



CLIENT FOCUSED. PASSION DRIVEN.

March 30, 2016

TO : All Bidders
FROM : James P. DiCamillo
PROJECT : Rowland High School Additions/Renovations
Project 1310700.41
SUBJECT : Addendum 1
DSA : 03-115771 / 19-H54

The following changes, omissions, and/or additions to the Project Manual and/or Drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.

Careful note of the Addendum shall be taken by all parties of interest so that the proper allowances may be made in strict accordance with the Addendum, and that all trades shall be fully advised in the performance of the work which will be required of them.

Bidder shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern.

1. DRAWINGS

1.1 DRAWING A1.0F - FIRE SITE PLAN

- A. Clarification: Refer to Utility Plans for the exact locations of the new fire hydrants.

1.2 DRAWING A1.1 - OVERALL SITE PLAN

- A. Provide and install 32' wide Traffic Control Gate per Detail 5/5.5.

1.3 DRAWING A1.2 - DEMO SITE PLAN

- A. Extend demolition to the existing planter areas where new work shown in Landscape and Irrigation drawings.
- B. Replace drawing with the revised Drawing A1.2 marked with Delta 1 attached.

1.4 DRAWING A1.3 - ENLARGED SITE PLAN

- A. Extend new planter areas per the Landscape and Irrigation drawings.
- B. East entry pad of new Building C: Provide concrete pad in lieu of AC pavement per the civil drawing.
- C. Refer to Civil drawing for the extent of new concrete paving work. All concrete pavement shall be "Light Duty" per C0.02 except in the areas marked as Fire Lane in A1.0F.
- D. Provide new concrete mow curb per Detail A/LPD.1 - as graphically shown at the south side of the new MPR.

- E. Provide tube steel fencing per Detail 4/5.2 and 4' wide concrete walkway as graphically shown around the playground at the northern side of the ASB building.
- 1.5 DRAWING AA2.2 - ADMINISTRATION BUILDING SECOND FLOOR PLAN
- A. Clarification: Omit what appear to be walls in front of Doors DA203A and DA203B. Rated shaft walls are to remain.
- 1.6 DRAWING AA3.1 - ADMINISTRATION/LIBRARY BUILDING A FIRST FLOOR REFLECTED CEILING PLAN
- A. Replace drawing with the revised Drawing AA3.1 marked with Delta 1 attached.
- 1.7 DRAWING AA3.2 - ADMINISTRATION/LIBRARY BUILDING SECOND FLOOR REFLECTED CEILING PLAN
- A. Replace drawing with the revised Drawing AA3.2 marked with Delta 1 attached.
- 1.8 DRAWING AA5.4 - ADMINISTRATION/LIBRARY BUILDING A STAIR SECTION
- A. Replace drawing with the revised Drawing AA5.4 marked with Delta 1 attached.
- 1.9 DRAWING AA7.3 - ADMINISTRATION/LIBRARY BUILDING A CASEWORK PLANS AND ELEVATIONS
- A. Detail 1A: Provide 12" bar mount Light Bronze Aluminum finish - metal lettering and two alternatives wall paint colors.
 - B. Clarification: Three color variation specified in Reference Note 0905 does not apply in casework application. Provide one color as selected by the owner.
- 1.10 DRAWING AA7.4 - ADMINISTRATION/LIBRARY BUILDING A CASEWORK PLANS AND ELEVATIONS
- A. Replace drawing with the revised Drawing AA7.4 marked with Delta 1 attached.
- 1.11 DRAWING AA7.5 - ADMINISTRATION/LIBRARY BUILDING A CASEWORK PLANS AND INTERIOR ELEVATIONS
- A. Detail 2: Provide 24" projected mount painted finish - metal lettering and two alternatives wall paint colors.
- 1.12 DRAWING AA7.6 - ADMINISTRATION/LIBRARY BUILDING A INTERIOR ELEVATIONS
- A. Replace drawing with the revised Drawing AA7.6 marked with Delta 1 attached.
- 1.13 DRAWING AA8.1 - ADMINISTRATION/LIBRARY BUILDING A DOOR LEGEND AND SCHEDULE
- A. Door Schedule:
 - 1. Door DA010E: Provide signage per Detail 24/10.1.
 - 2. Door DA010E: Provide 60 min painted HM door and frame with HW Group 050.
 - 3. Door DA101B: Provide signage per Details 6, 20, 21/10.1.

- 1.14 DRAWING AA8.2 - ADMINISTRATION/LIBRARY BUILDING A FRAME AND WINDOW LEGEND
 - A. Replace drawing with the revised Drawing AA8.2 marked with Delta 1 attached.
- 1.15 DRAWING AA9.1 - ADMINISTRATION/LIBRARY BUILDING A ROOM FINISH SCHEDULE
 - A. A Room Schedule:
 - 1. Remove wallpaper from scope and replace with painting.
 - 2. Replace tile carpeting with sheet carpeting.
 - 3. Replace linoleum tile flooring with VCT flooring.
- 1.16 DRAWING AC2.1 - CLASSROOM BUILDING C FIRST FLOOR PLAN
 - A. Detail 1: Refer to Detail 18/AC6.1 for Stairway C030 enlarged plan.
- 1.17 DRAWING AC3.1 - CLASSROOM BUILDING C FIRST FLOOR REFLECTED CEILING PLAN
 - A. Detail reference 6/10.2 and Reference Note 1103: Remove soffits and electric projection screens in (11) classrooms. Continue suspended acoustic ceiling to the wall instead.
 - B. Exterior plaster ceiling elevation in the stairwell is 10'-0" A.F.F of the first floor.
- 1.18 DRAWING AC3.2 - CLASSROOM BUILDING C SECOND FLOOR REFLECTED CEILING PLAN
 - A. Detail reference 6/10.2 and Reference Note 1103: Remove soffits and electric projection screens in (11) classrooms. Continue suspended acoustic ceiling to the wall instead.
 - B. Exterior plaster ceiling elevation in the stairwell is 10'-0" A.F.F of the second floor.
- 1.19 DRAWING AC6.1 - CLASSROOM BUILDING C ENLARGED PLANS
 - A. Detail 1: Add one Reference Note 1008 (Surface Mounted Soap Dispenser B-4112) to each lavatory.
 - B. Details 6, 14 and 18: Revise stair numbering respectively from Numbers 11, 12 and 13 to C010, C030 and C020.
 - C. Keynote Legend: Clarification: Bathroom / Janitorial accessories model numbers listed were selected from the Bobrick product lines. See Specification Section 10 28 13 for more information.
- 1.20 DRAWING AC7.1 - CLASSROOM BUILDING C - FIRST FLOOR INTERIOR PLAN
 - A. Detail 1: Remove all marker boards in (11) classrooms from the scope and replace with interactive and dry erase combination boards. See typical classroom elevations in revised Drawing AC7.3.
 - B. Classroom C102: Replace typical classroom cabinetry (WI-222 and WI-302) with full height storage cabinet (WI-412). This change is typical for all classrooms.

1.21 DRAWING AC7.2 - CLASSROOM BUILDING C - SECOND FLOOR INTERIOR PLAN

- A. Detail 1: Remove all marker boards in (11) classrooms from the scope and replace with interactive and dry erase combination boards. See typical classroom elevations in revised Drawing AC7.4.
- B. Classroom C202: Replace typical classroom cabinetry (WI-222 and WI-302) with full height storage cabinet (WI-412). This change is typical for all classrooms.

1.22 DRAWING AC7.3 - CLASSROOM BUILDING C INTERIOR ELEVATIONS

- A. Replace drawing with the revised Drawing AC7.3 marked with Delta 1 attached.

1.23 DRAWING AC7.4 - CLASSROOM BUILDING C INTERIOR ELEVATIONS

- A. Replace drawing with the revised Drawing AC7.4 marked with Delta 1 attached.

1.24 DRAWING AC8.1 - CLASSROOM BUILDING C DOOR FRAME AND WINDOW SCHEDULE

- A. C Door Schedule:
 - 1. Door DC104A: Door and Frame Materials, Finishes and Signage shall match Door DC105.
 - 2. Door DC130A: Provide Room Control Sign per Detail 20/10.1.
 - 3. Door DC221A: Revise HW group to Number 044.
 - 4. Remove "Under Cut" column. Under-cut requirements are provided in "Comments" column.
- B. Window Types CC and CD: Refer to Detail 7/8.1 for sill condition.

1.25 DRAWING AC9.1 - CLASSROOM BUILDING C ROOM FINISH SCHEDULE

- A. C Room Schedule:
 - 1. Remove wallpaper from scope and replace with painting.
 - 2. Replace tile carpeting with sheet carpeting
 - 3. Replace linoleum tile flooring with VCT flooring.

1.26 DRAWING AS2.1 - ASB AND SPECIAL ED BUILDINGS FLOOR PLANS

- A. Details 3 and 10: Remove all marker boards (ref note 1031) and replace with one set of Interactive and Dry Erase Combination Board, Wall-mount Projector and Audio System per classroom (a total of 4). Reference attached revised Detail 11/AC7.4 - sim.
- B. Detail 11: Fur exposed steel structure along grid line B1 and B3 full height.

1.27 DRAWING AS4.1- ASB AND SPECIAL ED BUILDINGS ROOF PLANS

- A. Detail 3: Reconfigure cricket layout to avoid ponding around the roof hatch.

- 1.28 DRAWING AS5.1 - ASB AND SPECIAL ED BUILDINGS ELEVATIONS
 - A. Replace drawing with the revised Drawing AS5.1 marked with Delta 1 attached.
- 1.29 DRAWING AS8.1 - ASB AND SPECIAL ED DOOR, FRAME AND WINDOW SCHEDULE
 - A. S Door Schedule: Remove louvers in Doors DS102A and DS102B.
 - B. B Door Schedule: Revise door type of Door DB101A from Type AA to Type A.
- 1.30 DRAWING AS9.1 - ASB AND SPECIAL ED BUILDINGS ROOM FINISH SCHEDULE
 - A. B and S Room Schedules:
 - 1. Remove wallpaper from scope and replace with painting.
 - 2. Replace tile carpeting with sheet carpeting.
 - 3. Replace linoleum tile flooring with VCT flooring.
 - 4. Replace symbol CT with PT.
 - 5. Room B103: Base finish shall be PT; Wall finish shall be GB.
 - 6. Refer to Interior Elevation AS5.1 for wall finishes.
- 1.31 DRAWING AT2.1 - THEATER / CAFÉ / MPR BUILDING T FIRST FLOOR PLAN AREA A
 - A. Room T173: Clarification: Provide roof access ladder as shown in Ceiling Plan AT3.1.
- 1.32 DRAWING AT2.2 - THEATER / CAFÉ / MPR BUILDING T FIRST FLOOR PLAN AREA B
 - A. Room T122: Clarification: Provide roof access ladder as shown in Ceiling Plan AT3.2 and Roof Plan AT4.2. Coordinate placement with electrical equipment layout.
 - B. Room T154: Clarification: Provide roof access ladder on grid line T16 as shown in Ceiling Plan AT3.2 and Roof Plan AT4.2.
- 1.33 DRAWING AT2.3 - THEATER / CAFÉ / MPR BUILDING T FIRST FLOOR PLAN AREA C
 - A. Room T121: Provide wall opening 16'-6"W x 8'-6"H along Grid Line TK per Details 1 and 2/FS-702. Enforce low wall section per Detail 1/S1.3.
- 1.34 DRAWING AT2.4 - THEATER / CAFÉ / MPR BUILDING T LOWER CATWALK PLANS
 - A. Room T202: Clarification: Provide roof access ladder on Grid Line T16.5 as shown in Ceiling Plan AT3.4 and Roof Plan AT4.2.
- 1.35 DRAWING AT2.5 - THEATER / CAFÉ / MPR BUILDING T CATWALK AND FLY GALLERY PLANS
 - A. Keynote 0509: Replace detail reference from 15/5.1 to 19/5.1.

- 1.36 DRAWING AT3.2 - THEATER / CAFÉ / MPR BUILDING T REFLECTED CEILING PLAN AREA B
 - A. Keynote 0616: Clarification: Plywood face shall be flushed with the face of ceiling joist. Provide stud backing at 24" o.c. per Detail 16/9.1.
 - B. Room T122: Revise ceiling height from 8'-0" to 9'-0" AFF.
 - C. Room T140: Refer to Detail 20/A9.4 for the light fixture recess detail.
- 1.37 DRAWING AT4.3 - THEATER / CAFÉ / MPR BUILDING T ROOF PLAN AREA C.
 - A. Clarification: Refer to Drawing MT4.3 for mechanical units and equipment layout.
- 1.38 DRAWING AT7.1 - THEATER / CAFÉ / MPR BUILDING T FIRST FLOOR INTERIOR ELEVATIONS
 - A. Replace drawing with the revised Drawing AT7.1 marked with Delta 1 attached.
- 1.39 DRAWING AT7.2 - THEATER / CAFÉ / MPR BUILDING T INTERIOR ELEVATIONS
 - A. Replace drawing with the revised Drawing AT7.2 marked with Delta 1 attached .
- 1.40 DRAWING AT7.5 - THEATER / CAFÉ / MPR BUILDING T INTERIOR ELEVATIONS
 - A. Replace drawing with the revised Drawing AT7.5 marked with Delta 1 attached.
- 1.41 DRAWING AT8.1 - THEATER / CAFÉ / MPR BUILDING T DOOR LEGEND AND SCHEDULE
 - A. T Door Schedule: Door DT131A: Replace door material from wood to hollow metal.
 - B. T Door Schedule: Door DT204A: Door material shall be hollow metal - painted.
- 1.42 DRAWING AT8.2 - THEATER / CAFÉ / MPR BUILDING T FRAME AND WINDOW LEGEND
 - A. Replace drawing with the revised Drawing AT8.2 marked with Delta 1 attached.
- 1.43 DRAWING AT9.1- THEATER / CAFÉ / MPR BUILDING T ROOM FINISH SCHEDULE
 - A. T Room Schedule: Rooms T120, T128, T130 and T131: Replace Quartz flooring and base with Quarry Tile flooring and base.
 - B. T Room Schedule: Room 140: Refer to Interior Elevation for wall finishes.
 - C. T Room Schedule: Rooms T177, T178, T179 and T186: Apply 8' H acoustic panel over gypsum board on all 4 sides of the rooms.
 - D. Room Finish Abbreviations Legend: Revise floor finish abbreviation from PWF to PW.
- 1.44 DRAWING 2.1 - SITE DETAILS
 - A. Detail 10: Revise keynote 0935 pointing to a circular dashed line to say "concrete column wrap - refer to Drawing 20/3.1."
 - B. Detail 10: Connect roof drain to the nearby 8" storm drain. Conceal both vertical roof and overflow drain pipes in the concrete column wrap.

- C. Detail 18: Where Detail References 4A and 10/3.1 occur, include gutter as called out in the civil drawing.

1.45 DRAWING 2.2 - SITE DETAILS

- A. Detail 5: Provide painted smooth finish concrete with 1" chamfered edges - typ all edges. Steel angles and concrete bolts shall be galvanized.

1.46 DRAWING 3.1 - CONCRETE DETAILS

- A. Detail 20: Remove reference to Detail 20/S1.6.

1.47 DRAWING 5.1 - METAL DETAILS

- A. Details 2 and 4: Provide abrasive stair nosing per Detail 1/5.1 where stair nosing striping is called out in the enlarged stair plan (not only at top and bottom treads).
- B. Detail 7: Provide backing where attachments occur per Detail 16/9.1.
- C. Detail 21: Revise Detail References 1 and 2/9.4 to 5 and 6/5.1.

1.48 DRAWING 5.2 - GATE DETAILS

- A. Detail 16: Revise specification for the gate closer to: Positive Force System. Model number per manufacturer's recommendation. Panic device shall be Von Duprin 99DT or equal. Hinges shall be Grainger 4PA26.

1.49 DRAWING 5.3 - METAL DETAILS

- A. Detail 12: Revise this detail with the attached Sketch A1.3.

1.50 DRAWING 5.5 - TRAFFIC GATE DETAILS

- A. Add new Drawing 5.5- Traffic Gate Details marked with Delta 1 attached.

1.51 DRAWING 6.1 - CASEWORK DETAILS

- A. Detail 14: Clarification: Provide stained mahogany stage edge trim.
- B. Detail 22: Revise this detail with the attached Sketch A1.4.
- C. Detail 24: Refer to Drawing 2/AV-06 for more requirements for the counter top.

1.52 DRAWING 6.2 - CASEWORK AND MISCELLANEOUS DETAILS

- A. Replace drawing with the revised Drawing 6.2 marked with Delta 1 attached.

1.53 DRAWING 7.1 - THERMAL AND MOISTURE PROTECTION DETAILS

- A. Detail 1: Revise this detail with the attached Sketch A1.5.
- B. Detail 3: Revise detail reference from 23/- to 20/-.

- C. Detail 5: Clarification: Building Cladding System shall be Alucobond Rout and Return - Dry Seal system (www.Alucobondusa.com) or equal. Install per manufacturer's instruction.
 - D. Detail 11: Spray applied fire proofing is not required.
- 1.54 DRAWING 8.1 - DOOR AND WINDOW FRAME DETAILS
- A. Replace drawing with the revised Drawing 8.1 marked with Delta 1 attached.
- 1.55 DRAWING 9.1 - FLOOR, WALL AND ROOF DETAILS
- A. Details 7 and 11: Spray applied fire proofing is not required.
- 1.56 DRAWING 9.3
- A. Detail 4: Revise Detail Reference 4/9.3 to 9/9.3.
 - B. Detail 4: Revise Detail Reference 13/6.1 to 14/6.1.
 - C. Detail 6: Add this new detail: Typical Soffit Detail (See Sketch A1-1 attached).
 - D. Detail 9: Revise Detail Deference 3/9.3 to 4/9.3.
 - E. Detail 10: Add this new detail: Reading Room Soffit (See Sketch A1-2 attached).
 - F. Detail 22: Revise Detail Reference 5/- to 11/-.
 - G. Detail 22: Revise Detail Reference 14/10.4 to 14/10.5.
 - H. Detail 22: Refer to 16/S8.2 for metal lettering bracing blocking.
- 1.57 DRAWING 9.4
- A. Replace drawing with the revised Drawing 9.4 marked with Delta 1 attached.
- 1.58 DRAWING 10.2
- A. Detail 4: Provide aluminum flag pole per specification in lieu of fiberglass.
 - B. Detail 8: Omit this detail as there is no shower in this project.
- 1.59 DRAWING 10.5
- A. Detail 9: Provide Fine Sand Float plaster finish with an alternate paint color for the lettering. Provide Knockdown Dash plaster finish with an alternate paint color for the background. Profile attachment per manufacturer instruction.
- 1.60 DRAWING 14.1
- A. Detail 4: Revise elevator door clearance width to 3'-6".

Civil

- 1.61 Replace the following Civil drawings with the attached revised drawings marked with Delta 1.
- A. C0.02 - Abbreviations, Legends and Notes.
 - B. C2.01 - Precise Grading Plan.
 - C. C2.02 - Precise Grading Plan.
 - D. C2.03 - Precise Grading Plan.
 - E. C2.04 - Ramp and Stair Details.
 - F. C3.01 - Storm Drain Plan.
 - G. C3.02 - Storm Drain Plan.
 - H. C3.03 - Storm Drain Plan.
 - I. C4.01 - Utility Plan.
 - J. C4.02 - Utility Plan.
 - K. C4.03 - Utility Plan.
 - L. C5.01 - Improvement Details.
 - M. C5.04 - Utility Details.

Landscape and Irrigation

- 1.62 Replace the following Landscape and Irrigation drawing with the attached revised drawings marked with Delta 1.
- A. LI.A - Overall Landscape Irrigation Plan.
 - B. LI.1 - Landscape Irrigation Plan.
 - C. LI.2 - Landscape Irrigation Plan.
 - D. LID.1 - Landscape Irrigation Plan.
 - E. LP.2 - Landscape Planting Plan.

Structural

- 1.63 Replace the following structural drawings with the attached revised drawings marked with Delta 1.
- A. S1.4 - Typical Details.
 - B. S1.5 - Site Plans and Details.

- C. S1.6 - Site Plans and Details.
- D. S1.7 - Typical Details.
- E. S7.1 - Details.
- F. S7.2 - Details.
- G. S8.1 - Details.
- H. S8.2 - Details.
- I. S8.3 - Details.
- J. S8.4 - Details.
- K. S8.5 - Details.
- L. S8.9 - Details.
- M. S9.1 - Details.
- N. SA2.2 - Administration Building Floor Framing Plan.
- O. SA3.1 - Administration Building A First Floor Framing Plan.
- P. SA3.2 - Administration Building A Second Floor Framing Plan.
- Q. SA4.1 - Administration Building Roof Framing Plan.
- R. SA5.1 - Administration Building Framing Elevations.
- S. SA5.2 - Administration Building Framing Elevations.
- T. SC2.1 - Classroom Building Foundation Plan.
- U. SC2.2 - Classroom Building Floor Framing Plan.
- V. SC3.1 - Classroom Building C First Floor Ceiling Framing Plan.
- W. SC3.2 - Classroom Building C Second Floor Ceiling Framing Plan.
- X. SC4.1 - Classroom Building Roof Framing Plan.
- Y. SC5.1 - Classroom Building Frame Elevations.
- Z. SS2.1 - ASB and Special Ed Buildings Foundation Plans.
- AA. ST2.2 - Theater Building Foundation Plan Area B.
- BB. ST3.2 - Theater Building Ceiling Framing Plan Area B.
- CC. ST4.1 - Theater Building Roof Framing Plan Area A.

DD. ST4.2 - Theater Building Roof Framing Plan Area B.

EE. ST5.1 - Theater Building Frame Elevations.

Electrical

1.64 Replace the following electrical drawings with the attached revised drawings marked with Delta 1.

- A. E0.1 - Symbols List, Sheet Index and General Notes
- B. E0.2 - Lighting Fixture Schedule and Notes.
- C. E1.1 - Site Power Plan.
- D. E1.2 - Site Signal Plan.
- E. E1.3 - Site Lighting Plan.
- F. EA2.1 - Power Plan - Administration Building - First Floor.
- G. EA2.2 - Power Plan - Administration Building - Second Floor.
- H. EA2.3 - Signal Plan - Administration Building - First Floor.
- I. EA2.4 - Signal Plan - Administration Building - Second Floor.
- J. EA3.1 - Lighting Plan - Administration Building - First Floor.
- K. EA4.1 - Roof Electrical Plan - Administration Building.
- L. EC2.1 - Power Plan - Classroom Building - First Floor.
- M. EC2.2 - Power Plan - Classroom Building - Second Floor.
- N. EC2.3 - Signal Plan - Classroom Building - First Floor.
- O. EC2.4 - Signal Plan - Classroom Building - Second Floor.
- P. EC3.2 - Lighting Plan - Classroom Building - Second Floor.
- Q. EC4.1 - Roof Electrical Plan - Classroom Building.
- R. ES2.1 - Power Plans - ASB and Special Ed Buildings.
- S. ET2.1 - Power Plan - Partial Theater Building - First Floor.
- T. ET2.2 - Power Plan - Partial Theater Building - First Floor.
- U. ET2.3 - Power Plan - Partial Theater Building - Second Floor.
- V. ET2.4 - Signal Plan - Partial Theater Building - First Floor.
- W. ET3.1 - Lighting Plan - Partial Theater Building - First Floor.

- X. ET3.2 - Lighting Plan - Partial Theater Building - First Floor.
- Y. ET3.3 - Lighting Plan - Partial Theater Building - Second Floor.
- Z. ET3.4 - Stage Lighting Plan - Stage Level.
- AA. ET3.5 - Stage Lighting Plan - Mezzanine Level.
- BB. ET3.6 - Stage Lighting Plan - Catwalk Level.
- CC. ET3.7 - Stage Lighting Plan - Loading Gallery.
- DD. ET4.1 - Roof Electrical Plan - Partial Theater Building.
- EE. ET4.2 - Roof Electrical Plan - Partial Theater Building.
- FF. ET4.3 - Roof Electrical Plan - Partial Theater Building.
- GG. E5.1 - Single Line Diagram.
- HH. E5.2 - Single Line Diagram Theater and Classroom Building.
- II. E5.3 - Single Line Diagram Administration Building.
- JJ. E5.4 - Panel Schedules Administration.
- KK. E5.5 - Panel Schedules Classroom.
- LL. E5.7 - Panel Schedules Theater Building.
- MM. E5.9 - Theater Dimming Schedule.
- NN. E5.10 - Enlarged Electrical Rooms.
- OO. E6.1D - Demo Signal Riser Diagrams.
- PP. E6.1 - Signal Riser Diagrams.
- QQ. E7.1 - Anchorage Details.

1.65 Add the following new electrical drawing marked with Delta 1 attached.

- A. E1.3A - Courtyard Lighting Plan.

Mechanical

1.66 Replace the following mechanical drawings with the attached revised drawings marked with Delta 1.

- A. M6.1 - Controls and Wiring Diagrams.
- B. M6.2 - Controls and Wiring Diagrams.

- C. M6.3 - Controls and Wiring Diagrams.
- D. MA2.1 - Administration Building First Floor Mechanical Plan.
- E. MA2.1-P - Administration Building First Floor Mechanical Piping Plan.
- F. MS2.1 - ASB and Special Ed Buildings Mechanical Floor Plans.
- G. MT2.5 - Theater Building Catwalk Mechanical Plan Area B.
- H. MT5.4 - Theater Building Mechanical Section Area B.

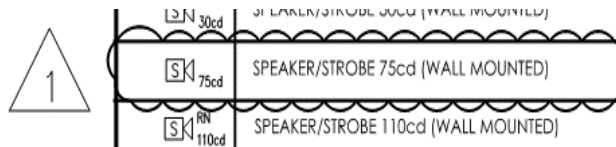
Plumbing

- 1.67 Replace the following plumbing drawings with the attached revised drawings marked with Delta 1.
 - A. P0.1 - Plumbing Schedules, Notes and Legend.
 - B. P0.2 - Plumbing Kitchen Rough-In Schedule.
 - C. P1.0 - Plumbing Site Plan.
 - D. PA2.0 - Administration Building First Floor Plumbing Plan.
 - E. PA2.1 - Administration Building Second Floor Plumbing Plan.
 - F. PA2.2 - Administration Building Roof Plumbing Plan.
 - G. PC2.0 - Classroom Building First Floor Plumbing Plan.
 - H. PS2.0 - ASB and Special Ed Building Plumbing Plans.
 - I. PS2.1 - ASB and Special Ed Building Roof Plumbing Plans.
 - J. PT2.1 - Theater Building First Floor Plumbing Plan Area B.
 - K. PT2.3 - Theater Building Lower Catwalk Plumbing Plan.
 - L. P3.0 - Enlarged Plumbing Plans.
 - M. P3.5 - Enlarged Plumbing Plans.
 - N. P3.6 - Enlarged Plumbing Plans.
 - O. P4.0 - Plumbing Details.

Fire Alarm

- 1.68 DRAWING FA0.0 - COVER SHEET, SCOPE OF WORK, PROJECT INFORMATION, GENERAL NOTES, SYMBOL LEGEND
 - A. Replace drawing with the attached revised Drawing FA0.0 marked with Delta 1 attached.

- 1.69 DRAWING FAA2.1 - ADMINISTRATION BUILDING A SECOND FLOOR FIRE ALARM PLAN
 - A. Replace drawing with the attached revised Drawing FAA2.1 marked with Delta 1 attached.
- 1.70 DRAWINGS FAA1.1, FAB1.1, FAC1.1, FAC2.1, FAS1.1, FAT1.1, FAT1.2, FAT1.3, FAT2.1, FAT3.1:
 - A. Add a symbol for Speaker/Strobe 75cd (Wall Mounted) in the Symbol Legend as follows:

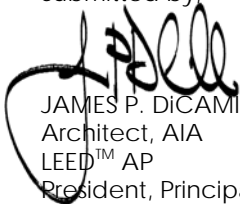


Food Services

- 1.71 DRAWING FS-101 - EQUIPMENT FLOOR PLAN
 - A. Provide 5 corner guards and wall caps to be installed on exposed corners in the Dry Storage and in the preparation area.
 - B. Remove one extra Keynote 22 in the Cooler Room.
 - C. Remove one extra Keynote 16 in the Freezer Room

END OF ADDENDUM 1

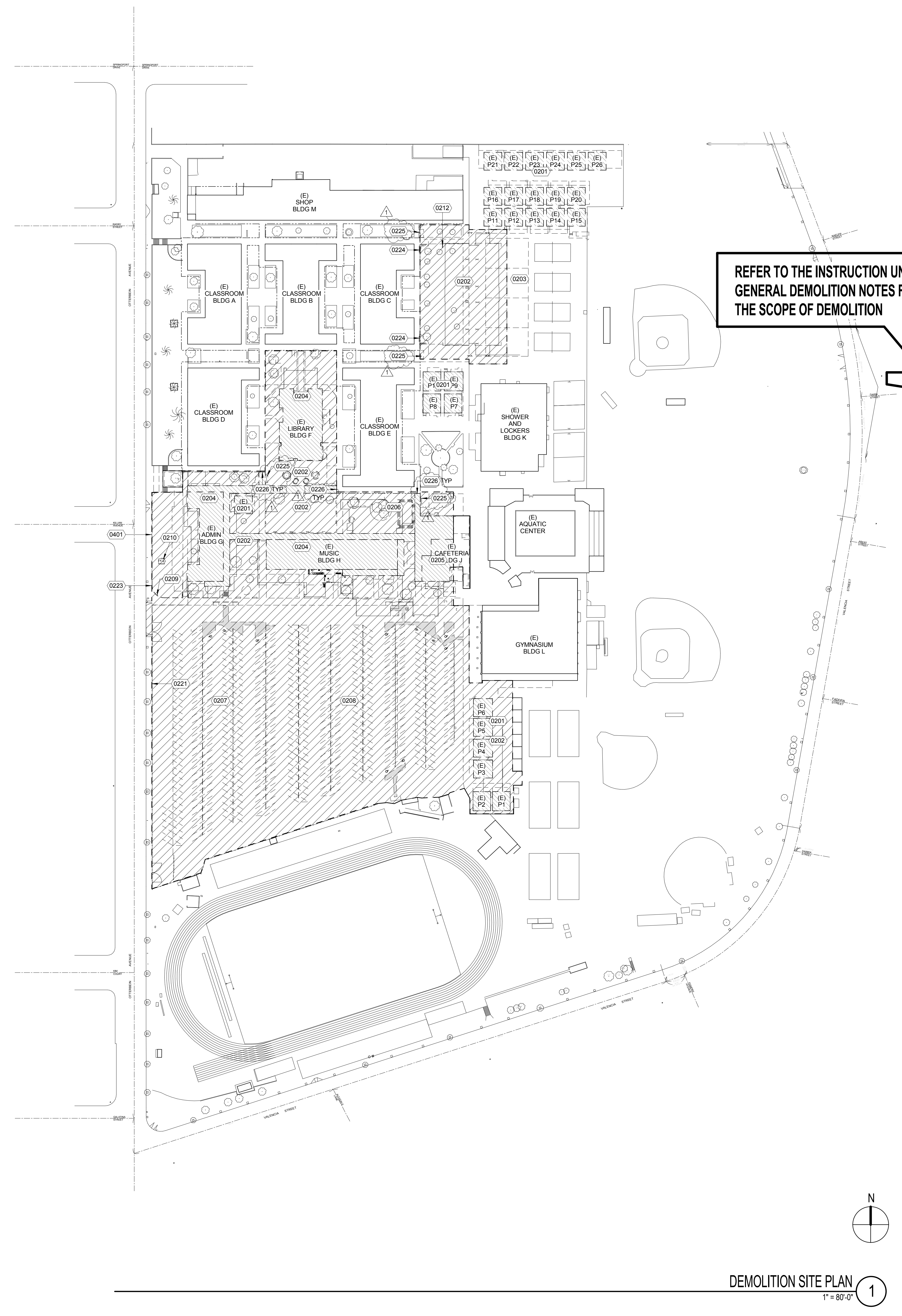
Submitted by


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 President, Principal



JPD:SA:br:/P41310700x1-add

Attachment: A1.2, AA3.1, AA3.2, AA5.4, AA7.4, AA7.6, AA8.2, AC7.3, AC7.4, AS5.1, AT7.1, AT7.2, AT7.5, AT8.2, 5.5, 6.2, 8.1, 9.4, FA0.0, FAA2.1 C0.02, C2.01, C2.02, C2.03, C2.04, C3.01, C3.02, C3.03, C4.01, C4.02, C4.03, C5.01, C5.04, LI.A, LI.1, LI.2, LID.1, LP.2, S1.4, S1.5, S1.6, S1.7, S7.1, S7.2, S8.1, S8.2, S8.3, S8.4, S8.5, S8.9, S9.1, SA2.2, SA3.1, SA3.2, SA4.1, SA5.1, SA5.2, SC2.1, SC2.2, SC3.1, SC3.2, SC4.1, SC5.1, SS2.1, ST2.2, ST3.2, ST4.1, ST4.2, ST5.1, E0.1, E0.2, E1.1, E1.2, E1.3, EA2.1, EA2.2, EA2.3, EA2.4, EA3.1, EA4.1, EC2.1, EC2.2, EC2.3, EC2.4, EC3.2, EC4.1, ES2.1, ET2.1, ET2.2, ET2.3, ET2.4, ET3.1, ET3.2, ET3.3, ET3.4, ET3.5, ET3.6, ET3.7, ET4.1, ET4.2, ET4.3, E5.1, E5.2, E5.3, E5.4, E5.5, E5.7, E5.9, E5.10, E6.1D, E6.1, E7.1, E1.3A, M6.1, M6.2, M6.3, MA2.1, MA2.1-P, MS2.1, MT2.5, MT5.4, P0.1, P0.2, P1.0, PA2.0, PA2.1, PA2.2, PC2.0, PS2.0, PS2.1, PT2.1, PT2.3, P3.0, P3.5, P3.6, P4.0, Sketches A1-1, A1-2, A1-3, A1-4, A1-5



REFER TO THE INSTRUCTION UNDER GENERAL DEMOLITION NOTES FOR THE SCOPE OF DEMOLITION

- (E) BUILDINGS TO REMAIN
- DEMO (E) BUILDING
- DEMO (E) SITE APPROXIMATED LIMIT OF DEMOLITION. ACTUAL LIMIT OF DEMOLITION TO BE VERIFIED DURING CONSTRUCTION TO ACCOMMODATE SITE CONDITIONS AND OTHER DISCIPLINES (S, M, E, P) REQUIREMENTS.

DEMOLITION LEGEND
1" = 80'-0"

- GENERAL:**
UNLESS NOTED OTHERWISE, REMOVE ANY ITEM INCLUDING BUT NOT LIMITED TO STRUCTURE, HARDSCAPE, LANDSCAPE, RETAINING WALL, BOLLARDS, HANDRAILS, CURBS, PARKING LOT LIGHTS ETC. FOR THE EXECUTION OF THE NEW PLAN. PROTECT ALL ADJACENT STRUCTURE, HARDSCAPE, LANDSCAPE AND ITEMS DURING CONSTRUCTION OR REPLACE WHEN DAMAGED.
ADDITIONAL SCOPE OF WORK MAY BE REQUIRED BY OTHER DISCIPLINES. REFER TO OTHER DISCIPLINE'S DRAWINGS.
SOME SITE CONDITIONS ARE NOT INDICATED IN THIS PLAN. ALL BIDDERS ARE REQUIRED TO VISIT THE SITE PRIOR TO BID ENSURE THAT ALL EXISTING UTILITY AND IRRIGATION SYSTEM REMAIN IN WORKING CONDITION DURING AND AT THE END OF CONSTRUCTION.
1. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH THE ORDINANCES, REGULATIONS AND APPLICABLE CODES OF THE CITY OF ROWLAND HEIGHTS AND WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 2. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THE SITE AND BUILDING, AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS (WHICH ARE TO REMAIN IN PLACE) RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS WHETHER OR NOT THOSE EXISTING IMPROVEMENTS ARE INDICATED ON THIS PLAN.
 3. IF ANY UNKNOWN SUB-SURFACE STRUCTURE IS ENCOUNTERED DURING DEMOLITION, IT SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER, THE SUPERVISING CIVIL ENGINEER AND THE PROJECT ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
 4. DUST SHALL BE CONTROLLED BY WATERING.
 5. PRIOR TO COMMENCING ANY DEMOLITION WORK, THE CONTRACTOR SHALL MAKE PROVISIONS FOR AN ADEQUATE AND CONTINUOUS SOURCE OF WATER DURING DEMOLITION AND CONSTRUCTION.
 6. THE REMOVAL OF HAZARDOUS MATERIALS IS NOT COVERED BY THESE PLANS. IN THE EVENT THAT SOIL CONTAMINATED WITH HAZARDOUS MATERIALS OR ABANDONED UNDERGROUND STORAGE TANK IS DISCOVERED, DEMOLITION WORK SHALL BE STOPPED UNTIL A SITE ASSESSMENT AND SEPARATE MITIGATION PLANS HAVE BEEN PREPARED BY OTHERS AND APPROVED BY THE OWNER, CITY OF ROWLAND HEIGHTS, COUNTY OF LOS ANGELES AND OTHER INVOLVED GOVERNING AGENCIES.
 7. THE LOCATION AND PROTECTION OF ALL UTILITIES AND SURVEY MONUMENTS OF EVERY NATURE, WHETHER OR NOT INDICATED ON THESE PLANS, ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES AND SURVEY MONUMENTS THAT HAVE BEEN DAMAGED OR DESTROYED DURING DEMOLITION.
 8. ALL ON-SITE IMPROVEMENTS WHICH ARE TO BE REMOVED OFF-SITE SHALL BE PROPERLY HANDLED AND DISPOSED OF IN COMPLIANCE WITH EXISTING CITY OF ROWLAND HEIGHTS, COUNTY OF LOS ANGELES, STATE AND FEDERAL GUIDELINES AND REGULATIONS.
 9. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND SERVICE ALERT 48- HOURS IN ADVANCE OF THE COMMENCEMENT OF CONSTRUCTION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES INDICATED AND ANY OTHER LINES OF RECORD NOT INDICATED ON THESE PLANS.
 10. ADEQUATE BARRICADES, LIGHTS, FLAGMEN, SIGNS AND OTHER SAFETY DEVICES SHALL BE PROVIDED AS SPECIFIED IN THE TRAFFIC MANUAL PUBLISHED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION LATEST REVISION AND AS SPECIFIED BY THE OWNER.
 11. EXISTING STUDENT HARDSCAPE AND WORK AREAS SHALL BE KEPT CLEAN OF ALL MATERIALS RESULTING FROM THE DEMOLITION OPERATIONS. THE STUDENT HARDSCAPE AND WORK AREAS SHALL BE CLEANED DAILY AS NECESSARY TO MAINTAIN SAFE ENVIRONMENT AT ALL TIMES.
 12. ANY MODIFICATIONS OF, OR CHANGES IN, DEMOLITION PLANS MUST BE APPROVED BY THE OWNER AND THE PROJECT ARCHITECT.
 13. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION OPERATIONS AS DIRECTED BY THE OWNER OR GOVERNING AUTHORITIES. RETURN ADJACENT AREAS TO EXISTING CONDITIONS PRIOR TO THE START OF WORK.
 14. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS OR PERMISSION AND UTILITY DISCONNECTION PERMITS FROM THE CITY OF ROWLAND HEIGHTS AND UTILITY COMPANIES.
 15. ALL UNUSED UTILITIES, SEWER, WATER, GAS, TELEPHONE AND ELECTRIC SERVICES SHALL BE DISCONNECTED AND CAPPED UNDERGROUND UNLESS NOTED OTHERWISE.
 16. ALL UTILITIES, SEWER, WATER, GAS, TELEPHONE AND ELECTRIC SERVICES TO BE DISCONNECTED AND CAPPED SHALL BE ACCORDING TO OWNER, CITY OF ROWLAND HEIGHTS AND UTILITY COMPANY REQUIREMENTS, UNLESS OTHERWISE NOTED.
 17. DO NOT INTERRUPT ANY SERVICES OR DISRUPT THE ACTIVITIES OF THE EXISTING FACILITIES OUTSIDE OF THE DEMOLITION LIMITS.
 18. REMOVE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM THE DEMOLITION AND SITE CLEARING OPERATIONS FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER.
 19. REFER TO THE ATTACHED CIVIL, ELECTRICAL, PLUMBING, AND MECHANICAL DRAWINGS FOR THE PLACEMENT OR RELOCATION OF SUBTERRANEAN/ABOVE GRADE EQUIPMENT ASSOCIATED WITH THOSE SCOPES OF WORK WHICH MAY NOT BE SHOWN OR REFERENCED ON THE ARCHITECTURAL DRAWINGS. EXISTING OR NEW ITEMS SHOWN ON THE ARCHITECTURAL DRAWINGS WHICH ARE INDICATED DIFFERENTLY ON ANY OF THE CONSULTING ENGINEERING DRAWINGS OR AS OCCURS IN THE FIELD SHALL IMMEDIATELY BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO COMMENCING WITH THE WORK IN QUESTION.

DEMOLITION NOTES
1" = 80'-0"

= KEYNOTE LEGEND

KEYNOTE	DESCRIPTION
0200	SITWORK
0201	(E) PORTABLE BUILDING, FOUNDATION AND RAMP TO BE REMOVED. REMOVE UNDERGROUND WIRING TO THE MAIN PANEL, ABANDON UNDERGROUND CONDUIT, AND CAP 3" BELOW GRADE. PATCH AND REPAIR PAVEMENT AFTER REMOVAL.
0202	(E) HARDSCAPE, SITE STRUCTURE, TREES AND SHRUBS TO BE REMOVED FROM SITE FOR CONSTRUCTION OF NEW BUILDINGS
0203	(E) COURT STRIPING TO BE REMOVED
0204	(E) BUILDING AND FOUNDATION, INCLUDING WALKWAY COVER TO BE DEMOLISHED TO THE LIMIT SHOWN.
0205	(E) BUILDING J TO BE PARTIALLY DEMOLISHED AND ALTERED, REF PLAN
0206	(E) CONCRETE STAGE, WALL AND FOOTING TO BE REMOVED
0207	(E) PARKINGLOT STRIPING TO BE REMOVED THROUGH OUT
0208	(E) AC PAVING TO BE REMOVED AND REGRADED, REF CIVIL DRAWING
0209	(E) RETAINING WALL TO BE REMOVED
0210	(E) ELECTRICAL MESSAGE BOARD AND STRUCTURE TO BE REMOVED. REFER TO ELECTRICAL SITE DEMOLITION
0212	(E) FIRE HYDRANT TO BE REMOVED
0221	(E) CHAIN LINK FENCE AND GATES ALONG THE STREET TO BE REMOVED
0223	LIMIT OF RETAINING WALL DEMOLITION
0224	REMOVE (E) CONCRETE BENCH
0225	REMOVE CONCRETE FULL BOX MONUMENTS WITHIN AREA OF DEMOLITION TO 12" BELOW GRADE AND FILL UNDERGROUND CAVITY WITH (2) SACK SLURRY. FINISH GRADE AND SUBGRADE TO 12" BELOW FINISH GRADE TO MATCH ADJACENT A TOTAL OF 4 LOCATIONS.
0226	FRAME OPENING IN THE (E) CANOPY AT THE POINT WHERE DEMOLITION STOPS. CAREFULLY SAW OUT (E) FINISHES AS TO NOT DAMAGE THE ADJACENT SURFACE TO REMAIN. APPLY FINISH, REPAIR ROOFING AND FLASHING TO MAINTAIN WATER TIGHTNESS OF THE REMAINING CANOPY STRUCTURE AND TO MATCH THE ADJACENT SURFACE FINISH AND DETAILING.
0401	(E) RETAINING WALL TO REMAIN

DEMOLITION SITE PLAN
1" = 80'-0" 1

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C-15937
11-30-15
STATE OF CALIFORNIA

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KEY PLAN

REVISION SCHEDULE

NO	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: 1" = 80'-0"
PROJECT NUMBER: 1310700

DEMO SITE PLAN

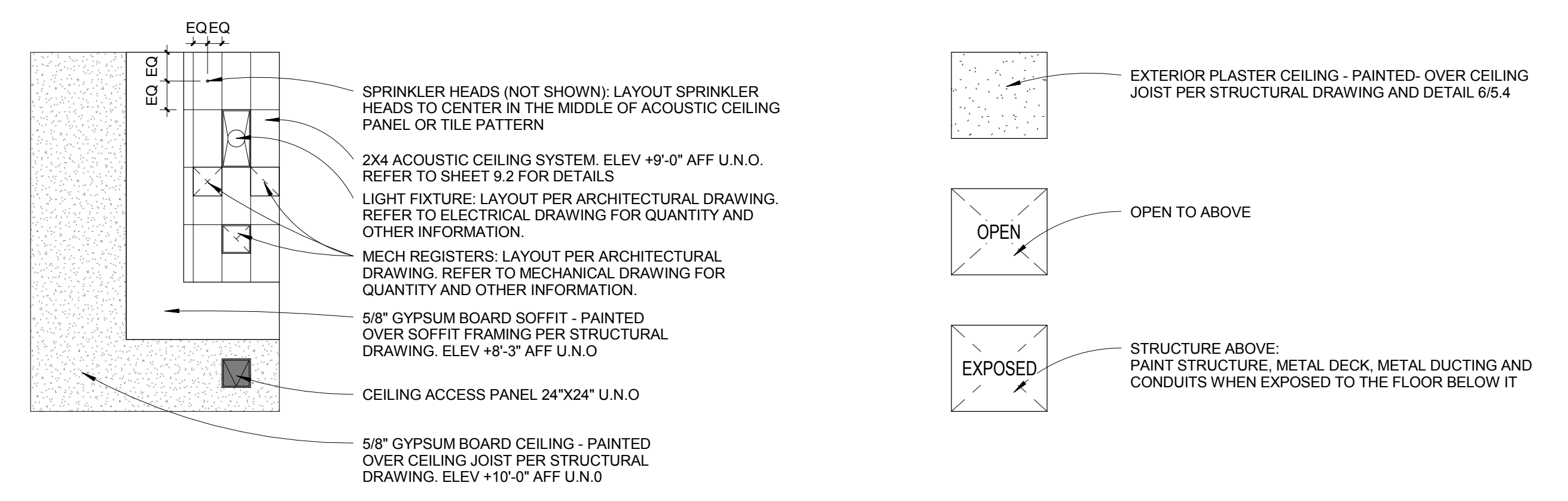
DRAWING NUMBER: **A1.2**

3/29/2016 10:47:02 AM



ADMINISTRATION / LIBRARY BUILDING A FIRST FLOOR
REFLECTED CEILING PLAN 1
1/8" = 1'-0"

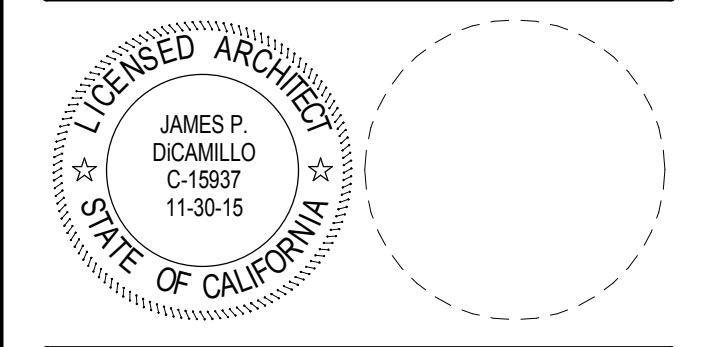
= KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
0702	SEISMIC JOINT COVER AT CEILING PER 1/5.3
0703	SEISMIC JOINT COVER AT WALL PER 2/5.3
0902	EXPOSED STRUCTURE ABOVE - PAINTED
0925	BUILDING CLADDING SYSTEM, SEE DETAILS S/7.1
1029	24" STUD MOUNTED METAL LETTERING



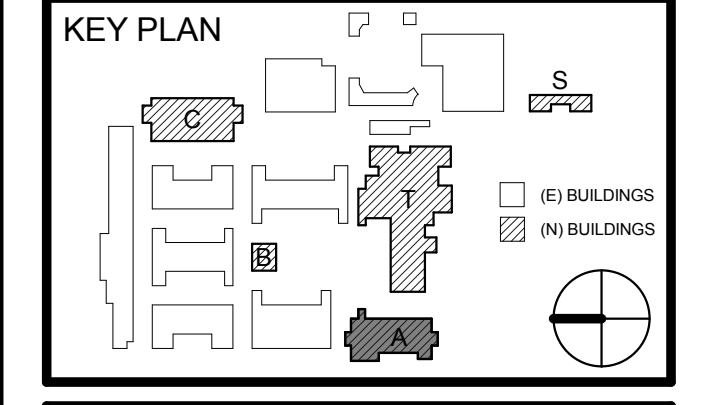
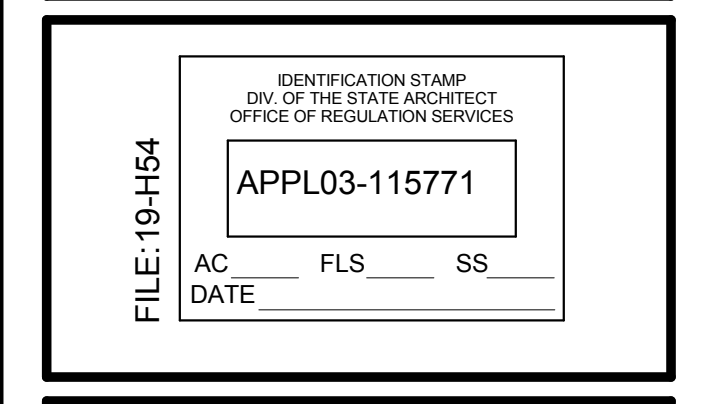
CEILING LEGEND
1/8" = 1'-0"

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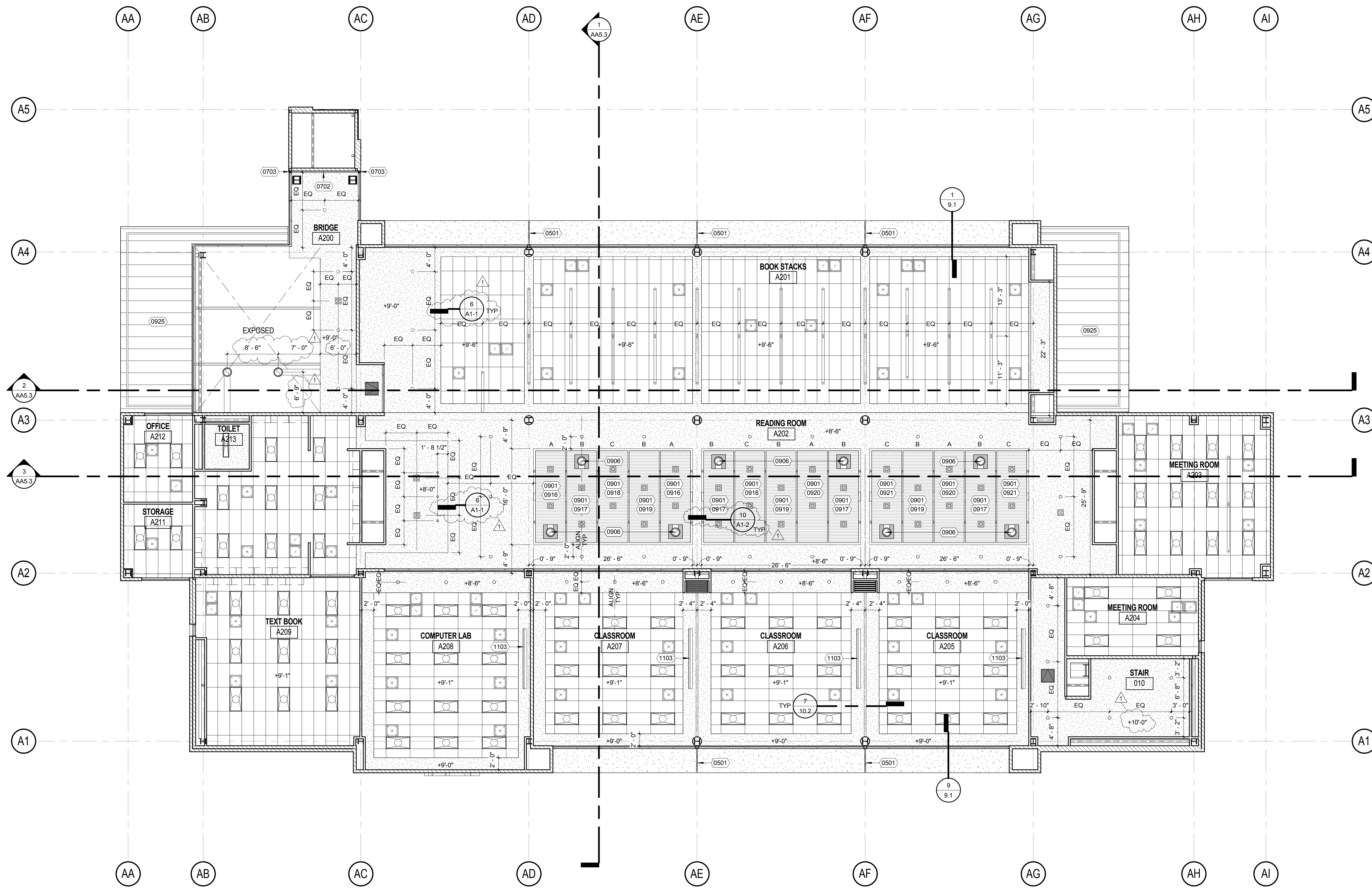
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NO	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: 1/8" = 1'-0"
PROJECT NUMBER: 1310700

ADMIN / LIB BUILDING A
1ST FLOOR REFLECT
CEILING PLAN

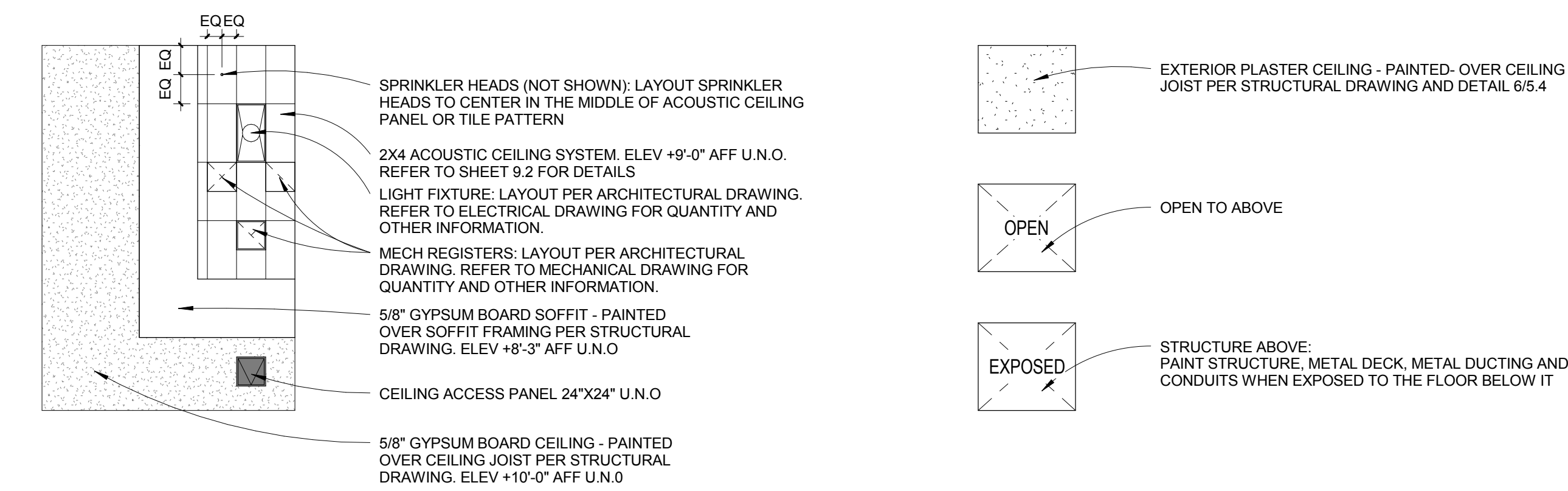
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3/29/2016 10:58:36 AM



ADMINISTRATION / LIBRARY BUILDING SECOND FLOOR
REFLECTED CEILING PLAN 1
1/8" = 1'-0"

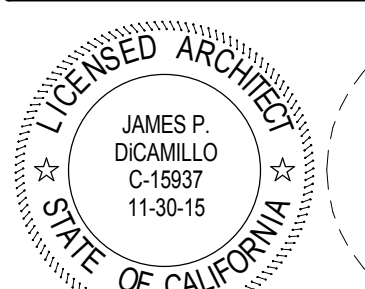
= KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
0501	PERFORATED METAL SCREEN, REF DETAIL 10/5.1
0702	SEISMIC JOINT COVER AT CEILING PER 1/5.3
0703	SEISMIC JOINT COVER AT WALL PER 2/5.3
0901	ACOUSTIC METAL CEILING, REF DETAIL 1/5.4
0906	EXPOSED METAL DUCTING TO BE PAINTED
0916	FORM A - PATTERN 2
0917	FORM B - PATTERN 2 OPPOSITE HAND
0918	FORM C - PATTERN 1
0919	FORM B - PATTERN 1 OPPOSITE HAND
0921	FORM A - PATTERN 1
0925	BUILDING CLADDING SYSTEM, SEE DETAILS 5/7.1
1103	116"W X 65"H ELECTRIC PROJECTION SCREEN



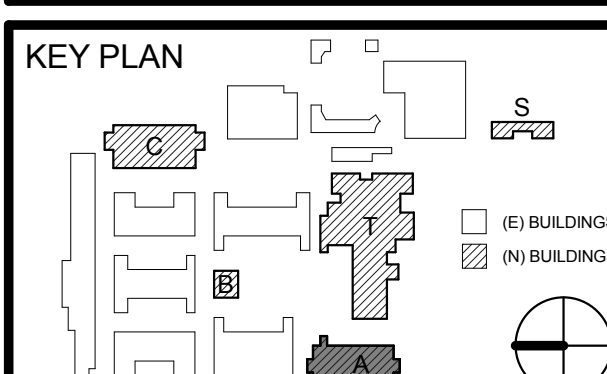
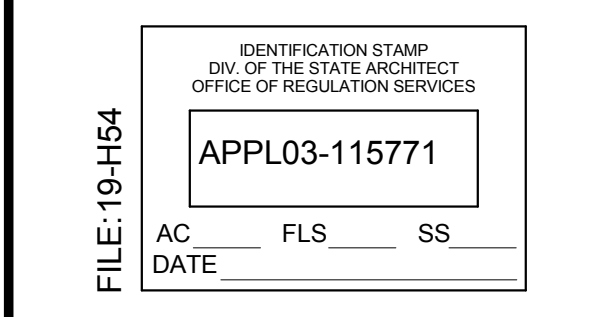
CEILING LEGEND
1/8" = 1'-0"

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REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

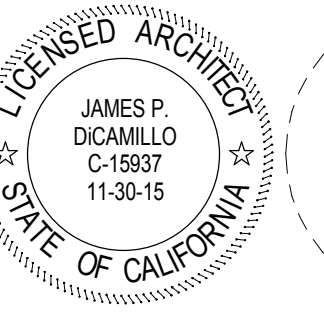
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DATE: 12/21/2015 SCALE: 1/8" = 1'-0"
PROJECT NUMBER: 1310700

ADMIN / LIB BUILDING
2ND FLOOR REFLECT
CEILING PLAN

DRAWING NUMBER: **AA3.2**

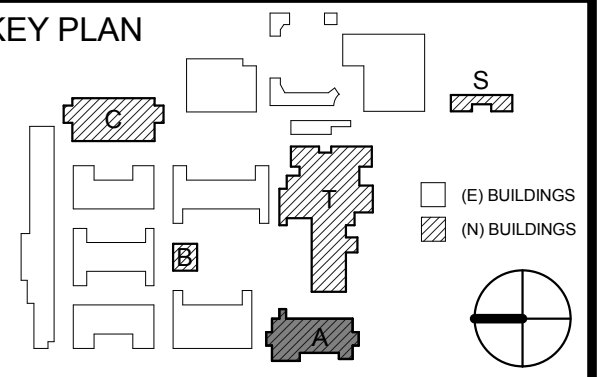
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REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: 1/4" = 1'-0"
PROJECT NUMBER: 1310700

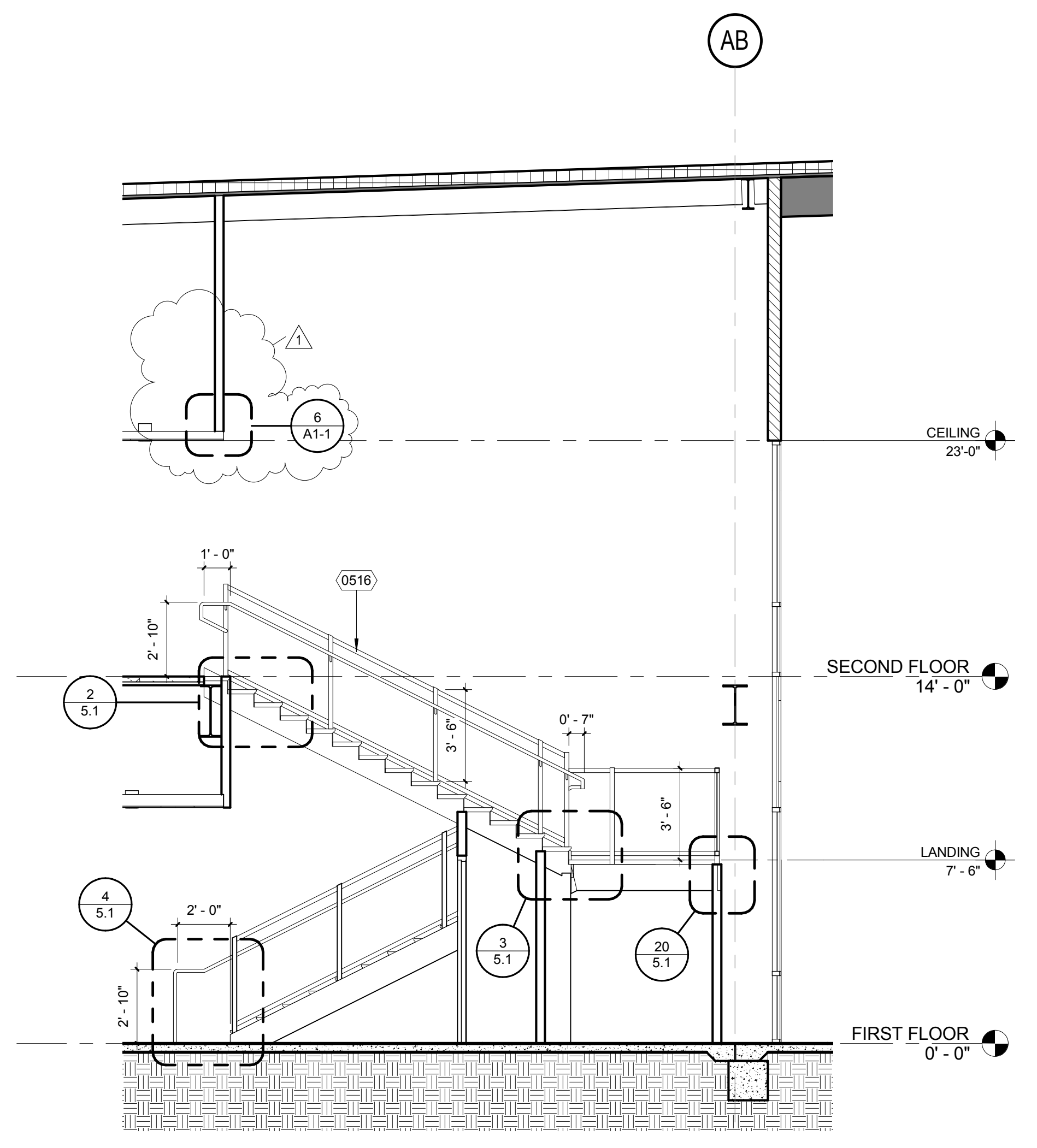
ADMIN / LIB BUILDING A
STAIR SECTIONS

DRAWING NUMBER: **AA5.4**

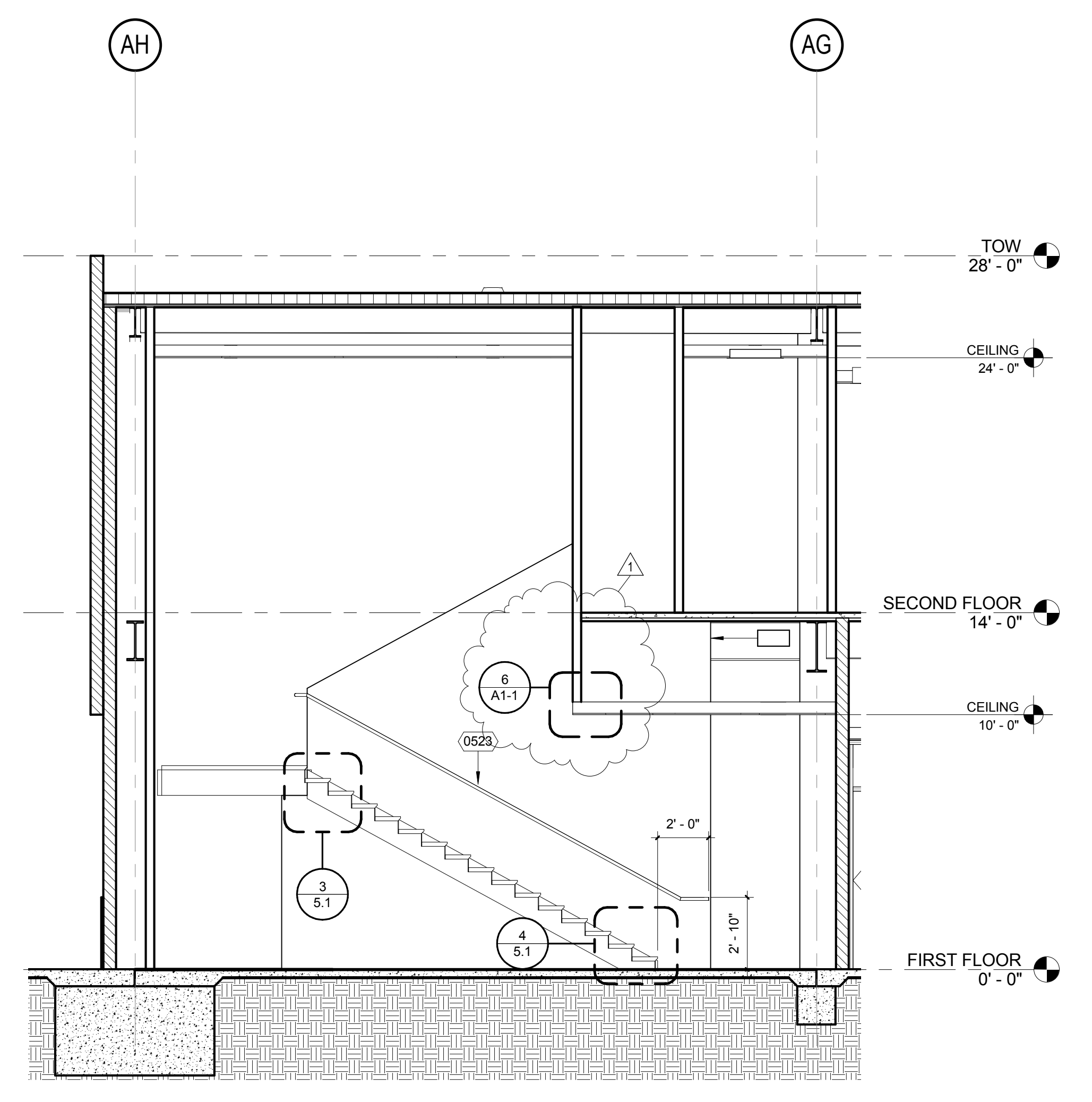
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KEYNOTE LEGEND

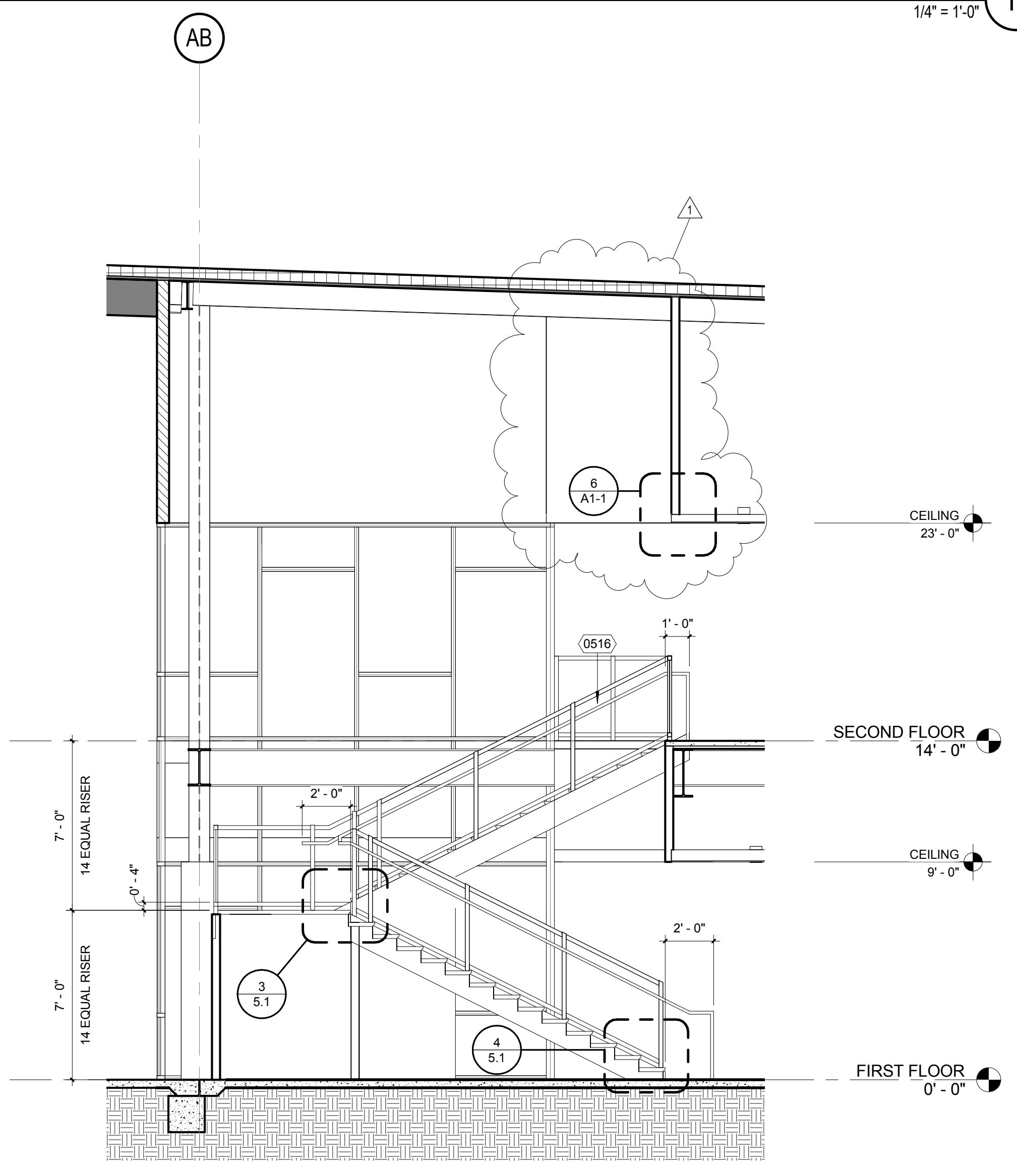
KEYNOTE	DESCRIPTION
0516	RAILING SYSTEM PER DETAIL 20/5.1
0523	PAINTED GALV HANDRAIL PER DETAIL 5/5.1
0710	ELASTOMERIC SHEET WATERPROOFING



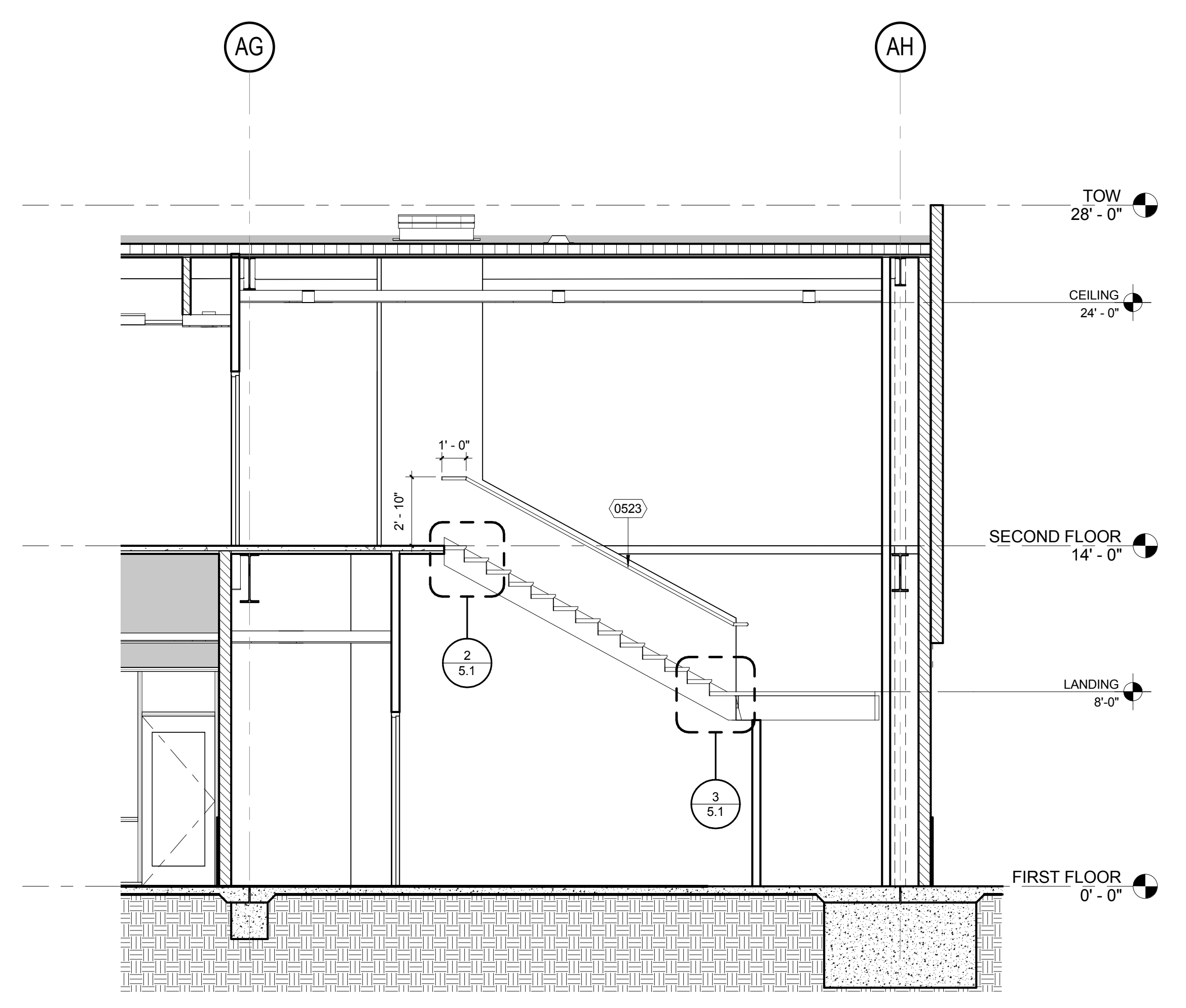
A-STAIR 20_SECTION 1
1/4" = 1'-0" (18)



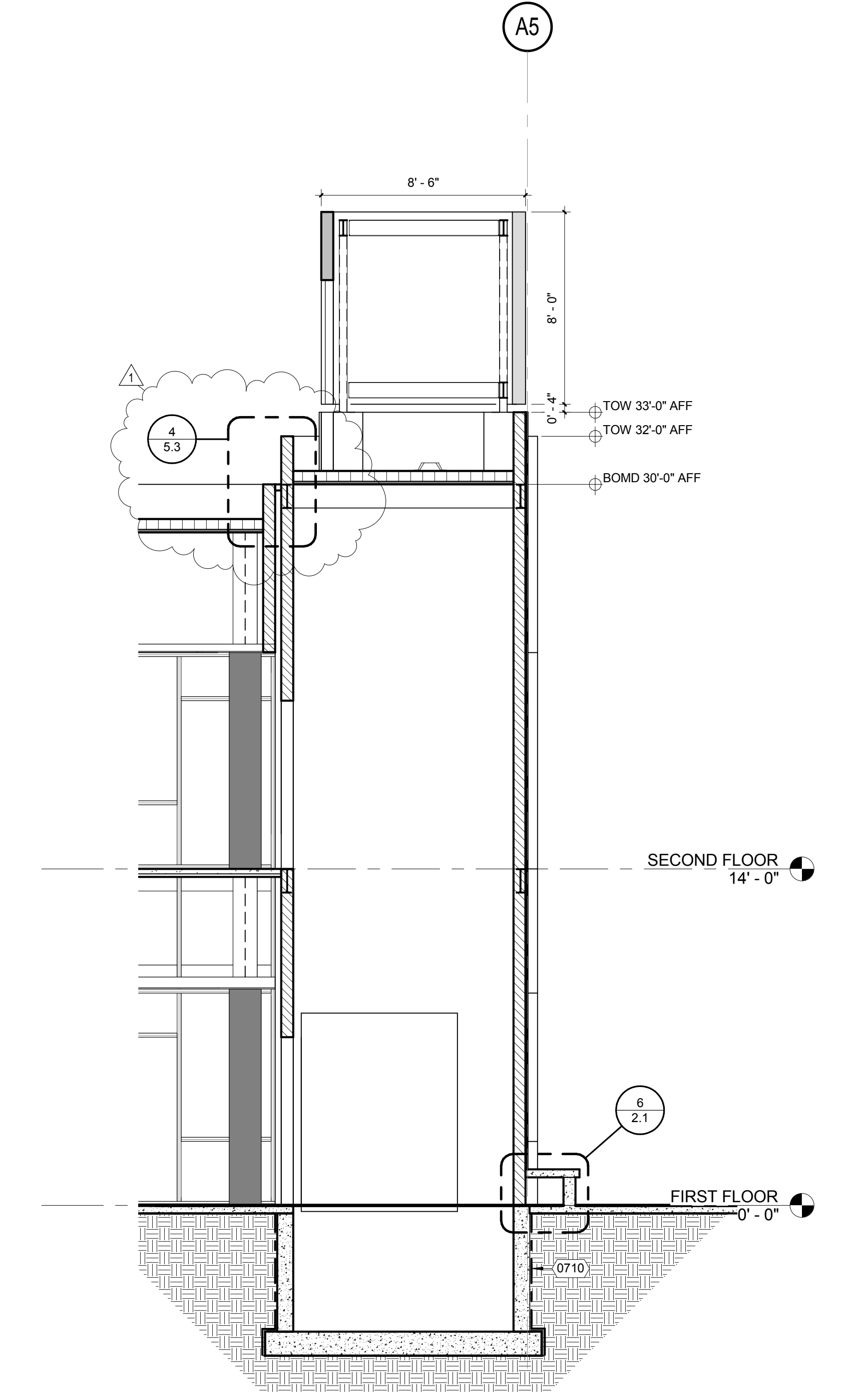
A-STAIR 10_SECTION 1
1/4" = 1'-0" (10)



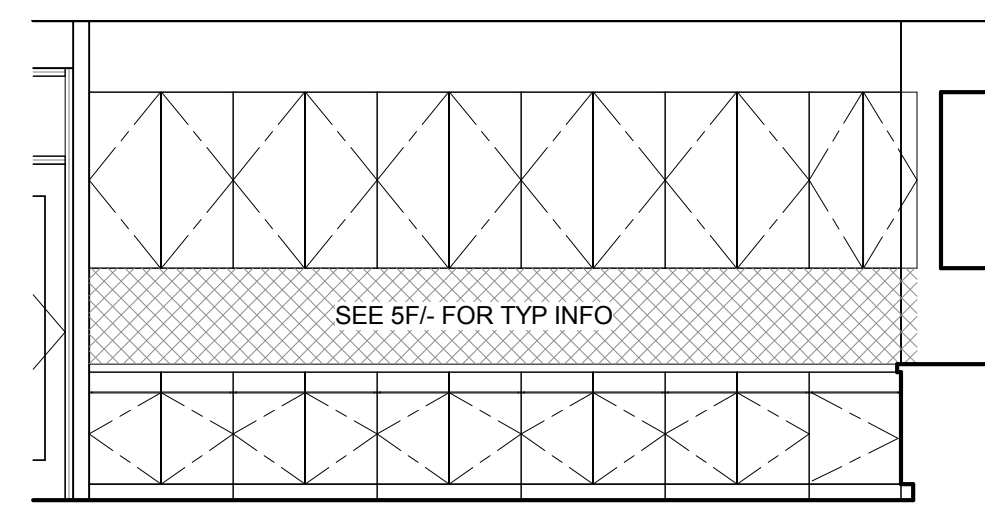
A-STAIR 20_SECTION 2
1/4" = 1'-0" (20)



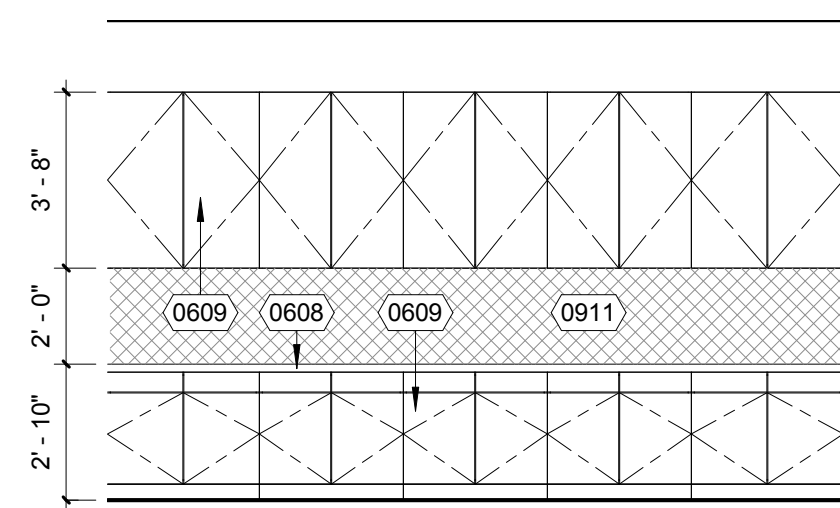
A-STAIR 10_SECTION 2
1/4" = 1'-0" (12)



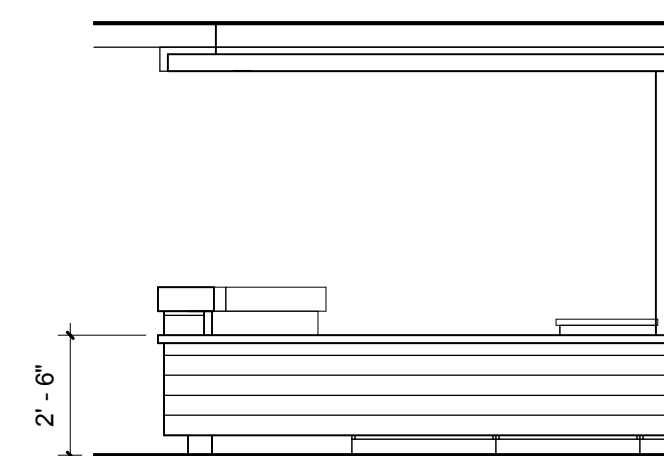
ADMINISTRATION / LIBRARY BUILDING A
ELEVATOR SECTION
1/4" = 1'-0" (4)



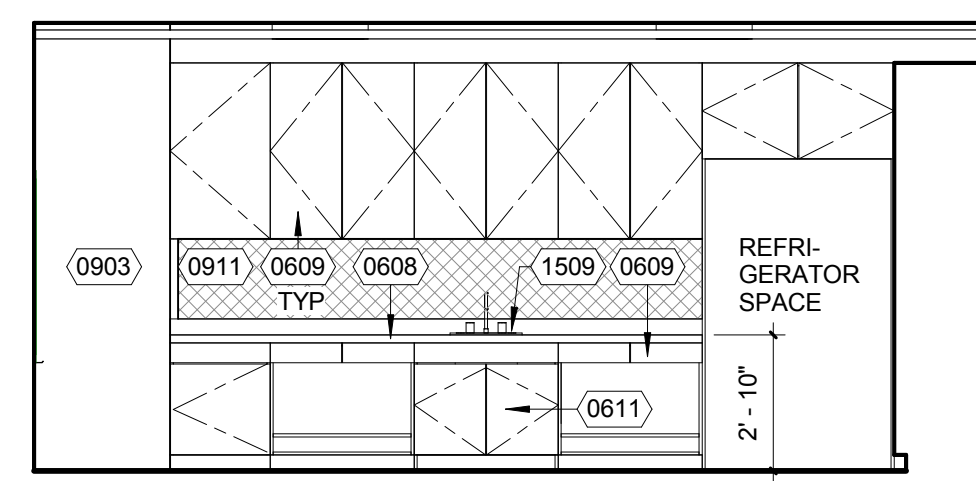
ELEVATION G
1/4" = 1'-0"



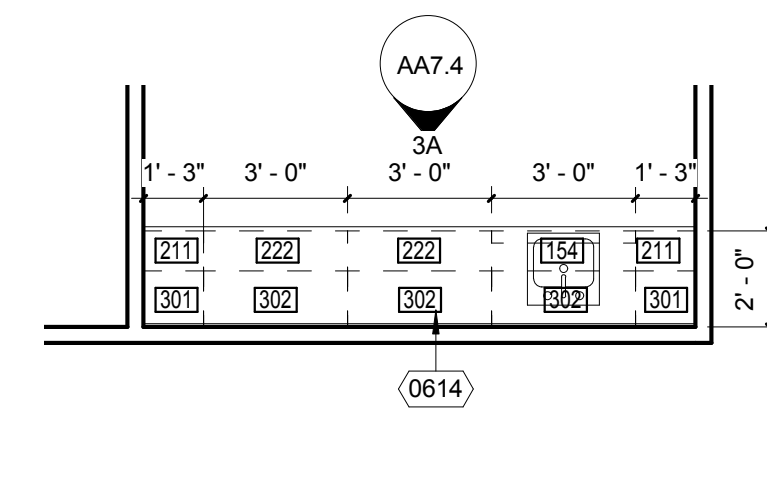
ELEVATION F
1/4" = 1'-0"



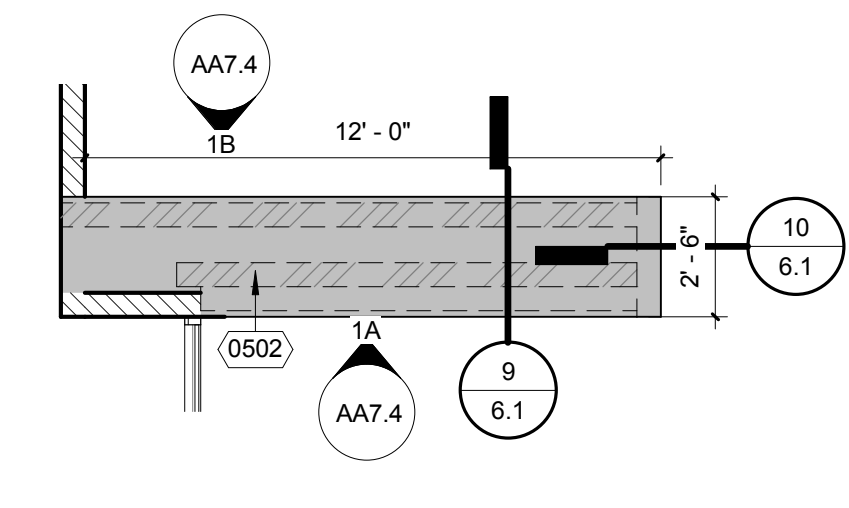
ELEVATION A
1/4" = 1'-0"



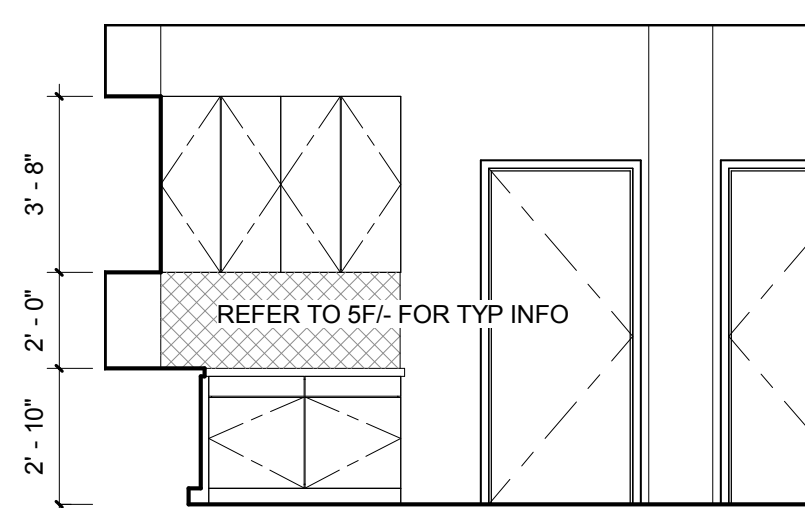
ELEVATION A
1/4" = 1'-0"



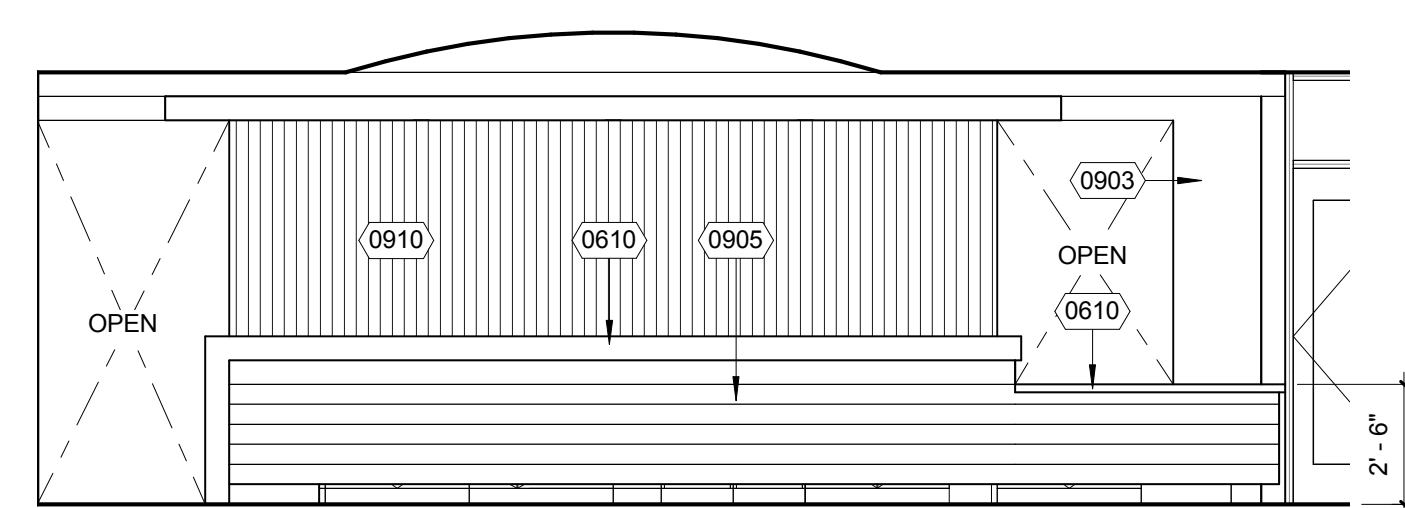
A111 - HEALTH
1/4" = 1'-0"



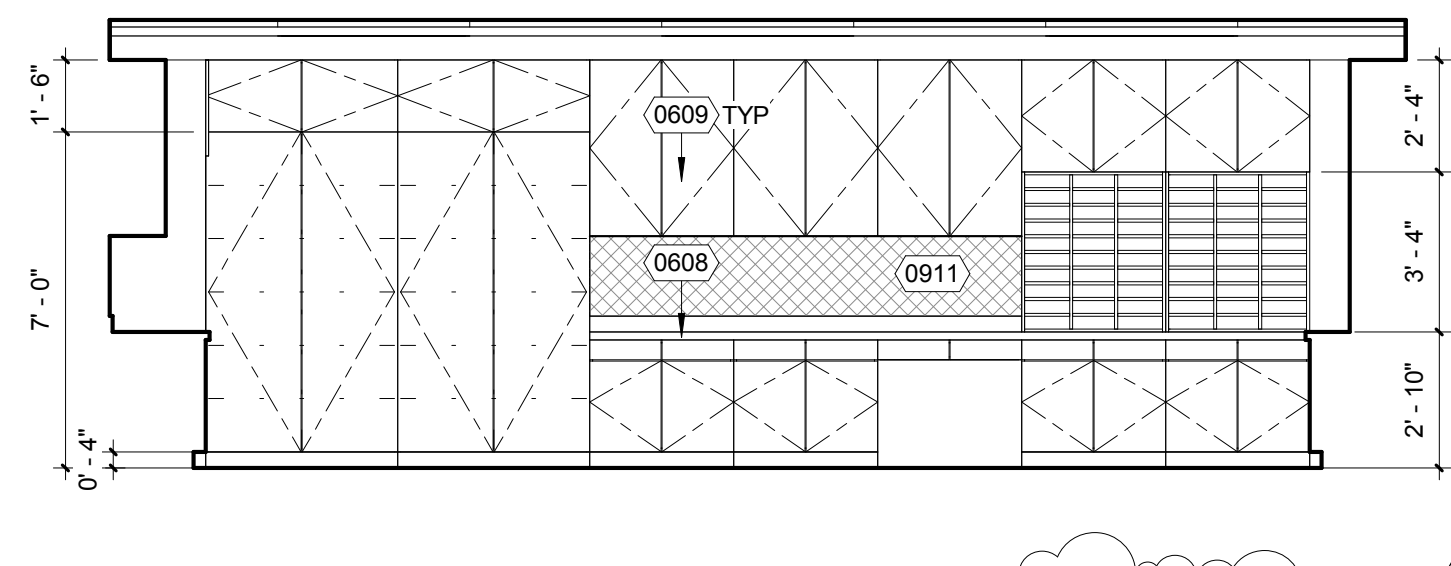
A152 - SECRETARY
1/4" = 1'-0"



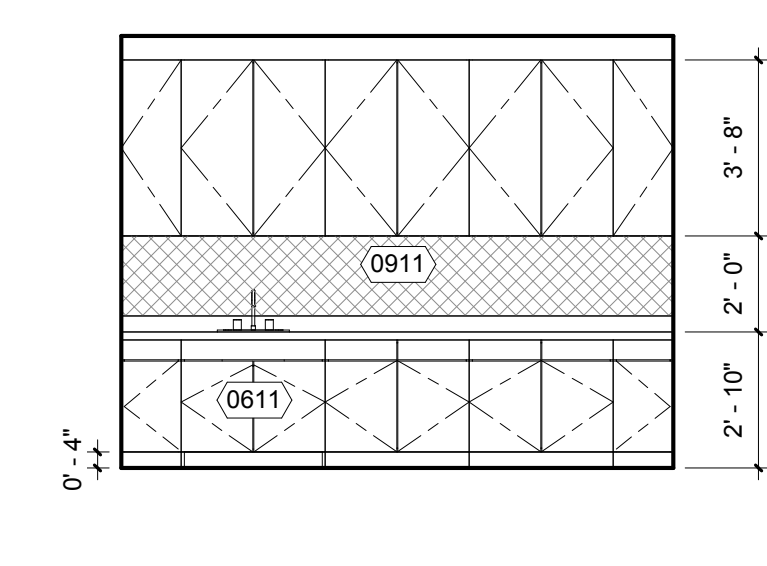
ELEVATION H
1/4" = 1'-0"



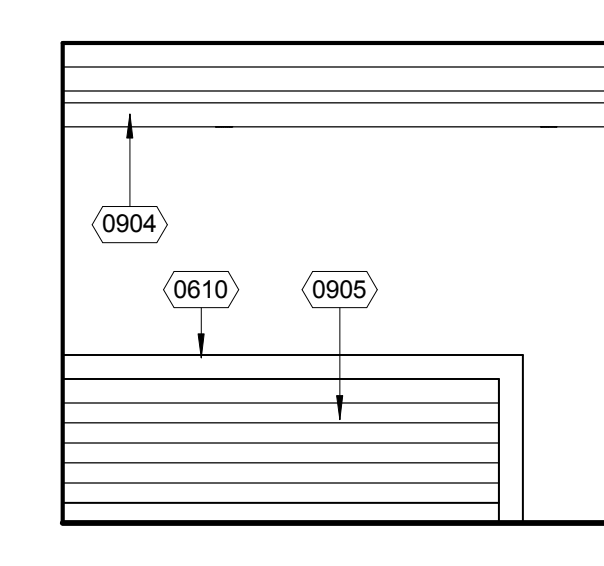
ELEVATION B
1/4" = 1'-0"



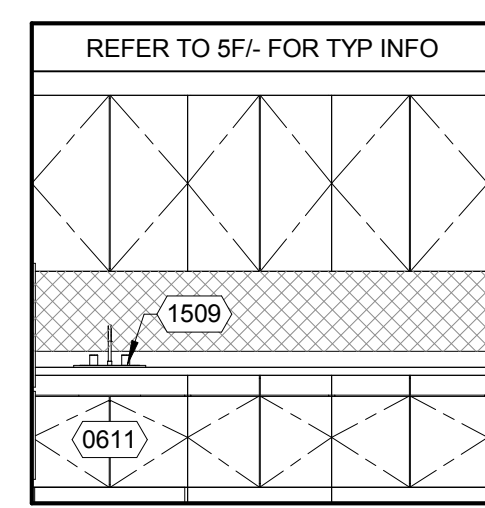
ELEVATION B
1/4" = 1'-0"



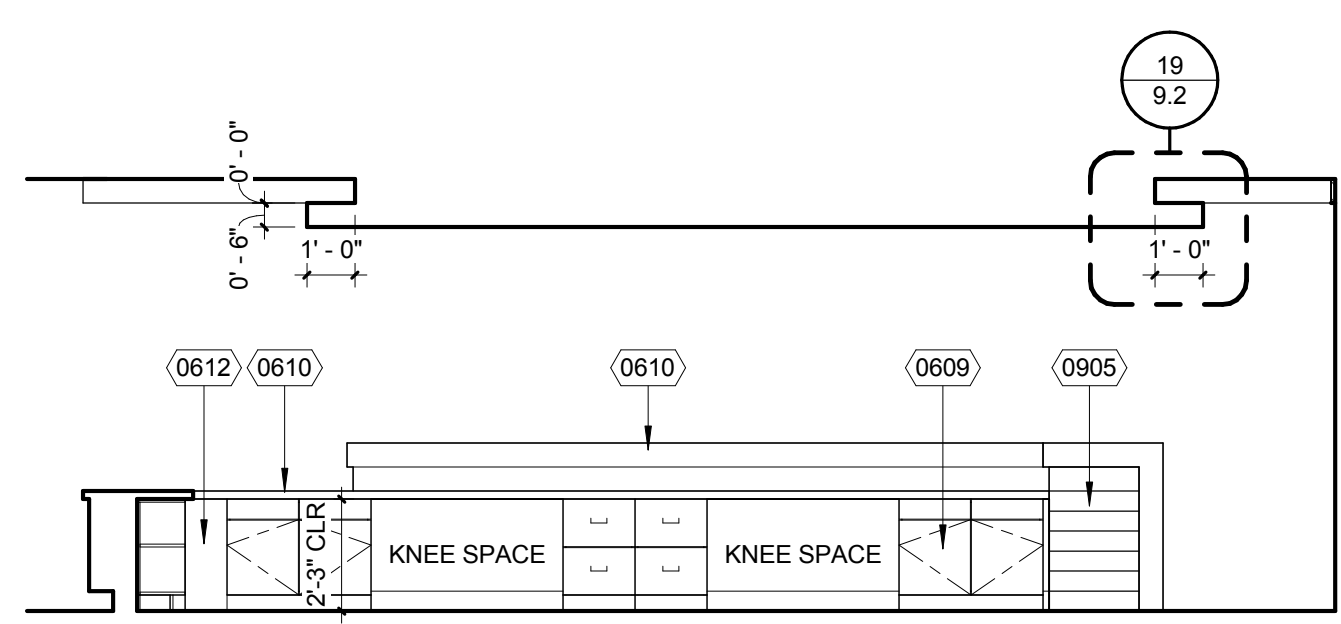
ELEVATION A
1/4" = 1'-0"



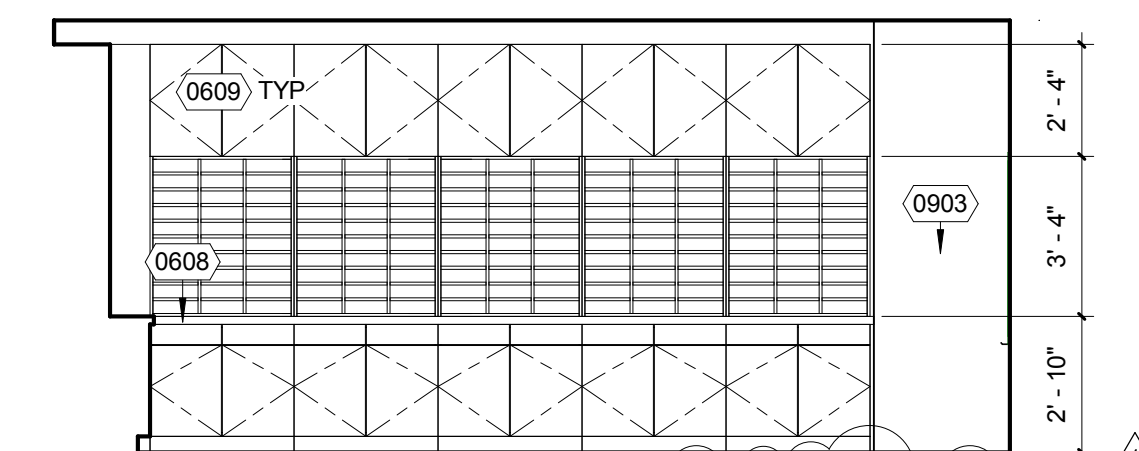
ELEVATION A
1/4" = 1'-0"



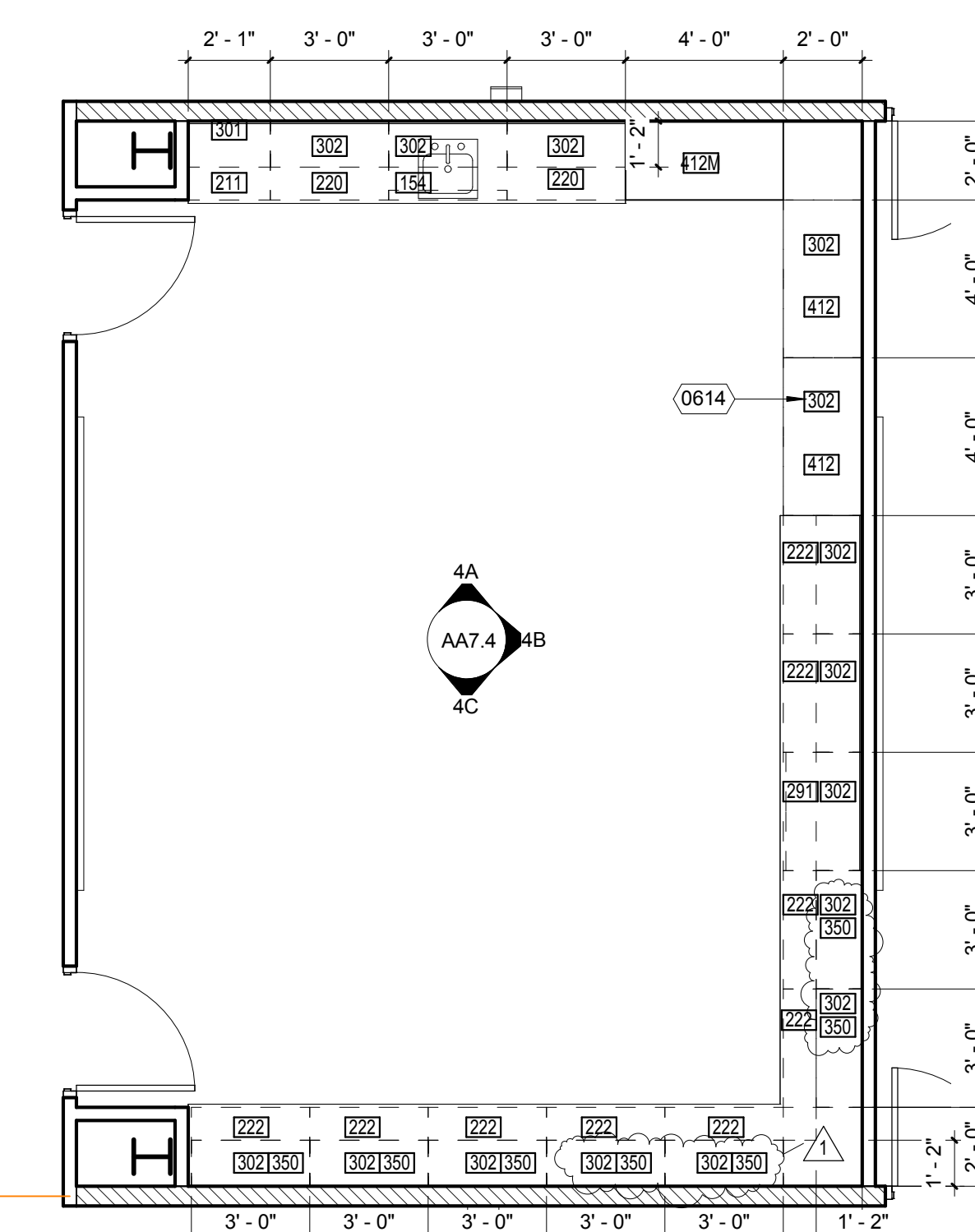
ELEVATION I
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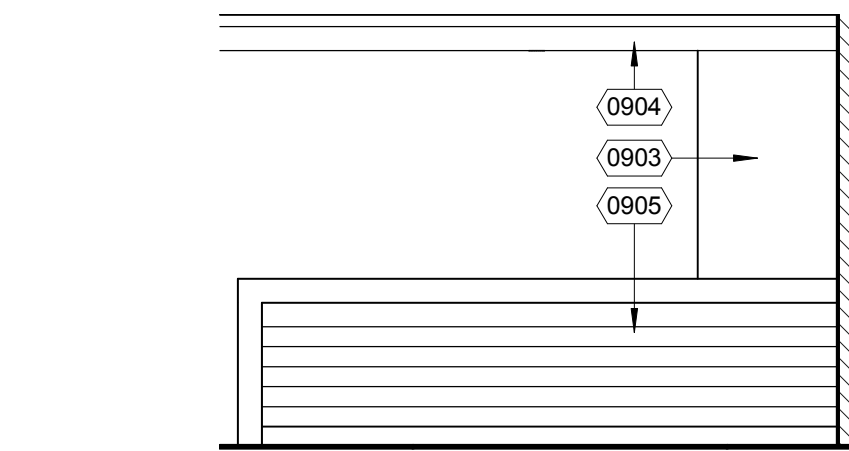
ELEVATION C
1/4" = 1'-0"



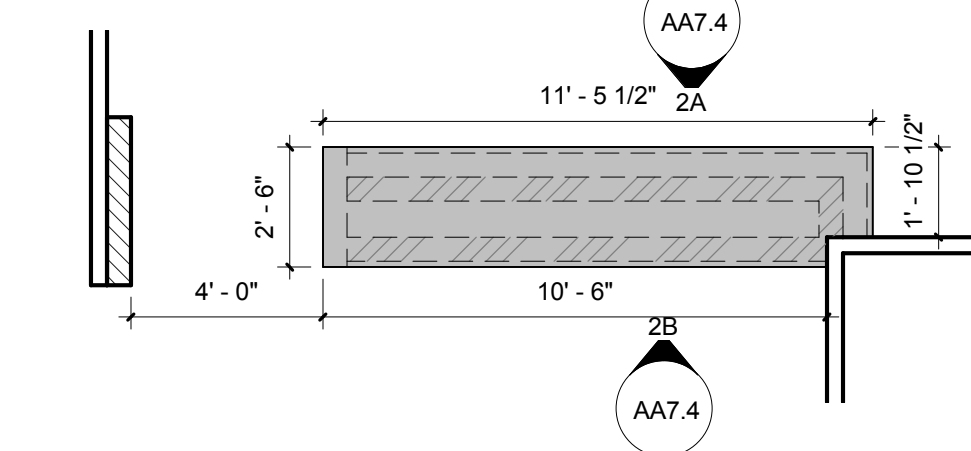
ELEVATION C
1/4" = 1'-0"



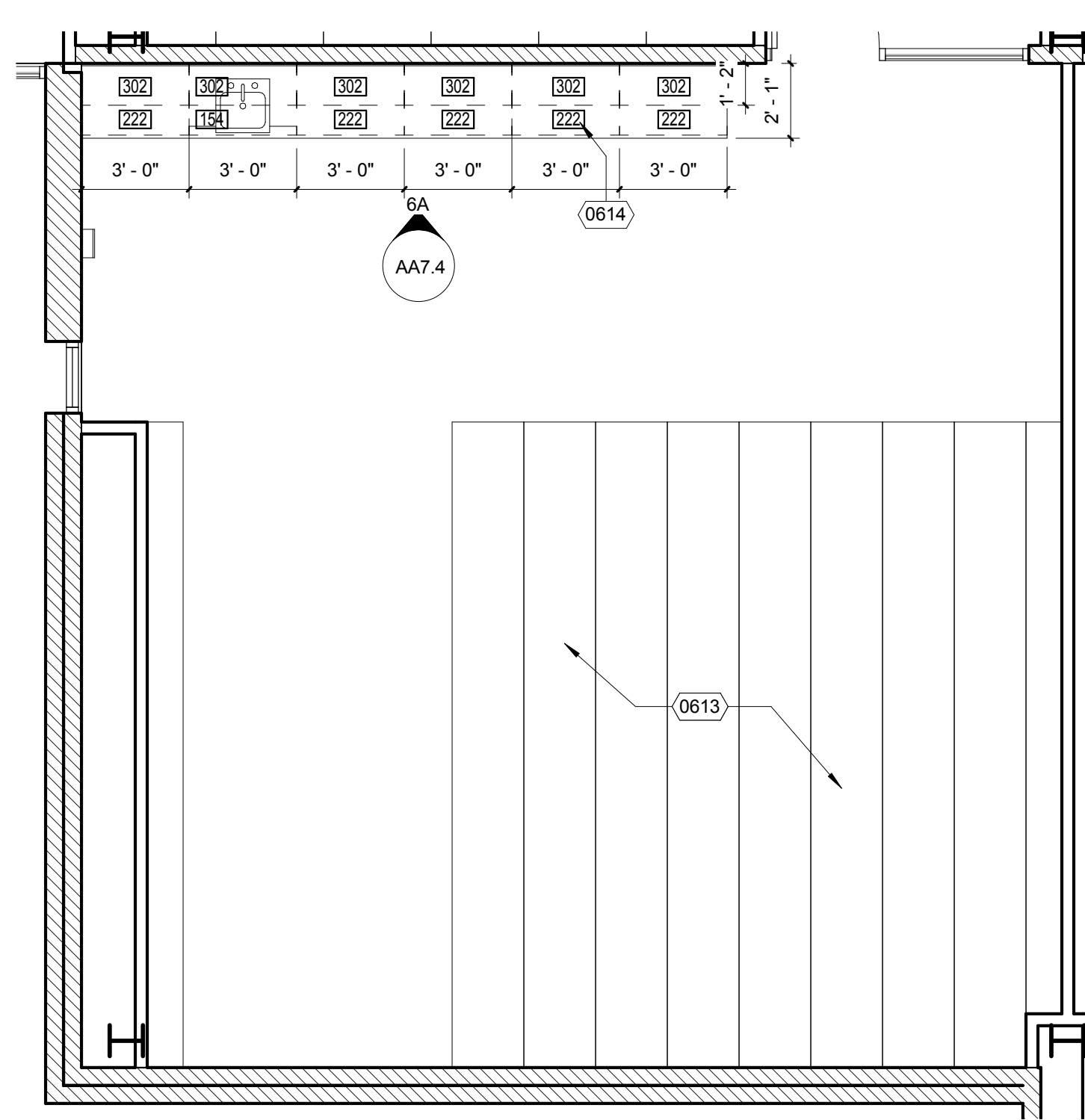
A116 - WORKROOM
1/4" = 1'-0"



ELEVATION B
1/4" = 1'-0"

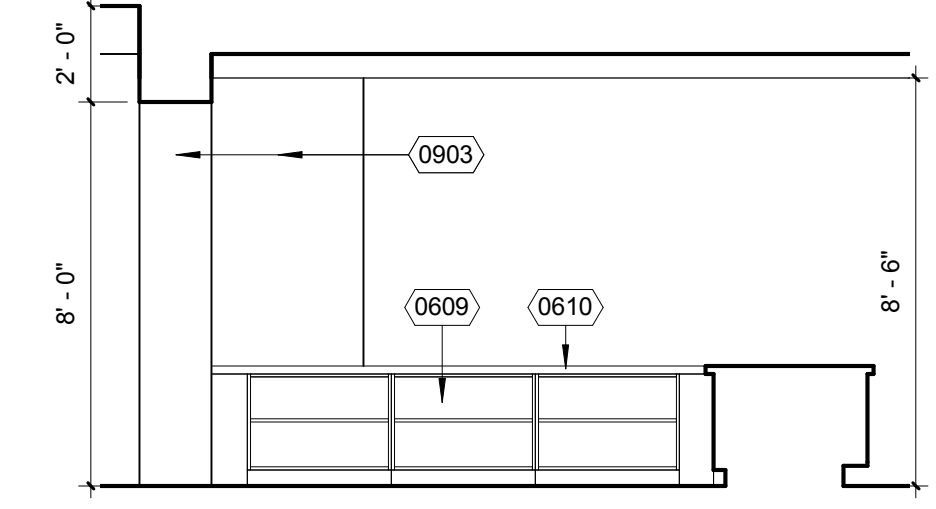


A134 - SECRETARY
1/4" = 1'-0"

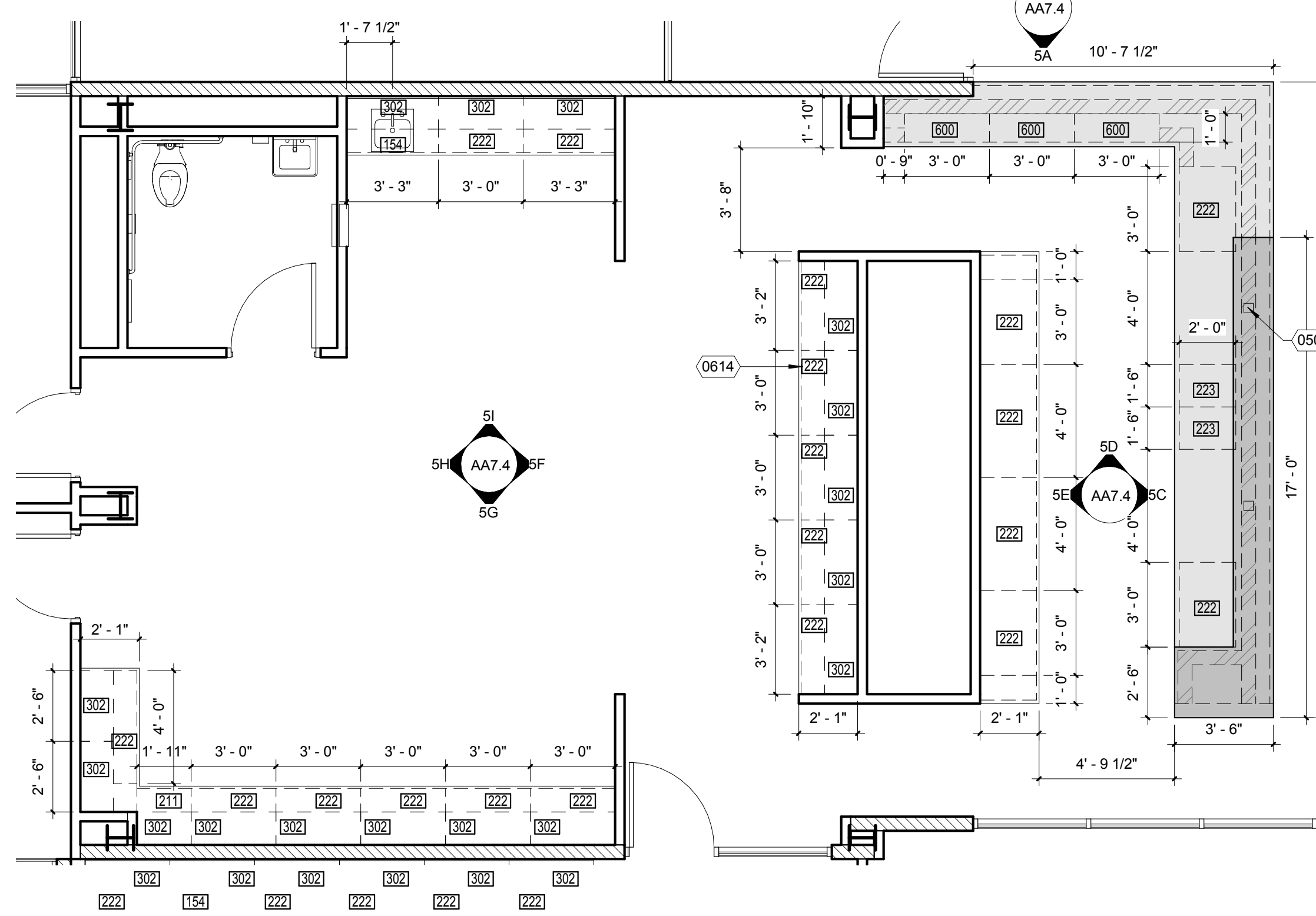


A209 - TEXTBOOK
1/4" = 1'-0"

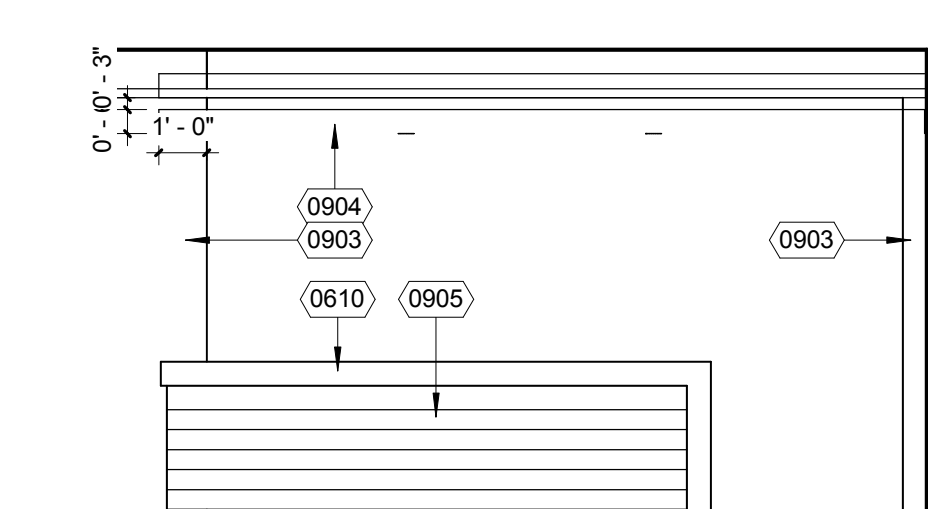
= KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
0502	4"x4" HSS POST PER STRUCTURAL DRAWING
0503	(N) 3/4" WIDE TUBE STEEL VEHICULAR SLIDING GATE, REF DETAIL 2/5.2
0608	PLASTIC LAMINATE COUNTER TOP WITH BACK SPLASH WHERE SHOWN
0609	PLASTIC LAMINATE CABINET
0610	SOLID SURFACING
0611	ACCESSIBLE SINK CABINET PER DETAIL 2/6.1
0612	PLASTIC LAMINATE FILLER PANEL
0613	ROLLING SHELVING SYSTEM, REF DETAIL 2/6.2
0614	WOODWORK INSTITUTE (WICABINET DESIGN SERIES
0801	STOREFRONT DOOR/FRAMES
0903	PAINTED GYPSUM BOARD OVER MTL STUD FRAMING
0904	PAINTED GYPSUM BOARD OVER MTL STUD SOFFIT FRAMING
0905	MARLITE PANELING SYSTEM - 3 COLOR VARIATION MAX PER DRAWING
0907	1/4" ALUM GYPSUM BD REVEAL
0910	WALL PAPER
0911	TACKABLE WALL BOARD, REF DETAIL 2/10.2
1509	COUNTERMOUNTED SINK PER PLUMBING DRAWING



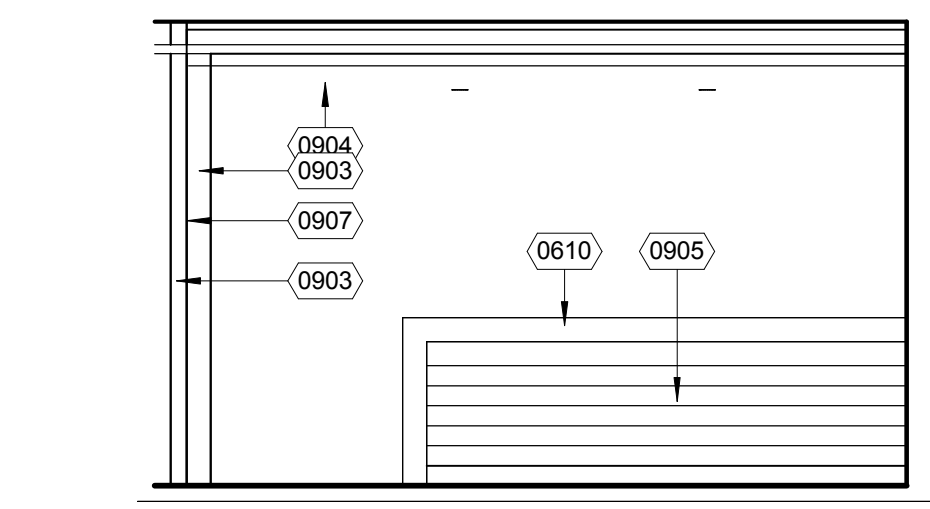
ELEVATION D
1/4" = 1'-0"



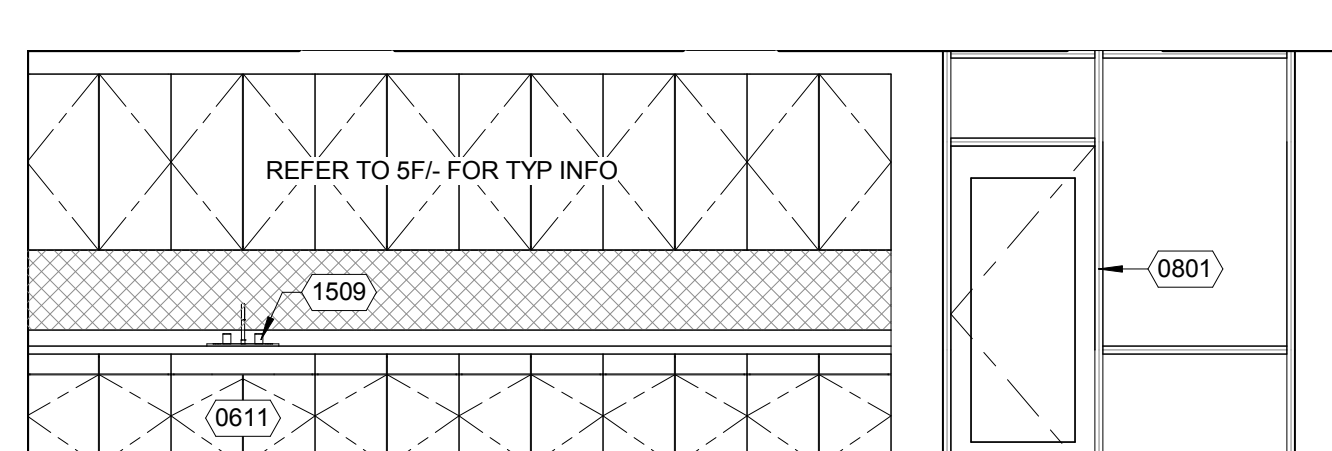
A210 - WORKROOM / CIRCULATION
1/4" = 1'-0"



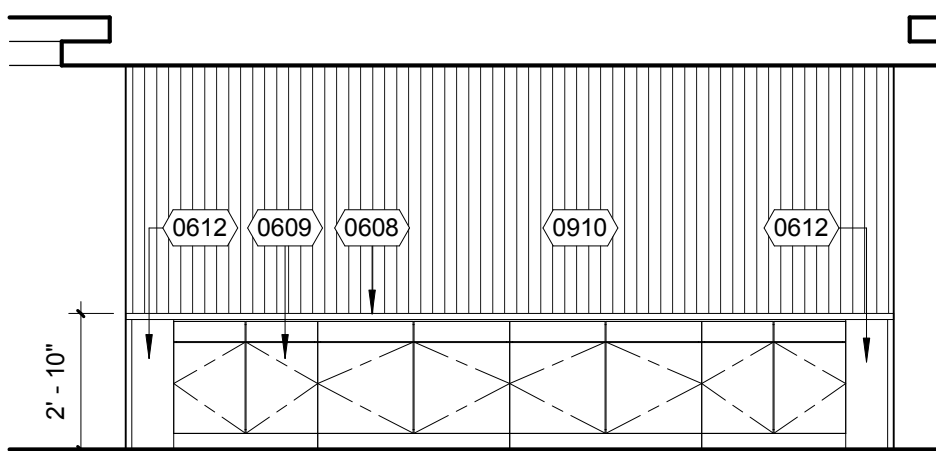
ELEVATION A
1/4" = 1'-0"



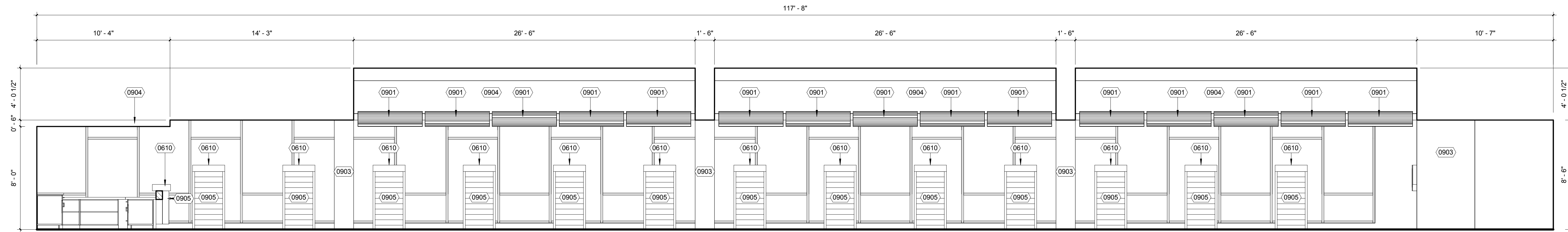
ELEVATION B
1/4" = 1'-0"



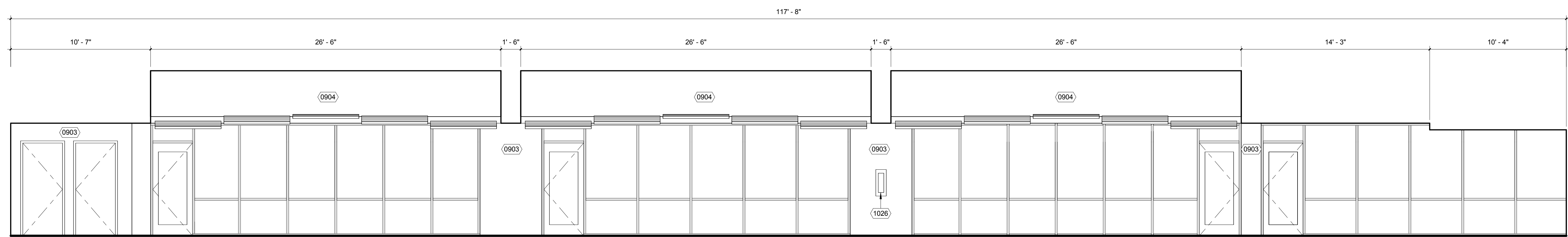
ELEVATION A
1/4" = 1'-0"



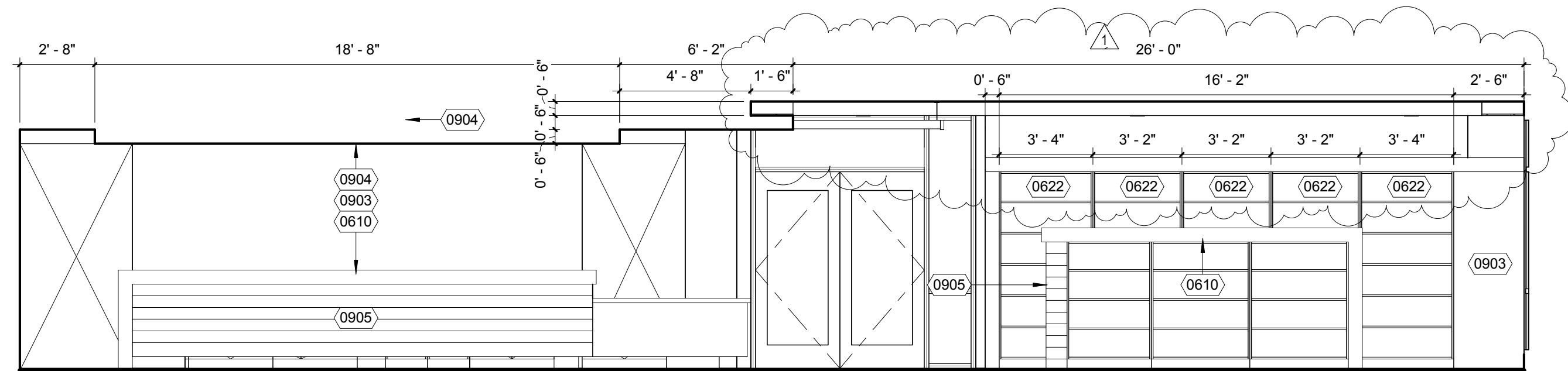
ELEVATION E
1/4" = 1'-0"



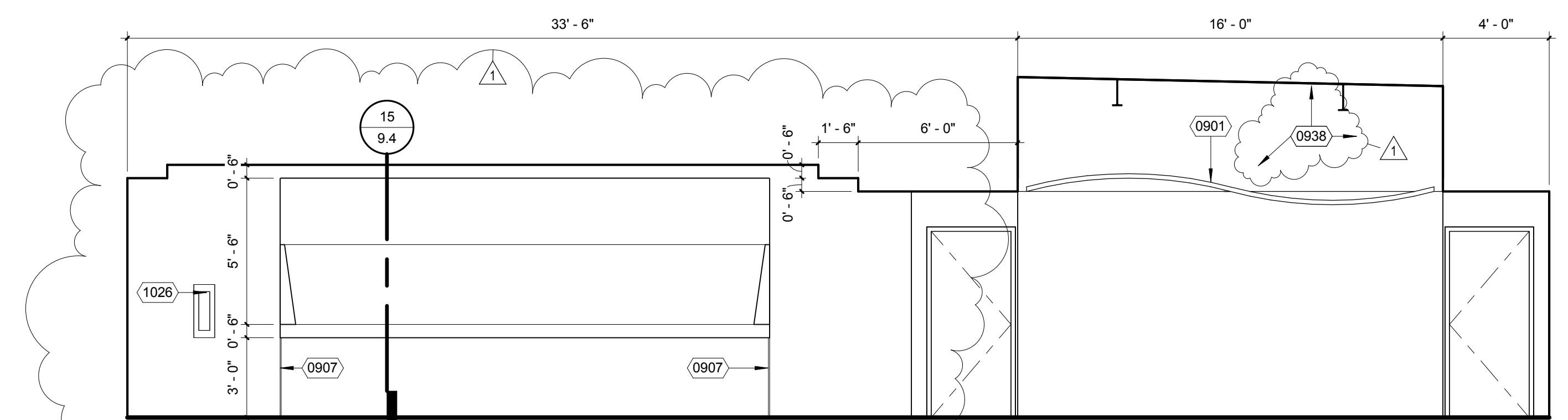
BOOK STACKS / READING ROOM - A201 / A202 - EAST 1
1/4" = 1'-0"



BOOK STACKS / READING ROOM - A201 / A202 - WEST 2
1/4" = 1'-0"

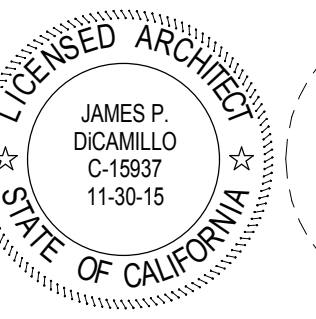


BOOK STACK / READING A201/A202- NORTH 15
1/4" = 1'-0"

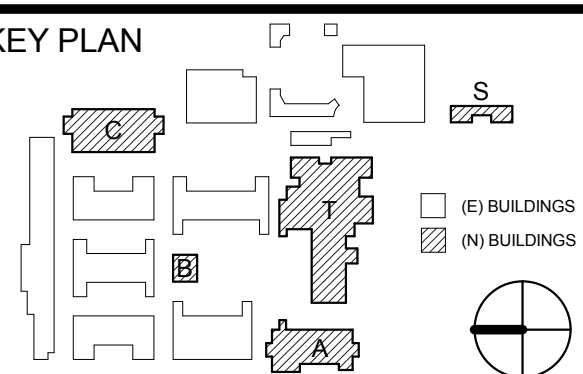
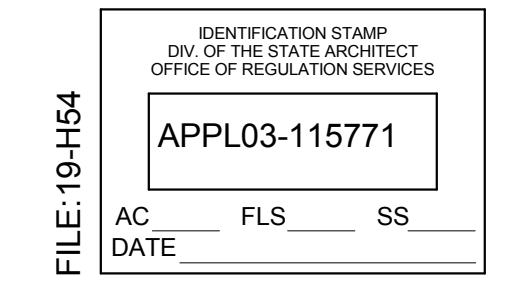


BOOK STACKS / READING ROOM - A201 / A202 - SOUTH 3
1/4" = 1'-0"

= KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
0610	SOLID SURFACING
0622	PLASTIC LAMINATE FULL HEIGHT X 12" DEEP SHELVING (WI 602)
0901	ACOUSTIC METAL CEILING, REF DETAIL 1/5.4
0903	PAINTED GYPSUM BOARD OVER MTL STUD FRAMING
0904	PAINTED GYPSUM BOARD OVER MTL STUD SOFFIT FRAMING
0905	MARLITE PANELING SYSTEM - 3 COLOR VARIATION MAX PER DRAWING
0907	1/4" ALUM GYPSUM BD REVEAL
0938	PAIN'T WALL, CEILING, AND EXPOSED CONDUITS, STRUCTURE AND DUCT ABOVE CEILING WITH DARK GREY OR COLOR AS SELECTED
1026	RECESSED FIRE EXTINGUISHER AND CABINET, REF DETAIL 23/10.2



CONSULTANT



REVISION SCHEDULE		
NO	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: 1/4" = 1'-0"
PROJECT NUMBER: 1310700

ADMIN / LIB BUILDING A
INTERIOR ELEVATIONS

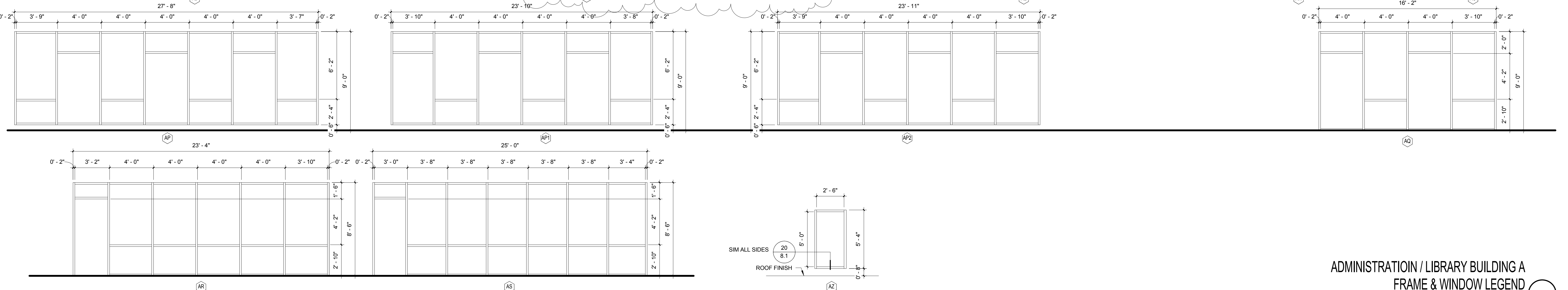
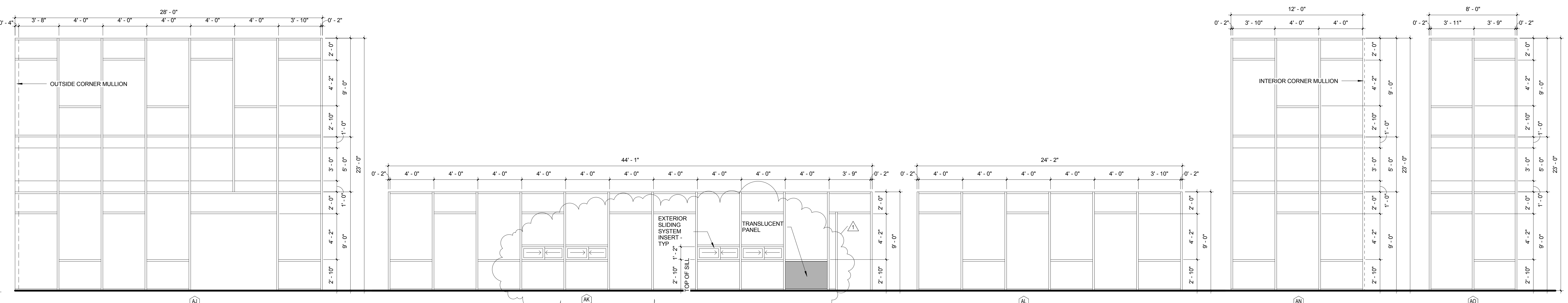
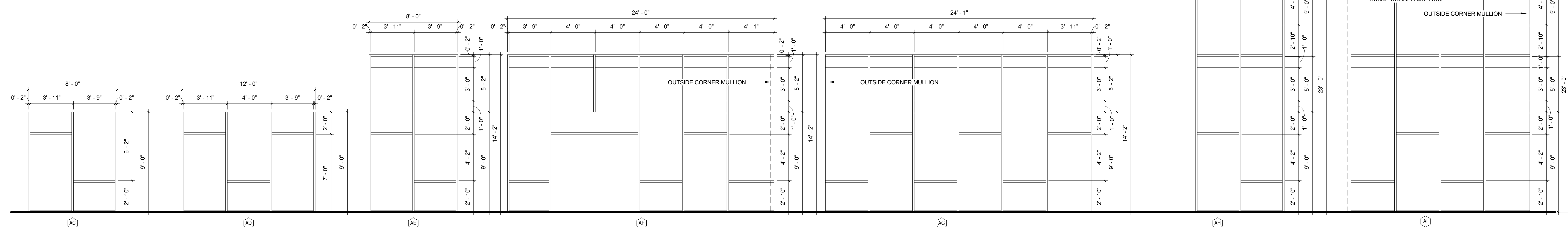
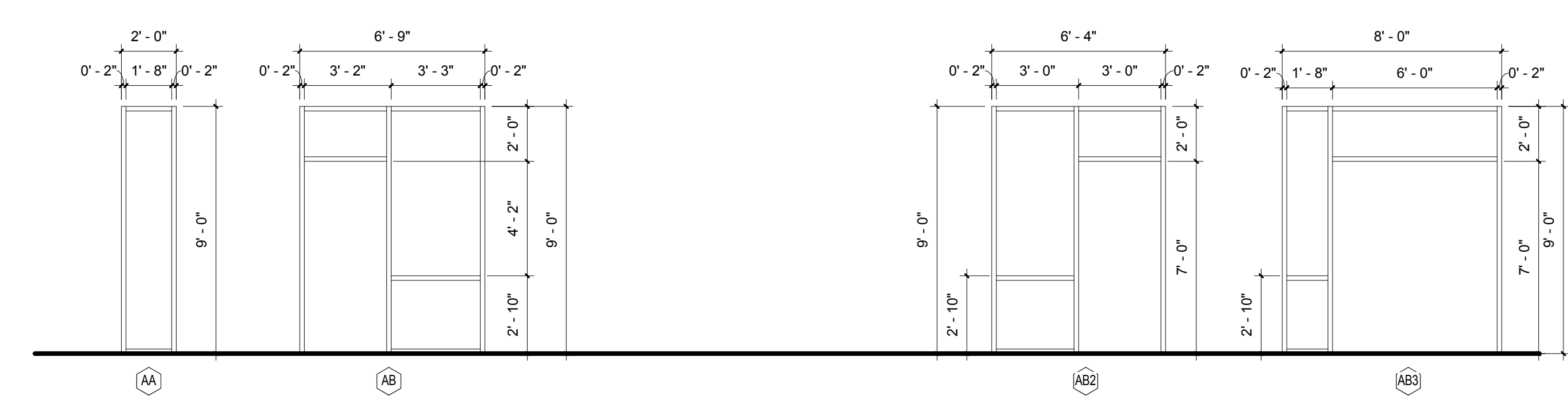
DRAWING NUMBER: **AA7.6**

DOOR / JAMB MATERIAL & FINISH

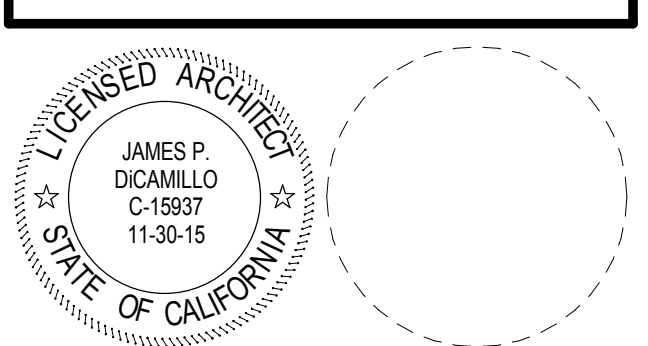
- HM → HOLLOW METAL
- WD → WOOD
- AL → ALUMINUM
- STL → STEEL
- P → PAINT OR STAIN
- AN → ANODIZED

ALUMINUM STOREFRONT GLAZING NOTES:

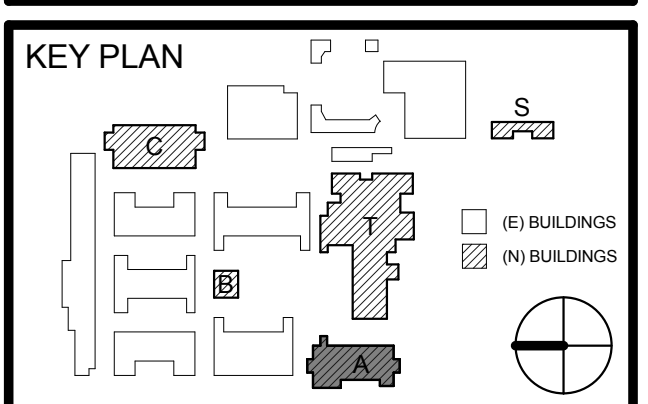
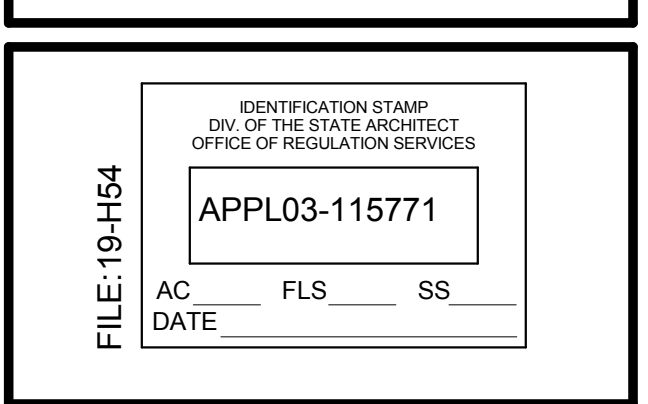
1. REFER TO DETAILS 2 AND 4/8.1 FOR VARIOUS MULLION / JAMB / HEAD CONDITIONS
2. ALL EXTERIOR GLAZING SHALL BE SEALED INSULATING GLASS UNIT. PROVIDE 2 ALTERNATING COLORS AND 2 COLOR TRANSLUCENT GLAZING AS SHOWN IN THE ELEVATION LEGEND
3. ALL INTERIOR GLAZING SHALL BE TEMPERED GLAZING OR FIRE RESISTIVE GLAZING WHERE OCCURS IN RATED WALL OR PER SECTION 08 41 23 WHERE CALLED FOR
4. FOR STOREFRONT WITH HEIGHT OF 10'-0" OR MORE, REFER TO CW SERIES DRAWING FOR MORE INFORMATION



ADMINISTRATION / LIBRARY BUILDING A
FRAME & WINDOW LEGEND
1/4" = 1'-0"



CONSULTANT

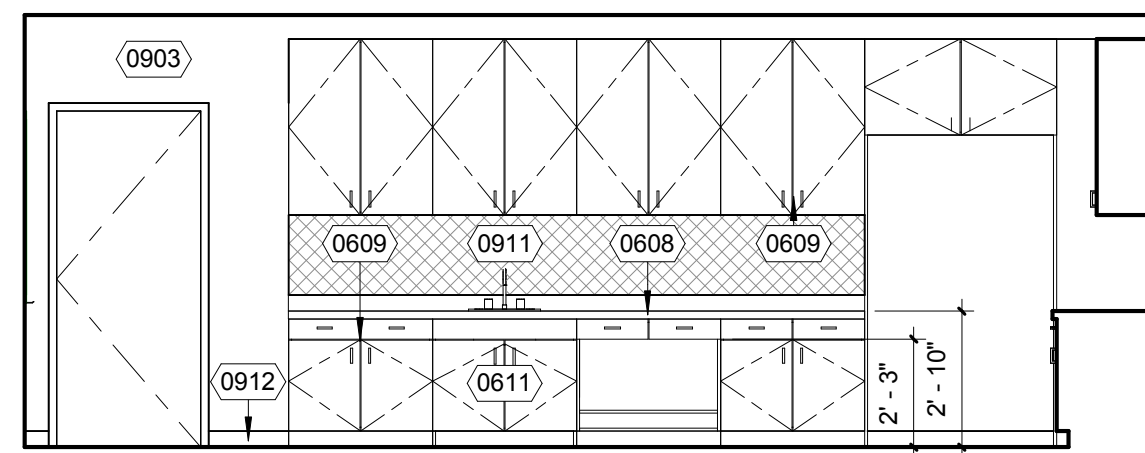


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

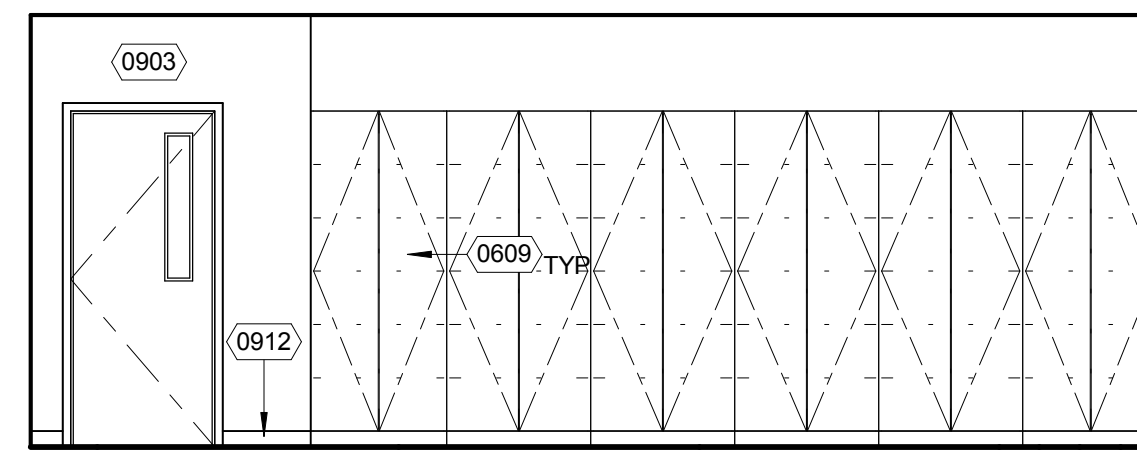
DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: As indicated
PROJECT NUMBER: 1310700

ADMIN / LIB BUILDING A
FRAME & WINDOW
LEGEND

DRAWING NUMBER: **AA8.2**

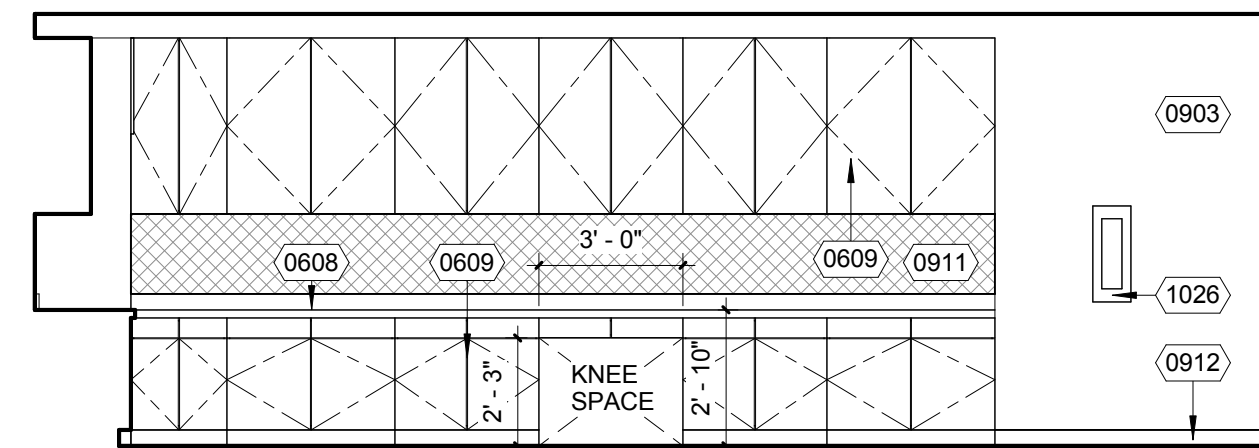


C129 WORKROOM EAST 17
1/4" = 1'-0"

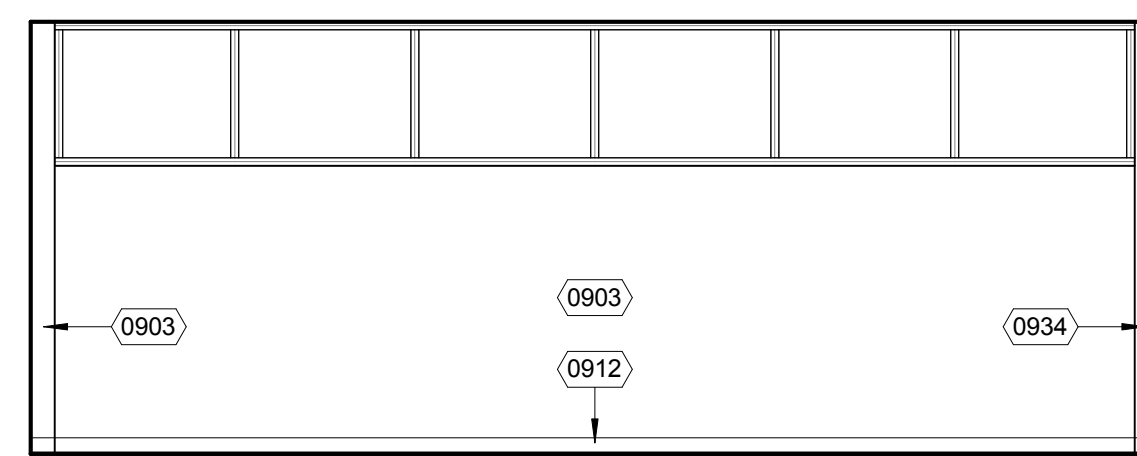


TYP CLASSROOM ELEV 1 - FIRST FLOOR 9
1/4" = 1'-0"

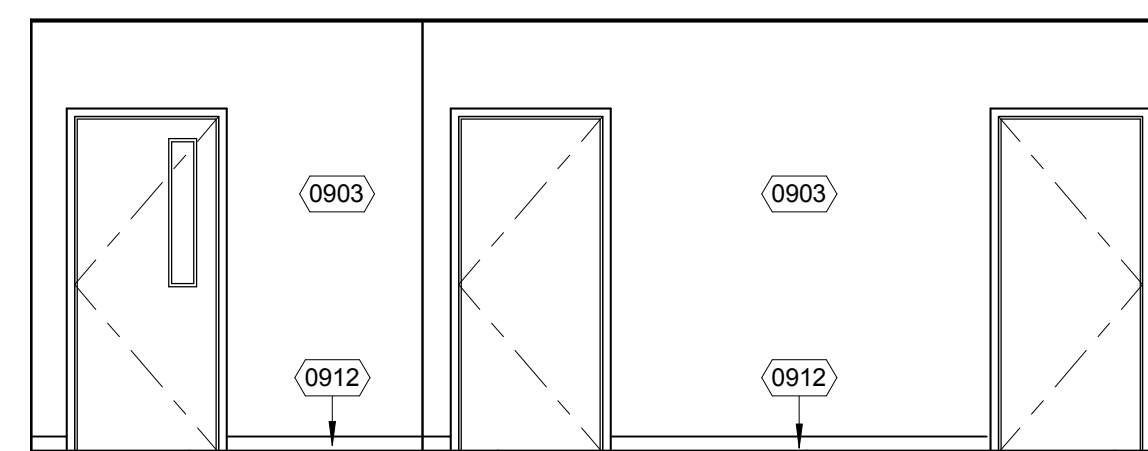
= KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
0608	PLASTIC LAMINATE COUNTER TOP WITH BACK SPLASH WHERE SHOWN
0609	PLASTIC LAMINATE CABINET
0611	ACCESSIBLE SINK CABINET PER DETAIL 2/6.1
0903	PAINTED GYPSUM BOARD OVER MTL STUD FRAMING
0911	TACKABLE WALL BOARD, REF DETAIL 21/10.2
0912	RESILIENT BASE
0934	SOUND ABSORBING WALL PANELING
1026	RECESSED FIRE EXTINGUISHER AND CABINET, REF DETAIL 23/10.2
1031	4X12" MARKER BOARD, REF DETAIL 22/10.2
1104	INTERACTIVE AND DRY ERASE COMBINATION BOARDS. PROVIDE BACKING AND OTHER SYSTEM REQUIREMENTS PER SPECIFICATION AND ATTACHED DIAGRAM.
1105	WALL MOUNT PROJECTOR. PROVIDE BACKING AND OTHER SYSTEM REQUIREMENTS PER SPECIFICATION AND ATTACHED DIAGRAM.
1106	PROVIDE INTEGRATED AUDIO-VIDEO SYSTEM AND EQUIPMENT IN EACH CLASSROOM PER SPECIFICATION.



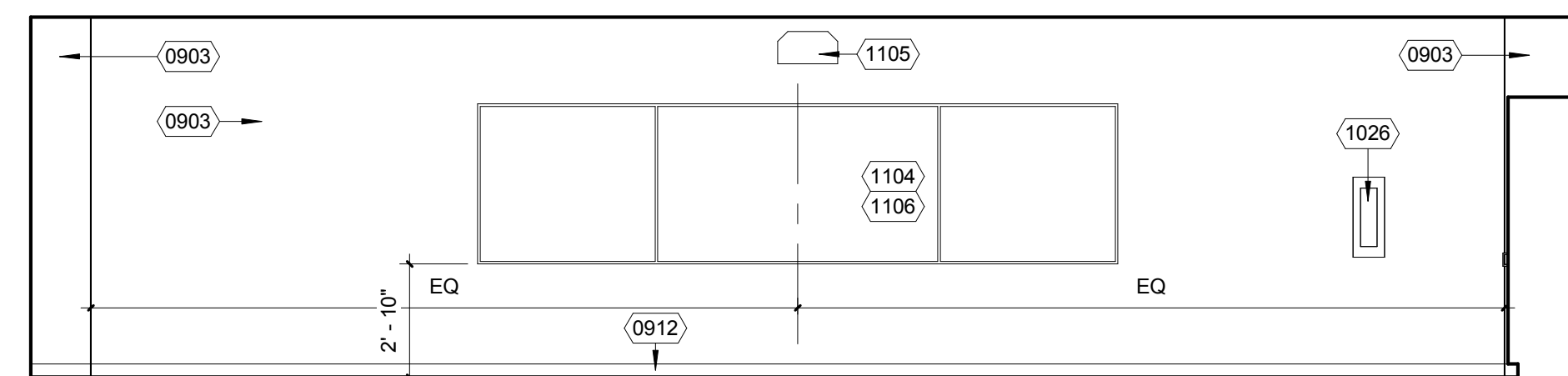
C129 WORKROOM SOUTH 18
1/4" = 1'-0"



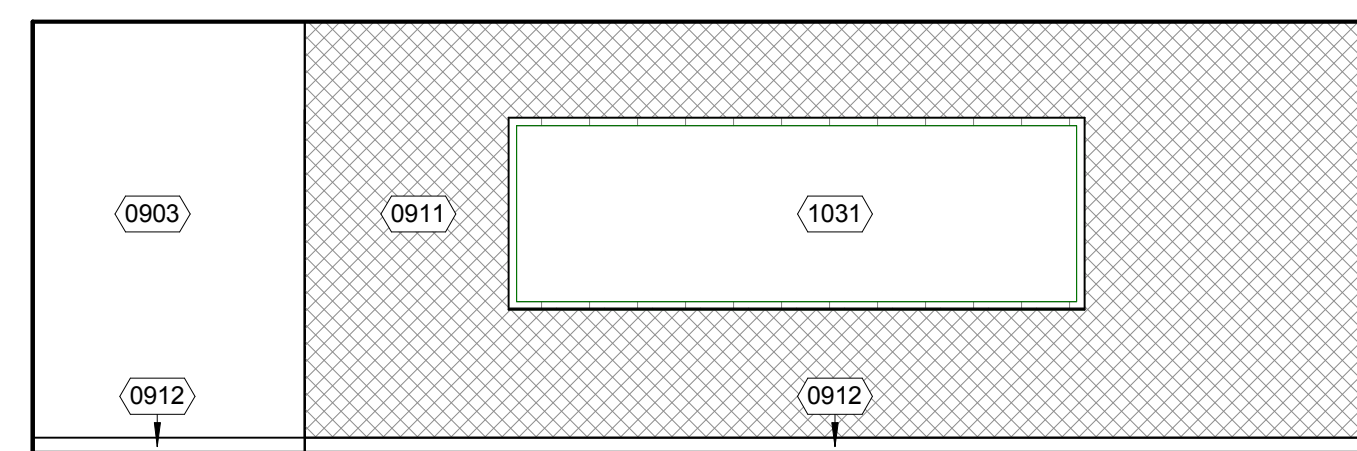
TYP CLASSROOM ELEV 2 - FIRST FLOOR 10
1/4" = 1'-0"



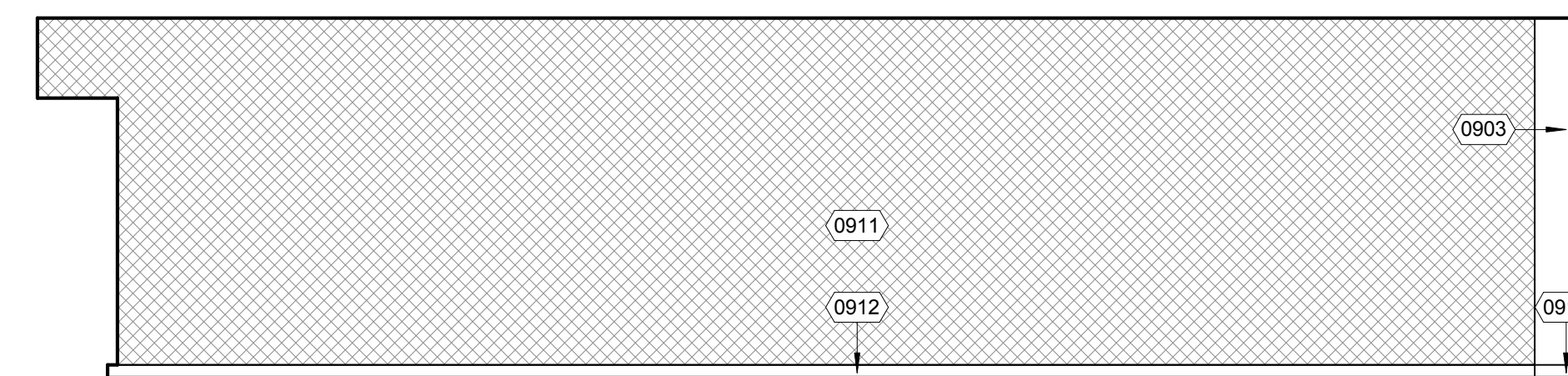
C129 WORKROOM WEST 19
1/4" = 1'-0"



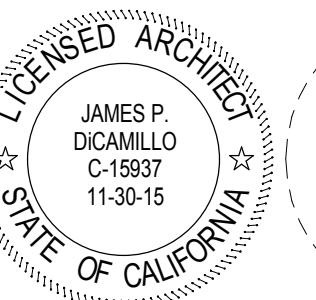
TYP CLASSROOM ELEV 3 - FIRST FLOOR 11
1/4" = 1'-0"



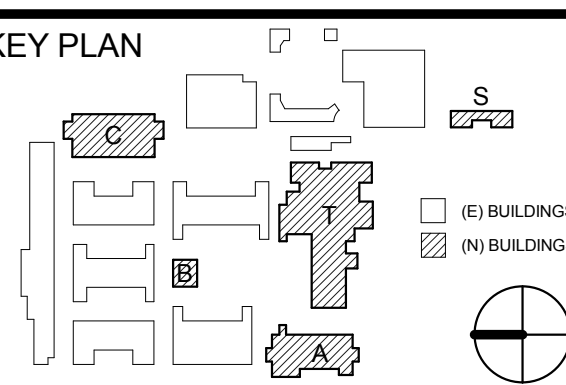
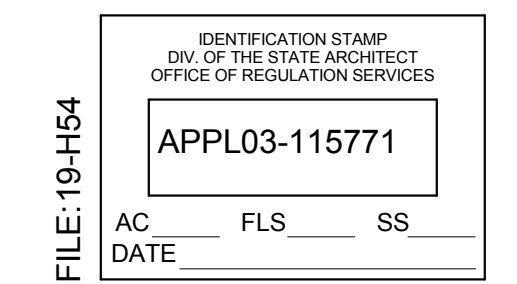
C129 WORKROOM NORTH 20
1/4" = 1'-0"



TYP CLASSROOM ELEV 4 - FIRST FLOOR 12
1/4" = 1'-0"



CONSULTANT

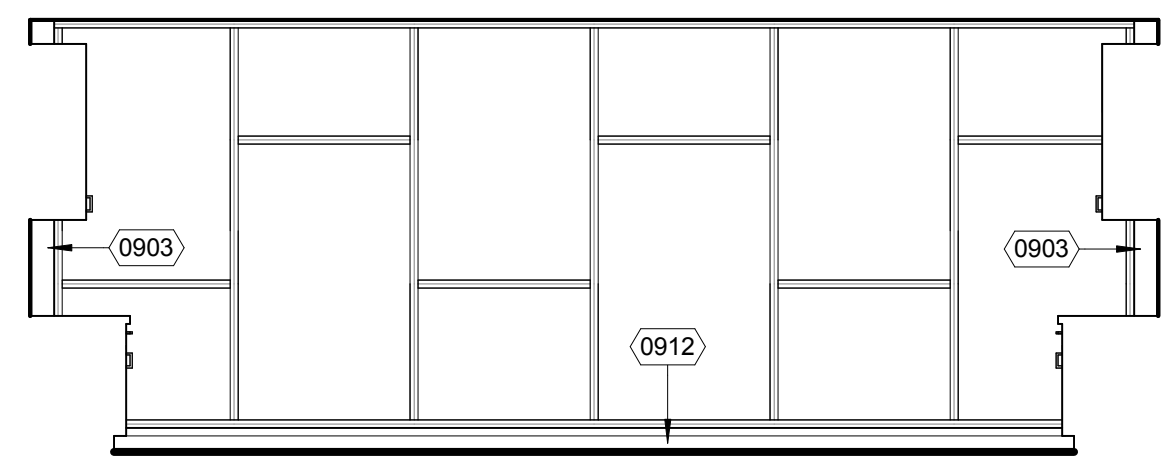


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

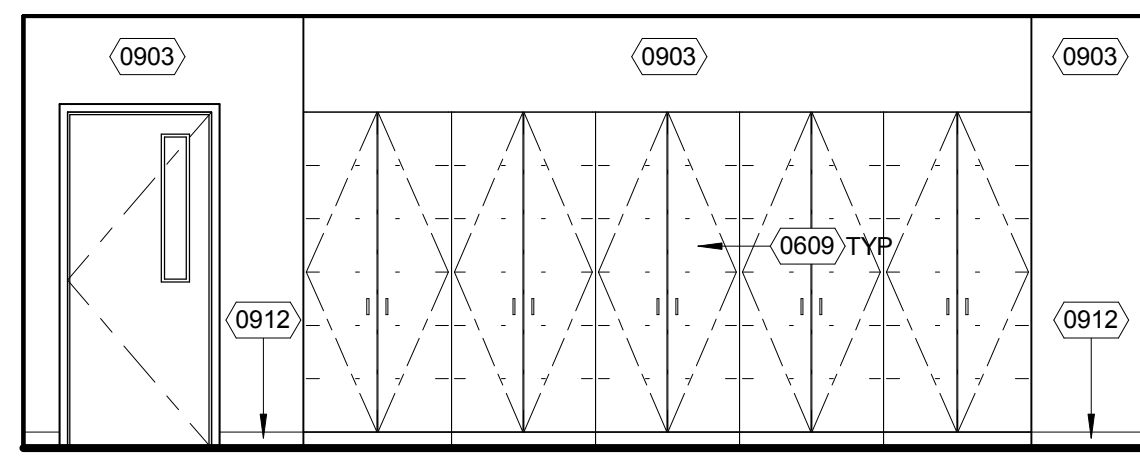
DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: 1/4" = 1'-0"
PROJECT NUMBER: 1310700

CLASSRM BUILDING C
INTERIOR ELEVATIONS

DRAWING NUMBER: **AC7.3**

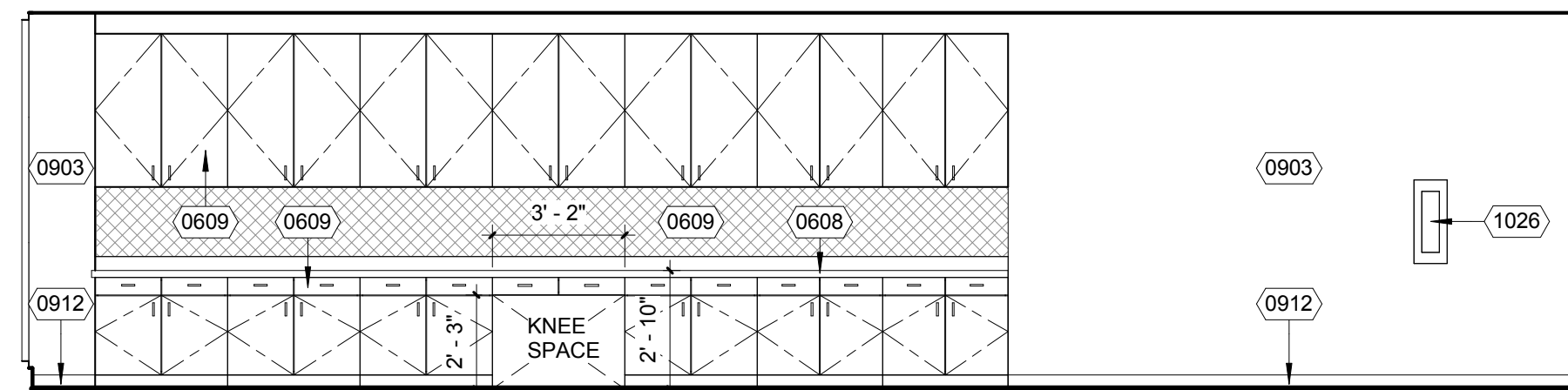


C229 WORKROOM EAST 17
1/4" = 1'-0"

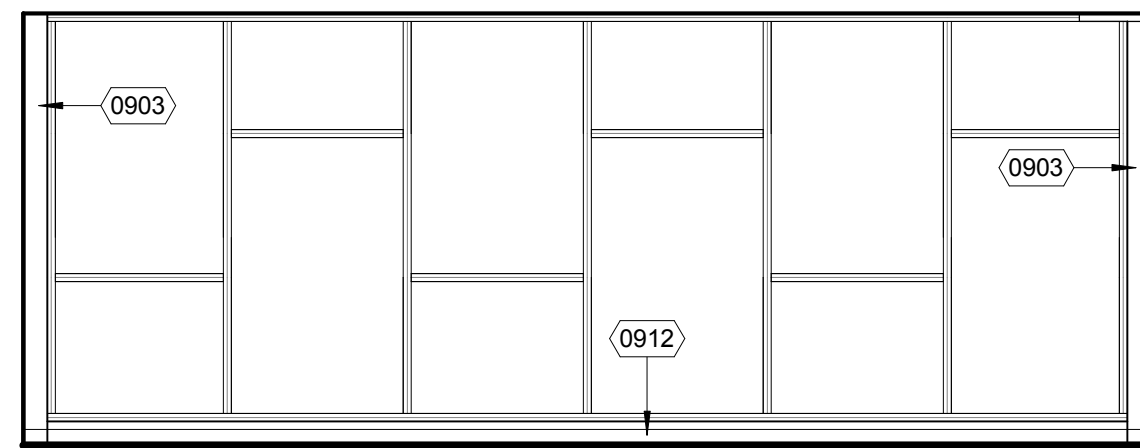


TYP CLASSROOM ELEV 1 - SECOND FLOOR 9
1/4" = 1'-0"

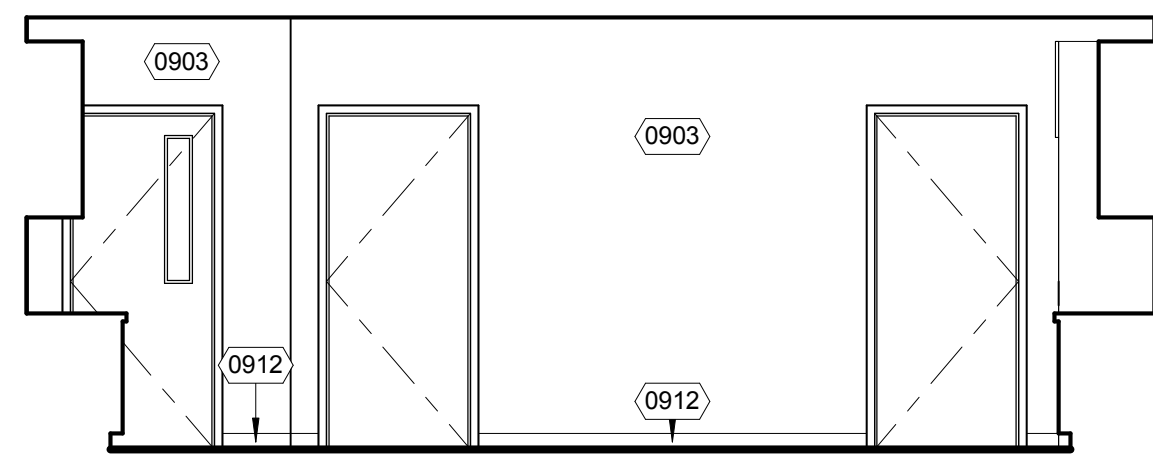
= KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
0608	PLASTIC LAMINATE COUNTER TOP WITH BACK SPLASH WHERE SHOWN
0609	PLASTIC LAMINATE CABINET
0611	ACCESSIBLE SINK CABINET PER DETAIL 2/6.1
0903	PAINTED GYPSUM BOARD OVER MTL STUD FRAMING
0912	RESILIENT BASE
0934	SOUND ABSORBING WALL PANELING
1026	RECESSED FIRE EXTINGUISHER AND CABINET, REF DETAIL 23/10.2
1104	INTERACTIVE AND DRY ERASE COMBINATION BOARDS, PROVIDE BACKING AND OTHER SYSTEM REQUIREMENTS PER SPECIFICATION AND ATTACHED DIAGRAM.
1105	WALL MOUNT PROJECTOR, PROVIDE BACKING AND OTHER SYSTEM REQUIREMENTS PER SPECIFICATION AND ATTACHED DIAGRAM.
1106	PROVIDE INTEGRATED AUDIO-VIDEO SYSTEM AND EQUIPMENT IN EACH CLASSROOM PER SPECIFICATION.



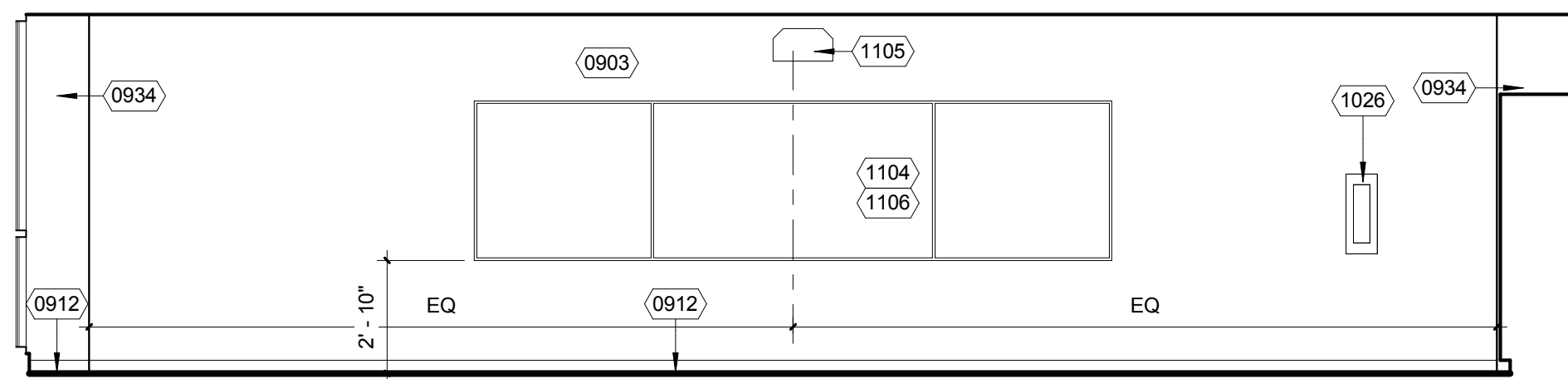
C229 WORKROOM SOUTH 18
1/4" = 1'-0"



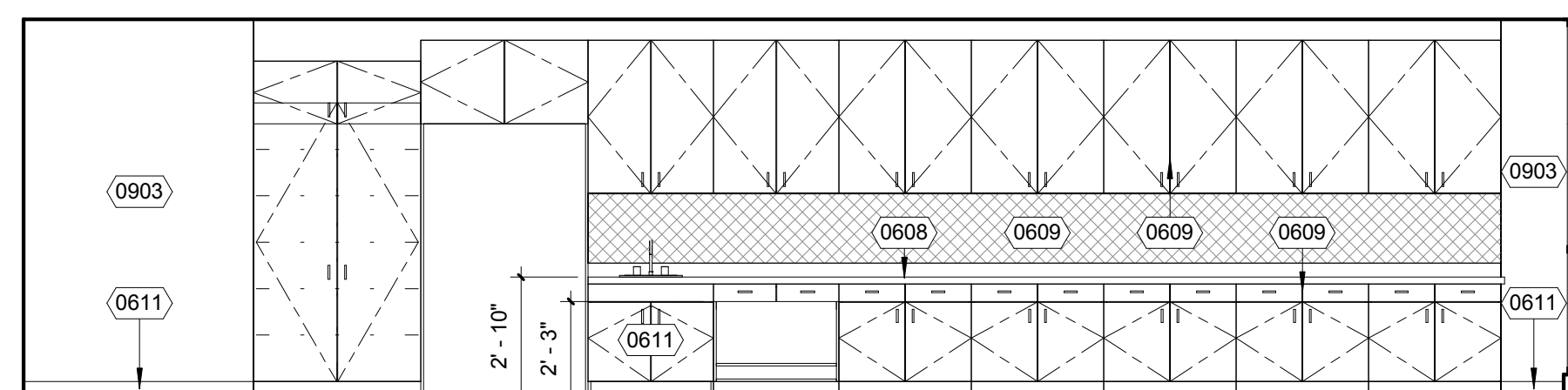
TYP CLASSROOM ELEV 2 - SECOND FLOOR 10
1/4" = 1'-0"



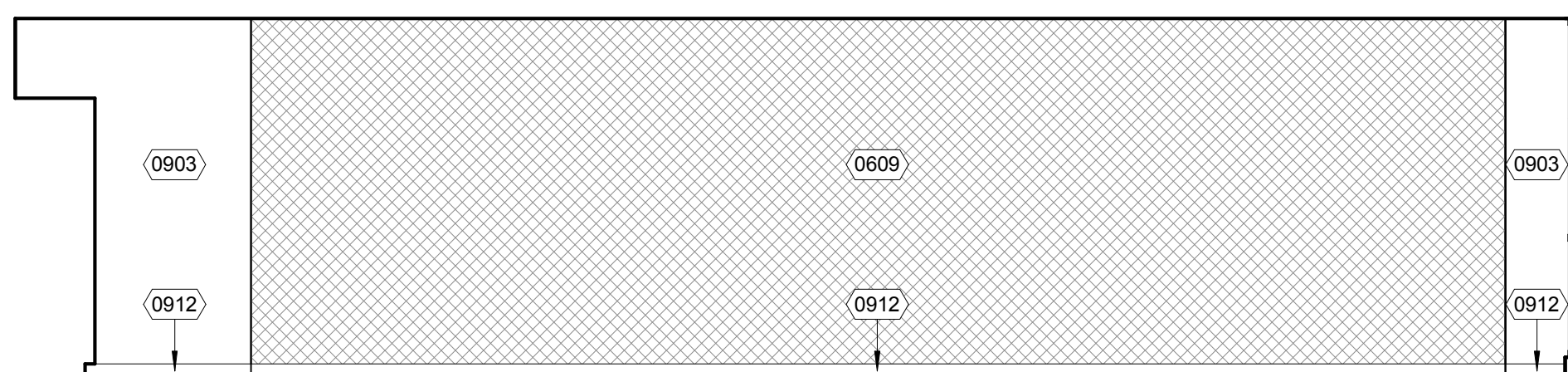
C229 WORKROOM WEST 19
1/4" = 1'-0"



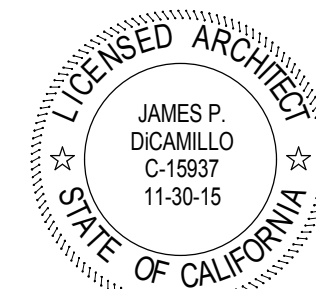
TYP CLASSROOM ELEV 3 - SECOND FLOOR 11
1/4" = 1'-0"



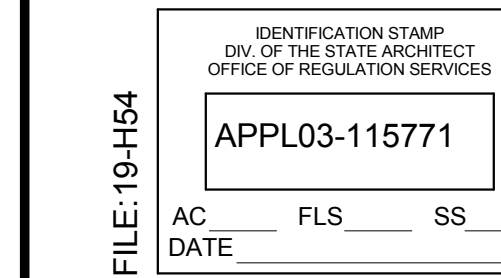
C229 WORKROOM NORTH 20
1/4" = 1'-0"



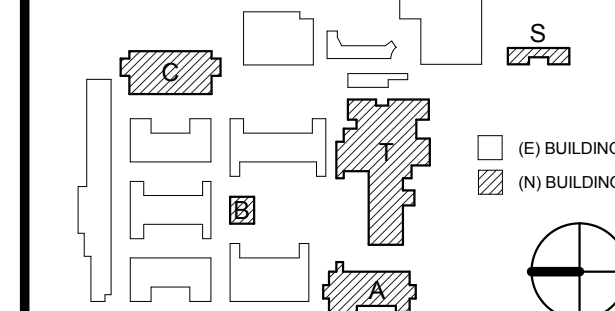
TYP CLASSROOM ELEV 4 - SECOND FLOOR 12
1/4" = 1'-0"



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KEY PLAN



REVISION SCHEDULE

NO	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

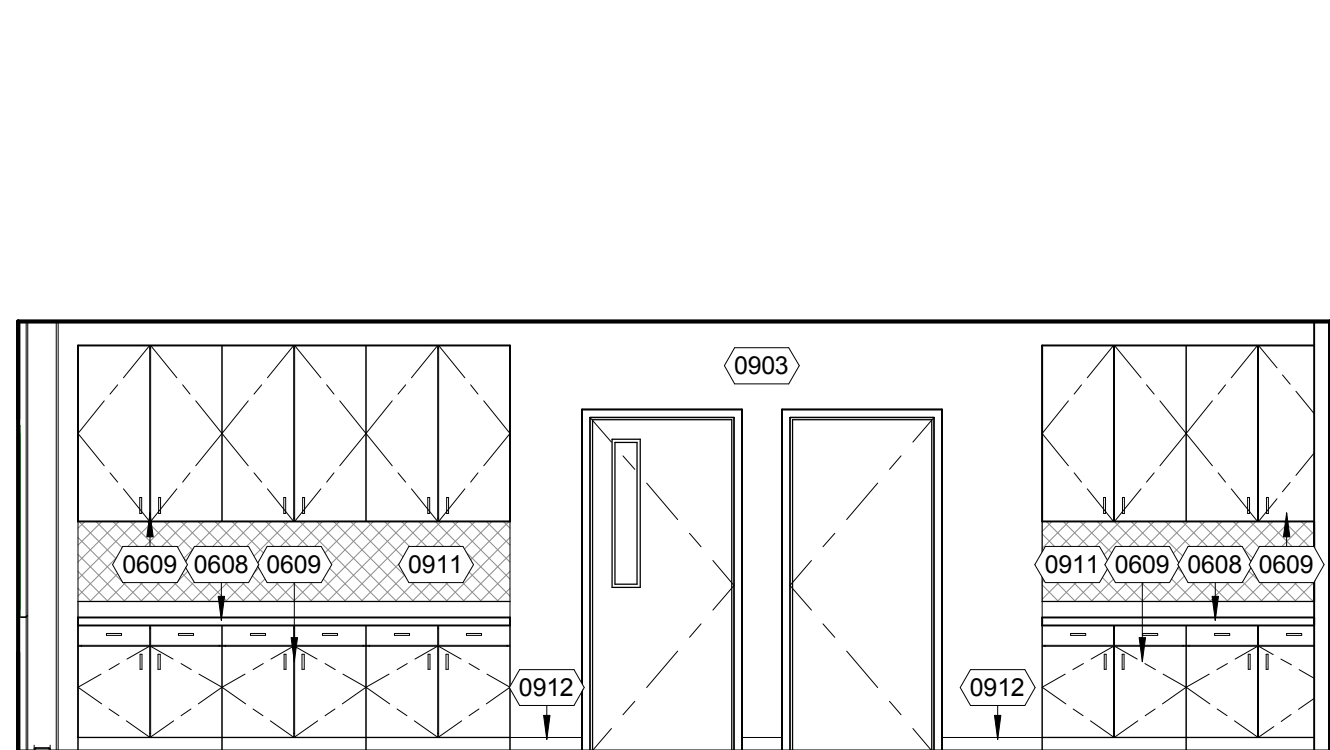
DRWN: SA CHKD: JPD

DATE: 12/21/2015 SCALE: 1/4" = 1'-0"

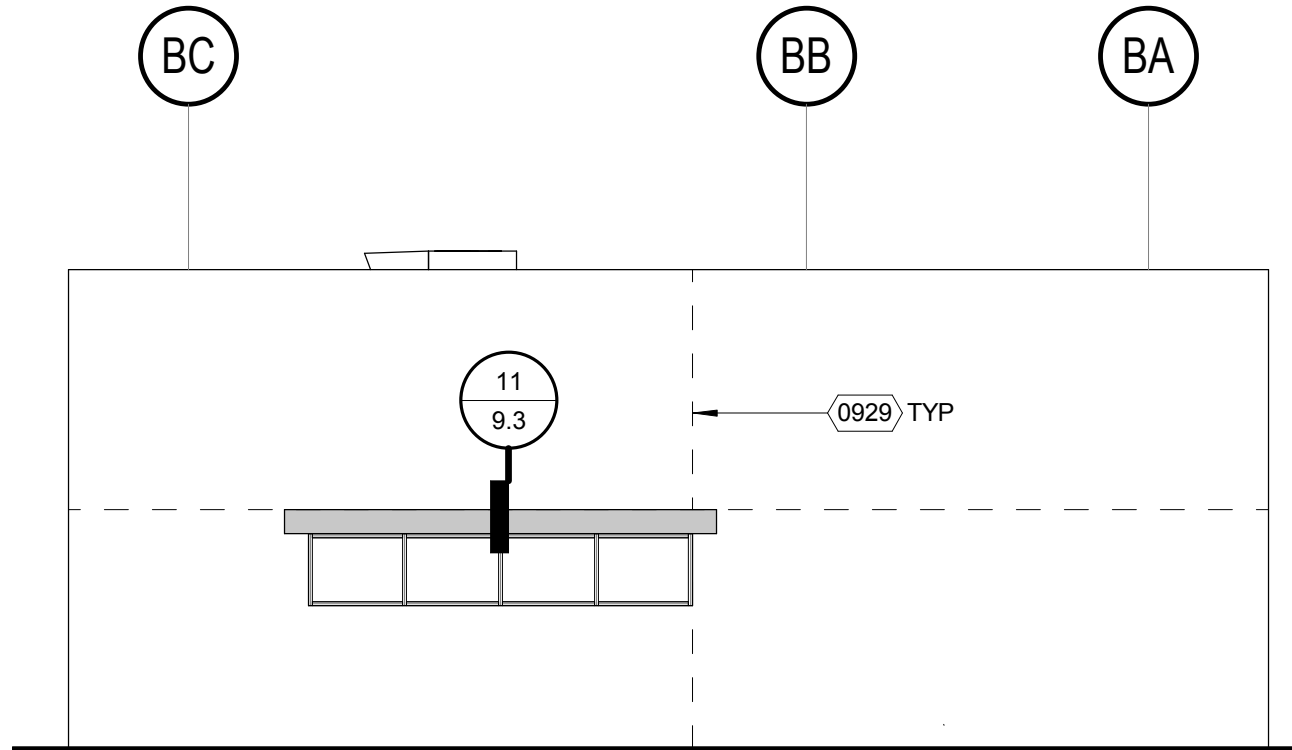
PROJECT NUMBER: 1310700

**CLASSRM BUILDING C
INTERIOR ELEVATIONS**

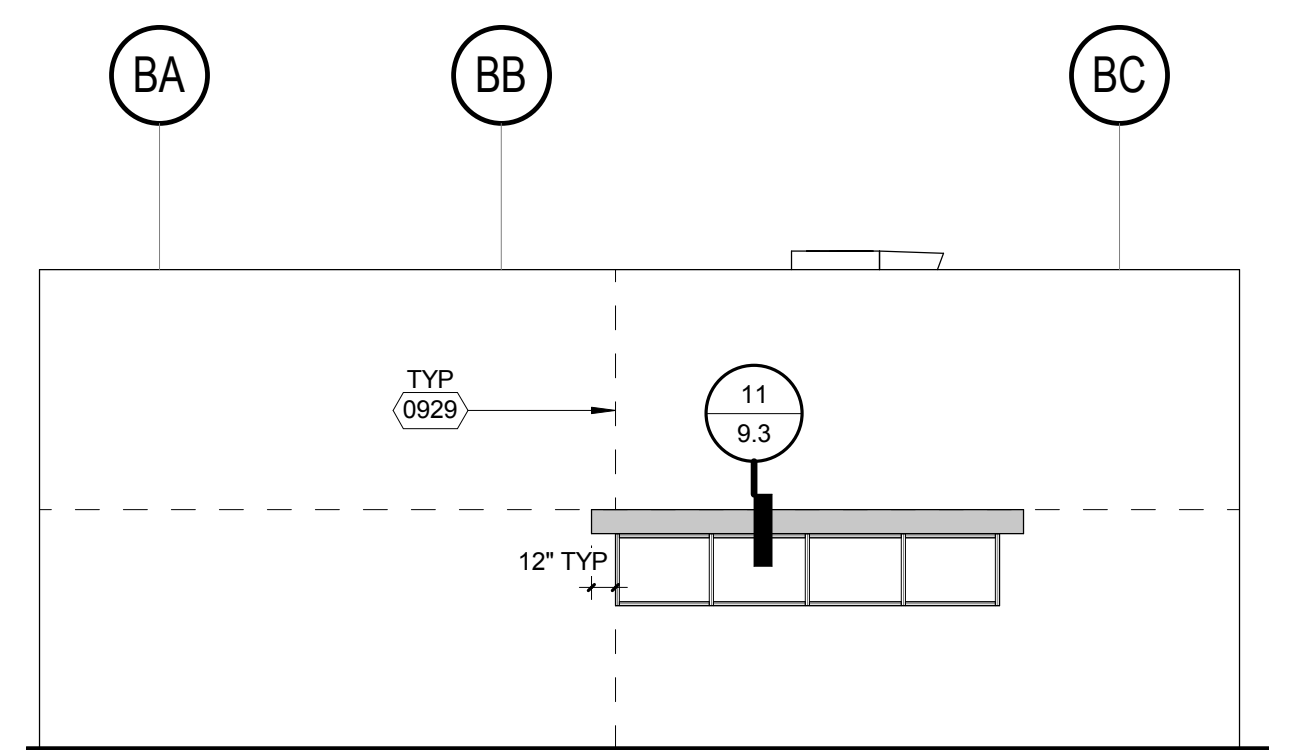
DRAWING NUMBER: **AC7.4**



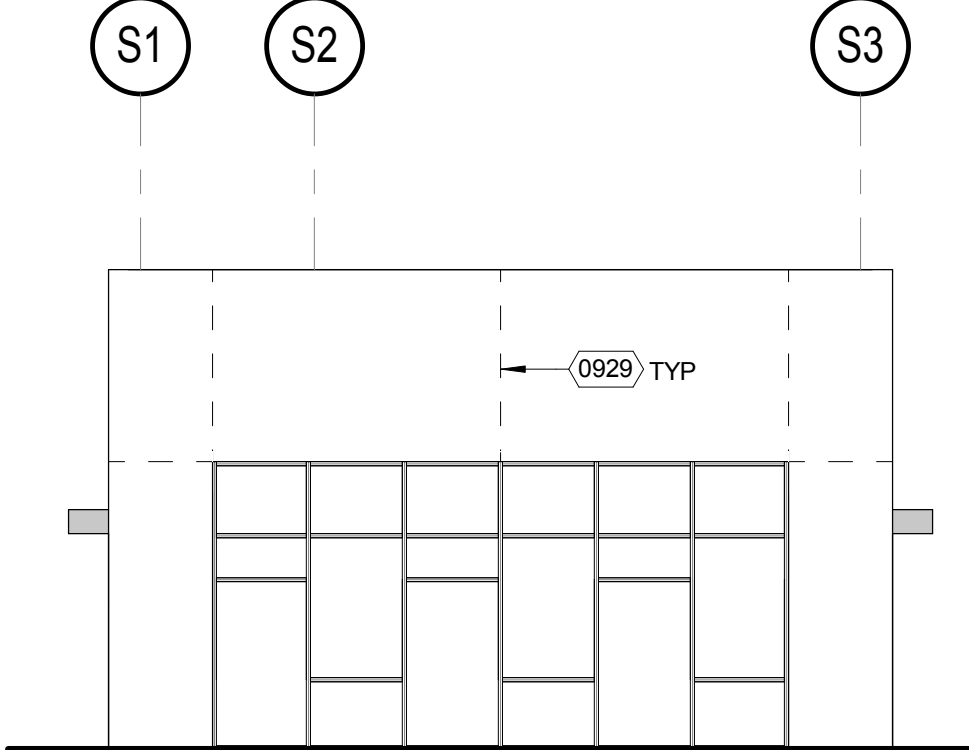
B101 ASB CLASSROOM NORTH ELEVATION
1/4" = 1'-0" 21



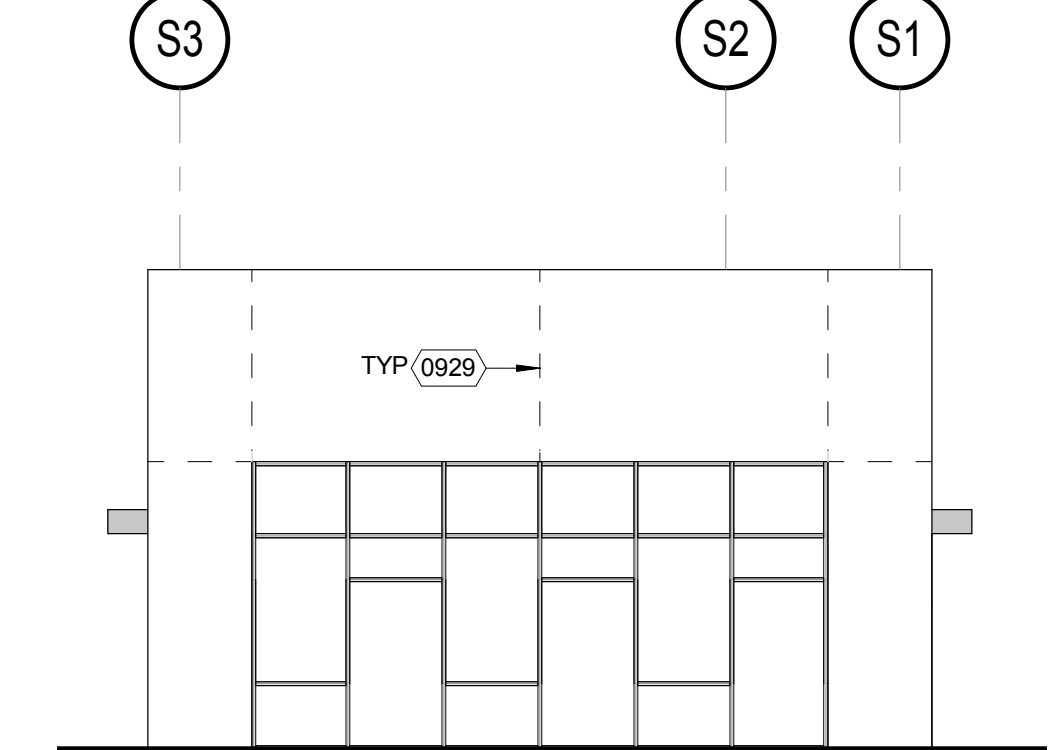
ASB BUILDING B EAST ELEVATION
1/8" = 1'-0" 17



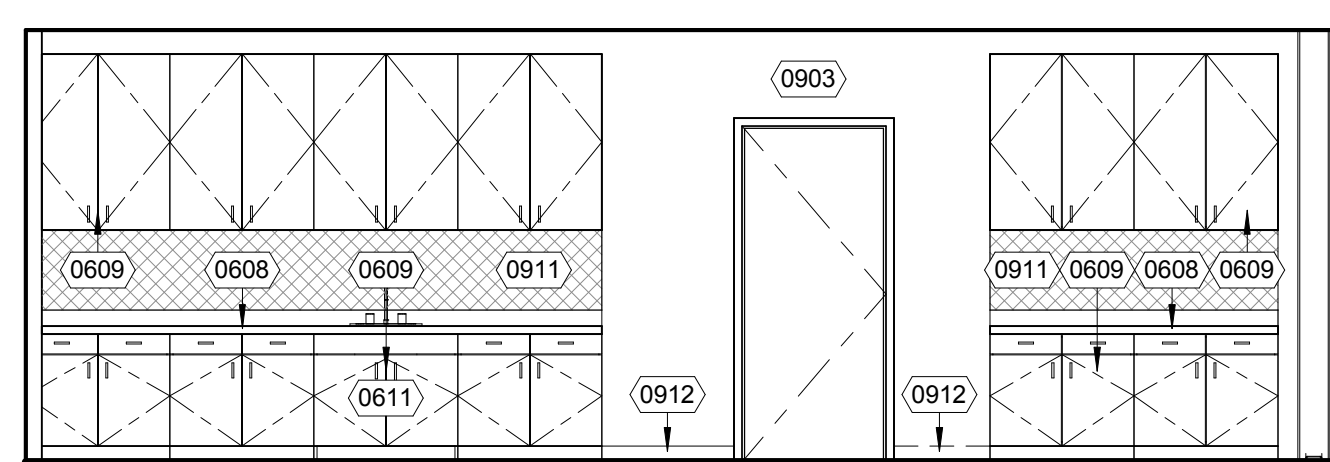
ASB BUILDING B WEST ELEVATION
1/8" = 1'-0" 9



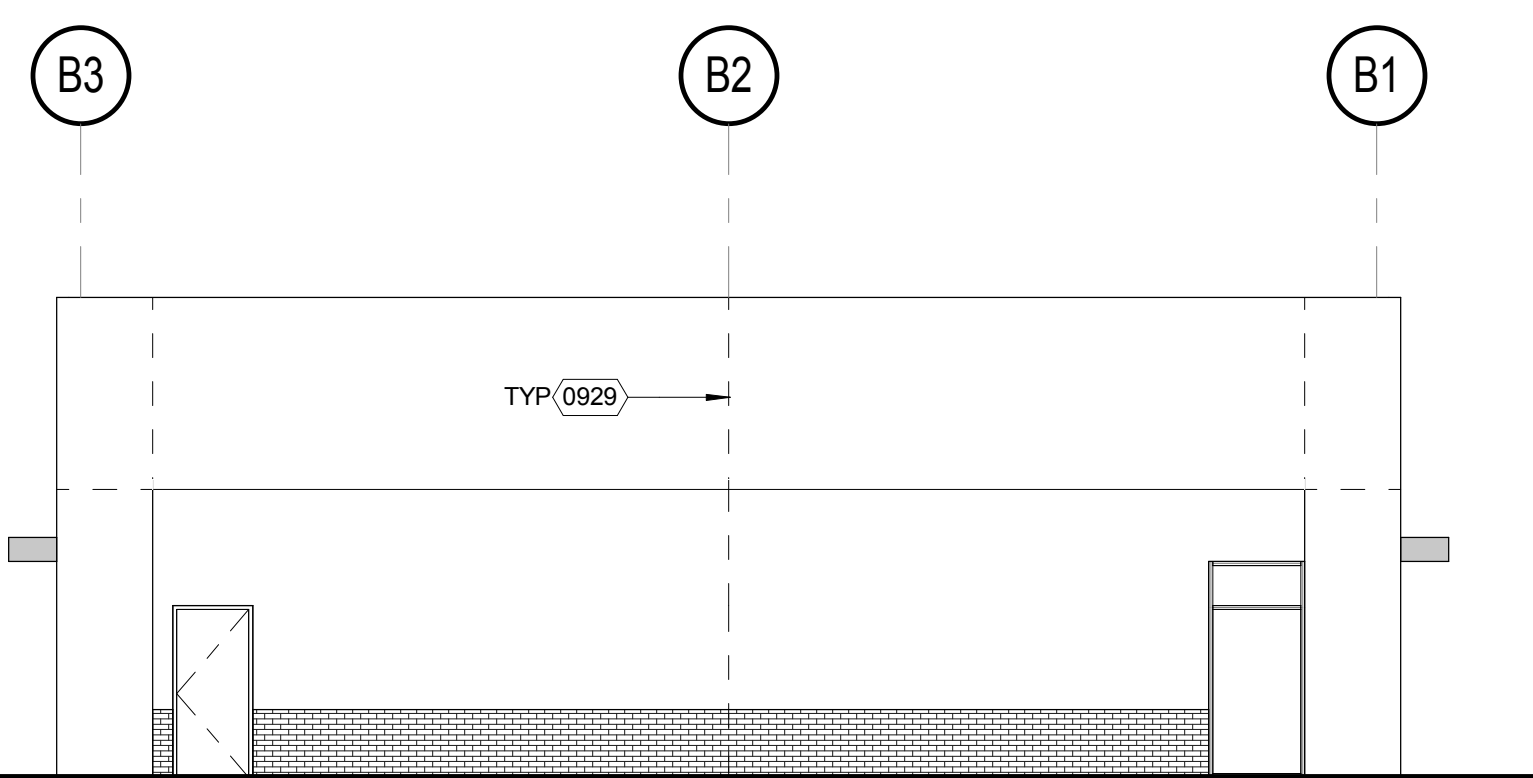
SPECIAL ED BUILDING S SOUTH ELEVATION
1/8" = 1'-0" 5



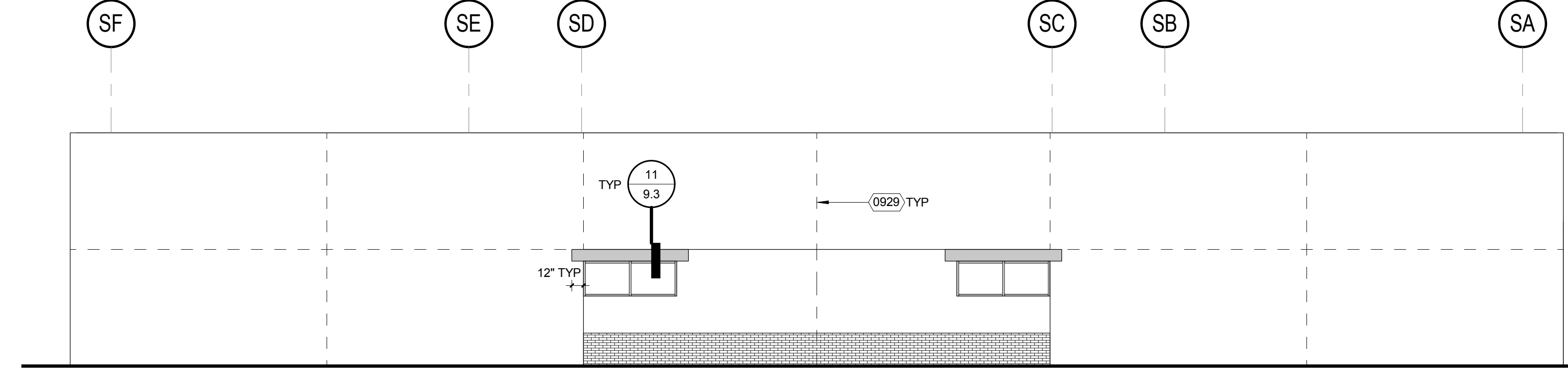
SPECIAL ED BUILDING S NORTH ELEVATION
1/8" = 1'-0" 1



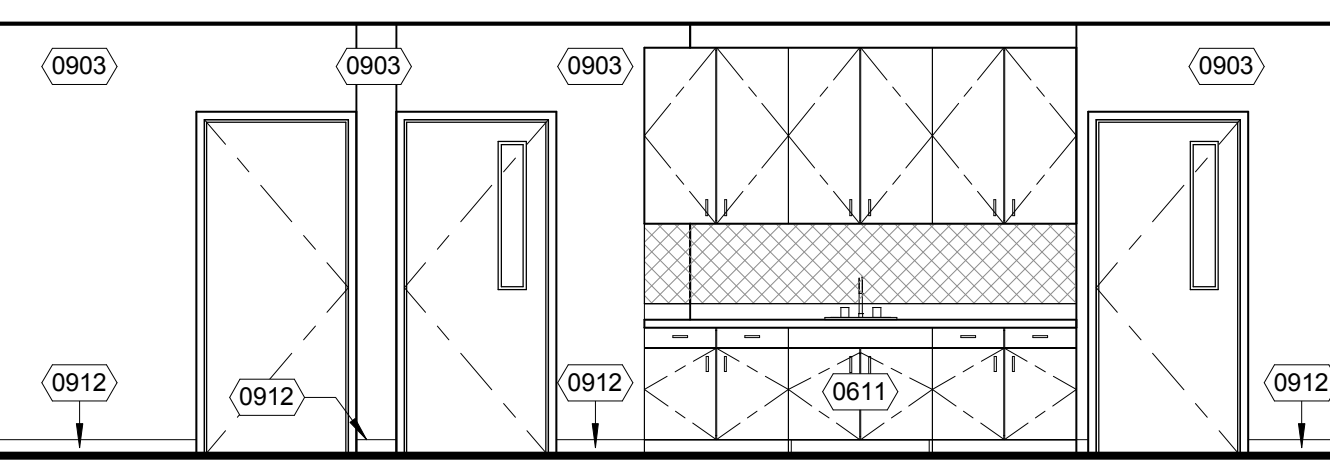
B102 STUDENT STORE NORTH ELEVATION
1/4" = 1'-0" 22



