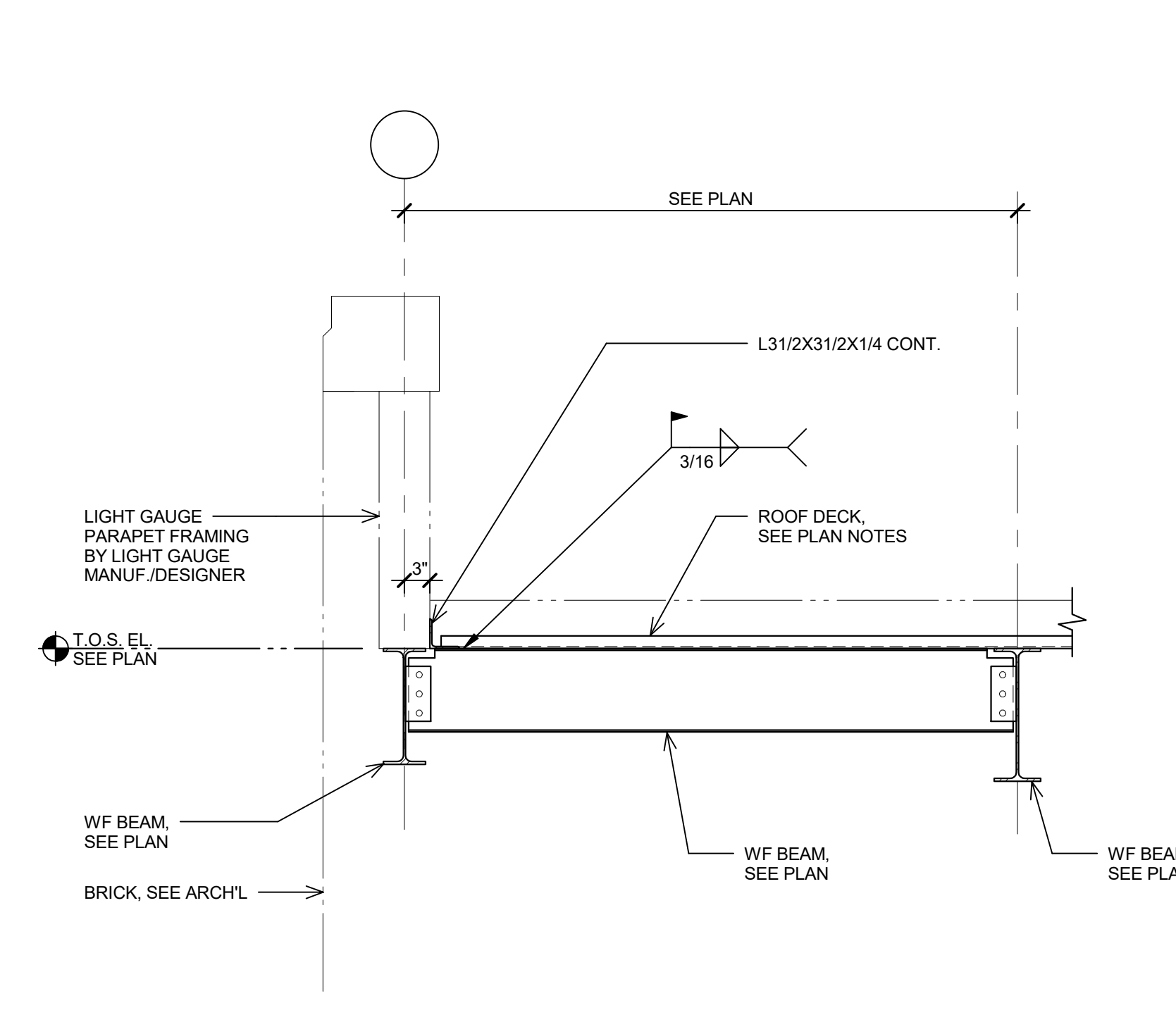
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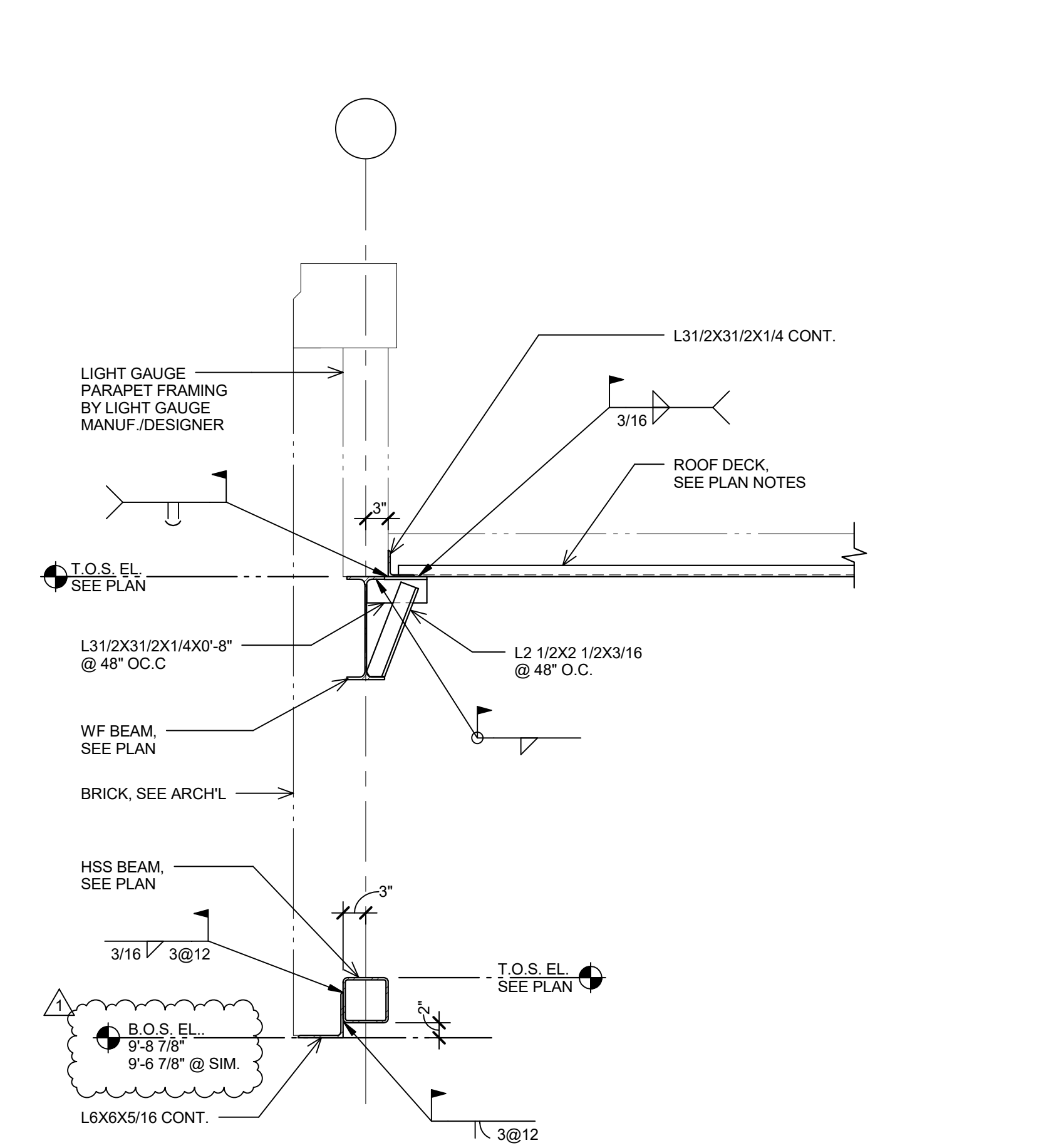
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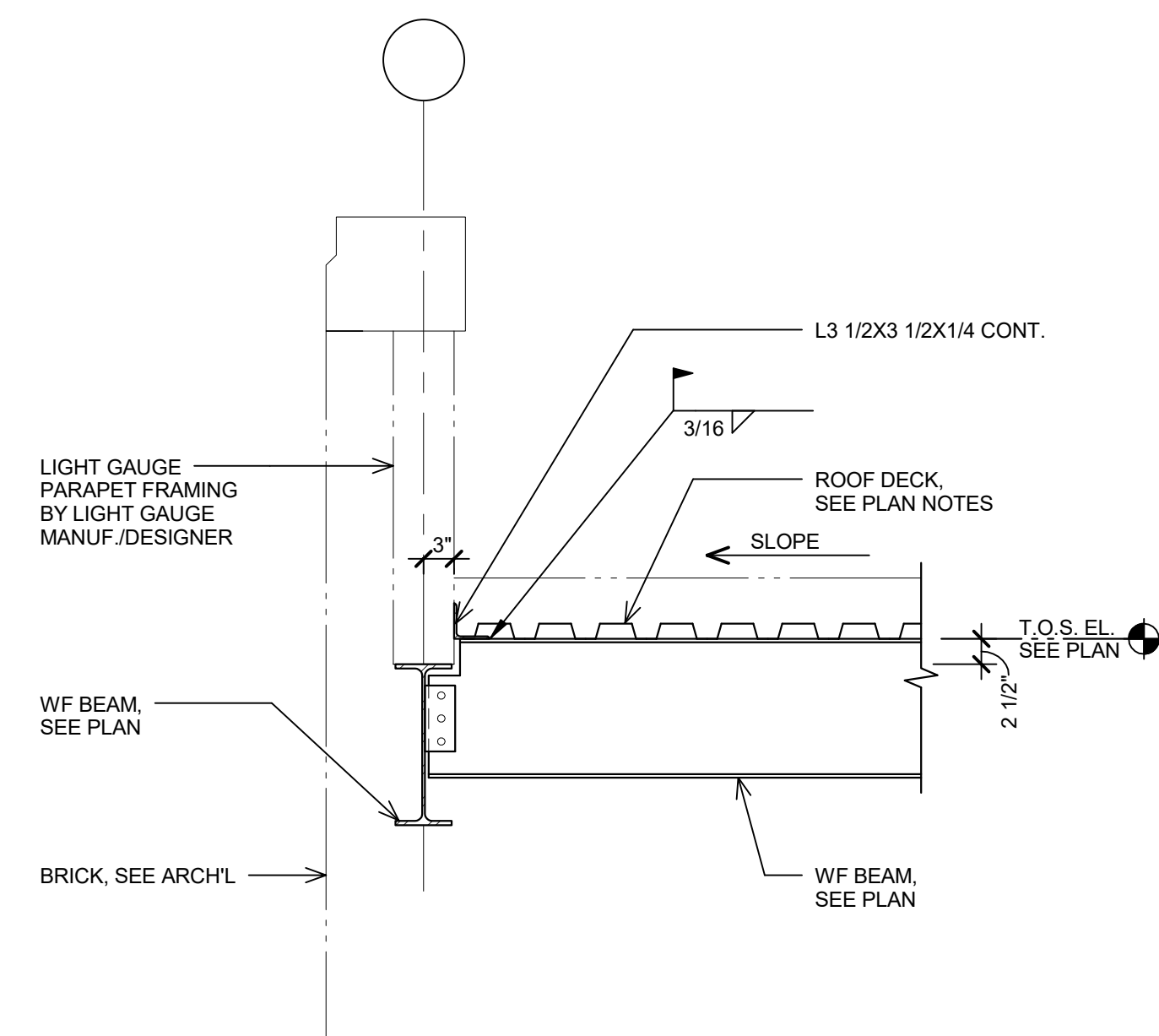