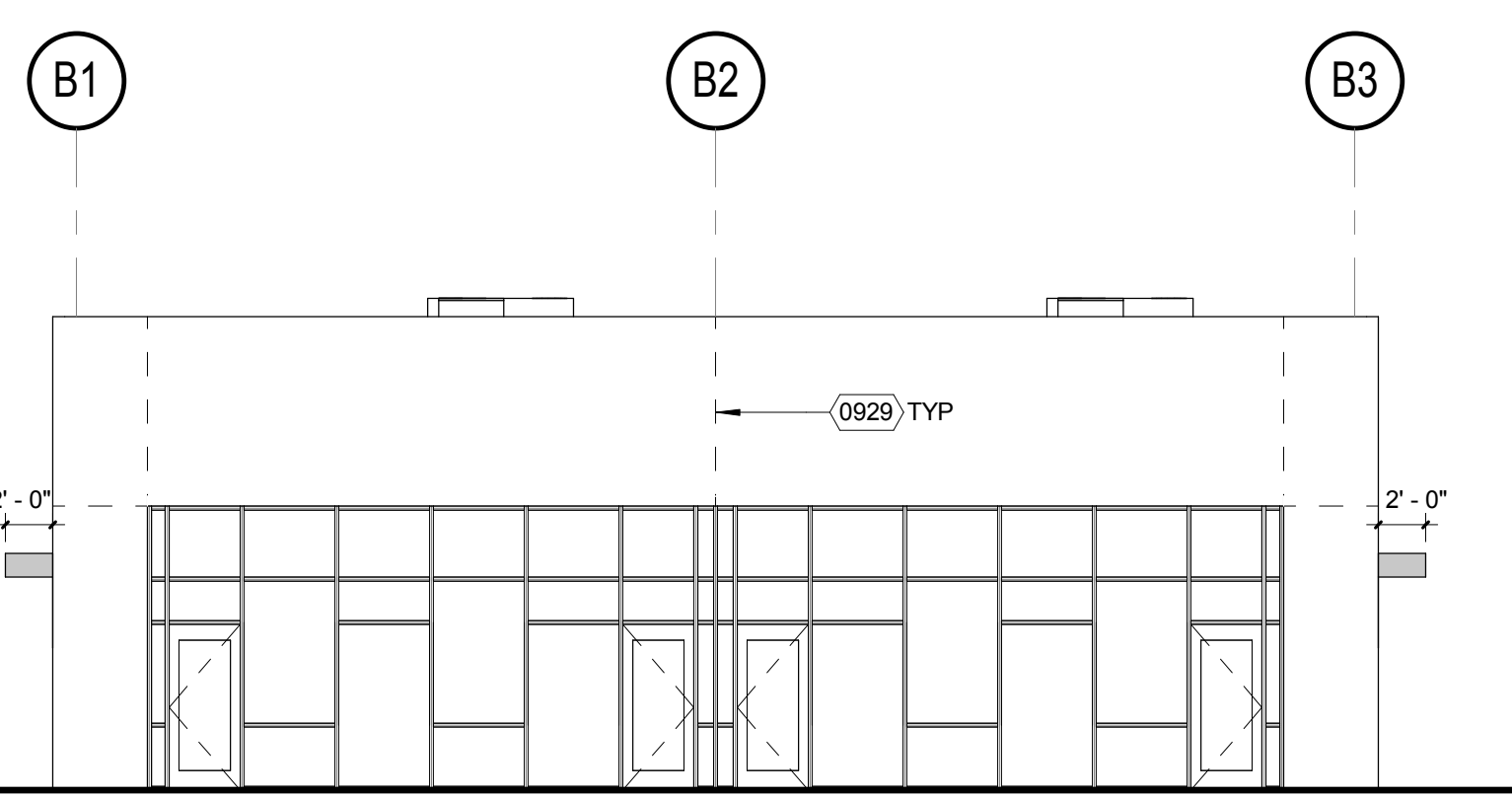
ASB BUILDING B NORTH ELEVATION
1/8" = 1'-0" 18



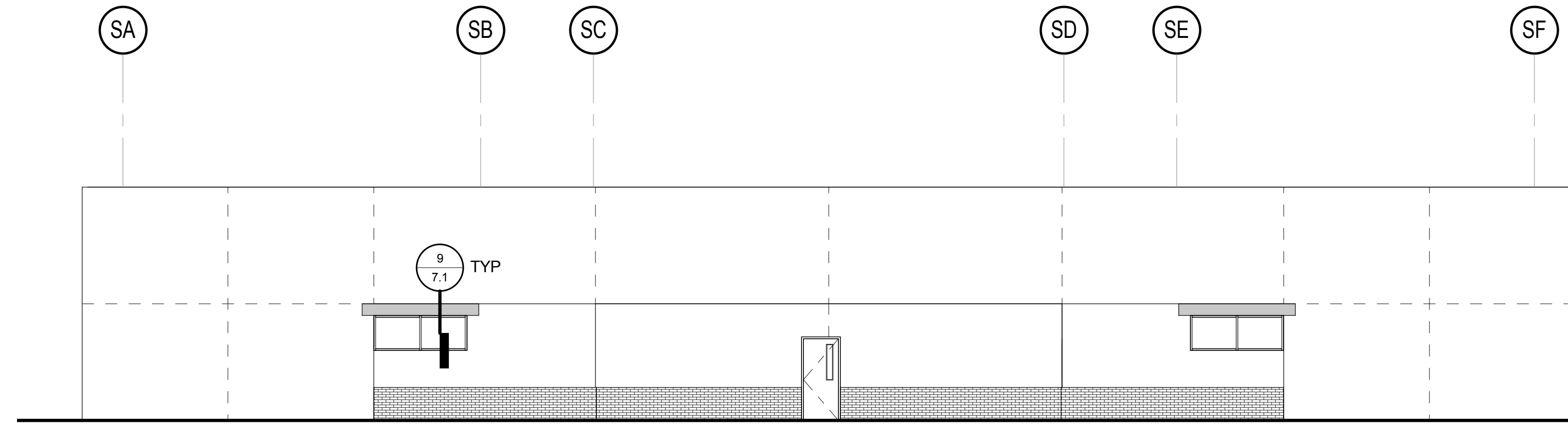
SPECIAL ED BUILDING S EAST ELEVATION
1/8" = 1'-0" 2



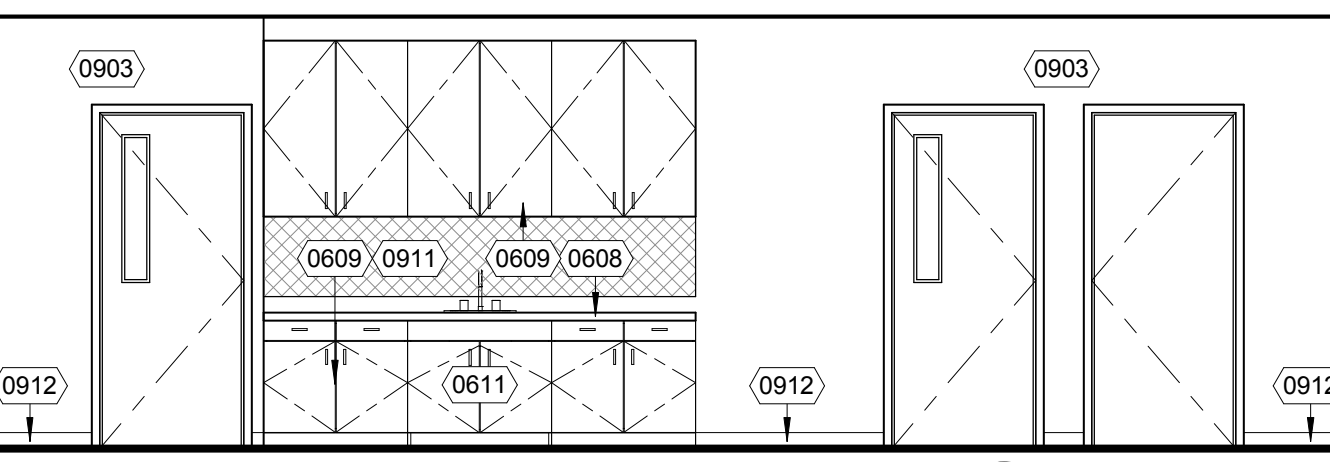
S107 SPECIAL ED CLASSROOM SOUTH ELEVATION
1/4" = 1'-0" 23



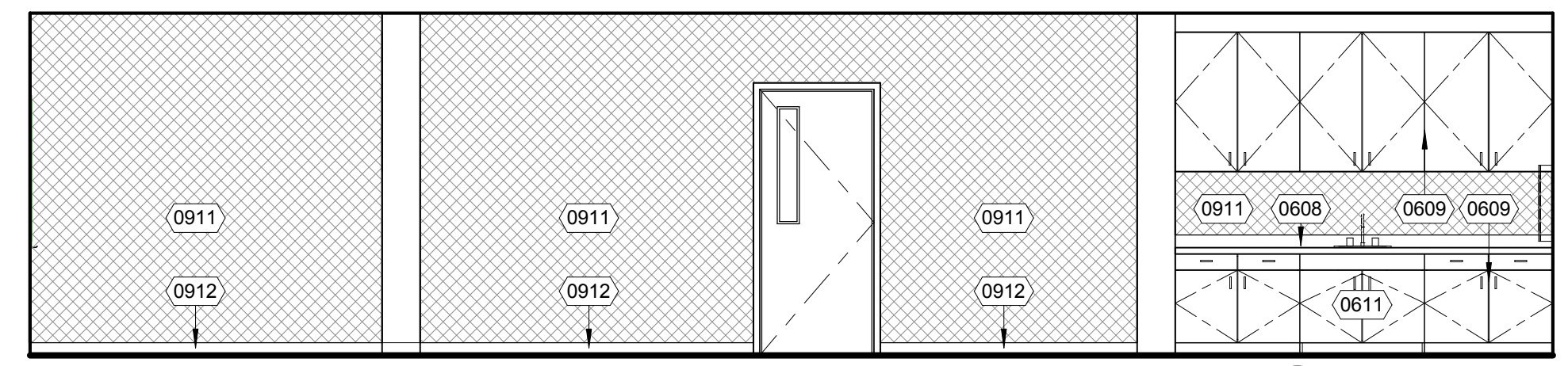
ASB BUILDING B SOUTH ELEVATION
1/8" = 1'-0" 19



SPECIAL ED BUILDING S WEST ELEVATION
1/8" = 1'-0" 3

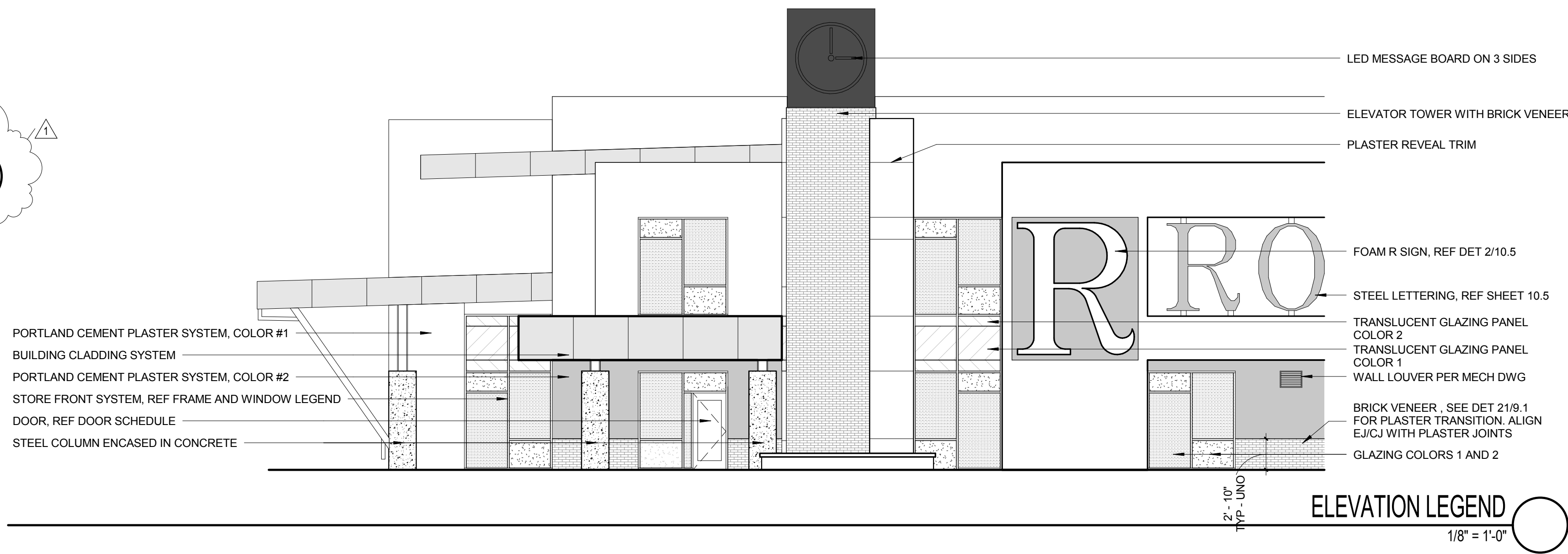


S101 SPECIAL ED CLASSROOM - a
1/4" = 1'-0" 24



S104 SPECIAL ED CLASSROOM - a
1/4" = 1'-0" 20

KEYNOTE	DESCRIPTION
0608	PLASTIC LAMINATE COUNTER TOP WITH BACK SPLASH WHERE SHOWN
0609	PLASTIC LAMINATE CABINET
0611	ACCESSIBLE SINK CABINET PER DETAIL 2/6.1
0903	PAINTED GYPSUM BOARD OVER MTL STUD FRAMING
0911	TACKABLE WALL BOARD, REF DETAIL 21/10.2
0912	RESILIENT BASE
0929	PLASTER AND OR VENEER CONTROL JOINT



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

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LICENSED ARCHITECT
JAMES P. DISAMIELLO
C-15937
11-30-15
STATE OF CALIFORNIA

CONSULTANT

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL03-115771
AC FLS SS
FILE:19-H54
DATE

KEY PLAN
① BUILDINGS
② NO BUILDINGS

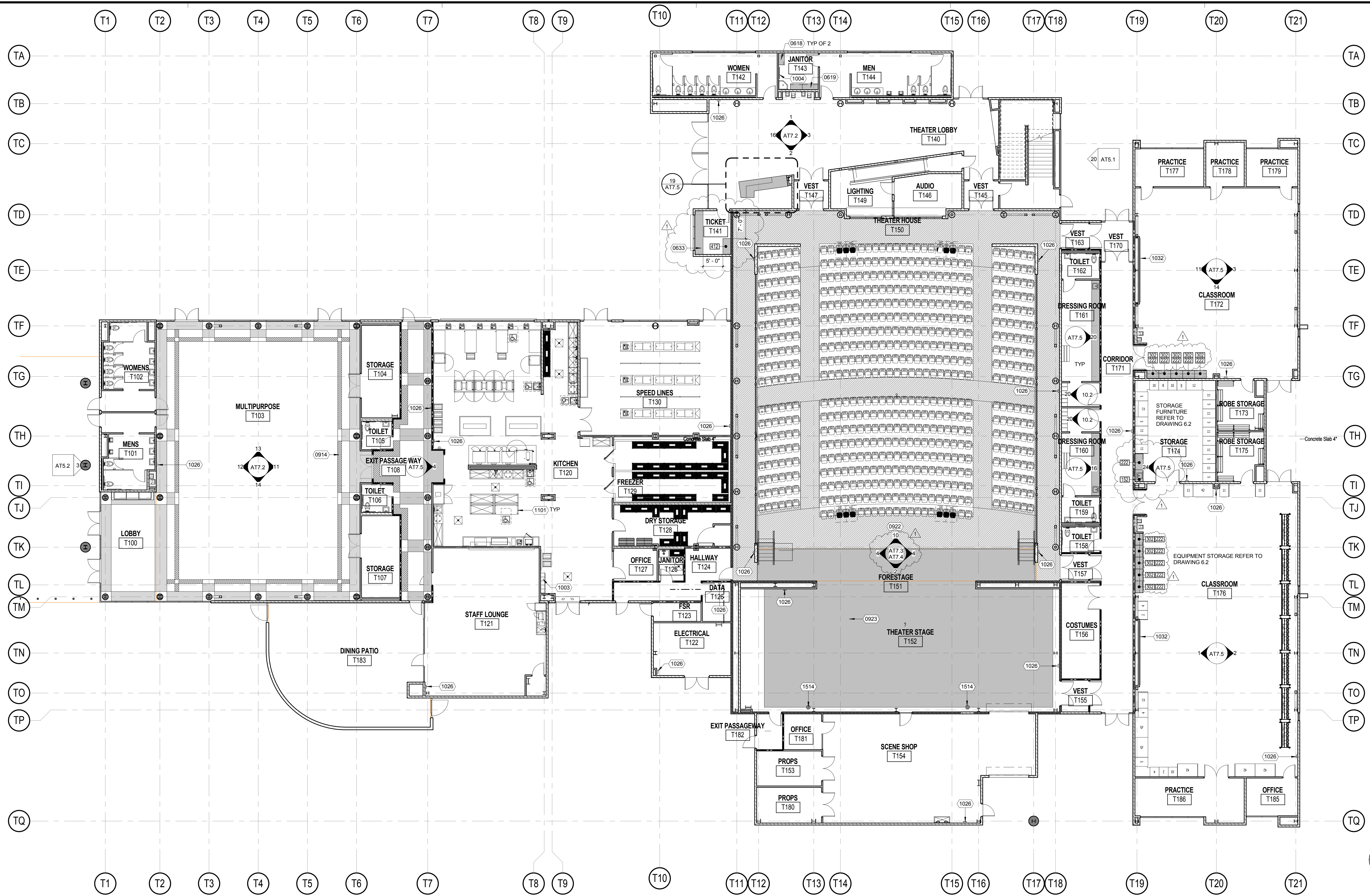
REVISION SCHEDULE		
NO	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: As indicated
PROJECT NUMBER: 1310700

ASB & SPECIAL ED BUILDINGS ELEVATIONS

DRAWING NUMBER: **AS5.1**

3/29/2016 11:18:00 AM

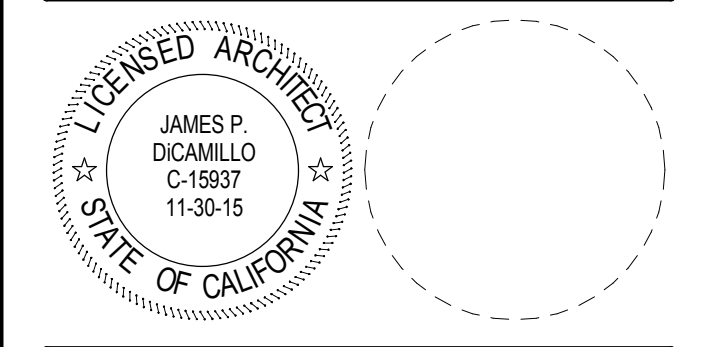


THEATER / CAFETERIA / MULTIPURPOSE BUILDING T
 OVERALL FIRST FLOOR INTERIOR PLAN
 3/32" = 1'-0"

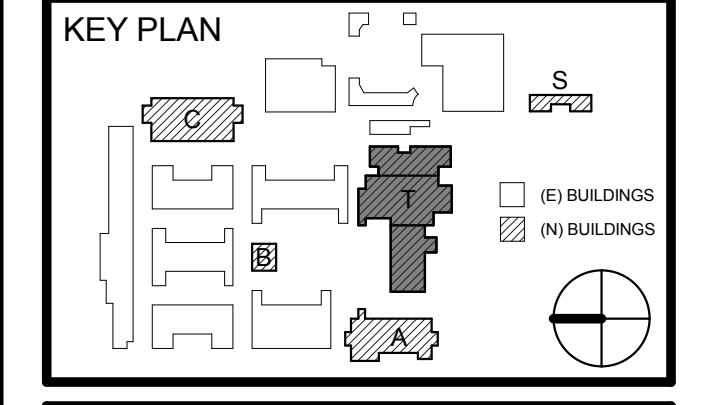
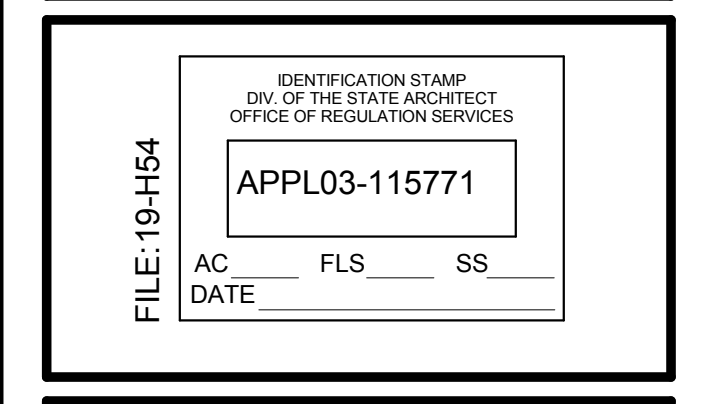
= KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
0618	PLASTIC LAMINATE SHELVES W/ 400 36"W X 18"D X 84"H
0619	PLASTIC LAMINATE SHELVES W/ 400 48"W X 18"D X 84"H
0633	PLASTIC LAMINATE COUNTER PER DETAIL 6/6.1 - SIM
0914	FLOOR PATTERN
0922	SHEET CARPETING AREA
0923	WOOD STAGE FLOORING AREA
1003	METAL LOCKERS, REF DETAIL 20/10.2
1004	MOP RACK B-224-36
1026	RECESSED FIRE EXTINGUISHER AND CABINET, REF DETAIL 23/10.2
1032	4"X16" MARKER BOARD, REF DETAIL 22/10.2
1101	FOOD SERVICE EQUIPMENT REFER TO FOOD SERVICE DRAWING
1514	STAND PIPE PER FIRE PROTECTION DRAWINGS

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 2000 OTTERBEIN AVE
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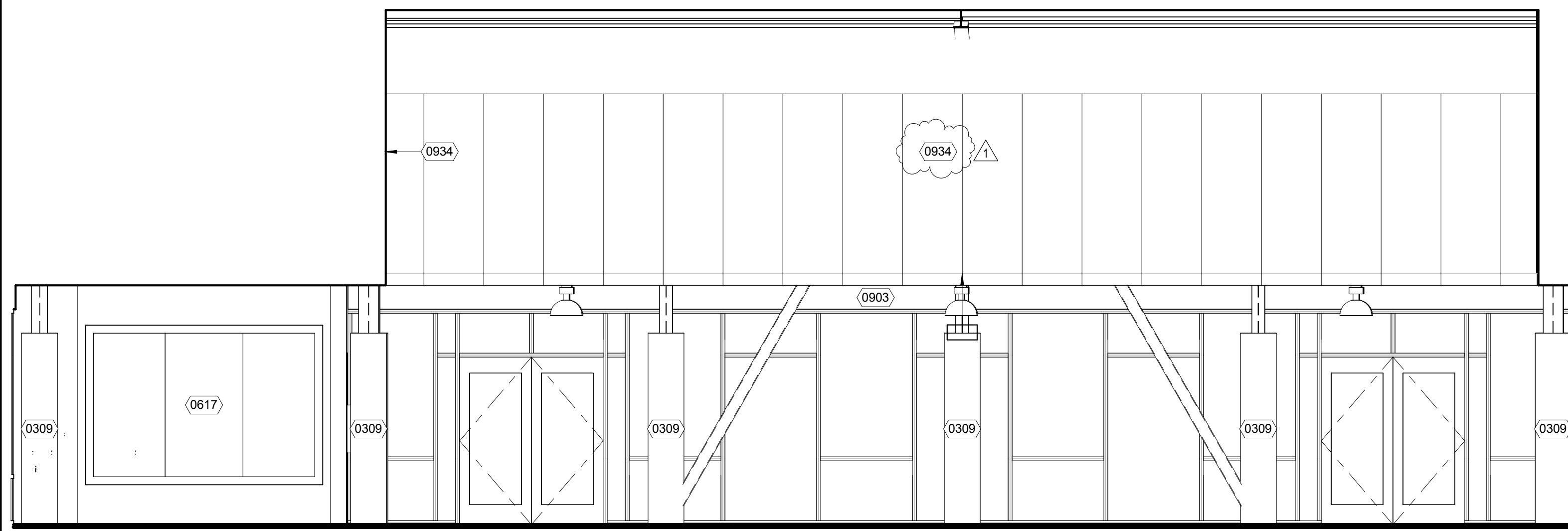
REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

DRWN: SA CHKD: JPD
 DATE: 12/21/2015 SCALE: 3/32" = 1'-0"
 PROJECT NUMBER: 1310700

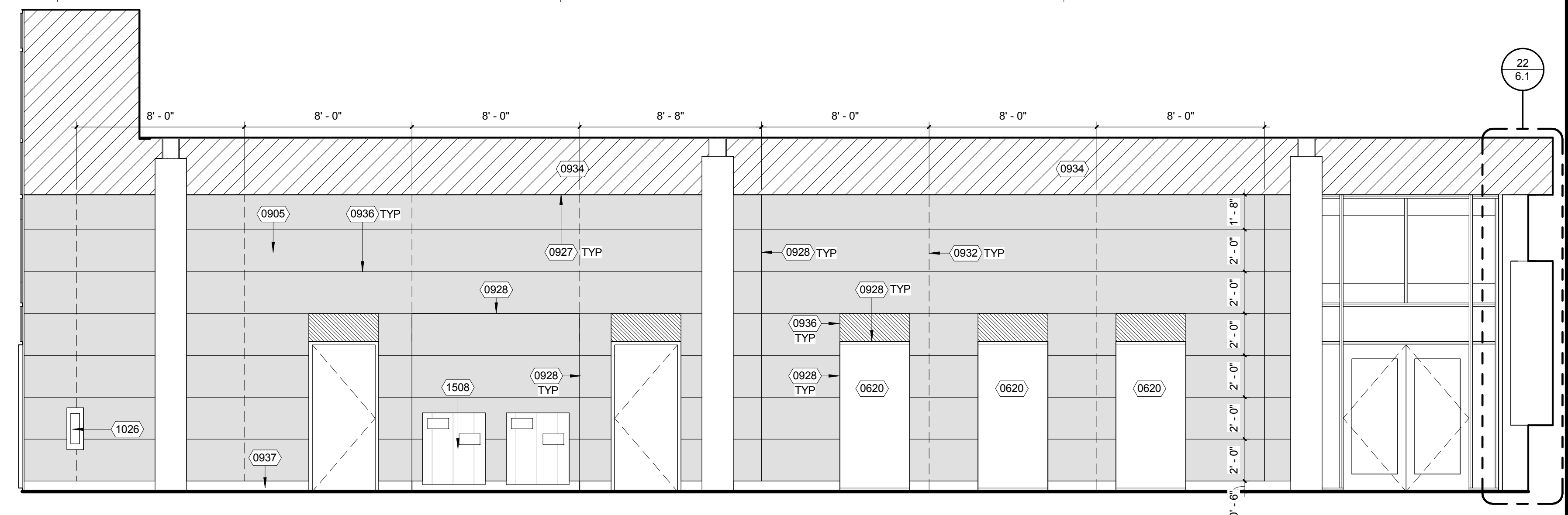
THTR / CAFE / MPR
BUILDING T 1ST FLR
INTERIOR PLAN

DRAWING NUMBER: **AT7.1**

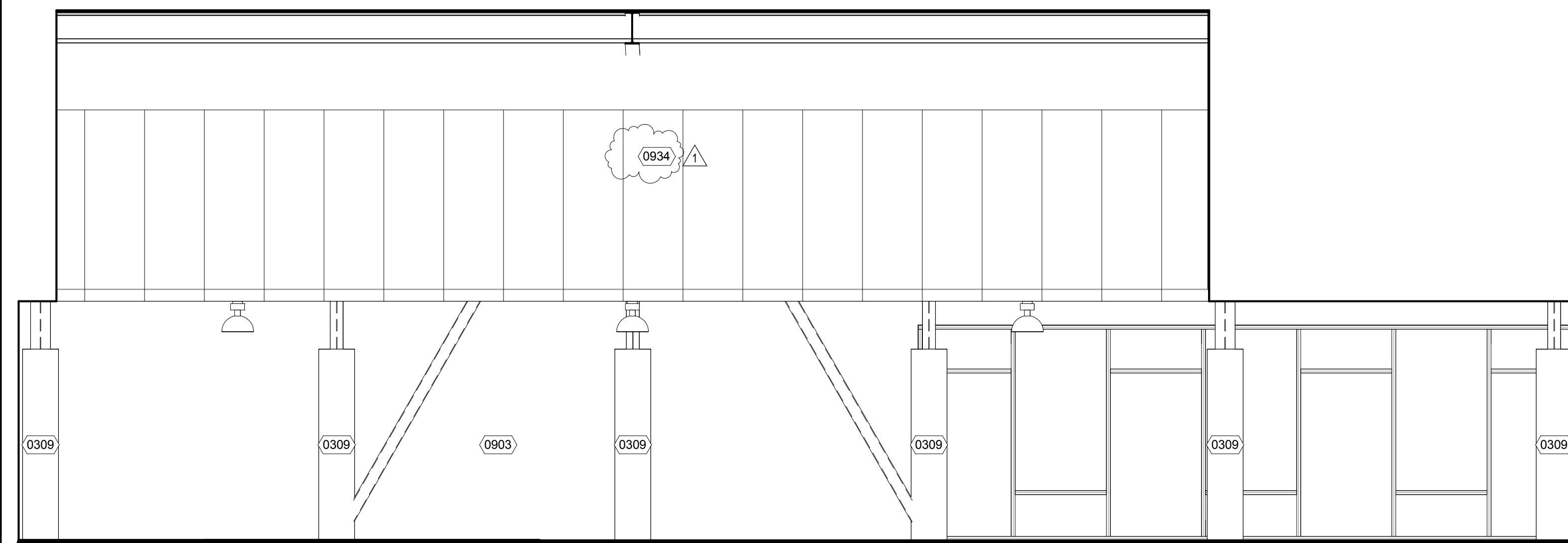
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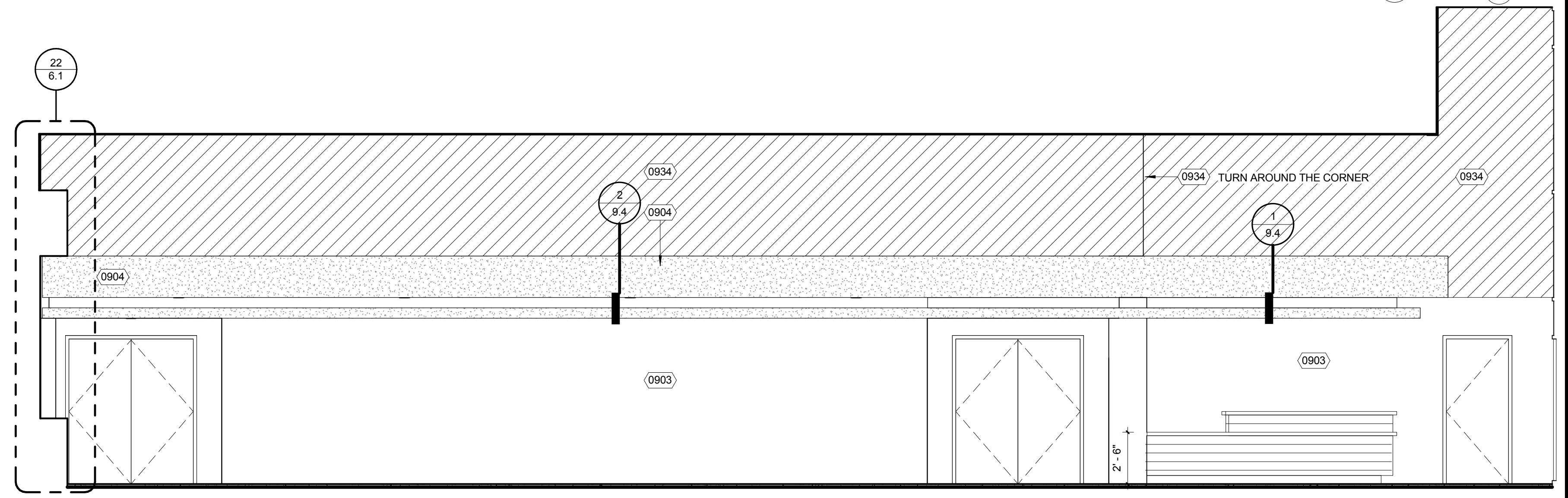
LOBBY / MULTIPURPOSE - T100 / T103
- NORTH ELEVATION 13
1/4" = 1'-0"



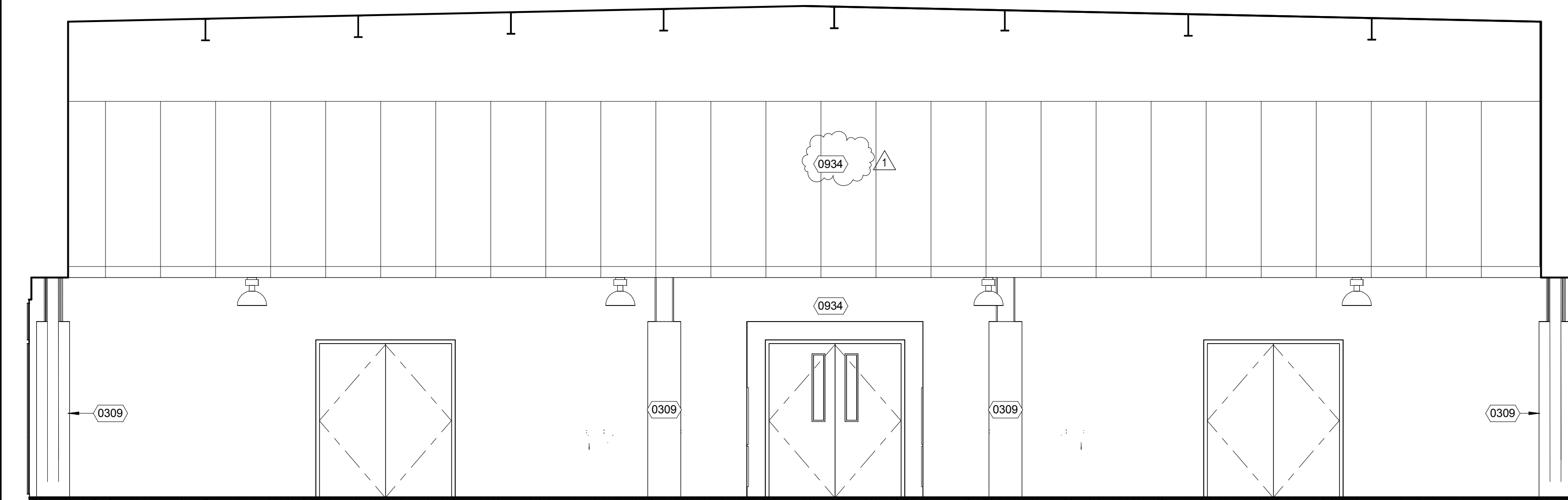
LOBBY T140 - NORTH ELEVATION 1
1/4" = 1'-0"



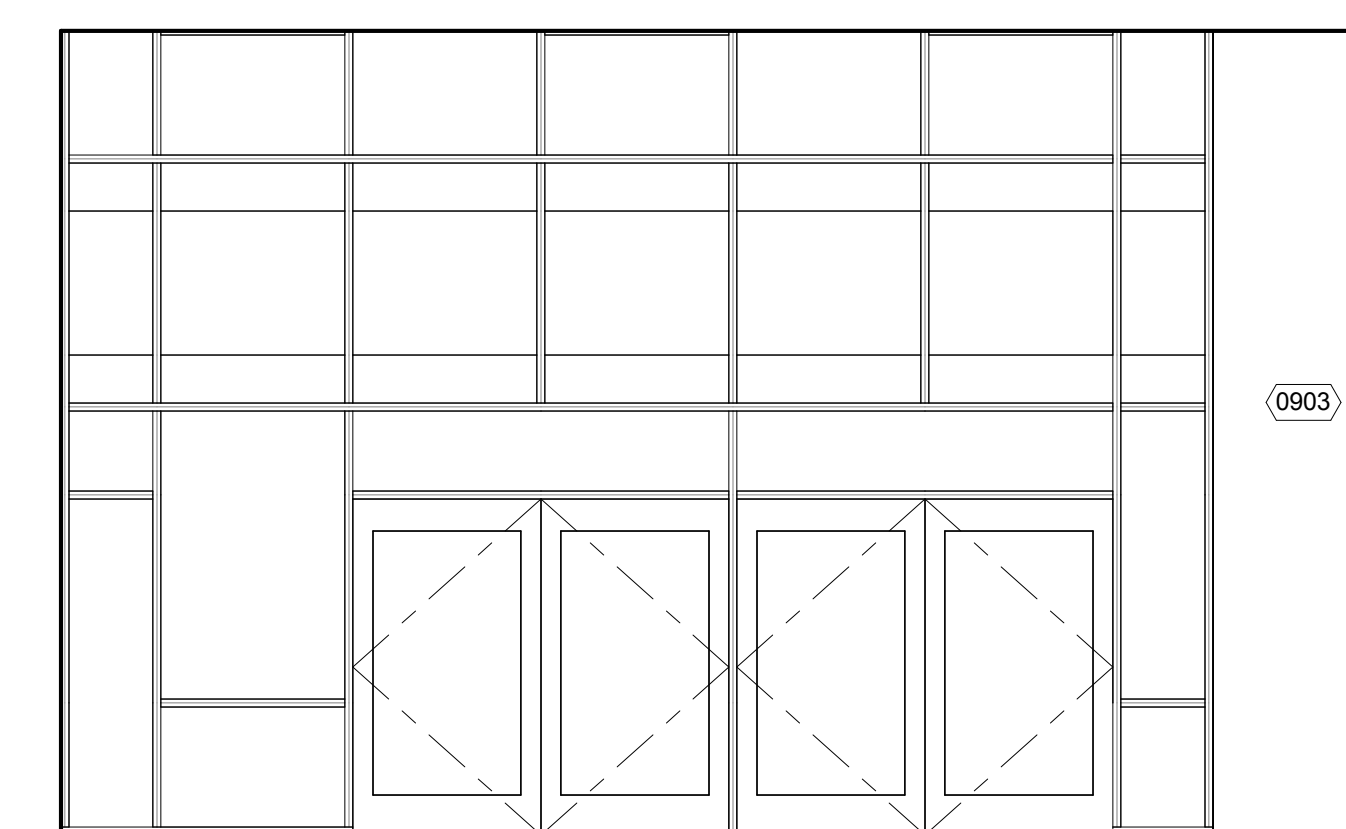
LOBBY / MULTIPURPOSE - T100 / T103
- SOUTH ELEVATION 14
1/4" = 1'-0"



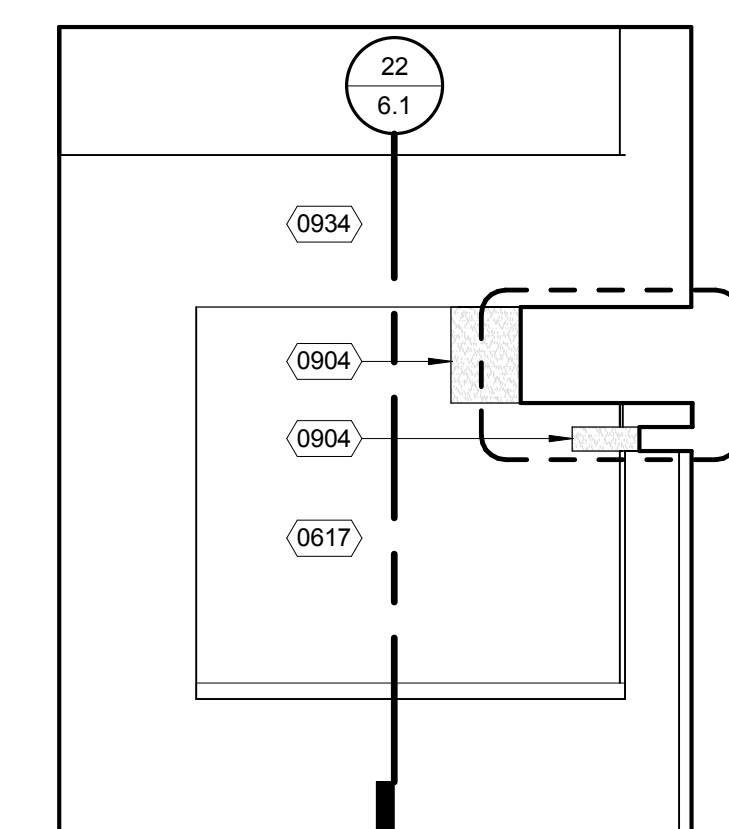
LOBBY T140 - SOUTH ELEVATION 2
1/4" = 1'-0"



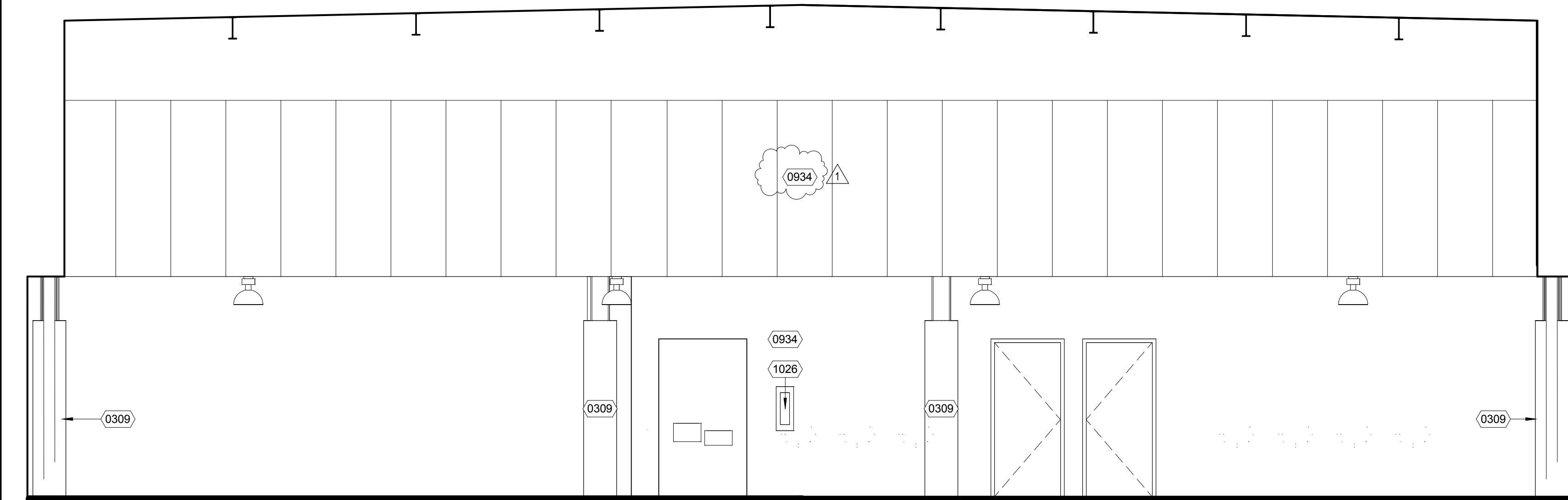
LOBBY / MULTIPURPOSE - T100 / T103
- EAST ELEVATION 11
1/4" = 1'-0"



LOBBY T140 - WEST ELEVATION 16
1/4" = 1'-0"



LOBBY T140 - EAST ELEVATION 3
1/4" = 1'-0"



LOBBY / MULTIPURPOSE - T100 / T103
- WEST ELEVATION 12
1/4" = 1'-0"

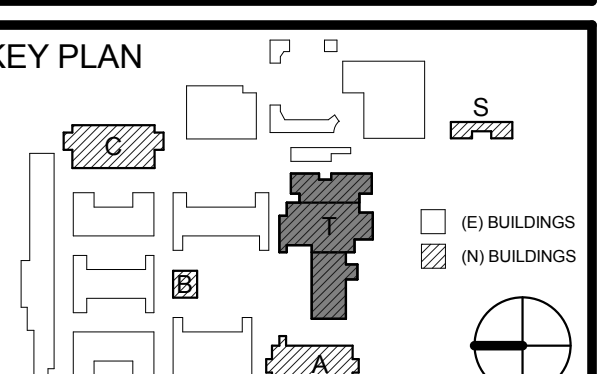
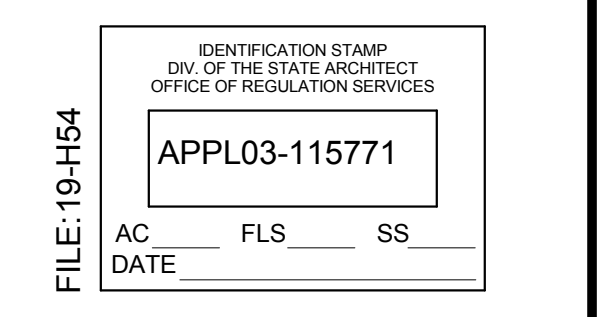
= KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
0309	18" CONCRETE COLUMN COVER- REF DETAIL 203.1
0617	DISPLAY CASE- REF DETAIL 109.4
0620	DISPLAY ALCOVE PER DETAIL 4/6.2
0903	PAINTED GYPSUM BOARD OVER MTL STUD FRAMING
0904	PAINTED GYPSUM BOARD OVER MTL STUD SOFFIT FRAMING
0905	MARLITE PANELING SYSTEM - 3 COLOR VARIATION MAX PER DRAWING
0927	MARLITE FLAMESAFE CP270 EDGE CAP HOLDING
0928	MARLITE FLAMESAFE CP90 2 PIECE CORNER TRIM
0932	MARLITE FLAMESAFE CP3 - 1/16" HIDDEN REVEAL (BLACK)
0934	SOUND ABSORBING WALL PANELING
0936	MARLITE FLAMESAFE CP6 - 1/8" SLIM REVEAL
0937	TERRAZZO BASE
1026	RECESSED FIRE EXTINGUISHER AND CABINET, REF DETAIL 23/10.2
1508	HI-LO DF, REF PLUMBING DWGS & DET 19/10.2

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REVISION SCHEDULE		
NO	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

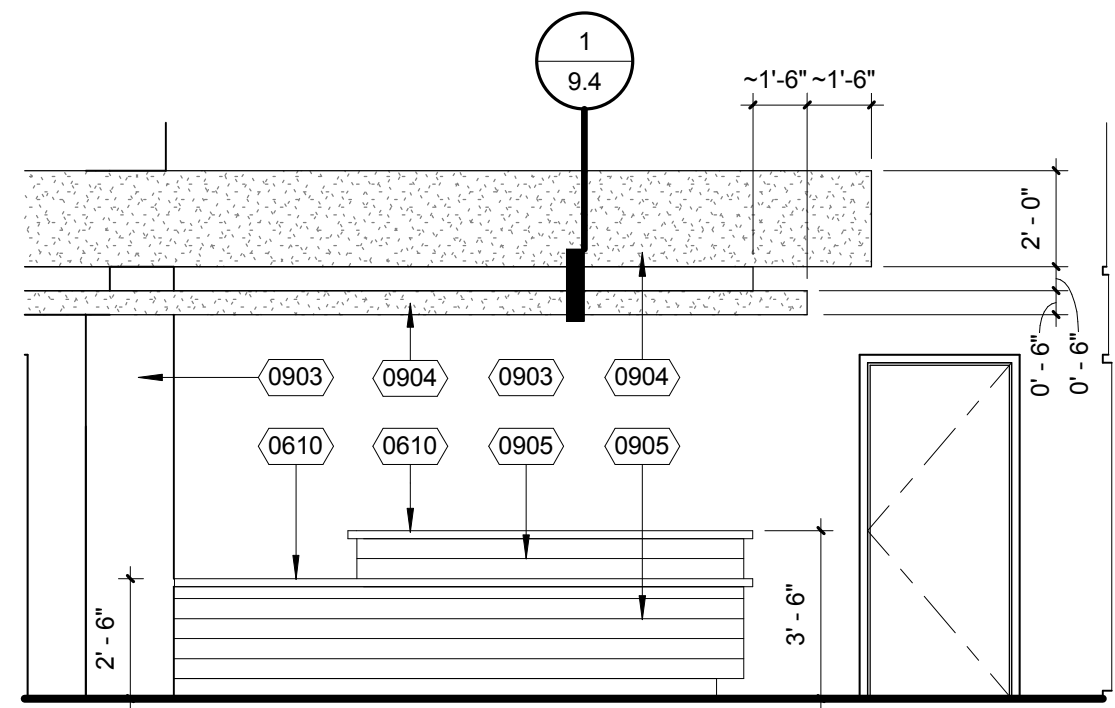
DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: 1/4" = 1'-0"
PROJECT NUMBER: 1310700

THTR / CAFE / MPR
BUILDING T INTERIOR
ELEVATIONS

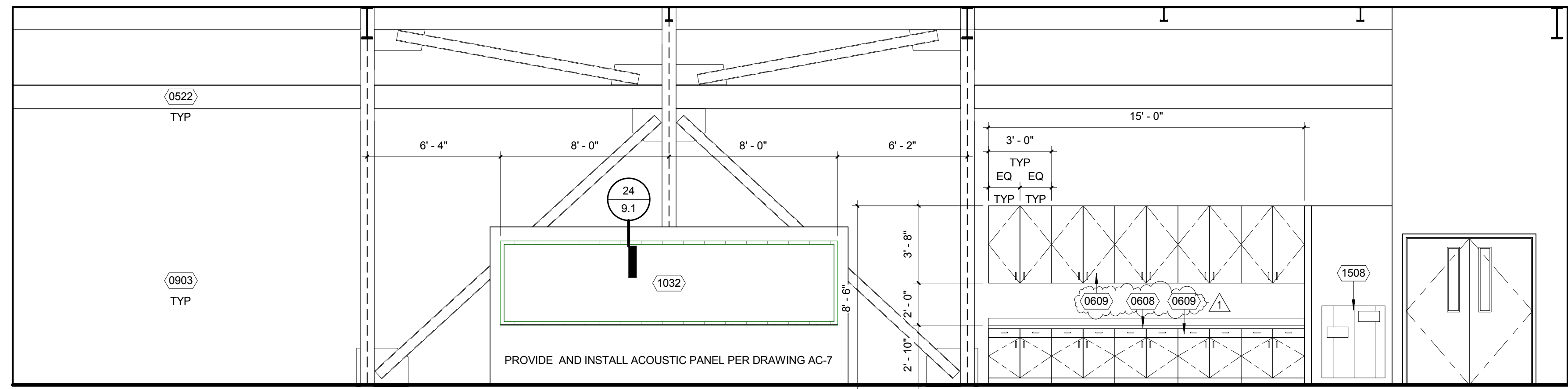
DRAWING NUMBER: **AT7.2**

3/29/2016 11:21:11 AM

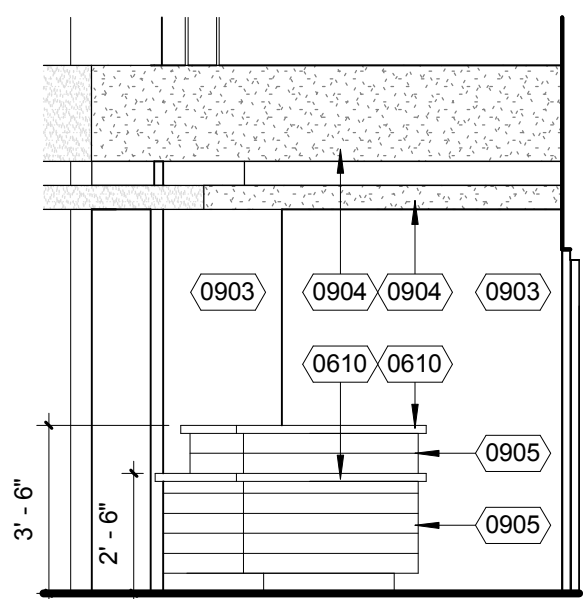
KEYNOTE	DESCRIPTION
0309	18" CONCRETE COLUMN COVER, REF DETAIL 203.1
0522	STRUCTURAL BEAMS AND COLUMNS PER STRUC DRAWING
0608	PLASTIC LAMINATE COUNTER TOP WITH BACK SPLASH WHERE SHOWN
0609	PLASTIC LAMINATE CABINET
0610	SOLID SURFACING
0903	PAINTED GYPSUM BOARD OVER MTL STUD FRAMING
0904	PAINTED GYPSUM BOARD OVER MTL STUD SOFFIT FRAMING
0905	MARLITE PANELING SYSTEM - 3 COLOR VARIATION MAX PER DRAWING
0934	SOUND ABSORBING WALL PANELING
1026	RECESSED FIRE EXTINGUISHER AND CABINET, REF DETAIL 23/10.2
1032	4'X16' MARKER BOARD, REF DETAIL 22/10.2
1033	FULL HEIGHT MIRROR
1508	HALO DP, REF PLUMBING DWGS & DET 19/10.2
1509	COUNTERMOUNTED SINK PER PLUMBING DRAWING
1606	VANITY FIXTURE PER ELECTRICAL DRAWINGS



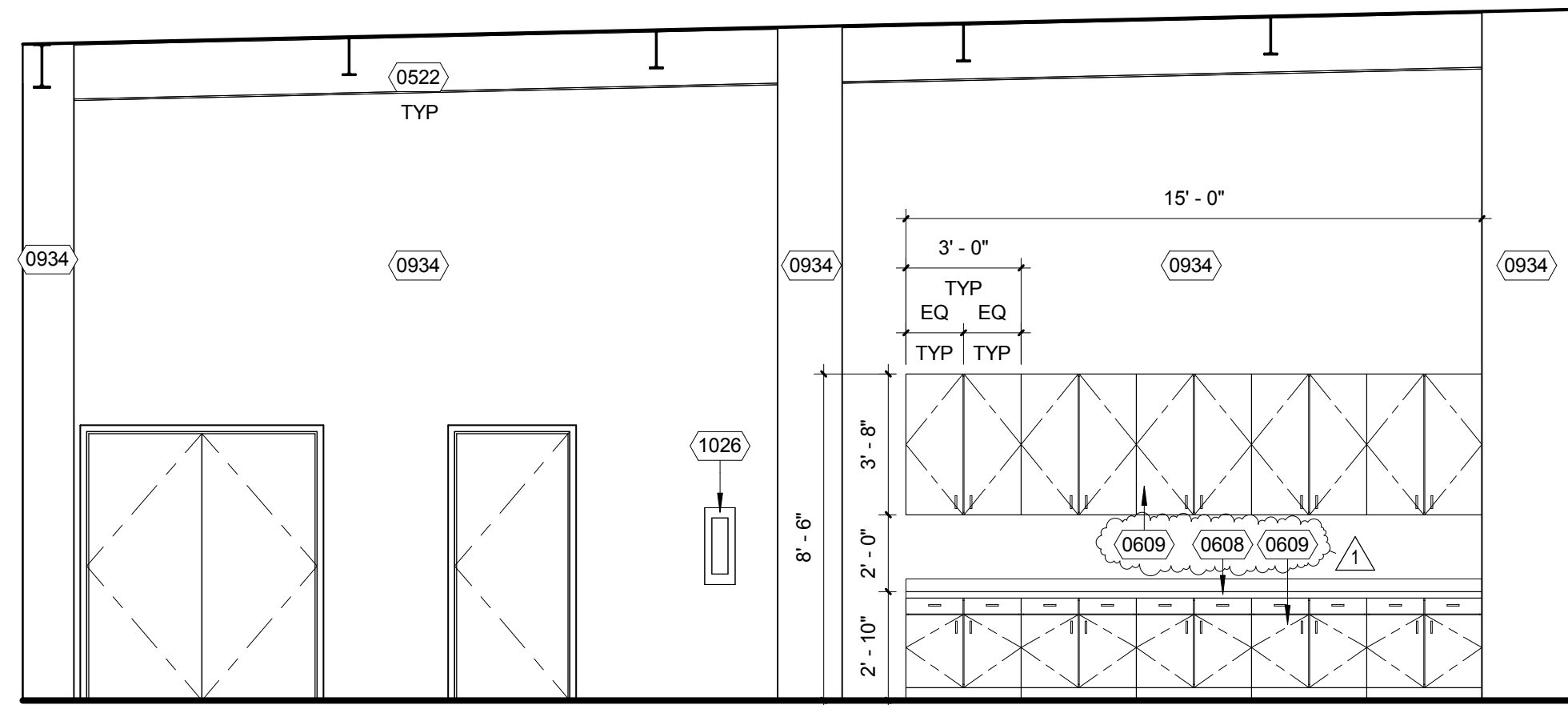
THEATER LOBBY CONSESSION STAND T141
- NORTH ELEVATION 13
1/4" = 1'-0"



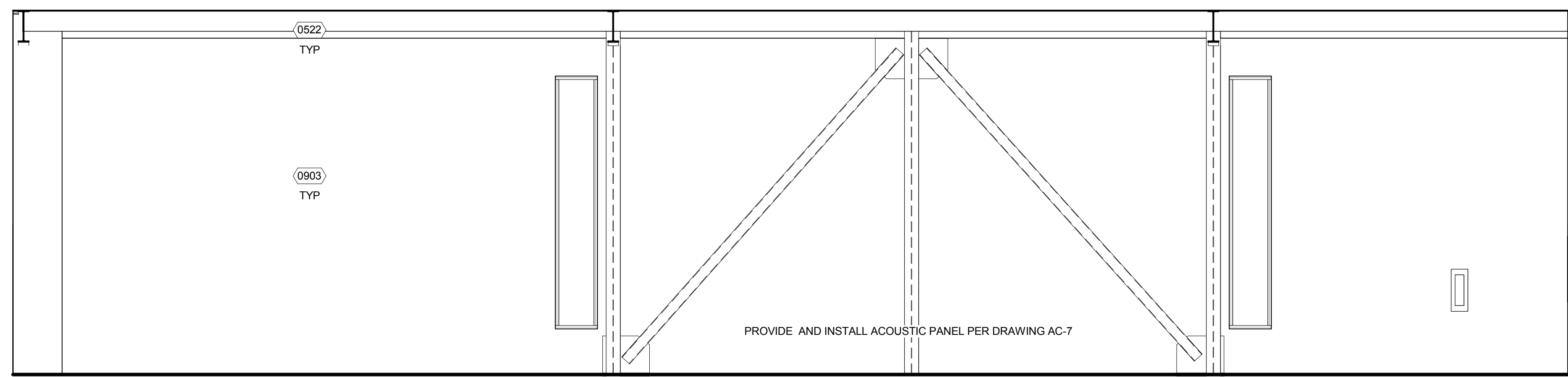
BAND T176 - WEST ELEVATION 1
1/4" = 1'-0"



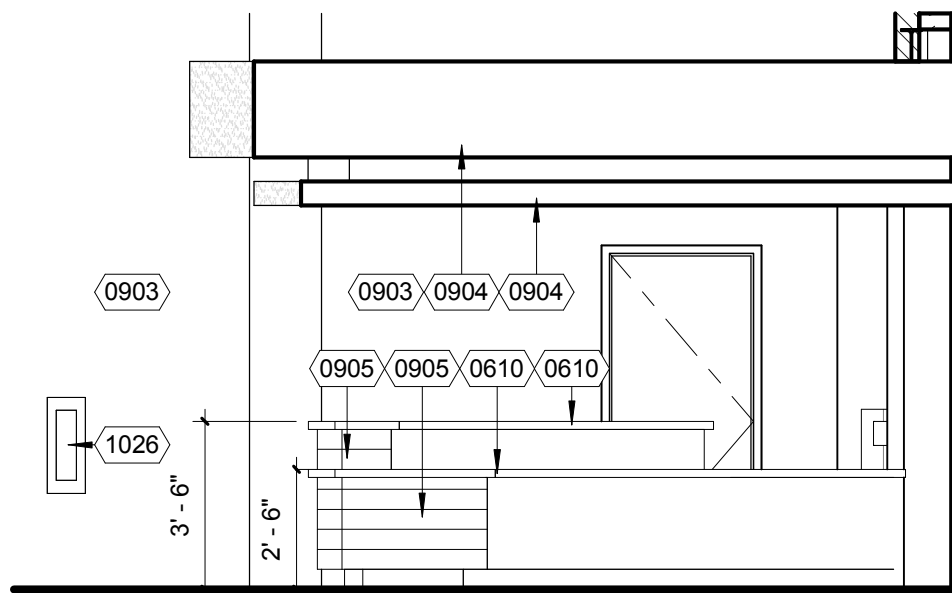
THEATER LOBBY CONSESSION STAND T141
- WEST ELEVATION 22
1/4" = 1'-0"



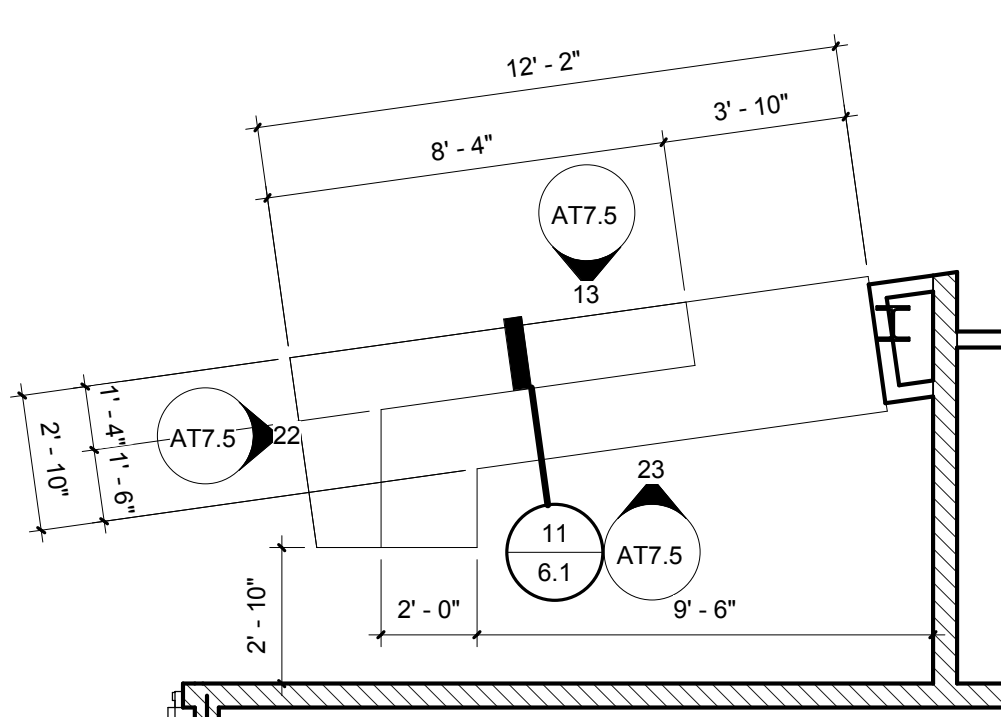
CHORAL T172 - SOUTH ELEVATION 14
1/4" = 1'-0"



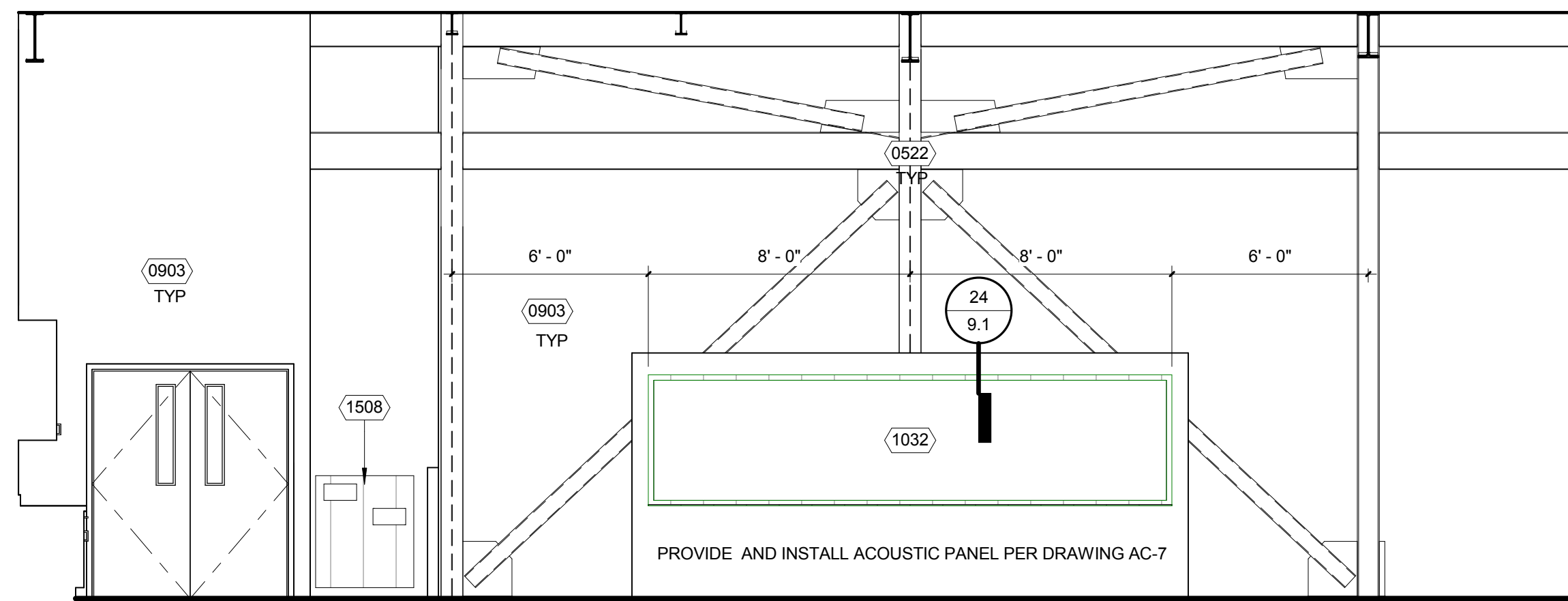
BAND T176 - EAST ELEVATION 2
1/4" = 1'-0"



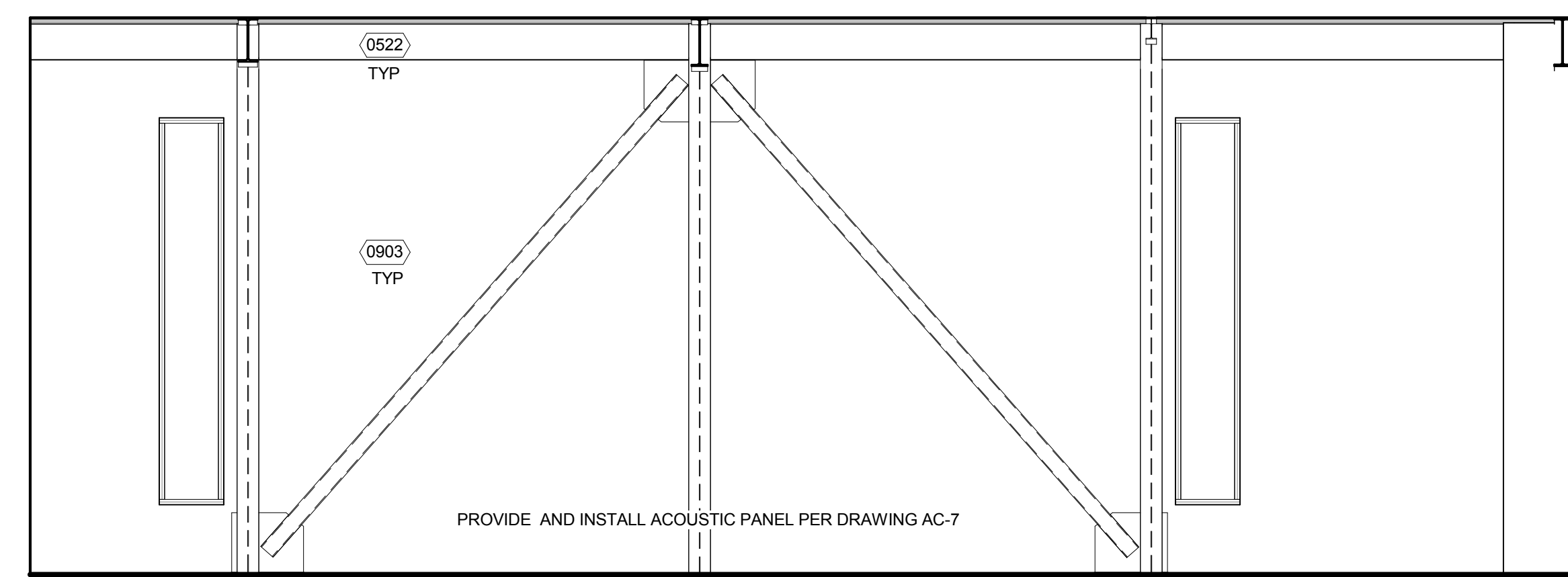
THEATER LOBBY CONSESSION STAND T141
- SOUTH ELEVATION 23
1/4" = 1'-0"



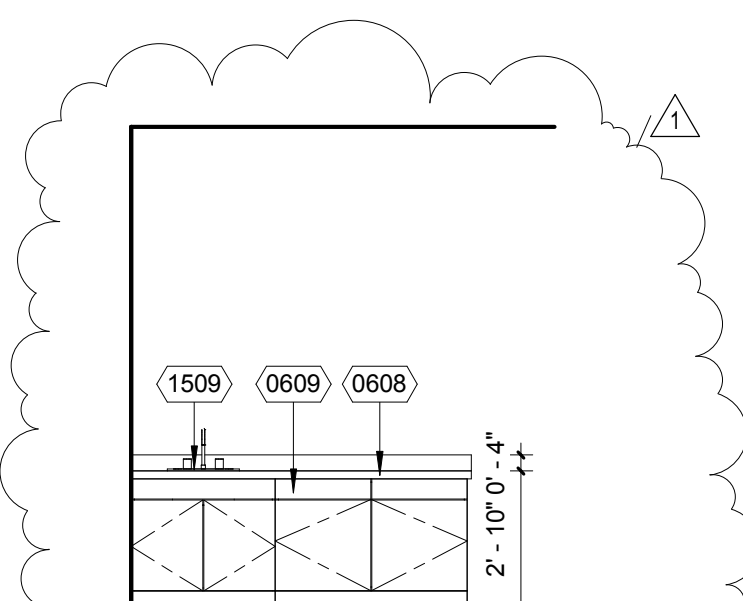
T140 - THEATER INFORMATION COUNTER 19
1/4" = 1'-0"



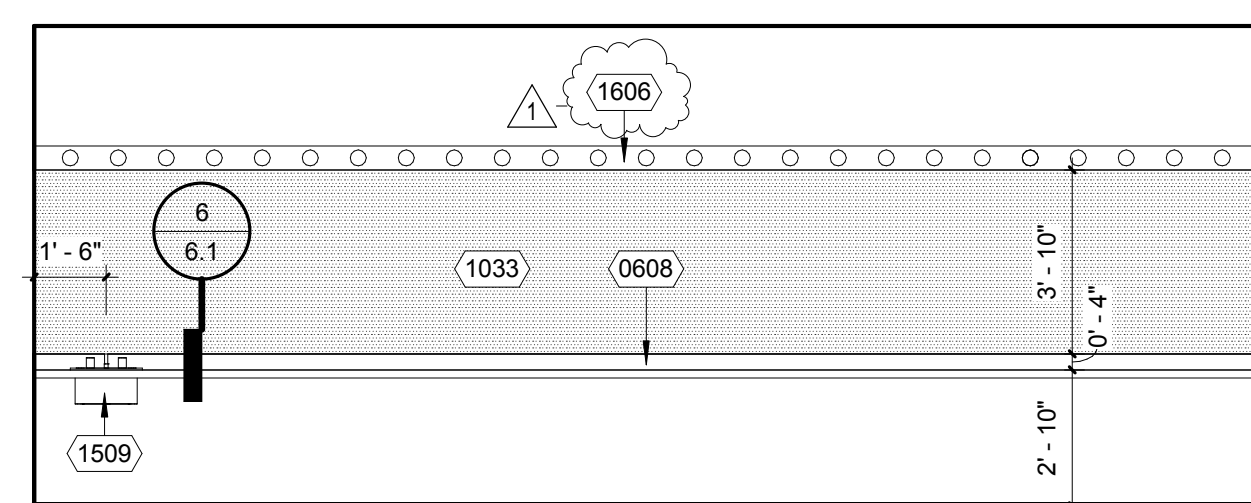
CHORAL T172 - WEST ELEVATION 11
1/4" = 1'-0"



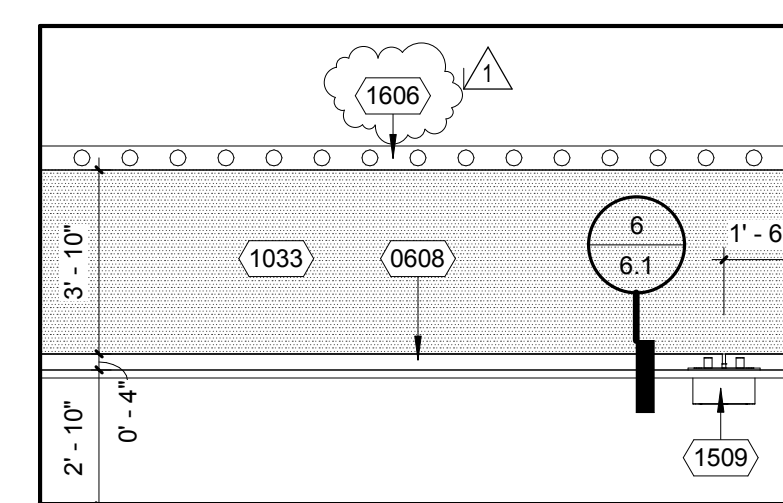
CHORAL T172 - EAST ELEVATION 3
1/4" = 1'-0"



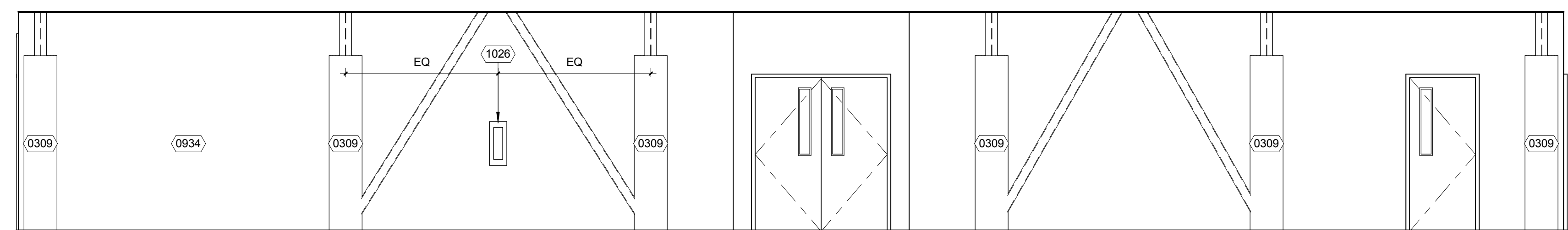
STORAGE T174 - WEST 24
1/4" = 1'-0"



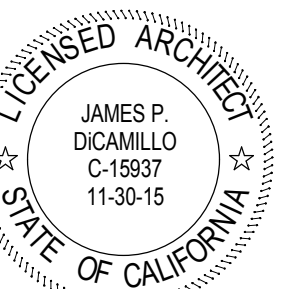
DRESSING T161 - EAST ELEVATION 20
1/4" = 1'-0"



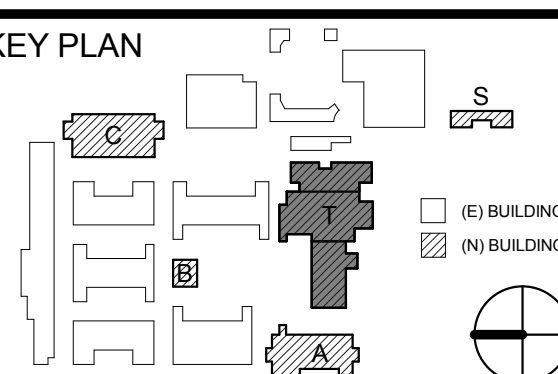
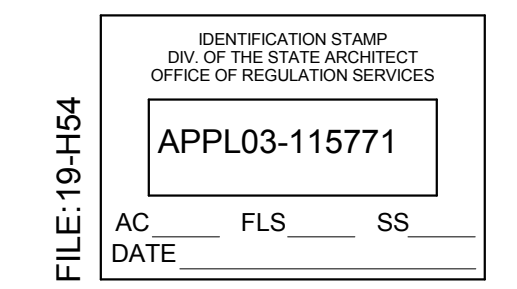
DRESSING T160 - EAST ELEVATION 16
1/4" = 1'-0"



HALLWAY T108 - EAST ELEVATION 4
1/4" = 1'-0"



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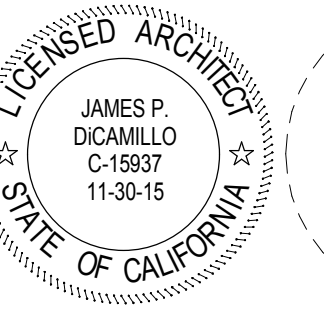
REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: 1/4" = 1'-0"
PROJECT NUMBER: 1310700

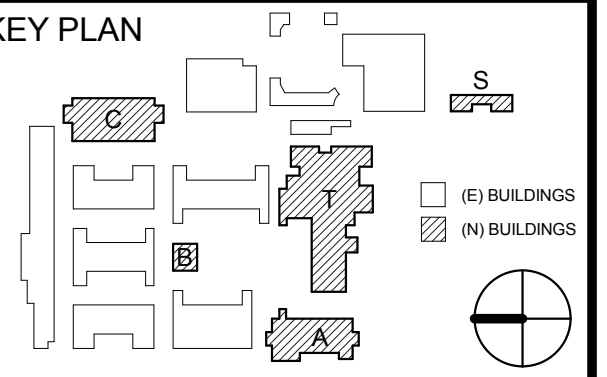
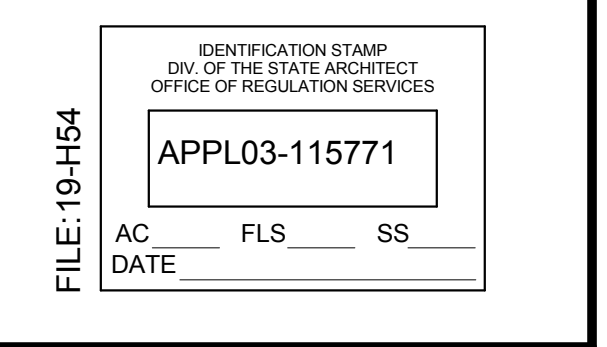
THTR / CAFE / MPR
BUILDING T INTERIOR
ELEVATIONS

DRAWING NUMBER: **AT7.5**

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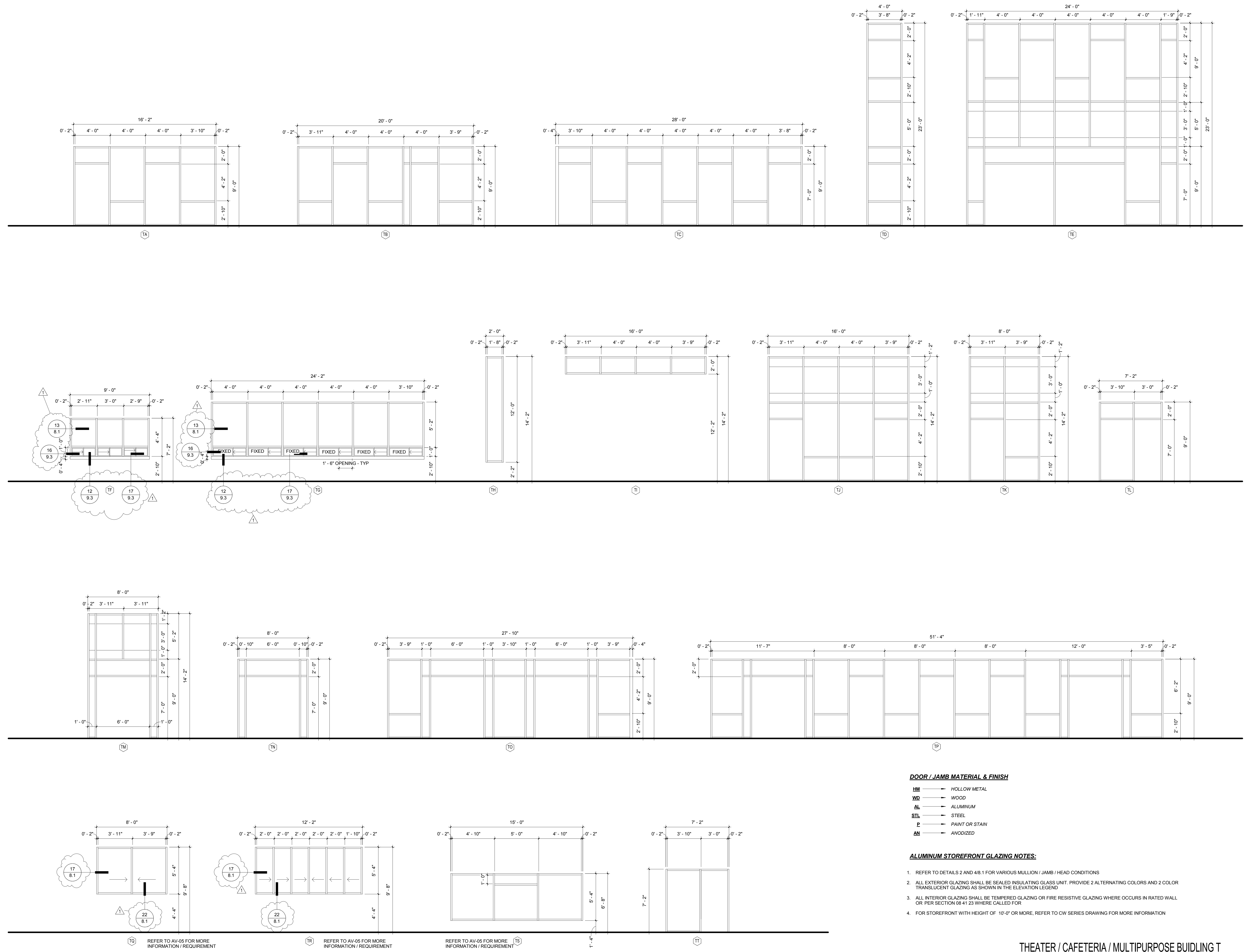
REVISION SCHEDULE		
NO	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: As indicated
PROJECT NUMBER: 1310700

**THTR / CAFE / MPR
BUILDING T FRAME
AND WINDOW LEGEND**

DRAWING NUMBER: **AT8.2**

3/29/2016 11:22:41 AM



DOOR / JAMB MATERIAL & FINISH

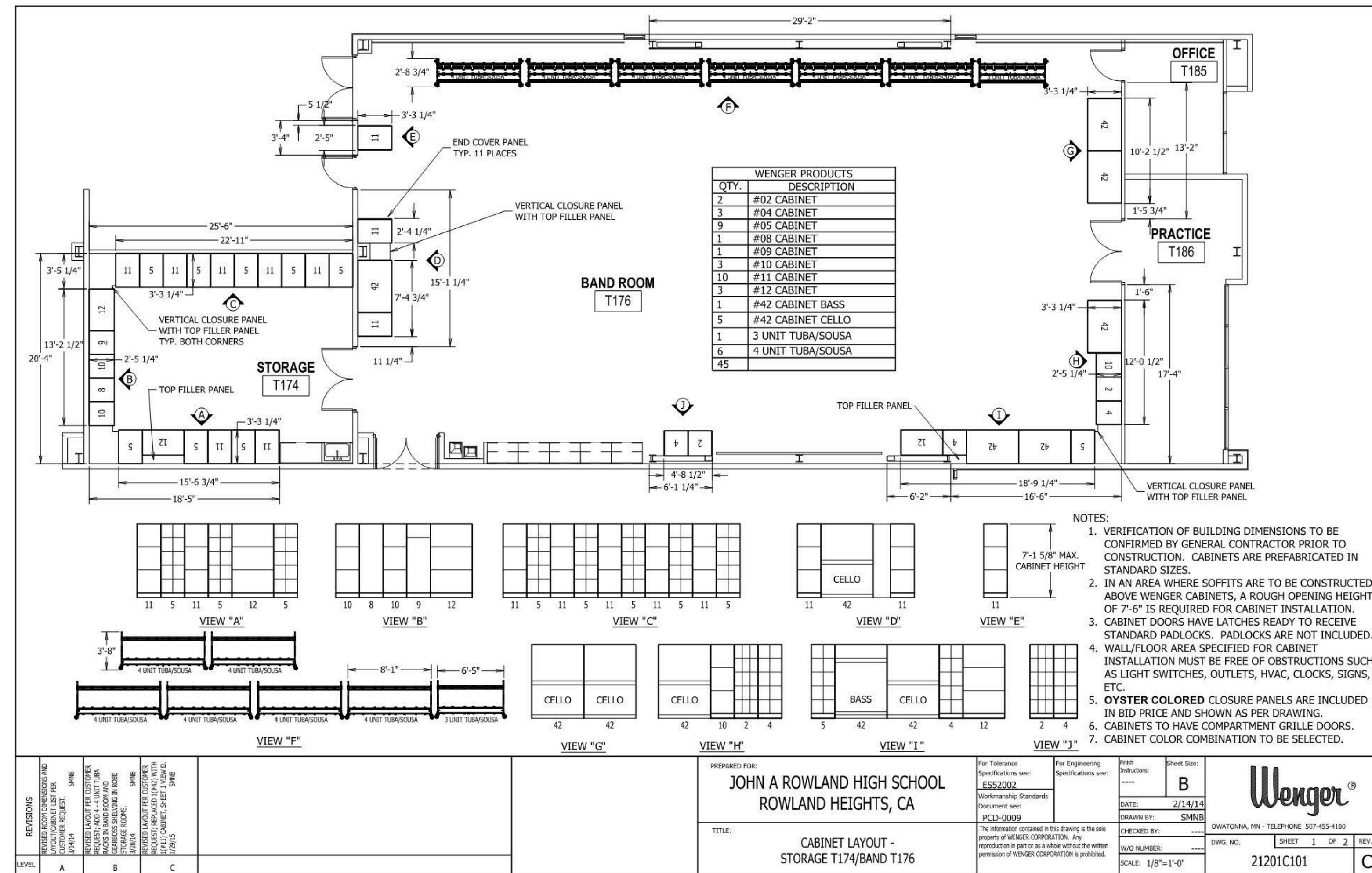
- HM → HOLLOW METAL
- WD → WOOD
- AL → ALUMINUM
- STL → STEEL
- P → PAINT OR STAIN
- AN → ANODIZED

ALUMINUM STOREFRONT GLAZING NOTES:

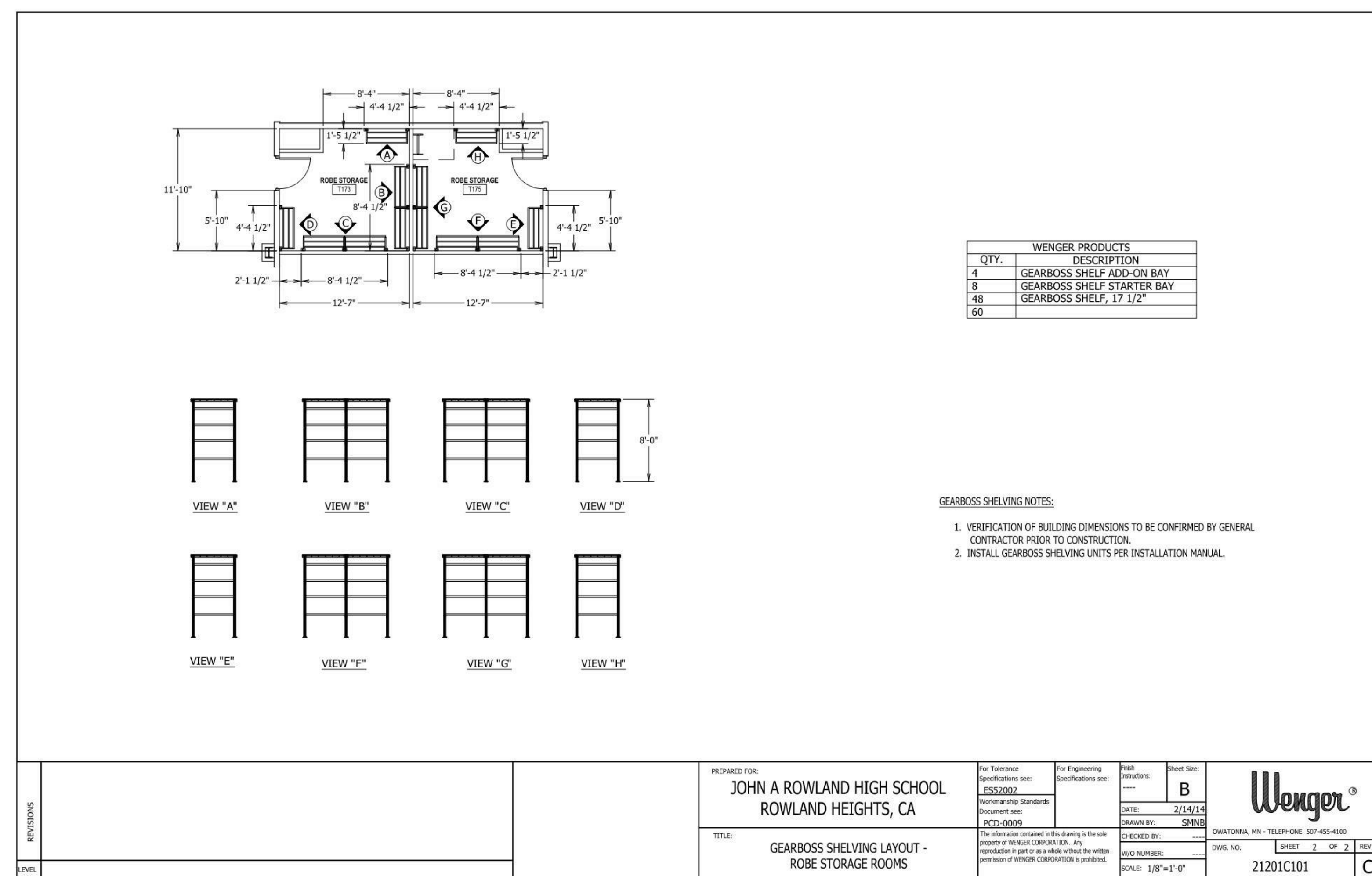
- REFER TO DETAILS 2 AND 48.1 FOR VARIOUS MULLION / JAMB / HEAD CONDITIONS
- ALL EXTERIOR GLAZING SHALL BE SEALED INSULATING GLASS UNIT. PROVIDE 2 ALTERNATING COLORS AND 2 COLOR TRANSLUCENT GLAZING AS SHOWN IN THE ELEVATION LEGEND.
- ALL INTERIOR GLAZING SHALL BE TEMPERED GLAZING OR FIRE RESISTIVE GLAZING WHERE OCCURS IN RATED WALL OR PER SECTION 08 41 23 WHERE CALLED FOR
- FOR STOREFRONT WITH HEIGHT OF 10'-0" OR MORE, REFER TO CW SERIES DRAWING FOR MORE INFORMATION

THEATER / CAFETERIA / MULTIPURPOSE BUILDING T
FRAME AND WINDOW TYPES

1/4" = 1'-0"



BAND ROOM STORAGE LAYOUT & ELEVATIONS 12" = 1'-0" 14



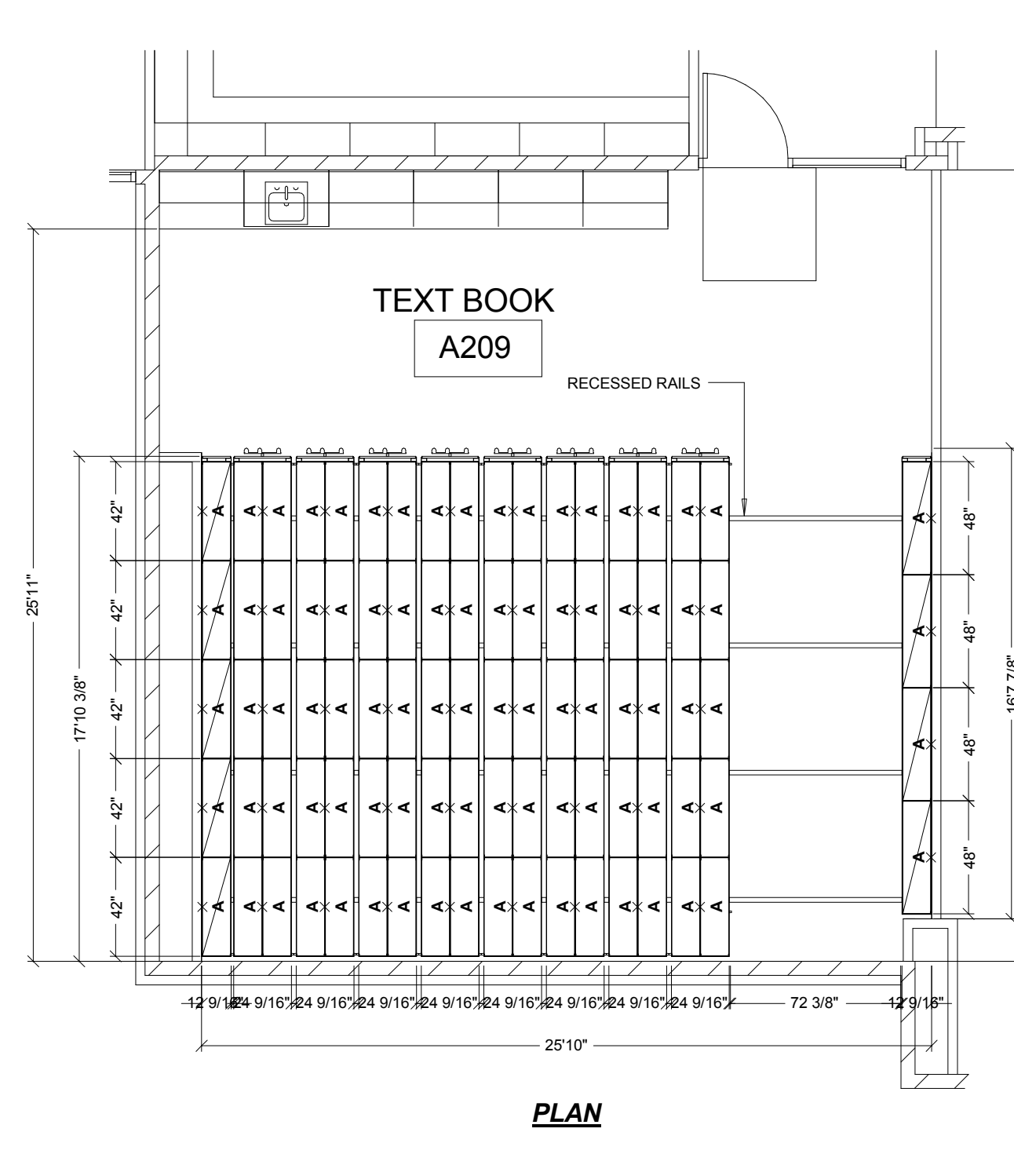
ROBE STORAGE LAYOUT & ELEVATIONS 12" = 1'-0" 16

Please note critical dimensions. McMurtry-Stern is not responsible for deviations from critical dimensions shown. Customer and/or contractor to adhere to critical dimensions. All dimensions within () symbol are critical dimensions.

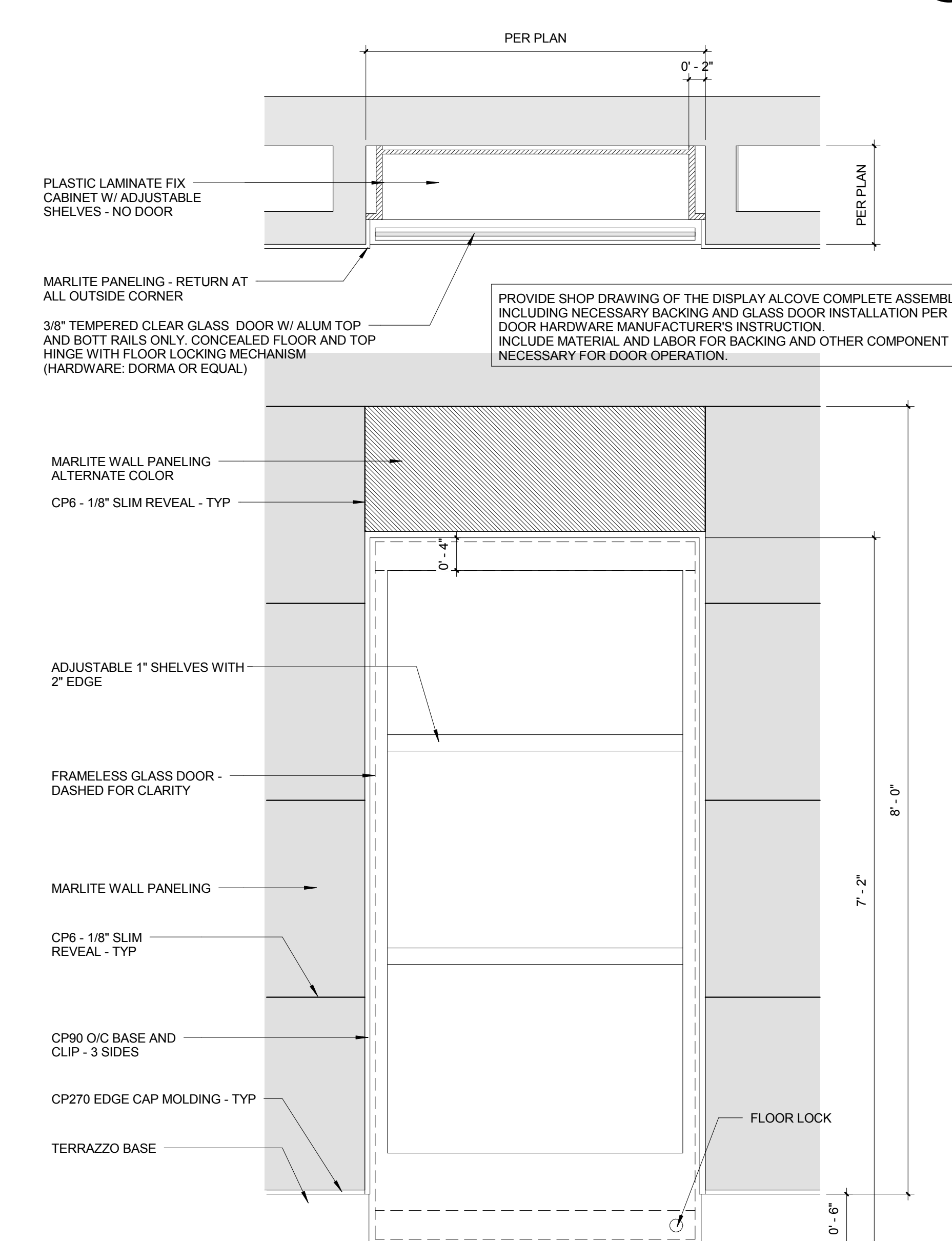
Media weight based on 2010 California Building Code.

Paper Media:
 12 inch deep shelf: 33 lbs per linear foot (2.75ba/LF)
 15 inch deep shelf: 41 lbs per linear foot (3.42ba/LF)
 Film Media:
 18 inch deep shelf: 100 lbs per linear foot (8.33ba/LF)
 Other Media:
 20 lbs per cubic foot or 20 lbs per square foot, whichever is less. But not less than actual loads.

Filing Capacity
 TEXT BOOK - A209
 Actual LFI 27.88"
 Nominal LFI 28.27"
 Actual LFF 2324"
 Nominal LFF 2439"
 Include Existing



TEXT BOOK STORAGE LAYOUT & DETAILS 3/16" = 1'-0" 2



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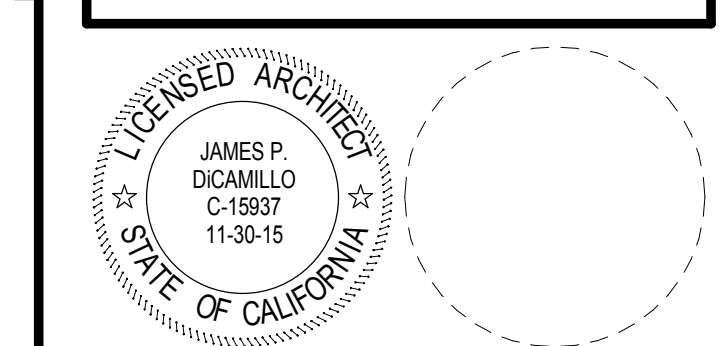
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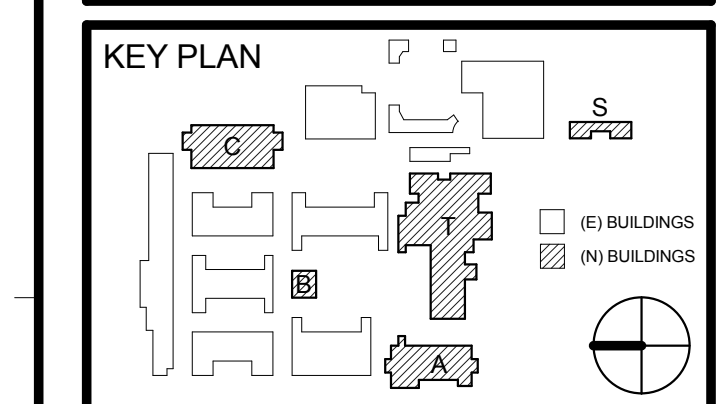
CONSULTANT

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES

APPL03-115771

AC FLS SS

FILE: 19-H54



REVISION SCHEDULE

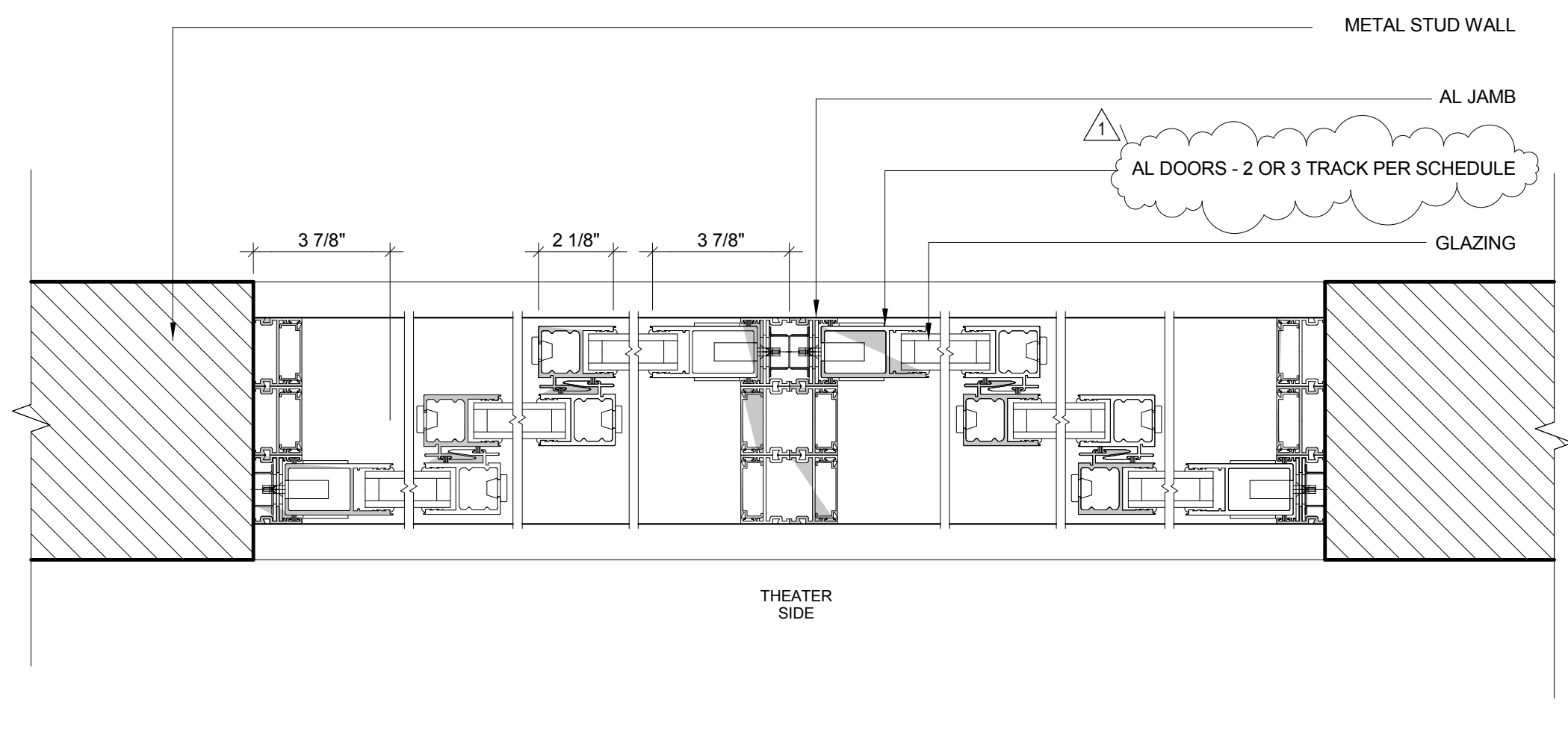
NO.	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

DRWN: SA CHKD: JPD
 DATE: 12/21/2015 SCALE: As indicated
 PROJECT NUMBER: 1310700

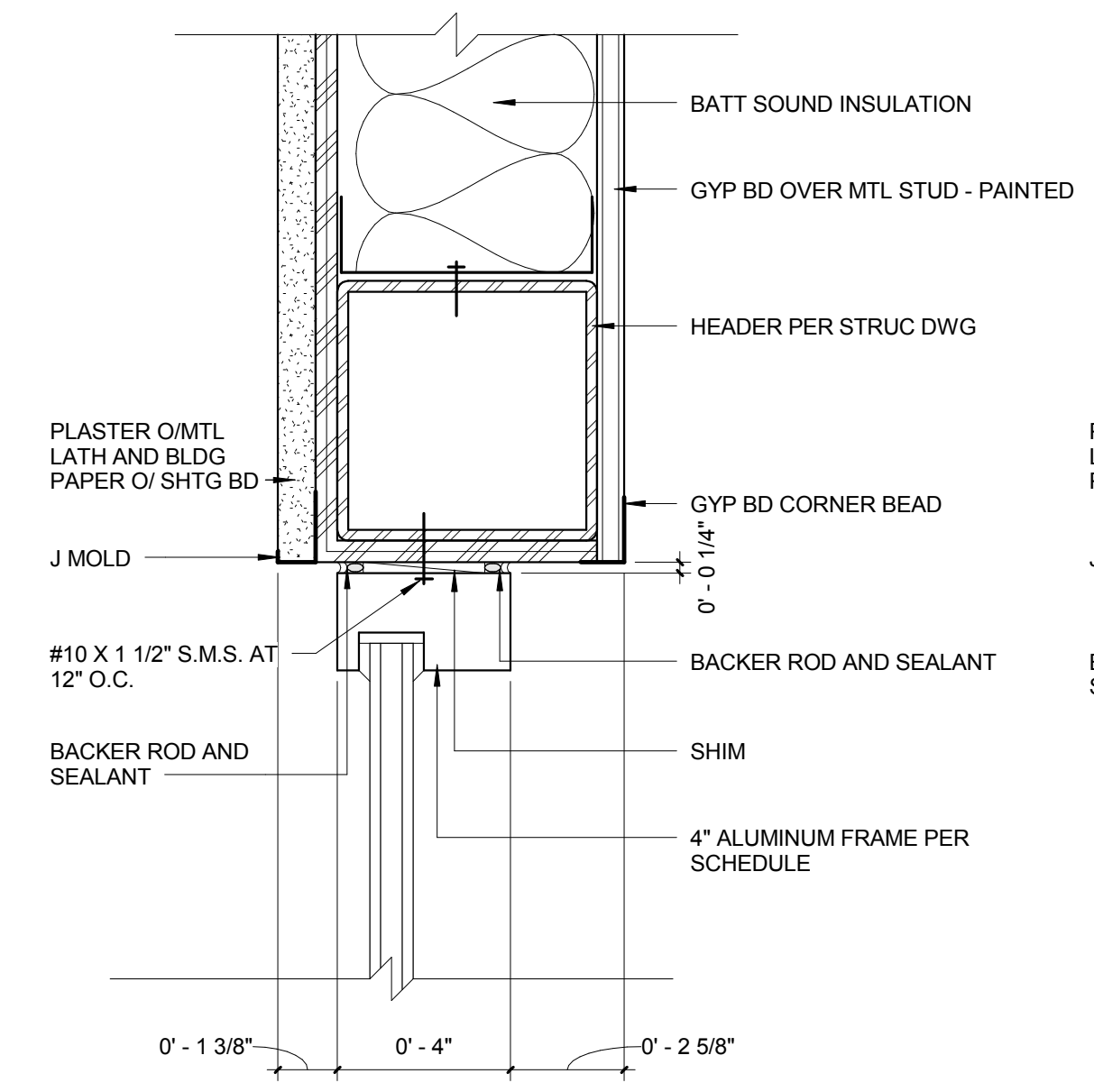
CASEWORK AND MISC DETAILS

DRAWING NUMBER: **6.2**

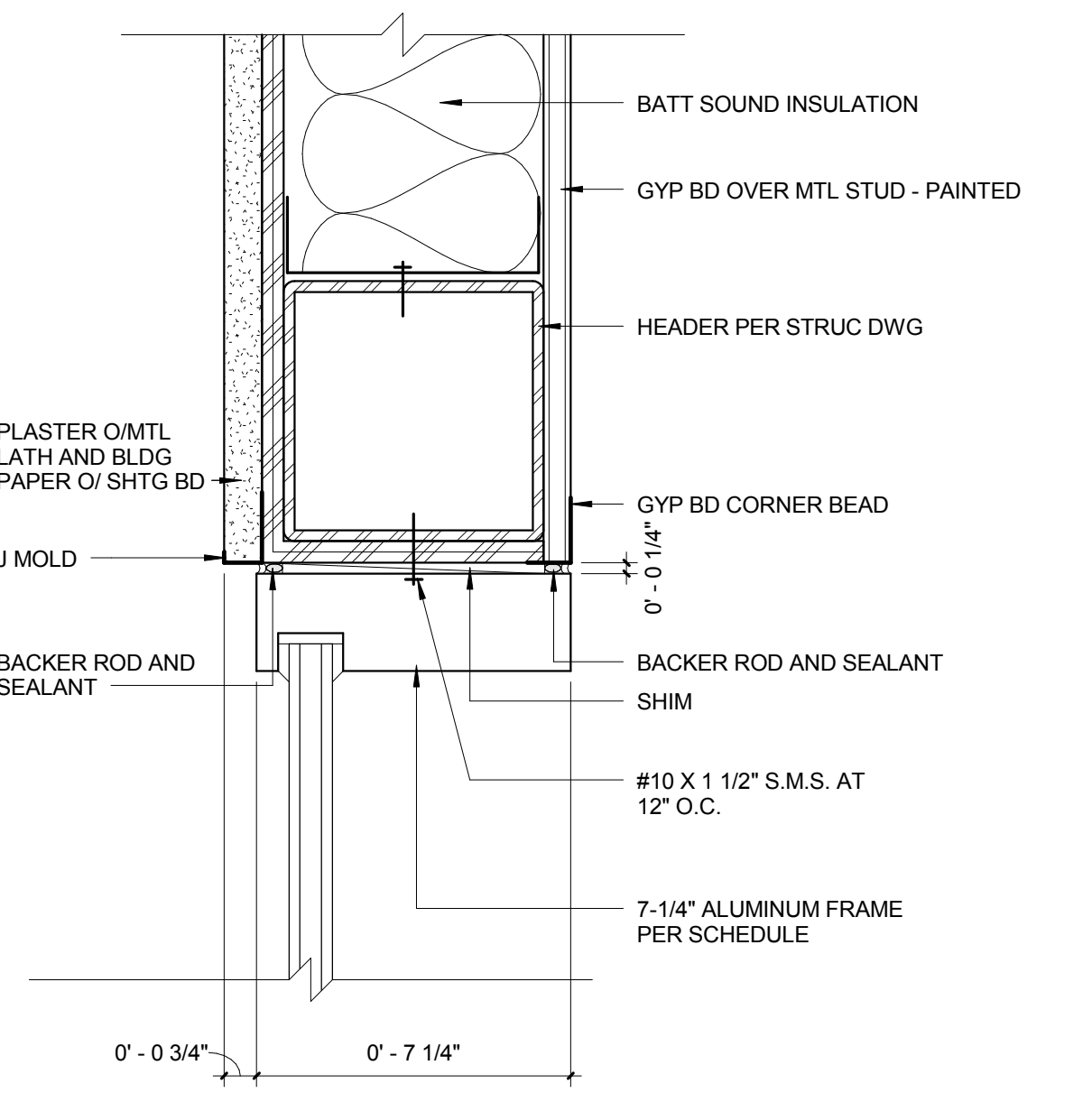
3/29/2016 11:25:34 AM



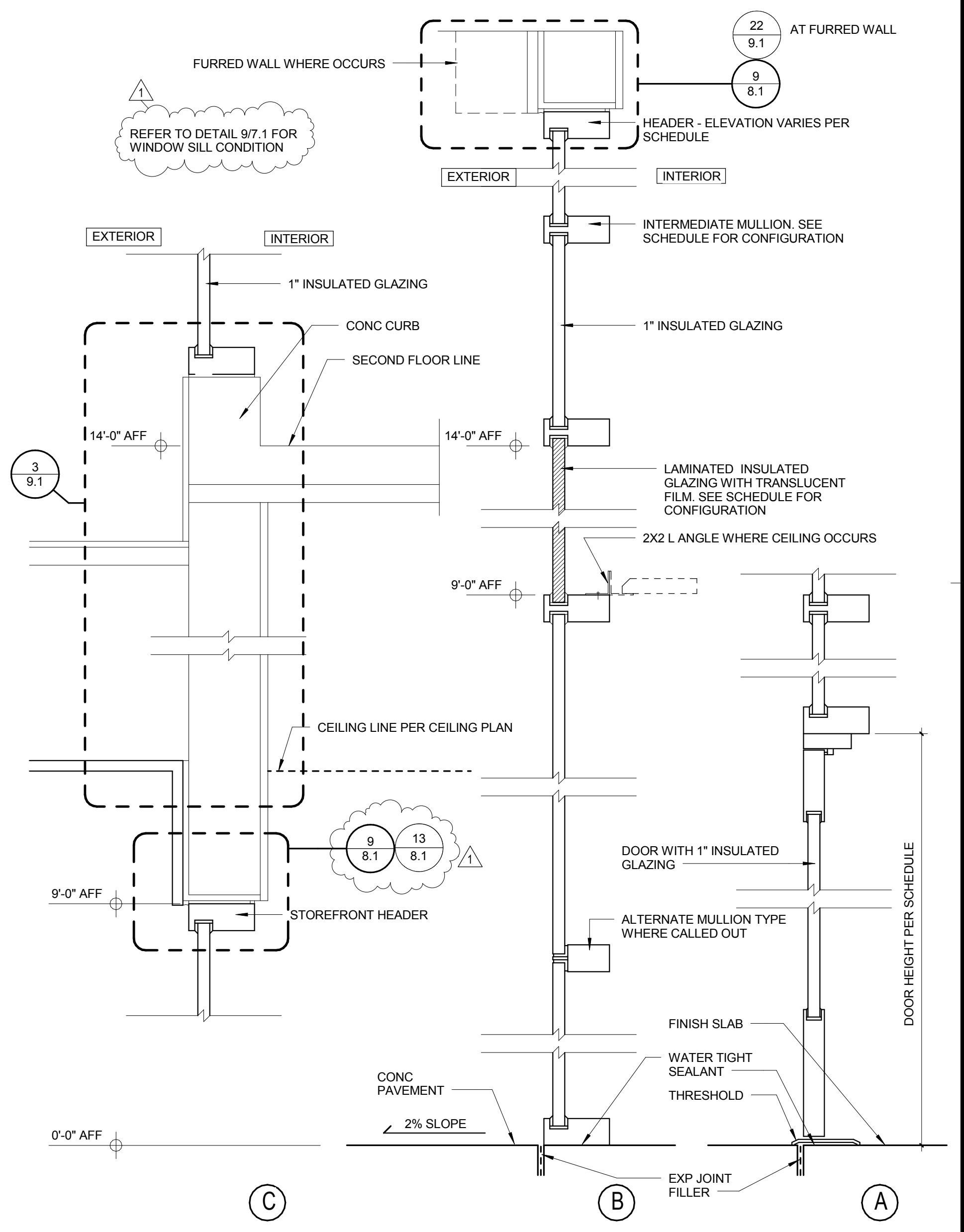
LOCK JAMB AND INTERLOCKERS 17
3" = 1'-0"



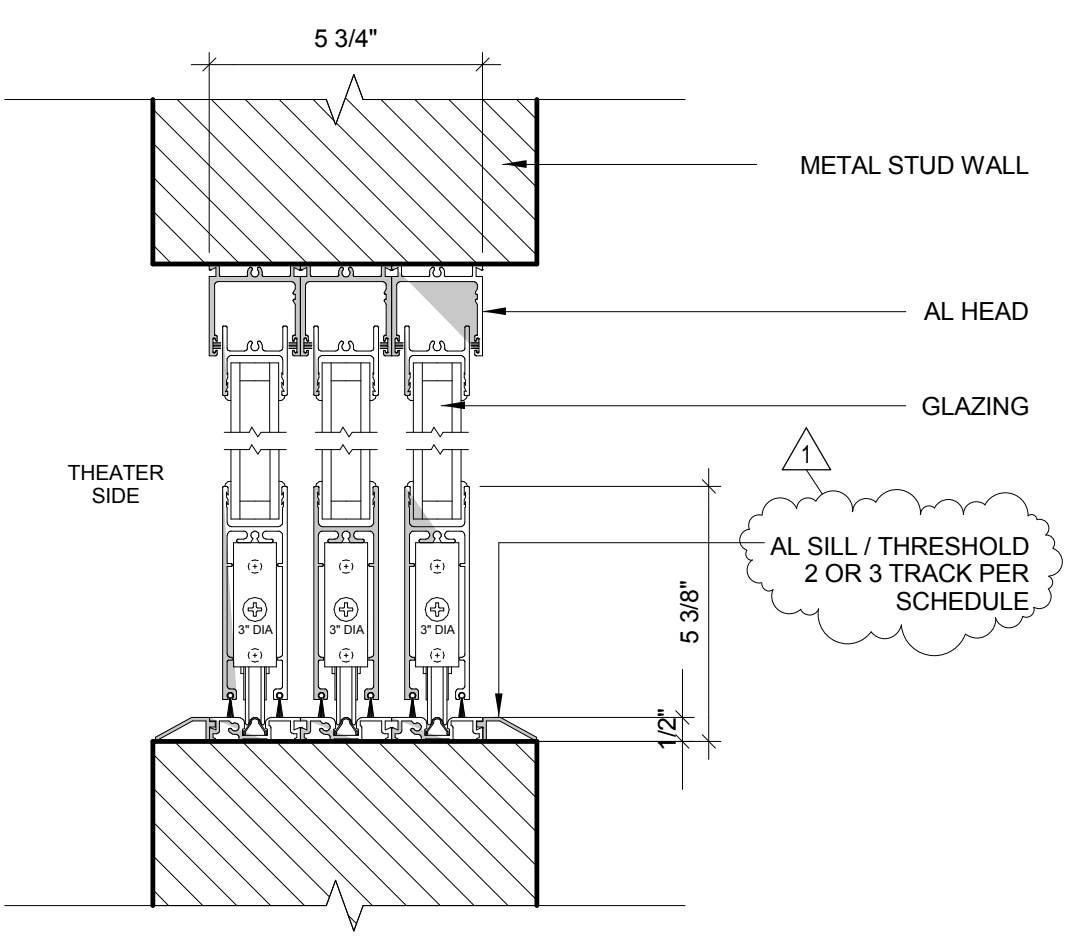
HEADER AT 4" MULLION 13
3" = 1'-0"



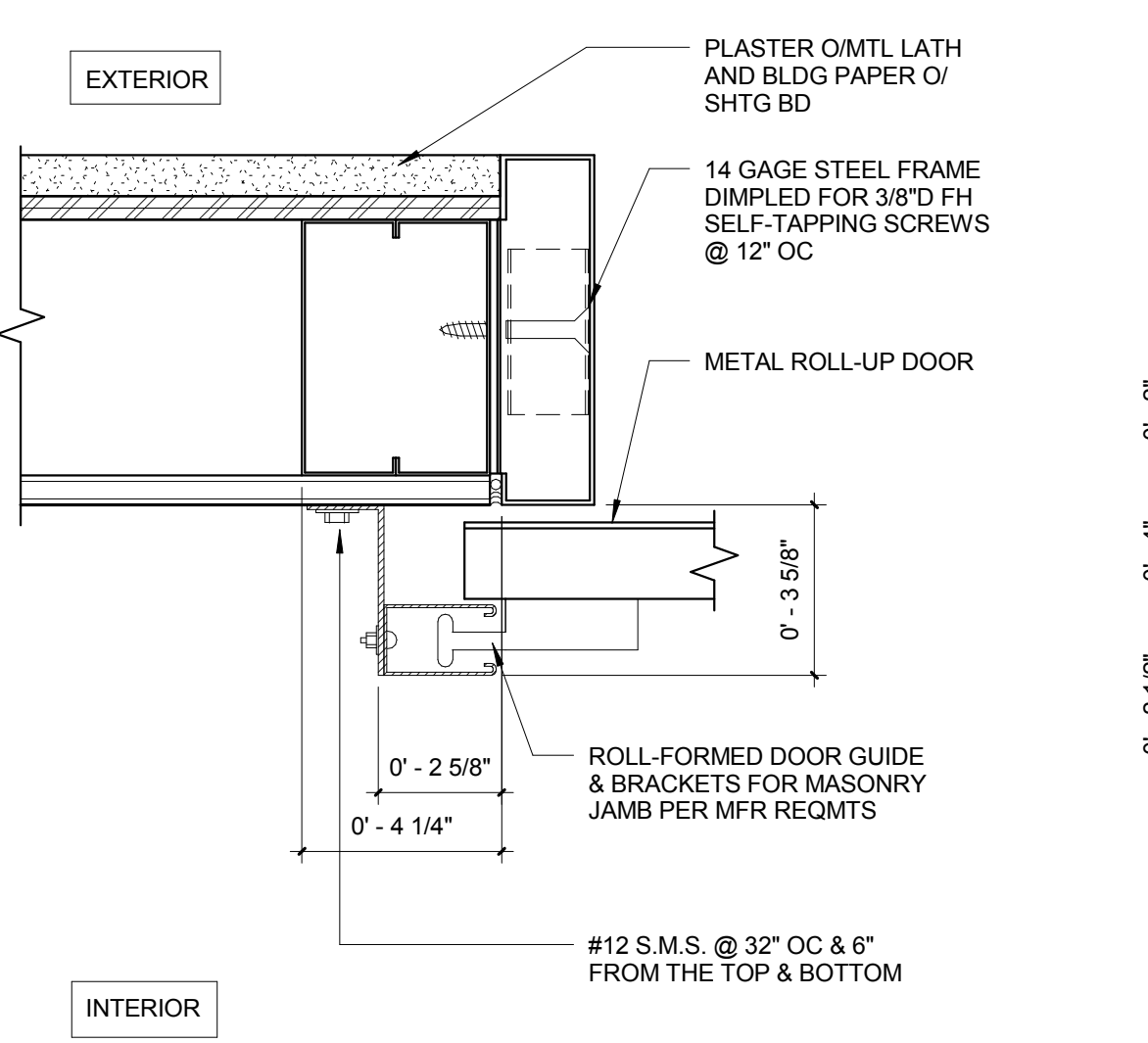
HEADER AT 7.25" MULLION 9
3" = 1'-0"



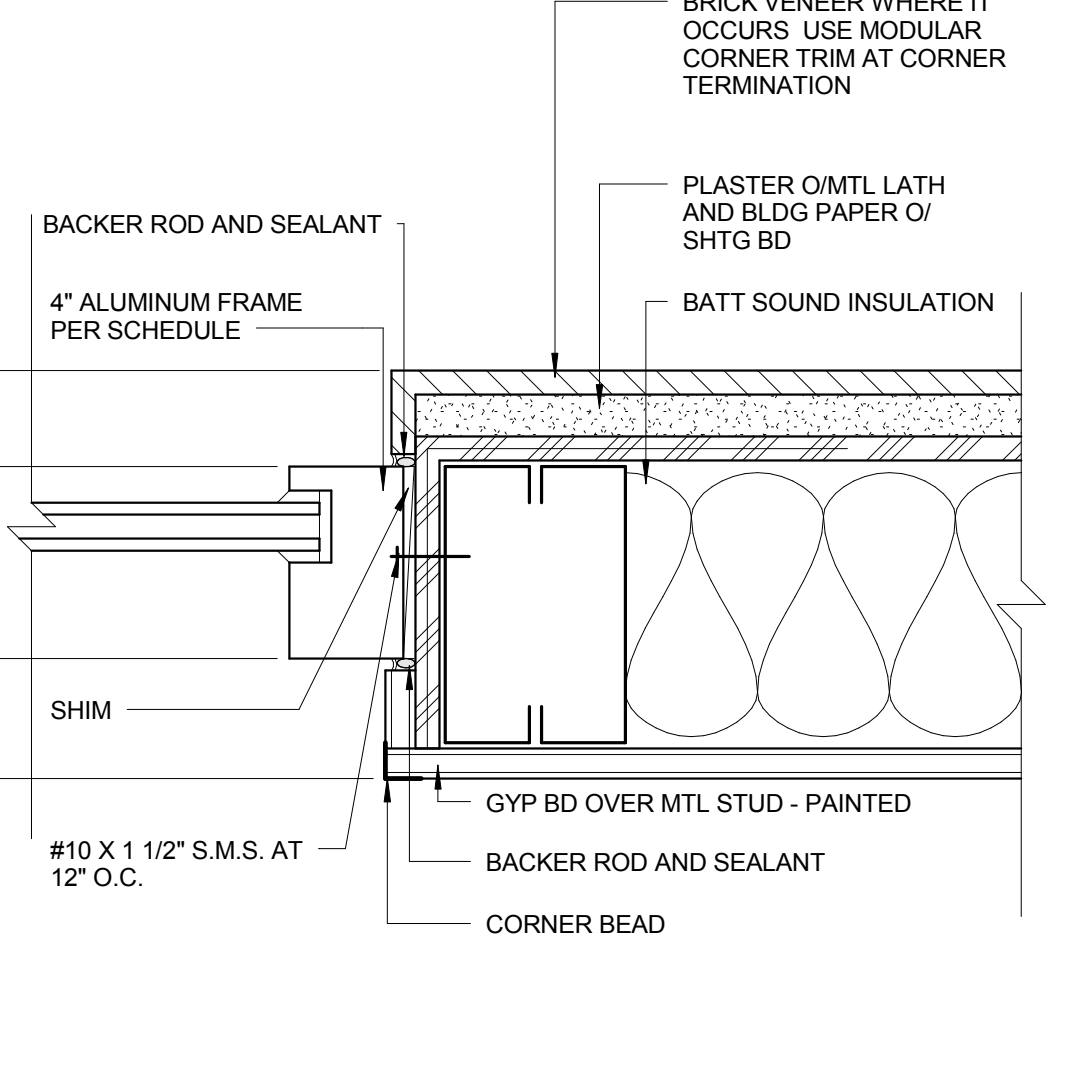
TYP STOREFRONT/CURTAIN WALL VERT SECTIONS 2
1 1/2" = 1'-0"



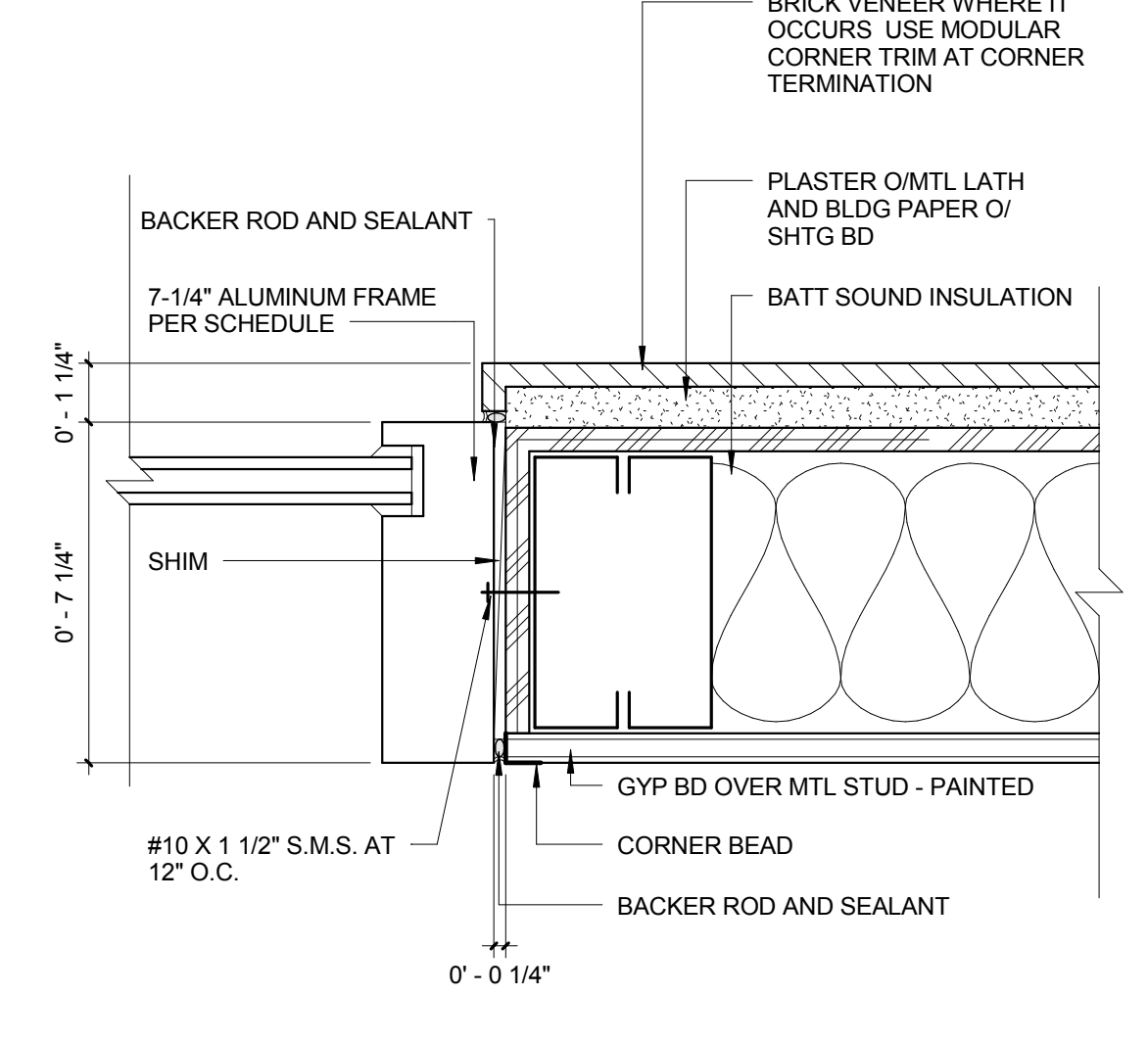
SLIDING WINDOW SECTION 22
3" = 1'-0"



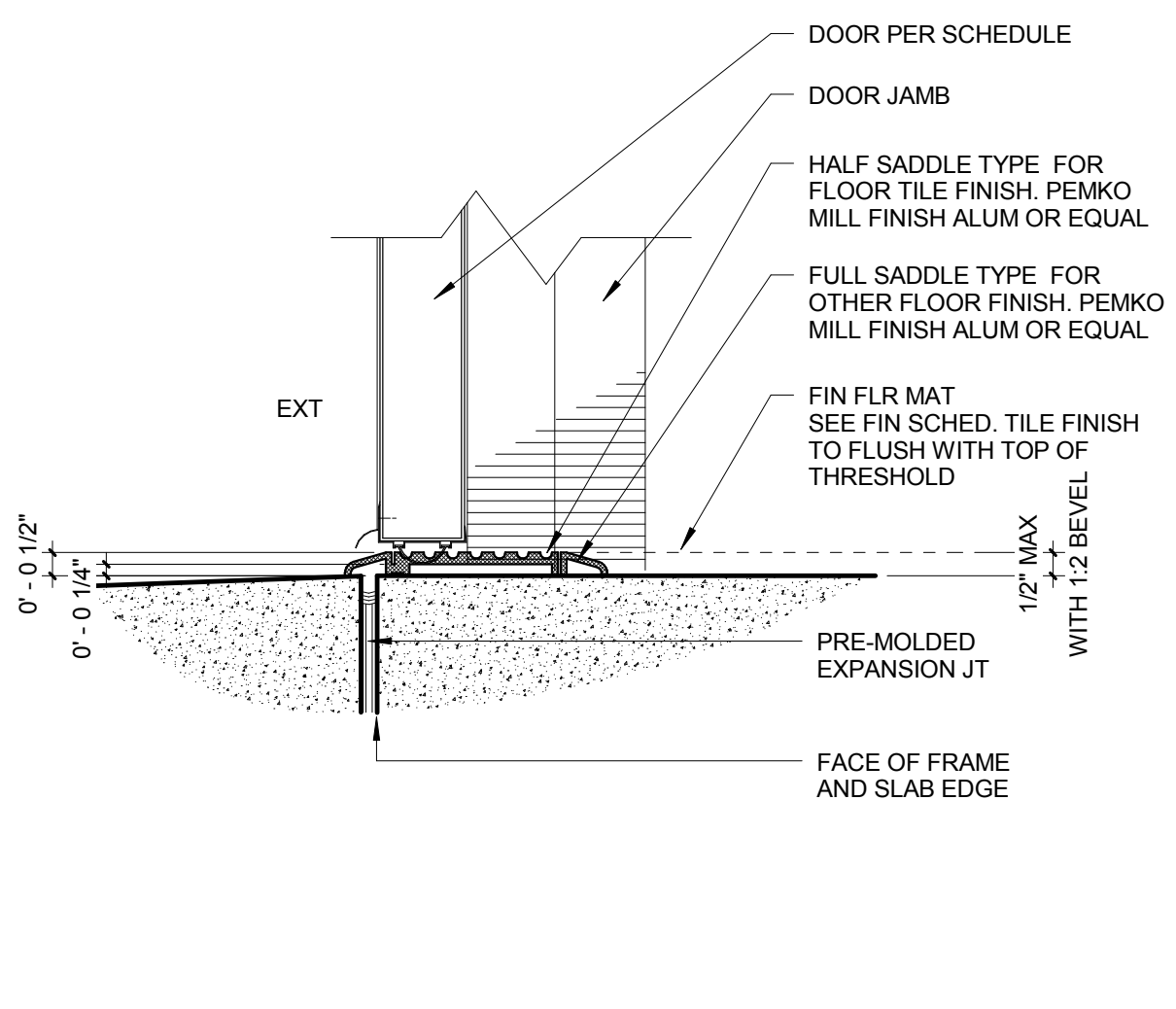
ROLL-UP DOOR JAMB 18
3" = 1'-0"



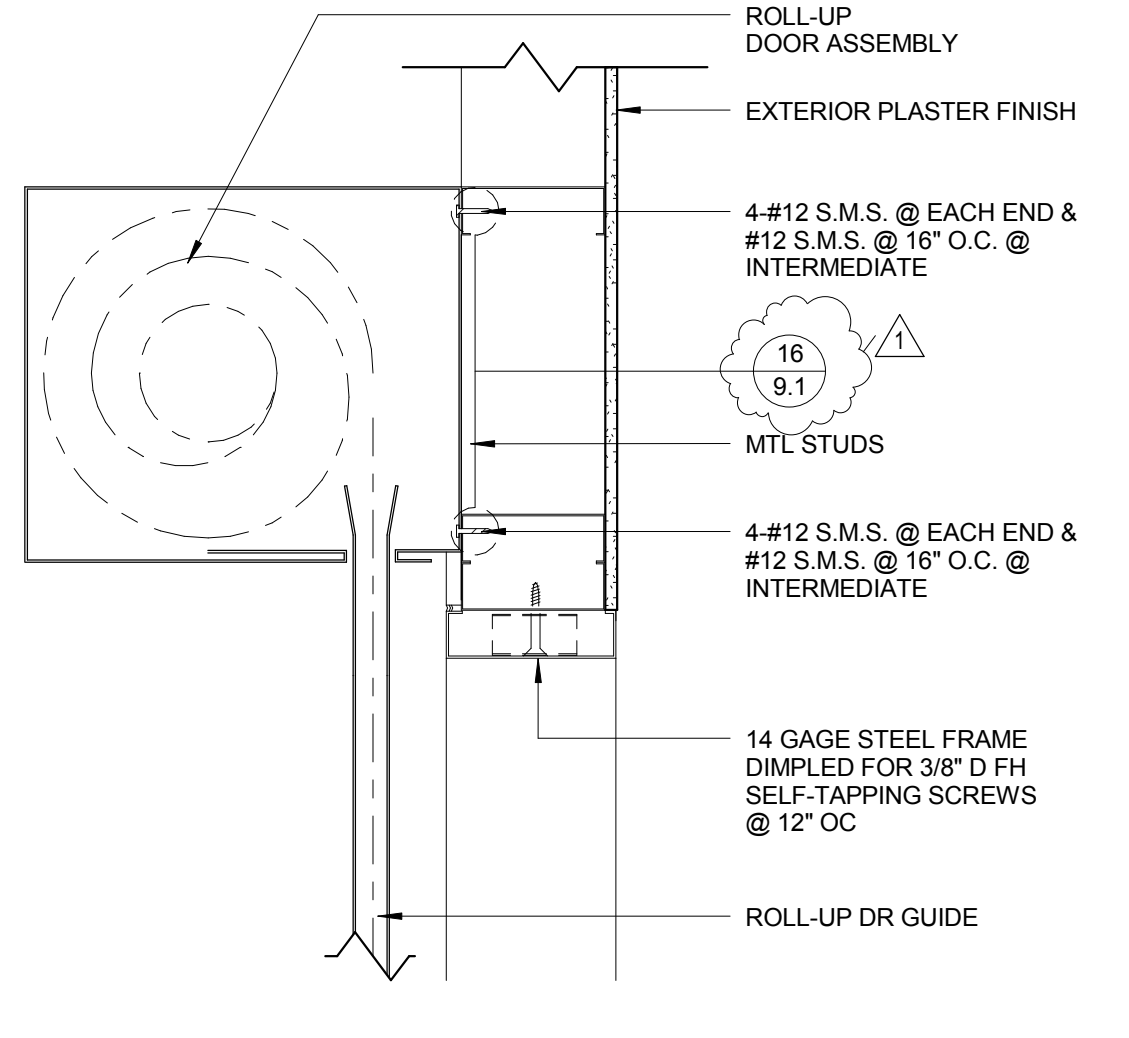
JAMB CONDITION AT 4" MULLION 14
3" = 1'-0"



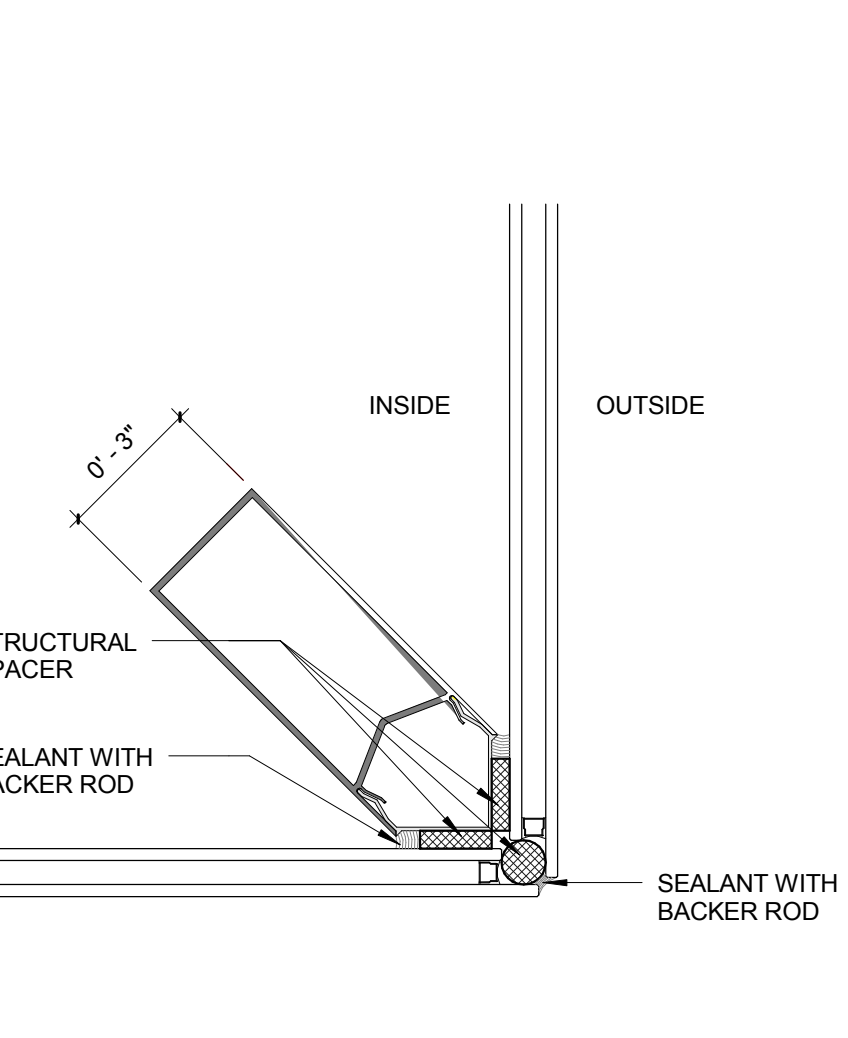
JAMB CONDITION AT 7.25" MULLION 10
3" = 1'-0"



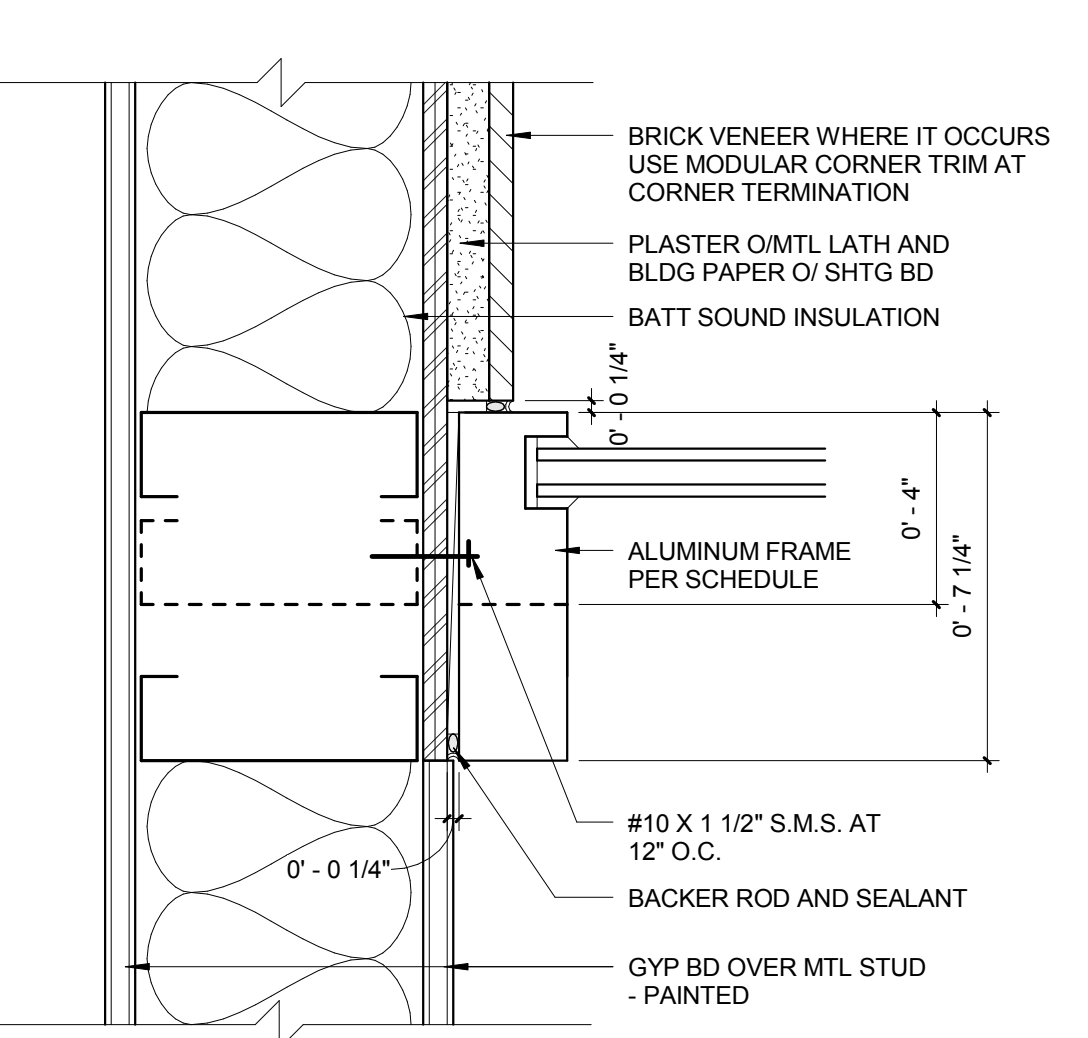
THRESHOLD 23
3" = 1'-0"



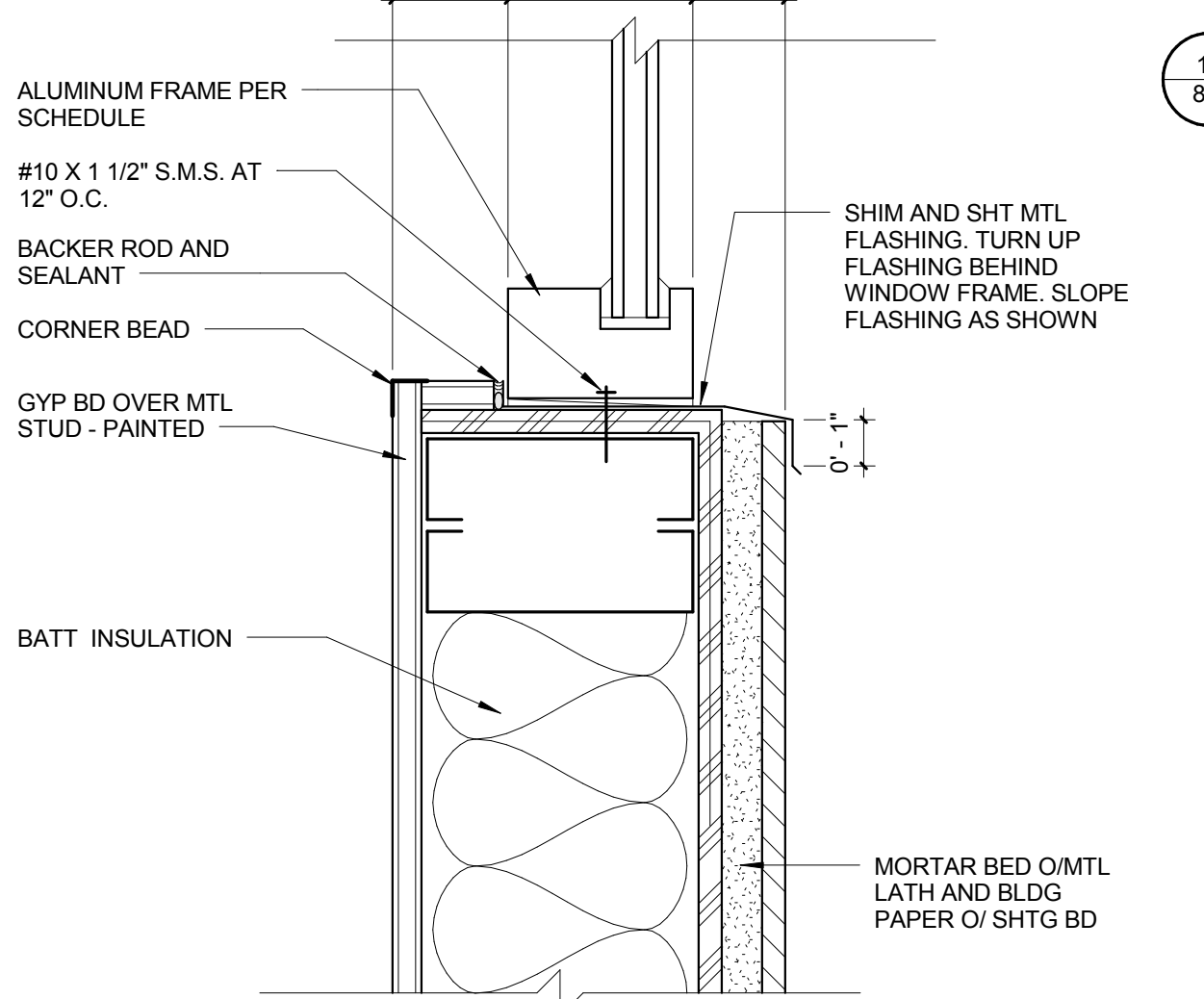
ROLL-UP DOOR HEAD 19
1 1/2" = 1'-0"



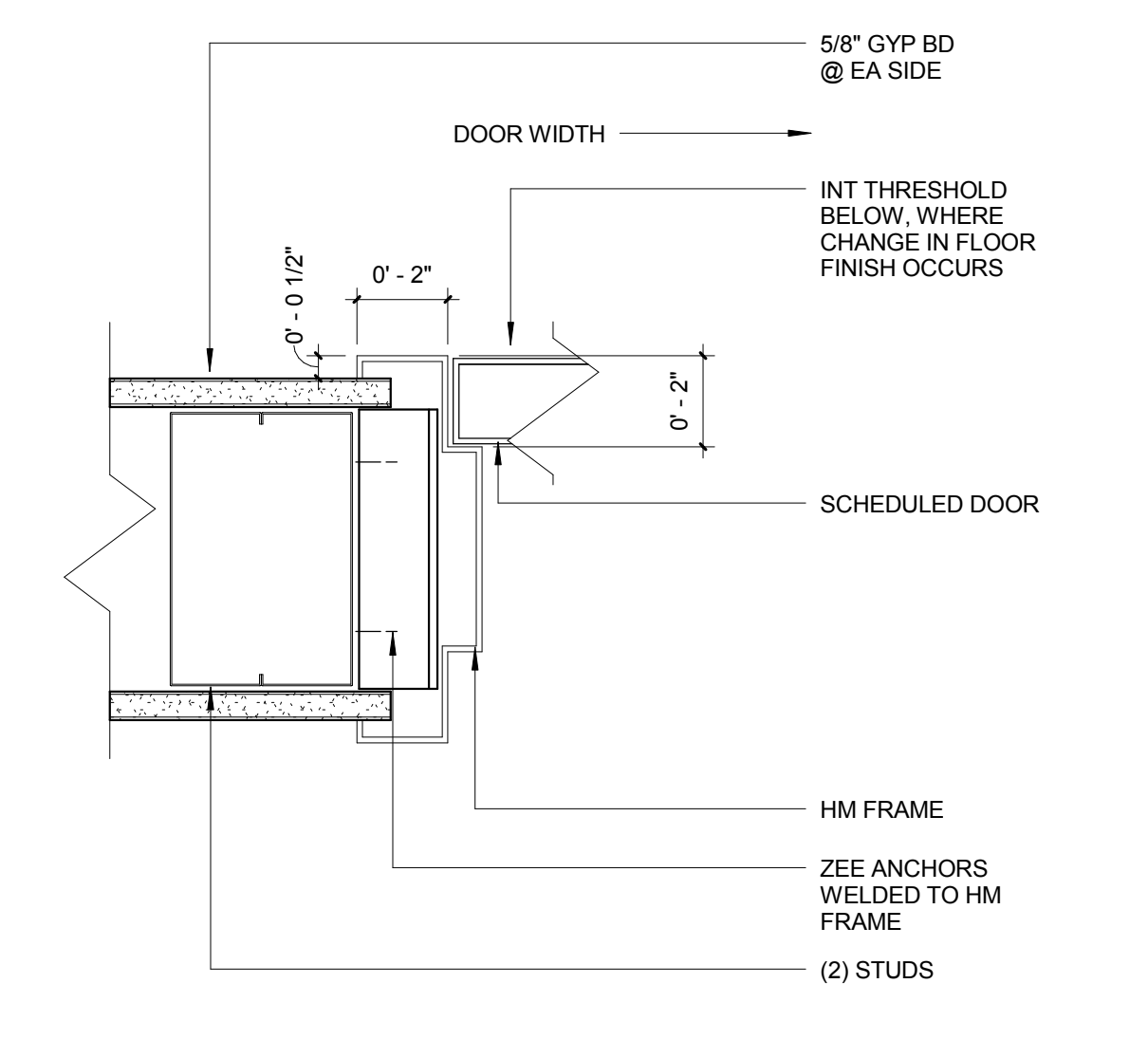
OUTSIDE CORNER MULLION 15
3" = 1'-0"



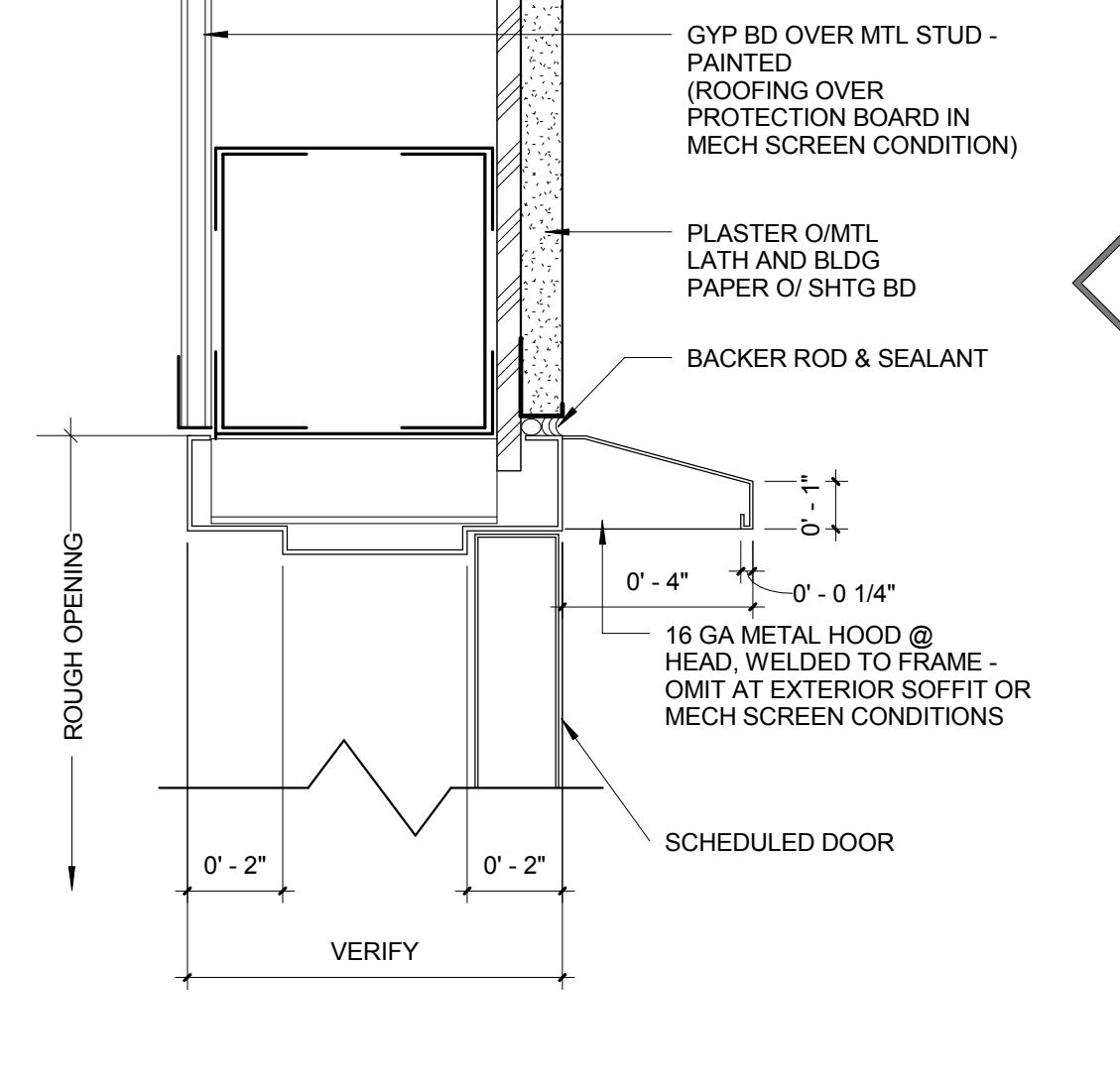
JAMB CONDITION B 11
0'-7 1/4" = 1'-0"



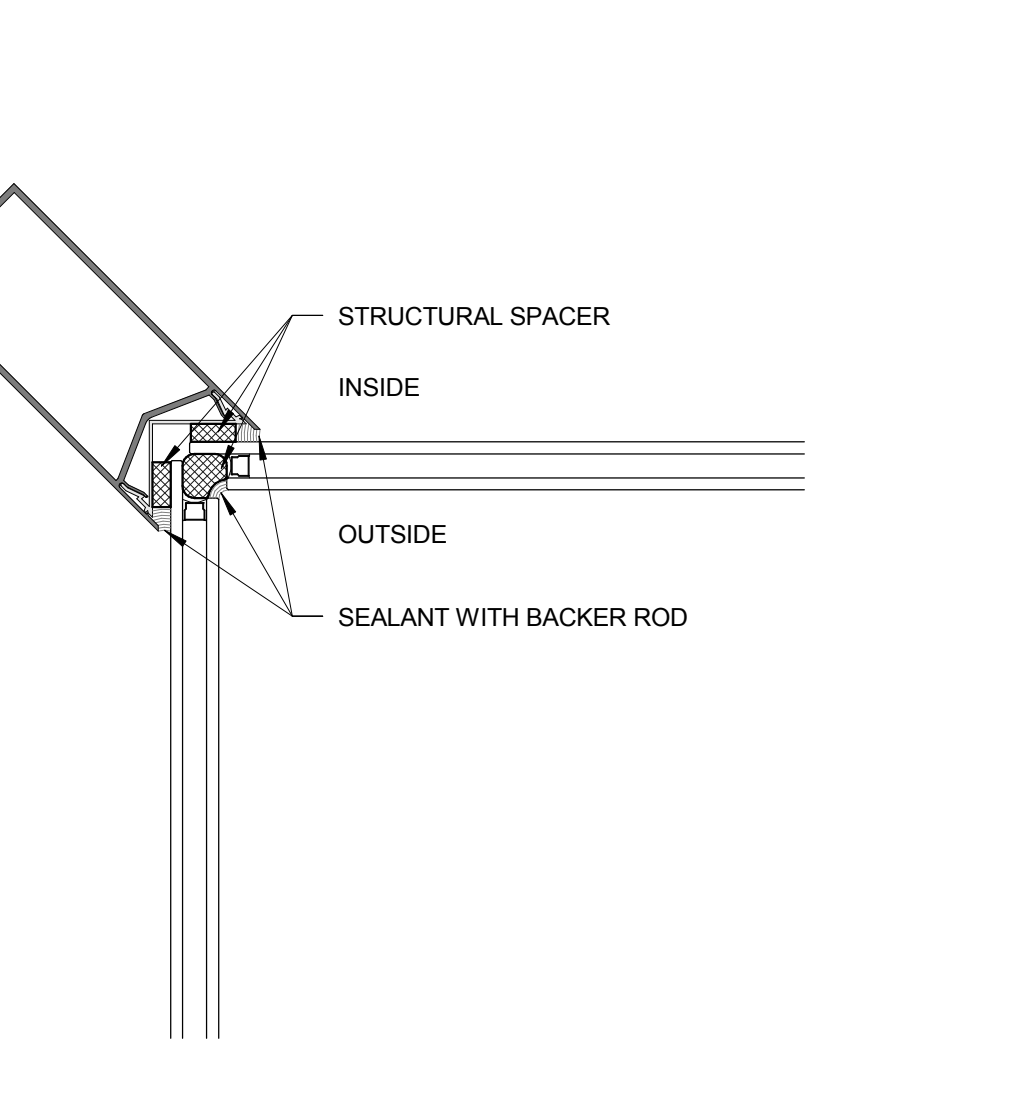
SILL CONDITION AT BRICK VENEER 7
3" = 1'-0"



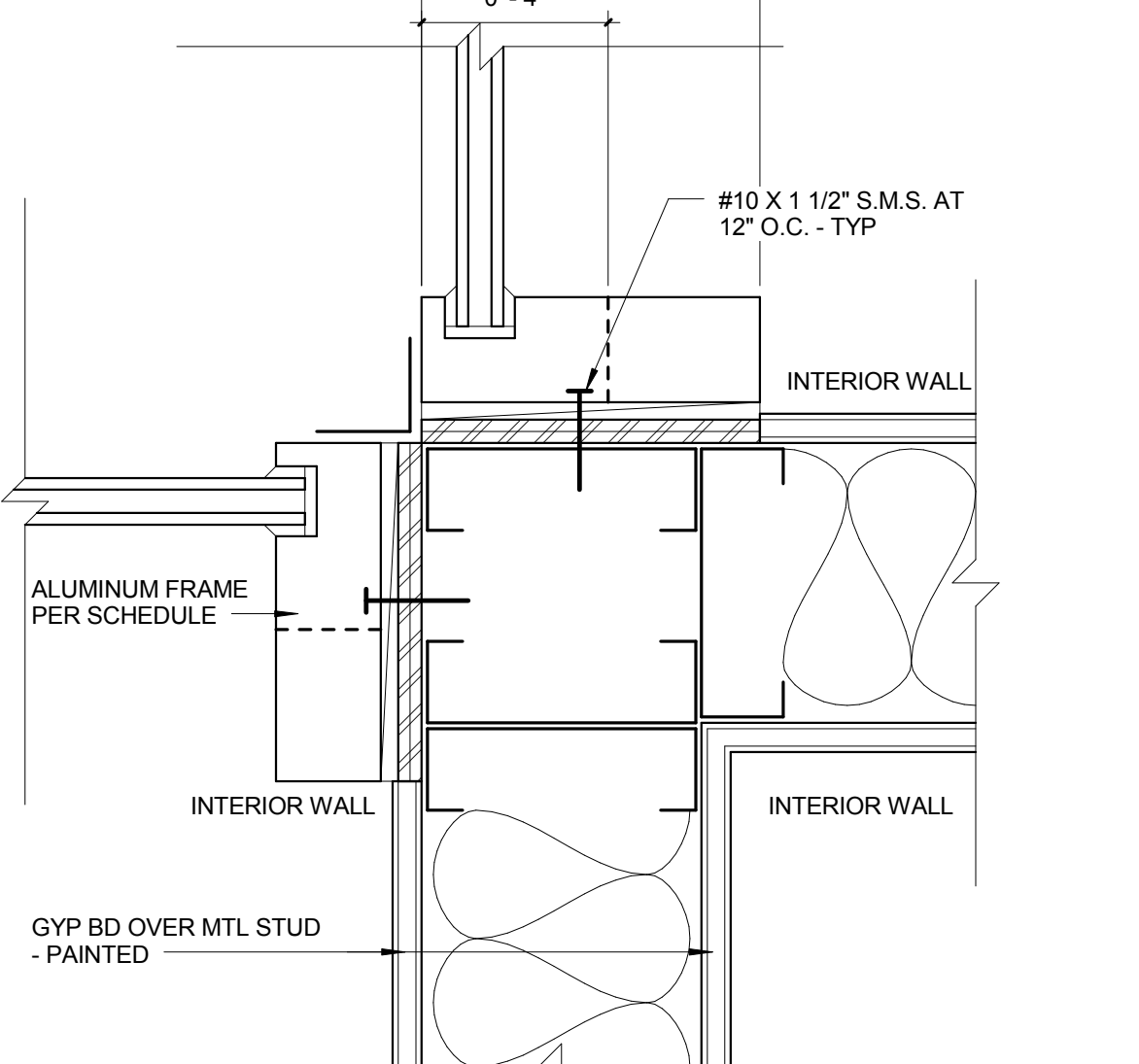
INTERIOR JAMB / HEAD SIM 24
3" = 1'-0"



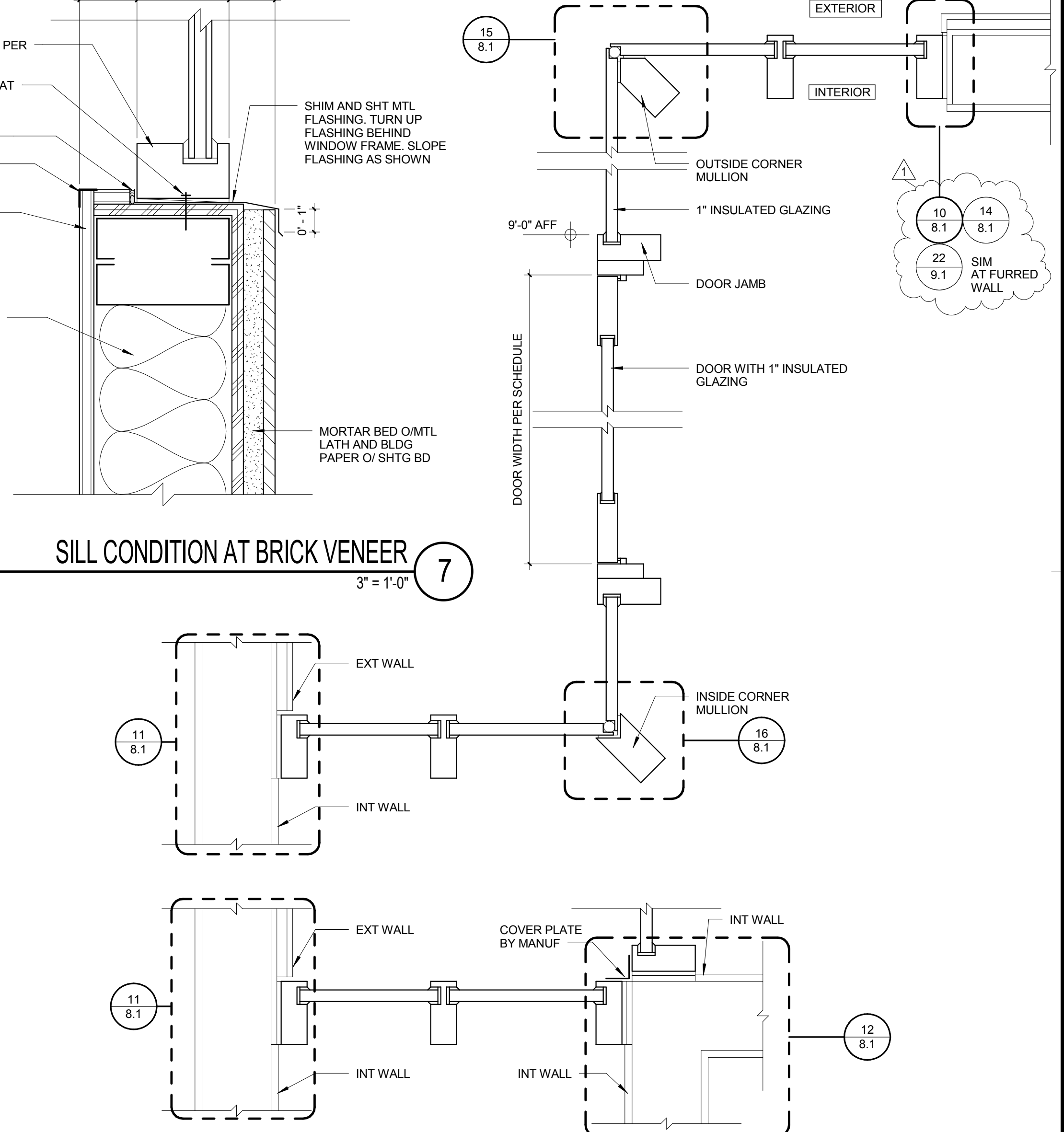
EXT HEAD / JAMB SIM 20
3" = 1'-0"



INSIDE CORNER MULLION 16
3" = 1'-0"



JAMB CONDITION C 12
3" = 1'-0"



TYP STOREFRONT/CURTAIN WALL HORIZ SECTIONS 4
1 1/2" = 1'-0"

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C-15937
11-30-15
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KEY PLAN

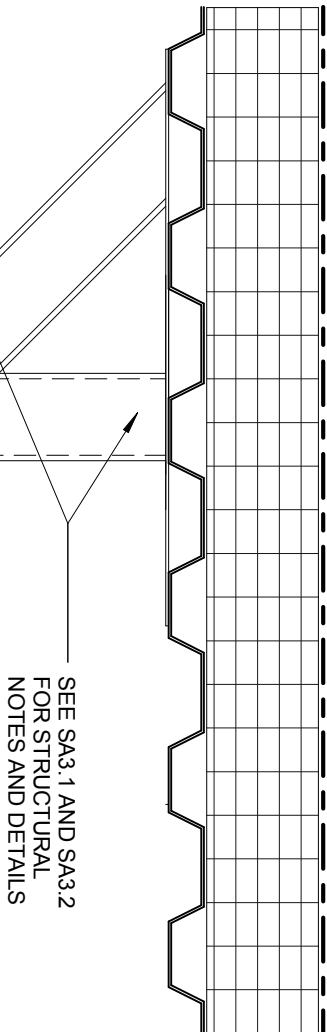
REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	12/21/15	ADDENDUM 1

DRWN: SA CHKD: JPD
DATE: 12/21/2015 SCALE: As indicated
PROJECT NUMBER: 1310700

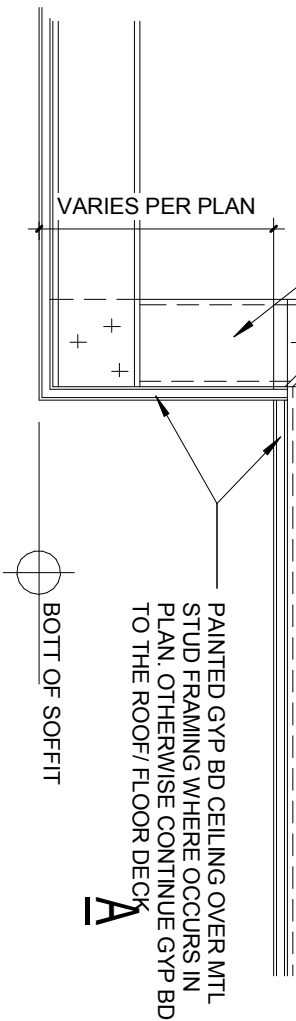
DOOR AND WINDOW FRAME DETAILS

DRAWING NUMBER: **8.1**

3/29/2016 11:28:18 AM



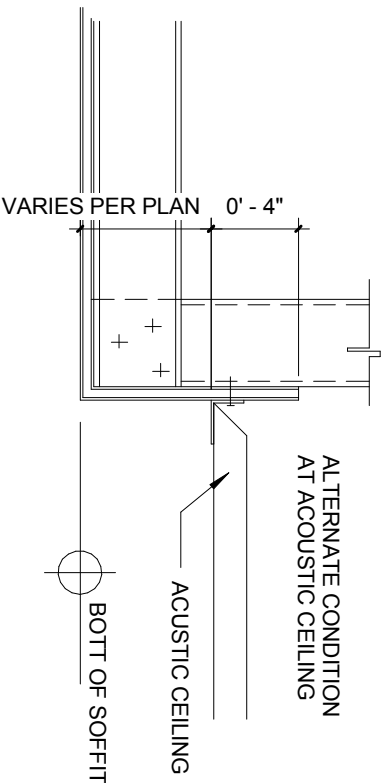
4" MTL STUD SOFFIT
FRAMING AT 16" O.C.



PAINTED GYP BD CEILING OVER MTL
STUD FRAMING WHERE OCCURS IN
PLAN. OTHERWISE CONTINUE GYP BD
TO THE ROOF/FLOOR DECK

VARIABLES PER PLAN

BOTT OF SOFFIT



ALTERNATE CONDITION
AT ACOUSTIC CEILING

ACUSTIC CEILING

BOTT OF SOFFIT

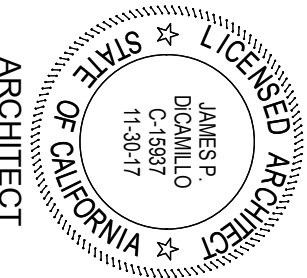
VARIABLES PER PLAN 0' - 4"

(NEW DETAIL) TYPICAL SOFFIT DETAIL

1 1/2" = 1'-0" **6**

APPL: 03-115771

REF DWG NO: 9.3



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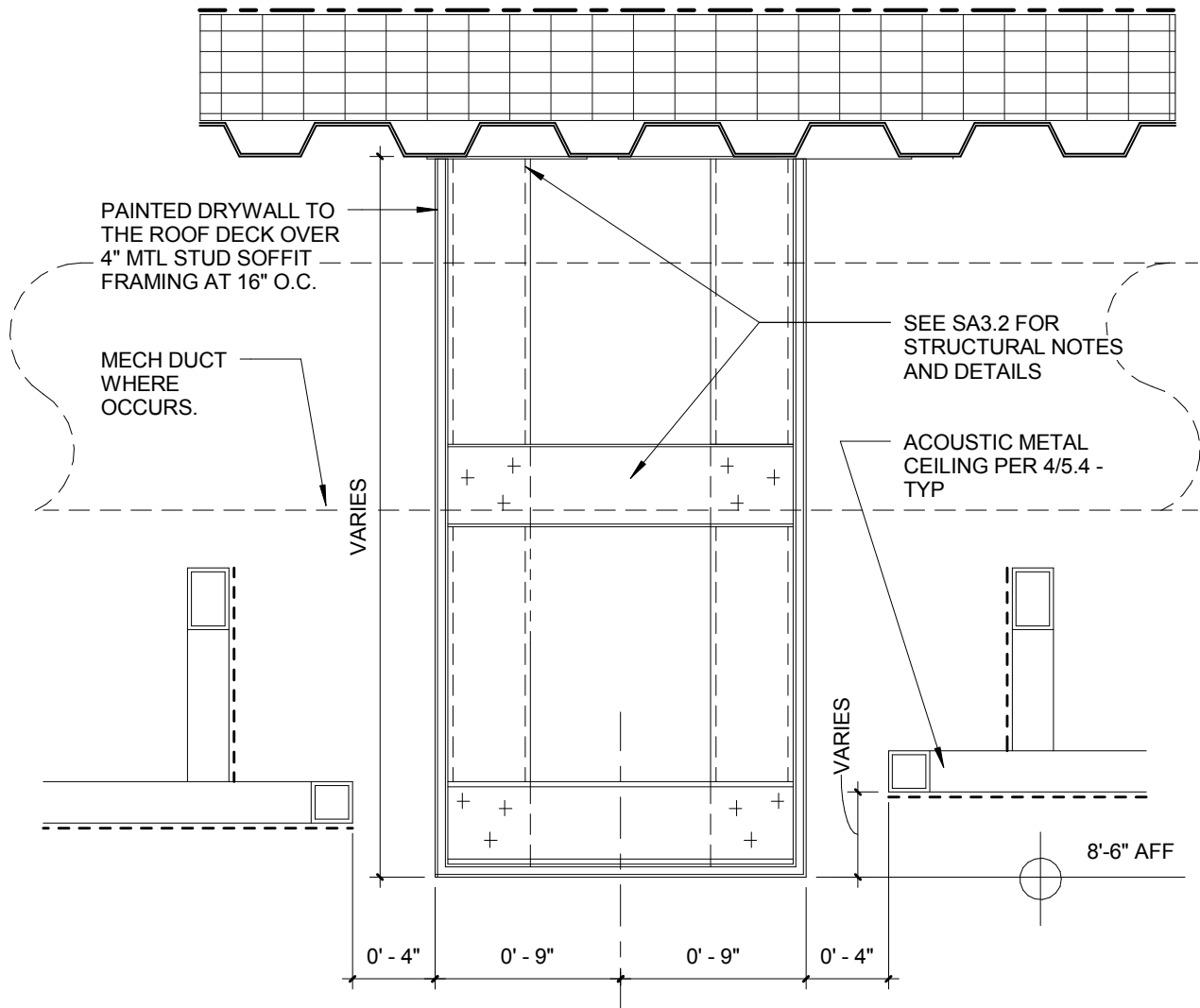
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DATE:	01/27/16
SCALE:	1 1/2" = 1'-0"
JOB NO.:	1310700

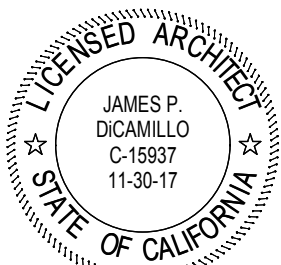
A1-1



(NEW DETAIL) READING ROOM SOFFIT

10

1 1/2" = 1'-0"



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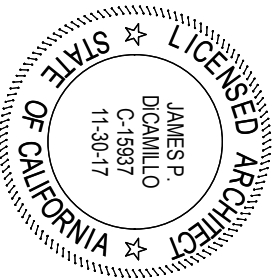
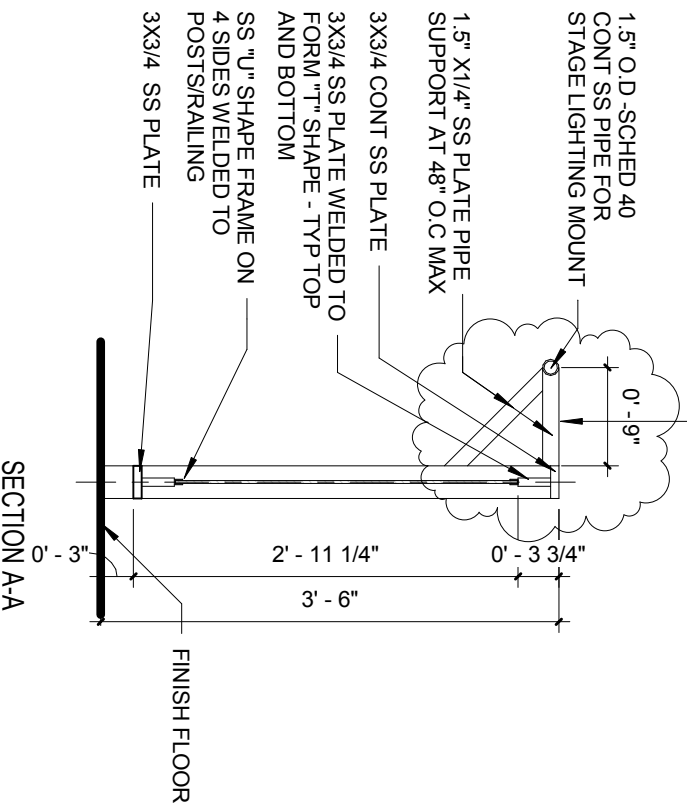
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DRAWN: Author	A1-2
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SCALE: 1 1/2" = 1'-0"	
JOB NO: 1310700	

THE REMINDER OF THE DETAIL 12/5.3 DOESN'T CHANGE

OUTRIGGER ASSEMBLY
FOR LIGHTING MOUNT
ONLY REQUIRED AT THE
LOWER CATWALK



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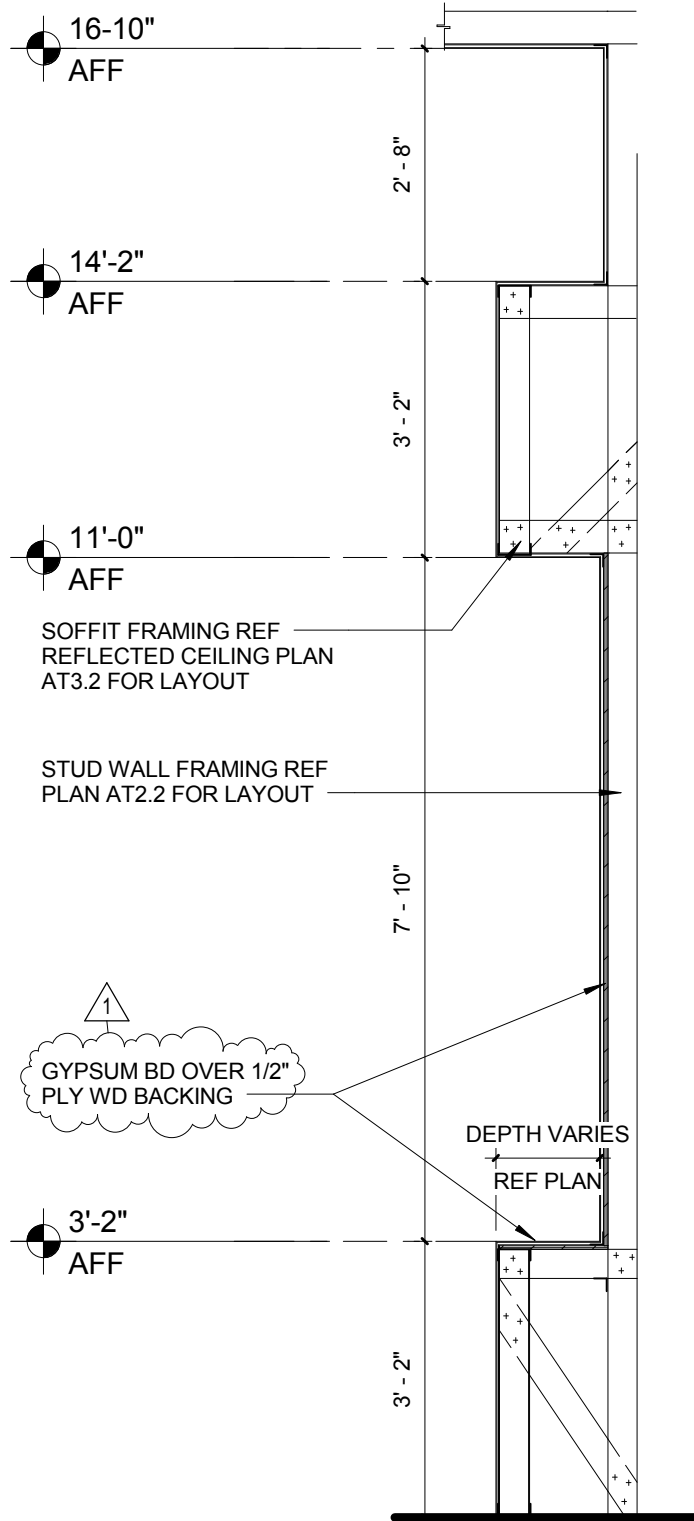
Addendum 1

DRAWN: **Author**
CHECKED: **Checker**
DATE: 03/15/16
SCALE: 3/4" = 1'-0"
JOB NO: 1310700

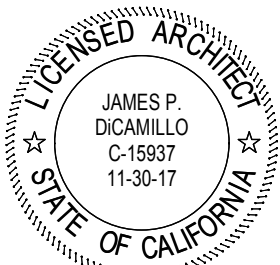
A1-3

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ADDENDUM 1	
DRAWN: Author	A1-4
CHECKED: Checker	
DATE: 03/15/16	
SCALE: 1/2" = 1'-0"	
JOB NO: 1310700	

WHERE WALL OR STOREFRONT WINDOW OCCURS FASCIA PANELS AND FRAMING SHALL BE INSTALLED ON THE GROUND AND ATTACHED TO THE STRUCTURAL BEAM PER 5B/S1.6 FROM THE CANOPY SIDE. UNCONVENTIONAL SEQUENCE MAYBE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR THE NECESSARY PRODUCT PROTECTION DURING FIELD WELDING ETC.

CONT 18 GA SHT METAL FLASHING ALONG CANOPY EDGE FACING THE BUILDING

PARAPET DETAIL PER BLDG CLADDING SYSTEM MANUFACTURER

SHEET METAL COPING

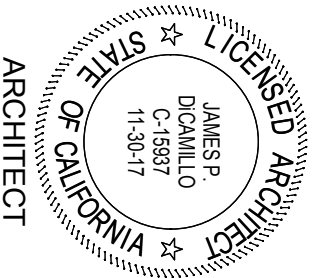
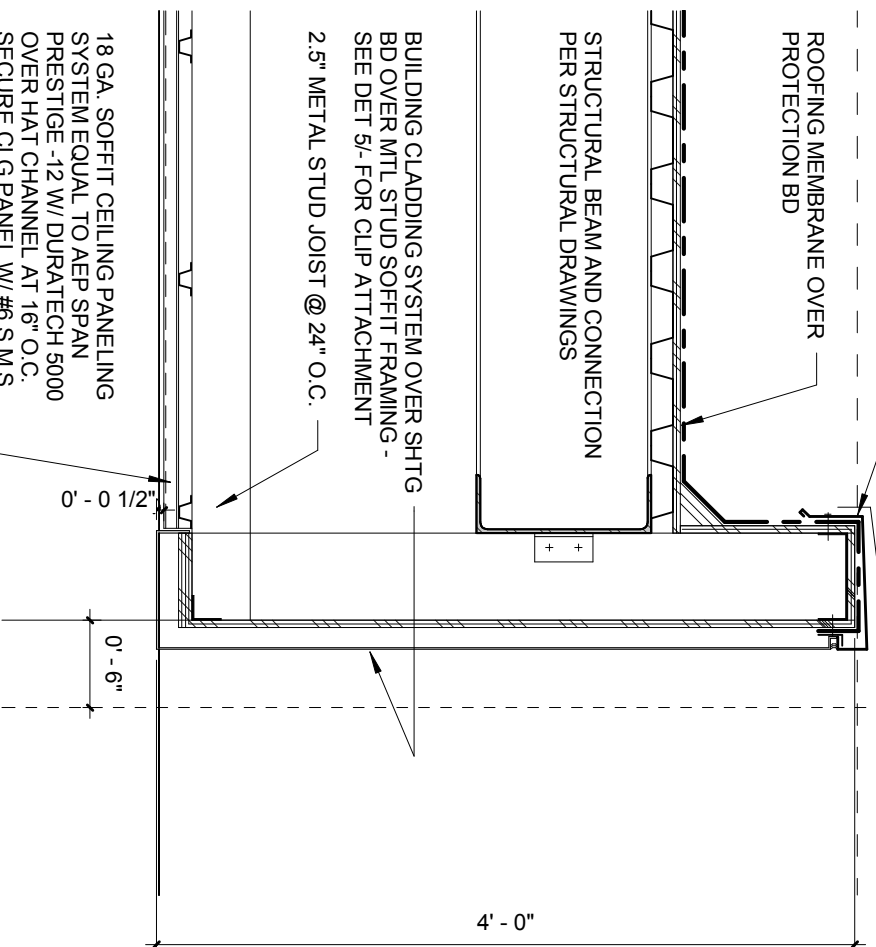
ROOFING MEMBRANE OVER PROTECTION BD

STRUCTURAL BEAM AND CONNECTION PER STRUCTURAL DRAWINGS

BUILDING CLADDING SYSTEM OVER SHTG BD OVER MTL STUD SOFFIT FRAMING - SEE DET 5/- FOR CLIP ATTACHMENT

2.5" METAL STUD JOIST @ 24" O.C.

18 GA. SOFFIT CEILING PANELING SYSTEM EQUAL TO AEP SPAN PRESTIGE -12 W/ DURATECH 5000 OVER HAT CHANNEL AT 16" O.C. SECURE CLG PANEL W/ #6 S.M.S. AT EA HAT CHANNEL



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DATE:	03/28/16
SCALE:	1" = 1'-0"
JOB NO.:	1310700

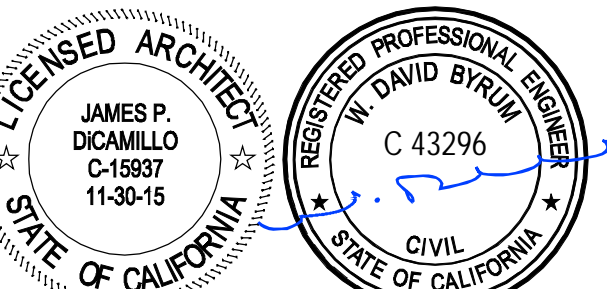
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APPL: 03-115771
REF DWG NO: 1/7.1

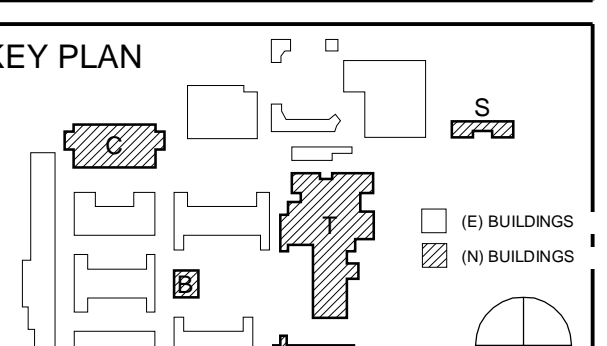
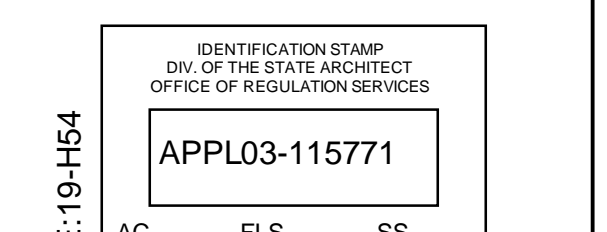
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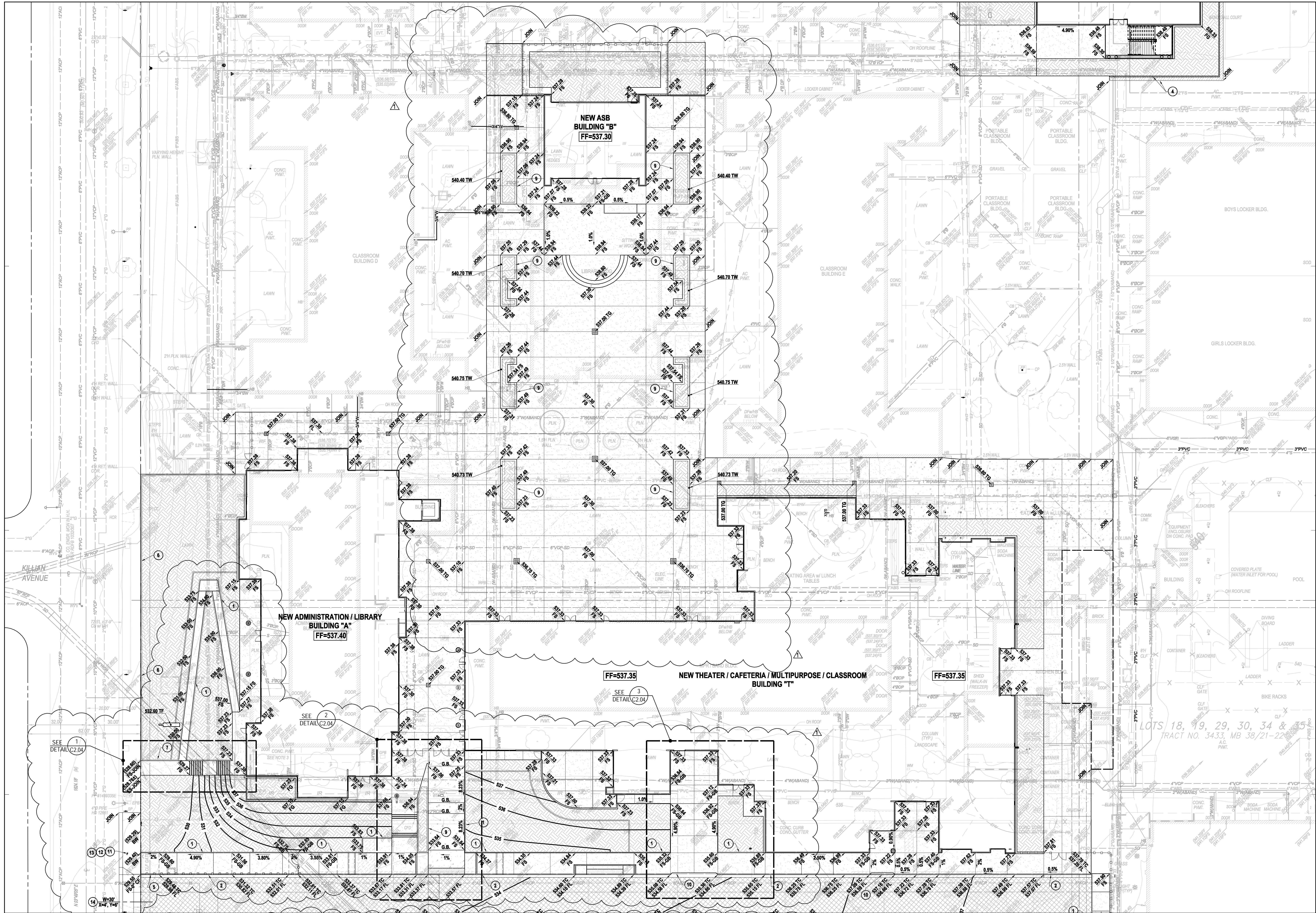
REVISION SCHEDULE

NO	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/21/2015		ADDENDUM 1

DRWN: CEI CHKD: CEI
DATE: 04/08/2015 SCALE: AS SHOWN
PROJECT NUMBER: 1310700

PRECISE GRADING PLAN

DRAWING NUMBER: **C2.01**



CONSTRUCTION NOTES: PRECISE GRADING

- CONSTRUCT PCC CURB, TYPE A1-6 (150), PER SPWVC STD. PLAN 120.2. REFERENCE DETAIL 1 ON SHEET C5.01.
- CONSTRUCT PCC CURB AND GUTTER, TYPE A2-6 (150), W-18", PER SPWVC STD. PLAN 120.2. REFERENCE DETAIL 1 ON SHEET C5.01.
- REMOVE AND REPLACE EXISTING A.C. PAVEMENT. REFERENCE PAVEMENT LEGEND ON SHEET C0.02 FOR REQUIRED PAVEMENT SECTIONS.
- REMOVE EXISTING A.C. PAVEMENT TO THE LIMITS SHOWN, REPLACE A.C. PAVEMENT IN-KIND.
- CONSTRUCT PCC CURB, TYPE A1-4 (150), PER SPWVC STD. PLAN 120.2. REFERENCE DETAIL 1 ON SHEET C5.01. TRANSITION FROM 6" CURB TO 0" CURB.
- EXISTING CMU RETAINING WALL, TO REMAIN. REFERENCE ARCHITECTURAL PLANS FOR LIMITS OR REMOVAL.
- PROPOSED RETAINING WALL. REFERENCE ARCHITECTURAL PLANS AND STRUCTURAL PLANS FOR LIMITS OF CONSTRUCTION AND STRUCTURAL DETAILS.

CONSTRUCTION NOTES: OFFSITE IMPROVEMENTS

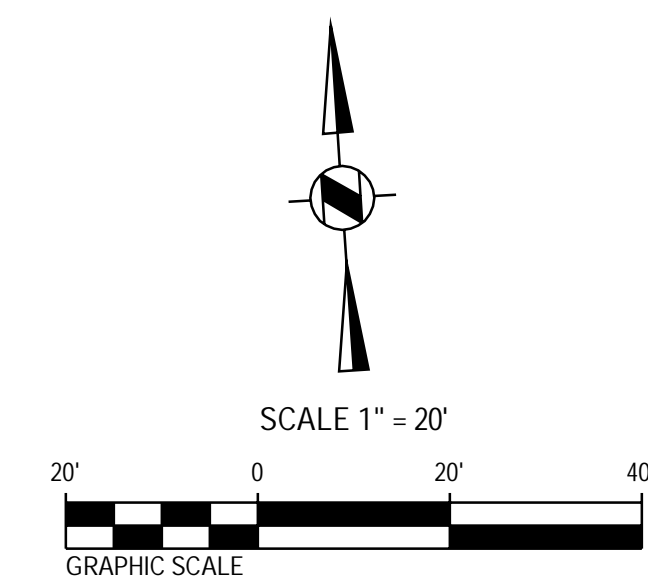
- SAWCUT AND REMOVE EXISTING CONCRETE CURB, GUTTER, SIDEWALK AND DRIVEWAY APPROACH TO THE LIMITS SHOWN.
- CONSTRUCT PCC CURB AND GUTTER, TYPE A2-8 (200), W-2", PER SPWVC STD. PLAN 120.2. REFERENCE DETAIL 1 ON SHEET C5.01.
- CONSTRUCT PCC WALK, 6" THICK.
- CONSTRUCT PCC DRIVEWAY APPROACH PER SPWVC STD. PLAN 110-2, TYPE B. REFERENCE DETAIL 2 ON SHEET C5.01.

NOTE:

CONSTRUCT PLANTERS AND CONCRETE PLANTER WALLS PER DETAILS ON ARCHITECTURAL PLANS AND PER LANDSCAPE PLANS.

NOTE:

REFERENCE PAVEMENT LEGENDS ON SHEET C0.02 FOR REQUIRED PAVEMENT SECTIONS.

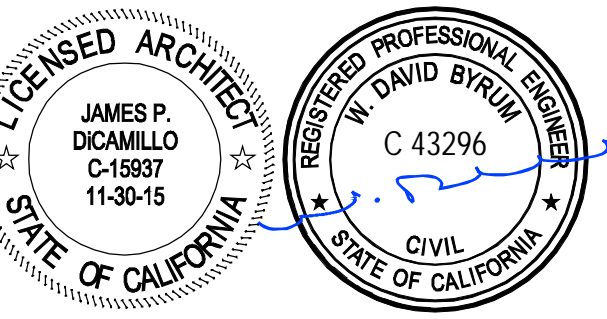


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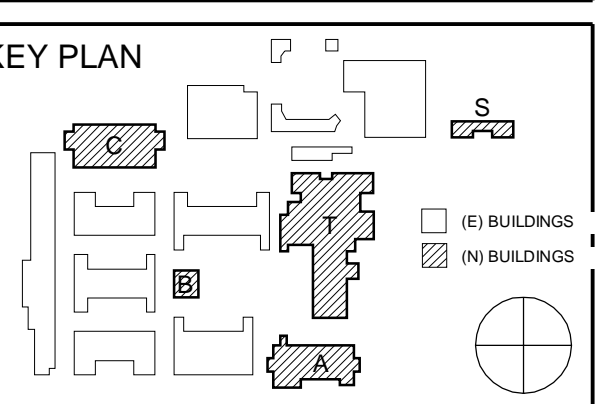
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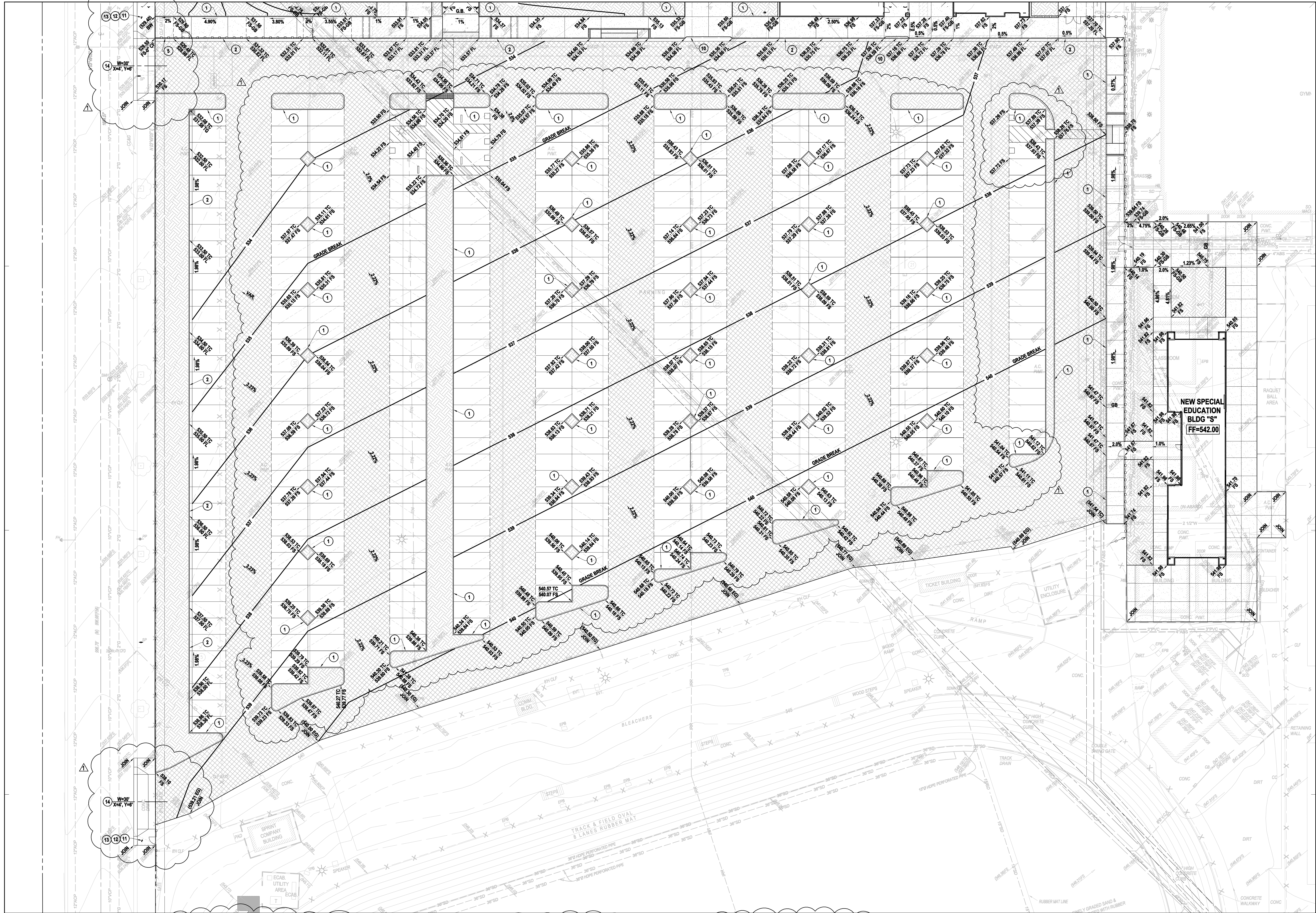


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/21/2015		ADDENDUM 1

DRWN: CEI CHKD: CEI
DATE: 04/08/2015 SCALE: AS SHOWN
PROJECT NUMBER: 1310700

PRECISE GRADING PLAN

DRAWING NUMBER: **C2.02**



CONSTRUCTION NOTES: PRECISE GRADING

- CONSTRUCT PCC CURB, TYPE A1-6 (150), PER SPWVC STD. PLAN 120-2. REFERENCE DETAIL 1 ON SHEET C5.01.
- CONSTRUCT PCC CURB AND GUTTER, TYPE A2-6 (150), W-18", PER SPWVC STD. PLAN 120-2. REFERENCE DETAIL 1 ON SHEET C5.01.
- REMOVE AND REPLACE EXISTING A.C. PAVEMENT. REFERENCE PAVEMENT LEGEND ON SHEET C0.02 FOR REQUIRED PAVEMENT SECTIONS.
- REMOVE EXISTING A.C. PAVEMENT TO THE LIMITS SHOWN, REPLACE A.C. PAVEMENT IN-KIND.
- CONSTRUCT PCC DRIVEWAY APPROACH PER SPWVC STD. PLAN 110-2, TYPE B. REFERENCE DETAIL 2 ON SHEET C5.01.
- EXISTING CMU RETAINING WALL, TO REMAIN. REFERENCE ARCHITECTURAL PLANS FOR LIMITS OR REMOVAL.
- PROPOSED RETAINING WALL. REFERENCE ARCHITECTURAL PLANS AND STRUCTURAL PLANS FOR LIMITS OF CONSTRUCTION AND STRUCTURAL DETAILS.

CONSTRUCTION NOTES: OFF-SITE IMPROVEMENTS

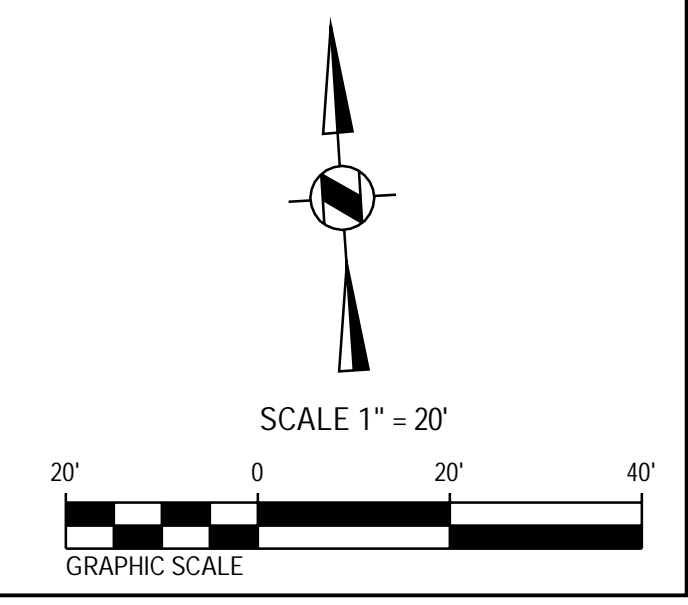
- SAWCUT AND REMOVE EXISTING CONCRETE CURB, GUTTER, SIDEWALK AND DRIVEWAY APPROACH TO THE LIMITS SHOWN.
- CONSTRUCT PCC CURB AND GUTTER, TYPE A2-8 (200), W-2", PER SPWVC STD. PLAN 120-2. REFERENCE DETAIL 1 ON SHEET C5.01.
- CONSTRUCT PCC WALK, 6" THICK.
- CONSTRUCT PCC DRIVEWAY APPROACH PER SPWVC STD. PLAN 110-2, TYPE B. REFERENCE DETAIL 2 ON SHEET C5.01.

NOTE:

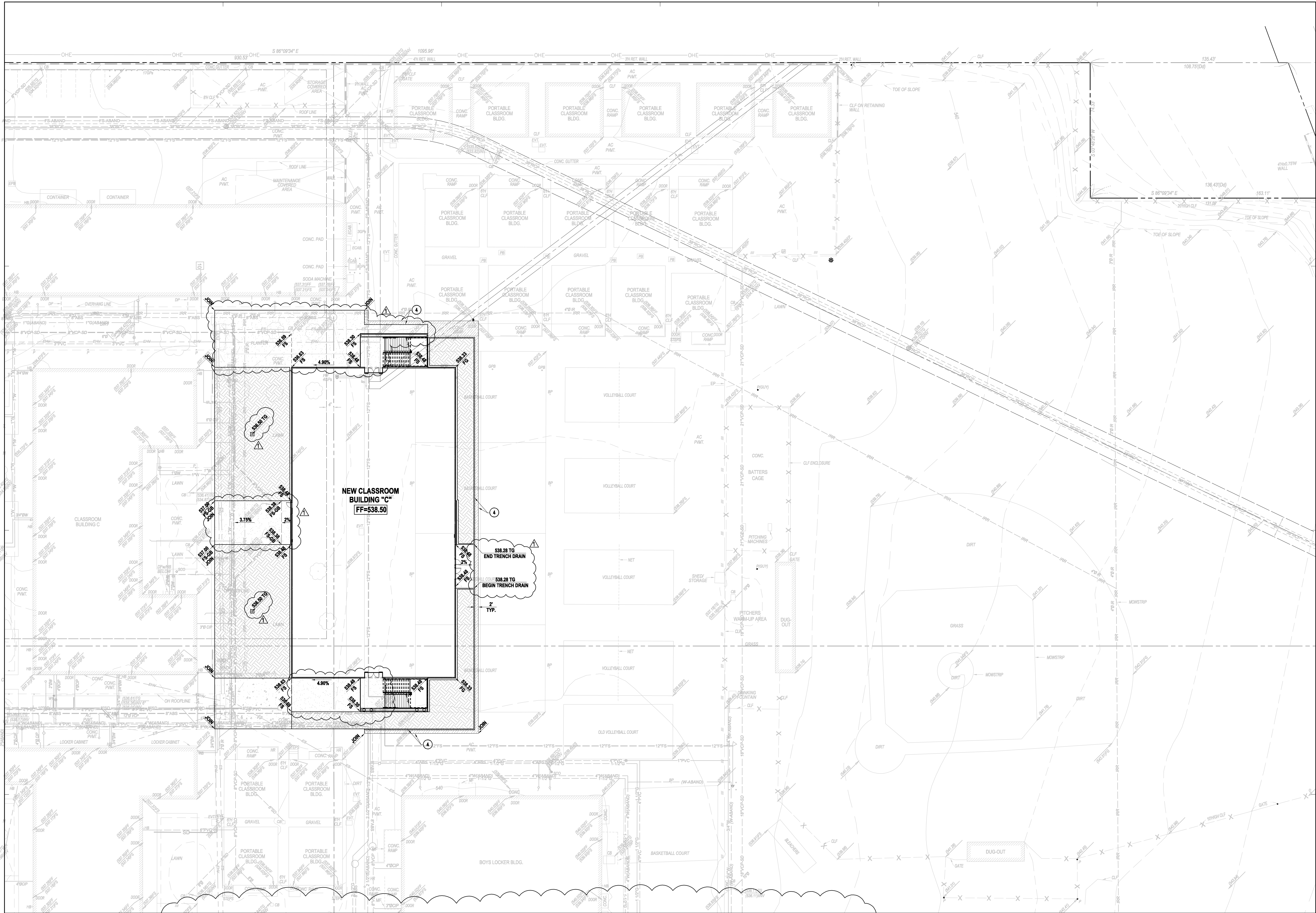
CONSTRUCT PLANTERS AND CONCRETE PLANTER WALLS PER DETAILS ON ARCHITECTURAL PLANS AND PER LANDSCAPE PLANS.