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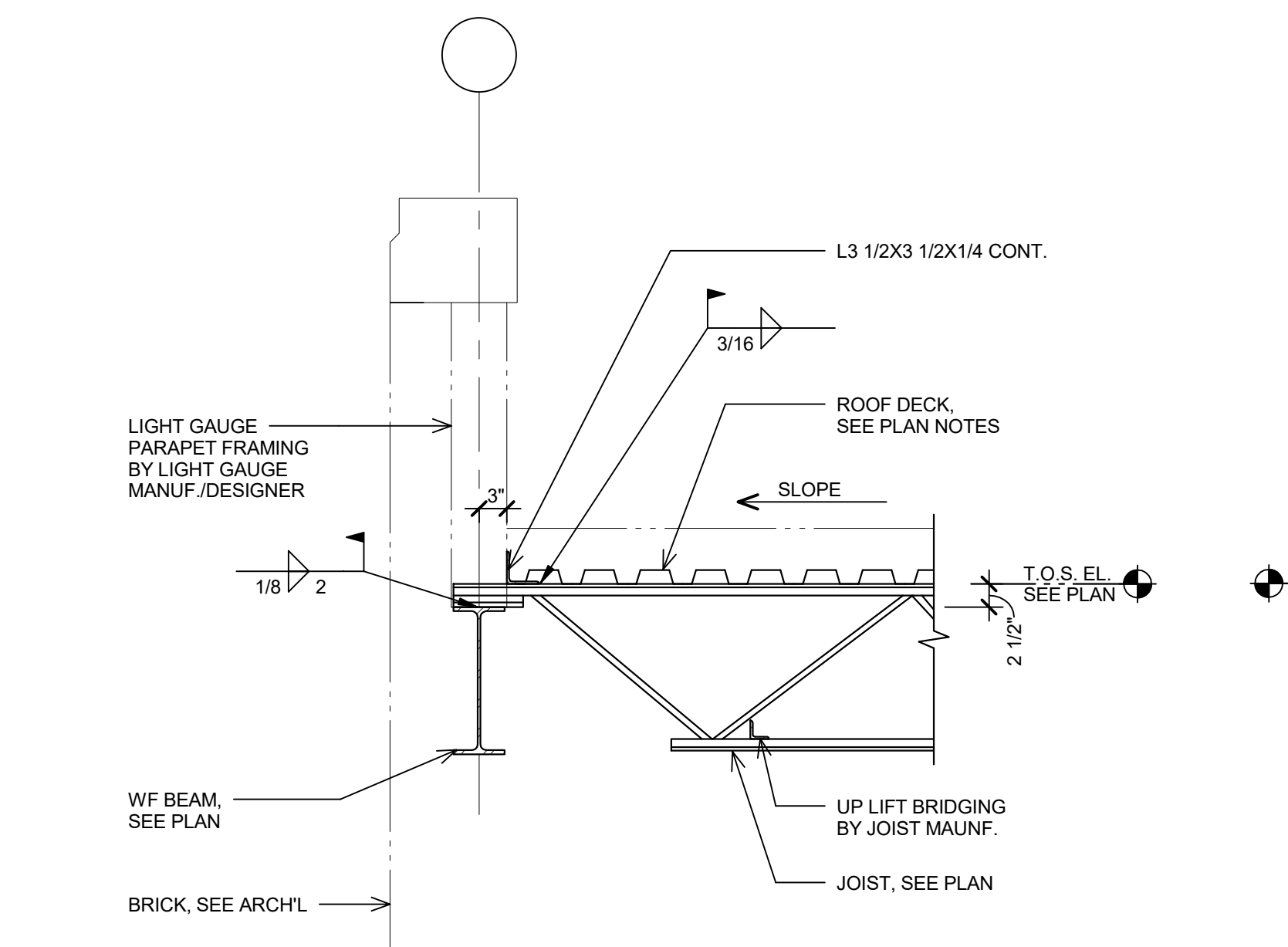
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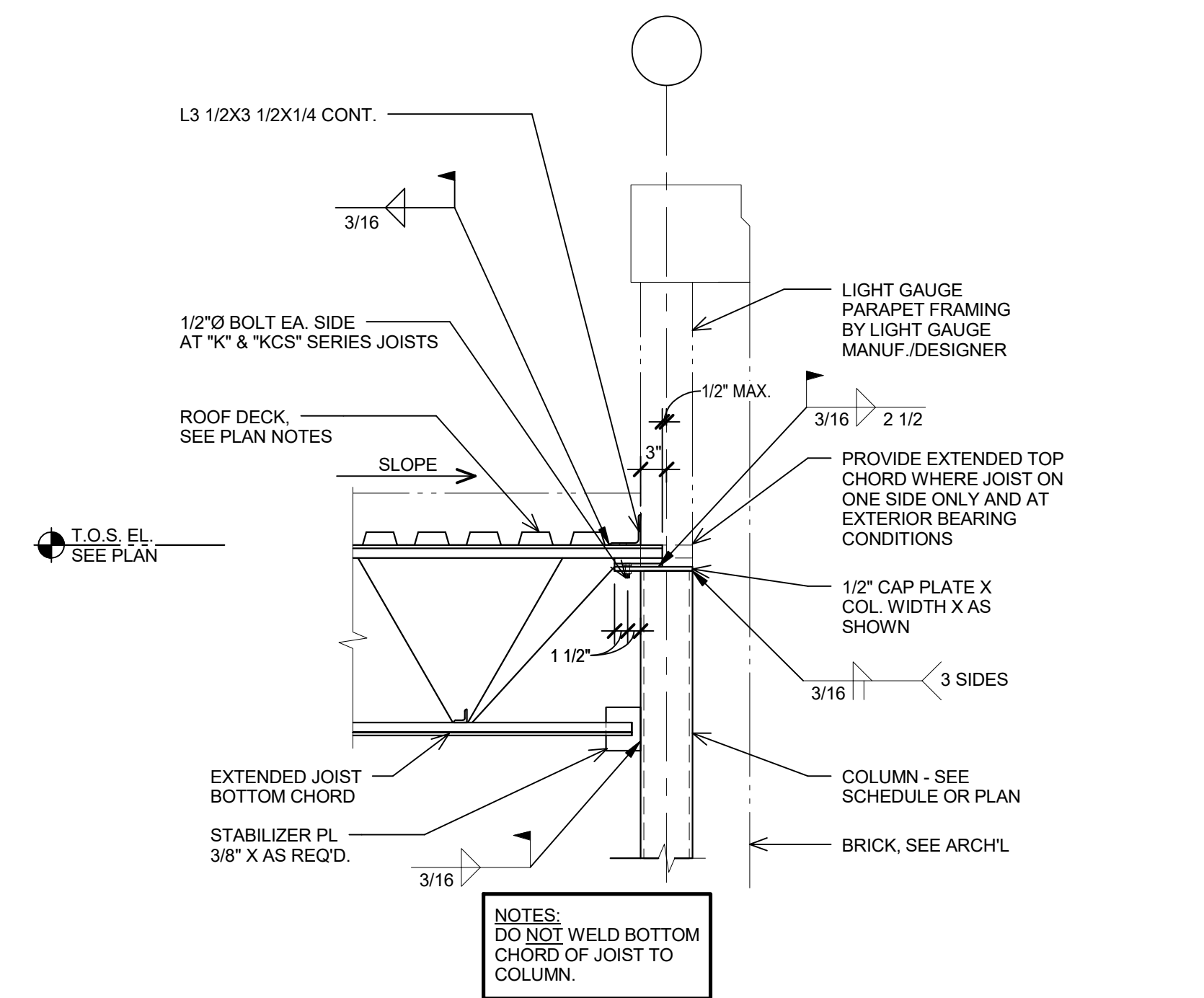
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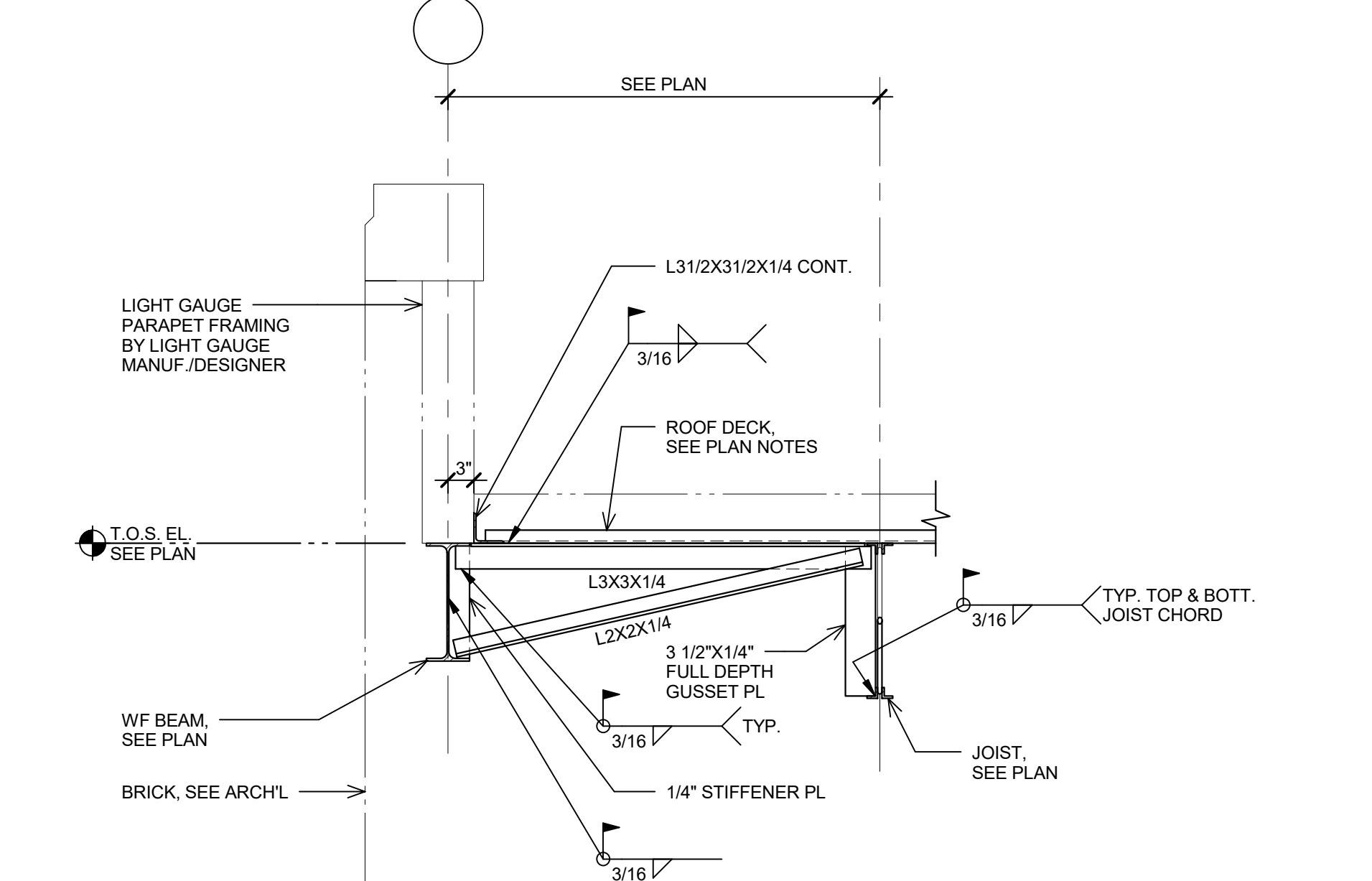