NOTE:

REFERENCE PAVEMENT LEGENDS ON SHEET C0.02 FOR REQUIRED PAVEMENT SECTIONS.



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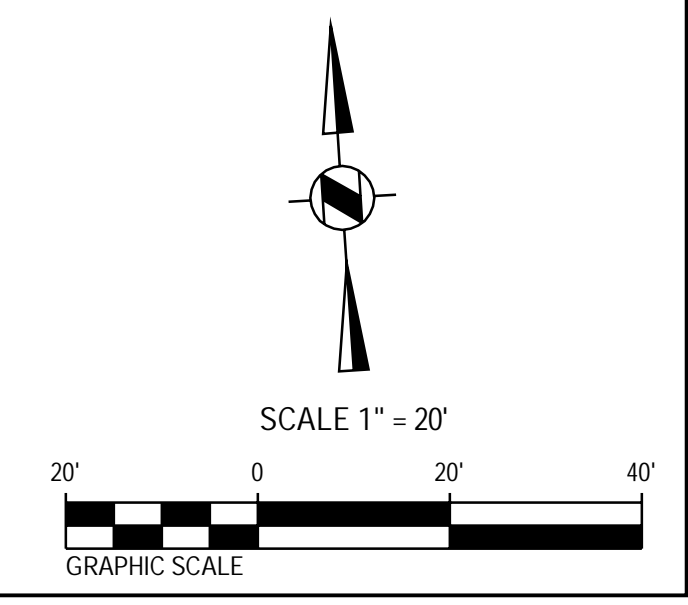


- CONSTRUCTION NOTES: PRECISE GRADING**
- CONSTRUCT PCC CURB, TYPE A1-6 (150), PER SPWW STD. PLAN 120-2. REFERENCE DETAIL 1 ON SHEET C5.01.
 - CONSTRUCT PCC CURB AND GUTTER, TYPE A2-6 (150), W-18", PER SPWW STD. PLAN 120-2. REFERENCE DETAIL 1 ON SHEET C5.01.
 - REMOVE AND REPLACE EXISTING A.C. PAVEMENT. REFERENCE PAVEMENT LEGEND ON SHEET C0.02 FOR REQUIRED PAVEMENT SECTIONS.
 - REMOVE EXISTING A.C. PAVEMENT TO THE LIMITS SHOWN. REPLACE A.C. PAVEMENT IN-KIND.
 - CONSTRUCT PCC DRIVEWAY APPROACH PER SPWW STD. PLAN 110-2, TYPE B. REFERENCE DETAIL 2 ON SHEET C5.01.
 - EXISTING CMU RETAINING WALL, TO REMAIN. REFERENCE ARCHITECTURAL PLANS FOR LIMITS OR REMOVAL.
 - PROPOSED RETAINING WALL. REFERENCE ARCHITECTURAL PLANS AND STRUCTURAL PLANS FOR LIMITS OF CONSTRUCTION AND STRUCTURAL DETAILS.

- CONSTRUCTION NOTES: OFFSITE IMPROVEMENTS**
- PROPOSED SHADE STRUCTURE-REFERENCE ARCHITECTURAL PLANS.
 - PROPOSED CONCRETE PLANTER. REFERENCE ARCHITECTURAL AND LANDSCAPE PLANS.
 - CONSTRUCT PCC MOUNTABLE CURB AND GUTTER, TYPE B2-4 (150), W-18", PER SPWW STD. PLAN 121-2. REFERENCE DETAIL 3 ON SHEET C5.01.
 - SAWCUT AND REMOVE EXISTING CONCRETE CURB, GUTTER, SIDEWALK AND DRIVEWAY APPROACH TO THE LIMITS SHOWN.
 - CONSTRUCT PCC CURB AND GUTTER, TYPE A2-8 (200), W-2", PER SPWW STD. PLAN 120-2. REFERENCE DETAIL 1 ON SHEET C5.01.
 - CONSTRUCT PCC WALK, 6" THICK.
 - CONSTRUCT PCC DRIVEWAY APPROACH PER SPWW STD. PLAN 110-2, TYPE B. REFERENCE DETAIL 2 ON SHEET C5.01.

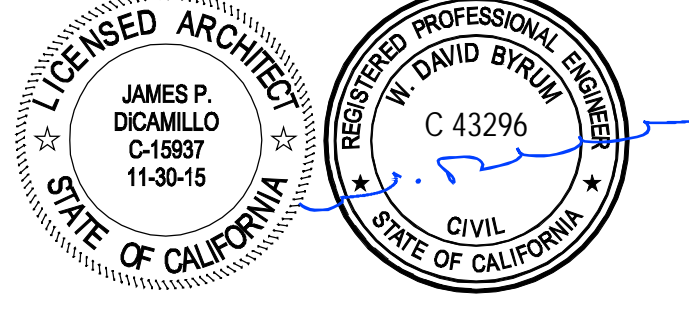
NOTE:
CONSTRUCT PLANTERS AND CONCRETE PLANTER WALLS PER DETAILS ON ARCHITECTURAL PLANS AND PER LANDSCAPE PLANS.

NOTE:
REFERENCE PAVEMENT LEGENDS ON SHEET C0.02 FOR REQUIRED PAVEMENT SECTIONS.



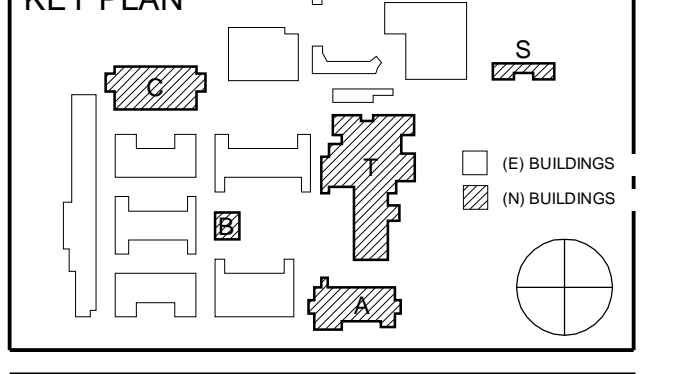
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05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/21/2015		ADDENDUM 1

DRWN: CEI CHKD: CEI
DATE: 04/08/2015 SCALE: AS SHOWN
PROJECT NUMBER: 1310700

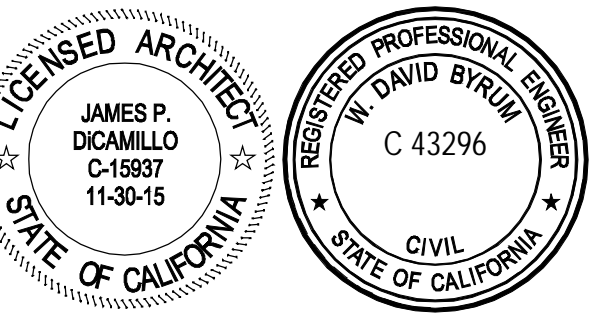
PRECISE GRADING PLAN

DRAWING NUMBER: **C2.03**

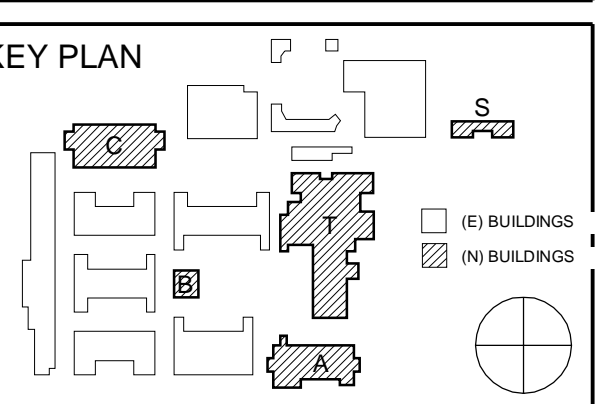
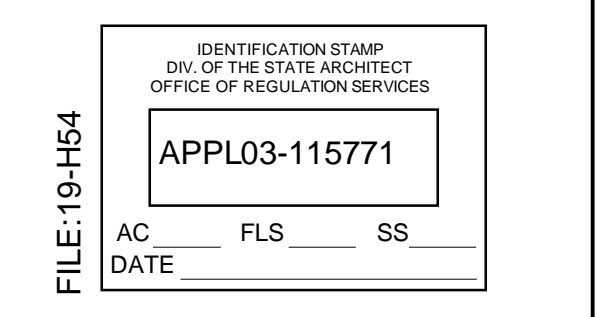
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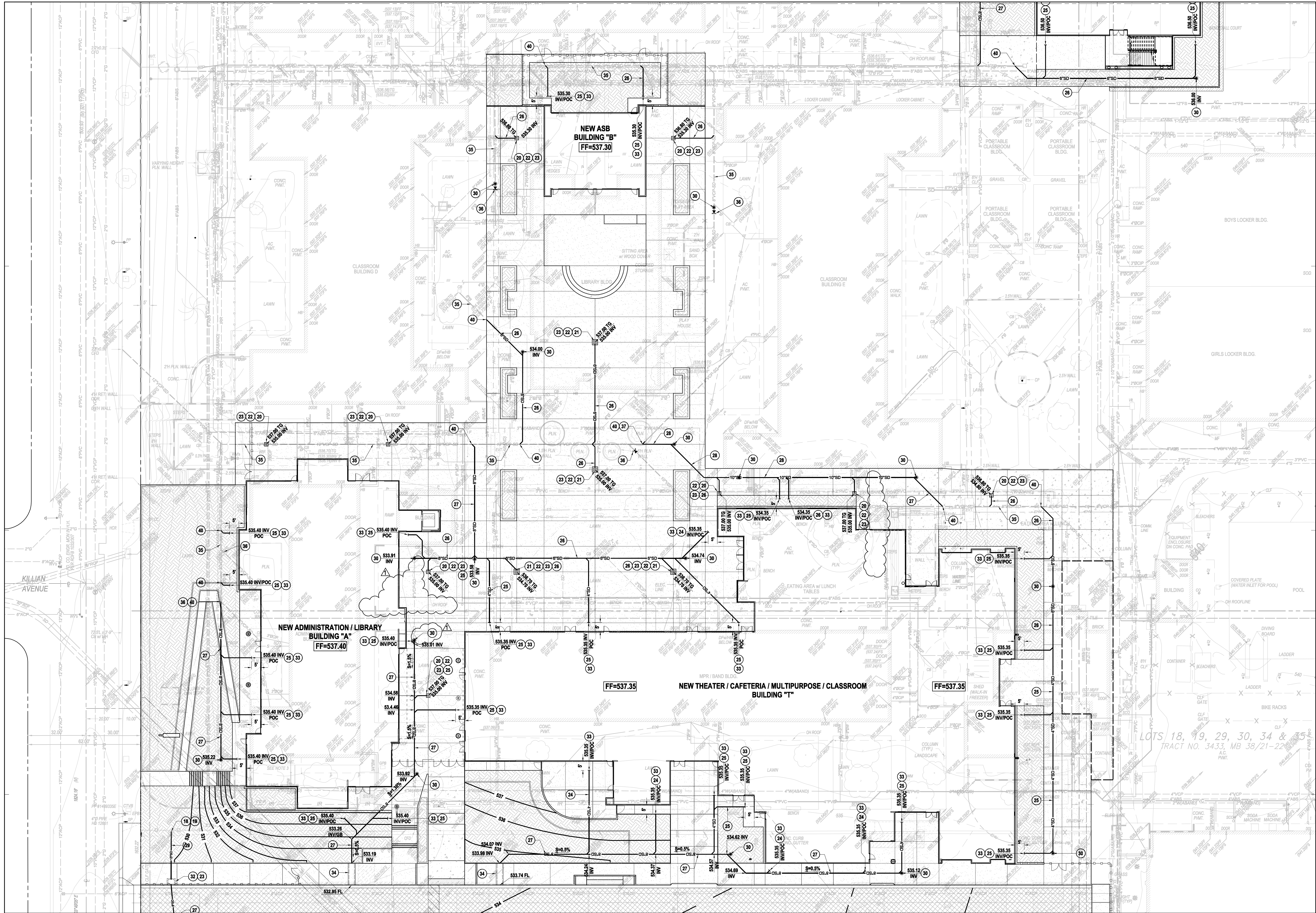


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NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/21/2015	ADDENDUM 1	

DRWN: CEI CHKD: CEI
DATE: 04/08/2015 SCALE: AS SHOWN
PROJECT NUMBER: 1310700

STORM DRAIN PLAN

DRAWING NUMBER: **C3.01**

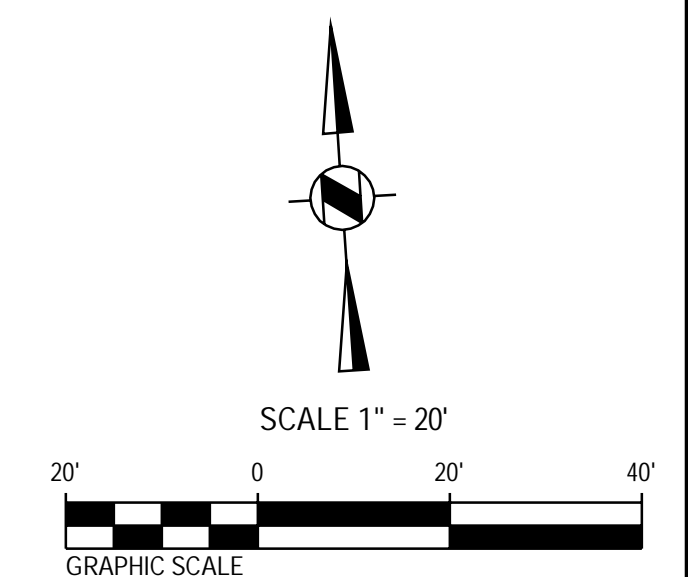


CONSTRUCTION NOTES: STORM DRAIN

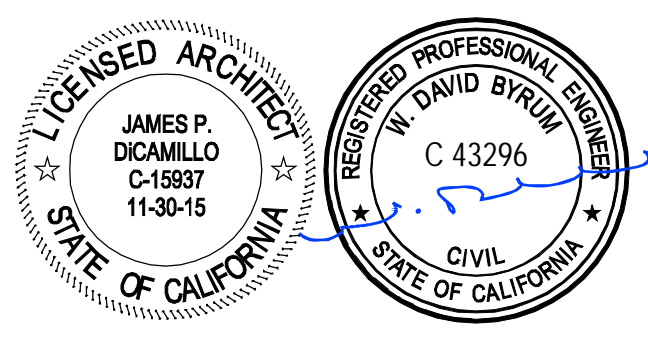
- 18 EXISTING CATCH BASIN, TO BE REMOVED.
- 19 CONNECT TO EXISTING STORM DRAIN PIPE. CONSTRUCT CONCRETE COLLAR PER SPPWC STANDARD PLAN 380-4. REFERENCE DETAIL 2 ON SHEET C5.03.
- 20 INSTALL 12"x12" CATCH BASIN PER JENSEN PRECAST STANDARD MODEL NO. D1212. OR APPROVED EQUAL, WITH TRAFFIC GRADE FRAME AND GRATE. REFERENCE DETAIL 1 ON SHEET C5.02.
- 21 INSTALL 24"x24" CATCH BASIN PER JENSEN PRECAST STANDARD MODEL NO. D2424. OR APPROVED EQUAL, WITH TRAFFIC GRADE FRAME AND GRATE. REFERENCE DETAIL 1 ON SHEET C5.02.
- 22 INSTALL KRISTAR FLOGARD PLUS CATCH BASIN FILTER INSERT, OR APPROVED EQUAL. REFERENCE DETAIL 2 ON SHEET C5.02.
- 23 INSTALL NOTICE ON CATCH BASIN STATING "NO DUMPING THIS DRAINS TO OCEAN". REFERENCE DETAIL 3 ON SHEET C5.02.
- 24 INSTALL 3" PVC STORM DRAIN, SDR 35, OR APPROVED EQUAL.
- 25 INSTALL 4" PVC STORM DRAIN, SDR 35, OR APPROVED EQUAL.
- 26 INSTALL 6" PVC STORM DRAIN, SDR 35, OR APPROVED EQUAL.
- 27 INSTALL 8" PVC STORM DRAIN, SDR 35, OR APPROVED EQUAL.
- 28 INSTALL 10" PVC STORM DRAIN, SDR 35, OR APPROVED EQUAL.
- 29 INSTALL 15" PVC STORM DRAIN, SDR 35, OR APPROVED EQUAL.
- 30 INSTALL STORM DRAIN CLEAN-OUT. REFERENCE DETAIL 6 ON SHEET C5.01.
- 31 INSTALL TRENCH DRAIN, ACO KLASSEK DRAIN K100, OR APPROVED EQUAL, WITH PERFORATED STEEL GRATE, ACO TYPE 1100/4120, OR APPROVED EQUAL. REFERENCE DETAILS 4 AND 5 ON SHEET C5.02.
- 32 CONSTRUCT CURB OPENING CATCH BASIN PER SPPWC STANDARD PLAN 300-3. REFERENCE DETAIL 1 ON SHEET C5.03.
- 33 REFER TO BUILDING PLUMBING PLANS FOR POINT OF CONNECTION, ELEVATION AND SIZE.
- 34 CONSTRUCT CONCRETE PARKWAY DRAIN, S-3, PER SPPWC STANDARD PLAN 151-2. REFERENCE DETAIL 4 ON SHEET C5.03.
- 35 EXISTING STORM DRAIN PIPE TO BE PROTECTED IN PLACE.
- 36 REMOVE PORTIONS OF EXISTING STORM DRAIN PIPE AS NECESSARY AND PLUG END.
- 37 RECONNECT EXISTING PIPE TO STORM DRAIN. INSTALL FITTINGS AS NECESSARY.
- 38 REMOVE EXISTING STORM DRAIN AND INLET AS NECESSARY.
- 39 EXISTING CATCH BASIN TO BE PROTECTED IN PLACE AND ADJUST TO GRADE.
- 40 CONNECT TO EXISTING STORM DRAIN. FIELD VERIFY LOCATION, SIZE AND DEPTH PRIOR TO CONSTRUCTION. INSTALL FITTINGS AS NECESSARY.

NOTE:

- A. CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE AND DEPTH OF EXISTING UNDERGROUND UTILITIES AND POTHOLES AT ALL POINTS OF CONNECTION AND PROPOSED UTILITY CROSSINGS, PRIOR TO COMMENCING CONSTRUCTION.
- B. SANITARY SEWER AND STORM DRAIN CLEANOUTS SHOWN OR NOT SHOWN ON THIS PLAN SHALL BE INSTALLED AT INTERVALS NOT TO EXCEED ONE HUNDRED FEET (100') IN TOTAL DEVELOPED LENGTH AND ANY CHANGE OF HORIZONTAL DIRECTION EXCEEDING ONE HUNDRED-THIRTY FIVE DEGREES (135°), AND PER UNIFORM PLUMBING CODE REQUIREMENTS.
- C. PROVIDE CATCH BASIN FILTER INSERTS TO PROPOSED ON-SITE INLET BASINS.

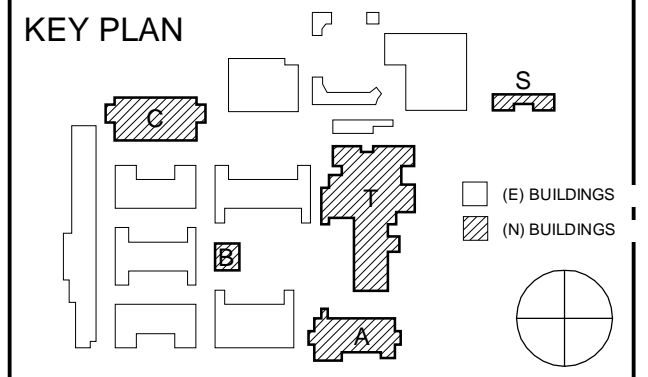


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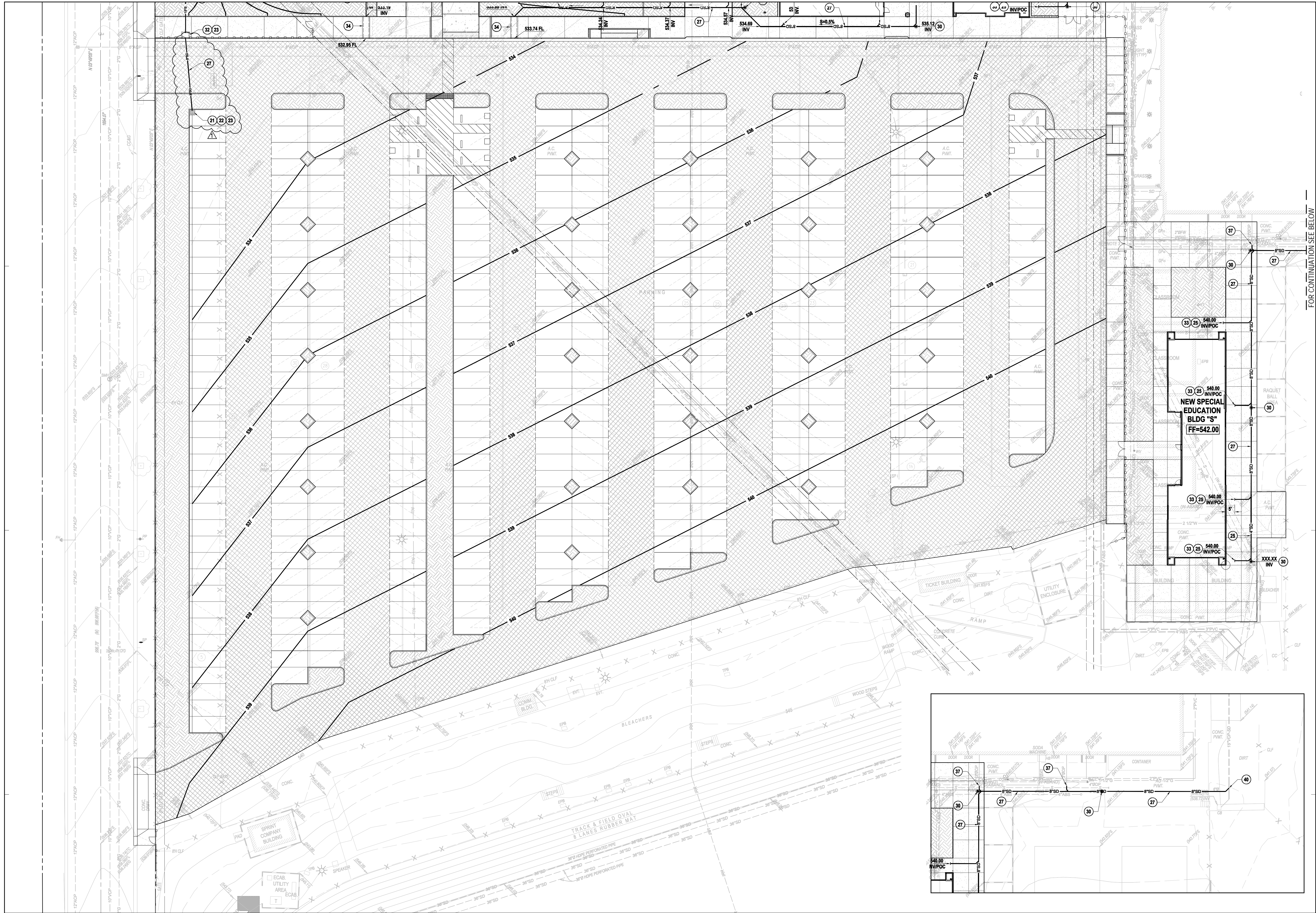
REVISION SCHEDULE

NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/21/2015	ADDENDUM 1	

DRWN: CEI CHKD: CEI
DATE: 04/08/2015 SCALE: AS SHOWN
PROJECT NUMBER: 1310700

STORM DRAIN PLAN

DRAWING NUMBER: **C3.02**

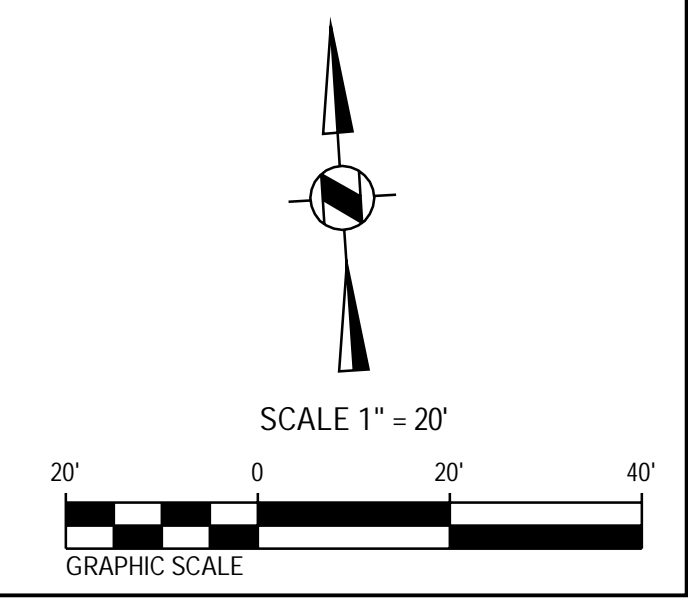


CONSTRUCTION NOTES: STORM DRAIN

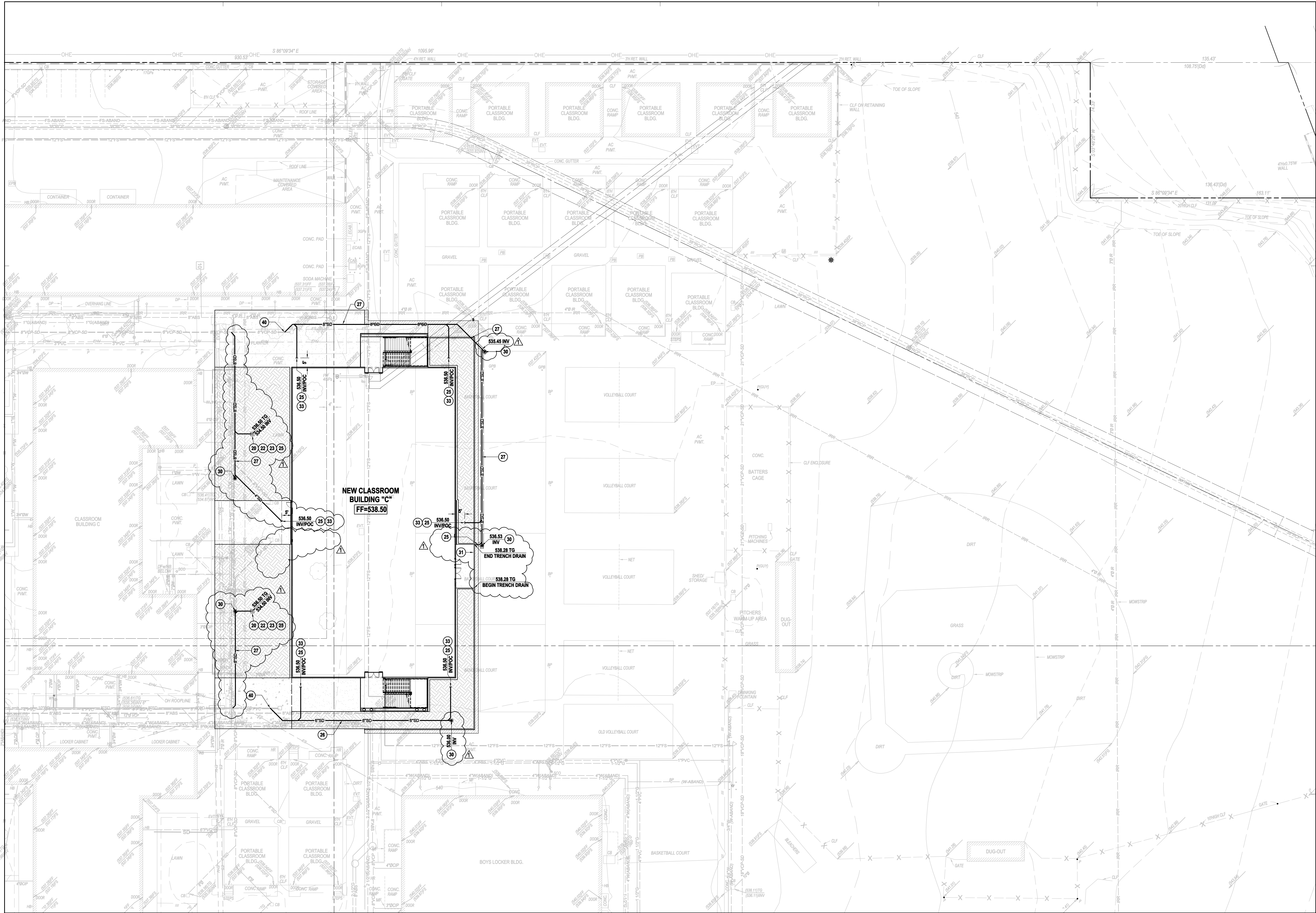
- 18 EXISTING CATCH BASIN, TO BE REMOVED.
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- 23 INSTALL NOTICE ON CATCH BASIN STATING "NO DUMPING THIS DRAINS TO OCEAN". REFERENCE DETAIL 3 ON SHEET C5.02.
- 24 INSTALL 3" PVC STORM DRAIN, SDR 35, OR APPROVED EQUAL.
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CONSTRUCTION NOTES: STORM DRAIN

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- 31 INSTALL 6" WIDE TRENCH DRAIN, ACO KLASIK DRAIN K100, OR APPROVED EQUAL, WITH PERFORATED STEEL GRATE, ACO TYPE 4100/4120, OR APPROVED EQUAL. REFERENCE DETAILS 4 AND 5 ON SHEET C5.02.
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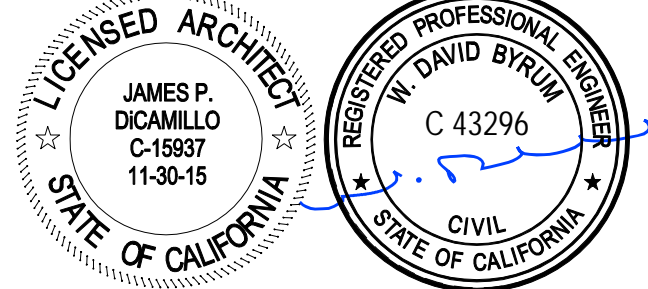
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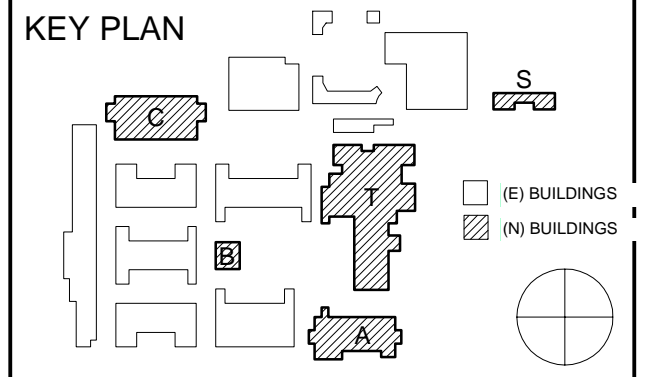
ROWLAND HIGH SCHOOL ADDITION
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 2000 OTTERBEIN AVE
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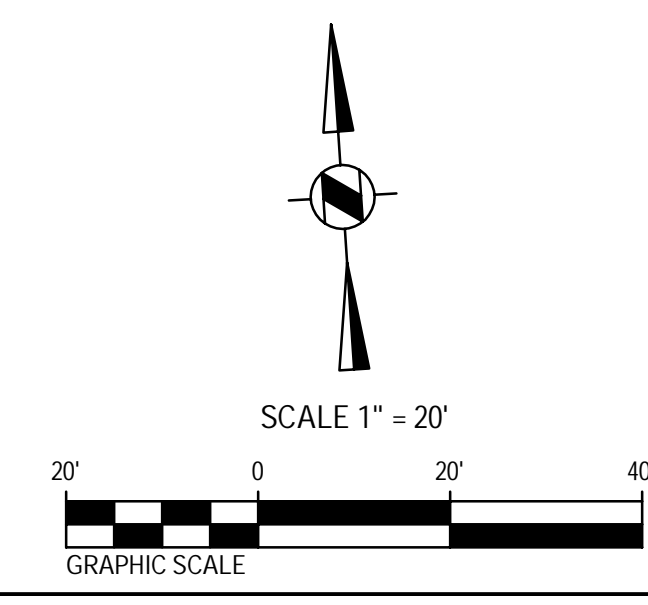


REVISION SCHEDULE		
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05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/21/2015		ADDENDUM 1

DRWN: CEI CHKD: CEI
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STORM DRAIN PLAN

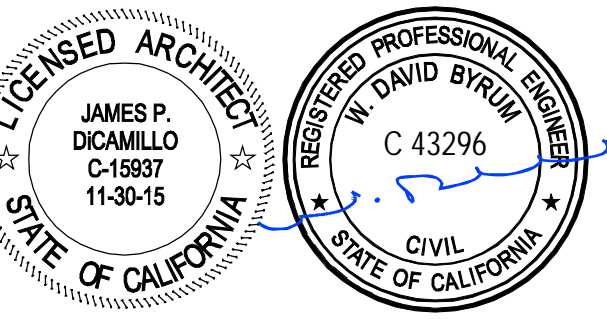
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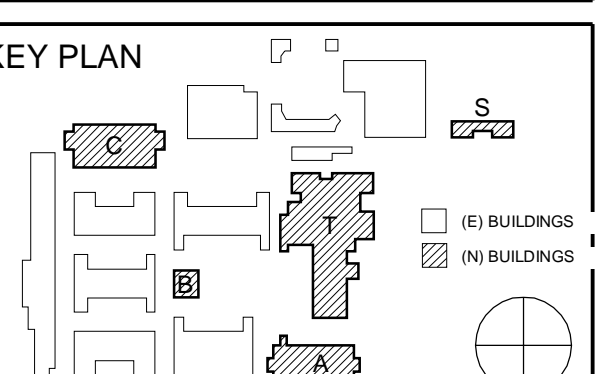
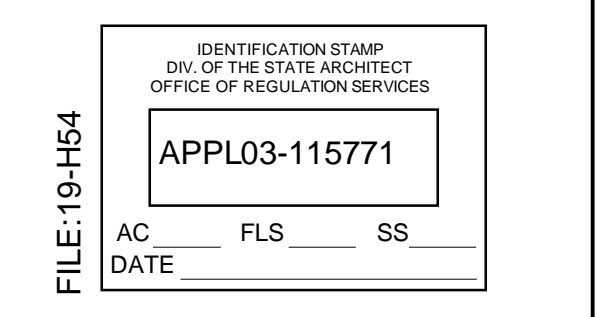
ROWLAND HIGH SCHOOL ADDITION

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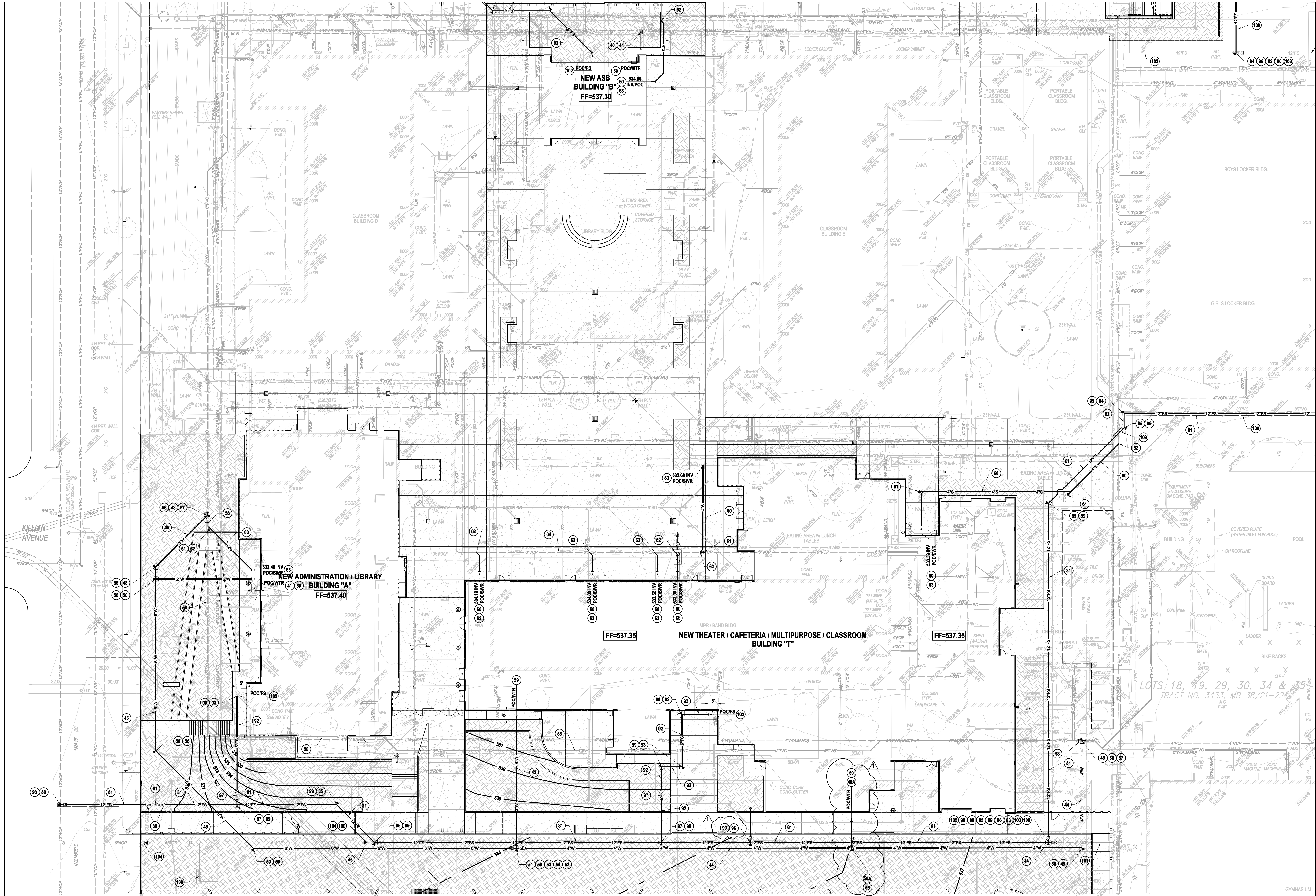
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DRWN: CEI CHKD: CEI
DATE: 04/08/2015 SCALE: AS SHOWN
PROJECT NUMBER: 1310700

UTILITY PLAN
DRAWING NUMBER: **C4.01**



CONSTRUCTION NOTES: DOMESTIC WATER

- 40 INSTALL 1-1/2" DOMESTIC WATER PIPE LINE.
- 41 INSTALL 2" DOMESTIC WATER PIPE LINE.
- 42 INSTALL 2-1/2" DOMESTIC WATER PIPE LINE.
- 43 INSTALL 3" DOMESTIC WATER PIPE LINE.
- 44 INSTALL 4" DOMESTIC WATER PIPE LINE.
- 45 INSTALL 6" DOMESTIC WATER PIPE LINE.
- 46 INSTALL 1-1/2" SINGLE STRAP SERVICE SADDLE, ROMAC STYLE 1015, OR APPROVED EQUAL.
- 47 INSTALL 2-1/2" DOUBLE STRAP SERVICE SADDLE, ROMAC STYLE 2025, OR APPROVED EQUAL.
- 48 INSTALL 6" x 45" DUCTILE IRON BEND, MJ x MJ.
- 49 INSTALL 6" x 90" DUCTILE IRON BEND, MJ x MJ.
- 50 INSTALL 6" x 6" x 2" DUCTILE IRON TEE, MJ x MJ x MJ.
- 51 INSTALL 6" x 6" x 3" DUCTILE IRON TEE, FLG x FLG x MJ.
- 52 INSTALL 6" x 4" DUCTILE IRON REDUCER, FLG x MJ.
- 53 INSTALL 6" RESILIENT WEDGE GATE VALVE, FLG x MJ.
- 54 INSTALL 6" RESILIENT WEDGE GATE VALVE, FLG x FLG.
- 55 INSTALL VALVE CAN ASSEMBLY PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 11, REFERENCE DETAIL 6 ON SHEET NO. CS.04.
- 56 INSTALL 4" x 4" x 1" TEE.
- 57 CUT AND REMOVE PORTIONS OF EXISTING WATER LINE AS NECESSARY.
- 58 REMOVE EXISTING WATER LINE AS NECESSARY AND PLUG END.
- 59 REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF PIPE.
- 60A INSTALL 1" DOMESTIC WATER PIPE LINE.
- 60B INSTALL 4" x 4" x 1" TEE.

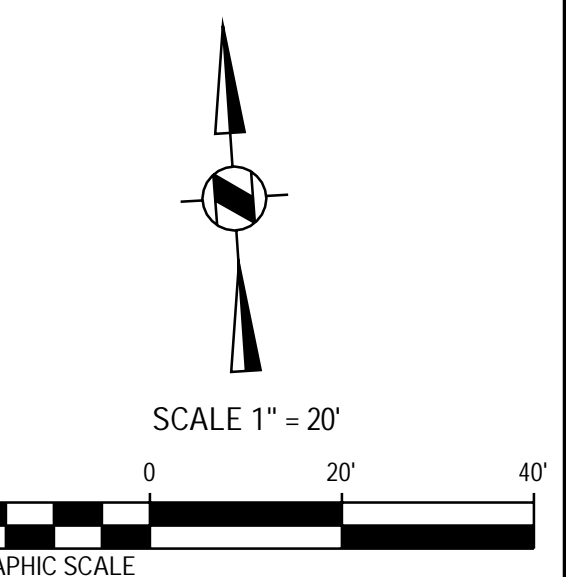
CONSTRUCTION NOTES: SEWER

- 61 INSTALL 4" PVC SANITARY SEWER, SDR 35.
- 62 INSTALL SANITARY SEWER CLEAN OUT, REFERENCE DETAIL 8 ON SHEET CS.04.
- 63 CONNECT TO EXISTING SEWER LINE, FIELD VERIFY LOCATION, SIZE AND DEPTH PRIOR TO CONSTRUCTION, INSTALL FITTINGS AS NECESSARY.
- 64 REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF PIPE.
- 65 EXISTING SEWER LINE TO BE PROTECTED IN PLACE.

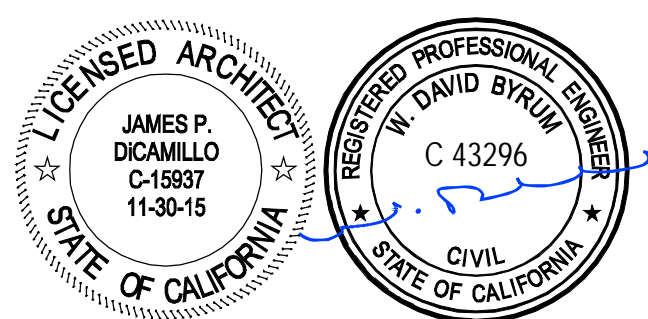
CONSTRUCTION NOTES: FIRE SERVICE

- 66 HOT TAP EXISTING 12" FIRE SERVICE LINE WITH 12" TAPPING SLEEVE AND 12" TAPPING VALVE, FE x MJ.
- 67 INSTALL 12" PVC FIRE SERVICE, C900, CLASS 150.
- 68 INSTALL 12" x 12" x 1/2" DUCTILE IRON TEE, FLG x FLG x FLG.
- 69 INSTALL 12" x 10" DUCTILE IRON REDUCER, MJ x FLG.
- 70 INSTALL 12" x 6" DUCTILE IRON REDUCER, FLG x FLG.
- 71 INSTALL 12" TRANSITION COUPLING.
- 72 INSTALL 6" PVC FIRE SERVICE, C900, CLASS 150.
- 73 INSTALL 6" x 45" DUCTILE IRON BEND, MJ x MJ.
- 74 INSTALL 6" x 45" DUCTILE IRON BEND, MJ x MJ.
- 75 INSTALL 6" GATE VALVE, FLG x MJ.
- 76 INSTALL FIRE HYDRANT ASSEMBLY PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 8, REFERENCE DETAIL 5 ON SHEET CS.04.
- 77 INSTALL FIRE DEPARTMENT CONNECTION, CHECK VALVE, AND POST INDICATOR VALVE, REFERENCE DETAIL 3 ON SHEET CS.04.
- 78 INSTALL VALVE CAN ASSEMBLY PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 11, REFERENCE DETAIL 6 ON SHEET NO. CS.04.
- 79 INSTALL THRUST BLOCK PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 13, REFERENCE DETAIL 1 ON SHEET NO. CS.04.
- 80 INSTALL 12" x 6" DUCTILE IRON REDUCER, FLG x MJ.
- 81 INSTALL 12" x 12" x 1/2" DUCTILE IRON TEE, MJ x MJ x MJ.
- 82 INSTALL 12" x 10" DUCTILE IRON REDUCER, MJ x MJ.
- 83 INSTALL 12" x 6" DUCTILE IRON REDUCER, FLG x FLG.
- 84 INSTALL 12" TRANSITION COUPLING.
- 85 INSTALL 10" FIRE SERVICE ASSEMBLY WITH DOUBLE DETECTOR CHECK ASSEMBLY PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 20A, REFERENCE DETAIL 4 ON SHEET CS.04.
- 86 REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF SUB RISER.
- 87 REMOVE EXISTING WATER LINE AND APPURTENANCES AS NECESSARY.
- 88 ABANDON IN PLACE EXISTING WATER LINE AND CAP END, SHUT OFF WATER AT NEAREST WATER VALVE.
- 89 EXISTING FIRE HYDRANT ASSEMBLY, TO BE REMOVED.
- 90 INSTALL 12" BUTTERFLY VALVE, FLG x MJ.
- 91 INSTALL 12" x 12" x 1/2" DUCTILE IRON TEE, MJ x MJ x FLG.
- 92 REMOVE DCA AND APPURTENANCES, CONTRACTOR TO COORDINATE DISPOSITION WITH WCD.
- 93 FIRE SERVICE PIPE TRENCH LIMITS, REFERENCE DETAIL 5 ON SHEET CS.01.
- 94 HOT TAP EXISTING 12" FIRE SERVICE LINE WITH 12" TAPPING SLEEVE AND 12" TAPPING VALVE, FE x MJ.
- 95 INSTALL 6" x 90" DUCTILE IRON BEND, MJ x FE.

NOTE:
A. CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE AND DEPTH OF EXISTING UNDERGROUND UTILITIES AND POTHOLE AT ALL POINTS OF CONNECTION AND PROPOSED UTILITY CROSSINGS, PRIOR TO COMMENCING CONSTRUCTION.
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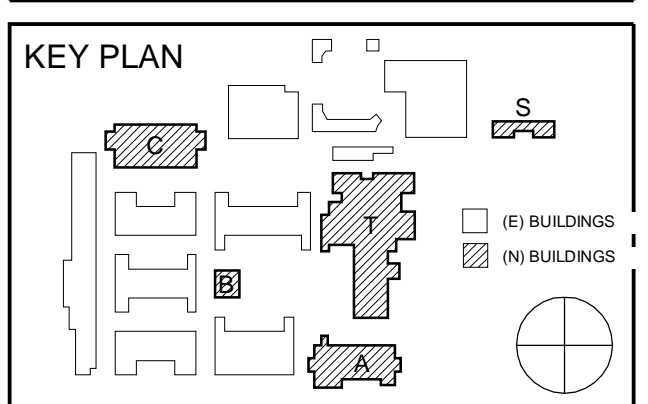


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DRWN: CEI CHKD: CEI
DATE: 04/08/2015 SCALE: AS SHOWN
PROJECT NUMBER: 1310700

UTILITY PLAN
DRAWING NUMBER: **C4.02**



CONSTRUCTION NOTES: DOMESTIC WATER

- 40 INSTALL 1-1/2" DOMESTIC WATER PIPE LINE.
- 41 INSTALL 2" DOMESTIC WATER PIPE LINE.
- 42 INSTALL 2-1/2" DOMESTIC WATER PIPE LINE.
- 43 INSTALL 3" DOMESTIC WATER PIPE LINE.
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- 48 INSTALL 6" - 45" DUCTILE IRON BEND, MJ x MJ.
- 49 INSTALL 4" - 90" DUCTILE IRON BEND, MJ x MJ.
- 50 INSTALL 6" x 6" x 2" DUCTILE IRON TEE, MJ x MJ x MJ.
- 51 INSTALL 6" x 6" x 3" DUCTILE IRON TEE, FLG x FLG x MJ.
- 52 INSTALL 6" x 4" DUCTILE IRON REDUCER, FLG x MJ.
- 53 INSTALL 6" RESILIENT WEDGE GATE VALVE, FLG x MJ.
- 54 INSTALL 6" RESILIENT WEDGE GATE VALVE, FLG x FLG.
- 55 INSTALL VALVE CAN ASSEMBLY PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 11, REFERENCE DETAIL 6 ON SHEET NO. C5.04.
- 56 INSTALL 1-1/2" THROUGH THE WALL SERVICE SADDLE, ROMAC STYLE 1015, OR APPROVED EQUAL.
- 57 CUT AND REMOVE PORTIONS OF EXISTING WATER LINE AS NECESSARY.
- 58 REMOVE EXISTING WATER LINE AS NECESSARY AND PLUG END.
- 59 REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF PIPE.
- 60A INSTALL 1" DOMESTIC WATER PIPE LINE.
- 60B INSTALL 4" x 4" TEE.

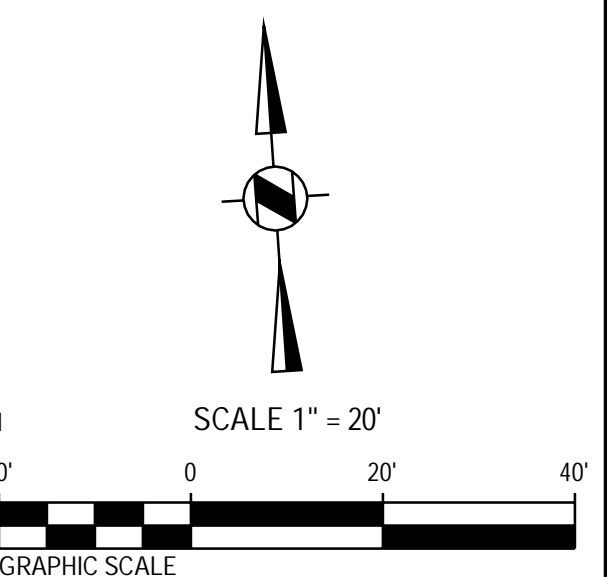
CONSTRUCTION NOTES: SEWER

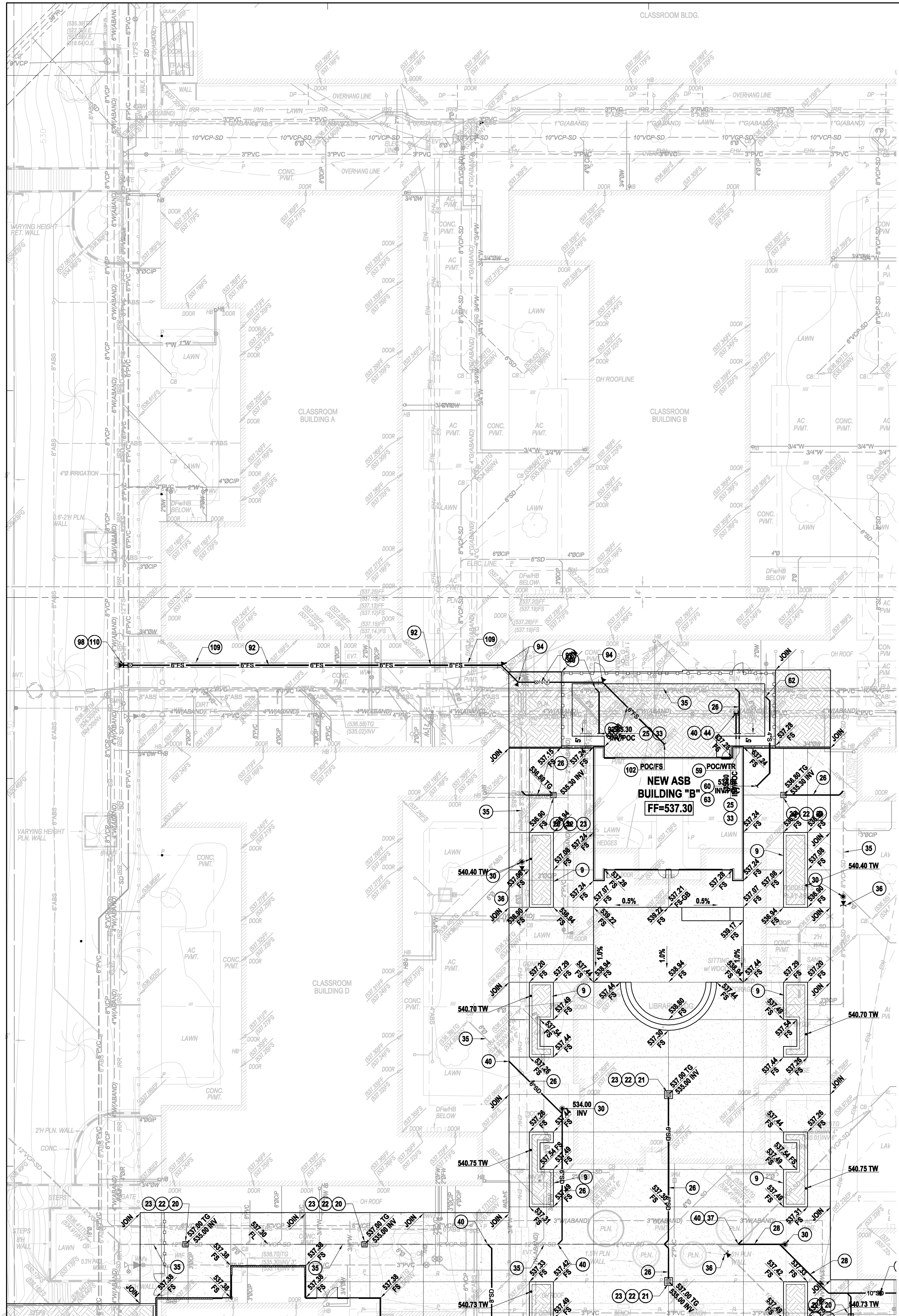
- 61 INSTALL 4" PVC SANITARY SEWER, SDR 35.
- 62 INSTALL SANITARY SEWER CLEAN OUT, REFERENCE DETAIL 8 ON SHEET C5.04.
- 63 CONNECT TO EXISTING SEWER LINE, FIELD VERIFY LOCATION, SIZE AND DEPTH PRIOR TO CONSTRUCTION, INSTALL FITTINGS AS NECESSARY.
- 64 REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF PIPE.
- 65 EXISTING SEWER LINE TO BE PROTECTED IN PLACE.

CONSTRUCTION NOTES: FIRE SERVICE

- 66 HOT TAP EXISTING 12" FIRE SERVICE LINE WITH 12" TAPPING SLEEVE AND 12" TAPPING VALVE, FE x MJ.
- 67 INSTALL 12" PVC FIRE SERVICE, C900, CLASS 150.
- 68 INSTALL 12" PVC SPOOL, C900, CLASS 150.
- 69 INSTALL 12" x 12" DUCTILE IRON TEE, FLG x FLG x FLG.
- 70 INSTALL 12" - 90" DUCTILE IRON BEND, MJ x MJ.
- 71 INSTALL 12" - 45" DUCTILE IRON BEND, MJ x MJ.
- 72 INSTALL 12" FLANGE ADAPTER.
- 73 INSTALL 12" x 12" x 6" DUCTILE IRON TEE, MJ x MJ x MJ.
- 74 INSTALL 12" x 10" DUCTILE IRON REDUCER, MJ x FLG.
- 75 INSTALL 12" x 6" DUCTILE IRON REDUCER, FLG x FLG.
- 76 INSTALL 12" TRANSITION COUPLING.
- 77 INSTALL 10" FIRE SERVICE ASSEMBLY WITH DOUBLE DETECTOR CHECK ASSEMBLY PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 20A, REFERENCE DETAIL 4 ON SHEET C5.04.
- 78 REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF SUB RISER.
- 79 REMOVE EXISTING WATER LINE AND APPURTENANCES AS NECESSARY.
- 80 ABANDON IN PLACE EXISTING WATER LINE AND CAP END, SHUT OFF WATER AT NEAREST WATER VALVE.
- 81 EXISTING FIRE HYDRANT ASSEMBLY, TO BE REMOVED.
- 82 INSTALL 12" BUTTERFLY VALVE, FLG x MJ.
- 83 INSTALL 12" x 12" DUCTILE IRON TEE, MJ x MJ x FLG.
- 84 REMOVE DDDA AND APPURTENANCES, CONTRACTOR TO COORDINATE DISPOSITION WITH WCD.
- 85 FIRE SERVICE PIPE TRENCH LIMITS, REFERENCE DETAIL 5 ON SHEET C5.01.
- 86 HOT TAP EXISTING 12" FIRE SERVICE LINE WITH 12" TAPPING SLEEVE, 2" W/4" 6" NOZZLE AND 4" TAPPING VALVE, FE x MJ.
- 87 INSTALL 6" - 90" DUCTILE IRON BEND, MJ x FE.

NOTE:
A. CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE AND DEPTH OF EXISTING UNDERGROUND UTILITIES AND POTHOLE AT ALL POINTS OF CONNECTION AND PROPOSED UTILITY CROSSINGS, PRIOR TO COMMENCING CONSTRUCTION.
B. SANITARY SEWER AND STORM DRAIN CLEANOUTS SHOWN OR NOT SHOWN ON THIS PLAN SHALL BE INSTALLED AT INTERVALS NOT TO EXCEED ONE HUNDRED FEET (100) IN TOTAL DEVELOPED LENGTH AND ANY CHANGE OF HORIZONTAL DIRECTION EXCEEDING ONE HUNDRED-THIRTY FIVE DEGREES (135°), AND PER UNIFORM PLUMBING CODE REQUIREMENTS.
C. PROVIDE CATCH BASIN FILTER INSERTS TO PROPOSED ON-SITE INLET BASINS.





CONSTRUCTION NOTES: DOMESTIC WATER

- 40. INSTALL 1-1/2" DOMESTIC WATER PIPE LINE.
- 41. INSTALL 2" DOMESTIC WATER PIPE LINE.
- 42. INSTALL 2-1/2" DOMESTIC WATER PIPE LINE.
- 43. INSTALL 3" DOMESTIC WATER PIPE LINE.
- 44. INSTALL 4" DOMESTIC WATER PIPE LINE.
- 45. INSTALL 6" DOMESTIC WATER PIPE LINE.
- 46. INSTALL 1-1/2" SINGLE STRAP SERVICE SADDLE, ROMAC STYLE 101S, OR APPROVED EQUAL.
- 47. INSTALL 2-1/2" DOUBLE STRAP SERVICE SADDLE, ROMAC STYLE 202S, OR APPROVED EQUAL.
- 48. INSTALL 6" - 45° DUCTILE IRON BEND, M.J. x M.J.
- 49. INSTALL 4" - 90° DUCTILE IRON BEND, M.J. x M.J.
- 50. INSTALL 6" x 6" x 2" DUCTILE IRON TEE, M.J. x M.J. x M.J.
- 51. INSTALL 6" x 6" x 3" DUCTILE IRON TEE, FLG x FLG x M.J.
- 52. INSTALL 6" x 4" DUCTILE IRON REDUCER, FLG x M.J.
- 53. INSTALL 6" RESILIENT WEDGE GATE VALVE, FLG x M.J.
- 54. INSTALL 6" RESILIENT WEDGE GATE VALVE, FLG x M.J.
- 55. REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF PIPE.
- 56. REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF PIPE.
- 57. CUT AND REMOVE PORTIONS OF EXISTING WATER LINE AS NECESSARY.
- 58. REMOVE EXISTING WATER LINE AS NECESSARY AND PLUG END.
- 59. REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF PIPE.
- 60A. INSTALL 1" DOMESTIC WATER PIPE LINE.
- 60B. INSTALL 4" x 4" x 1" TEE.

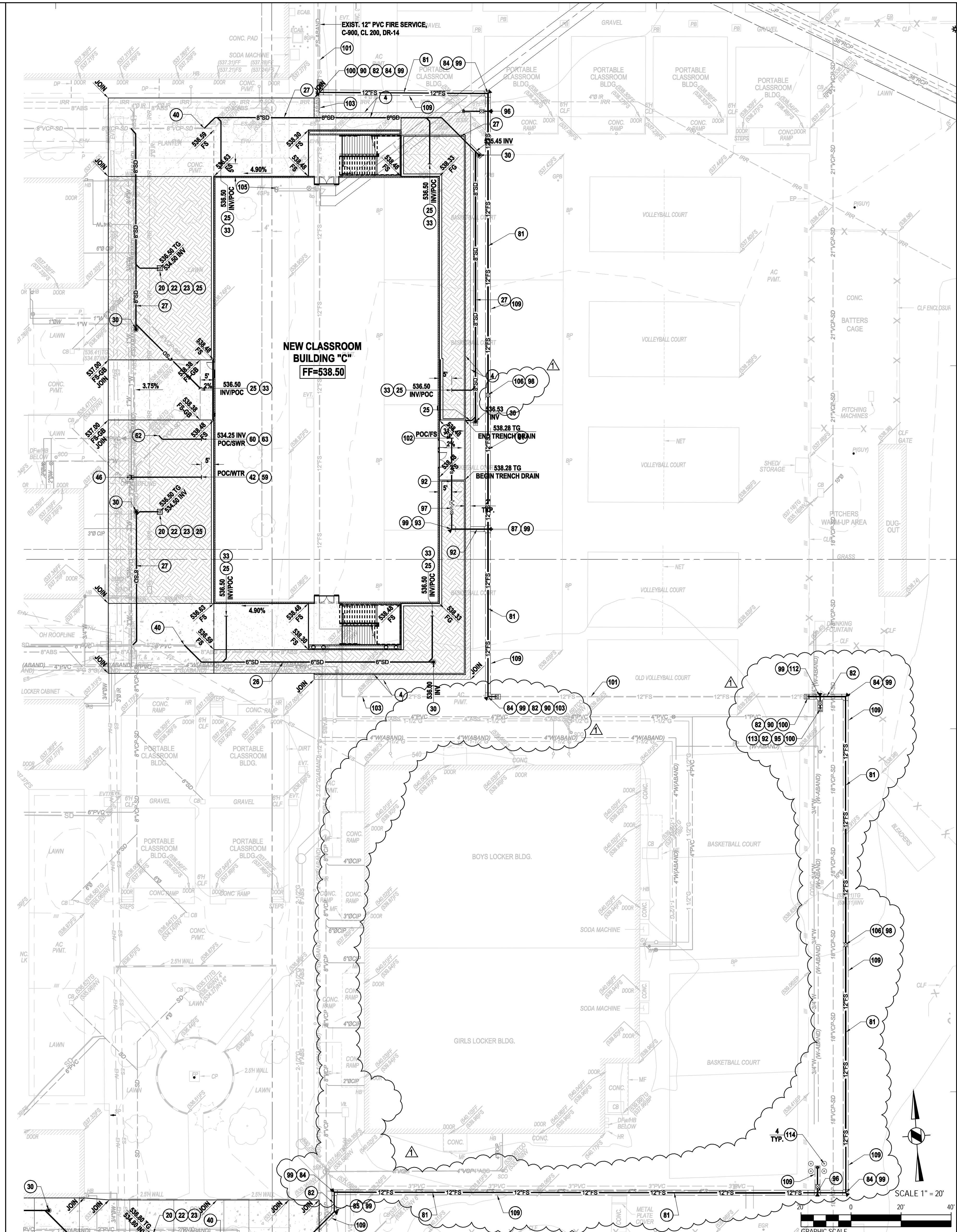
CONSTRUCTION NOTES: SEWER

- 60. INSTALL 4" PVC SANITARY SEWER, SDR 35.
- 61. INSTALL SANITARY SEWER CLEAN OUT. REFERENCE DETAIL 8 ON SHEET C5.04.
- 62. CONNECT TO EXISTING SEWER LINE. FIELD VERIFY LOCATION, SIZE AND DEPTH PRIOR TO CONSTRUCTION. INSTALL FITTINGS AS NECESSARY.
- 63. REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF PIPE.
- 64. EXISTING SEWER LINE TO BE PROTECTED IN PLACE.

CONSTRUCTION NOTES: FIRE SERVICE

- 80. HOT TAP EXISTING 12" FIRE SERVICE LINE WITH 12" TAPPING SLEEVE AND 12" TAPPING VALVE, FE x M.J.
- 81. INSTALL 12" PVC FIRE SERVICE, C900, CLASS 150.
- 82. INSTALL 12" PVC SPOOL, C900, CLASS 150.
- 83. INSTALL 12" x 12" x 12" DUCTILE IRON TEE, FLG x FLG x FLG.
- 84. INSTALL 12" - 90° DUCTILE IRON BEND, M.J. x M.J.
- 85. INSTALL 12" - 45° DUCTILE IRON BEND, M.J. x M.J.
- 86. INSTALL 12" FLANGE ADAPTER.
- 87. INSTALL 12" x 12" x 6" DUCTILE IRON TEE, M.J. x M.J. x M.J.
- 88. INSTALL 12" x 10" DUCTILE IRON REDUCER, M.J. x FLG.
- 89. INSTALL 12" x 6" DUCTILE IRON REDUCER, FLG x FLG.
- 90. INSTALL 12" TRANSITION COUPLING.
- 91. INSTALL 10" FIRE SERVICE ASSEMBLY WITH DOUBLE DETECTOR CHECK ASSEMBLY PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 20A, REFERENCE DETAIL 4 ON SHEET C5.04.
- 92. INSTALL 6" PVC FIRE SERVICE, C900, CLASS 150.
- 93. INSTALL 6" - 90° DUCTILE IRON BEND, M.J. x M.J.
- 94. INSTALL 6" - 45° DUCTILE IRON BEND, M.J. x M.J.
- 95. INSTALL 6" GATE VALVE, FLG x M.J.
- 96. INSTALL FIRE HYDRANT ASSEMBLY PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 8, REFERENCE DETAIL 5 ON SHEET C5.04.
- 97. INSTALL FIRE DEPARTMENT CONNECTION, CHECK VALVE, AND POST INDICATOR VALVE. REFERENCE DETAIL 3 ON SHEET C5.04.
- 98. INSTALL VALVE CAN ASSEMBLY PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 11, REFERENCE DETAIL 6 ON SHEET NO. C5.04.
- 99. INSTALL THURST BLOCK PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 13, REFERENCE DETAIL 1 ON SHEET NO. C5.04.
- 100. CUT AND REMOVE INTERFERING PORTIONS OF EXISTING WATER LINE AS NECESSARY.
- 101. EXISTING WATER LINE TO BE PROTECTED IN PLACE.
- 102. REFER TO BUILDING PLUMBING PLANS FOR LOCATION, ELEVATION AND SIZE OF STUB RISER.
- 103. REMOVE EXISTING WATER LINE AND APPURTENANCES AS NECESSARY.
- 104. ABANDON IN PLACE EXISTING WATER LINE AND CAP END. SHUT OFF WATER AT NEAREST WATER VALVE.
- 105. EXISTING FIRE HYDRANT ASSEMBLY TO BE REMOVED.
- 106. INSTALL 12" GATE VALVE, M.J. x M.J.
- 107. INSTALL 12" x 12" x 12" DUCTILE IRON TEE, M.J. x M.J. x FLG.
- 108. REMOVE DCCDA AND APPURTENANCES. CONTRACTOR TO COORDINATE DISPOSITION WITH WVCD.
- 109. FIRE SERVICE PIPE TRENCH LIMITS. REFERENCE DETAIL 5 ON SHEET C5.01.
- 110. HOT TAP EXISTING 12" FIRE SERVICE LINE WITH 12" TAPPING SLEEVE AND 12" TAPPING VALVE, FE x M.J.
- 111. INSTALL 6" - 90° DUCTILE IRON BEND, M.J. x FE.
- 112. INSTALL 12" x 12" x 6" DUCTILE IRON TEE, M.J. x M.J. x FLG.
- 113. INSTALL 6" TRANSITION COUPLING.
- 114. INSTALL GUARD POST DETAIL PER WALNUT VALLEY WATER DISTRICT STANDARD DRAWING NO. 27, REFERENCE DETAIL 7 ON SHEET C5.04.

NOTE:
 A. CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE AND DEPTH OF EXISTING UNDERGROUND UTILITIES AND POT HOLE AT ALL POINTS OF CONNECTION AND PROPOSED UTILITY CROSSINGS. PRIOR TO COMMENCING CONSTRUCTION.
 B. SANITARY SEWER AND STORM DRAIN CLEANOUTS SHOWN OR NOT SHOWN ON THIS PLAN SHALL BE INSTALLED AT INTERVALS NOT TO EXCEED ONE HUNDRED FEET (100') IN TOTAL DEVELOPED LENGTH AND ANY CHANGE OF HORIZONTAL DIRECTION EXCEEDING ONE HUNDRED THIRTY FIVE DEGREES (135°), AND PER UNIFORM PLUMBING CODE REQUIREMENTS.
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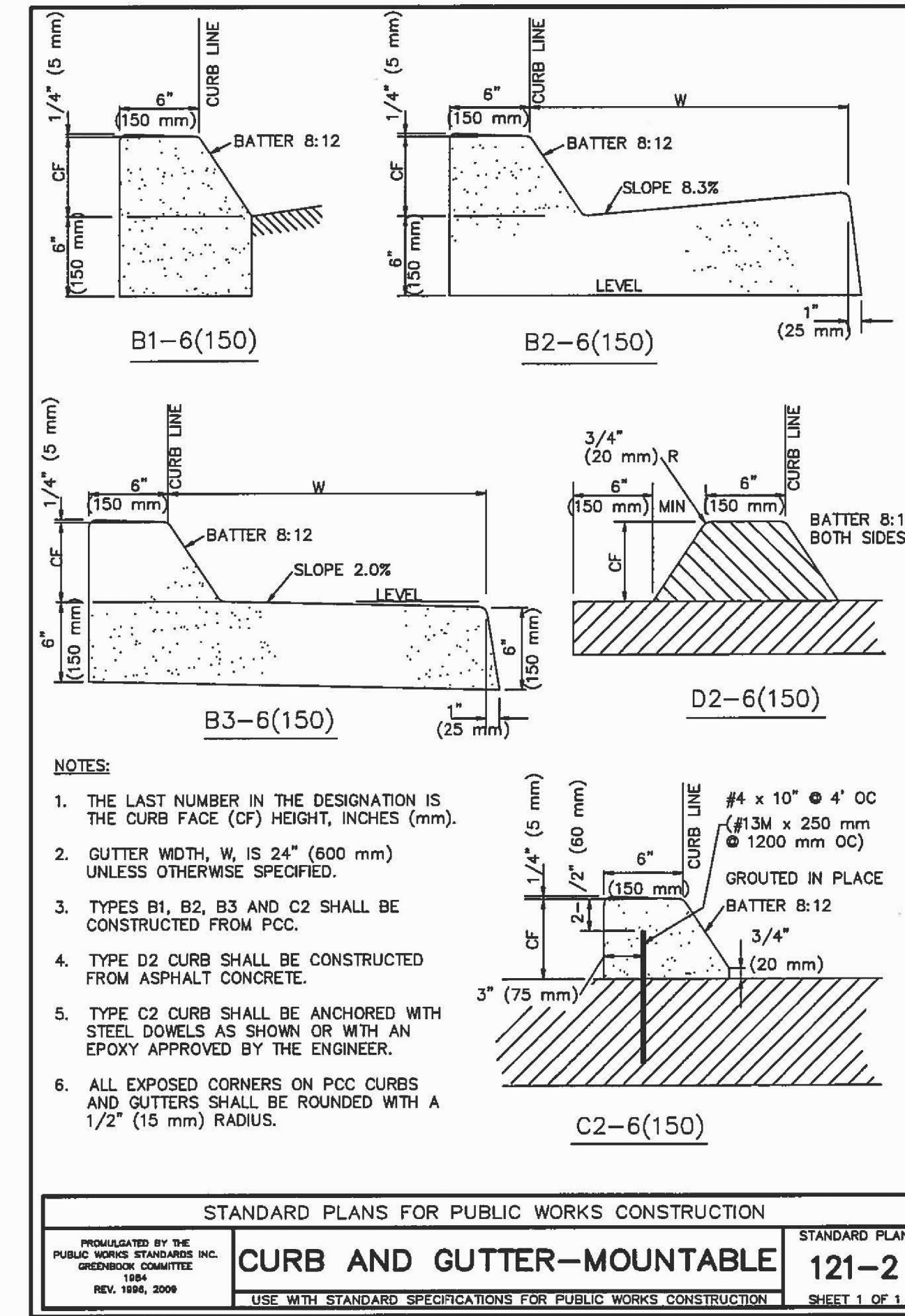
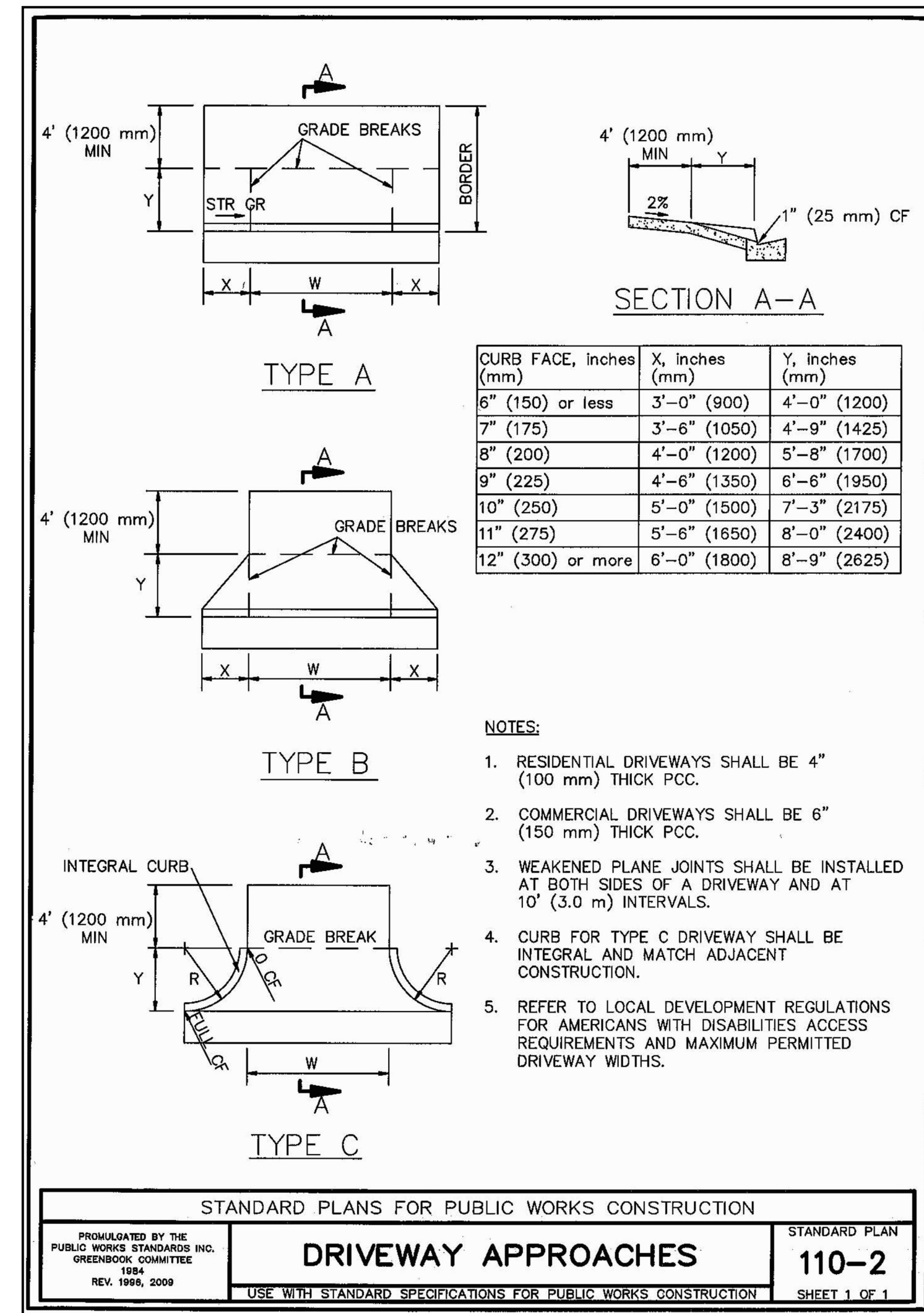
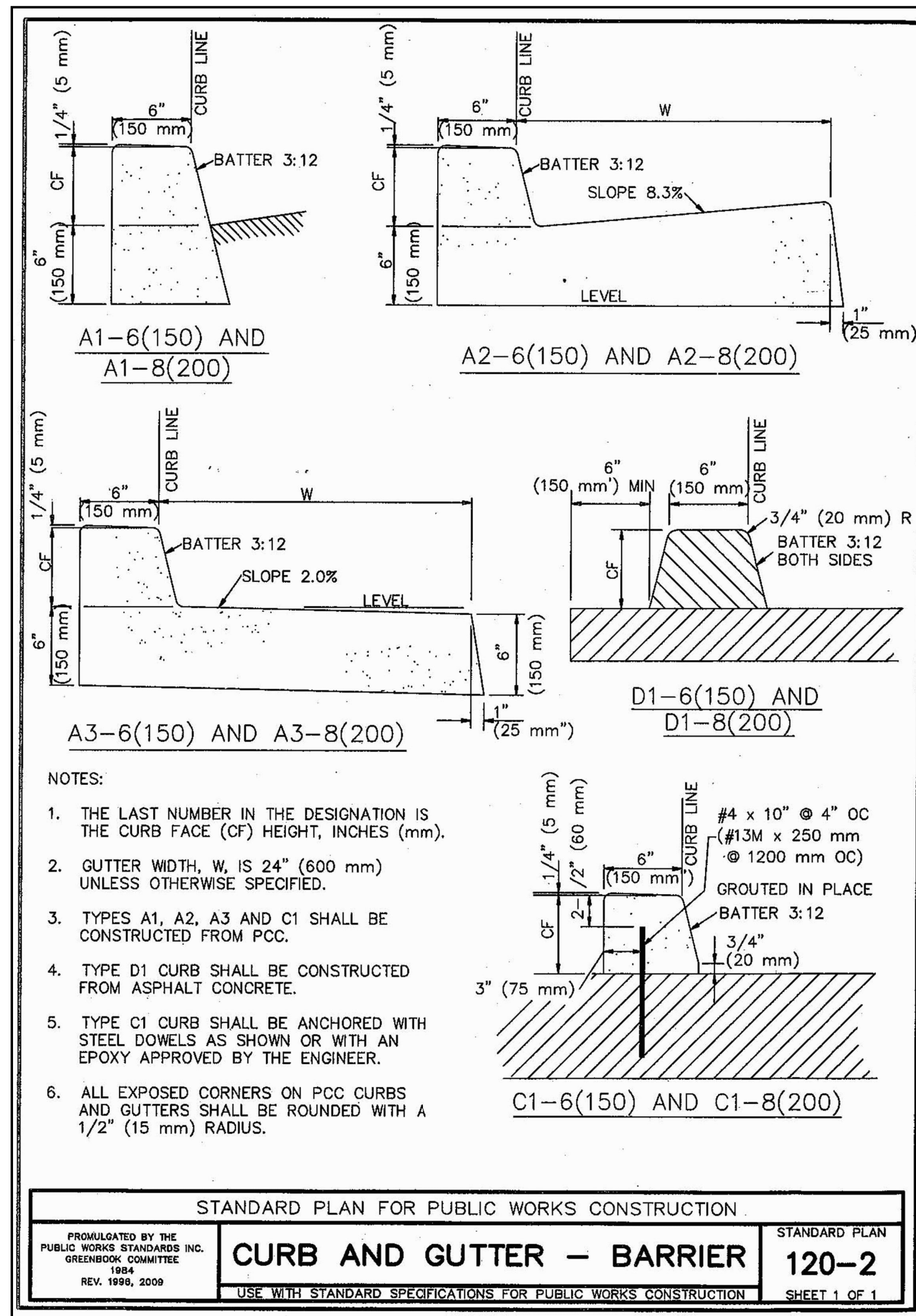
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 FILE:19-1454
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KEY PLAN

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/21/2015		ADDENDUM 1

DRWN: CEI CHKD: CEI
 DATE: 04/08/2015 SCALE: AS SHOWN
 PROJECT NUMBER: 1310700

UTILITY PLAN
 DRAWING NUMBER: **C4.03**



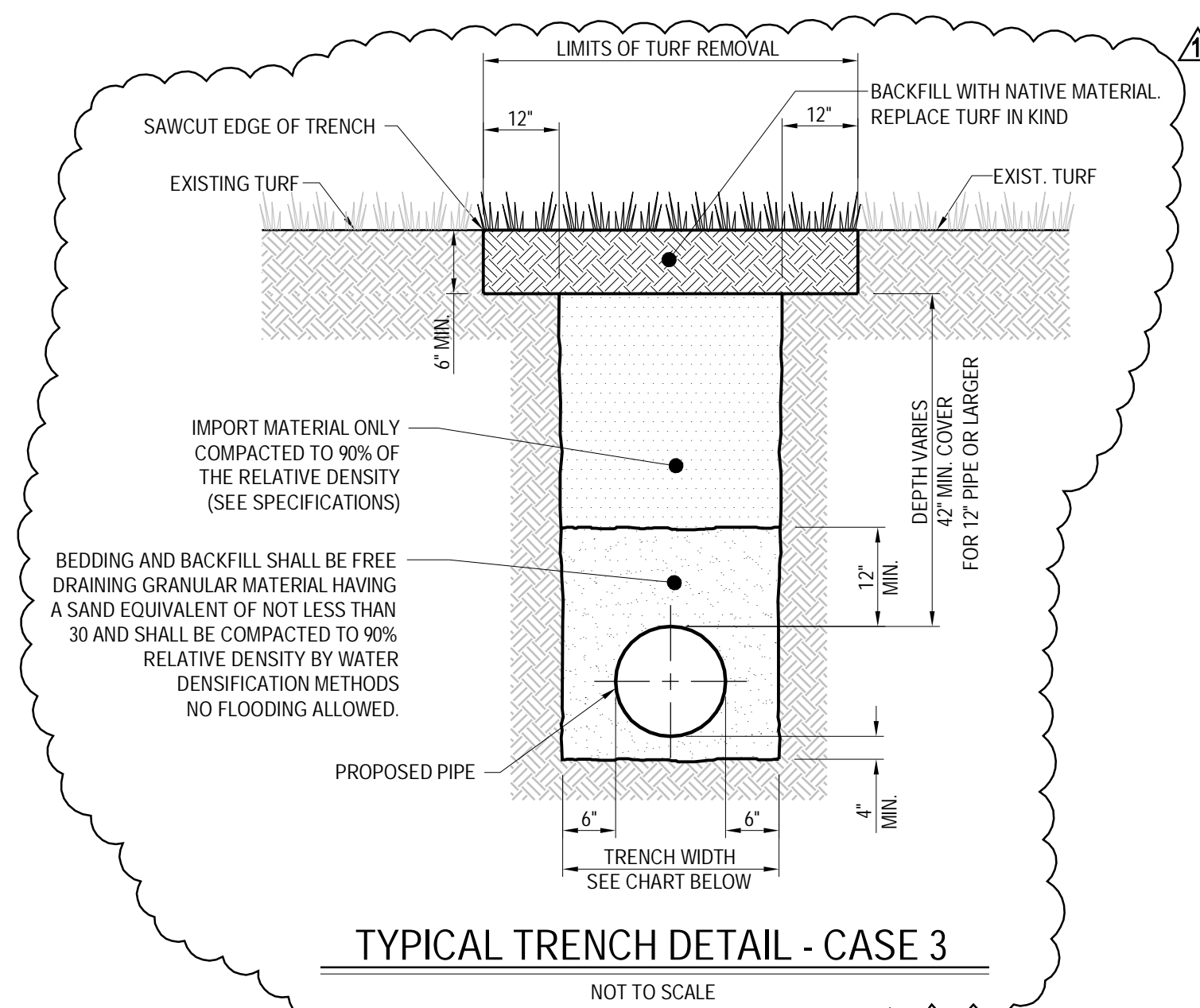
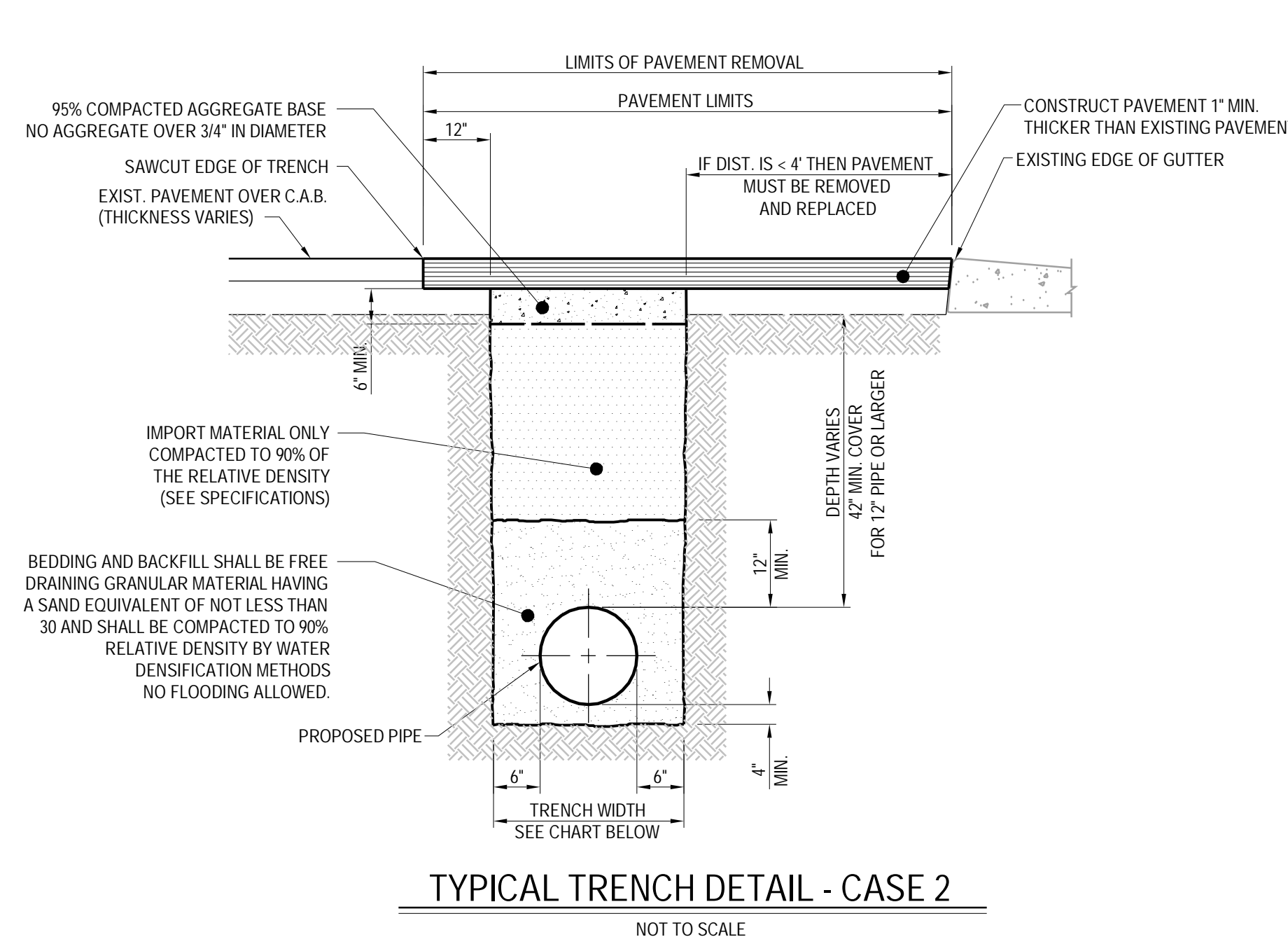
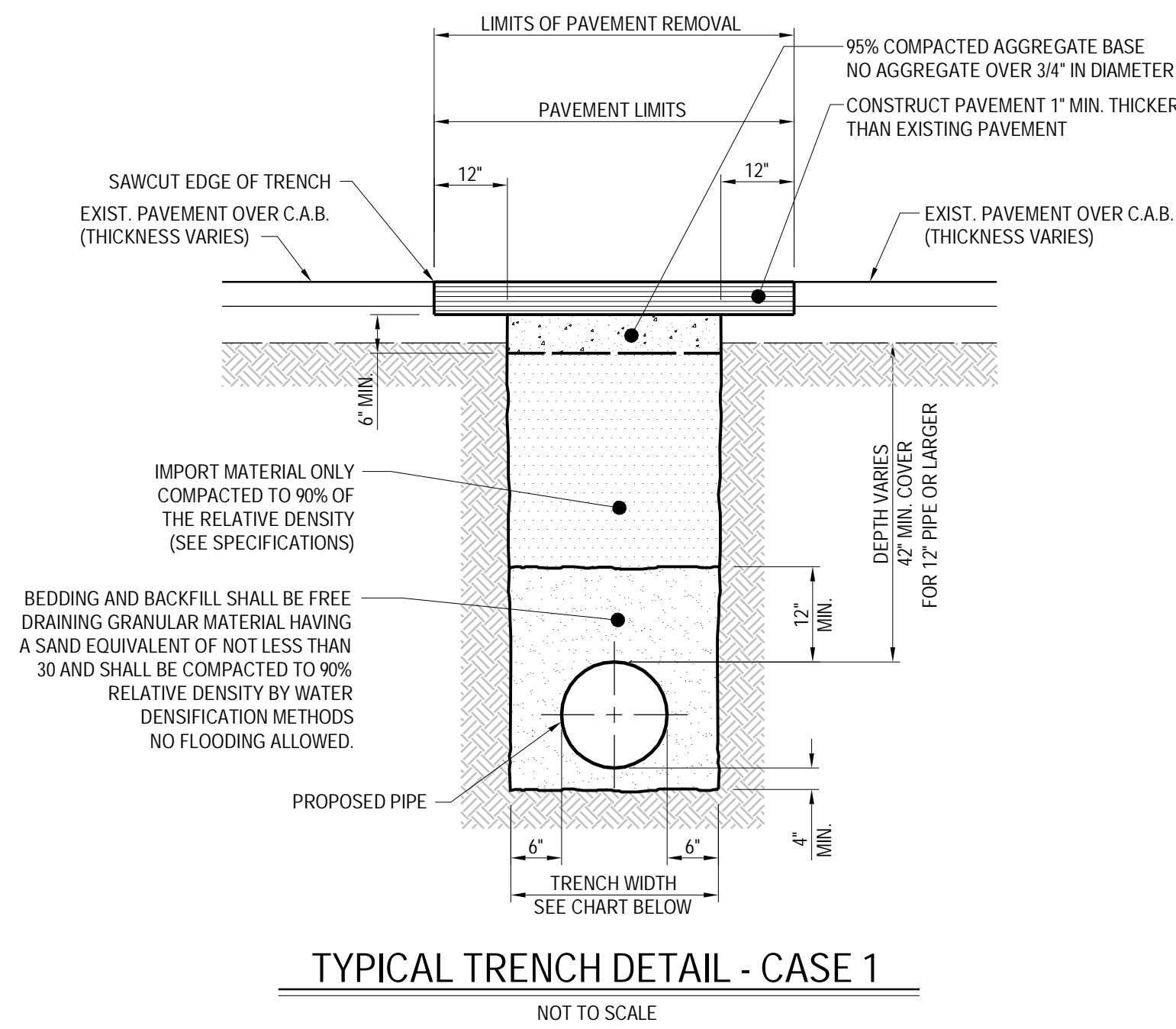
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1 CURB AND GUTTER - BARRIER

2 DRIVEWAY APPROACHES

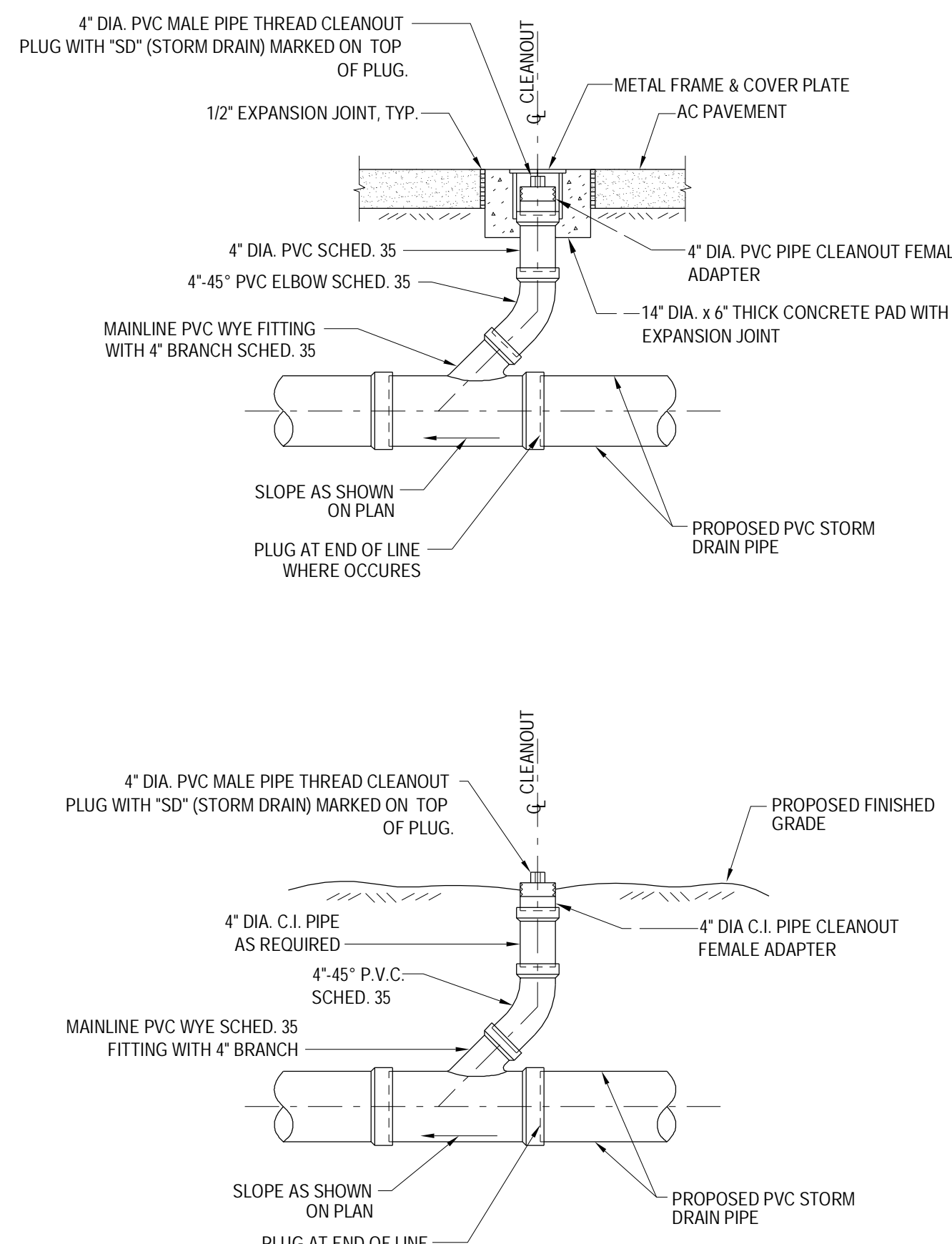
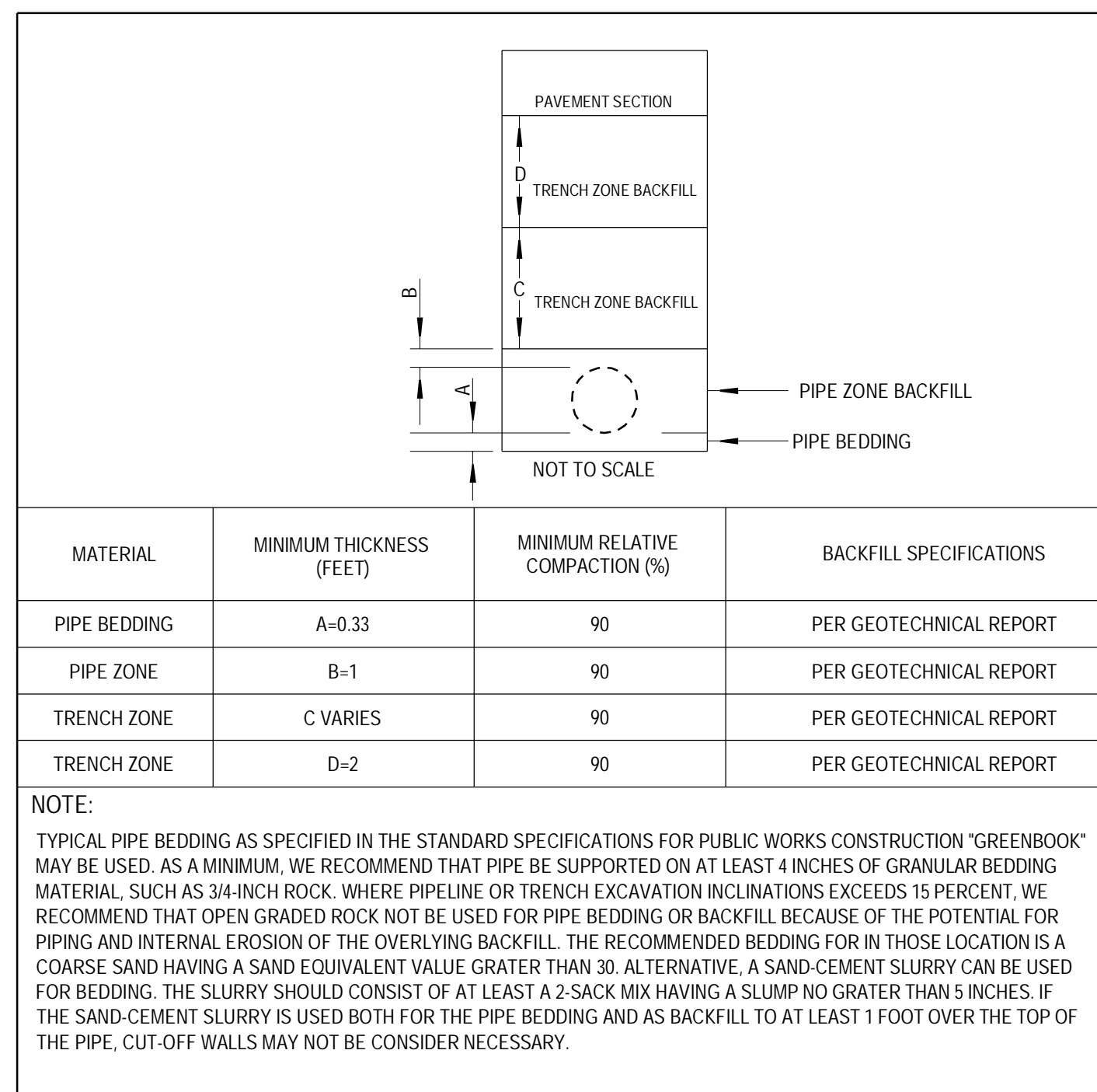
3 CURB AND GUTTER - MOUNTABLE

4



PIPE SIZE (D)	4"	6"	8"	10"	12"	14"	16"	20"	24"	30"
MAXIMUM ALLOWED TRENCH WIDTH	20"	20"	20"	22"	24"	26"	28"	32"	36"	42"

- NOTES:**
- MINIMUM WIDTH OF TRENCH REPAIR SHALL BE 18".
 - A SAND SLURRY BACKFILL WITH (1) SACK OF CEMENT PER CUBIC YARD MAY BE REQUIRED BY THE INSPECTOR AT EXISTING UTILITY CROSSINGS.
 - ALL TRENCHES SHALL BE BACKFILLED BEFORE THE CLOSE OF EACH DAY'S WORK, OR THE EXCAVATION COMPLETELY COVERED OR FENCED TO A HEIGHT OF 5' OR TO THE SATISFACTION OF THE CITY ENGINEER. STEEL PLATING MAY BE USED IF APPROVED BY THE ENGINEERING DEPARTMENT.



5

TYPICAL TRENCH DETAIL

6

STORM DRAIN CLEAN OUT

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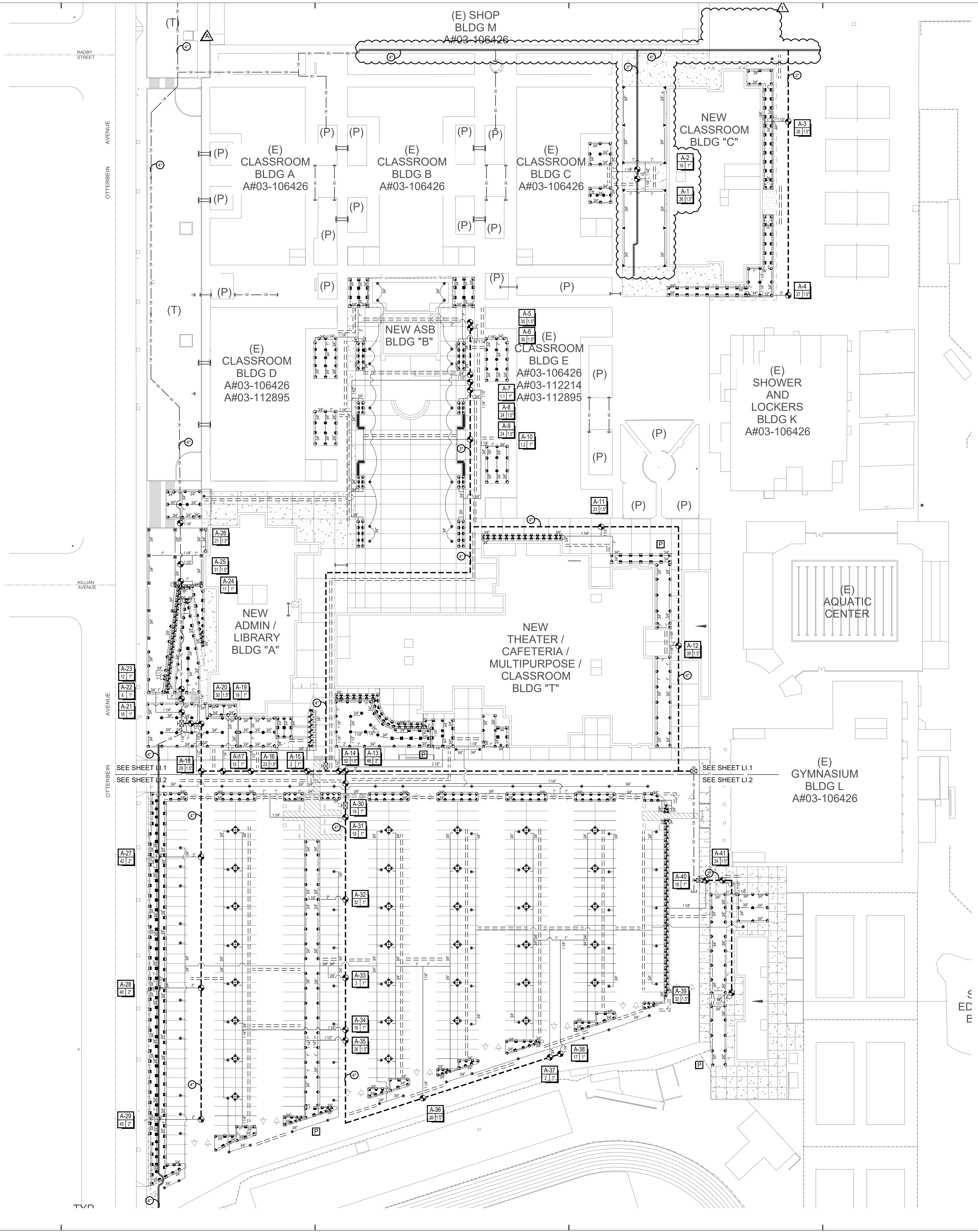
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04/08/2015	DSA BACK CHECK	
12/21/2015	ADDENDUM 1	

DRWN: CEI CHKD: CEI
 DATE: 04/08/2015 SCALE: AS SHOWN
 PROJECT NUMBER: 1310700

IMPROVEMENT DETAILS

DRAWING NUMBER: **C5.01**



TRANSITE PIPE NOTE:
 IN THE EVENT TRANSITE PIPE IS ENCOUNTERED, CONTRACTOR SHALL FOLLOW ALL STATE AND LOCAL LAWS INCLUDING AS OUTLINED BY CAL OSHA REGARDING HANDLING OF ASBESTOS CONTAINING MATERIAL (ACM) AND CLASS II AND CLASS III ASBESTOS WORK ACTIVITY AS DEFINED IN 1926.1101. WHEREVER POSSIBLE CONTRACTOR SHALL NOT CUT OR TOUCH IN ANY MANNER ANY TRANSITE PIPE.

TYPICAL HEAD ADJUSTMENT NOTE:
 CONTRACTOR TO ADJUST ALL HEADS TO PROVIDE HEAD TO HEAD COVERAGE AND TO MAKE SURE THERE IS NO OVER SPRAY ON TO HARDSCAPE.

CONDUIT NOTE:
 CONTRACTOR SHALL INSTALL ALL REMOTE CONTROL VALVE WIRES IN CONDUIT PER CONDUIT SIZING LEGEND. INSTALL PULL BOXES EVERY 200' AND ON EACH SIDE OF HARDSCAPE.

CONTROLLER WIRES NOTE:
 CONTRACTOR SHALL INSTALL CONTROLLER WIRES TO PULL BOXES FOR FUTURE USE.

IRRIGATION COMPONENTS NOTE:
 CONTRACTOR SHALL TURN OVER ALL IRRIGATION COMPONENTS REMOVED TO OWNERS REPRESENTATIVE.

IRRIGATION EQUIPMENT NOTE:
 IRRIGATION PLAN IS SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL INSTALL IRRIGATION EQUIPMENT IN PLANTING AREAS.

IRRIGATION EQUIPMENT NOTE:
 CONTRACTOR SHALL USE TEFLON TAPE ON ALL THREADS. NO MARLEX FITTINGS.

DESIGN PRESSURE NOTE:
 CONTRACTOR TO VERIFY PRIOR TO STARTING JOB THAT EXISTING WATER PRESSURE HAS ENOUGH PRESSURE TO RUN SYSTEM. IF THERE IS NOT ENOUGH WATER PRESSURE AT THE SITE TO RUN THE SYSTEM, CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT.

IRRIGATION MAINLINE AND LATERAL LINE NOTES:
 CONTRACTOR SHALL INSTALL IRRIGATION MAINLINE AND LATERAL LINES IN PLANTING AREAS TYPICAL, MAINLINE, VALVES, AND LATERAL LINES SHOWN IN HARDSCAPE AREAS FOR CLARITY.

SITE GRADING NOTE:
 CONTRACTOR IS TO CONTACT GENERAL CONTRACTOR, IF SITE CONDITIONS ARE DIFFERENT THEN WHAT IS SHOWN ON THE PLANS.

CHECK VALVE NOTE:
 CONTRACTOR SHALL INSTALL LINE SIZE CHECK VALVES IF NEEDED TO INSURE NO RUN OFF.

RECYCLED WATER SYSTEM:
 IT IS THE INTENT OF THIS DESIGN THAT THE IRRIGATION SYSTEM BE INSTALLED AS A RECYCLED WATER SYSTEM. CONTRACTOR SHALL FOLLOW ALL LOCAL AND STATE REGULATIONS INCLUDING BUT NOT LIMITED TO PURPLE PIPE, BOXES, COMPONENTS WHEN AVAILABLE AND SIGNAGE BE POSTED.

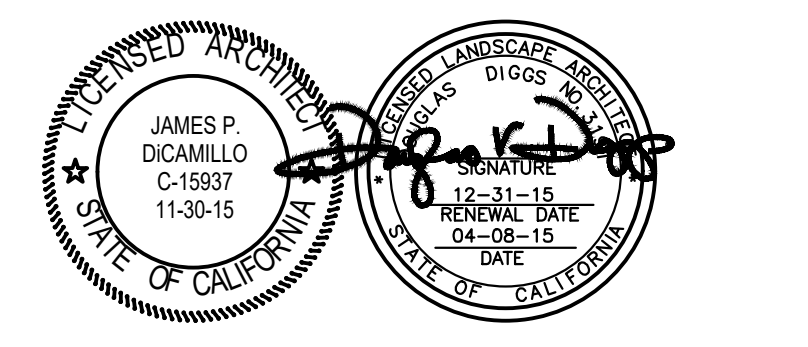
SLEEVING NOTE:
 CONTRACTOR TO SLEEVE ALL MAINLINES, LATERALS AND CONTROLLER WIRES, UNDER ANY HARDSCAPE.

EX. MAINLINE & LATERAL LINES NOTE:
 CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE IRRIGATION MAINLINE AND LATERAL LINES IN THE FIELD. EXISTING IRRIGATION MAINLINE TAKEN FROM IRRIGATION PLOT PLAN DATED JULY 1963. CONTRACTOR SHALL VERIFY INFORMATION BEFORE START OF CONSTRUCTION.

UTILITIES NOTE:
 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES AND TO ENSURE NOT TO DAMAGE ANY UTILITIES. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

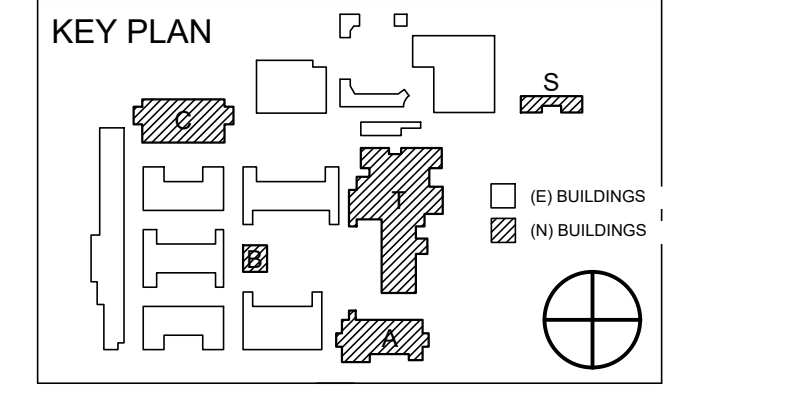
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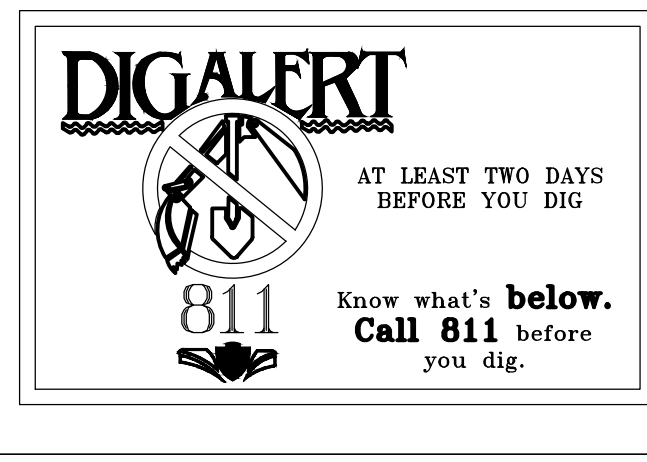
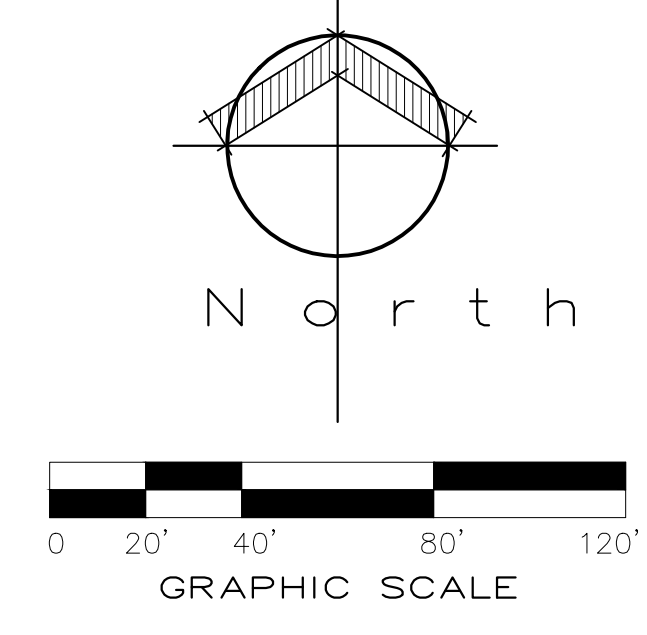
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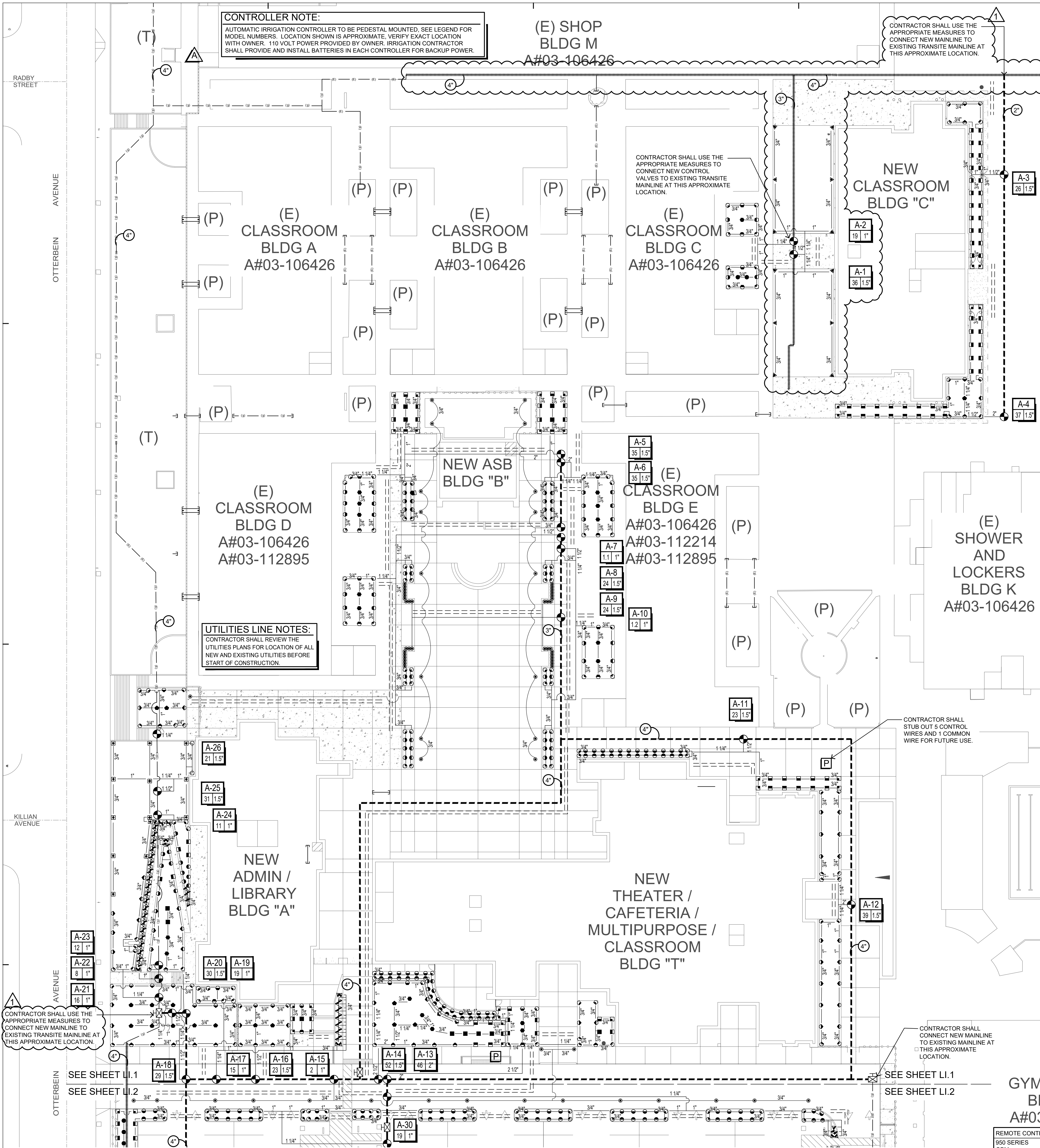


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05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: JV CHKD: DVD
 DATE: 04/08/15 SCALE: 1" = 40'-0"
 PROJECT NUMBER: 1310700

OVERALL LANDSCAPE IRRIGATION PLAN
 DRAWING NUMBER: **L.I.A**





CONTROLLER NOTE:
 AUTOMATIC IRRIGATION CONTROLLER TO BE PEDESTAL MOUNTED. SEE LEGEND FOR MODEL NUMBERS. LOCATION SHOWN IS APPROXIMATE. VERIFY EXACT LOCATION WITH OWNER. 110 VOLT POWER PROVIDED BY OWNER. IRRIGATION CONTRACTOR SHALL PROVIDE AND INSTALL BATTERIES IN EACH CONTROLLER FOR BACKUP POWER.

CONTRACTOR SHALL USE THE APPROPRIATE MEASURES TO CONNECT NEW MAINLINE TO EXISTING TRANSITE MAINLINE AT THIS APPROXIMATE LOCATION.

CONTRACTOR SHALL USE THE APPROPRIATE MEASURES TO CONNECT NEW CONTROL VALVES TO EXISTING TRANSITE MAINLINE AT THIS APPROXIMATE LOCATION.

CONTRACTOR SHALL STUB OUT 5 CONTROL WIRES AND 1 COMMON WIRE FOR FUTURE USE.

CONTRACTOR SHALL CONNECT NEW MAINLINE TO EXISTING MAINLINE AT THIS APPROXIMATE LOCATION.

IRRIGATION LEGEND

SYMBOL	MANUF.	MODEL	DEGREES	TYPE	GPM	PSI	RADIUS	DTL. REF.
●	SALCO	SLV-PSTR-CV-2	360	S. BUBBLER	2.0 GPH	30	N/A	I-J / SHEET LI.1
▲	RAINBIRD	RD-XX-S-P30-F-N-50	90	POP-UP	.10	30	2'-5"	A / SHEET LI.1
▼	RAINBIRD	RD-XX-S-P30-F-N-5H	180	POP-UP	.20	30	2'-5"	A / SHEET LI.1
◆	RAINBIRD	RD-XX-S-P30-F-N-5F	180	POP-UP	.20	30	2'-5"	A / SHEET LI.1
●	RAINBIRD	RD-XX-S-P30-F-N-8Q	90	POP-UP	.26	30	6'-8"	A / SHEET LI.1
●	RAINBIRD	RD-XX-S-P30-F-N-8H	180	POP-UP	.52	30	6'-8"	A / SHEET LI.1
●	RAINBIRD	RD-XX-S-P30-F-N-8F	180	POP-UP	.52	30	6'-8"	A / SHEET LI.1
■	RAINBIRD	RD-XX-S-P30-F-N-10Q	90	POP-UP	.39	30	8'-10"	A / SHEET LI.1
■	RAINBIRD	RD-XX-S-P30-F-N-10H	180	POP-UP	.79	30	8'-10"	A / SHEET LI.1
■	RAINBIRD	RD-XX-S-P30-F-N-10F	180	POP-UP	.79	30	8'-10"	A / SHEET LI.1
○	RAINBIRD	RD-XX-S-P30-F-N-12Q	90	POP-UP	.92	30	10'-12"	A / SHEET LI.1
○	RAINBIRD	RD-XX-S-P30-F-N-12H	180	POP-UP	1.85	30	10'-12"	A / SHEET LI.1
○	RAINBIRD	RD-XX-S-P30-F-N-12F	180	POP-UP	3.70	30	10'-12"	A / SHEET LI.1
○	RAINBIRD	RD-XX-S-P30-F-N-15Q	90	POP-UP	.92	30	12'-15"	A / SHEET LI.1
○	RAINBIRD	RD-XX-S-P30-F-N-15H	180	POP-UP	1.85	30	12'-15"	A / SHEET LI.1
○	RAINBIRD	RD-XX-S-P30-F-N-15F	180	POP-UP	3.70	30	12'-15"	A / SHEET LI.1
○	HUNTER	I-20-06-R-4-0-SS	90	ROTOR	3.0	45	40"	B / SHEET LI.1
○	HUNTER	I-20-06-R-3-0-SS	180	ROTOR	3.0	45	38"	B / SHEET LI.1
○	HUNTER	I-20-06-R-1-5SR-SS	90	ROTOR	1.5	50	25"	B / SHEET LI.1
○	HUNTER	I-20-06-R-2-0LA-SS	90	ROTOR	2.1	50	28"	B / SHEET LI.1
○	HUNTER	I-20-06-R-2-0LA-SS	180	ROTOR	2.1	50	28"	B / SHEET LI.1
○	HUNTER	I-20-06-R-2-0LA-SS	360	ROTOR	2.1	50	28"	B / SHEET LI.1

NOTE: PURPLE CAPPED SPRAY HEADS SHALL BE 6" POP-UPS IN TURF AREAS AND 12" POP-UPS IN SHRUB AND GROUND COVER AREAS

●	SUPERIOR	1000 (5 GPM+) 850-DIGB (0-4 GPM)	REMOTE CONTROL VALVE WITH ALL PURPOSE SOLENOID INSTALL IN PLANTER AREAS - TYPICAL.	G / SHEET LI.1
■	NIBCO	T-580-70-86 (2" AND SMALLER) F-619-RV-SON (2-1/2" AND LARGER)	BRONZE GATE VALVE WITH SCREW-IN BONNET (SIZE PER MAINLINE LINE SIZE) INSTALL IN PLANTER AREAS - TYPICAL.	K / SHEET LI.1
—	PURPLE P.V.C.	SCH 40	1 1/2" & SMALLER NON-PRESSURE LATERAL LINE WITH SCH. 40 FITTINGS. THREADED FITTINGS SHALL BE SCH. 80 (SIZE PER PLAN)	C-E / SHEET LI.1
—	PURPLE P.V.C.	CLASS 315	2" AND LARGER NON-PRESSURE LATERAL LINE WITH SCH. 40 FITTINGS. THREADED FITTINGS SHALL BE SCH. 80 (SIZE PER PLAN)	C-E / SHEET LI.1
—	PURPLE P.V.C.	CLASS 315	PRESSURE MAINLINE 2" THRU 4" THREADED FITTINGS SHALL BE SCH. 80 (SIZE PER PLAN)	C-E / SHEET LI.1
—	PURPLE P.V.C.	CLASS 200 BELLED AND GASKETED	PRESSURE MAINLINE 6" THREADED FITTINGS SHALL BE SCH. 80 (SIZE PER PLAN)	C-E / SHEET LI.1
—	EXISTING IRRIGATION MAINLINE TO REMAIN		PROTECT IN PLACE.	
—	EXISTING IRRIGATION TRANSITE MAINLINE TO REMAIN		PROTECT IN PLACE. DO NOT DISTURB.	
—	PURPLE P.V.C.	SCH. 40	SLEEVE FOR PRESSURE MAINLINE (TWO X THE DIA. OF PIPE)	C / SHEET LI.1
□			NEW PULL BOX. INSTALL IN PLANTER AREAS WHENEVER POSSIBLE. CONCRETE BOXES SHALL BE USED WHEN INSTALLED IN HARDSCAPE AREAS. IN ADDITION TO BOXES SHOWN ON PLANS CONTRACTOR SHALL INSTALL ADDITIONAL BOXES AS NOTED PER WIRE. CONDUIT NOTE.	F / SHEET LI.1
▲			MANUFACTURER RAINBIRD ESP-LXME 48 STATION, WITH RSD-BE-WIRED RAIN SENSOR TO BE SUPPLIED BY IRRIGATION CONTRACTOR MODEL# IC46-R82-48ETM-LXSP1 120V ELECTRICAL LINE SHALL BE SUPPLIED BY GENERAL CONTRACTOR INSTALL PER MANU.'S RECOMMENDATIONS, PROVIDE CERTIFICATION OF INSTALLATION TO L.A. AND OWNER. CONTRACTOR SHALL PROVIDE ETHERNET CONNECTION TO THE CONTROLLER(S)	H / SHEET LI.1

CONTROLLERS
 INSTALL IRRIGATION CONTROLLERS IN THE APPROXIMATE LOCATIONS SHOWN ON THE DRAWINGS. FINAL CONTROLLER LOCATIONS TO BE APPROVED IN THE FIELD BY THE OWNER OR AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL ORDER A PRE-CON MEETING WITH MANUFACTURER REPRESENTATIVE, PRIOR TO START OF CONSTRUCTION CONNECTIONS BETWEEN THE CONTROLLER AND REMOTE CONTROL VALVES SHALL BE MADE WITH DIRECT BURIAL AWG UL-JF WIRE. INSTALLED INSIDE GRAY SCHEDULE 40 P.V.C. CONDUIT SIZED AT TWICE THE DIAMETER OF THE WIRE BUNDLE CARRIED THE MINIMUM SIZE OF THE CONDUIT BEING 2 INCH

SLEEVING
 MAINLINE AND VALVES SHOWN OUTSIDE OF PLANTED AREAS FOR CLARITY ONLY. INSTALL ALL IRRIGATION EQUIPMENT IN ADJACENT PLANTED AREAS EXCEPT WHERE SLEEVING IS SHOWN ON THE PLANS. ALL PIPES AND WIRES THAT MUST RUN UNDER HARDSCAPE TO BE SLEEVED IN SCH 40 PVC SLEEVES ACCORDING TO THE SLEEVING CHART.

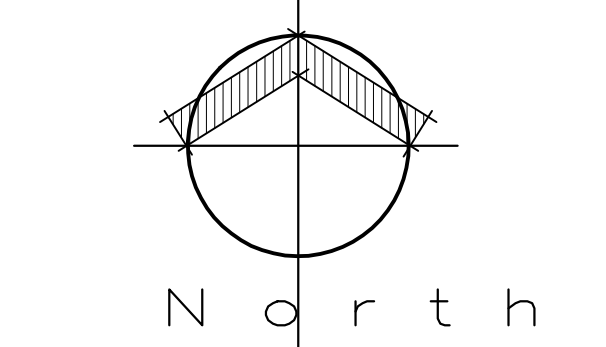
TRANSITE PIPE NOTE:
 IN THE EVENT TRANSITE PIPE IS ENCOUNTERED, CONTRACTOR SHALL FOLLOW ALL STATE AND LOCAL LAWS INCLUDING AS OUTLINED BY CALIFORNIA REGARDING HANDLING OF SOLID CONTAINING MATERIAL (ACM) AND CLASS II AND CLASS III ASBESTOS WORK ACTIVITY AS DEFINED IN 1926.1101. WHEREVER POSSIBLE CONTRACTOR SHALL NOT CUT OR TOUCH IN ANY MANNER ANY TRANSITE PIPE.

GENERAL IRRIGATION NOTES

- ALL DIMENSIONS & CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR ON THE JOB SITE.
- ANY DISCREPANCIES OR OMISSIONS SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECTS ATTENTION PRIOR TO WORK.
- THE IRRIGATION PLAN IS DIAGRAMMATIC. ALL PIPE, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR PLAN CLARIFICATION ONLY AND SHALL BE INSTALLED WITHIN PLANTING AREAS WHEREVER POSSIBLE.
- DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST AND SHOULD BE BROUGHT TO THE ATTENTION OF THE DISTRICT'S REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR REVISIONS NECESSARY.
- THE IRRIGATION CONTRACTOR SHALL VERIFY ALL PRESSURES ON SITE PRIOR TO CONSTRUCTION. NOTIFY THE DISTRICT'S REPRESENTATIVE OF ANY DISCREPANCIES.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, SLOPES, LOCATION OF WALLS, RETAINING WALLS, CURBS, ETC. HE SHALL COORDINATE ALL HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR LOCATION OF PIPE SLEEVES THROUGH WALLS AND FOOTINGS, UNDER ROADS, PAVING AND STRUCTURES.
- MAINLINE PIPING BETWEEN THE POINT OF CONNECTION, METER AND BACKFLOW PREVENTER TO BE OF MATERIAL AS REQUIRED BY GOVERNING WATER DISTRICT.
- FINAL LOCATION OF THE AUTOMATIC CONTROLLER ENCLOSURE AND THE BACKFLOW PREVENTION DEVICE SHALL BE APPROVED BY THE DISTRICT'S REPRESENTATIVE, AND/OR LANDSCAPE ARCHITECT, WHERE APPLICABLE.
- IRRIGATION CONTRACTOR SHALL FLUSH ALL LINES AND ADJUST ALL HEADS FOR MAXIMUM PERFORMANCE AND TO PREVENT OVER-SPRAY ONTO WALKS, STREETS, AND BUILDINGS. THIS SHALL INCLUDE SELECTING THE BEST NOZZLE RADIUS TO FIT UNUSUAL SITE CONDITIONS AT NO EXTRA COST TO THE OWNER. CALL THE LANDSCAPE ARCHITECT 48 HOURS IN ADVANCE FOR ANY COVERAGE TESTS.
- IRRIGATION CONTRACTOR SHALL ADJUST MAINLINE DEPTH AS REQUIRED TO ACCOMMODATE 3" MIN. CLEARANCE FROM TOP OF QUICK COUPLER VALVE, & 6" CLEARANCE FOR GATE VALVE, AND REMOTE CONTROL VALVE TO BOTTOM OF VALVE BOX LID.

SCH 40 PVC SLEEVING CHART

SLEEVE SIZE	WIRE COUNT	PIPE SIZE
1 1/4" SLEEVE	1-8 WIRES	1/2" PIPE
1 1/2" SLEEVE	9-16 WIRES	3/4" PIPE
2" SLEEVE	17-26 WIRES	1" PIPE
2 1/2" SLEEVE	27-38 WIRES	1 1/4" PIPE
3" SLEEVE	39-54 WIRES	1 1/2" PIPE
4" SLEEVE	55-100 WIRES	2" PIPE
6" SLEEVE	100+ WIRES	3" PIPE
8" SLEEVE	N/A	4" PIPE
12" SLEEVE	N/A	6" PIPE



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KEY PLAN
 (A) BUILDINGS
 (B) BUILDINGS

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN: JV CHKD: DVD
 DATE: 04/08/15 SCALE: 1" = 30'-0"
 PROJECT NUMBER: 1310700

LANDSCAPE IRRIGATION PLAN
 DRAWING NUMBER: **LI.1**

IRRIGATION NOTES:
 REFER TO SHEET LI.A FOR ADDITIONAL IRRIGATION NOTES.

TYPICAL HEAD ADJUSTMENT NOTE:
 CONTRACTOR TO ADJUST ALL HEADS TO PROVIDE HEAD TO HEAD COVERAGE AND TO MAKE SURE THERE IS NO OVER SPRAY ON TO HARDSCAPE.

IRRIGATION EQUIPMENT NOTE:
 CONTRACTOR SHALL USE TEFLON TAPE ON ALL THREADS. NO MARLEX FITTINGS.

IRRIGATION MAINLINE AND LATERAL LINE NOTES:
 CONTRACTOR SHALL INSTALL IRRIGATION MAINLINE AND LATERAL LINES IN PLANTING AREAS TYPICAL, MAINLINE, VALVES, AND LATERAL LINES SHOWN IN HARDSCAPE AREAS FOR CLARITY.

POTABLE AND RECYCLED WATER SEPARATION NOTE:
 RECYCLED MAINLINE (CONSTANT PRESSURE) SHOWN DIAGRAMMATICALLY FOR CLARITY ONLY. ACTUAL LOCATION MUST PROVIDE A MINIMUM FOUR (4) FEET HORIZONTAL CLEARANCE BETWEEN ALL POTABLE AND CONSTANT PRESSURE RECYCLED WATER LINES. RECYCLED WATER MAINLINE SHOULD BE INSTALLED UNDER POTABLE WATER LINES AND MAINLINE ONE (1) FOOT OF VERTICAL CLEARANCE WHERE THE RECYCLED WATER CONSTANT PRESSURE LINE MUST BE INSTALLED ABOVE THE POTABLE WATERLINE. A FOUR (4) INCH MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER PRESSURE LINE MUST BE INSTALLED IN A CONTINUOUS PVC CLASS 200 PIPE SLEEVE WHICH EXTENDS A MINIMUM OF TEN (10) FEET EACH SIDE OF THE POTABLE WATERLINE.

COLOR CODING:
 SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. VALVE BOXES SHALL BE PURPLE PER INDUSTRY STANDARDS. THE LIDS SHALL HAVE THE WARNING "RECYCLED: DO NOT DRINK" IN ENGLISH AND SPANISH AND THE INTERNATIONAL "DO NOT DRINK" ON ONE SIDE AND "PELIGRO: AGUA IMPURA NO BEBER" ON THE OPPOSITE SIDE. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS.

EX. MAINLINE & LATERAL LINES NOTE:
 CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE IRRIGATION MAINLINE AND LATERAL LINES IN THE FIELD. EXISTING IRRIGATION MAINLINE TAKEN FROM IRRIGATION PLOT PLAN DATED JULY 1963 AND IRRIGATION AS-BUILT DATED 7/14/14 BY ACC. CONTRACTOR SHALL VERIFY INFORMATION BEFORE START OF CONSTRUCTION.

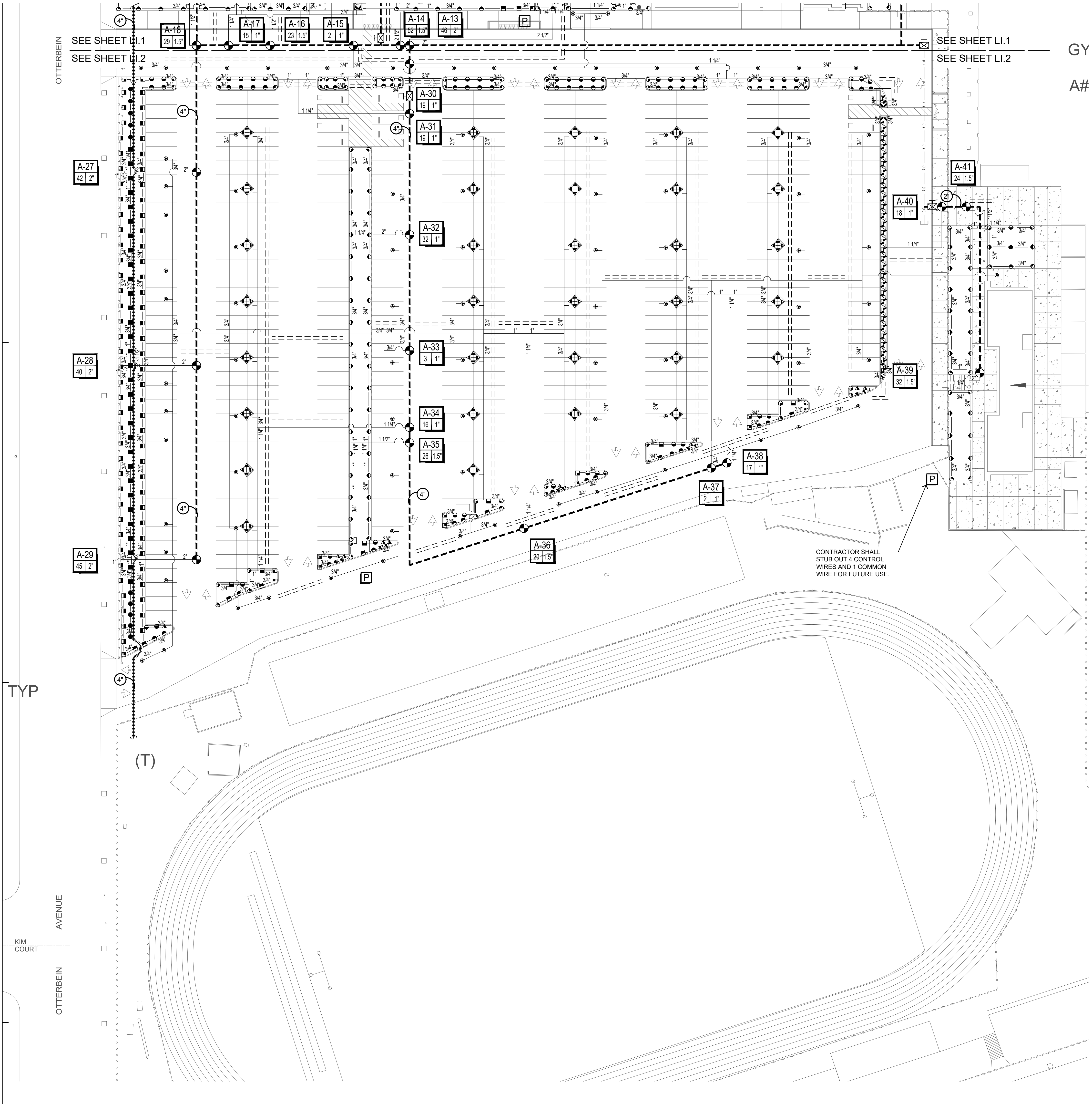
UTILITIES NOTE:
 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES AND TO ENSURE NOT TO DAMAGE ANY UTILITIES. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

REMOTE CONTROL VALVE SIZING CHART

950 SERIES GPM	VALVE SIZE
0-19	1"
20-39	1 1/2"
40-120	2"

LATERAL LINE SIZING CHART - SCH. 40

GPM	PIPE SIZE
5-9	3/4"
9-12	1"
12-22	1 1/4"
23-30	1 1/2"
30-50	2"
50-70	2 1/2"
70-110	3"
110-190	4"



IRRIGATION LEGEND

SYMBOL	MANUF.	MODEL	DEGREES	TYPE	GPM	PSI	RADIUS	DTL. REF.
●	SALCO	SLV-PSTR-CV-2	360	S. BUBBLER	2.0 GPH	30	N/A	I-J / SHEET LI.1
▲	RAINBIRD	RD-XX-S-P30-F-N-50	90	POP-UP	.10	30	2'-5"	A / SHEET LI.1
▼	RAINBIRD	RD-XX-S-P30-F-N-5H	180	POP-UP	.20	30	2'-5"	A / SHEET LI.1
▽	RAINBIRD	RD-XX-S-P30-F-N-5F	180	POP-UP	.20	30	2'-5"	A / SHEET LI.1
○	RAINBIRD	RD-XX-S-P30-F-N-8Q	90	POP-UP	.26	30	6'-8"	A / SHEET LI.1
◐	RAINBIRD	RD-XX-S-P30-F-N-8H	180	POP-UP	.52	30	6'-8"	A / SHEET LI.1
◑	RAINBIRD	RD-XX-S-P30-F-N-8F	180	POP-UP	.52	30	6'-8"	A / SHEET LI.1
◒	RAINBIRD	RD-XX-S-P30-F-N-10Q	90	POP-UP	.39	30	8'-10"	A / SHEET LI.1
◓	RAINBIRD	RD-XX-S-P30-F-N-10H	180	POP-UP	.79	30	8'-10"	A / SHEET LI.1
◔	RAINBIRD	RD-XX-S-P30-F-N-10F	180	POP-UP	.79	30	8'-10"	A / SHEET LI.1
◕	RAINBIRD	RD-XX-S-P30-F-N-12Q	90	POP-UP	.92	30	10'-12"	A / SHEET LI.1
◖	RAINBIRD	RD-XX-S-P30-F-N-12H	180	POP-UP	1.85	30	10'-12"	A / SHEET LI.1
◗	RAINBIRD	RD-XX-S-P30-F-N-12F	360	POP-UP	3.70	30	10'-12"	A / SHEET LI.1
◘	RAINBIRD	RD-XX-S-P30-F-N-15Q	90	POP-UP	.92	30	12'-15"	A / SHEET LI.1
◙	RAINBIRD	RD-XX-S-P30-F-N-15H	180	POP-UP	1.85	30	12'-15"	A / SHEET LI.1
◚	RAINBIRD	RD-XX-S-P30-F-N-15F	360	POP-UP	3.70	30	12'-15"	A / SHEET LI.1
⊕	HUNTER	I-20-06-R-4-D-SS	90	ROTOR	3.0	45	40'	B / SHEET LI.1
⊖	HUNTER	I-20-06-R-3-0-SS	180	ROTOR	3.0	45	38'	B / SHEET LI.1
⊗	HUNTER	I-20-06-R-1-5SR-SS	90	ROTOR	1.5	50	25'	B / SHEET LI.1
⊘	HUNTER	I-20-06-R-2-0LA-SS	90	ROTOR	2.1	50	28'	B / SHEET LI.1
⊙	HUNTER	I-20-06-R-2-0LA-SS	180	ROTOR	2.1	50	28'	B / SHEET LI.1
⊚	HUNTER	I-20-06-R-2-0LA-SS	360	ROTOR	2.1	50	28'	B / SHEET LI.1

- NOTE: PURPLE CAPPED SPRAY HEADS SHALL BE 6" POP-UPS IN TURF AREAS AND 12" POP-UPS IN SHRUB AND GROUND COVER AREAS
- SUPERIOR** 1000 (5 GPM+) 850-DIGB (0.4 GPM) REMOTE CONTROL VALVE WITH ALL PURPOSE SOLENOID INSTALL IN PLANTER AREAS - TYPICAL G / SHEET LI.1
 - NIBCO** T-580-70-56 (2" AND SMALLER) F-619-RW-SL (2-1/2" AND LARGER) BRONZE GATE VALVE WITH SCREW-IN BONNET (SIZE PER MAINLINE LINE SIZE) INSTALL IN PLANTER AREAS - TYPICAL K / SHEET LI.1
 - PURPLE P.V.C.** SCH 40 1 1/2" & SMALLER NON-PRESSURE LATERAL LINE WITH SCH. 40 FITTINGS. THREADED FITTINGS SHALL BE SCH. 80 (SIZE PER PLAN) C-E / SHEET LI.1
 - CLASS 315** 2" AND LARGER NON-PRESSURE LATERAL LINE WITH SCH. 40 FITTINGS. THREADED FITTINGS SHALL BE SCH. 80 (SIZE PER PLAN) C-E / SHEET LI.1
 - PURPLE P.V.C.** CLASS 315 PRESSURE MAINLINE 2" THRU 4" THREADED FITTINGS SHALL BE SCH. 80 (SIZE PER PLAN) C-E / SHEET LI.1
 - CLASS 200 BELLED AND GASKETED** PRESSURE MAINLINE 6" THREADED FITTINGS SHALL BE SCH. 80 (SIZE PER PLAN) C / SHEET LI.1
 - EXISTING IRRIGATION MAINLINE TO REMAIN.** PROTECT IN PLACE. F / SHEET LI.1
 - EXISTING IRRIGATION TRANSITE MAINLINE TO REMAIN.** PROTECT IN PLACE. DO NOT DISTURB. H / SHEET LI.1
 - PURPLE P.V.C.** SCH. 40 SLEEVE FOR PRESSURE MAINLINE (TWO X THE DIA. OF PIPE) C / SHEET LI.1
 - NEW PULL BOX.** INSTALL IN PLANTER AREAS WHENEVER POSSIBLE CONCRETE BOXES SHALL BE USED WHEN INSTALLED IN HARDSCAPE AREAS. IN ADDITION TO BOXES SHOWN ON PLANS CONTRACTOR SHALL INSTALL ADDITIONAL BOXES AS NOTED PER WIRE. CONDUIT NOTE. F / SHEET LI.1
 - MANUFACTURER RAINBIRD ESP-LXME 48 STATION.** WITH RSD-BEX WIRED RAIN SENSOR TO BE SUPPLIED BY IRRIGATION CONTRACTOR MODEL# IC46-RB2-48R-TM-LX-SP1 120 V. ELECTRICAL LINE SHALL BE SUPPLIED BY GENERAL CONTRACTOR INSTALL PER MANU.'S RECOMMENDATIONS, PROVIDE CERTIFICATION OF INSTALLATION TO L.A. AND OWNER. CONTRACTOR SHALL PROVIDE ETHERNET CONNECTION TO THE CONTROLLER(S) H / SHEET LI.1

CONTROLLERS
INSTALL IRRIGATION CONTROLLERS IN THE APPROXIMATE LOCATIONS SHOWN ON THE DRAWINGS. FINAL CONTROLLER LOCATIONS TO BE APPROVED IN THE FIELD BY THE OWNER OR AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL ORDER A PRE-CON MEETING WITH MANUFACTURER REPRESENTATIVE, PRIOR TO START OF CONSTRUCTION. CONNECTIONS BETWEEN THE CONTROLLER AND REMOTE CONTROL VALVES SHALL BE MADE WITH DIRECT BURIAL AWG UL-UF WIRE, INSTALLED INSIDE GRAY SCHEDULE 40 P.V.C. CONDUIT SIZED AT TWICE THE DIAMETER OF THE WIRE BUNDLE CARRIED THE MINIMUM SIZE OF THE CONDUIT BEING 2 INCH

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TRANSITE PIPE NOTE:
IN THE EVENT TRANSITE PIPE IS ENCOUNTERED, CONTRACTOR SHALL FOLLOW ALL STATE AND LOCAL LAWS INCLUDING AS OUTLINED BY CAL OSHA REGARDING HANDLING OF ASBESTOS CONTAINING MATERIAL (ACM) AND CLASS II AND CLASS III ASBESTOS WORK ACTIVITY AS DEFINED IN 1926.1101. WHEREVER POSSIBLE CONTRACTOR SHALL NOT CUT OR TOUCH IN ANY MANNER ANY TRANSITE PIPE.

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- DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST AND SHOULD BE BROUGHT TO THE ATTENTION OF THE DISTRICT'S REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR REVISIONS NECESSARY.
- THE IRRIGATION CONTRACTOR SHALL VERIFY ALL PRESSURES ON SITE PRIOR TO CONSTRUCTION. NOTIFY THE DISTRICT'S REPRESENTATIVE OF ANY DISCREPANCIES.
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- MAINLINE PIPING BETWEEN THE POINT OF CONNECTION, METER AND BACKFLOW PREVENTER TO BE OF MATERIAL AS REQUIRED BY GOVERNING WATER DISTRICT.
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- IRRIGATION CONTRACTOR SHALL ADJUST MAINLINE DEPTH AS REQUIRED TO ACCOMMODATE 3" MIN. CLEARANCE FROM TOP OF QUICK COUPLER VALVE, & 6" CLEARANCE FOR GATE VALVE, AND REMOTE CONTROL VALVE TO BOTTOM OF VALVE BOX LID.

SCH 40 PVC SLEEVING CHART

SLEEVE SIZE	WIRE COUNT	PIPE SIZE
1 1/4" SLEEVE	1-8 WIRES	1 1/2" PIPE
1 1/2" SLEEVE	9-16 WIRES	3/4" PIPE
2" SLEEVE	17-26 WIRES	1" PIPE
2 1/2" SLEEVE	27-38 WIRES	1 1/4" PIPE
3" SLEEVE	39-54 WIRES	1 1/2" PIPE
4" SLEEVE	55-100 WIRES	2" PIPE
6" SLEEVE	100+ WIRES	3" PIPE
8" SLEEVE	N/A	4" PIPE
12" SLEEVE	N/A	6" PIPE

REMOTE CONTROL VALVE SIZING CHART

GPM	VALVE SIZE
0-19	1"
20-39	1 1/2"
40-120	2"

LATERAL LINE SIZING CHART - SCH. 40

GPM	PIPE SIZE
5-8	3/4"
9-12	1"
13-22	1 1/4"
23-30	1 1/2"
30-50	2"
50-70	2 1/2"
70-110	3"
110-190	4"

IRRIGATION NOTES:
REFER TO SHEET LI.A FOR ADDITIONAL IRRIGATION NOTES.

TYPICAL HEAD ADJUSTMENT NOTE:
CONTRACTOR TO ADJUST ALL HEADS TO PROVIDE HEAD TO HEAD COVERAGE AND TO MAKE SURE THERE IS NO OVER SPRAY ON TO HARDSCAPE.

POTABLE AND RECYCLED WATER SEPARATION NOTE:
RECYCLED MAINLINE (CONSTANT PRESSURE) SHOWN DIAGRAMMATICALLY FOR CLARITY ONLY. ACTUAL LOCATION MUST PROVIDE A MINIMUM FOUR (4) FEET HORIZONTAL CLEARANCE BETWEEN ALL POTABLE AND CONSTANT PRESSURE RECYCLED WATER LINES. RECYCLED WATER MAINLINE SHOULD BE INSTALLED UNDER POTABLE WATER LINES AND MAINLINE ONE (1) FOOT OF VERTICAL CLEARANCE. WHERE THE RECYCLED WATER CONSTANT PRESSURE LINE MUST BE INSTALLED ABOVE THE POTABLE WATERLINE. A FOUR (4) INCH MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER PRESSURE LINE MUST BE INSTALLED IN A CONTINUOUS PVC CLASS 200 PIPE SLEEVE WHICH EXTENDS A MINIMUM OF TEN (10) FEET EACH SIDE OF THE POTABLE WATERLINE.

COLOR CODING:
SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. VALVE BOXES SHALL BE PURPLE PER INDUSTRY STANDARDS. THE LIDS SHALL HAVE THE WARNING "RECYCLED: DO NOT DRINK" IN ENGLISH AND SPANISH AND THE INTERNATIONAL "DO NOT DRINK" ON ONE SIDE AND "PELIGRO: AGUA IMPURA-NO BEBER" ON THE OPPOSITE SIDE. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS.

EX. MAINLINE & LATERAL LINES NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE IRRIGATION MAINLINE AND LATERAL LINES IN THE FIELD. EXISTING IRRIGATION MAINLINE TAKEN FROM IRRIGATION PLOT PLAN DATED JULY 1963 AND IRRIGATION AS-BUILT DATED 7/14/14 BY ACC. CONTRACTOR SHALL VERIFY INFORMATION BEFORE START OF CONSTRUCTION.

IRRIGATION MAINLINE AND LATERAL LINE NOTES:
CONTRACTOR SHALL INSTALL IRRIGATION MAINLINE AND LATERAL LINES IN PLANTING AREAS TYPICAL, MAINLINE, VALVES, AND LATERAL LINES SHOWN IN HARDSCAPE AREAS FOR CLARITY.

UTILITIES NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES AND TO ENSURE NOT TO DAMAGE ANY UTILITIES. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

IRRIGATION EQUIPMENT NOTE:
CONTRACTOR SHALL USE TEFLON TAPE ON ALL THREADS. NO MARLEX FITTINGS.

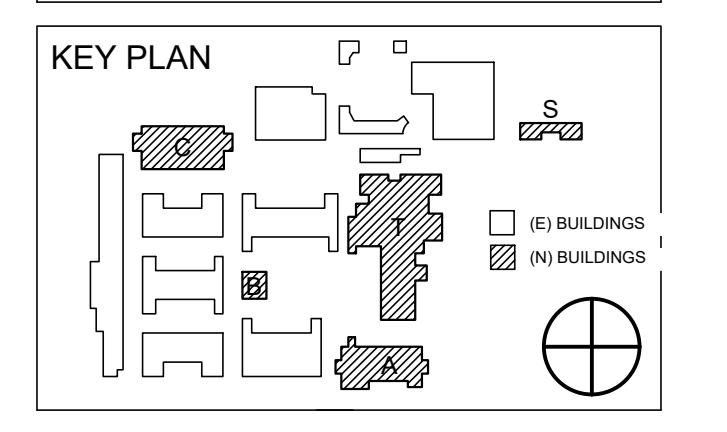
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Professional Engineer Seal for James P. D'Amelio, State of California, License No. C-15937, dated 11-30-15.

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05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN: JV CHKD: DVD
DATE: 04/08/15 SCALE: 1" = 30'-0"
PROJECT NUMBER: 1310700

LANDSCAPE IRRIGATION PLAN
DRAWING NUMBER: **LI.2**

North
GRAPHIC SCALE
0 15' 30' 60' 90'
DIGALERT
AT LEAST TWO DAYS BEFORE YOU DIG
811 Know what's below. Call 811 before you dig.

DETAIL NOT USED

NO SCALE

DETAIL NOT USED

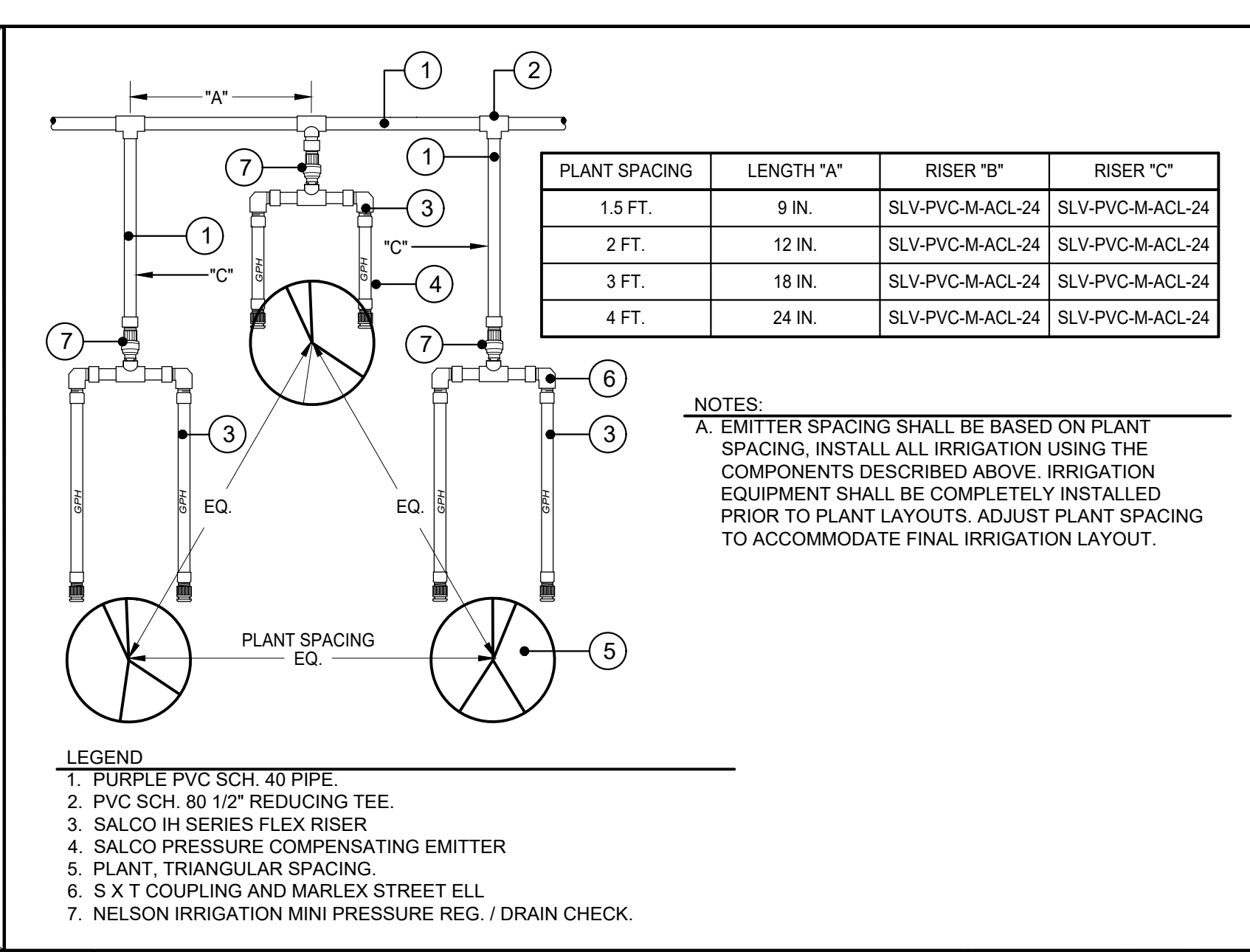
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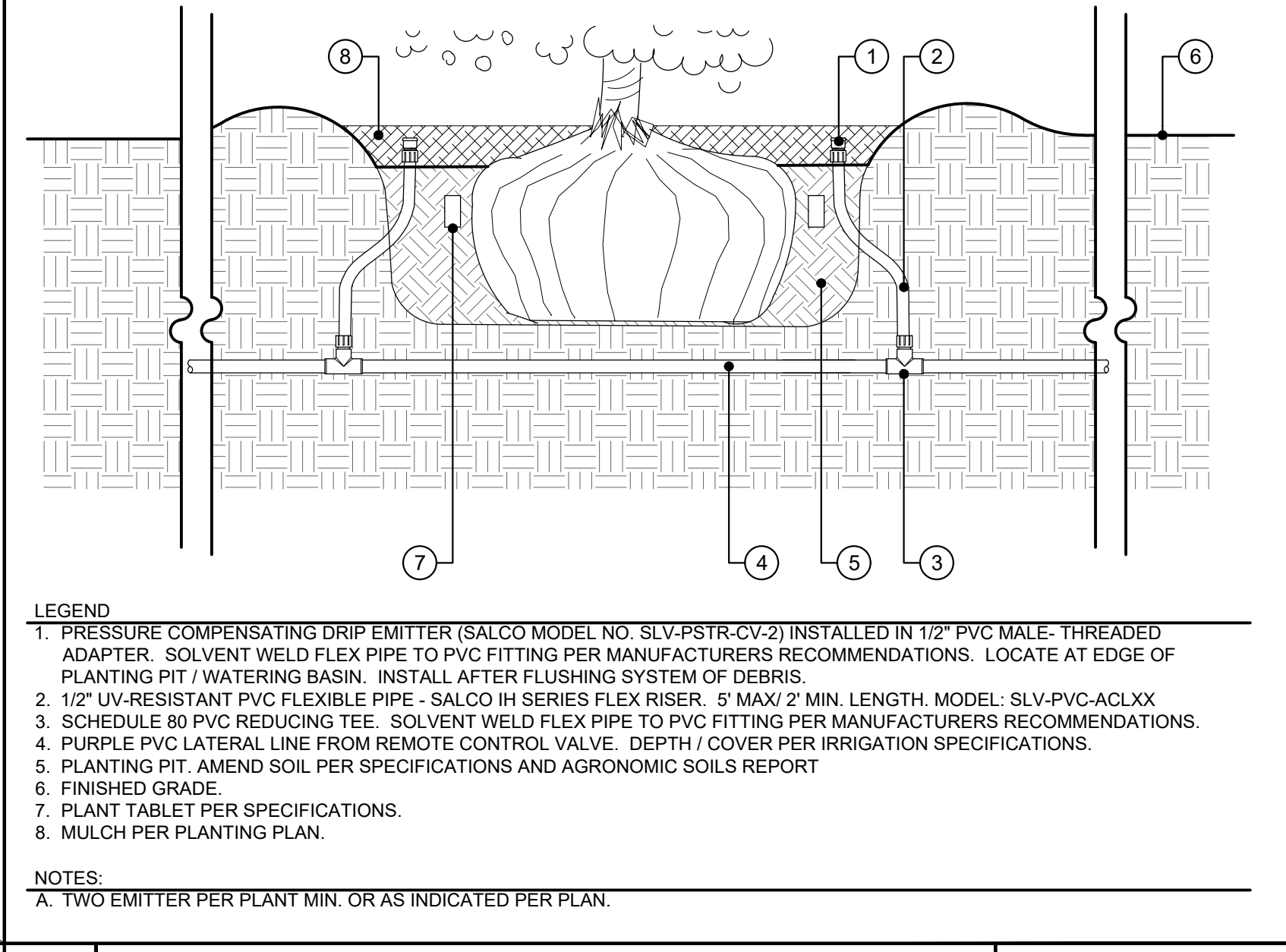
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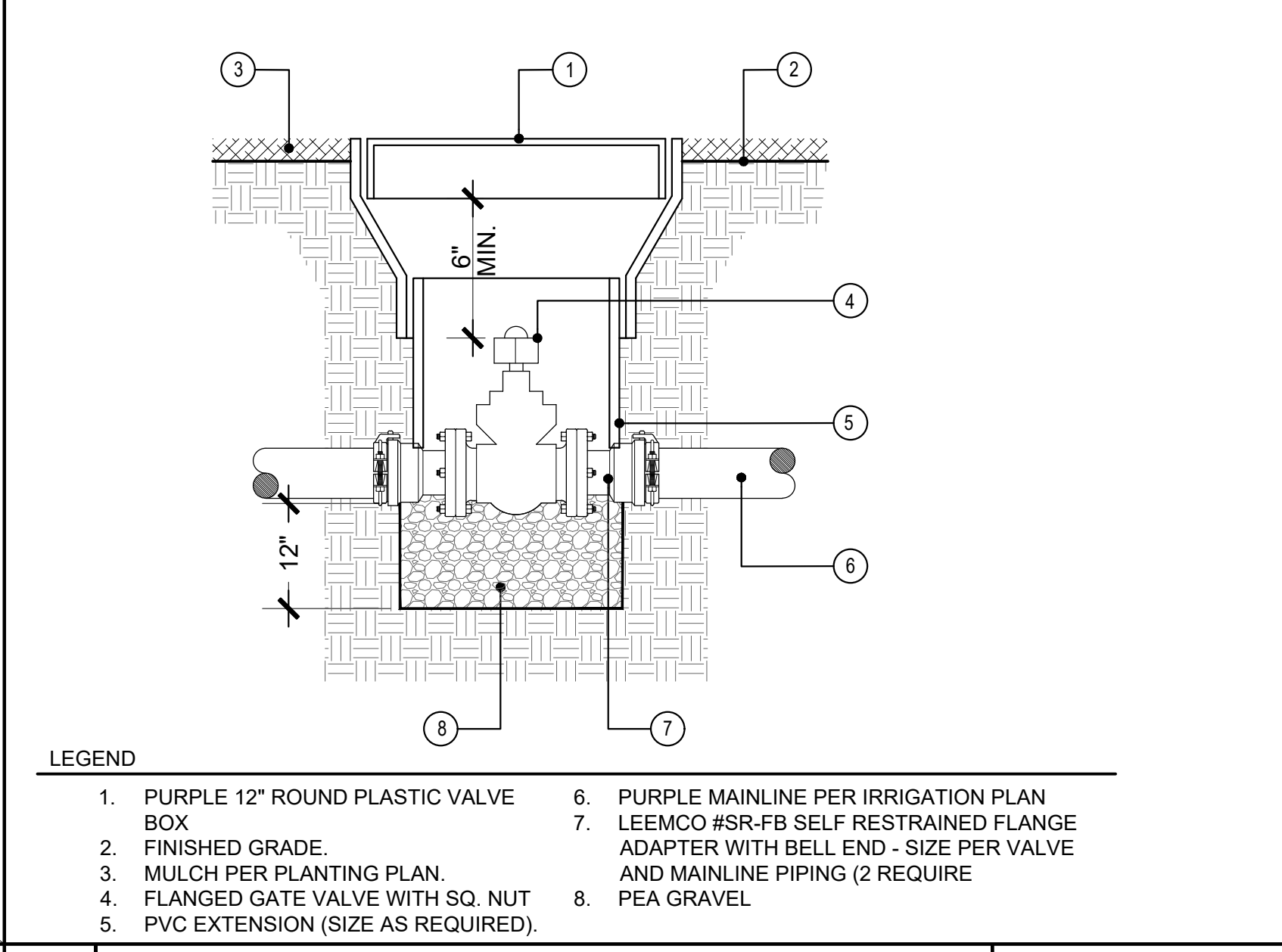
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I SALCO W/PRESSURE REG. NO SCALE



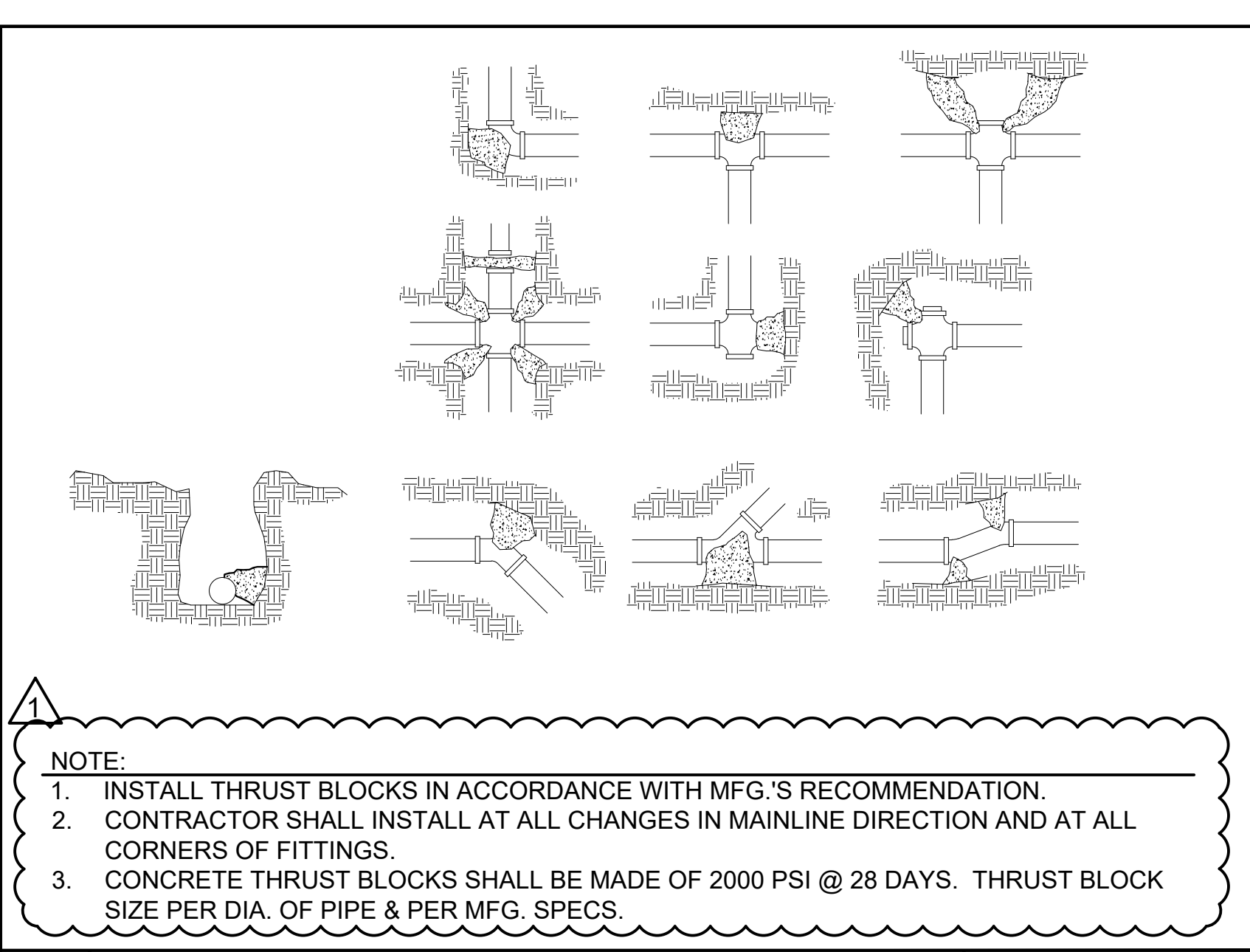
J SALCO SECTION DOUBLE EMITTER NO SCALE



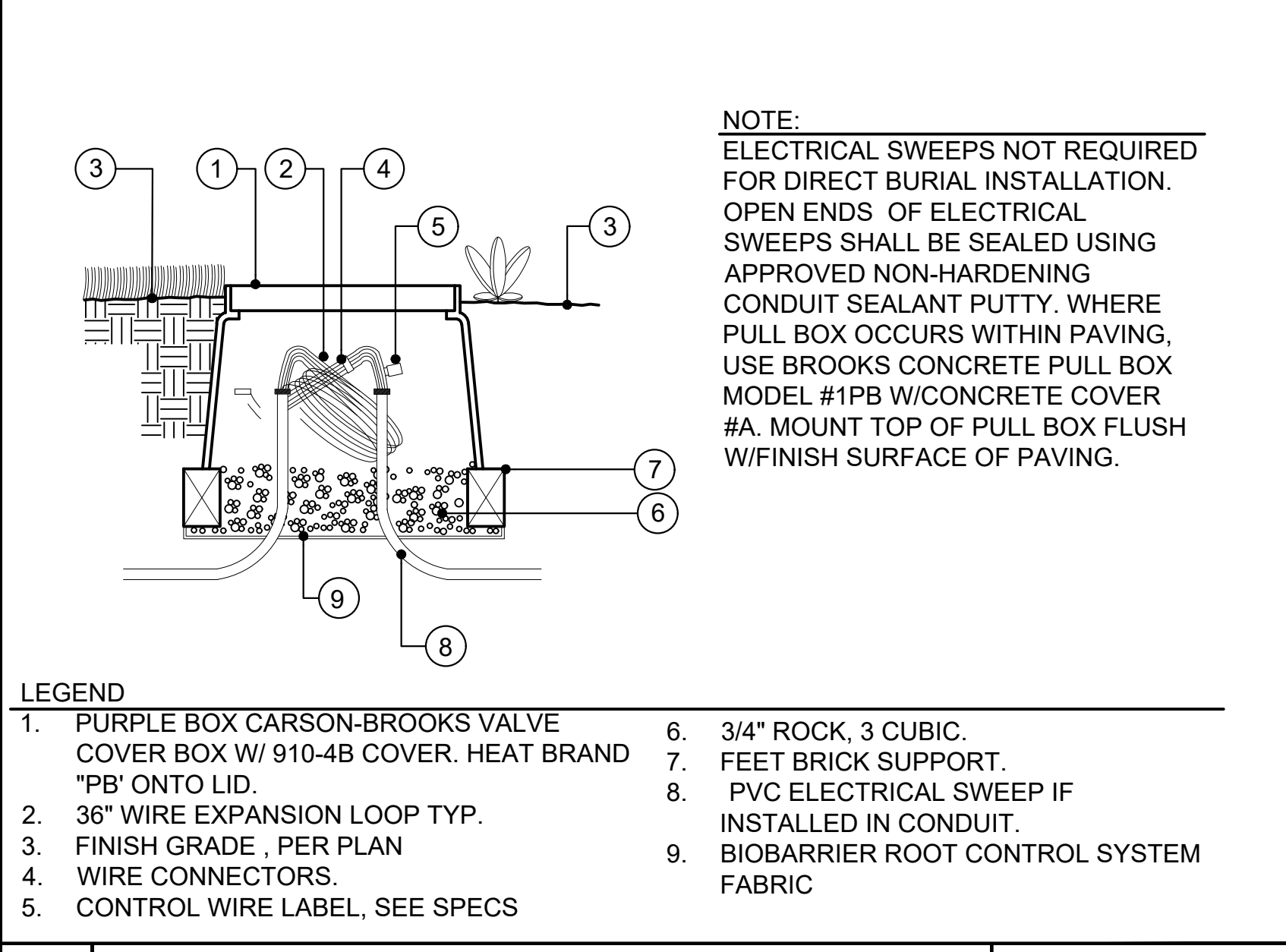
K 2 1/2" AND LARGER GATE VALVE NO SCALE

DETAIL NOT USED

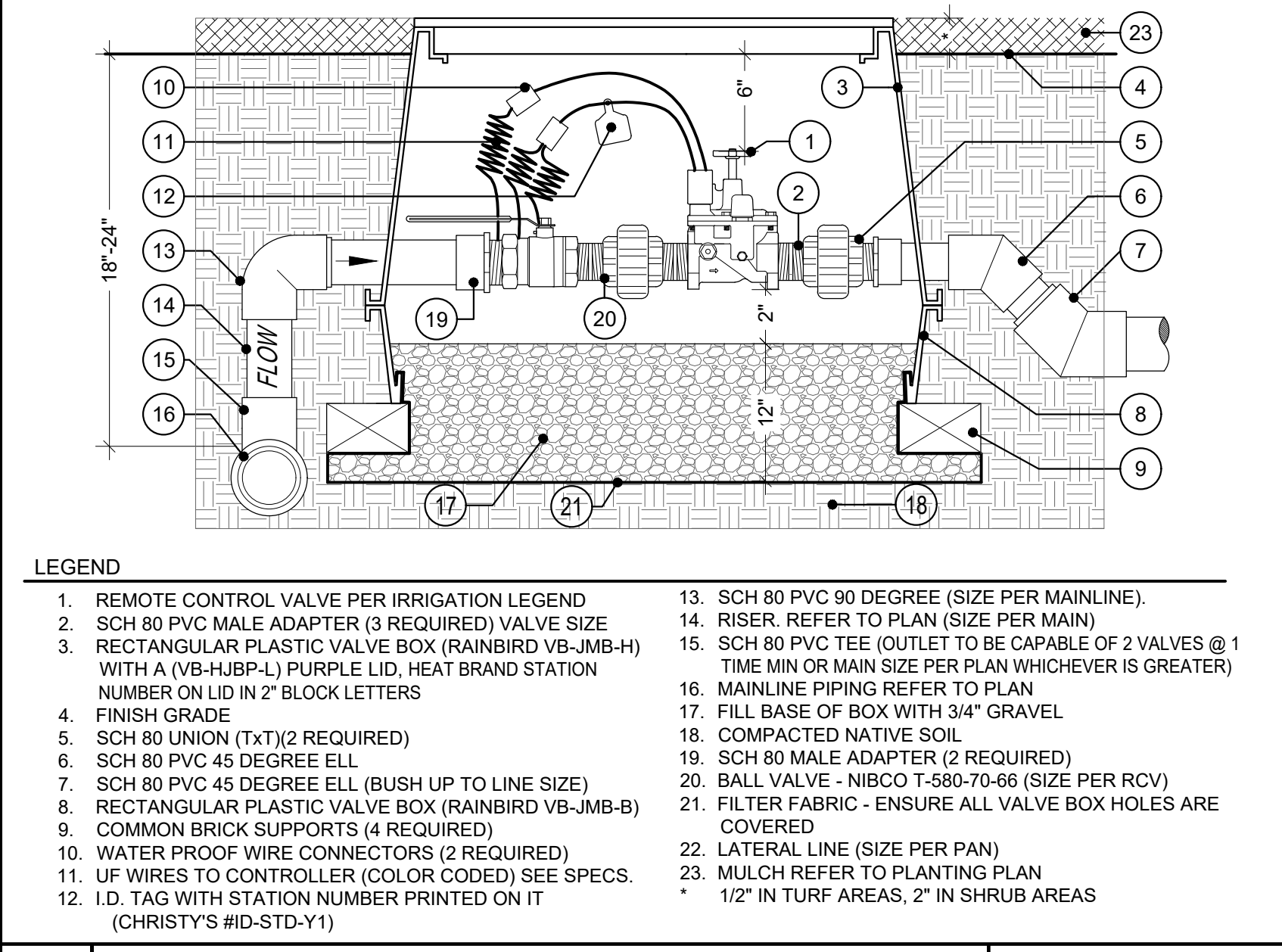
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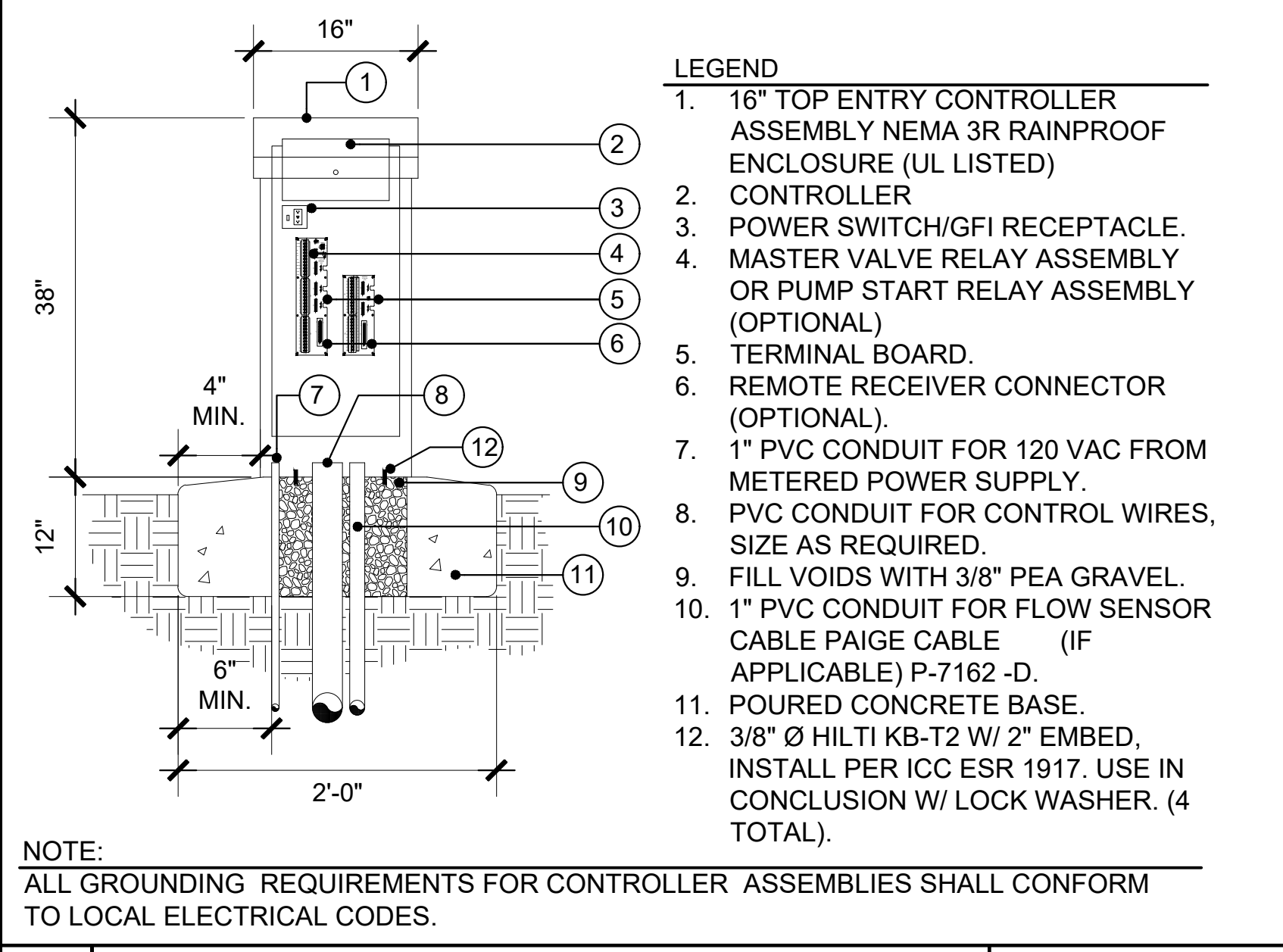
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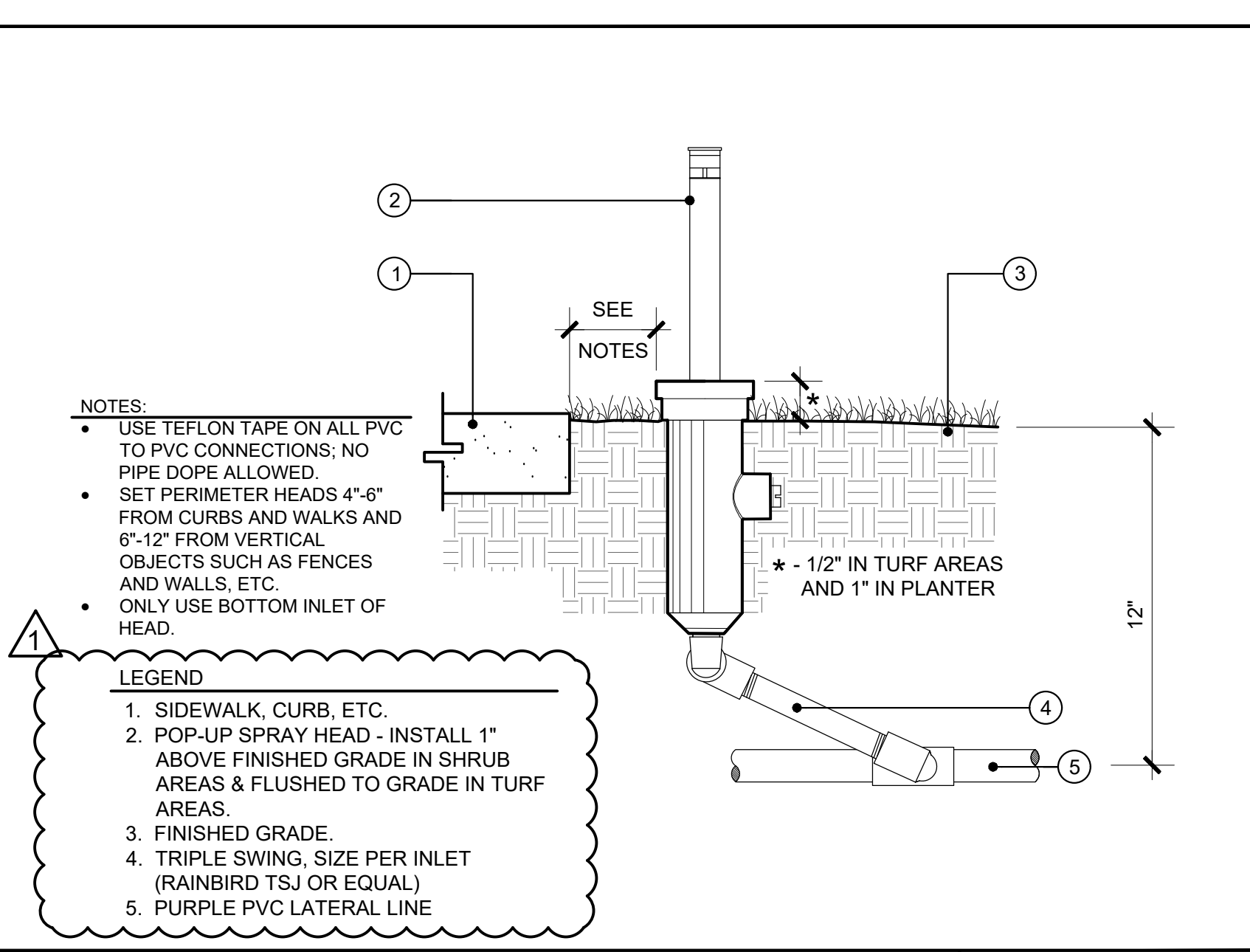
F PULL BOX NO SCALE



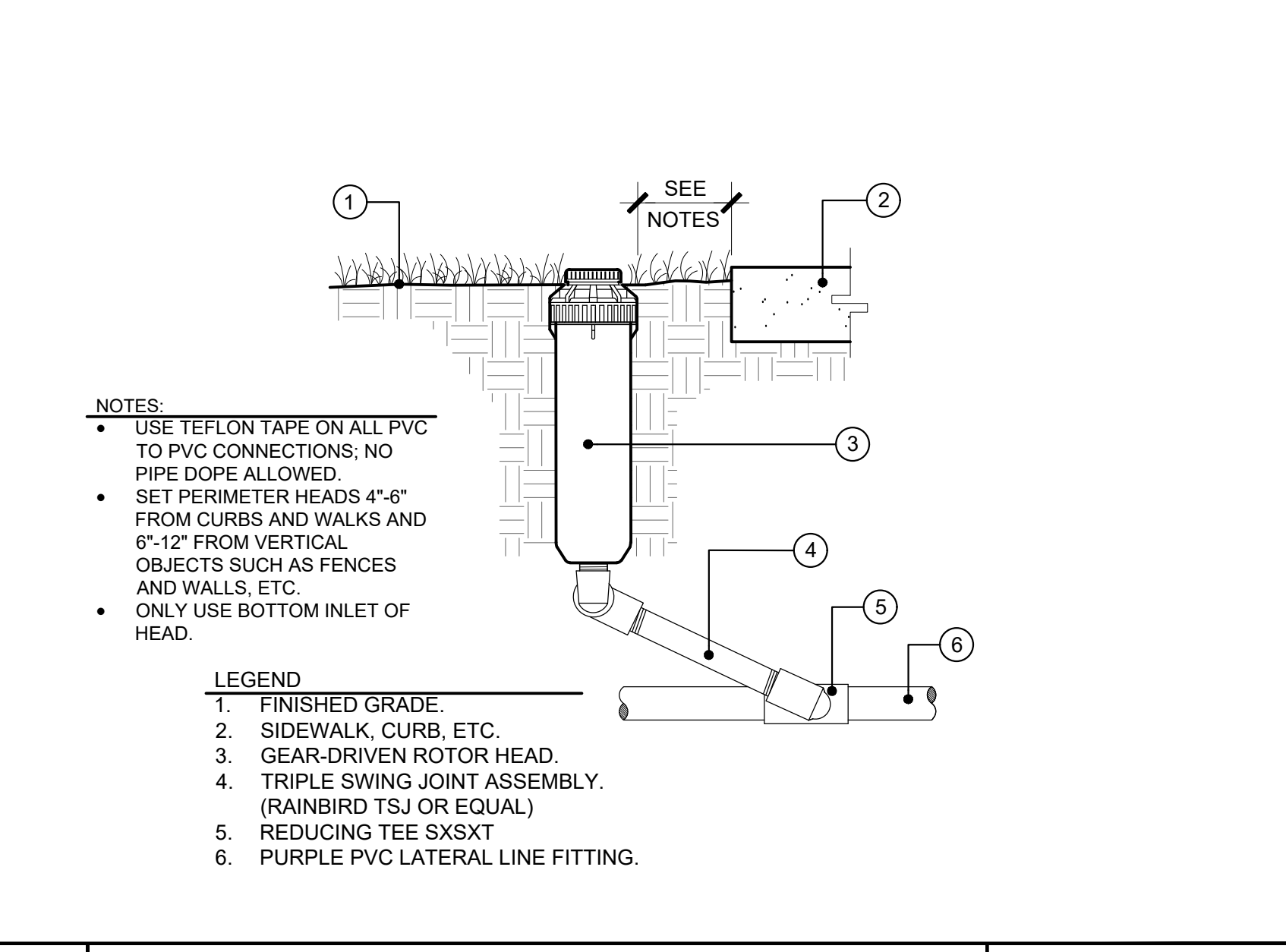
G RC VALVE WITH BALL VALVE NO SCALE



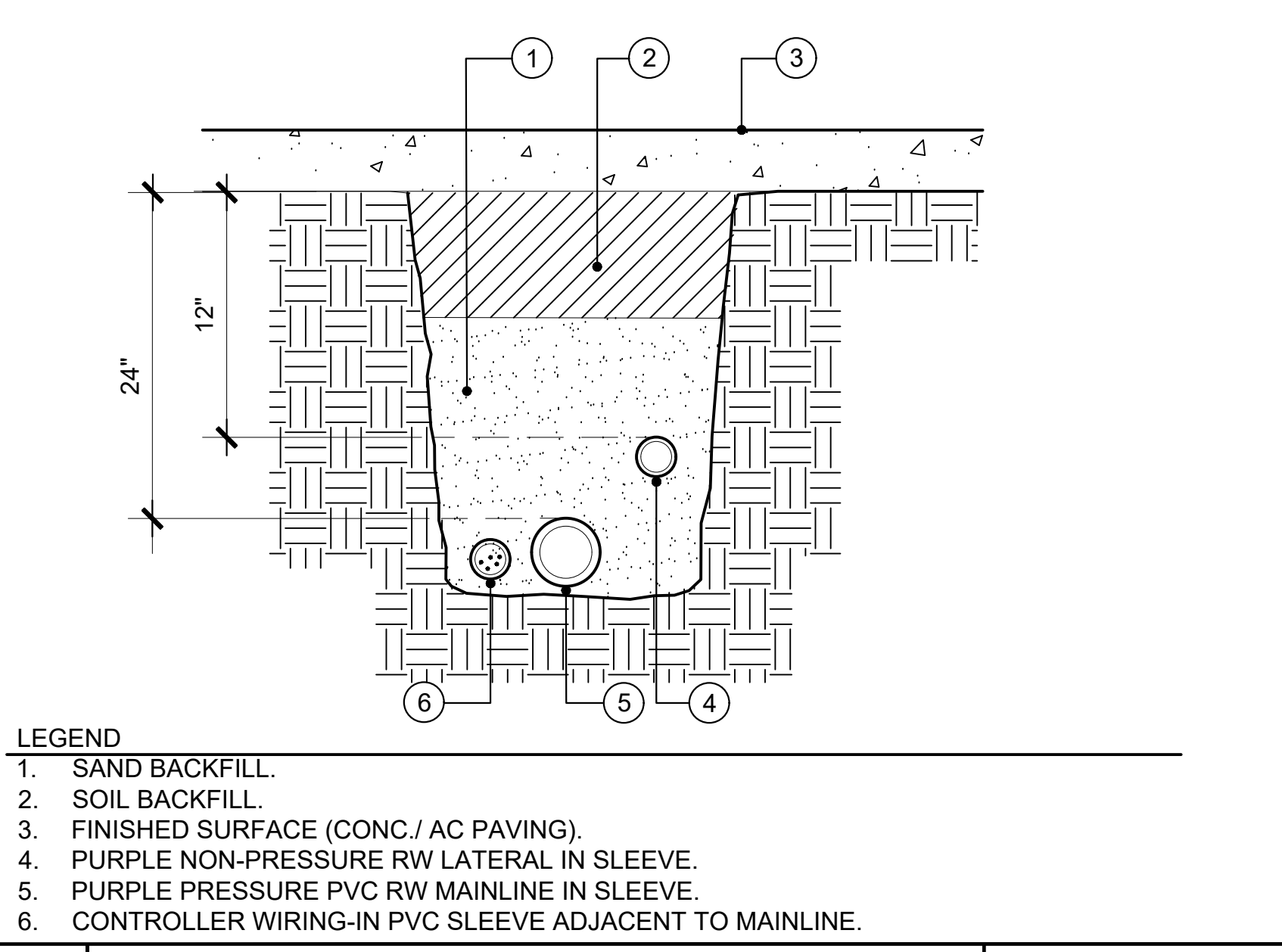
H CONTROLLER NO SCALE



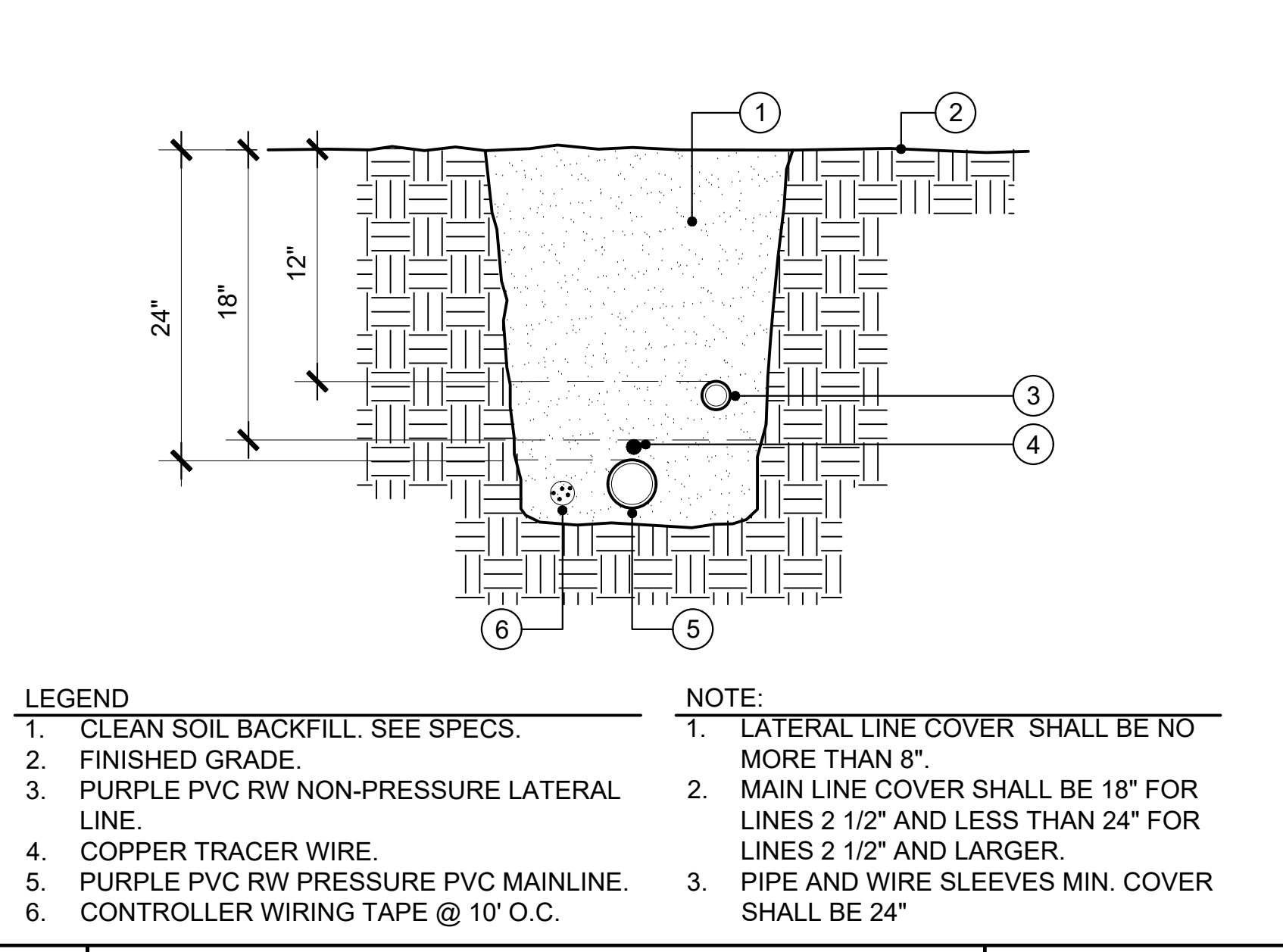
A SPRAY HEAD NO SCALE



B ROTORS NO SCALE



C SLEEVING NO SCALE



D TRENCHING NO SCALE

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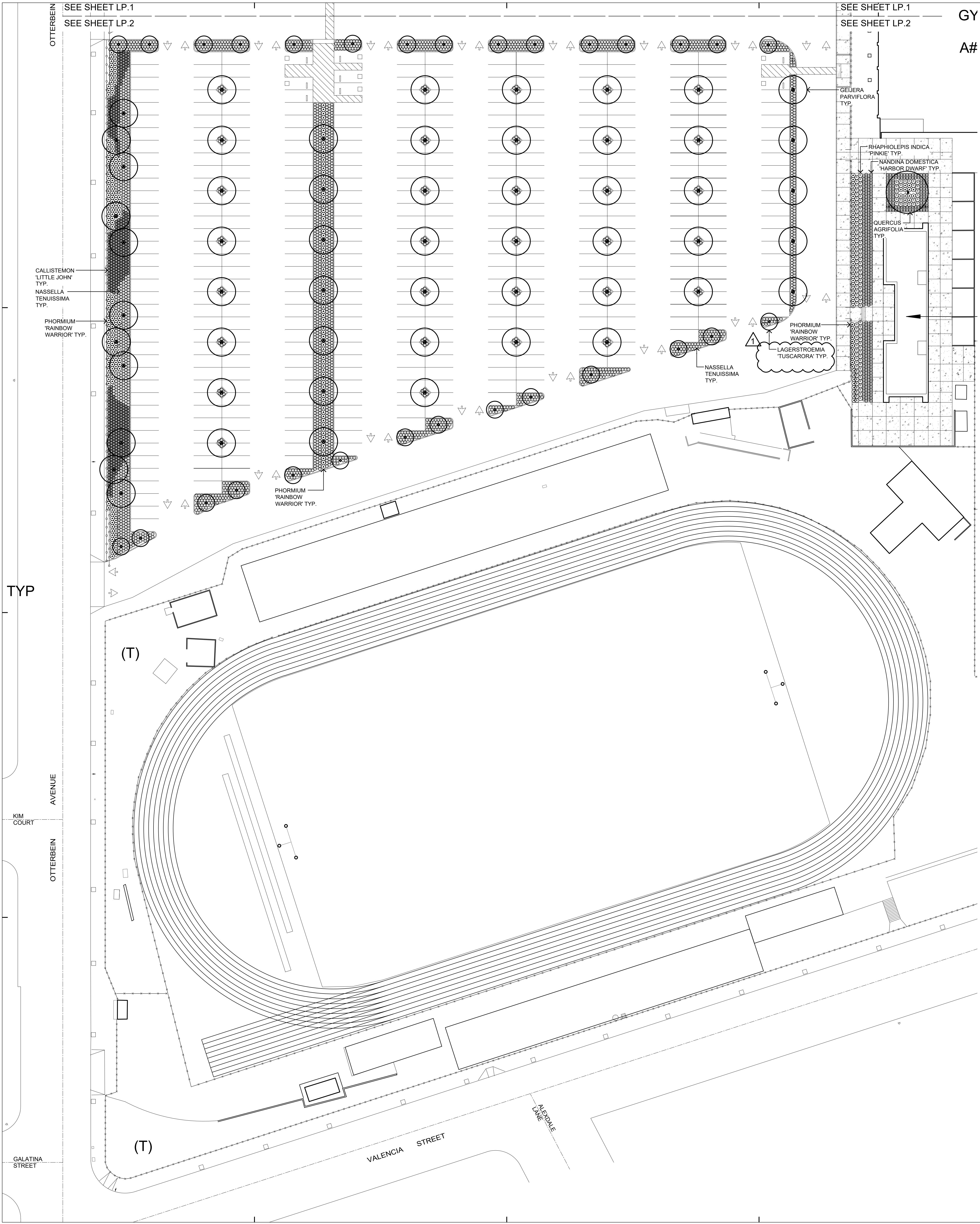
KEY PLAN
① BUILDINGS
② NO BUILDINGS

NO	DATE	DESCRIPTION
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05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: JV	CHKD: DVD
DATE: 04/08/15	SCALE: N.T.S.
PROJECT NUMBER: 1310700	

LANDSCAPE IRRIGATION DETAILS

DRAWING NUMBER: **LID.1**
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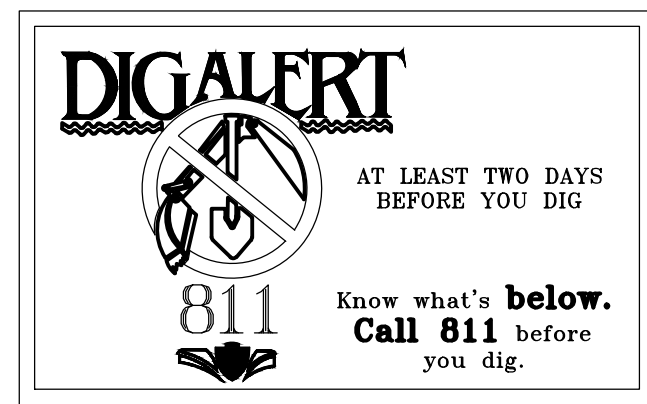
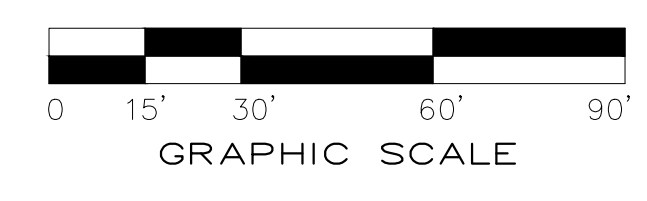
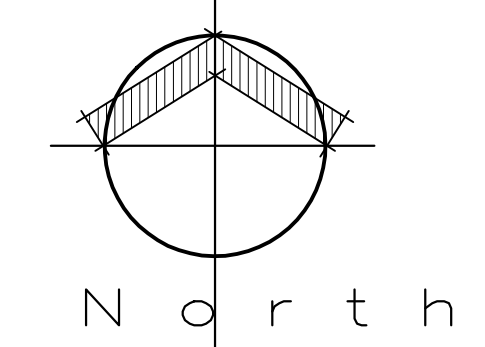


PLANTING LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS	QUANTITY	WUCOLS ZONE	DETAIL
TREES								
(Symbol)	CERCIS CANADENSIS 'FOREST PANSY'	EASTERN REDBUD	24" BOX	PER PLAN	STANDARDS - MATCHED	+/- 16	MEDIUM	C-D / LPD.1
(Symbol)	GEUJERA PARVIFLORA	AUSTRALIAN WILLOW	36" BOX	PER PLAN	STANDARDS - MATCHED	+/- 55	LOW	C-D / LPD.1
(Symbol)	LAGERSTROEMIA FAURIEI 'TUSCARORA'	RED FLOWERING GRAPE MYRTLE	36" BOX	PER PLAN	MULTI-TRUNK	+/- 29	MEDIUM	C-D / LPD.1
(Symbol)	PODOCARPUS GRACILIOR	FERN PINE	36" BOX	PER PLAN	STANDARDS - MATCHED	+/- 2	MEDIUM	C-D / LPD.1
(Symbol)	PYRUS KAWAKAMII	EVERGREEN PEAR	24" BOX	PER PLAN	STANDARDS - MATCHED	+/- 13	MEDIUM	C-D / LPD.1
(Symbol)	QUERCUS AGRIFOLIA	COAST LIVE OAK	36" BOX	PER PLAN	STANDARDS - MATCHED	+/- 2	LOW	C-D / LPD.1
SHRUBS								
(Symbol)	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH	5 GALLON	24" O.C.	TRIANGULAR SPACING	+/- 3,033	MEDIUM	B / LPD.1
(Symbol)	HEMEROCALLIS 'LADY SCARLET'	LADY SCARLET DAYLILY	5 GALLON	24" O.C.	TRIANGULAR SPACING	+/- 679	MEDIUM	B / LPD.1
(Symbol)	NANDINA DOMESTICA 'HARBOR DWARF'	DWARF HEAVENLY BAMBOO	5 GALLON	24" O.C.	TRIANGULAR SPACING	+/- 549	LOW	B / LPD.1
(Symbol)	NASSELLA TENUISSIMA	MEXICAN FEATHER GRASS	5 GALLON	24" O.C.	TRIANGULAR SPACING	+/- 3,400	LOW	B / LPD.1
(Symbol)	PHORMIUM TENAX 'RAINBOW WARRIOR'	NEW ZEALAND FLAX	5 GALLON	36" O.C.	TRIANGULAR SPACING	+/- 596	MEDIUM	B / LPD.1
(Symbol)	RHAPHIOLEPIS INDICA 'PINKIE'	INDIAN HAWTHORN	5 GALLON	36" O.C.	TRIANGULAR SPACING	+/- 262	MEDIUM	B / LPD.1
GROUND COVER								
(Symbol)	BULL'S-EYE WEST COAST TURF	BERMUDA TURF	SOD			+/- 18,151 S.F.		
(Symbol)	STABILIZED GRANITE GAIL MATERIALS	3" THICK LAYER OF DECOMPOSED GRANITE W/ FILTER FABRIC				+/- 1,700 S.F.		E / LPD.1
(Symbol)	NO SYMBOL SHOWN	3" THICK LAYER OF MULCH			TO BE APPLIED TO ALL PLANTING AREAS			

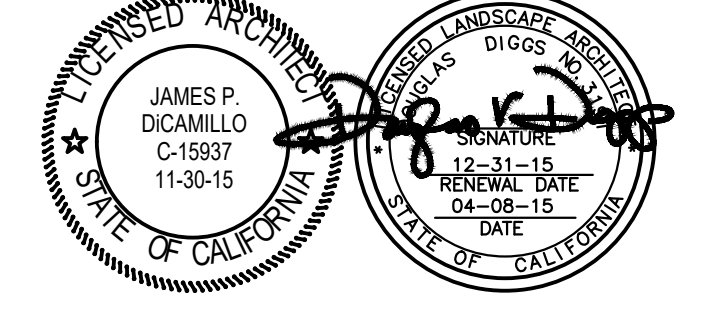
PLANTING NOTES

- ALL DIMENSIONS & CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR ON THE JOB SITE.
- ANY DISCREPANCIES OR OMISSIONS SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECTS ATTENTION PRIOR TO WORK.
- CONTRACTOR SHALL NOTIFY THE DISTRICT'S REPRESENTATIVE OF SITE CONDITIONS WHICH PREVENT INSTALLATION PER PLANS AND SPECS.
- CONTRACTOR SHALL BE LIABLE FOR REMOVING AND RE-INSTALLING IRRIGATION EQUIPMENT AND REPLANTING AREAS WHICH ARE NOT INSTALLED PER PLAN AND SPECIFICATIONS.
- IRRIGATION SYSTEM SHALL BE INSTALLED PRIOR TO PLANT MATERIALS.
- TREES AND SHRUBS SHALL BE PLANTED AFTER CONCRETE PLACEMENT, BUT NOT BEFORE IRRIGATION COVERAGE TEST HAS BEEN APPROVED. (SEE SPECIFICATIONS).
- PLACE TREES BETWEEN IRRIGATION HEADS WHEREVER POSSIBLE.
- SHREDDED MULCH INSTALLATION: INSTALL SHREDDED MULCH IN ALL SHRUB & GROUND COVER AREAS AT A DEPTH OF 3" UNLESS OTHERWISE INDICATED ON PLANS. MATERIAL SHOULD BE SPREAD SMOOTH AND EVENLY. MULCH TO BE SUPPLIED BY AGRONIM (800) 247-6646. MULCH TYPE: ES-2 MULCH.
- CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND/OR REPLACEMENT OF ANY DAMAGED LANDSCAPE AREAS BEYOND THE LIMIT OF WORK. THAT IS A DIRECT RESULT OF THE LANDSCAPE CONTRACTOR AND/OR HIS SUB-CONTRACTOR. REPLACEMENT ITEMS SHALL BE EXACT DUPLICATE OF ORIGINAL WORK ON PLANS. UNLESS OTHERWISE APPROVED BY THE DISTRICT'S AUTHORIZED REPRESENTATIVE.
- CLEANUP SHALL TAKE PLACE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE DISTRICT'S REPRESENTATIVE.
- THE PLANTING PLANS ARE ONLY ACCURATE FOR PLANTING LOCATION AND QUANTITIES. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES BY PLAN CHECK. THE PLANTING LEGEND IS ACCURATE ONLY FOR PLANT SIZE. IN THE EVENT OF A DISCREPANCY, THE CONTRACTOR SHALL ADJUST THE QUANTITIES OF THE SMALLEST PLANT SIZE SPECIFIED IN THE LEGEND TO CONFORM WITH THE QUANTITIES REQUIRED BY THE PLAN.
- ALL TREES PLANTED WITHIN FIVE FEET OF CONCRETE AND/OR ASPHALT PAVING SHALL HAVE A ROOT BARRIER INSTALLED WITH THE TREE. INSTALL PER MFG. SPECIFICATIONS. ROOT BARRIER BY DEEPROOT OR EQUAL.
- THE CONTRACTOR SHALL TAKE SOIL SAMPLES FROM A DEPTH OF (12") TWELVE INCHES MINIMUM FROM THE FOLLOWING AREAS: REFER TO SPECIFICATIONS FOR LOCATIONS.
- TREES SHALL BE STRAIGHT AND OF UNIFORM SHAPE WITHOUT DAMAGED, CROOKED OR MULTIPLE LEADERS. TREES WITH ABRASIONS OF THE BARK, SUNSCALDS, DISFIGURING KNOTS OR FRESH CUTS OF LIMBS OVER WHICH HAVE NOT BEEN PRUNED AND PAINTED OR COMPLETELY CALLOUSED, WILL NOT BE ACCEPTED. BOX SIZE STOCK SHALL HAVE GROWN IN SPECIFIED CONTAINER SIZE FOR AT LEAST (1) YEAR.



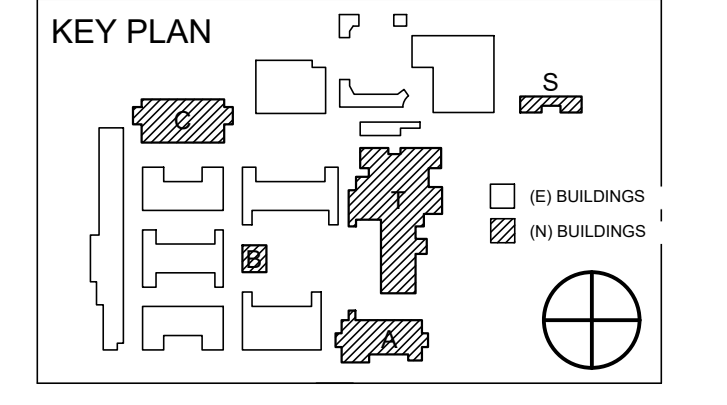
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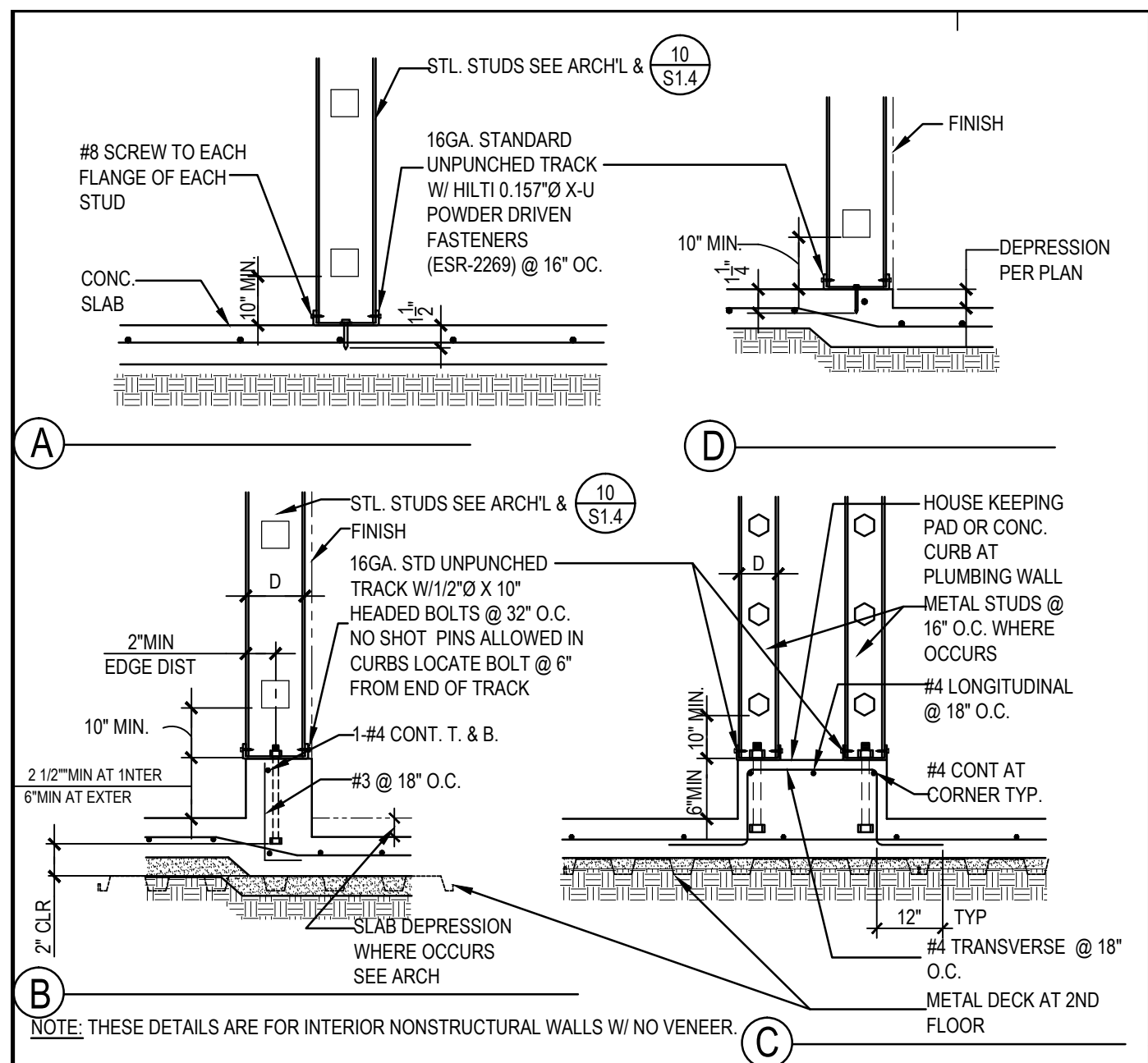
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05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

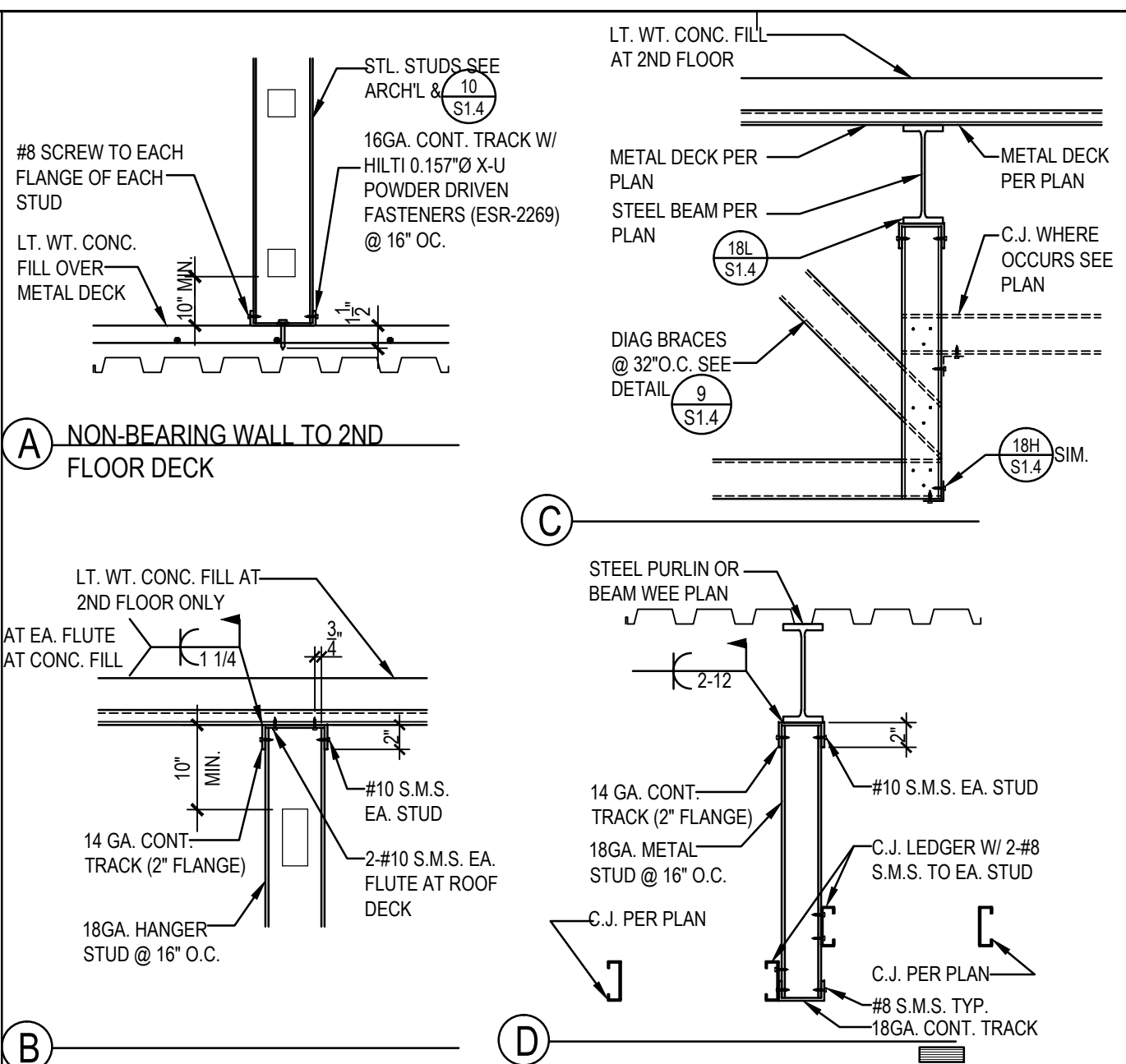
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LANDSCAPE PLANTING PLAN
 DRAWING NUMBER: **LP.2**

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NON-BEARING WALLS AT SLAB ON GRADE NTS 1

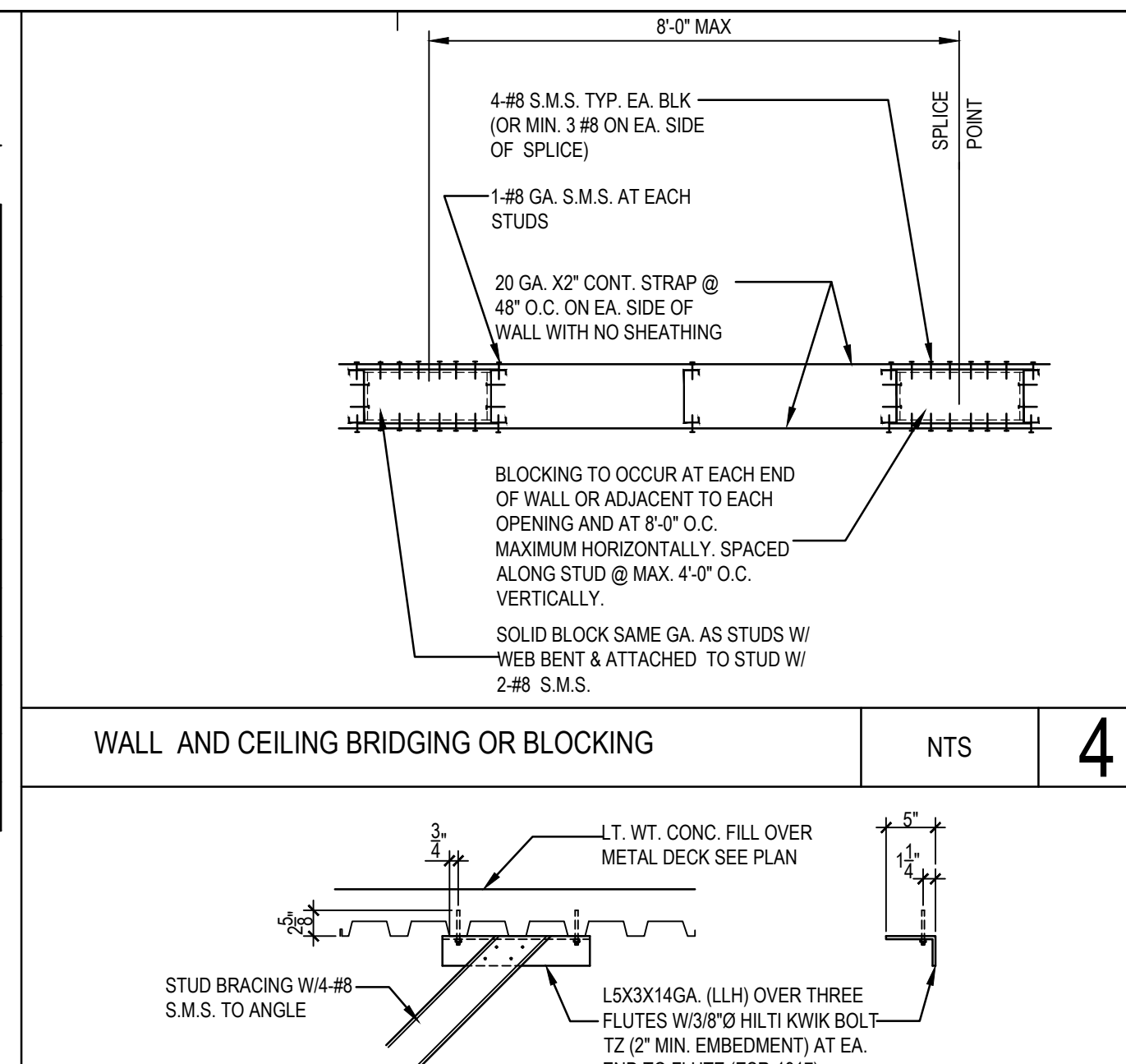


NON-BEARING WALLS DETAIL NTS 2

CEILING JOIST SCHEDULE (MAX. 15 PSF TOTAL LOAD)

SYMBOL	MAXIMUM SPAN	CEILING JOIST	SP	lxx GROSS	lxy GROSS	Sxx EFF.	TOP FLANGE BRACING LOCATION
Cj-1	7'-0"	4" X 20 GA. ST. S-STUD (4005137-33)	16"	0.603	0.091	0.290	NOT REQUIRED
Cj-2	8'-2"	4" X 18 GA. ST. S-STUD (4005137-33)	16"	0.776	0.078	0.382	NOT REQUIRED
Cj-3	9'-4"	4" X 18 GA. ST. S-STUD (4005137-33) UNPUNCHED	16"	1.582	0.069	0.510	NOT REQUIRED
Cj-4	11'-2"	4" X 20 GA. ST. S-STUD (4005137-33)	16"	0.603	0.091	0.290	AT MID-POINT
Cj-5	12'-0"	4" X 18 GA. ST. S-STUD (4005137-33)	16"	0.776	0.078	0.382	AT MID-POINT
Cj-6	15'-6"	8" X 18 GA. ST. S-STUD (4005137-33) UNPUNCHED	16"	1.582	0.069	0.510	AT THIRD POINT
Cj-7	17'-0"	8" X 18 GA. ST. S-STUD (4005137-33) UNPUNCHED	16"	4.134	0.063	1.033	AT THIRD POINT
Cj-8	18'-8"	8" X 18 GA. ST. S-STUD (4005137-33) UNPUNCHED	16"	2.042	0.087	0.670	AT QUARTER POINT
Cj-9	21'-10"	10" X 18 GA. ST. S-STUD (1005162-43) UNPUNCHED	16"	8.025	0.168	1.414	AT THIRD POINT
Cj-10	26'-3"	10" X 18 GA. ST. S-STUD (1005162-43) UNPUNCHED	16"	8.025	0.168	1.414	5" @ 0" C. MAX.
Cj-11	28'-0"	10" X 18 GA. ST. S-STUD (1005162-43) UNPUNCHED	16"	8.025	0.168	1.414	4" @ 0" C. MAX.

CEILING JOIST SCHEDULE NTS 3

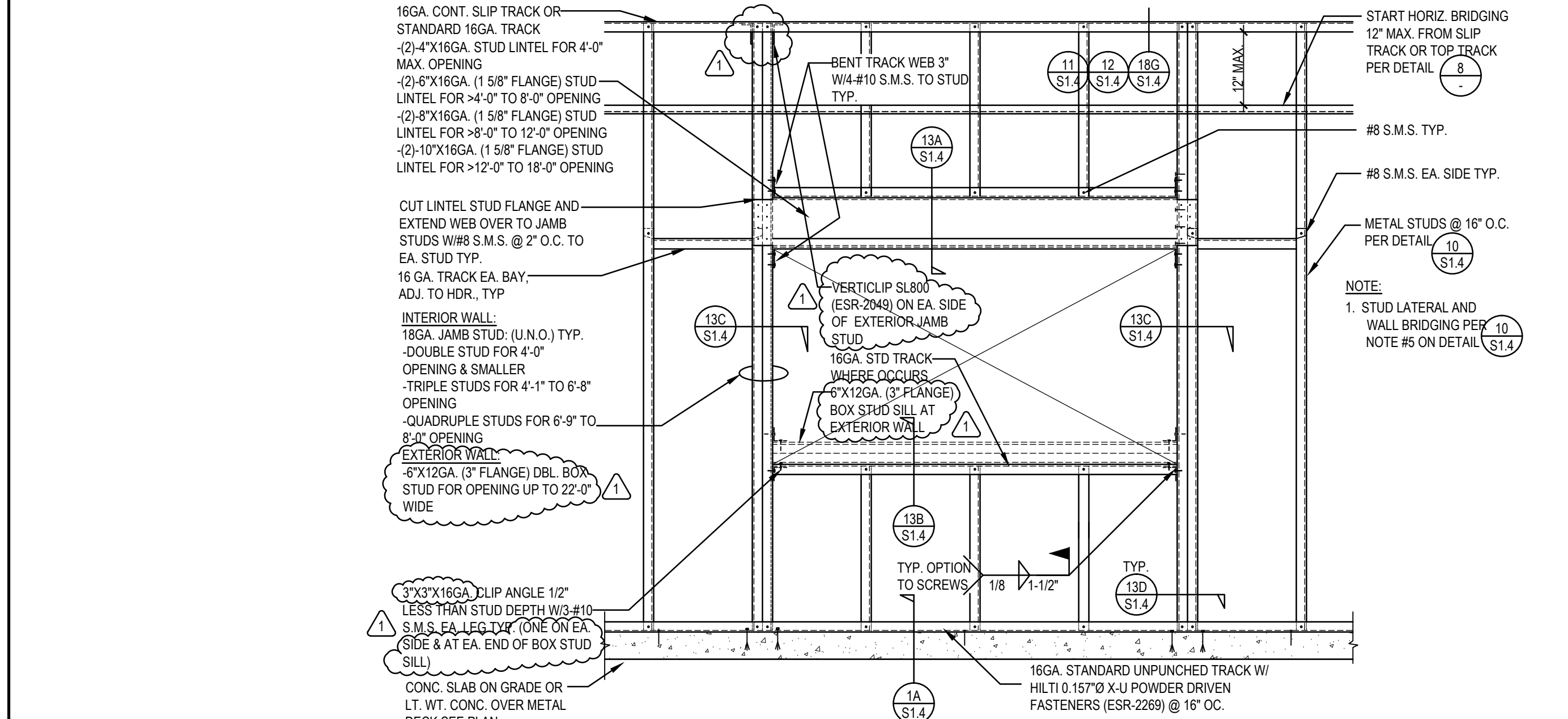


WALL AND CEILING BRIDGING OR BLOCKING NTS 4

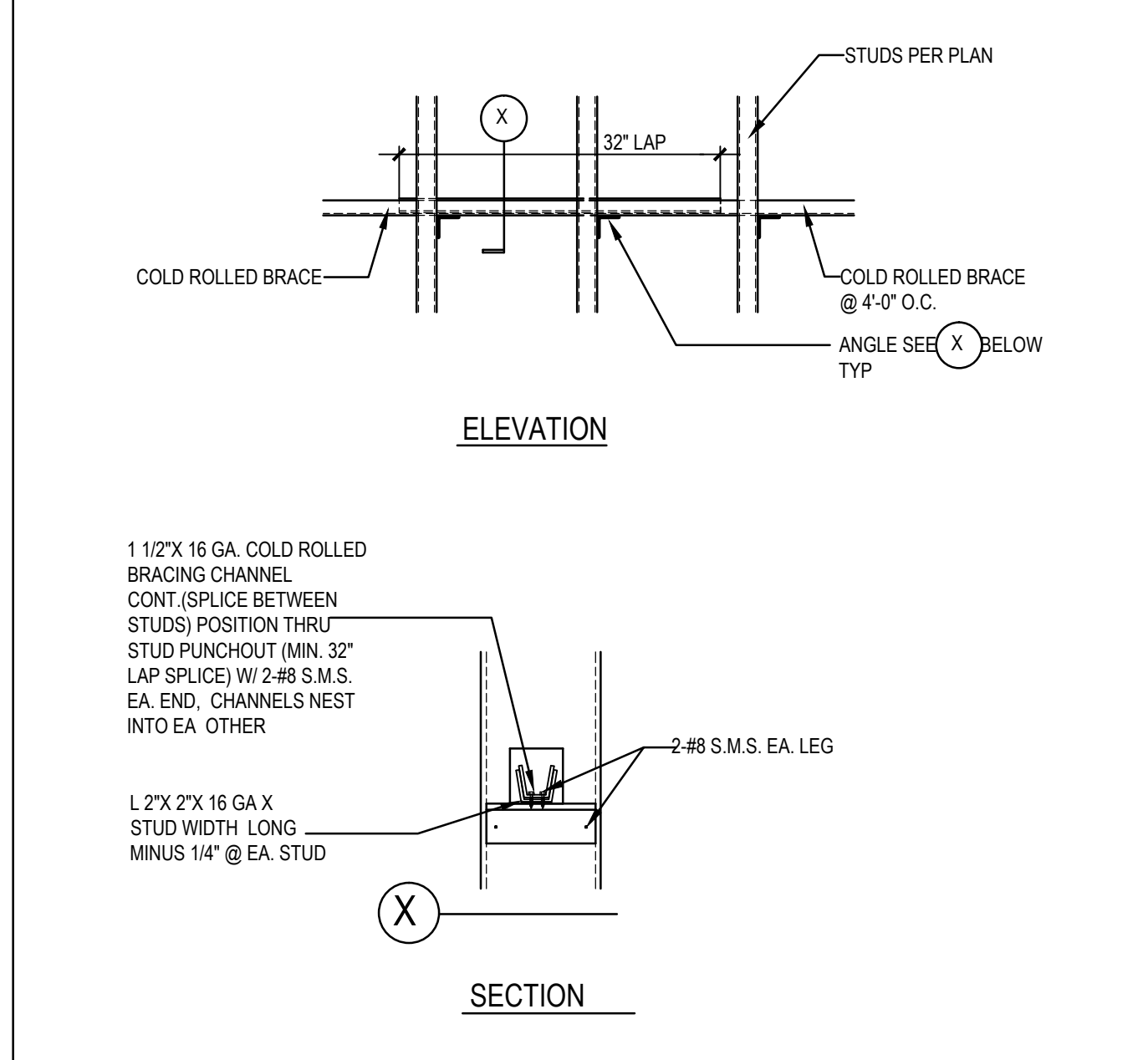
STL STUD PROPERTIES AND APPLICATION

STUD OR TRACK	SP	DEPTH	GA	MAX UNSUPPORTED WALL HEIGHT (NON-BEARING)	INTERIOR PARTITIONS (5 PSF LATERAL LOAD)	lxx GROSS	Sxx EFF.	lxy GROSS
2 1/2" S-STUD (200137-33)	16"	2 1/2"	20	6'-0"	12'-4"	0.203	0.156	0.052
3 5/8" S-STUD (200137-33)	16"	3 5/8"	20	6'-0"	16'-9"	0.479	0.254	0.099
4" S-STUD (200137-33)	16"	4"	20	8'-0"	18'-1"	0.603	0.290	0.061
6" S-STUD (200137-33)	16"	6"	20	11'-6"	24'-3"	1.582	0.510	0.069
4" S-STUD (4005137-33)	16"	4"	18	9'-3"	19'-8"	0.776	0.382	0.078
6" S-STUD (4005137-33)	16"	6"	18	12'-6"	27'-2"	2.042	0.670	0.087
8" S-STUD (4005137-33)	16"	8"	18	16'-3"	34'-4"	4.134	1.033	0.093
6" S-STUD (8005137-33)	16"	6"	16	13'-6"	29'-1"	2.518	0.809	0.105
8" S-STUD (8005137-33)	16"	8"	16	17'-4"	36'-10"	5.110	1.249	0.112
8" XC-STUD (8005137-33)	16"	8"	16	18'-0"	37'-0"	5.736	1.397	0.194
2 1/2" STD TRACK (200137-33)	16"	2 1/2"	16			0.319	0.188	0.043
3 5/8" STD TRACK (200137-33)	16"	3 5/8"	16			0.723	0.312	0.048
4" STD TRACK (200137-33)	16"	4"	16			0.904	0.359	0.049
6" STD TRACK (200137-33)	16"	6"	16			2.344	0.653	0.054
6" STD TRACK (4005137-33)	16"	6"	16			4.745	0.961	0.057
6" XC-STD TRACK (4005137-33)	16"	6"	16			1.861	0.915	0.044
2 1/2" DL TRACK (200137-33)	16"	2 1/2"	16			0.368	0.197	0.072
3 5/8" DL TRACK (200137-33)	16"	3 5/8"	16			0.823	0.325	0.080
4" DL TRACK (200137-33)	16"	4"	16			1.025	0.374	0.082
6" DL TRACK (200137-33)	16"	6"	16			2.611	0.678	0.091
6" DL TRACK (4005137-33)	16"	6"	16			5.214	0.963	0.096
6" DL TRACK (8005137-33)	16"	6"	16			2.072	0.534	0.073

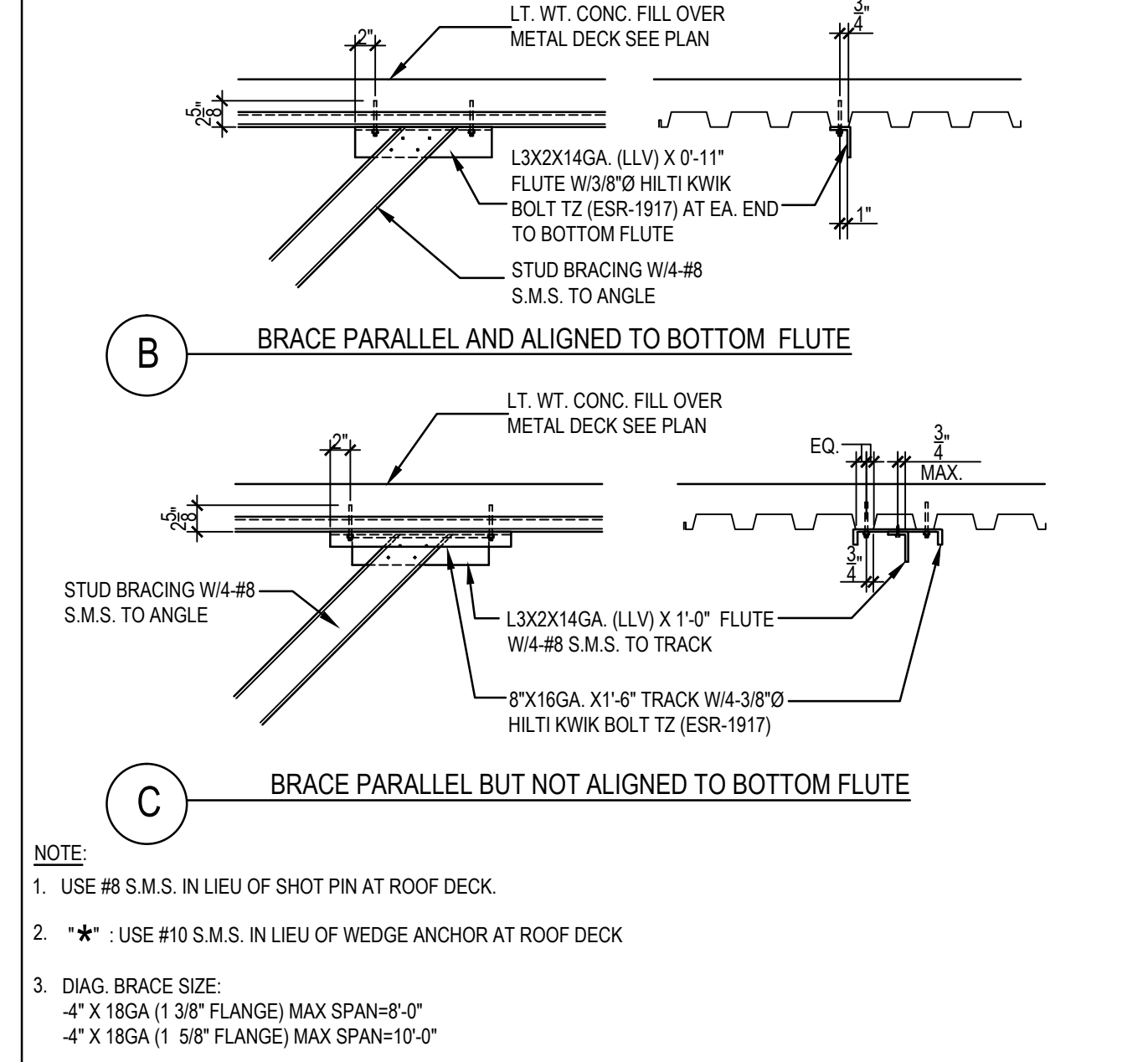
STL STUD PROPERTIES AND APPLICATION NTS 5



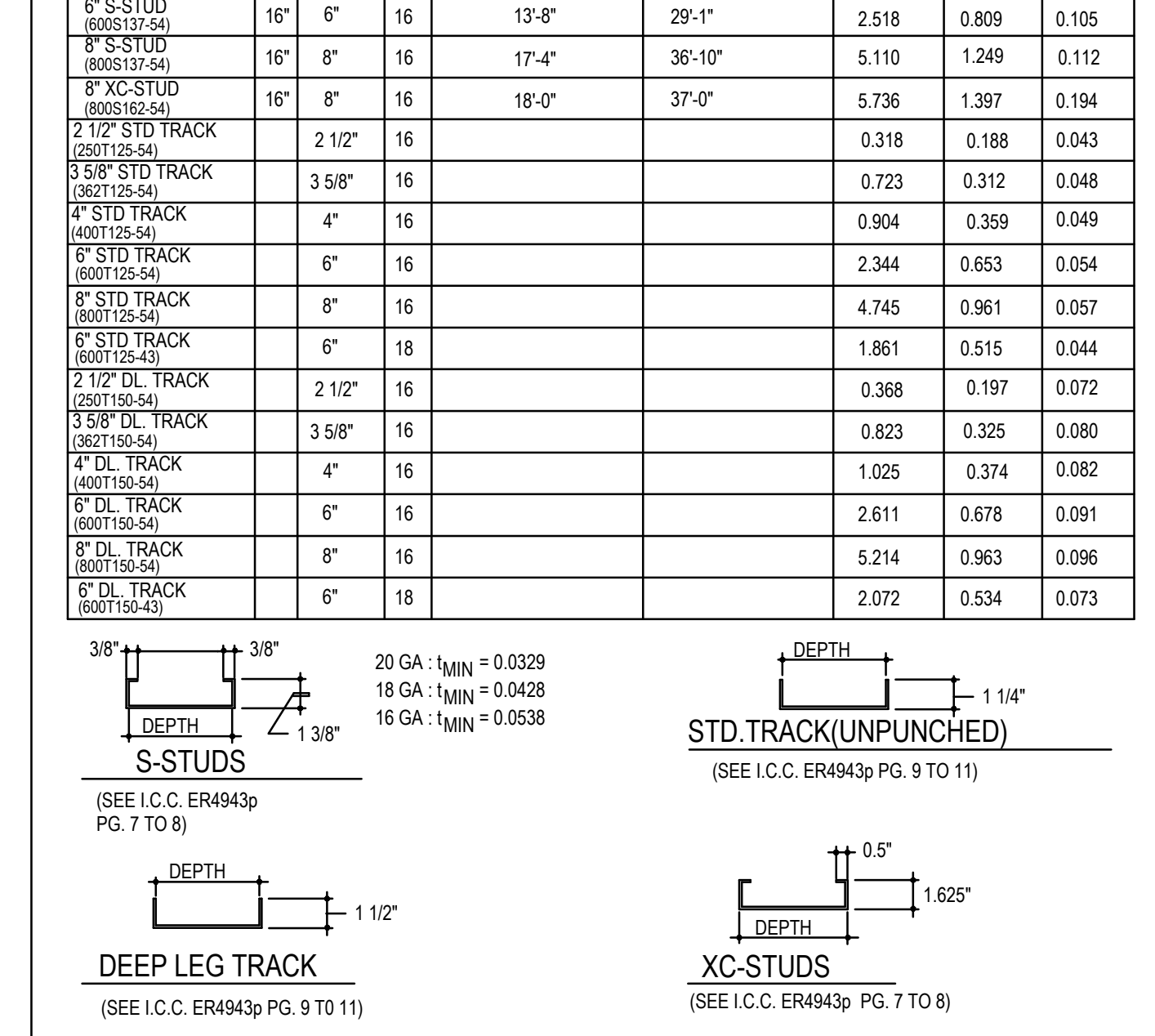
METAL STUD WALL FRAMING ELEVATION NTS 7



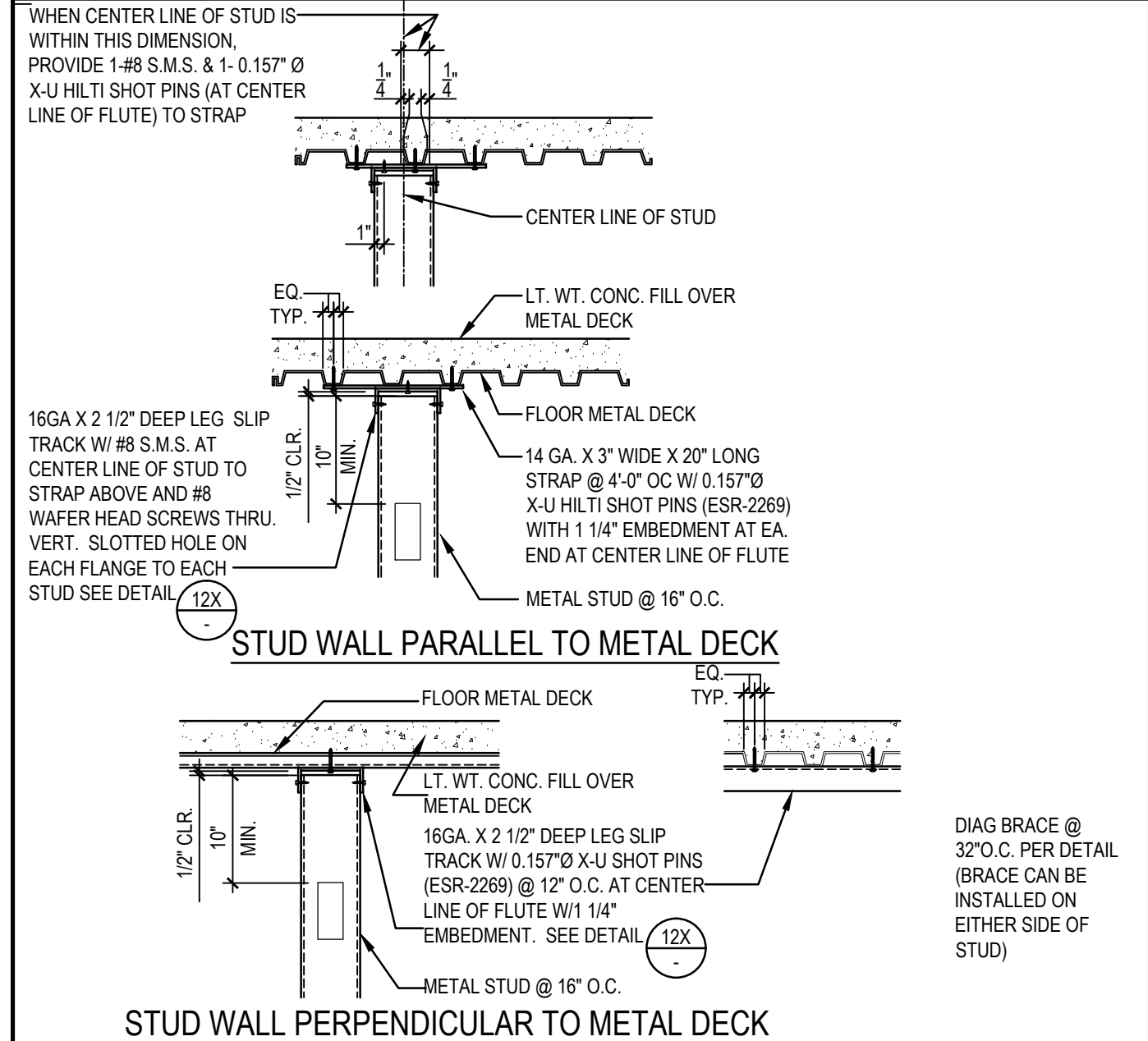
STUD LATERAL BRIDGING NTS 8



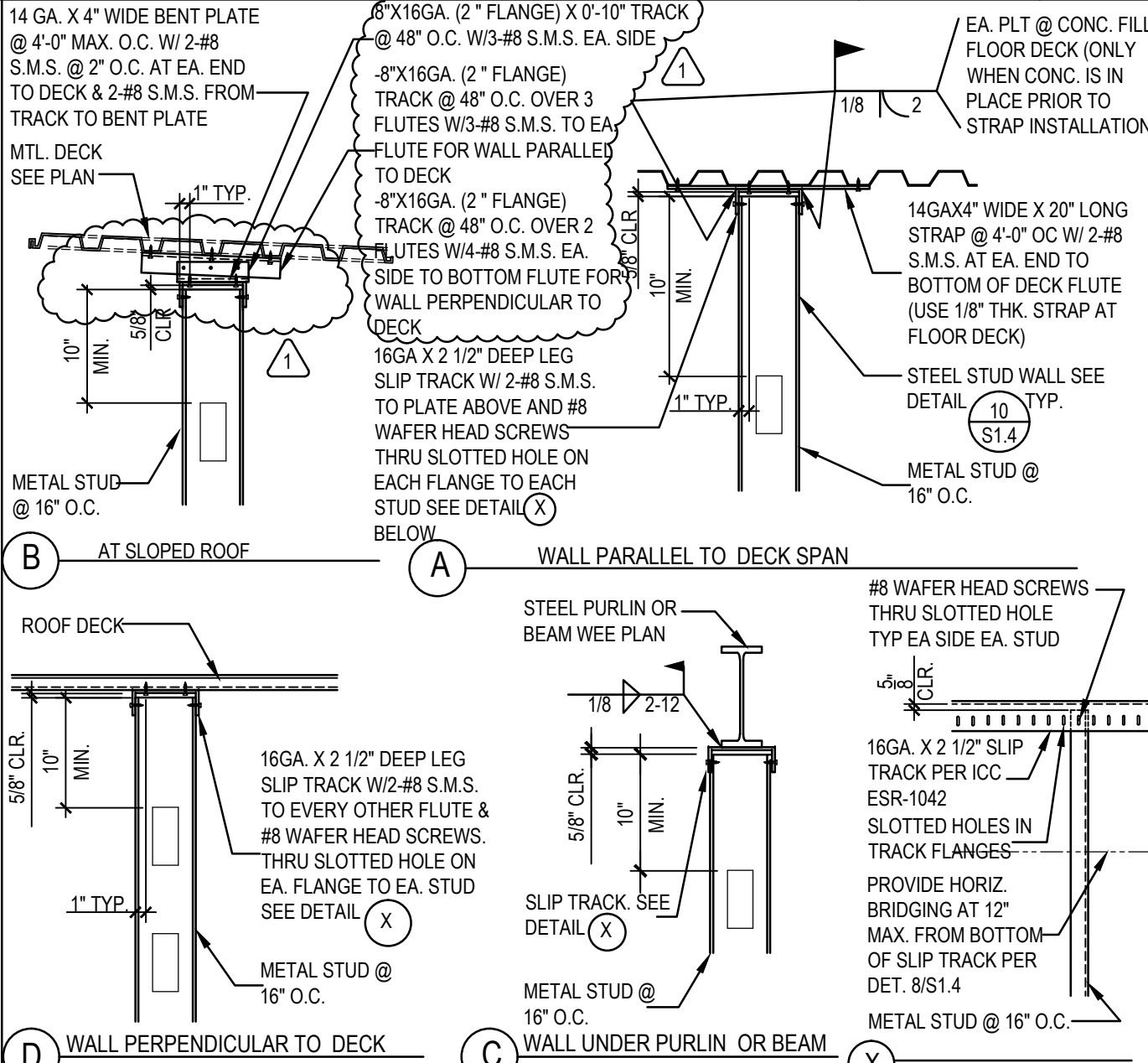
METAL STUD BRACE CONNECTION FLOOR DECK (SIM. AT ROOF DECK) NTS 9



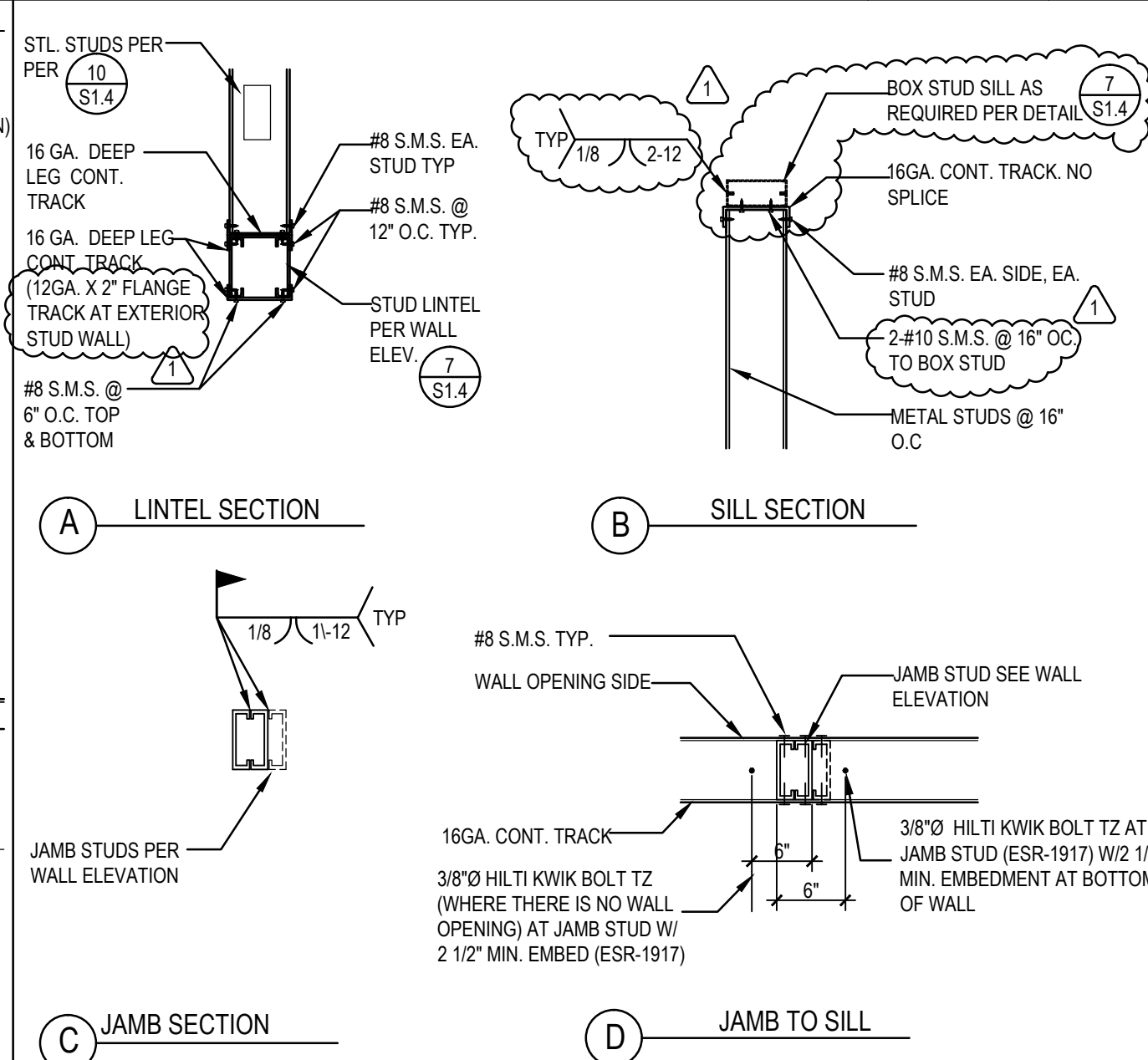
COLD FORMED METAL FRAMING NTS 10



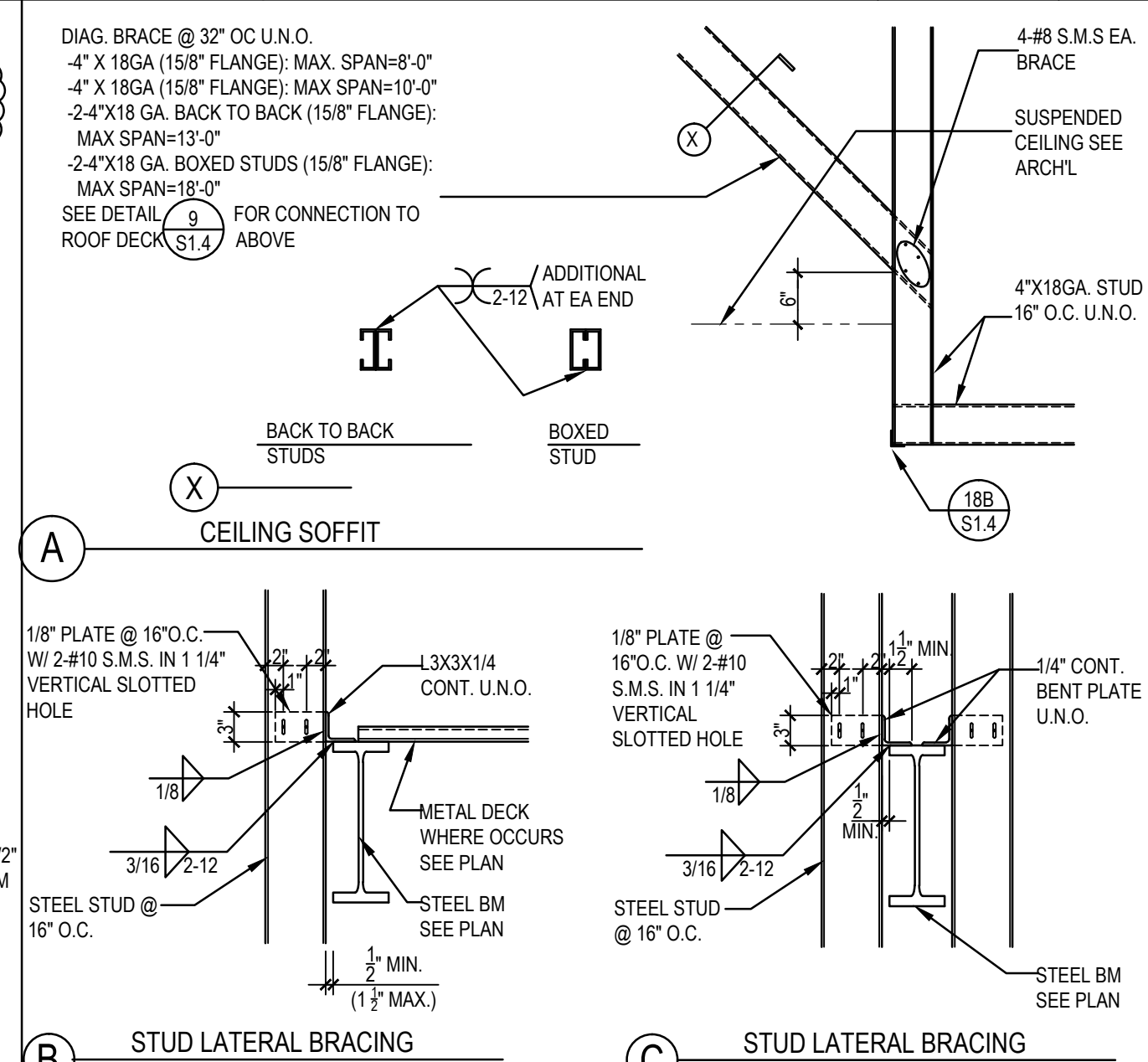
STUD WALL PARALLEL TO METAL DECK NTS 11



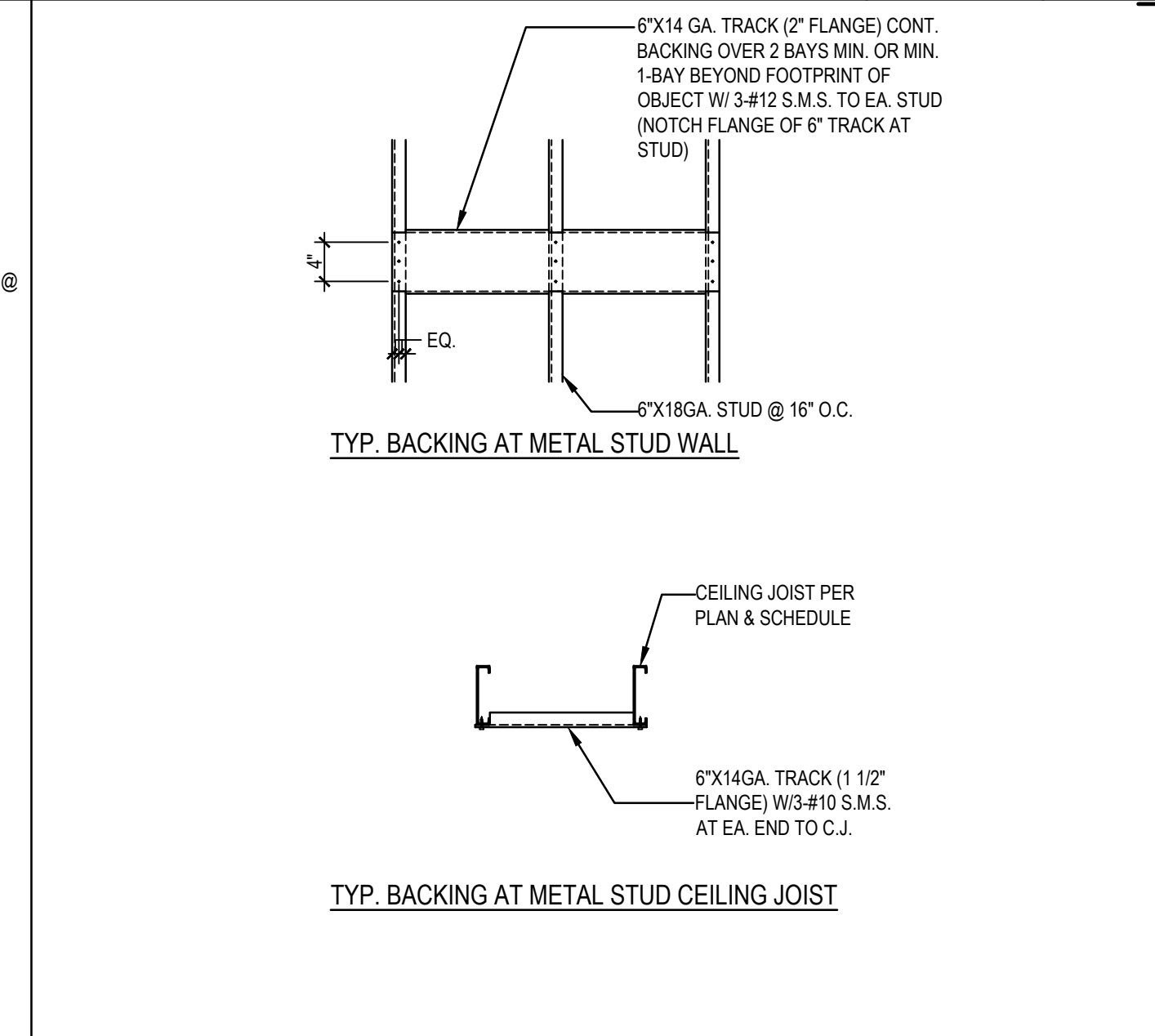
STUD WALL PERPENDICULAR TO METAL DECK NTS 12



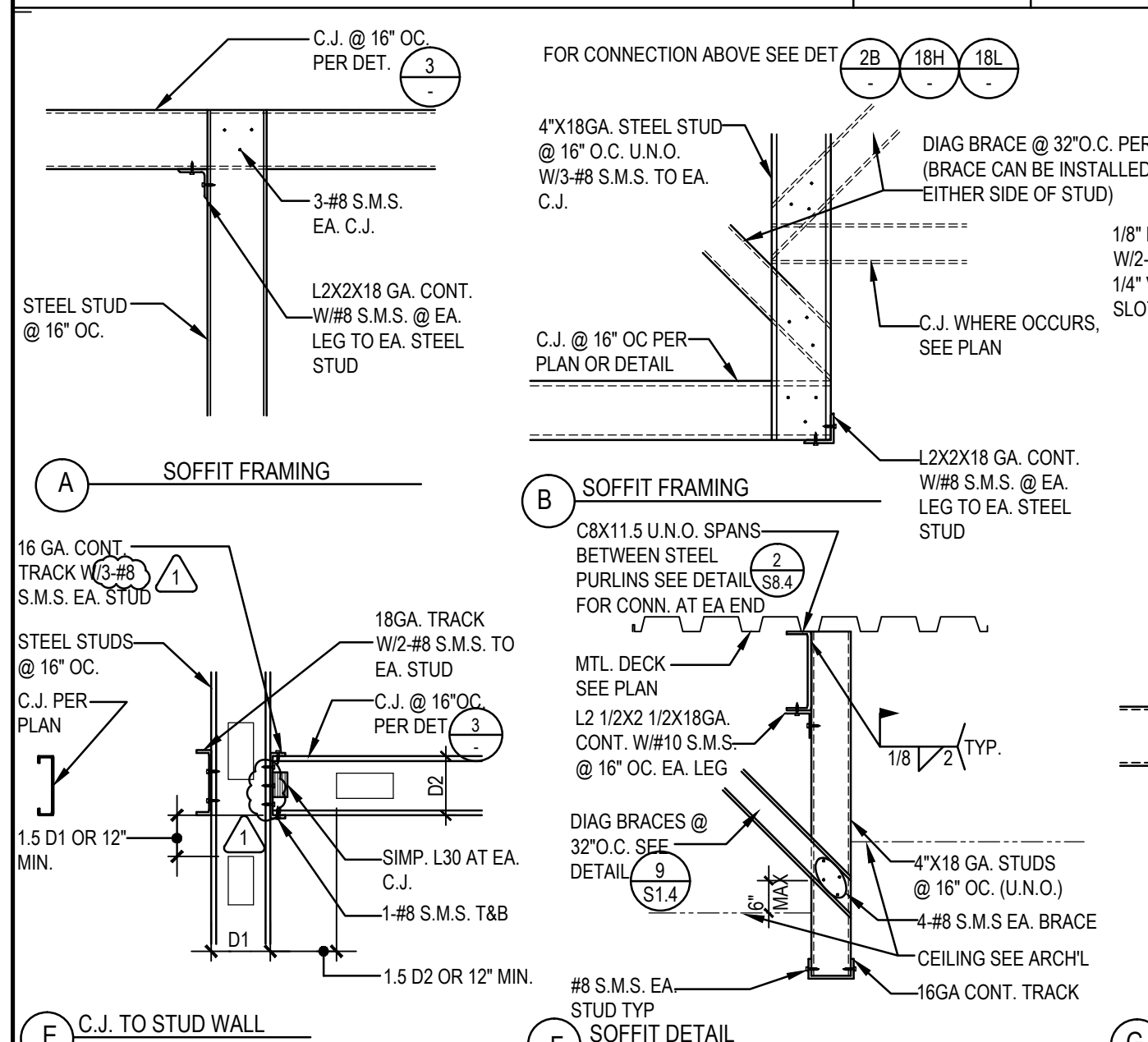
LINTEL SECTION NTS 13



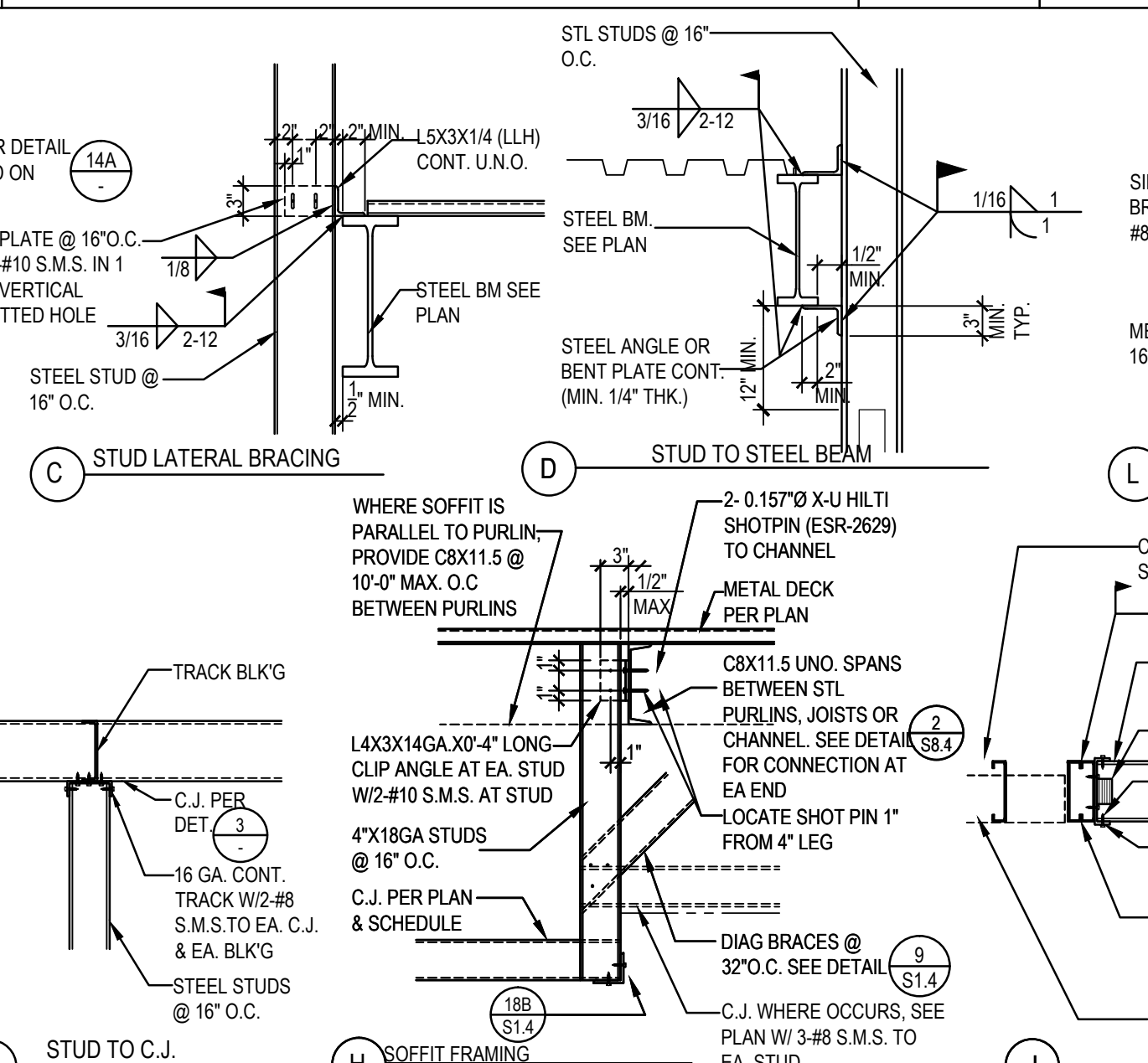
CEILING SOFFIT / METAL STUD LATERAL BRACING NTS 14



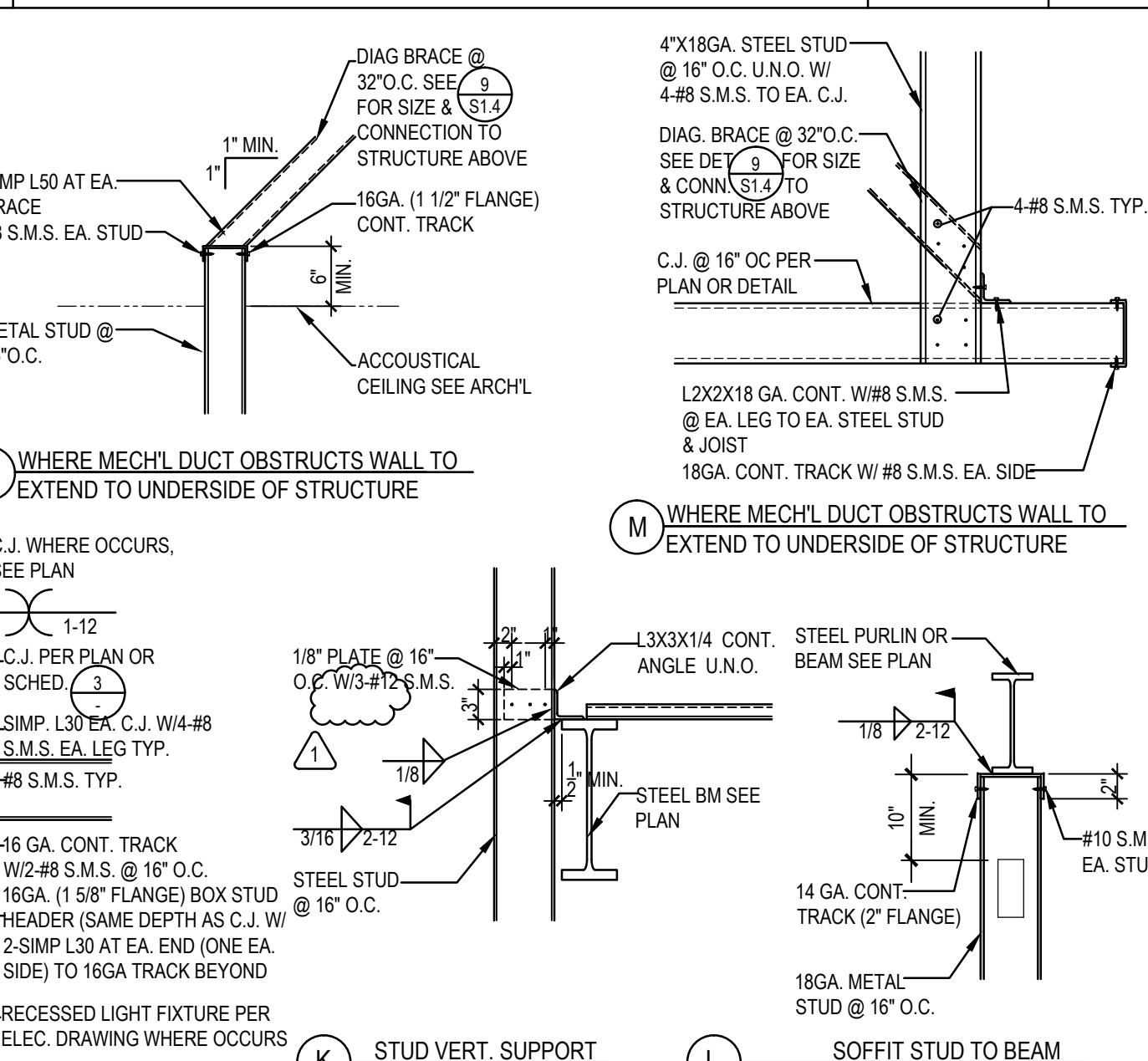
TYP. BACKING AT METAL STUD WALL & CEILING JOIST NTS 15



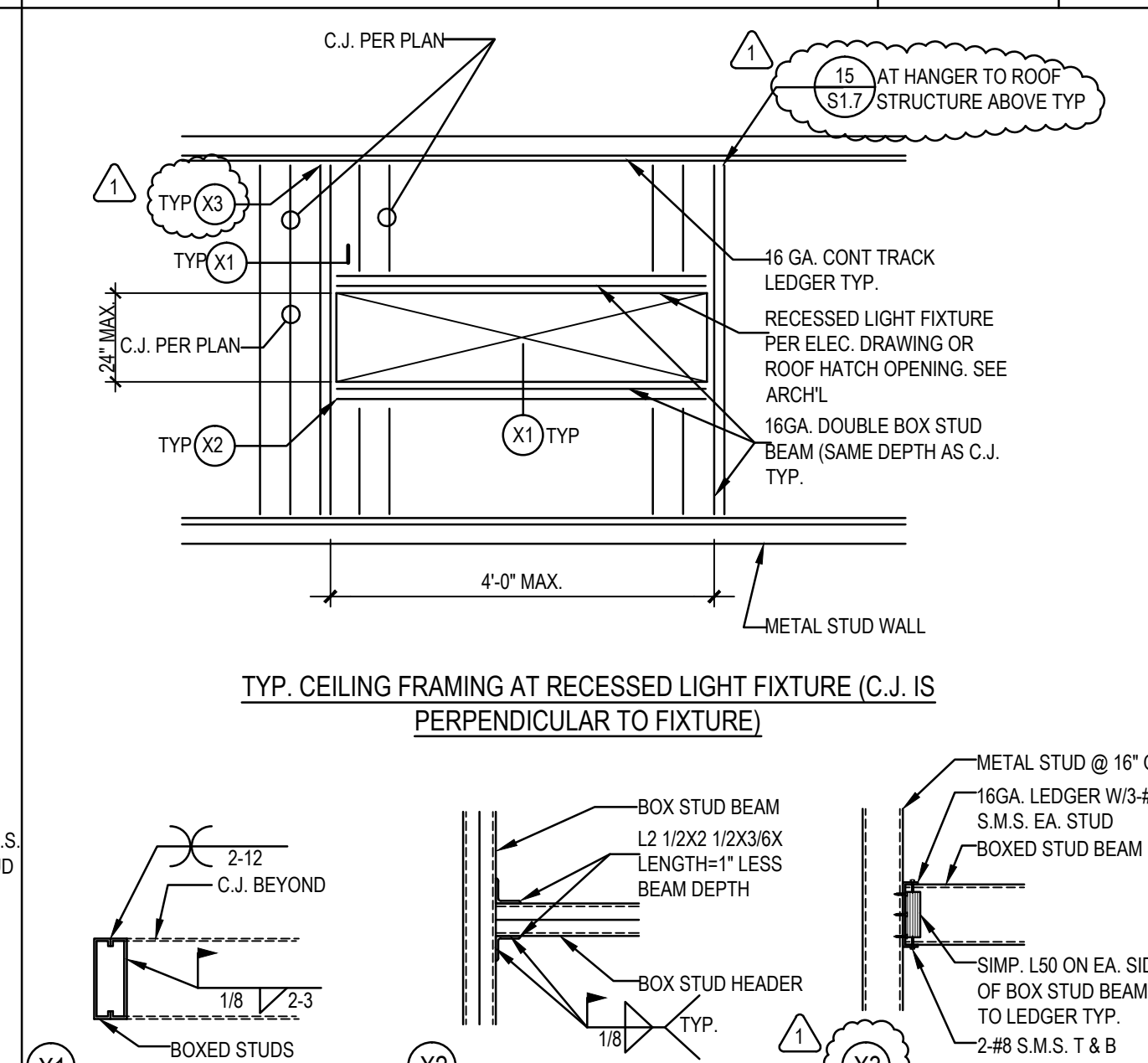
NON-BEARING TOP SUPPORT AT FLOOR NTS 11



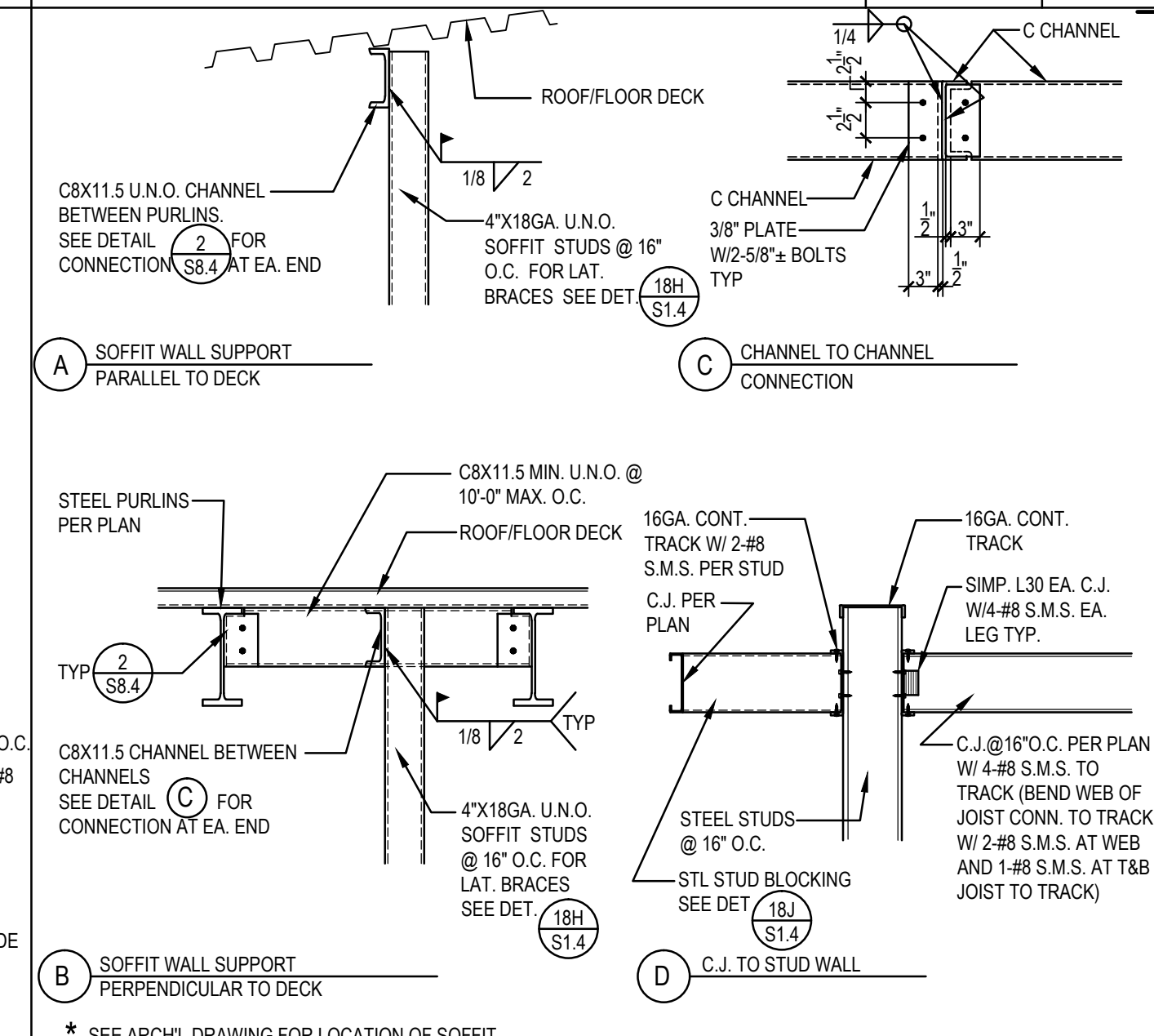
NON-BEARING TOP SUPPORT AT ROOF NTS 12



WHERE MECH. DUCT OBSTRUCTS WALL TO EXTEND TO UNDERSIDE OF STRUCTURE NTS 18



CEILING FRAMING AT RECESSED LIGHT FIXTURE OR ROOF HATCH OPENING NTS 19



WALL STUD, SOFFIT STUD & CEILING FRAMING DETAILS NTS 20

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REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
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Exp. 6-30-17

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APPL 03-11571
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KEY PLAN

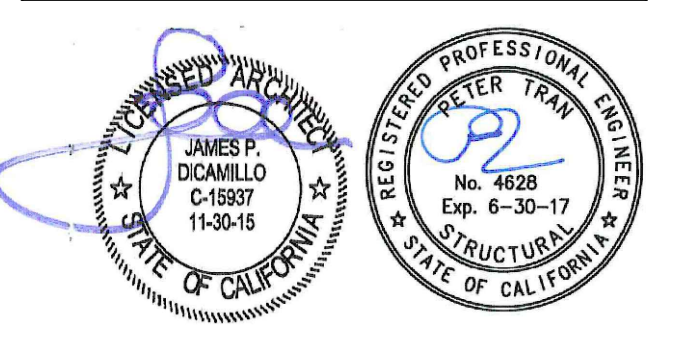
REVISION SCHEDULE

NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACKCHECK	
12/12/2015	ADDENDUM 1	

DRWN: IDK CHKD: PT
DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

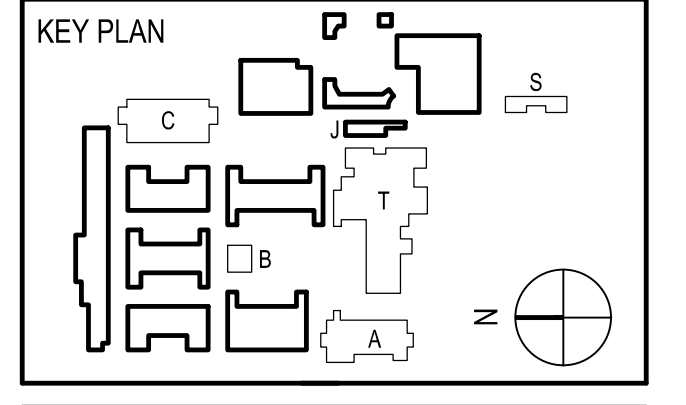
TYPICAL DETAILS
DRAWING NUMBER: **S1.4**

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REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACKCHECK	
12/12/2015	ADDENDUM 1	

DRWN: IDK CHKD: PT
DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

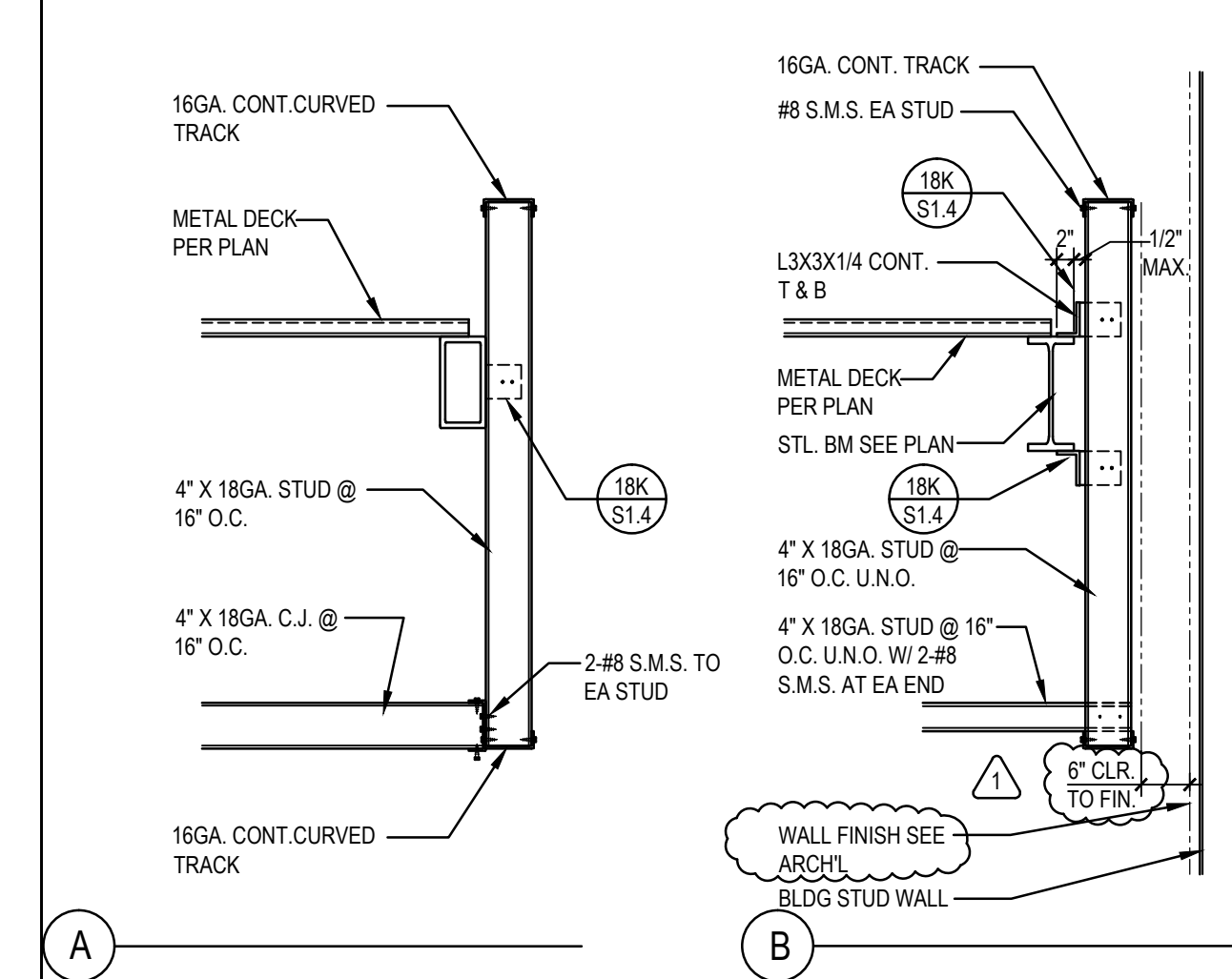
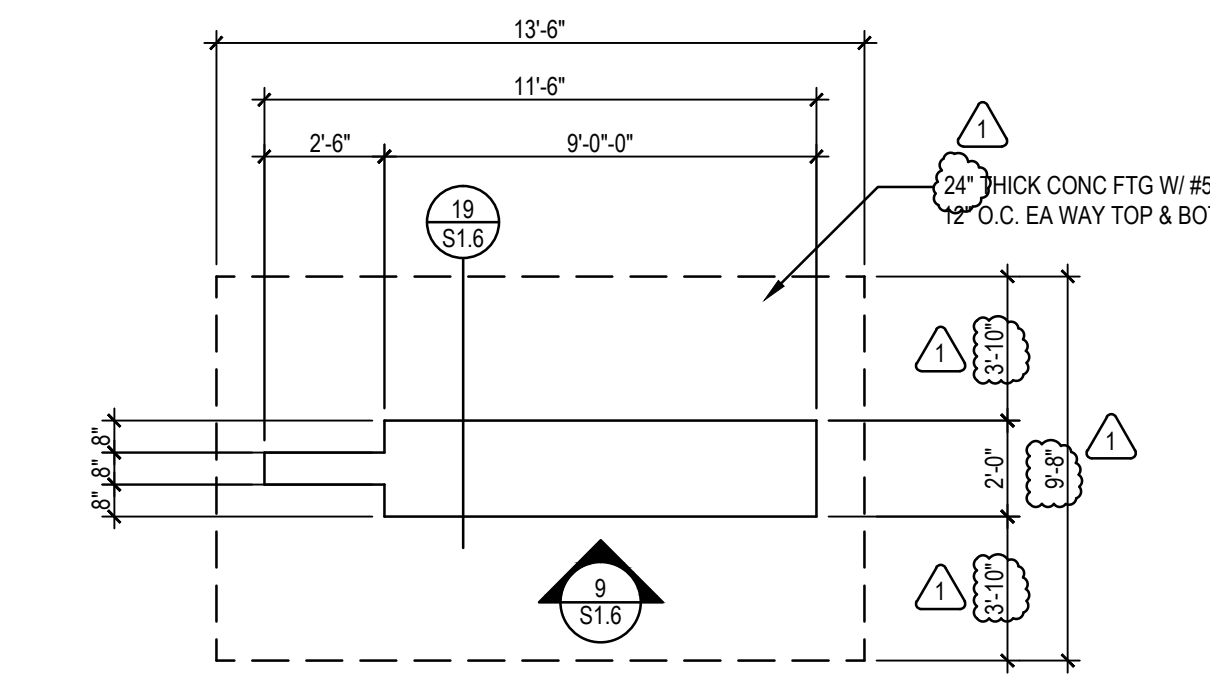
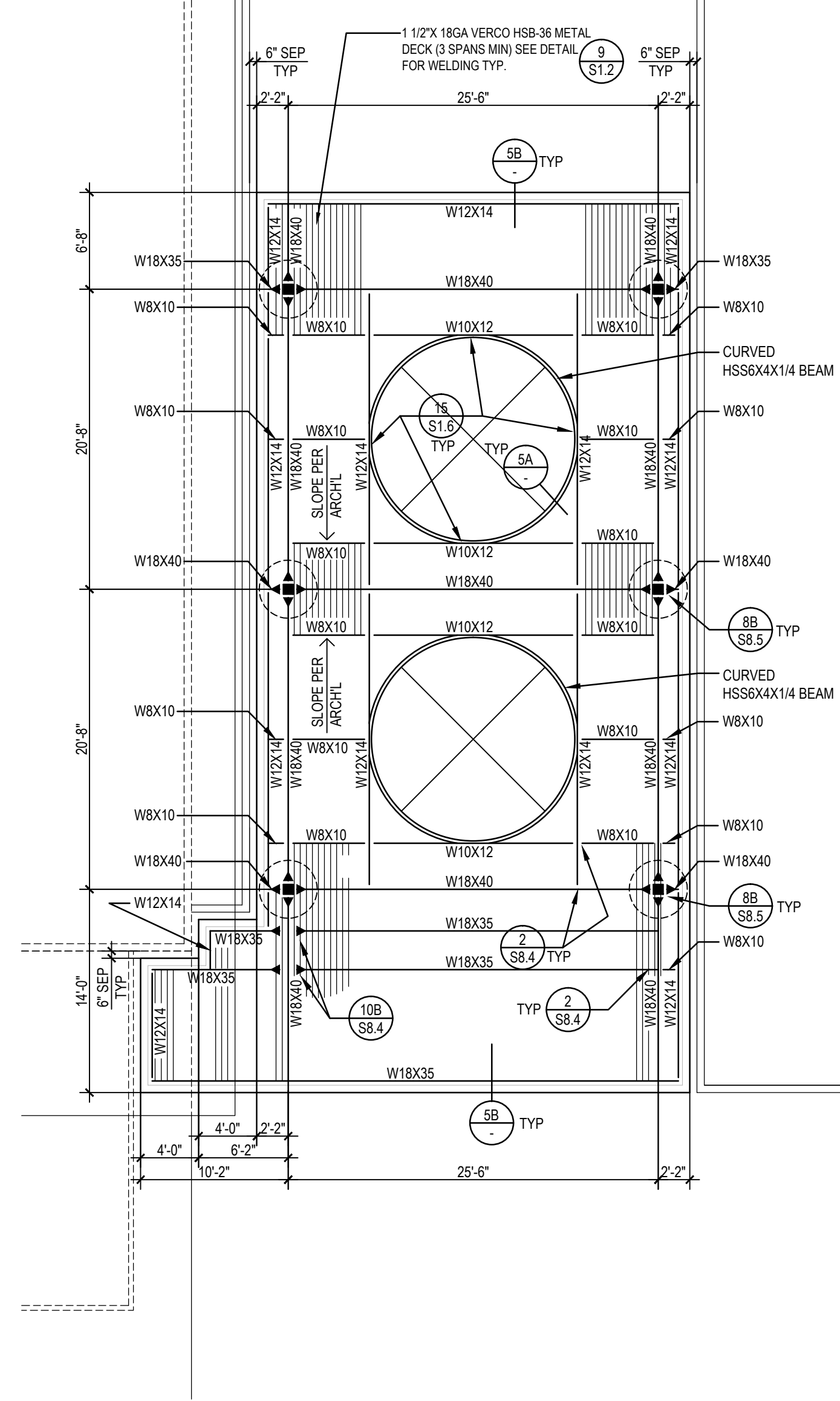
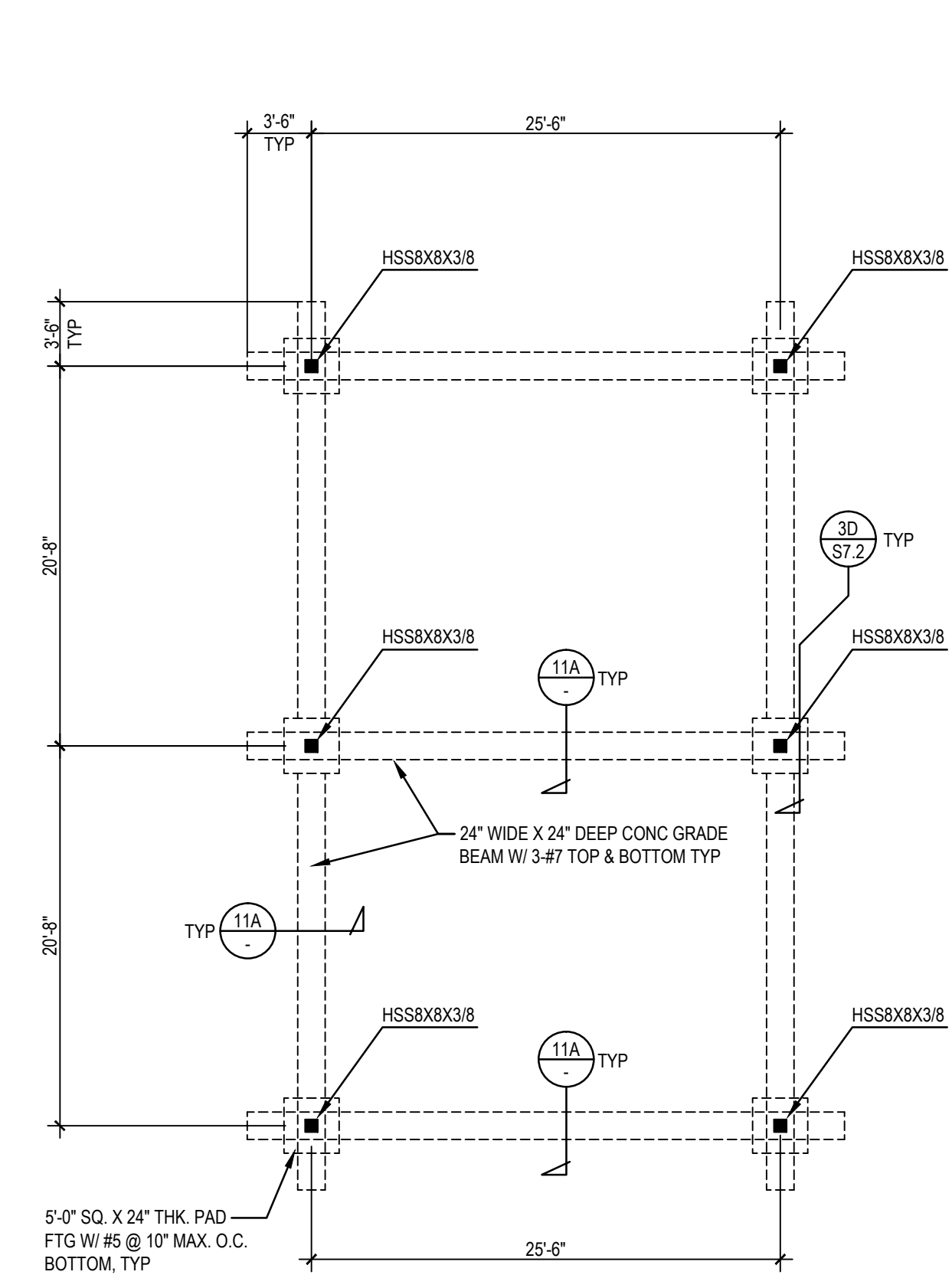
TYPICAL DETAILS

DRAWING NUMBER: **S1.5**

<p>STAIR STRING TO SLAB 3/4"=1'-0" 1</p>	<p>STAIR TREAD/HANDRAIL DETAIL 3/4"=1'-0" 2</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 3</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 4</p>	<p>STAIR STRINGER AT STUD WALL 3/4"=1'-0" 5</p>
<p>STAIR LANDING /BLACOYNY EDGE 3/4"=1'-0" 6</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 7</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 8</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 9</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 10</p>
<p>STAIR LANDING DETAIL 3/4"=1'-0" 11</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 12</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 13</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 14</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 15</p>
<p>STAIR LANDING DETAIL 3/4"=1'-0" 16</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 17</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 18</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 19</p>	<p>STAIR LANDING DETAIL 3/4"=1'-0" 20</p>

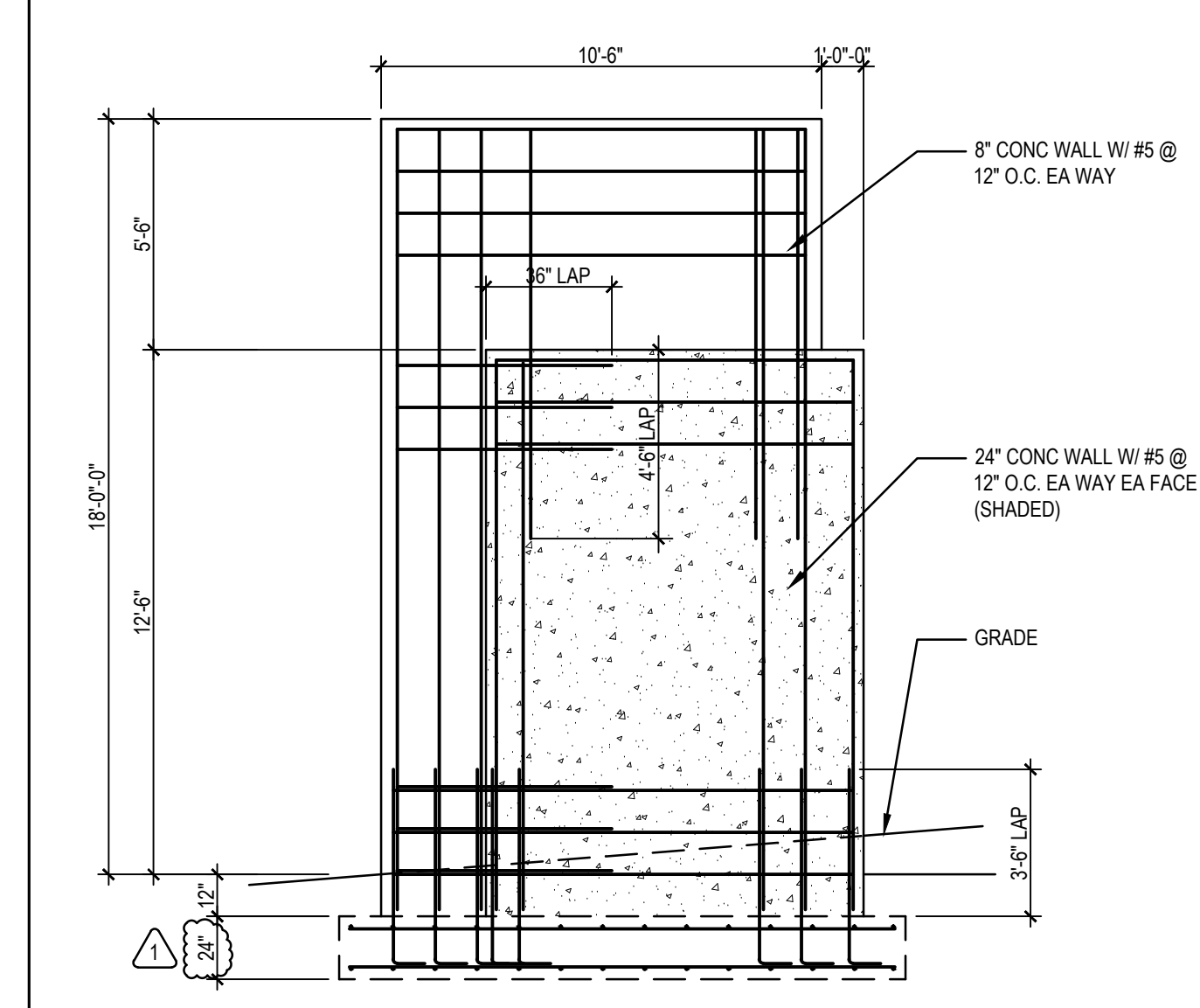
NOTES:

1. FOR FOUNDATION NOTES, SEE SHEET SA.1
2. FOR FRAMING NOTES, SEE SHEET SA.1



MONUMENT SIGN FOUNDATION PLAN 1/4"=1'-0" 4

SECTION THRU ROOF 3/4"=1'-0" 5

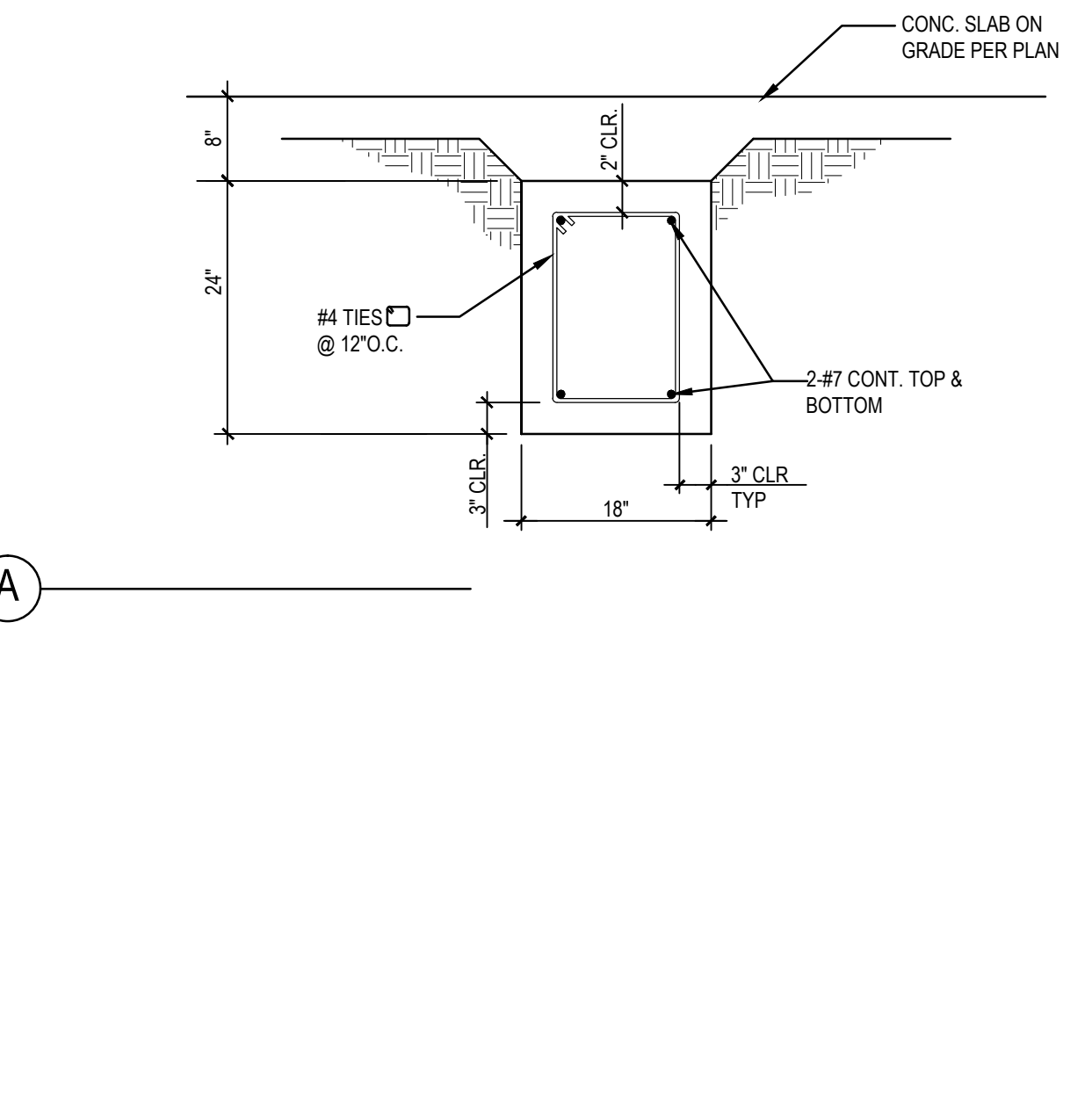


MONUMENT SIGN ELEVATION 1/4"=1'-0" 9

3/4"=1'-0" 10

OVERHANG ENTRANCE FOUNDATION PLAN & ROOF FRAMING PLAN 1/8"=1'-0" 7

1/8"=1'-0" 8



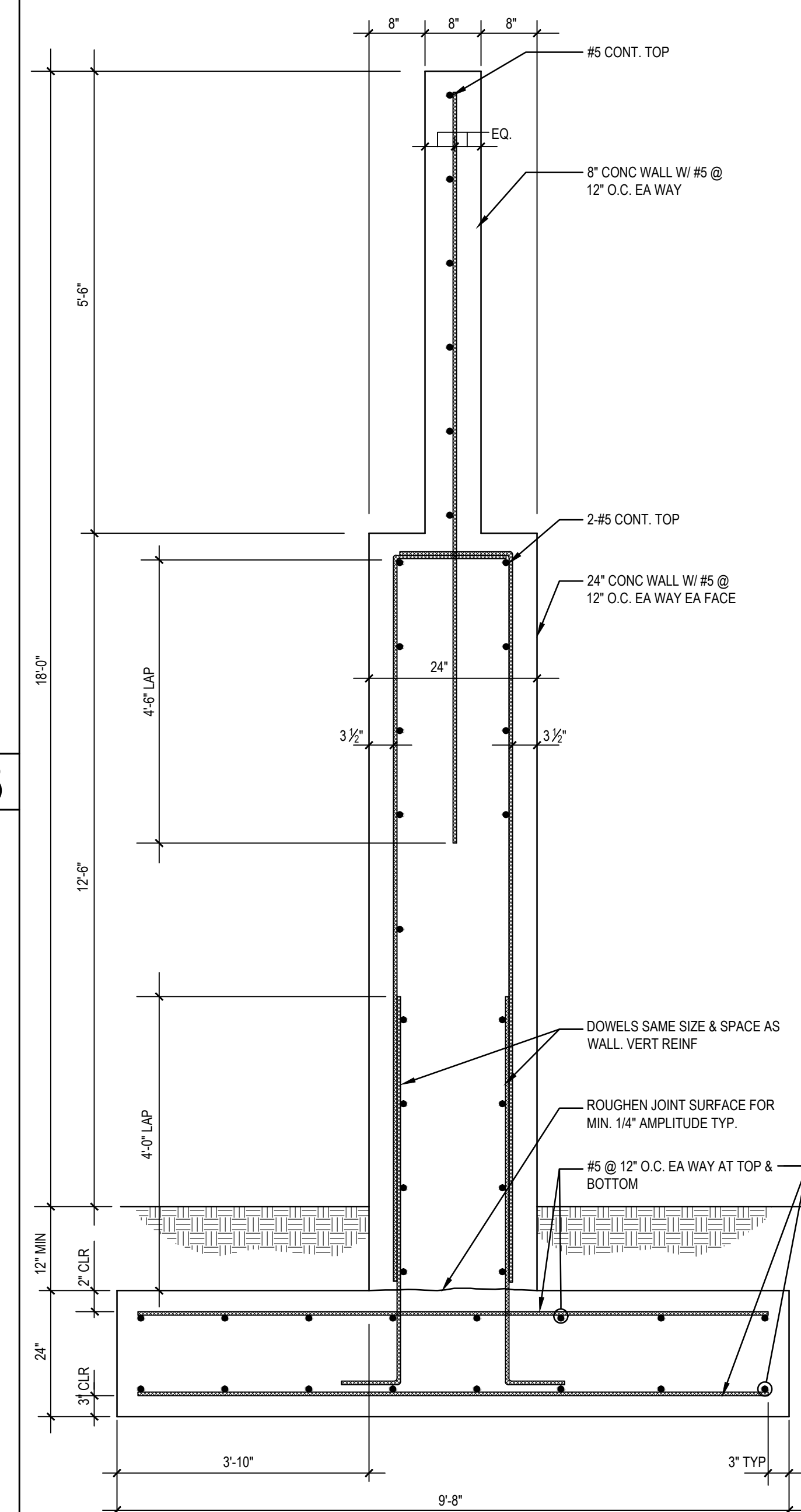
GRADE BEAM 3/4"=1'-0" 11



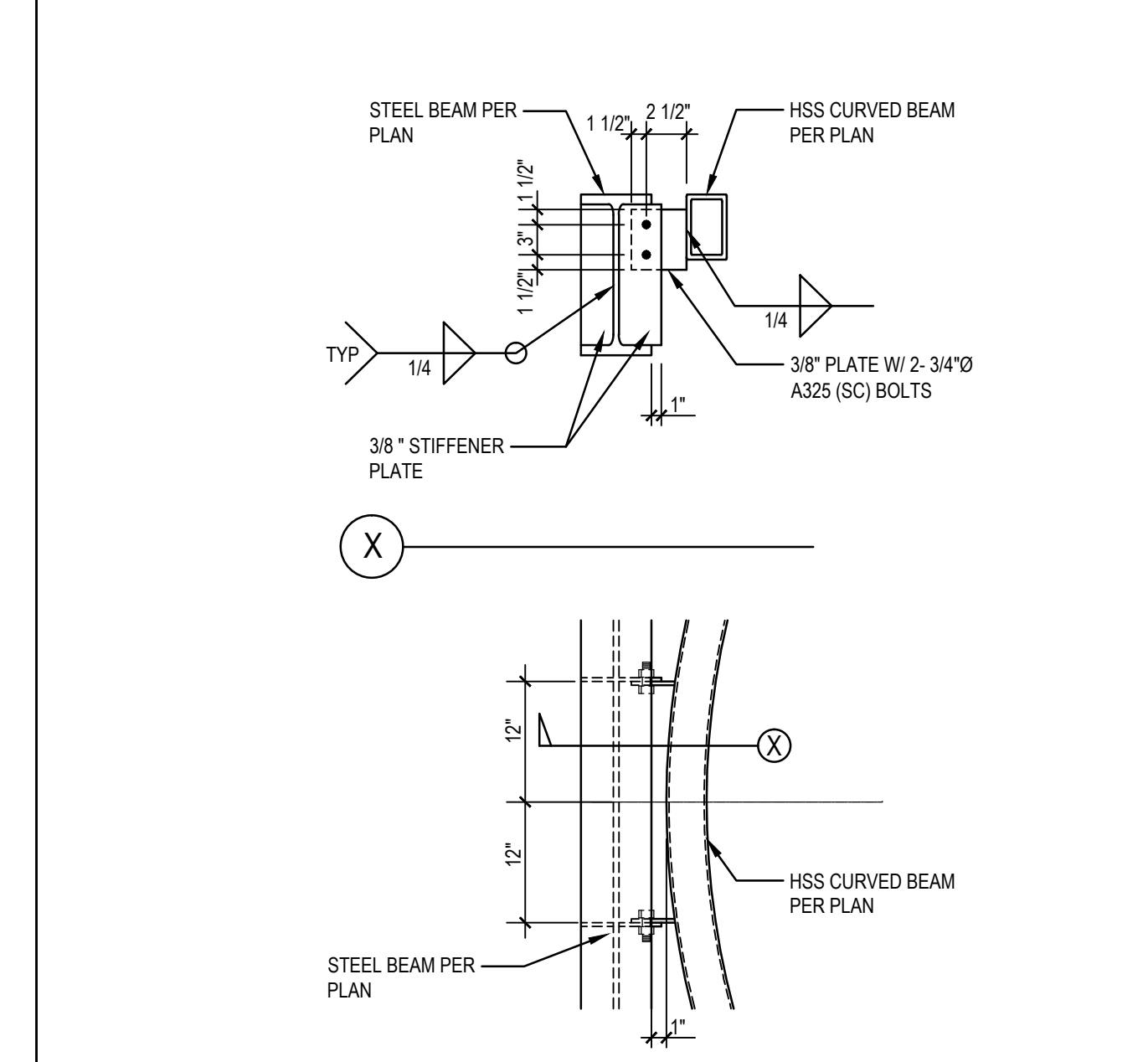
3/4"=1'-0" 12



3/4"=1'-0" 13



MONUMENT SIGN NTS 19



3/4"=1'-0" 15

3/4"=1'-0" 16

3/4"=1'-0" 17

3/4"=1'-0" 18

3/4"=1'-0" 19

3/4"=1'-0" 20

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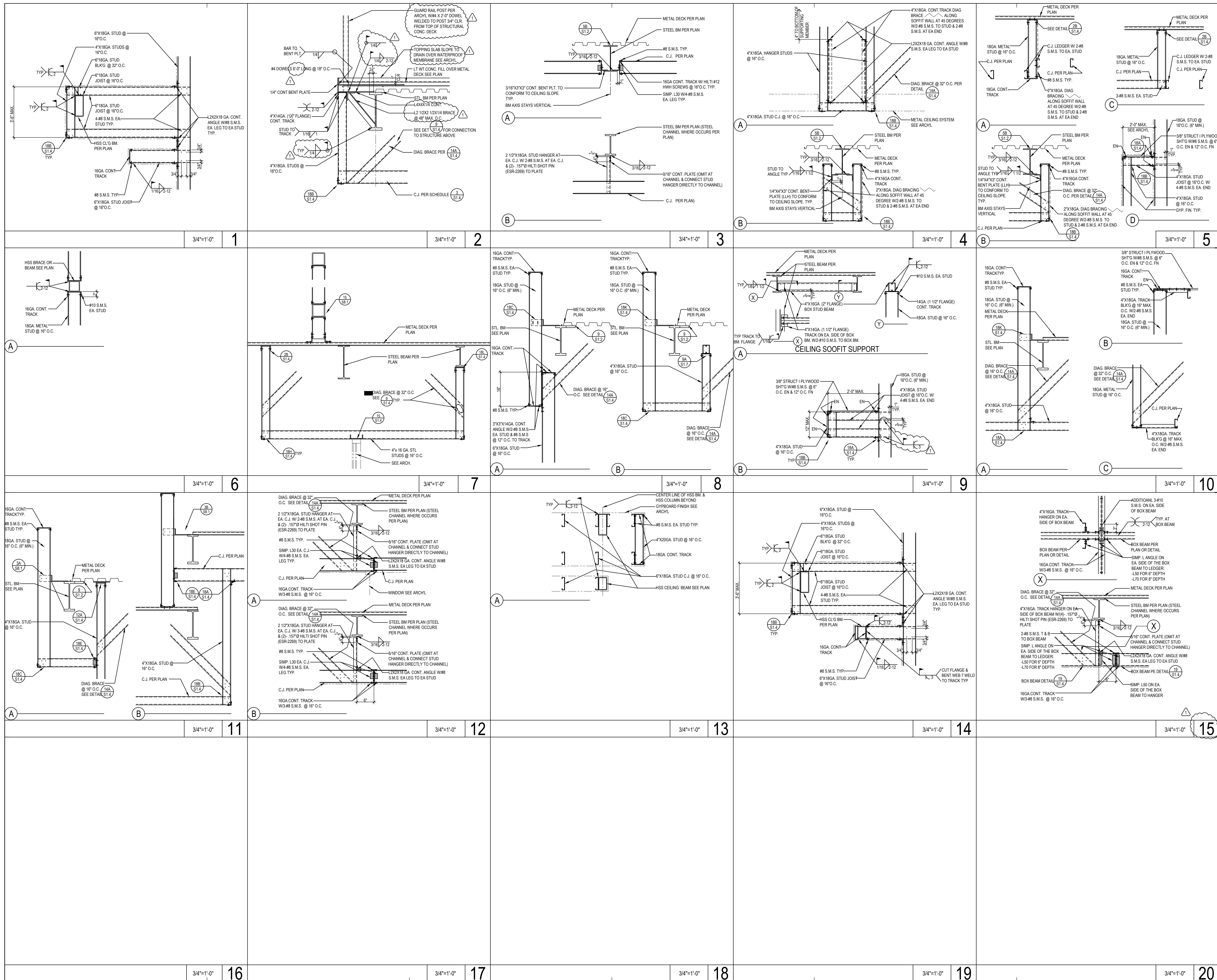
KEY PLAN
C B T S Z

REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACKCHECK	
12/12/2015	ADDENDUM 1	

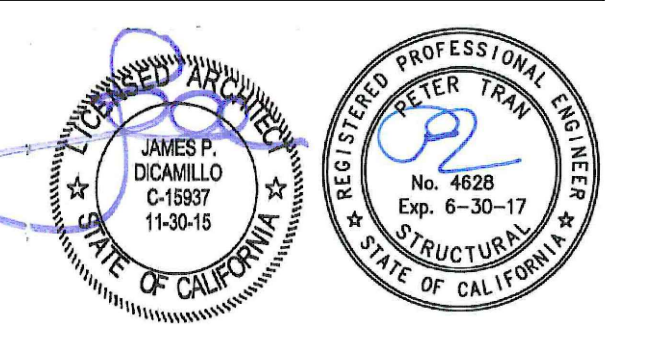
DRWN: IDK CHKD: PT
DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

SITE PLANS AND DETAILS

DRAWING NUMBER: **S1.6**

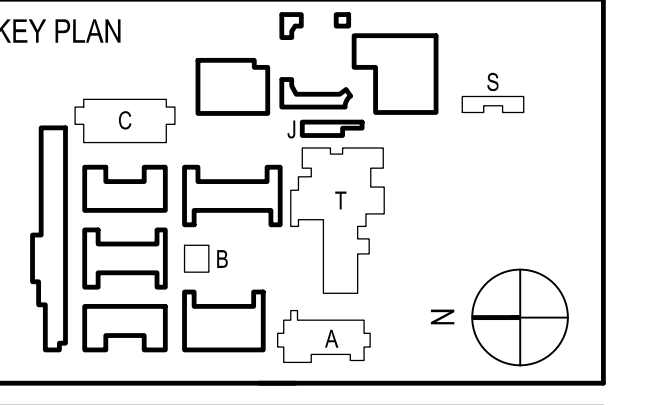


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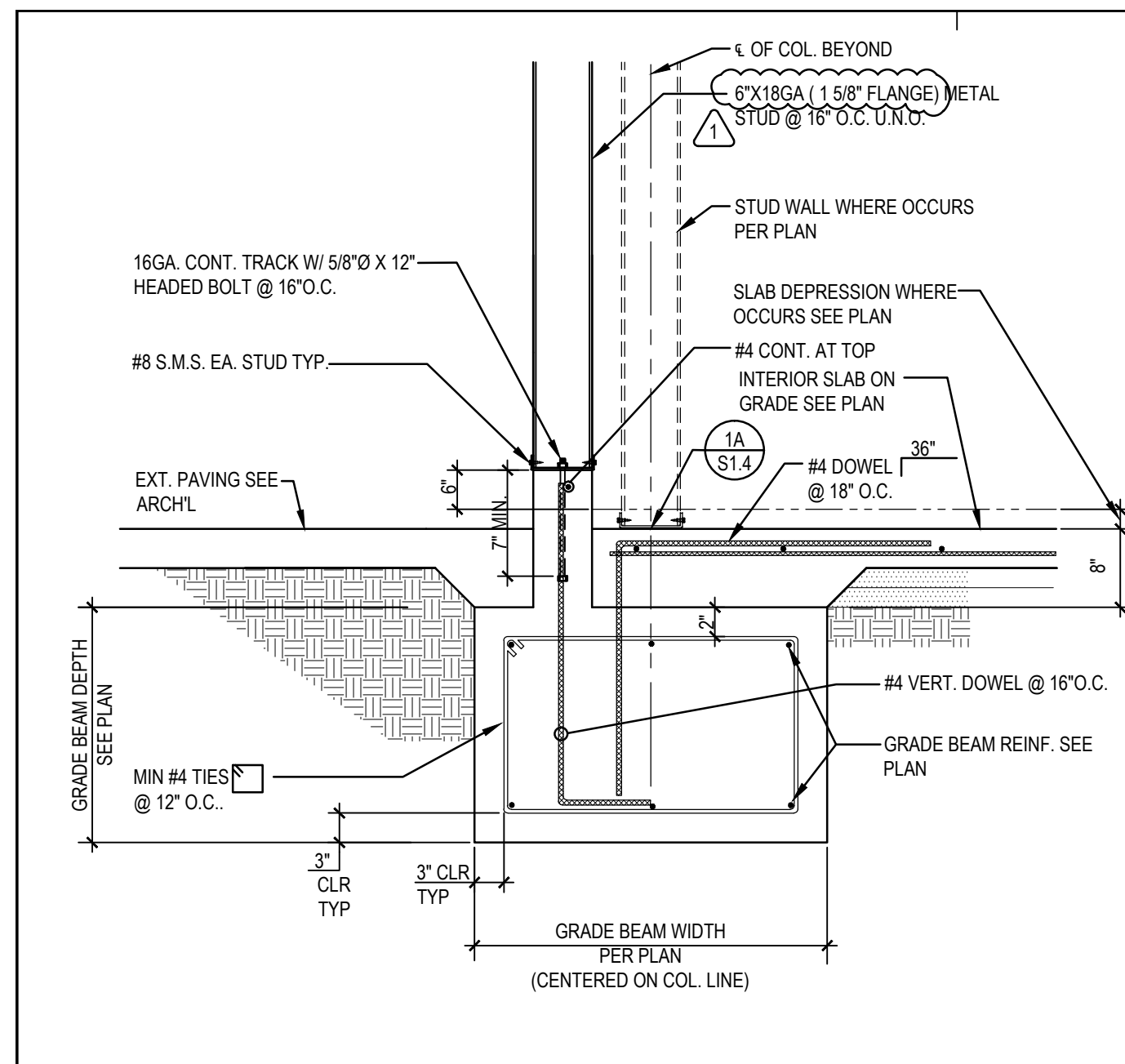


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACKCHECK	
12/12/2015	ADDENDUM 1	

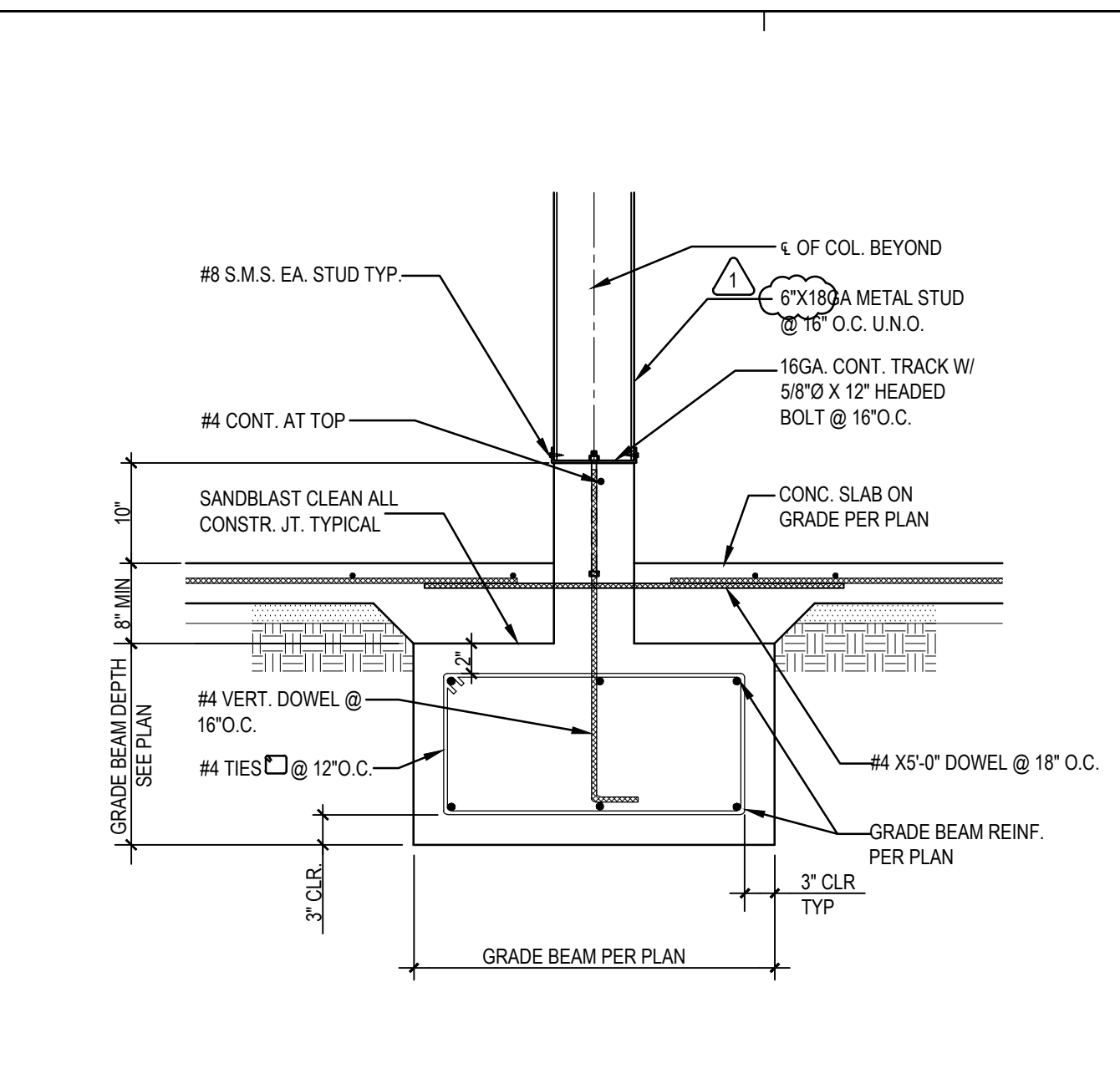
DRWN: IDK CHKD: PT
 DATE: 4/8/15 SCALE: AS NOTED
 PROJECT NUMBER: 1310700

TYPICAL DETAILS

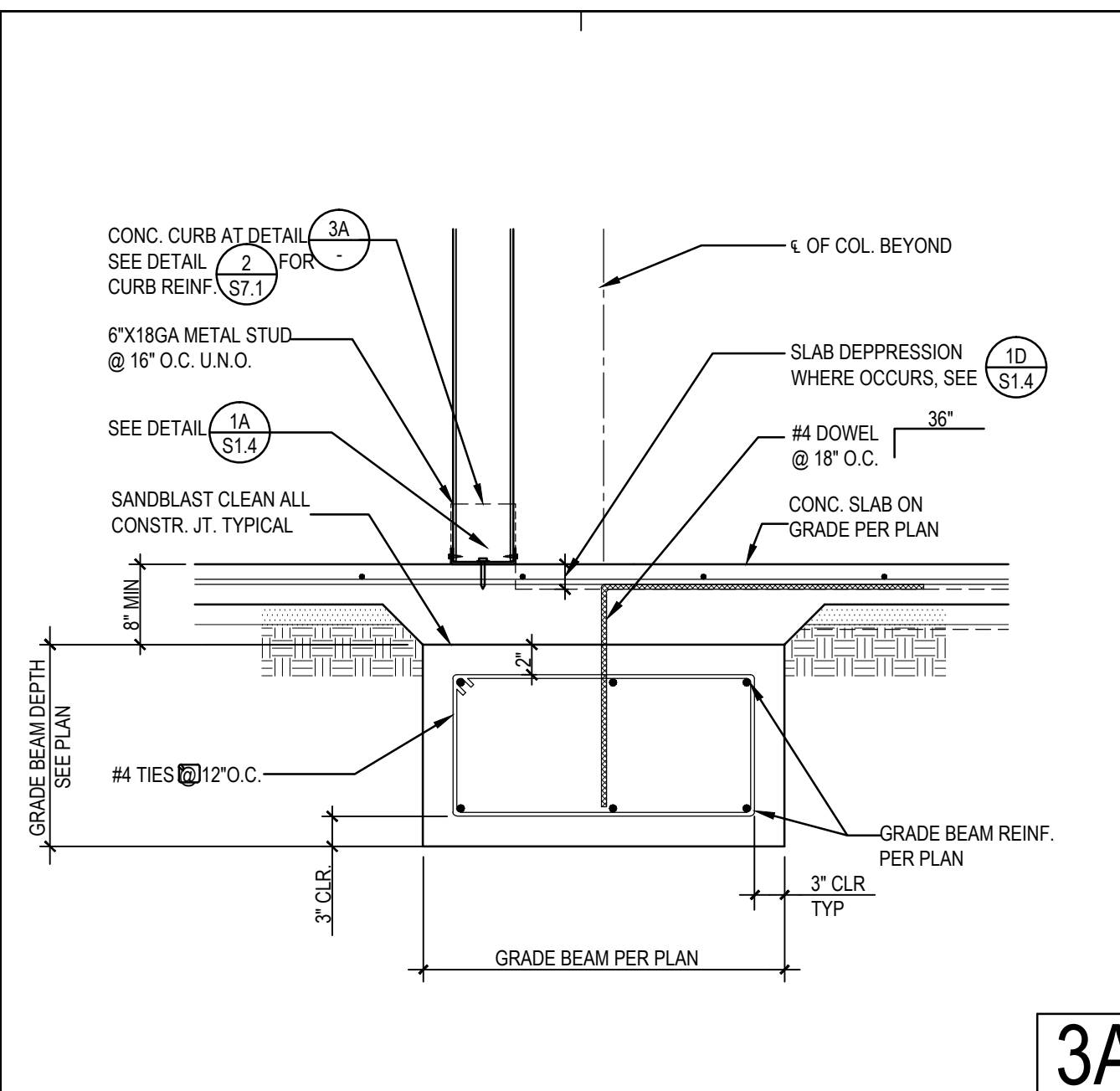
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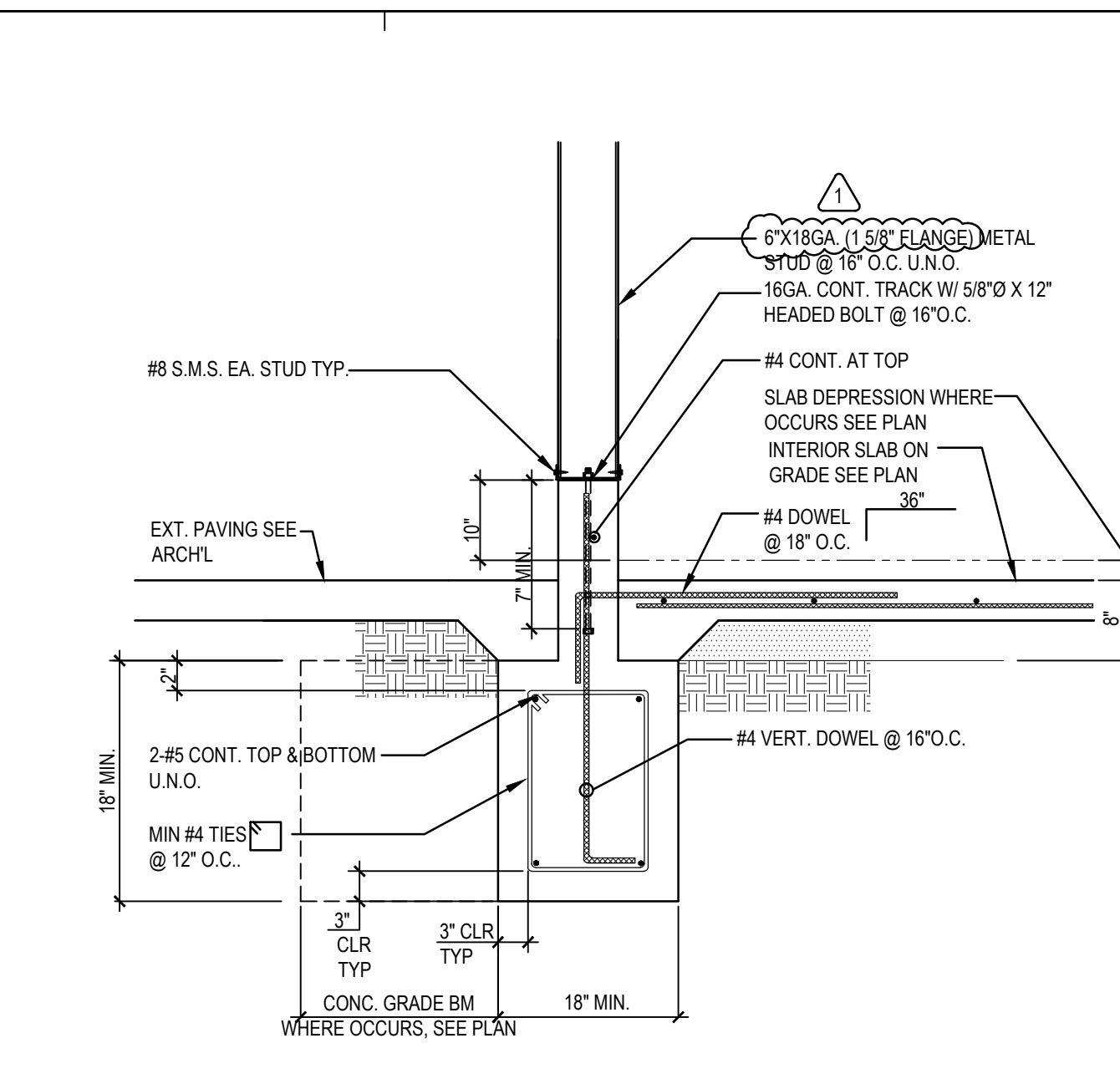
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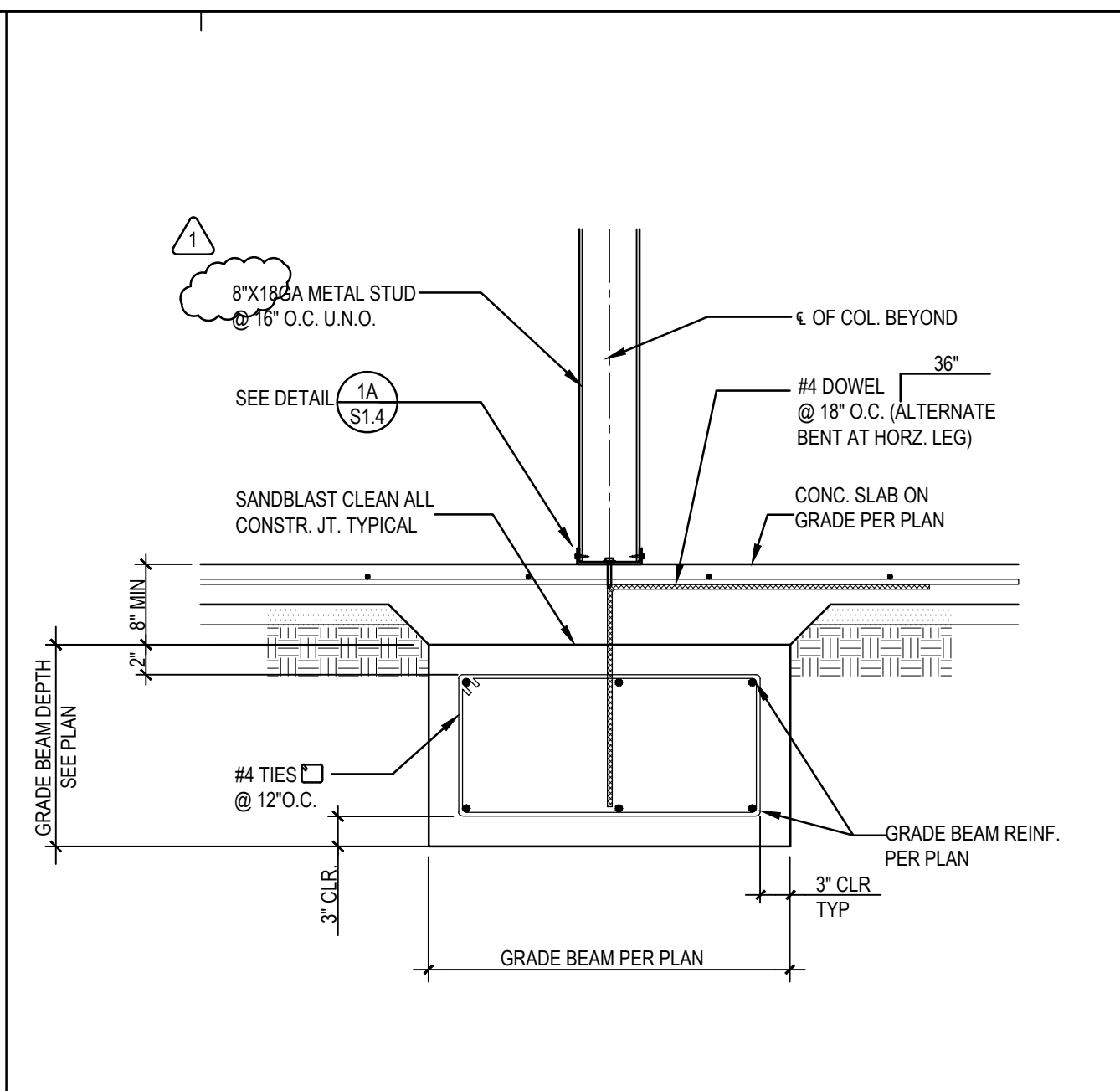
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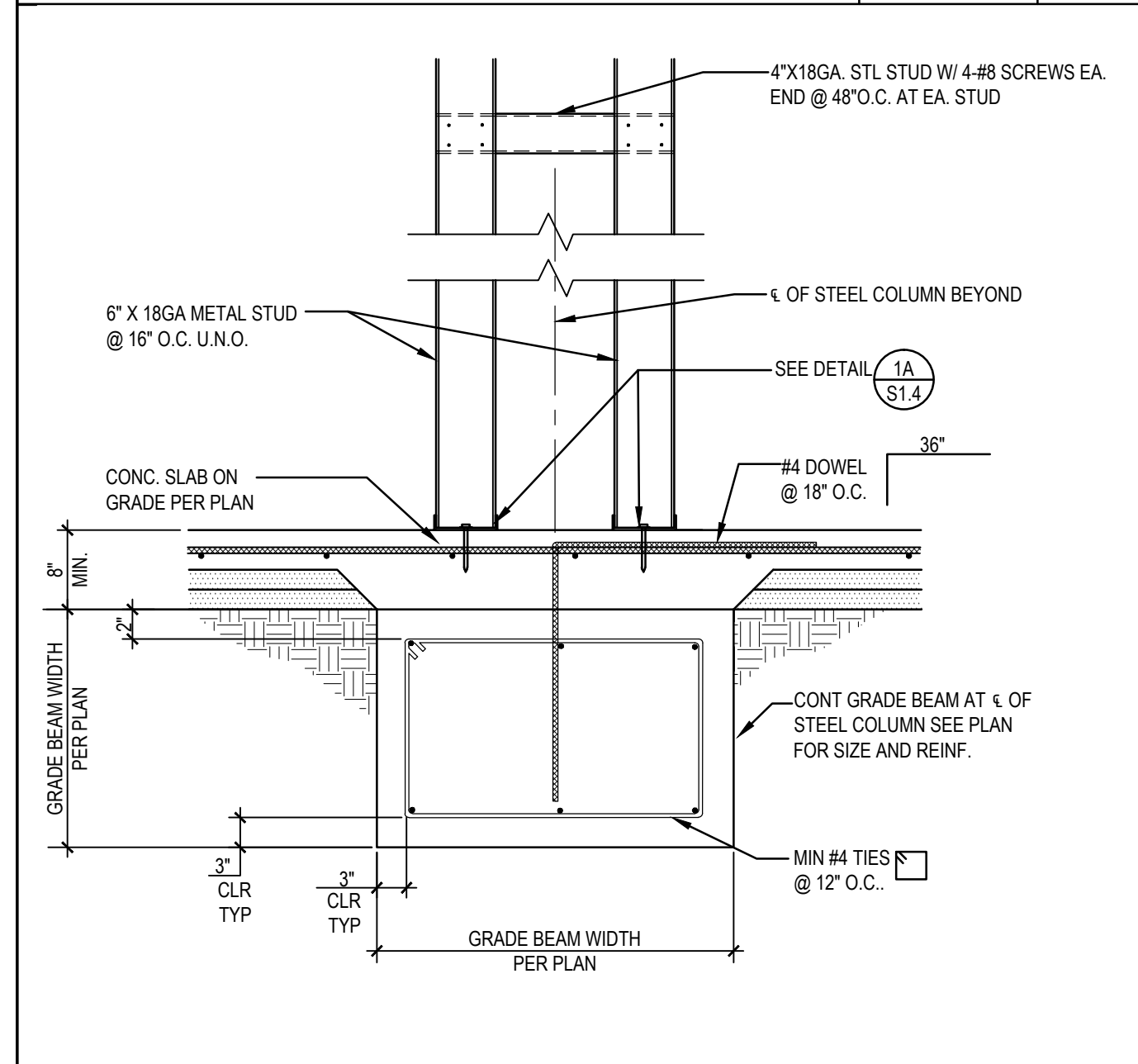
3A
3/4"=1'-0" 3



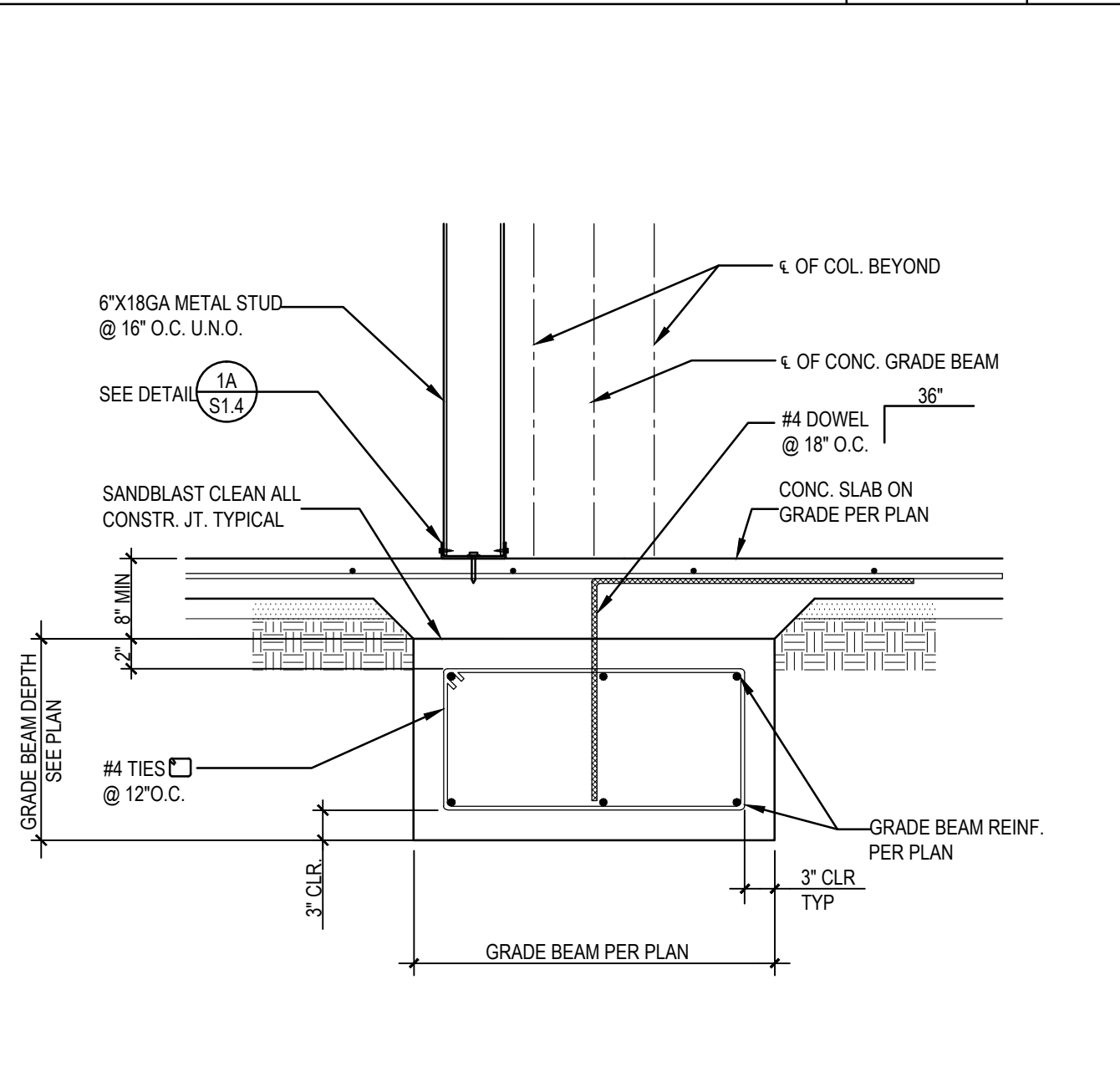
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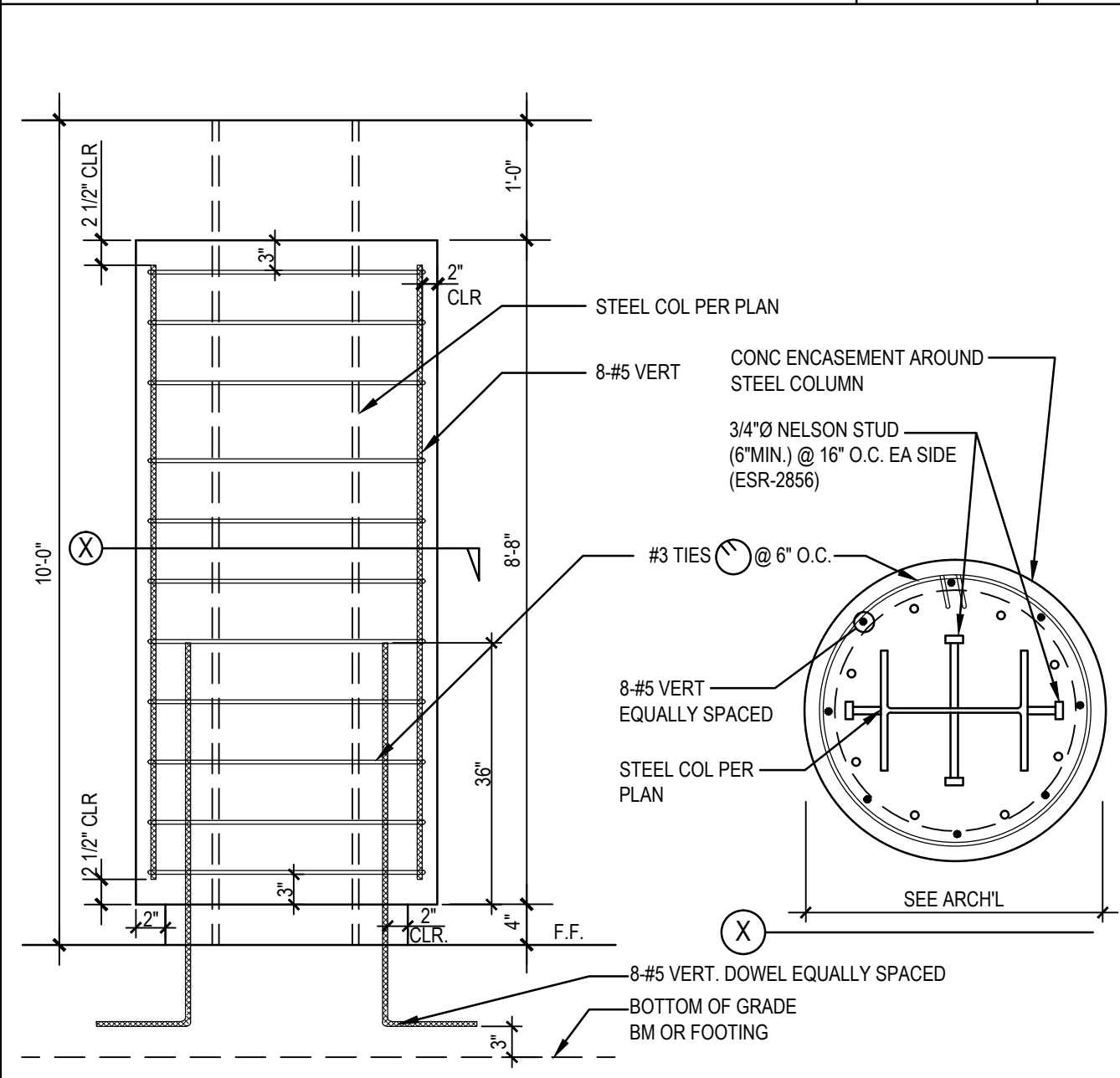
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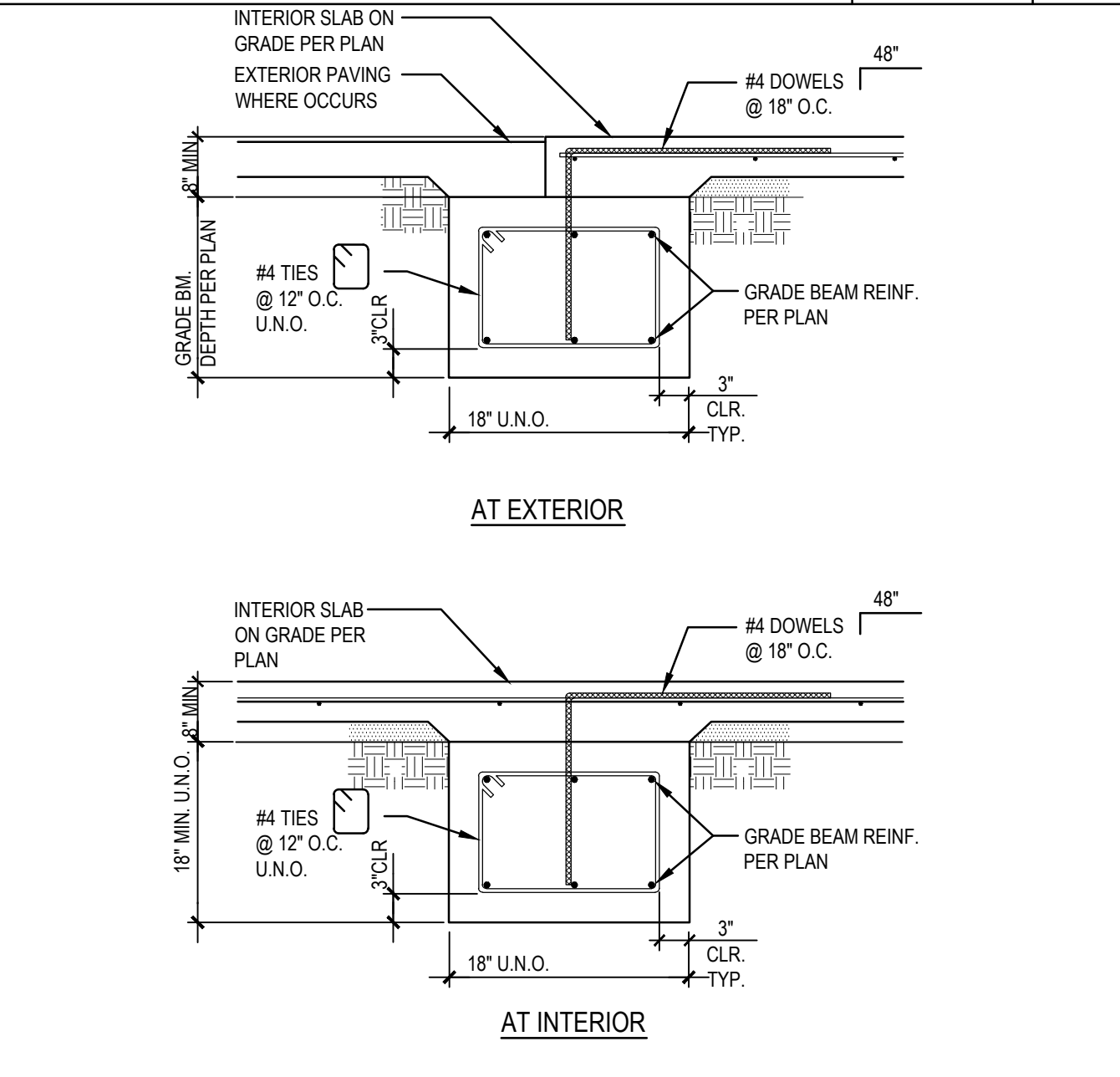
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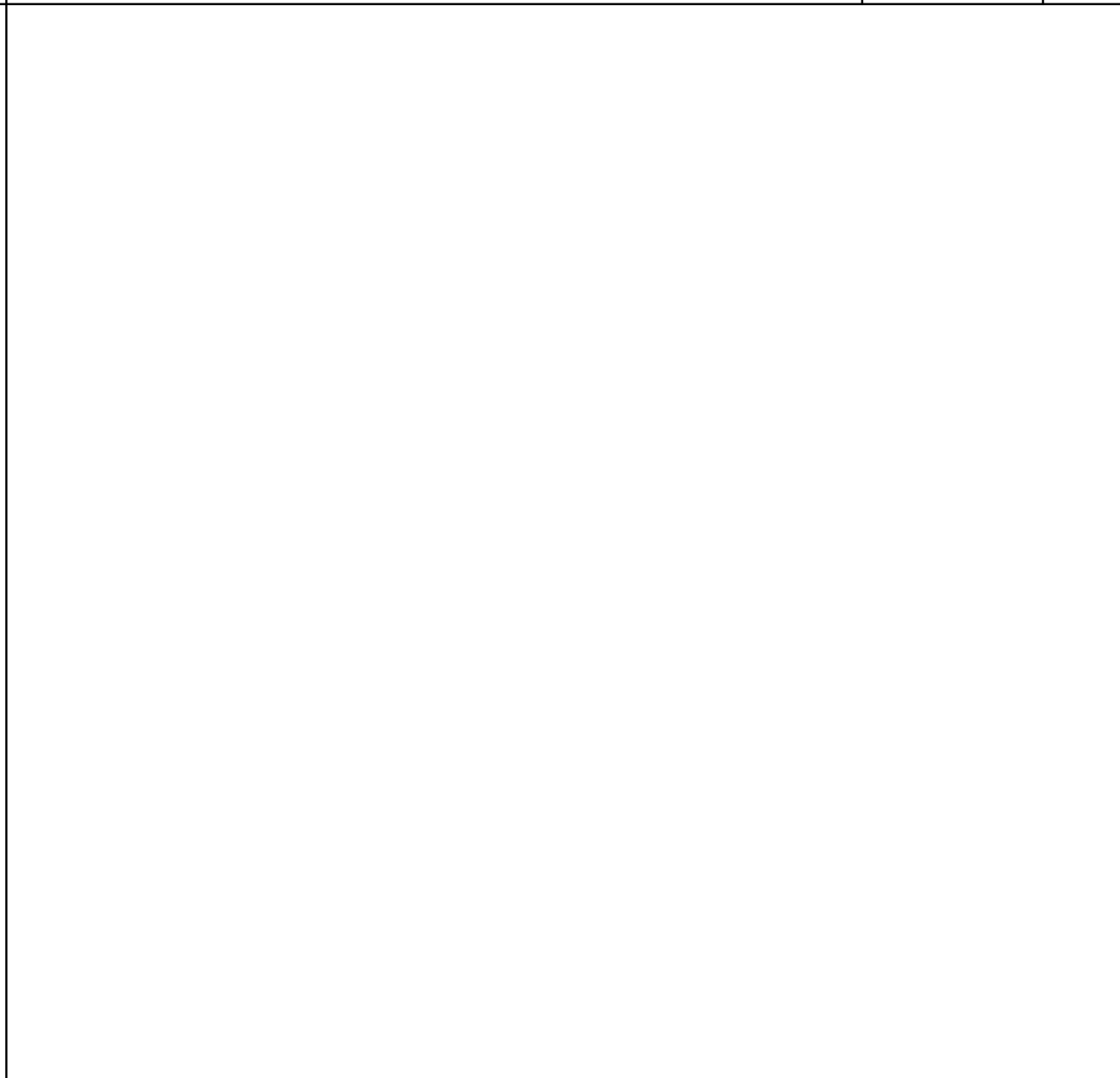
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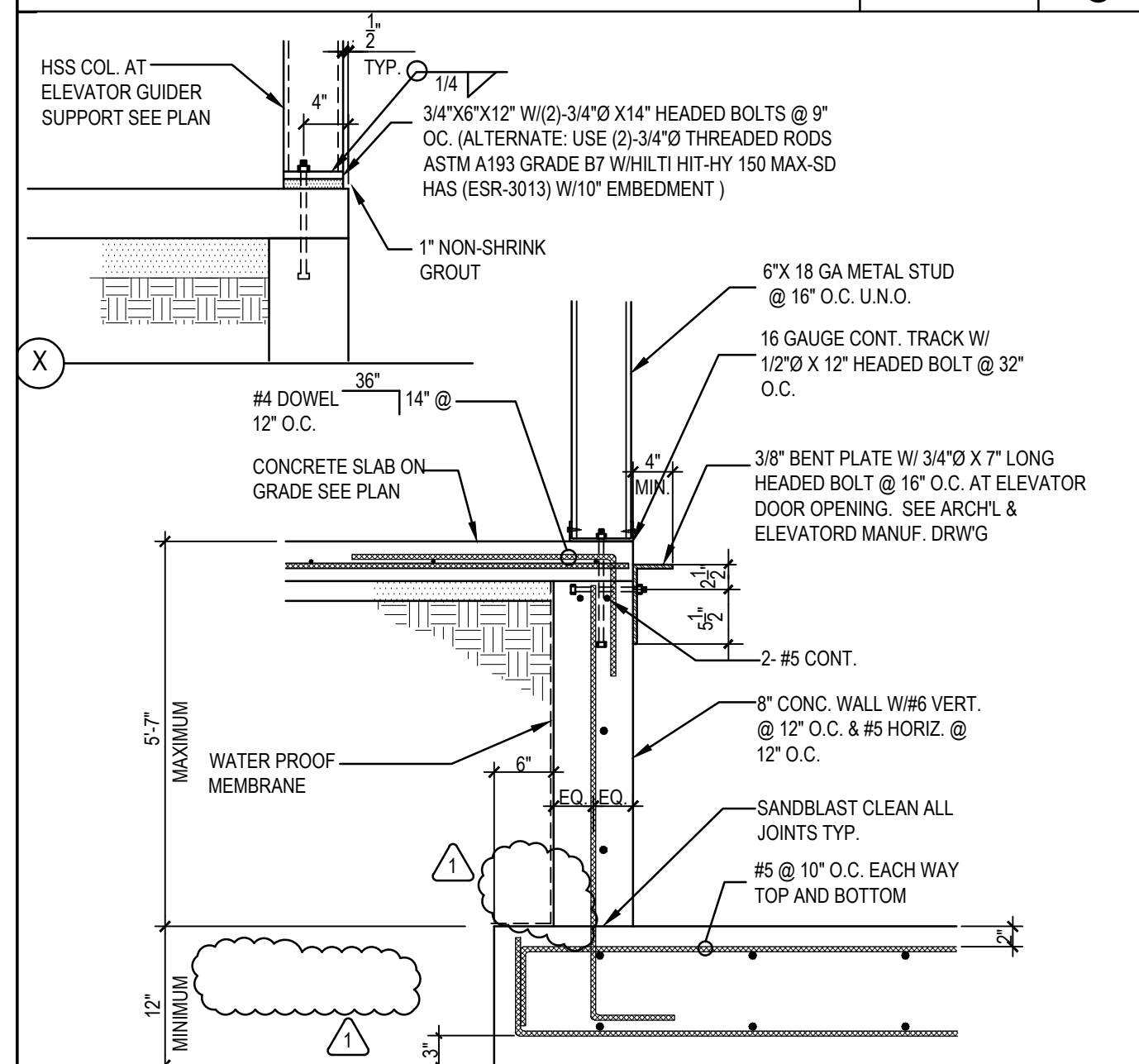
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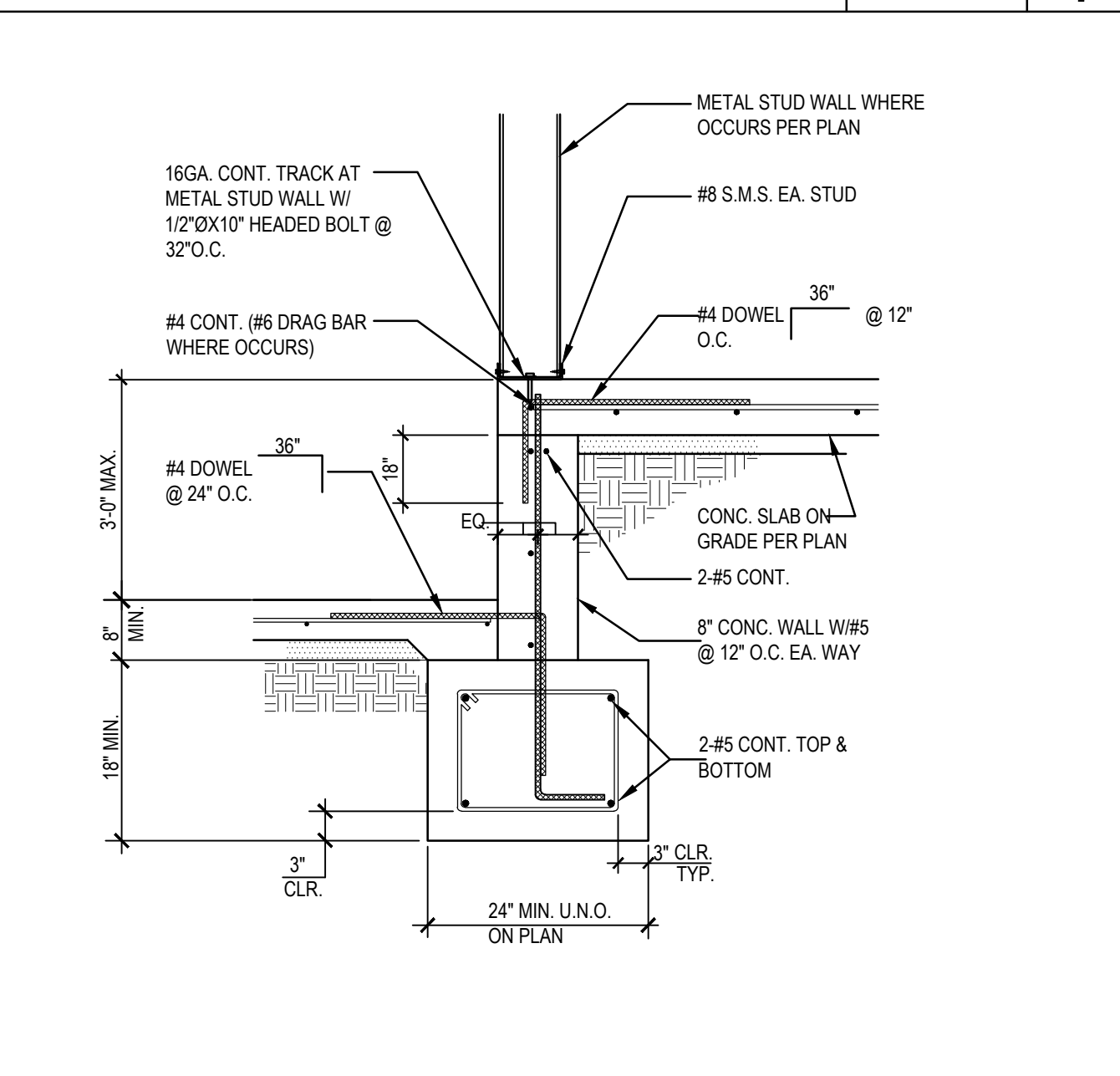
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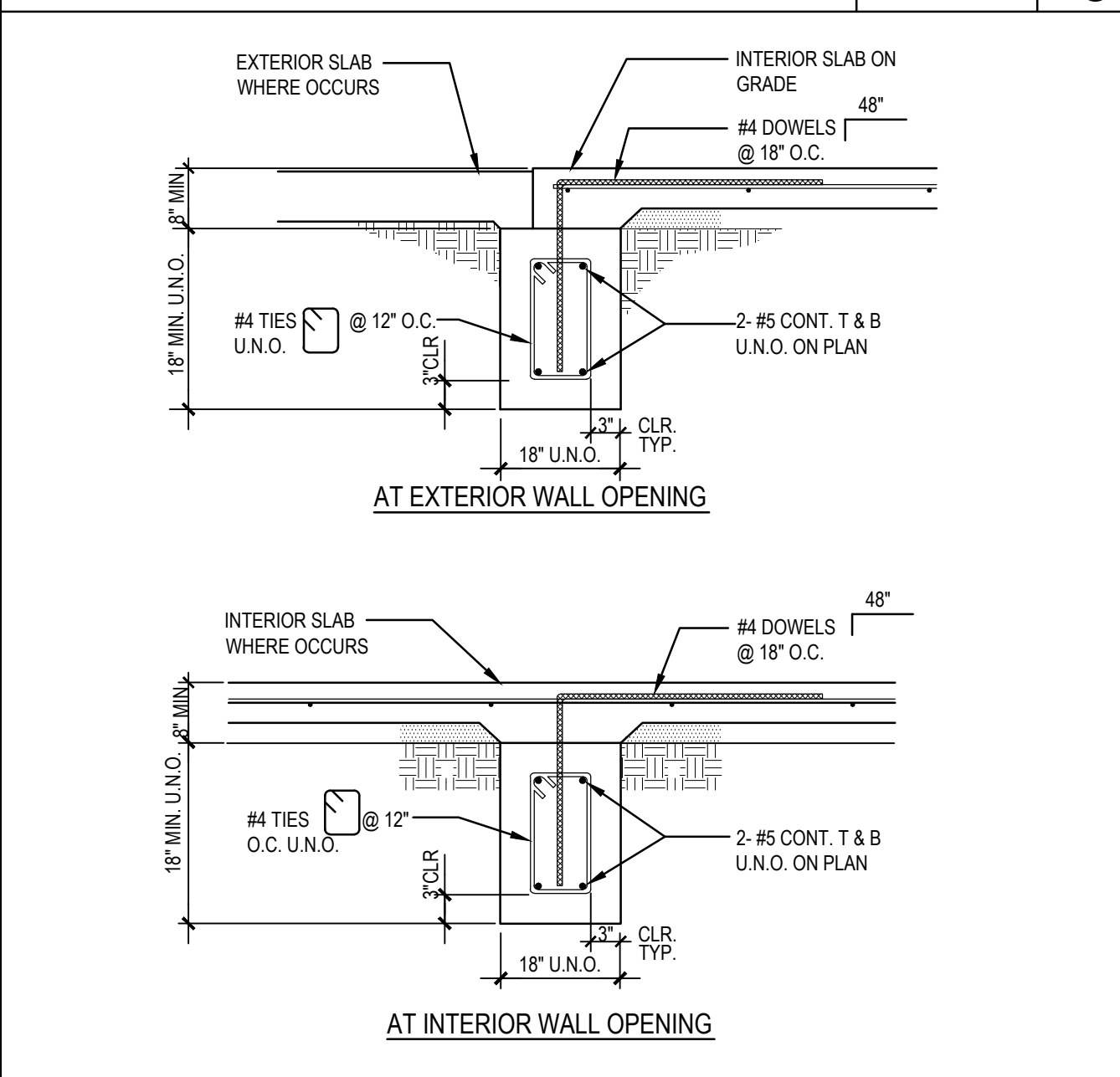
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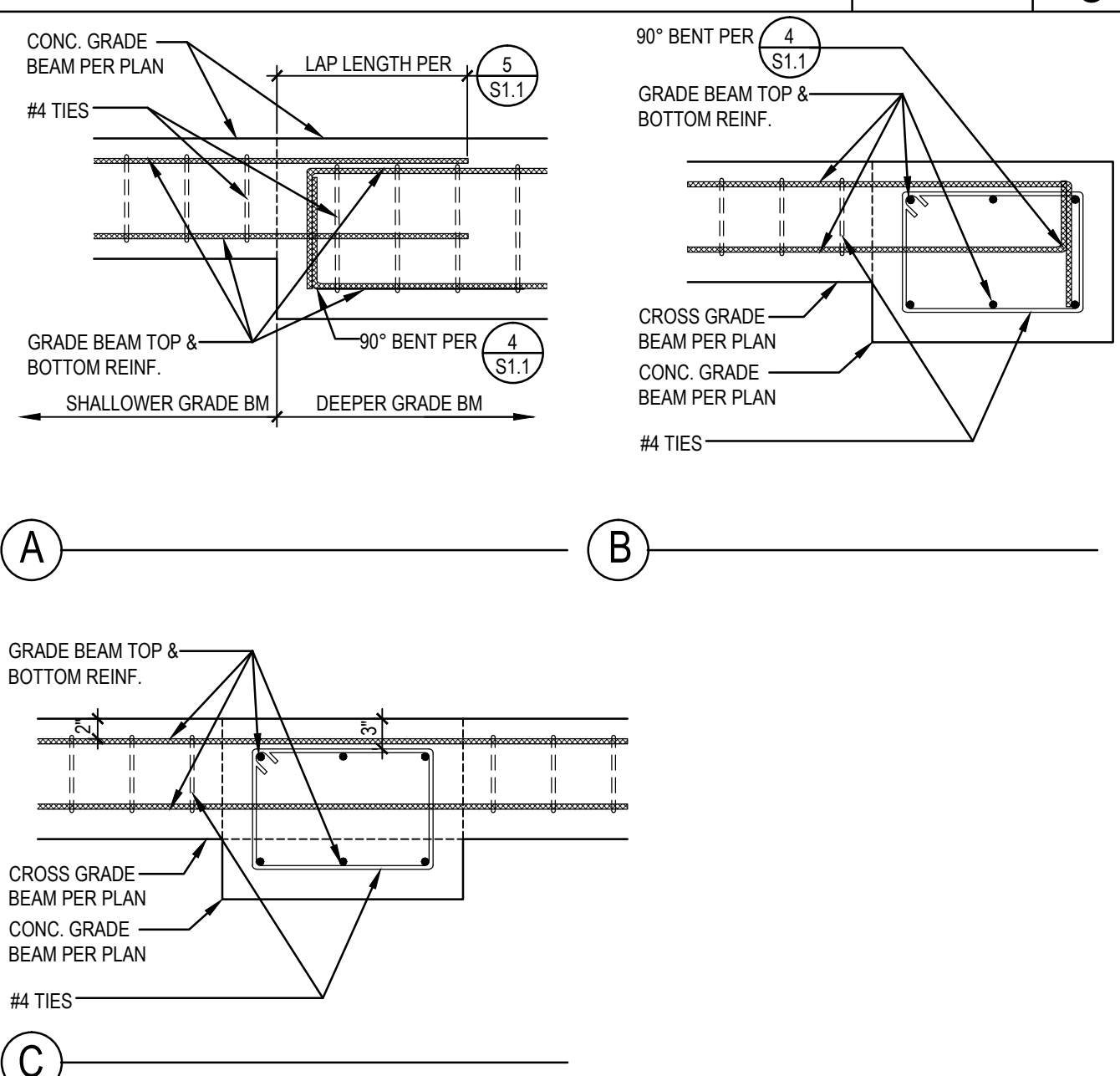
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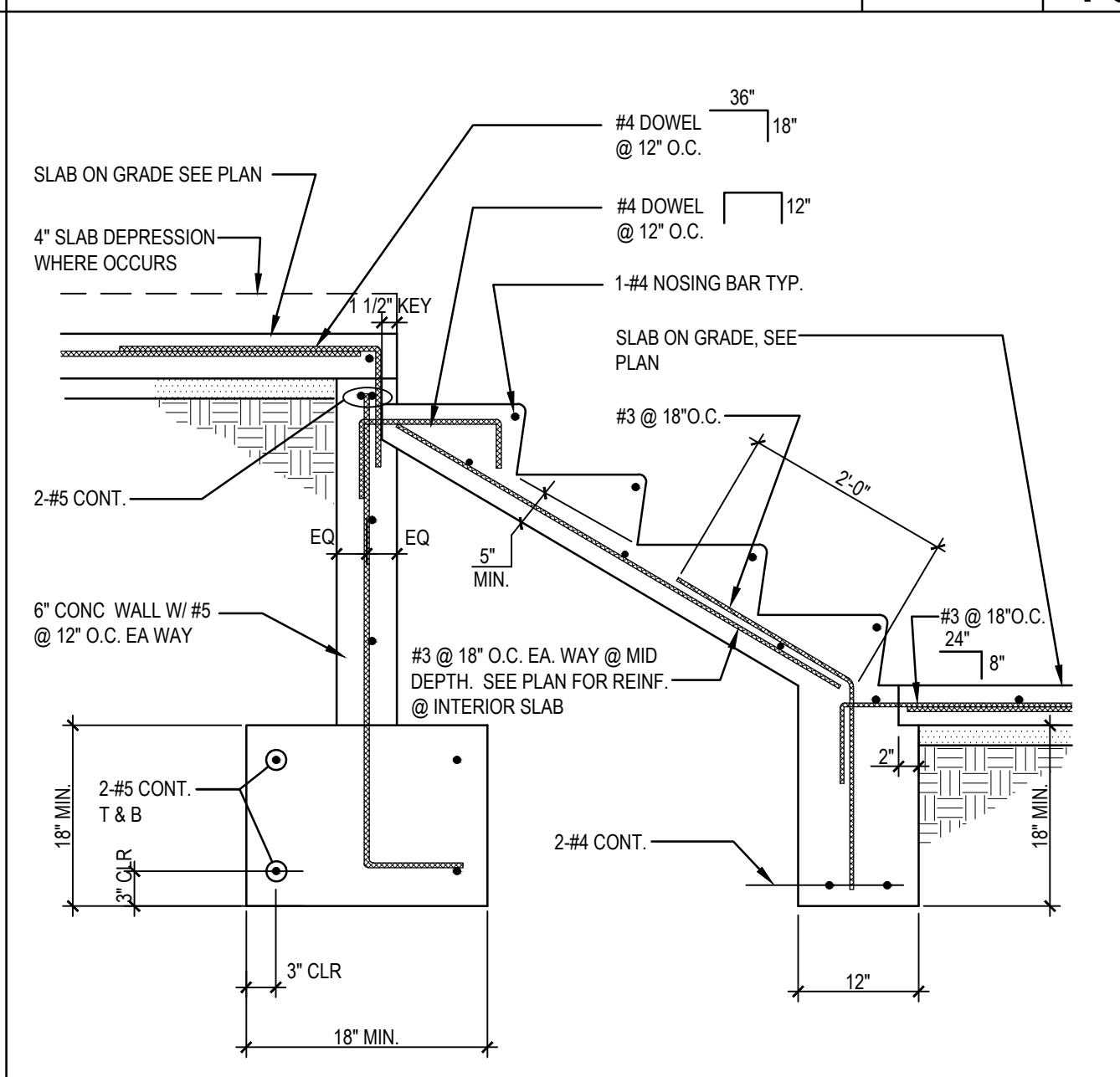
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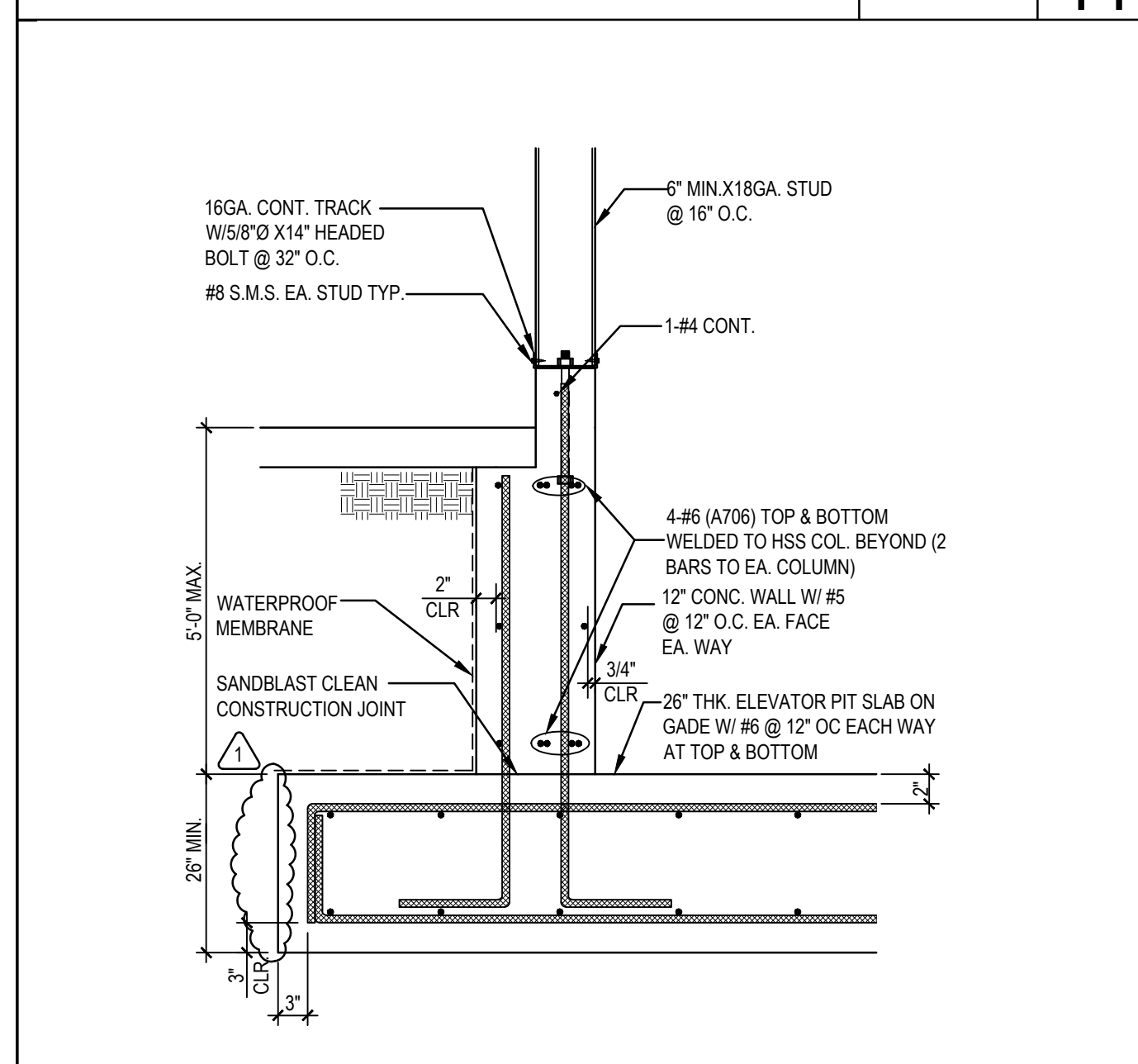
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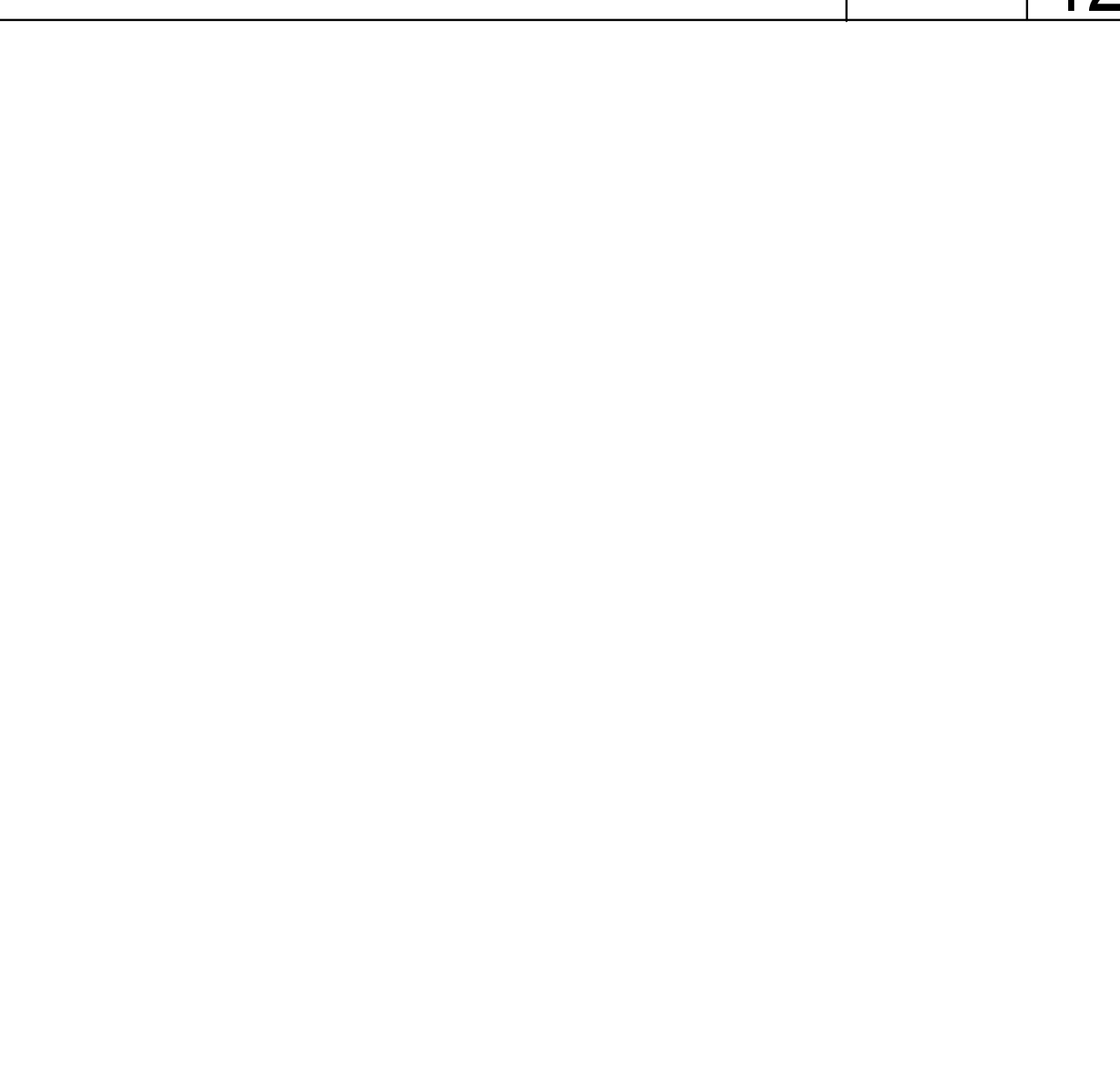
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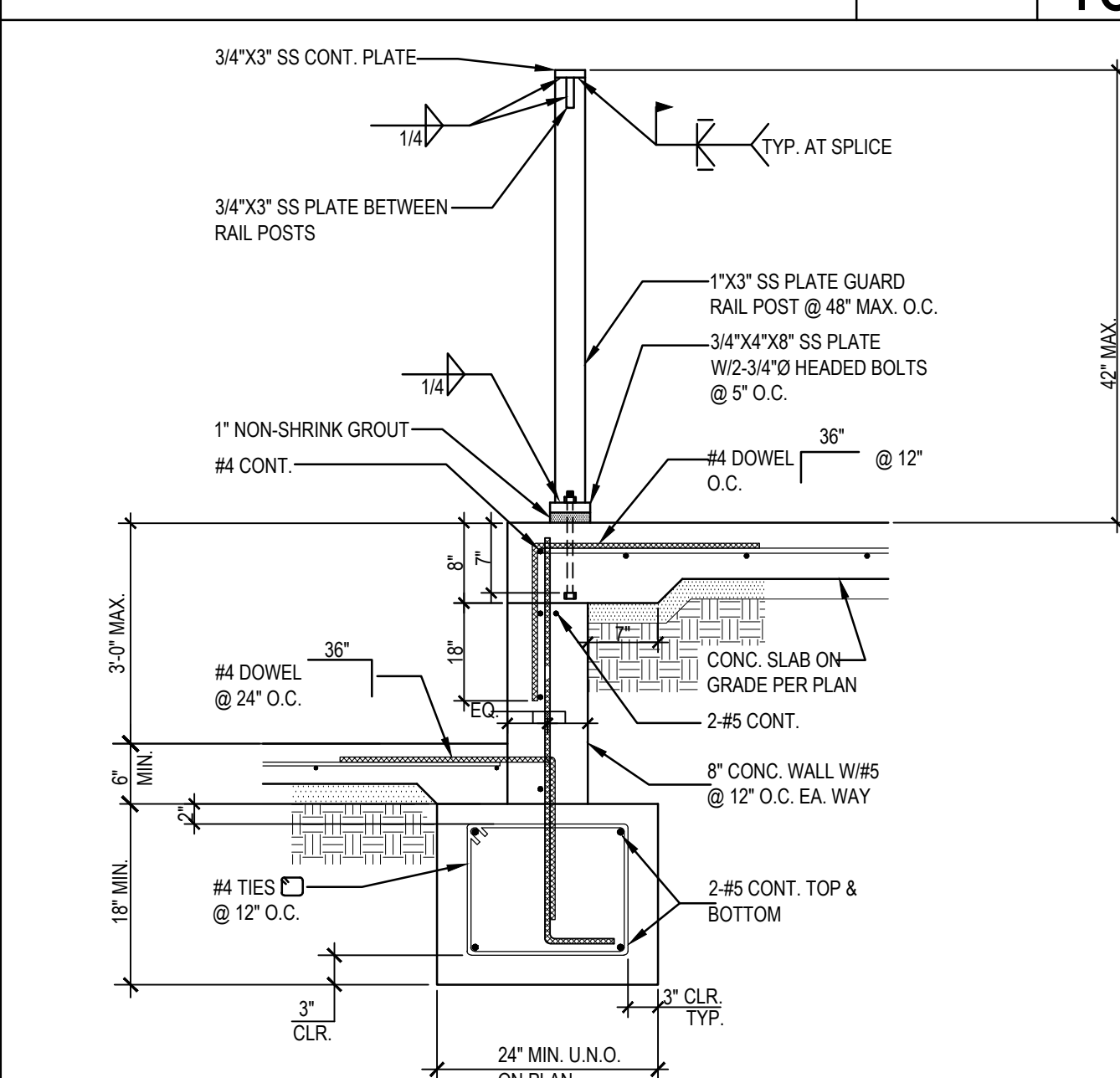
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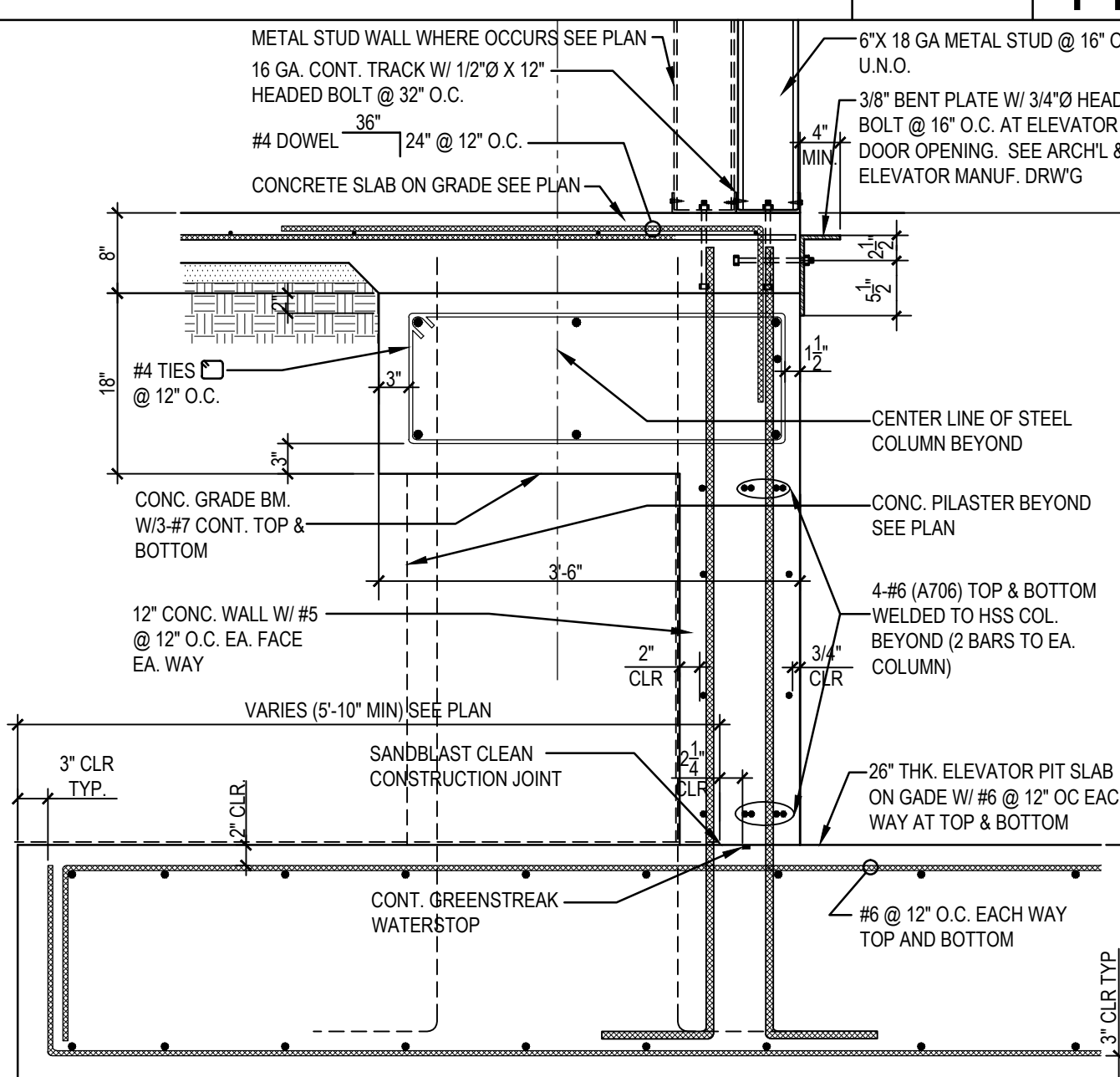
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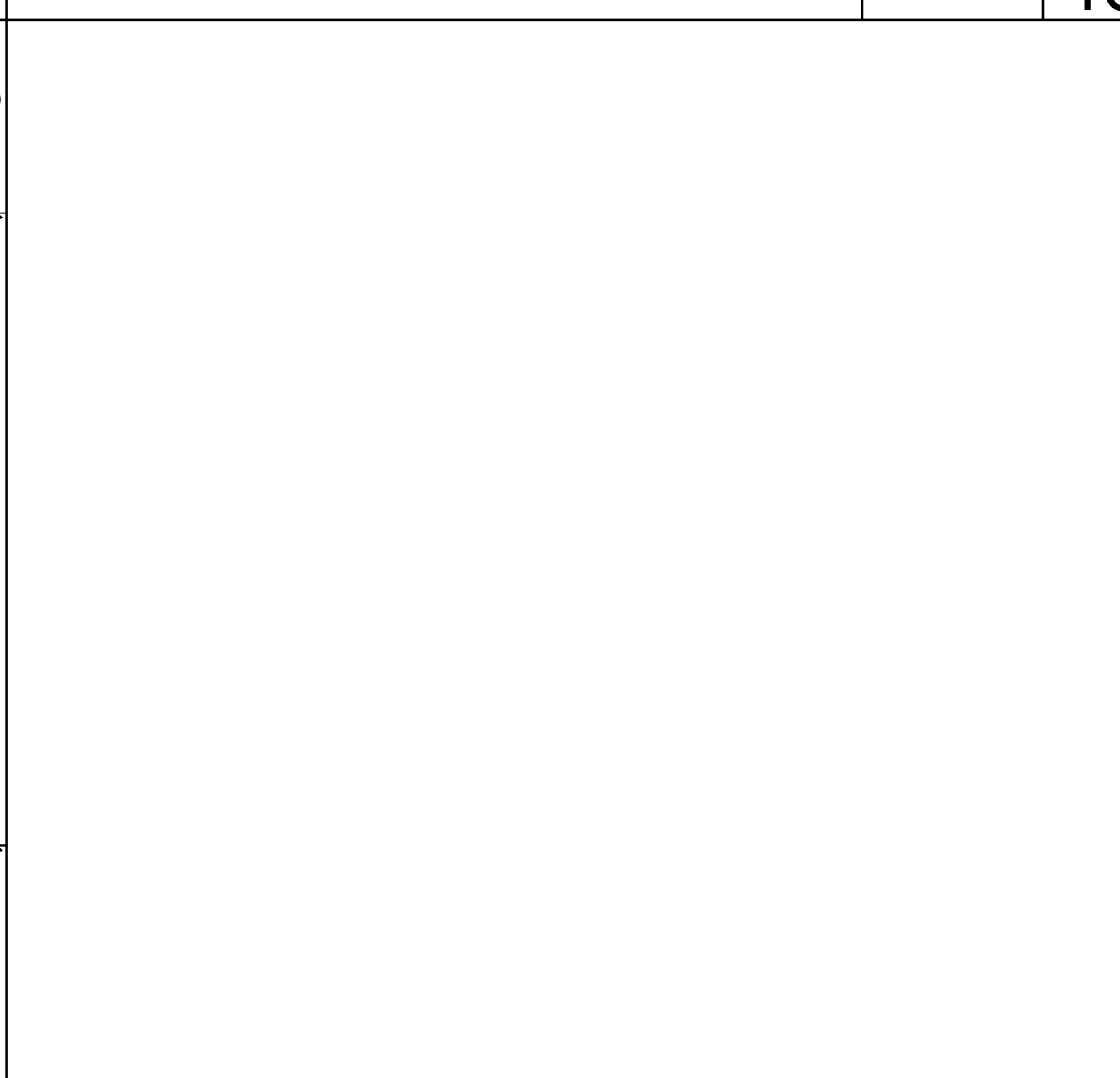
3/4"=1'-0" 17



3/4"=1'-0" 18



3/4"=1'-0" 19



3/4"=1'-0" 20

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2/21/2014	100% DESIGN DEVELOPMENT	
3/5/2014	90% CD PROGRESS	
3/5/2014	DSA SUBMITTAL	
3/4/2015	DSA BACKCHECK	
12/12/2015	ADDENDUM 1	

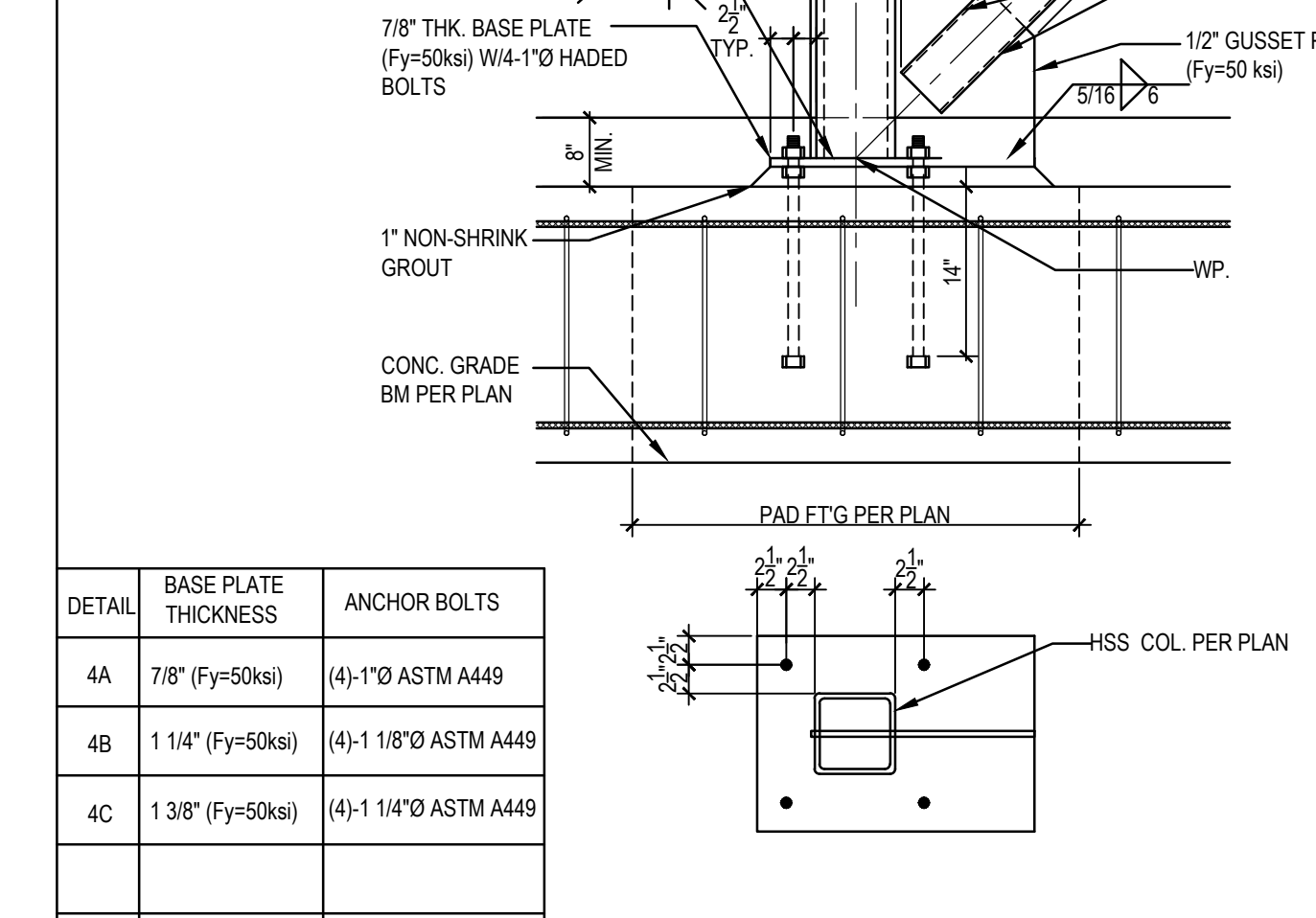
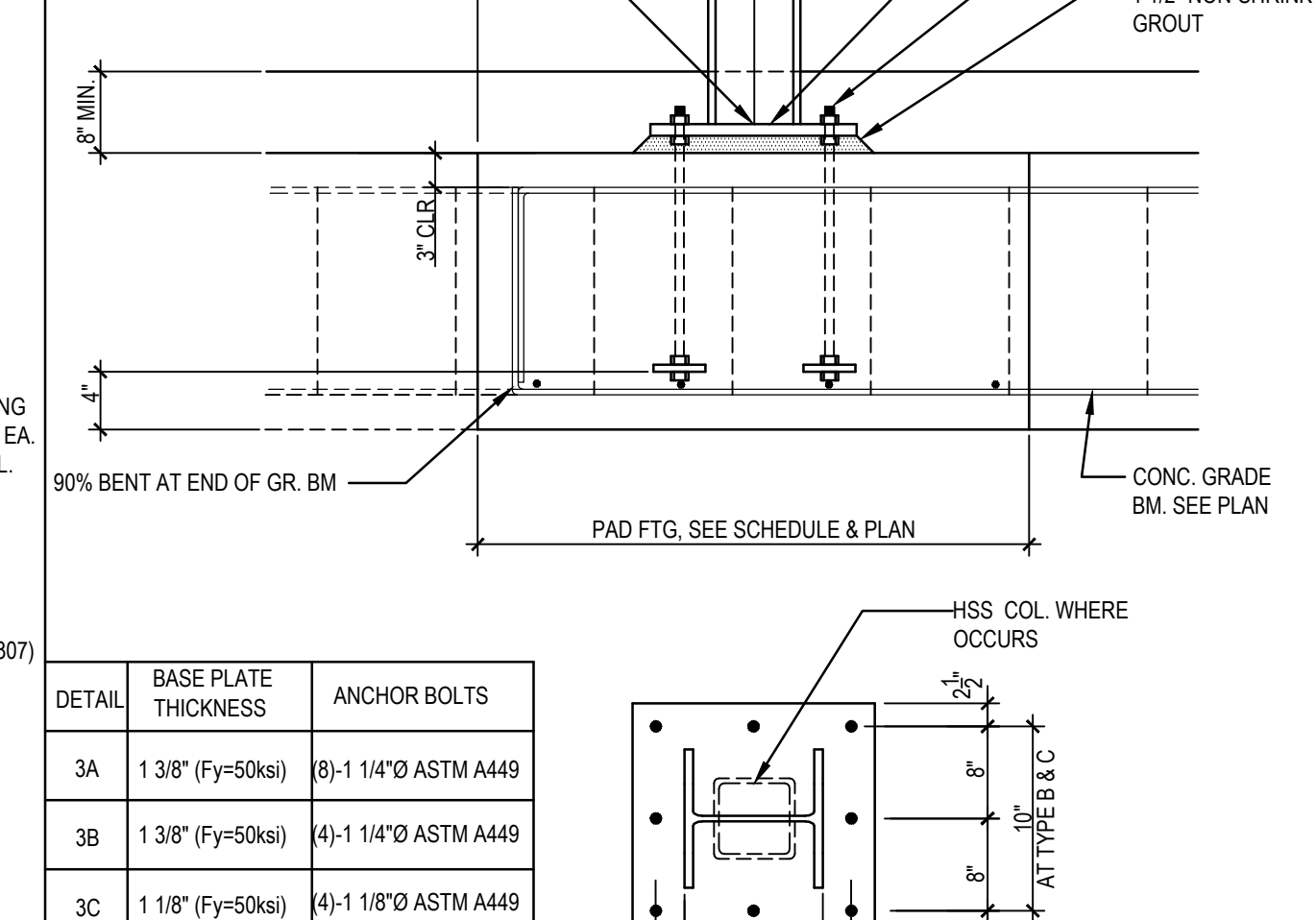
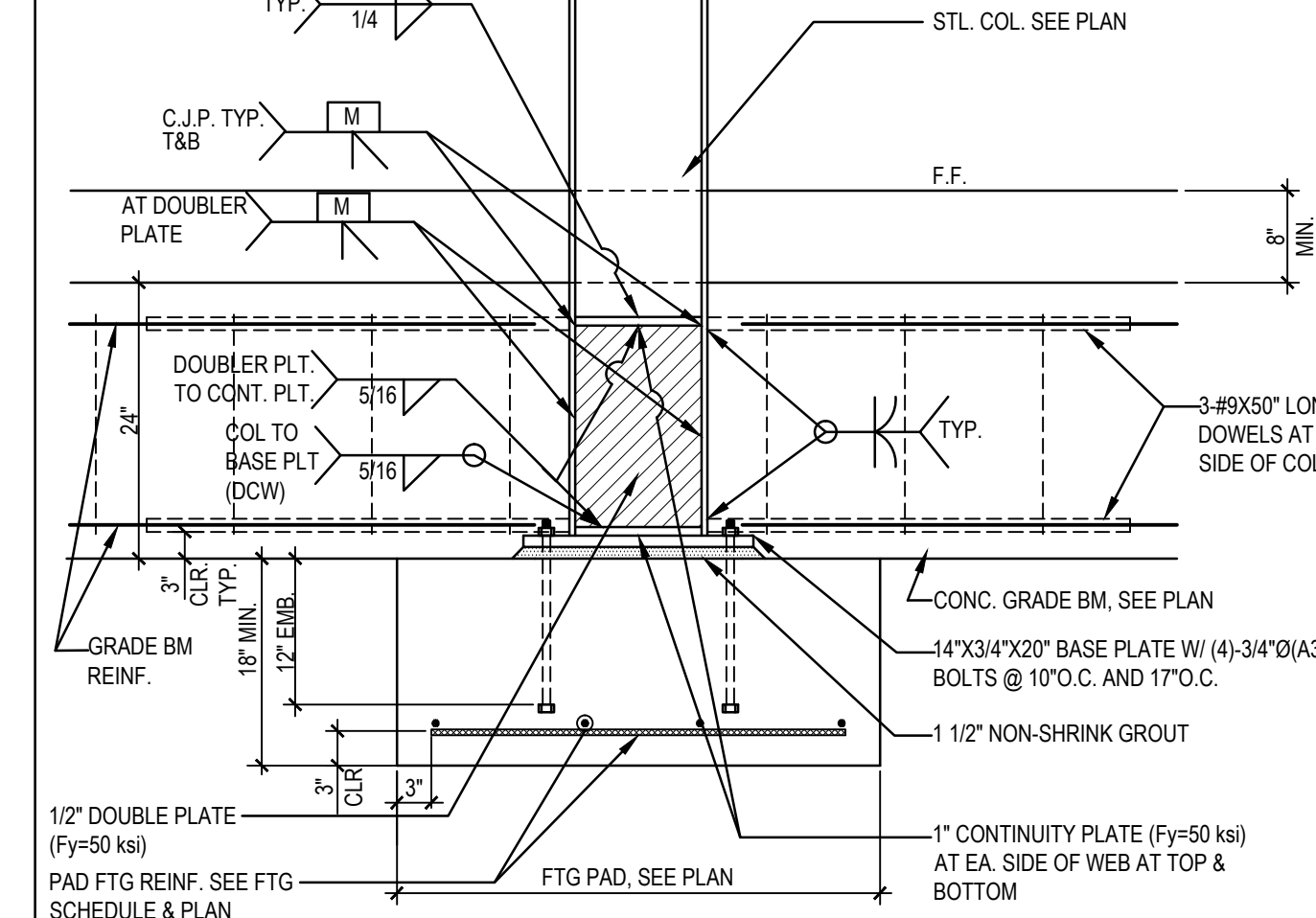
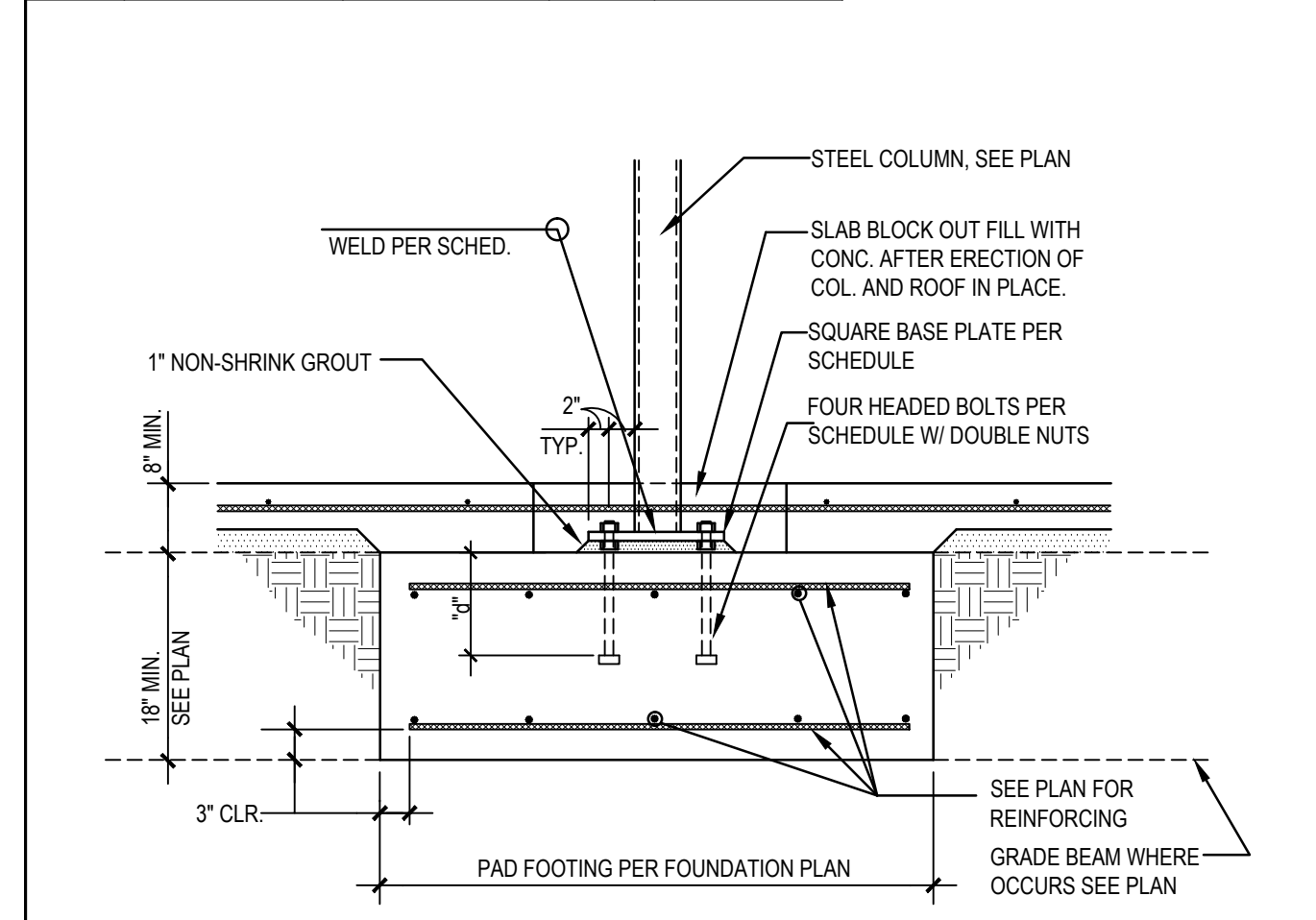
DRWN: IDK
DATE: 4/8/15
PROJECT NUMBER: 1310700

CHKD: PT
SCALE: AS NOTED

DETAILS

DRAWING NUMBER: **S7.1**

DETAIL	PLATE THICKNESS	HEADED BOLT SIZE	" σ "	WELD TYPE
1A	3/4" (A36)	(4)-3/4" A307	12"	
1B	7/8" (A36)	(4)-3/4" A307	12"	
1C	1" (A36)	(4)-3/4" A307	12"	