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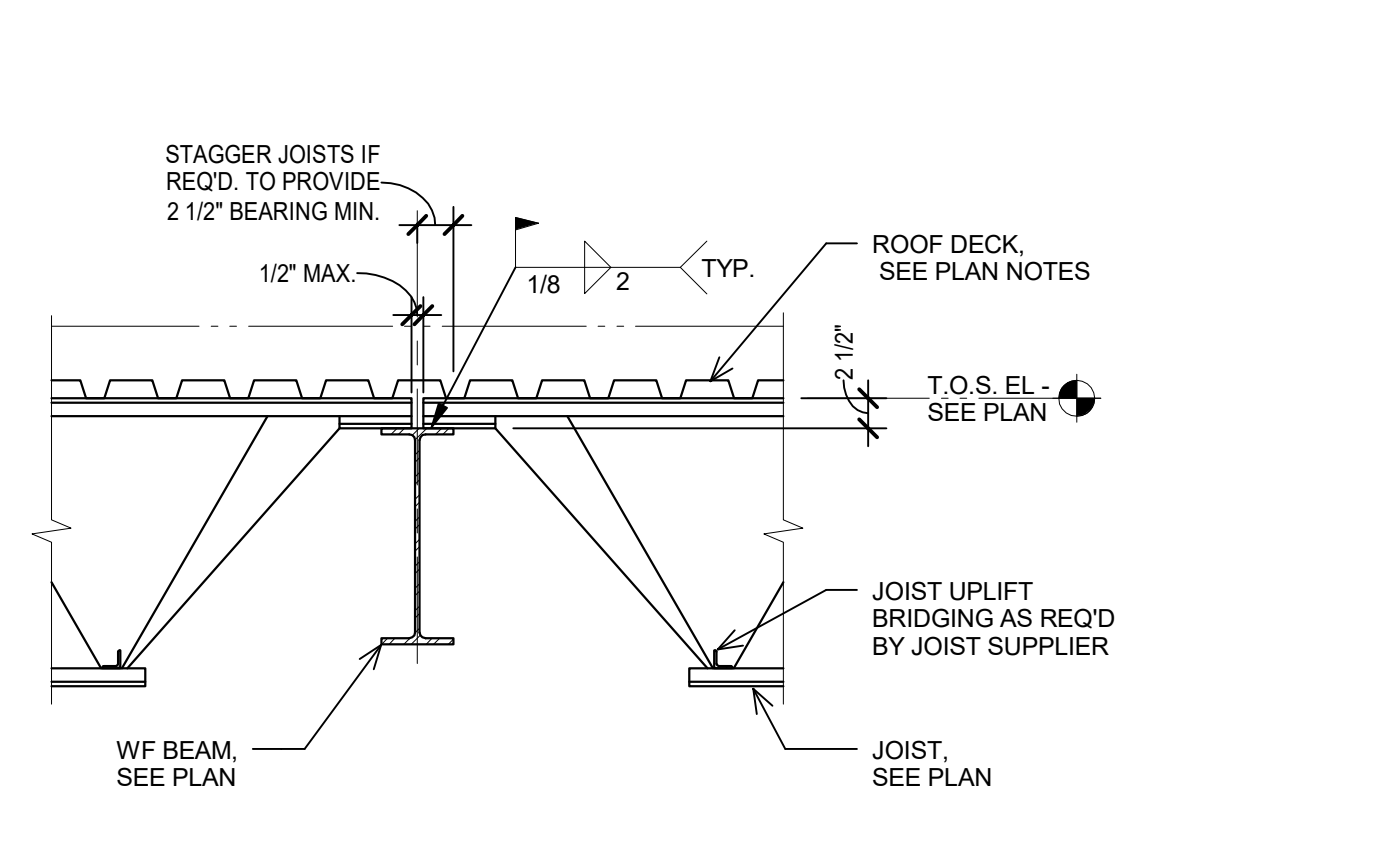
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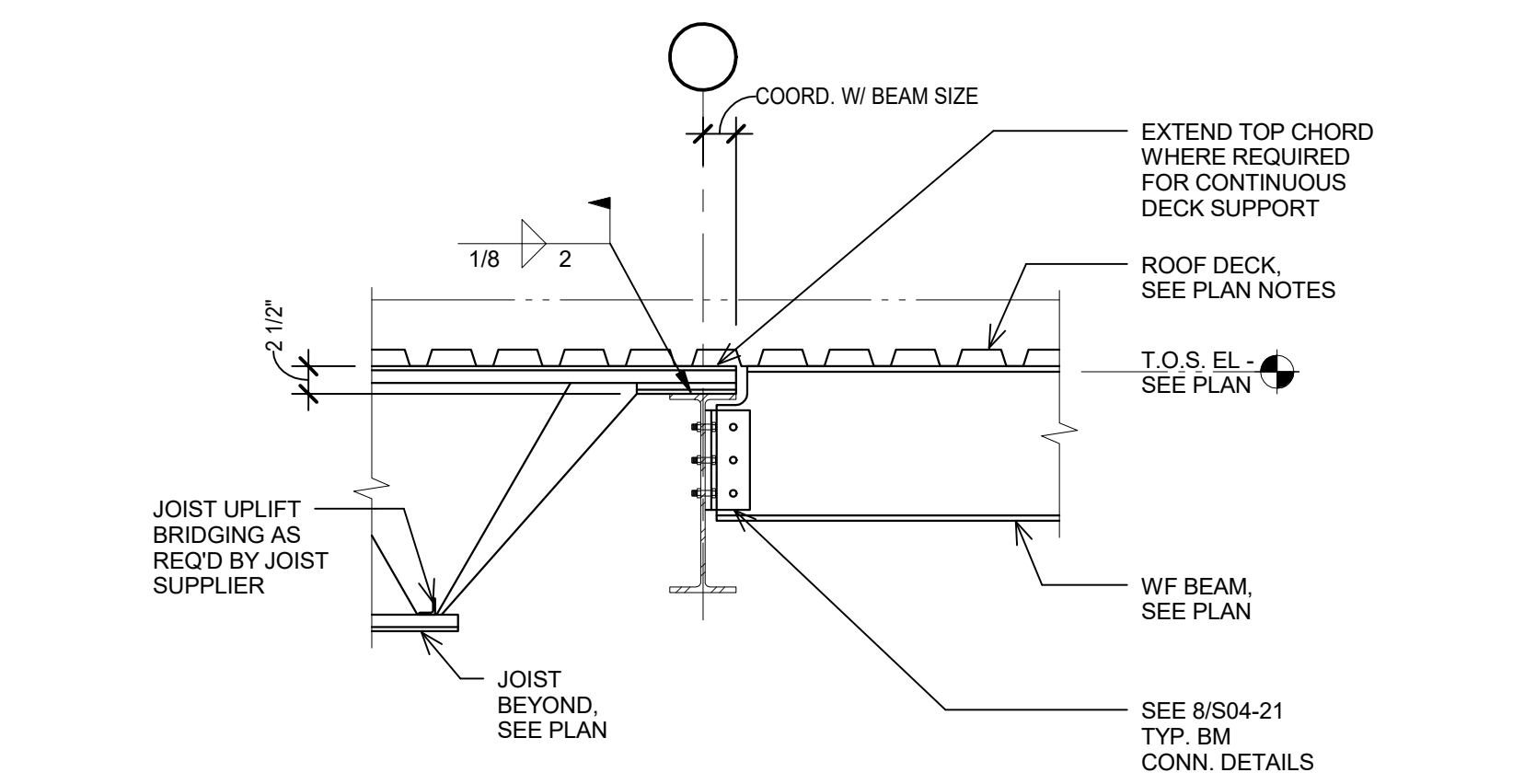
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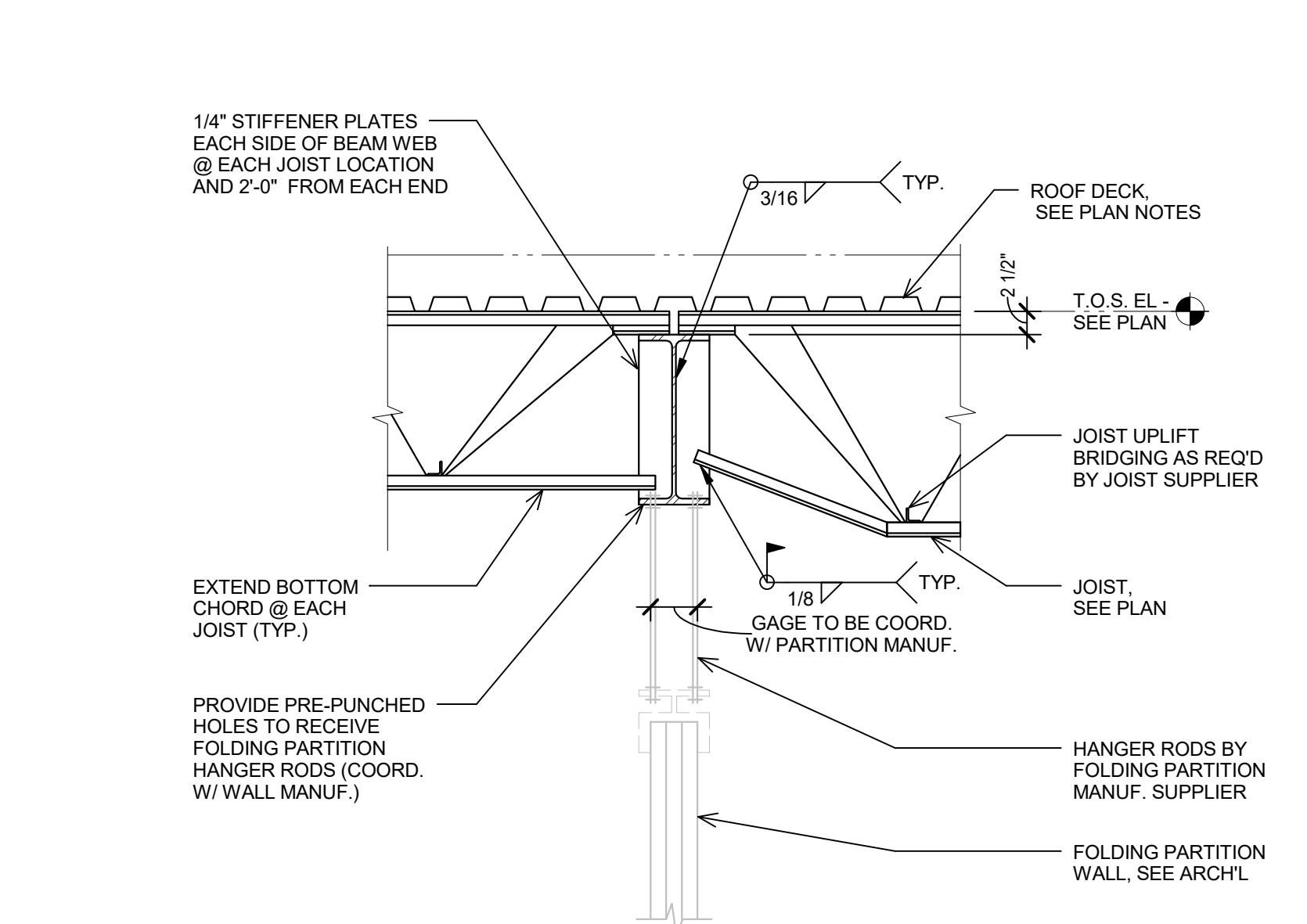
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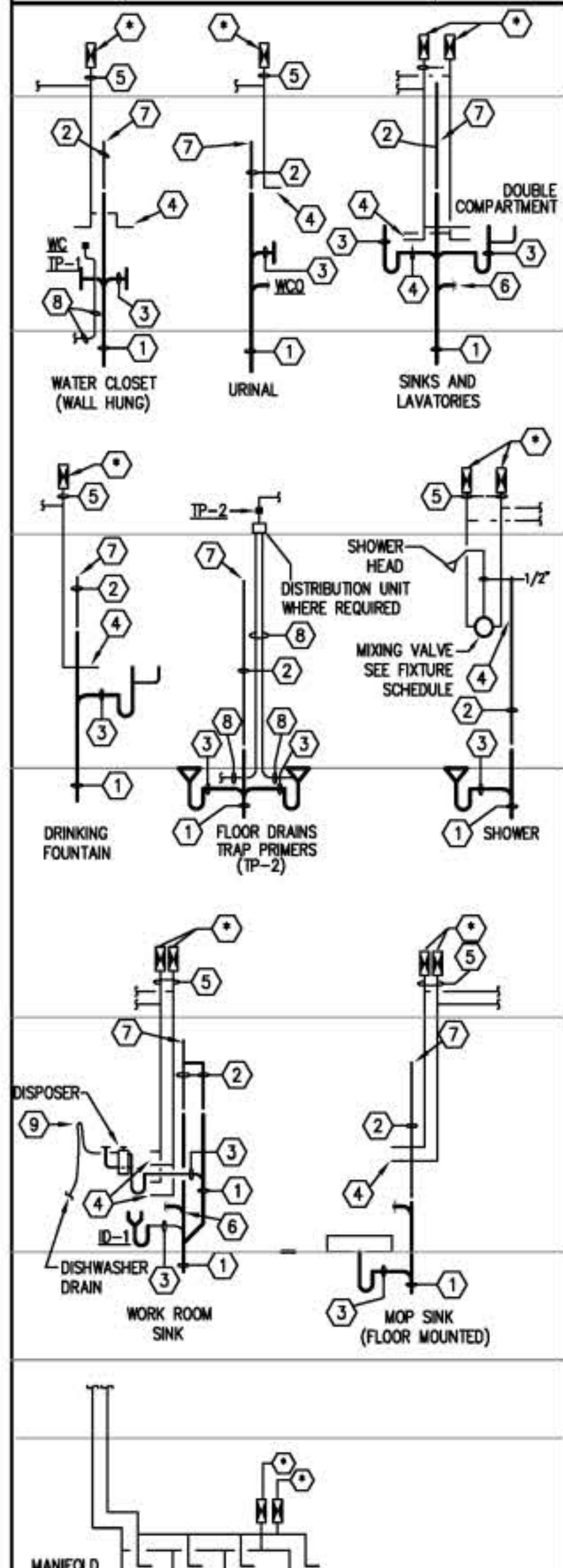
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**TYPICAL PLUMBING RISER DETAILS**  
(NOT ALL RISERS USED IN EVERY PROJECT)