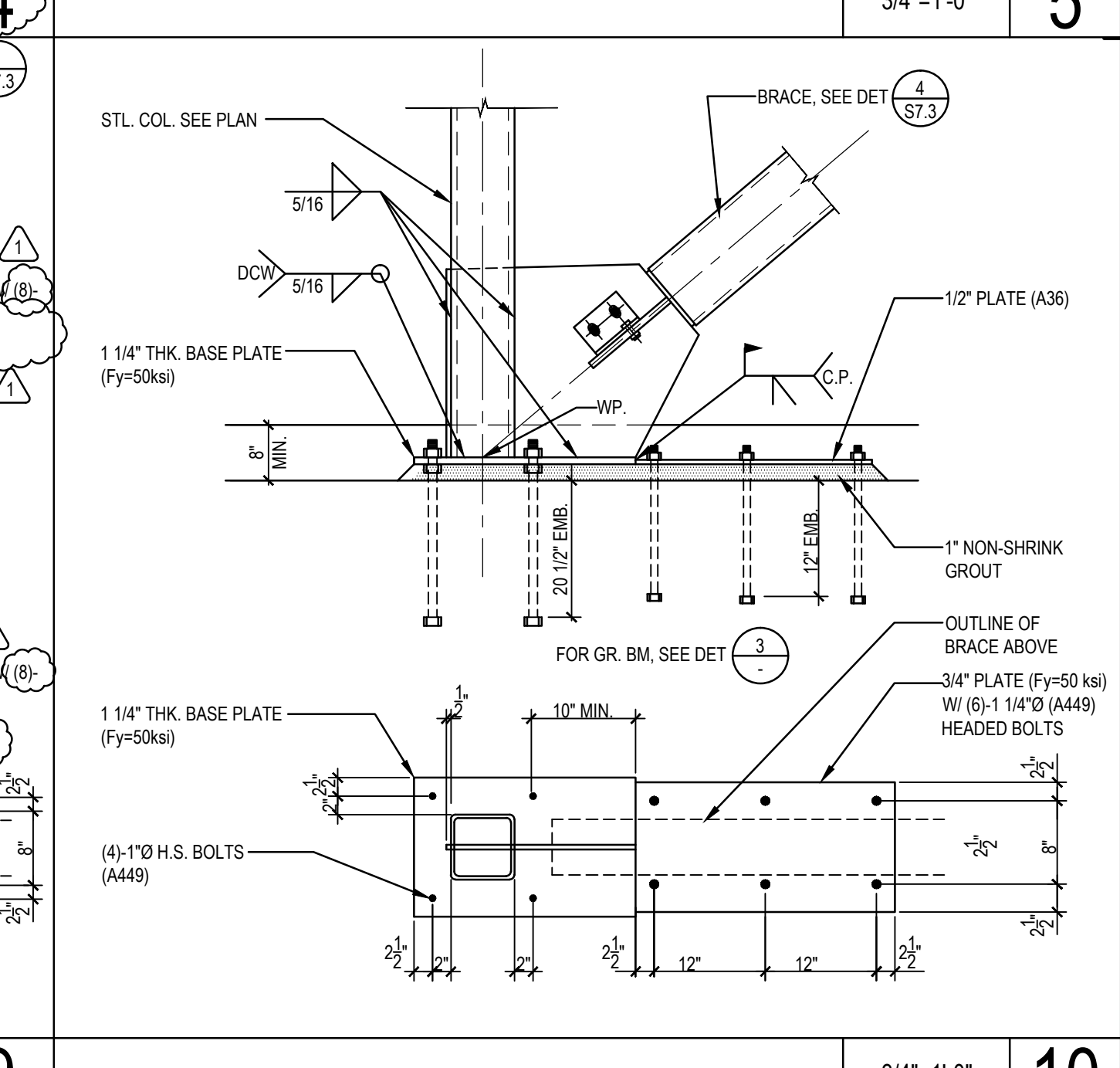
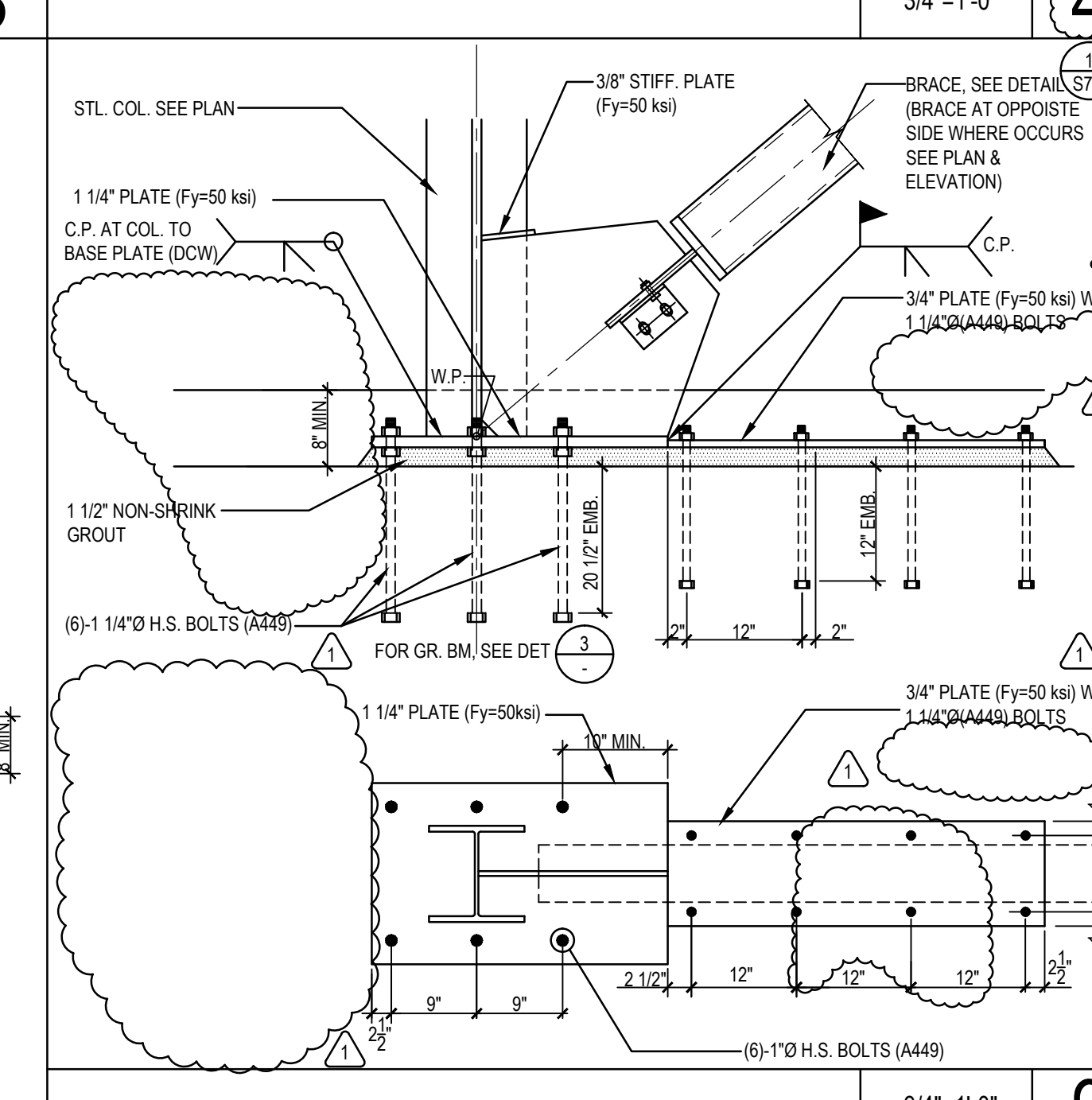
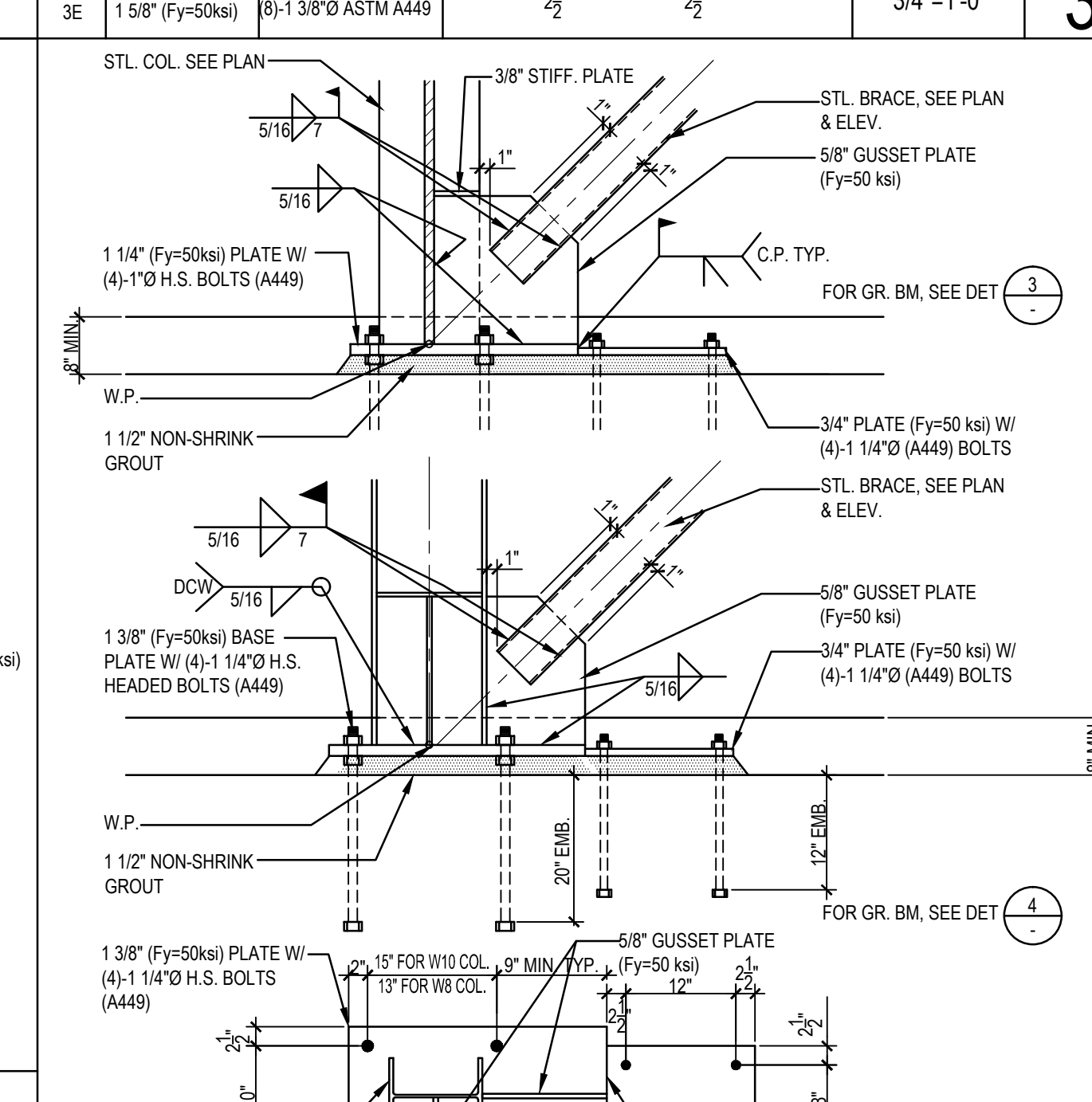
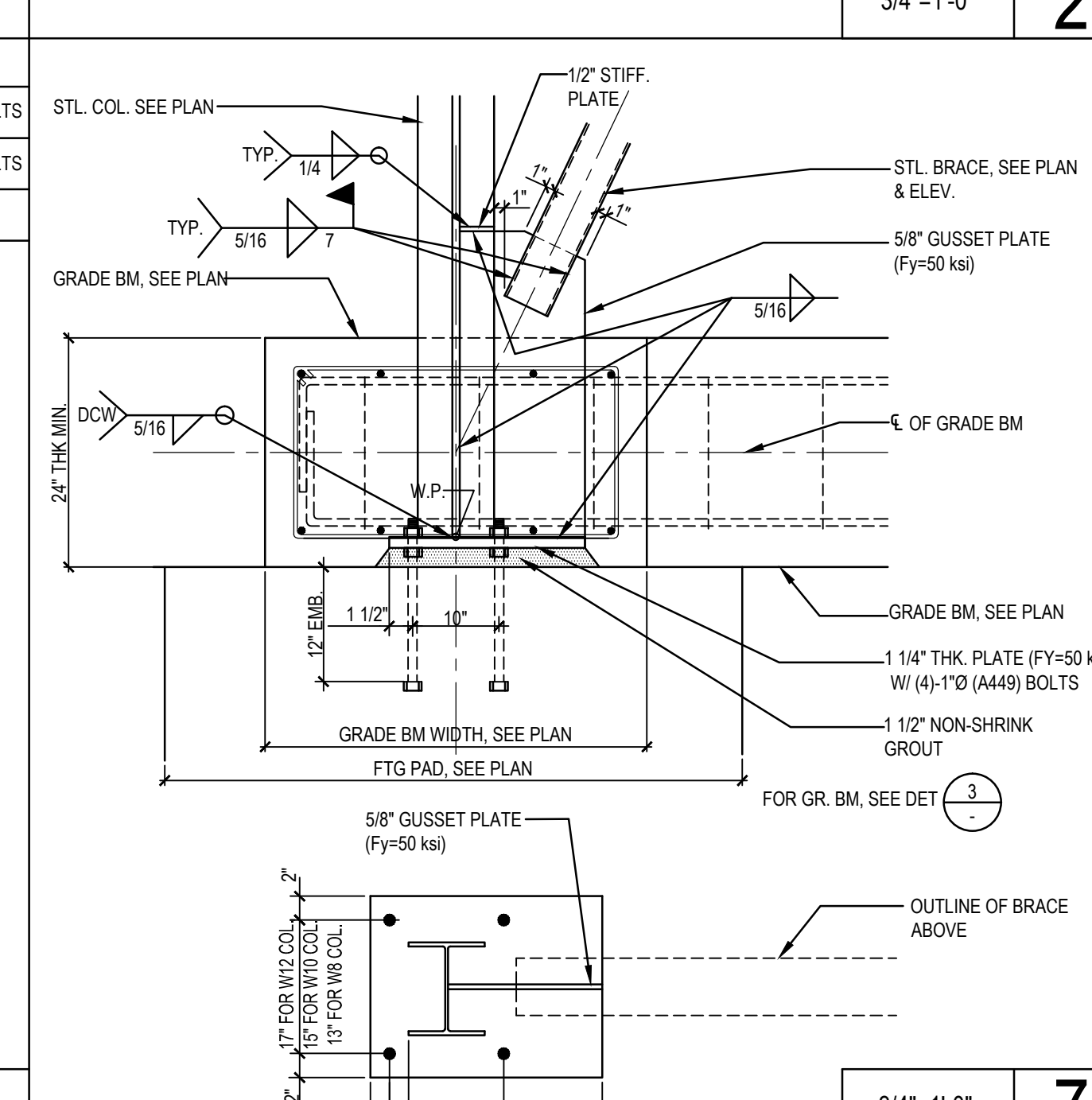
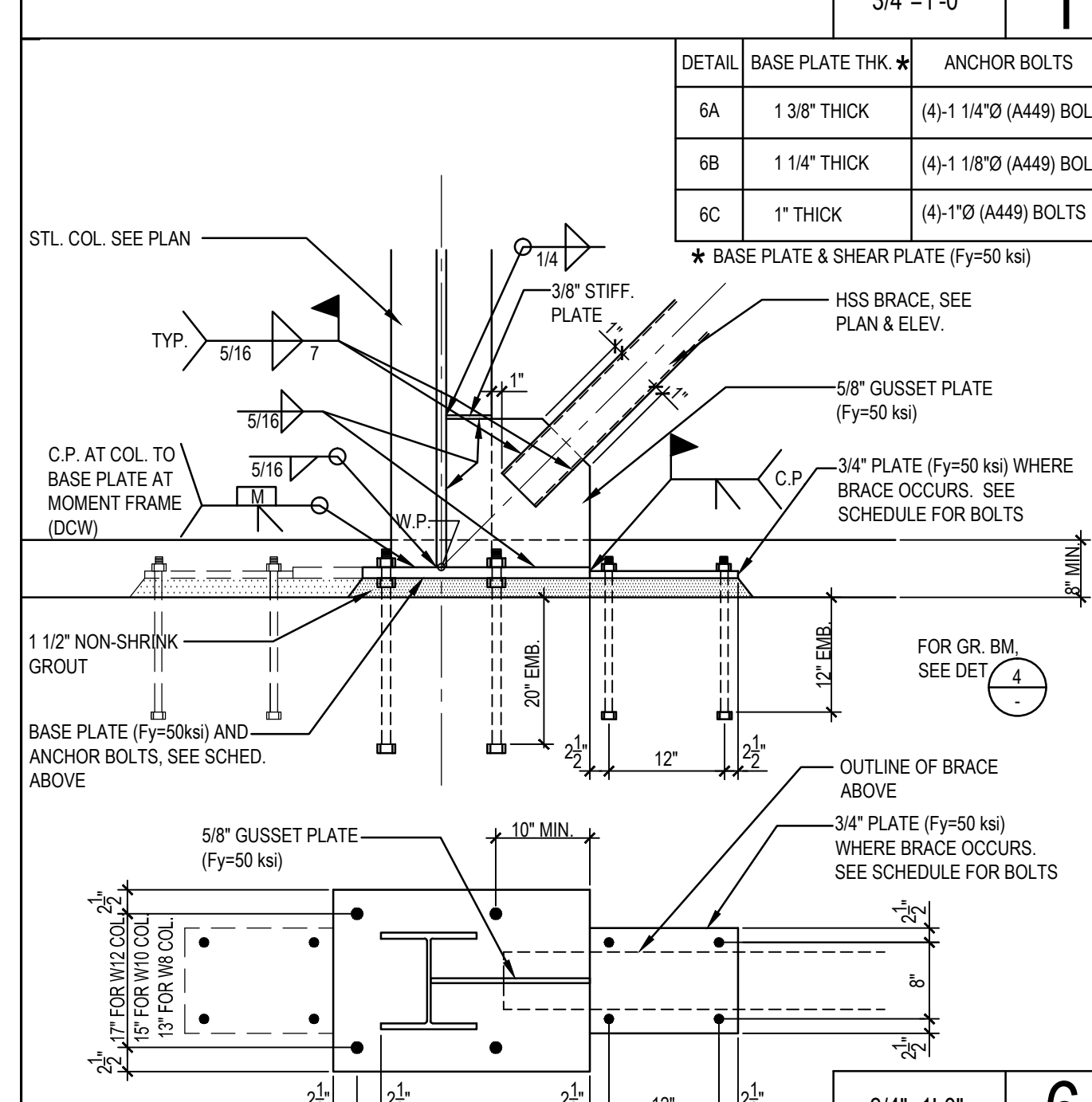
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3/4"=1'-0" 2

3/4"=1'-0" 3

3/4"=1'-0" 4

3/4"=1'-0" 5



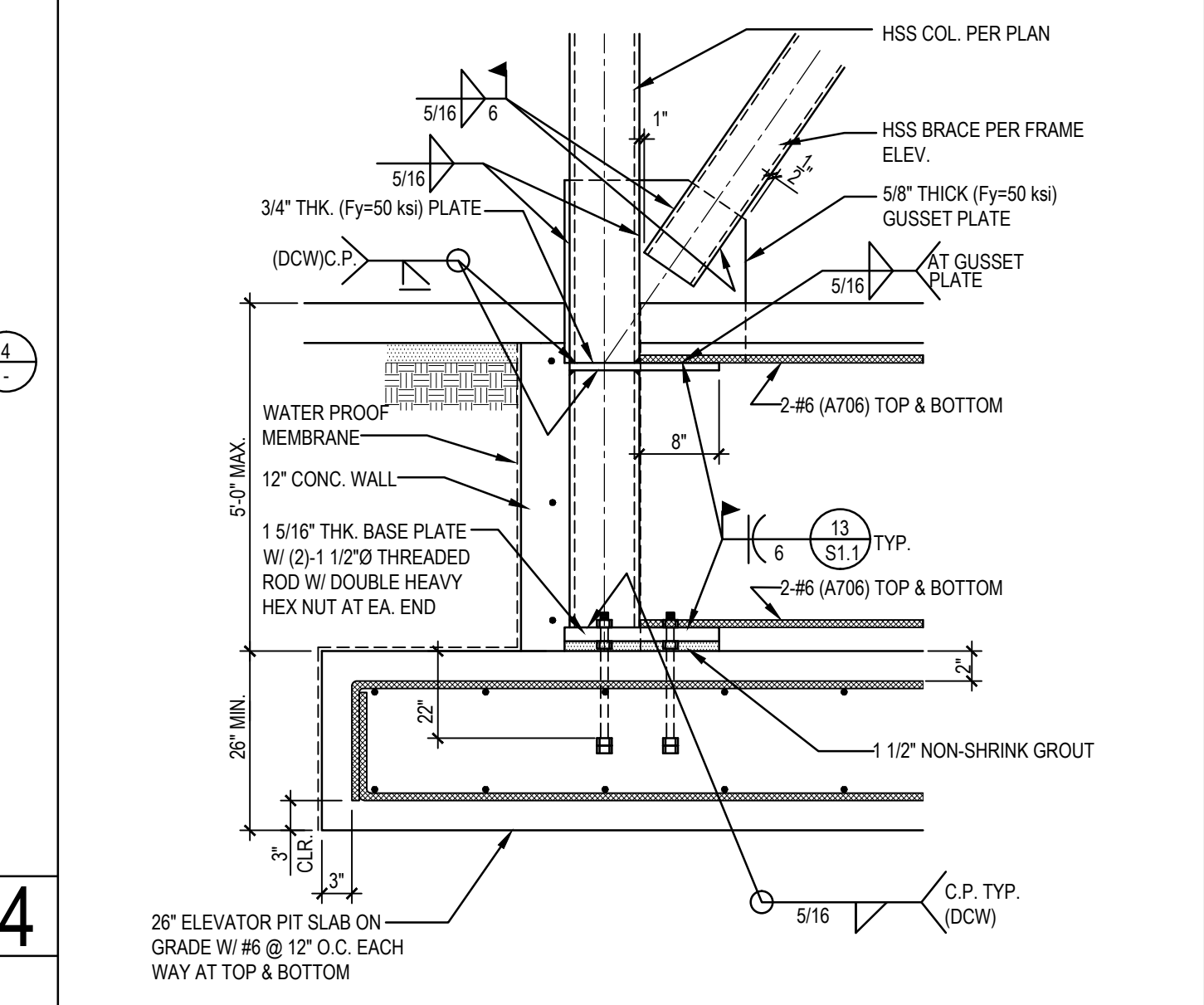
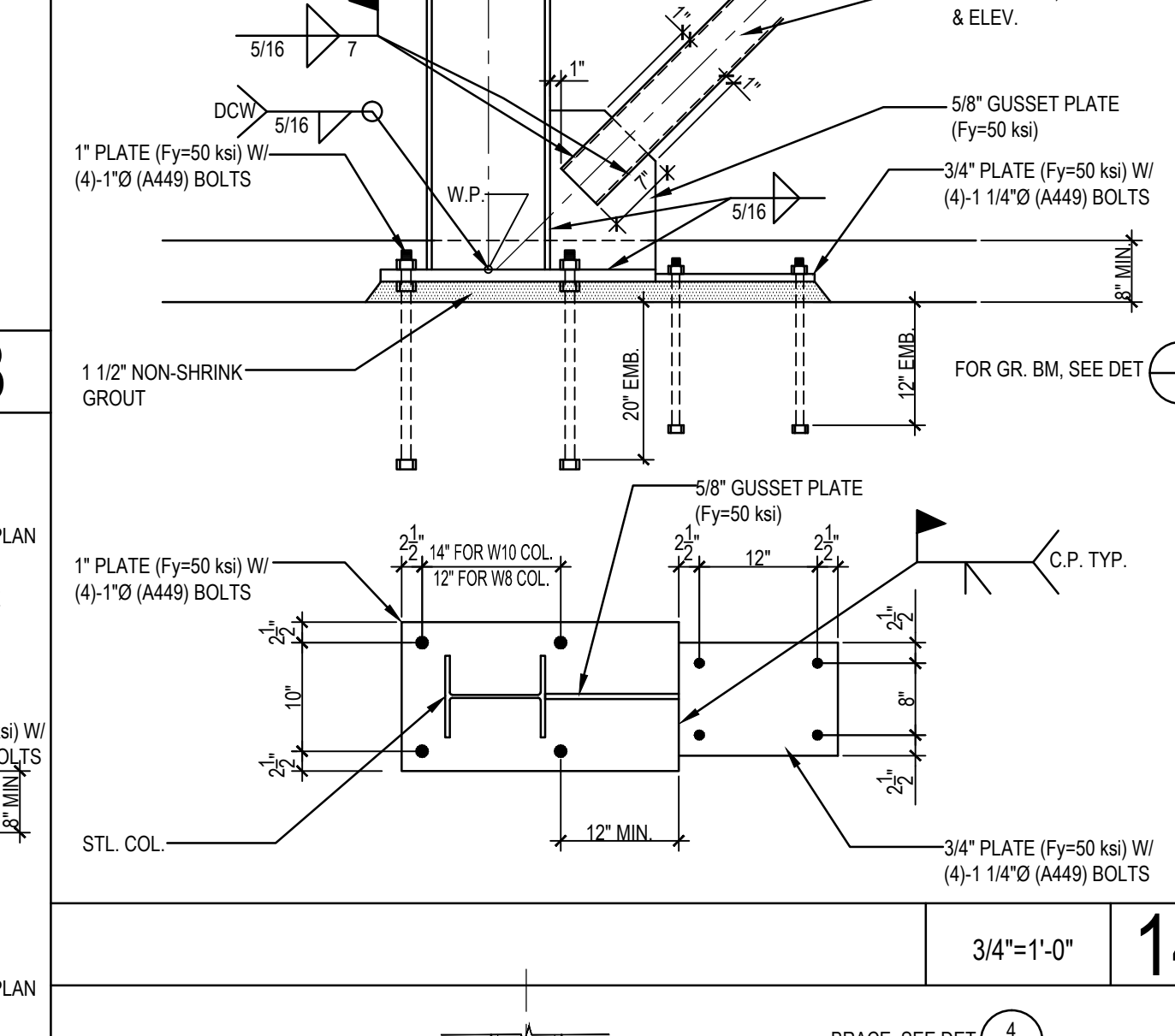
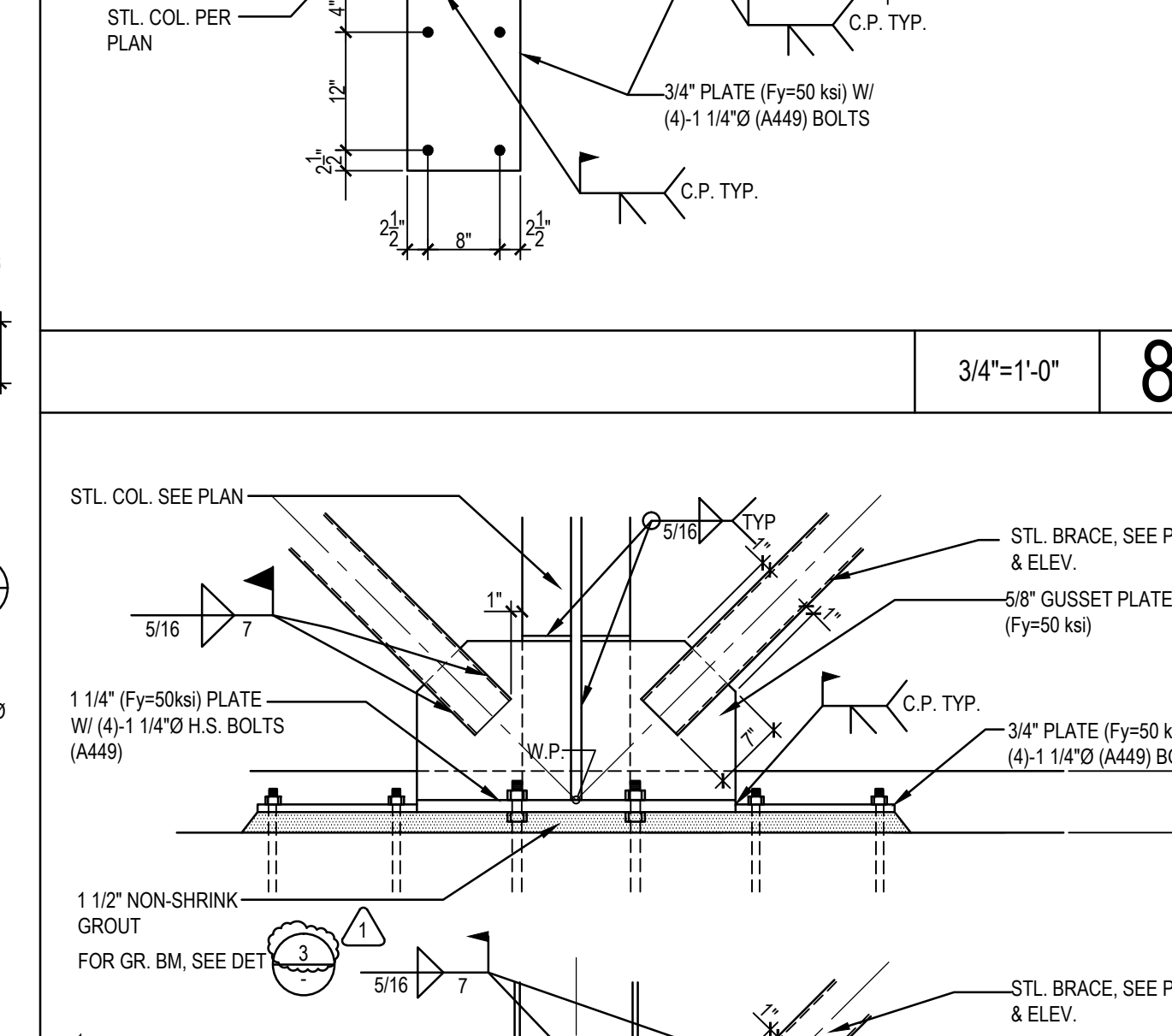
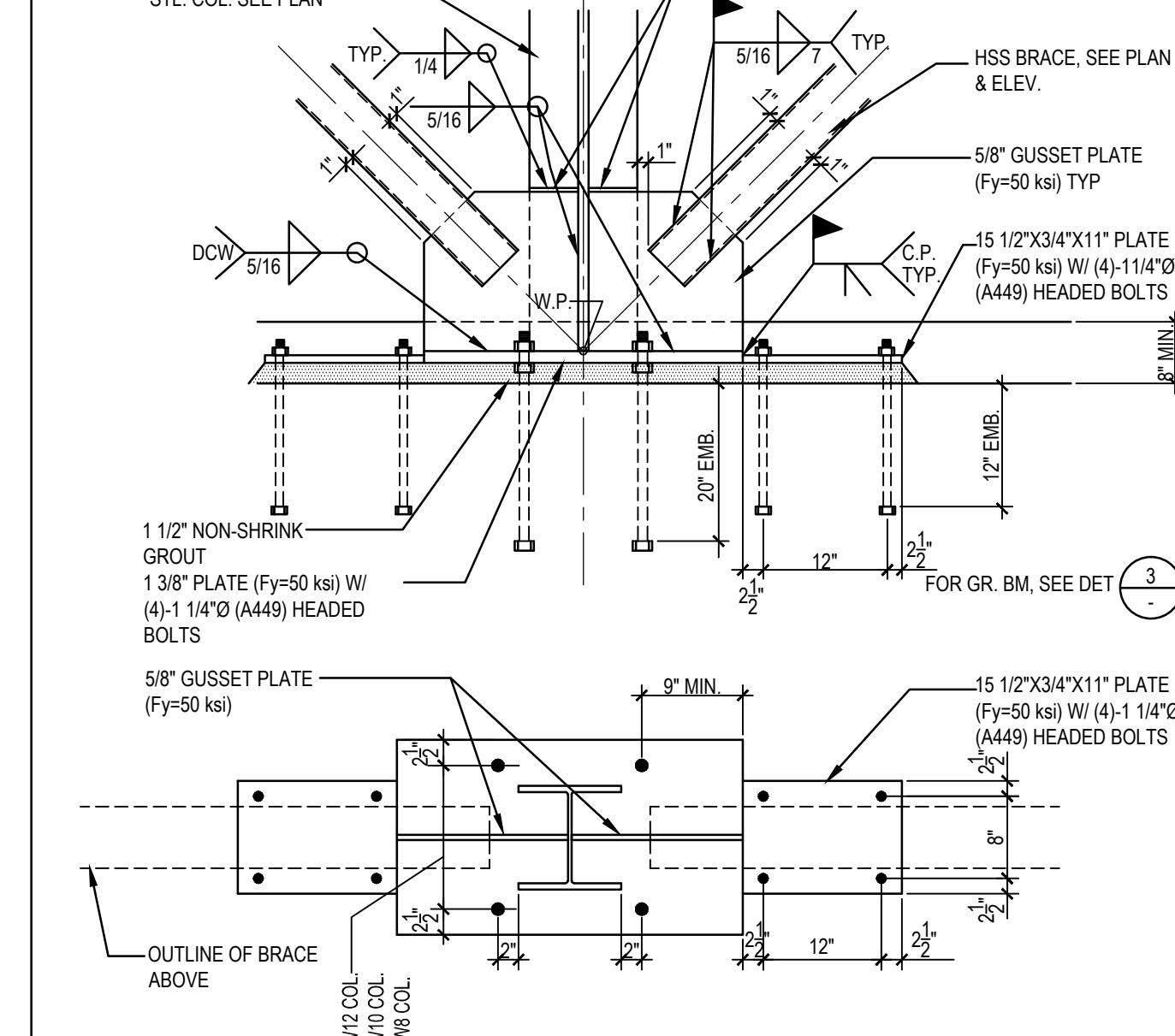
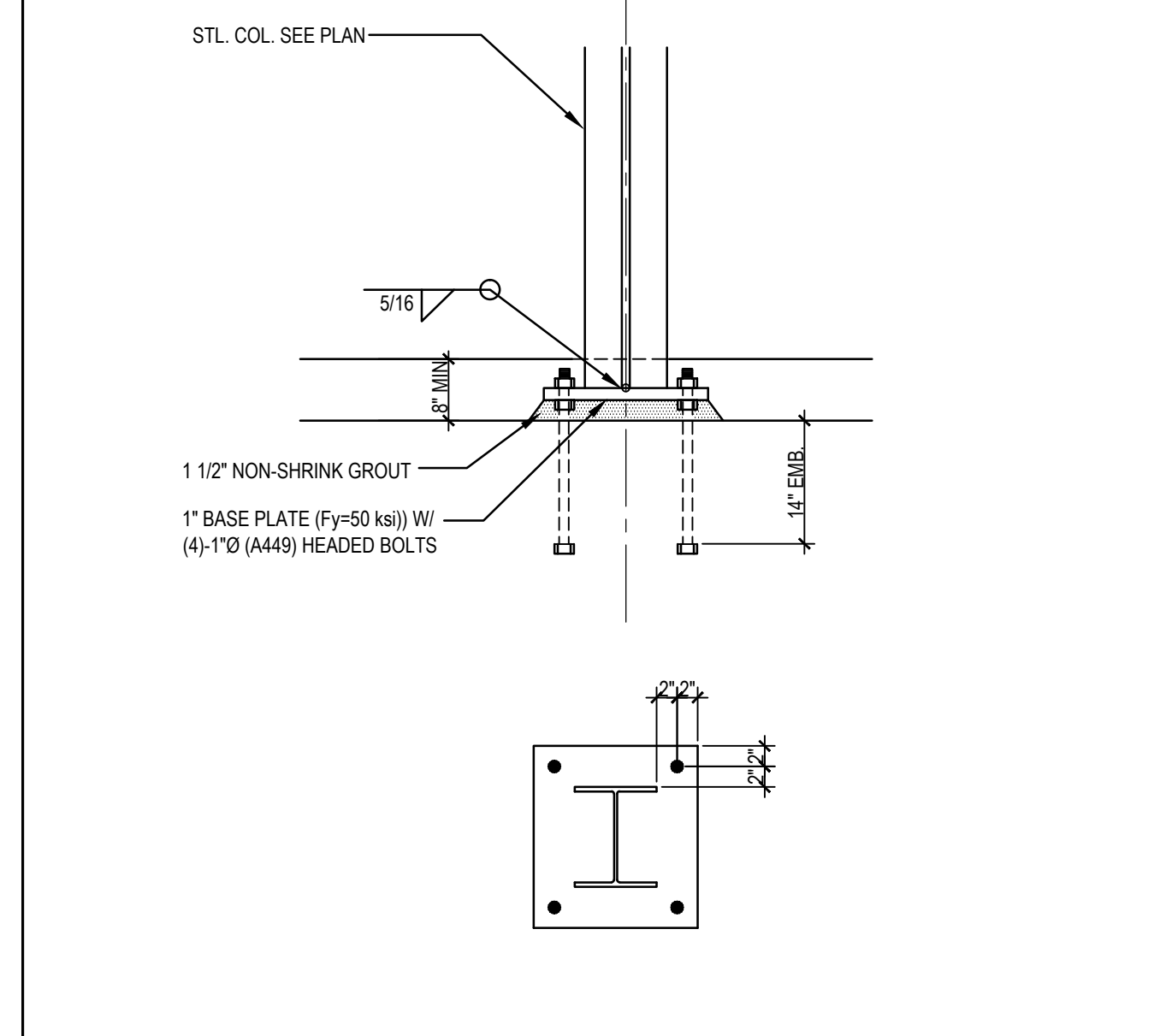
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3/4"=1'-0" 8

3/4"=1'-0" 9

3/4"=1'-0" 10



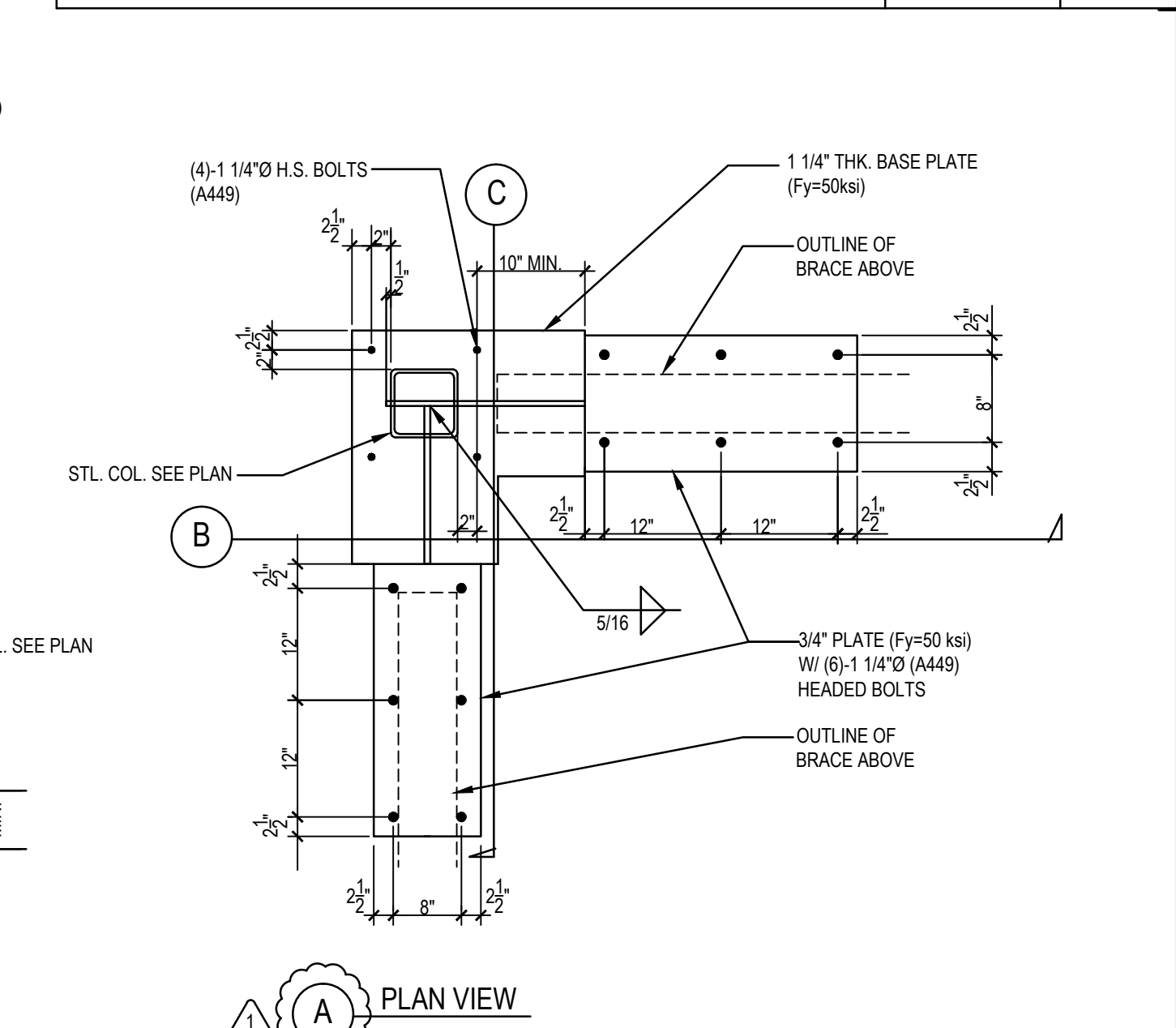
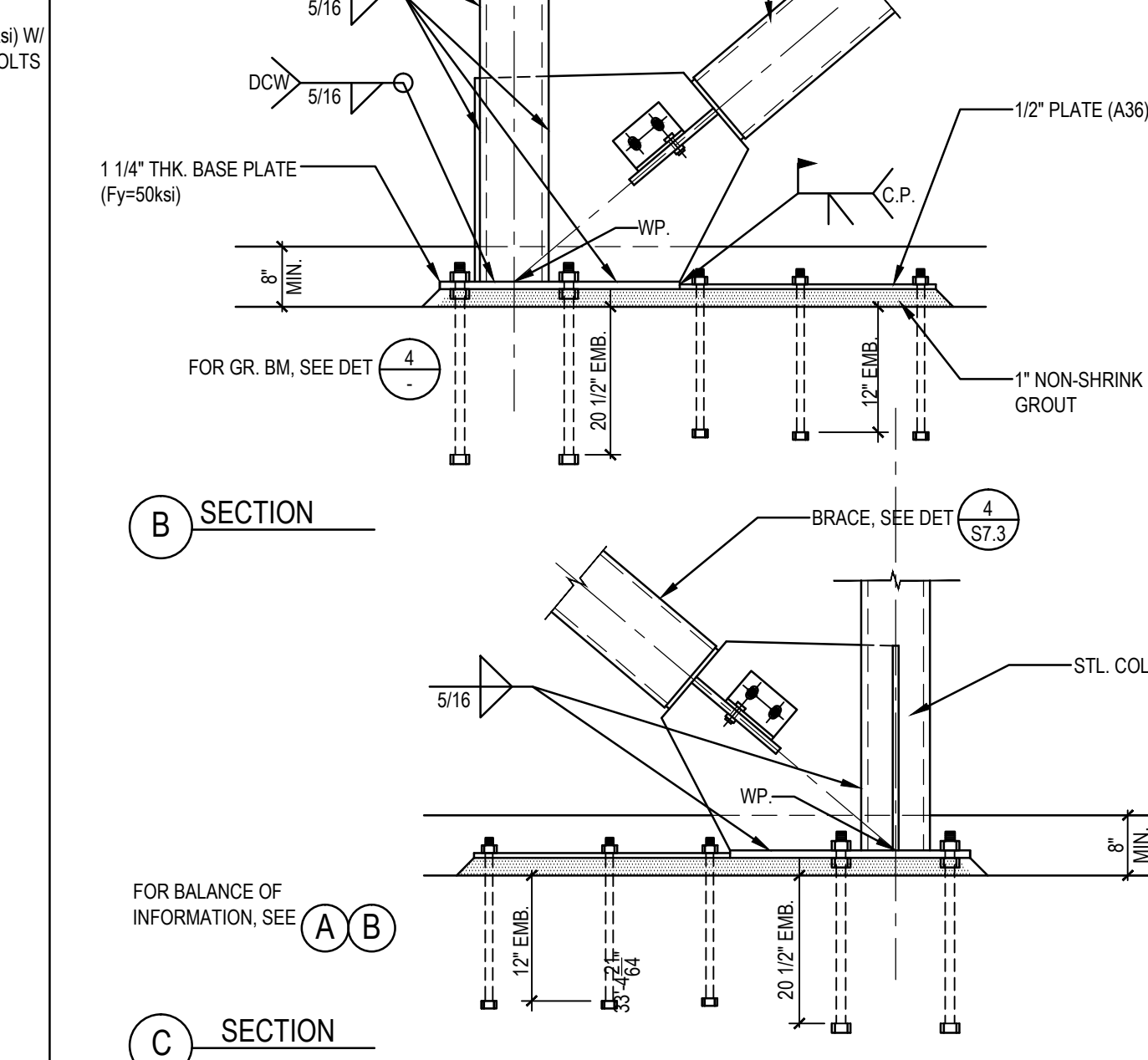
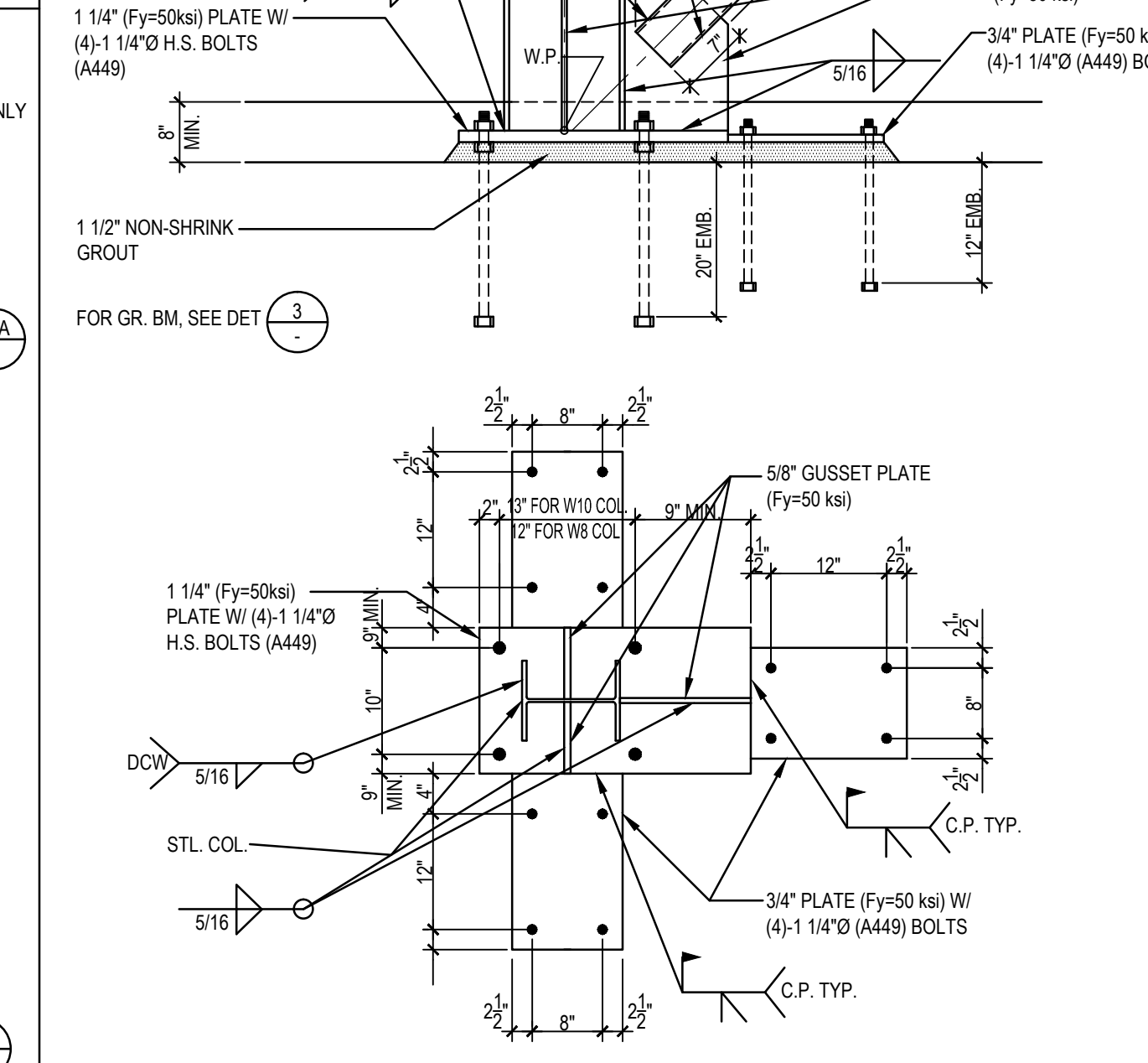
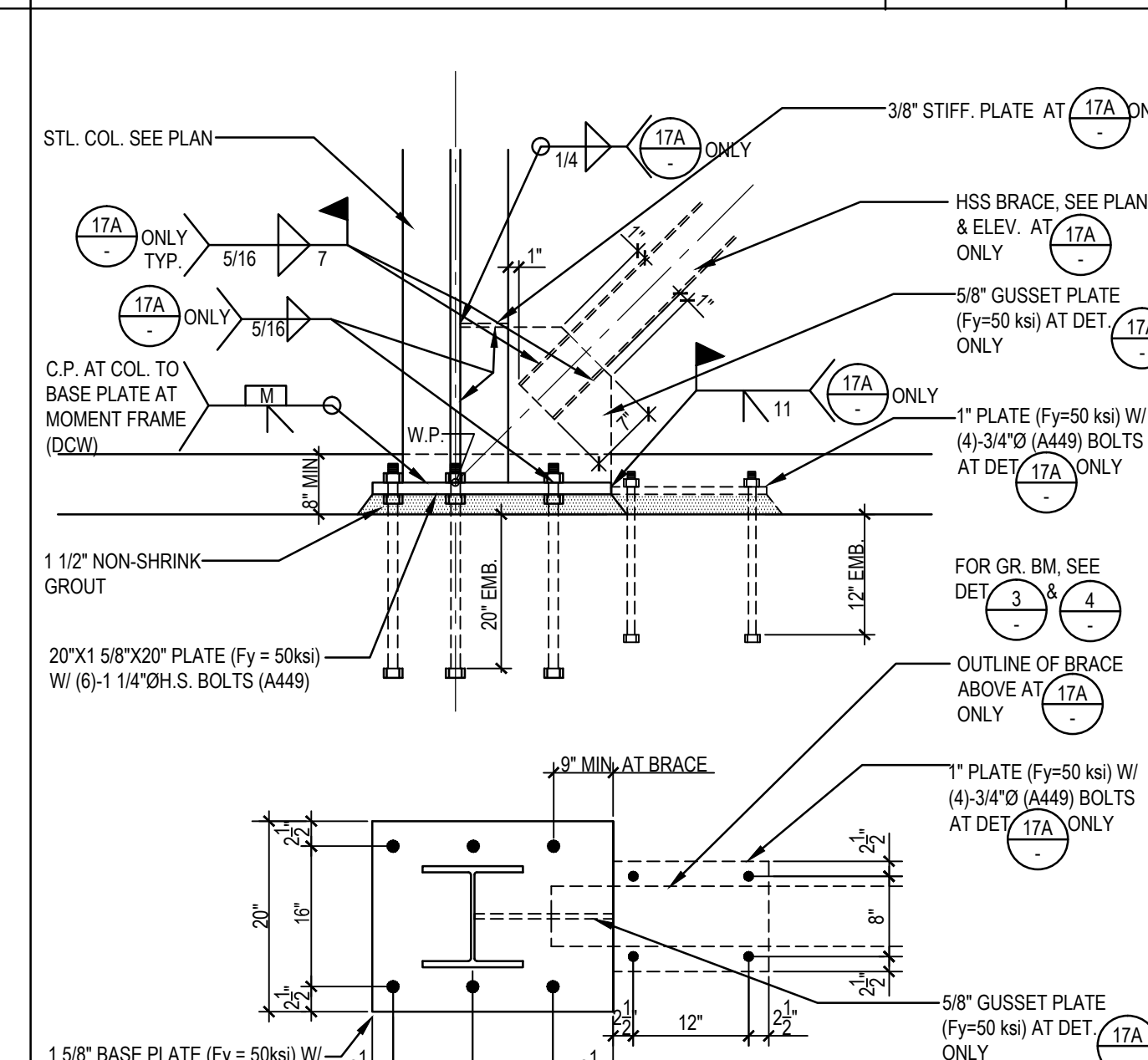
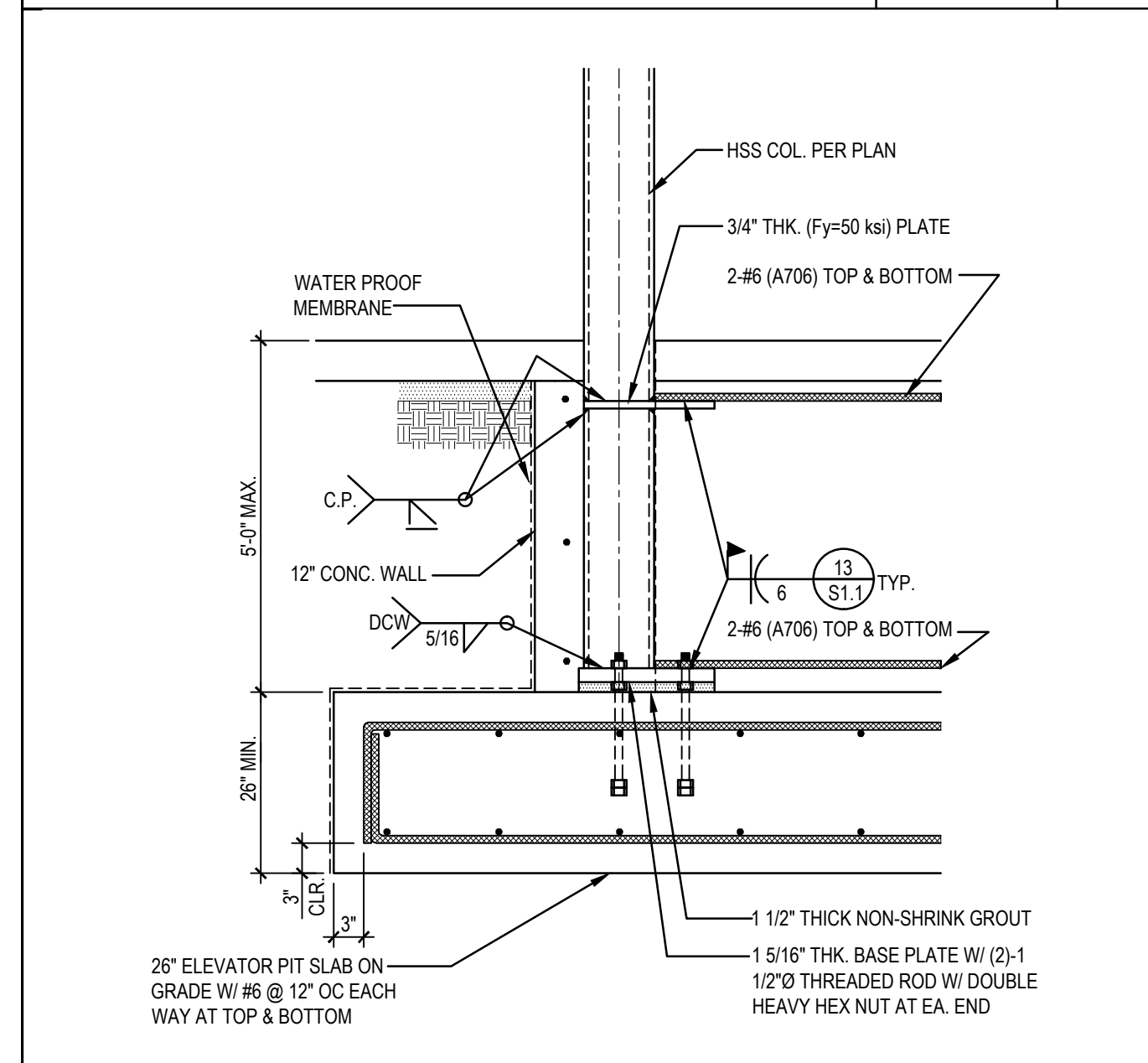
3/4"=1'-0" 11

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3/4"=1'-0" 14

3/4"=1'-0" 15



3/4"=1'-0" 16

3/4"=1'-0" 17 17A

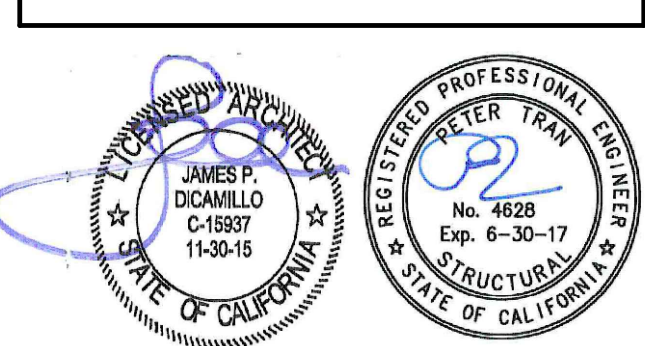
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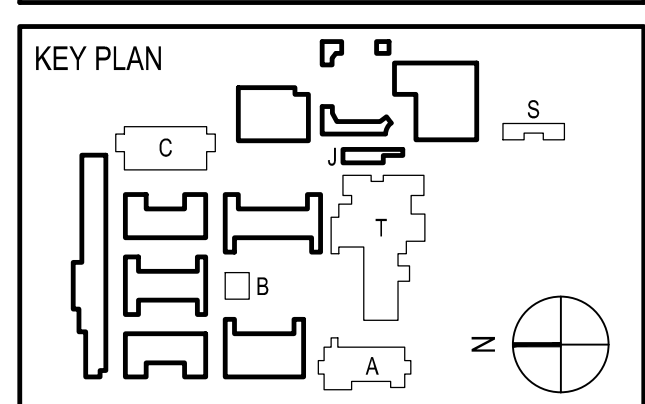
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 ROWLAND UNIFIED SCHOOL DISTRICT
 2000 OTTERBEIN AVE
 ROWLAND HEIGHTS, CALIFORNIA



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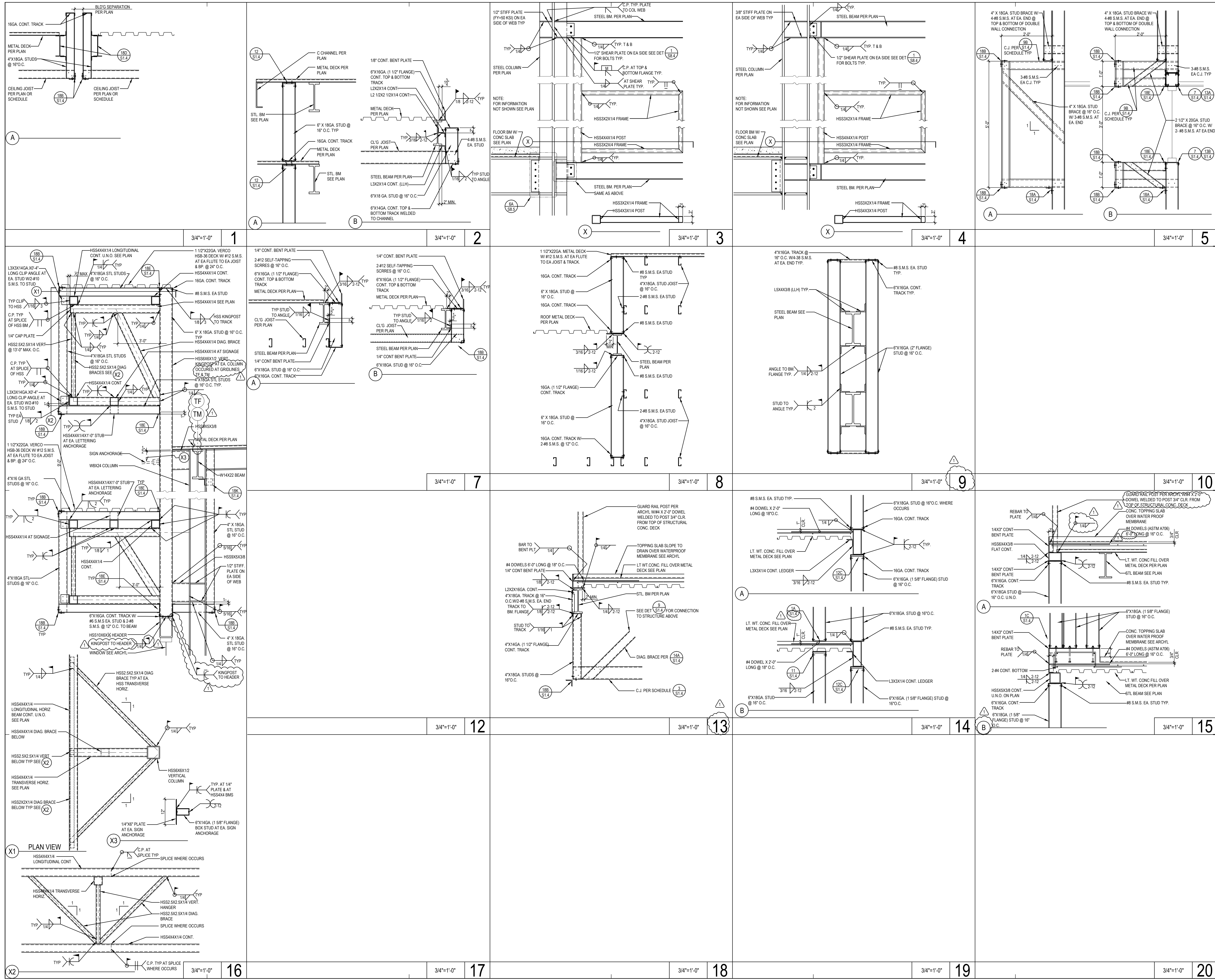
REVISIONS
 APPL 03-115771
 AC: _____
 FL: _____
 SS: _____
 DATE: _____



REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACKCHECK	
12/12/2015	ADDENDUM 1	

DRWN: IDK CHKD: PT
 DATE: 4/8/15 SCALE: AS NOTED
 PROJECT NUMBER: 1310700

DETAILS
 DRAWING NUMBER: **S7.2**



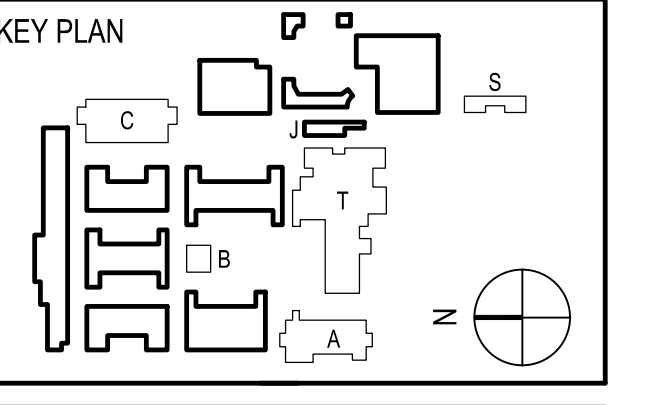
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 (626) 944-7863 FAX

REGISTRATION stamp:
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL 03-115771
 AC: FLS SS
 FILE: 19-154
 DATE:



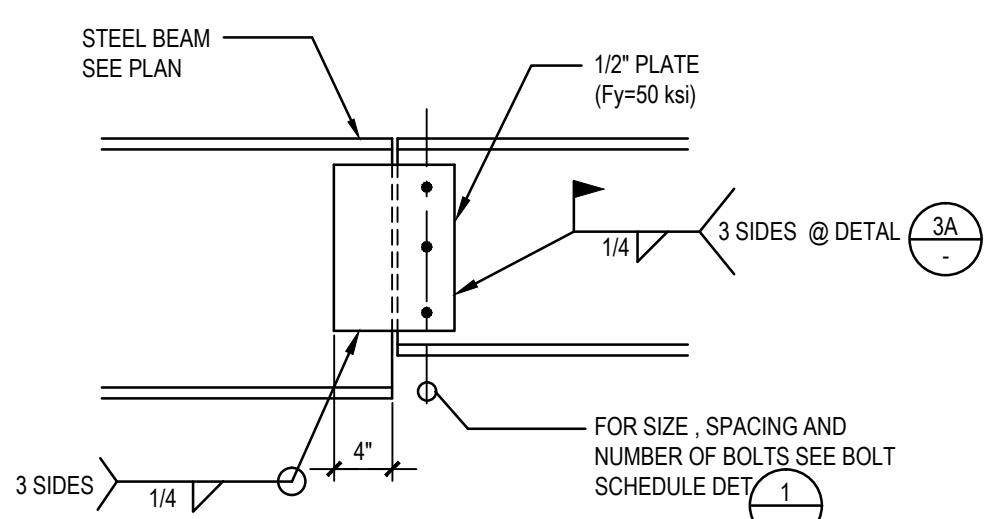
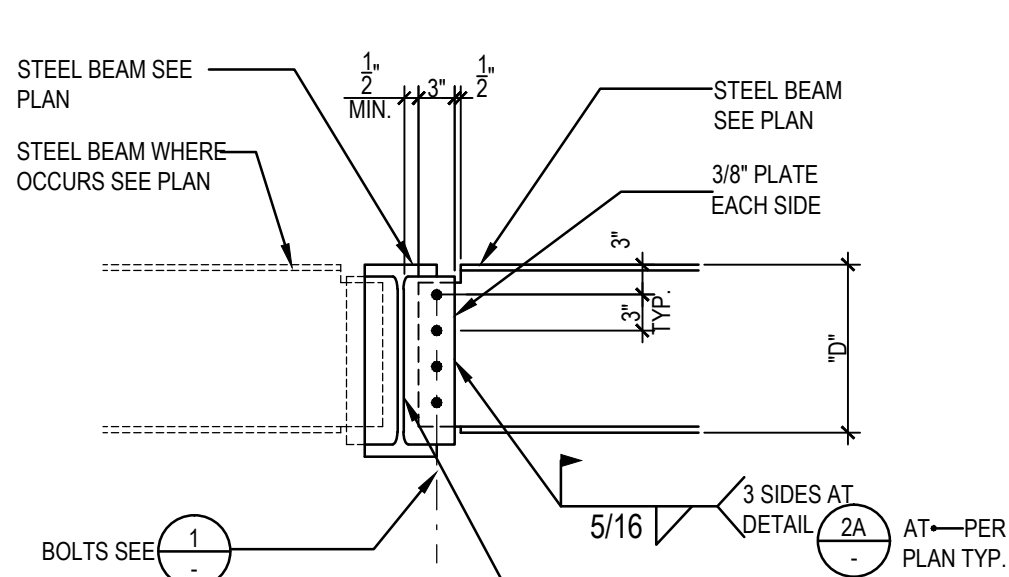
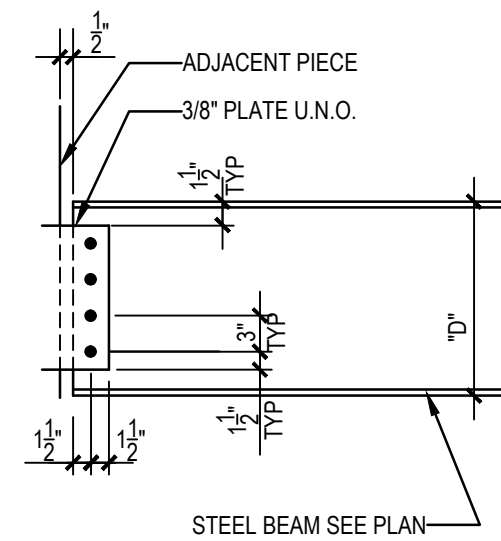
REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACKCHECK	
12/12/2015	ADDENDUM 1	

DRWN: IDK CHKD: PT
 DATE: 4/8/15 SCALE: AS NOTED
 PROJECT NUMBER: 1310700

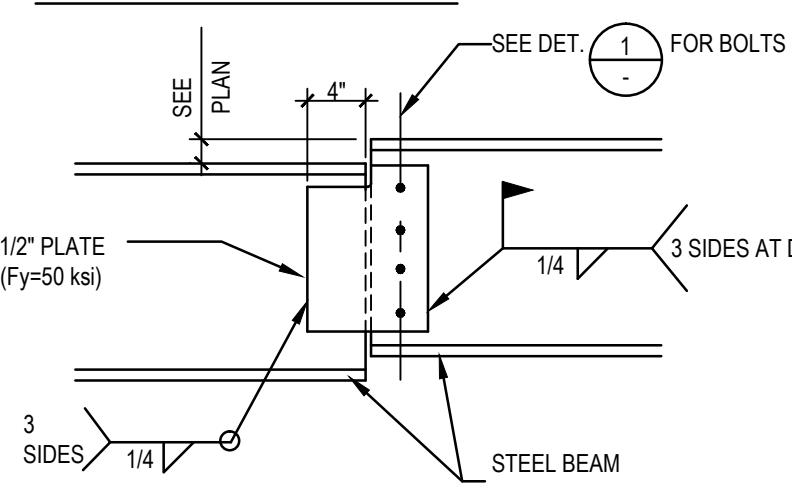
DETAILS
 DRAWING NUMBER: **S8.2**

BEAM DEPTH NOMINAL "D"	NUMBER OF BOLTS A325 HS (SC)
UP TO 6"	2-7/8" Ø
8" TO 10"	2-7/8" Ø
12"	3-7/8" Ø
14"	3-7/8" Ø
16"	4-7/8" Ø
18"	5-7/8" Ø
21"	6-7/8" Ø
24"	7-7/8" Ø
30"	8-7/8" Ø

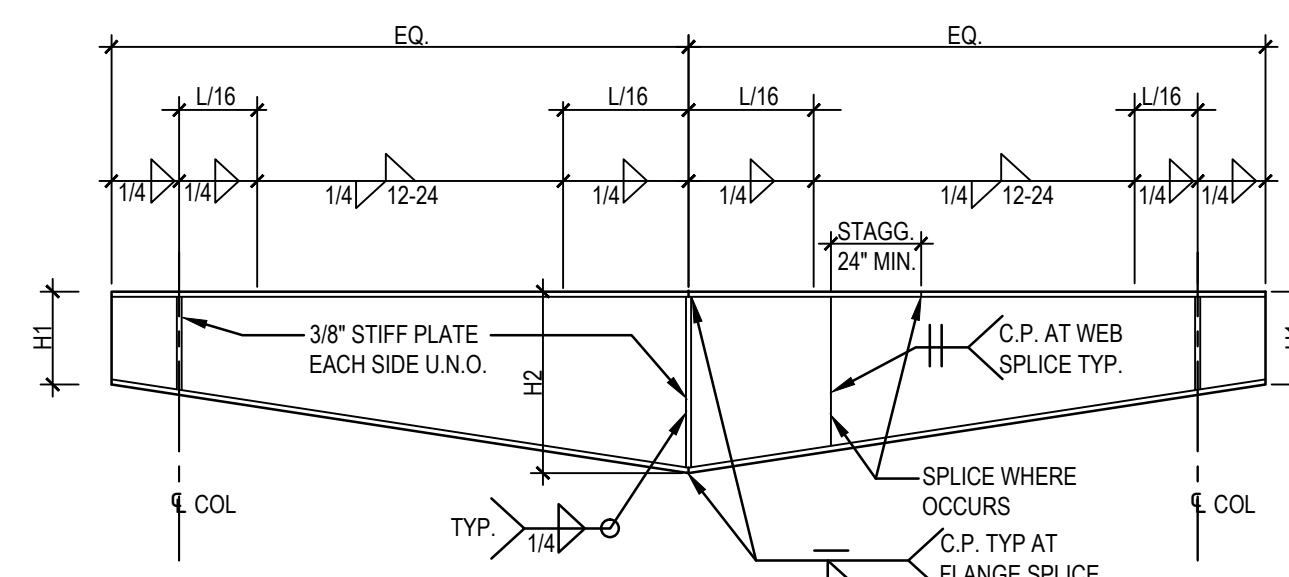
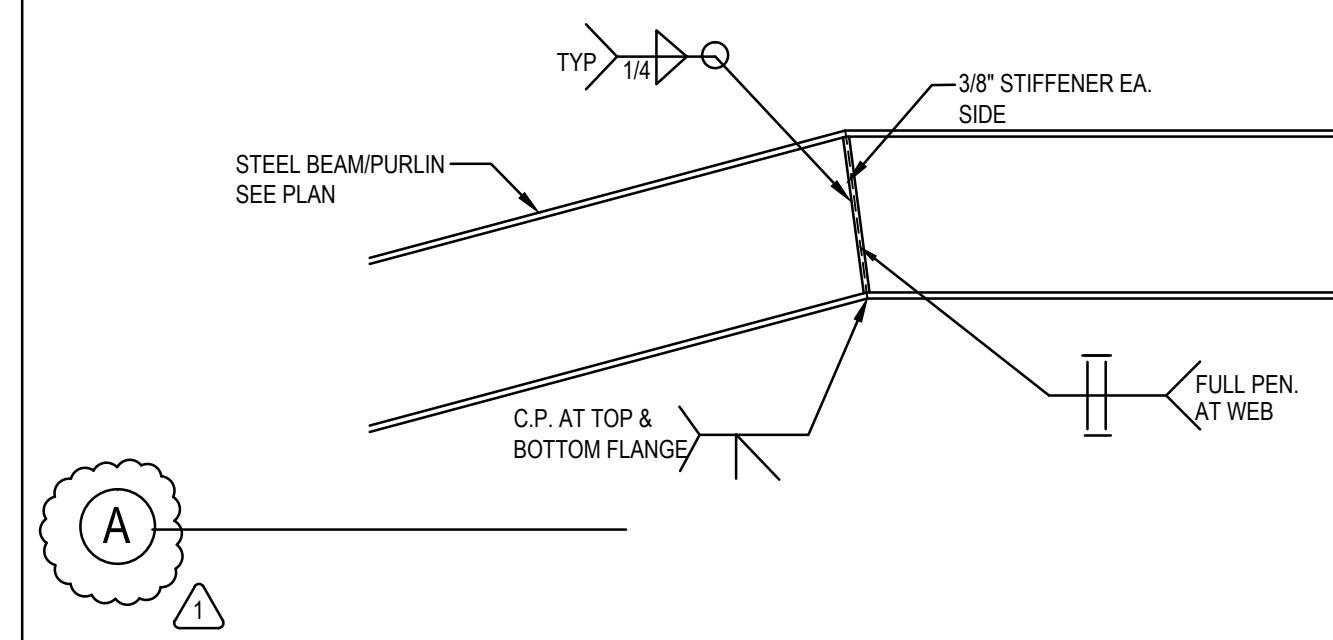
NOTE:
DIMENSIONS NOTED ARE MINIMUM. U.N.O.
IN OTHER DETAILS, THAT MAY SHOW LARGER
MINIMUM.



TOP OF BEAM LEVEL



TOP OF BEAM STEPPED



STG #	H1	H2	FLANGE	WEB	CAMBER
STG 1	16"	54"	11 1/2" X 5/8"	5/16"	3 5/8"
STG 2	14"	48"	11 1/2" X 1/2"	5/16"	2 5/8"

BOLT SCHEDULE

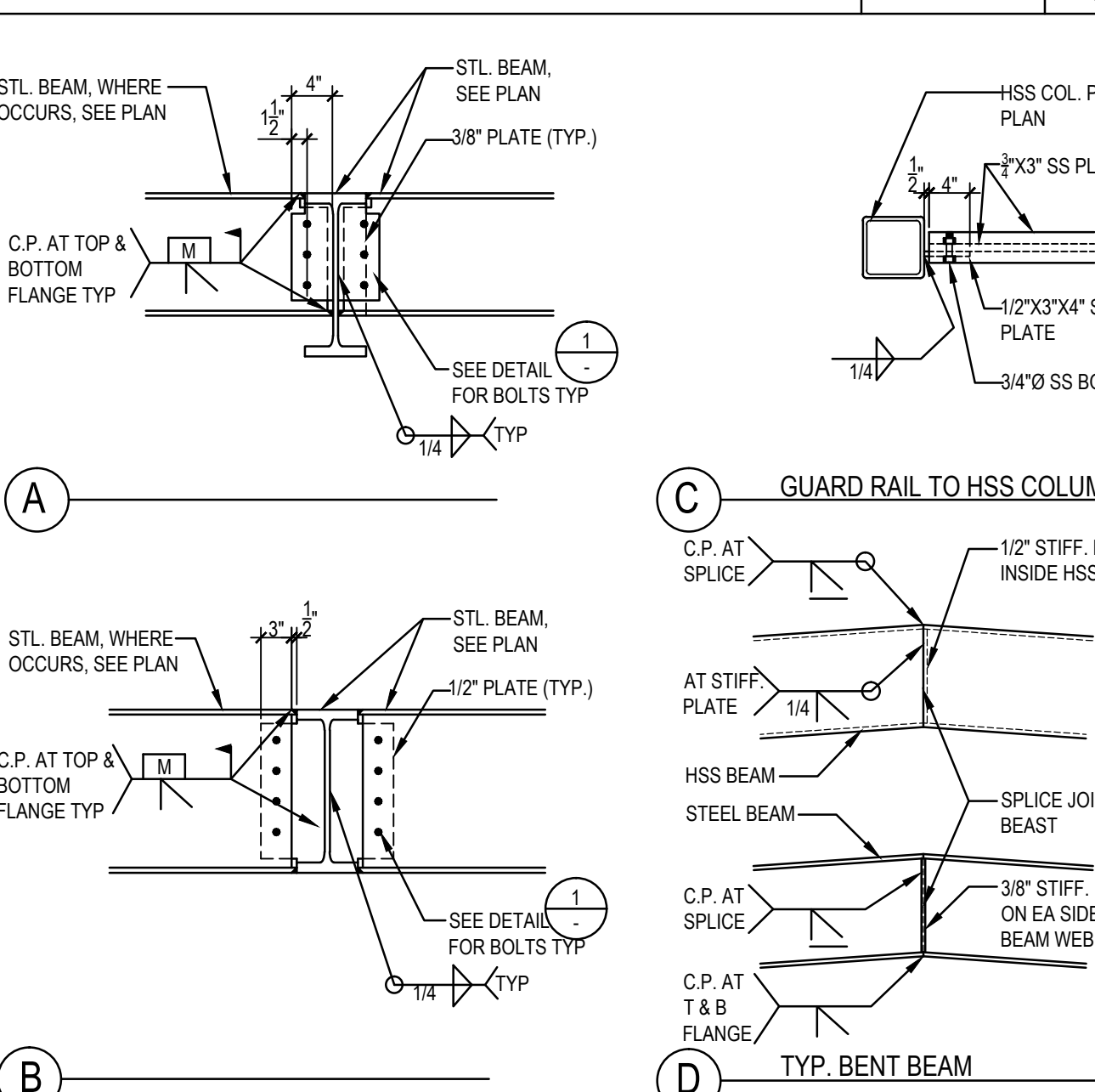
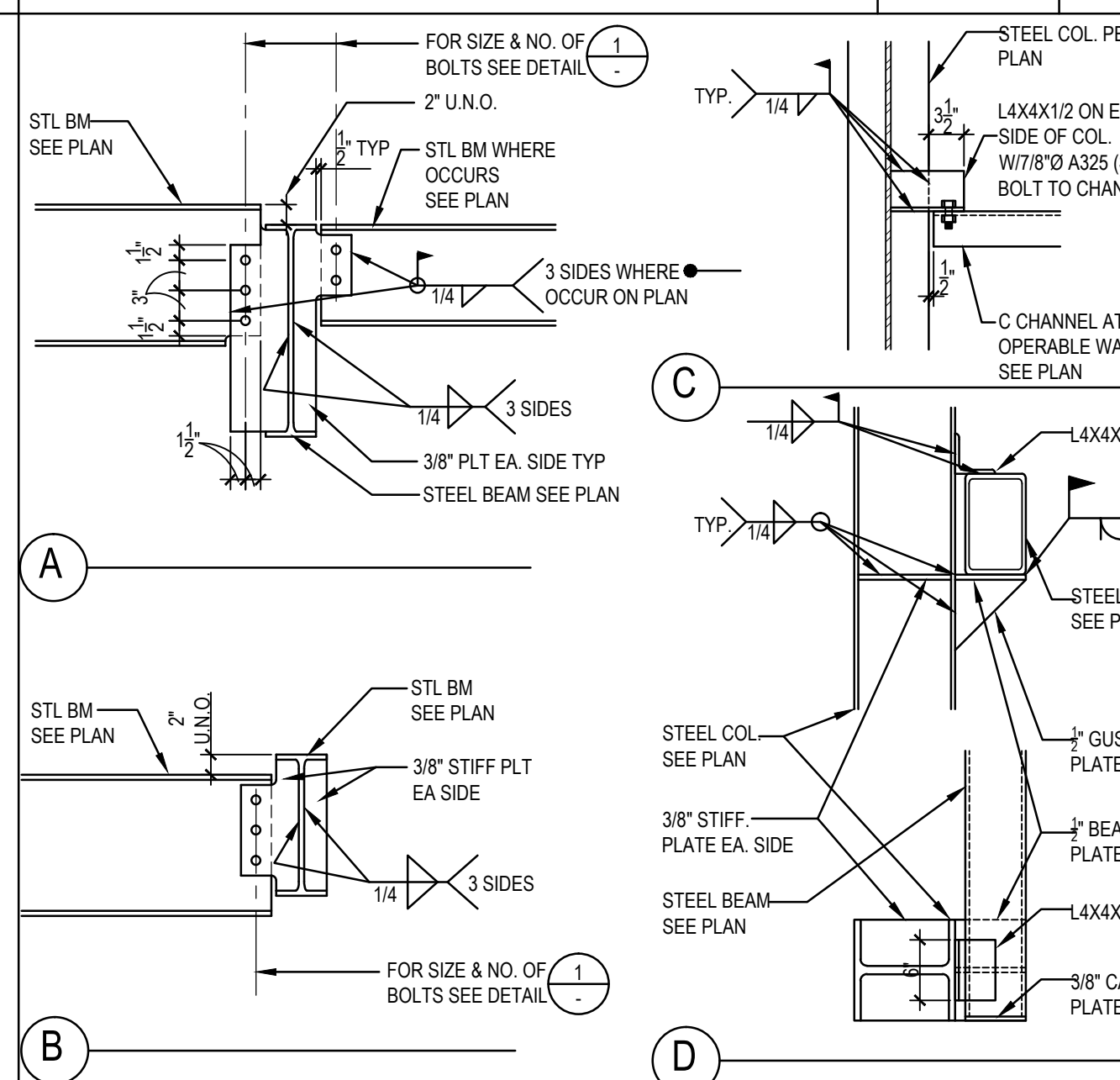
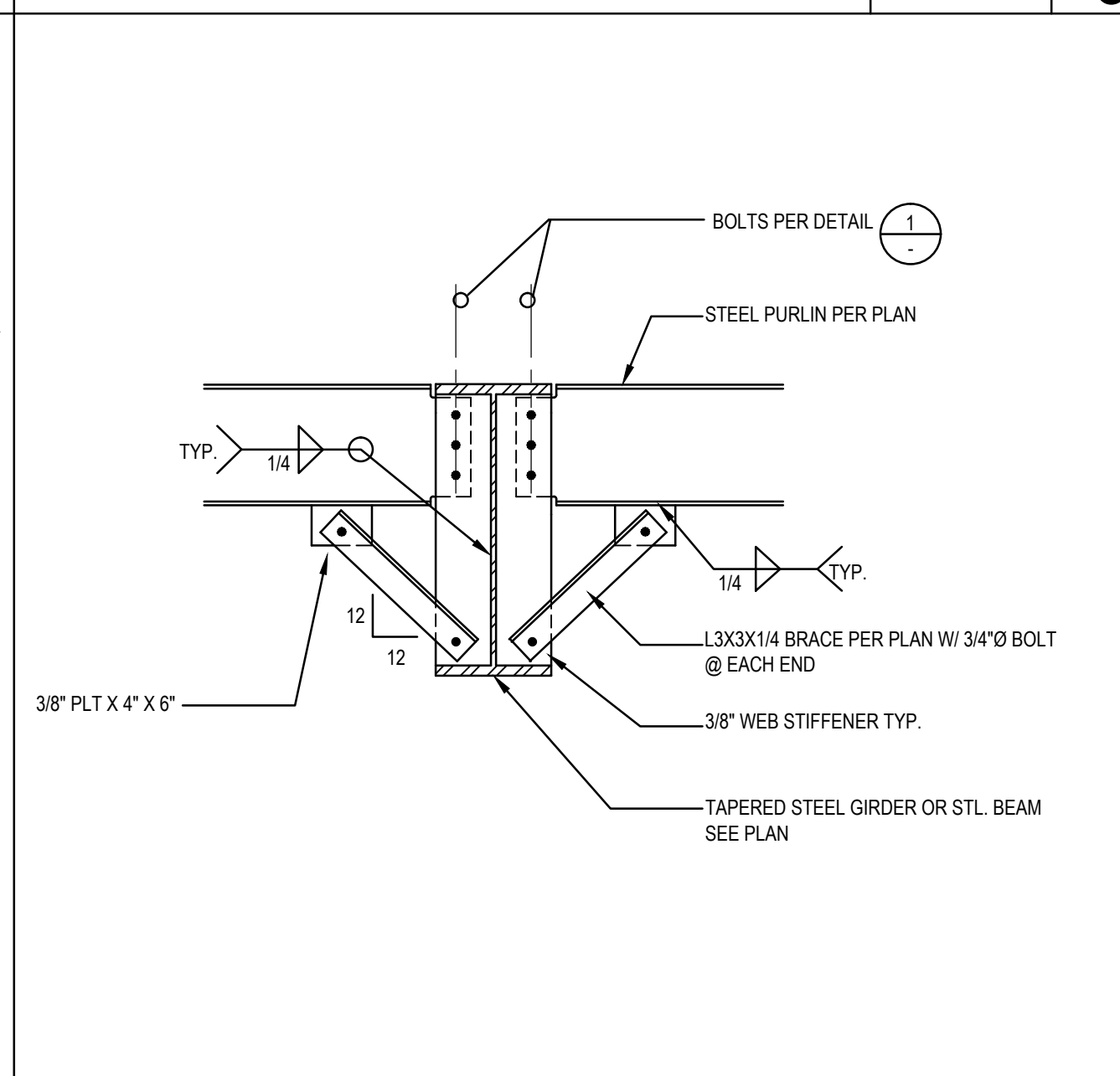
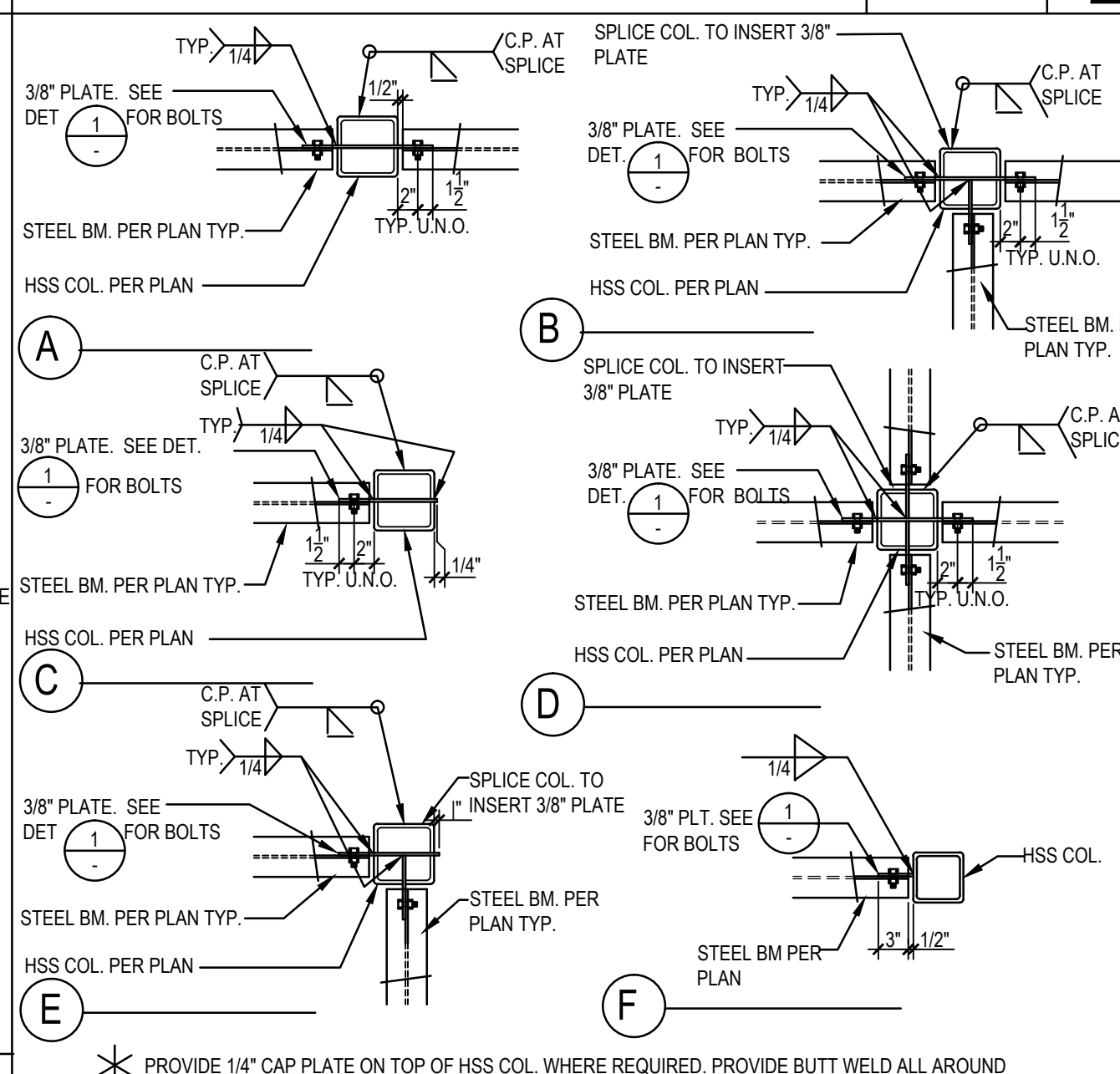
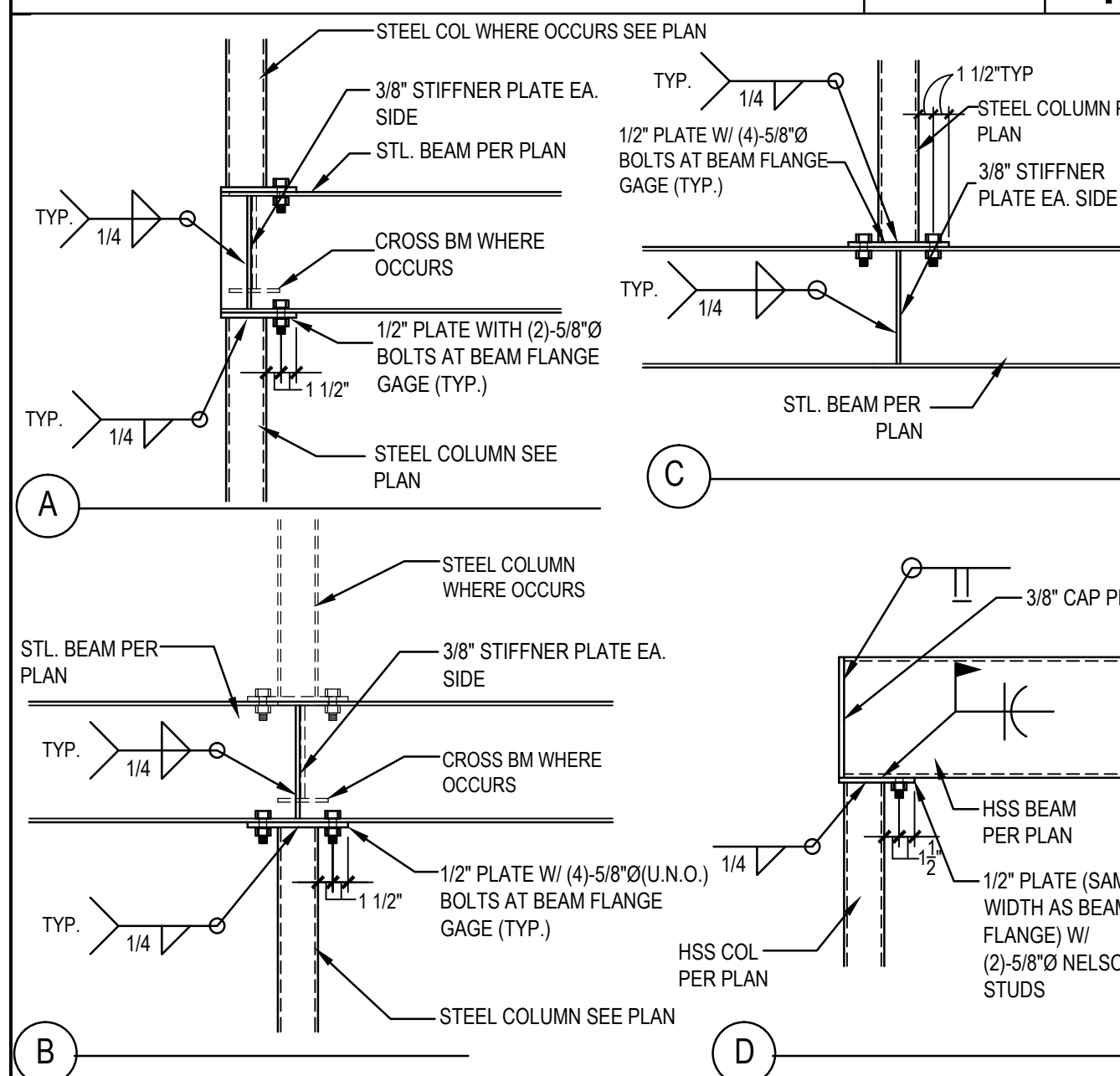
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3/4"=1'-0" 2

3/4"=1'-0" 3

3/4"=1'-0" 4

3/4"=1'-0" 5



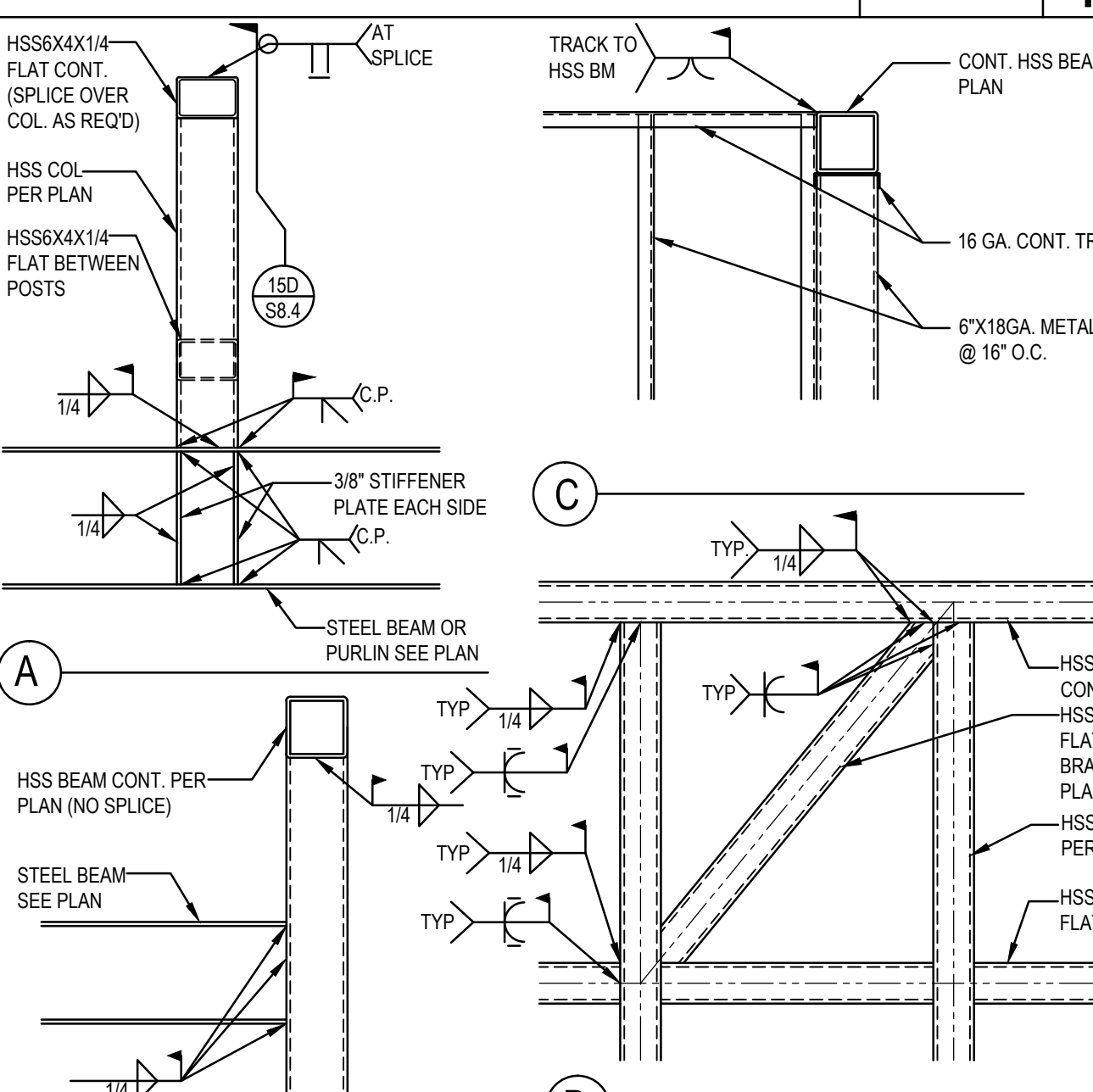
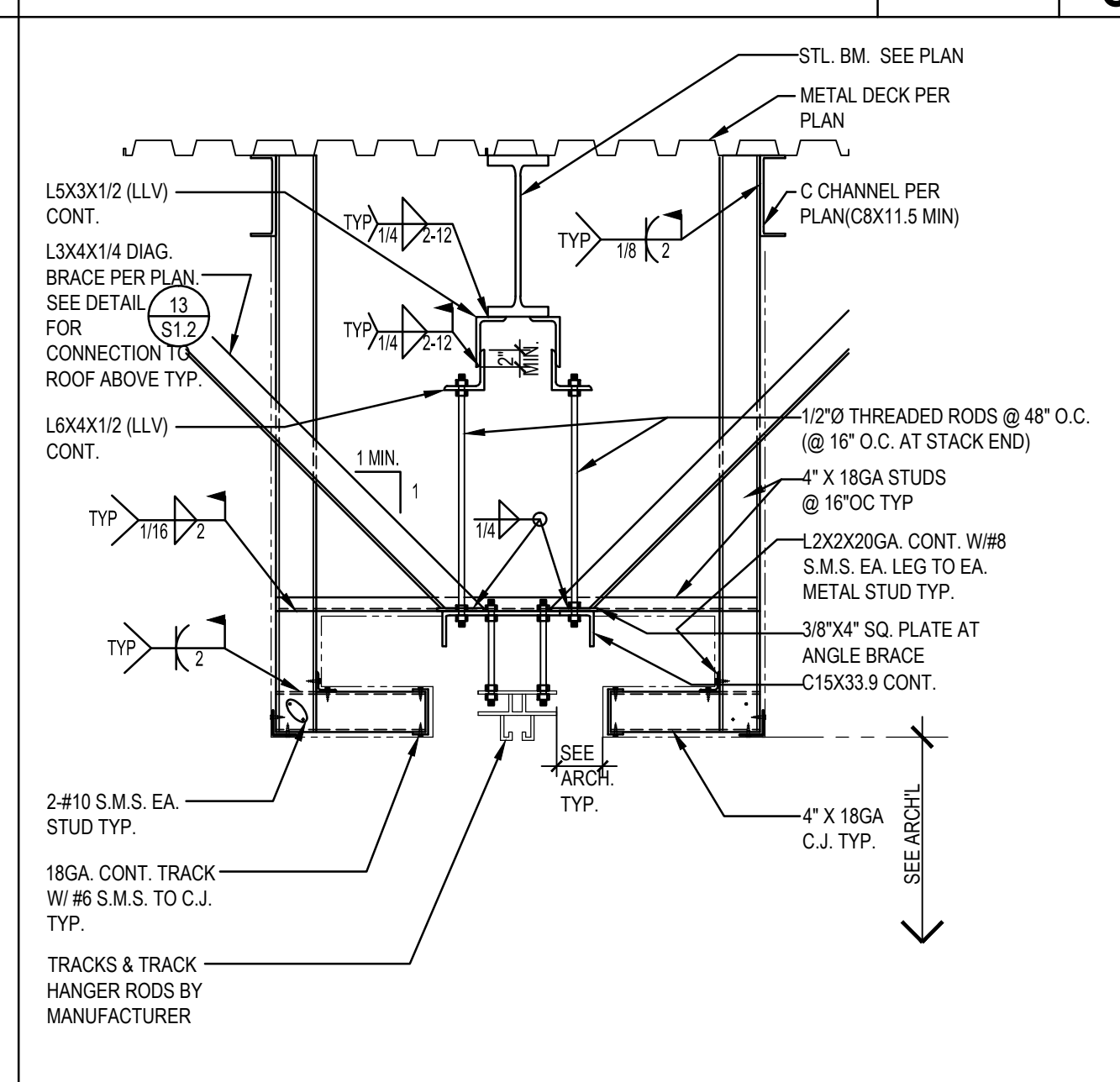
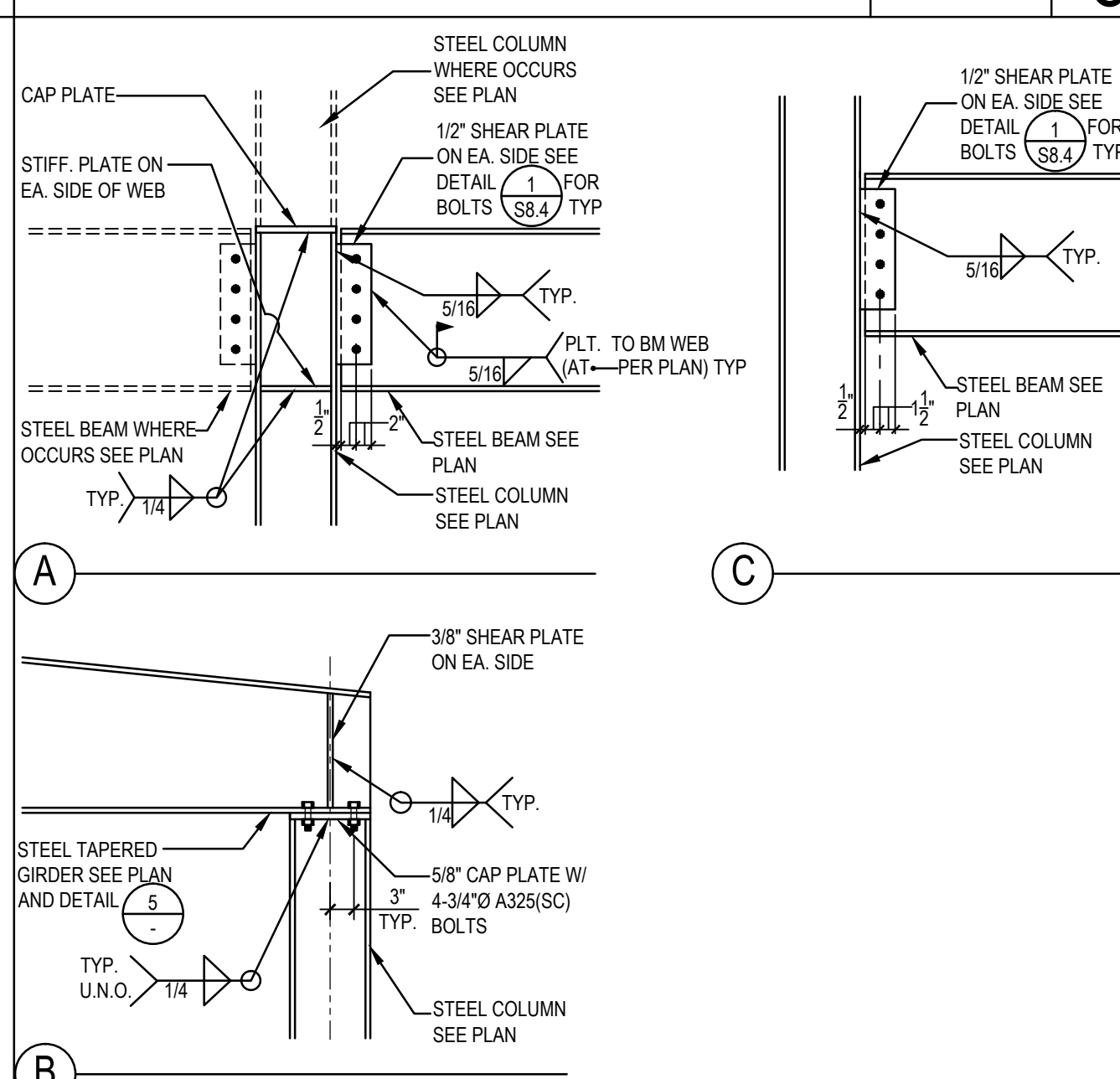
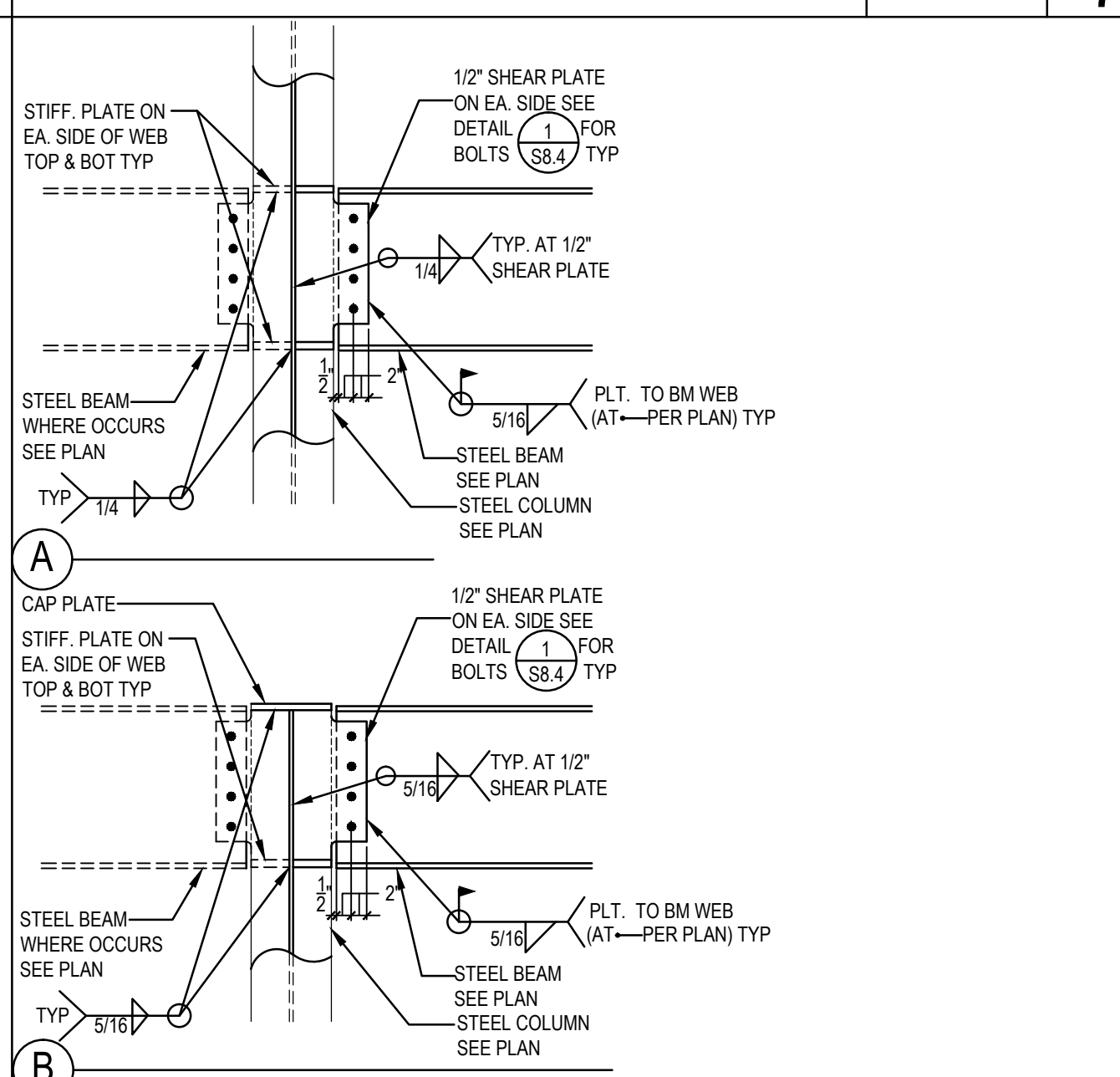
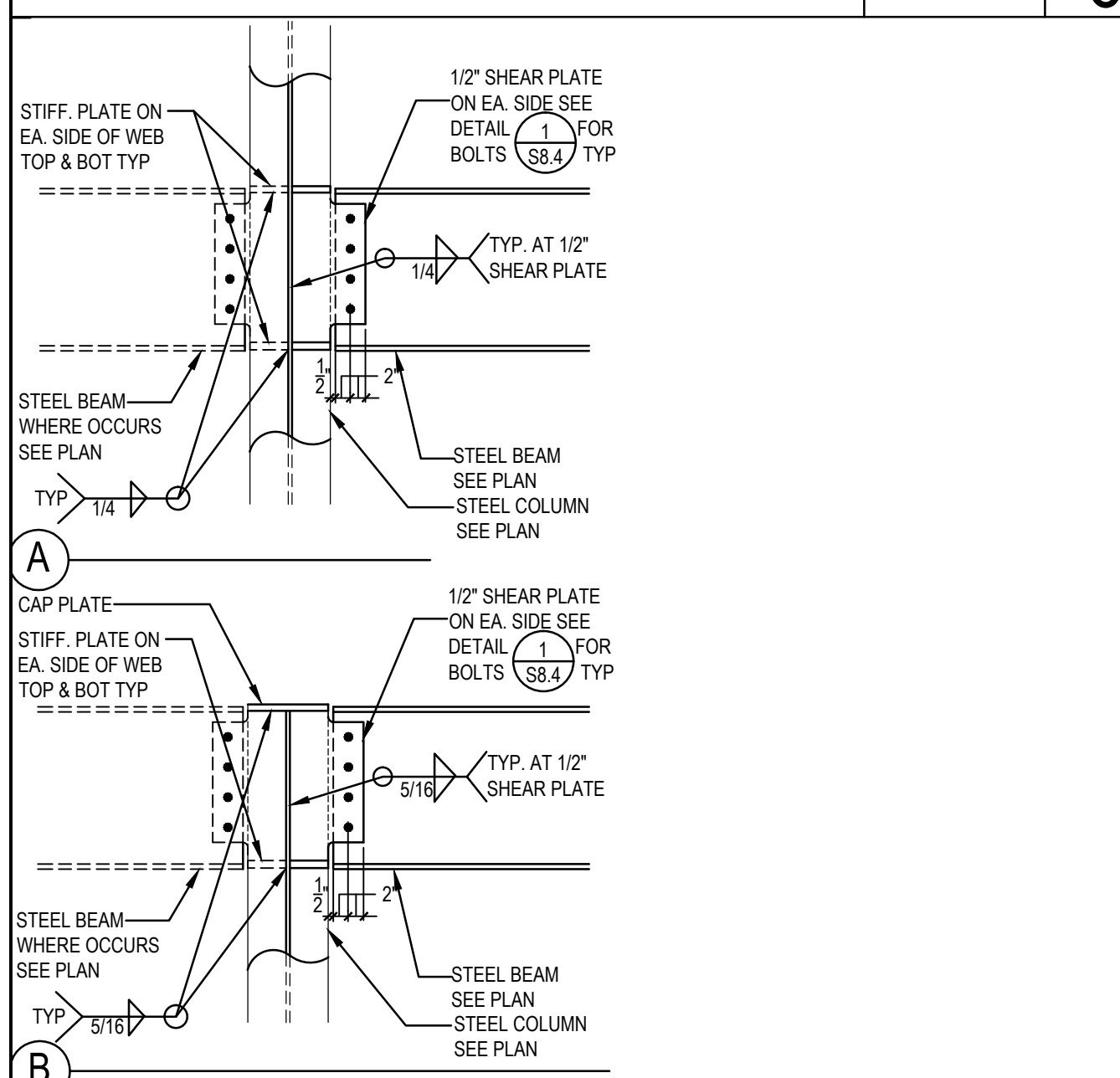
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3/4"=1'-0" 7

3/4"=1'-0" 8

3/4"=1'-0" 9

3/4"=1'-0" 10



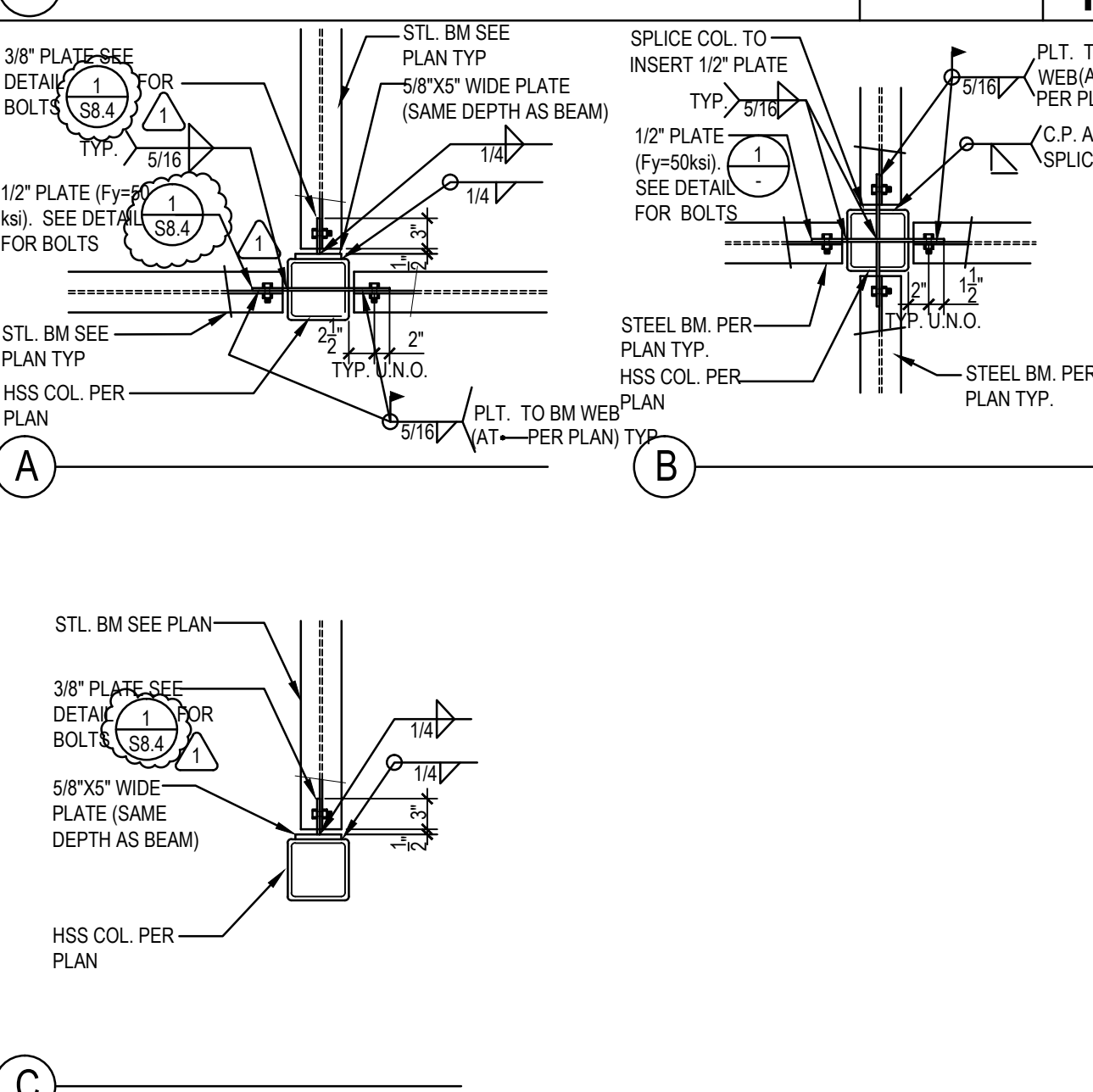
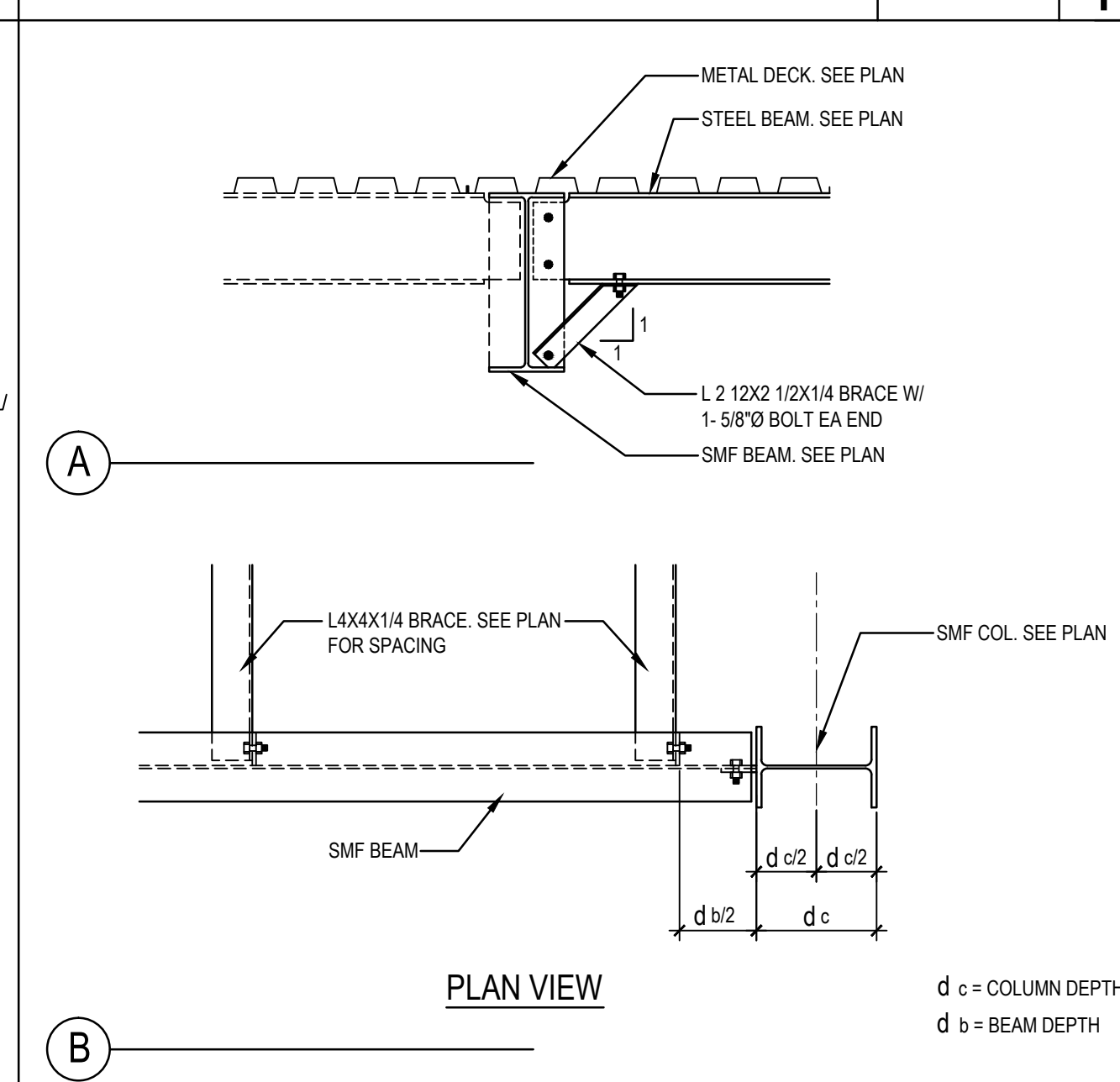
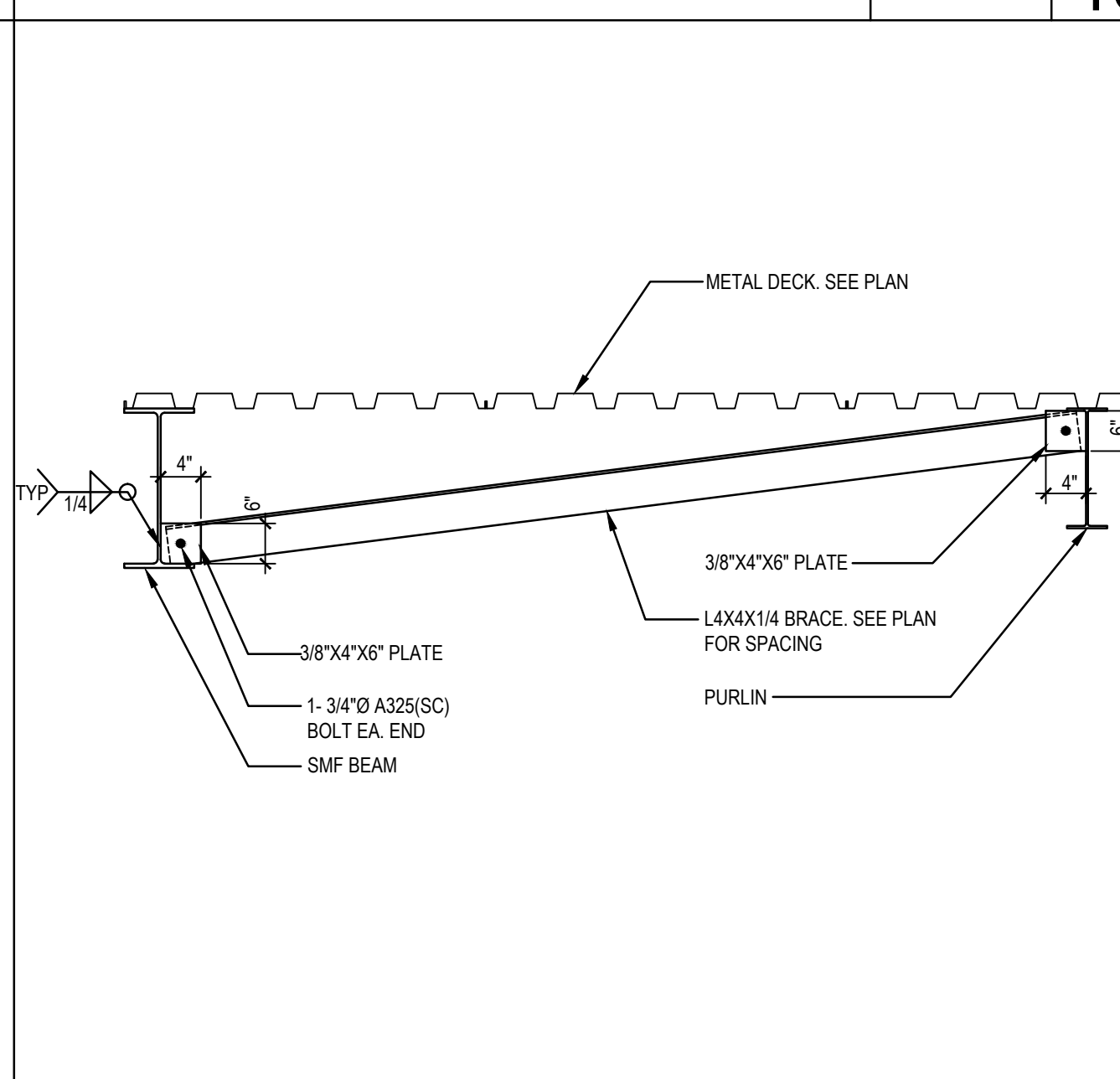
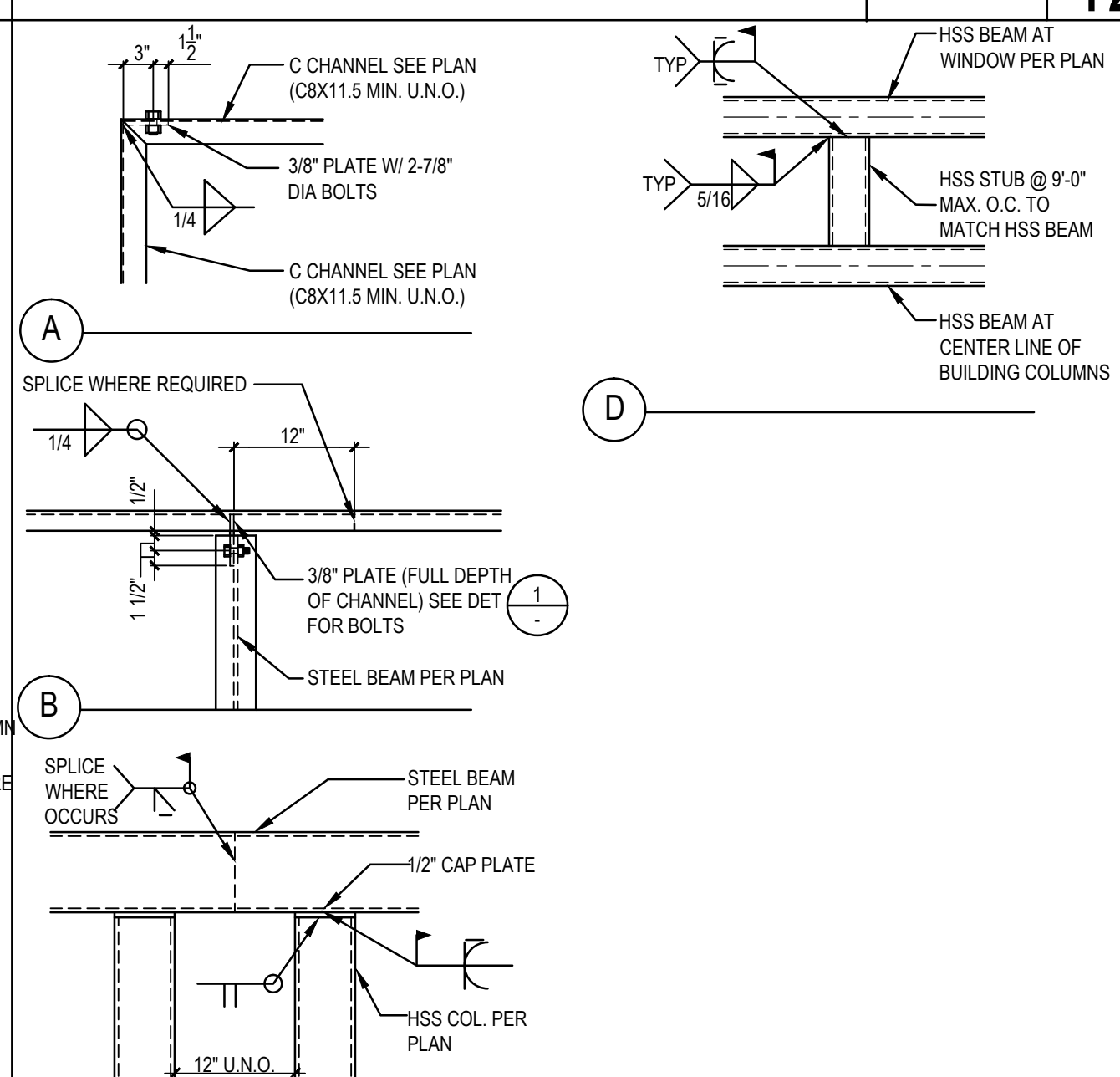
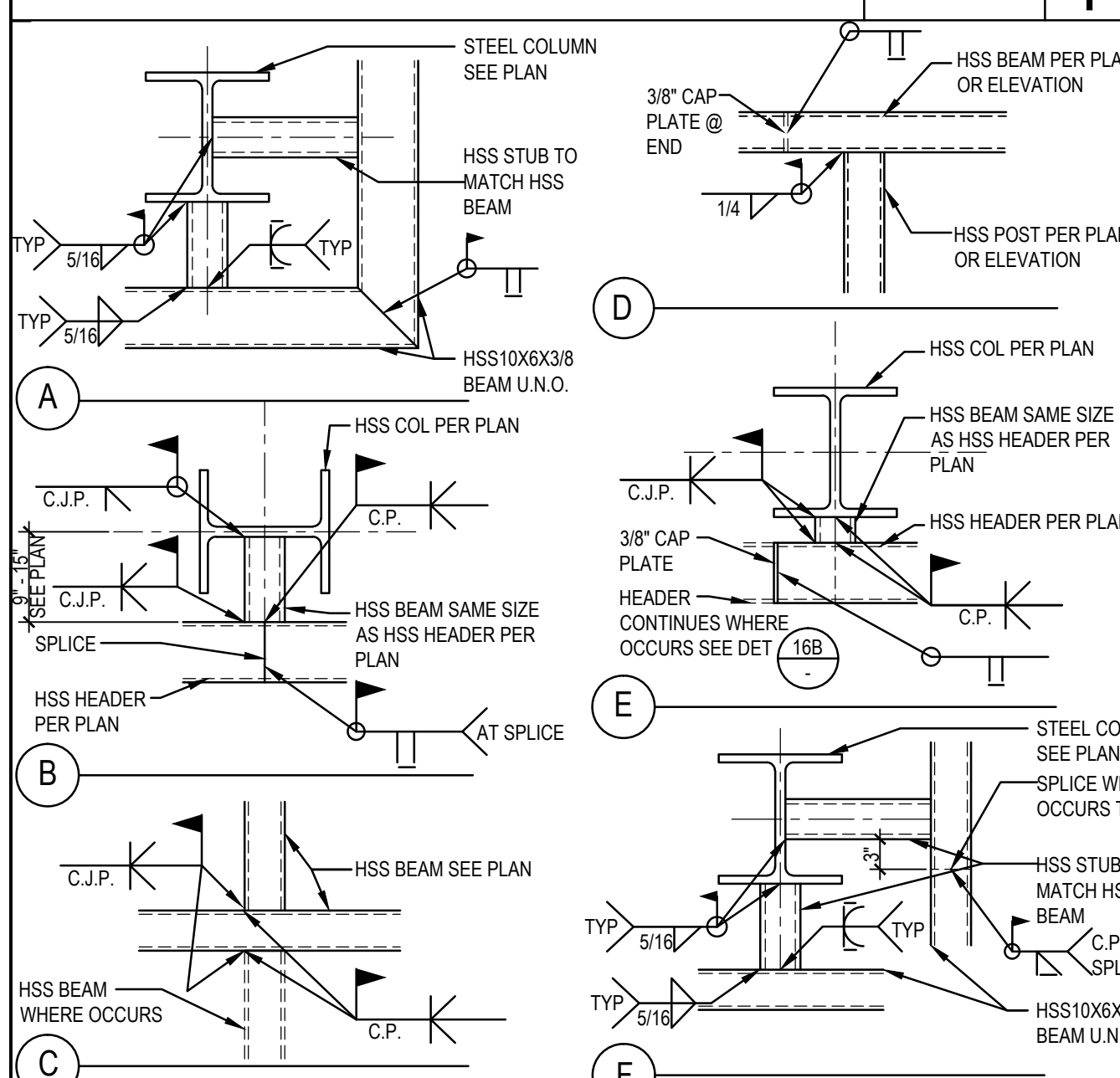
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3/4"=1'-0" 12

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3/4"=1'-0" 14

3/4"=1'-0" 15



3/4"=1'-0" 16

3/4"=1'-0" 17

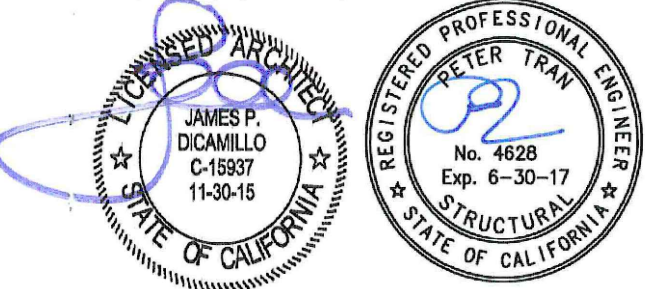
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3/4"=1'-0" 19

N.T.S. 20

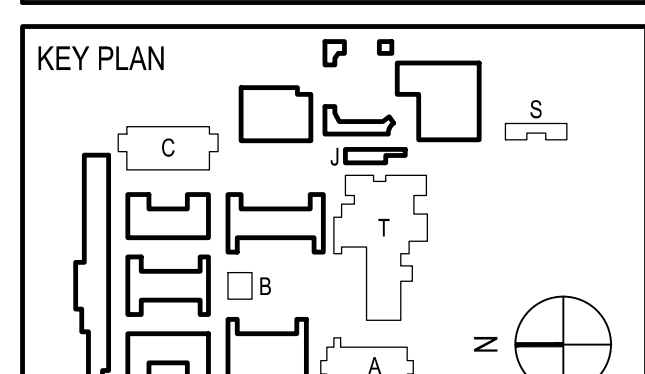
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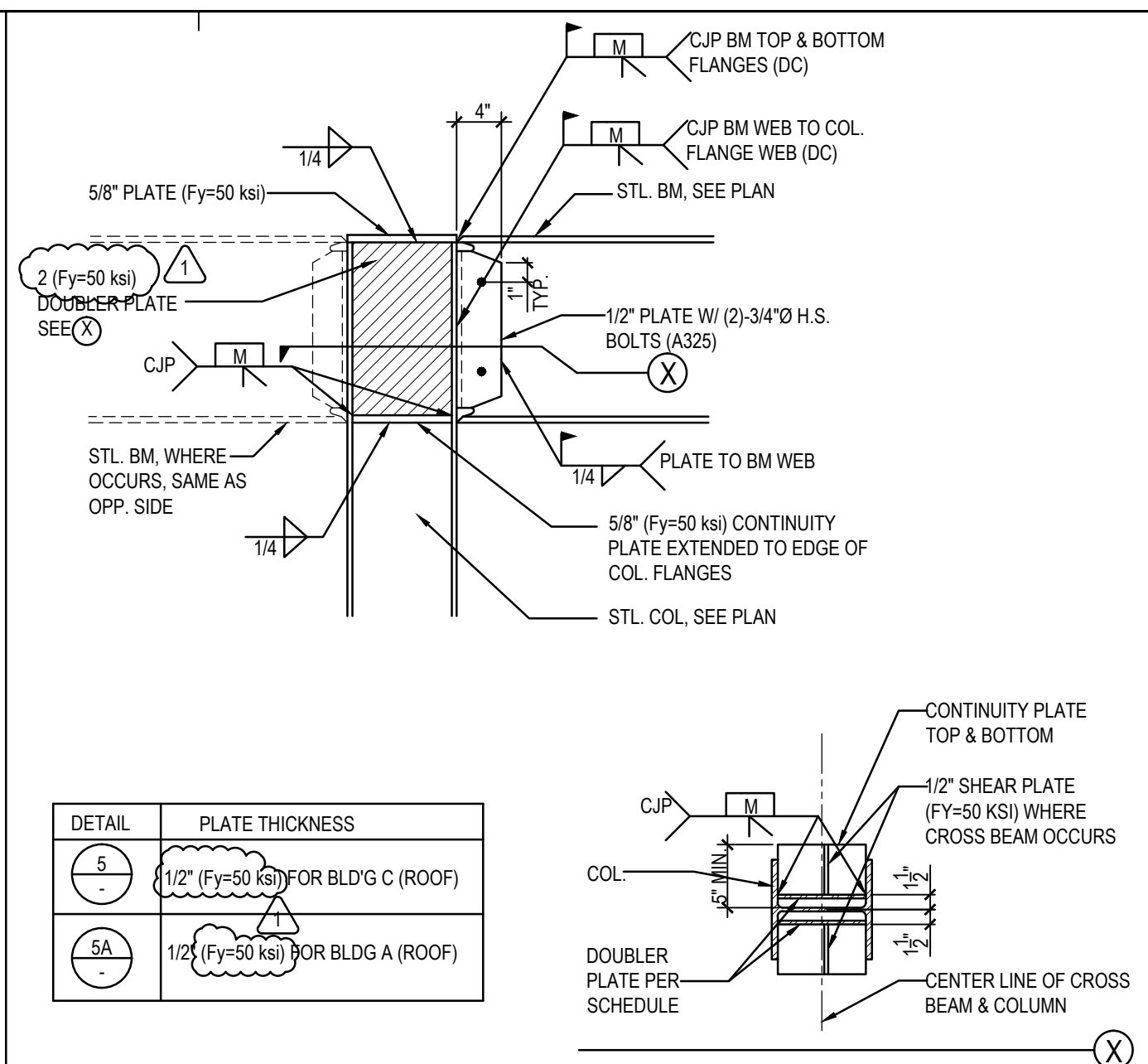
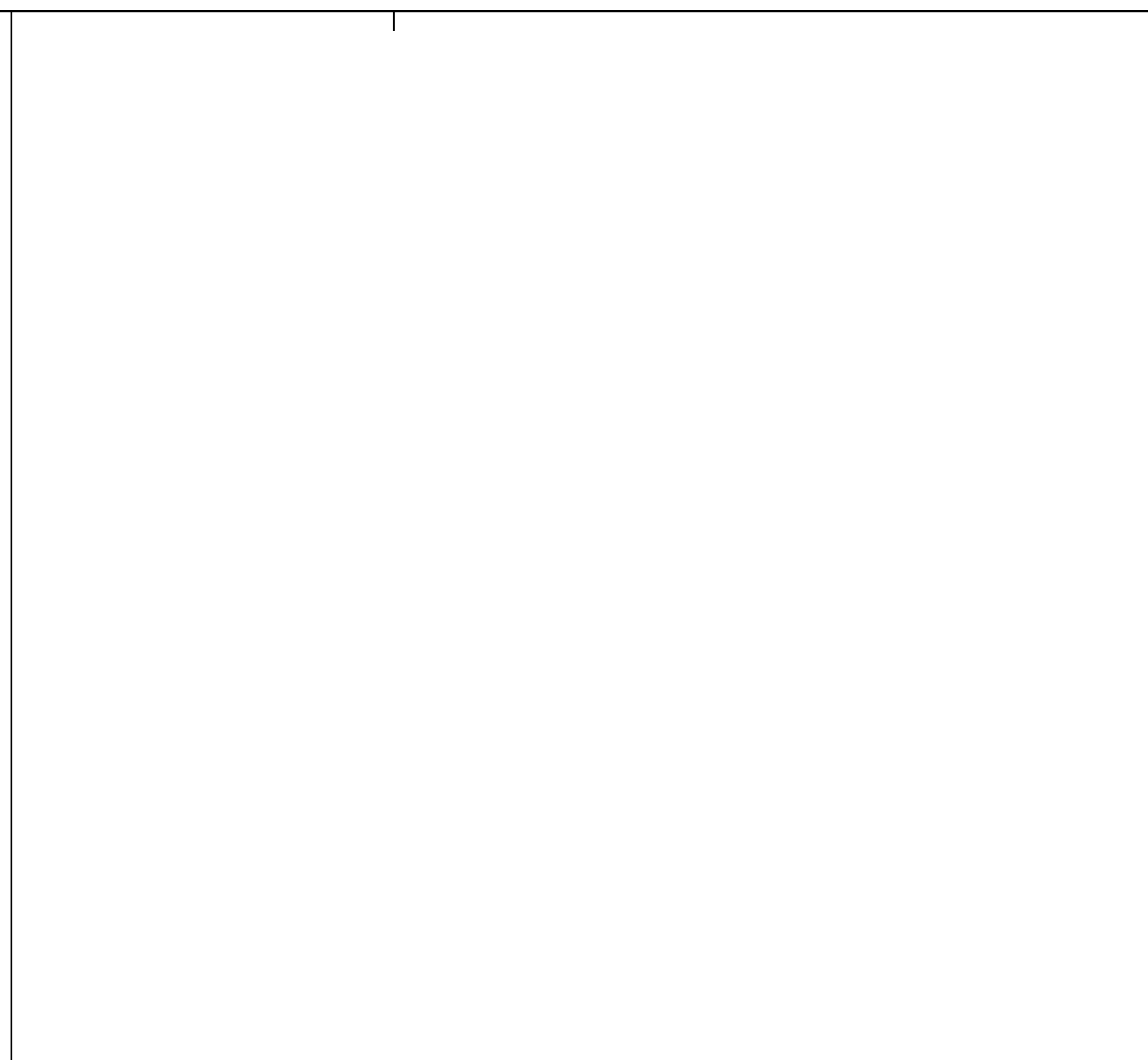
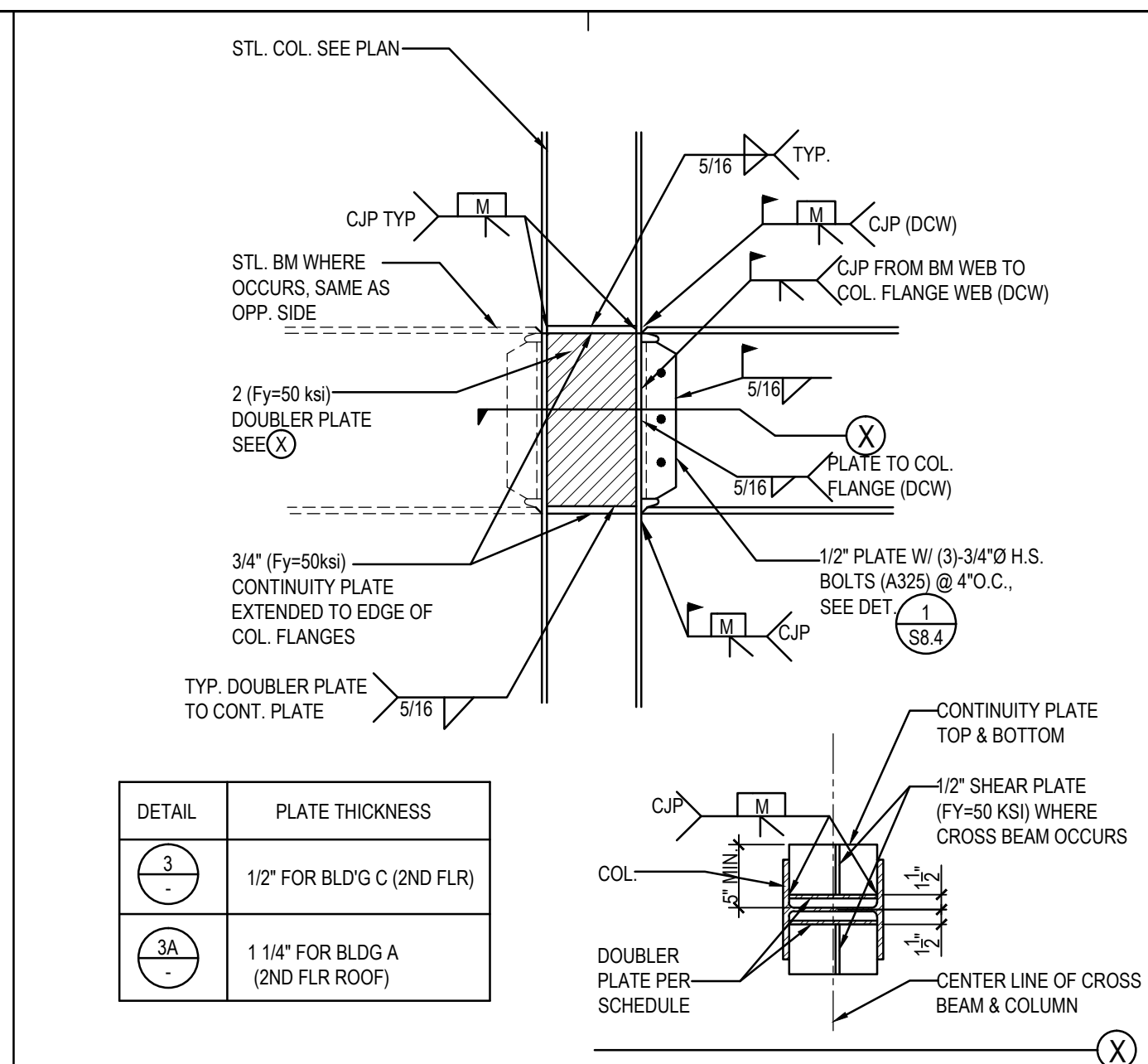
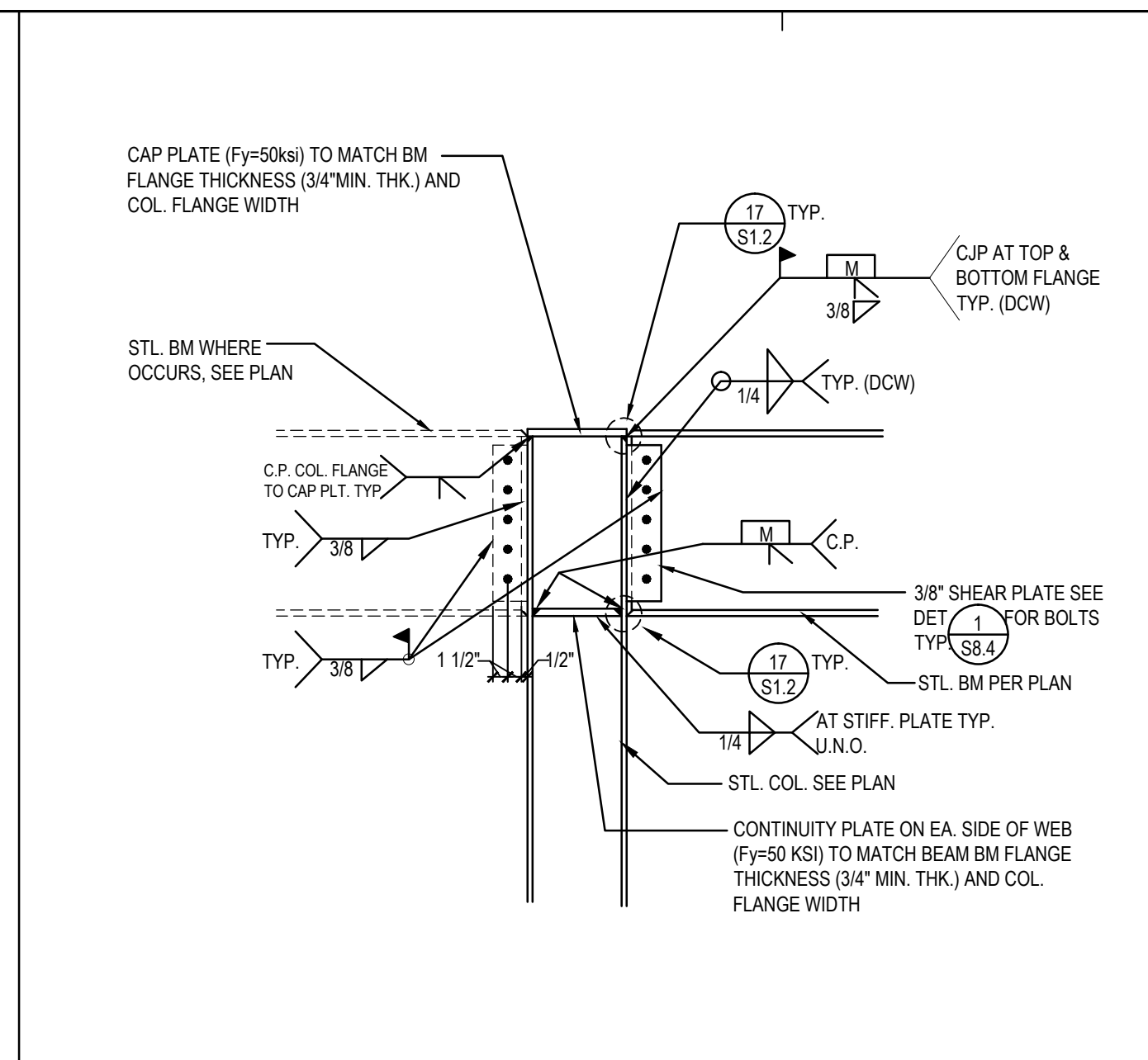
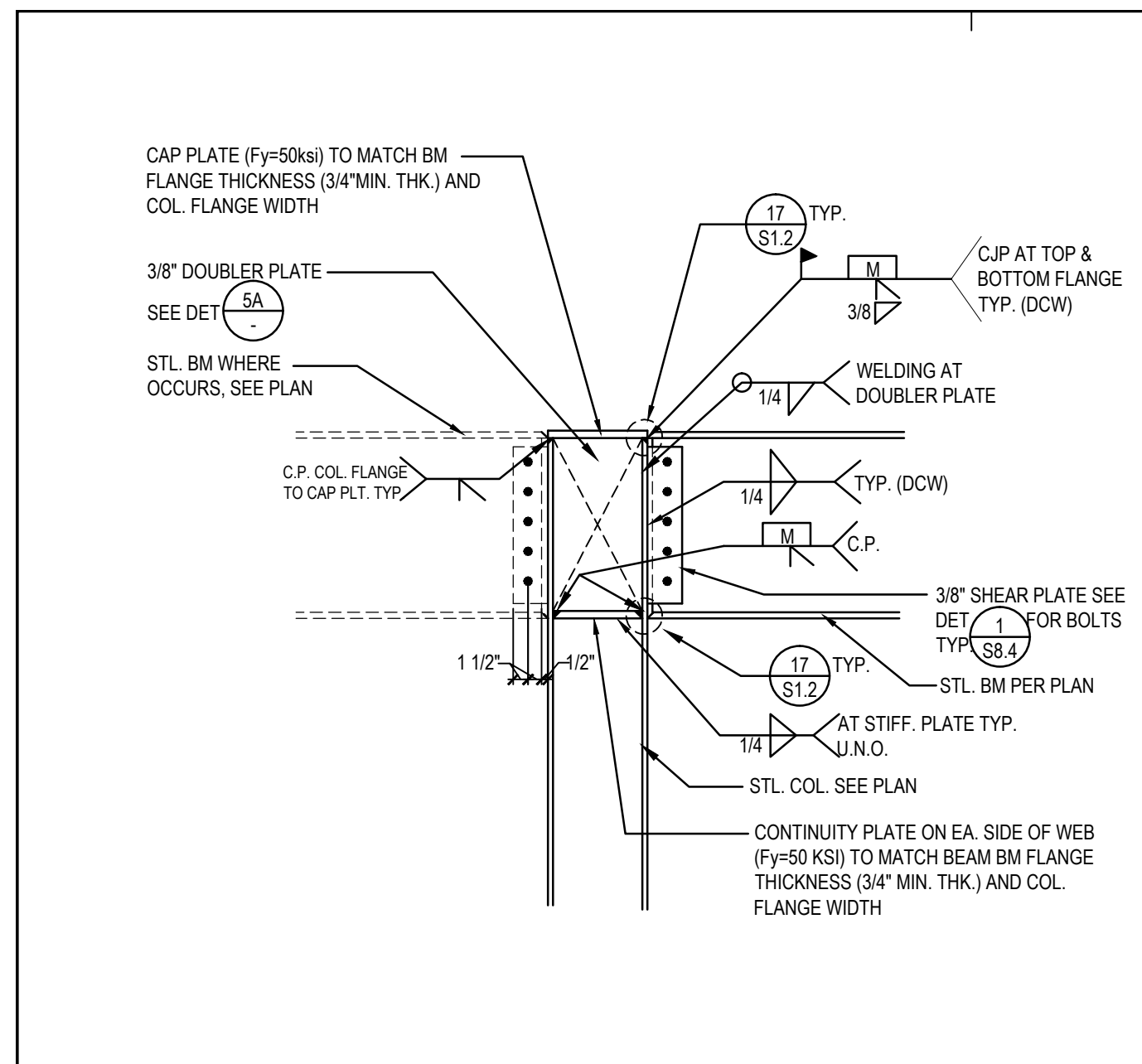
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REVISION SCHEDULE
NO. DATE DESCRIPTION
02/17/2014 100% DESIGN DEVELOPMENT
05/08/2014 90% CD PROGRESS
05/29/2014 DSA SUBMITTAL
04/08/2015 DSA BACKCHECK
12/12/2015 ADDENDUM 1



DRWN: IDK CHKD: PT
DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

DETAILS
DRAWING NUMBER: **S8.4**



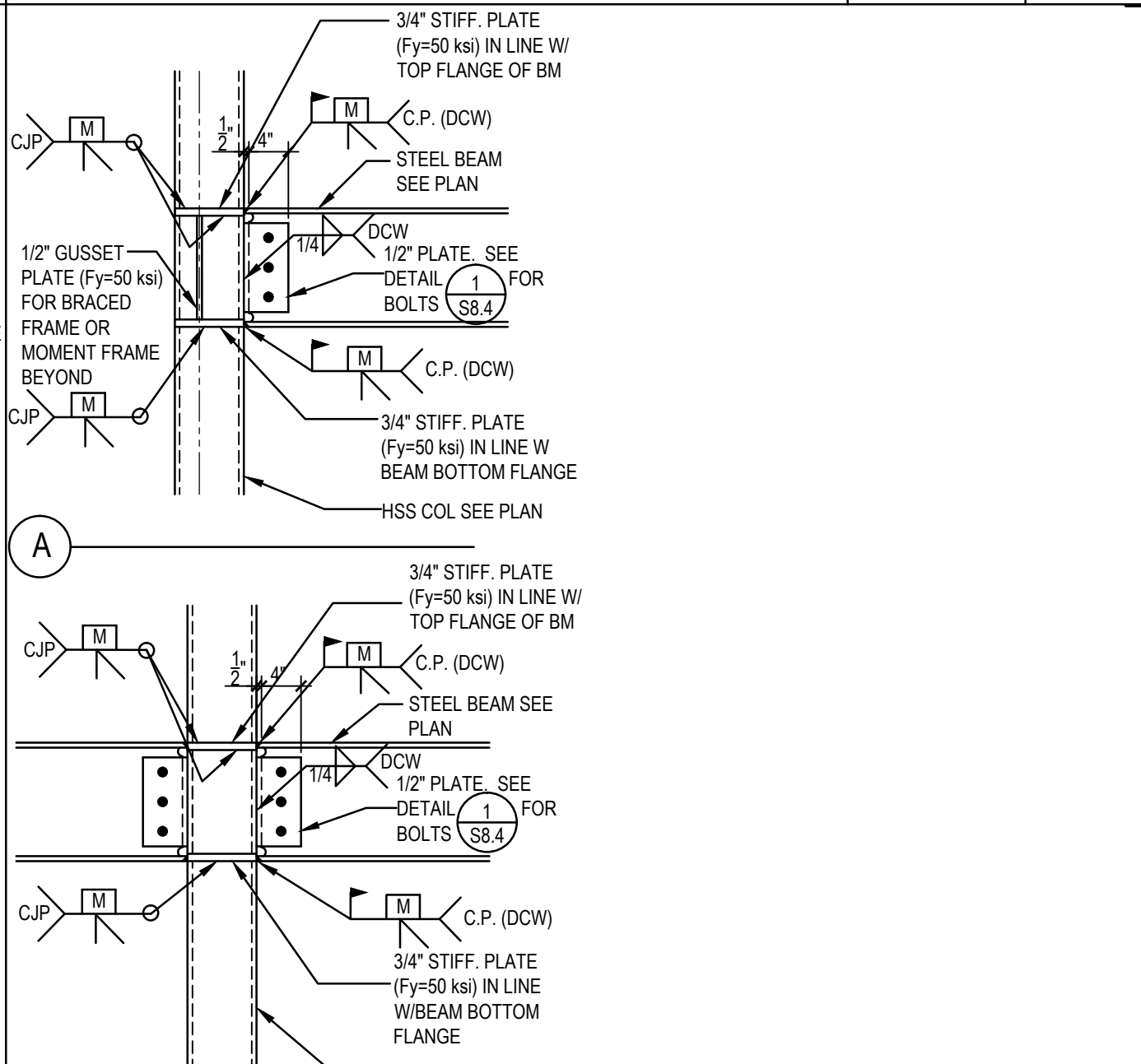
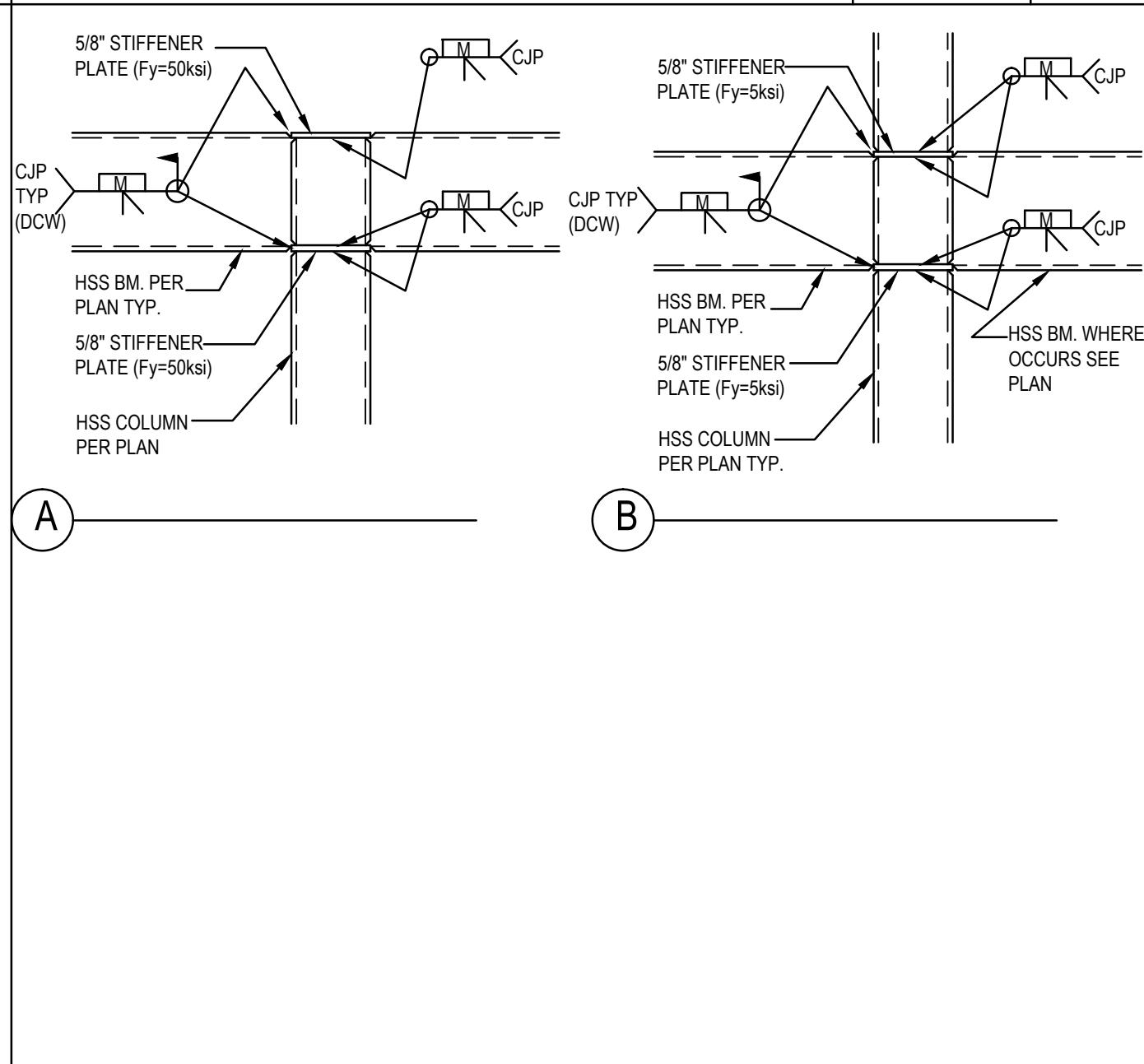
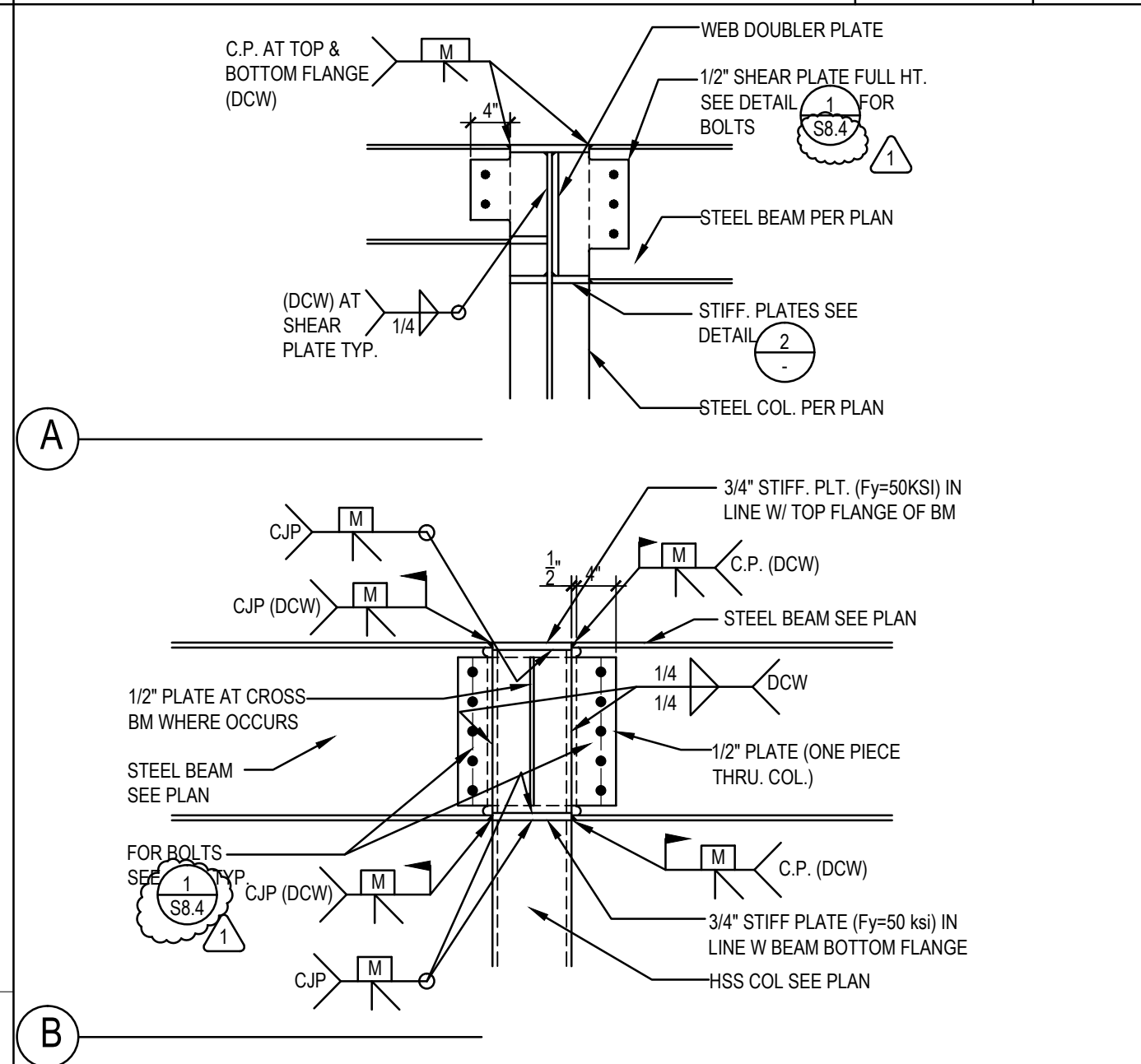
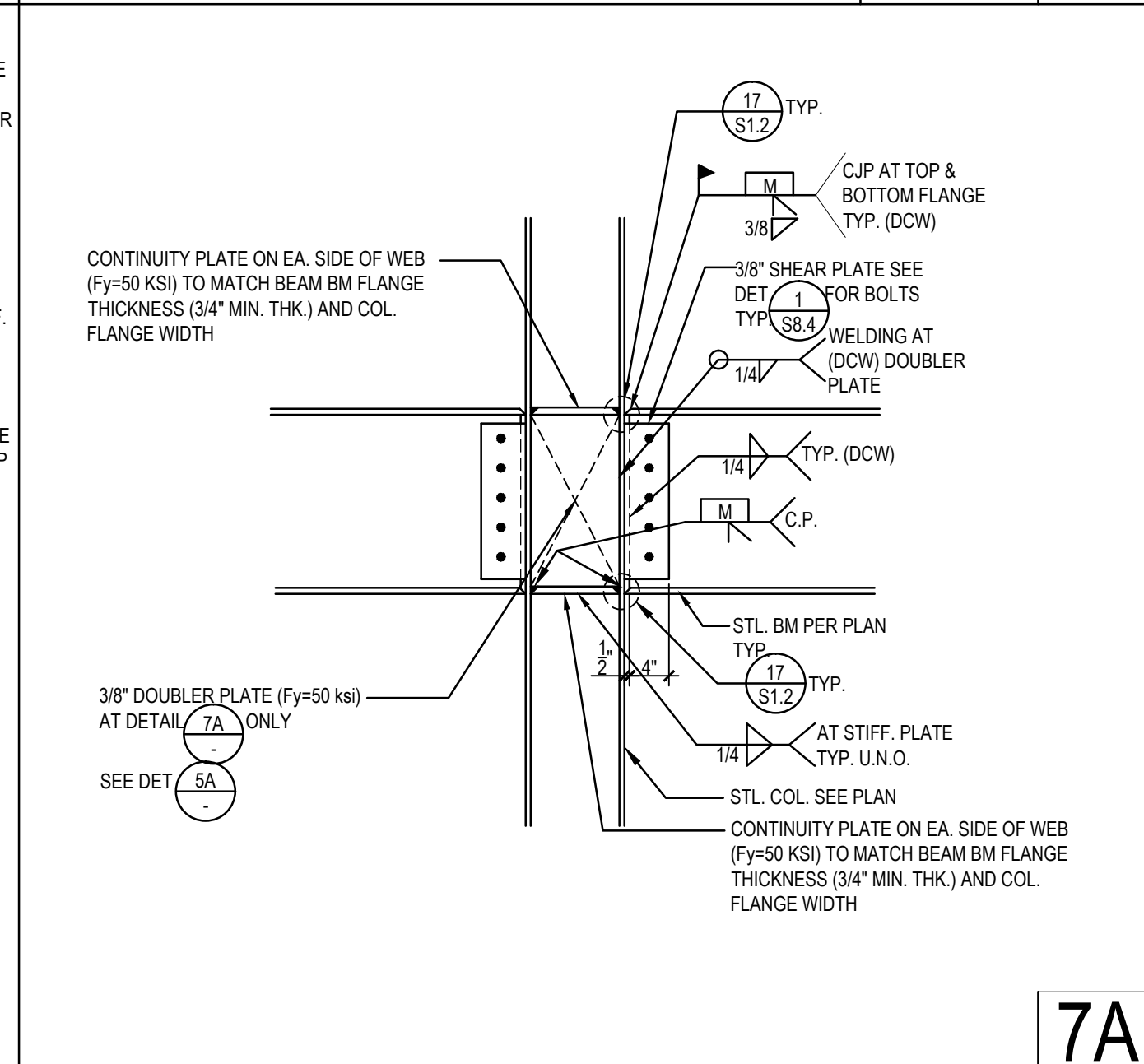
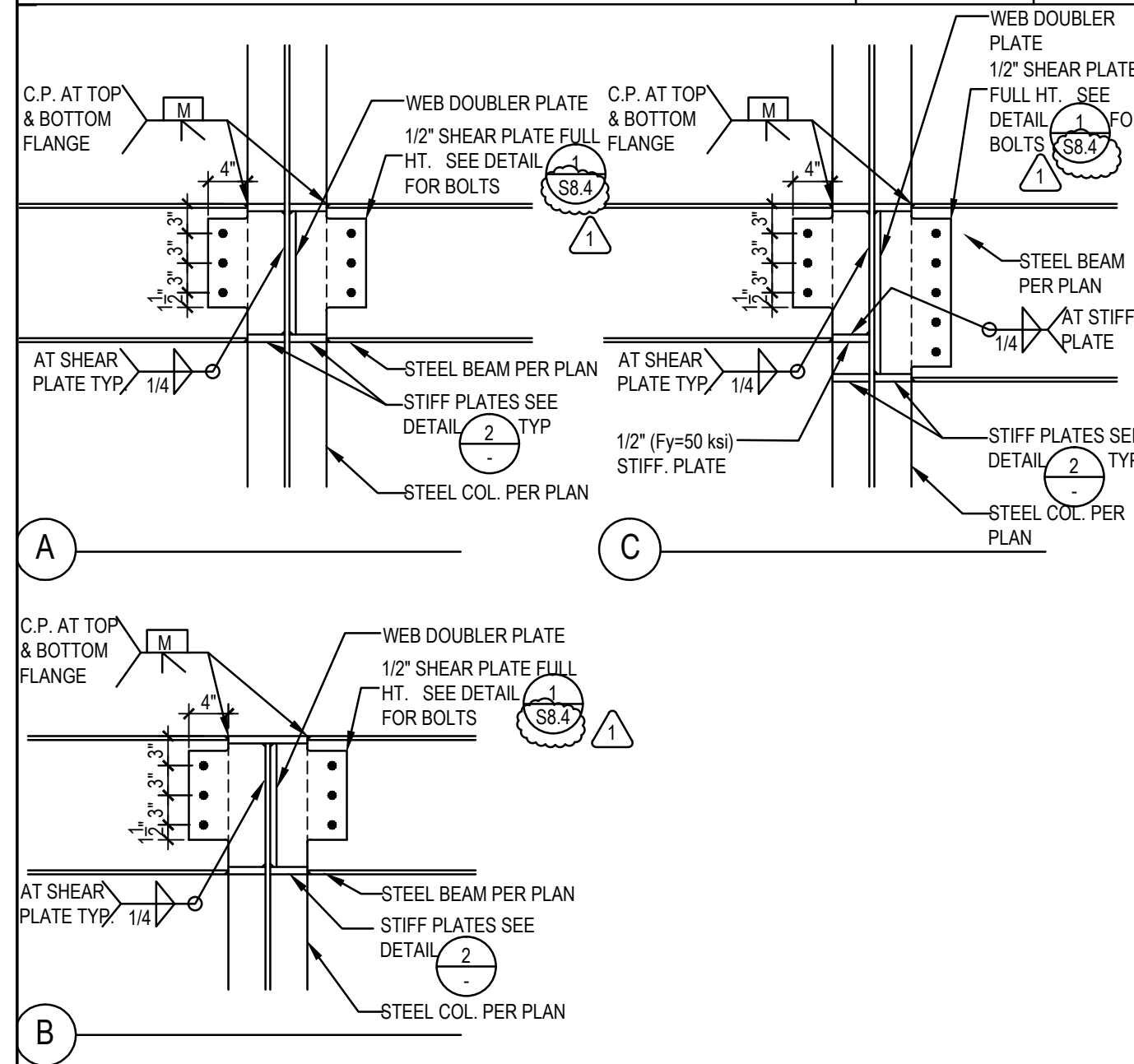
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OMF JOINT 3/4"=1'-0" 2

SPECIAL MOMENT FRAME JOINT 3/4"=1'-0" 3

SPECIAL MOMENT FRAME JOINT 3/4"=1'-0" 4

SPECIAL MOMENT FRAME JOINT 3/4"=1'-0" 5



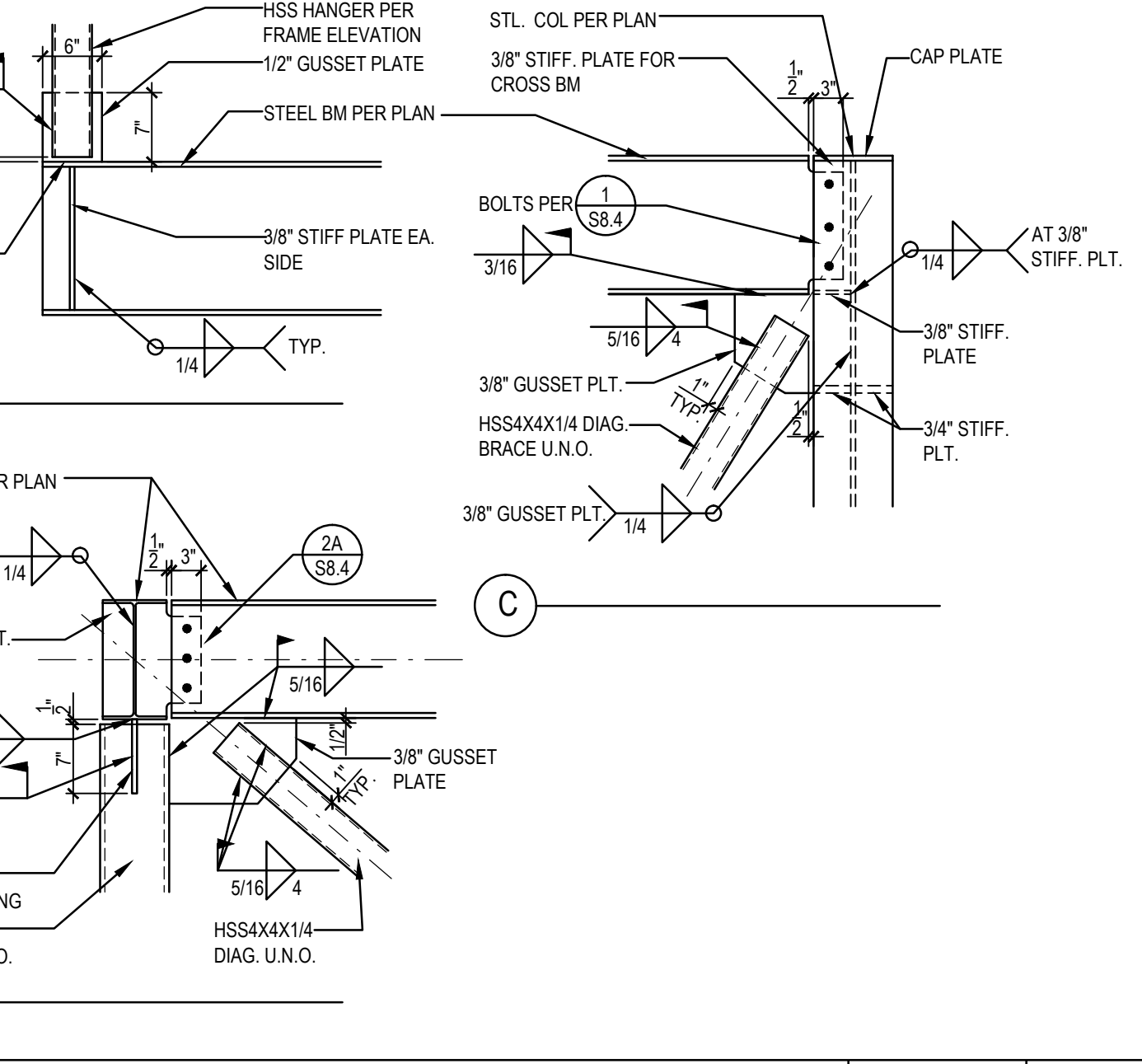
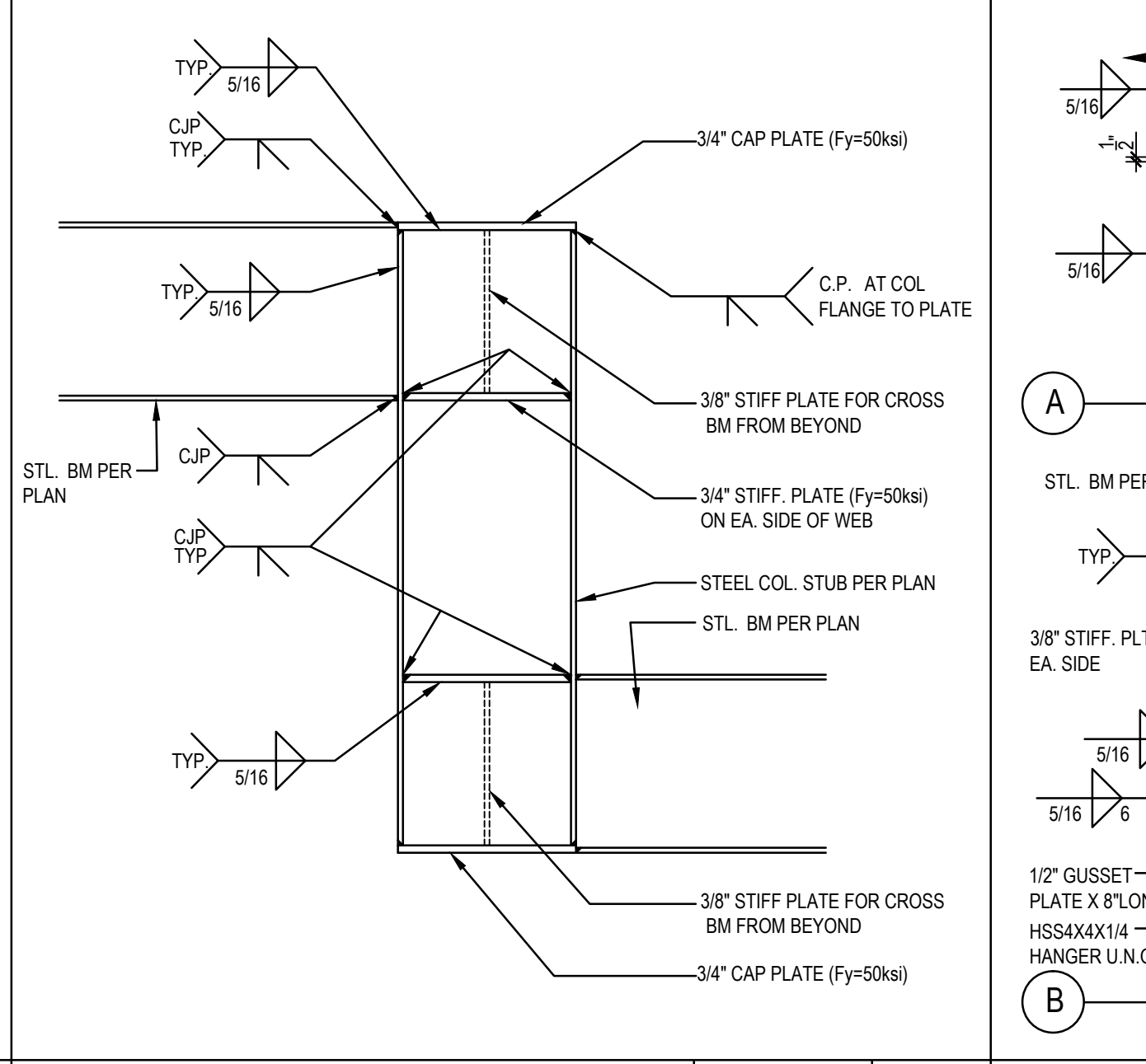
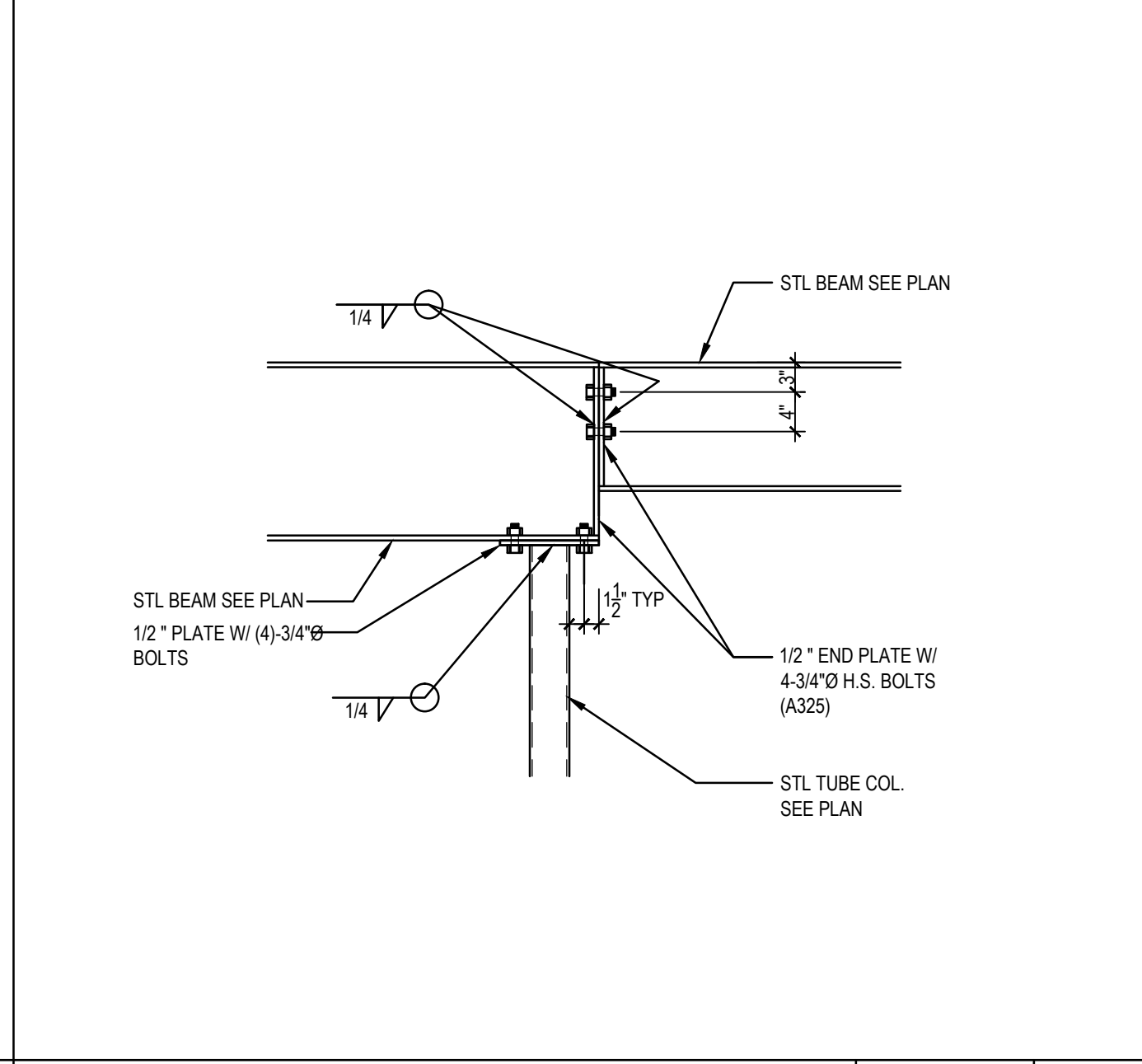
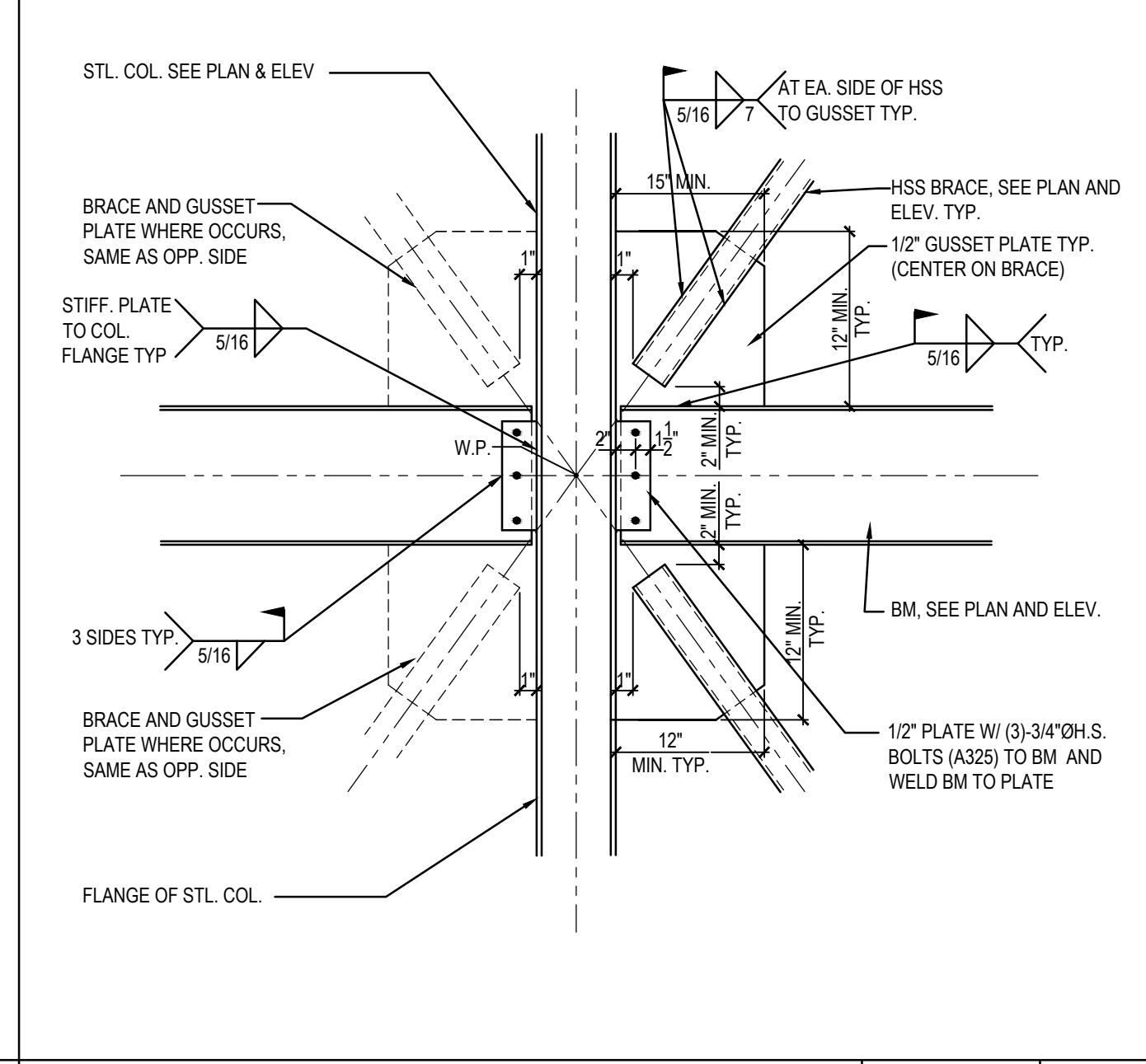
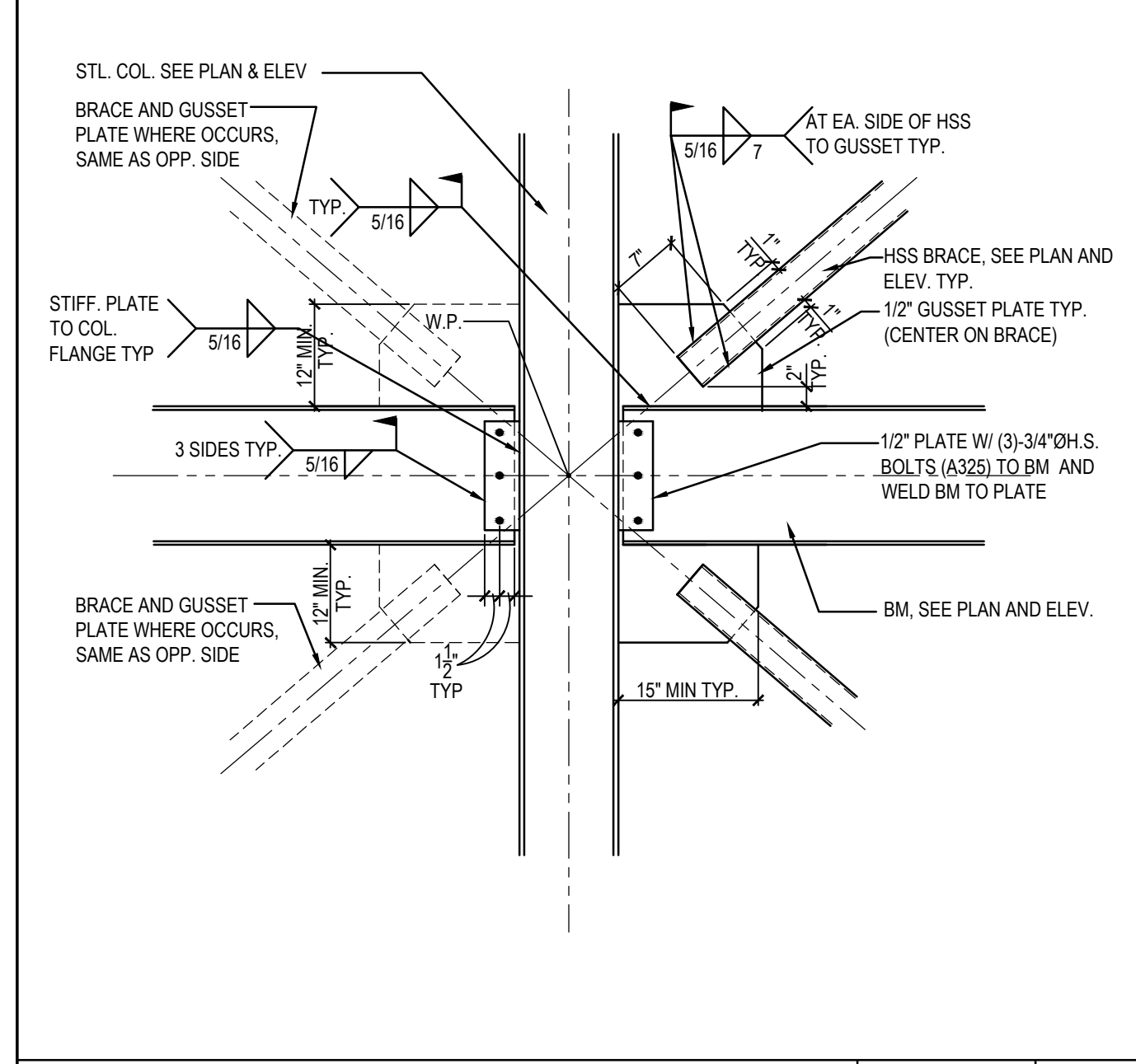
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OMF JOINT 3/4"=1'-0" 7A

SPECIAL MOMENT FRAME JOINT 3/4"=1'-0" 8

ORDINARY MOMENT FRAME JOINT 3/4"=1'-0" 9

ORDINARY MOMENT FRAME JOINT 3/4"=1'-0" 10



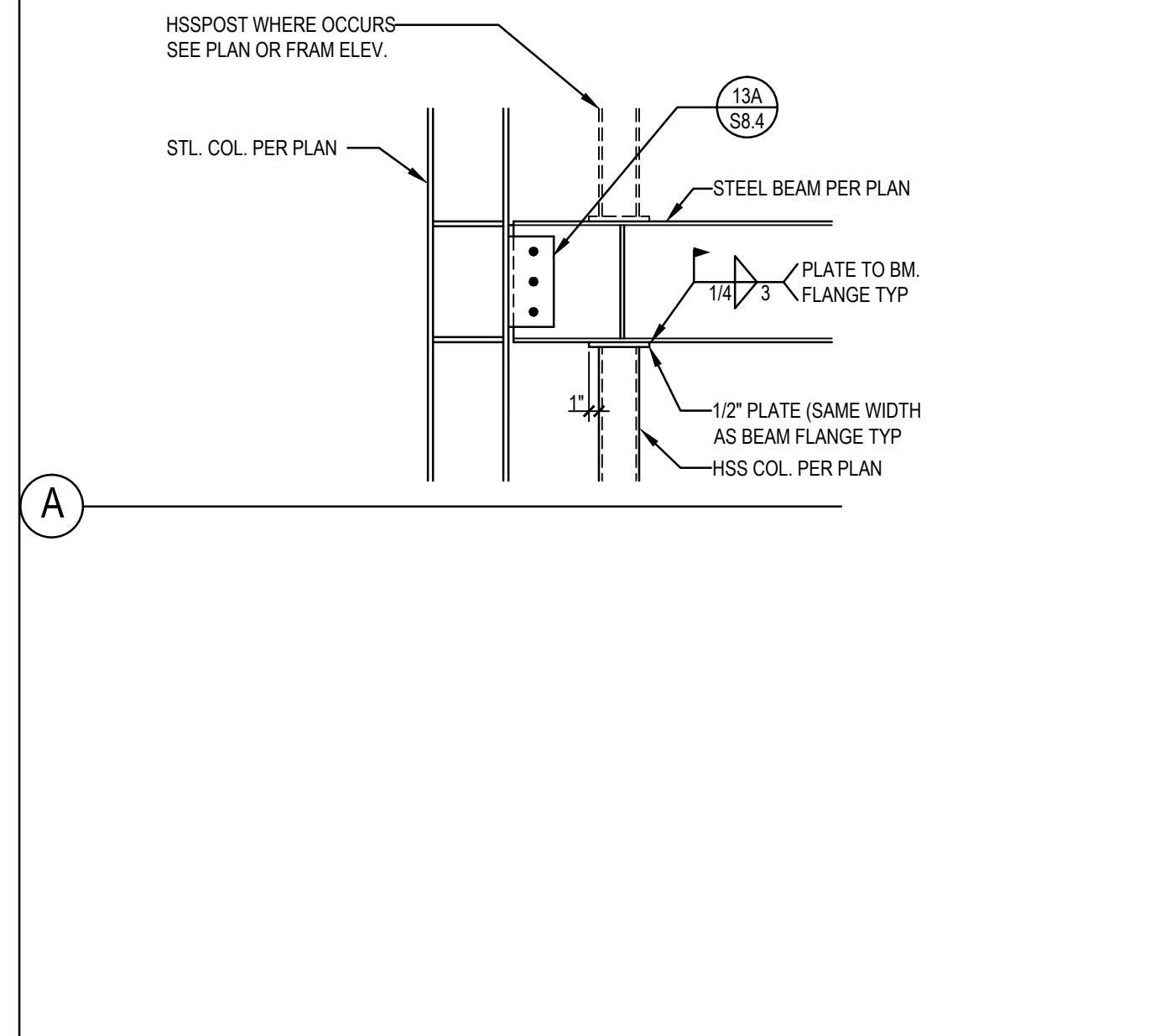
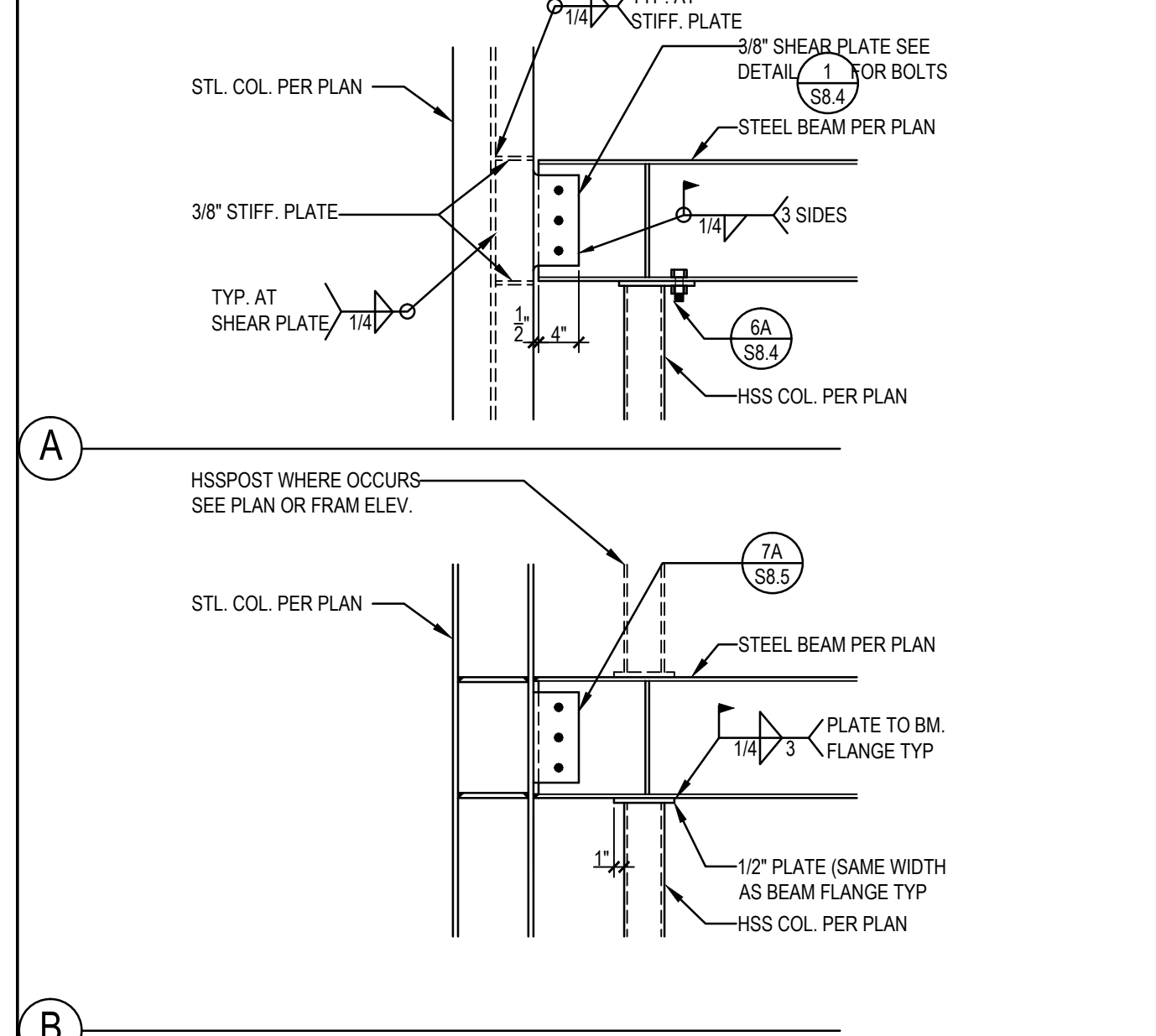
BRACE AND GUSSET PLATE 3/4"=1'-0" 11

BRACE AND GUSSET PLATE 3/4"=1'-0" 12

BRACE AND GUSSET PLATE 3/4"=1'-0" 13

BRACE AND GUSSET PLATE 3/4"=1'-0" 14

BRACE AND GUSSET PLATE 3/4"=1'-0" 15



BRACE AND GUSSET PLATE 3/4"=1'-0" 16

BRACE AND GUSSET PLATE 3/4"=1'-0" 17

BRACE AND GUSSET PLATE 3/4"=1'-0" 18

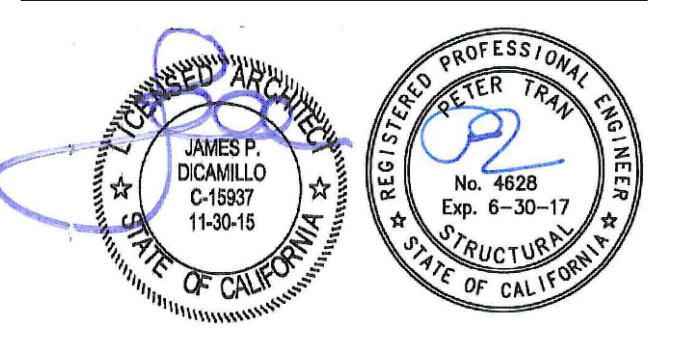
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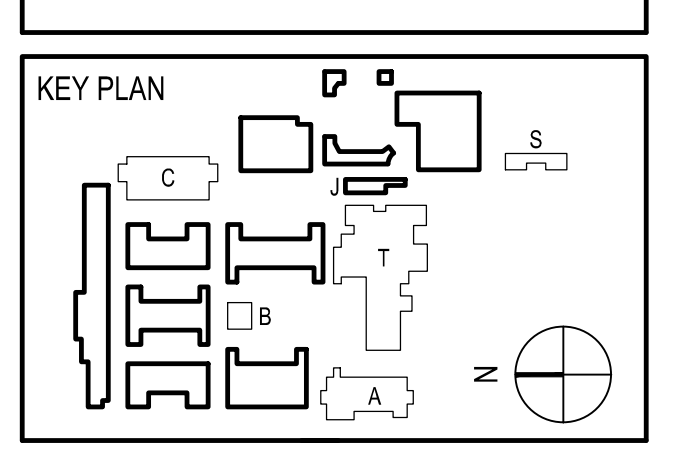
SOUTHERN CALIFORNIA
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 (909) 944-7983 FAX

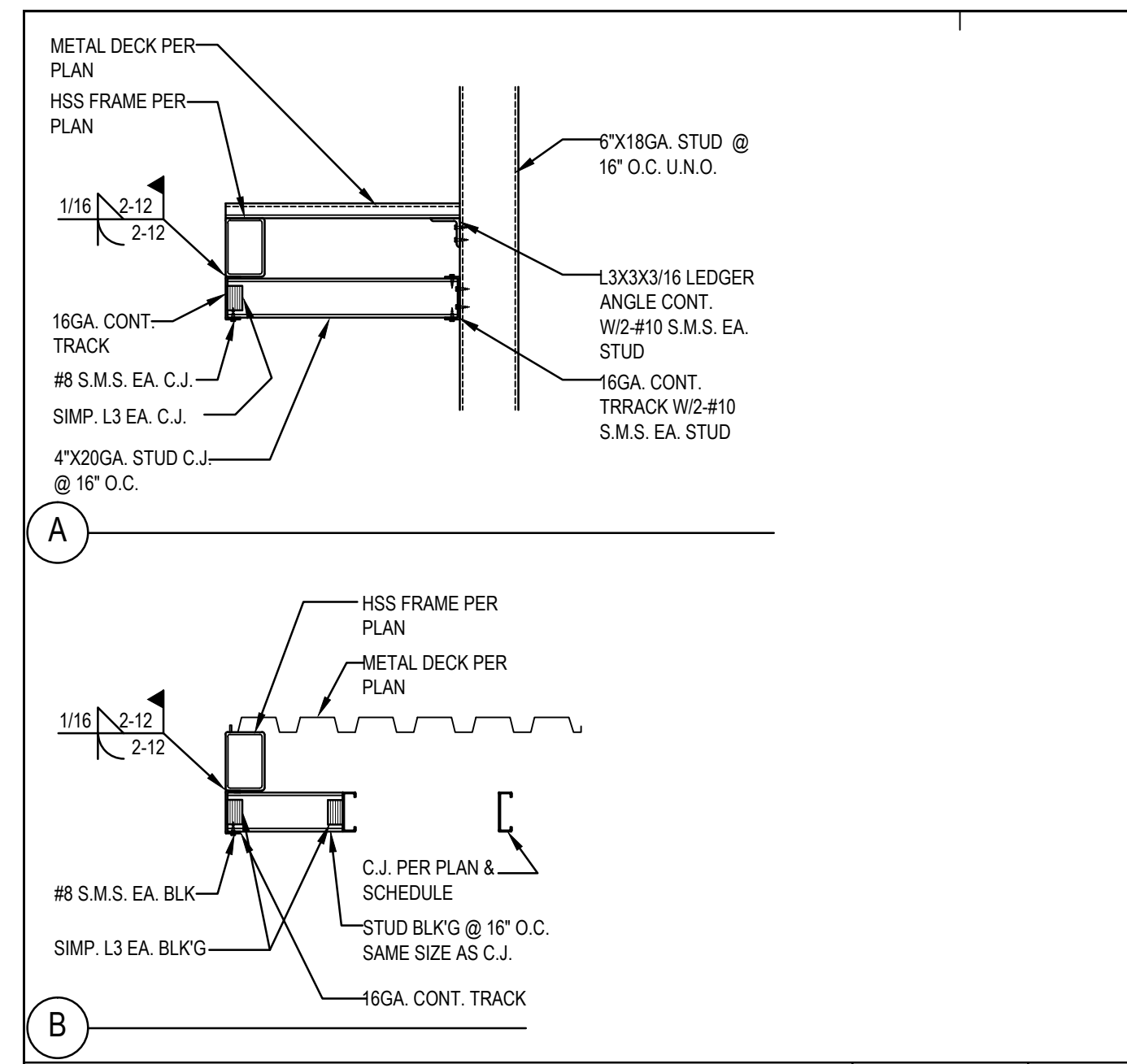
REGISTRATION BOARD
 OFFICE OF REGULATION SERVICES
 APPL 03-115771
 AC: FLS: SS:
 FILE: 19-H54
 DATE:



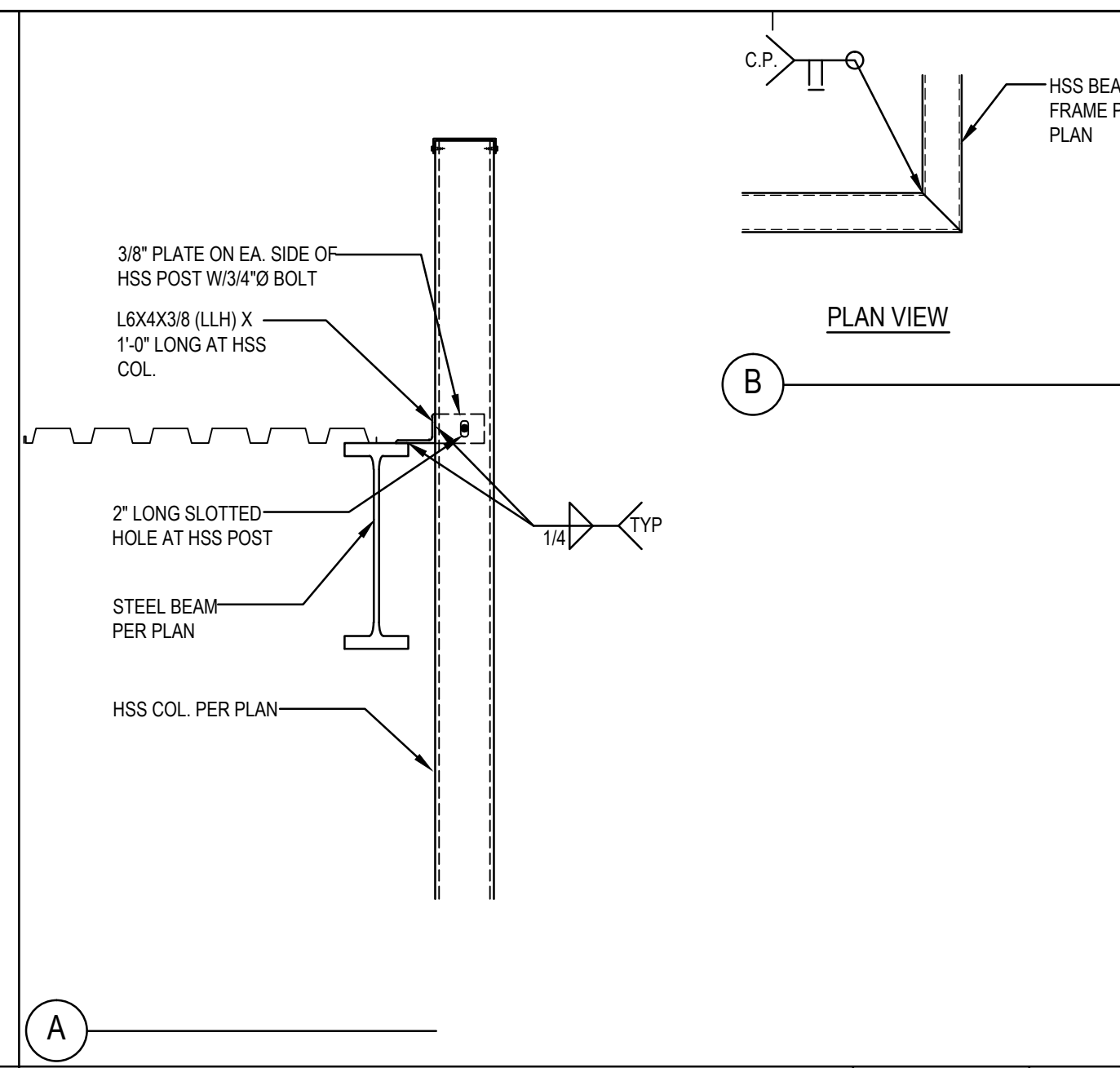
REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACKCHECK	
12/12/2015	ADDENDUM 1	