**KEYED NOTES - TYPICAL RISER DIAGRAM DETAILS**  
(NOT ALL RISERS USED IN EVERY PROJECT)

- REFER TO PLUMBING FIXTURE SCHEDULE FOR SOIL OR WASTE ROUGH-IN PIPE SIZE. MINIMUM SOIL OR WASTE DRAIN LINE SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
- REFER TO PLUMBING FIXTURE SCHEDULE FOR SANITARY VENT ROUGH-IN PIPE SIZE. MINIMUM SANITARY VENT BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
- REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE DRAIN ROUGH-IN PIPE SIZE. MINIMUM FIXTURE DRAIN AND TRAP SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
- REFER TO PLUMBING FIXTURE SCHEDULE FOR WATER PIPING ROUGH-IN PIPE SIZE. MINIMUM WATER SUPPLY BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
- WATER HAMMER ARRESTOR INLET: REFER TO ARRESTOR SCHEDULE FOR SIZE. LOCATION SHOWN HERE FOR INDIVIDUAL FIXTURE. WILL VARY WHERE INCLUDED AS PART OF PLUMBING CHASE BATTERY OF PIPING. REFER TO RISER DIAGRAMS FOR MANIFOLD LOCATIONS. ARRANGE ALL WATER LINES TO GRAVITY DRAIN.
- WALL CLEANOUTS SHALL BE PROVIDED AT ALL END OF BATTERY OR END OF BRANCH LINE FIXTURES AND WHERE REQUIRED BY PLUMBING CODE OFFICIALS TO ASSURE COMPLETE ACCESS TO ALL PORTIONS OF DRAIN.
- SANITARY VENT PIPES SHALL CONTINUE TO CEILING OR HEADER TOGETHER AT MINIMUM 42" ABOVE FINISHED FLOOR.
- TRAP PRIMER LINE: SEE PLUMBING DETAILS SHEET. EXTEND AND CONNECT TO FLOOR DRAIN TRAP AS SHOWN.
- AIR GAP FITTING: PROVIDE WHERE REQUIRED BY CODE.

**WATER HAMMER ARRESTOR SCHEDULE**

P.I.D. SYMBOL	FIXTURE UNITS	SIZE
(A)	1-11	1/2" NPT
(B)	12-32	3/4" NPT
(C)	33-60	1" NPT
(D)	61-113	1 1/4" NPT
(E)	114-154	1 1/2" NPT
(F)	155-330	2" NPT

PIPING RISER DIAGRAMS/TYPICAL RISER DETAILS ILLUSTRATE WATER HAMMER ARRESTORS FOR FIXTURE WATER PIPE OPENINGS. ALL ARRESTORS SHALL BE SIZED AS INDICATED ON DRAWINGS OR IN ACCORDANCE WITH THIS SCHEDULE, WHICHEVER PLACES THE MOST STRINGENT REQUIREMENT.

PROVIDE ARRESTORS IN ACCORDANCE WITH THE REQUIREMENTS OF PLUMBING DRAINAGE INSTITUTE (PDI) STANDARD PDH-W-201. THE USE OF AIR CHAMBERS SHALL NOT BE ACCEPTABLE.

WATER HAMMER ARRESTORS SHALL HAVE LIFETIME WARRANTY AND SHALL BE CERTIFIED BY THE MANUFACTURER AS SUITABLE FOR INSTALLATION WITHOUT A REQUIREMENT FOR ACCESS PANELS. NONETHELESS, ACCESS PANELS SHALL BE PROVIDED IF AND AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION (LAH).

**PLUMBING GENERAL PLAN NOTES**

- DRAINAGE PIPING INVERT ELEVATIONS NOTED ON FLOOR PLANS AS: INV. EL. = 0.00' BFF ARE BELOW FINISHED FLOOR TAKEN FROM FIRST FLOOR FINISHED ELEVATION OF 0.00' TO INSIDE BOTTOM OF PIPE.
- PLUMBER SHALL FIELD VERIFY EXACT BUILDING FINISHED FLOOR ELEVATION AND THE INVERT ELEVATION OF ALL DRAIN LINES AT PROPOSED CONNECTING POINTS WITH SITE CIVIL UTILITIES PRIOR TO INSTALLATION OF BUILDING PIPING.
- ALL PIPE PASSING THROUGH FIRE RATED WALLS OR FLOOR SLABS SHALL BE SUPPORTED AT PENETRATION AND OPENINGS SHALL BE SEALED WITH APPROVED, NON-HARDENING, FIRE STOP MATERIALS AS SPECIFIED OR REQUIRED.
- CONTRACTOR SHALL COORDINATE WITH THE STRUCTURAL CONDITIONS AT THE SITE AND PROVIDE PROPER ROUGH-IN CONNECTIONS WITHOUT DAMAGE TO STRUCTURE. WHERE STRUCTURAL MODIFICATIONS ARE NECESSARY, CONTRACTOR SHALL FIRST RECEIVE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING LOCATIONS AND ELEVATIONS OF ALL PLUMBING PIPING WITH OTHER TRADES PRIOR TO INSTALLATION. CORRECTIONS OR RELOCATIONS DUE TO MISMATCHED PIPE SHALL BE PERFORMED IN A TIMELY MANNER AT NO ADDITIONAL COST TO OWNER.
- DO NOT SCALE THE PLUMBING DRAWINGS FOR ROUGH-IN WORK. CONTRACTOR SHALL REFER TO THE DIMENSIONED ARCHITECTURAL AND STRUCTURAL DRAWINGS TO FIELD DETERMINE EXACT LOCATIONS OF PLUMBING ROUGH-IN WORK.
- PROVIDE BRACING TO PREVENT AXIAL MOVEMENT FOR ALL STORM DRAINAGE PIPING ABOVE GROUND. PROVIDE RESTRAINTS FOR ALL DRAINAGE PIPING AT ALL CHANGES IN DIRECTION AND AT ALL DIAMETER CHANGES GREATER THAN TWO PIPE SIZES. BRACES, BLOCKS, ROOFING AND OTHER PERMANENT METHODS AS PRESCRIBED BY PIPE AND COUPLING MANUFACTURER SHALL BE ACCEPTABLE.
- PROVIDE AND INSTALL CLEANOUTS AT EACH CHANGE OF DIRECTION OF THE BUILDING SANITARY DRAIN, AT MINIMUM 25' INTERVALS ALONG STRAIGHT RUNS OF MAIN DRAIN AND BRANCHES, AT EACH HORIZONTAL CHANGE OF DIRECTION IN SOIL OR WASTE PIPES GREATER THAN 45 DEGREES, AT END OF INDIVIDUAL BRANCH DRAINS LONGER THAN 5'. PROVIDE CLEANOUTS IN ACCORD WITH UNIFORM PLUMBING CODE.
- PROVIDE FITTINGS FOR SANITARY DRAIN WASTE AND VENT PIPING SYSTEMS IN COMPLIANCE WITH UNIFORM PLUMBING CODE.
- INSTALL EACH WATER HEATER AND ALL PLUMBING EQUIPMENT WITH ADEQUATE CLEARANCES FOR ACCESS BY SERVICE PERSONNEL AND WITH PROPER ORIENTATION FOR ELEMENT REMOVALS/REPLACEMENTS.
- PROVIDE ISOLATION VALVES FOR ALL BRANCHES OF DOMESTIC WATER MAINS. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN ACCESSIBLE CEILING SPACES. WHERE CEILING IS NOT ACCESSIBLE, OR SPACE IS CONFLICTING, VALVES SHALL BE INSTALLED IN PARTITIONS OR PIPE CHASES. PROVIDE APPROVED PAINTED STEEL HINGED ACCESS PANELS IN LOCATIONS PRE-APPROVED BY THE ARCHITECT. PROVIDE STAINLESS STEEL ACCESS DOORS FOR SHOWER, LOCKER AND LOCKER TOILET ROOM PANELS. PROVIDE MARKINGS ON CEILING TILES ON LOCATIONS OF ISOLATION VALVES.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING LOCATIONS OF ALL SANITARY VENTS UP THROUGH ROOF TO MAINTAIN MINIMUM 15' CLEARANCE TO ANY BUILDING OUTDOOR AIR INLET.