DRWN: IDK CHKD: PT
 DATE: 4/8/15 SCALE: AS NOTED
 PROJECT NUMBER: 1310700

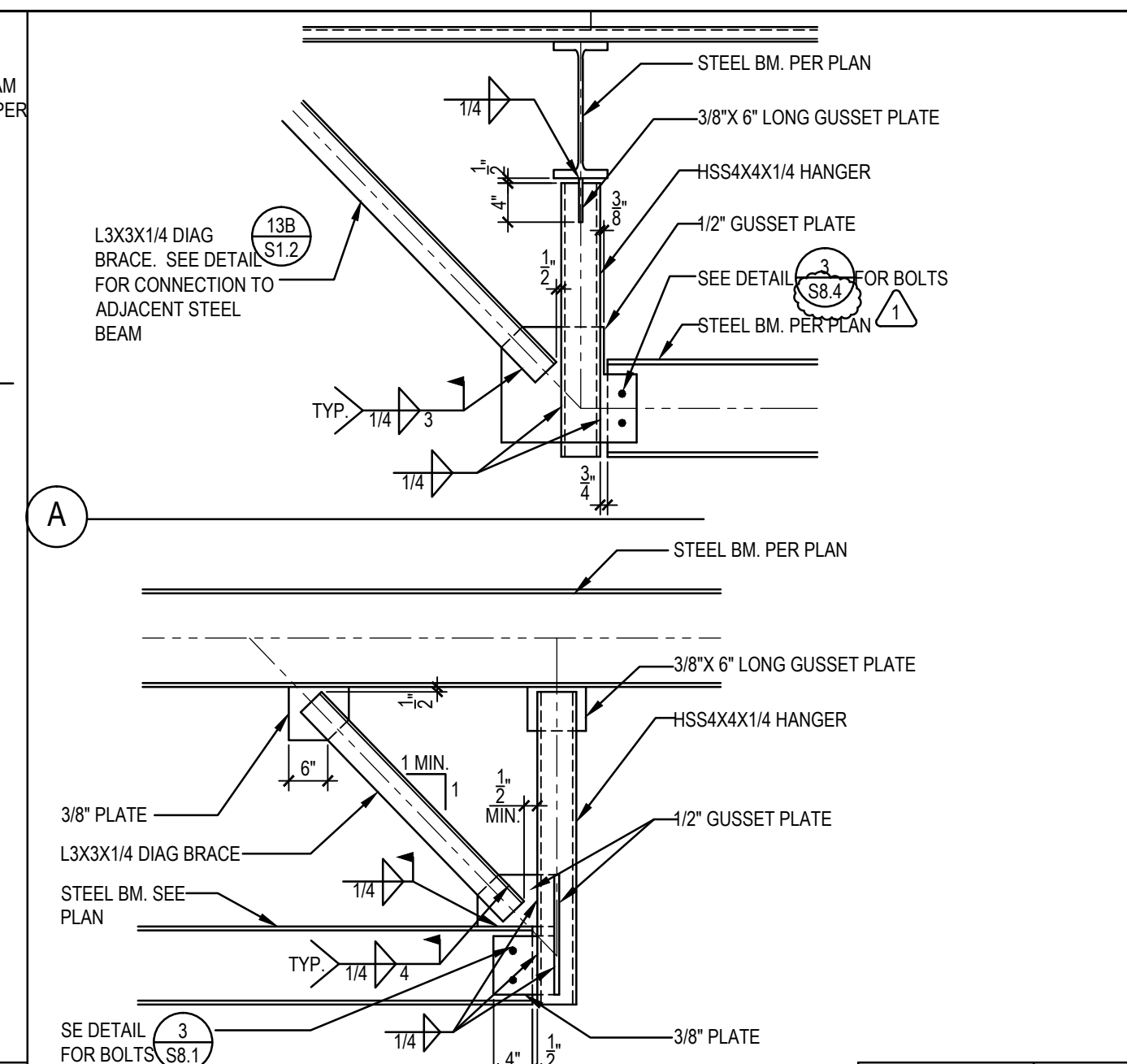
DETAILS
 DRAWING NUMBER: **S8.5**



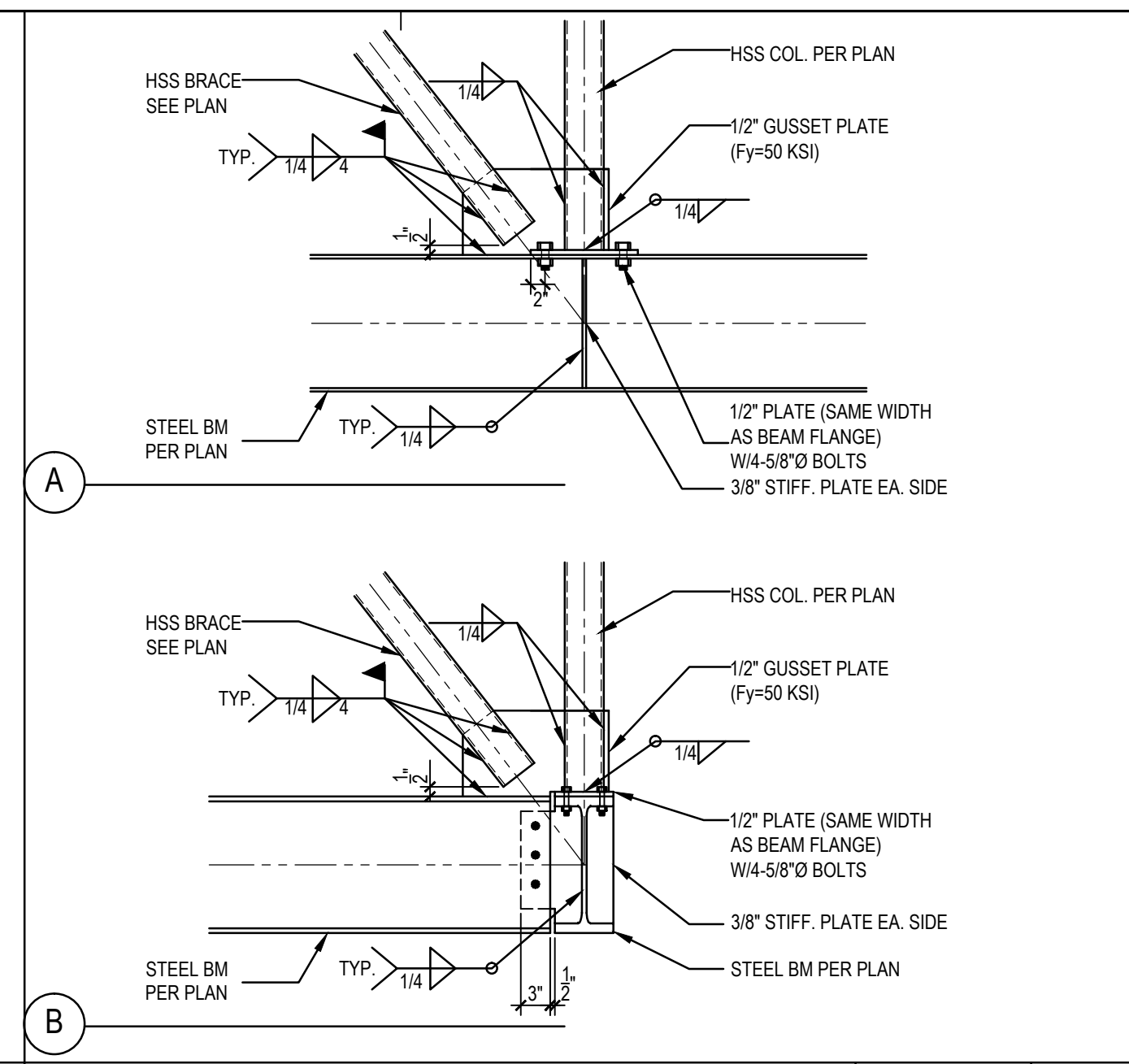
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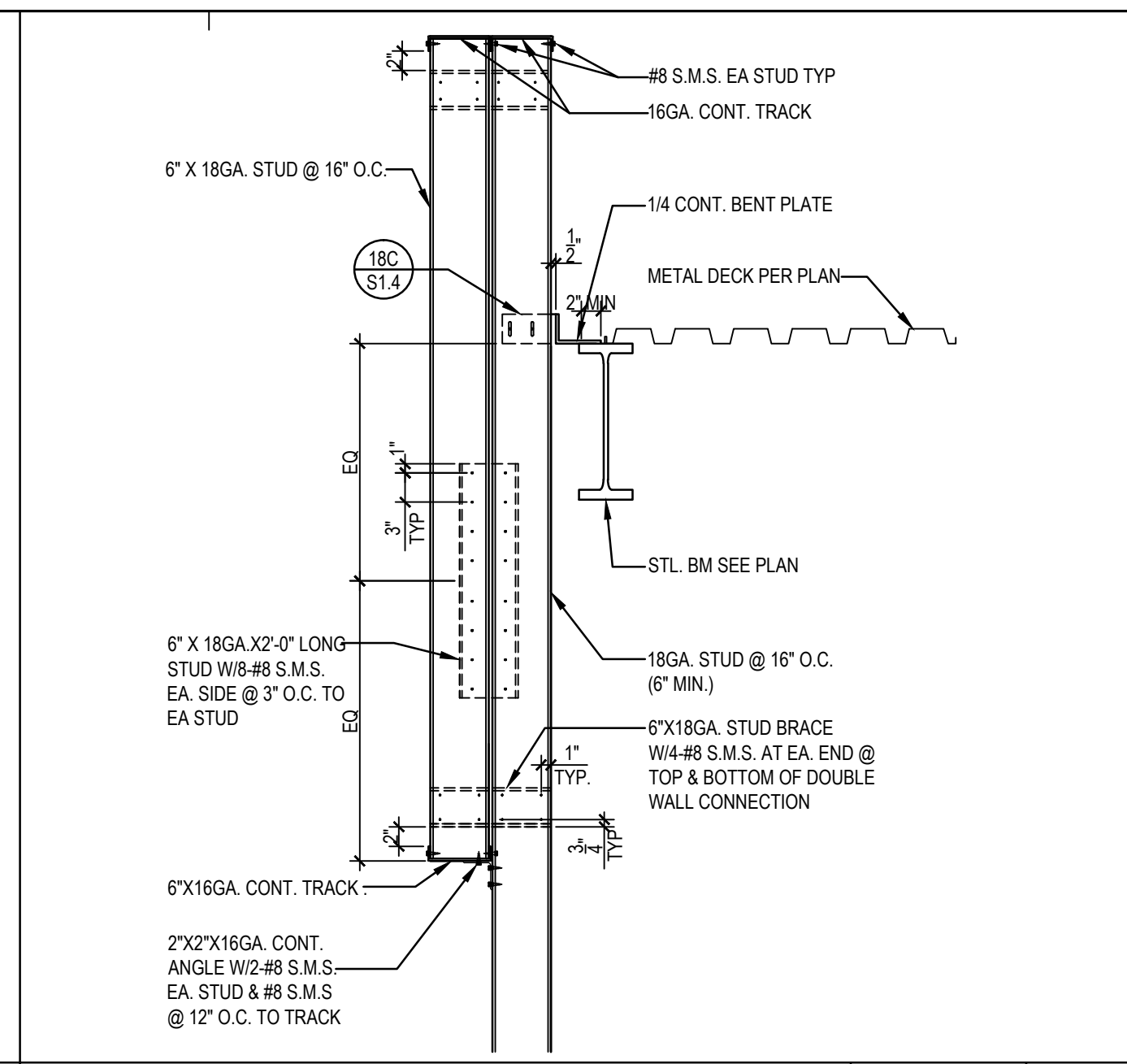
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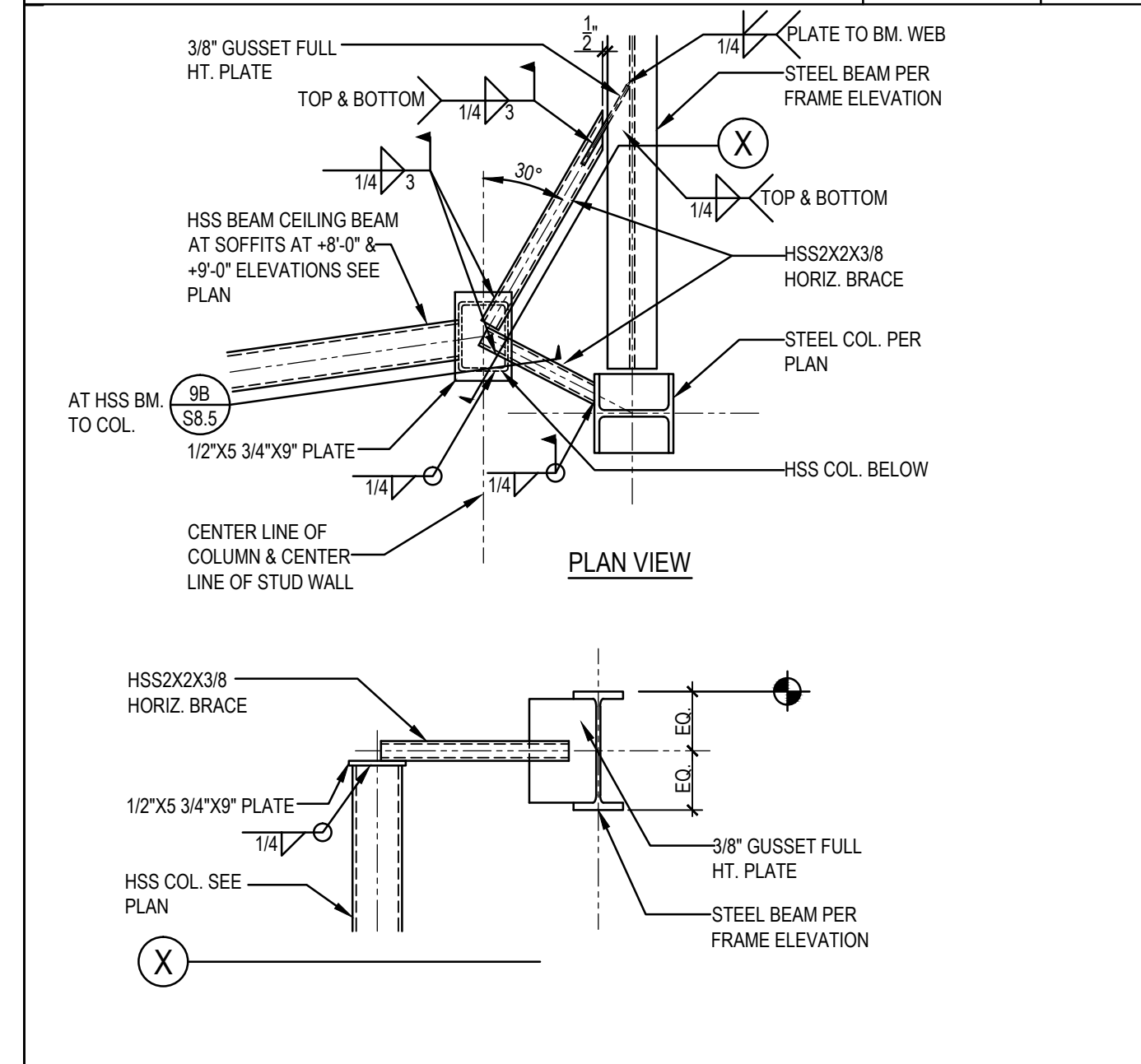
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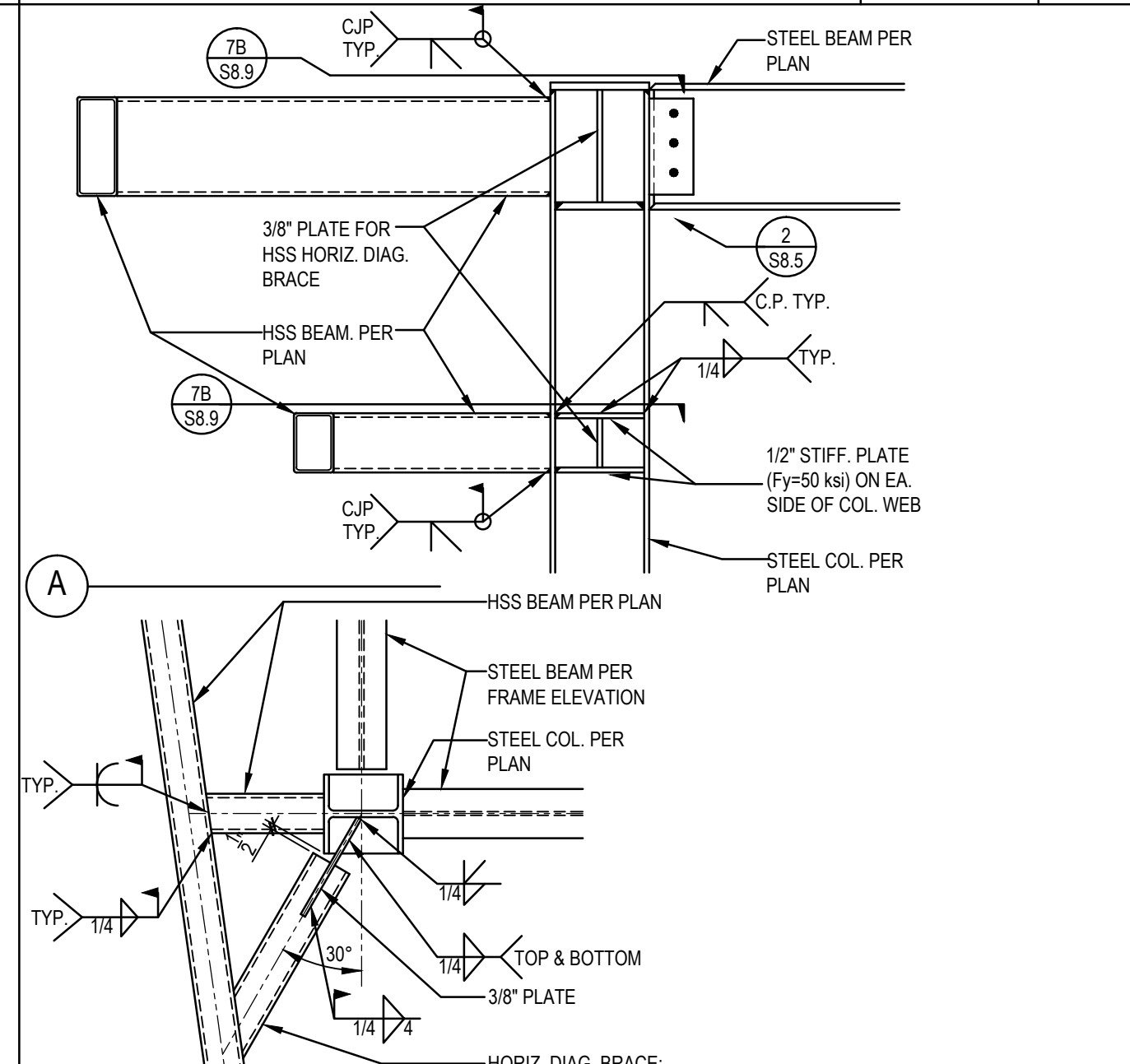
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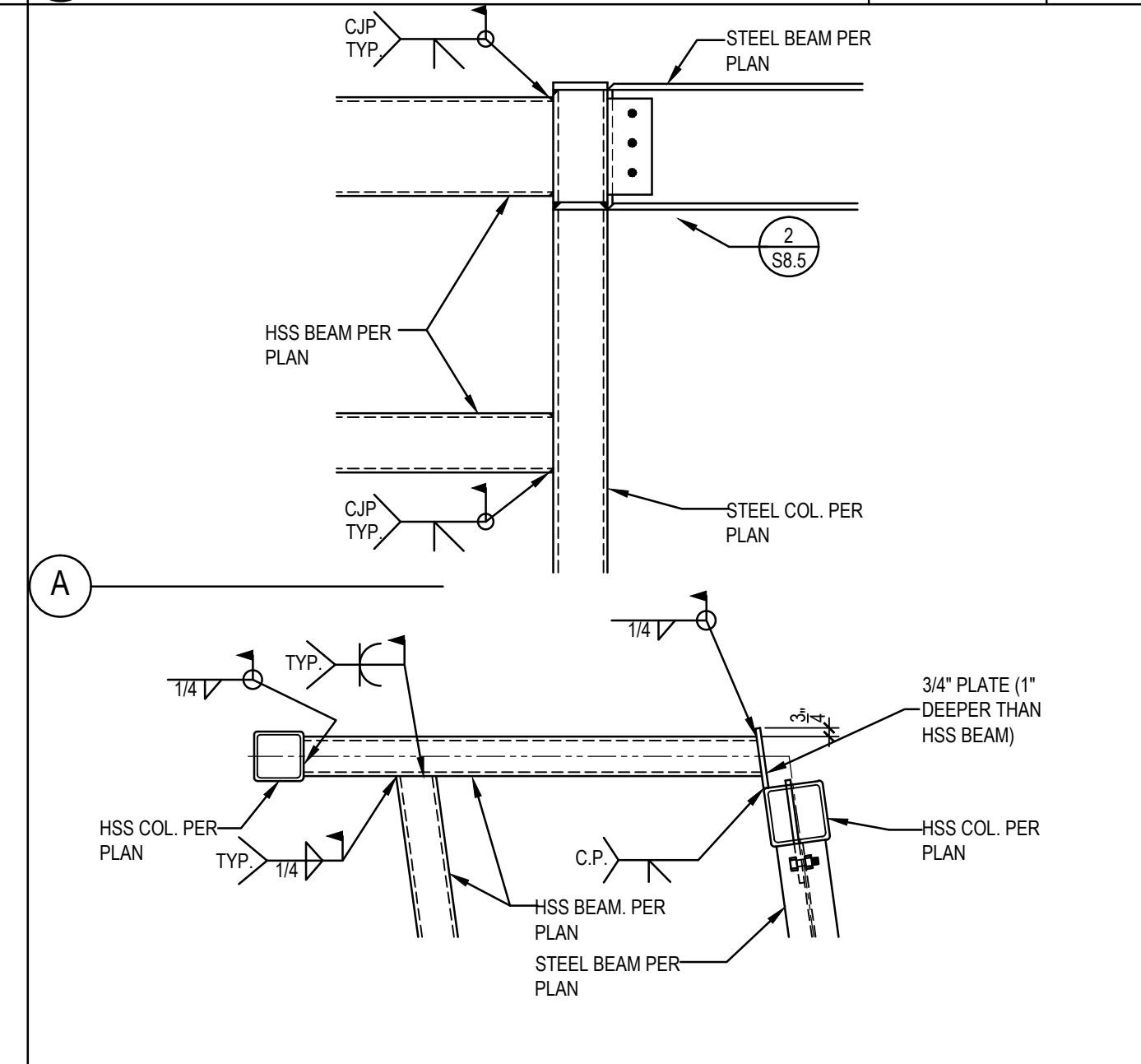
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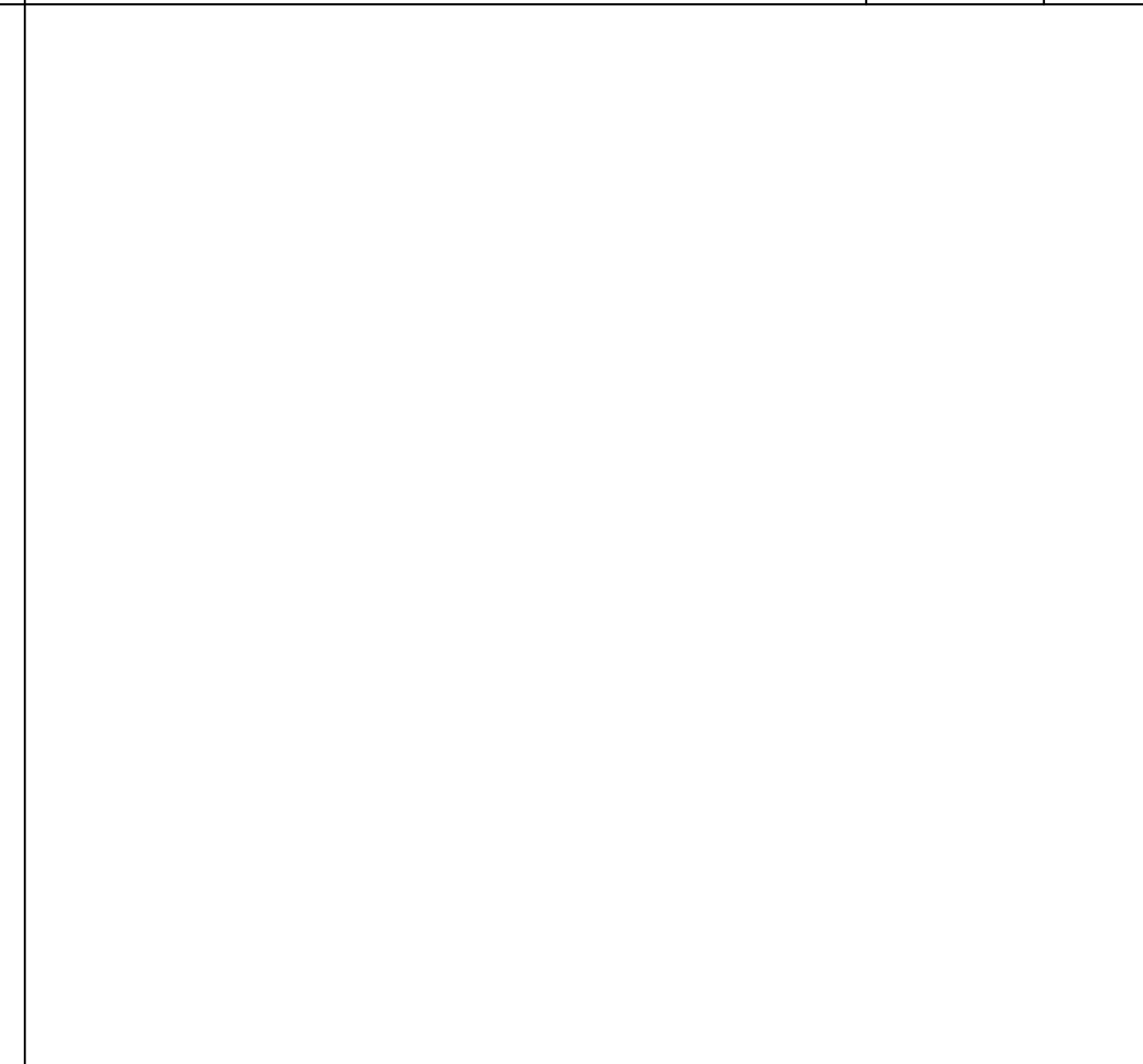
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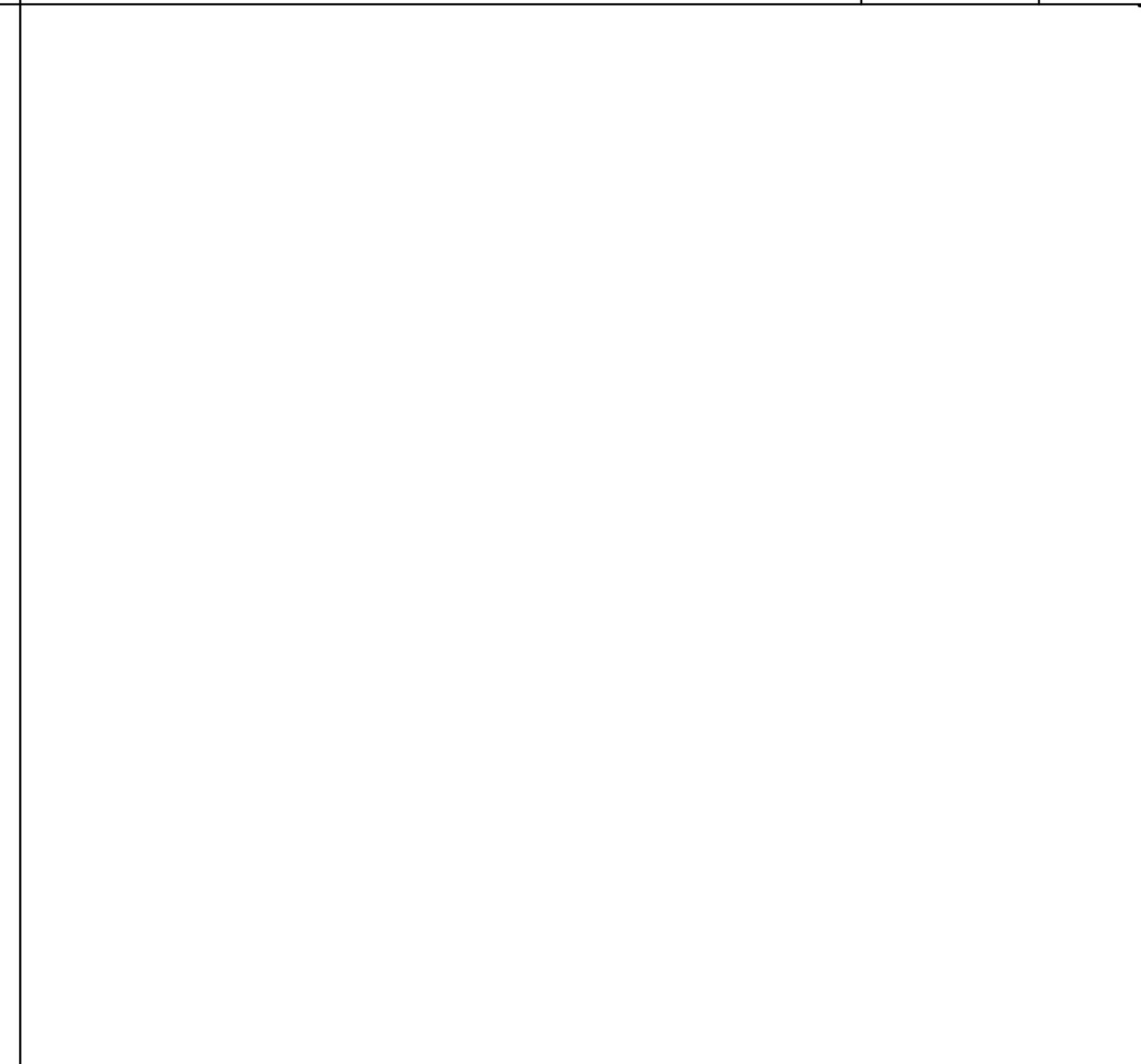
3/4"=1'-0" 7



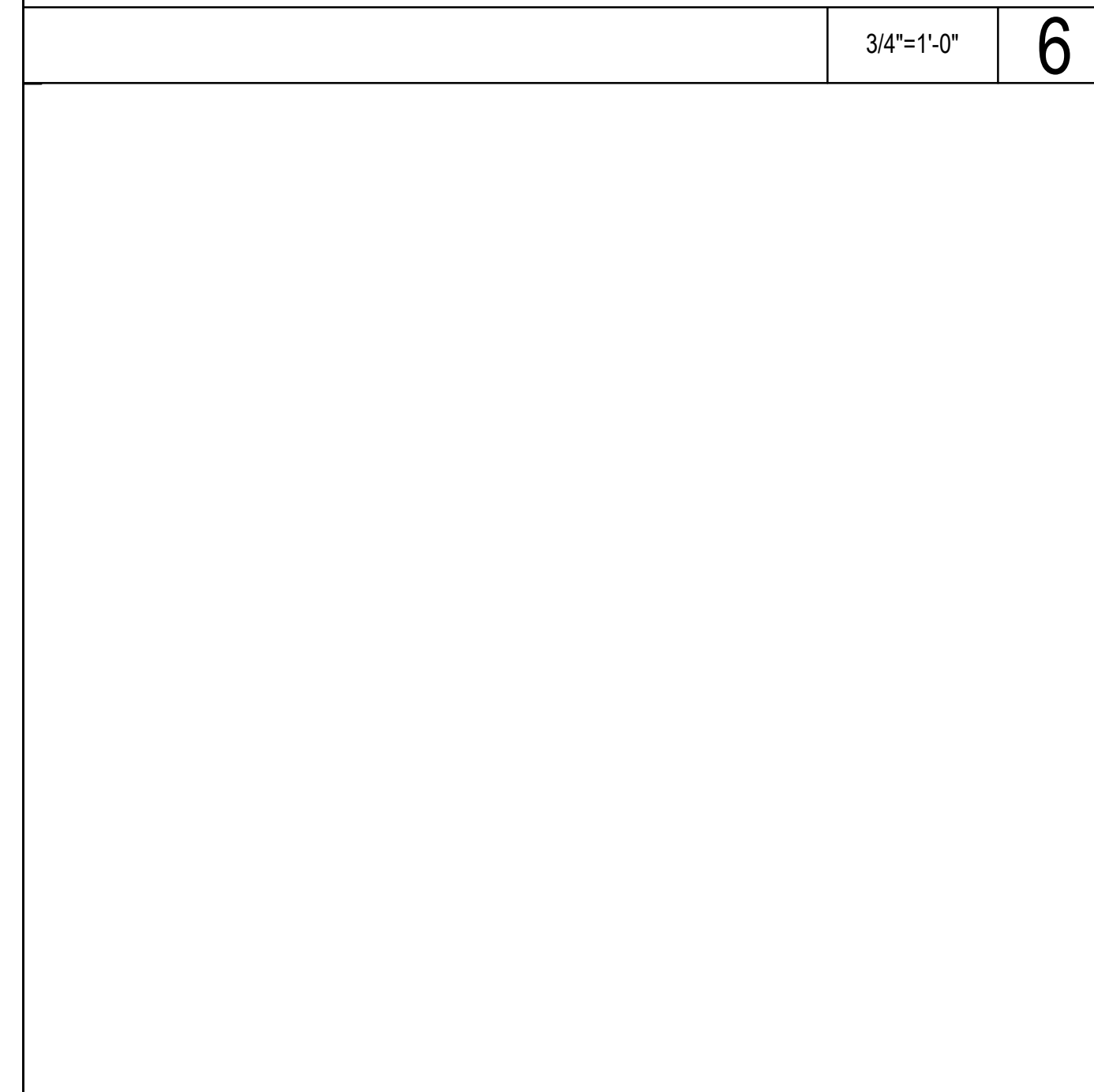
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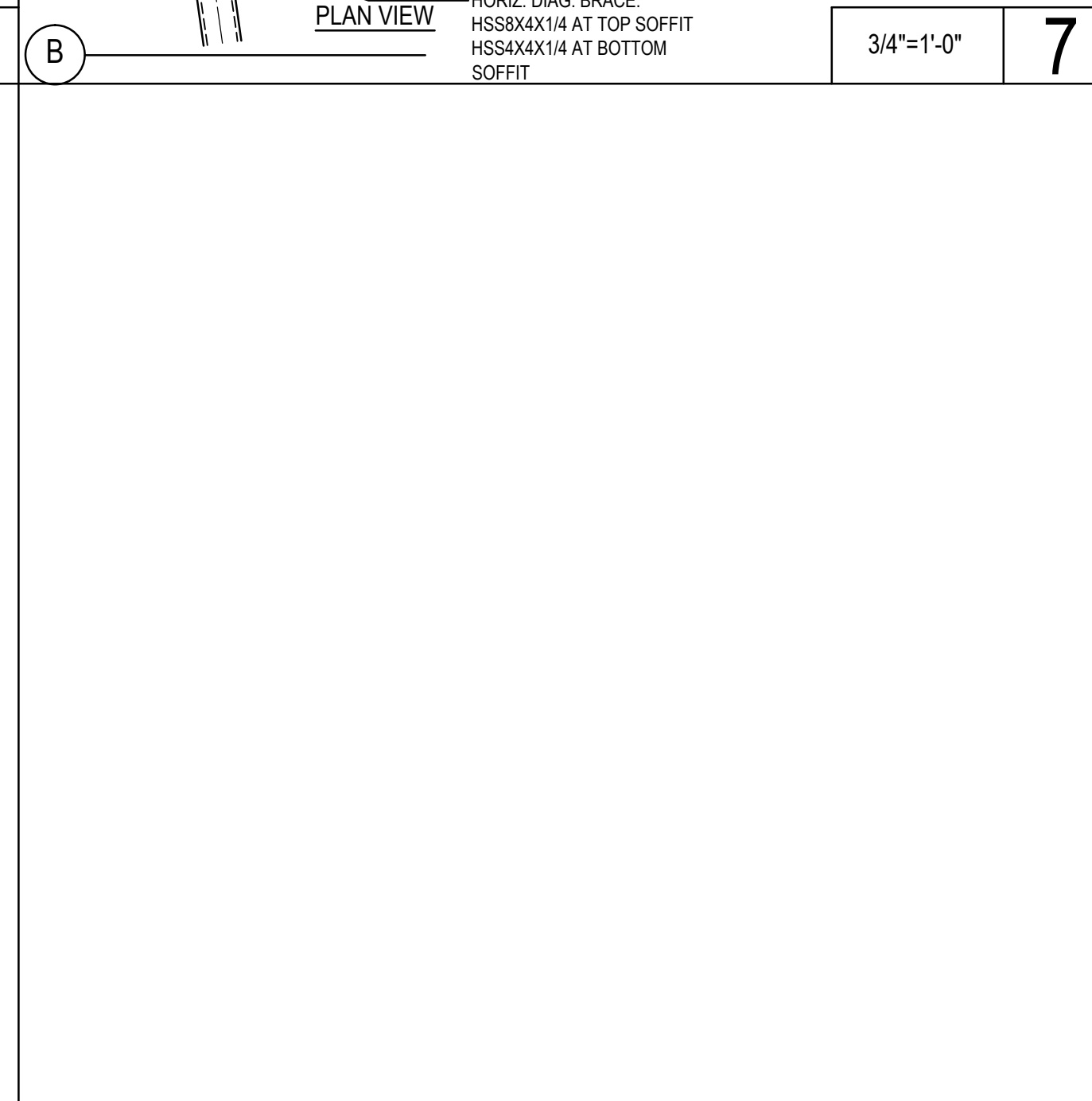
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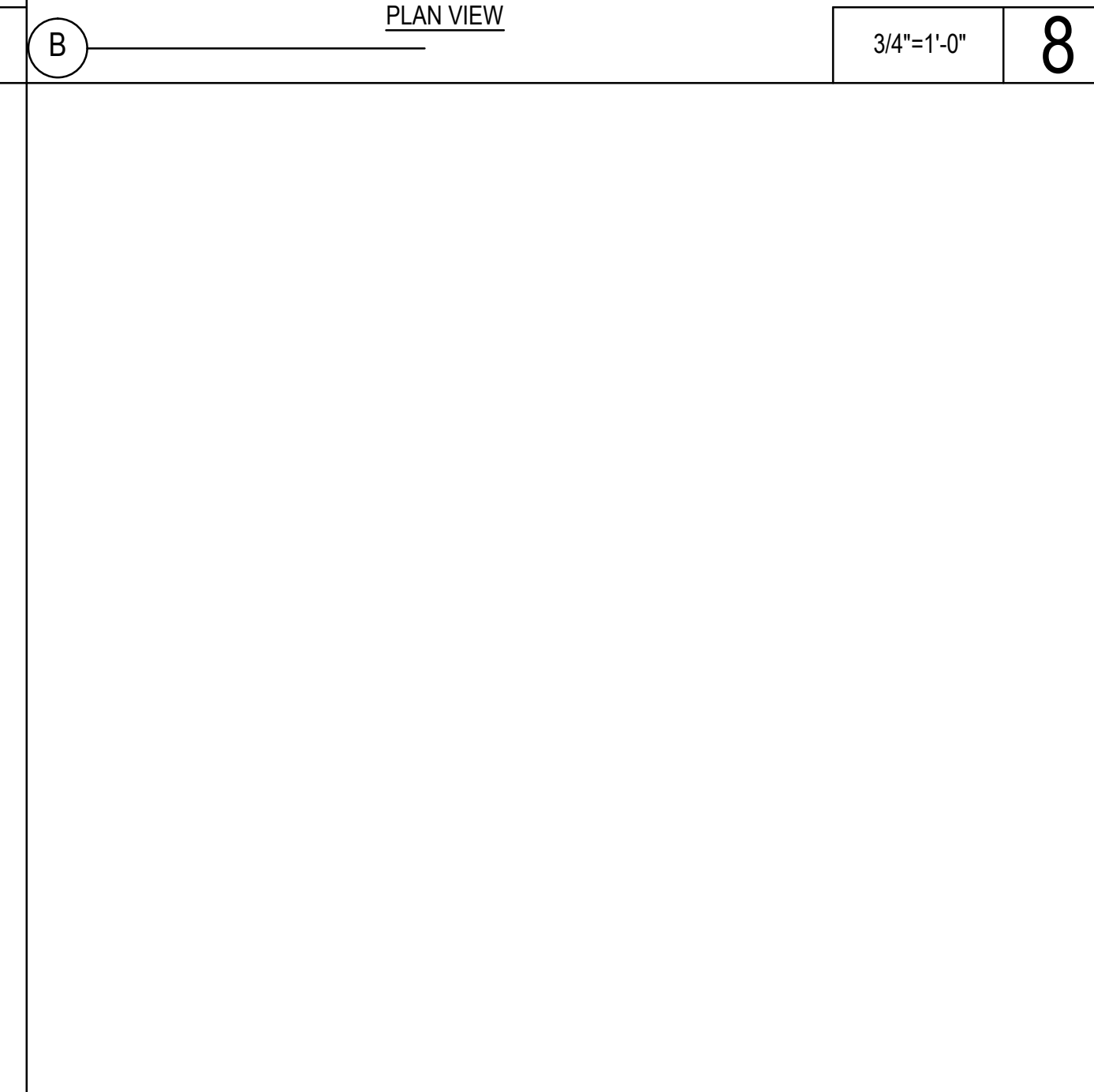
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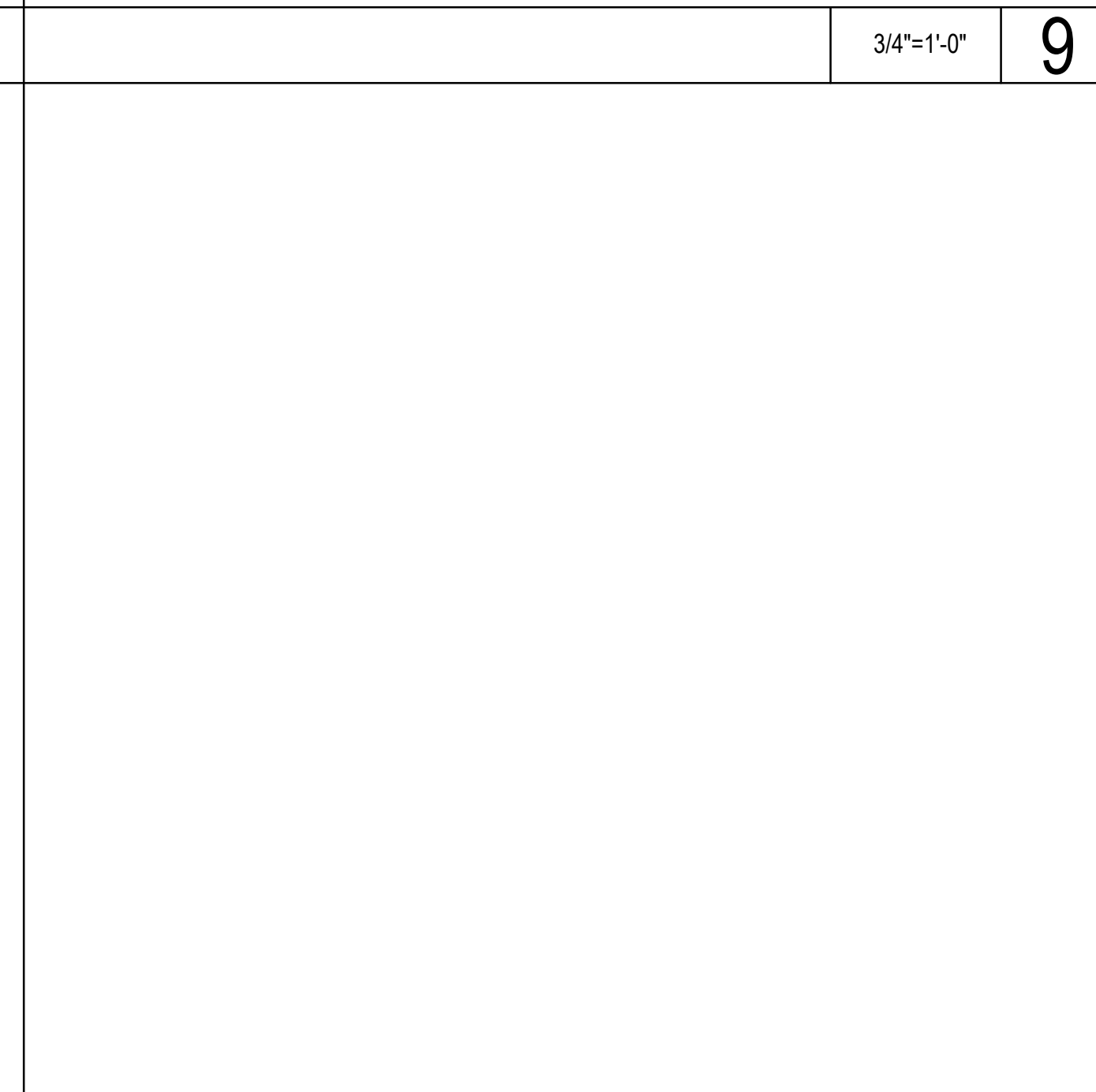
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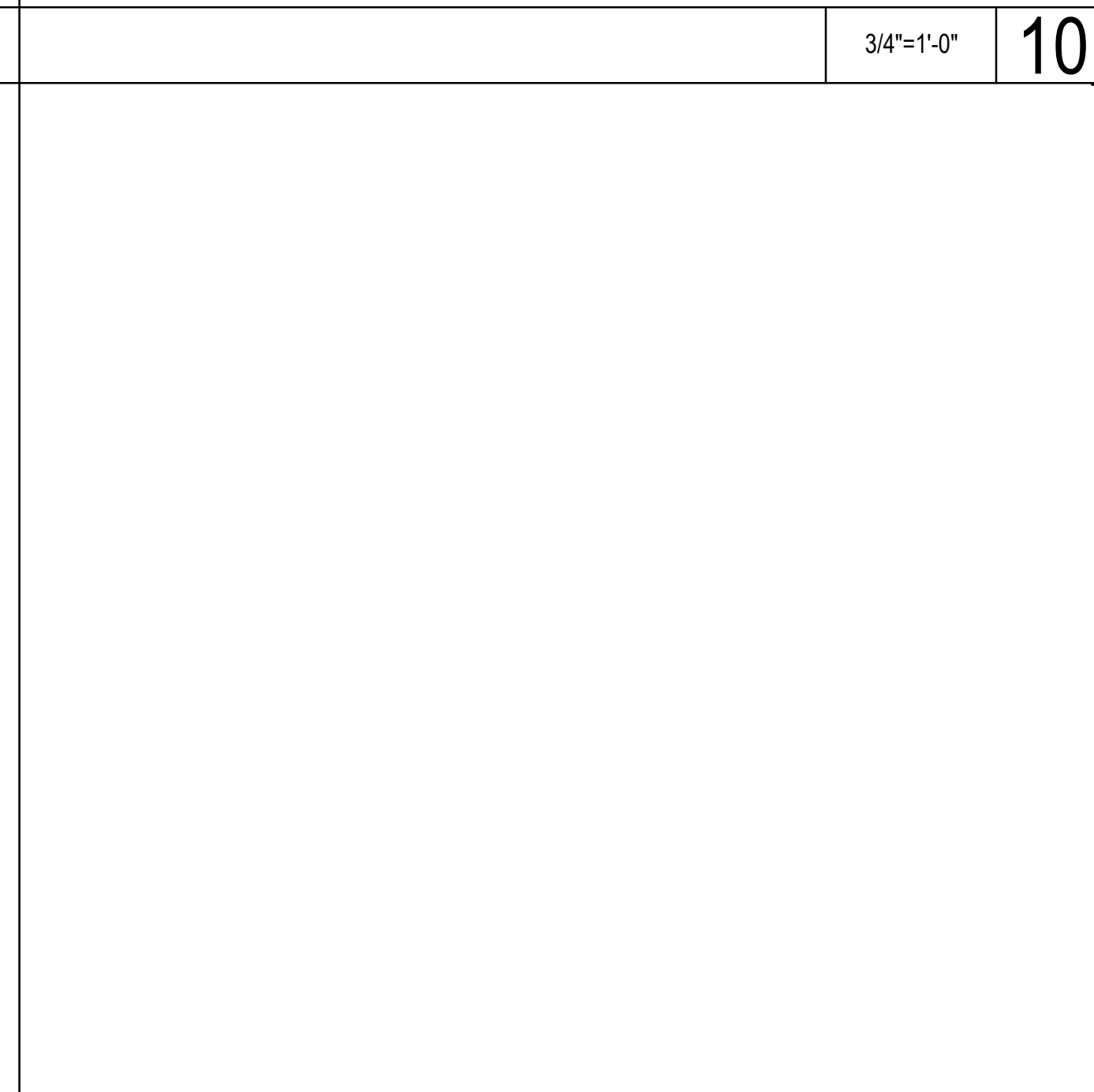
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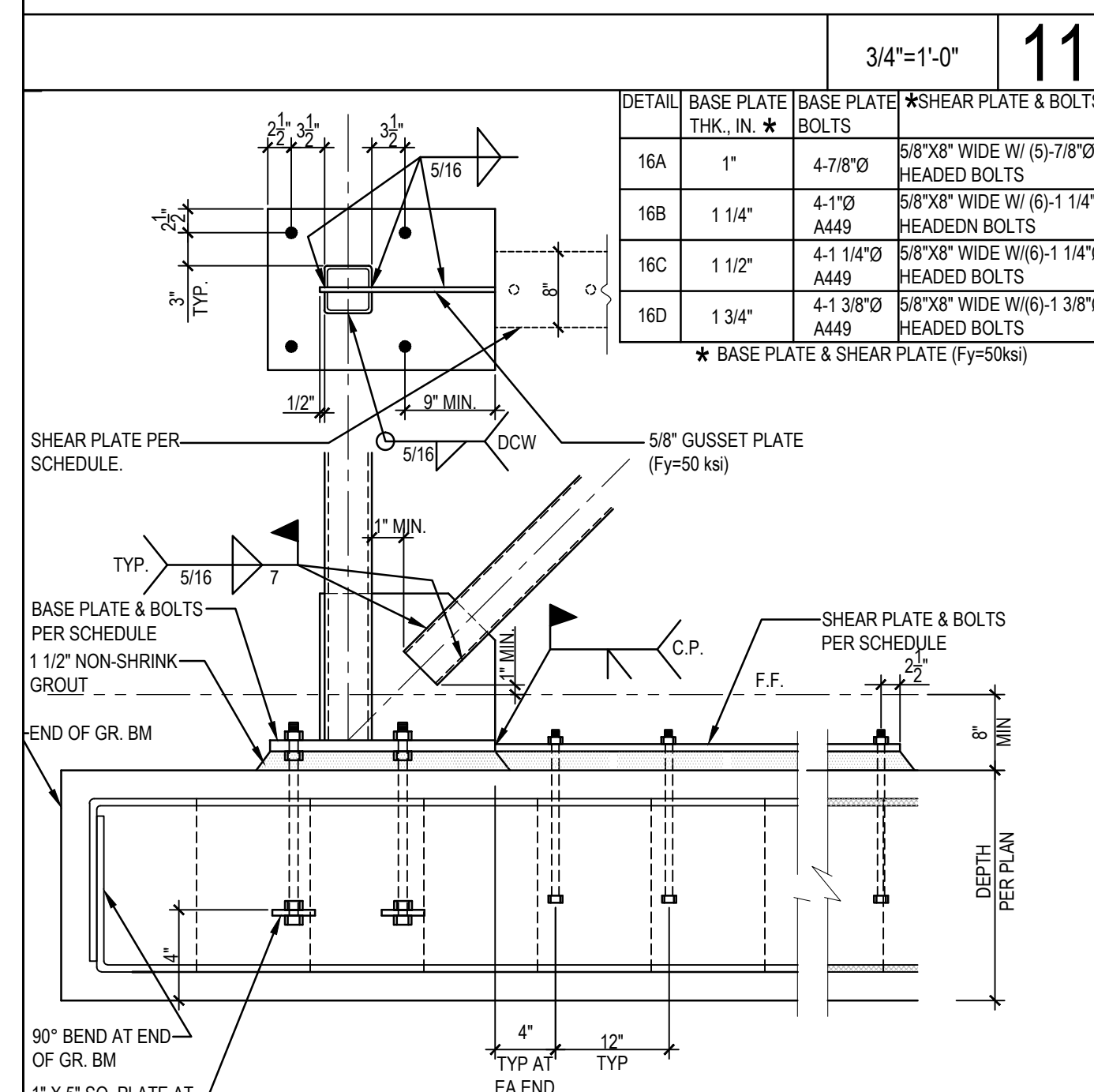
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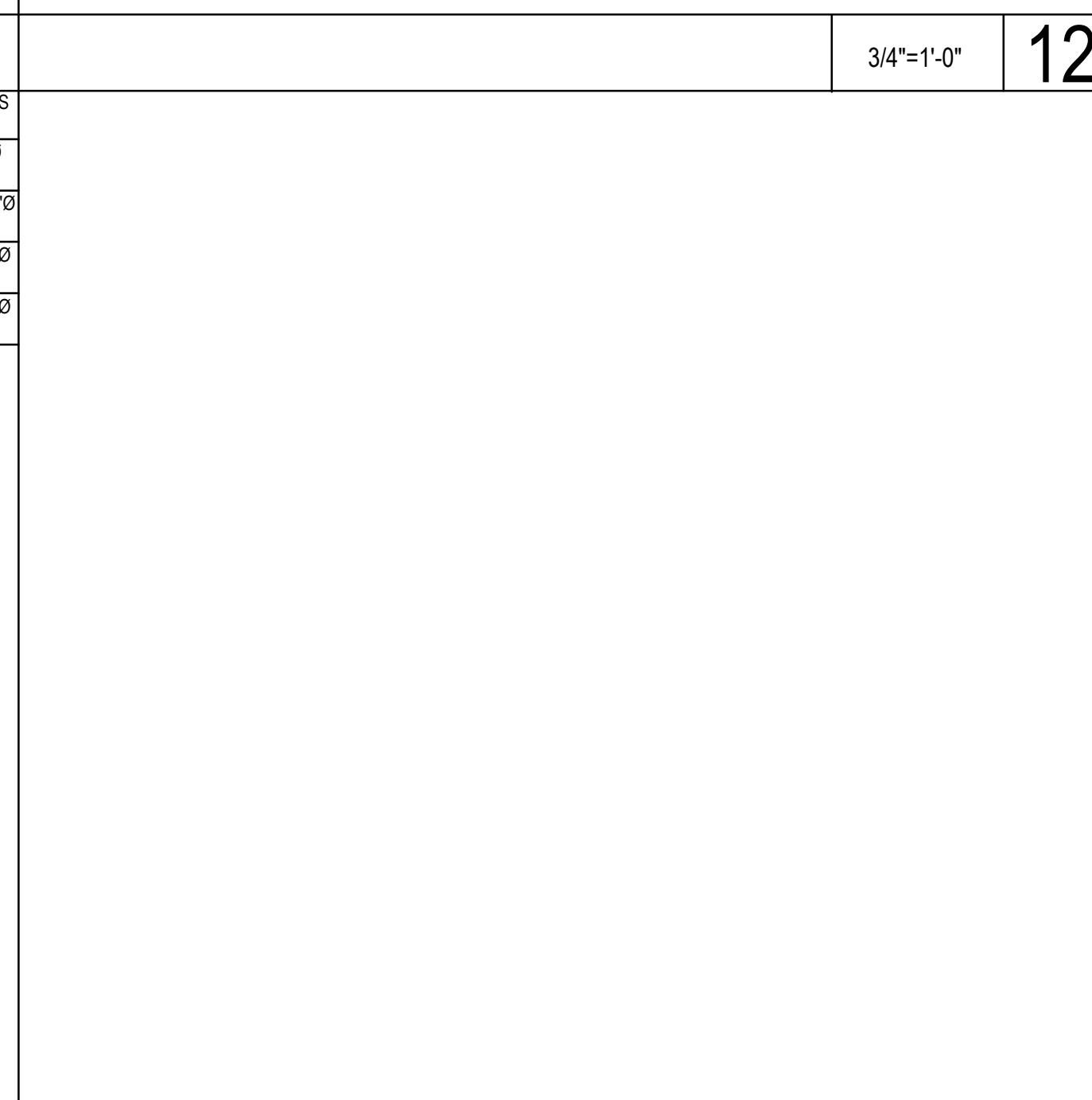
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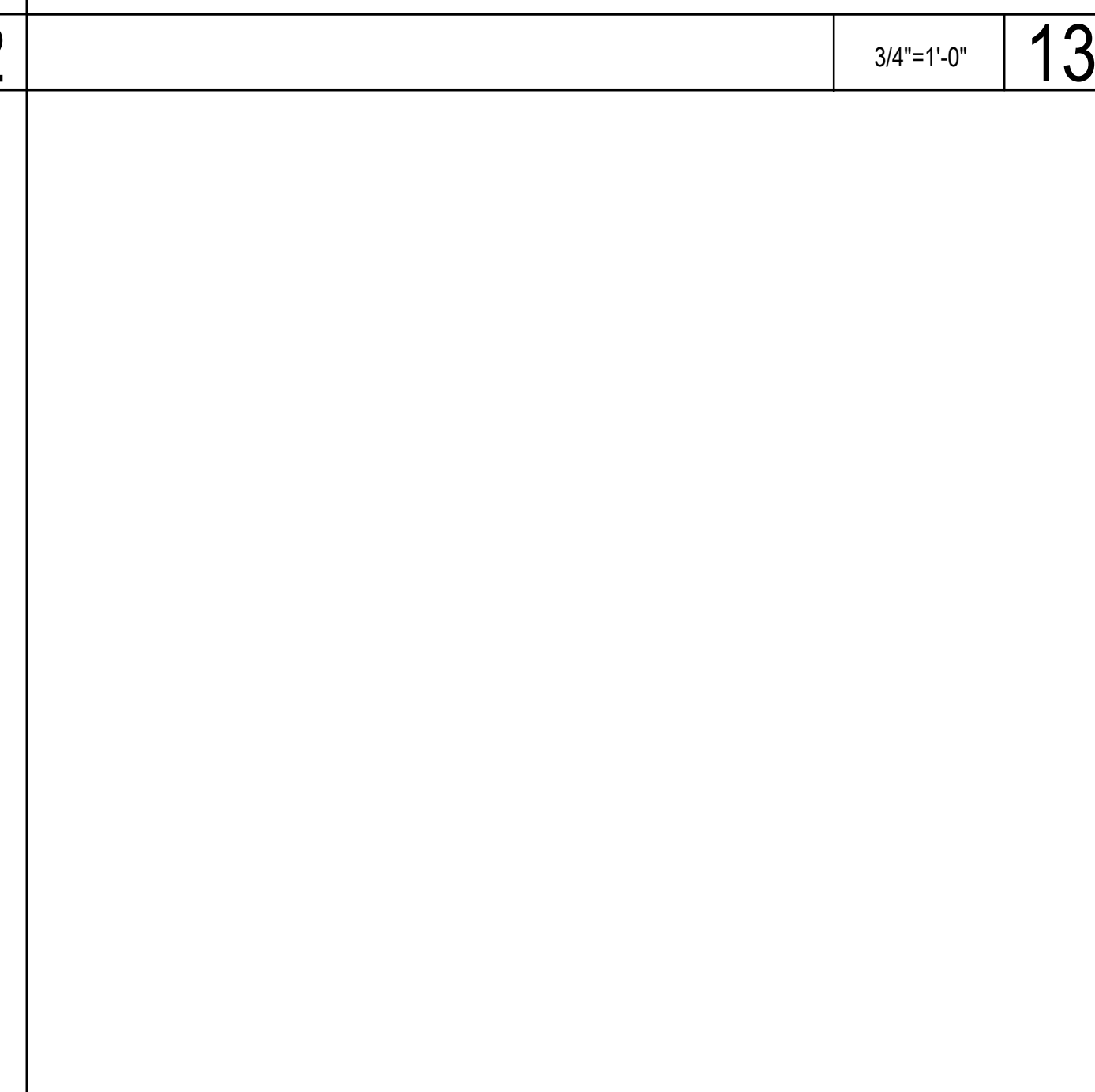
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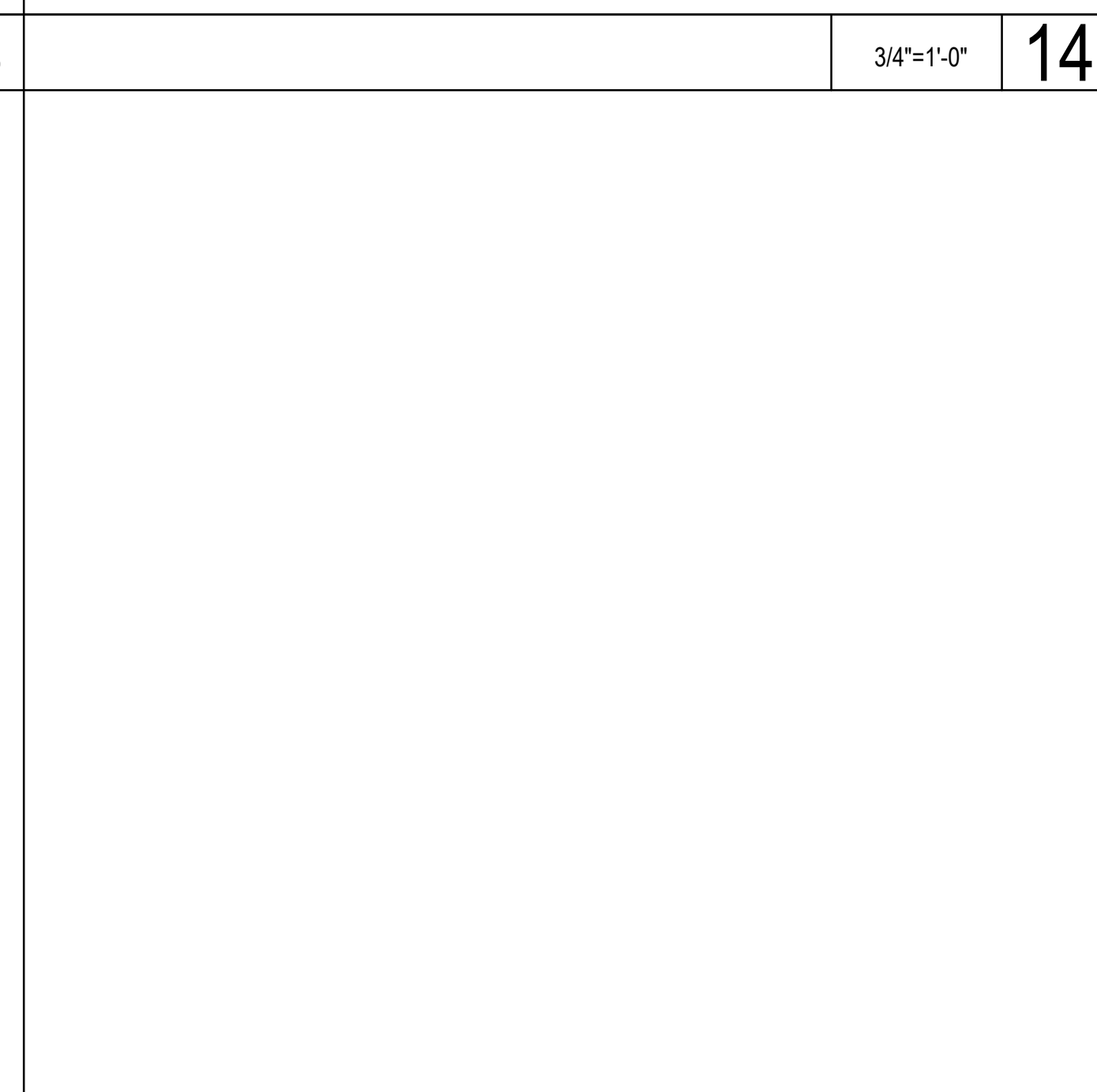
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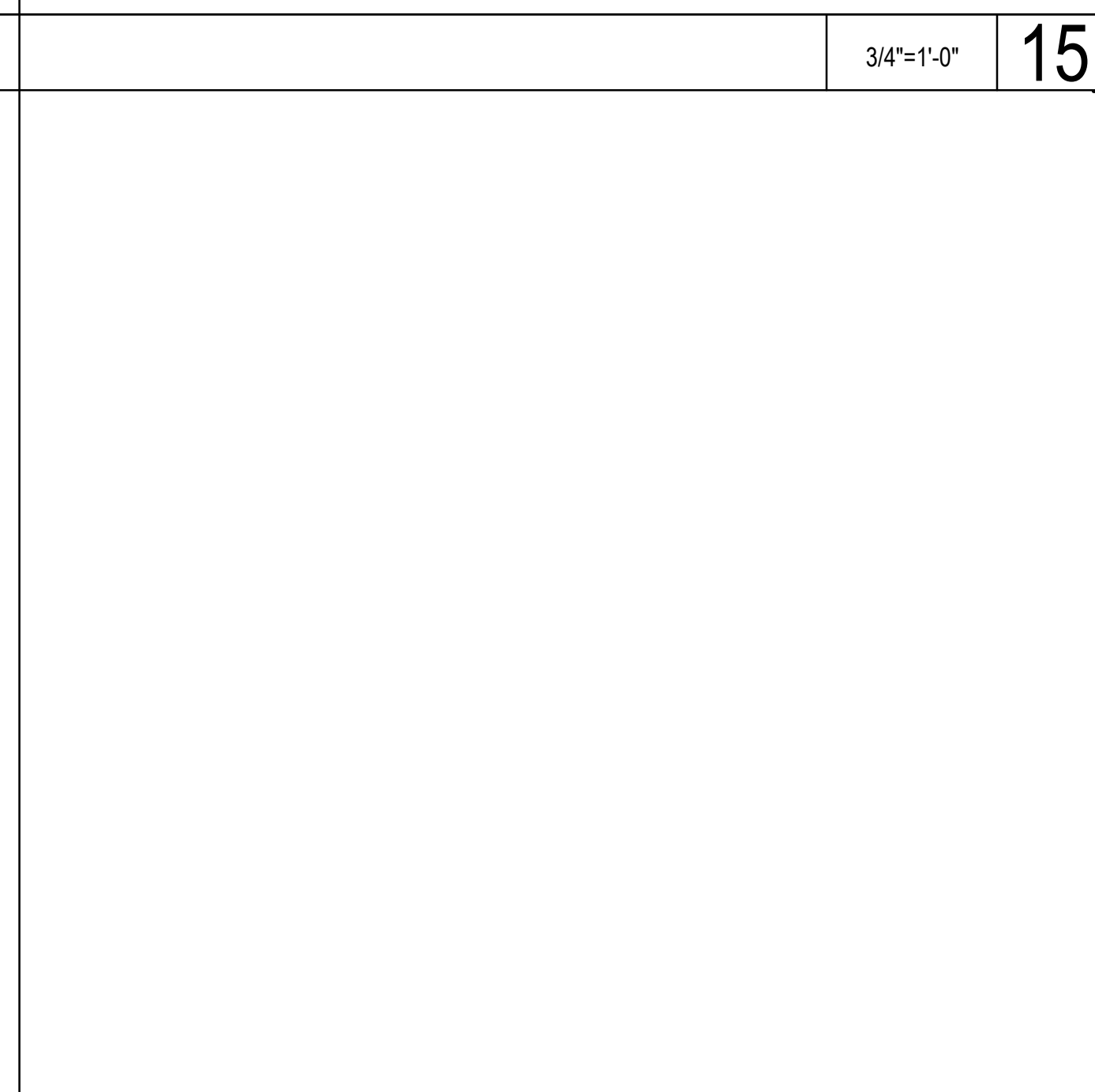
3/4"=1'-0" 17



3/4"=1'-0" 18



3/4"=1'-0" 18



N.T.S. 20

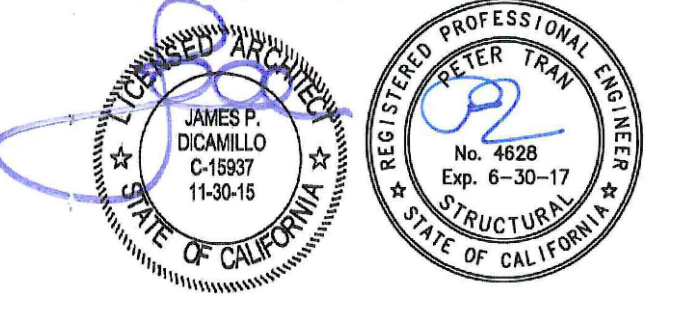
DETAIL	BASE PLATE THK., IN.	BASE PLATE BOLTS	*SHEAR PLATE & BOLTS
16A	1"	4-7/8"	5/8"x8" WIDE W/ (5)-7/8" HEADED BOLTS
16B	1 1/4"	4-1 1/2"	5/8"x8" WIDE W/ (5)-1 1/4" HEADED BOLTS
16C	1 1/2"	4-1 1/4"	5/8"x8" WIDE W/ (5)-1 1/4" HEADED BOLTS
16D	1 3/4"	4-1 3/8"	5/8"x8" WIDE W/ (5)-1 3/8" HEADED BOLTS

* BASE PLATE & SHEAR PLATE (Fy=50ksi)

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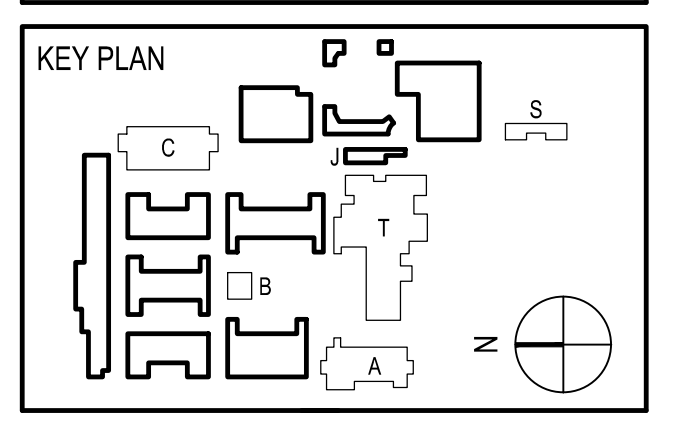
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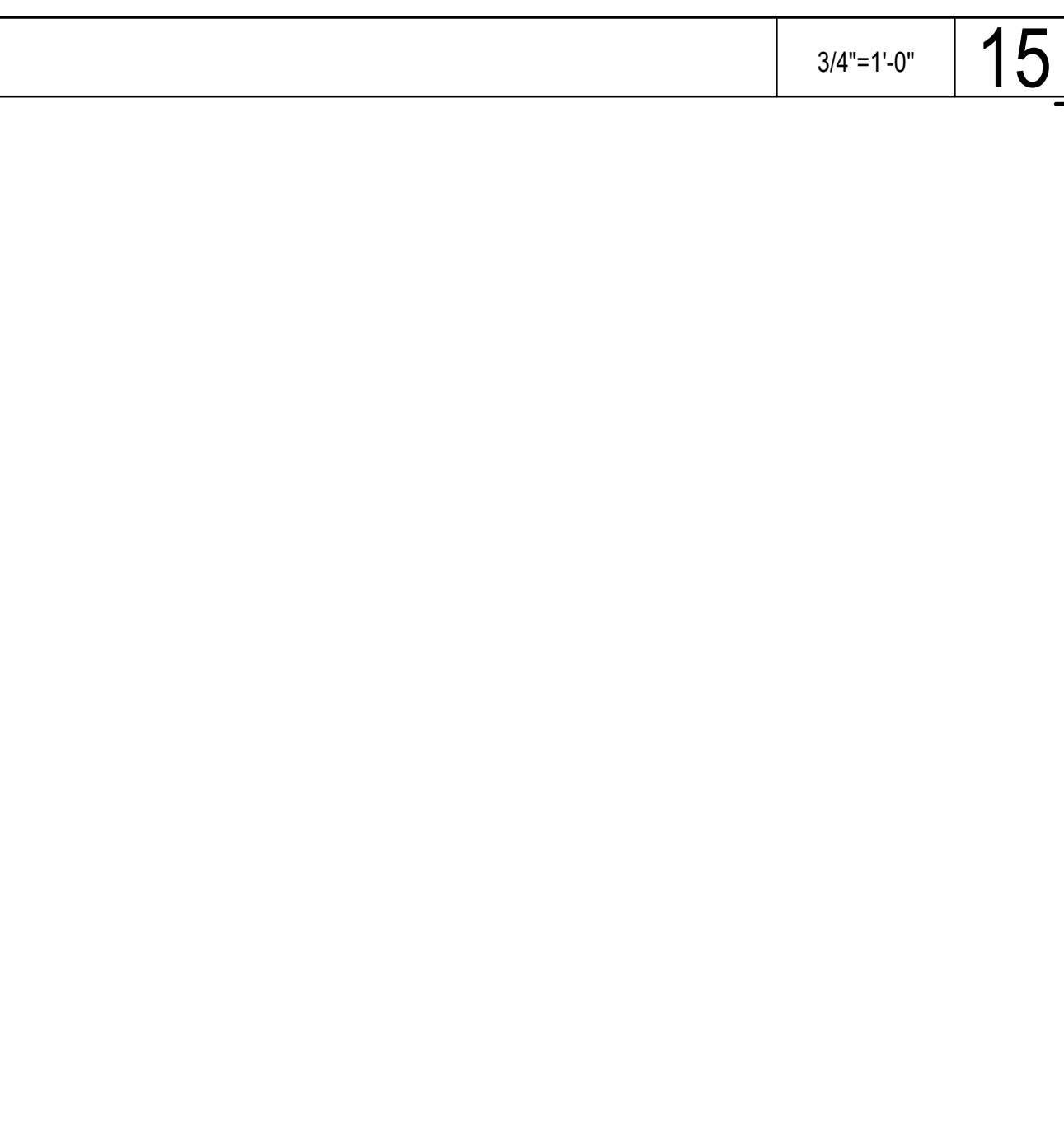
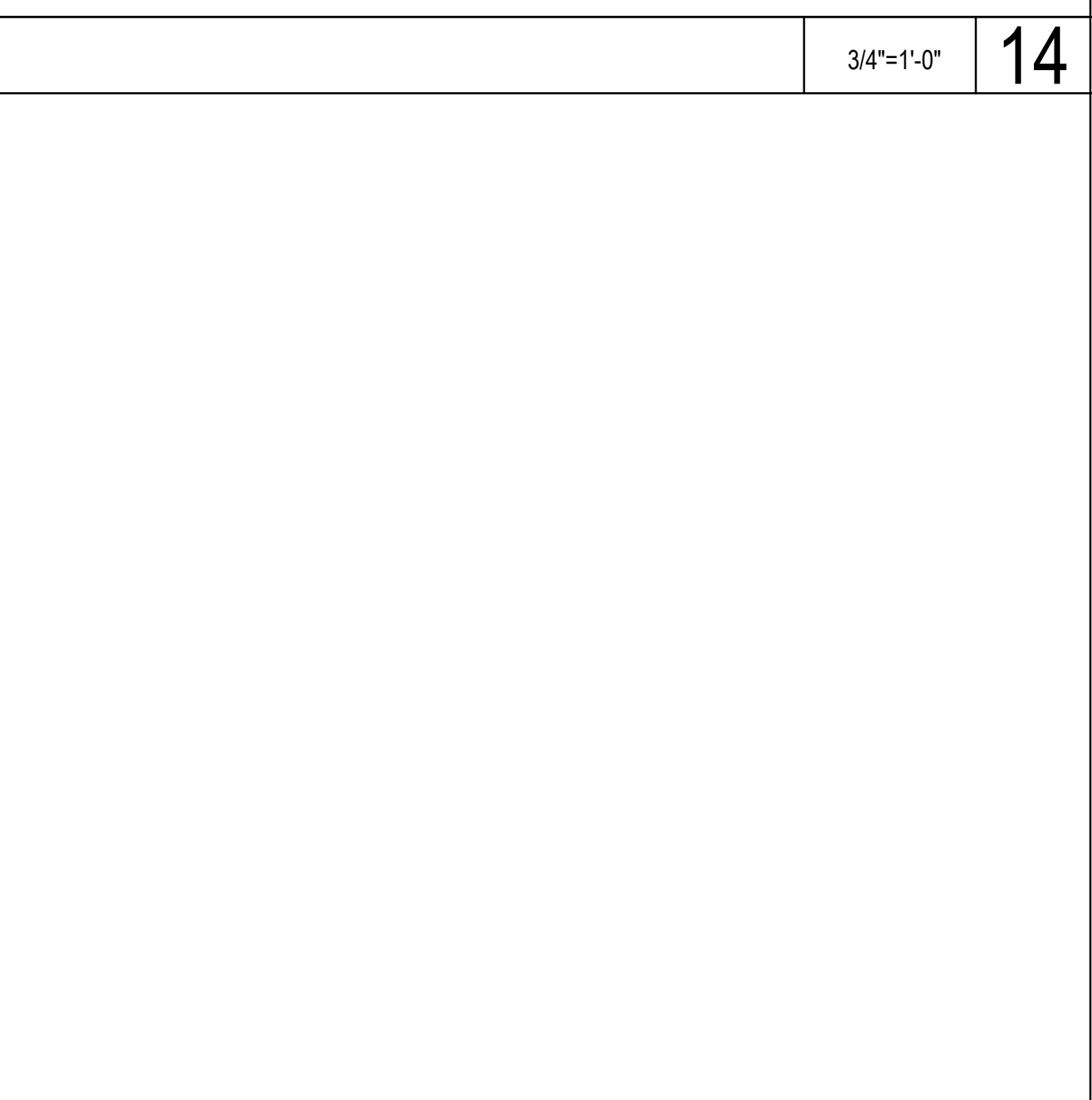
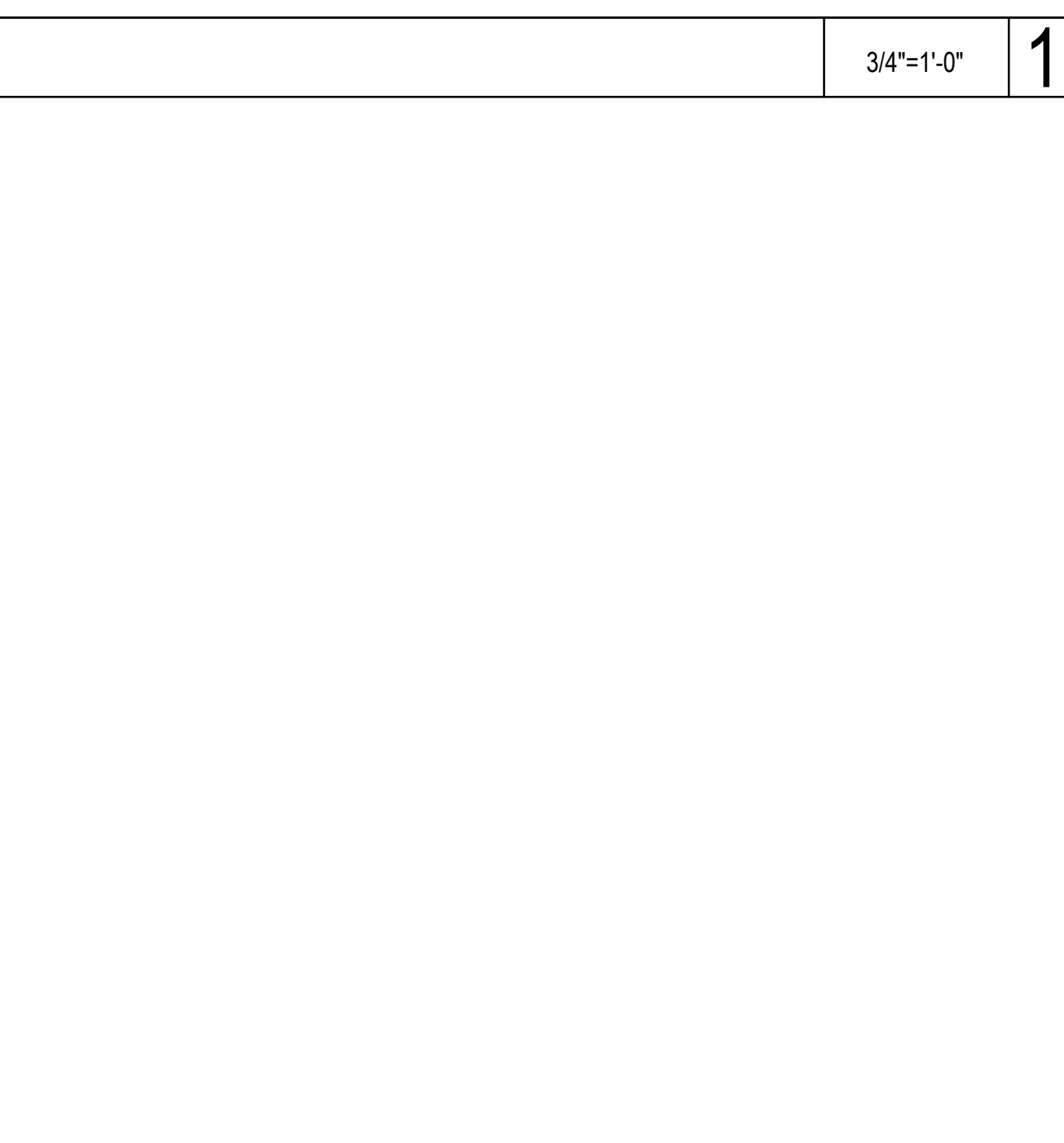
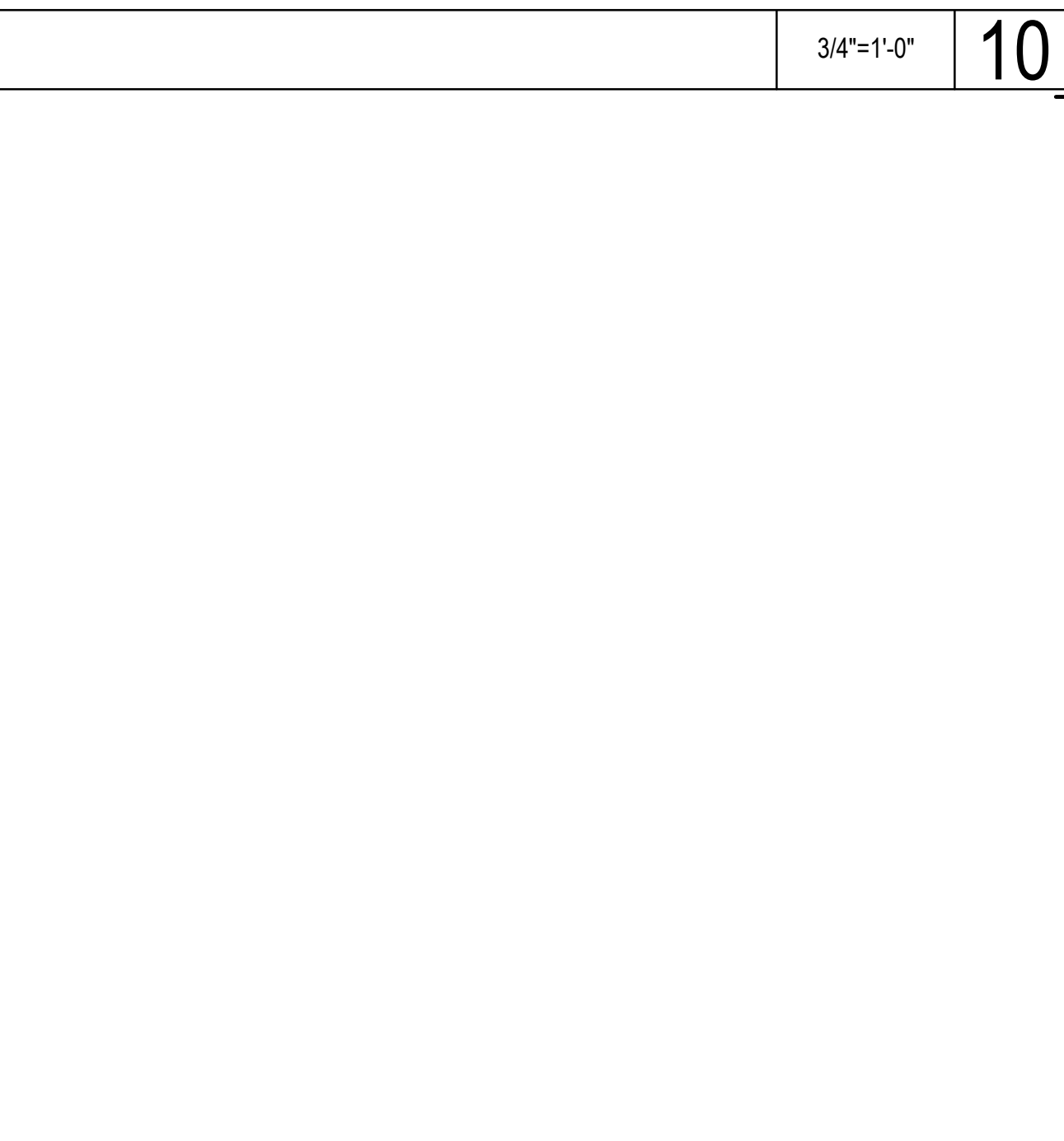
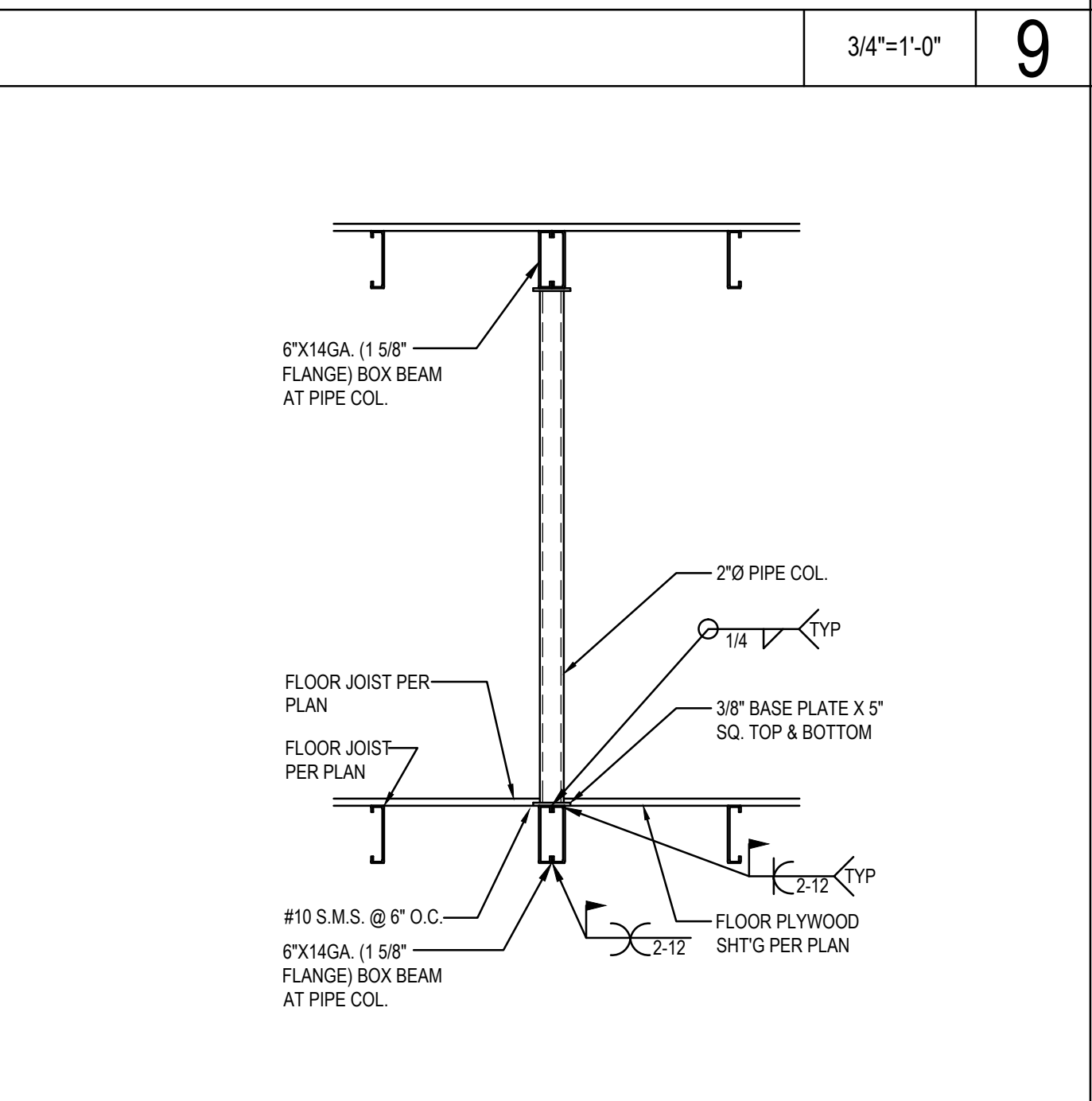
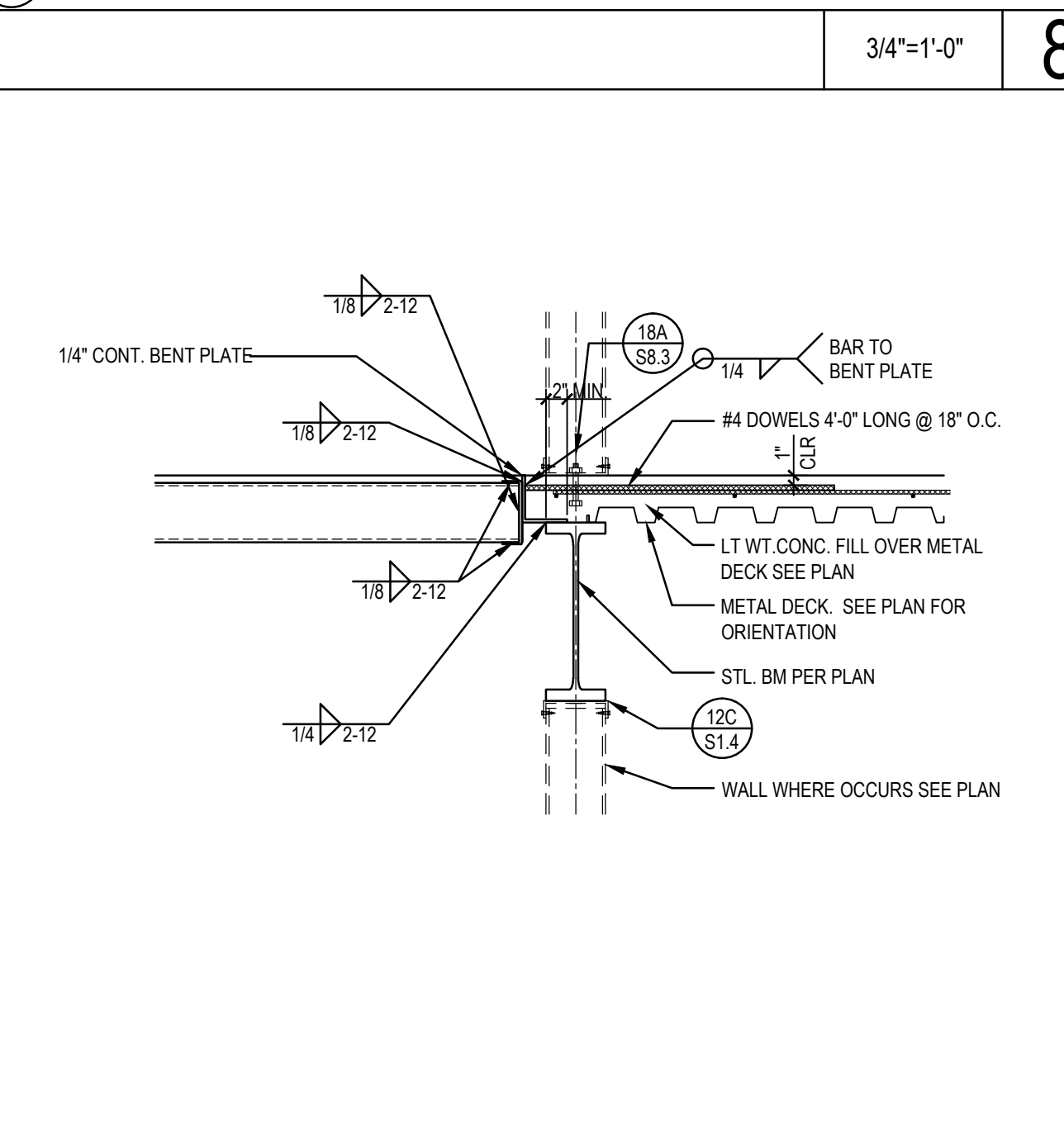
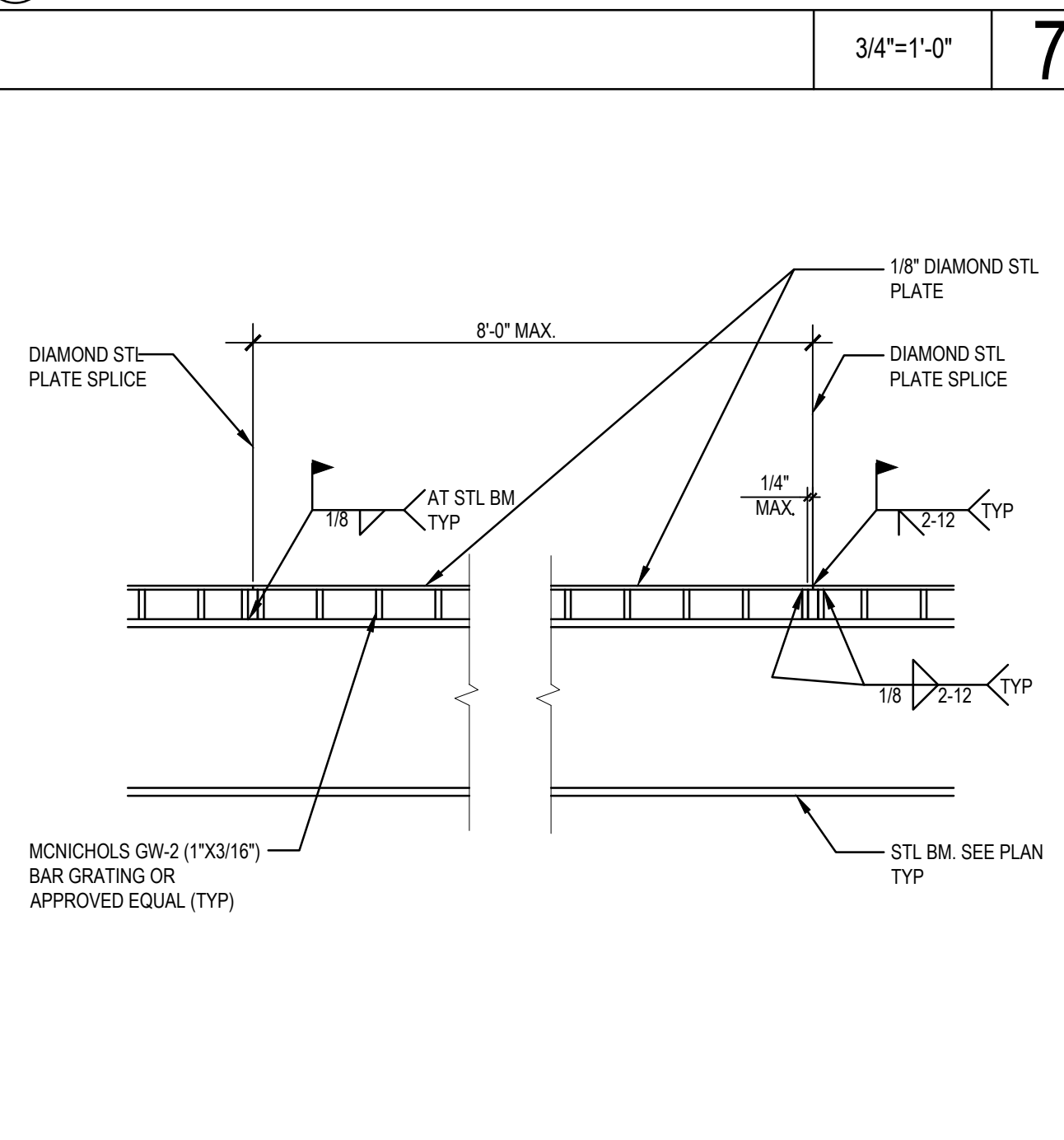
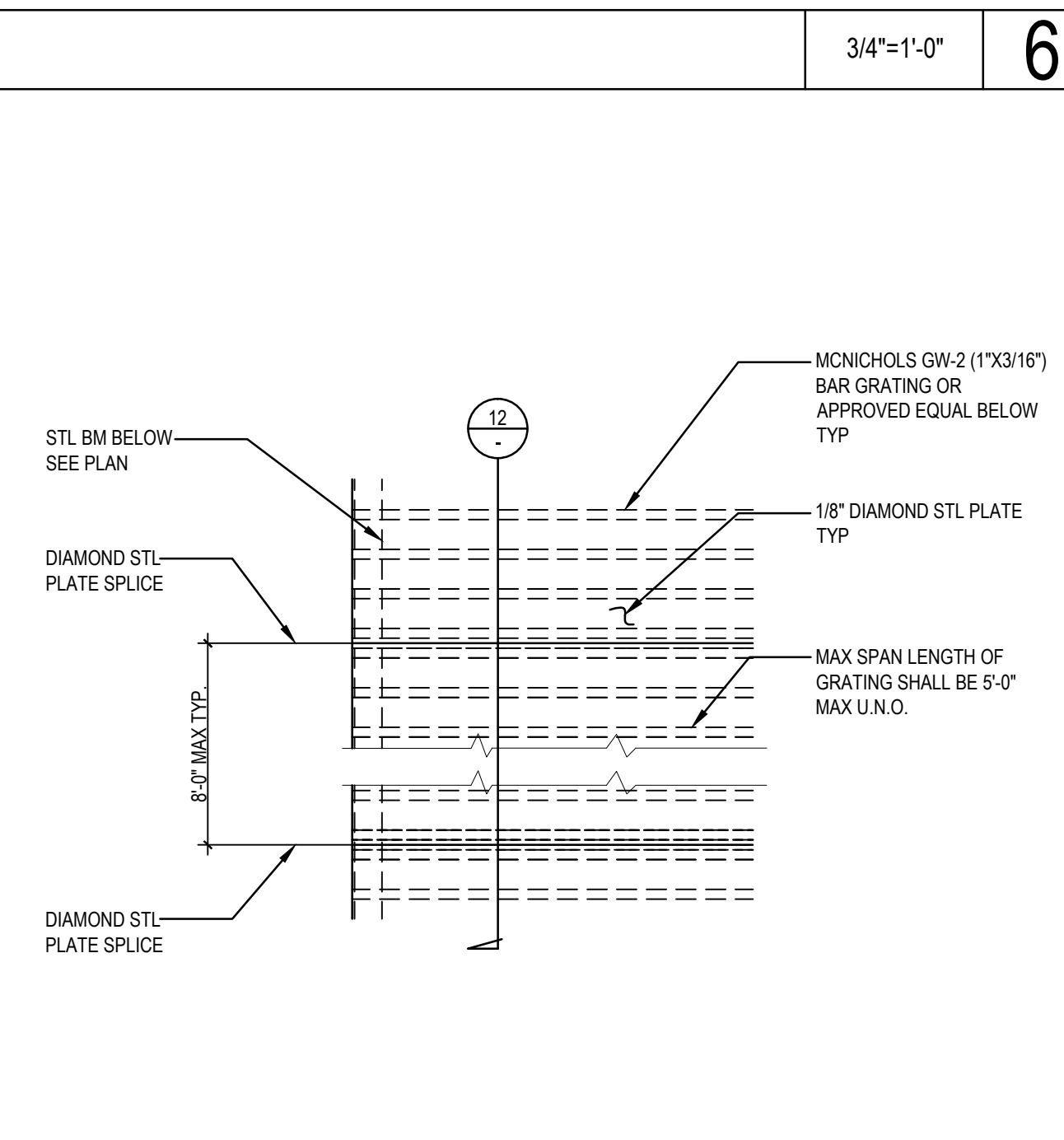
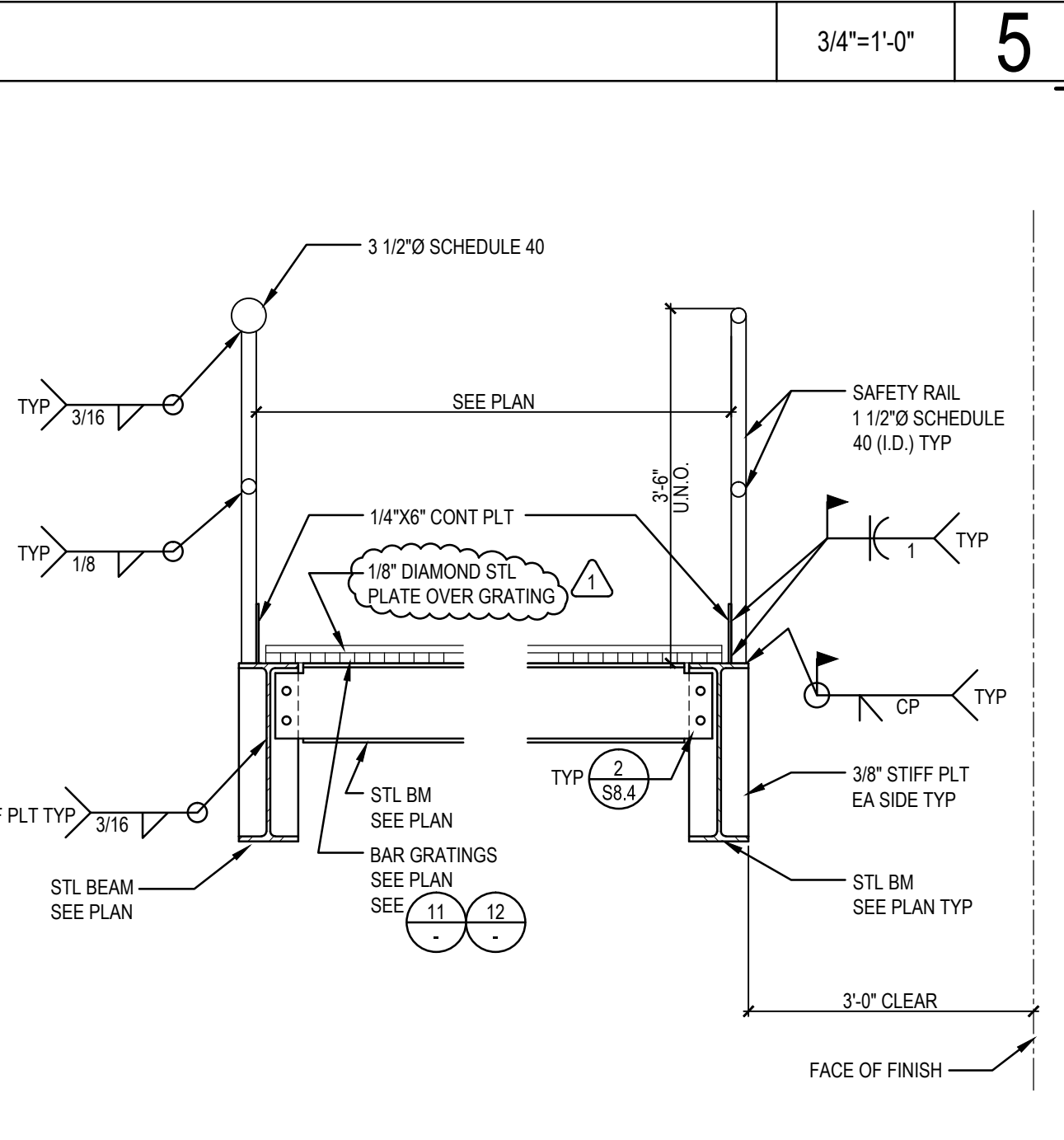
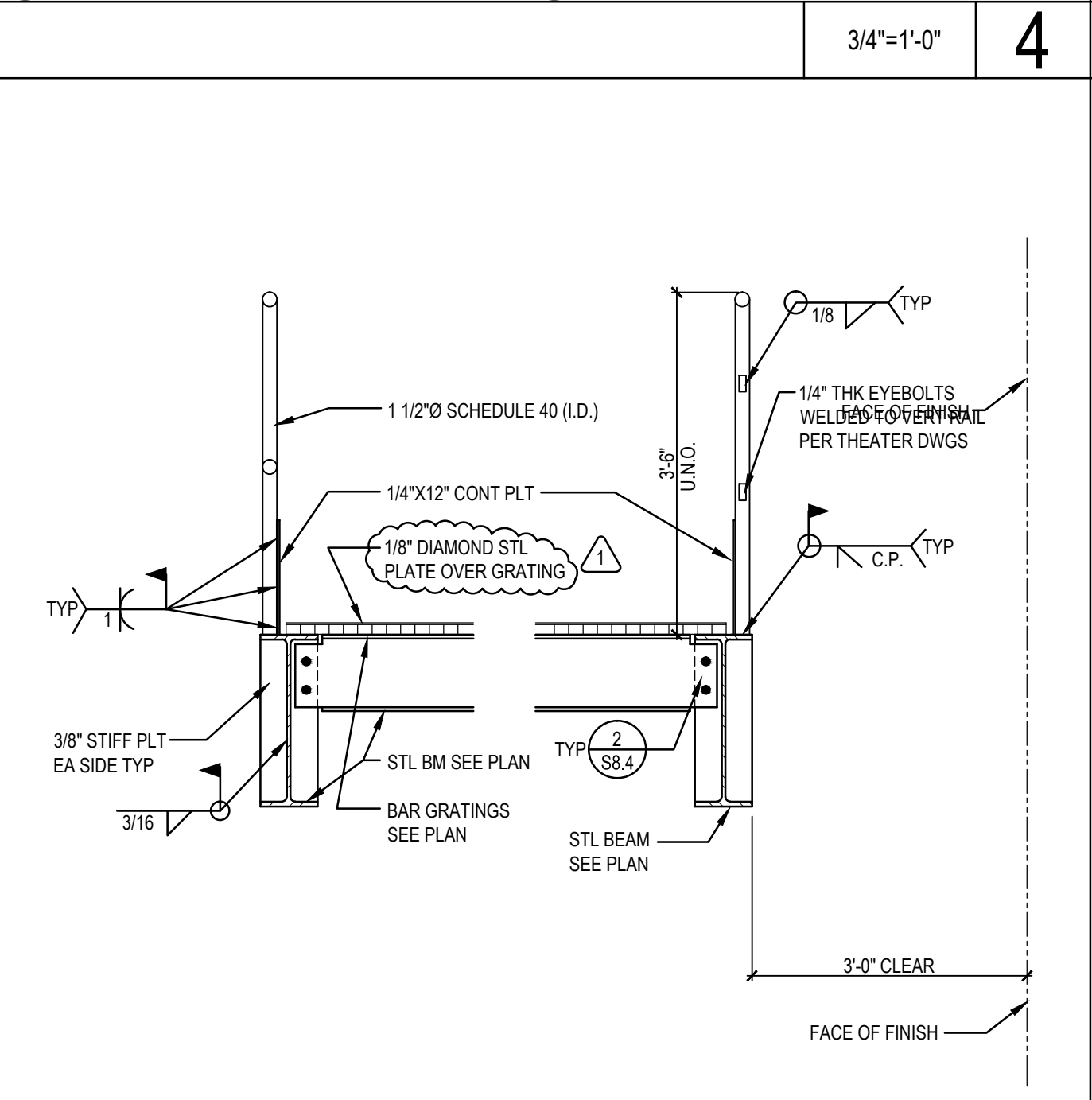
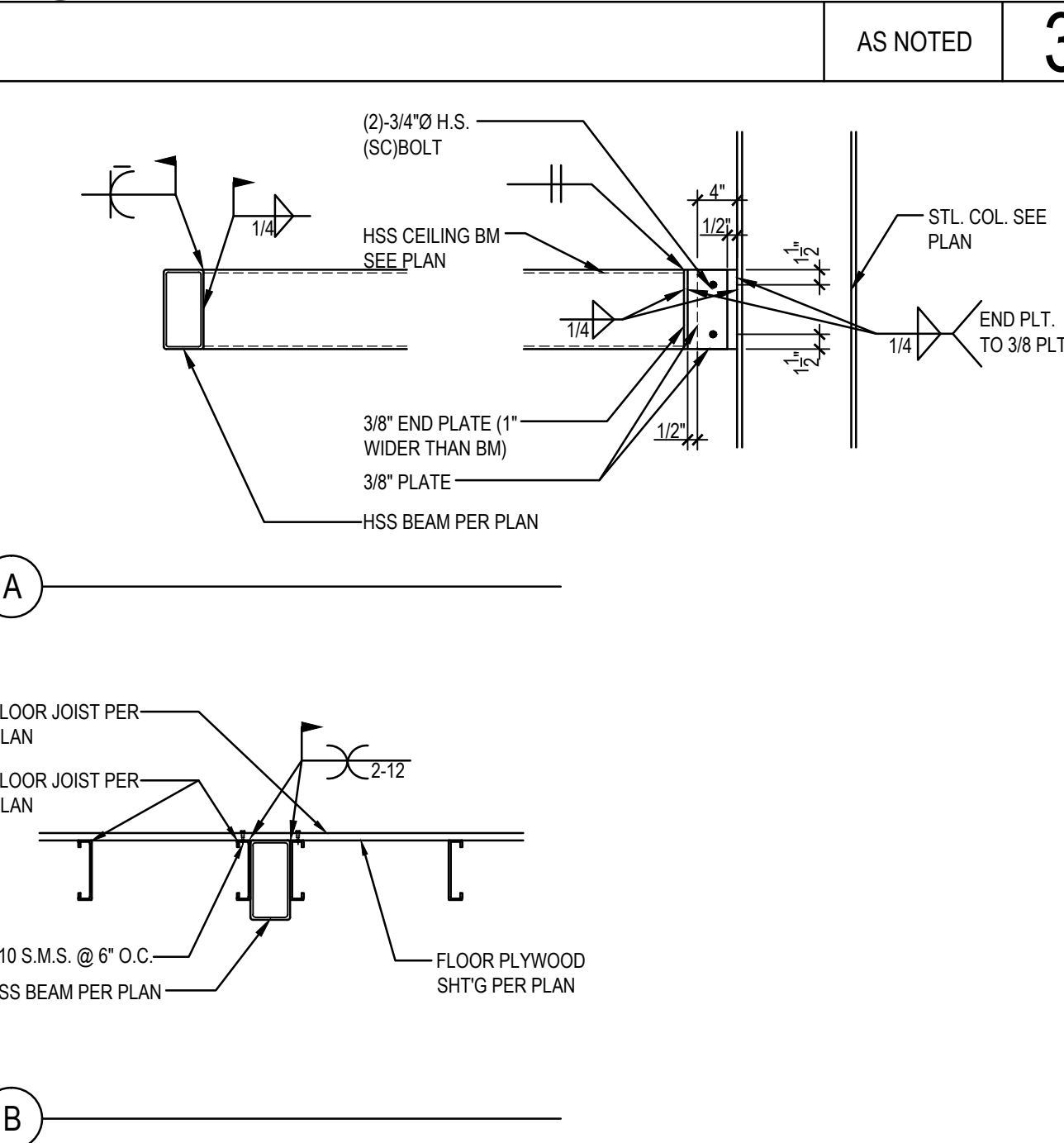
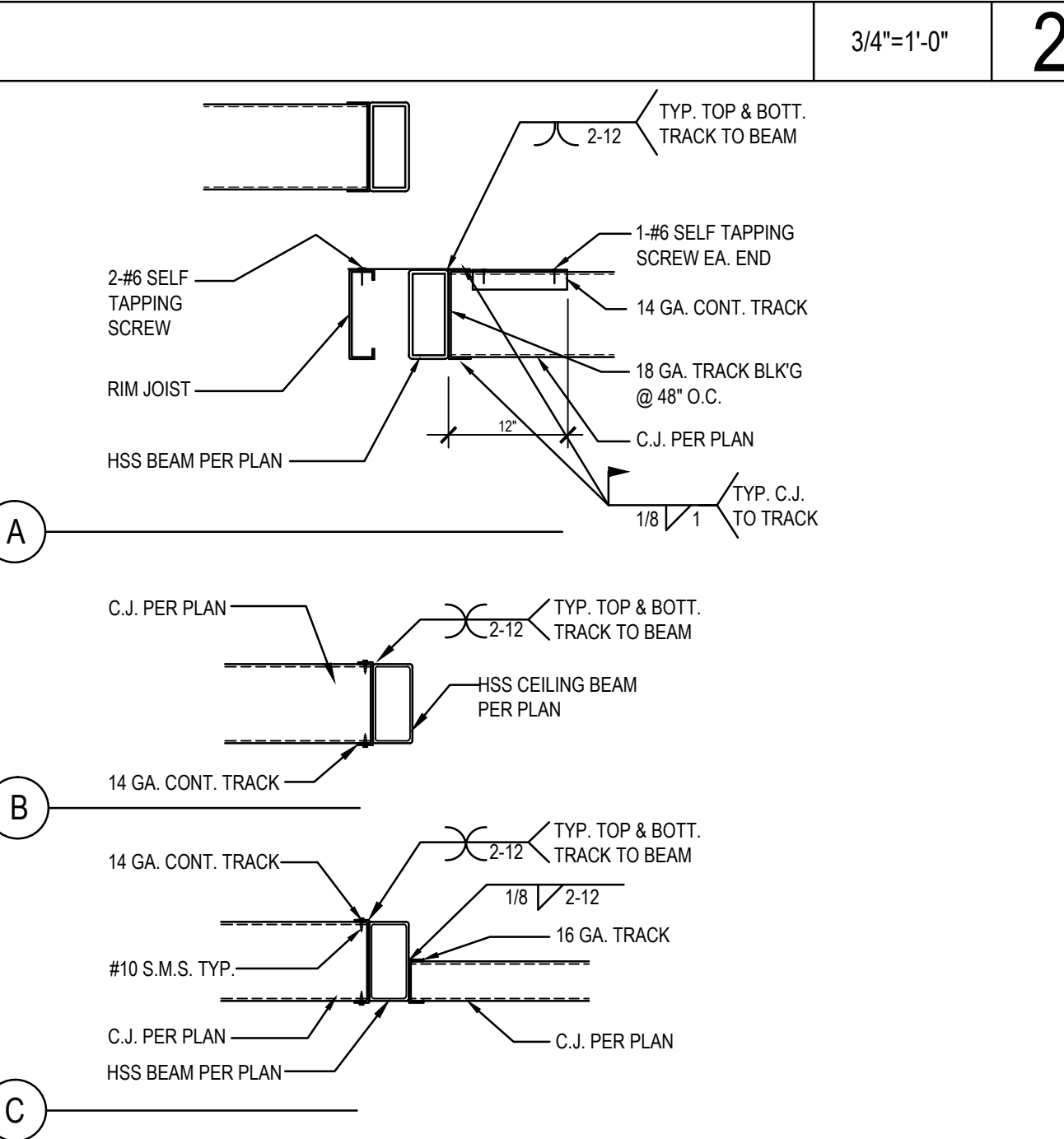
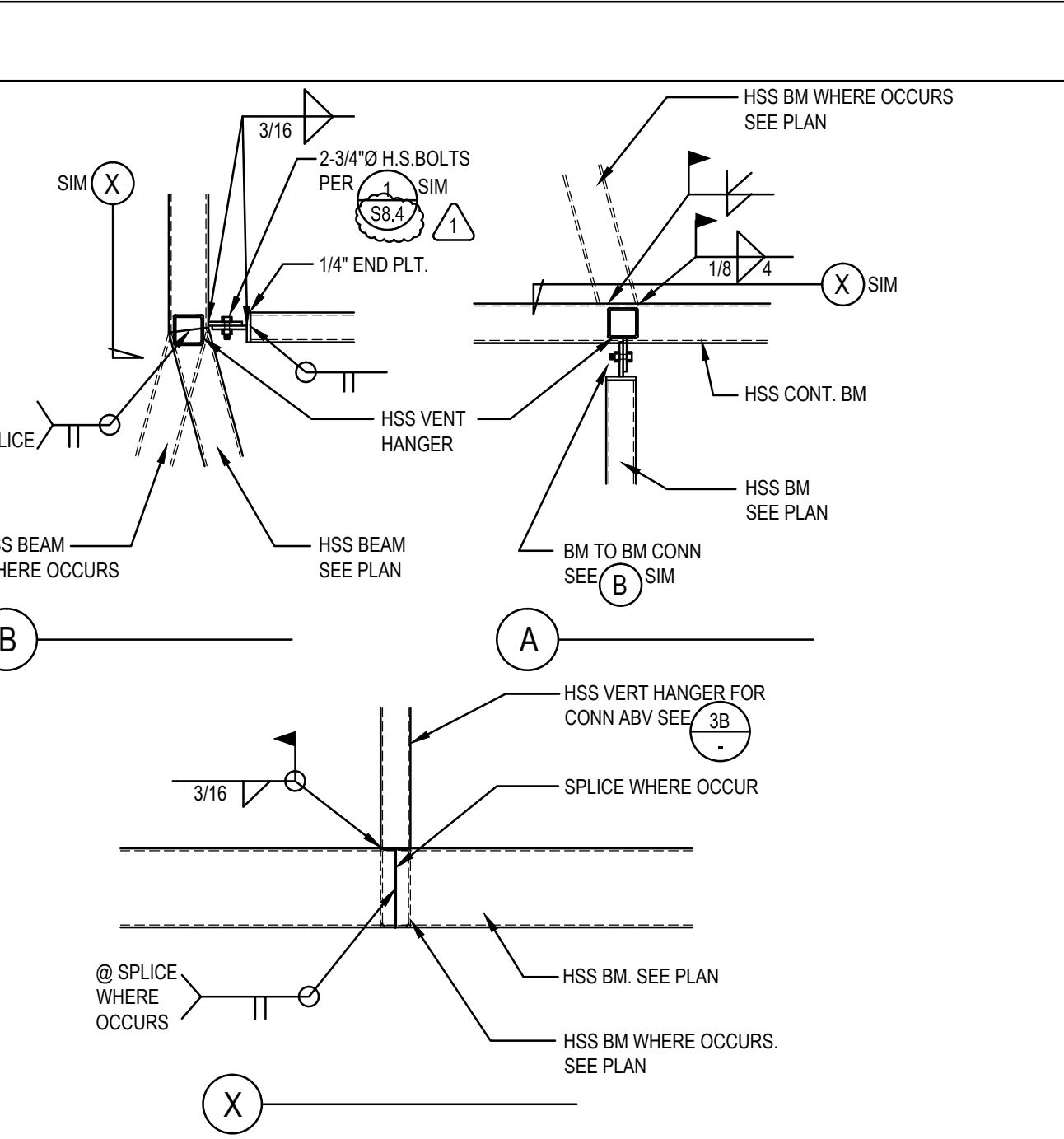
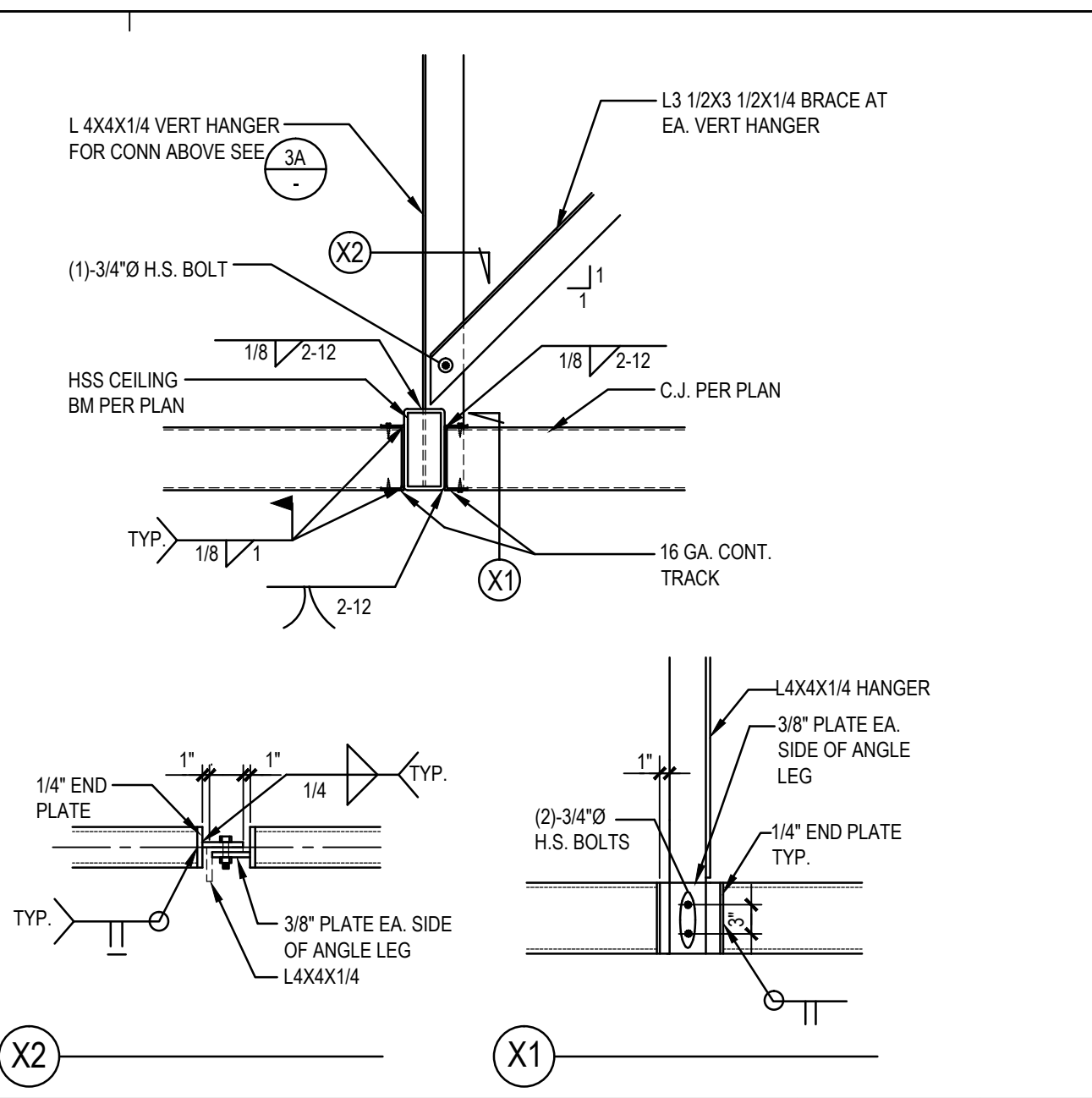
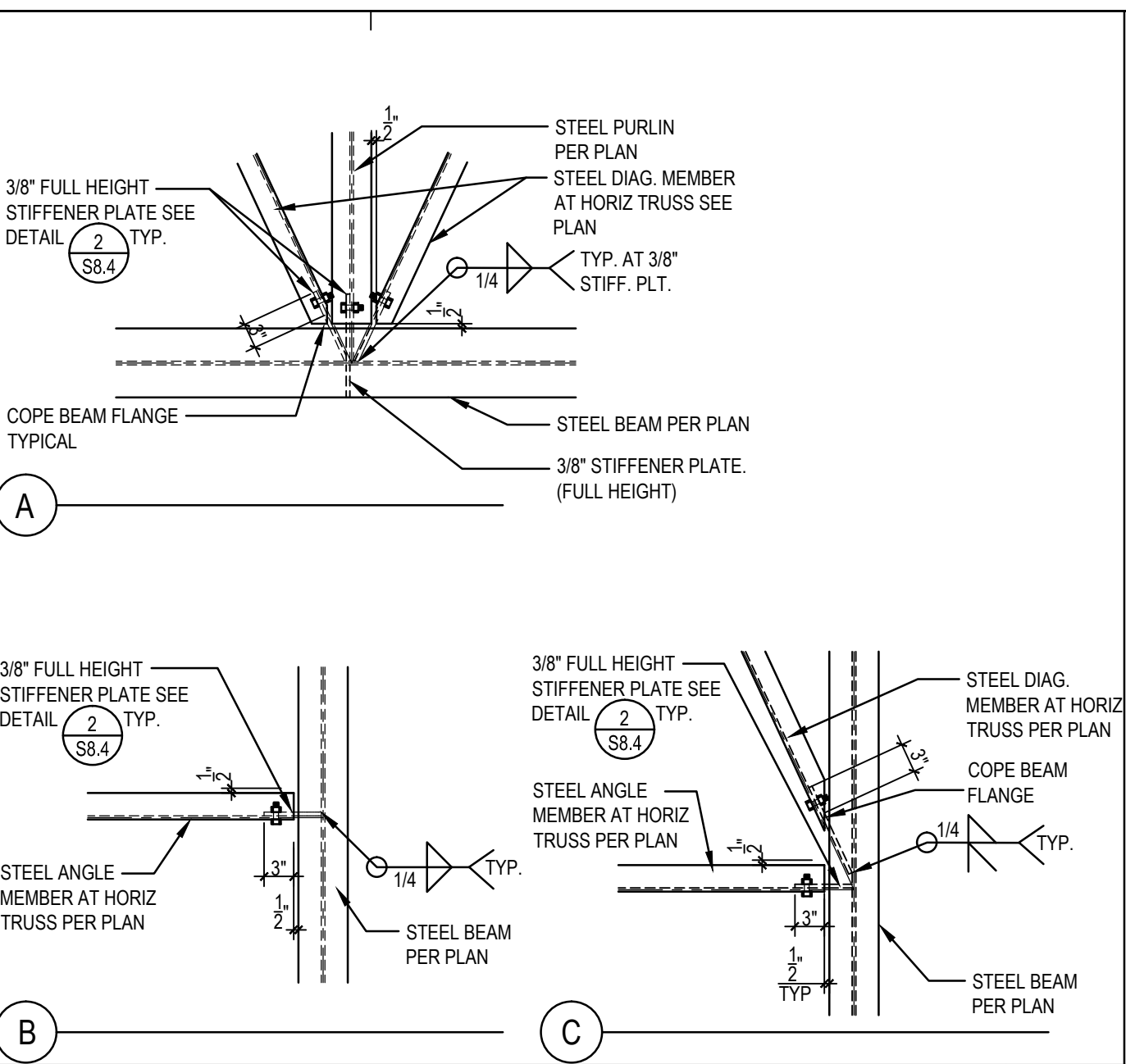
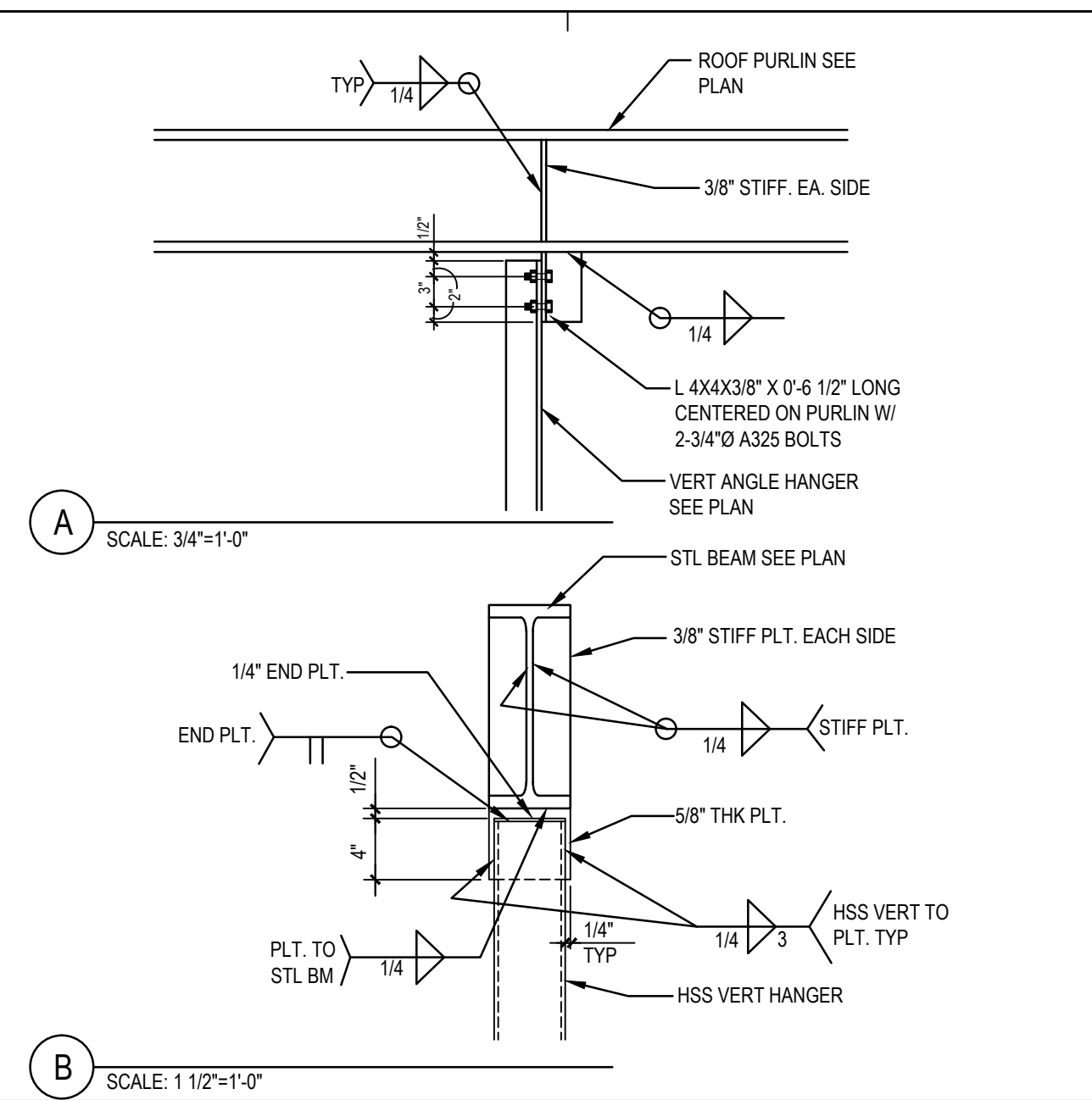
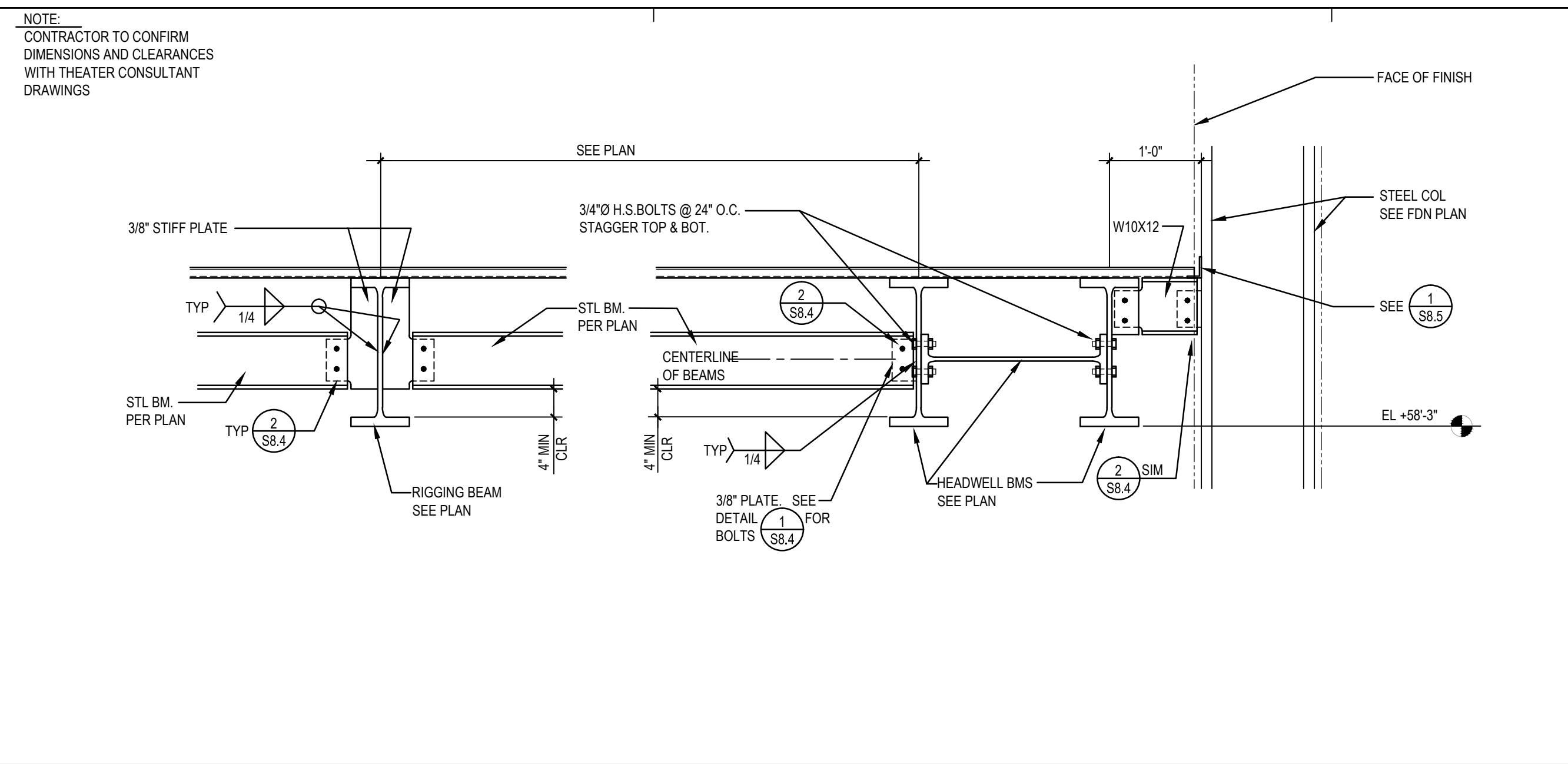


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NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACKCHECK	
12/12/2015	ADDENDUM 1	

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DETAILS

DRAWING NUMBER: **S8.9**



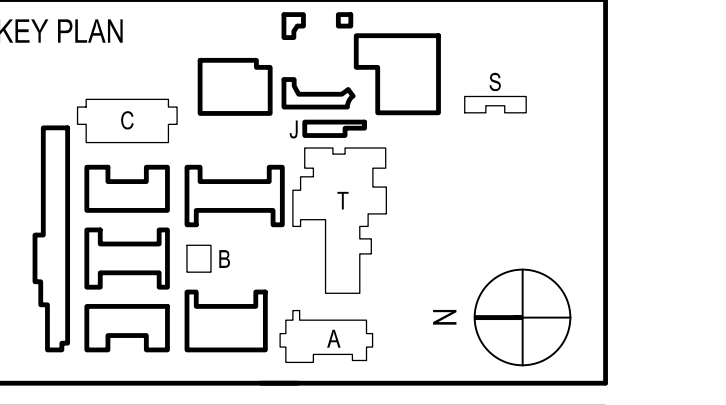
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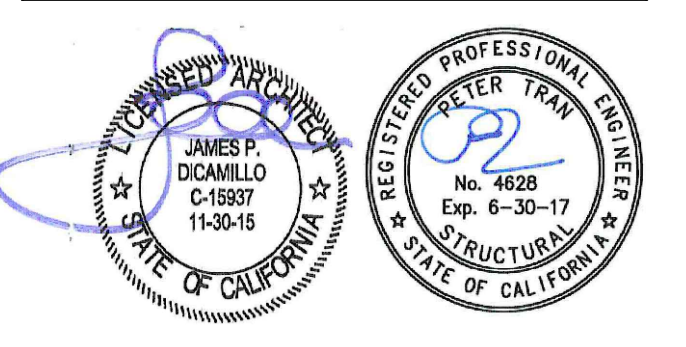
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DETAILS

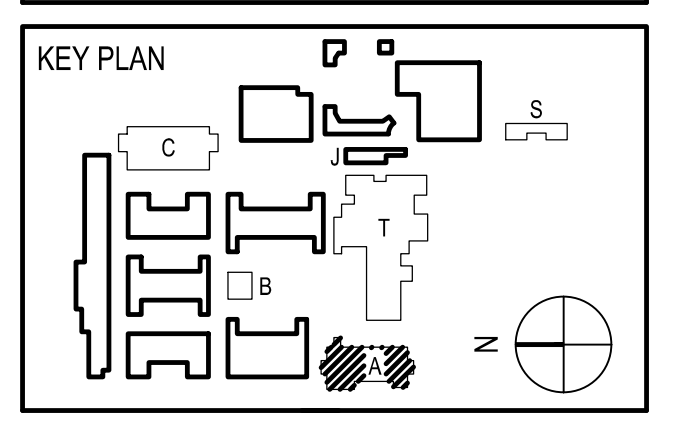
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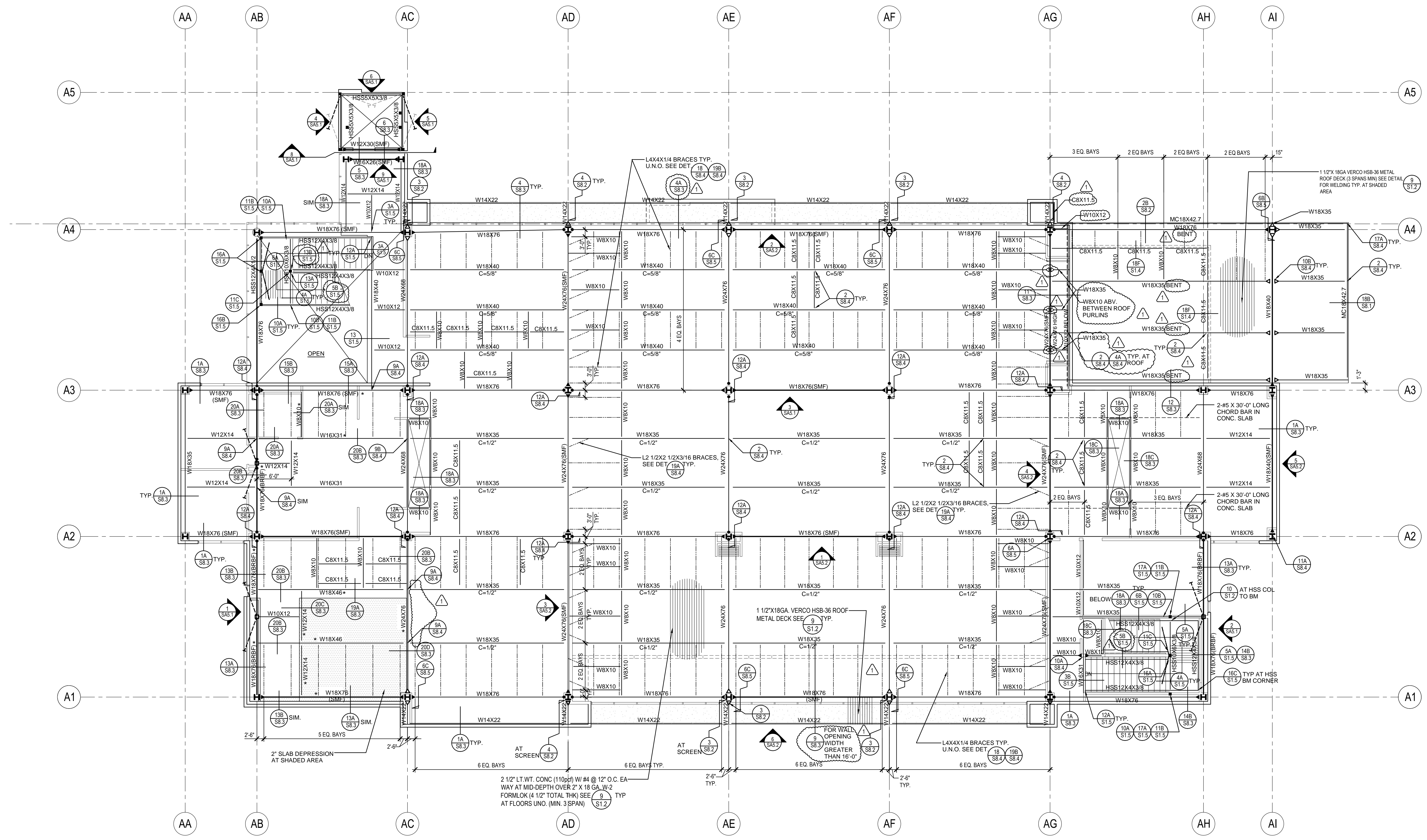


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**ADMIN/ LIBRARY
BUILDING "A" FLOOR
FRAMING PLAN**

DRAWING NUMBER: **SA2.2**

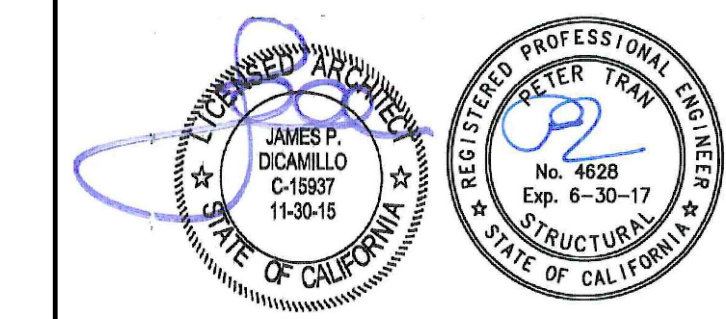


1 ADMIN. BUILDING "A" SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"

FRAMING NOTES:

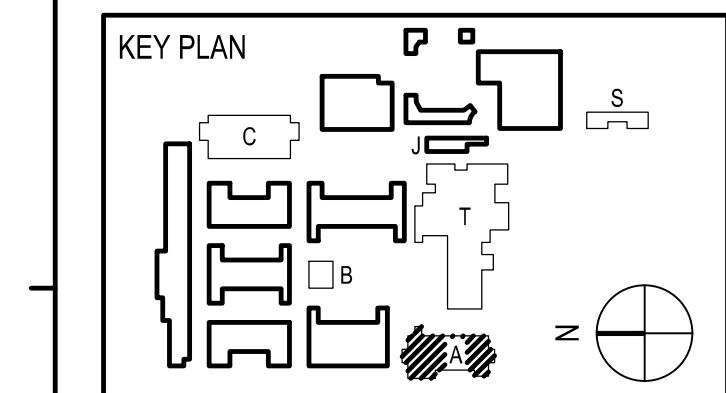
- *W12X... INDICATES PURLIN OR BEAM IS LOWERED FOR SLAB DEPRESSION PER DETAILS (15A S8.3, 15B S8.3, 15C S8.3, 15D S8.3, 15E S8.3, 15F S8.3, 15G S8.3, 15H S8.3, 15I S8.3, 15J S8.3, 15K S8.3, 15L S8.3, 15M S8.3, 15N S8.3, 15O S8.3, 15P S8.3, 15Q S8.3, 15R S8.3, 15S S8.3, 15T S8.3, 15U S8.3, 15V S8.3, 15W S8.3, 15X S8.3, 15Y S8.3, 15Z S8.3) U.N.O.
- FOR ADDITIONAL FRAMING NOTES SEE SHEET SA4.1
- WALL SURROUNDING RESTROOM SHALL HAVE CONC. CURB PER DETAIL (15A S8.3, 15B S8.3, 15C S8.3, 15D S8.3, 15E S8.3, 15F S8.3, 15G S8.3, 15H S8.3, 15I S8.3, 15J S8.3, 15K S8.3, 15L S8.3, 15M S8.3, 15N S8.3, 15O S8.3, 15P S8.3, 15Q S8.3, 15R S8.3, 15S S8.3, 15T S8.3, 15U S8.3, 15V S8.3, 15W S8.3, 15X S8.3, 15Y S8.3, 15Z S8.3)

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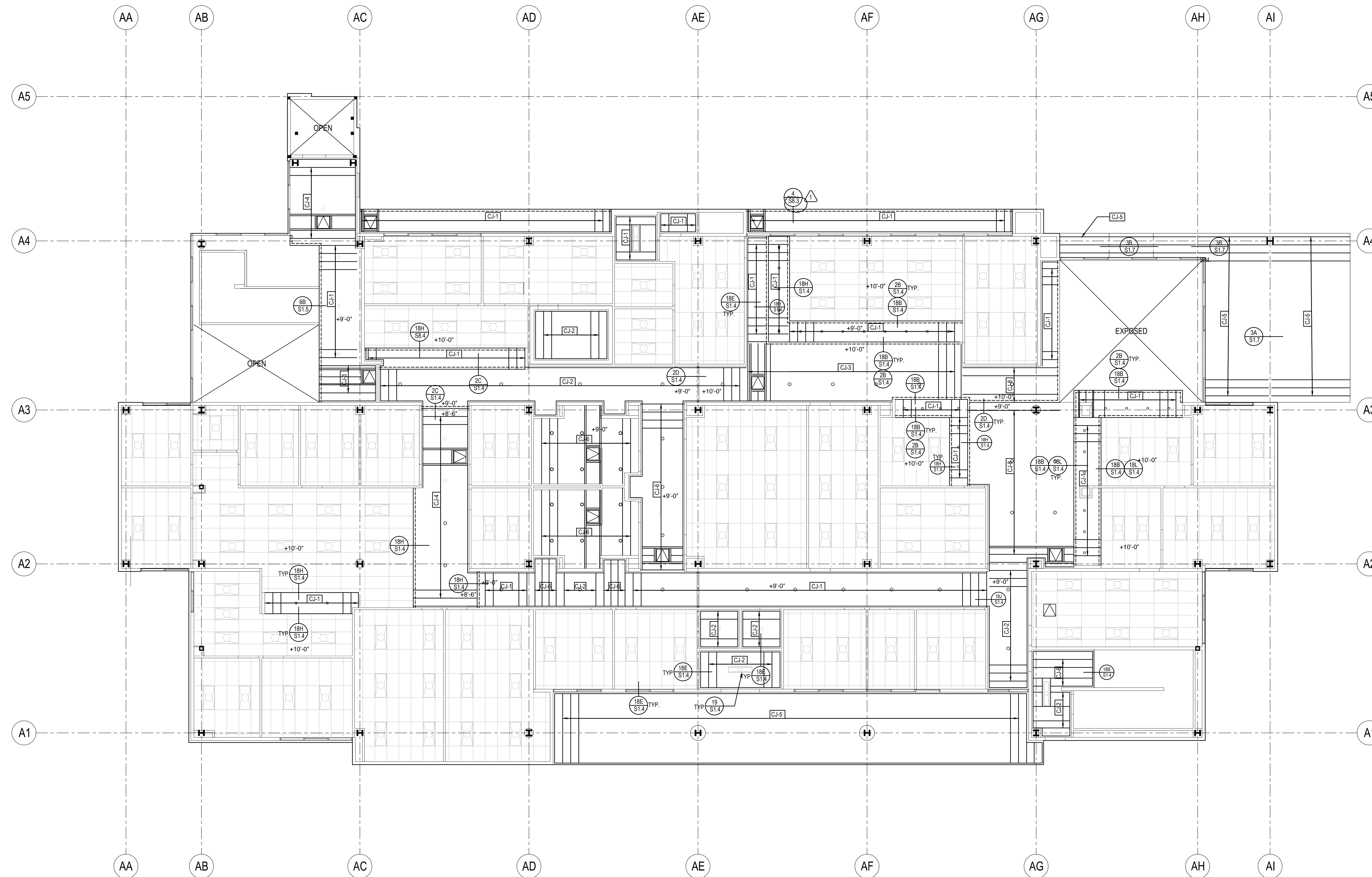


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05/29/2014		DSA SUBMITTAL
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**ADMIN BUILDING "A"
1ST FLOOR CEILING
FRAMING PLAN**

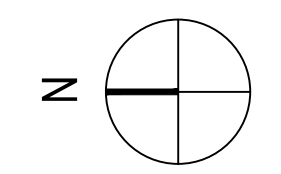
DRAWING NUMBER: **SA3.1**

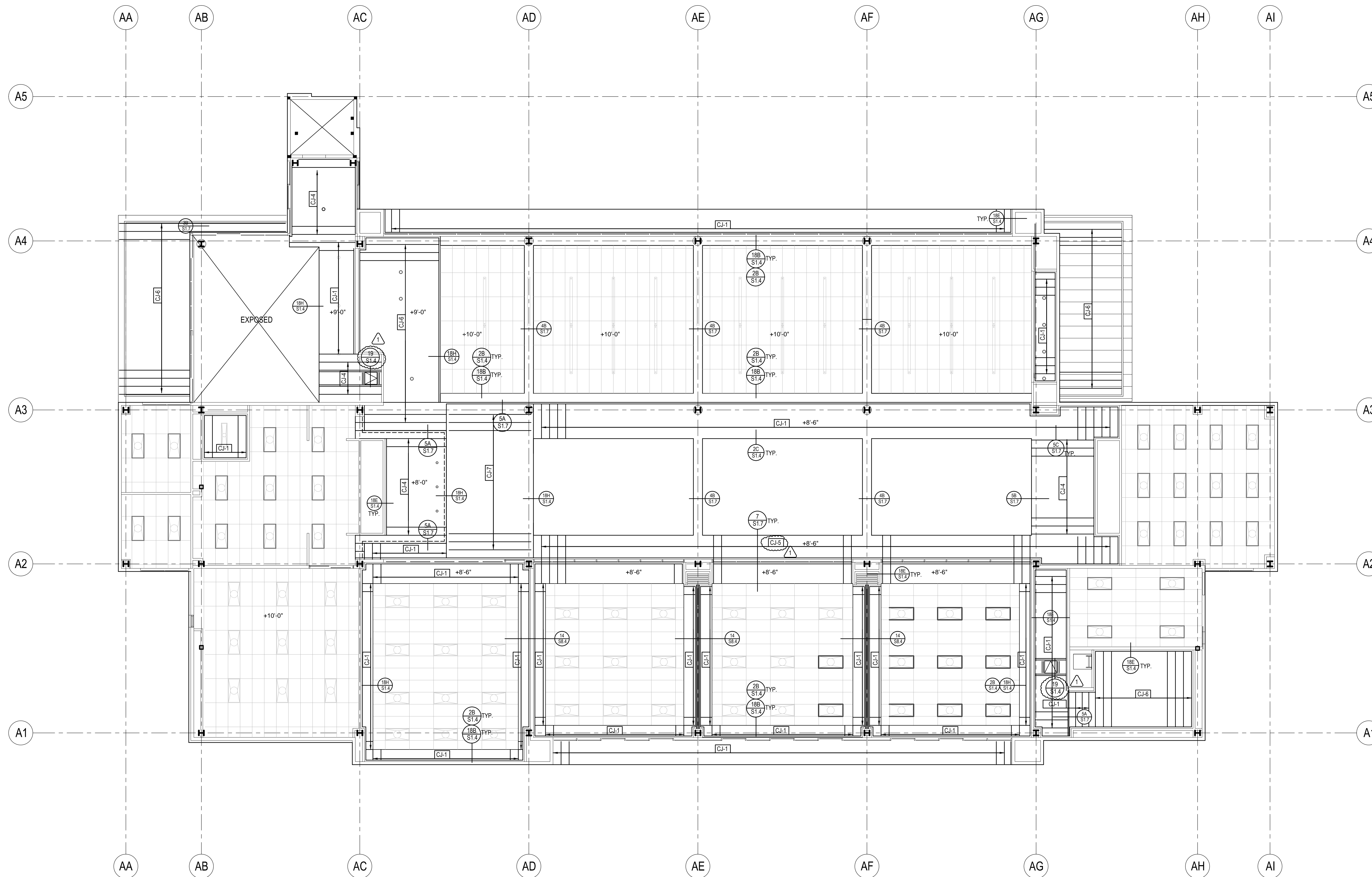


CEILING FRAMING NOTES:

- SEE DETAIL (14A, 18, 20) FOR CEILING SOFFIT FRAMING
- SEE DETAIL (19) FOR FRAMING AROUND CEILING OPENING
- PROVIDE SOLID BLKG @ 8'-0" MAX. O.C. ALONG CEILING JOISTS
- CJ-# : INDICATES CEILING JOIST PER SCHEDULE ON (3)
- SPAN CEILING JOIST ON SHORT DIMENSION OF ROOM U.N.O.
- FOR TYPICAL CEILING FRAMING TO STUD WALL. SEE DETAILS (18E, 2, 14A, 15, 1, 3, 4, 5)

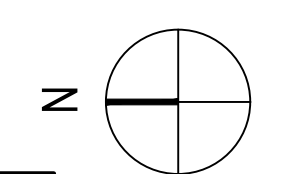
1 ADMIN. BUILDING "A" 1ST FLOOR CEILING FRAMING PLAN
1/8" = 1'-0"





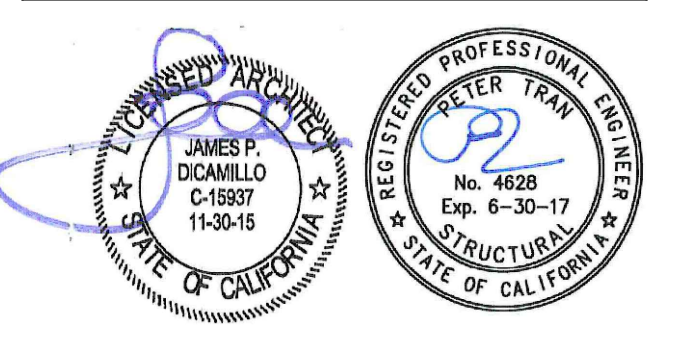
CEILING FRAMING NOTES:
 1. FOR CEILING FRAMING NOTES, SEE SHEET SA3.1

1 ADMIN. BUILDING "A" 2ND FLOOR CEILING FRAMNG PLAN
 1/8" = 1'-0"



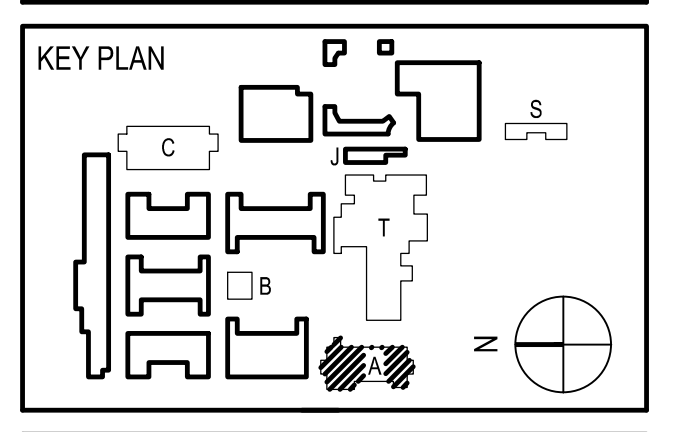
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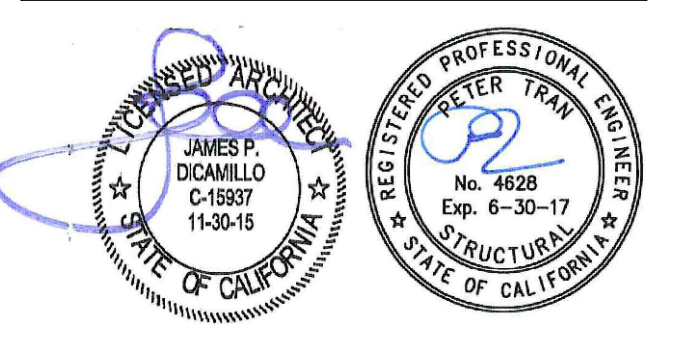
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DRWN: IDK CHKD: PT
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**ADMIN BUILDING "A"
 2ND FLOOR CEILING
 FRAMING PLAN**

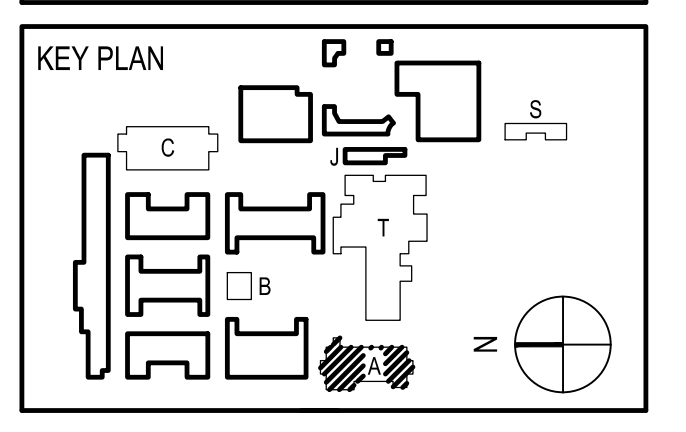
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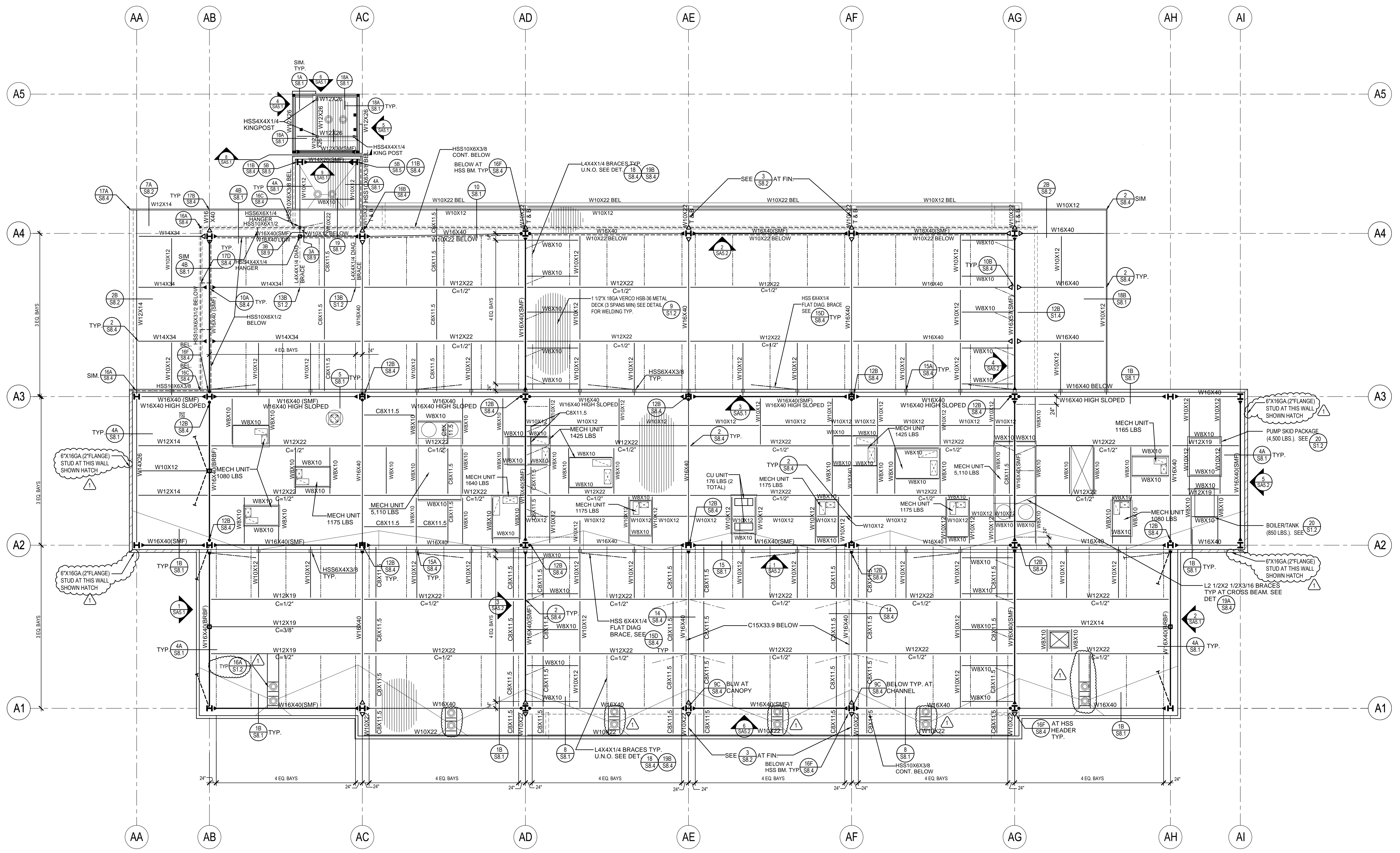


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NO	DATE	DESCRIPTION
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05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACKCHECK	
12/12/2015	ADDENDUM 1	

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DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

**ADMIN BUILDING "A"
ROOF
FRAMING PLAN**

DRAWING NUMBER: **SA4.1**

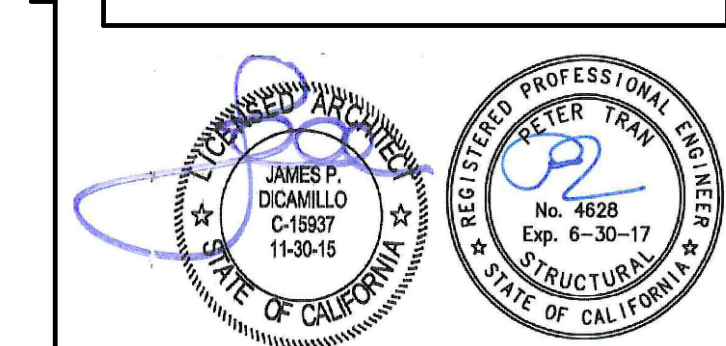


1 ADMIN. BUILDING "A" ROOF FRAMING PLAN
1/8" = 1'-0"

FRAMING NOTES:

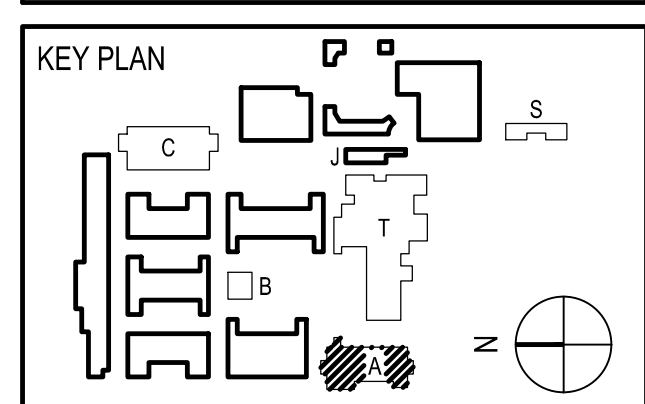
- FOR SIZE AND LOCATION OF ROOF AND FLOOR OPENINGS AND MECHANICAL ROOF MOUNTED EQUIPMENT, (WHERE APPLICABLE) SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING AND LATERAL BRACINGS FOR ALL FRAMING ERECTION TO RESIST ALL EXTERNAL LOADS FOR SAFETY.
- FOR ROOF OPENINGS SEE DETAIL ¹⁶/_{ST12}
- ROOF AND FLOOR DECK SHALL BE CONTINUOUS OVER FOUR SUPPORTS (CONTINUOUS 3-SPAN) UNLESS NOTED OTHERWISE ON PLANS
- FOR DECK WELDING SEE DETAIL ⁹/_{ST12}
- DECK WELDING SHALL BE INSPECTED BY A SPECIAL INSPECTOR AND THE STRUCTURAL ENGINEER PRIOR TO THE APPLICATION OF FINISH MATERIALS
- FIELD WELDING AND HIGH STRENGTH BOLT INSTALLATION (ASTM A-325) SHALL HAVE A "SPECIAL INSPECTION" BY A CERTIFIED SPECIAL INSPECTOR
- FOR NON BEARING WALL CONSTRUCTION SEE DETAILS ¹¹/_{ST14}, ¹²/_{ST14}, ¹⁷/_{ST14}, ¹⁸/_{ST14} AND ARCHITECTURAL DRAWINGS.
- ALL ROOF MOUNTED MECHANICAL UNITS SHALL BE FRAMED PER ³/_{ST17} & ⁴/_{ST17}
- "C" = DENOTES BEAM CAMBER AT MID-LENGTH
(SMF) : INDICATES SPECIAL MOMENT FRAME W/ FULL-PEN WELDING CONNECTION. PART OF SFRS.
- INDICATES MOMENT CONNECTION W/ FULL-PEN WELDING AT NON-SFRS MOMENT FRAME
- INDICATES DRAG BEAMS AND CONNECTIONS. PART OF SFRS.
- 1 1/2"X18GA VERO B-FORMLOK FLOORDECK (3/4" THICK TOTAL THICKNESS W/ LT. WT. CONC. FILL (F=3ks) W/ #3@19" O.C. EA. WAY AT MID DEPTH W/ WELD PATTERN & TSW @ 12" O.C. TYP. AT FLOOR U.N.O. SEE ⁹/_{ST12}
- SEE DETAIL ⁷/_{ST12} FOR MECHANICAL UNIT PLATFORM FOR UNITS NOT LIMITING TO CONDENSING UNIT, HEAT PUMP UNIT ETC...
- SEE DETAIL ^{18A}/_{ST14} FOR TYP. SOFFIT SUPPORT
- FOR SMALL SUPPORT BEAM TO LARGE BEAM, USE NUMBER OF BOLTS FOR SMALL BEAM. SEE DET ²/_{SB4}
- * W12X : INDICATES PURLIN OR BEAM IS LOWERED FOR SLAB DEPRESSION PER DETAILS ^{15A}/_{SB3}, ^{16A}/_{SB3}, ¹⁹/_{SB3}, ²⁰/_{SB3} U.N.O.
- SEE DETAIL ^{18K}/_{ST4} FOR METAL LATERAL BRACING TYP.
- FOR SUPPORT OF EXHAUST FANS USE DETAIL ²⁰/_{ST12} U.N.O.
- ALL METAL STUD WALLS SHALL BE BRACED Laterally TO EACH STEEL BEAM PER DETAIL ^{14B}/_{ST4} U.N.O.
- (BRBF) INDICATES BUCKLING RESTRAINED BRACE FRAME (BRBF). PART OF SFRS
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS
- FRAME OUT OPENING FOR ROOF DRAIN PER DETAIL ^{16A}/_{ST12} TYP. U.N.O.
- ALL BENT BEAM OR PURLIN SHALL BE PER DETAIL ^{4A}/_{SB4} TYP. U.N.O.

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ROWLAND HEIGHTS, CALIFORNIA



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REGISTRATION STAMP
STATE OF CALIFORNIA ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 03-115771
FILE: 19-H54 AC FLS SS
DATE

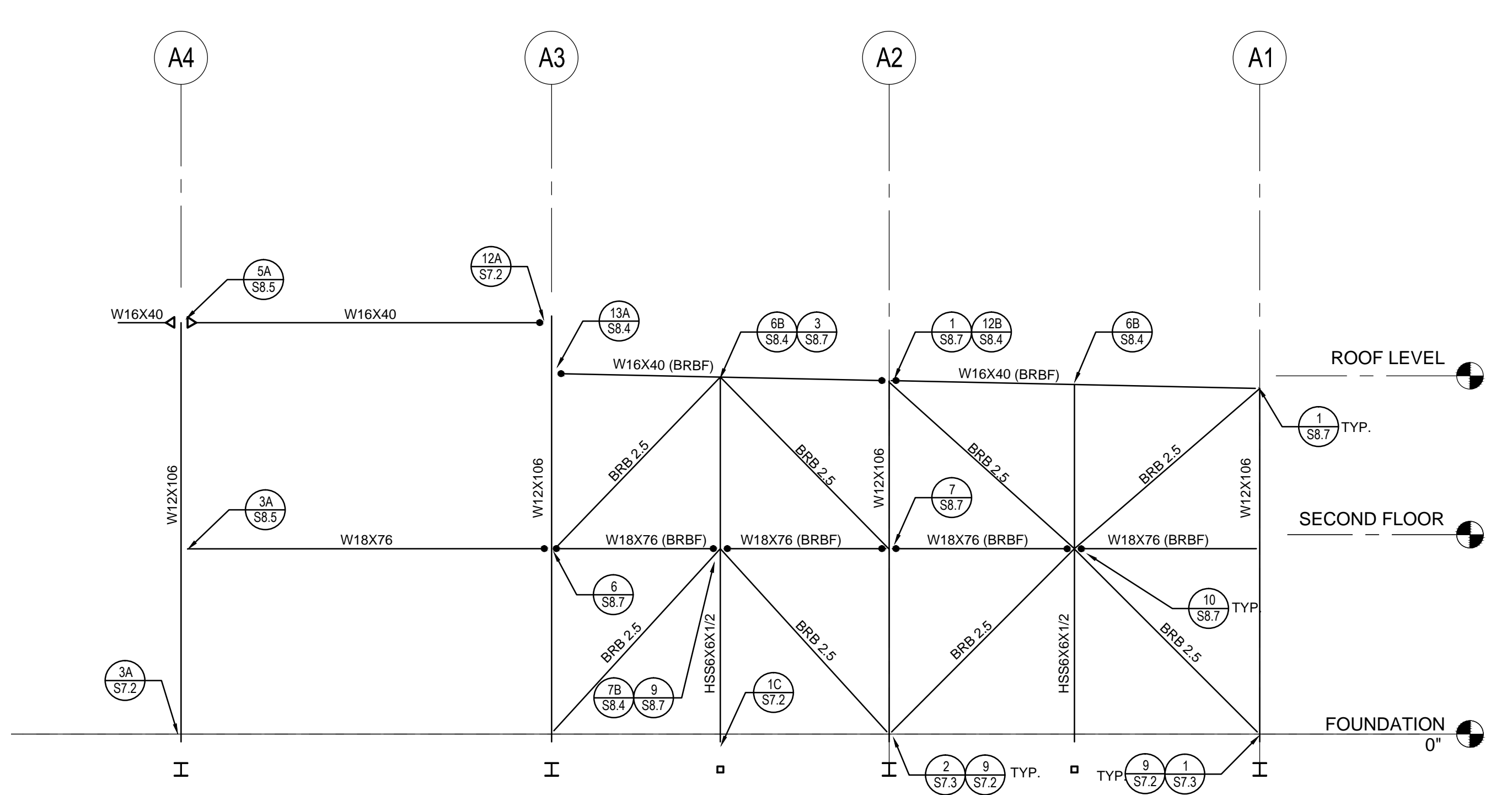


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02	12/17/2014	100% DESIGN DEVELOPMENT
05	08/20/2014	90% CD PROGRESS
08	05/29/2014	DSA SUBMITTAL
04	08/20/2015	DSA BACKCHECK
12	12/12/2015	ADDENDUM 1

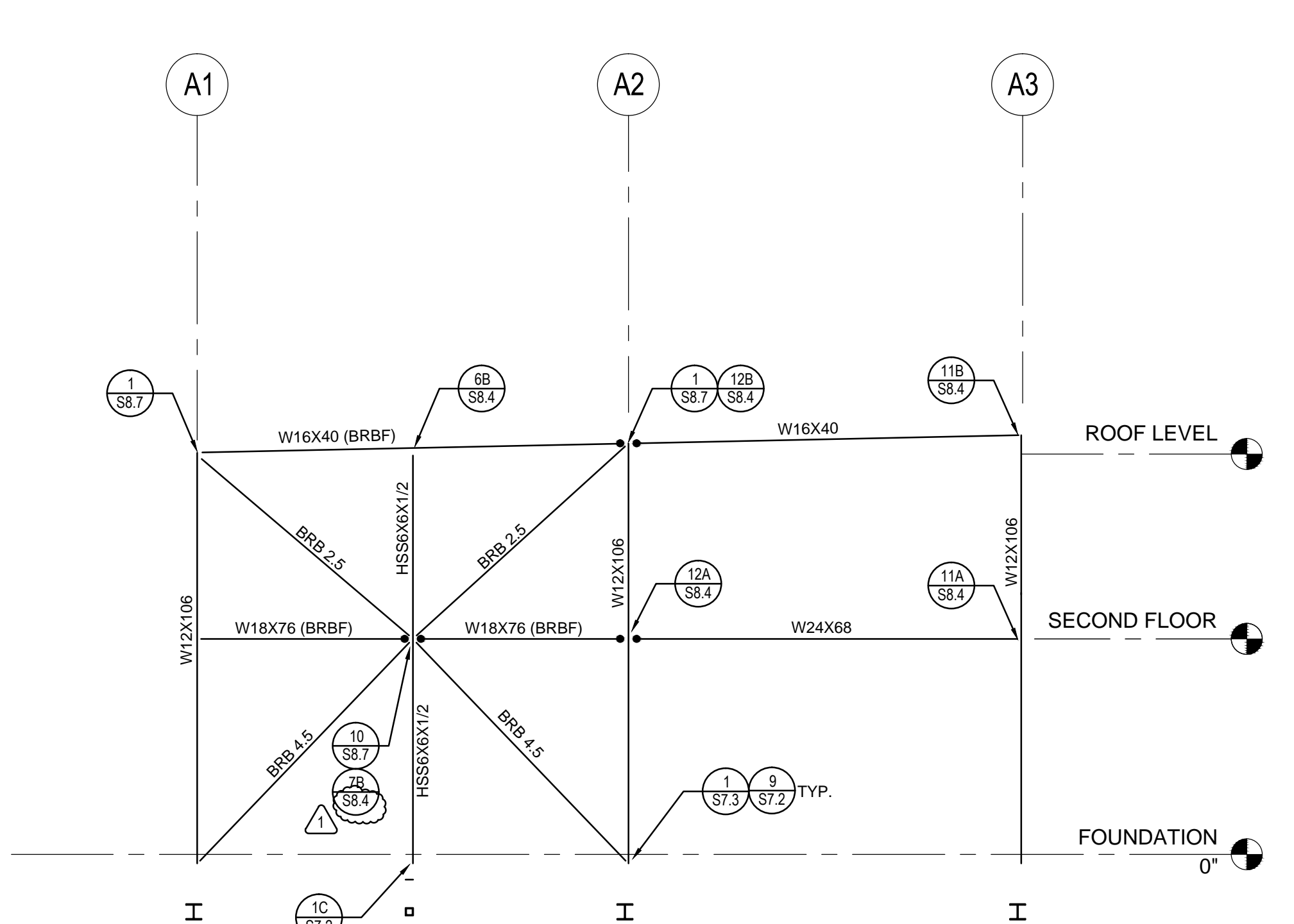
DRWN: IDK CHKD: PT
DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

**ADMIN BUILDING "A"
FRAME
ELEVATIONS**

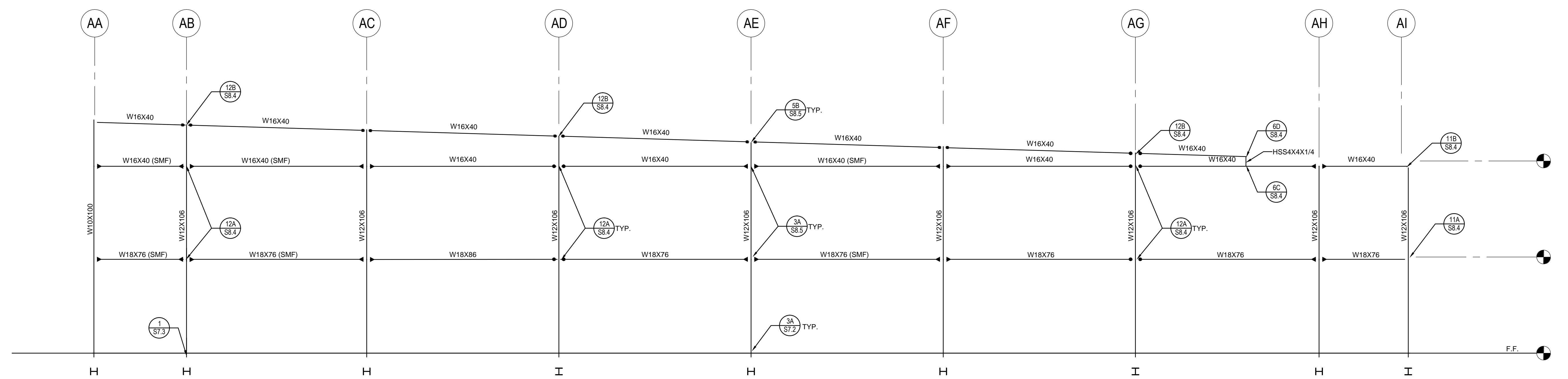
DRAWING NUMBER: **SA5.1**



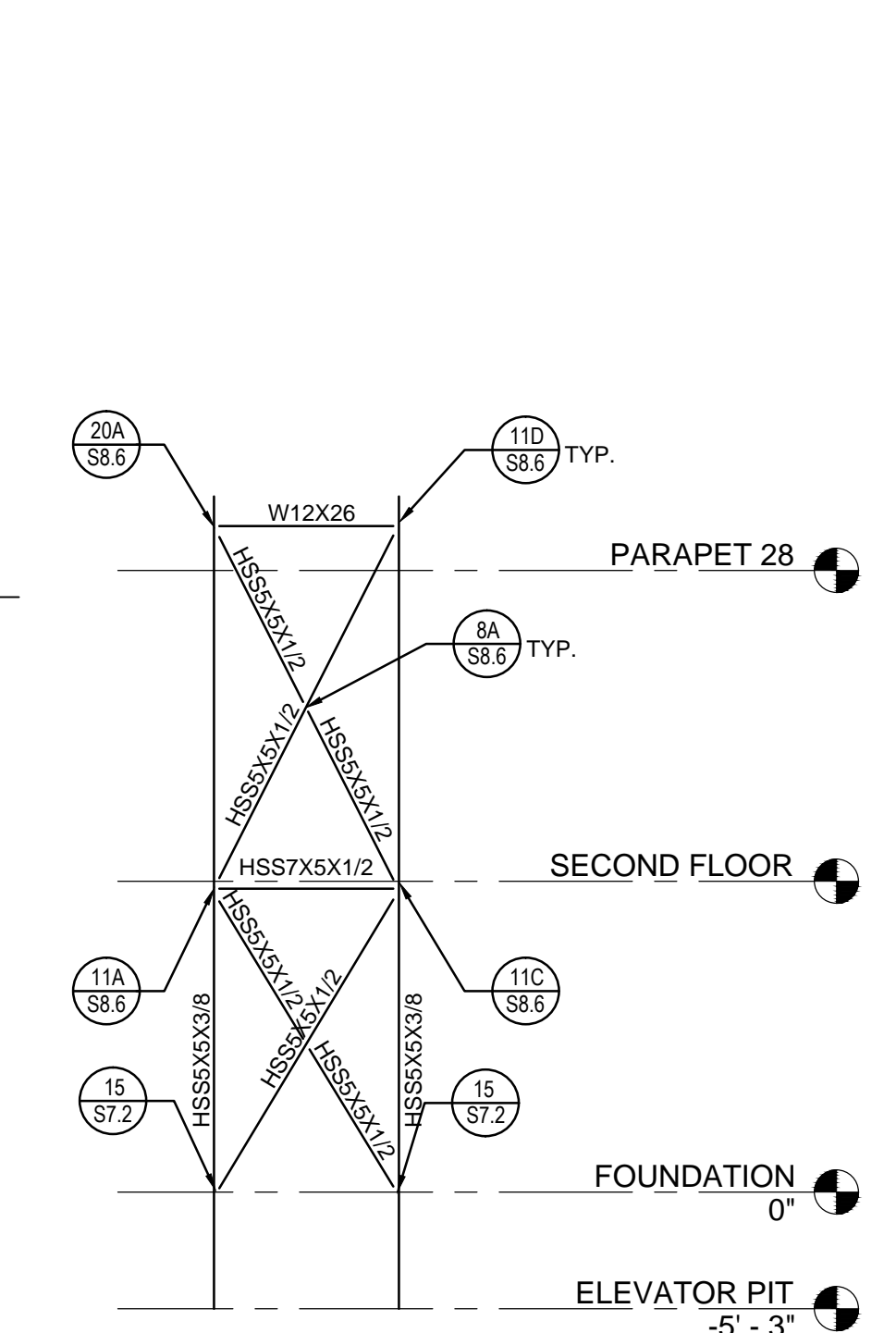
1 ADMIN. BUILDING "A" - LINE AB (BRACED FRAME)
1/8" = 1'-0"



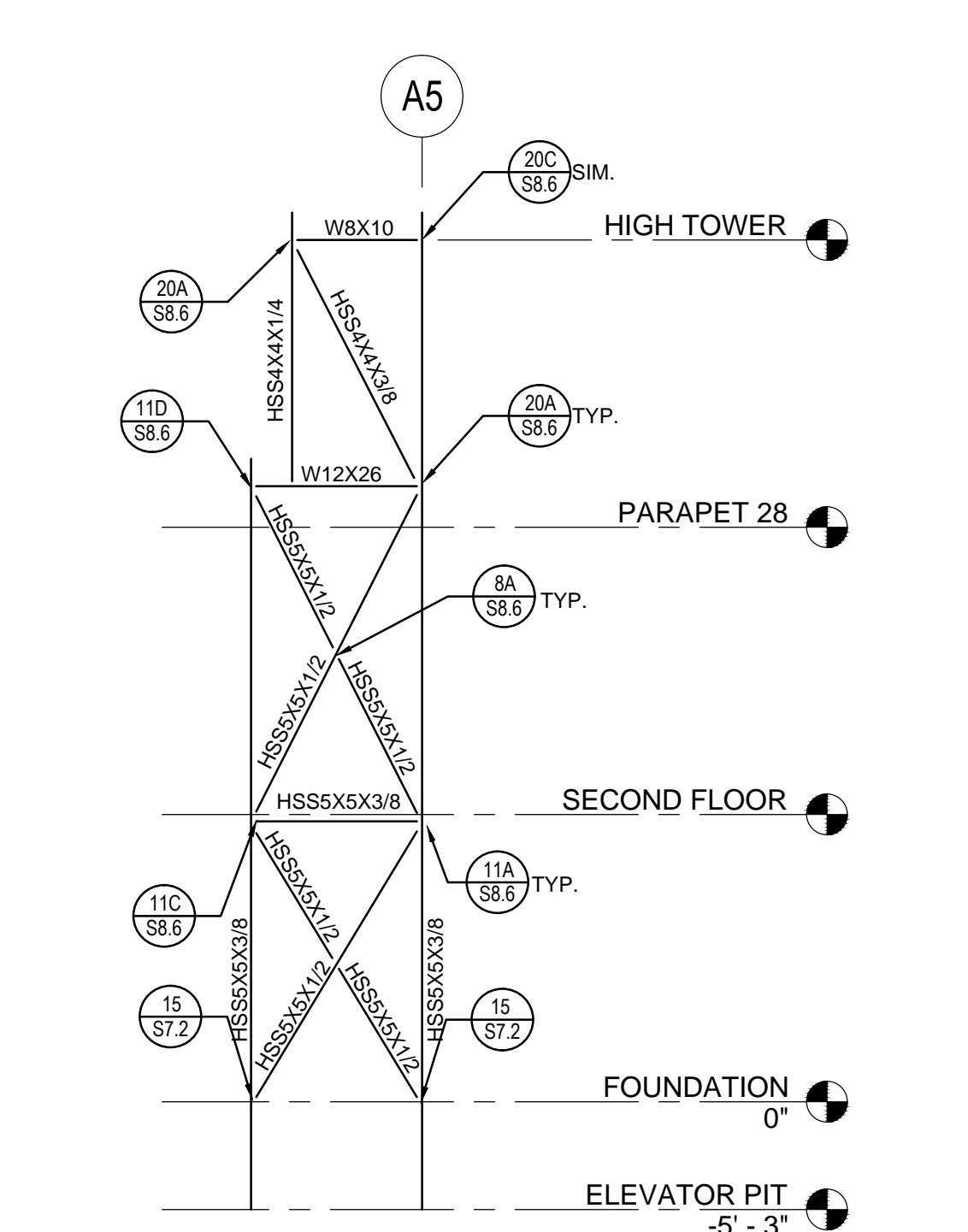
2 ADMIN. BUILDING "A" - LINE AH (BRACED FRAME)
1/8" = 1'-0"



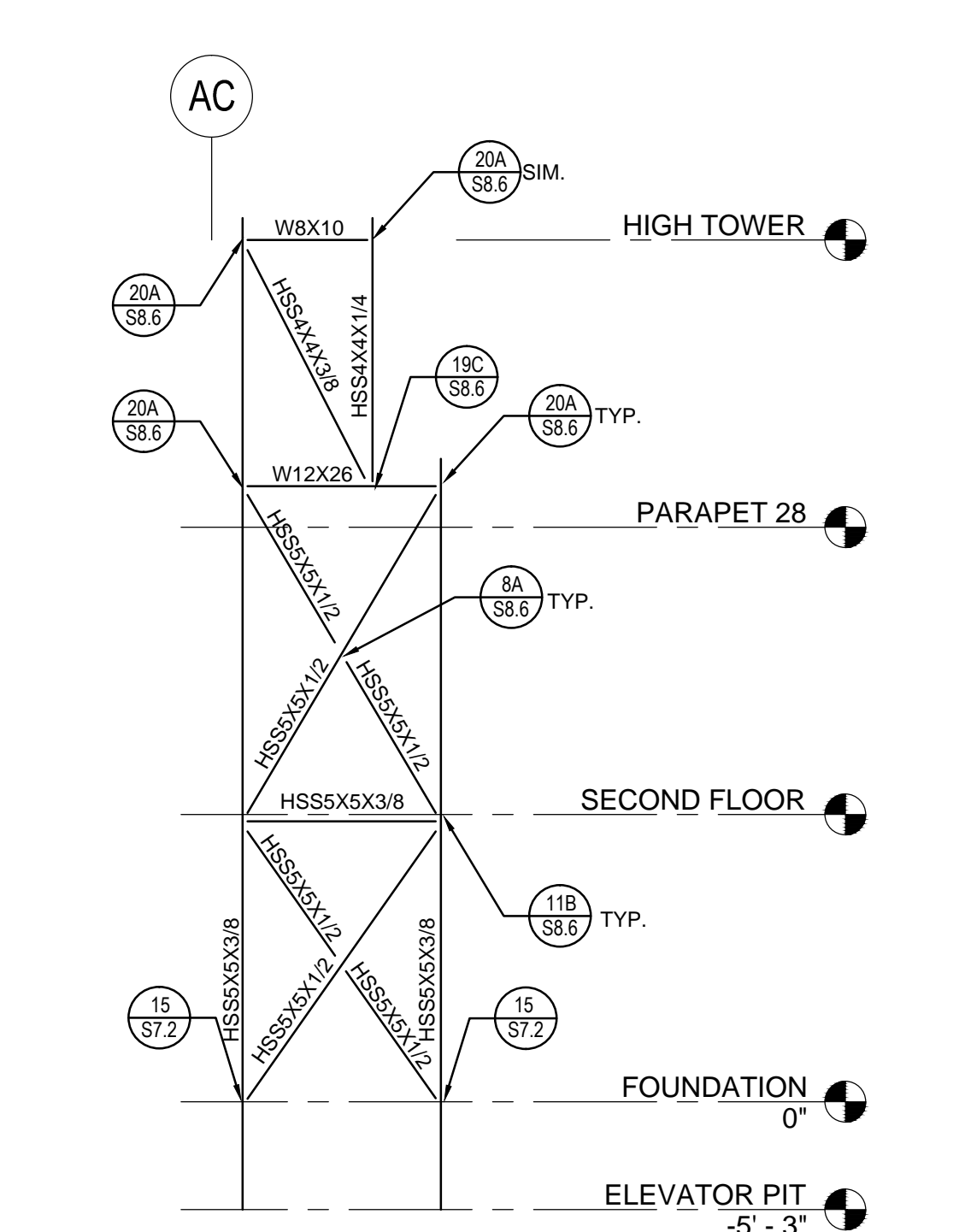
3 ADMIN. BUILDING "A" - LINE A3
1/8" = 1'-0"



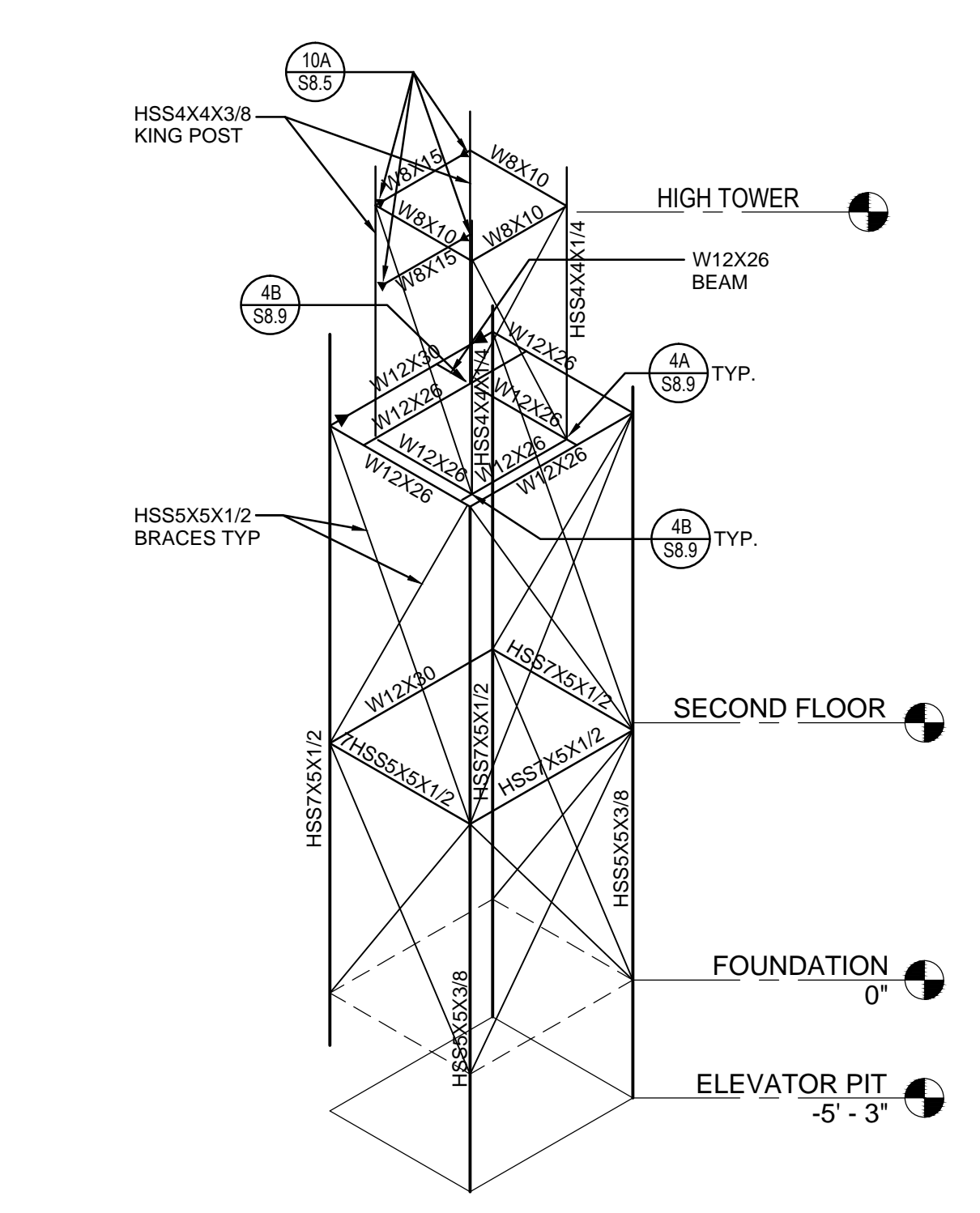
4 ADMIN. BUILDING "A" - ELEV
1/8" = 1'-0"



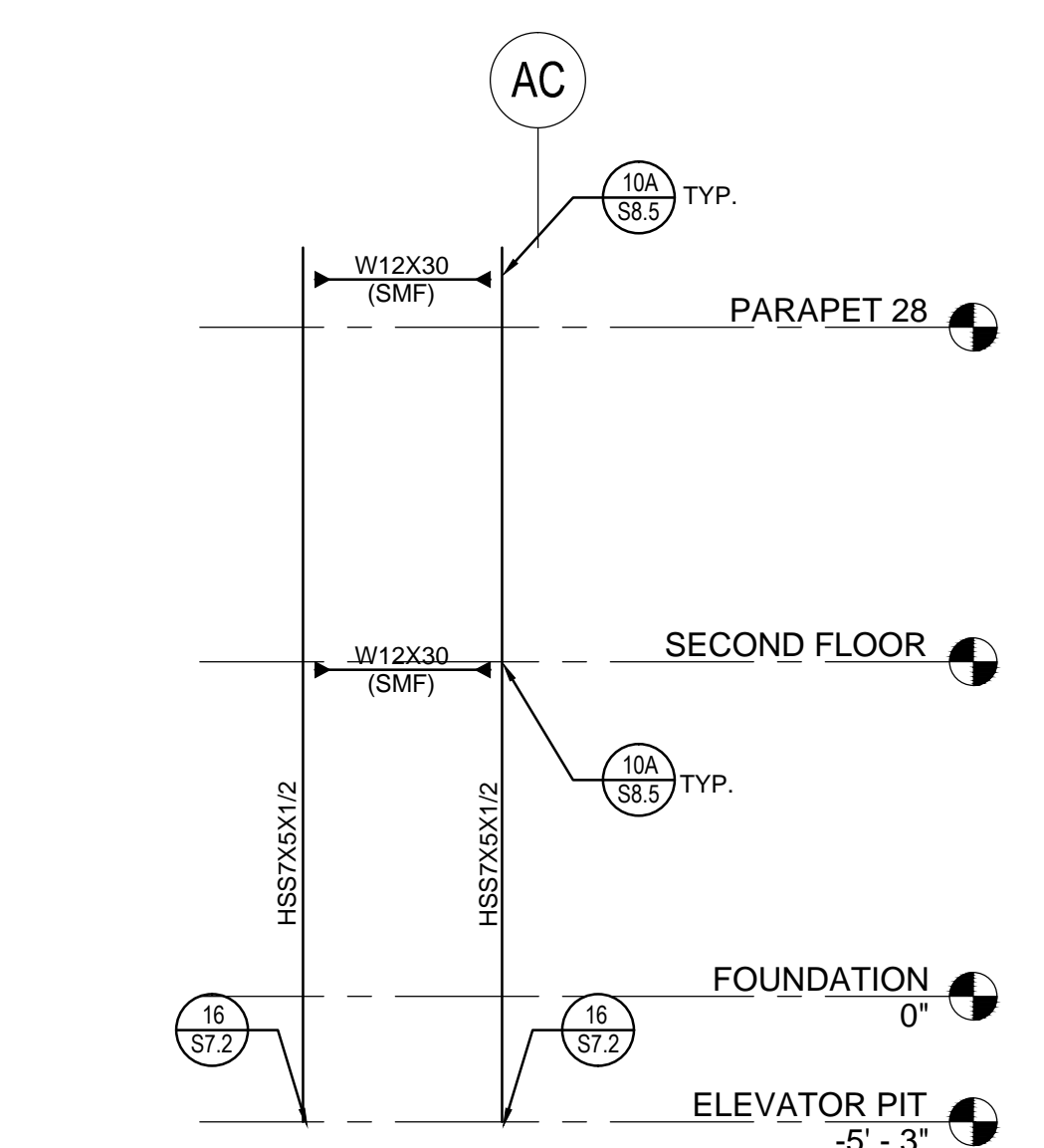
5 ADMIN. BUILDING "A" - ELEV - AC
1/8" = 1'-0"



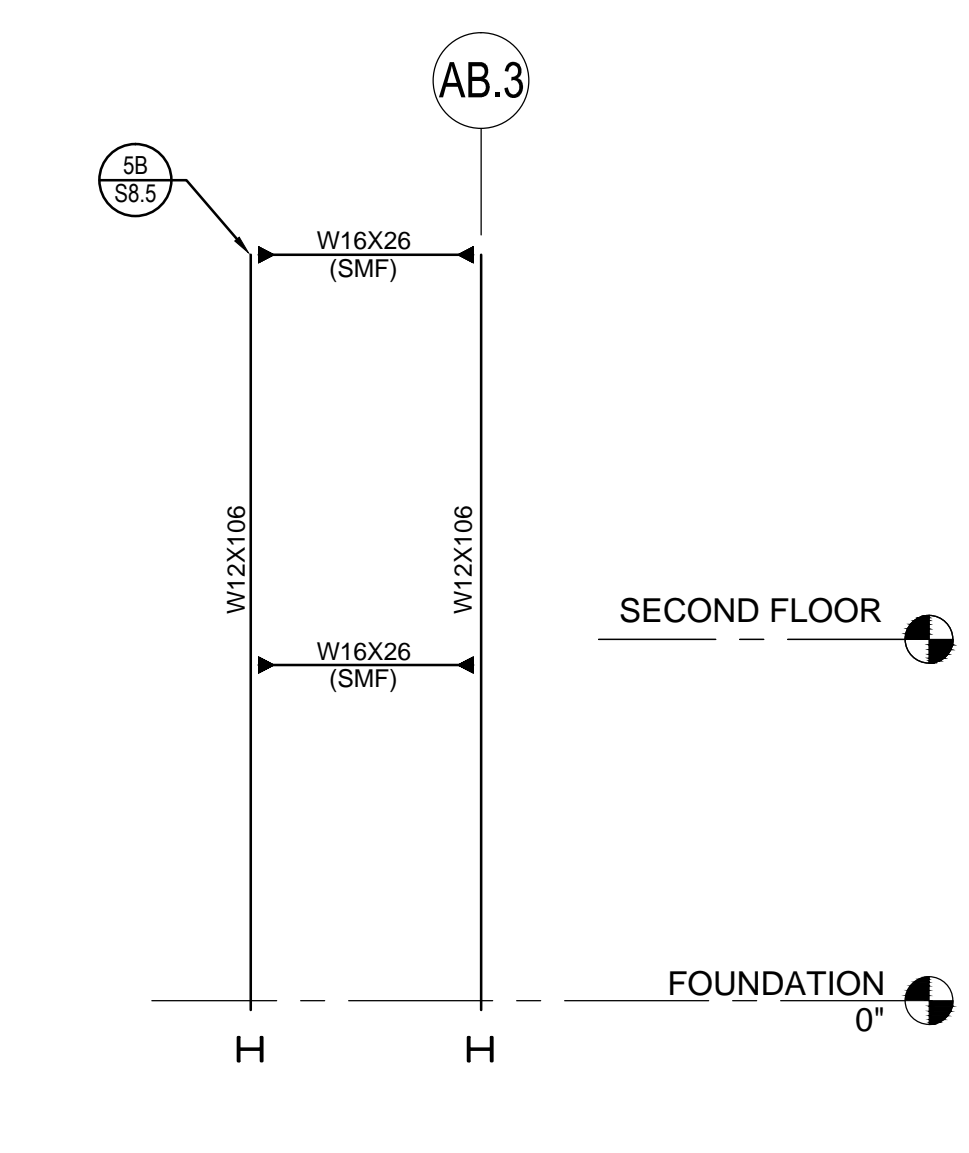
6 ADMIN. BUILDING "A" - ELEV - A5
1/8" = 1'-0"



7 ADMIN. BUILDING "A" - TOWER ISOMETRIC VIEW
1/8" = 1'-0"

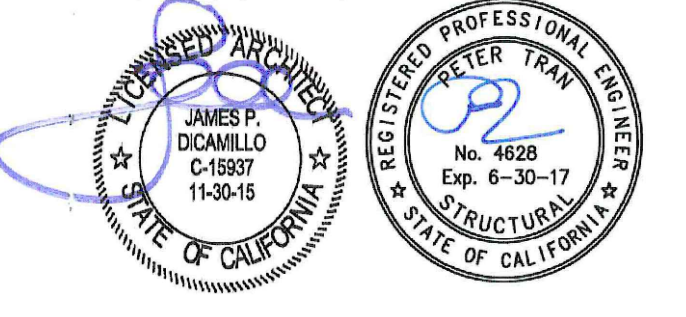


8 ADMIN. BUILDING "A" - ELEV
1/8" = 1'-0"



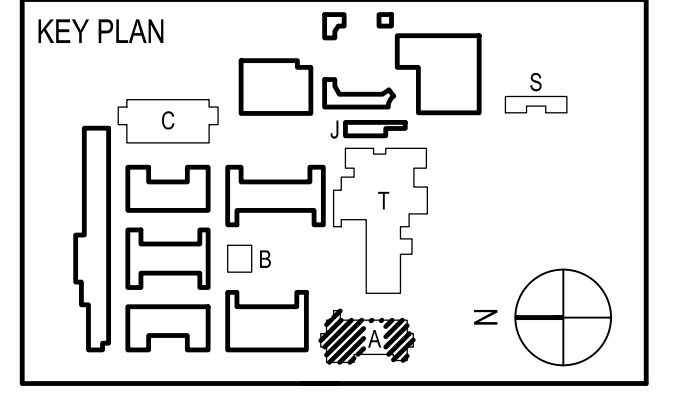
9 ADMIN. BUILDING "A" - ELEV
1/8" = 1'-0"

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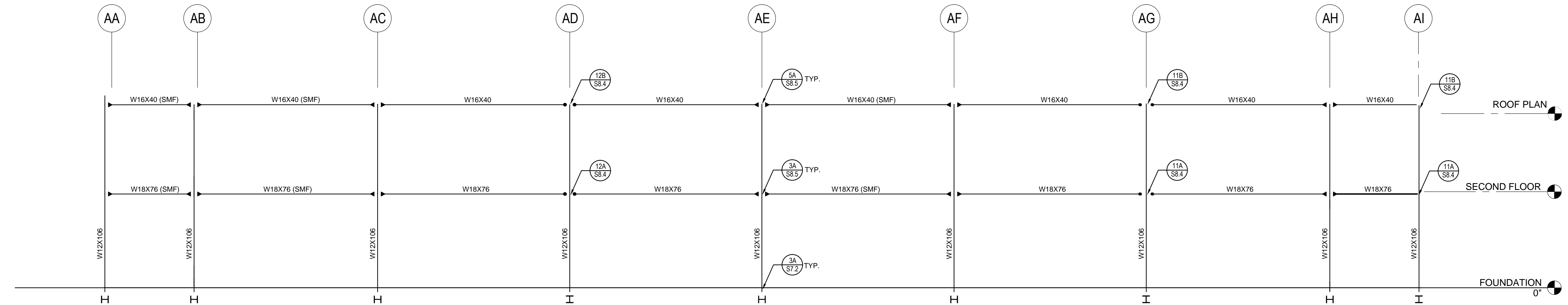


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02	12/17/2014	100% DESIGN DEVELOPMENT
05	08/20/2014	90% CD PROGRESS
08	29/2014	DSA SUBMITTAL
04	08/2015	DSA BACKCHECK
12	12/2015	ADDENDUM 1

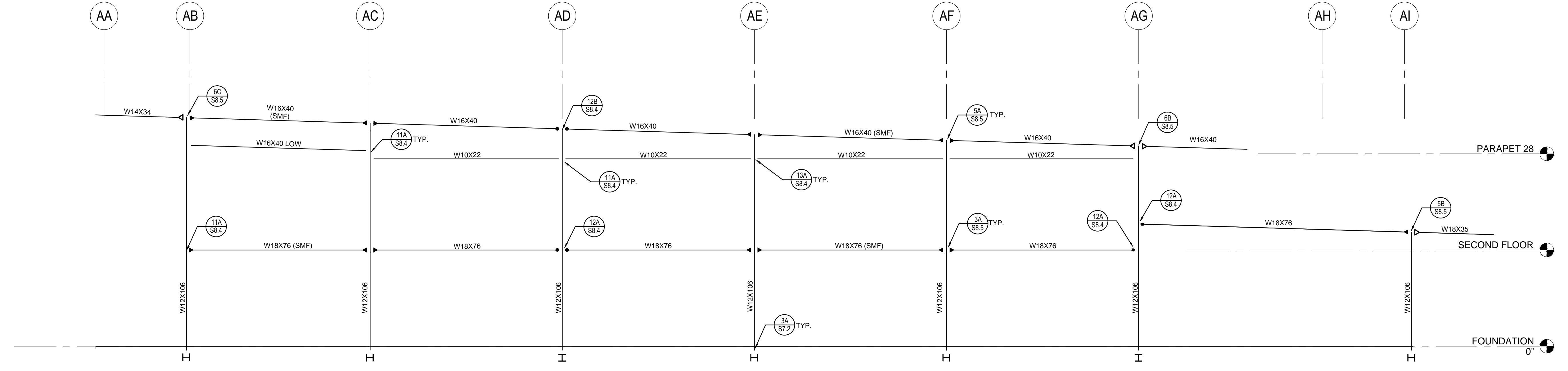
DRWN: IDK CHKD: PT
DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

**ADMIN BUILDING "A"
FRAME
ELEVATIONS**

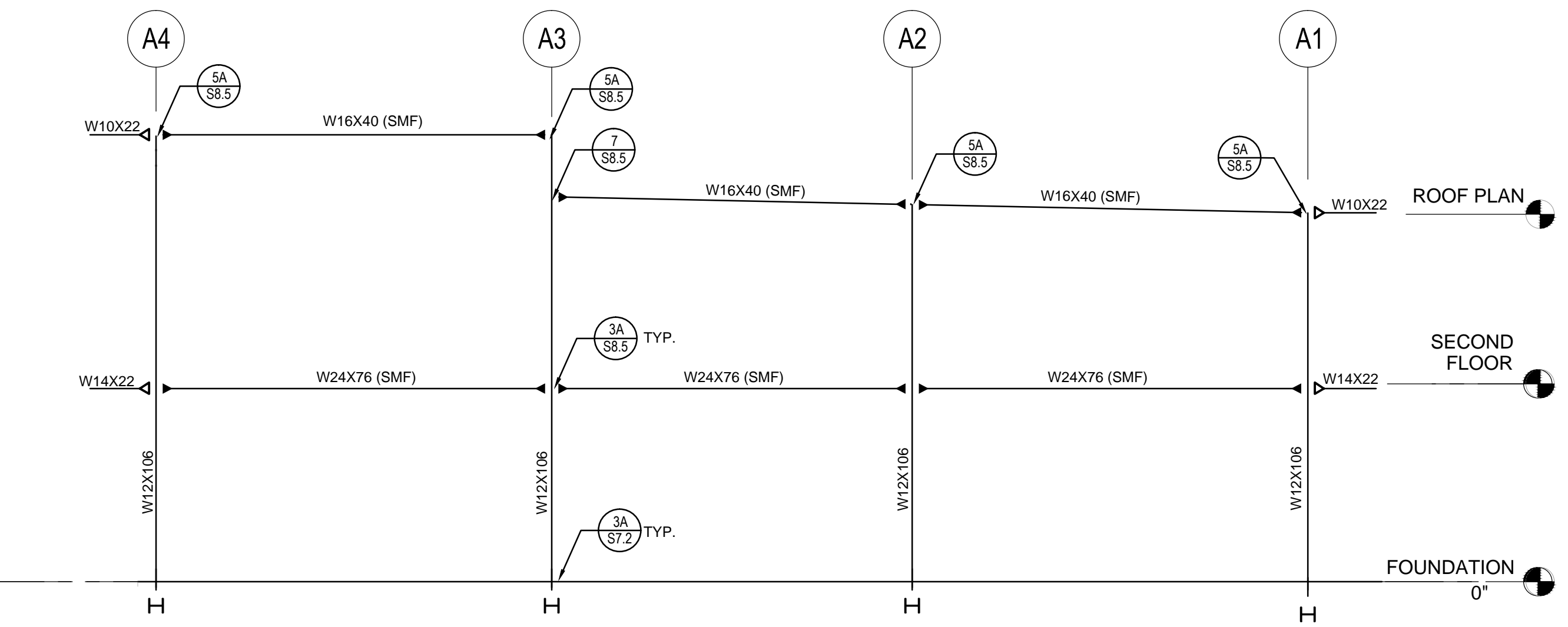
DRAWING NUMBER: **SA5.2**



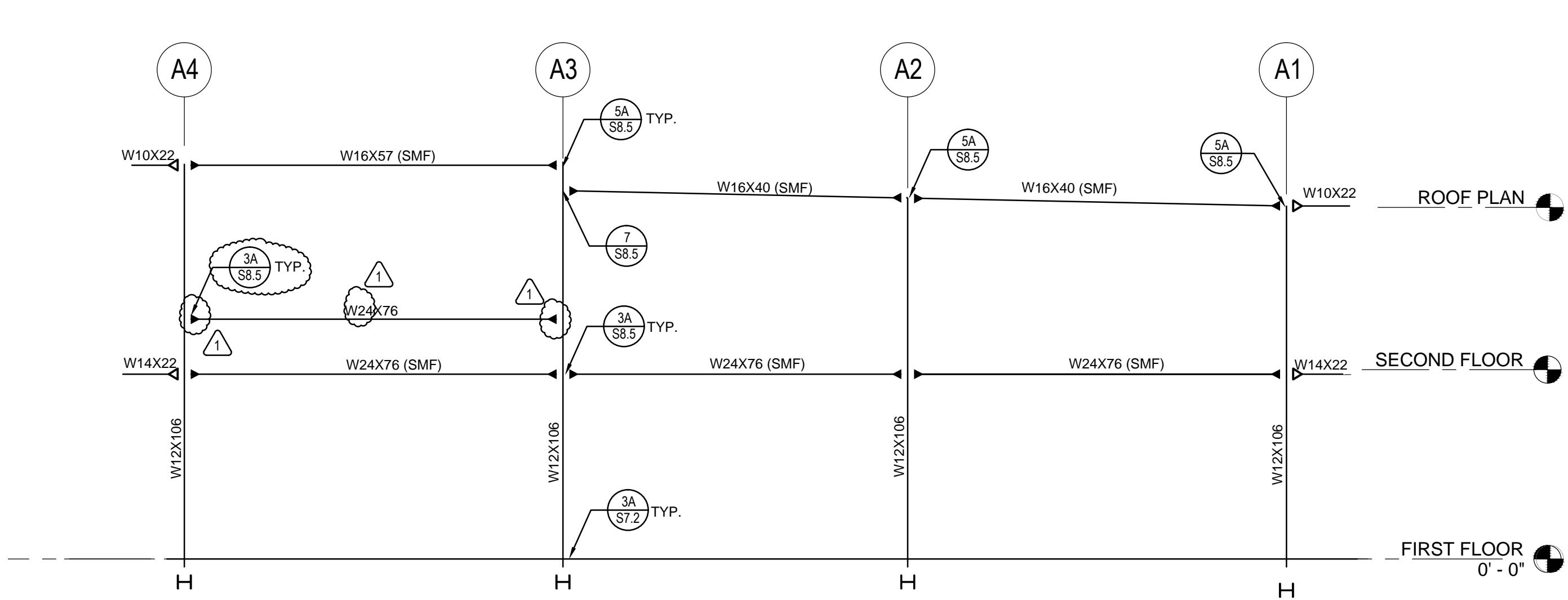
1 ADMIN. BUILDING "A" - ELEV - A2
1/8" = 1'-0"