**GENERAL NOTES - PLUMBING FIXTURES**

- MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG OR COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION OF ROUGH-IN WORK.
- FOR ALL FIXTURES AND EQUIPMENT WITH ASSOCIATED TRIM OR COMPONENT ACCESSORIES PROVIDED UNDER SEPARATE DIVISIONS AND REQUIRING PLUMBING CONNECTIONS, THIS CONTRACTOR SHALL FIELD COORDINATE EXACT REQUIREMENTS OF, MAKE PROVISIONS FOR, AND SUPPLY ALL MATERIALS AND LABOR FOR MAKING FINAL CONNECTIONS.
- CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF EQUIPMENT TO BE SUPPLIED FOR FINAL COORDINATION OF ALL ROUGH-IN OPENINGS BEFORE BEGINNING WORK.
- ALL FIXTURE AND EQUIPMENT STUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED (WHERE EXPOSED), AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES. SUPPLY RISERS SHALL BE STAINLESS STEEL FLEXIBLE CONNECTORS.
- ALL P-TRAPS WITHIN THE BUILDING ABOVE GRADE AND EXPOSED TO INSPECTION SHALL BE: C.P. ADJUSTABLE, CAST BRASS WITH CLEANOUT PLUG. PROVIDE CAST BRASS SLP NUTS AND WASHERS, 17 GAGE SEAMLESS TUBULAR BRASS DRAIN TO WALL AND WALL FLANGE. PROVIDE MAGURE No. 8922C, 1-1/4" P-TRAP FOR ALL LAVATOIRES AND SIMILAR FIXTURES. PROVIDE MAGURE No. 8912C, 1-1/2" P-TRAP FOR ALL SINKS AND SIMILAR FIXTURES.
- PROVIDE DEEP SEAL P-TRAP FOR ALL DRAINS OF INFREQUENT USE OR REQUIRING TRAP PRIMER.
- ALL ROUGH IN OPENINGS SHALL BE FITTED WITH CHROME PLATED, WROUGHT BRASS DEEP BELL OR BOX ESCUTCHEON PLATES FITTED TIGHT TO THE PIPE AND FLUSH TO THE WALL. STEEL ESCUTCHEON PLATES ARE NOT ACCEPTED.
- ALL EXPOSED BRASS SHALL BE CHROME PLATED.
- ALL HANDICAPPED ACCESSIBLE FIXTURES INDICATED WITH (A) SHALL BE PROVIDED OF APPROVED TYPES AND WITH REQUIRED CONTROLS AND INSTALLED TO HEIGHTS AND CLEARANCES, AS PRESCRIBED BY AMERICANS WITH DISABILITIES ACT (ADA). FIXTURES SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ACCESSIBILITY CODE REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED MOUNTING HEIGHTS AND SPECIFIED CLEARANCE REQUIREMENTS. PROVIDE FIXTURES WITH DEPTHS AT MAXIMUM PERMITTED AND AVAILABLE FOR INTENDED FIXTURE USE.
- ALL WHEELCHAIR LAVATORY AND SINK PIPING WHERE EXPOSED SHALL BE INSULATED. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO PROVIDE MINIMUM CLEARANCES.
- ALL SINKS FOR HANDICAPPED USE SHALL BE STAMPED WITH DRAIN OUTLET AT REAR OF BOWL.
- PLUMBING FIXTURES SHALL BE OF WATER CONSERVATION TYPE IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS FOR WATER SAVING PERFORMANCE.
- ORIENT ADA WATER CLOSET FLUSH VALVE WITH OPERATOR ON WIDE SIDE OF ENCLOSURE.
- SEAL ALL SPACES BETWEEN PLUMBING FIXTURES AND MOUNTING SURFACES WITH WHITE LATEX CAULK WIPED SMOOTH AND FLUSH WITH FIXTURE.
- FLOOR DRAINS SHALL BE INSTALLED AT LOW POINTS OF UNIFORMLY SLOPED FLOOR. CONTRACTOR SHALL FIELD COORDINATE WITH STRUCTURAL TO INSURE FLOORS ARE SLOPED UNIFORMLY ACROSS ENTIRE TOILET ROOMS OR OVER AS WIDE AN AREA AS PRACTICAL FOR OPEN AREA FLOOR DRAINS. CONVEX FLOOR SLOPE IN THE IMMEDIATE VICINITY OF THE FLOOR DRAIN IS NOT ACCEPTABLE.

**PLUMBING PIPE MATERIALS SCHEDULE**

PIPING SYSTEM	PIPING MATERIAL
SANITARY DRAINS AND VENTS INSIDE BUILDING AND BELOW GROUND	SCHEDULE 40 PVC PIPE
SANITARY DRAINS AND VENTS INSIDE BUILDING AND ABOVE GROUND	SCHEDULE 40 PVC PIPE
SANITARY DRAINS AND VENTS INSIDE BUILDING AT PLENUM CEILING	SCHEDULE 40 PVC PIPE
DOMESTIC HOT & COLD WATER INSIDE BUILDING AND ABOVE GROUND	COPPER, TYPE "L" HARD DRAWN
DOMESTIC HOT & COLD WATER INSIDE BUILDING AND BELOW GROUND	COPPER, TYPE "C" SOFT ANNEALED
DOMESTIC WATER AT ENTRY	COPPER, TYPE "C" HARD DRAWN
NATURAL GAS	BLACK STEEL SCHEDULE 40
FIRE SPRINKLER BELOW GROUND	DUCTILE IRON
FIRE SPRINKLER ABOVE GROUND - 2" AND SMALLER	BLACK STEEL SCHEDULE 40
FIRE SPRINKLER ABOVE GROUND - 2-1/2" AND LARGER	BLACK STEEL SCHEDULE 10

NOTE: REFER TO SPECIFICATIONS FOR COMPLETE PIPING MATERIAL REQUIREMENTS FOR ASSOCIATED PIPING SYSTEMS.

**PLUMBING FIXTURE SCHEDULE**

PLAN MARK	MINIMUM ROUGH-IN SIZES				DESCRIPTION
	WST & VENT	DRAIN	CW	HW	
WC-1 ES-ADA	4"	2"	4"	1"	KOHLER NO. K-9609-SS "JUVENILE ULTRA" WHITE V.C. ELONGATED JUVENILE HEIGHT FLOOR MTD. (1.1 GPF) BOWL WITH TOP SPRING. LUSTRA NO. K-4666-CA WHITE OPEN FRONT SEAT LESS COVER AND SLOAN WES 111-1.1. FLUSH VALVE.
WC-2 ADA	4"	2"	4"	1"	KOHLER NO. K-9605-SS "WELL COME ULTRA" WHITE V.C. ELONGATED STANDARD HEIGHT FLOOR MTD. (1.1 GPF) BOWL WITH TOP SPRING, BOLT CAPS. LUSTRA NO. K-4666-CA WHITE OPEN FRONT SEAT LESS COVER AND SLOAN WES 111-1.1. FLUSH VALVE.
LAVATORY L-1 ES-ADA L-2 ADULT ADA	2"	2"	1-1/2"	1/2"	AMERICAN STANDARD NO. 0356 421 WHITE V.C. LAVATORY WITH FRONT OVERFLOW AND SINGLE FAUCET HOLES CENTERS FOR SLOAN SOLIS FAUCET. WITH COVER PLAT DRID DRAIN STRAINER, "C" TRAP. STOPS AND SUPPLIES. PROVIDE ZURN FLOOR MOUNTED CONCEALED AON CARRIER. PROVIDE OFFSET TAILPIECE AND INSULATION KIT FOR ADULT ADA REQUIREMENTS. WITH TRAIL. REFER TO ARCH'L PLANS FOR MOUNTING HEIGHTS.
ELECTRIC DRINKING FOUNTAIN FP-1 W/BOTTLE FILLER AND FILTER	2"	2"	1-1/2"	1/2"	HALSEY TAYLOR HTHB-HA0388P-PV-16C. WALL MOUNT. LEAD FREE. 81" LEVEL. WITH PUSH BARS AND WALL HANGER. UNIT TO HAVE CAPACITY OF 9.0 GPH. COOLED TO 50°F WITH 80°F AMBIENT TEMP. 3.8 FLA. WIRED FOR 120V/60/1 POWER.
SINK SK-1 CLASSROOM ADA	2"	2"	1-1/2"	1/2"	ELKAY NO. DRK02022-40 "LUSTERTONE" THREE HOLE DRILL STAINLESS STEEL SINK. REAR MOUNTED FAUCET. FRONT LEFT LEVER HANDLE AND RUBBER MOUNTED IN FRONT RIGHT WITH VANDAL REAR-CENTER DRAIN. PROVIDE ELKAY LK4130ARS FAUCET. VANDAL RESISTANT SWING SPOUT WITH WATER SAVING FLOW RESTRICTOR AND AERATOR. ELKAY NO. LX-VR-1141-A FLEXI-GUARD SAFETY BUBBLER. NO. LX-VR-18 GRID DRAIN STRAINER. TAILPIECE. CAST BRASS P-TRAP WITH CO. STOPS AND SUPPLIES. PROVIDE INSULATION KIT WHERE EXPOSED. PROVIDE TW-1.
SINK SK-3-ADA 4" DEEP SK-2-STD 10" DEEP (ART ROOM SINK)	2"	2"	1-1/2"	1/2"	ELKAY NO. DLR202210 "LUSTERTONE" THREE HOLE PUNCH STAINLESS STEEL SINK WITH OFF CENTER DRAIN OPENING. PROVIDE AMERICAN STANDARD NO. 7890.002.342V GOOSE-NECK FAUCET WITH BRASS LEVER HANDLES, AND SWING SPOUT. ELKAY NO. LX-18 GRID DRAIN STRAINER. TAILPIECE. PROVIDE SOLIDS TRAP EQUAL TO JOSAM 61001-1/2. PROVIDE TW-1.
WALL HYDRANT RH-1			3/4"		ZURN NO. Z-1300 RECESSED NON-FREEZE BRONZE WALL BOB. ANTI-SIPHON HYDRANT. WITH LOOSE KEY OPERATOR AND POLISHED NICKEL BRONZE LOCKING COVER. INSTALLED WITH FACE FLUSH AND SQUARE TO FINISHED WALL. SECURE WITH WALL CLAMP AND SETSCREW. PROVIDE EXTENSION REQUIRED TO PLACE VALVE SEAT IN HEATED ROOM SPACE.
ROOF HYDRANT RH-1			3/4"		NAPA MPH-24-FP. FREEZELESS ROOF HYDRANT WITH MOUNTING SYSTEM. INSTALL AS PER MANUFACTURER'S DETAILS AND RECOMMENDATIONS.
FLOOR DRAIN FD-1	3"	2"			ZURN NO. ZN-415 CAST IRON DRAIN WITH 6" DIAMETER TYPE "B" STRAINER WITH VANDAL PROOF SCREWS. SET STRAINER FLUSH WITH FINISH FLOOR.
FLOOR SINK FS-1	3"	2"			ZURN NO. ZN-1901-2-29-K. 12" SQUARE, 8" DEEP CAST IRON DRAIN WITH ENAMELED INTERIOR. SECURE BUCKET STRAINER AND SECURED HALF NICKEL BRONZE GRATE.
TRAP PRIMER TP-1			1/2"		PROVIDE SLOAN NO. VGF-72-A1 FLUSH VALVE VACUUM BREAKER TRAP REFILL SUPPLY. AFFIX TO WATER CLOSET NEAREST TO AND IN SAME ROOM AS DRAIN SUPPLIED. ALL EXPOSED TO BE CHROME PLATED AND RUN SHORT AS POSSIBLE WALL. CONCEALED DRAIN TUBING SHALL BE 1/2" TYPE "K" SOFT COPPER SLOPING UNIFORMLY TO DRAIN.
TRAP PRIMER TP-2			1/2"	1/2"	PRECISION PLUMBING PRODUCTS, INC. "OREGON" NO. 1 FULLY AUTOMATIC TRAP PRIMER VALVE. INSTALL CONCEALED IN ACCESSIBLE LOCATION. BEHIND APPROVED ACCESS PANEL OR EXPOSED IN MECHANICAL EQUIPMENT AREAS WITH APPROVED TRAP PRIMER DISTRIBUTION UNIT. INSTALL AT MINIMUM 15' ABOVE FINISHED FLOOR.
THERMOSTATIC MIXING VALVE TMV-1			1/2"	1/2"	POWERS NO. LF480 ADJUSTABLE POINT-OF-USE THERMOSTATIC MIXING VALVE. ASSE 1070 WITH INLET CHECK STOPS TO LIMIT HOT WATER TEMPERATURE TO MAXIMUM 105°F AT FAUCET OUTLET. SUPPLY CW TO MIXING VALVE FROM CW RISER TO FAUCET. INSTALL BELOW FIXTURE AND HIGH AS POSSIBLE TO PROVIDE NEAT AND CLEAN APPEARANCE.
ELECTRIC WATER HEATER EWH-1				SEE PLAN	RHEEM ESPD0. 20 GALLON STORAGE WITH 4.5 KW ELEMENTS HEATED FOR 208 V, 1 PH. POWER. VERIFY WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT. UNIT SHALL HAVE CAPACITY OF 23 GPH RECOVERY AT 80°F. TEMPERATURE RISE PROVIDE ASME TEMPERATURE AND PRESSURE RELIEF VALVE AND THERMOMETER IN HW OUTLET PIPING. EXPANSION TANK EQUAL TO ATRIS. 31-5-C.
CIRCULATING PUMP CP-1				3/4"	GRUNDFOS MODEL LP15-42SF. ALL BRONZE FLANGED PUMP. 1/25 HP WIRED FOR 120V/60/1 POWER AND FITTED WITH REMOTE HEAT SENSING ADJUSTABLE CONTROLLER AND SHUT-OFF TIMER TS-1.
TIME SWITCH TS-1					TORK ELECTROMECHANICAL 24 HOUR TIME SWITCH POWERED BY A SELF STARTING SYNCHRONOUS MOTOR. INSTALL ON WALL ADJACENT TO CIRCULATING PUMPS. COORDINATE WITH ELECTRICAL AND PROVIDE FOR 120/160 POWER REQUIREMENT.

**FIRE PROTECTION GENERAL NOTES**

- THE SCOPE OF THE WORK INCLUDES THE INSTALLATION OF SPRINKLER HEADS INCLUDING PIPE, FITTINGS, HANGERS AND ACCESSORIES. THIS BUILDING IS TO BE FULLY SPRINKLED. THE EXISTING FIRE SPRINKLER MAIN BRANCHES SHALL BE MODIFIED AS REQUIRED TO PROVIDE COMPLETE COVERAGE FOR ALL AREAS WITHIN THE SCOPE OF THIS WORK AND SHALL BE MODIFIED AS NECESSARY TO ACCOMMODATE REQUIREMENTS OF THE NEW PARTITION, NEW LIGHT FIXTURES, SORFITS, FURR DOWNS, CEILING LAYOUT, ETC.
- FIRE SPRINKLER SYSTEM SHALL PROVIDE COMPLETE AUTOMATIC PROTECTION AND COVERAGE REQUIRED BY THE LOCAL, STATE, JURISDICTIONAL, GOVERNMENTAL AGENCIES AND NFPA 13 (LATEST ADDITION). THE WORK SHALL INCLUDE BUT NOT BE LIMITED TO VALVE SUPERVISORY SWITCHES, FLOW SWITCHES AND COORDINATION WITH THE LANDLORD'S FIRE ALARM SYSTEM.
- FIRE SPRINKLER SYSTEM SHALL PROVIDE COMPLETE AUTOMATIC PROTECTION AND COVERAGE IMMEDIATELY OUTSIDE THE NEW AREA REQUIRED BY THE LOCAL, STATE, JURISDICTIONAL, AND GOVERNMENTAL AGENCIES.
- SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED BY A STATE LICENSED FIRE PROTECTION CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE, JURISDICTIONAL, GOVERNMENTAL AGENCIES AND NFPA 13 (LATEST ADDITION). SPRINKLER SYSTEM MUST ALSO BE APPROVED BY LANDLORD AND LANDLORD'S FIRE INSURANCE UNDERWRITER.
- COMPLETE SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED BY THE CONTRACTOR TO OWNER/ARCHITECT, LANDLORD, LANDLORD'S FIRE INSURANCE UNDERWRITER AND FIRE MARSHALL'S APPROVAL.
- ALL SPRINKLER HEADS SHALL BE INSTALLED IN CENTER OF CEILING TILES REGARDLESS OF ANY NECESSITY TO INSTALL ADDITIONAL HEADS TO ACCOMPLISH UNIFORM APPEARANCE OF THE COMPLETED INSTALLATION BY THIS REQUIREMENT.
- SPRINKLER SYSTEM SHALL CONTAIN NO VALVES DOWNSTREAM OF CONTROL STATION.
- UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL MAKE AND PAY FOR ALL TESTS AS MAY BE REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND SHALL CORRECT ANY DEFECTS INDICATED BY TESTS TO THE SATISFACTION OF THE AUTHORITIES.
- THE SPRINKLER SYSTEM SHALL BE FULLY CHARGED AND OPERATIONAL WHEN THE CONTRACTOR IS OFF THE SITE.
- SPRINKLER CONTRACTOR SHALL REFER TO ARCHITECTURAL CODE SHEET FOR SPECIAL REQUIREMENTS.

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AID PROJECT NO.: 17-0023 LEE

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1	ADDENDUM 1	11-07-2018
NO.	REVISION	DATE



SHEET NAME:

**PLUMBING SCHEDULES**

DATE: 10/11/2018  
REVIEWED BY: DBR  
PROJECT NO.: 201611500  
SHEET NO.:

**P02-01**

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