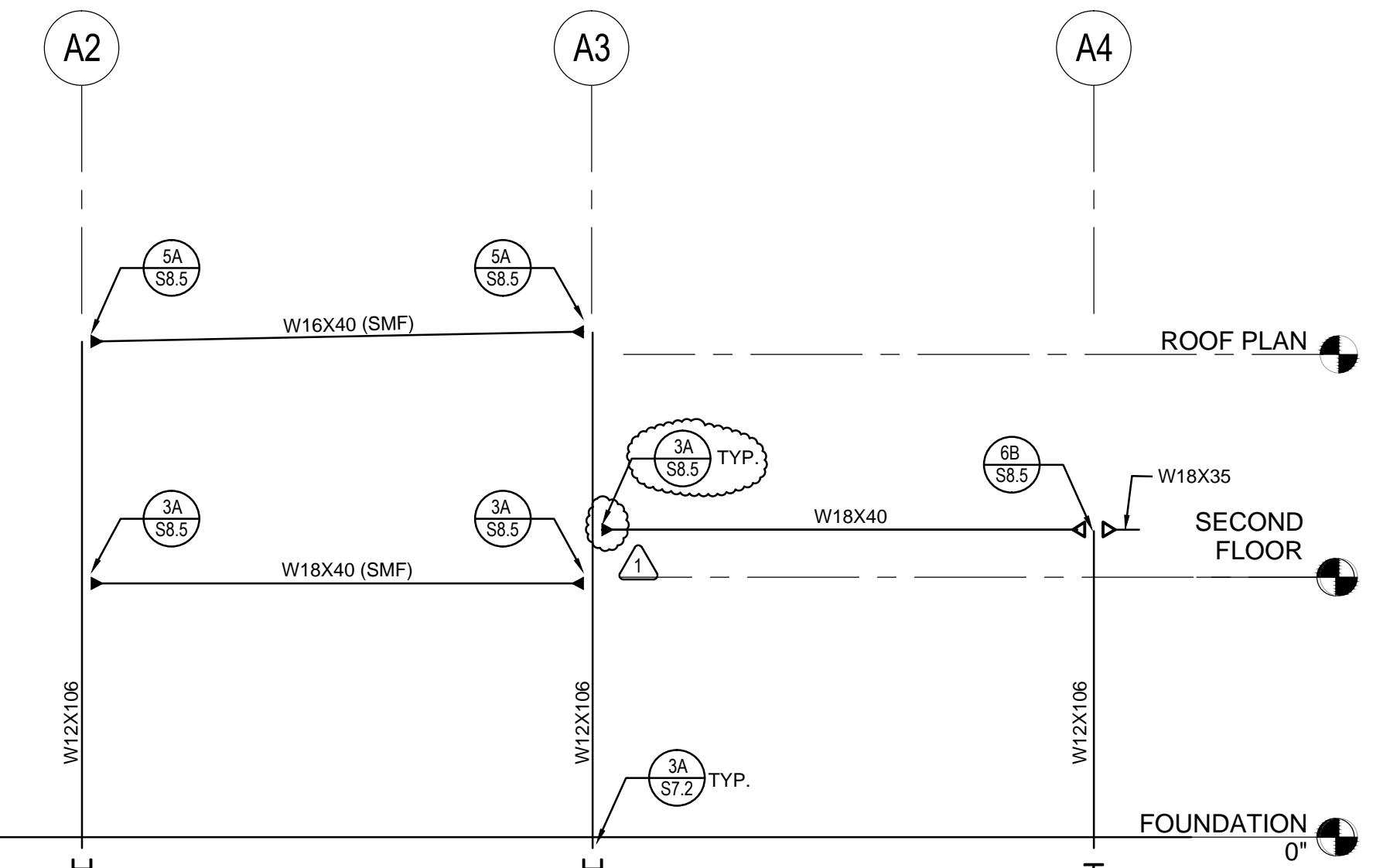
2 ADMIN. BUILDING "A" - ELEV - A4
1/8" = 1'-0"



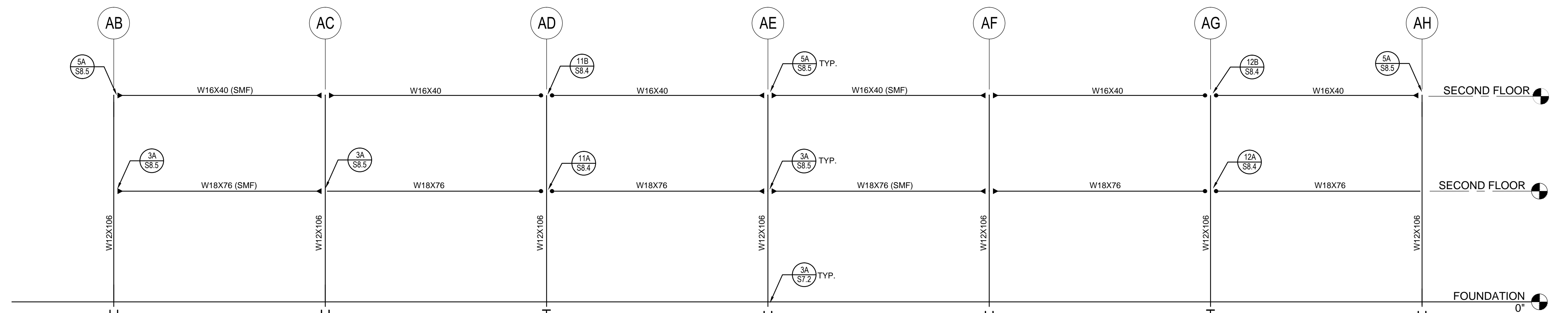
3 ADMIN. BUILDING "A" - ELEV - AD
1/8" = 1'-0"



4 ADMIN. BUILDING "A" - ELEV - AG
1/8" = 1'-0"



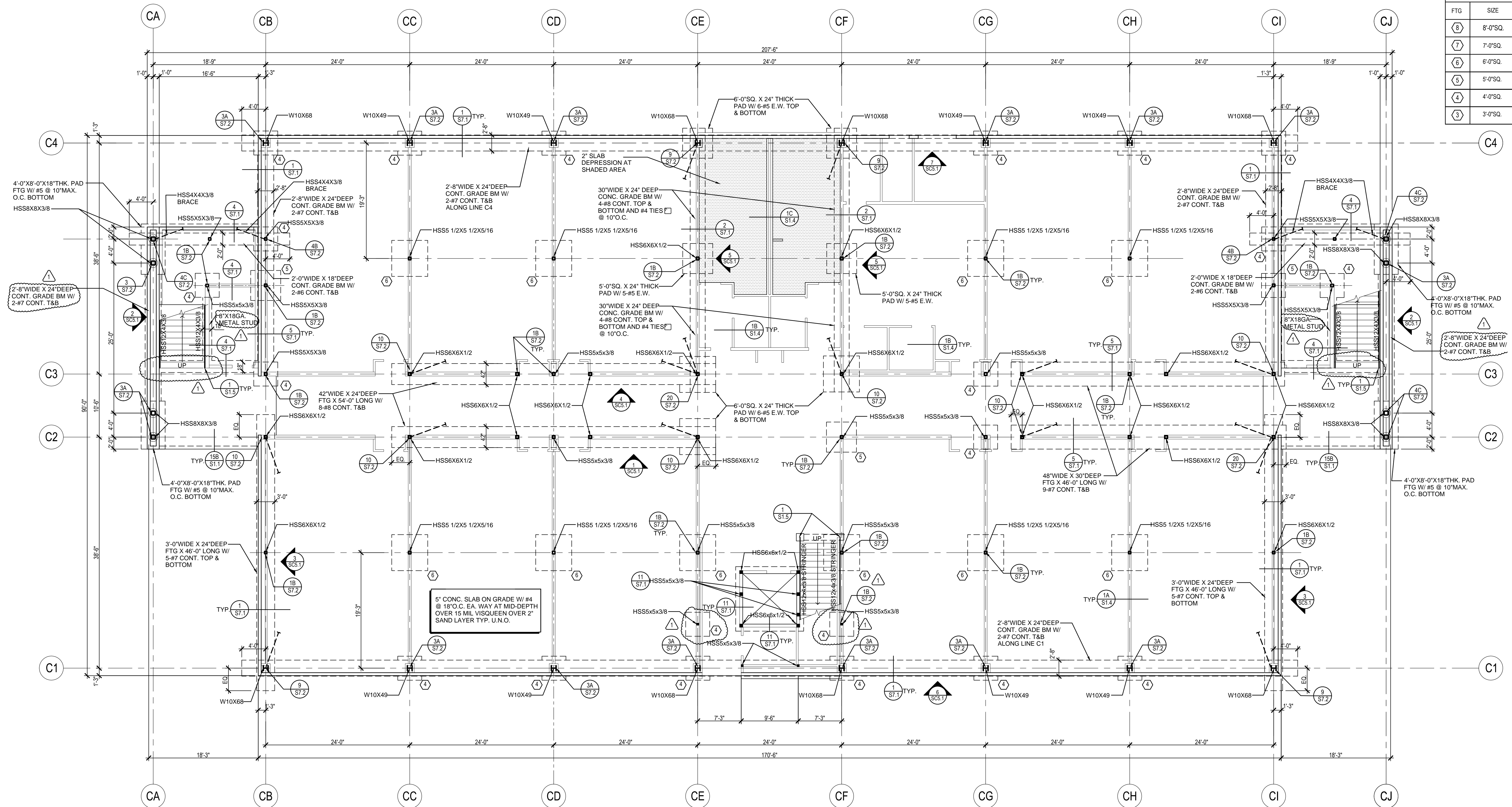
5 ADMIN. BUILDING "A" - ELEV - AI
1/8" = 1'-0"



6 ADMIN. BUILDING "A" - ELEV - A1
1/8" = 1'-0"

FOUNDATION NOTES:
 1. FOR FOUNDATION NOTES, SEE SHEET SA2.1

FOOTING PAD SCHEDULE			
FTG	SIZE	THICK	REINF.
6	8'-0" SQ.	24"	8-#6 E.W. BOTTOM
7	7'-0" SQ.	24"	7-#6 E.W. BOTTOM
8	6'-0" SQ.	24"	6-#5 E.W. BOTTOM
9	5'-0" SQ.	18"	5-#5 E.W. BOTTOM
4	4'-0" SQ.	18"	4-#5 E.W. BOTTOM
3	3'-0" SQ.	18"	3-#5 E.W. BOTTOM

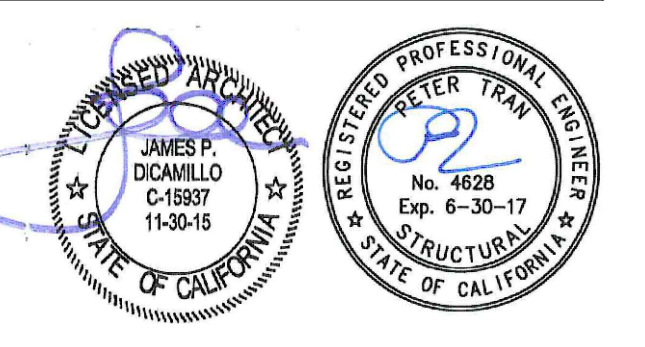


1 CLASSROOM BUILDING "C" FOUNDATION PLAN
 1/8" = 1'-0"



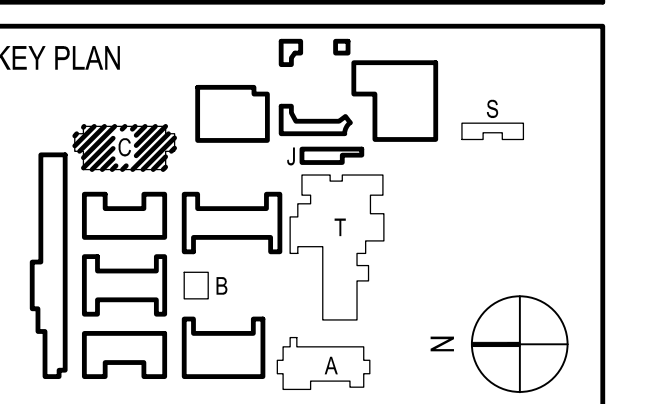
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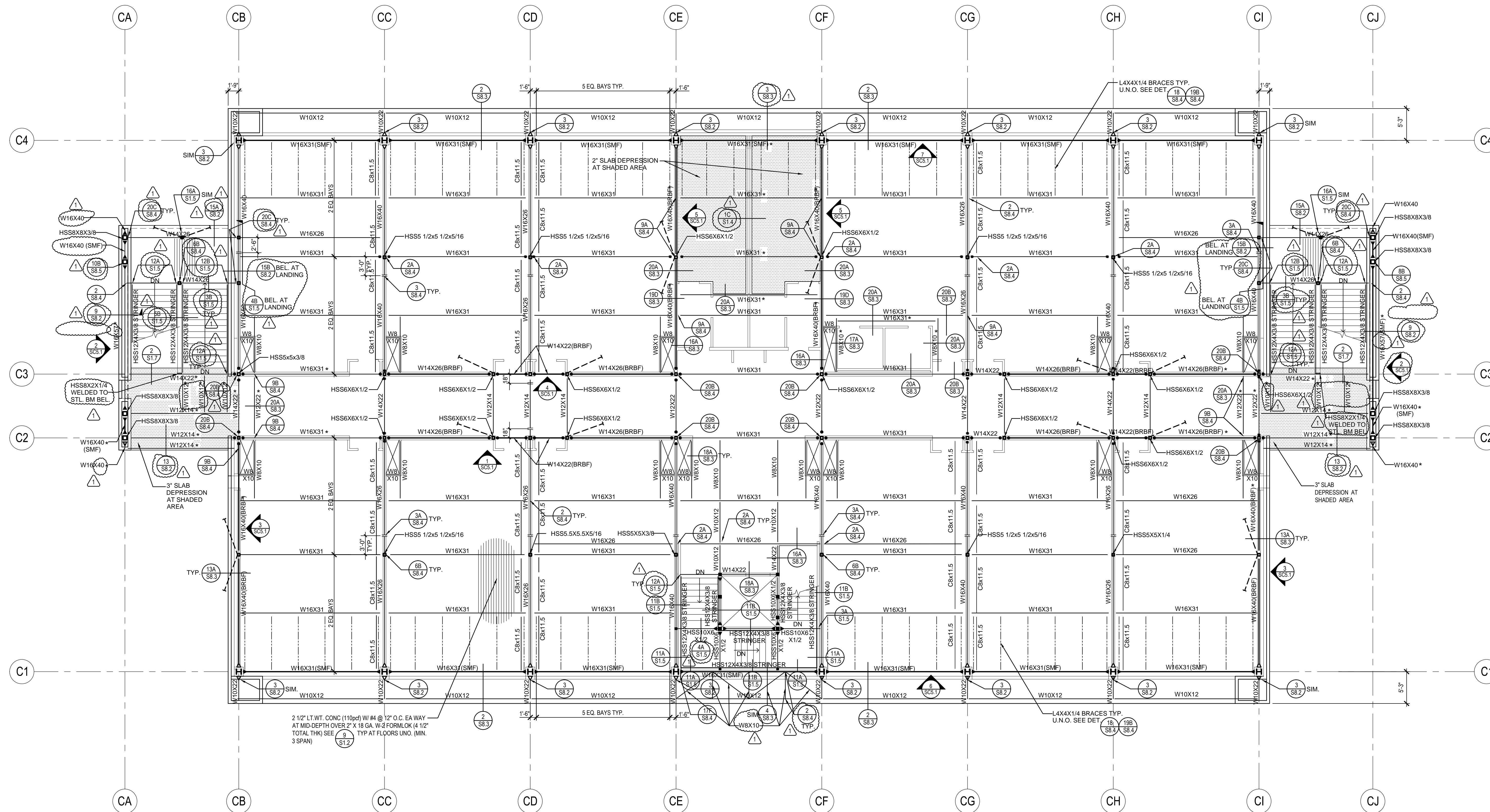


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACKCHECK
12/12/2015		ADDENDUM 1

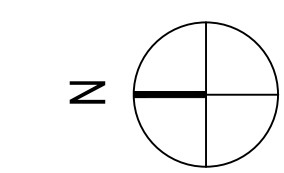
DRWN: IDK CHKD: PT
 DATE: 4/8/15 SCALE: AS NOTED
 PROJECT NUMBER: 1310700

CLASSROOM BUILDING "C" FOUNDATION PLAN

DRAWING NUMBER: **SC2.1**

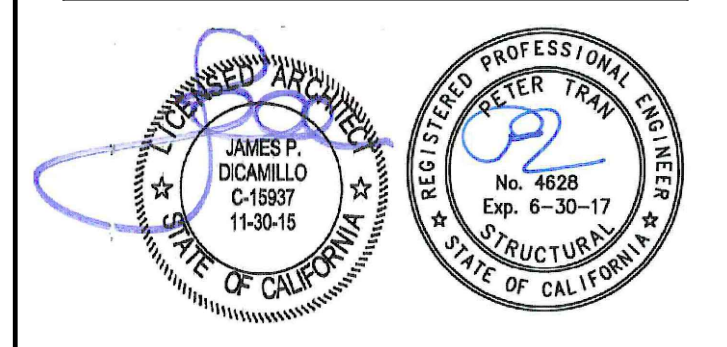


1 CLASSROOM BUILDING "C" SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"



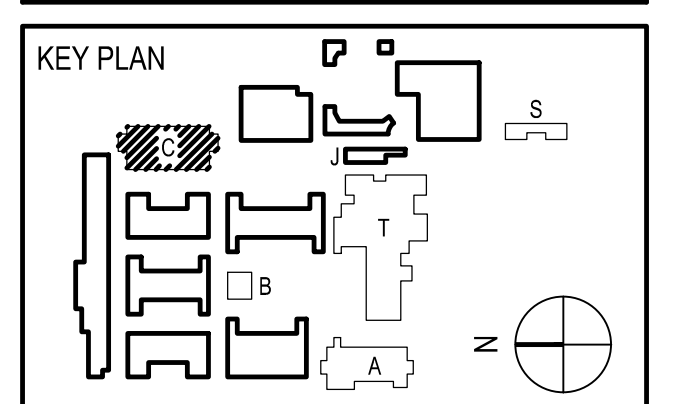
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REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACKCHECK
12/12/2015		ADDENDUM 1

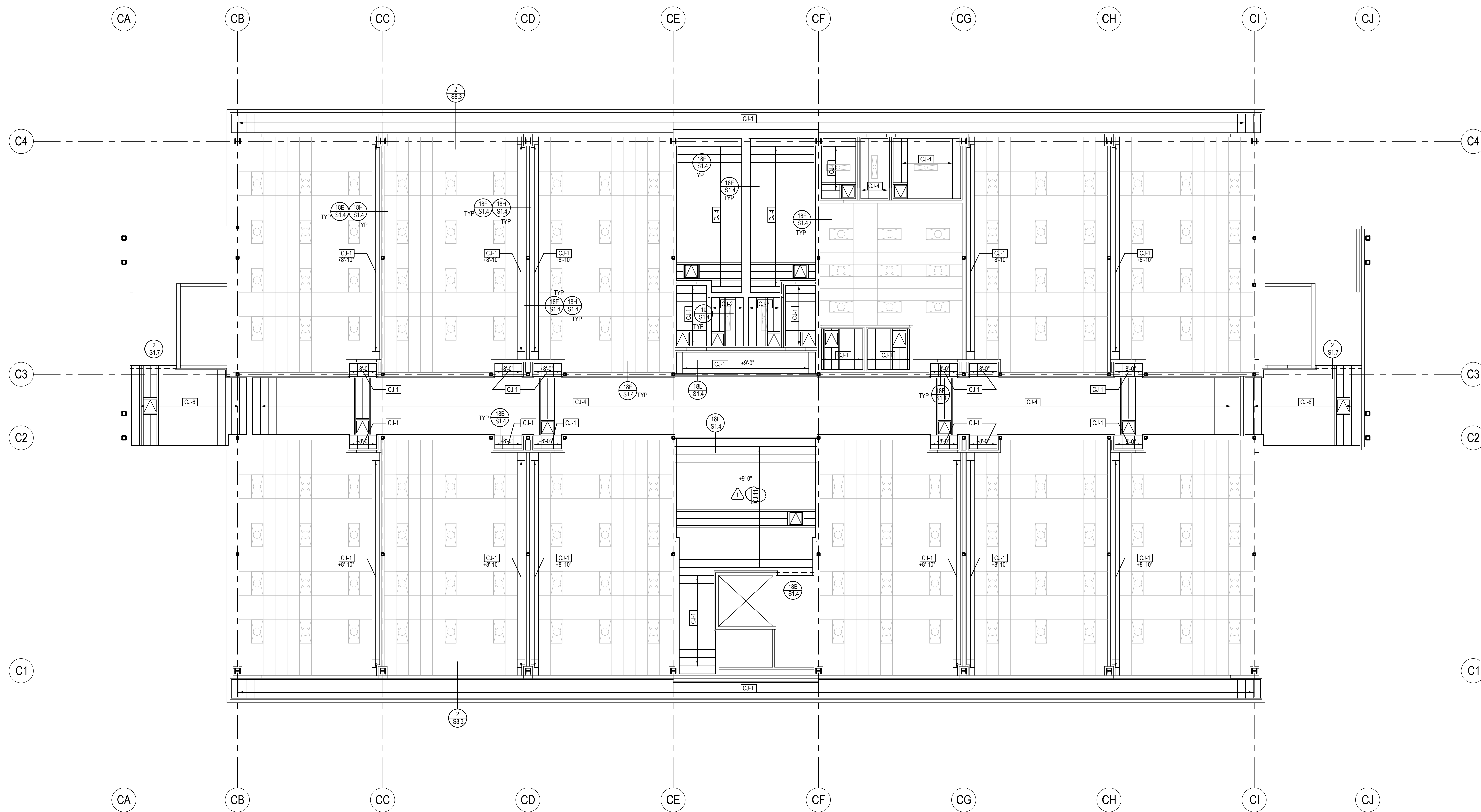
DRWN: IDK CHKD: PT
DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

CLASSROOM BUILDING "C"
2ND FLR FRM'G PLAN

DRAWING NUMBER: **SC2.2**

1ST FLOOR CEILING FRAMING NOTES:

1. FOR CEILING FRAMING NOTES, SEE SHEET SA3.1

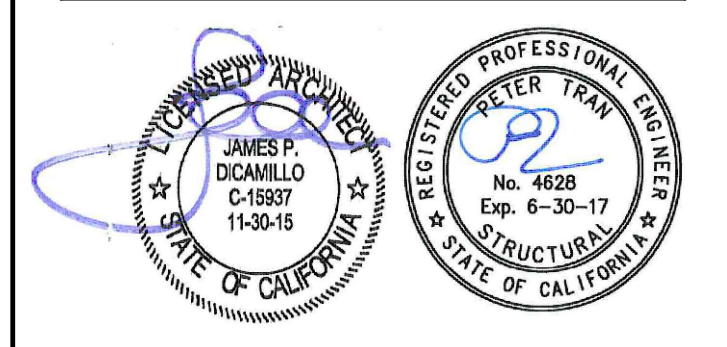


1 CLASSROOM BUILDING "C" FIRST FLOOR CEILING FRAMING PLAN
1/8" = 1'-0"



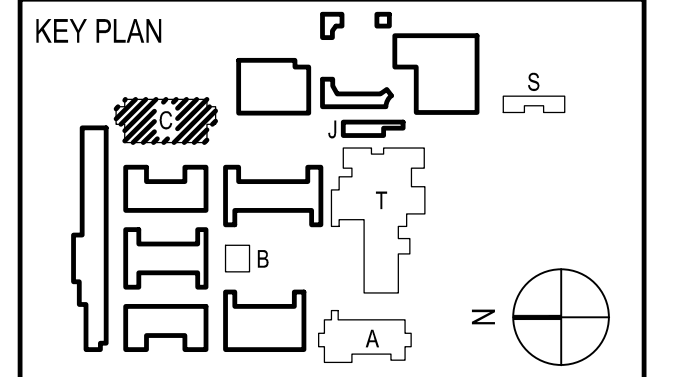
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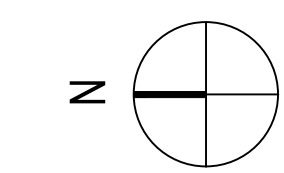
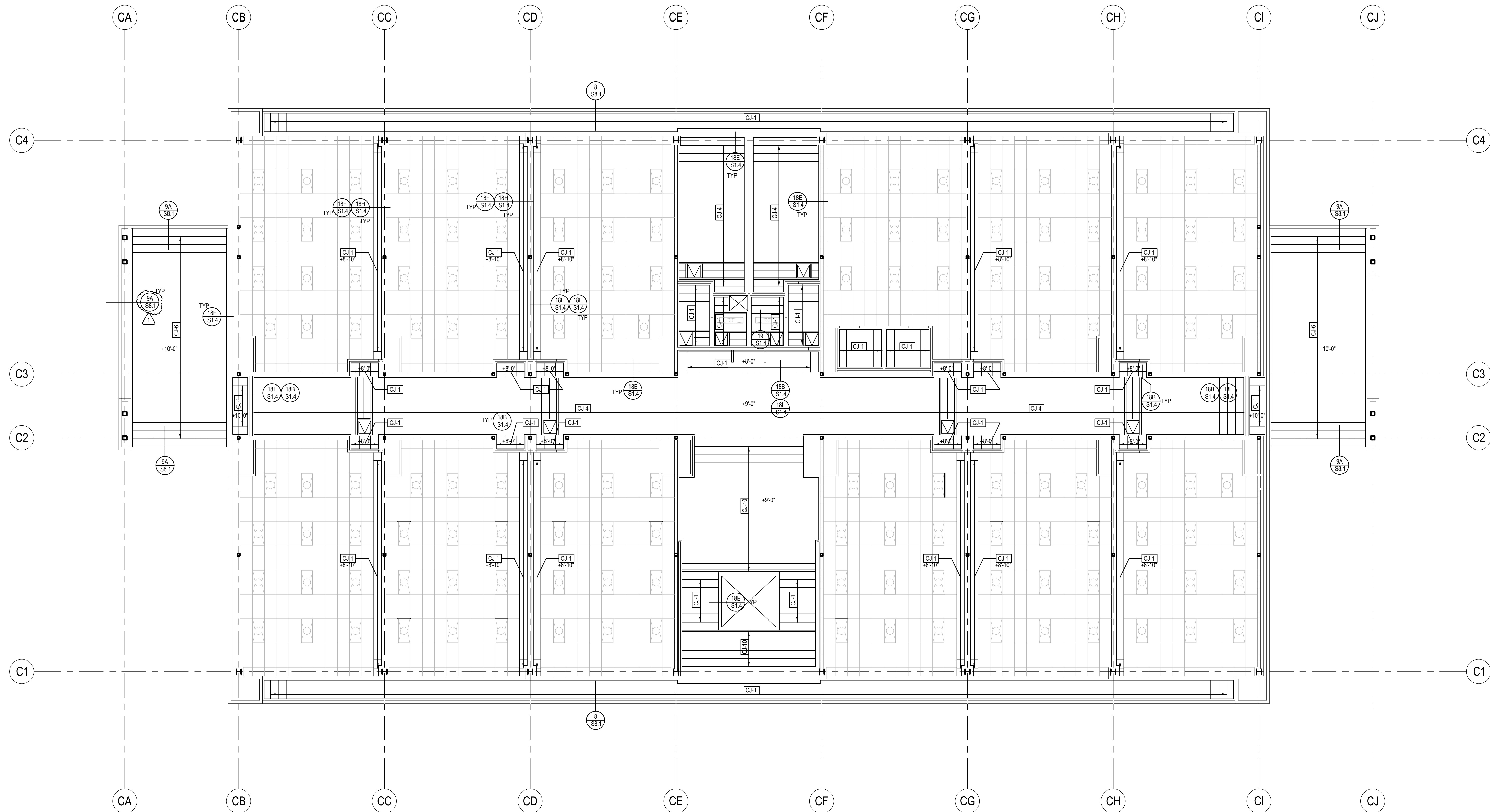


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACKCHECK
12/12/2015		ADDENDUM 1

DRWN: IDK CHKD: PT
DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

CLASSROOM BLDG "C"
1ST FLR CEILING
FRAMING PLAN

DRAWING NUMBER: **SC3.1**

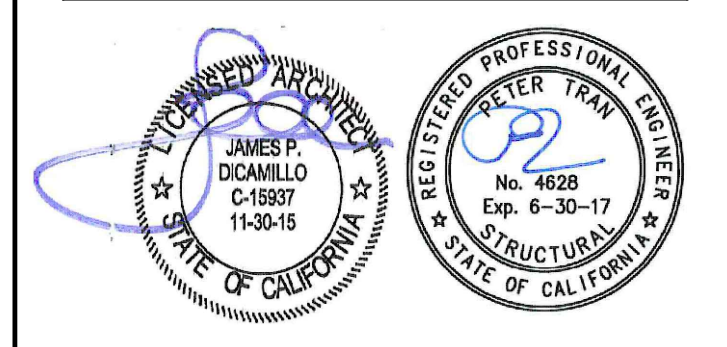


1 CLASSROOM BUILDING "C" SECOND FLOOR CEILING FRAMING PLAN
1/8" = 1'-0"



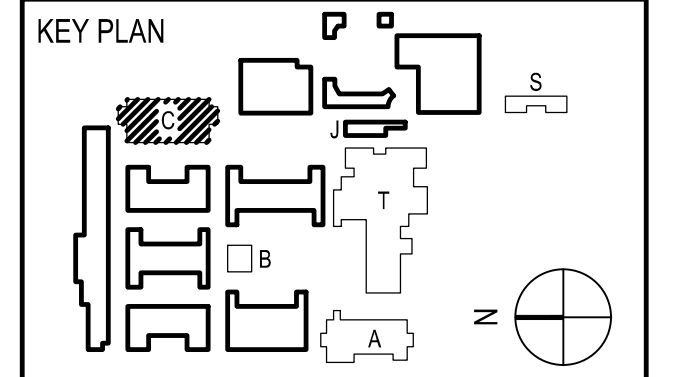
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APPL 03-115771
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REVISION SCHEDULE		
NO	DATE	DESCRIPTION
2	2/17/2014	100% DESIGN DEVELOPMENT
3	5/08/2014	90% CD PROGRESS
4	5/29/2014	DSA SUBMITTAL
4	08/2015	DSA BACKCHECK
1	12/12/2015	ADDENDUM 1

DRWN: IDK CHKD: PT
DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

CLASSROOM BLDG "C"
2ND FLR CEILING
FRAMING PLAN

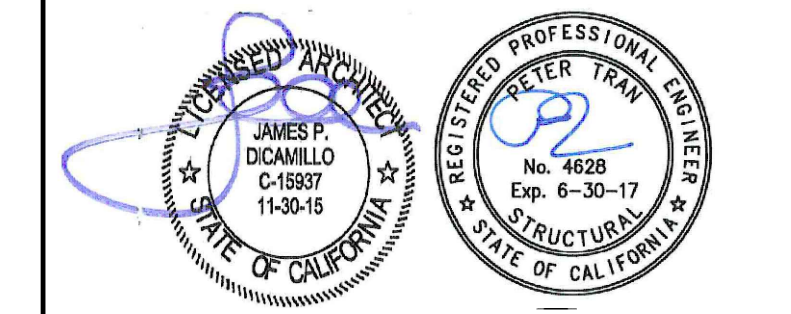
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ROOF FRAMING NOTES:
1. FOR FRAMING NOTES, SEE SHEET SA4.1



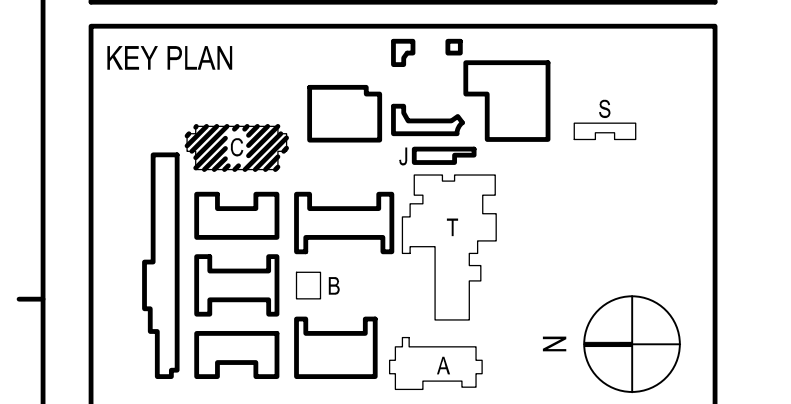
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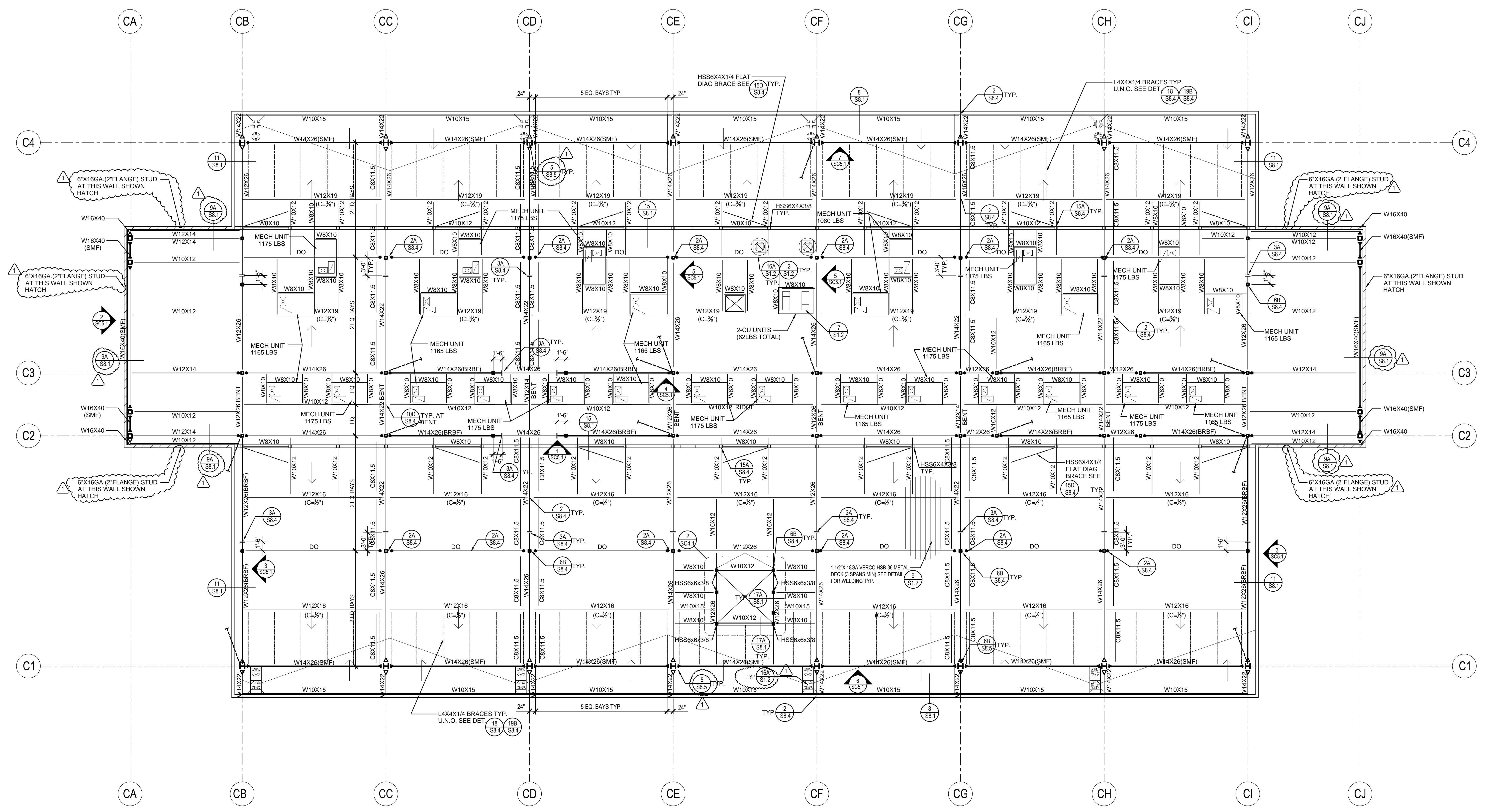


REVISION SCHEDULE		
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04/08/2015	DSA BACKCHECK	

DRWN: IDK CHKD: PT
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PROJECT NUMBER: 1310700

CLASSROOM BUILDING "C" ROOF FRM'G PLAN

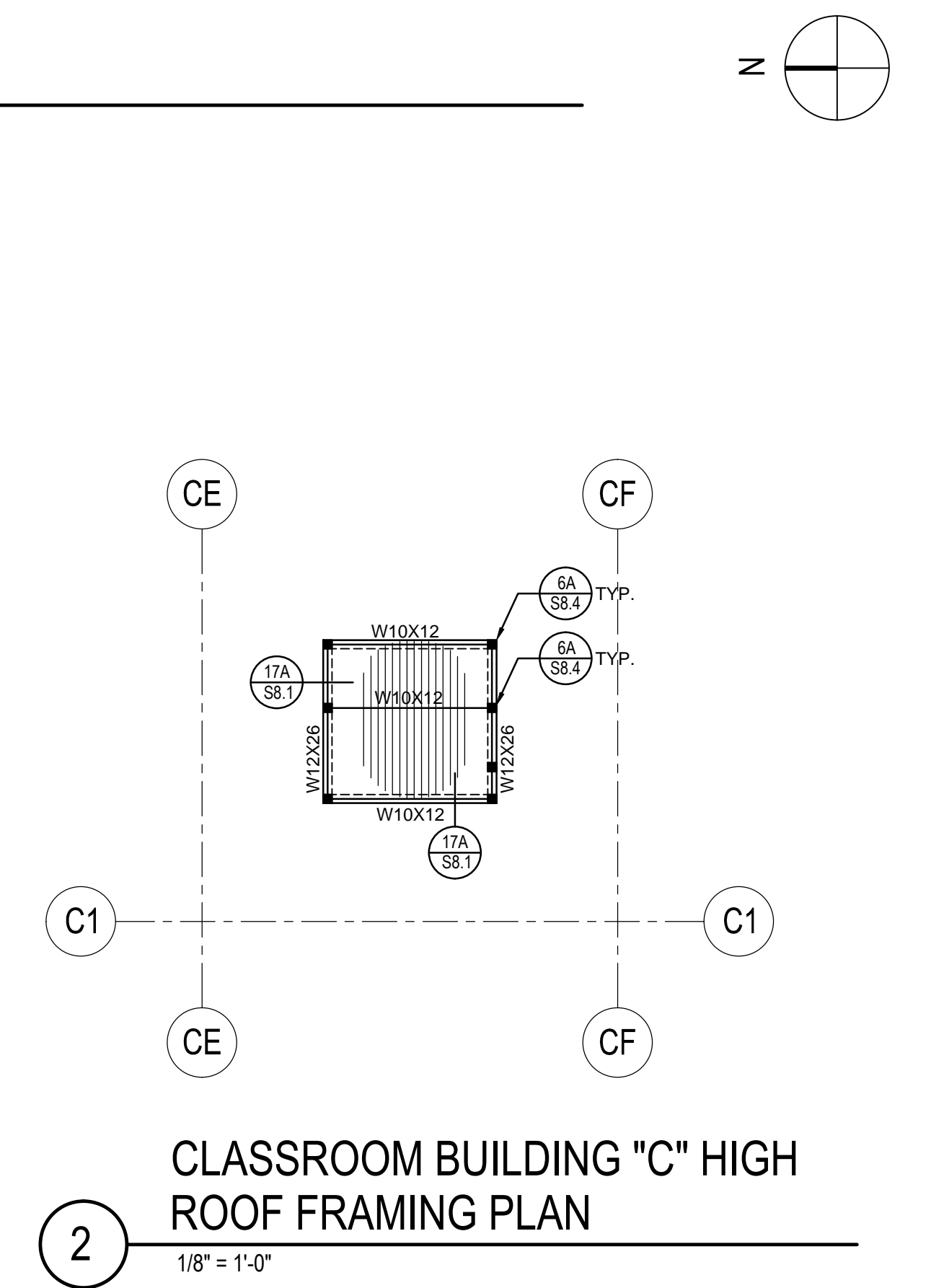
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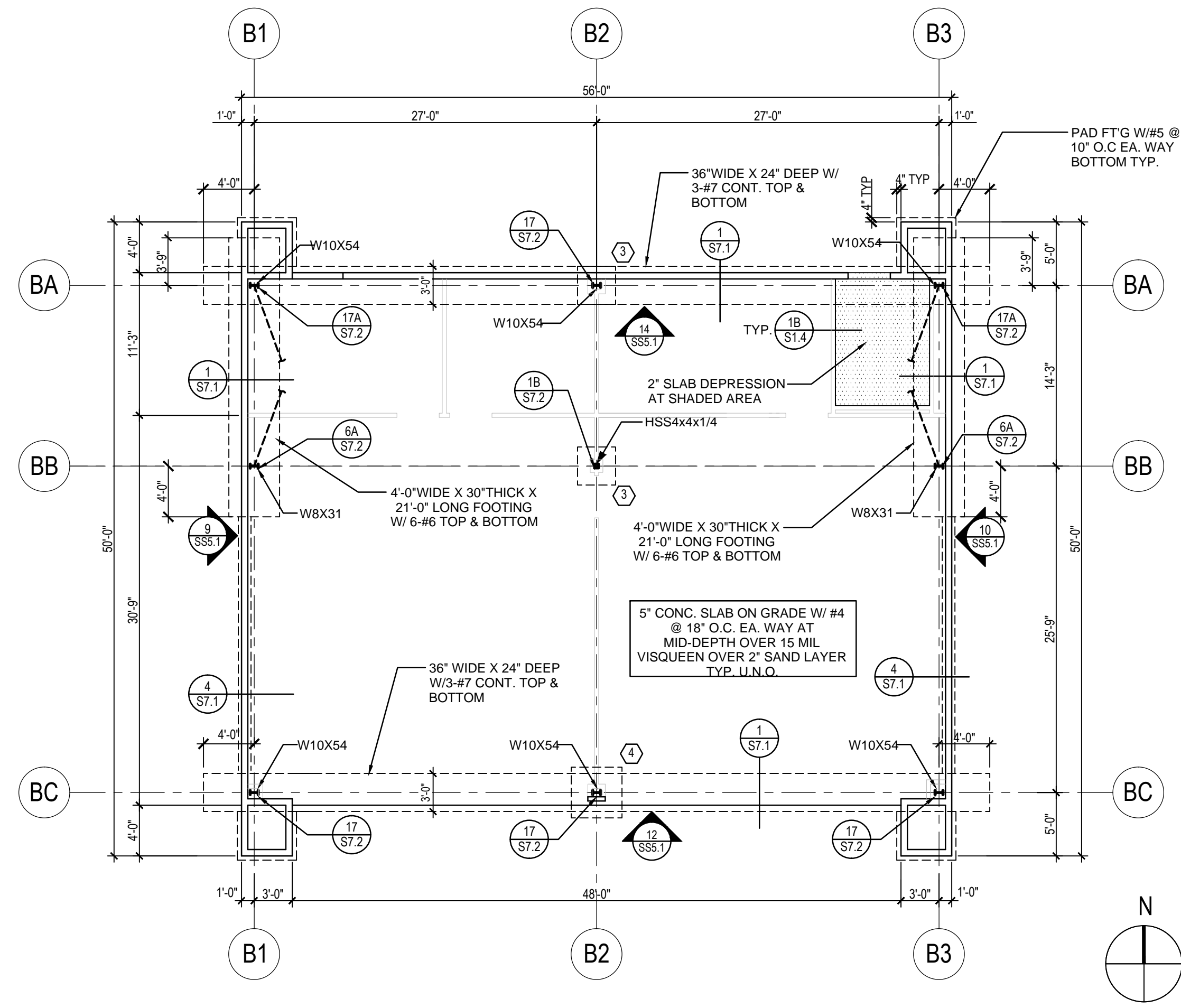


1 CLASSROOM BUILDING "C" ROOF FRAMING PLAN
1/8" = 1'-0"

FRAMING NOTES:

- FOR SIZE AND LOCATION OF ROOF AND FLOOR OPENINGS AND MECHANICAL ROOF MOUNTED EQUIPMENT, (WHERE APPLICABLE) SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING AND LATERAL BRACINGS FOR ALL FRAMING ERECTION TO RESIST ALL EXTERNAL LOADS FOR SAFETY.
- FOR ROOF OPENINGS SEE DETAIL 16/ST2.
- ROOF AND FLOOR DECK SHALL BE CONTINUOUS OVER FOUR SUPPORTS (CONTINUOUS 3-SPAN) UNLESS NOTED OTHERWISE ON PLANS.
- FOR DECK WELDING SEE DETAIL 9/ST2.
- DECK WELDING SHALL BE INSPECTED BY A SPECIAL INSPECTOR AND THE STRUCTURAL ENGINEER PRIOR TO THE APPLICATION OF FINISH MATERIALS.
- FIELD WELDING AND HIGH STRENGTH BOLT INSTALLATION (ASTM A-325) SHALL HAVE A "SPECIAL INSPECTION" BY A CERTIFIED SPECIAL INSPECTOR.
- FOR NON BEARING WALL CONSTRUCTION SEE DETAILS 11/ST4, 2/ST4, 12/ST4, 18/ST4 AND ARCHITECTURAL DRAWINGS.
- ALL ROOF MOUNTED MECHANICAL UNITS SHALL BE FRAMED PER 3/ST2 & 4/ST2.
- "C" = DENOTES BEAM CAMBER AT MID-LENGTH.
- (SMF) : INDICATES SPECIAL MOMENT FRAME W/ FULL-PEN WELDING CONNECTION. PART OF SFRS.
- INDICATES MOMENT CONNECTION W/ FULL-PEN WELDING AT NON-SFRS MOMENT FRAME.
- INDICATES DRAG BEAMS AND CONNECTIONS. PART OF SFRS.
- 1 1/2X18GA VEROCO B-FORMLOK FLOORDECK (4 3/4" TOTAL THICKNESS W/ LT. WTC. CONC. FILL (F=3ksi) W/ #3@18"O.C. EA. WAY AT MID DEPTH W/ 7 WELD PATTERN & TSW @ 12"O.C. TYP. AT FLOOR U.N.O. SEE 15/ST2).
- SEE DETAIL 7/ST2 FOR MECHANICAL UNIT PLATFORM FOR UNITS NOT LIMITING TO CONDENSING UNIT, HEAT PUMP UNIT ETC...
- SEE DETAIL 18H/ST4 FOR TYP. SOFFIT SUPPORT.
- FOR SMALL SUPPORT BEAM TO LARGE BEAM, USE NUMBER OF BOLTS FOR SMALL BEAM. SEE DET 2/ST4.
- * W12X : INDICATES PURLIN OR BEAM IS LOWERED FOR SLAB DEPRESSION PER DETAILS 15A/ST3, 16A/ST3, 19/ST3, 20/ST3 U.N.O.
- SEE DETAIL 18K/ST4 FOR METAL LATERAL BRACING TYP.
- FOR SUPPORT OF EXHAUST FANS USE DETAIL 20/ST2 U.N.O.
- ALL METAL STUD WALLS SHALL BE BRACED Laterally TO EACH STEEL BEAM PER DETAIL 14B/ST4 U.N.O.
- (BRBF) INDICATES BUCKLING RESTRAINED BRACE FRAME (BRBF). PART OF SFRS.
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- FRAME OUT OPENING FOR ROOF DRAIN PER DETAIL 16A/ST2 TYP. U.N.O.



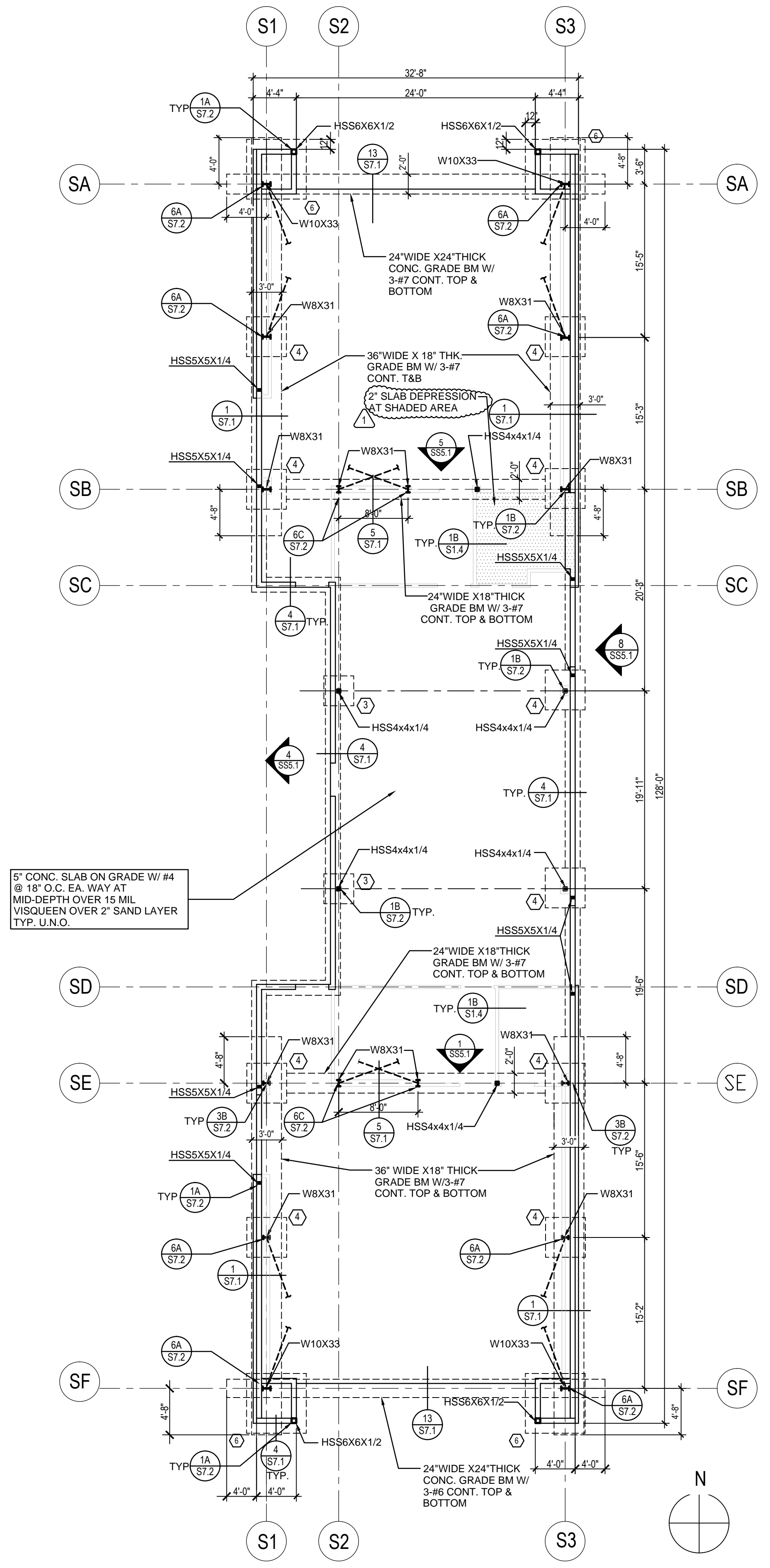


8 ASB BUILDING B FOUNDATION PLAN

1/8" = 1'-0"

FOOTING PAD SCHEDULE			
FTG. SIZE	THICK	REINF.	
⊖	6'-0" SQ.	18"	7-#5 E.W. BOTT.
⊖	4'-0" SQ.	18"	5-#5 E.W. BOTT.
⊖	3'-0" SQ.	18"	4-#5 E.W. BOTT.

FOUNDATION NOTES:
1. FOR FOUNDATION NOTES, SEE SHEET SA2.1



20 SPECIAL ED. BUILDING S FOUNDATION PLAN

1/8" = 1'-0"

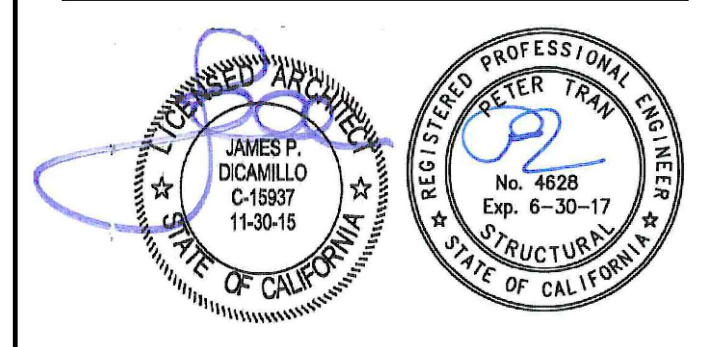
FOOTING PAD SCHEDULE			
FTG. SIZE	THICK	REINF.	
⊖	6'-0" SQ.	18"	7-#5 E.W. BOTT.
⊖	4'-0" SQ.	18"	5-#5 E.W. BOTT.
⊖	3'-0" SQ.	18"	4-#5 E.W. BOTT.

FOUNDATION NOTES:
1. FOR FOUNDATION NOTES, SEE SHEET SA2.1



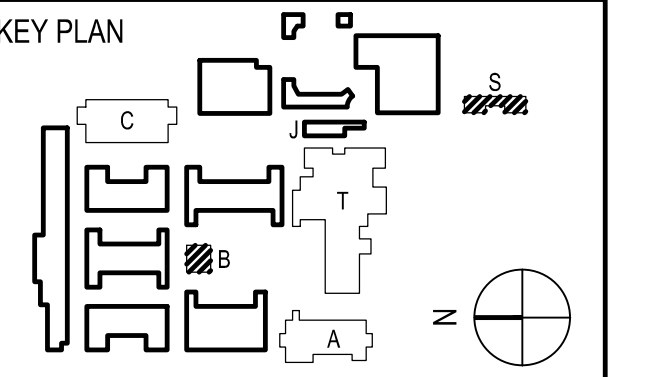
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FILE: 19-H54 AC FLS SS
DATE



REVISION SCHEDULE		
NO	DATE	DESCRIPTION
⊖	02/17/2014	100% DESIGN DEVELOPMENT
⊖	05/08/2014	90% CD PROGRESS
⊖	05/29/2014	DSA SUBMITTAL
⊖	04/08/2015	DSA BACKCHECK
Δ	12/12/2015	ADDENDUM 1

DRWN: IDK CHKD: PT
DATE: 4/8/15 SCALE: AS NOTED
PROJECT NUMBER: 1310700

**ASB & SPECIAL ED
BLDGS FOUNDATION
PLANS**

DRAWING NUMBER: **SS2.1**

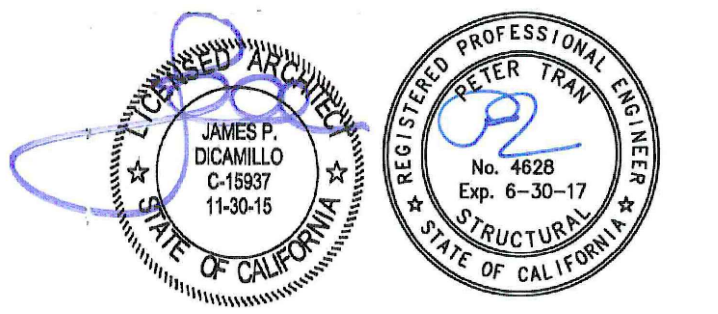
FOUNDATION NOTES:

1. FOR FOUNDATION NOTES SEE SHEET SA2.1



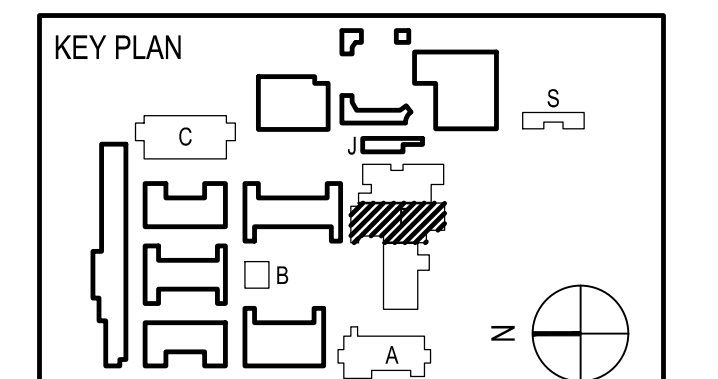
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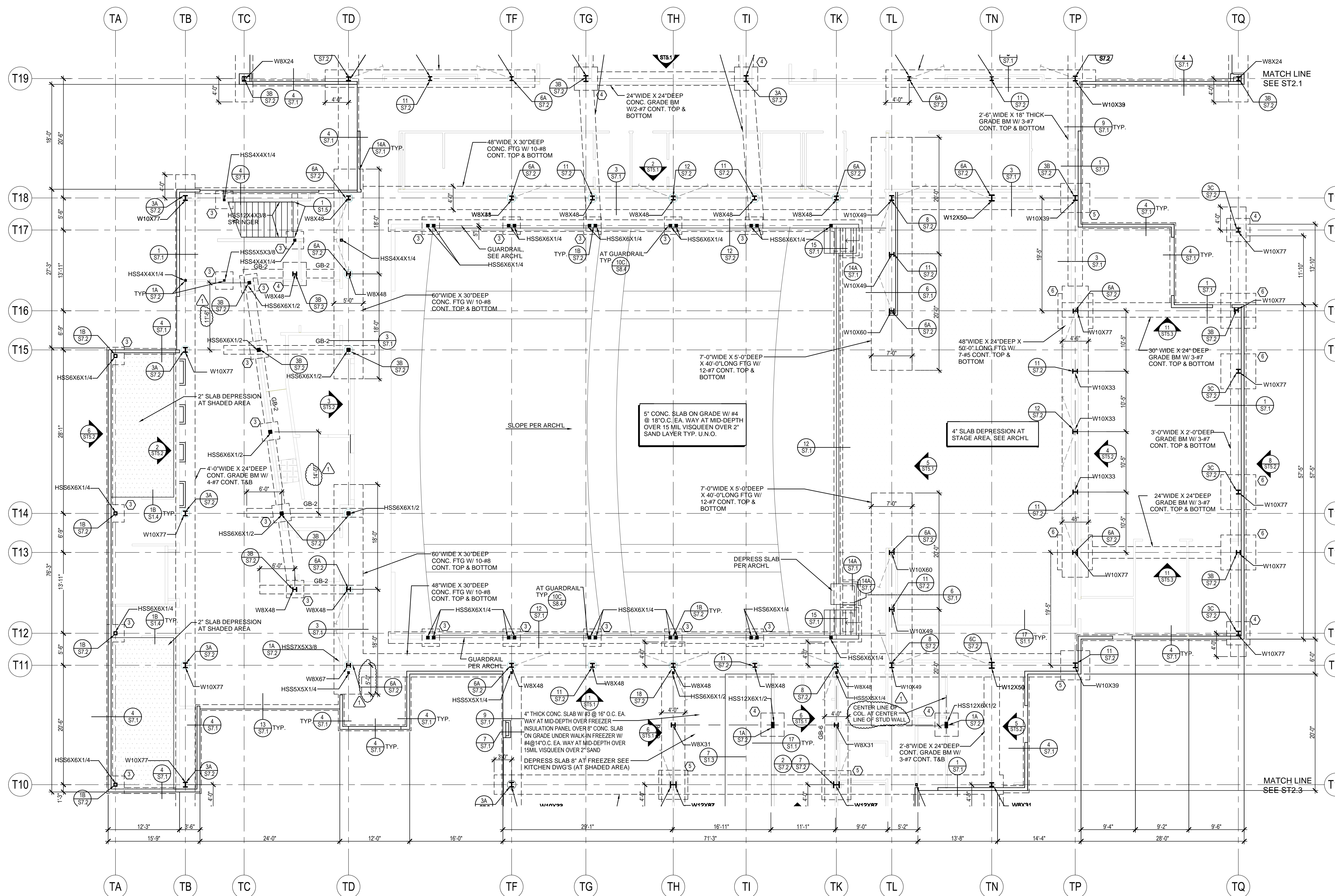


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THEATER/CAFETERIA/
 MPR/CR BUILDING T
 FOUNDATION PLAN
 AREA B

DRAWING NUMBER: **ST2.2**



FOOTING PAD SCHEDULE		
FTG	SIZE	THICK REINF.
1	8'-0" SQ.	24" 8-#6 E.W.
2	7'-0" SQ.	24" 7-#6 E.W.
3	6'-0" SQ.	24" 6-#5 E.W.
4	5'-0" SQ.	18" 5-#5 E.W.
5	4'-0" SQ.	18" 4-#5 E.W.
6	3'-0" SQ.	18" 3-#5 E.W.

GRADE BM SCHEDULE		
GB	WIDTH	DEPTH REINF.
GB-1	18" x 18"	2-#6 CONT. T&B
GB-2	18" x 24"	2-#7 CONT. T&B
GB-3	24" x 24"	3-#7 CONT. T&B
GB-4	24" x 24"	5-#7 CONT. T&B
GB-5		
GB-6	48" x 24"	4-#7 CONT. T&B

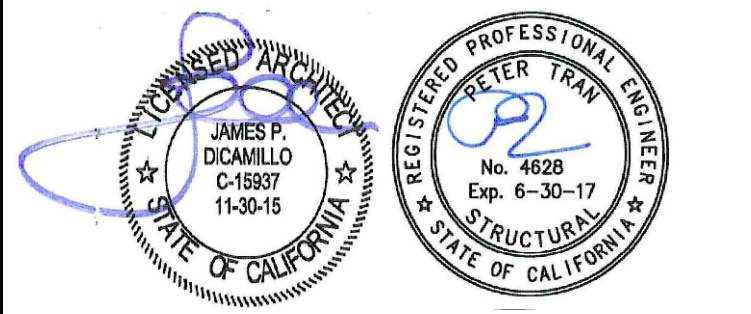
1 THEATER BUILDING FOUNDATION PLAN (AREA B)
 1/8" = 1'-0"

CEILING FRAMING NOTES:
 1. FOR CEILING FRAMING NOTES, SEE SHEET SC3.1



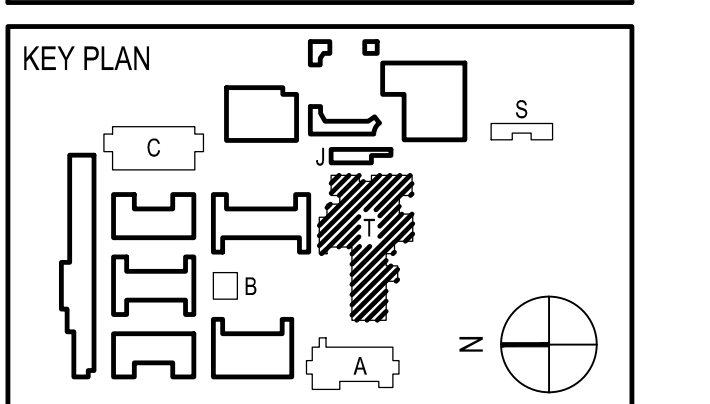
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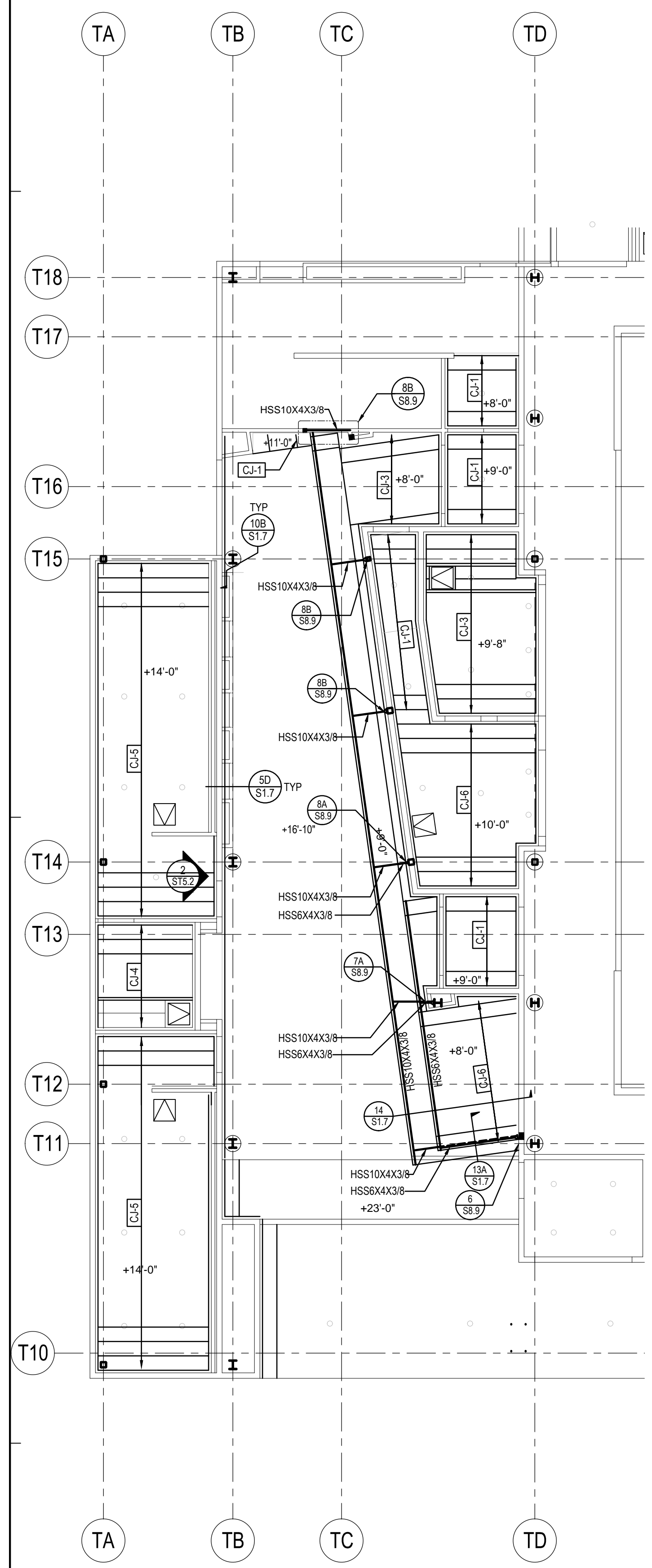


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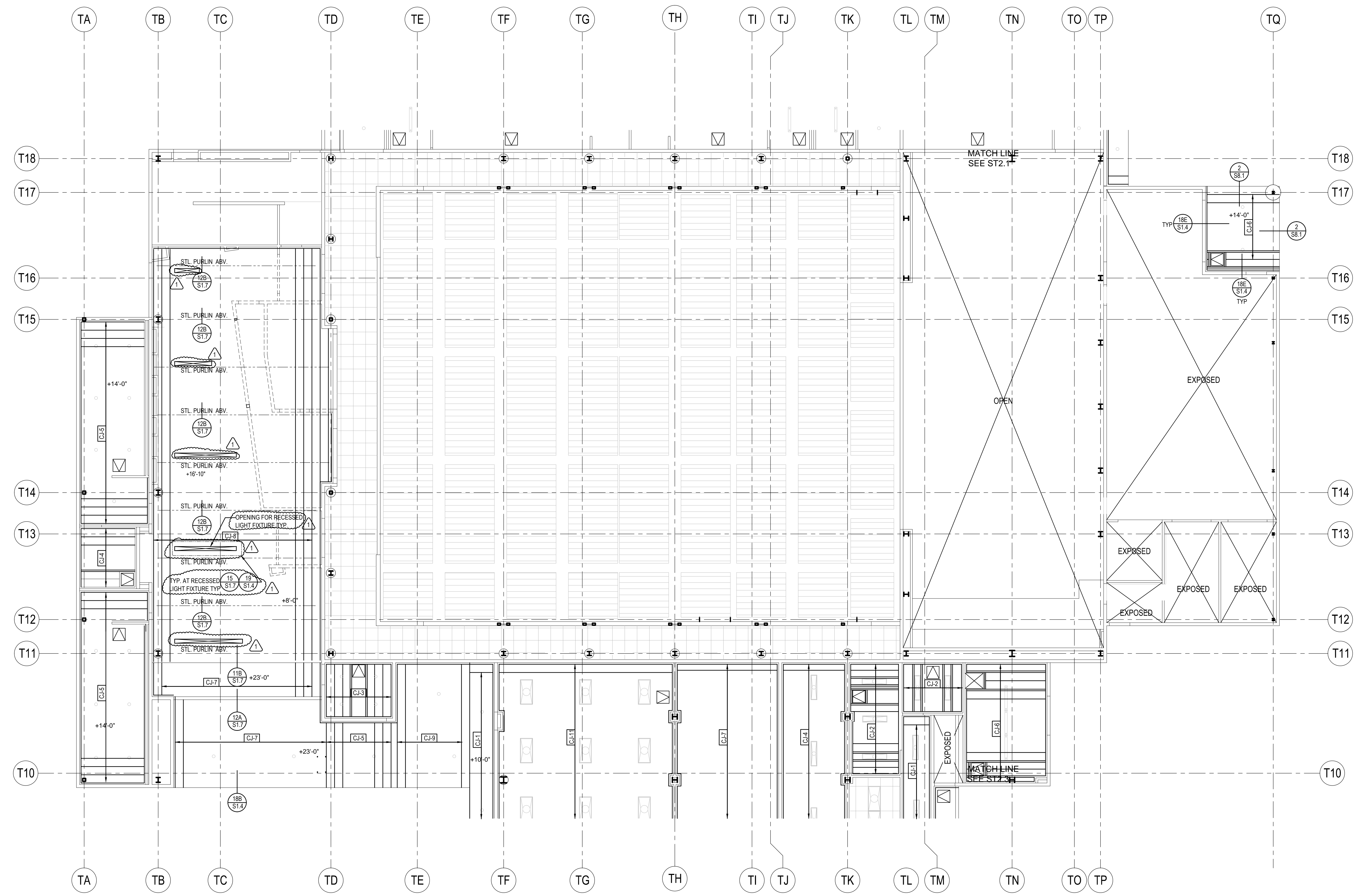
DRWN: IDK CHKD: PT
 DATE: 4/8/15 SCALE: AS NOTED
 PROJECT NUMBER: 1310700

**THEATER BUILDING
 CEILING FRAMING
 PLAN AREA B**

DRAWING NUMBER: **ST3.2**



2 THEATER BUILDING MEZZANINE CEILING FRAMING PLAN (AREA B)
 1/8" = 1'-0"



1 THEATER BUILDING CEILING FRAMING PLAN (AREA B)
 1/8" = 1'-0"

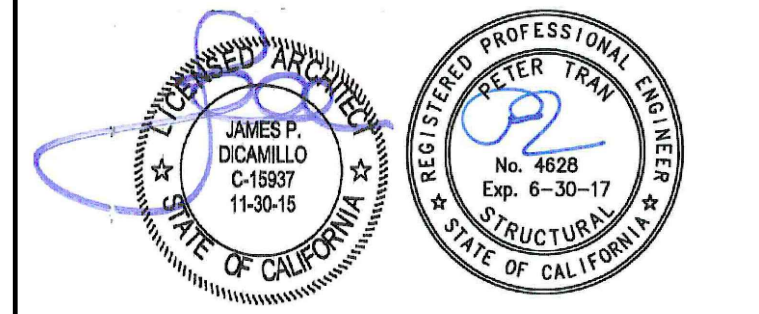
FRAMING NOTES:

1. FOR FRAMING NOTES SEE SHEET SA4.1



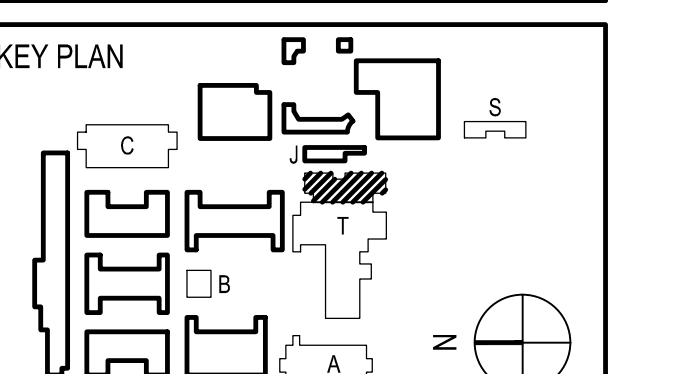
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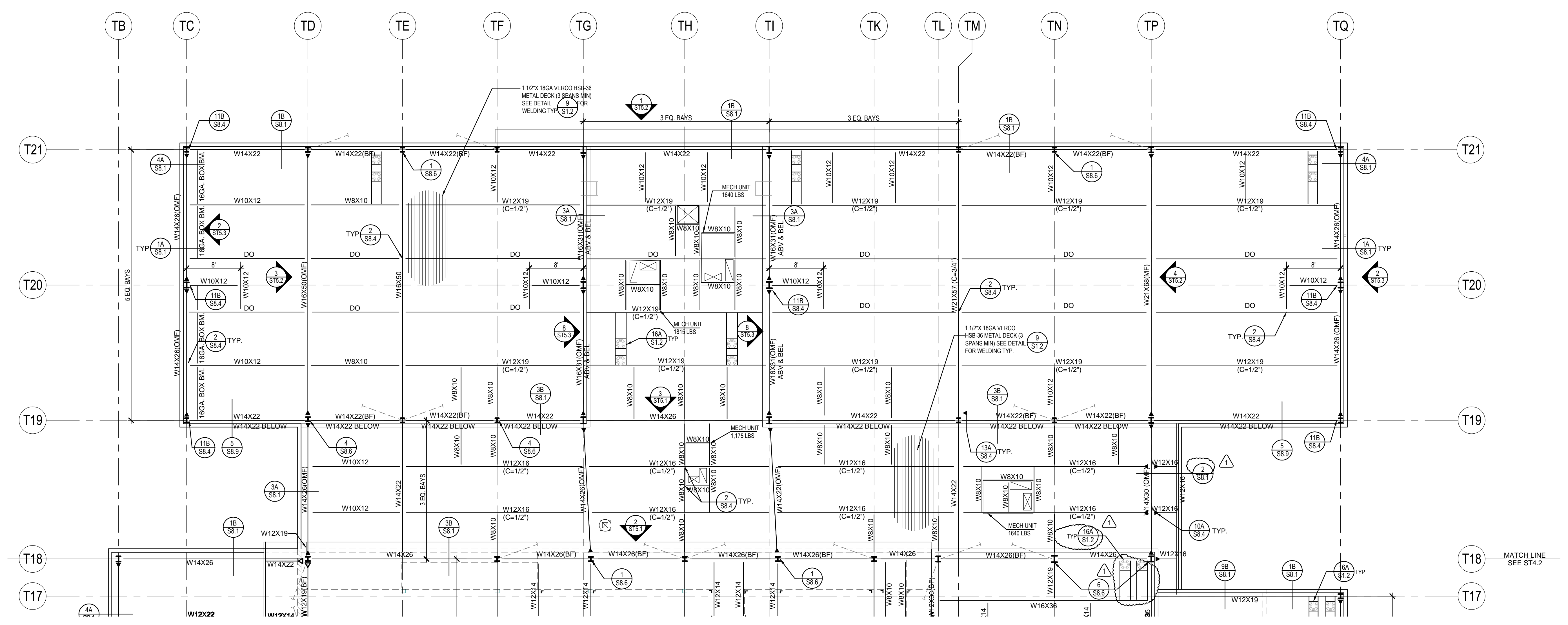


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**THEATER/CAFETERIA/
 MPR/CR BUILDING T
 ROOF FRAMING PLAN
 AREA A**

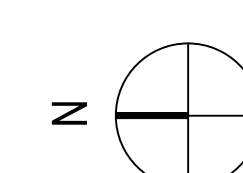
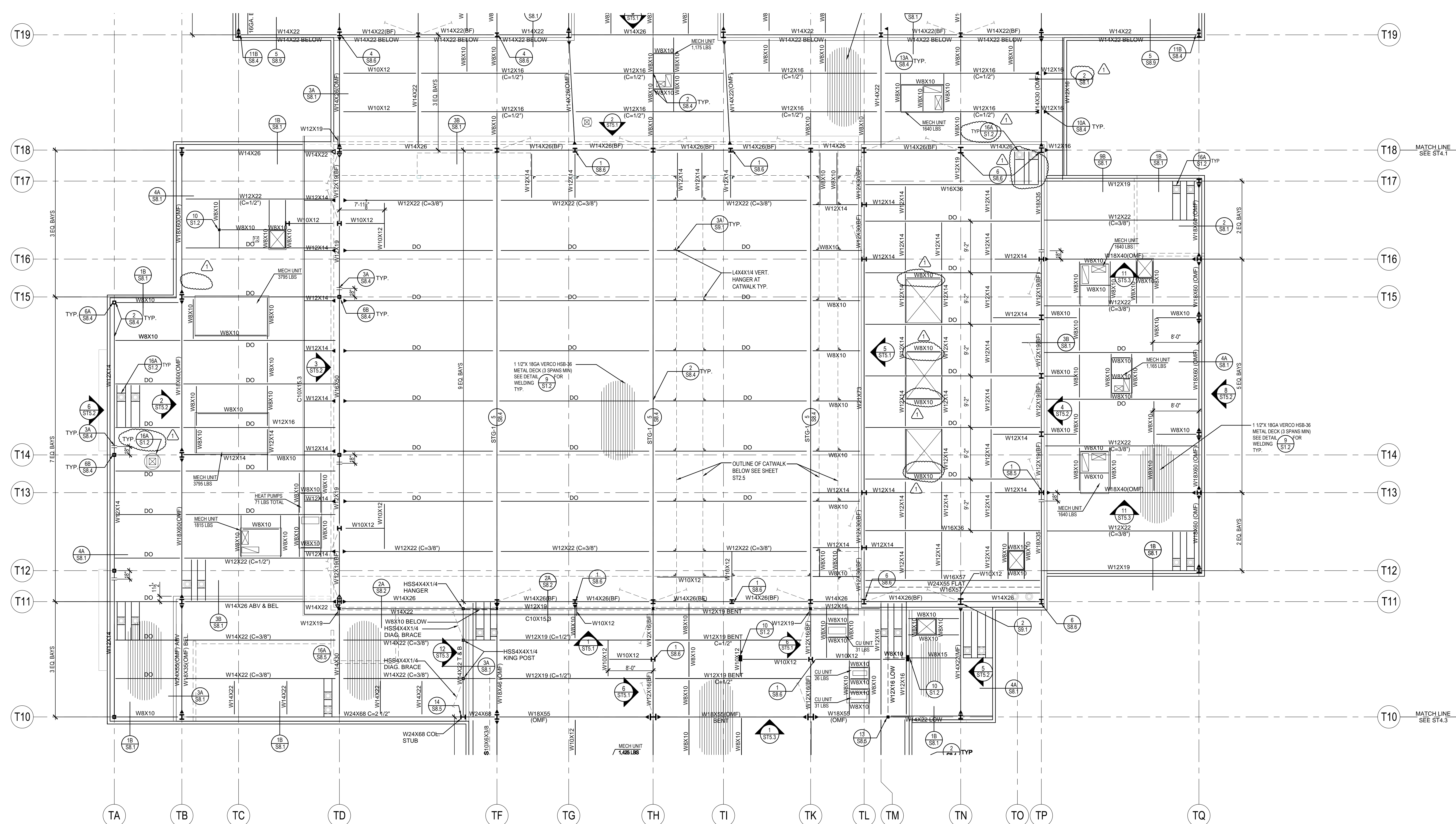
DRAWING NUMBER: **ST4.1**



1 THEATER BUILDING ROOF FRAMING PLAN (AREA A)
 1/8" = 1'-0"

FRAMING NOTES:

1. FOR FRAMING NOTES SEE SHEET SA4.1

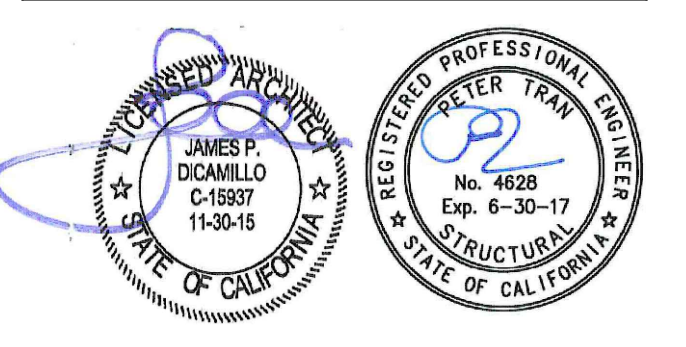


1 THEATER BUILDING ROOF FRAMING PLAN (AREA B)
1/8" = 1'-0"



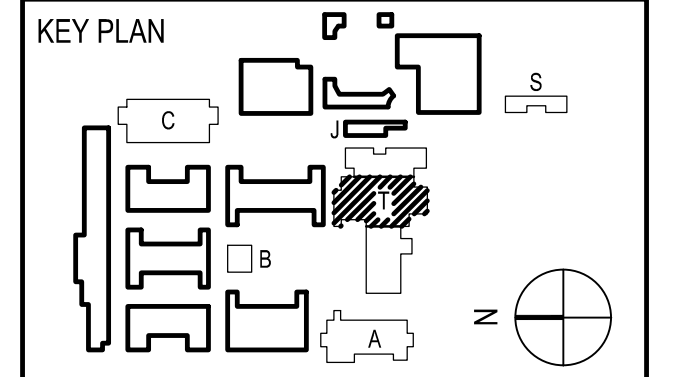
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THEATER/CAFETERIA/
MPR/CR BUILDING T
ROOF FRAMING PLAN
AREA B

DRAWING NUMBER: **ST4.2**

GENERAL NOTES

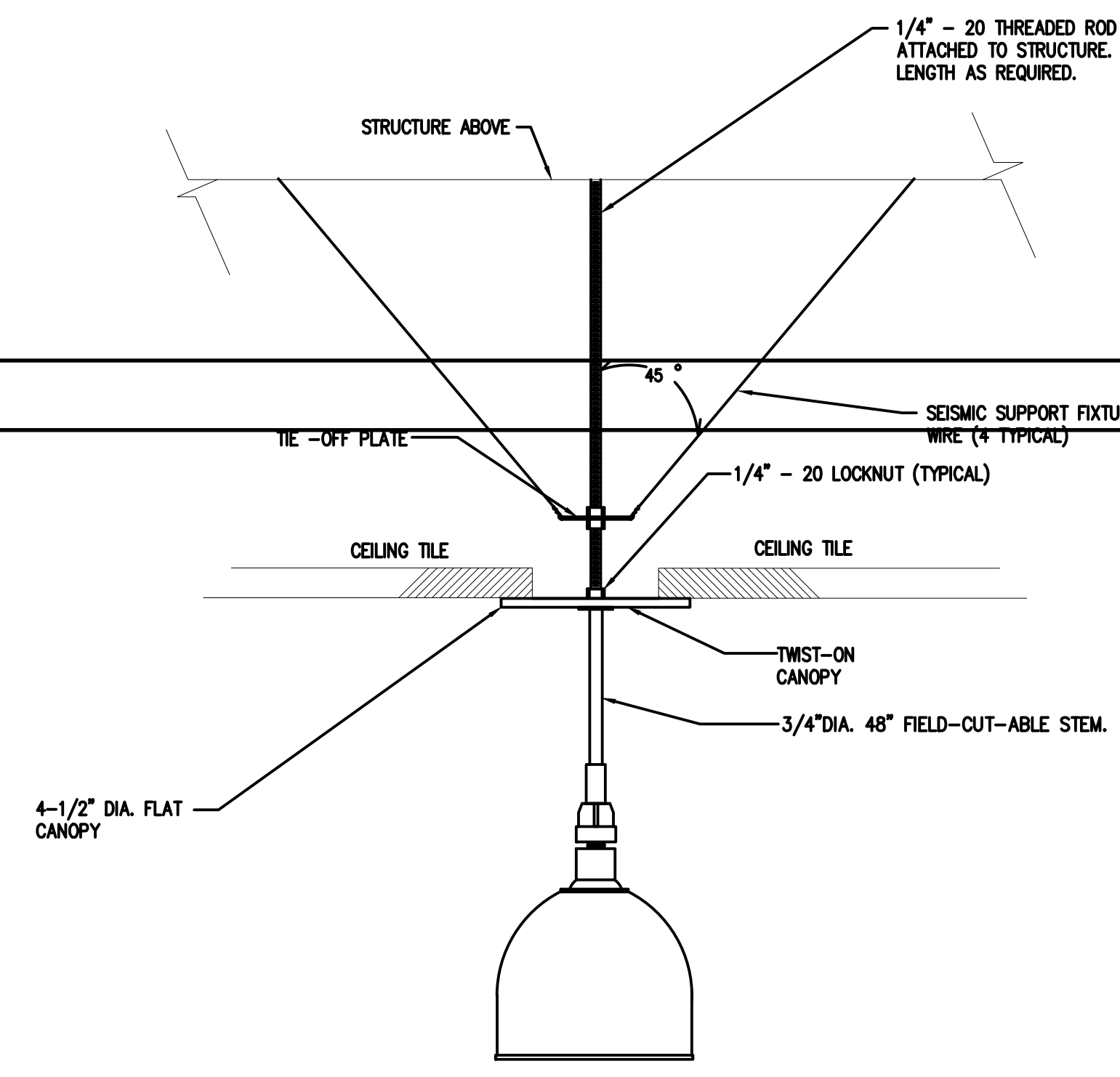
1. FIXTURES SHALL HAVE APPROPRIATE UL LABEL, DAMP, OR WET AS REQUIRED BY LOCAL CODES.
2. FIXTURES SHALL INCLUDE ACCESSORIES FOR INSTALLATION ACCORDING TO LOCAL AND NATIONAL CODES
3. LAMP TYPES, INCLUDING LUMEN OUTPUT, COLOR RENDERING INDEX, DISTRIBUTION, AND COLOR TEMPERATURE SHALL BE ORDERED AND INSTALLED.
4. CONTRACTOR SHALL VERIFY FINAL VOLTAGES PRIOR TO RELEASE OF ORDER
5. CONTRACTOR SHALL VERIFY AND / OR CONFIRM CEILING MATERIAL COMPATIBILITY PRIOR TO RELEASE OF FIXTURE ORDER.
6. CEILING THICKNESS IN EXCESS OF 3/4" SHALL BE IDENTIFIED IN WRITING BY CONTRACTOR OR ARCHITECT.
7. FIXTURES SHALL BE ORDERED WITH THE APPROPRIATE BALLASTS THAT HAVE UL AND CBM LABELS. BALLASTS SHALL CONFORM TO LOCAL ENERGY CODE, IF ANY, REQUIREMENTS FOR PERFORMANCE, SWITCHING, AND WIRING (E.G. TANDEM).
8. RESPONSIBILITY FOR EMERGENCY LIGHTING, CALCULATIONS, AND CIRCUITING TO MEET CODE CONFORMANCE REMAINS WITH THE ARCHITECT AND ELECTRICAL ENGINEER AS REQUIRED BY LAW.
9. ALL FLUORESCENT BALLASTS ARE TO BE ELECTRONIC, PROGRAMMED-START WITH <10% THD (MAXIMUM) U.O.N.
10. ALL LAMP SOCKETS SHALL BE PERMANENCY LABELED IN FACTORY WITH DESIGNED WATTAGES (PER THIS DOCUMENT), NOT MAXIMUM WATTAGES.

LIGHT FIXTURE SCHEDULE (CONTINUATION)

TYPE	SYMBOL	DESCRIPTION	MANUFACTURER AND CATALOG #	NUMBER OF LAMPS AND TYPE	SYSTEM WATTS	VOLT	MOUNTING	REMARKS
V		4' FIXTURE, 8 LAMPHOLDERS, 6" O.C.	AIREY-THOMSON RM SERIES DECORATIVE STRIP LIGHTING CANDELABRA BASE LAMPS	8 (60W)	480	120	WALL	THEATRE-VANITY

LIGHT FIXTURE SCHEDULE

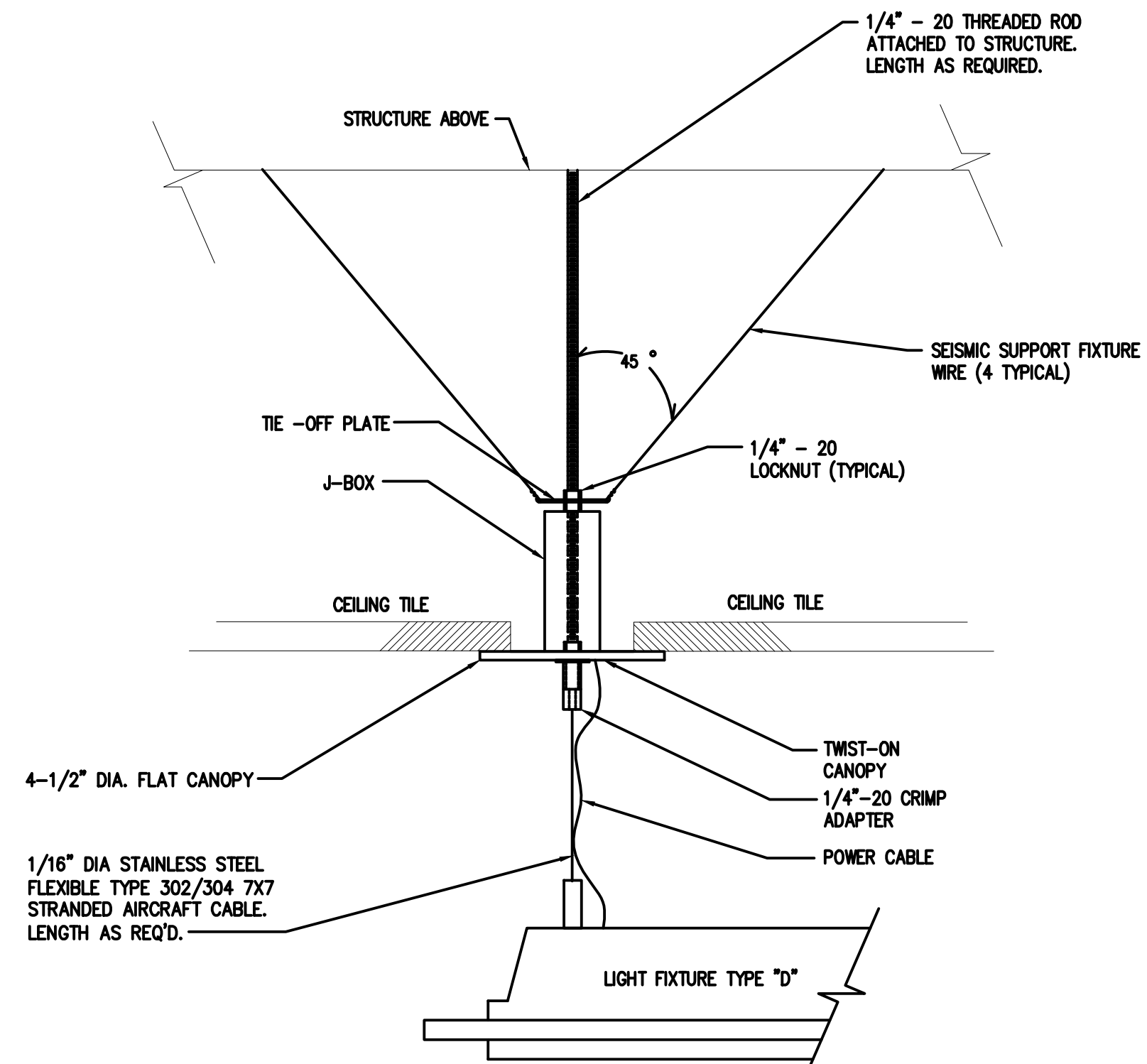
TYPE	SYMBOL	DESCRIPTION	MANUFACTURER AND CATALOG #	NUMBER OF LAMPS AND TYPE	SYSTEM WATTS	VOLT	MOUNTING	REMARKS
A		RECESSED 2'x4' LIGHT FIXTURE	LITHONIA 2FSL4 SERIES OR APPROVED EQUAL-LSI	LED	52	277	RECESSED	OFFICES, CLASSROOMS
AE		SAME AS TYPE "A" EXCEPT ON EMERGENCY CIRCUIT (INVERTER)	LITHONIA 2FSL4 SERIES OR APPROVED EQUAL-LSI	LED	52	277	RECESSED	OFFICES, CLASSROOMS
AS		SAME AS TYPE "A" EXCEPT 120V	LITHONIA 2FSL4 SERIES OR APPROVED EQUAL-LSI	LED	52	120	RECESSED	SPECIAL EDUCATION BUILDING
ASE		SAME AS TYPE "AS" EXCEPT PROVIDE SELF CONTAINED WITH EMERGENCY BATTERY PACK (1400 LUXES)	LITHONIA 2FSL4 SERIES OR APPROVED EQUAL-LSI	LED	52	120	RECESSED	SPECIAL EDUCATION BUILDING
B		6" RECESSED DOWNLIGHT	LITHONIA EVO 35/18 6AR SERIES OR APPROVED EQUAL-PEACHTREE	LED	37	277	RECESSED	CORRIDORS AND OTHER COMMON AREAS
C		4" RECESSED DOWNLIGHT	LITHONIA EVO 35/18 6AR SERIES OR APPROVED EQUAL-PEACHTREE	LED	29	277	RECESSED	ADMIN COUNTERS
D		PENDANT MOUNTED DIRCT/INDIRECT STACK LIGHT FIXTURE. FINISH SELECTED BY ARCHITECTURE	PEERLESS R04M W20/40 ASO SERIES OR APPROVED EQUAL-METALUMEN	LED	60	277	PENDANT, LENGTH AS SHOWN ON PLANS	LIBRARY BOOK STACKS
E		6" RECESSED VANDAL RESISTANT DOWNLIGHT FIXTURE. FINISH SELECTED BY ARCHITECTURE	GOTHAM EVO VR 35/18 PCU SERIES OR APPROVED EQUAL-PEACHTREE	LED	38	277	RECESSED	SEE DETAIL 1/E0.2
EE		SAME AS TYPE "E" EXCEPT PROVIDE ON EMERGENCY CIRCUIT (INVERTER)	GOTHAM EVO VR 35/18 PCU SERIES OR APPROVED EQUAL-PEACHTREE	LED	38	277	RECESSED	EXTERIOR CANOPIES
ES		SAME AS TYPE "E" EXCEPT 120V	GOTHAM EVO VR 35/18 PCU SERIES OR APPROVED EQUAL-PEACHTREE	LED	38	120	RECESSED	EXTERIOR CANOPIES
ESM (NOT USE)		SAME AS TYPE "ES" EXCEPT PROVIDE SELF CONTAINED WITH EMERGENCY BATTERY PACK	GOTHAM EVO VR 35/18 PCU SERIES OR APPROVED EQUAL	LED	38	120	RECESSED	EXTERIOR CANOPIES
F		SURFACE MOUNTED 1'x4' (NOMINAL) VOLUMETRIC FIXTURE. WHITE FINISH.	LITHONIA STL4 48L D40 LP835 SERIES LED-80 OR APPROVED EQUAL-LSI	LED	40	277	SURFACE CEILING	SUPPORT SPACES
FS		SAME AS TYPE "F" EXCEPT 120V	LITHONIA STL4 48L D40 LP835 SERIES LED-80 OR APPROVED EQUAL-LSI	LED	40	120	SURFACE CEILING	SUPPORT SPACES
G		SURFACE MOUNTED 2'x4' WRAPAROUND FIXTURE. CURVED PRISMATIC DIFFUSER. WHITE FINISH.	LITHONIA LBL4LP835 SERIES OR APPROVED EQUAL-LSI	LED	50	277	SURFACE OR PENDANT MOUNTED AS INDICATED ON PLANS	SUPPORT SPACES
H		PENDANT MOUNTED HIGH-BAY FIXTURE. WHITE PRISMATIC GLASS REFRACTOR, 18.9 DIA., 24.1: HT.	WILA LIGHTING P680844A1680 OR APPROVED EQUAL-DELRAY	LED	32	277	PENDANT	SEE DETAIL 2/E0.2
J		8'-0" LED STRIP WITH WIRE GUARD	LITHONIA #ZLN 8" TANDEM MVOLT OR APPROVED EQUAL-LSI	LED	82	MVOLT		UTILITY
K		SAME AS TYPE "J" EXCEPT 4'-0"	LITHONIA #ZLN 8" TANDEM MVOLT OR APPROVED EQUAL-LSI	LED	41	MVOLT		UTILITY
L		SAME AS TYPE "J" EXCEPT 2'-0"	LITHONIA #ZLN 8" TANDEM MVOLT OR APPROVED EQUAL-LSI	LED	32	MVOLT		UTILITY
M		2'x4' RECESSED LED TROFFER	LITHONIA LIG #2GT4 OR APPROVED EQUAL-LSI	LED	44.4	277		KITCHEN
N		TRI-BAND LOUVERED SCONCE. DIRECT/INDIRECT ILLUMINATION.	PROGRESS LIGHTING P7103, BLACK	INCANDESCENT	100	120	WALL	THEATER
P2		2 HEAD (180 DEGREE) PARKING LOT LIGHTING FIXTURE. ON 25'-0" STRAIGHT ROUND STEEL POLE. DISTRIBUTION TYPE AS SHOWN ON PLANS. FINISH SELECTED BY ARCHITECT.	LITHONIA MR2 LED 60C 1000-40K-75M OR APPROVED EQUAL-LSI	LED	412	277	25' POLE ON 30" HIGH CONCRETE POLE BASE. SEE DETAIL 5/E7.1.	PARKING LOT
P4		4 HEAD (90 DEGREE) PARKING LOT LIGHTING FIXTURE. ON 25'-0" STRAIGHT ROUND STEEL POLE. DISTRIBUTION TYPE AS SHOWN ON PLANS. FINISH SELECTED BY ARCHITECT.	LITHONIA MR2 LED 60C 1000-40K-75M OR APPROVED EQUAL-LSI	LED	824	277	25' POLE ON 30" HIGH CONCRETE POLE BASE. SEE DETAIL 5/E7.1.	PARKING LOT
X		LED EDGE LIT EXIT SIGN WITH RED LETTERS. PROVIDE SINGLE OR DOUBLE FACE WITH DIRECTIONAL CHEVRONS AND MOUNTING AS INDICATED ON PLANS	LITHONIA LRP SERIES OR APPROVED EQUAL-EMERGI-LITE	LED	18,3,4	277	SURFACE CEILING OR WALL AS INDICATED ON PLANS	EXIT EGREES PATHS
XL		LOW LEVEL EXIT SIGN NON POWERED	LITHONIA LRP SERIES OR APPROVED EQUAL-EMERGI-LITE	LED	18,3,4	277		CORRIDORS AND OTHER COMMON AREAS
WA		FLUOR WITH ANGLED LENS FACE	LITHONIA VDC 232 GEB101S OR APPROVED EQUAL-NEWSTAR	2 (32) T8	100	MVOLT	WALL	STAGE THEATRE
WB		FLUOR STRIP LIGHT	LITHONIA EJS232 GEB101SWGL-MVOLT OR APPROVED EQUAL-LSI	2 (32) T8	60	MVOLT	SURFACE	CATWALK
WC		VAPORPROOF LED JELLY JAR W/CAST GLASS	RAB LIGHTING VXBRLD130G MVOLT OR APPROVED EQUAL-LSI	LED	15	MVOLT	WALL	CORRIDOR
WD		ROUGH SERVICE LENS LINEAR FLUOR	LITHONIA VMC 232GEB101S APPROVE EQUAL-NEWSTAR	2 (32) T8	60	MVOLT	SURFACE	STAGE
WE		ROUGH SERVICE DEEP CUT-OFF WALL PACK W/ BLUE INCANDESCENT LAMP	BETA LIGHTING BSPPROTHDS 060INC120BK	40A19 BLUE	60	120	WALL	THEATER
WF		TRACK MOUNTED HALOGEN ACCENT LIGHT	HALO LT62 ACCESSORY L1962 BARN DOORS OR APPROVED EQUAL-AMERLUX	50PAR20H FL25	50	120	SURFACE	AUDIO ROOM
HA		RECESSED DMX RDM CONTROLLED LED DOWNLIGHT	AQUARI AX7530 9018RMB40	LED	75	120	RECESSED	THEATER
HB		DMX/RDM CONTROLLED LED DOWNLIGHT	GOTHAM EVO 30/10 6AR-WD-LD-ECO-CR90 11.8W, MVOLT	LED	14.1	MVOLT	SURFACE	AUDITORIUM SIDE-WALKWAYS
WG		SURFACE MOUNTED INCANDESCENT STRIP LIGHT W/ SOCKET 12" ON CTR.	CELESTIAL LIGHTING BOL 1000M825 APPROVE EQUAL-AIREY-THOMSON	INCANDESCENT	25PL	120	SURFACE	DRESSING ROOM
HC		DEEP CUT-OFF LED DOWNLIGHT	GOTHAM EVO 30/10 6AR-WD-LD-ECO S2-CR90 11.8W, 120V	LED	100	MVOLT	RECESSED	SOUND/LIGHT LOCKS VESTIBULES
HD		VOLTAIRE ARCHITECTURAL LIGHT	WILLIAMS OUTDOOR LIGHTING VF1-LED-30/750-STR-PC	LED	34	MVOLT	SURFACE	THEATER FIRST FLOOR
HE		LUMIERE EON WALL MOUNTED	LUMIER LIGHTING 303-W2-LED23000-UNV-	LED	15.5	UNIV	WALL MOUNTED	ELEVATOR TOWER AOOT
CYH		12' POLE FIXTURE	USA ARCHITECTURE LTG, #VPR-R-WLED-VSQ-PC-277 OR APPROVED EQUAL-LSI	LED	70	277	12' POLE	COURTYARD FINISH BY ARCHITECT
CYL		12' POLE FIXTURE	USA ARCHITECTURE LTG, #VPR-R-WLED-VSQ-PC-120 OR APPROVED EQUALFINISH BY ARCHITECT	LED	70	120	12' POLE	COURTYARD FINISH BY ARCHITECT
CY1		GROUND MOUNT FLOOR LUMINAIRE	LITHONIA LIG D-SERIES SIZE 3# DSX3 LED-BP1-40K-HF-THK-VG OR APPROVED EQUAL-LSI	LED	129	MVOLT	GROUND MOUNT	BLDG. SIGN LETTERING (THEATER BUILDING)
CY2		GROUND MOUNT FLOOR LUMINAIRE	LITHONIA LIG D-SERIES SIZE 2#DSX2-LED-44S30/40K-NSP-THK-VG OR APPROVED EQUAL-LSI	LED	74	MVOLT	GROUND MOUNT	WALL WASHER (BUILDING A)
CY3		WALL MOUNT LUMINAIRE	LITHONIA LIG #1WR1-1-50K-MVOLT-PC OR APPROVED EQUAL-LSI	LED	35	MVOLT	WALL MOUNT	SE BUILDING
"LE"		4',6',8',10',12'	GAMMALUX#GR6D2-15OLE40-UNV-DVR-4',6',8',10',12'5F-ASLMD-FIN. BY ARCH-20KT	LED	4'-24W 6'-42W 8'-64W 10'-80W 12'-96W	UNIV	SURFACE IN CEILING ALCOVE	LOBBY THEATER



- NOTES:
1. ATTACH ROD/HANGER WIRES TO STRUCTURE AS PER STRUCTURAL & ARCHITECTURAL DETAILS.
 2. PROVIDE ROD STIFFENER AS REQUIRED FOR SEISMIC BRACING.
 3. PROVIDE FACTORY SUPPLIED MOUNTING SUPPORT AND ACCESSORIES.

PENDANT MOUNTING TYPE "H" FIXTURE

NOT TO SCALE 2



- NOTES:
1. ATTACH ROD/HANGER WIRES TO STRUCTURE AS PER STRUCTURAL & ARCHITECTURAL DETAILS.
 2. PROVIDE ROD STIFFENER AS REQUIRED FOR SEISMIC BRACING.
 3. PROVIDE FACTORY SUPPLIED MOUNTING SUPPORT AND ACCESSORIES.

PENDANT MOUNTING TYPE "D" FIXTURE

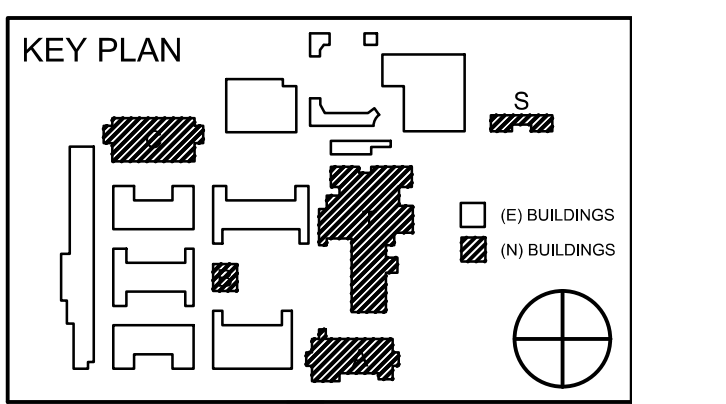
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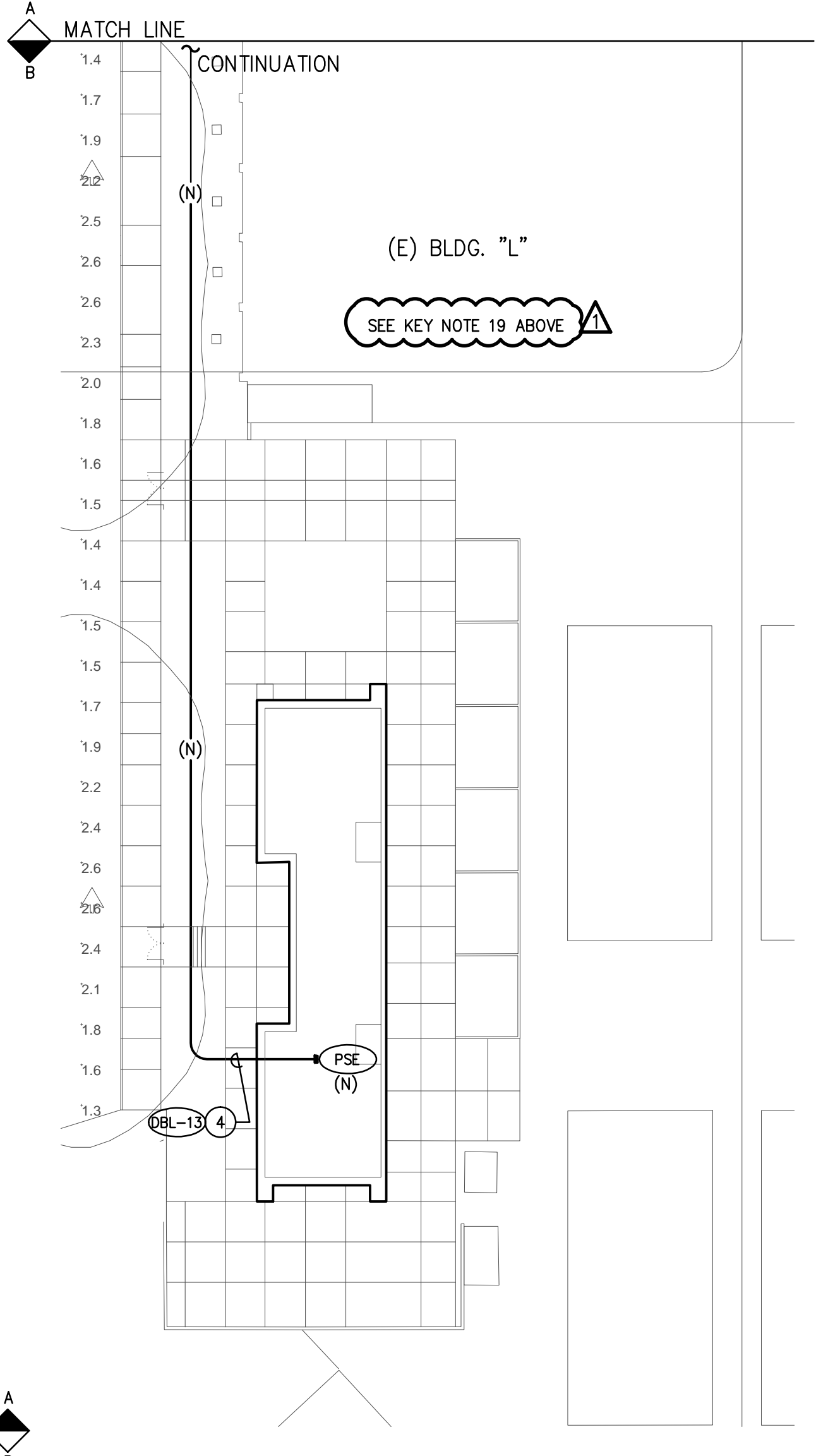
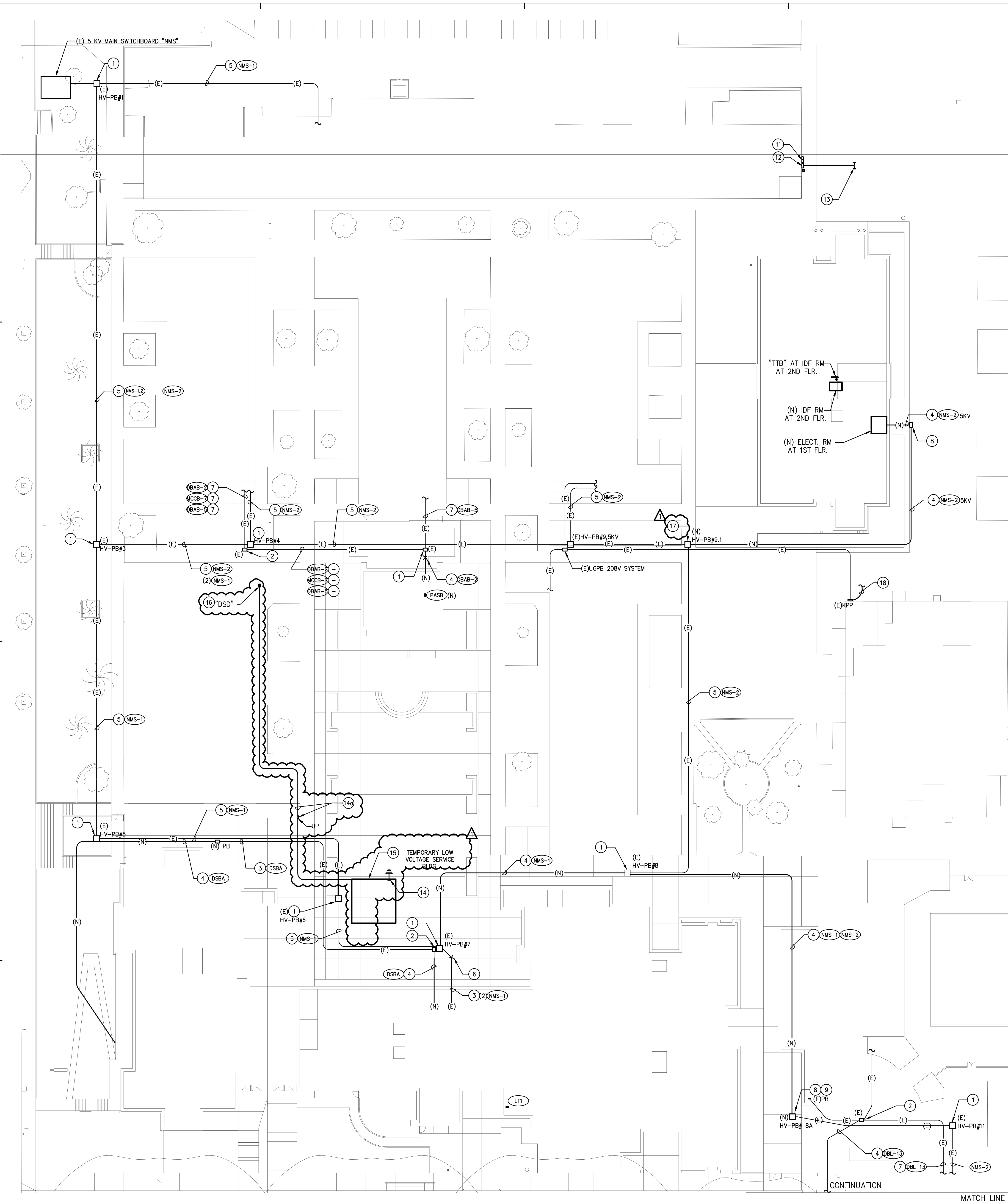
REVISION SCHEDULE

NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN: _____ CHKD: _____
DATE: 04/08/2015 SCALE: _____
PROJECT NUMBER: 1310700

LIGHTING FIXTURE SCHEDULE AND NOTES
DRAWING NUMBER: **E0.2**

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SITE POWER PLAN
1" = 30'-0"
1

GENERAL PLAN NOTES:

1. ARCHITECTURAL SITE LEGEND REFER TO SHEET A1.1.
2. PATCH AND REPAIR ALL NEW TRENCHING TO MATCH EXISTING.
3. RUN ALL NEW UNDERGROUND CONDUIT BELOW FOUNDATION.

POWER PLAN NOTES:

- 1 EXISTING 5KV UNDERGROUND PULL BOX TO REMAIN. SEE DETAIL (E)1. RESET BOXES TO MATCH NEW GRADE.
- 2 EXISTING 208 POWER SYSTEM UNDERGROUND PULL BOX TO REMAIN AND TO BE USED FOR NEW 480V POWER SYSTEM. RESET BOXES TO MATCH NEW GRADE.
- 3 EXISTING CONDUIT WITH NEW CONDUCTORS.
- 4 NEW 4" C. - 3#4/0 + 1#2 GROUND (5KV).
- 5 (E) 4" C. - 3#4/0, 1#2 GROUND (5KV).
- 6 EXISTING CONDUIT(S) & CONDUCTORS TO BE REMOVED TO BE CLEAR OF CONSTRUCTION. "X" INDICATES APPROXIMATE LOCATION TO CLEAR NEW CONSTRUCTION AND SHALL BE VERIFIED AT TIME OF CONSTRUCTION. EXISTING CONDUIT(S) SHALL BE EXTENDED, SEE E1.1.
- 7 EXISTING CONDUIT AND CONDUCTORS TO REMAIN.
- 8 NEW 5KV UNDERGROUND PULL BOX, PROVIDE AS REQUIRED MATCH EXISTING.
- 9 INTERCEPT EXISTING UNDERGROUND CONDUITS AT THIS POINT, VERIFY EXACT LOCATION IN FIELD AND PROVIDE AS REQUIRED.
- 10 NEW 480V POWER SYSTEM UNDERGROUND PULL BOX, MATCH EXISTING.
- 11 EXISTING OUTDOOR SERVICE BOARD TO REMAIN 400A, 120/240V, 1PHASE, 3W. FEEDING EXISTING PORTABLE P21-P26.
- 12 EXISTING OUTDOOR SERVICE BOARD TO REMAIN 400A, 120/208V, 3PHASE, 4W FEEDING EXISTING PORTABLE P13-P20.
- 13 EXISTING PANELBOARD TO REMAIN, PROVIDE REQUIRED MOUNTING SUPPORT. MAINTAIN CONTINUITY OF ALL PORTABLE TO REMAIN SEE DEMO PLAN E1.2D.
- 14 PROVIDE NEW PNL "TP" IN TEMPORARY LV BUILDING. REFER TO SINGLE LINE DIAGRAM ON E5.1 7 PANEL SCHEDULE ON E5.4.
- 15 REFER TO ENLARGED PLAN ON E1.3.
- 16 EXISTING DISTRIBUTION BOARD "DSD" IN ELECTRIC ROOM BLDG. D, REFER TO SINGLE LINE DIAGRAM ON E5.1.
- 17 PATCH SURFACES AT HVOPB #9.1.
- 18 PROVIDE POWER FOR TEMPORARY FOOD SERVICE AS SHOWN, VERIFY LOCATION AND ELECTRICAL REQUIREMENTS WITH THE DISTRICT AND PROVIDE AS REQUIRED.
- 19 PROVIDE POWER FOR TEMPORARY ADMIN RESTROOM TRAILERS SOUTH OF GYM FEED IT FROM EXISTING "DSB". VERIFY LOCATION AND ELECTRICAL REQUIREMENTS WITH THE DISTRICT AND PROVIDE AS REQUIRED.

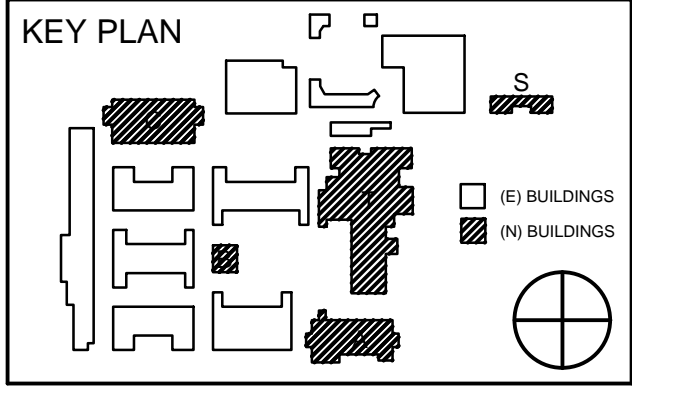
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12/12/2015	ADDENDUM 1	

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PROJECT NUMBER: 1310700	

SITE POWER PLAN

DRAWING NUMBER: **E1.1**

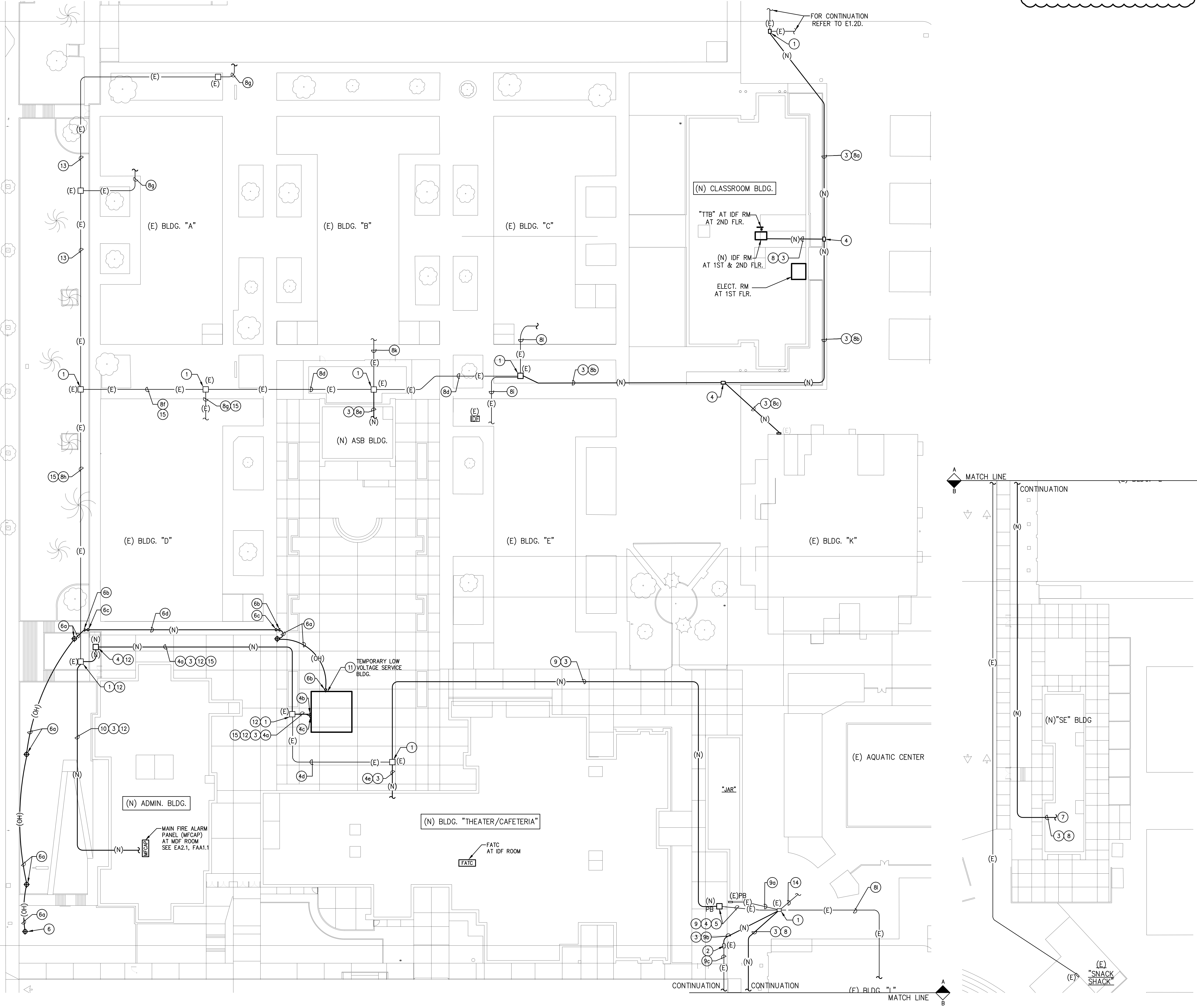
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GENERAL PLAN NOTES:

1. ARCHITECTURAL SITE LEGEND REFER TO SHEET A1.1.
2. PATCH AND REPAIR ALL NEW TRENCHING TO MATCH EXISTING.
3. RUN ALL NEW UNDERGROUND CONDUIT BELOW FOUNDATION.
4. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND PROVIDE AS REQUIRED BY UTILITY COMPANY (TEL/CATV) TO PROVIDE TEMPORARY SERVICE CABLES TO TEMPORARY LV SERVICE BUILDING. SEE PLAN NOTE #11 ON THIS SHEET.

SIGNAL PLAN NOTES:

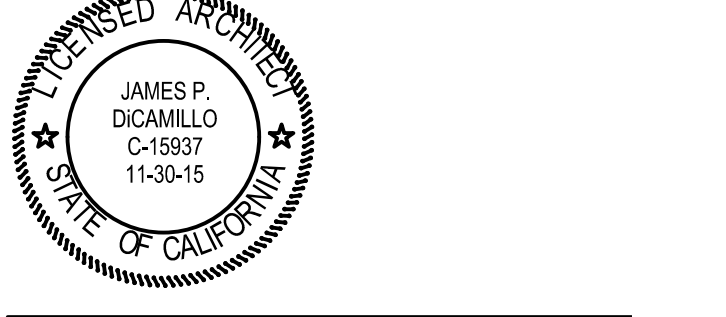
- 1 EXISTING "SIGNAL" UNDERGROUND PULL BOX TO REMAIN. SEE DETAIL 7/ET1
- 2 EXISTING "CCTV" UG PB AND CONDUIT TO "SNACK SHACK" TO REMAIN (1" C, #8 & #10G).
- 3 NEW UNDERGROUND CONDUIT WITH NEW CABLING.
- 4 NEW "SIGNAL" UNDERGROUND PULL BOX, PROVIDE AS REQUIRED MATCH EXISTING.
- 4a (1)4" C.O. (SPARE), 2" C (DATA) W/ (14)2strand SMFO, 4" C (TEL) W/ (9)150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12strand SMFO, 2" C (CCTV) W/ 12strand SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 4 #12 & 4 PAIR #22 SHIELDED.
- 4b NEW 24" x 36" x 6" NEMA 3R, WALL MOUNT SIGNAL PULL BOX.
- 4c NEW 16" x 16" x 6" NEMA 3R, WALL MOUNT FA PULL BOX.
- 4d EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O.: (2)4" C.O. (SPARE), 4" C (TEL) W/ EXIST (5)150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12strand SMFO, 2" C (CCTV) W/ 12strand SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 8 #12, 4" C (DATA) W/ (5)12strand SMFO.
- 4e (1)4" C.O. (SPARE), 4" C (TEL) W/ 12strand SMFO, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12strand SMFO, 2" C (CCTV) W/ 12strand SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 12 #12, 4" C (DATA) W/ 12strand SMFO.
- 5 INTERCEPT EXISTING UNDERGROUND CONDUITS AT THIS POINT, VERIFY EXACT LOCATION IN FIELD AND PROVIDE AS REQUIRED.
- 6 EXISTING UTILITY POLE WITH CATV SERVICE TO REMAIN, AND TO BE RE-ROUTED OVERHEAD & RECONNECTED TO TEMPORARY ADMINISTRATION OFFICE. CONTRACTOR SHALL REMOVE POLE AND OVERHEAD CATV SERVICE CONDUCTORS COMPLETE. AFTER TEMPORARY ADMINISTRATION BUILDING IS FULLY OPERATIONAL. REFER TO PLAN NOTE 4 ON DEMO PLAN SHEET E1.2D.
- 6a PROVIDE NEW OH LINES PER UTILITY STANDARD ON NEW 30FT WOODEN POLE, COORDINATE INSTALLATION WITH UTILITY COMPANY (CATV/TEL). SEE GEN. NOTE 4. REQUIRED.
- 6b PROVIDE NEW 4" SERVICE HEAD (CATV/TEL) WITH MOUNTING SUPPORT AS REQUIRED.
- 6c PROVIDE NEW 30" x 24" x 6" NEMA 3R PULLBOX ON TOP OF THE CANOPY ABOVE CANOPY AS SHOWN.
- 6d 2" C (CATV) W/ 12STRAND SMFO, 4" C (TEL) W/ 3/25 & 2" C (TEL) W/ 12STRAND SMFO RUN ABOVE CANOPY.
- 6e REFER TO ENLARGED PLAN ON E5.4.
- 7 FOR CONTINUATION REFER TO SHEET ES2.1.
- 8 (1)4" C.O. (SPARE), 4" C (TEL) W/ 1150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12strand SMFO, 2" C (CCTV) W/ 12strand SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 4 #10 & 4 PAIR #22 SHIELDED, 2" C (DATA) W/ 12strand SMFO.
- 8a 2" C (TEL) W/ (1)150, 2" C (FA) CABLES REFER SHEET FA0.6, 2" C (CATV) W/ RG11, 2" C (CCTV) W/ (5) 4 PAIR #24 UTP CAT 6, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 4 #10 & 2 PAIR #22 SHIELDED, 2" C (DATA) W/ 12strand SMFO.
- 8b (1)4" C.O. (SPARE), 4" C (DATA) W/ (3)12strand SMFO, 4" C (TEL) W/ (3)150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12strand SMFO & RG11, 2" C (CCTV) W/ 12strand SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 4 #10.
- 8c (1)3" C.O. (SPARE), 2" C (DATA) W/ 12SMFO, 4" C (TEL) W/ (1)150, 2" C (FA) CABLES REFER SHEET FA0.6, 2" C (CATV) W/ 12SMFO & RG11, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 8 #10.
- 8d EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O.: (1)4" C.O. (SPARE), 4" C (DATA) W/ (7)12SMFO, 4" C (TEL) W/ (7)150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12SMFO & RG11, 2" C (CCTV) W/ 12SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 4 #12.
- 8e (1)3" C.O. (SPARE), 2" C (TEL) W/ 1150, 2" C (FA) CABLES REFER SHEET FA0.6, 2" C (CATV) W/ 12SMFO, 2" C (CCTV) W/ 12SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 4 #10, 3" C (SPARE) W/ 12SMFO.
- 8f EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O.: (1)4" C.O. (SPARE), 4" C (DATA) W/ (9)12SMFO, 4" C (TEL) W/ (9)150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12SMFO & RG11, 2" C (CCTV) W/ 12SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 8 #10.
- 8g EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O.: (1)4" C.O. (SPARE), 4" C (DATA) W/ (9)12SMFO, 4" C (TEL) W/ (9)150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12SMFO & RG11, 2" C (CCTV) W/ 12SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 10 #12, 3" C (SPARE) W/ 12SMFO.
- 8h EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O.: (1)4" C.O. (SPARE), 4" C (DATA) W/ (9)12SMFO, 4" C (TEL) W/ (9)150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12SMFO & RG11, 2" C (CCTV) W/ 12SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 8 #10.
- 8i EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O.: (1)4" C.O. (SPARE), 4" C (DATA) W/ (9)12SMFO, 4" C (TEL) W/ (9)150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12SMFO & RG11, 2" C (CCTV) W/ 12SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 10 #12, 3" C (SPARE) W/ 12SMFO.
- 8j EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O.: (1)4" C.O. (SPARE), 4" C (DATA) W/ (9)12SMFO, 4" C (TEL) W/ (9)150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12SMFO & RG11, 2" C (CCTV) W/ 12SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 10 #12, 3" C (SPARE) W/ 12SMFO.
- 9 4" C (SPARE), 4" C (TEL) W/ (3)150, 2" C (FA) CABLES REFER SHEET FA0.6, 3" C (CATV) W/ 12strand SMFO, 4" C (CCTV) W/ 12strand SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 4 #10, 4" C (DATA) W/ (3)12strand SMFO.
- 9a EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O.: (1)4" C.O. (SPARE), 2" C (TEL) W/ (1)150, 2" C (FA) CABLES REFER SHEET FA0.6, 2" C (CATV) W/ 12SMFO & RG11, 2" C (CCTV) W/ 12SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 8 #10, 3" C (SPARE) W/ 12SMFO.
- 9b EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O.: (1)4" C.O. (SPARE), 2" C (TEL) W/ (1)150, 2" C (FA) CABLES REFER SHEET FA0.6, 2" C (CATV) W/ 12SMFO & RG11, 2" C (CCTV) W/ 12SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 8 #10, 3" C (SPARE) W/ 12SMFO.
- 10 (2)4" C.O. (SPARE), 4" C (TEL) W/ 12strand SMFO CABLE, 4" C (DATA) W/ 12 strand FO CABLE, 3" C (FA) CABLE REFER TO SHEET FA0.6, 3" C (CATV) W/ 12strand FO CABLE, 2" C (EMS) W/ 2 #18 WIRES, 2" C (CLOCK) W/ 8 #10.
- 11 TEMPORARY LOW VOLTAGE (LV) BUILDING. REFER TO ENLARGED PLAN ON SHEET E1.3.
- 12 PROVIDE ADEQUATE LENGTH OF 12STRAND SMFO CABLES (DATA) FROM TEMPORARY LV PORTABLE BUILDING MDF TO BE USED TO RE-CONNECT TO NEW PERMANENT MDF AT NEW ADMIN BLDG.
- 13 EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O.: (2)3" C (SPARE), 2" C (TEL) W/ (2)150, 2" C (FA) CABLES REFER SHEET FA0.6, 2" C (CATV) W/ RG11, 3" C (CCTV) W/ 12strandFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 8 #10, 3" C (DATA) W/ (2) 12strandFO
- 14 EXISTING UG CONDUIT TO REMAIN WITH NEW CABLES U.N.O. TO EXISTING AQUATIC CENTER. VERIFY EXISTING: (2)3" C (SPARE), 2" C (TEL) W/ (1)150, 2" C (FA) CABLES REFER SHEET FA0.6, 2" C (CATV) W/ 12SMFO & RG11, 2" C (CCTV) W/ 12SMFO, 2" C (EMS) W/ 2#18 WIRES, 2" C (CLOCK) W/ 8 #10, 3" C (DATA) W/ 12SMFO.
- 15 FOR MAIN PA RACK AT TEMP LV BLDG. PROVIDE 2" C WITH (1) 50PAIR CU, 2 #10 (CLOCK) AND 2 #18 (SPEAKER) TO EXISTING BUILDING "D".



SITE SIGNAL PLAN
1" = 30'-0"
1

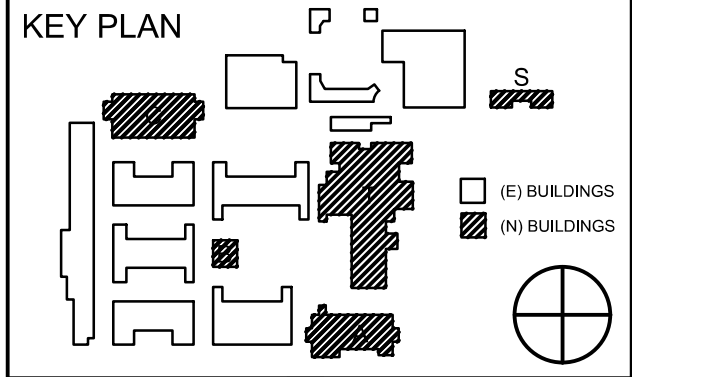
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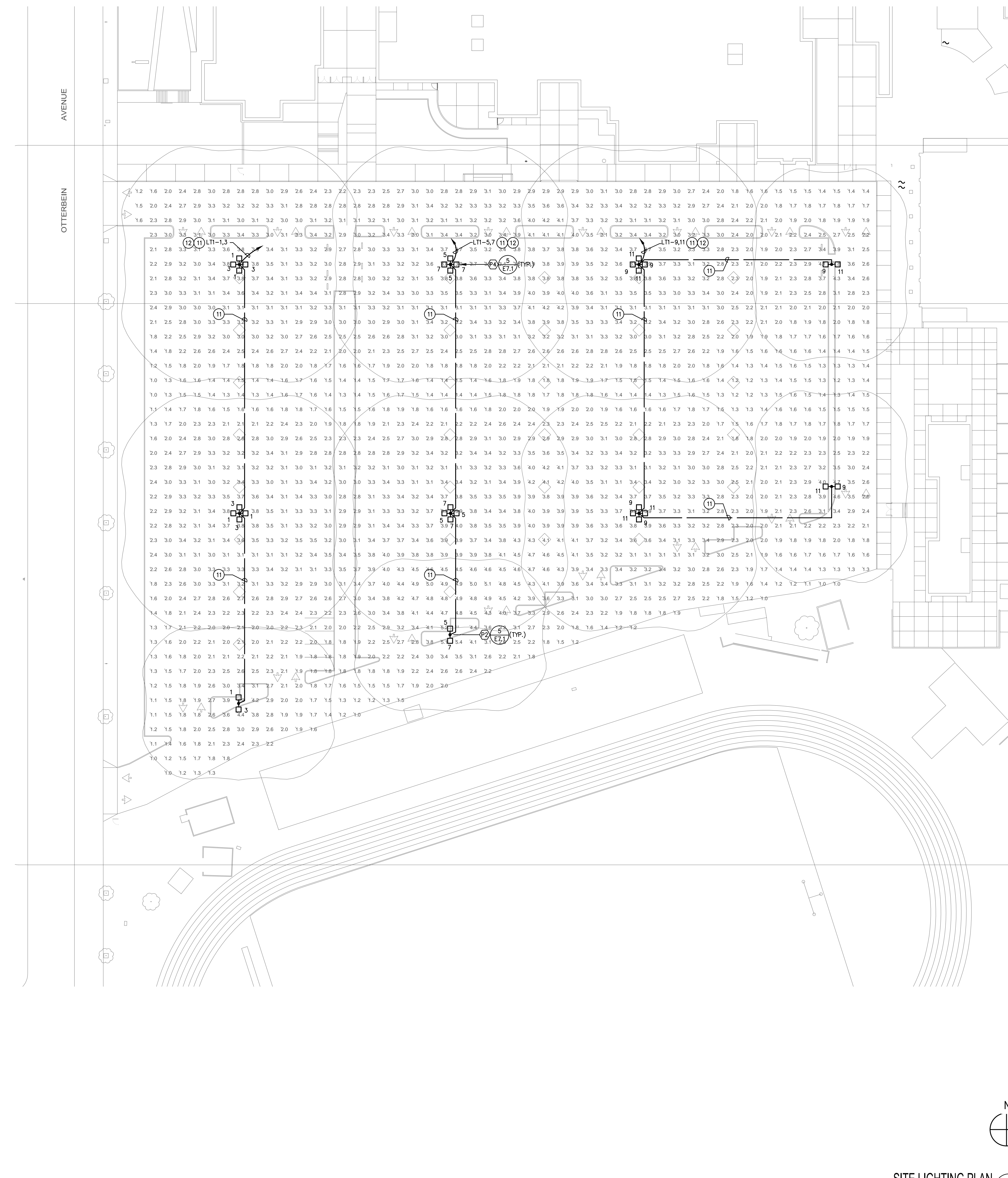


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	05/08/2014	90% CD PROGRESS
	05/29/2014	DSA SUBMITTAL
	04/08/2015	DSA BACK CHECK
	12/12/2015	ADDENDUM 1

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SITE
SIGNAL (LV) PLAN
DRAWING NUMBER: **E1.2**



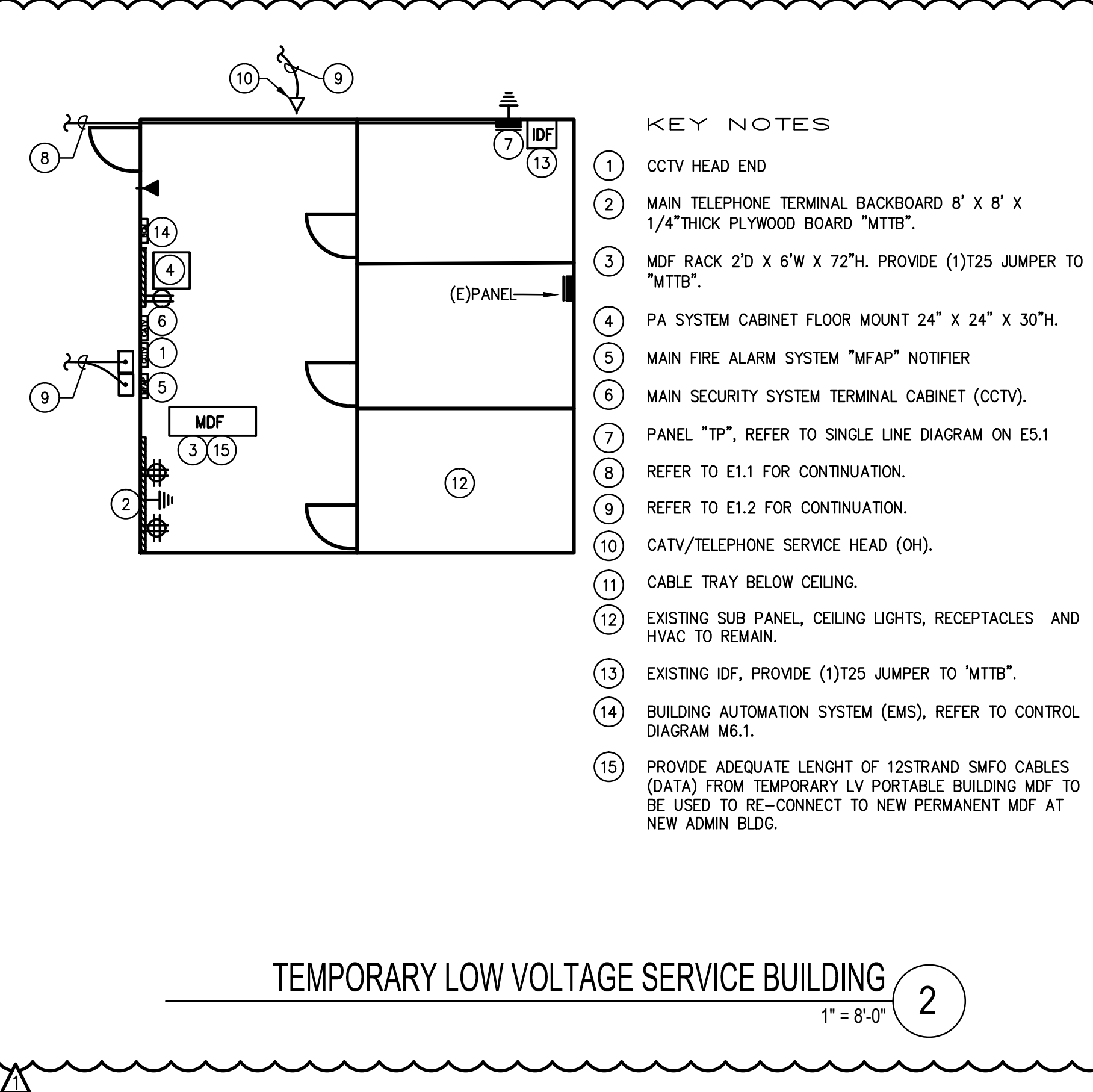
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	P4	6	MR2 LED 60C 1000 40K TSM	OMERO ARCHITECTURAL ARM- MOUNTED LED AREA LUMINAIRE WITH 60 4000K LEDS OPERATED AT 1000MA AND PRECISION MOLDED ACRYLIC TYPE III LENS	LED	MR2_LED_60C _1000_40K_T5 M.ies	Absolute	0.90	824
	P2	4	MR2 LED 60C 1000 40K TSM	OMERO ARCHITECTURAL ARM- MOUNTED LED AREA LUMINAIRE WITH 60 4000K LEDS OPERATED AT 1000MA AND PRECISION MOLDED ACRYLIC TYPE III LENS	LED	MR1_LED_1_6 3B530_40K_S R3.ies	Absolute	0.90	412

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE	+	2.7 fc	5.5 fc	1.0 fc	5.5:1	2.7:1

- GENERAL NOTES**
- OVERALL HEIGHT AT 27'-6" AFG (25'-0" POLE, 2'-6" BASE)
 - CALCULATIONS TAKEN AT GROUND CALCULATION POINT SPACING AT 10' X 10'
 - 1.0FC ISOLINE CURVE

- GENERAL PLAN NOTES:**
- ARCHITECTURAL SITE LEGEND REFER TO SHEET A1.1.

- PLAN NOTES:**
- EXISTING SKV UNDERGROUND PULL BOX TO REMAIN. SEE DETAIL
 - EXISTING 208 POWER SYSTEM UNDERGROUND PULL BOX TO REMAIN AND TO BE USED FOR NEW 480V POWER SYSTEM.
 - EXISTING CONDUIT WITH NEW CONDUCTORS.
 - NEW CONDUIT WITH NEW CONDUCTORS.
 - (E) 4"C. - 3#4/0, 1#2 GROUND (5KV).
 - EXISTING CONDUIT(S) & CONDUCTORS TO BE REMOVED TO BE CLEAR OF CONSTRUCTION. "X" INDICATES APPROXIMATE LOCATION TO CLEAR NEW CONSTRUCTION AND SHALL BE VERIFIED AT TIME OF CONSTRUCTION. EXISTING CONDUIT(S) SHALL BE EXTENDED, SEE E1.1.
 - EXISTING CONDUIT AND CONDUCTORS TO REMAIN.
 - NEW SKV UNDERGROUND PULL BOX, PROVIDE AS REQUIRED MATCH EXISTING.
 - INTERCEPT EXISTING UNDERGROUND CONDUITS AT THIS POINT, VERIFY EXACT LOCATION IN FIELD AND PROVIDE AS REQUIRED.
 - NEW 480V POWER SYSTEM UNDERGROUND PULL BOX, MATCH EXISTING.
 - 3/4"C. - 3#10, 1#10 GROUND.
 - PARKING LOT LIGHTING, EMS CONTROL, REFER TO EMS DIAGRAM ON M6.1



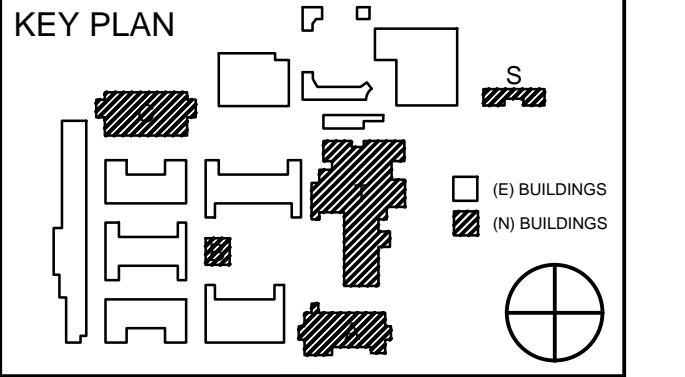
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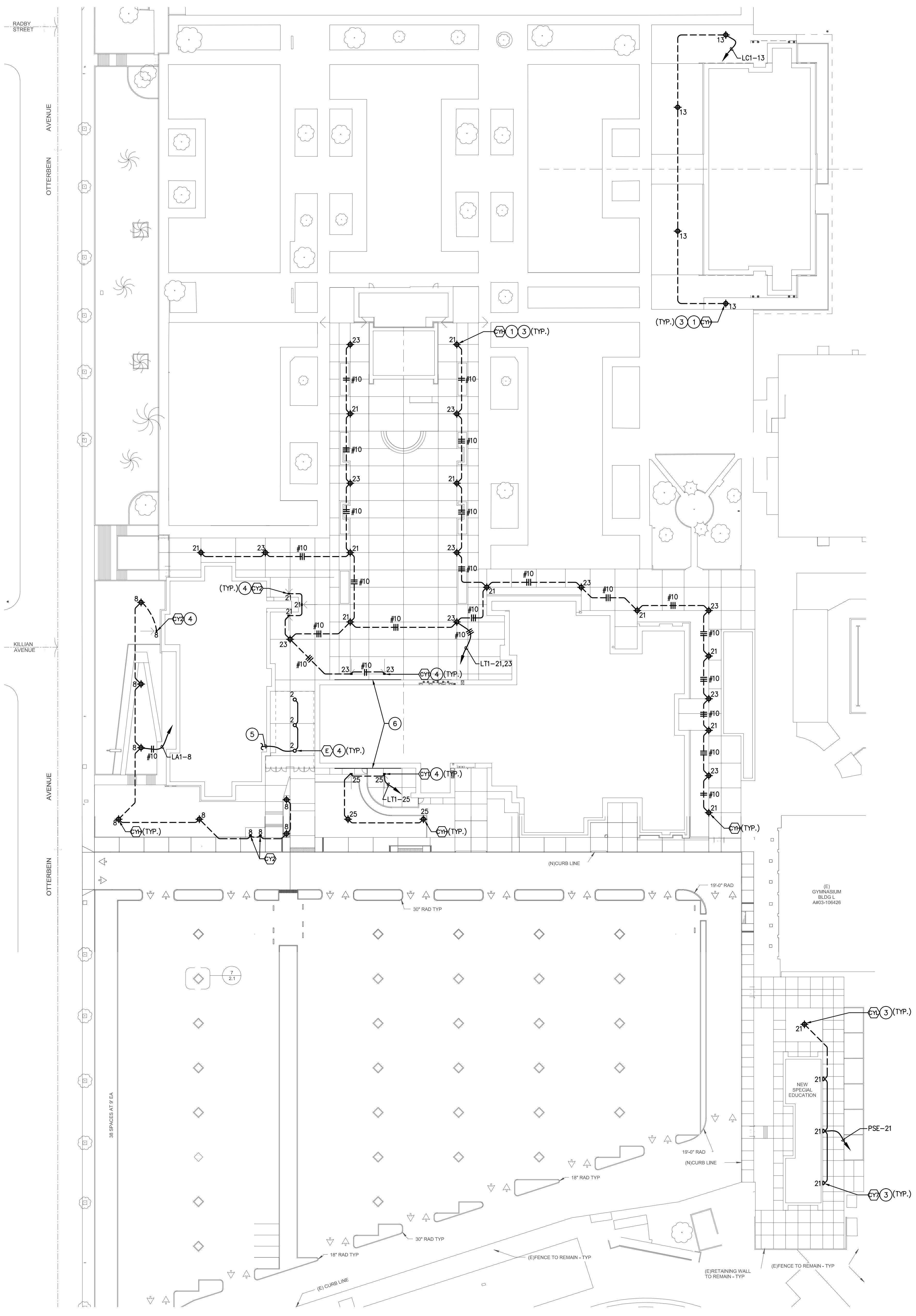
SITE LIGHTING PLAN & TEMP. LV SERVICE BLDG.

DRAWING NUMBER: **E1.3**

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SITE LIGHTING PLAN
1" = 30'-0" 1

S:\PROJECTS\2013 Jobs\13.021 Rowland Heights HS-Renovations\CAD\E1.3A Courtyard Lighting.dwg



ENLARGED SITE PLAN
1" = 40'-0" 12

- PLAN KEY NOTES:**
- 1 SEE POLE BASE DETAIL #8 ON SHEET E7.1.
 - 2 PROVIDE PHOTOCELL CONTROL, LOCATE ON ROOF, VERIFY IN FIELD.
 - 3 LIGHT FIXTURE WITH PHOTOCELL.
 - 4 TIME CLACK CONTROL.
 - 5 CONNECT TO CIRCUIT LA1-2, SEE LIGHTING PLAN EA3.1 FOR CONTINUATION.
 - 6 BUILDING LETTERING, REFER TO ARCHITECTURAL PLAN FOR DETAIL.

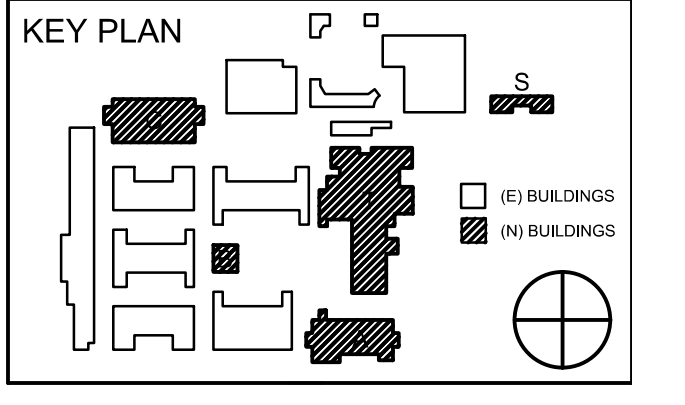
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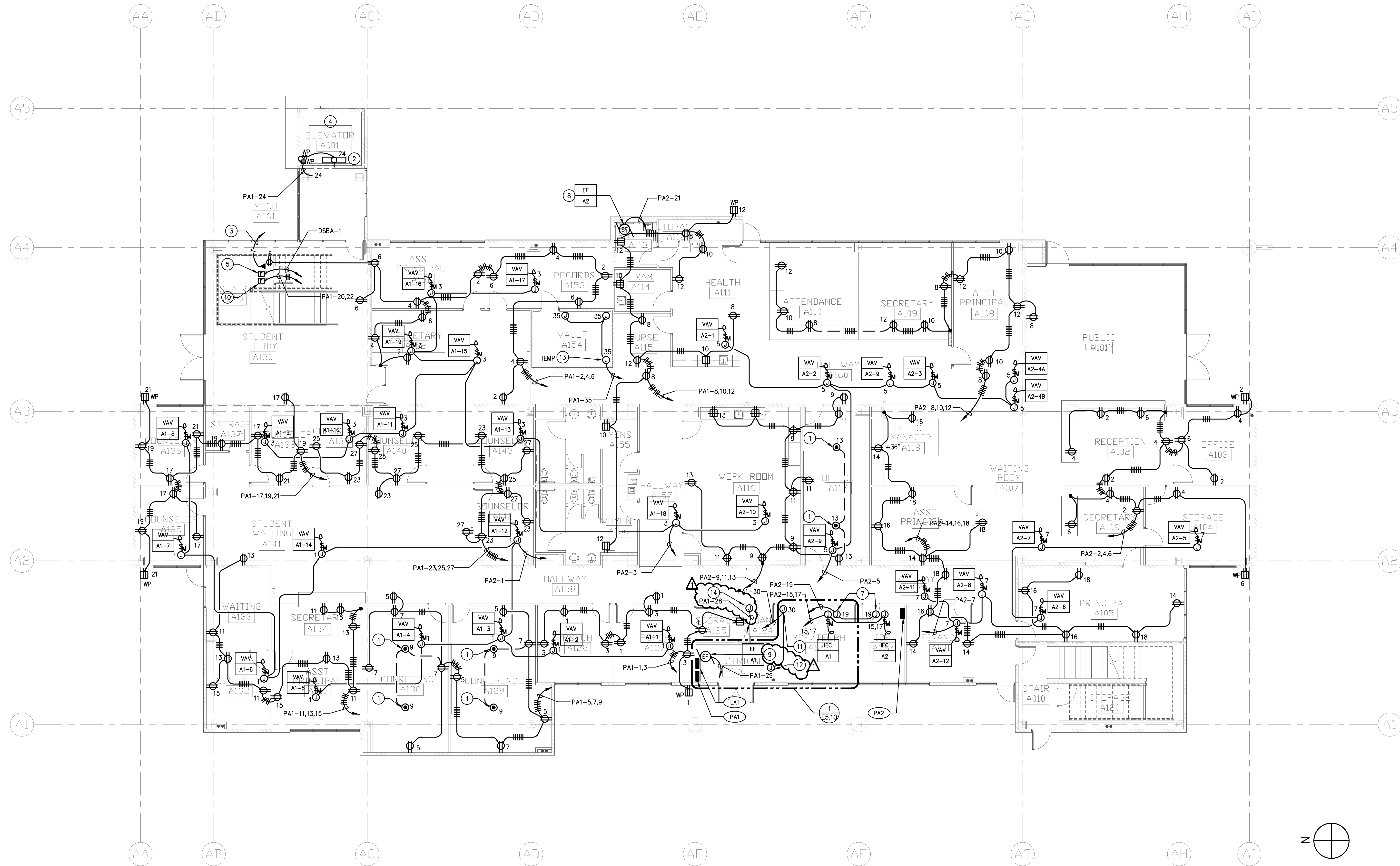


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05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: _____ CHKD: _____
DATE: 04/08/2015 SCALE: _____
PROJECT NUMBER: 1310700

COURTYARD LIGHTING PLAN
DRAWING NUMBER: **E1.3A**

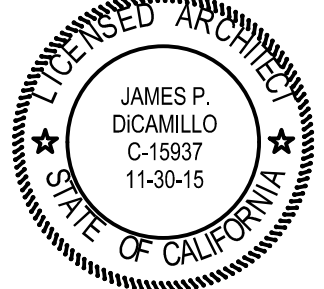


ADMINISTRATION BUILDING FIRST FLOOR POWER PLAN 1
1/8" = 1'-0"

PLAN NOTES:

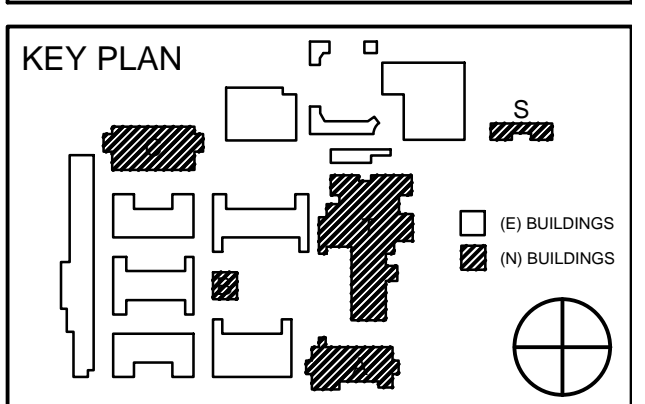
- 1 COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2 PROVIDE LITHONIA VR232-PCL-MVOLT-GB10IS LIGHT FIXTURE, NEMA 3R GFCI RECEPTACLE AND NEMA 3R LIGHT SWITCH. VERIFY EXACT REQUIREMENTS AND MOUNTING LOCATIONS WITH ELEVATOR CONTRACTOR.
- 3 CONNECT TO CAB PHONE AND NEAREST IDF WITH 3/4" C.O.
- 4 COORDINATE EXACT LOCATION OF DEVICES WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN.
- 5 PROVIDE FUSED SWITCH PER MANUFACTURER'S REQUIREMENTS. CONNECT TO ELEVATOR. REFER SINGLE LINE DIAGRAM FOR REQUIREMENTS.
- 6 NOT USED.
- 7 POWER JUNCTION BOX FOR CONDENSATE PUMP (1/6 HP, 120V) FOR FAN COIL UNIT. PROVIDE AS REQUIRED.
- 8 NOT USED.
- 9 CONTROL BY LINE VOLTAGE THERMOSTAT PROVIDED BY MECHANICAL WIRE BY ELECTRICAL. PROVIDE AS REQUIRED.
- 10 ELEVATOR CAB LIGHT & ELEVATOR FAN DISCONNECT 30AS,20AF,2P
- 11 POWER FOR "BCM" PANEL, REFER TO CONTROL DIAGRAM M6.1
- 12 POWER FOR "VLC", REFER TO CONTROL DIAGRAM M6.1
- 13 POWER TO COMBINATION FIRE-SMOKE DAMPER.
- 14 POWER J-BOX FOR WH-1A TIME CLOCK.

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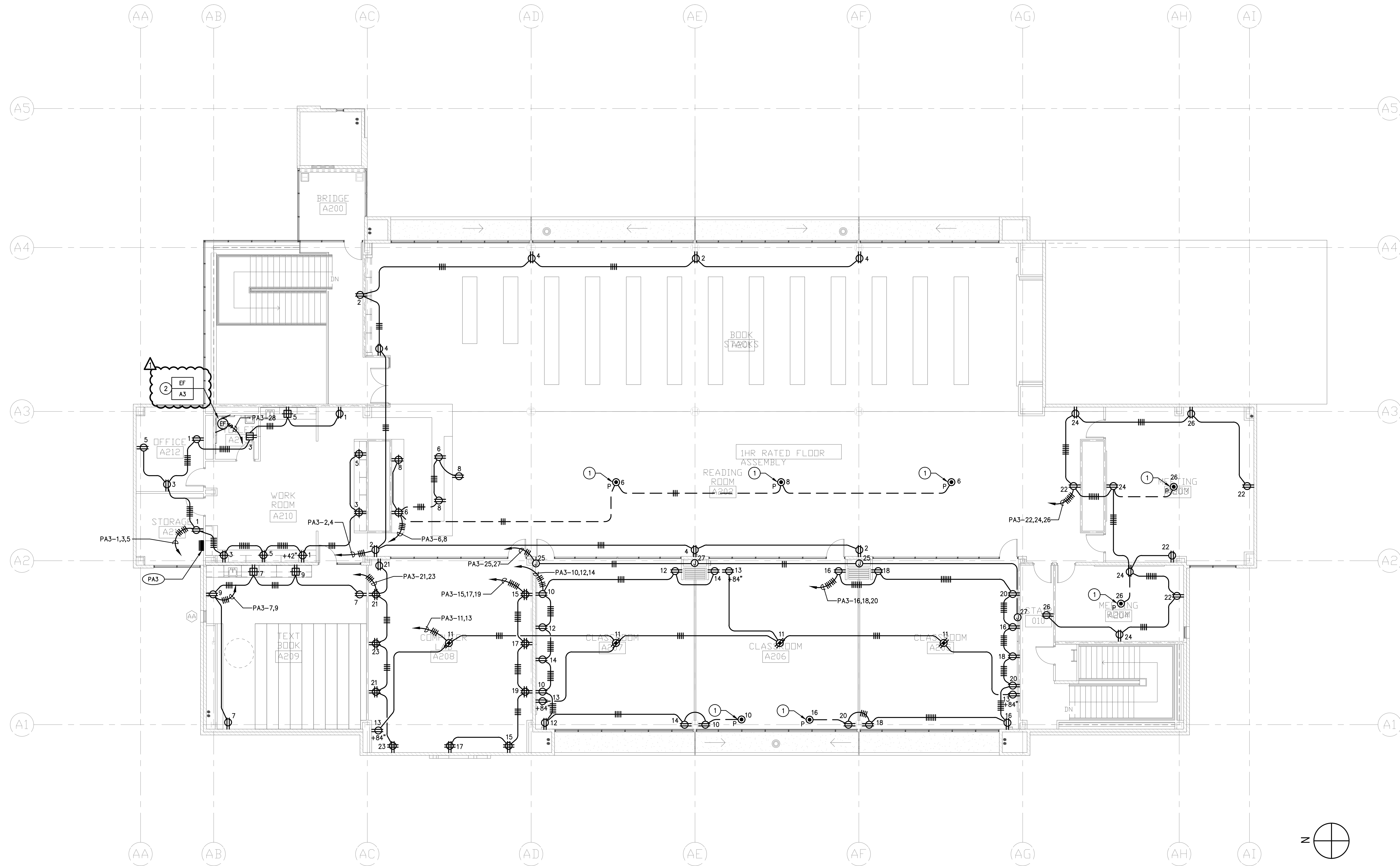


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN: CHKD:
DATE: 04/08/2015 SCALE:
PROJECT NUMBER: 1310700

ADMINISTRATION BUILDING FIRST FLOOR POWER PLAN

DRAWING NUMBER: **EA2.1**



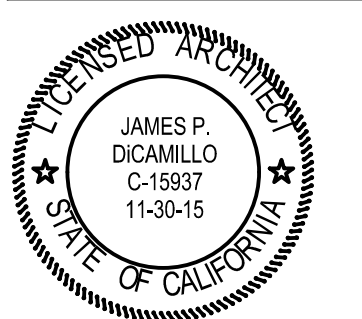
ADMINISTRATION BUILDING SECOND FLOOR POWER PLAN 1
1/8" = 1'-0"

PLAN NOTES:

- 1 COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2 INTERLOCK WITH LIGHT SWITCH VIA RELAY IN OCCUPANCY SENSOR. PROVIDE AS REQUIRED.

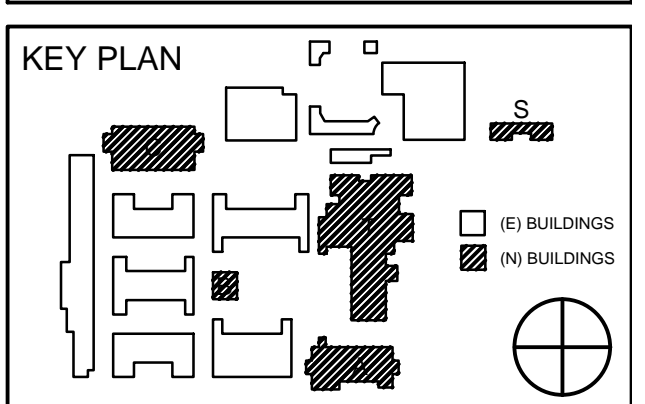
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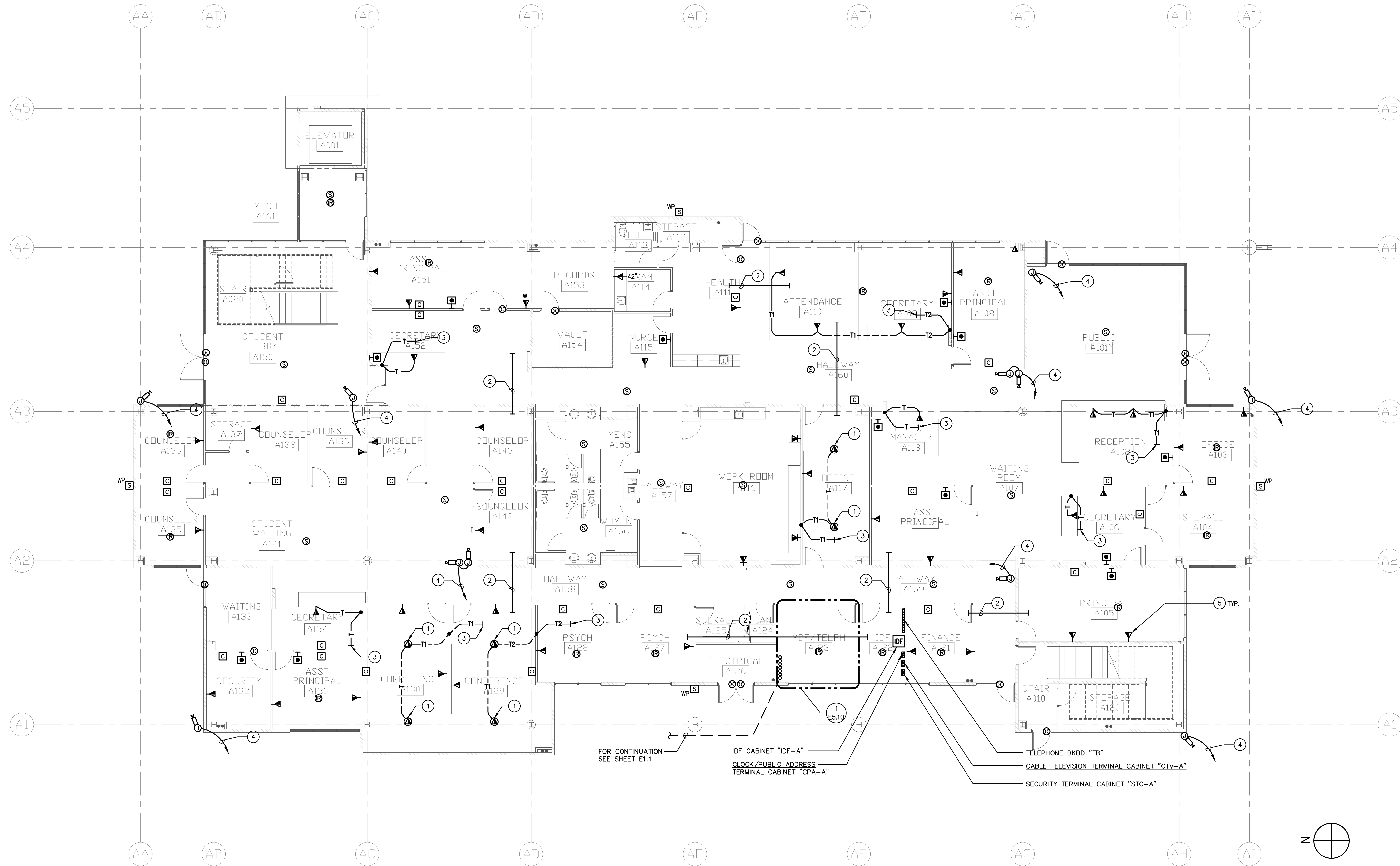


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
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05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN:	CHKD:
DATE: 04/08/2015	SCALE:
PROJECT NUMBER: 1310700	

ADMINISTRATION BUILDING SECOND FLOOR POWER PLAN

DRAWING NUMBER: **EA2.2**



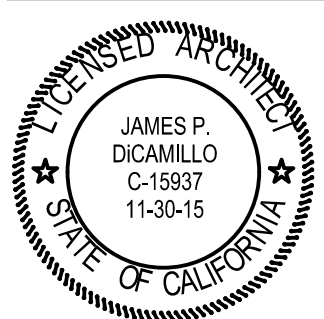
ADMINISTRATION BUILDING FIRST FLOOR SIGNAL PLAN 1
1/8" = 1'-0"

PLAN NOTES

- 1 COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2 CONDUIT INTO ACCESSIBLE CEILING SPACE AS FOLLOWS:
 (1) 4" C. (DATA)
 (1) 2" C. (TELEPHONE)
 (1) 2" C. (CLOCK/SPEAKER)
 (1) 2" C. (INTRUSION DETECTION)
 (1) 2" C. (SPARE)
- 3 STUB CONDUIT UP INTO ACCESSIBLE CEILING SPACE.
- 4 3/4" C.O. TO STC-A CABINET.
- 5 REFER TO SYMBOL LIST FOR ALL SIGNAL DEVICES INCLUDING CONDUIT SIZES.

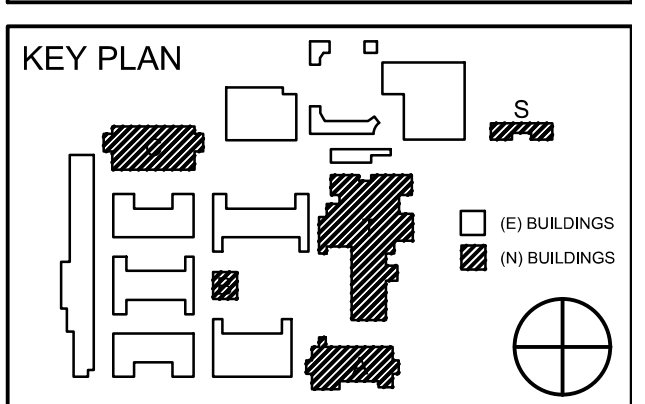
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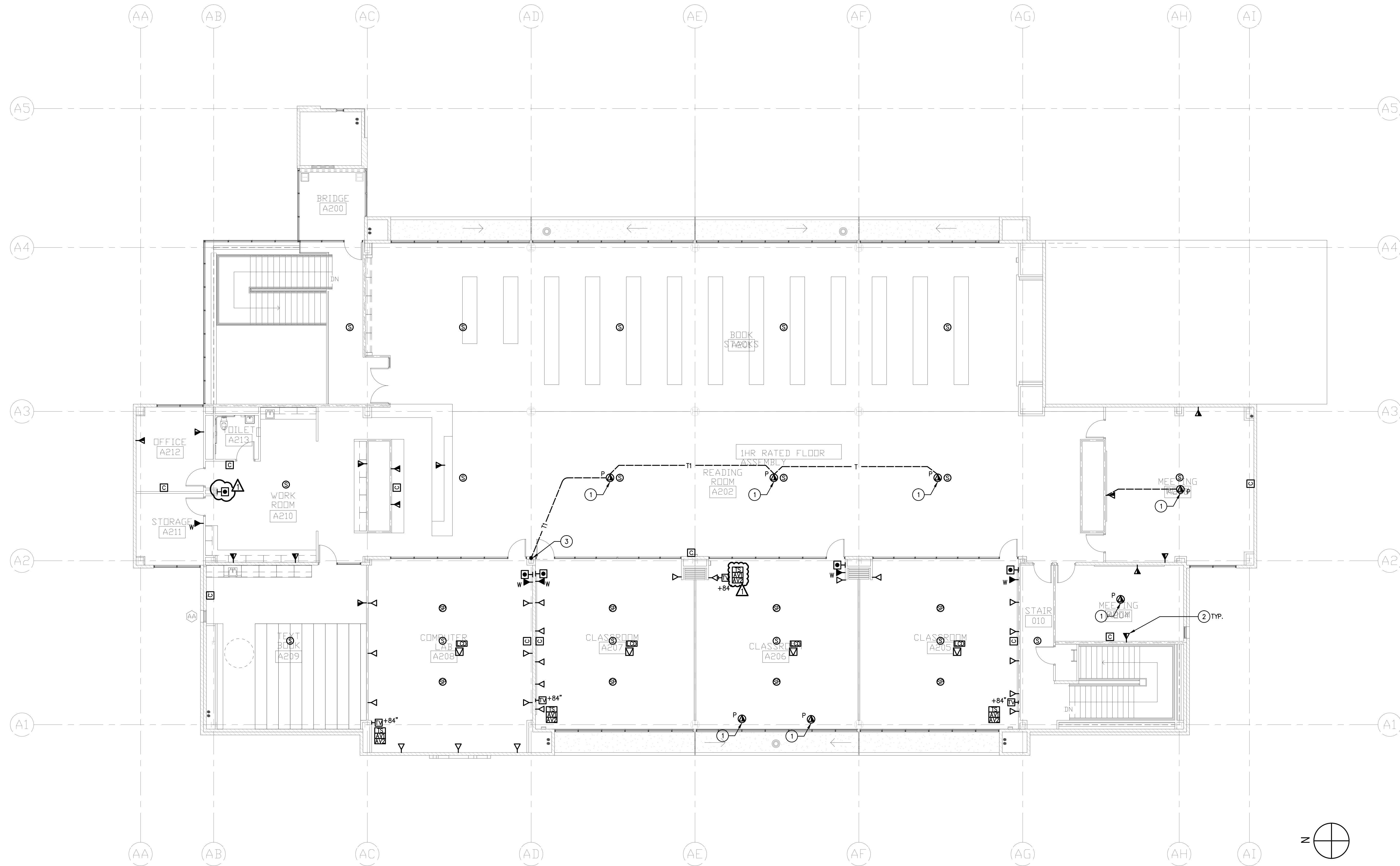


REVISION SCHEDULE		
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05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

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DATE: 04/08/2015	SCALE:
PROJECT NUMBER: 1310700	

ADMINISTRATION BUILDING FIRST FLOOR SIGNAL PLAN

DRAWING NUMBER: **EA2.3**



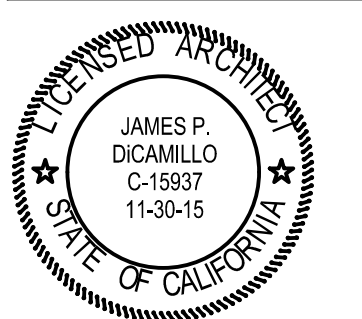
ADMINISTRATION BUILDING SECOND FLOOR SIGNAL PLAN 1
1/8" = 1'-0"

PLAN NOTES

- ① COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- ② REFER TO SYMBOL LIST FOR ALL SIGNAL DEVICES INCLUDING CONDUIT SIZES
- ③ STUB UP INTO CEILING SPACE. VERIFY POINT OF STUB UP LOCATION.

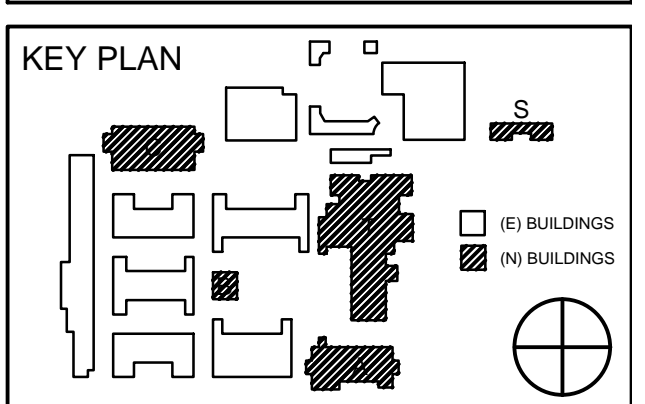
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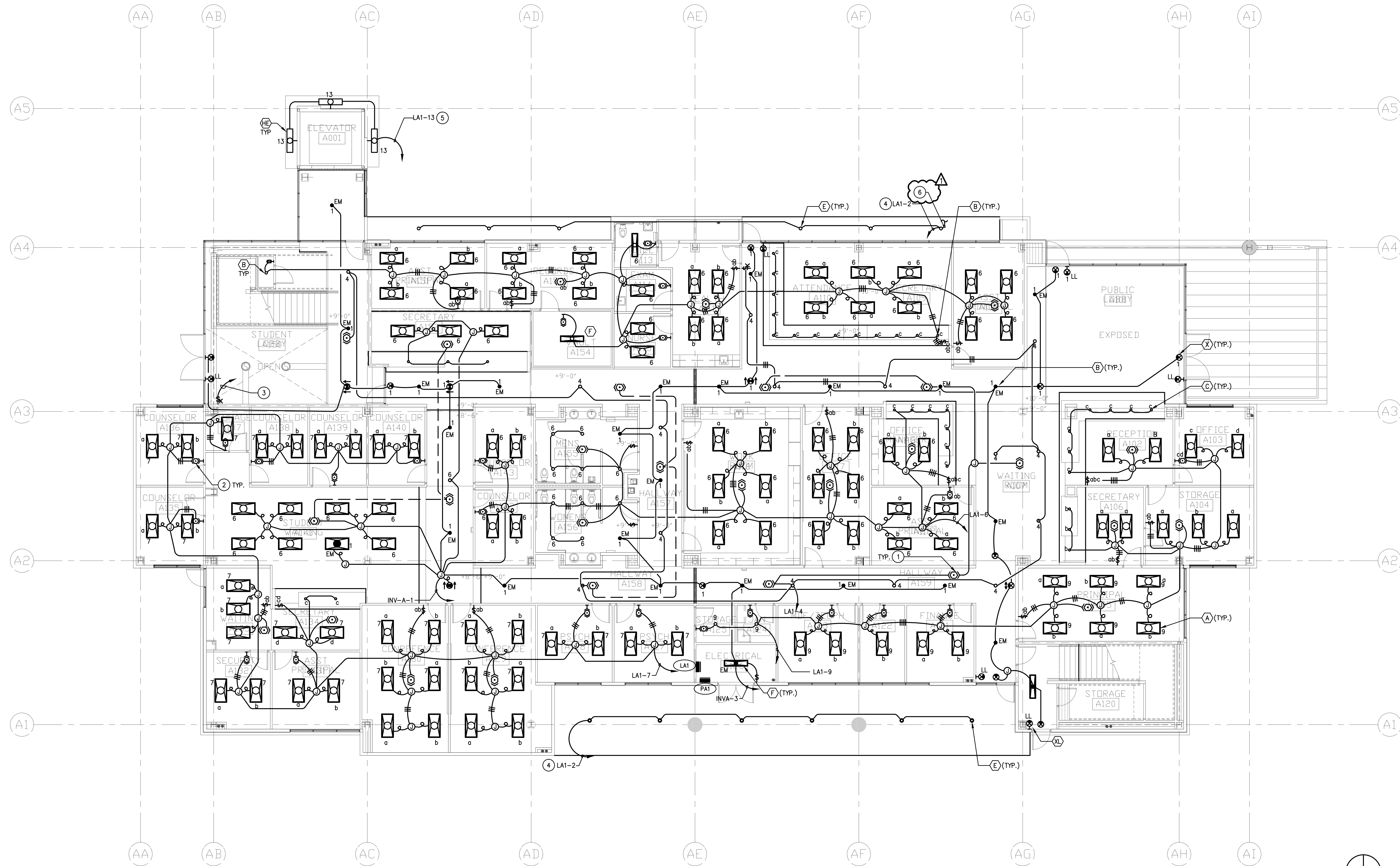


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05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

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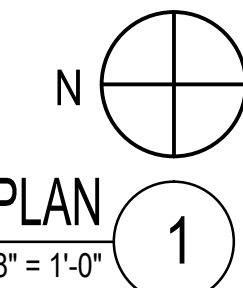
ADMINISTRATION BUILDING SECOND FLOOR SIGNAL PLAN

DRAWING NUMBER: **EA2.4**



ADMINISTRATION BUILDING FIRST FLOOR LIGHTING PLAN

1/8" = 1'-0"

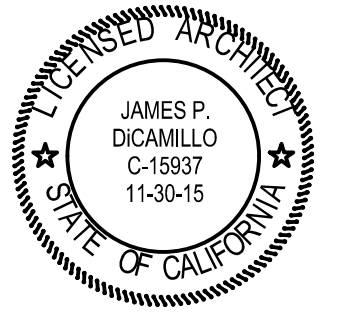


PLAN NOTES:

- 1 PROVIDE CEILING MOUNTED OCCUPANCY SENSOR WITH 2000 SQ.FT. 360° COVERAGE HUBBELL # OMNID2000RP1277V. PROVIDE POWER PACKS AS REQUIRED. FIELD VERIFY EXACT LOCATION AND ORIENTATION FOR COMPLETE COVERAGE AND OPERATION.
- 2 PROVIDE MANUAL "ON" MULTI-TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR WITH DUAL CIRCUIT SWITCHING HUBBELL #HMMD2-W WITH WHITE FINISH.
- 3 SEE SECOND FLOOR FOR CONDUIT CONTINUATION.
- 4 PROVIDE J-BOX ABOVE LAI PANEL TO MERGE SAME CIRCUIT PRIOR TERMINATION.
- 5 WALL WASH FIXTURE UP AND DOWN LIGHTS MOUNT AT 9' AFF. SEE LIGHTING FIXTURE SCHEDULE FOR DETAIL.
- 6 CONNECT TO CANOPY LIGHT, SEE COURTYARD LIGHTING ON E1.3A FOR CONTINUATION.

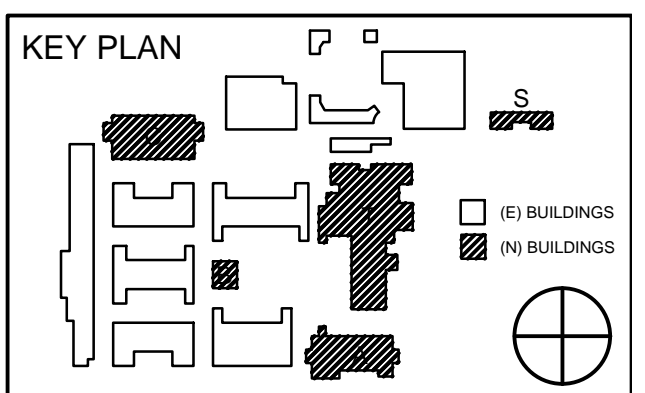
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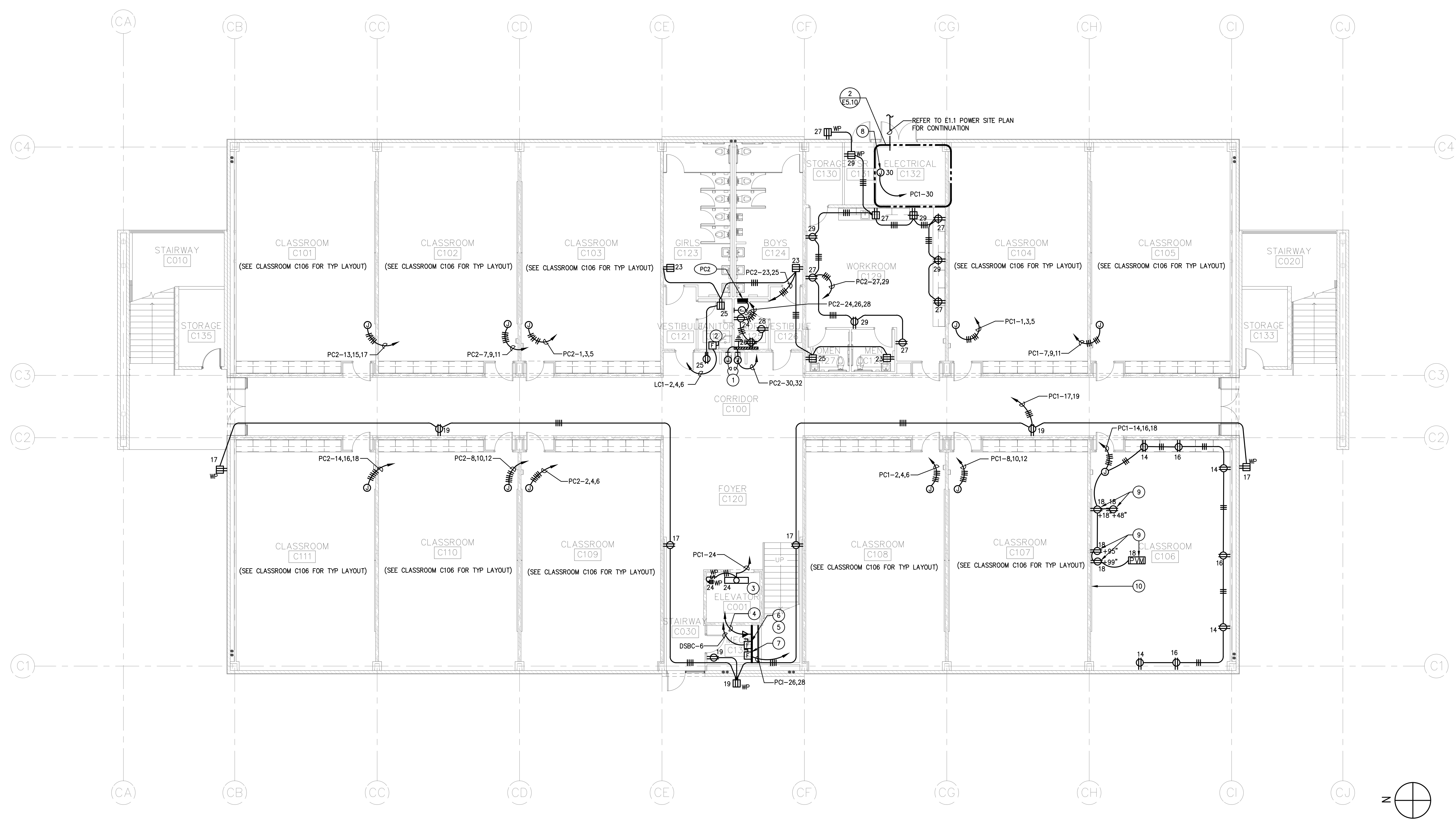


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05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
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12/12/2015		ADDENDUM 1

DRWN: CHKD:
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PROJECT NUMBER: 1310700

ADMINISTRATION BUILDING FIRST FLOOR LIGHTING PLAN

DRAWING NUMBER: **EA3.1**



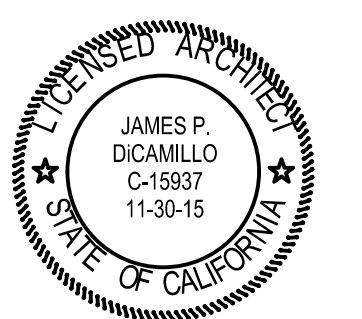
CLASSROOM BUILDING FIRST FLOOR POWER PLAN 1
1/8" = 1'-0"

POWER PLAN KEY NOTES:

- 1 CONNECT AS REQUIRED TO DRINKING FOUNTAIN. VERIFY EXACT REQUIREMENTS WITH PLUMBING.
- 2 FUSED DISCONNECT 15AS, 3P, 15AF FOR WATER HEATER, 6KW, 480V, 3ø. VERIFY EXACT LOCATION WITH PLUMBING DRAWING.
- 3 PROVIDE LITHONIA VRI232-PCL-MVOLT-GE810IS LIGHT FIXTURE, NEMA 3R GFCI RECEPTACLE AND NEMA 3R LIGHT SWITCH. VERIFY EXACT REQUIREMENTS AND MOUNTING LOCATIONS WITH ELEVATOR CONTRACTOR.
- 4 CONNECT TO CAB PHONE AND NEAREST IDF WITH 3/4" C.O.
- 5 COORDINATE EXACT LOCATION OF DEVICES WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN.
- 6 PROVIDE FUSED SWITCH PER MANUFACTURER'S REQUIREMENTS. CONNECT TO ELEVATOR. REFER SINGLE LINE DIAGRAM FOR REQUIREMENTS
- 7 ELEVATOR CAB LIGHT & ELEVATOR FAN DISCONNECT SWITCH (30AS,2P,20AF).
- 8 POWER FOR "VLC" (EMS), REFER TO CONTROL DIAGRAM-M6.1.
- 9 FOR AV DRAWINGS INSTALLATION DIAGRAM, DETAIL AND REQUIREMENTS REFER TO SPECIFICATIONS.
- 10 TEACHING WALL WITH SMART (ENO) BOARD.

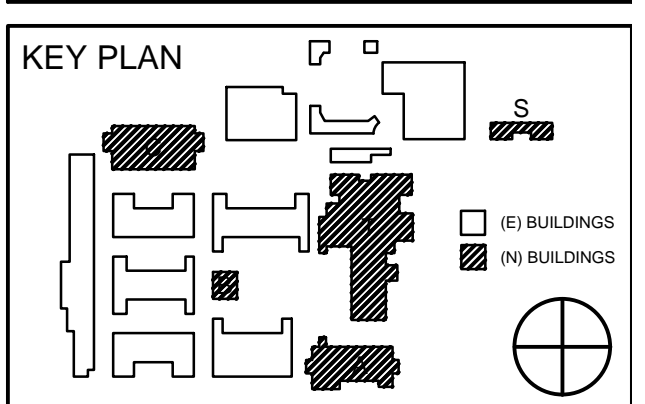
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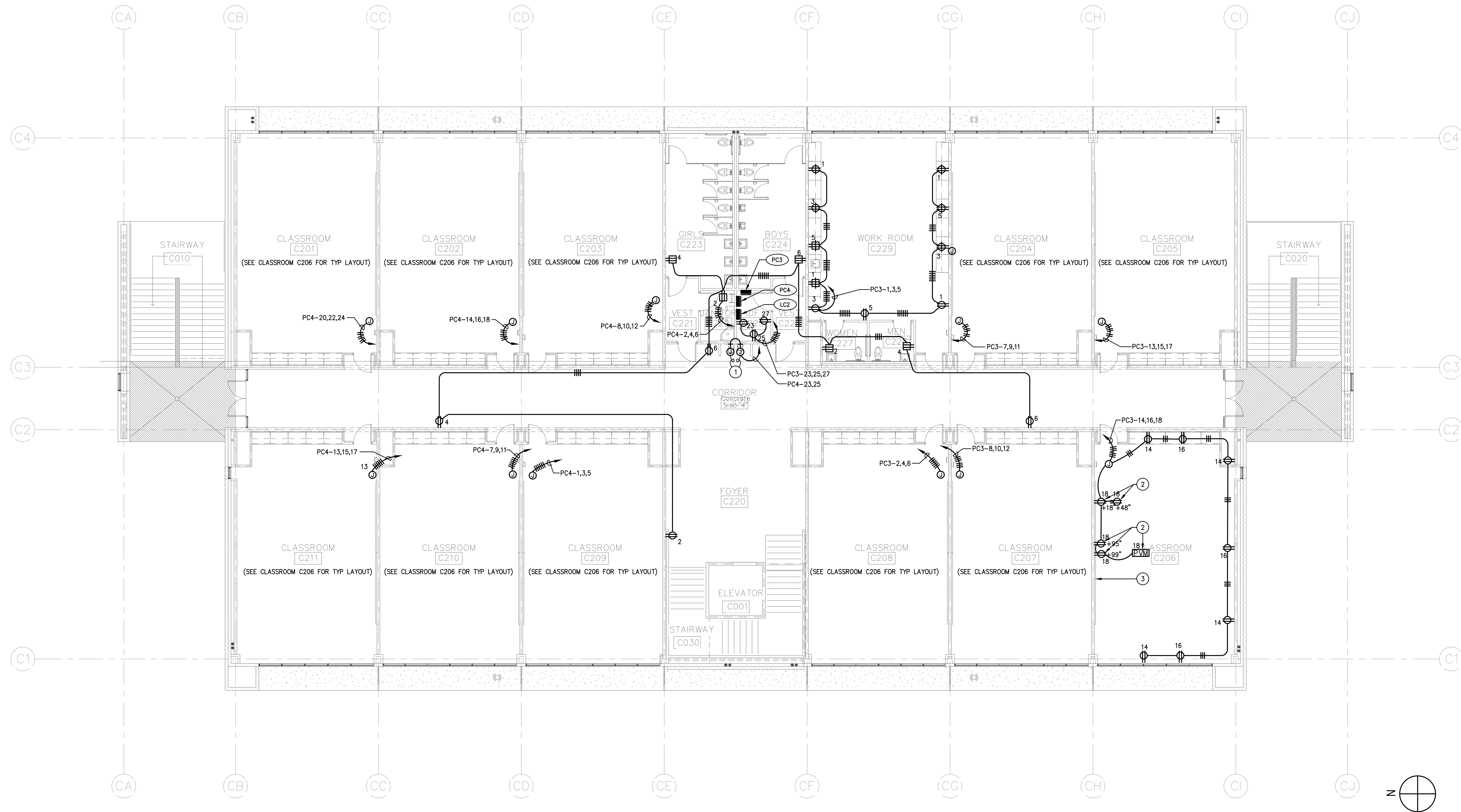


REVISION SCHEDULE		
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12/12/2015		ADDENDUM 1

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PROJECT NUMBER: 1310700	

CLASSROOM BUILDING
1ST FLOOR POWER
PLAN

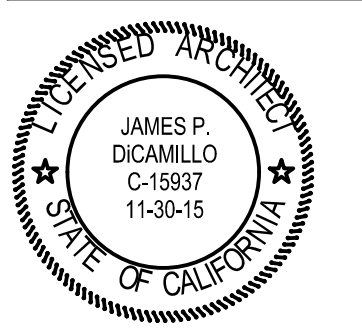
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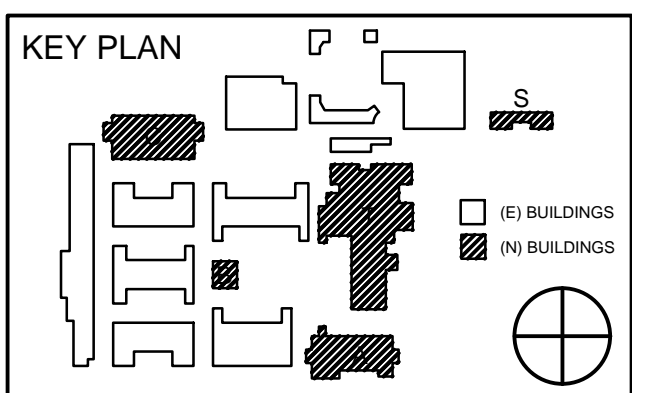
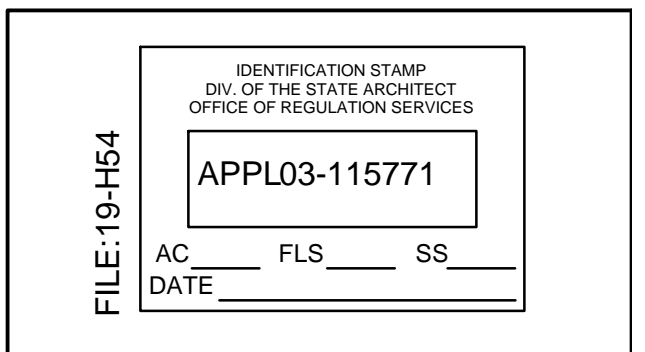
CLASSROOM BUILDING SECOND FLOOR POWER PLAN 1
1/8" = 1'-0"

POWER PLAN KEY NOTES:

- ① CONNECT AS REQUIRED TO DRINKING FOUNTAIN. VERIFY EXACT REQUIREMENTS WITH PLUMBING.
- ② FOR AV DRAWINGS INSTALLATION DIAGRAM, DETAIL AND REQUIREMENTS REFER TO SPECIFICATION 11 00 00.
- ③ TEACHING WALL WITH SMART (ENO) BOARD.



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04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: _____ CHKD: _____
DATE: 04/08/2015 SCALE: _____
PROJECT NUMBER: 1310700

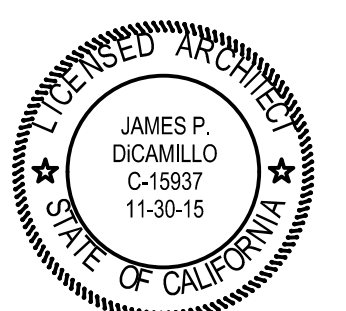
CLASSROOM BUILDING
2ND FLOOR POWER
PLAN

DRAWING NUMBER: **EC2.2**

ROWLAND HIGH SCHOOL ADDITION

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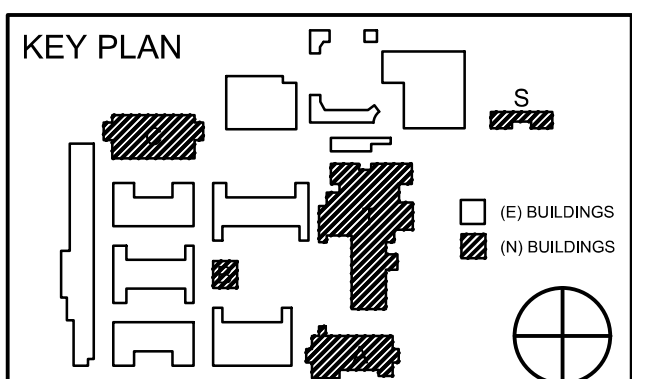
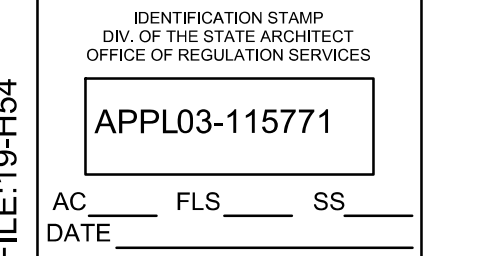
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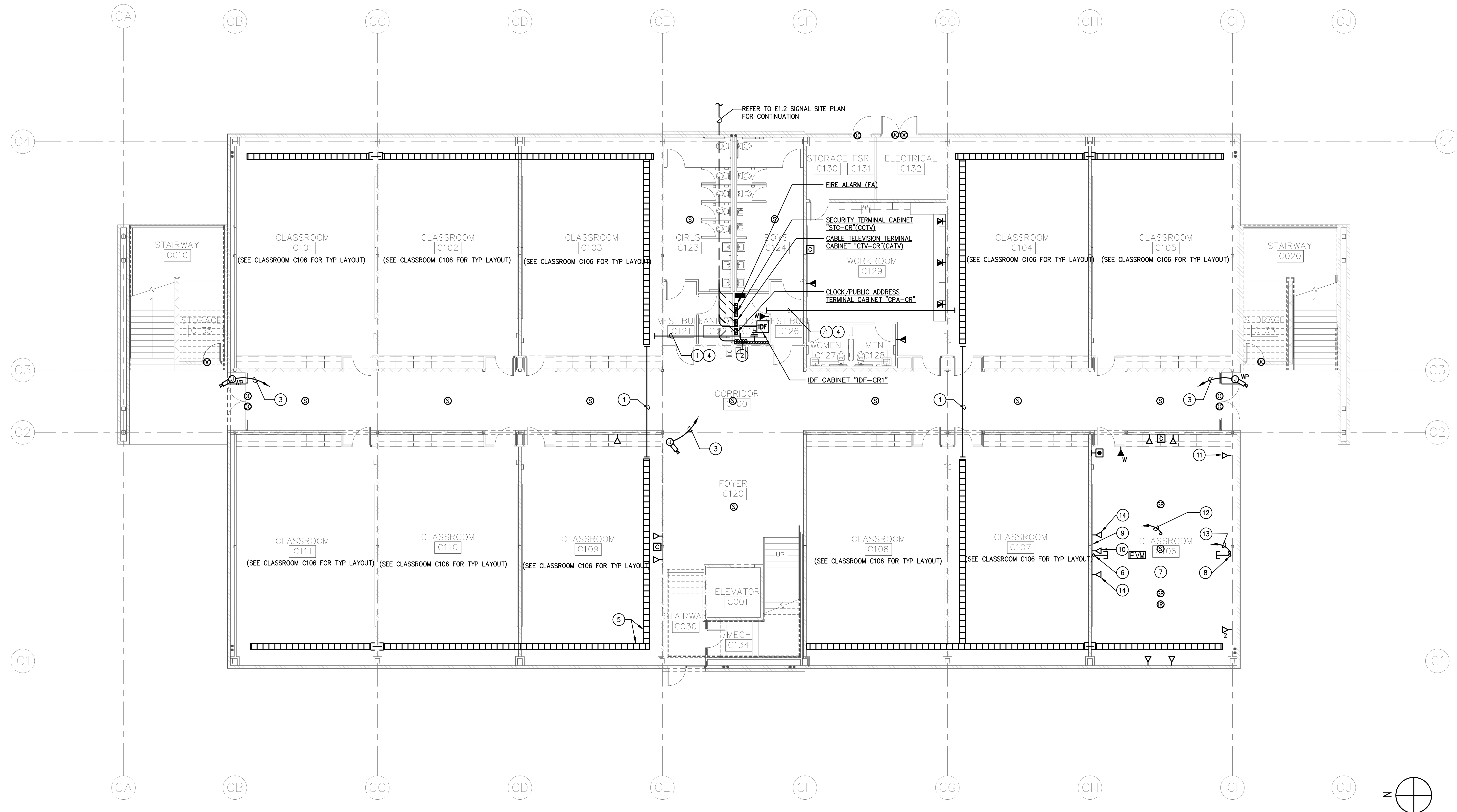


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05/29/2014		DSA SUBMITTAL
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12/12/2015		ADDENDUM 1

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**CLASSROOM BUILDING
1ST FLOOR SIGNAL
PLAN**

DRAWING NUMBER: **EC2.3**



CLASSROOM BUILDING FIRST FLOOR SIGNAL PLAN 1
1/8" = 1'-0"

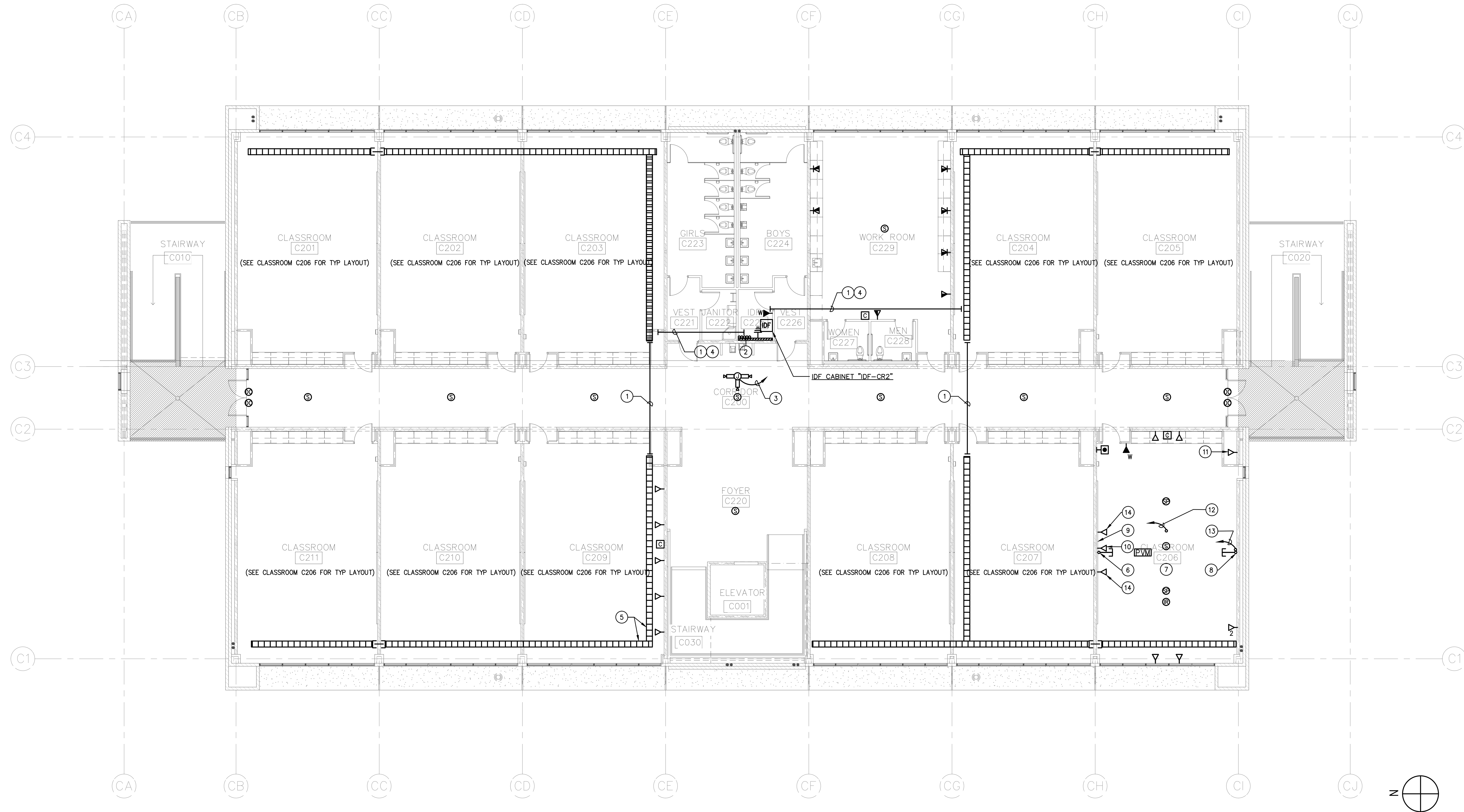
SIGNAL PLAN KEY NOTES:

- ① CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE AS FOLLOWS:
 (1) 4"C. (DATA), REFER TO SHEET E1.2 FOR LV CABLES.
 (1) 2"C. (TELEPHONE), REFER TO SHEET E1.2 FOR LV CABLES.
 (1) 2"C. (CLOCK/SPEAKER), REFER TO SHEET E1.2 FOR LV CABLES.
 (1) 2"C. (INTRUSION DETECTION), REFER TO SHEET E1.2 FOR LV CABLES.
 (1) 2"C. (FIRE ALARM), REFER TO SHEET E1.2 FOR LV CABLES.
 (1) 2"C. (SPARE)
- ② (4) 3"C. SLEEVES TO IDF ROOM ABOVE.
- ③ 3/4"C.O. TO STC CABINET AT IDF ROOM.
- ④ CONNECT TO IDF CABINET.
- ⑤ CABLE TRAY ABOVE ACCESSIBLE CEILING, TYPICAL.
- ⑥ 1 1/2"C STUB IN CEILING SPACE, PROVIDE (1) HDMI & (1) VGA TO IDF ROOM.
- ⑦ FOR AV DRAWINGS INSTALLATION DIAGRAM, DETAIL AND REQUIREMENTS REFER TO SPEC SECTION 11 00 00.
- ⑧ 1 1/2"C STUB IN CEILING SPACE, PROVIDE (2) HDMI & (1) VGA TO IDF ROOM.
- ⑨ TEACHING WALL WITH SMART (ENO) BOARD.
- ⑩ SINGLE GANG MUD RING FOR LV INTO WALL VAULT 8.45" FROM CENTER OF TEACHING WALL 8"-2.75" FROM FINISHED FLOOR. PROVIDE 1 3/4"C STUBBED INTO ACCESSIBLE CEILING SPACE.
- ⑪ PROVIDE 1"C AV STUB INTO CEILING SPACE WITH RG6 TO IDF ROOM.
- ⑫ PROVIDE (2) CAT 6 IN CEILING TO IDF ROOM.
- ⑬ SAME AS NOTE 12 EXCEPT (1) CAT 6.
- ⑭ PROVIDE (1) HDMI & (1) VGA OPPOSITE WALL FROM ENO BOARD.

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CLASSROOM BUILDING SECOND FLOOR SIGNAL PLAN 1

1/8" = 1'-0"

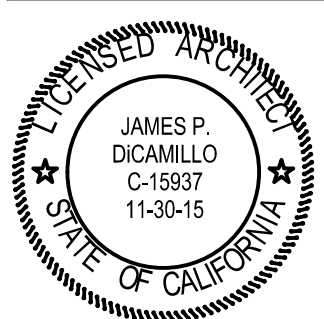
LEGEND:

- ② DATA OUTLET BOX, +18" OR AS NOTED, 1" CONDUIT STUB TO CEILING SPACE, W/ CAT 6 TO IDF ROOM, INDICATE NUMBER OF OUTLET & CABLES.
- W TELEPHONE OUTLET, WALL MTD, +54" AFF W/1" C. STUB TO CEILING SPACE WITH CAT 6 CABLE TO IDF ROOM
- ▽ COMBINATION VOICE/DATA OUTLET, +18" OR AS NOTED, 1 1/2" CONDUIT STUB TO CEILING SPACE, W/ VGA & HDMI CABLES TO IDF ROOM.
- PVM PVM-220 INSTALLED IN T-BAR CEILING W/ 120 VOLT. PROVIDE CABLES PER SPEC 11 00 00.
- Ⓢ SECURITY DOOR ALARM SWITCH. PROVIDE CABLES 5#22 AWG OVERALL SHIELD CMR.
- Ⓢ SECURITY CEILING MOUNTED MOTION DETECTOR 360°. PROVIDE CABLES 5#22 AWG OVERALL SHIELD CMR
- Ⓢ AUDIO/VISUAL SPEAKER AND CABLES PER SPEC 11 00 00.
- Ⓢ WALL CLOCK, PROVIDE CAT 6.
- Ⓢ EMERGENCY PA CALL BUTTON, +48"A.F.F. PROVIDE CABLES UTP #24.
- Ⓢ TV OUTLET IN 5" SQ BOX AND I-GANG RING. PROVIDE HDMI CABLES.
- Ⓢ TELEPHONE BACKBOARD W/ 1#6 GROUND WIRE TO NEAREST ELECTRICAL PANEL GROUND LUG.
- Ⓢ SPEAKER/BACKBOX, CEILING MOUNT AND CABLES PER SPEC 11 00 00.

SIGNAL PLAN KEY NOTES:

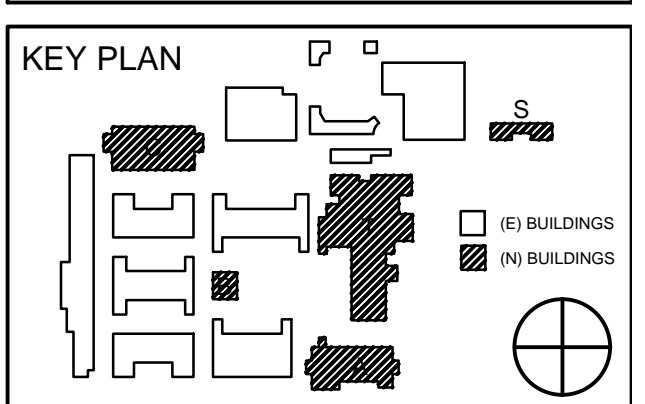
- ① CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE AS FOLLOWS:
 - (1) 4"C. (DATA), REFER TO SHEET E1.2 FOR LV CABLES.
 - (1) 2"C. (TELEPHONE), REFER TO SHEET E1.2 FOR LV CABLES.
 - (1) 2"C. (CLOCK/SPEAKER), REFER TO SHEET E1.2 FOR LV CABLES.
 - (1) 2"C. (INTRUSION DETECTION), REFER TO SHEET E1.2 FOR LV CABLES.
 - (1) 2"C. (FIRE ALARM), REFER TO SHEET E1.2 FOR LV CABLES.
 - (1) 2"C. (SPARE)
- ② (4) 3"C. SLEEVES TO IDF ROOM ABOVE.
- ③ 3/4"C.O. STUB INTO NEAREST ACCESSIBLE CEILING SPACE. PROVIDE CAT 6E TO IDF ROOM
- ④ CONNECT TO IDF CABINET.
- ⑤ CABLE TRAY ABOVE ACCESSIBLE CEILING, TYPICAL.
- ⑥ 1 1/2"C STUB IN CEILING SPACE, PROVIDE (1) HDMI & (1) VGA TO IDF ROOM.
- ⑦ FOR AV DRAWINGS INSTALLATION DIAGRAM, DETAIL AND REQUIREMENTS REFER TO SPEC SECTION 11 00 00.
- ⑧ 1 1/2"C STUB IN CEILING SPACE, PROVIDE (2) HDMI & (1) VGA TO IDF ROOM.
- ⑨ TEACHING WALL WITH SMART (ENO) BOARD.
- ⑩ SINGLE GANG MUD RING FOR LV INTO WALL VAULT 8.45" FROM CENTER OF TEACHING WALL 8"-2.75" FROM FINISHED FLOOR. PROVIDE 1 3/4"C STUBBED INTO ACCESSIBLE CEILING SPACE.
- ⑪ PROVIDE 1"C AV STUB INTO CEILING SPACE WITH RG6 TO IDF ROOM.
- ⑫ PROVIDE (2) CAT 6 IN CEILING TO IDF ROOM.
- ⑬ SAME AS NOTE 12 EXCEPT (1) CAT 6.
- ⑭ PROVIDE (1) HDMI & (1) VGA OPPOSITE WALL FROM ENO BOARD.

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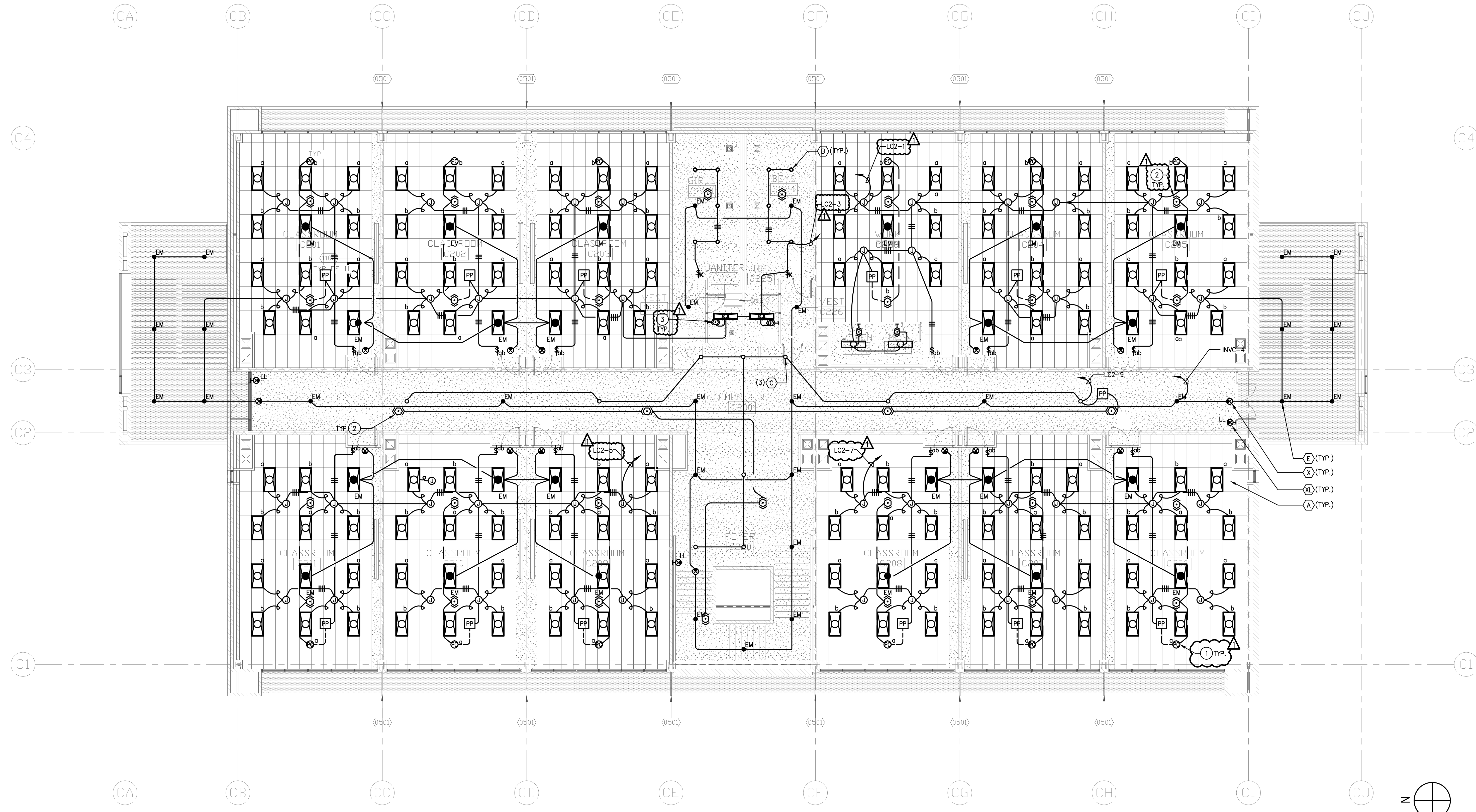


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**CLASSROOM BUILDING
2ND FLOOR SIGNAL
PLAN**

DRAWING NUMBER: **EC2.4**

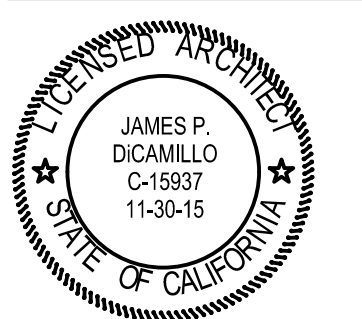


CLASSROOM BUILDING SECOND FLOOR LIGHTING PLAN 1
1/8" = 1'-0"

PLAN NOTES:

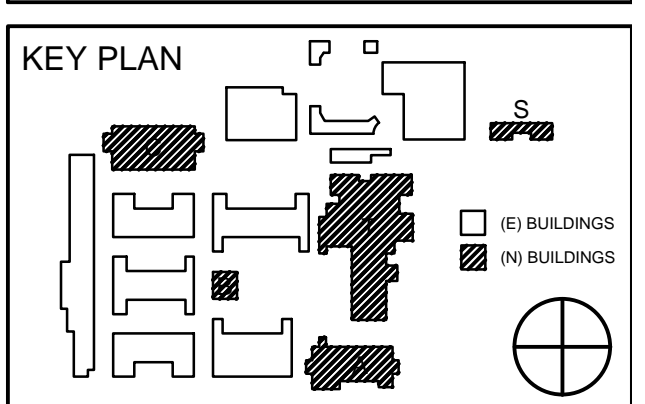
- 1 PROVIDE PHOTOCELL CONTROL. LOCATE ON ROOF. VERIFY IN FIELD.
- 2 PROVIDE CEILING MOUNTED OCCUPANCY SENSOR WITH 2000 SQ.FT. 360° COVERAGE HUBBELL # 0MINDT2000BP127TV. PROVIDE POWER PACKS AS REQUIRED. FIELD VERIFY EXACT LOCATION AND ORIENTATION FOR COMPLETE COVERAGE AND OPERATION.
- 3 PROVIDE MANUAL "ON" MULTI-TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR WITH DUAL CIRCUIT SWITCHING HUBBELL #JHMTD2-W WITH WHITE FINISH.

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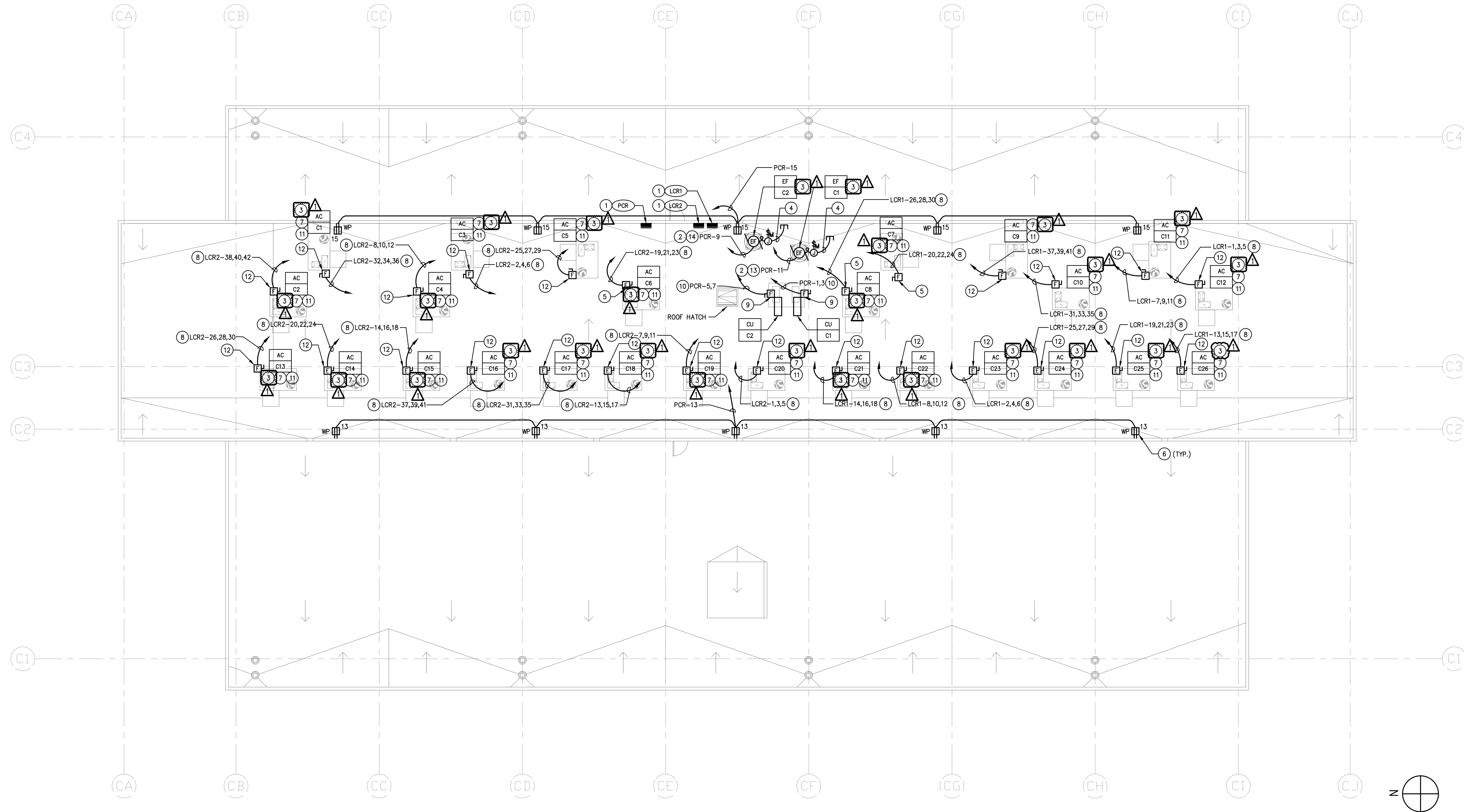


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**CLASSROOM BUILDING
SECOND FLOOR
LIGHTING PLAN**

DRAWING NUMBER: **EC3.2**



CLASSROOM BUILDING ROOF ELECTRICAL PLAN 1
1/8" = 1'-0"

PLAN NOTES:

- 1 REFER TO SINGLE LINE DIAGRAM SHEET ES.3 FOR FEEDER REQUIREMENTS.
- 2 ROUTE CIRCUIT THROUGH SWITCHPACK CONTROLLED BY RESPECTIVE ROOM'S OCCUPANCY SENSOR. REFER TO RESPECTIVE LIGHTING PLAN.
- 3 MONITORED BY EMS. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL AND PROVIDE AS REQUIRED.
- 4 PROVIDE 3/4" C. STUBBED INTO ACCESSIBLE CEILING SPACE FOR EMS CONTROLS. VERIFY EXACT REQUIREMENTS WITH MECHANICAL.
- 5 PROVIDE 30AS/15AF, 3P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (600V)
- 6 PROVIDE WEATHERPROOF GFI RECEPTACLE WITHIN 25 FEET OF MECHANICAL EQUIPMENT.
- 7 CONTROLLED BY LINE VOLTAGE THERMOSTAT. COORDINATE THERMOSTAT LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL.
- 8 3/4" C. - 3#12, 1#12 GROUND.

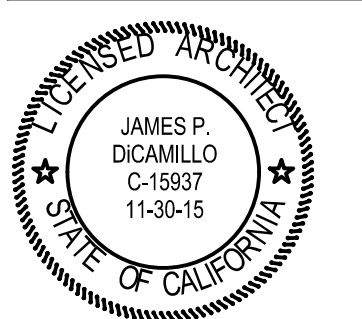
- 9 PROVIDE 30AS/25AF, 2P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (240V)
- 10 3/4" C. - 2#10, 1#10 GROUND.
- 11 VFD PROVIDED BY MECHANICAL CONTRACTOR. CONDUIT, CONDUCTORS & CONNECTIONS PROVIDED BY ELECTRICAL CONTRACTOR.
- 12 PROVIDE 30AS/20AF, 3P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (600V)
- 13 EF-C1 SERVING 3 ROOMS (C122, C123 & C124).
- 14 EF-C2 SERVING 3 ROOMS (C222, C223 & C224)

GENERAL ROOF NOTES

- 1. ALL MULTI-WIRE BRANCH CIRCUITS AND HOME RUNS SHALL MEET NEC ARTICLE 210.4.
- 2. PROVIDE 4" MIN SLEEPERS TO SUPPORT CONDUITS FOR ALL EXPOSED CONDUIT RUNS ON ROOF.
- 3. ALL ELECTRICAL EQUIPMENT MOUNTED ON THE ROOF SHALL BE WEATHERPROOF (NEMA-3R).
- 4. VERIFY EXACT LOCATION OF HVAC AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING PLANS.
- 5. PROVIDE FUSE PER NAMEPLATE RATING IF DIFFERENT FROM FUSE SIZE INDICATED. COMPLY WITH CODE.

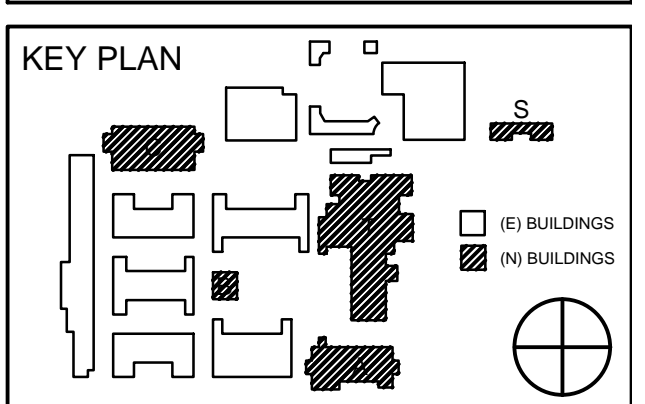
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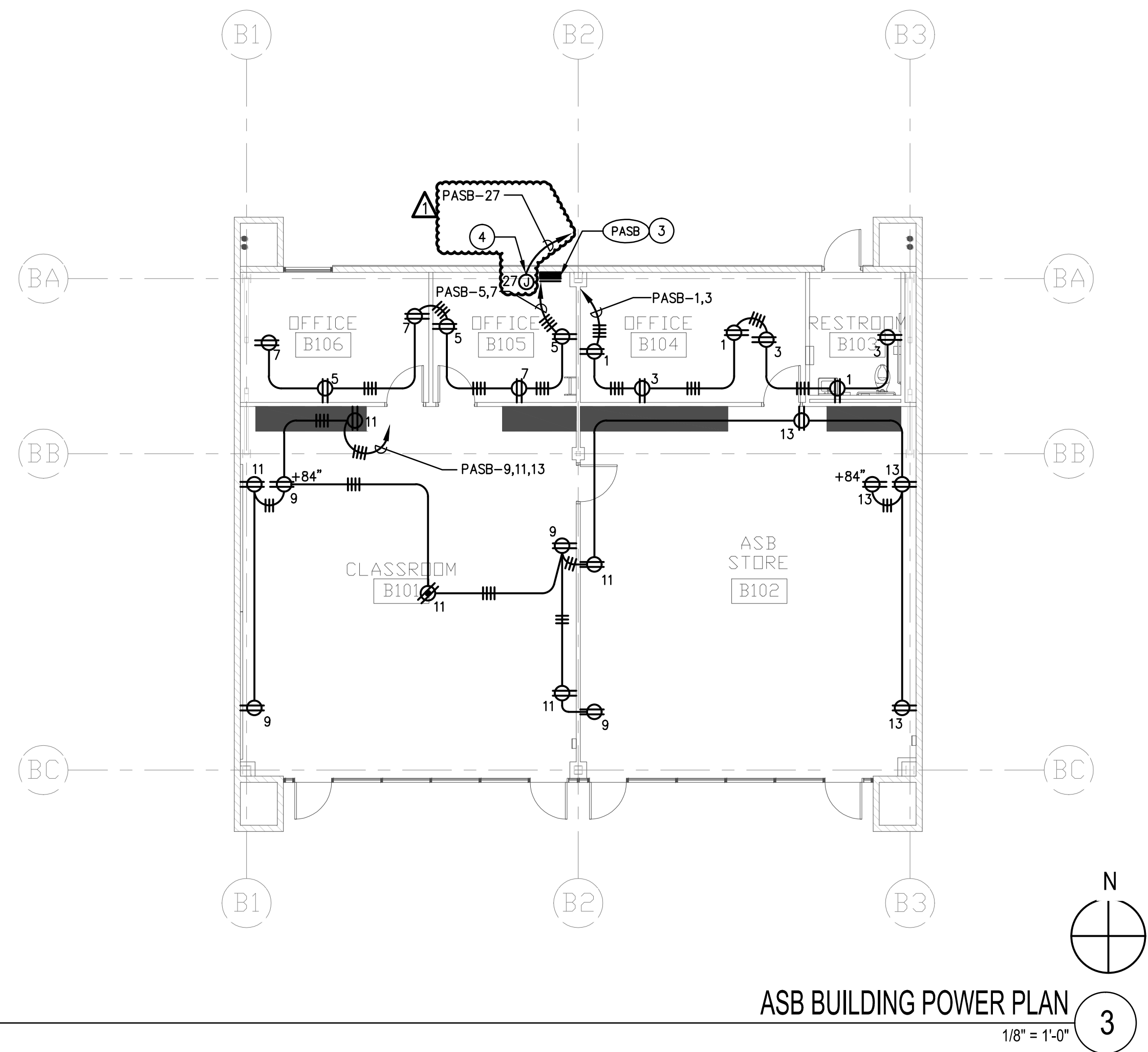


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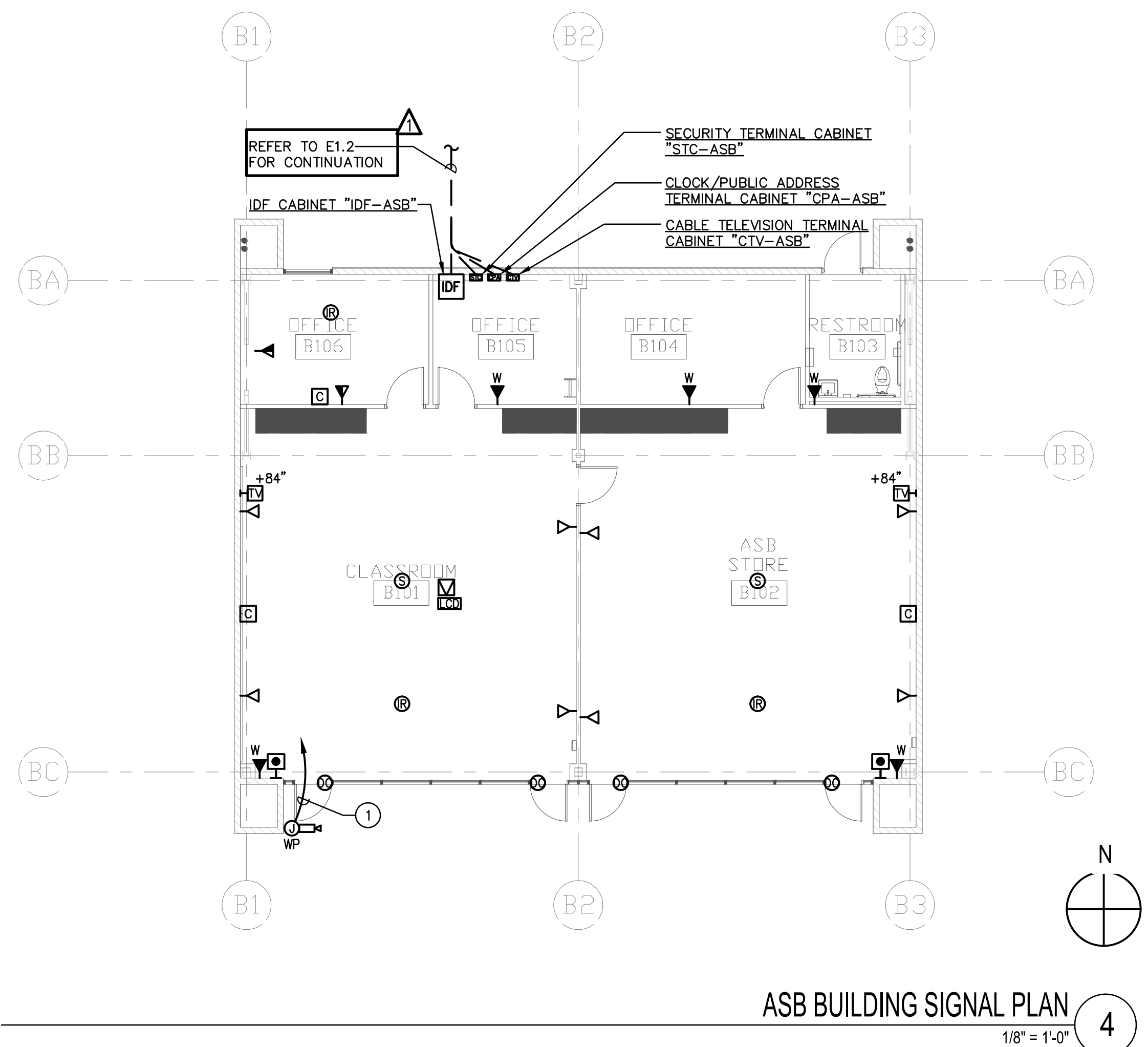
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**CLASSROOM BUILDING
ROOF ELECTRICAL
PLAN**

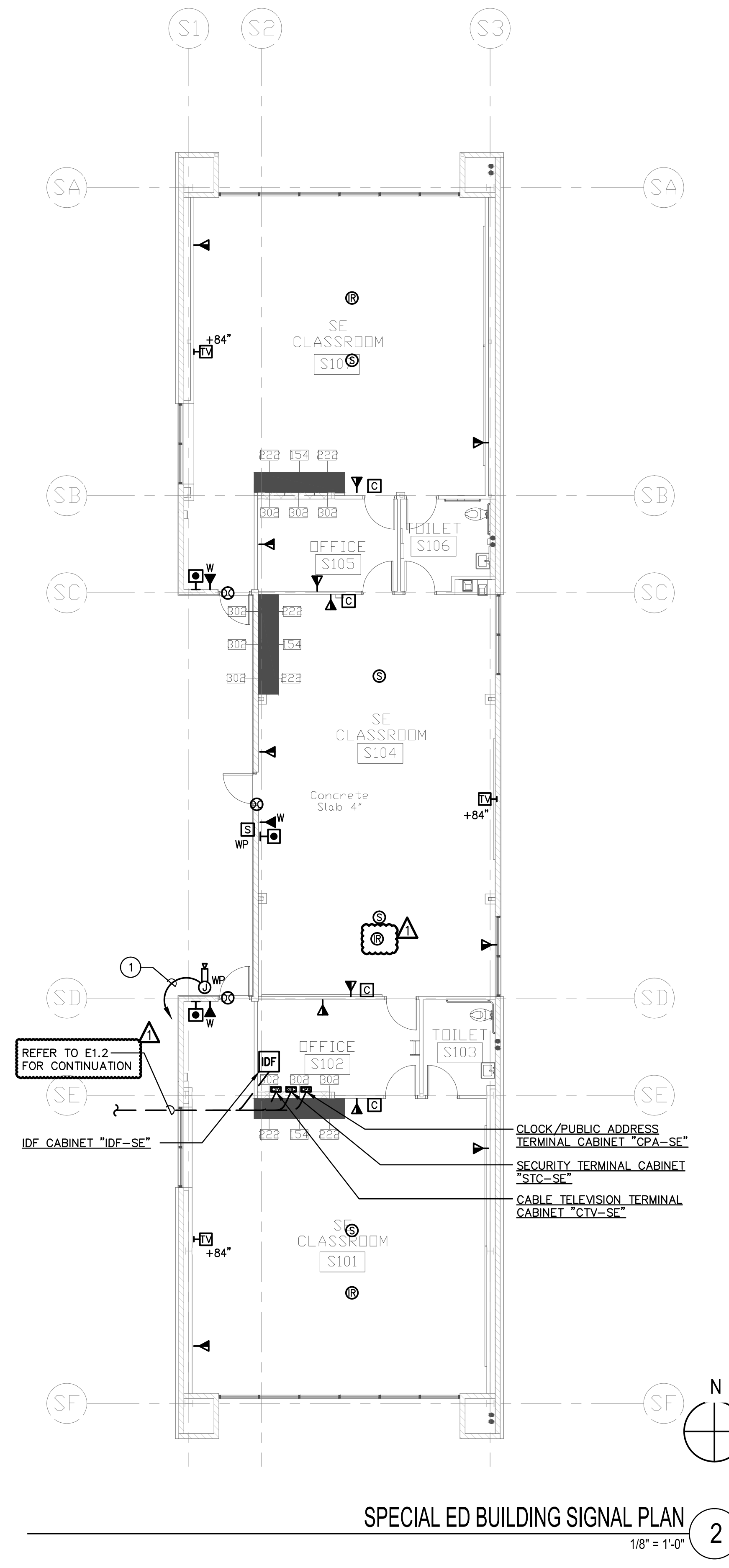
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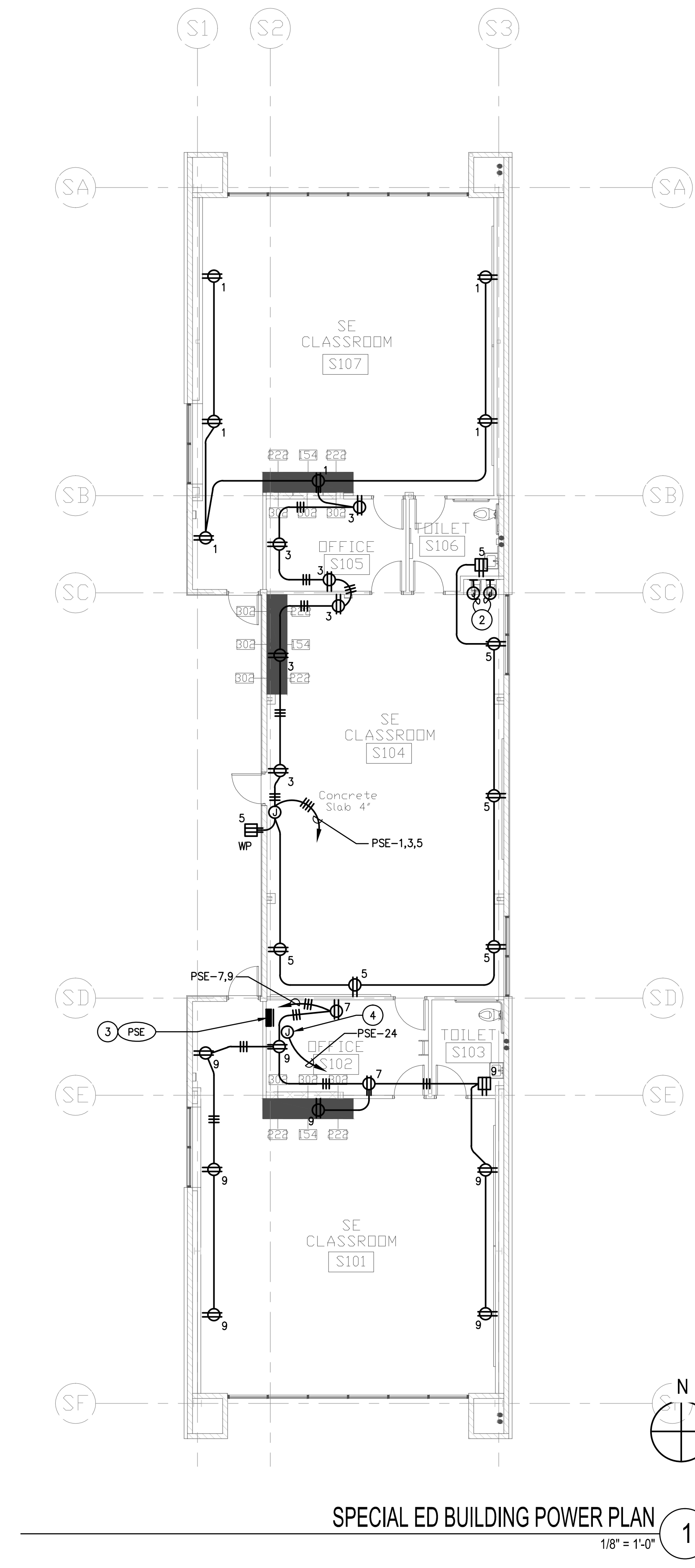
ASB BUILDING POWER PLAN 3
1/8" = 1'-0"



ASB BUILDING SIGNAL PLAN 4
1/8" = 1'-0"



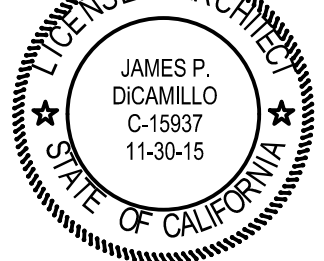
SPECIAL ED BUILDING SIGNAL PLAN 2
1/8" = 1'-0"



SPECIAL ED BUILDING POWER PLAN 1
1/8" = 1'-0"

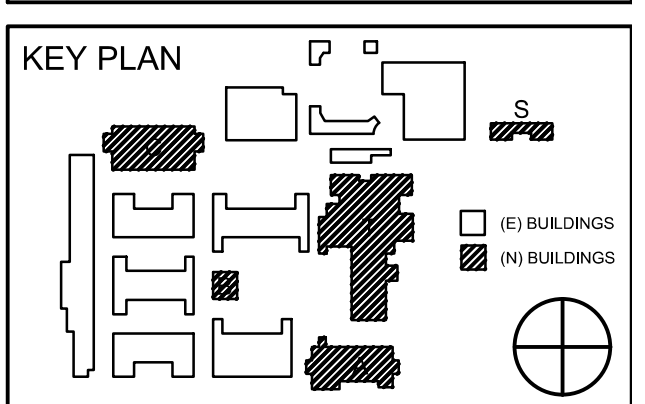
- ASB 2 SPECIAL ED PLAN NOTES:**
- 1) 3/4" C.O. TO STC AT IDF ROOM.
 - 2) CONNECT AS REQUIRED TO DRINKING FOUNTAIN. VERIFY EXACT REQUIREMENTS WITH PLUMBING.
 - 3) FOR FEEDER SIZE REFER TO SLD SHEET ES.1.
 - 4) POWER FOR "VLC", REFER TO CONTROL DISCONNECT ON M6.1

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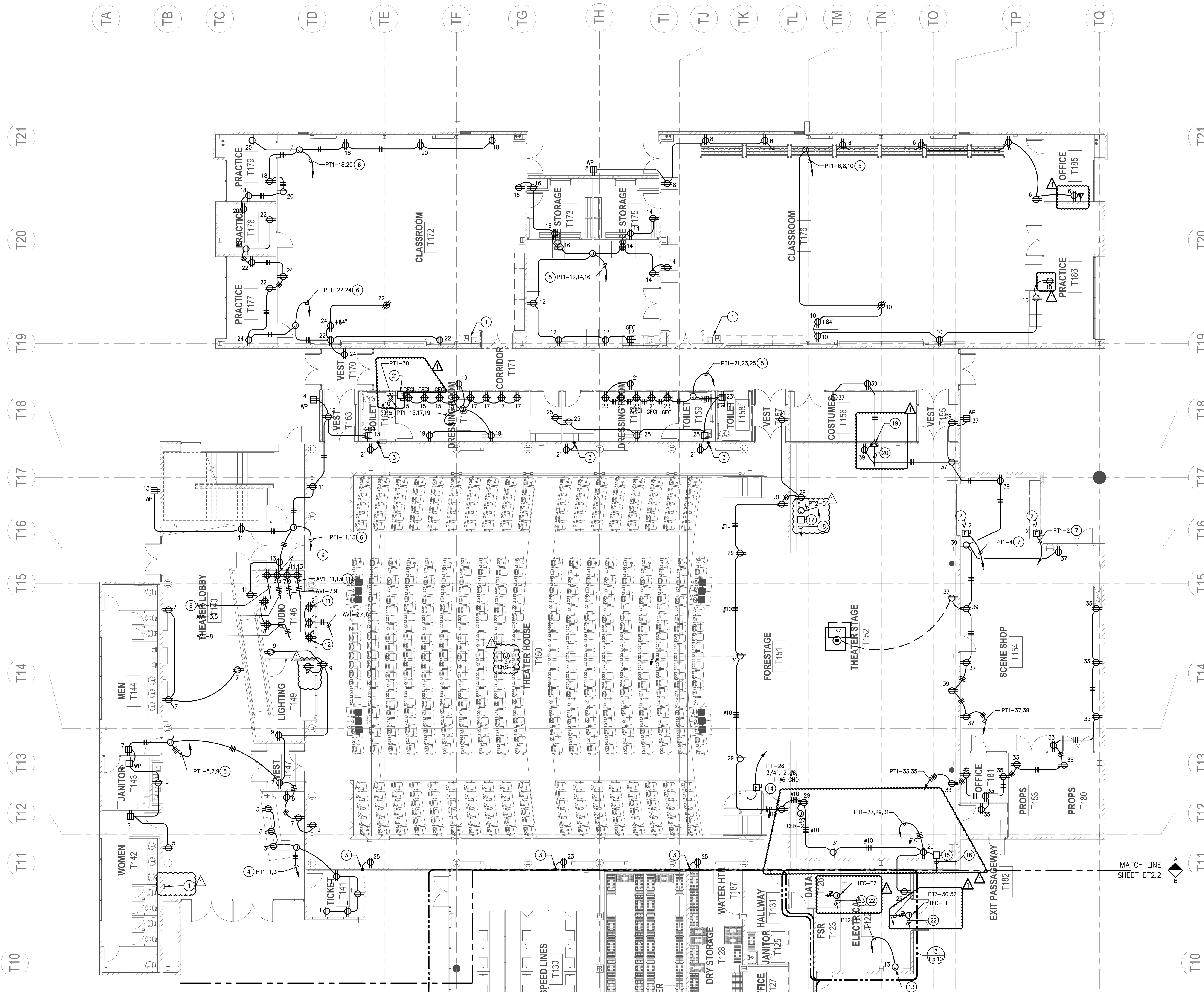
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ASB & SPECIAL ED BUILDINGS POWER & SIGNAL PLANS

DRAWING NUMBER: **ES2.1**

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THEATER BUILDING FIRST FLOOR PARTIAL POWER PLAN 1
1/8" = 1'-0"

- PLAN NOTES:**
- 1 DRINKING FOUNTAIN NON ELECTRIC.
 - 2 CONNECT AS REQUIRED TO 1/2 HP, 120V MOTORIZED DOOR. PROVIDE ALL JUNCTION BOXES, CONDUIT, CONDUCTORS & CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - 3 UP TO UPPER FLOOR ET2.3.
 - 4 3/4"C, 3#10.
 - 5 3/4"C, 4#10.
 - 6 3/4"C, 3#8.
 - 7 3/4"C, 2#10.
 - 8 POWER FOR RACK 1 & 2 (1 X 16A OKT.)
 - 9 POWER FOR RACK 3 (4 X 16A OKT.)
 - 10 POWER FOR RACK 4 (2 X 16A OKT.) (NOT USED)
 - 11 POWER FOR RACK 5 (1 X 16A OKT.)
 - 12 POWER FOR RACK 5 (1 X 16A OKT.)
 - 13 POWER FOR "VLC", REFER TO CONTROL DIAGRAM ON SHEET M6.1
 - 14 30AS, 20AF, 1P LOCKABLE DISCONNECT SWITCH (240V) CONNECT TO WHEEL CHAIR LIFT MOTOR. PROVIDE PUSH BUTTON CONTROL PER CHAIR LIFT VENDOR REQUIREMENT (240V).
 - 15 30A, 3P NON FUSED DISC. SWITCH (480V), CONNECT TO RIGGING CONTROL CABINET.
 - 16 HOMERUN TO "DSBT"-11, SEE SHEET E5.2 DETAIL 1.
 - 17 30A, 3P NON FUSED DISC. SWITCH (480V), CONNECT TO FIRE CURTAIN WINCH.
 - 18 HOMERUN TO "DSBT"-12, SEE SHEET E5.2 DETAIL 1.
 - 19 COMPANY SWITCH 400A, 3P NON FUSED DISC. SWITCH (240V).
 - 20 HOMERUN TO "DBT"-3, SEE SHEET E5.2 DETAIL 1.
 - 21 NON FUSED DISCONNECT SWITCH 30AS/1P (240V), CONNECT TO EWH-1T.
 - 22 CONNECT TO OUTDOOR UNIT ON ROOF.
 - 23 POWERED FROM OUTDOOR UNIT.

- GENERAL PLAN NOTES:**
1. REFER TO AUDIO EQUIPMENT CONSULTANT (AV) DRAWINGS FOR ADDITIONAL ELECTRICAL WORK NOT SHOWN ON POWER PLANS.
 2. REFER TO THEATRICAL EQUIPMENT CONSULTANT (T'S/TR'S) DRAWINGS FOR ADDITIONAL ELECTRICAL WORK NOT SHOWN ON POWER PLANS.



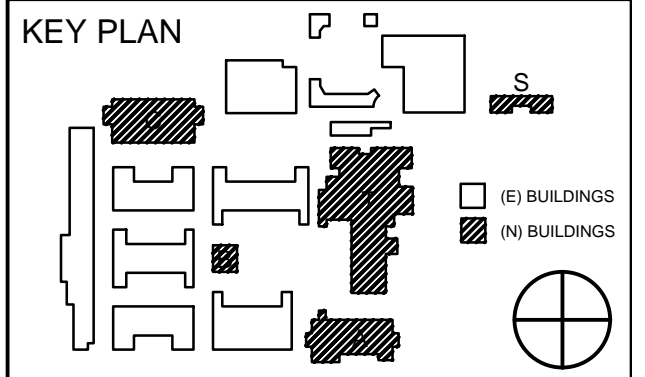
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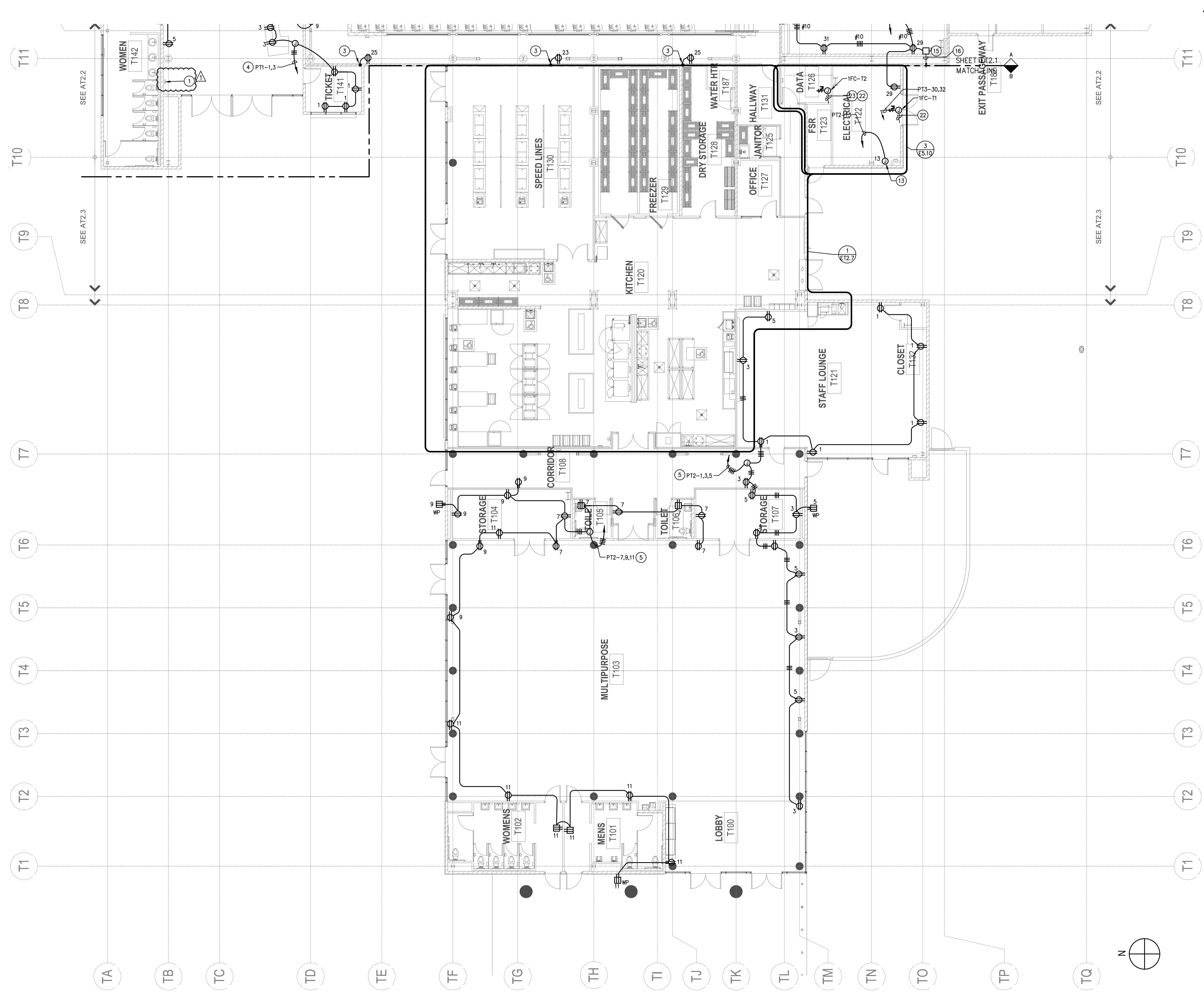
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**THEATER BUILDING
 FIRST FLOOR PARTIAL
 POWER PLAN**

DRAWING NUMBER: **ET2.1**

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PLAN NOTES
1. PLAN NOTES, REFER TO SHEET ET2.2

THEATER BUILDING FIRST FLOOR PARTIAL POWER PLAN
1/8" = 1'-0" 1

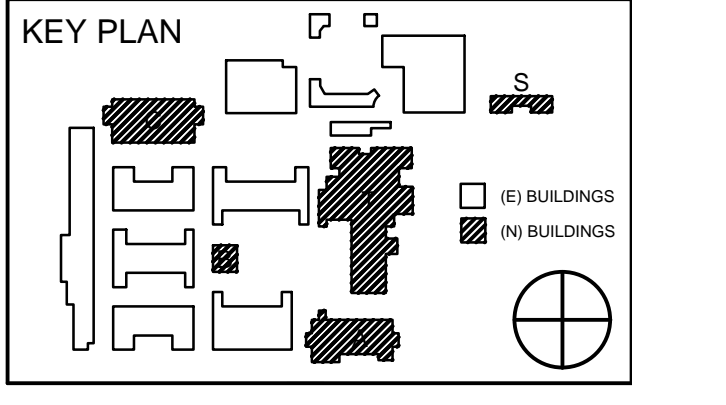
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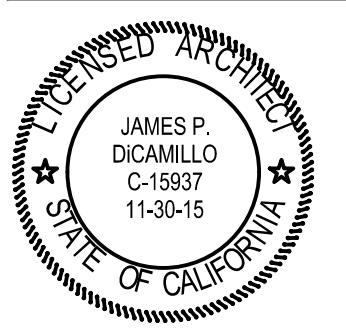
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**THEATER BUILDING
FIRST FLOOR PARTIAL
POWER PLAN**

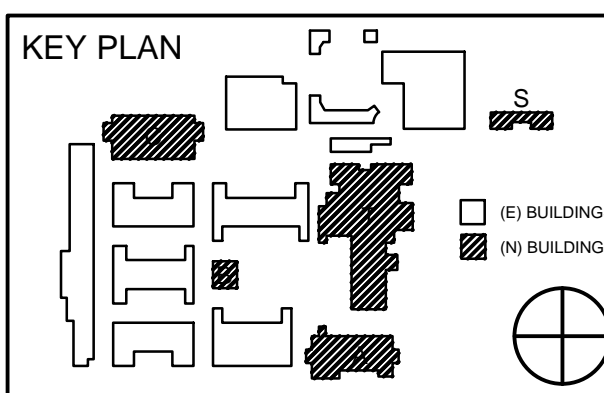
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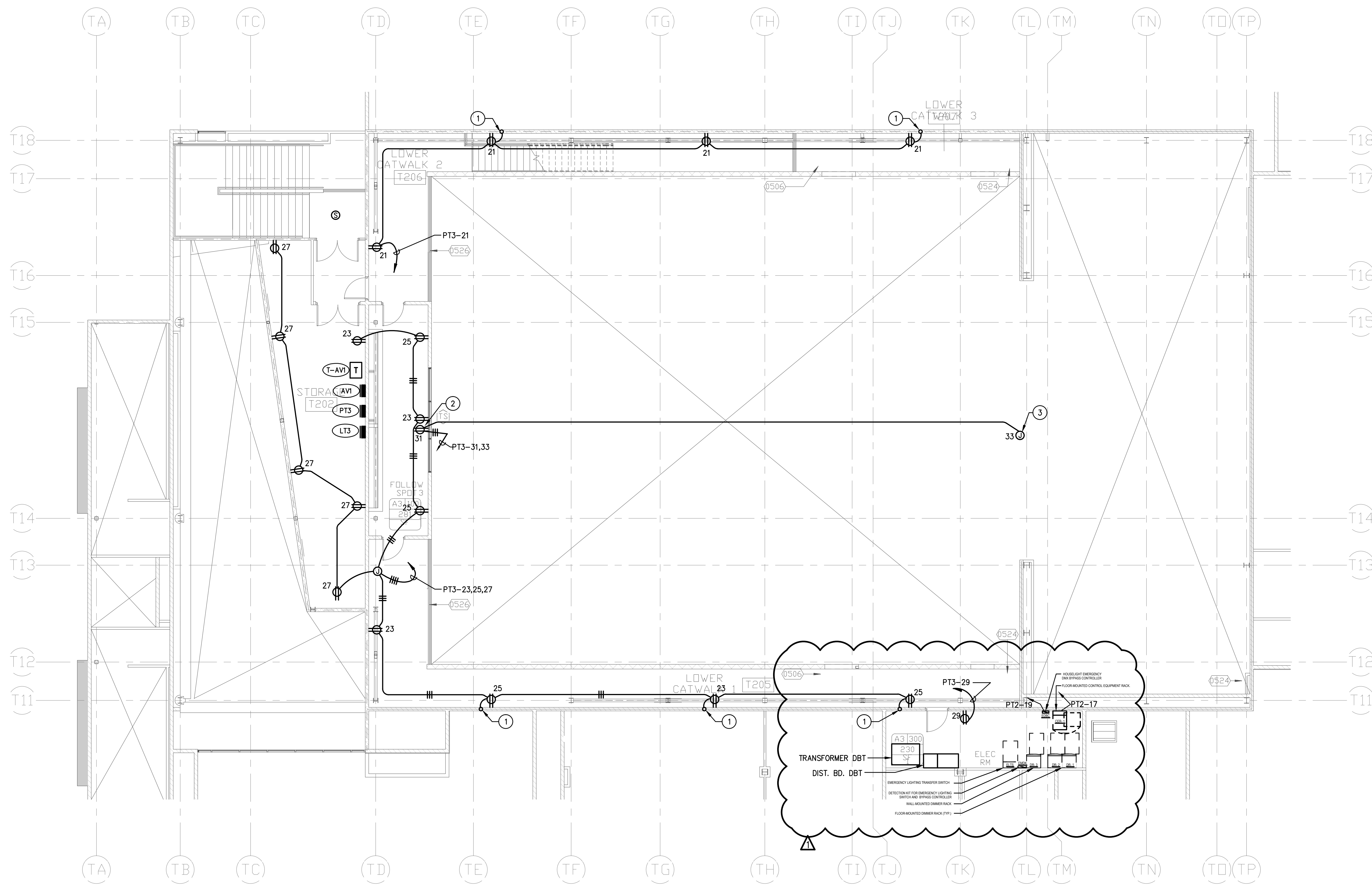


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**THEATER BUILDING
SECOND FLOOR
POWER PLAN**

DRAWING NUMBER: **ET2.3**



GENERAL PLAN NOTES:

- REFER TO AUDIO EQUIPMENT CONSULTANT (AV) DRAWINGS FOR ADDITIONAL ELECTRICAL WORK NOT SHOWN ON POWER PLANS.
- REFER TO THEATRICAL EQUIPMENT CONSULTANT (TRK) DRAWINGS FOR ADDITIONAL ELECTRICAL WORK NOT SHOWN ON POWER PLANS.

PLAN NOTES:

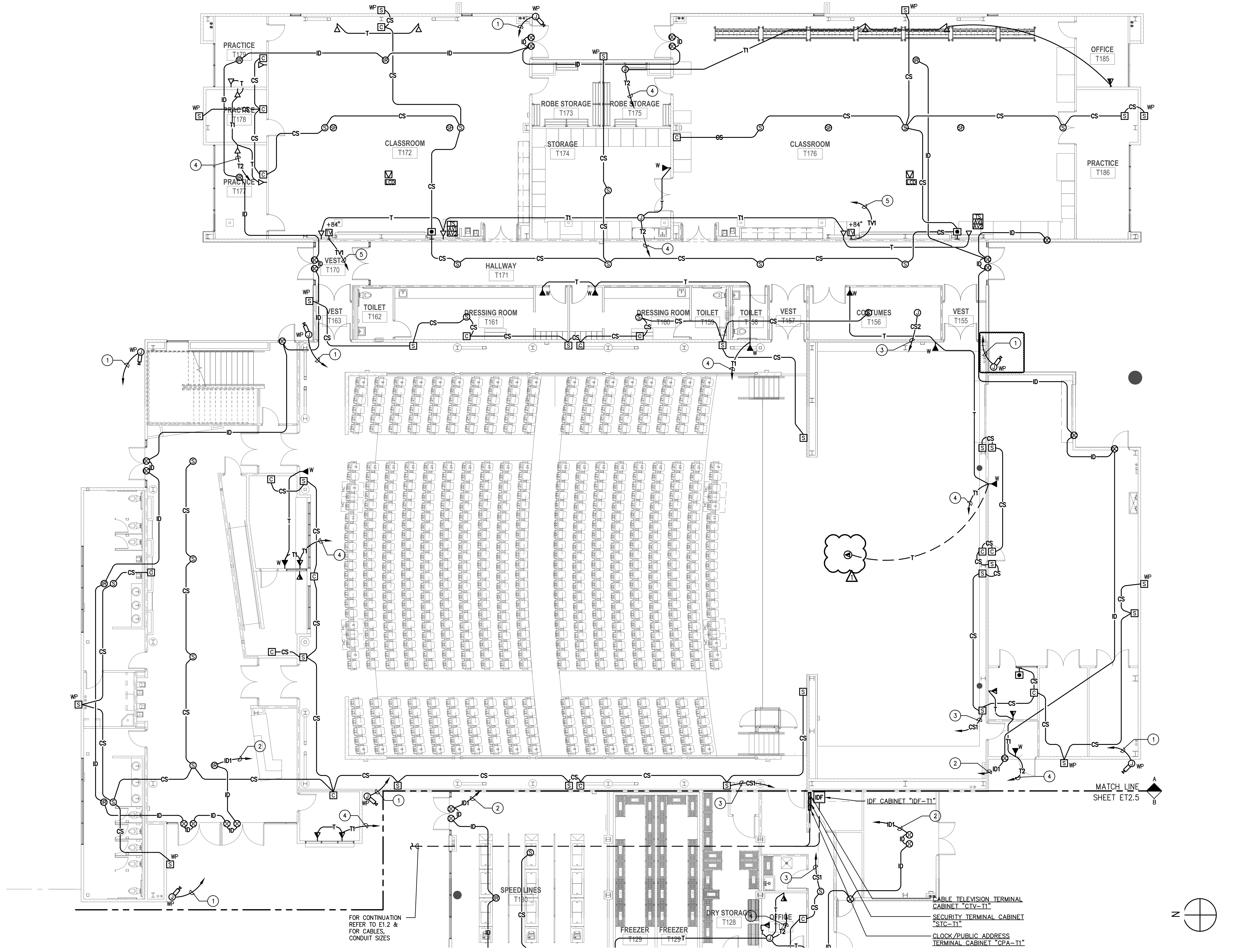
- DOWN TO FIRST FLOOR, SEE ET2.1 FOR CONDUIT CONTINUATION.
- VIDEO PROJECTOR, VERIFY EXACT LOCATION WITH AV CONSULTANT.
- PROJECTOR SCREEN, VERIFY EXACT LOCATION WITH AV CONSULTANT.

THEATER BUILDING SECOND FLOOR POWER PLAN 1 1/8" = 1'-0"

ROWLAND HIGH SCHOOL ADDITION

ROWLAND UNIFIED SCHOOL DISTRICT

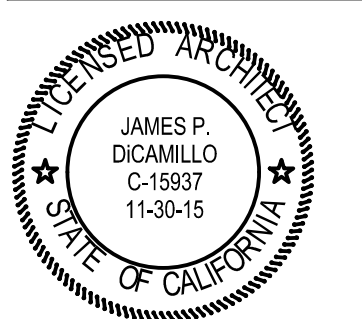
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THEATER BUILDING FIRST FLOOR PARTIAL SIGNAL PLAN 1
1/8" = 1'-0"

PLAN NOTES:

- ① 3/4" c.o. to "STC-T1" IN DATA ROOM T126.
- ② TO "STC-T1" IN DATA ROOM T126.
- ③ TO "CPA-T1" IN DATA ROOM T126.
- ④ TO "IDF-T1" IN DATA ROOM T126.
- ⑤ TO "CTV-T1" IN DATA ROOM T126.



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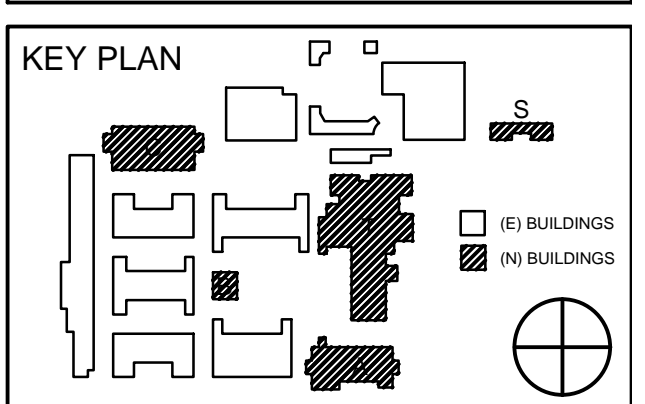
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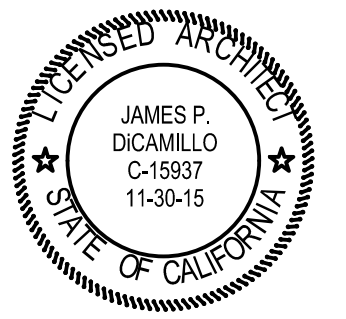
**THEATER BUILDING
FIRST FLOOR PARTIAL
SIGNAL PLAN**

DRAWING NUMBER: **ET2.4**

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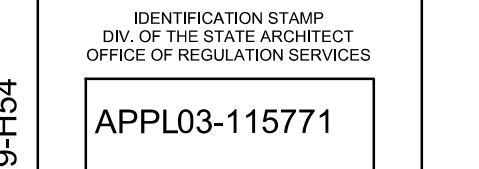
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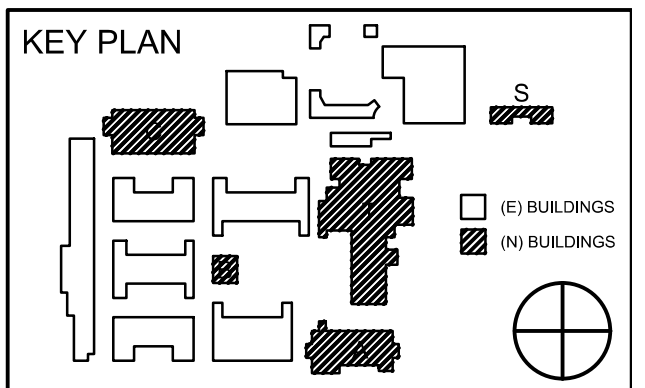
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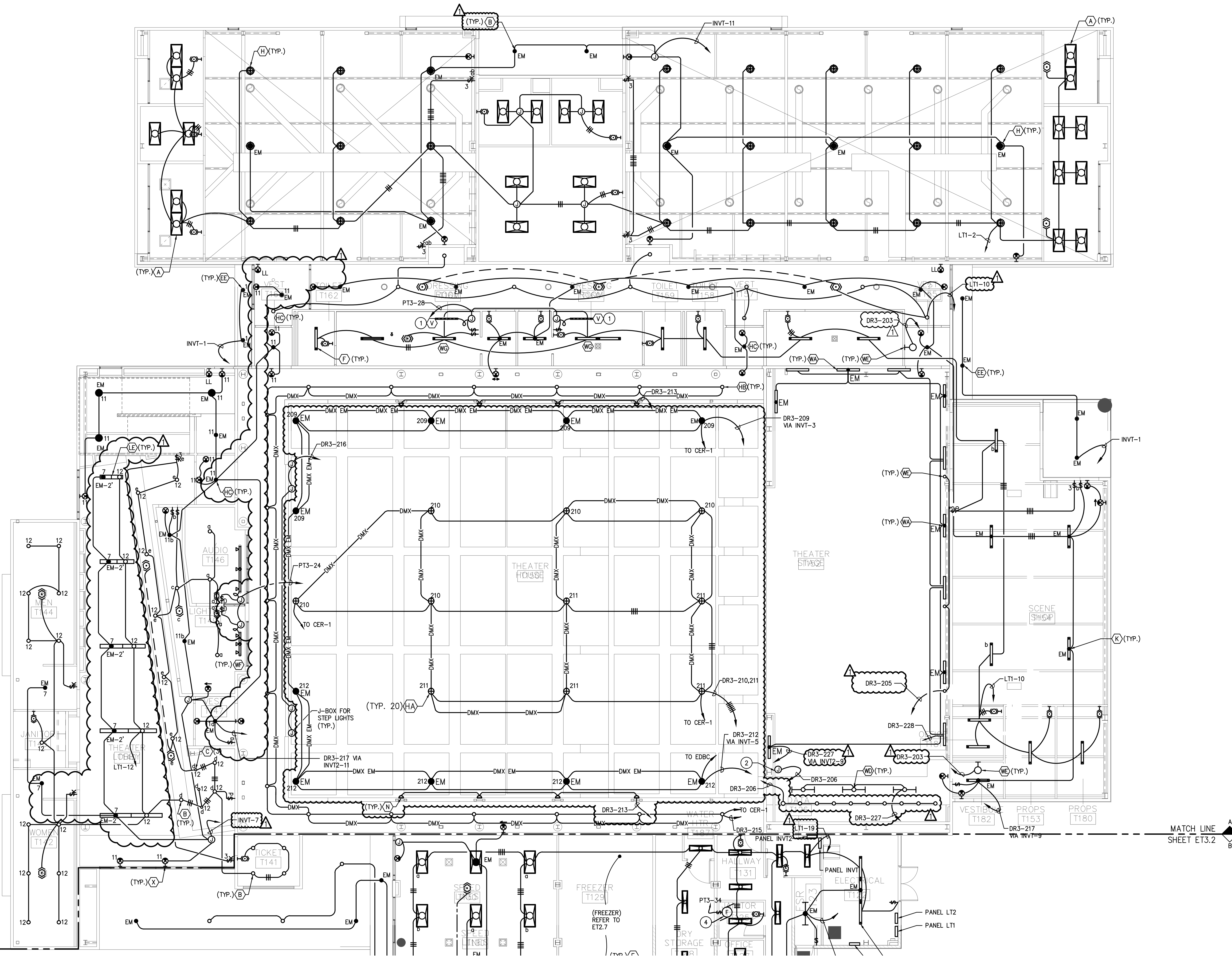


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**THEATER BUILDING
FIRST FLOOR PARTIAL
LIGHTING PLAN**

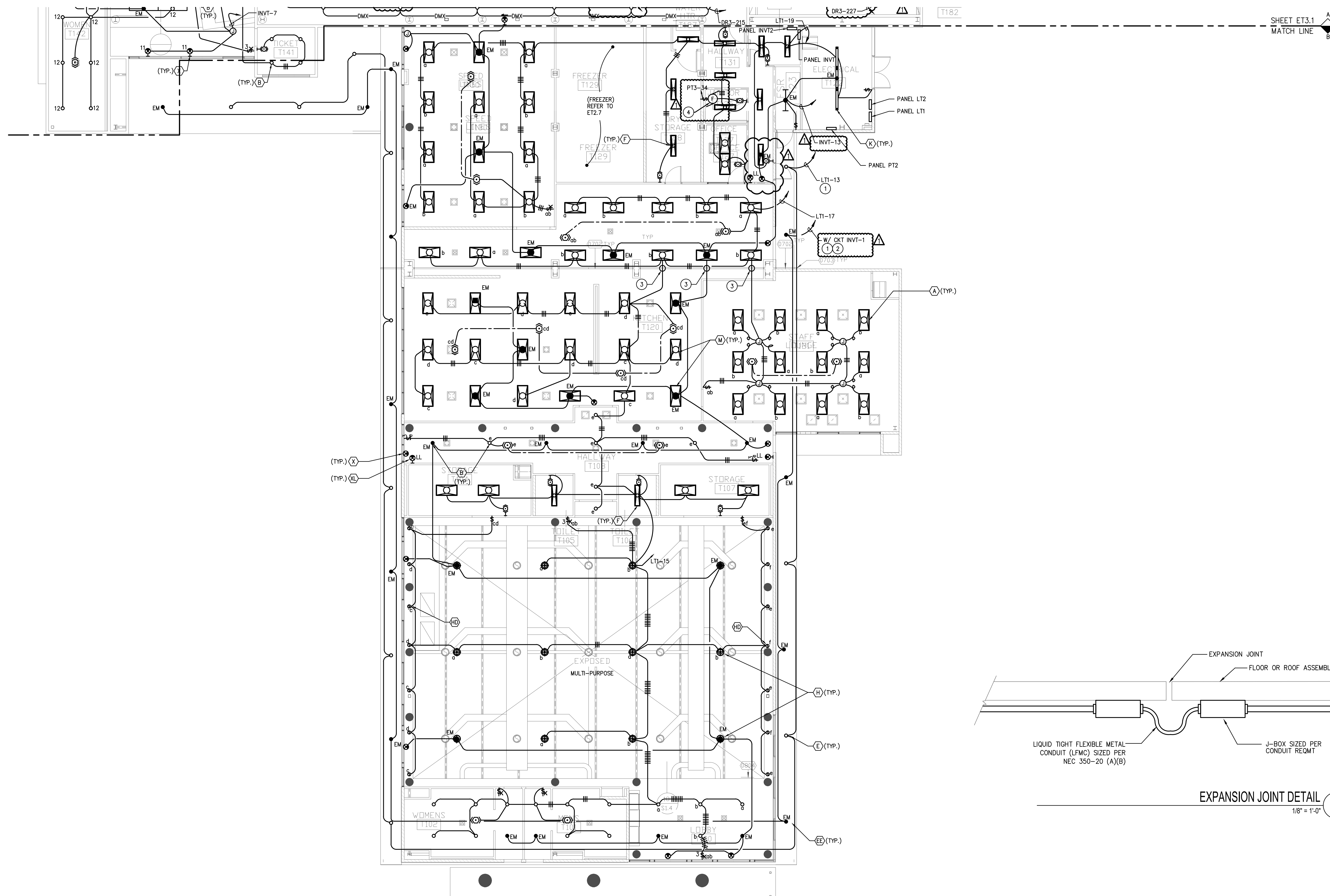
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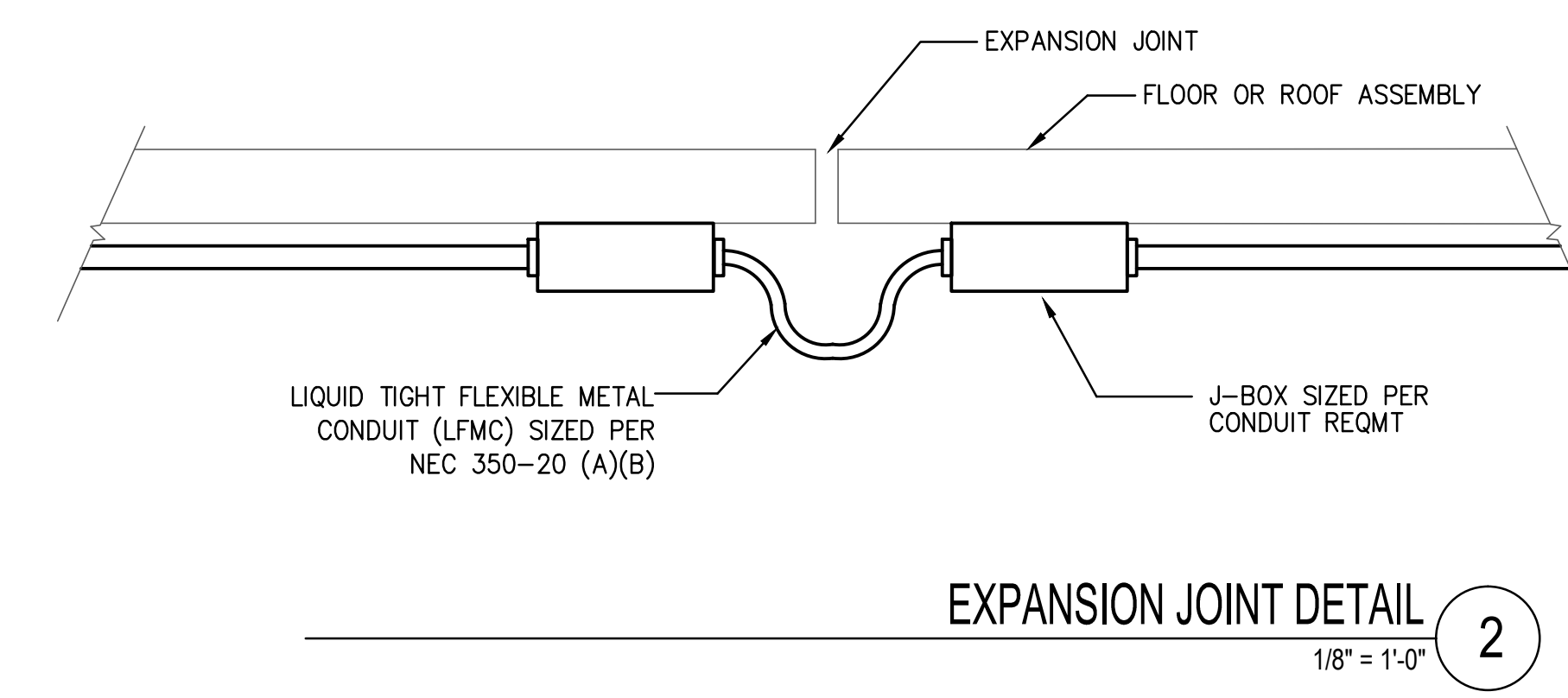
THEATER BUILDING FIRST FLOOR PARTIAL LIGHTING PLAN 1 1/8" = 1'-0"

PLAN NOTES:

- 1 CONNECT AS REQUIRED TO DRESSING ROOM MAKE-UP/ VANITY LIGHT FIXTURE ABOVE MIRROR.
- 2 CONNECT TO RIGGING INDEX LIGHT 120V.



SHEET ET3.1
MATCH LINE



THEATER BUILDING FIRST FLOOR PARTIAL LIGHTING PLAN 1
1/8" = 1'-0"

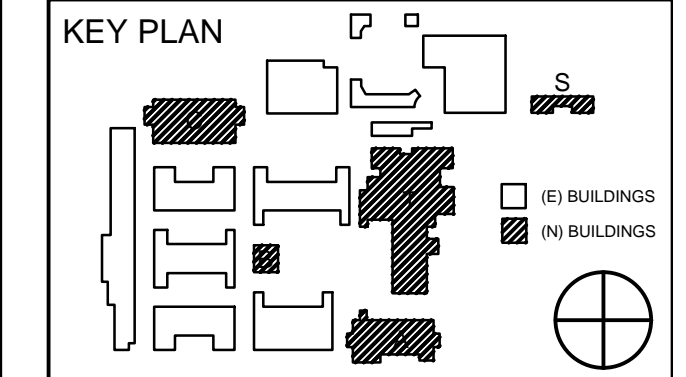
- PLAN NOTES:
- 1 THIS CIRCUIT RUNS THRU TIME CLOCK OFF AND PHOTO CELL ON. LOCATE PHOTO CELL ON ROOF. CONTRACTOR TO FIELD VERIFY.
 - 2 PROVIDE J-BOX ABOVE PANEL TO MERGE SAME CIRCUIT PRIOR TO TERMINATION.
 - 3 SEISMIC JOINT PER DETAIL 2/ET3.2
 - 4 EF-T1 PROVIDE 120V POWER PACK AND CONNECT TO LIGHTING OCCUPANCY SENSOR.

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	05/08/2014	90% CD PROGRESS
	05/29/2014	DSA SUBMITTAL
	04/08/2015	DSA BACK CHECK
1	08/15/2015	BIGBEN REVISION

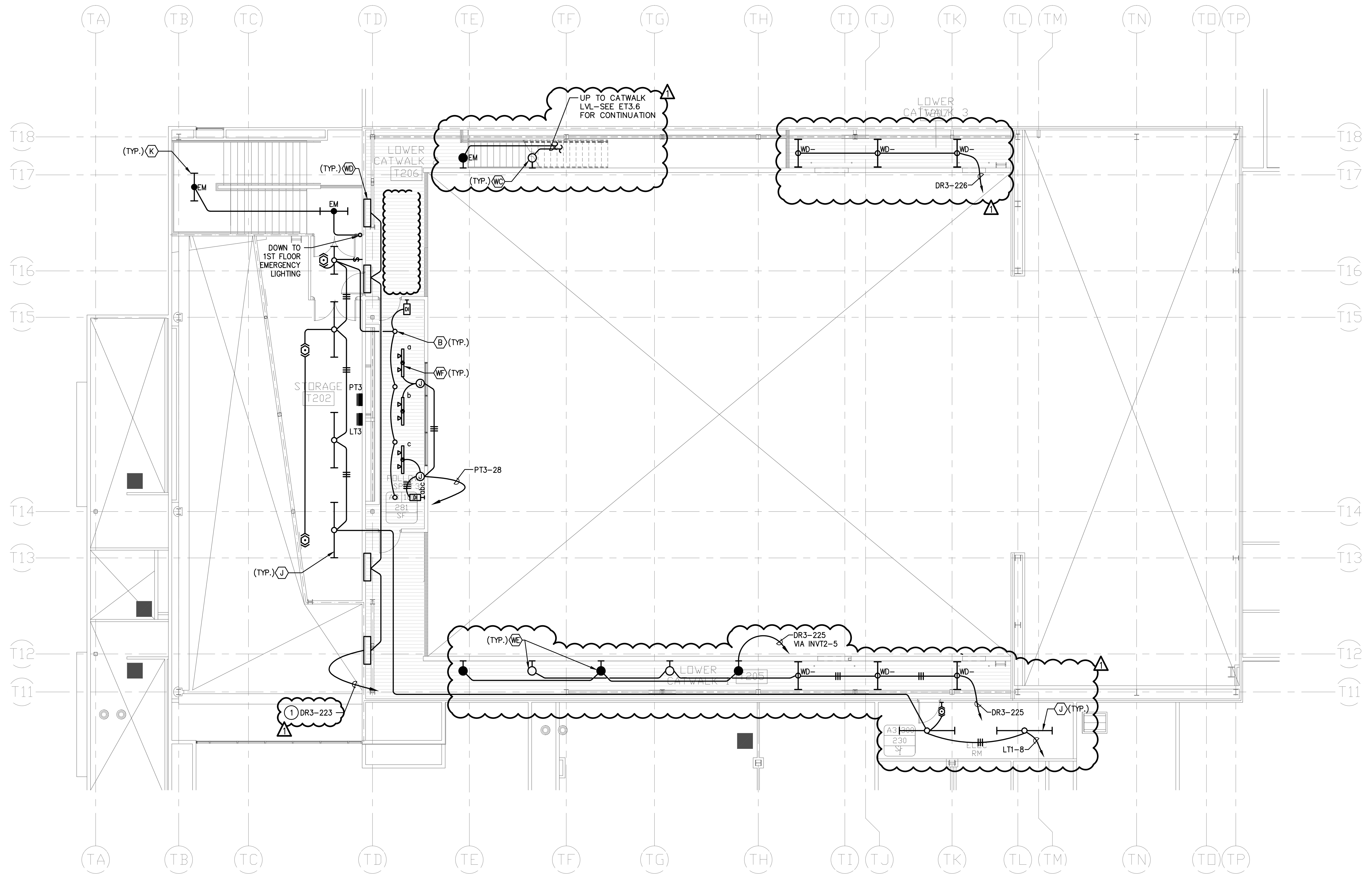
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**THEATER BUILDING
FIRST FLOOR PARTIAL
LIGHTING PLAN**

DRAWING NUMBER: **ET3.2**

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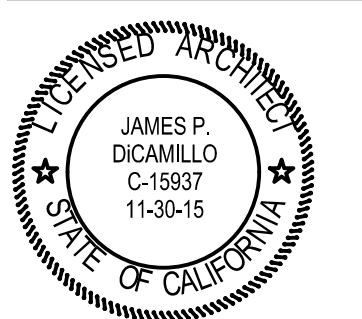
PLAN NOTES:
 ① SPlice J-BOX ABOVE PANEL BOARD TO MERGE SAME CIRCUIT.



THEATER BUILDING SECOND FLOOR LIGHTING PLAN ①
 1/8" = 1'-0"

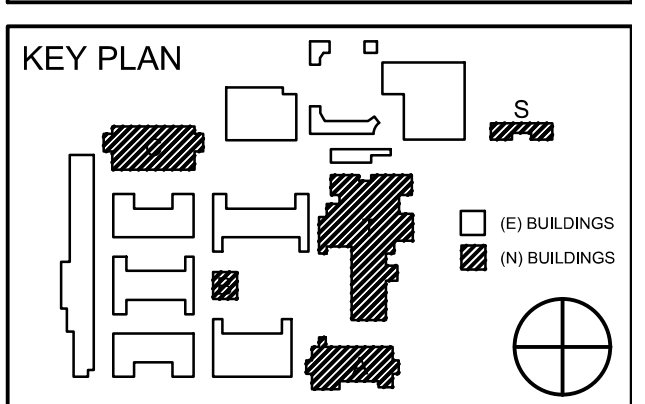
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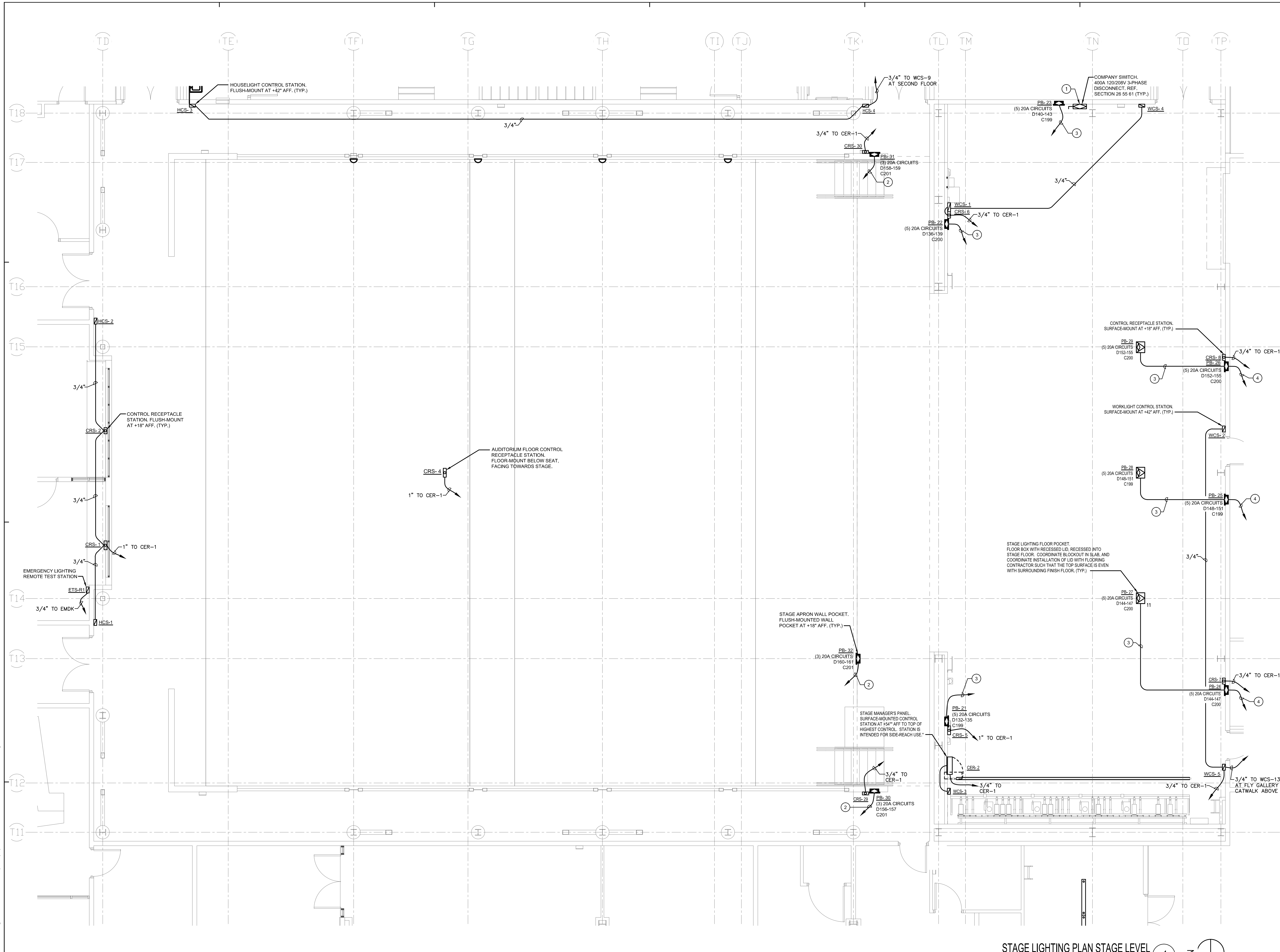


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05/29/2014	DSA SUBMITTAL	
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**THEATER BUILDING
 SECOND FLOOR
 LIGHTING PLAN**

DRAWING NUMBER: **ET3.3**



STAGE LIGHTING PLAN STAGE LEVEL 1
1/4" = 1'-0"

- PLAN NOTES:**
- 1 REFER TO SHEET E5.2 FOR FEEDER SIZE AND DISCONNECT SWITCH.
 - 2 3/4"C, 6 #12.
 - 3 3/4"C, 10 #12.
 - 4 (2) 3/4"C, 10 #12 EACH.

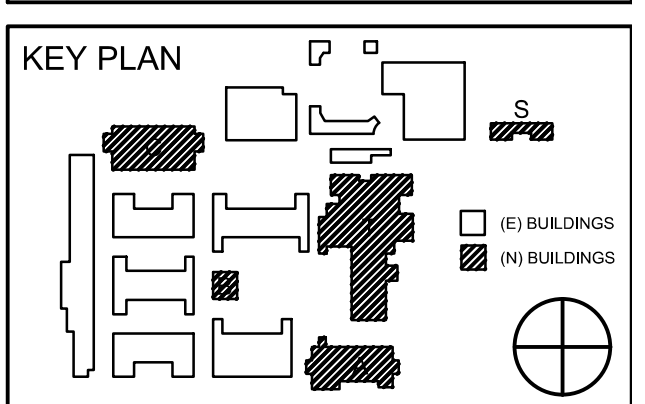
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STAGE LIGHTING PLAN STAGE LEVEL

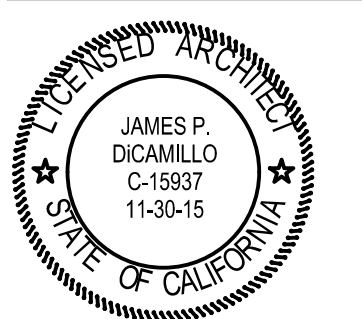
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- PLAN NOTES:**
- ① 3/4" C, 6 #12.
 - ② 3/4" C, 8 #12.
 - ③ 3/4" C, 12 #12.

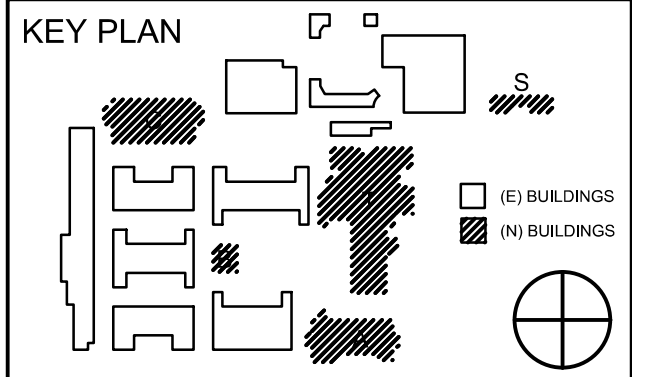
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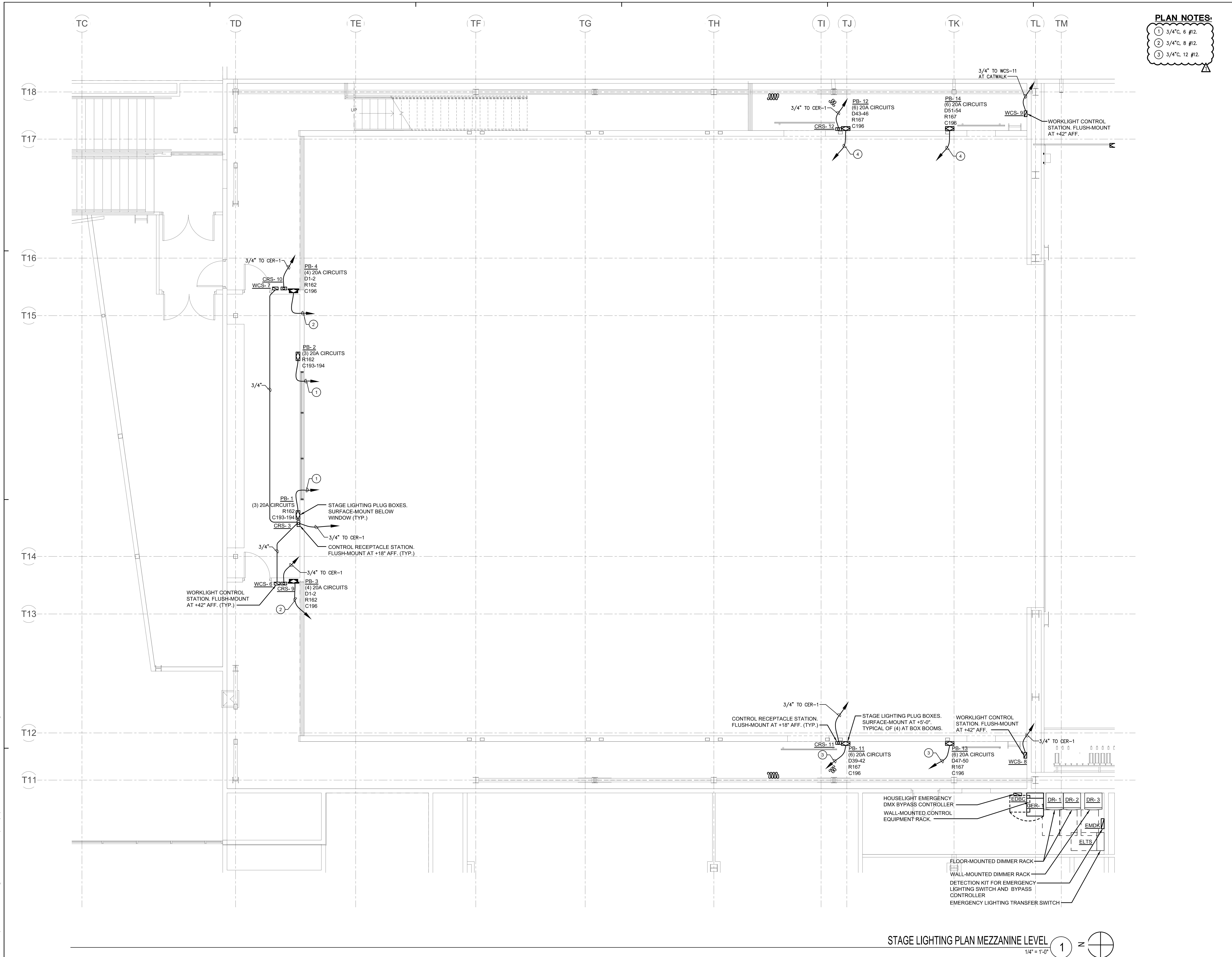
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**STAGE LIGHTING PLAN
 MEZZANINE LEVEL**

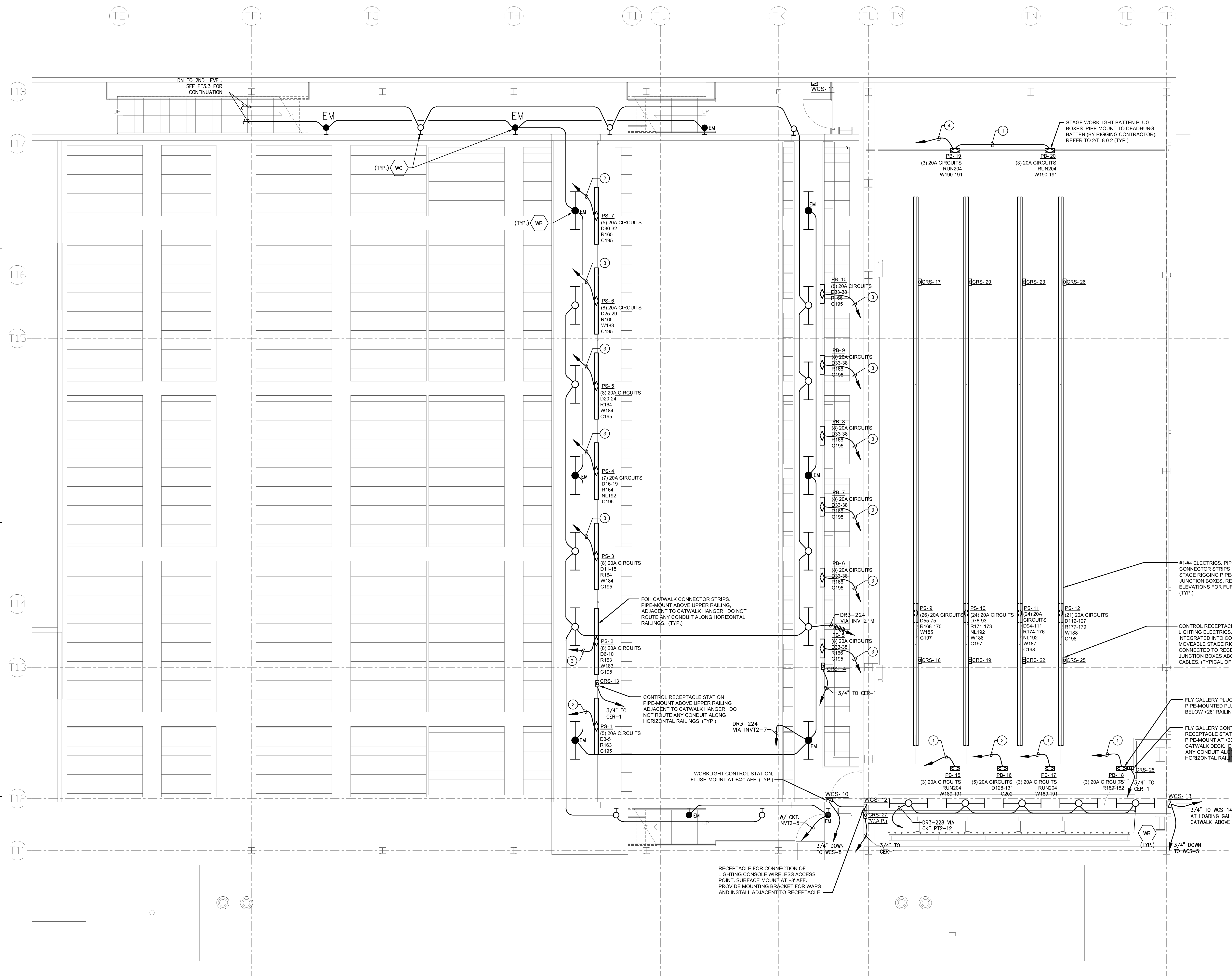
DRAWING NUMBER: **ET3.5**



STAGE LIGHTING PLAN MEZZANINE LEVEL 1 = 1/4" = 1'-0"

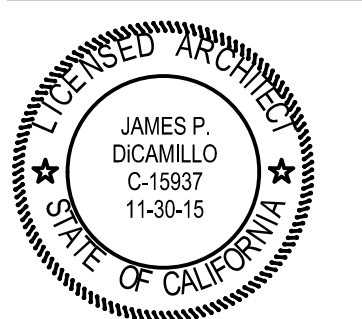
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- PLAN NOTES:**
- 1 3/4" C, 6 #12.
 - 2 3/4" C, 10 #12.
 - 3 1" C, 16 #12.
 - 4 3/4" C, 12 #12.



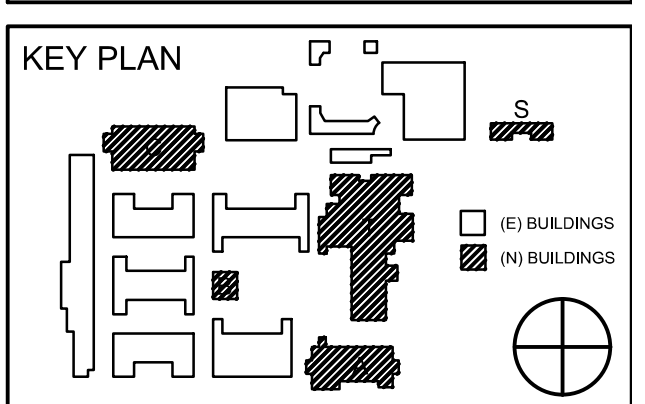
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STAGE LIGHTING PLAN
CATWALK LEVEL

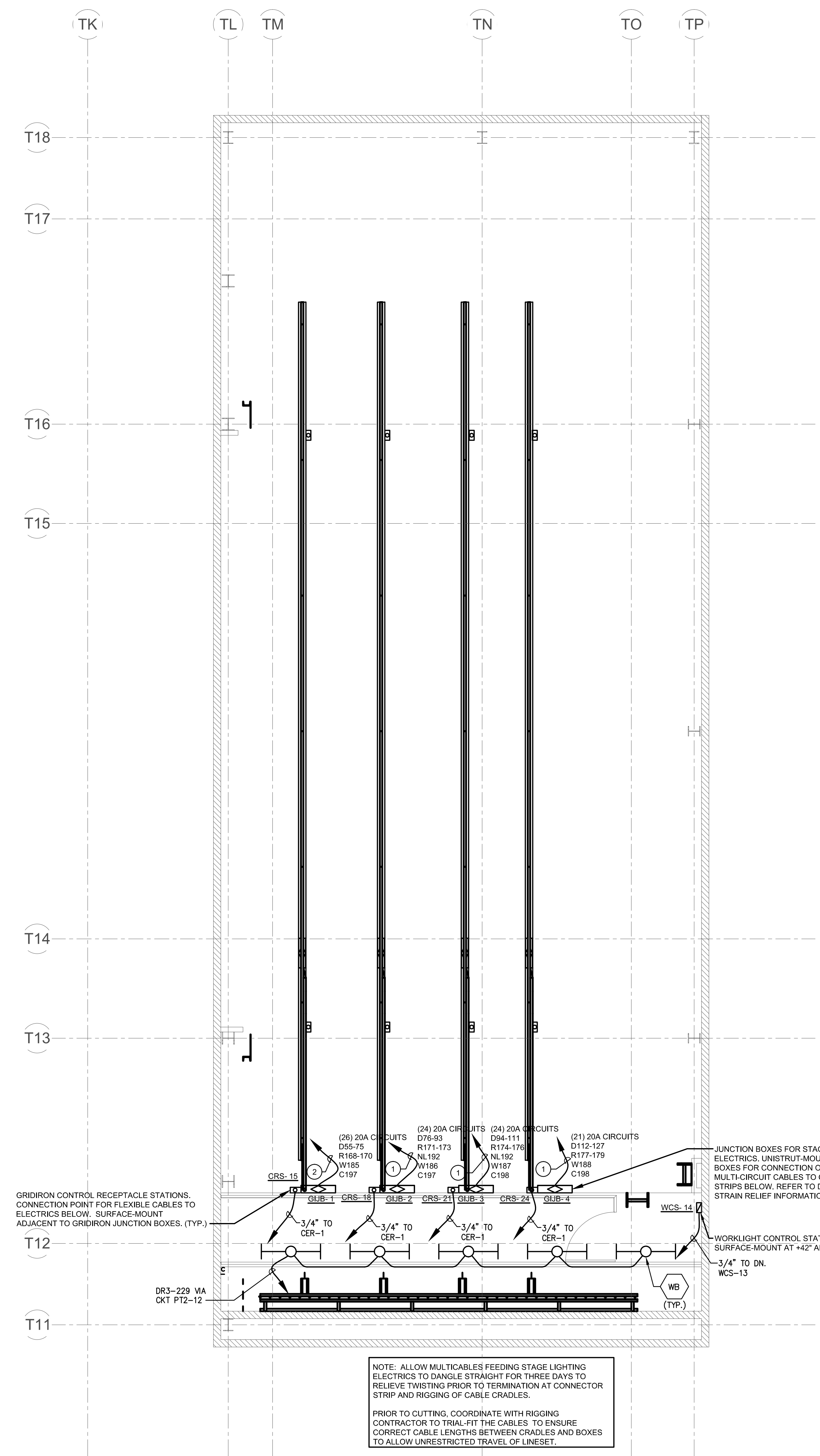
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STAGE LIGHTING PLAN CATWALK LEVEL 1
 1/4" = 1'-0"

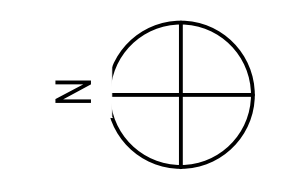
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PLAN NOTES:
 ① (3) 1" C, 16 #12, EACH
 ② (4) 3/4" C, 13 #12, EACH



NOTE: ALLOW MULTICABLES FEEDING STAGE LIGHTING ELECTRICS TO DANGLE STRAIGHT FOR THREE DAYS TO RELIEVE TWISTING PRIOR TO TERMINATION AT CONNECTOR STRIP AND RIGGING OF CABLE CRADLES.
 PRIOR TO CUTTING, COORDINATE WITH RIGGING CONTRACTOR TO TRIAL-FIT THE CABLES TO ENSURE CORRECT CABLE LENGTHS BETWEEN CRADLES AND BOXES TO ALLOW UNRESTRICTED TRAVEL OF LINESET.

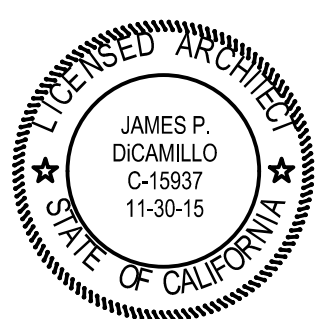


STAGE LIGHTING PLAN LOADING GALLERY 1
 1/4" = 1'-0"



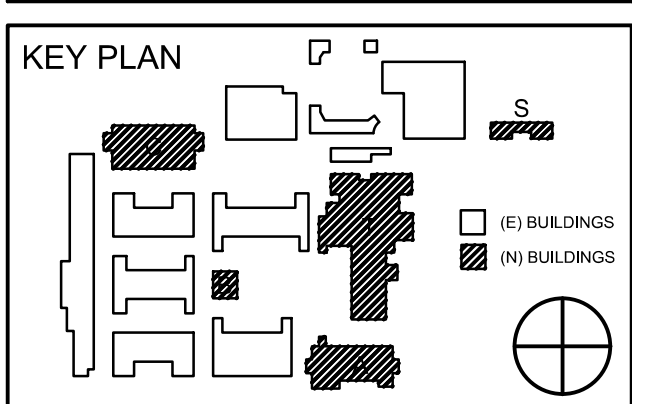
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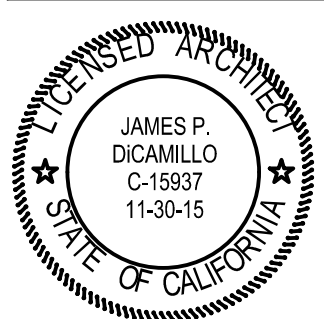
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STAGE LIGHTING PLAN
 LOADING GALLERY

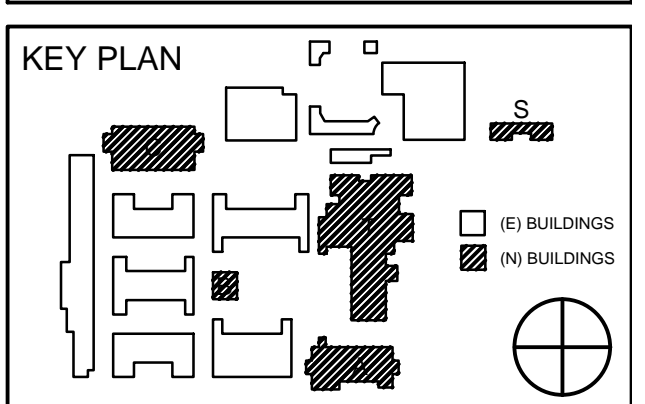
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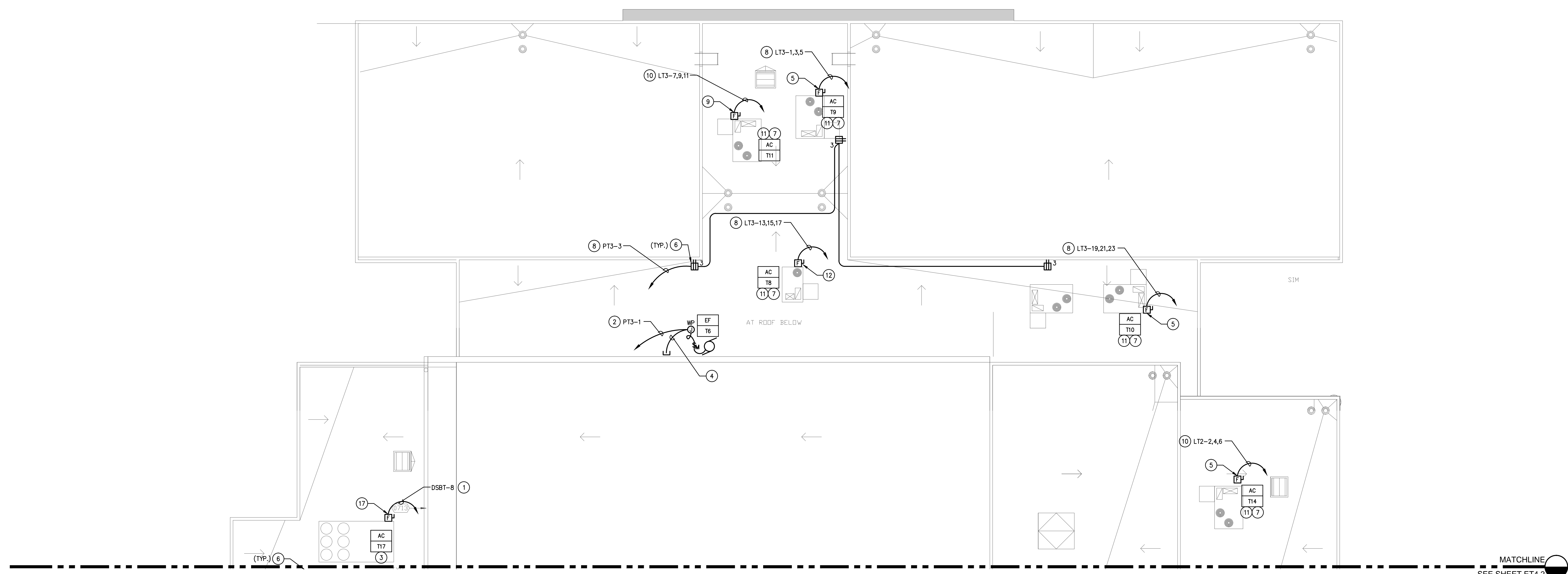


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**THEATER BUILDING
ROOF PARTIAL
ELECTRICAL PLAN**

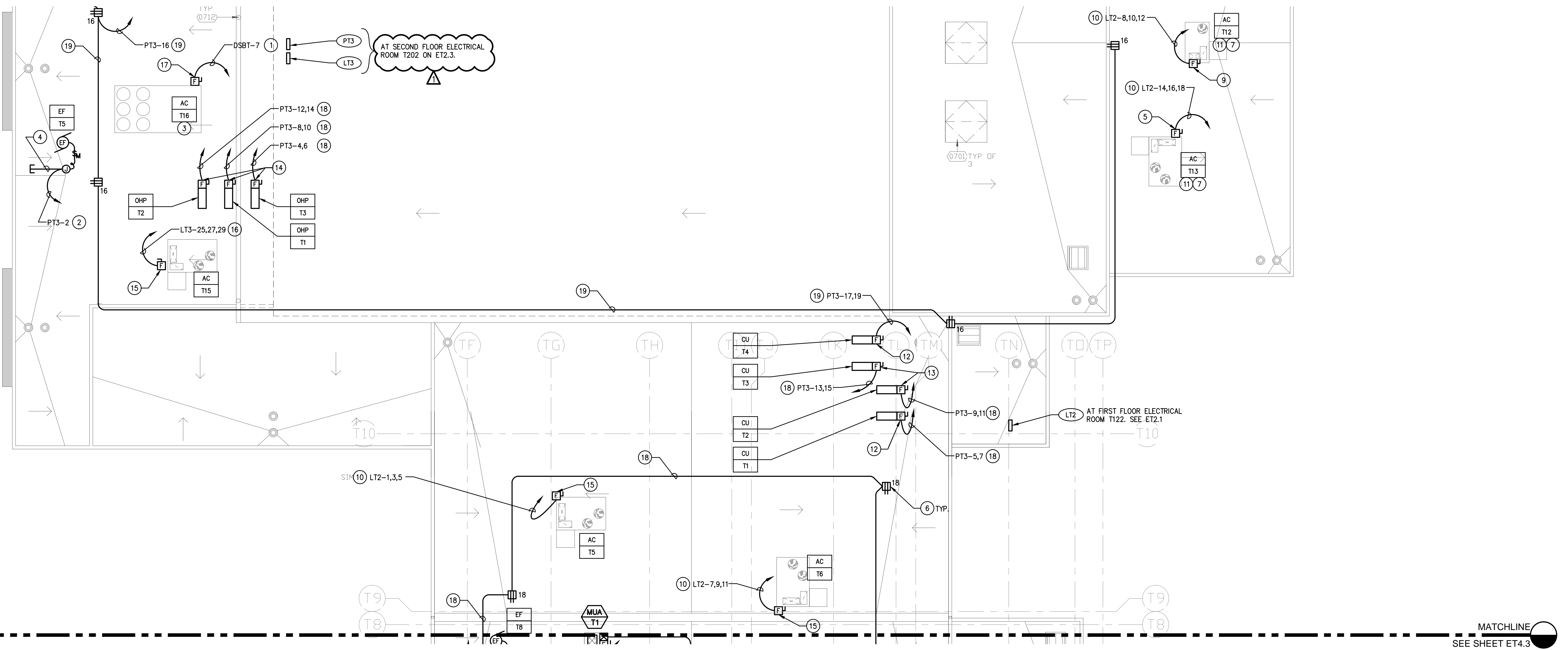
DRAWING NUMBER: **ET4.1**



THEATER BUILDING ROOF PARTIAL ELECTRICAL PLAN 1
1/8" = 1'-0"

- PLAN KEYNOTES FOR SHEET ET4.1, ET4.2 & ET4.3:**
- 1 REFER TO SINGLE LINE DIAGRAM SHEET ES.2 FOR FEEDER REQUIREMENTS.
 - 2 ROUTE CIRCUIT THROUGH SWITCHPACK CONTROLLED BY RESPECTIVE ROOM'S OCCUPANCY SENSOR. REFER TO RESPECTIVE LIGHTING PLAN.
 - 3 MONITORED BY EMS. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL.
 - 4 PROVIDE 3/4"C. STUBBED INTO ACCESSIBLE CEILING SPACE FOR CONTROLS. VERIFY EXACT REQUIREMENTS WITH MECHANICAL.
 - 5 PROVIDE 60AS/45AF, 3P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (600V)
 - 6 PROVIDE WEATHERPROOF GFI RECEPTACLE WITHIN 25 FEET OF MECHANICAL EQUIPMENT.
 - 7 CONTROLLED BY LINE VOLTAGE THERMOSTAT. COORDINATE THERMOSTAT LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL.
 - 8 3/4"C. - 3#12, 1#12 GROUND.
 - 9 PROVIDE 30AS/20AF, 3P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (600V)
 - 10 3/4"C. - 3#10, 1#10 GROUND.
 - 11 VFD PROVIDED BY MECHANICAL CONTRACTOR. CONDUIT, CONDUCTORS & CONNECTIONS PROVIDED BY ELECTRICAL CONTRACTOR.
 - 12 PROVIDE 30AS/25AF, 2P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (240V)
 - 13 PROVIDE 30AS/15AF, 2P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (600V). PROVIDE NEMA "00" STARTER SIZE.
 - 14 PROVIDE 30AS/20AF, 2P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (240V)
 - 15 PROVIDE 30AS/25AF, 3P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (600V). PROVIDE NEMA STARTER SIZE "0".
 - 16 3/4"C. - 3#8, 1#8 GROUND.
 - 17 200AS/110AF, 3P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (600V)
 - 18 3/4"C. - 2#12, 1#12 GROUND.
 - 19 3/4"C. - 2#10, 1#10 GROUND.
 - 20 3/4"C. - 2#8, 1#8 GROUND.
 - 21 3/4"C. - 2#12 INTERLOCK MAU-T1 WITH THE OPERATION OF KITCHEN HOOD EXHAUST FAN EF-17. VERIFY REQUIREMENTS WITH MECHANICAL AND PROVIDE AS REQUIRED.
 - 22 3/4"C. - 2#12 INTERLOCK OPERATION EF-T8 WITH KITCHEN HOOD EF/T7. VERIFY REQUIREMENTS WITH MECHANICAL AND PROVIDE AS REQUIRED.
 - 23 PROVIDE 60AS/50AF, 3P FUSED DISCONNECT SWITCH HEAVY DUTY AND HP RATED. (600V)

- GENERAL ROOF NOTES**
- 1. ALL MULTI-WIRE BRANCH CIRCUITS AND HOME RUNS SHALL MEET NEC ARTICLE 210.4.
 - 2. PROVIDE 4" MIN SLEEPERS TO SUPPORT CONDUITS FOR ALL EXPOSED CONDUIT RUNS ON ROOF.
 - 3. ALL ELECTRICAL EQUIPMENT MOUNTED ON THE ROOF SHALL BE WEATHERPROOF (NEMA-3R).
 - 4. VERIFY EXACT LOCATION OF HVAC AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING PLANS.



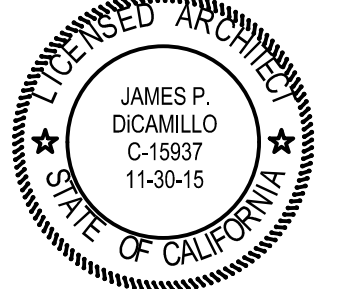
THEATER BUILDING ROOF PARTIAL ELECTRICAL PLAN 1
1/8" = 1'-0"

PLAN KEY NOTES:
1. PLAN KEYNOTES (Ⓢ), REFER TO SHEET ET4.1.

- GENERAL ROOF NOTES**
1. ALL MULTI-WIRE BRANCH CIRCUITS AND HOME RUNS SHALL MEET NEC ARTICLE 210.4.
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 4. VERIFY EXACT LOCATION OF HVAC AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING PLANS.
 5. PROVIDE FUSE PER NAMEPLATE RATING IF DIFFERENT FROM SIZE INDICATED. COMPLY WITH CODE.

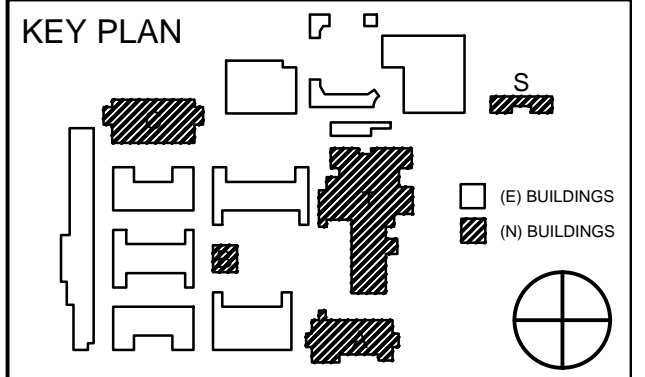
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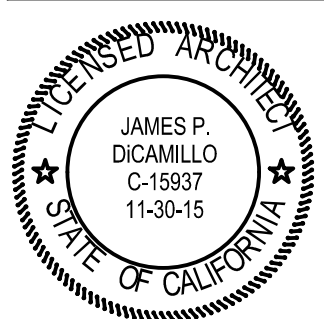
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THEATER BUILDING ROOF PARTIAL ELECTRICAL PLAN

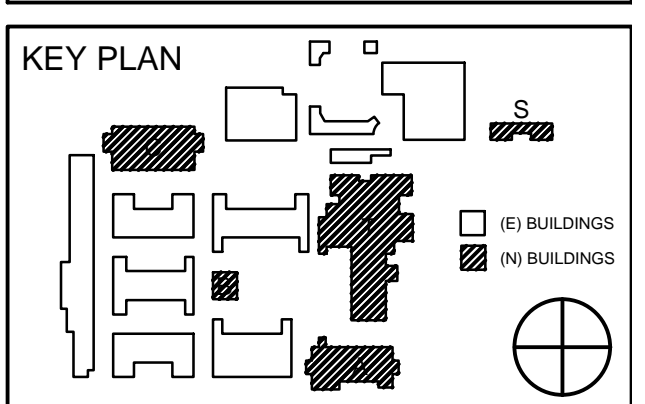
DRAWING NUMBER: **ET4.2**

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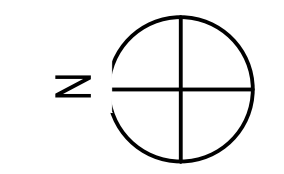
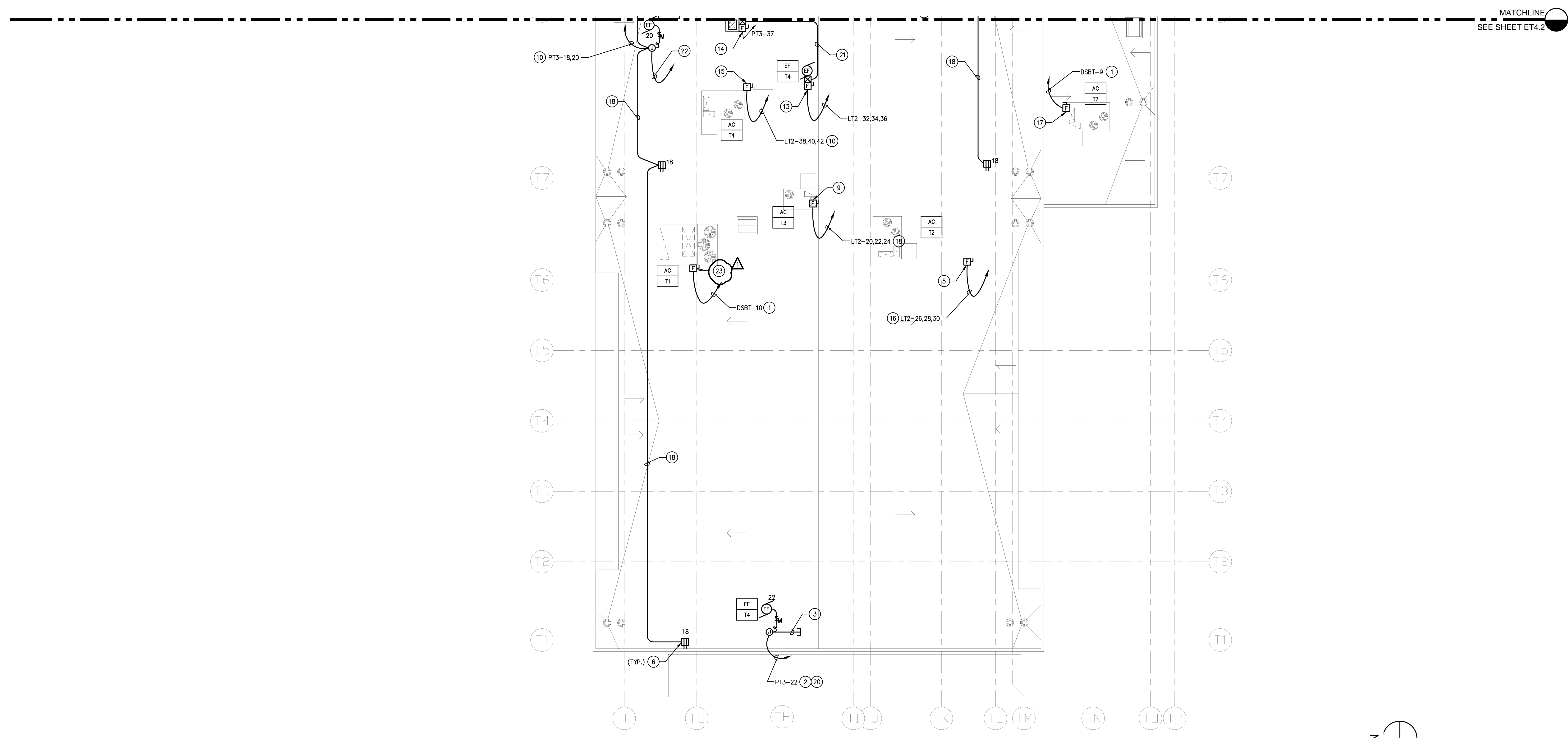


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	05/29/2014	DSA SUBMITTAL
	04/08/2015	DSA BACK CHECK
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**THEATER BUILDING
ROOF PARTIAL
ELECTRICAL PLAN**

DRAWING NUMBER: **ET4.3**



THEATER BUILDING ROOF PARTIAL ELECTRICAL PLAN 1
1/8" = 1'-0"

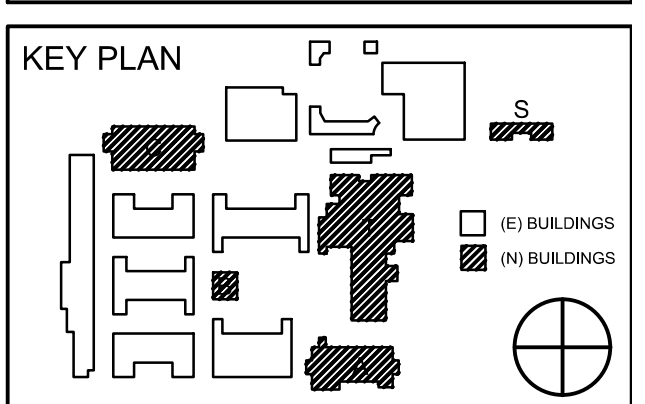
PLAN KEY NOTES:
1. PLAN KEYNOTES (#), REFER TO SHEET ET4.1.

- GENERAL ROOF NOTES**
- ALL MULTI-WIRE BRANCH CIRCUITS AND HOME RUNS SHALL MEET NEC ARTICLE 210.4.
 - PROVIDE 4" MIN SLEEPERS TO SUPPORT CONDUITS FOR ALL EXPOSED CONDUIT RUNS ON ROOF.
 - ALL ELECTRICAL EQUIPMENT MOUNTED ON THE ROOF SHALL BE WEATHERPROOF (NEMA-3R).
 - VERIFY EXACT LOCATION OF HVAC AND PLUMPING EQUIPMENT WITH MECHANICAL AND PLUMPING PLANS.
 - PROVIDE FUSE PER NAMEPLATE RATING IF DIFFERENT FROM SIZE INDICATED. COMPLY WITH CODE.



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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL03-115771
AC FLS SS
DATE

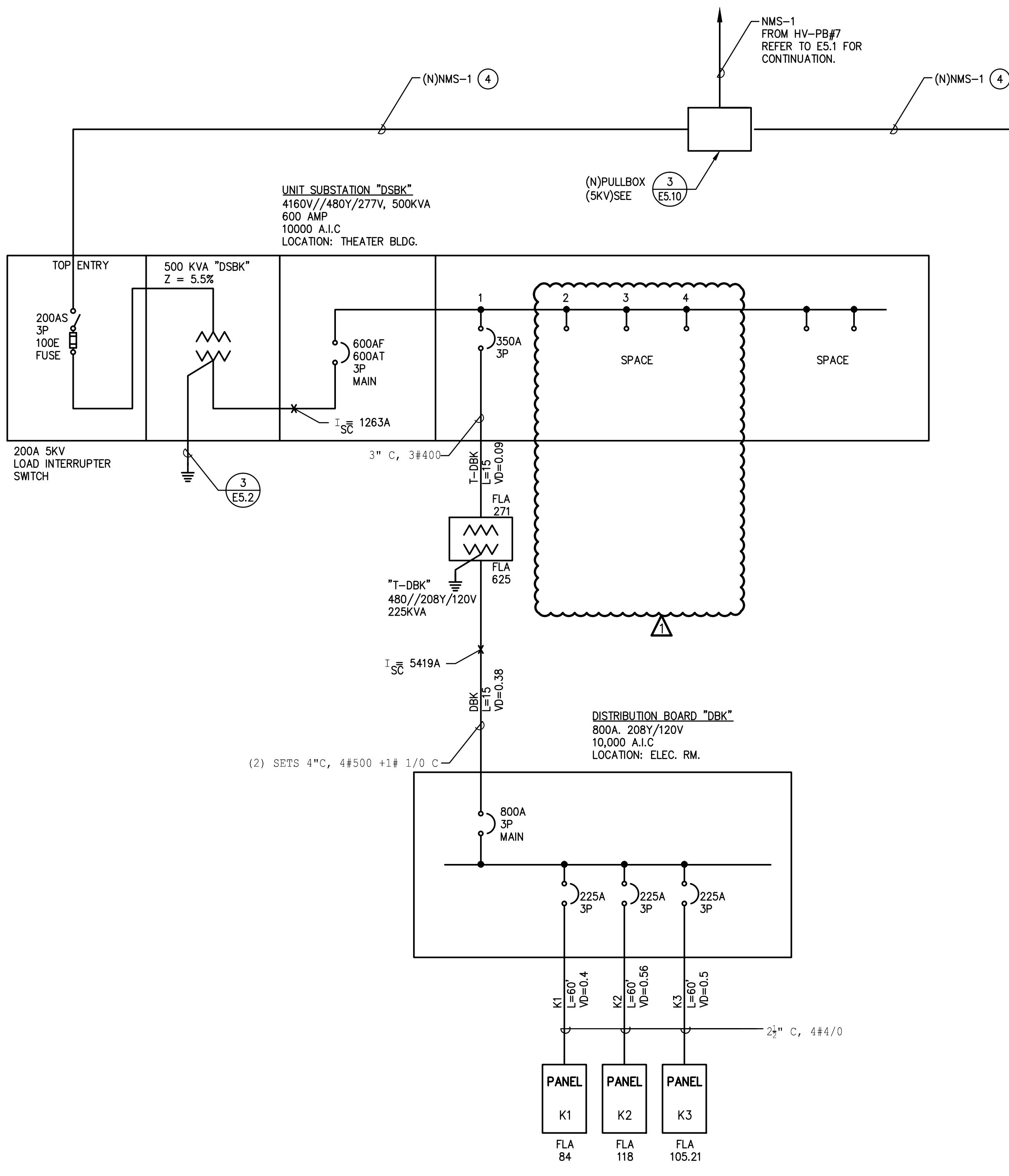


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
02/12/2015	BBB REVISION	

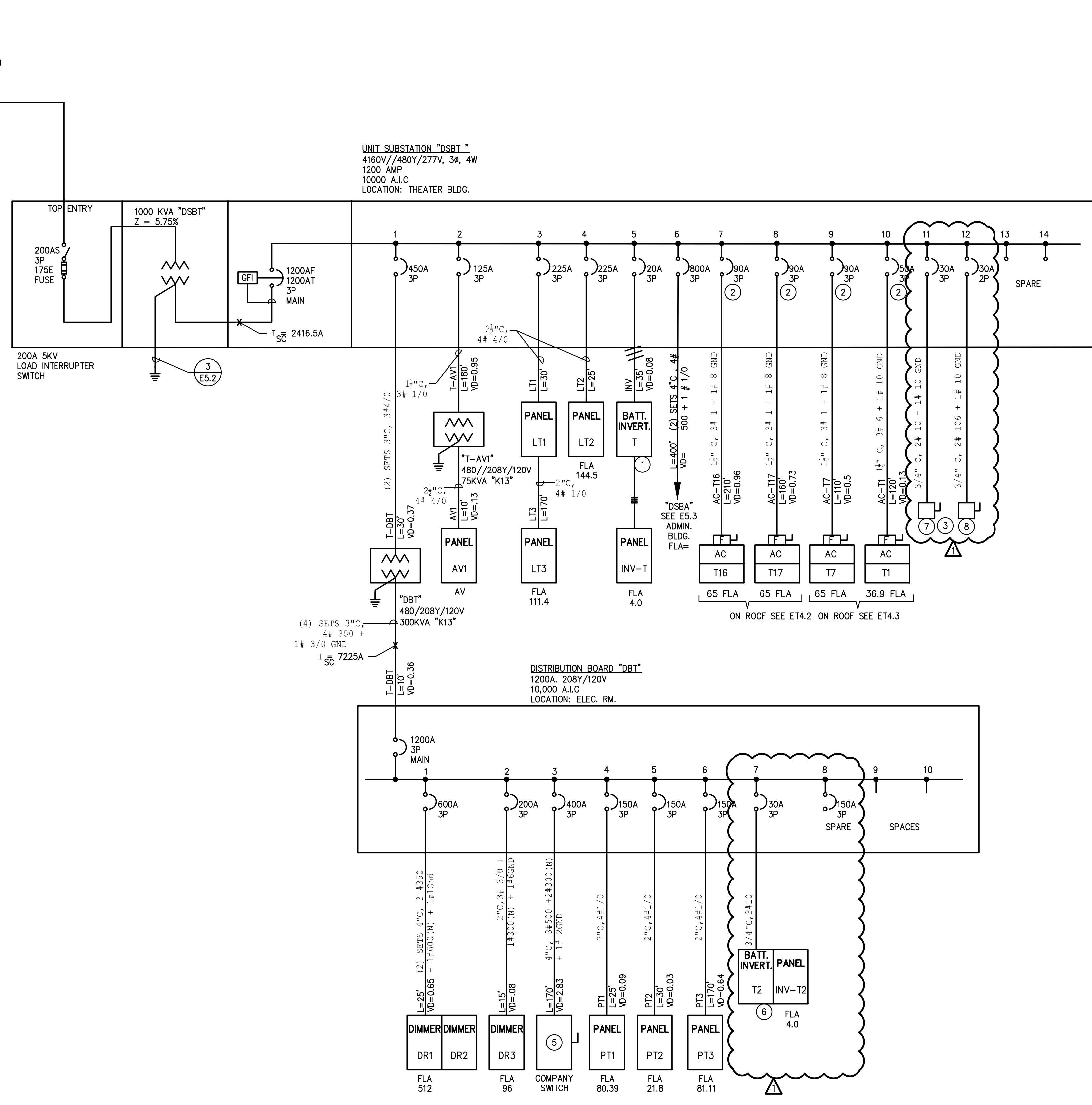
DRWN: CHKD:
DATE: 04/08/2015 SCALE:
PROJECT NUMBER: 1310700

SINGLE LINE DIAGRAM - THEATER BUILDING & CLASSRM. BLDGS.

DRAWING NUMBER: **E5.2**



3
E5.10 SINGLE LINE DIAGRAM - KITCHEN BUILDING
NONE **2**



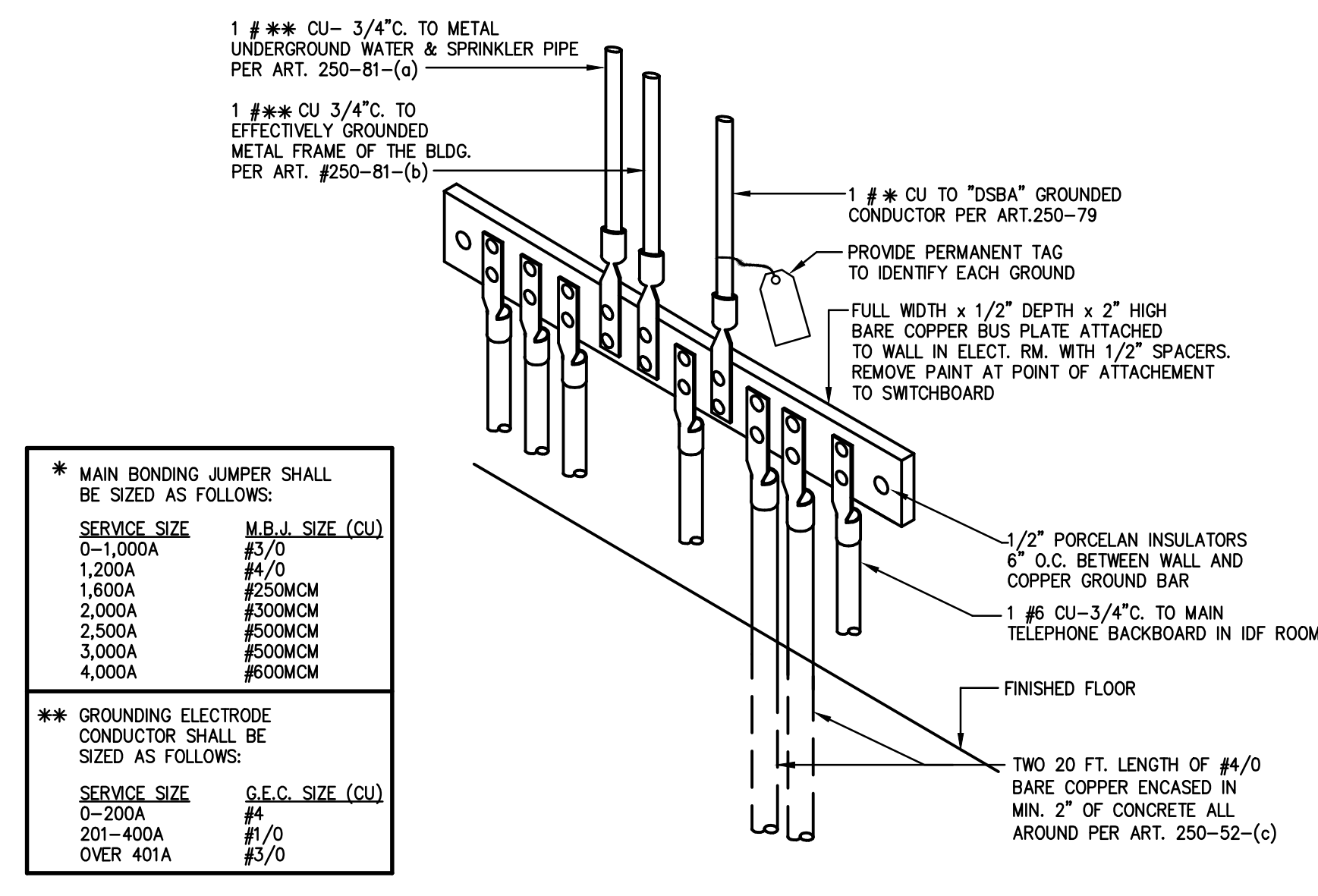
3
E5.10 SINGLE LINE DIAGRAM - THEATER BUILDING
NONE **1**

SINGLE LINE DIAGRAM GENERAL NOTES

- ALL FUSED DISCONNECTS SHALL BE PROVIDED WITH REJECTION CLIPS.
- ALL ELECTRICAL SYSTEMS SHALL BE INSTALLED FOR FINAL INSPECTIONS.
- ALL CONDUCTORS SHALL BE 600V, RATED WITH THHN/THWN INSULATION.
- ALL CIRCUIT BREAKER TERMINALS IN SWITCHBOARDS AND PANEL BOARDS SHALL BE U.L LISTED AND APPROVED FOR USE COPPER 60/75° CELSIUS CONDUCTORS.
- SIZING OF ALL CONDUIT AND CONDUCTOR SIZE ARE BASED ON ELECTRICAL METALLIC TUBING AND COPPER, TYPE THHN INSULATED WIRES.
- ALL SERVICES SHALL BE GROUNDED AND BONDED TO THE DOMESTIC COLD WATER LINE, WITHIN 24 INCHES OF WATER LINE'S ENTRY TO THE BUILDING. THIS IS IN ADDITION TO A SECOND GROUND CONNECTION AS INDICATED ON THE SINGLE LINE DIAGRAM.
- SIZES OF BREAKERS, SWITCHES, FUSES AND FEEDERS ARE BASED ON DESIGNED EQUIPMENT SIZES. THESE SIZES SHALL BE ADJUSTED TO SATISFY REQUIREMENTS OF ACTUAL INSTALLED OR SUBSTITUTE EQUIPMENT. UP SIZING OR DOWNSIZING OF FEEDERS SHALL BE PROVIDED WITHOUT ADDITIONAL COST TO THE DISTRICT.
- AIC = SHORT CIRCUIT RATING.
- ALL OVERSIZED FEEDERS THAT WERE ADJUSTED IN SIZE TO COMPENSATE FOR VOLTAGE DROP SHALL BE PROVIDED WITH ADAPTER LUGS OR SPLICE BOX AS REQUIRED. ADAPTER LUGS SHALL BE PROVIDED IF SIZE IS AVAILABLE, OTHERWISE PROVIDE CABLE SPLICES IN THE SPLICE BOX TO REDUCE CABLES TO THE MAXIMUM SIZE THAT THE BREAKER LUGS CAN ACCOMMODATE.
- ALL FINAL TERMINATIONS OF CONDUCTORS TO ELECTRICAL EQUIPMENT AND DEVICES SHALL BE TORQUE WRENCH TIGHTENED TO THE MANUFACTURER'S RECOMMENDED SPECIFICATION, NO EXCEPTION.
- FLASH PROTECTION MARKINGS SHALL BE PROVIDED ON ALL ELECTRICAL EQUIPMENT. "WARNING POTENTIAL ARC-FLASH HAZARDS EXIST WHILE WORKING ON THIS ENERGIZED EQUIPMENT" (CEC 406.11).

SINGLE LINE DIAGRAM KEY NOTES

- EMERGENCY LIGHTING BATTERY INVERTER. 480/277VAC INPUT-480V/277V OUTPUT, 10kW. ALL BATTERIES SHALL BE ENCLOSED IN VENTED CABINET. SEE BATTERY SPECIFICATION SHEET E5.6. DSPM #DE3-10.0-480VAC INPUT, 480V/277VAC OUTPUT-OCB-10B.
- PROVIDE "HACR" TYPE OF CIRCUIT BREAKER.
- PROVIDE DISCONNECTING SWITCH AS REQUIRED. COORDINATE WITH STAGE LIGHTING CONSULTANT.
- NEW 4°C, 3#500 KCMIL, 1/2" G. (SHIELDED POWER CABLE)
- USED FOR TEMPORARY SPECIAL EFFECTS LIGHTING OR RIGGING EQUIPMENT THE TOTAL PEAK LOAD 125 K.W. LOAD LIKELY TO OCCUR WHEN A SIGNIFICANT PORTION OF THE INSTALLED DIMMING SYSTEM IS NOT BEING USED.
- EMERGENCY LIGHTING INVERTER, DSPM #DE3 6-208/120VAC INPUT, 208Y/120VAC OUTPUT-OCB-10B. SEE SPEC SHEET E5.6.
- 30AS, 3P (480V) NON FUSED DISCONNECT SWITCH (RIGGING MOTOR).
- 30AS, 2P (480V) NON FUSED DISCONNECT SWITCH (CURTAIN WINCH).

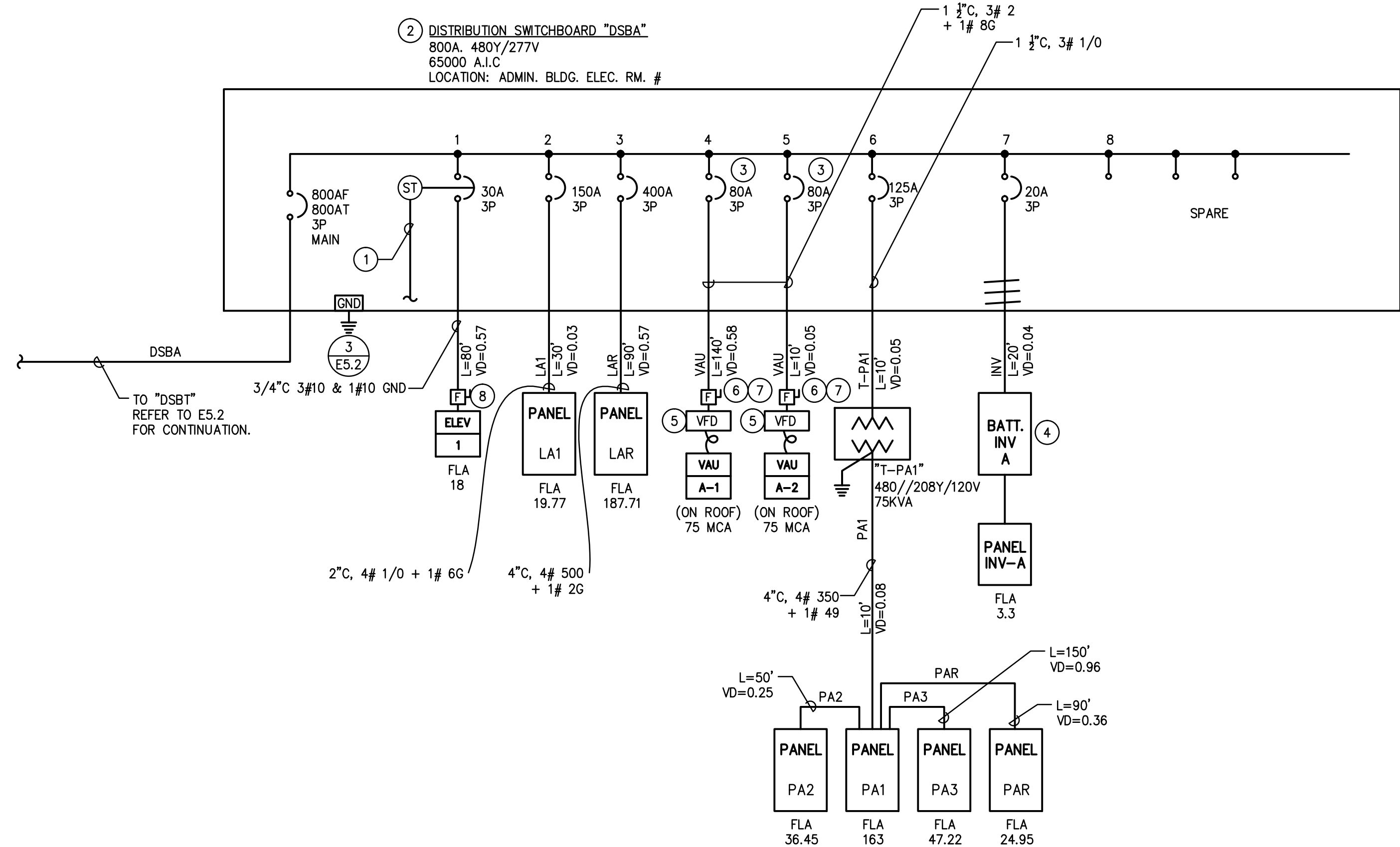


* MAIN BONDING JUMPER SHALL BE SIZED AS FOLLOWS:
SERVICE SIZE M.B.J. SIZE (CU)
0-1,000A #3/0
1,200A #4/0
1,600A #250CMC
2,000A #300CMC
2,500A #500CMC
3,000A #500CMC
4,000A #600CMC

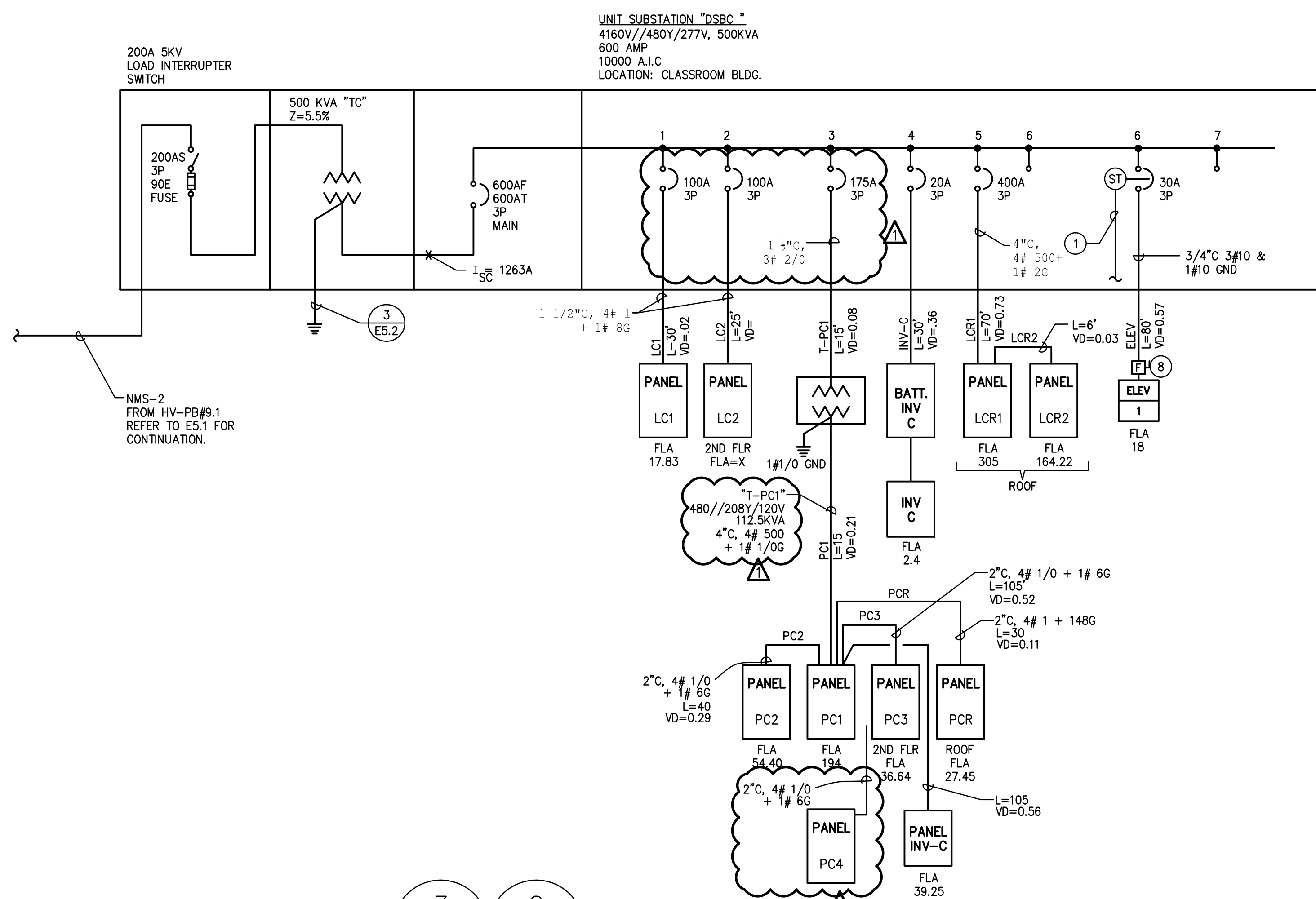
** GROUNDING ELECTRODE CONDUCTOR SHALL BE SIZED AS FOLLOWS:
SERVICE SIZE G.E.C. SIZE (CU)
0-200A #4
201-400A #1/0
OVER 401A #5/0

UFER GROUND DETAIL
NONE **3**

PROJECT:		DATE:		Sheet Circuit					
JOB NO.:		BY:		AISWBD					
VOLTAGE DROP - 3 PHASE									
CIRCUIT	VOLTAGE	WVR FACTOR (%)	CONDUIT MATERIAL	CONDUCTOR SIZE	LENGTH (FEET)	CURRENT (AMPS)	VOLTAGE DROP (VOLTS)	(%)	VOLTAGE AT LOAD
DISHWASHER	480	80	steel	3/0AWG	0.079	0.052			480.0
KITCH. MAU	480	80	steel	3/0AWG	0.079	0.052			480.0
KITCH. EX FAN	480	80	steel	3/0AWG	0.079	0.052			480.0
TRANSFDBK	480	80	steel	350MCM	0.039	0.05	15	271	479.6
								0.09%	1268.70



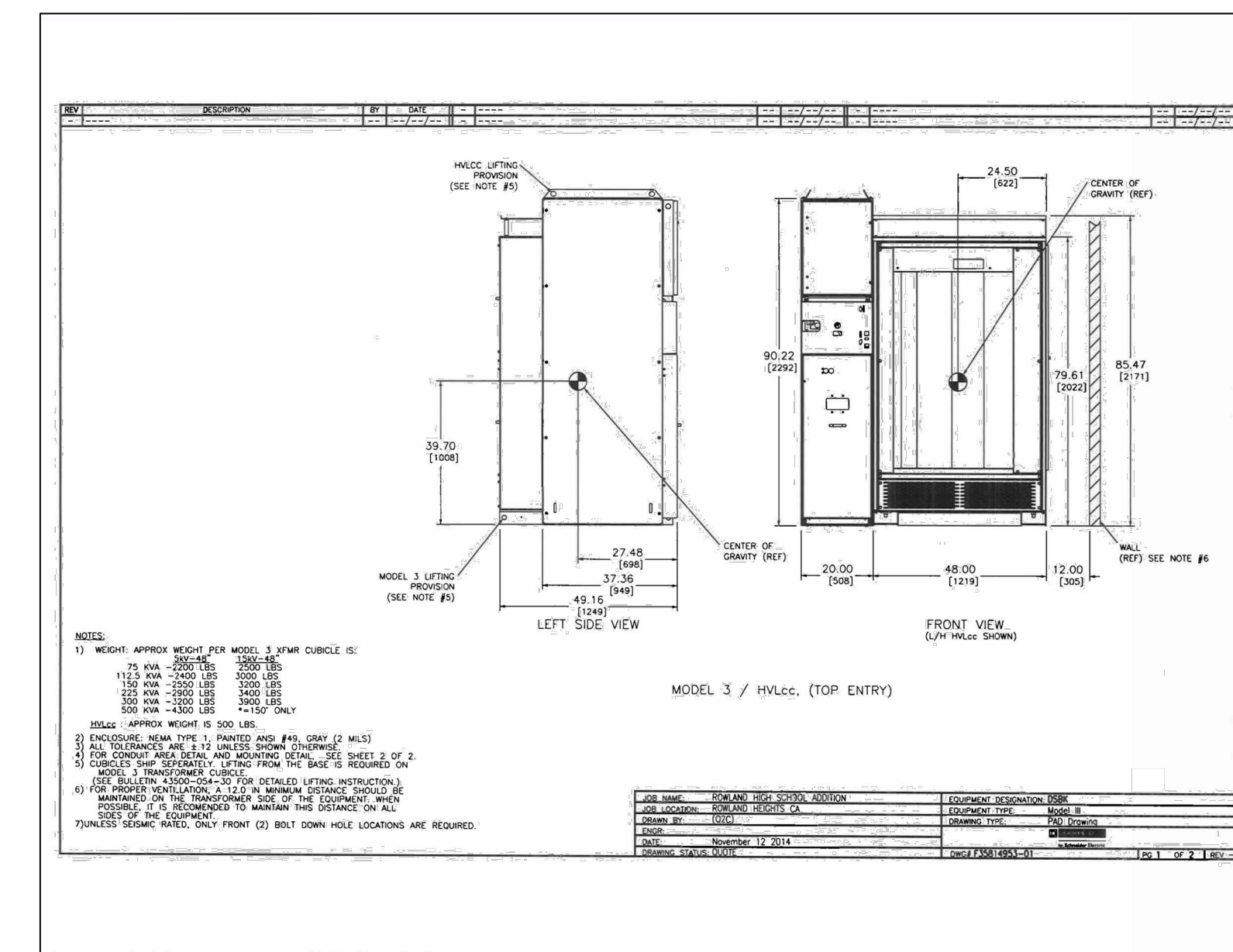
1
E5.10
SINGLE LINE DIAGRAM - ADMINISTRATION BUILDING
NONE 4



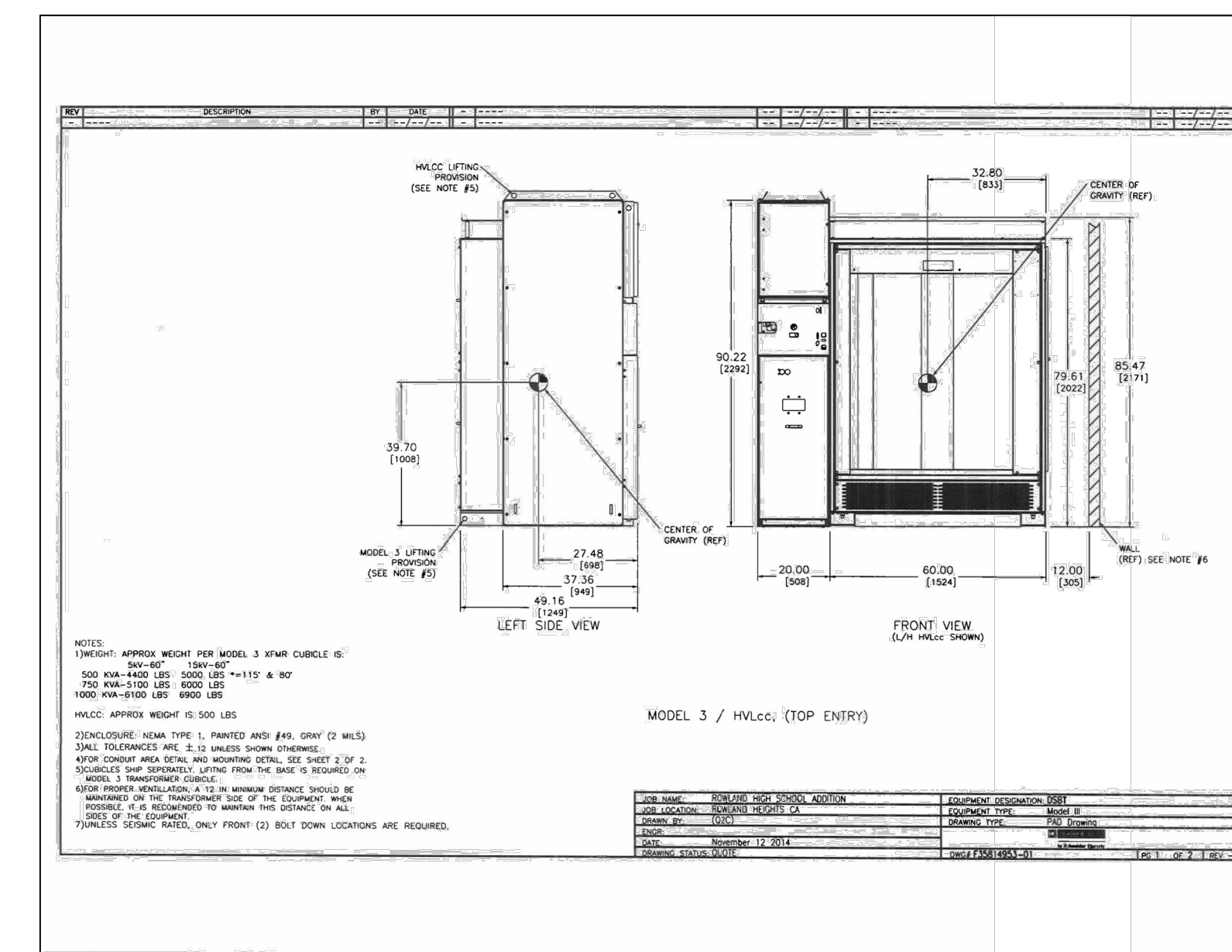
3 2
E5.3 E5.10
SINGLE LINE DIAGRAM - CLASSROOM
NONE 5

SINGLE LINE DIAGRAM PLAN NOTES

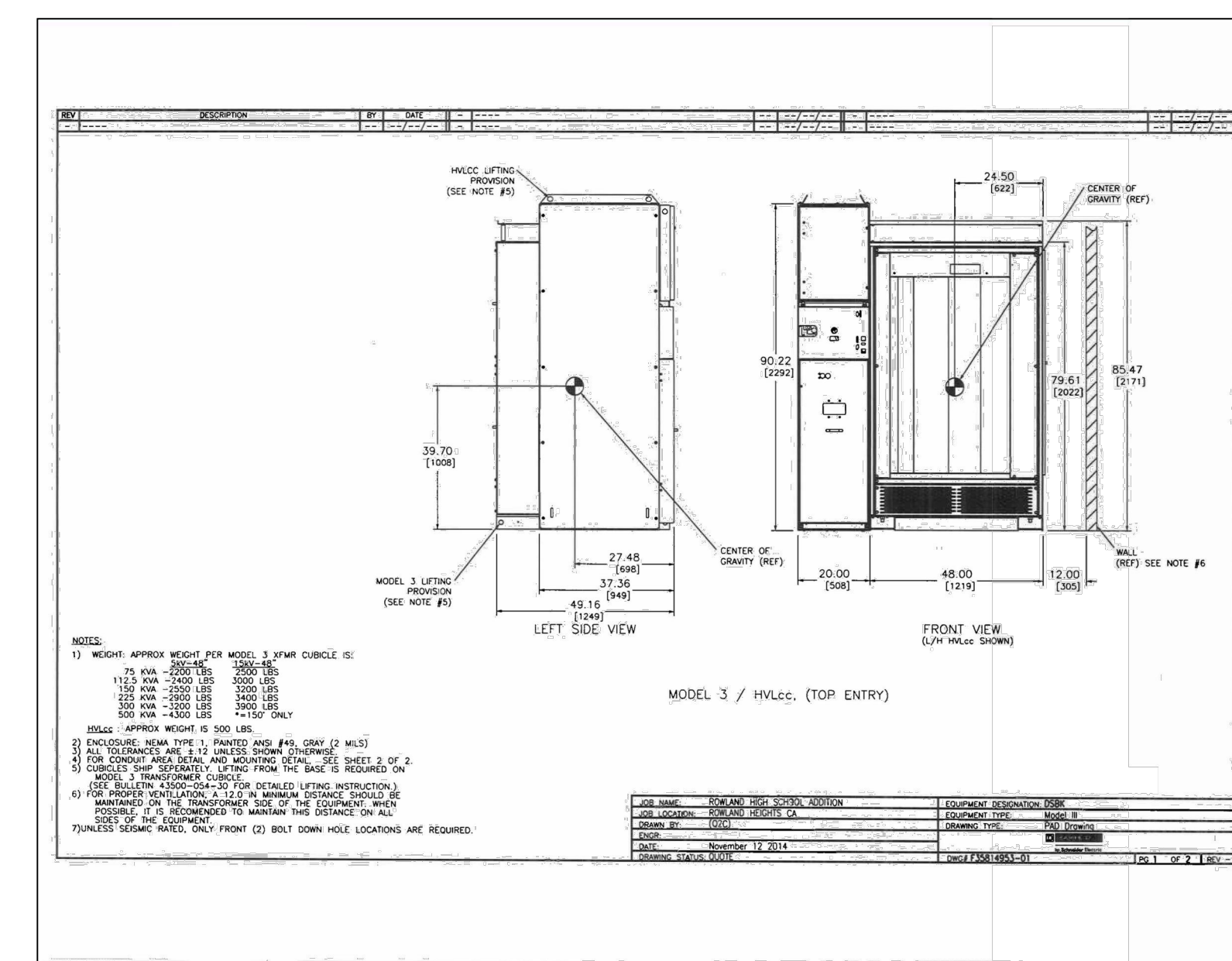
- PROVIDE SHUNT TRIP CIRCUIT BREAKER. CONNECT TO POWER SHUT DOWN SWITCH IN ELEVATOR MACHINE ROOM AND TO FIRE ALARM CONTROL PANEL TO SHUT DOWN ELEVATOR PRIOR TO SPRINKLER RELEASE. VERIFY ALL REQUIREMENTS WITH ELEVATOR MANUFACTURER.
- PANEL SHALL BE RATED FOR SERVICE ENTRANCE USE.
- PROVIDE "HACR" TYPE CIRCUIT BREAKER.
- EMERGENCY LIGHTING BATTERY INVERTER. 480V INPUT-480V/277V OUTPUT, 10KW. ALL BATTERIES SHALL BE ENCLOSED IN VENTED CABINET. SEE BATTERY SPECIFICATION SHEET E5.6. DSPM #0E3-10.0-480VAC INPUT-480V/277VAC OUTPUT-0CB/277/24 SRB STU3.
- VFD PROVIDED BY MECHANICAL CONTRACTOR. CONDUIT, CONDUCTORS AND CONNECTIONS BY ELECTRICAL CONTRACTOR.
- 200AS, 125AF, 3P DISC. SWITCH NEMA 3R, HEAVY DUTY AND HP RATED (600V).
- PROVIDE FUSE PER NAME PLATE RATING IF DIFFERENT FROM FUSE SIZE INDICATED. COMPLY WITH CODE.
- 30AS, 25AF(RK), 3P DISC. SWITCH, HP RATED (600V).



INDOOR SUBSTATION "DBSK" (4.16KV) ELEVATION DETAIL
NONE 1



INDOOR SUBSTATION "DSBT" (4.16KV) ELEVATION DETAIL
NONE 2



INDOOR SUBSTATION "DSBC" (4.16KV) ELEVATION DETAIL
NONE 3

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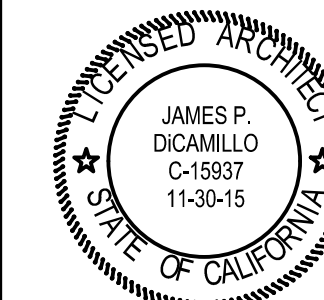
TEL: 909-987-0909

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ROWLAND HIGH SCHOOL ADDITION

ROWLAND UNIFIED SCHOOL DISTRICT

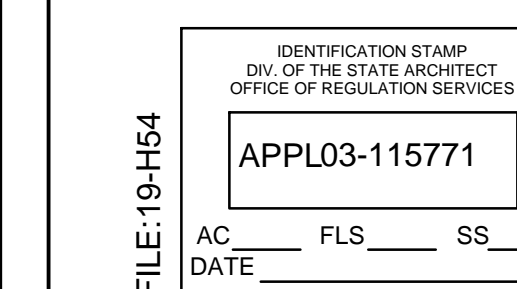
2000 OTTERBEIN AVE
ROWLAND HEIGHTS, CALIFORNIA



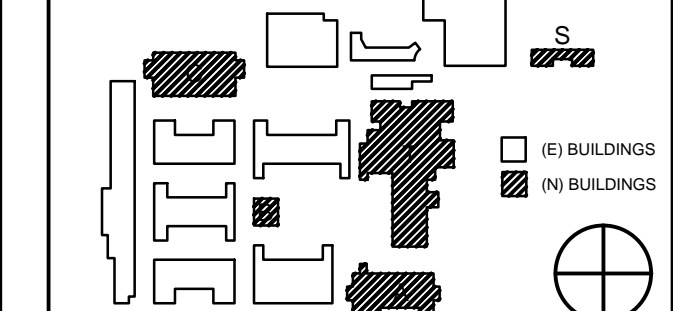
CONSULTANT

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KEY PLAN



REVISION SCHEDULE

NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN: CHKD:
DATE: 04/08/2015 SCALE:
PROJECT NUMBER: 1310700

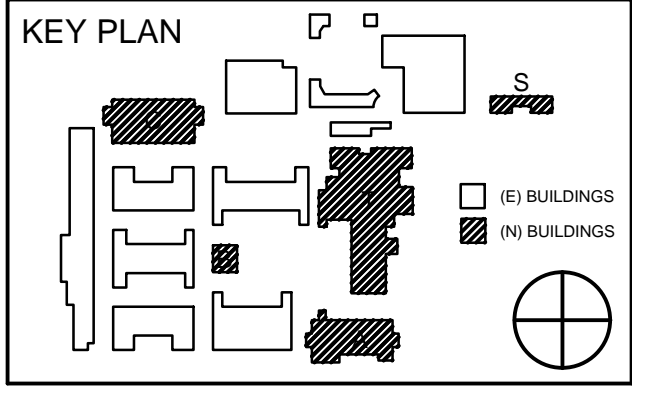
SINGLE LINE
DIAGRAMS- ADMIN.
BLDG. & KITCHEN

DRAWING
NUMBER: **E5.3**



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FILE: 19-1954
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OFFICE OF REGULATION SERVICES
APPL03-115771
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REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN: CHKD:
DATE: 04/08/2015 SCALE:
PROJECT NUMBER: 1310700

PANEL SCHEDULES
ADMIN BUILDING

DRAWING NUMBER: **E5.4**

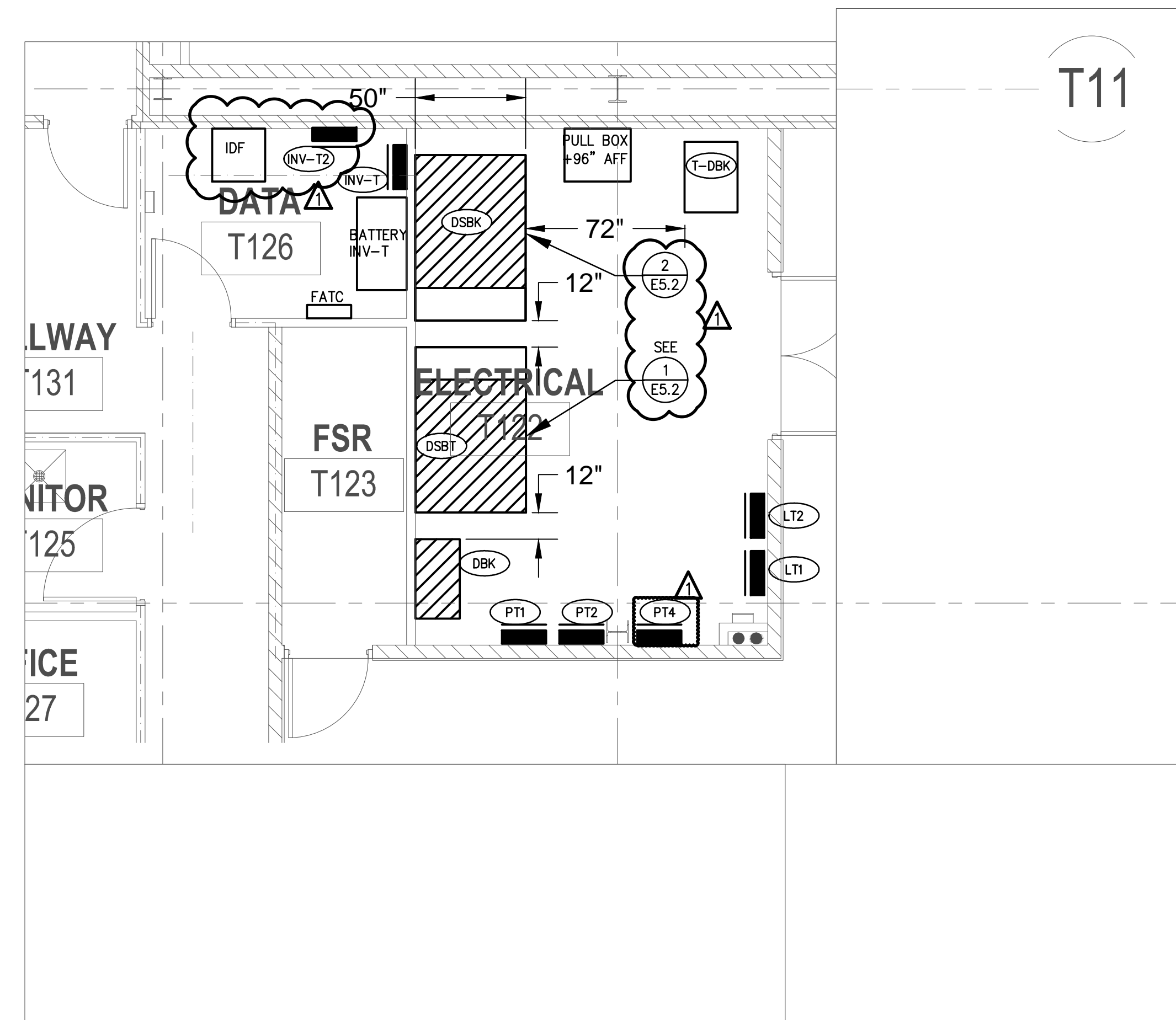
PANEL : LA1		Location: Elect Room	Bus Rating Amps	Volts/Phase/Wires:	208 / 120	3 / 4	Mounting:											
65K A.I.C.		Main:	300 A	400	480 / 277	3 / 4	SURFACE											
LOAD INFORMATION																		
LOAD	Note	Type	PH-A	PH-B	PH-C	CB	PH	CB	P	CB	PH-A	PH-B	PH-C	Type	Note	LOAD		
ASSEMBLY 1st FLR		L	2,929			1	20	A	2	20	1	20	1	2	20	1	2	20
ASSEMBLY 2nd FLR		L	2,057			3	1	20	B	20	1	4	20	1	4	20	1	4
REARING ROOM		L	1,604			23	1	20	A	20	1	12	20	1	12	20	1	12
1ST FLR LT		L	1,330			7	1	20	A	20	1	8	20	1	8	20	1	8
1ST FLR LT		L	1,484			9	1	20	B	20	1	10	20	1	10	20	1	10
CORRIDOR 2ND FLR LITS		L	875			11	1	20	A	20	1	12	20	1	12	20	1	12
TOWER LTG		L	53			13	1	20	A	20	1	14	20	1	14	20	1	14
						15	1	20	B	20	1	16	20	1	16	20	1	16
						17	1	20	A	20	1	18	20	1	18	20	1	18
						19	1	20	A	20	1	20	20	1	20	20	1	20
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						23	1	20	A	20	1	24	20	1	24	20	1	24
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						157	1	20	A	20	1	158	20	1	158	20	1	158
						159	1	20	B	20	1	160	20	1	160	20	1	

SCHEDULE OF EQUIPMENT QUANTITIES	
QTY.	THEATRE
1	STAGE LIGHTING DIMMING / CONTROL TYPE
1	STAGE LIGHTING CONTROL CONSOLE - 1500 CHANNEL (CC-1) WITH FADER WING, U.P.S., + ACCESSORIES
2	VIDEO DISPLAYS FOR CC-1 CONTROL CONSOLE (LCD TOUCHSCREEN w/ DUSTCOVERS)
1	PORTABLE VIDEO NODE FOR TECH TABLE (VN-1)
1	VIDEO DISPLAY FOR VIDEO NODE (19" LCD FLAT PANEL w/ DUSTCOVERS)
1	PORTABLE CONTROL STATION (PCS-1/TYPE 801) FOR HOUSELIGHTS
1	PORTABLE CONTROL STATION (PCS-2/TYPE 802) FOR AUXILIARY LIGHTING SYSTEMS
1	HANDHELD WIRELESS REMOTE FOCUS DEVICE (WRFU-1)
3	PORTABLE 2-PORT ETHERNET/DMX512 OUTPUT NODE, (PoE, WITH C-CLAMP, 2x DMX512 OUTPUTS)
1	PORTABLE 2-PORT ETHERNET/DMX512 INPUT NODE, (PoE, 2x DMX512 INPUTS OR XLR5-M TO XLR5-M TURNAROUND CABLES)
1	400A 3-PHASE COMPANY SWITCH w/ CAM-STYLE SINGLE POLE FEEDER CONNECTORS & CHAMBER FOR BARE LUG CONNECTIONS.
1	EMERGENCY LIGHTING TRANSFER SWITCH, MINIMUM 12 CIRCUITS. VERIFY CIRCUIT COUNT AND FEED TYPE WITH ELECTRICAL
1	EMERGENCY LIGHTING DETECTION KIT
1	DMX EMERGENCY BYPASS CONTROLLER
1	REMOTE RESTORE SWITCH FOR EM. LIGHTING DETECTION KIT (ETS-1)
2	48 MODULE DIMMER CABINET
1	24 MODULE DIMMER CABINET
2	24kw DUAL DIMMER MODULES W/ 500 MICRO-SECOND RISE TIME (NO SPARE MODULES)
82	24kw DUAL THRU-POWER MODULES W/ 500 MICRO-SECOND RISE TIME DIMMER, 20A RELAY, CONSTANT POWER (INCLUDES 5 SPARE MODULES)
15	24kw DUAL RELAY MODULES (NO SPARE MODULES)
5	DUAL CONSTANT POWER MODULES W/ 20A CIRCUIT BREAKERS FOR DIMMER RACKS (NO SPARE MODULES)
5	AIRFLOW FILLER MODULES
QTY.	STAGE LIGHTING FIXTURE TYPE
4	10" ELLIPSOIDAL REFLECTOR SPOTLIGHT W/ LAMP, C-CLAMP, SAFETY CABLE, GROUNDED STAGE PIN CONNECTOR INSTALLED, 750W.
20	19" ELLIPSOIDAL REFLECTOR SPOTLIGHT W/ LAMP, C-CLAMP, SAFETY CABLE, GROUNDED STAGE PIN CONNECTOR INSTALLED, 750W.
45	26" ELLIPSOIDAL REFLECTOR SPOTLIGHT W/ LAMP, C-CLAMP, SAFETY CABLE, GROUNDED STAGE PIN CONNECTOR INSTALLED, 750W.
50	36" ELLIPSOIDAL REFLECTOR SPOTLIGHT W/ LAMP, C-CLAMP, SAFETY CABLE, GROUNDED STAGE PIN CONNECTOR INSTALLED, 750W.
6	50" ELLIPSOIDAL REFLECTOR SPOTLIGHT W/ LAMP, C-CLAMP, SAFETY CABLE, GROUNDED STAGE PIN CONNECTOR INSTALLED, 750W.
4	15" - 30" ZOOM ELLIPSOIDAL REFLECTOR SPOTLIGHT W/ LAMP, C-CLAMP, SAFETY CABLE, GROUNDED STAGE PIN CONNECTOR INSTALLED, 750W.
6	19" COLOR-CHANGING LED PROFILE SPOTLIGHT, C-CLAMP, SAFETY CABLE, POWER CORD WITH GROUNDED 5-15P CONNECTORS INSTALLED.
6	26" COLOR-CHANGING LED PROFILE SPOTLIGHT, C-CLAMP, SAFETY CABLE, POWER CORD WITH GROUNDED 5-15P CONNECTORS INSTALLED.
25	COLOR-CHANGING LED WASHLIGHT, 25" SECONDARY LENS, C-CLAMP w/ HANGER BRACKET, SAFETY CABLE, POWER CORD WITH GROUNDED 5-15P CONNECTORS INSTALLED, ADDITIONAL LENSES AS NOTED BELOW.
LOT	LENSES FOR 7-COLOR LED WASHLIGHTS, ROUND/R: 25" 35"-45"-75" OR LINEAR/L: 20"-30"-40"-60"-80"(25) @ 35" R; (10) @ 45" R; (10) @ 20" L; (6) @ 30" L.
20	FRESNEL SPOTLIGHT W/ LAMP, C-CLAMP, SAFETY CABLE, GROUNDED STAGE PIN CONNECTOR INSTALLED, 750W.
7	2-CELL, 4-COLOR CYCLOPAMA WASH LIGHT W/ HANGER BRACKETS AND C-CLAMPS, (2) SAFETY CABLES, POWER CORD WITH GROUNDED 5-15P CONNECTORS INSTALLED.
4	PAR64 SPOTLIGHT WITH 1,000W, 4,000 HOUR MFL LAMP, C-CLAMP, SAFETY CABLE, L5-20 TWISTLOCK CONNECTOR INSTALLED (FOH REHEARSAL LIGHT.)
30	WIDE FLOOD LED WORKLIGHT W/ LAMP, C-CLAMP, SAFETY CABLE, 5-20 CONNECTOR INSTALLED (STAGE REHEARSAL LIGHT FLOODS).
2	WIDE FLOOD LED WORKLIGHT W/ LAMP, C-CLAMP, SAFETY CABLE, 5-20 CONNECTOR INSTALLED (STAGE NIGHT LIGHTS).
8	PAR38 RUNNING LIGHT W/ LAMP, C-CLAMP, SAFETY CABLE, 4-PANE BARRNDOR, GROUNDED 5-15P CONNECTOR INSTALLED, 150W.
2	FOLLOWSPOT W/ 8-COLOR BOOMERANG, FLOOR STAND, REMOTE BALLAST WITH 5-15P INPUT POWER CONNECTOR INSTALLED, LYCAN 1275
QTY.	STAGE LIGHTING ACCESSORY TYPE
LOT	CAT-59 ETHERNET DATA EXTENSION CABLES (PROFLEX CABLE, ETHERCON CONNECTORS), WITH LABELING, TIE LINE, 5 @ 5' / 5 @ 10' / 5 @ 25' / 2 @ 50'
LOT	PORTABLE DMX512 CONTROL EXTENSION CABLES WITH 5-PIN XLR CONNECTORS, LABELING, TIE LINE, (TMB PRO-FLEX CABLE OR EQUAL) 12 @ 5' / 4 @ 10' / 6 @ 25' / 2 @ 50'
LOT	12/3 TYPE SO PORTABLE STAGE EXTENSION CABLES WITH MALE AND FEMALE GROUNDED STAGE PIN CONNECTORS LABELING, TIE LINE, 20 @ 5' / 12 @ 10' / 12 @ 25' / 2 @ 50'
LOT	12/3 TYPE SO PORTABLE STAGE EXTENSION CABLES WITH MALE AND FEMALE 5-20 CONNECTORS, LABELING, TIE LINE, 8 @ 5' / 6 @ 10' / 4 @ 25' / 3 @ 50'
LOT	12/3 TYPE SO PORTABLE STAGE EXTENSION CABLES WITH MALE AND FEMALE L5-20 CONNECTORS, LABELING, TIE LINE, 4 @ 5' / 4 @ 10'
25	10" POWERCON TO POWERCON JUMPER CABLE FOR LED WASHLIGHTS
6	POWERCON COUPLER
2	25'-0" LONG 12/3 BLACK TYPE STW MULTIPLE-RECEPTACLE EXTENSION WITH 5-15 STRAIGHT-BLADE PLUG AND (3) 5-15R RECEPTACLES ON 8'-6" CENTERS, (LEX PRODUCTS "E-STRING")
2	XLR5M-XLR5M DMX ADAPTER
2	XLR5F-XLR5F DMX ADAPTER
4	XLR3F-XLR5M DMX ADAPTER
6	PORTABLE DMX512 TERMINATING PLUG (XLR5-M w/ 120 OHM RESISTOR)
20	MOLDED-RUBBER-CABLE TWOFERS WITH 20 AMP GROUNDED STAGE PIN CONNECTORS
6	12/3 SO PORTABLE FEMALE GROUNDED STAGE PIN TO MALE GROUNDED EDISON ADAPTORS - 1'-0" LONG
12	12/3 SO PORTABLE MALE GROUNDED STAGE PIN TO FEMALE GROUNDED EDISON ADAPTORS - 1'-0" LONG
LOT	(50) SHEETS OF ROSCOLUX COLOR FILTERS: (2) R01, (2) R04, (2) R05, (2) R09, (2) R16, (4) R18, (2) R23, (2) R26, (4) R38, (2) R46, (2) R56, (4) R57, (2) R60, (4) R64, (2) R65, (2) R68, (2) R79, (2) R80, (4) R132
2	ROLLING ROAD CASE FOR STORAGE OF ACCESSORIES
10	4-PANE STAGE LIGHTING BARNDORS FOR PARNEL/FRESNEL SPOTLIGHTS
5	4-PANE STAGE LIGHTING BARNDORS FOR LED WASHLIGHTS
28	STAGE LIGHTING TOPHATS FOR ELLIPSOIDAL REFLECTOR SPOTLIGHTS
30	STAGE LIGHTING TEMPLATE HOLDER (A SIZE) FOR ELLIPSOIDAL REFLECTOR SPOTLIGHTS
6	12" THE LIGHT SOURCE DROP-DOWN WITH C-CLAMP.
1	PERSONNEL LIFT

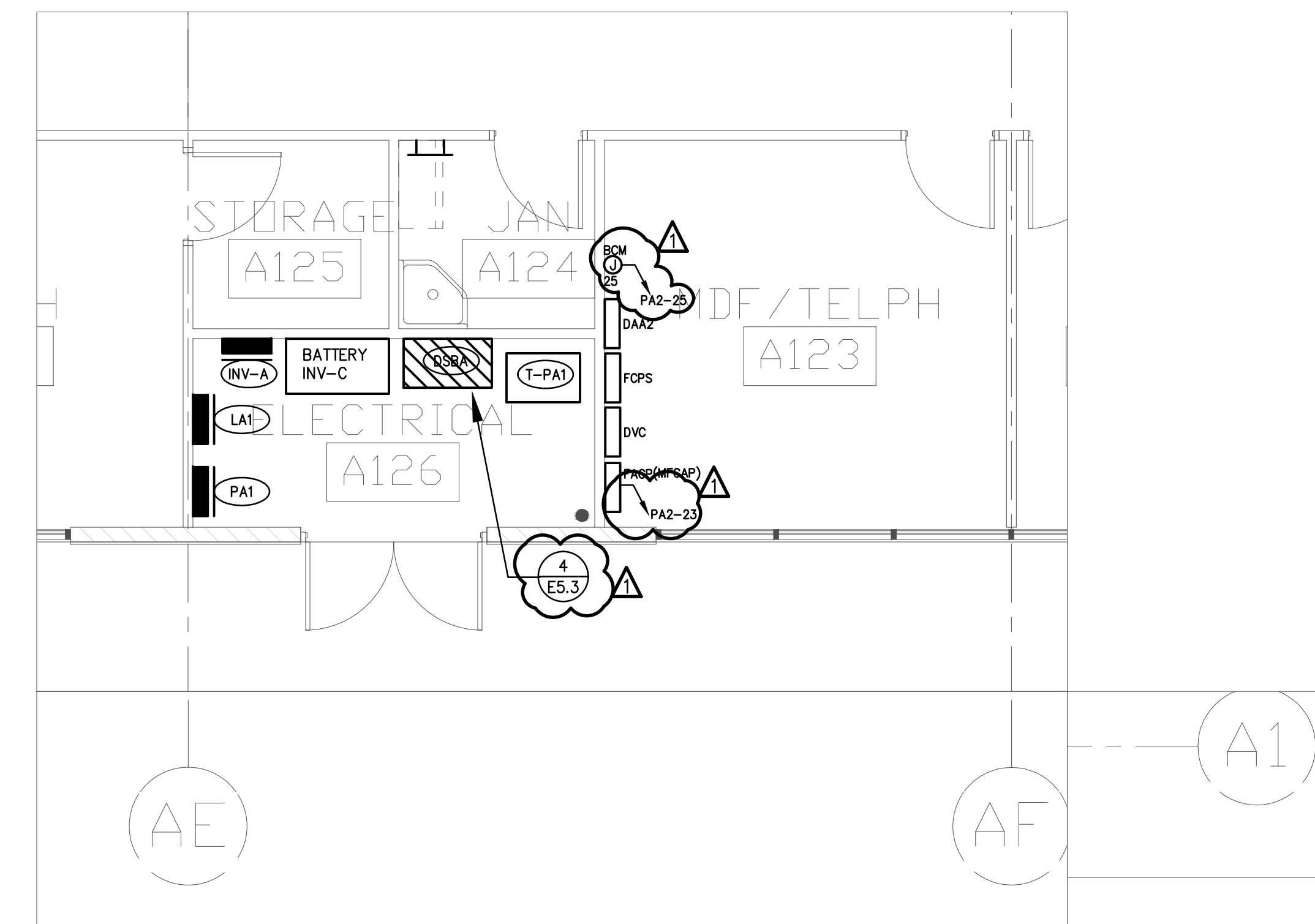
CONTROL DEVICE SUMMARY			
STA.	ID.	LOCATION	FACEPANEL TYPE
THEATRE			
CER	1	DIMMER ROOM	
CER	2	STAGE DSL	
CRS	1	CONTROL BOOTH	401
CRS	2	AUDIO BOOTH	408
CRS	3	FOLLOWSPOT CENTER	408
CRS	4	AUDITORIUM CENTER	408
CRS	5	STAGE DSL	401
CRS	6	STAGE DSR	408
CRS	7	STAGE USL	402
CRS	8	STAGE USR	402
CRS	9	HOUSE REAR LOFT HR	403
CRS	10	HOUSE REAR LOFT HL	403
CRS	11	BOX BOOMS HR	405
CRS	12	BOX BOOMS HL	405
CRS	15	LOADING GALLERY - #1 ELEC	407
CRS	16	#1 ELECTRIC SL	403
CRS	17	#1 ELECTRIC SR	404
CRS	18	LOADING GALLERY - #2 ELEC	407
CRS	19	#2 ELECTRIC SL	403
CRS	20	#2 ELECTRIC SR	404
CRS	21	LOADING GALLERY - #3 ELEC	407
CRS	22	#3 ELECTRIC SL	403
CRS	23	#3 ELECTRIC SR	404
CRS	24	LOADING GALLERY - #4 ELEC	407
CRS	25	#4 ELECTRIC SL	403
CRS	26	#4 ELECTRIC SR	404
CRS	27	FLY GALLERY DS	402
CRS	29	APRON SL	403
CRS	30	APRON SR	403
EDBC			
DR	1	DIMMER ROOM	
DR	2	DIMMER ROOM	
DR	3	DIMMER ROOM	
EMDK			
ETS	R1	CONTROL BOOTH EM TEST	801
HCS			
HCS	1	HR CENTER REAR	601
HCS	2	HL CENTER REAR	601
HCS	3	HL SIDE REAR	601
HCS	4	HL SIDE FRONT	601
WCS			
WCS	1	STAGE DSR - REHEARSAL	505
WCS	2	STAGE US AT SHIP DOOR	501
WCS	3	STAGE DSL - RIGGING	504
WCS	4	STAGE USR	501
WCS	5	STAGE USL AT LADDER	503
WCS	6	HOUSE REAR LOFT HR	502
WCS	7	HOUSE REAR LOFT HL	502
WCS	8	BOX BOOM HR	502
WCS	9	BOX BOOM HL	502
WCS	10	FOH CATWALK AT BB HR	502
WCS	11	FOH CATWALK AT BB HL	502
WCS	12	FLY GALLERY DS	501
WCS	13	FLY GALLERY US	503
WCS	14	LOADING GALLERY	502

CIRCUIT DEVICE SUMMARY			
NOTE	LOCATION	FACEPANEL TYPE	
NOTE: PS-8 NOT USED			
PS	1	#2 FOH LIGHTING CATWALK	104
PS	2	#2 FOH LIGHTING CATWALK	106
PS	3	#2 FOH LIGHTING CATWALK	106
PS	4	#2 FOH LIGHTING CATWALK	106
PS	5	#2 FOH LIGHTING CATWALK	106
PS	6	#2 FOH LIGHTING CATWALK	106
PS	7	#2 FOH LIGHTING CATWALK	104
PS	9	#1 ELECTRIC	101
PS	10	#2 ELECTRIC	102
PS	11	#3 ELECTRIC	102
PS	12	#4 ELECTRIC	103
PB	1	FOLLOWSPOT BOOTH	207
PB	2	FOLLOWSPOT BOOTH	207
PB	3	HOUSE REAR LOFT HR	208
PB	4	HOUSE REAR LOFT HL	208
PB	5	#1 FOH LIGHTING CATWALK	201
PB	6	#1 FOH LIGHTING CATWALK	201
PB	7	#1 FOH LIGHTING CATWALK	201
PB	8	#1 FOH LIGHTING CATWALK	201
PB	9	#1 FOH LIGHTING CATWALK	201
PB	10	#1 FOH LIGHTING CATWALK	201
PB	11	BOX BOOM 2 HR	202
PB	12	BOX BOOM 2 HL	202
PB	13	BOX BOOM 1 HR	202
PB	14	BOX BOOM 1 HL	202
PB	15	FLY GALLERY - WORKLIGHTS	203
PB	16	FLY GALLERY	204
PB	17	FLY GALLERY - WORKLIGHTS	203
PB	18	FLY GALLERY - CYC ELECTRIC	205
PB	19	SR WORKLIGHT BATTEN	203
PB	20	SR WORKLIGHT BATTEN	203
PB	21	STAGE DSL	206
PB	22	STAGE DSR	206
PB	23	STAGE MSR	206
PB	24	STAGE USL	206
PB	25	STAGE USC	206
PB	26	STAGE USR	206
PB	27	STAGE FLOOR USL	210
PB	28	STAGE FLOOR USC	210
PB	29	STAGE FLOOR USR	210
PB	30	APRON SL	209
PB	31	APRON SR	209
PB	32	STAGE APRON	209
GLIB	1	LOADING GALLERY - #1 ELEC	
GLIB	2	LOADING GALLERY - #2 ELEC	
GLIB	3	LOADING GALLERY - #3 ELEC	
GLIB	4	LOADING GALLERY - #4 ELEC	

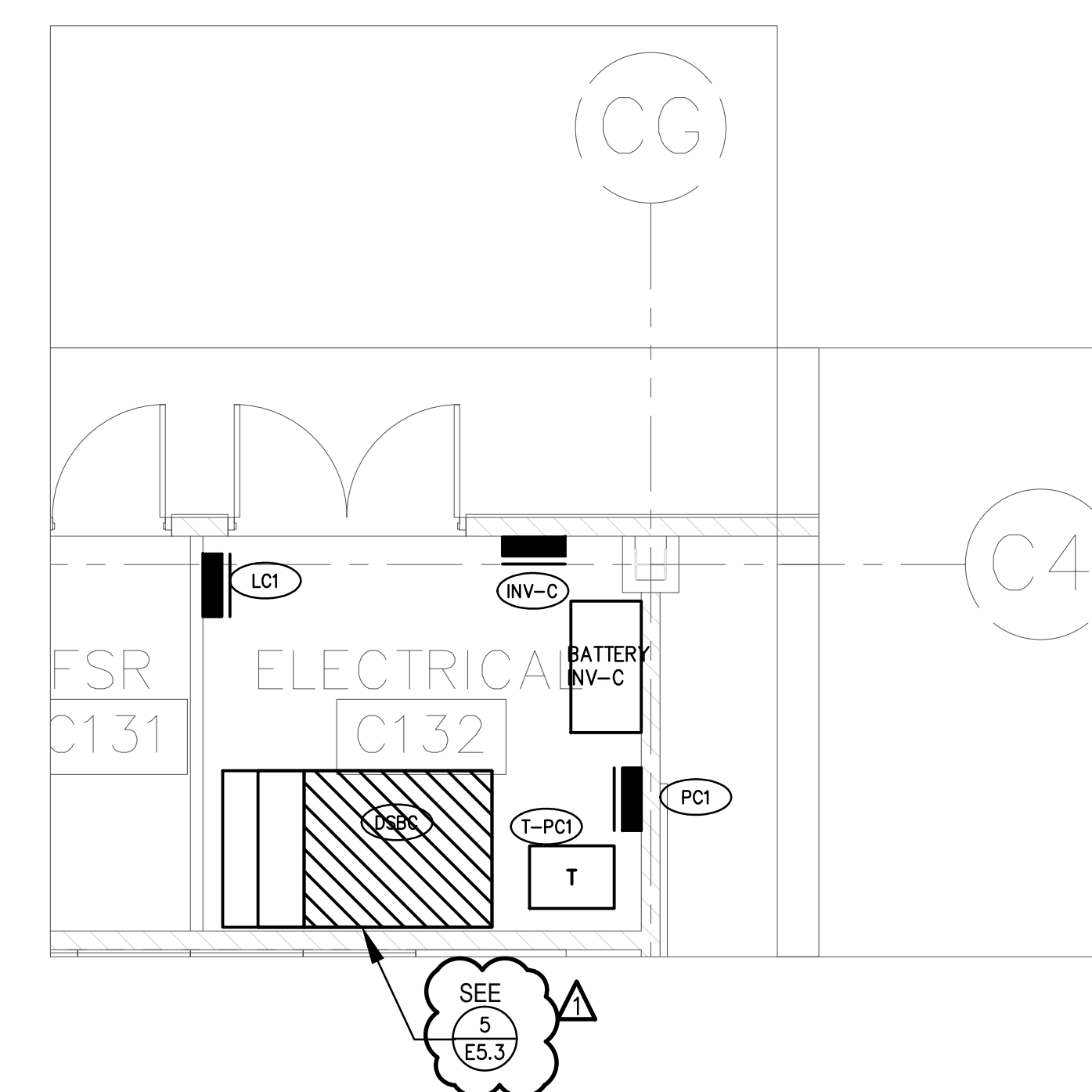
DIMMER RACK MODULE SCHEDULE											
RACK DR1				RACK DR2				RACK DR3			
MODULE TYPE	CIR #	LOCATION	ENCLIC PANIC	MODULE TYPE	CIR#	LOCATION	ENCLIC PANIC	MODULE TYPE	CIR #	LOCATION	ENCLIC PANIC
DIMMER	1	HOUSE REAR LOFTS		DIMMER	97	#3 ELECTRIC		CONSTANT	193	FOLLOWSPOT PLATFORM	
DIMMER	2	HOUSE REAR LOFTS		DIMMER	98	#3 ELECTRIC		CONSTANT	194	FOLLOWSPOT PLATFORM	
DIMMER	3	#2 FOH LIGHTING CATWALK		DIMMER	99	#3 ELECTRIC		CONSTANT	195	FOH LIGHTING CATWALKS	
DIMMER	4	#2 FOH LIGHTING CATWALK		DIMMER	100	#3 ELECTRIC		CONSTANT	196	BOX BOOMS	
DIMMER	5	#2 FOH LIGHTING CATWALK		DIMMER	101	#3 ELECTRIC		CONSTANT	197	#1-2 ELECTRICS	
DIMMER	6	#2 FOH LIGHTING CATWALK		DIMMER	102	#3 ELECTRIC		CONSTANT	198	#3-4 ELECTRICS	
DIMMER	7	#2 FOH LIGHTING CATWALK		DIMMER	103	#3 ELECTRIC		CONSTANT	199	STAGE WALL BOXES	
DIMMER	8	#2 FOH LIGHTING CATWALK		DIMMER	104	#3 ELECTRIC		CONSTANT	200	STAGE WALL BOXES	
DIMMER	9	#2 FOH LIGHTING CATWALK		DIMMER	105	#3 ELECTRIC		CONSTANT	201	STAGE APRON	
DIMMER	10	#2 FOH LIGHTING CATWALK		DIMMER	106	#3 ELECTRIC		DIMMER	202	FLY & LOADING GALLERIES	
DIMMER	11	#2 FOH LIGHTING CATWALK		DIMMER	107	#3 ELECTRIC		DIMMER	203	RUN LTS - LIGHT LOCKS	
DIMMER	12	#2 FOH LIGHTING CATWALK		DIMMER	108	#3 ELECTRIC		DIMMER	204	RUN LTS - STAGE WINGS	
DIMMER	13	#2 FOH LIGHTING CATWALK		DIMMER	109	#3 ELECTRIC		DIMMER	205	RUN LTS - STAGE US	
DIMMER	14	#2 FOH LIGHTING CATWALK		DIMMER	110	#3 ELECTRIC		DIMMER	206	RUN LTS - RIG INDEX LIGHT	
DIMMER	15	#2 FOH LIGHTING CATWALK		DIMMER	111	#3 ELECTRIC		DIM+ RELAY+ CONSTANT	207	SPARE	
DIMMER	16	#2 FOH LIGHTING CATWALK		DIMMER	112	#4 ELECTRIC		DIM+ RELAY+ CONSTANT	208	SPARE	
DIMMER	17	#2 FOH LIGHTING CATWALK		DIMMER	113	#4 ELECTRIC		RELAY	209	HOUSE LIGHTS	X
DIMMER	18	#2 FOH LIGHTING CATWALK		DIMMER	114	#4 ELECTRIC		RELAY	210	HOUSE LIGHTS	X
DIMMER	19	#2 FOH LIGHTING CATWALK		DIMMER	115	#4 ELECTRIC		RELAY	211	HOUSE LIGHTS	X
DIMMER	20	#2 FOH LIGHTING CATWALK		DIMMER	116	#4 ELECTRIC		RELAY	212	HOUSE LIGHTS	X
DIMMER	21	#2 FOH LIGHTING CATWALK		DIMMER	117	#4 ELECTRIC		DIMMER	213	HOUSE - DECORATIVES	X
DIMMER	22	#2 FOH LIGHTING CATWALK		DIMMER	118	#4 ELECTRIC		DIM+ RELAY+ CONSTANT	214	SPARE	X
DIMMER	23	#2 FOH LIGHTING CATWALK		DIMMER	119	#4 ELECTRIC		DIM+ RELAY+ CONSTANT	215	HOUSE - SIDE WALKWAYS	X
DIMMER	24	#2 FOH LIGHTING CATWALK		DIMMER	120	#4 ELECTRIC		DIM+ RELAY+ CONSTANT	216	HOUSE - SIDE WALKWAYS	X
DIMMER	25	#2 FOH LIGHTING CATWALK		DIMMER	121	#4 ELECTRIC		DIM+ RELAY+ CONSTANT	217	SOUNDLIGHT LOCK VESTIBULES	X
DIMMER	26	#2 FOH LIGHTING CATWALK		DIMMER	122	#4 ELECTRIC		DIM+ RELAY+ CONSTANT	218	SPARE	
DIMMER	27	#2 FOH LIGHTING CATWALK		DIMMER	123	#4 ELECTRIC		DIM+ RELAY+ CONSTANT	219	SPARE	
DIMMER	28	#2 FOH LIGHTING CATWALK		DIMMER	124	#4 ELECTRIC		RELAY	220	SPARE	
DIMMER	29	#2 FOH LIGHTING CATWALK		DIMMER	125	#4 ELECTRIC		RELAY	221	WORKS - STAGE S/L LOCKS	X
DIMMER	30	#2 FOH LIGHTING CATWALK		DIMMER	126	#4 ELECTRIC		RELAY	222	SPARE	X
DIMMER	31	#2 FOH LIGHTING CATWALK		DIMMER	127	#4 ELECTRIC		RELAY	223	WORKS - HOUSE REAR LOFTS	X
DIMMER	32	#2 FOH LIGHTING CATWALK		DIMMER	128	FLY GALLERY		RELAY	224	WORKS - FOH CATWALKS	X
DIMMER	33	#1 FOH LIGHTING CATWALK		DIMMER	129	FLY GALLERY		RELAY	225	WORKS - BOX BOOM HR	X
DIMMER	34	#1 FOH LIGHTING CATWALK		DIMMER	130	FLY GALLERY		RELAY	226	WORKS - BOX BOOM HL	X
DIMMER	35	#1 FOH LIGHTING CATWALK		DIMMER	131	FLY GALLERY		RELAY	227	WORKS - STAGE WALLS	X
DIMMER	36	#1 FOH LIGHTING CATWALK		DIMMER	132	STAGE WALL - DSL		RELAY	228	WORKS - FLY GALLERY	X
DIMMER	37	#1 FOH LIGHTING CATWALK		DIMMER	133	STAGE WALL - DSL		RELAY	229	WORKS - LOADING GALLERY	X
DIMMER	38	#1 FOH LIGHTING CATWALK		DIMMER	134	STAGE WALL - DSL		RELAY	230	SPARE	
DIMMER	39	BOX BOOM 2 HR		DIMMER	135	STAGE WALL - DSL		AIRFLOW	231		



THEATER BUILDING - ENLARGED ELECTRICAL & DATA ROOM PLANS
 (SEE SHEET ET2.1 FOR LOCATION) 1/4" = 1'-0" 3



ADMIN. BUILDING - ENLARGED ELECTRICAL & MDF ROOM PLANS
 (SEE SHEET EA2.1 FOR LOCATION) 1/4" = 1'-0" 1

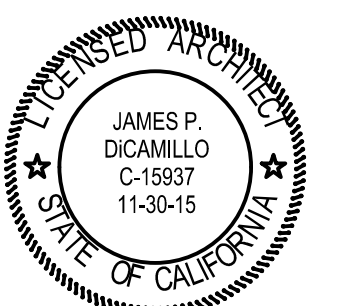


CLASSROOM BUILDING - ENLARGED ELECTRICAL ROOM PLAN
 (SEE SHEET EA2.1 FOR LOCATION) 1/4" = 1'-0" 2

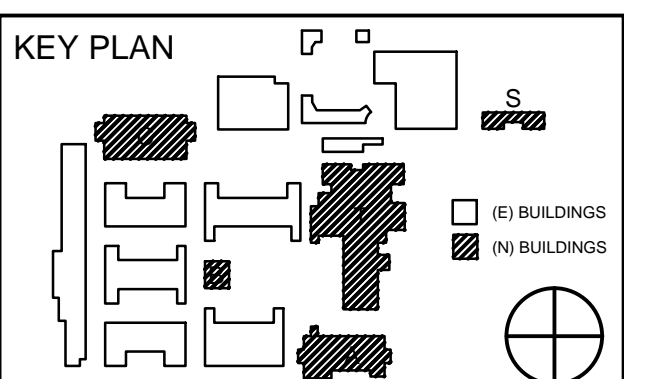
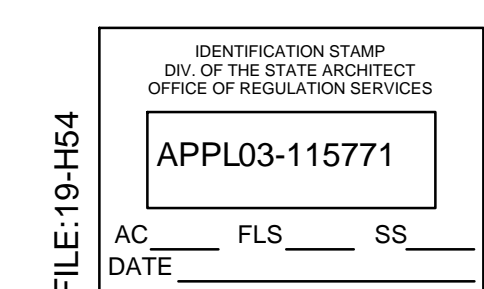
ROWLAND HIGH SCHOOL ADDITION

ROWLAND UNIFIED SCHOOL DISTRICT

2000 OTTERBEIN AVE
 ROWLAND HEIGHTS, CALIFORNIA



CONSULTANT



REVISION SCHEDULE		
NO	DATE	DESCRIPTION
	02/17/2014	100% DESIGN DEVELOPMENT
	05/08/2014	90% CD PROGRESS
	05/29/2014	DSA SUBMITTAL
	04/08/2015	DSA BACK CHECK
▲	12/12/2015	ADDENDUM 1

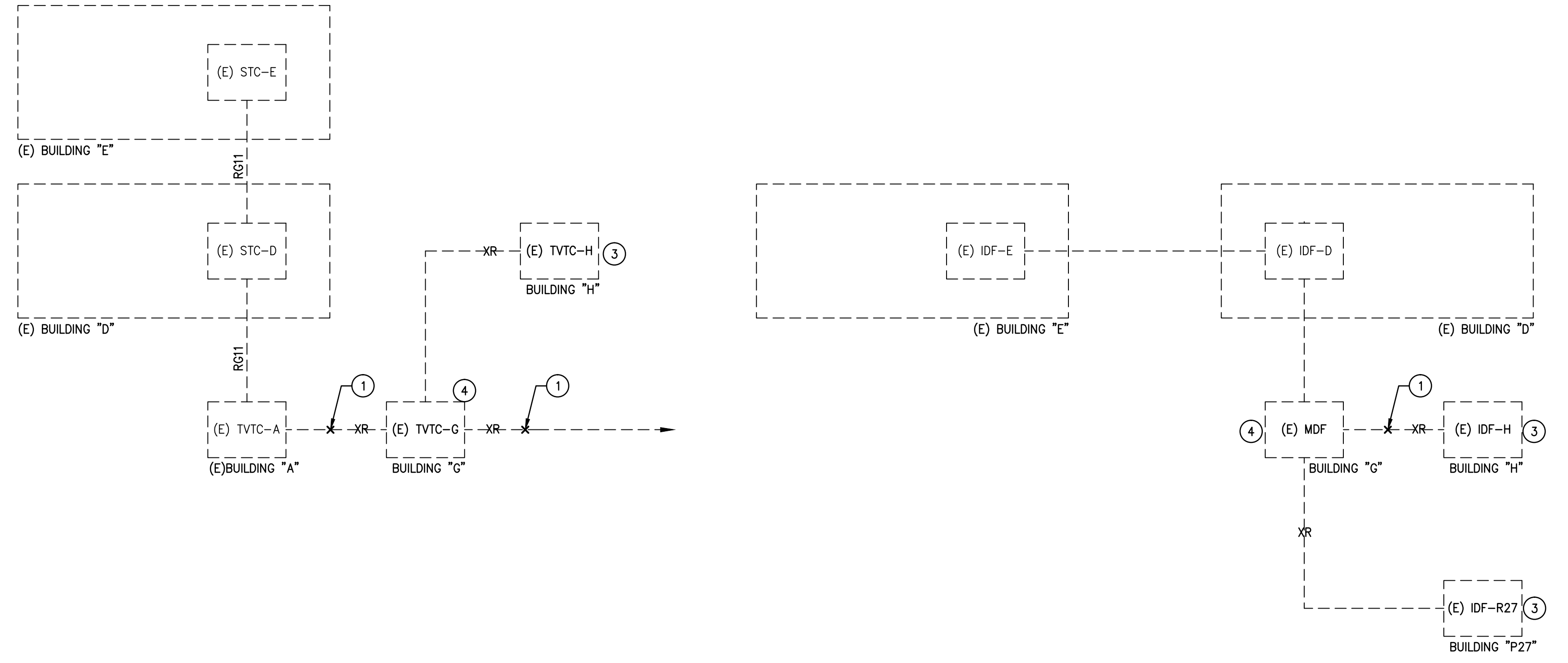
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 DATE: 04/08/2015 SCALE:
 PROJECT NUMBER: 1310700

ENLARGED ELECTRICAL DETAILS

DRAWING NUMBER: **E5.10**

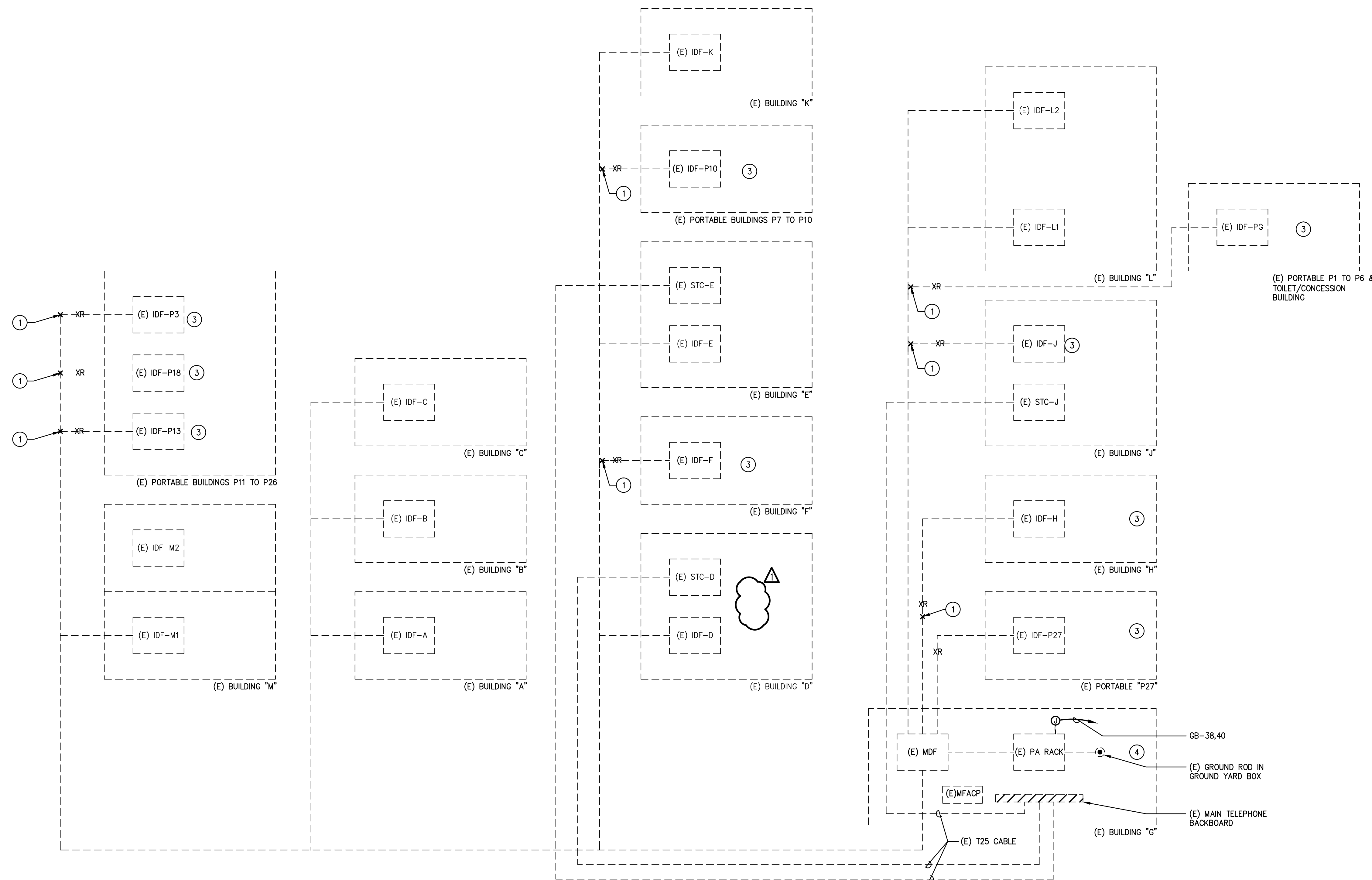
DEMOLITION SIGNAL RISER DIAGRAM PLAN NOTES

- 1 DEMO CONDUIT TO THIS "X" MARK APPROXIMATE LOCATION TO THE NEAREST PULLBOX UP TO BLDG.
- 2 RELOCATE ALL EXISTING ELECTRICAL EQUIPMENT SHOWN TO TEMPORARY NEW PORTABLE BUILDING TO BE PROVIDED AND LOCATION BY THE DISTRICT.
- 3 DEMO EXISTING.
- 4 PROVIDE TEMPORARY LOCATION FOR EXISTING MDF, PA RACK, MAIN TELEPHONE BACKBOARD, CATV, AND MAIN FIRE ALARM CONTROL PANEL "MFCP" AND EXTEND ALL CONDUIT FEED AND CABLES TO NEW TEMPORARY LOCATION. COORDINATE TEMP LOCATION WITH ARCHITECT.



DEMOLITION CATV SYSTEM RISER DIAGRAM
NONE 3

DEMOLITION DATA RISER DIAGRAM
NONE 1

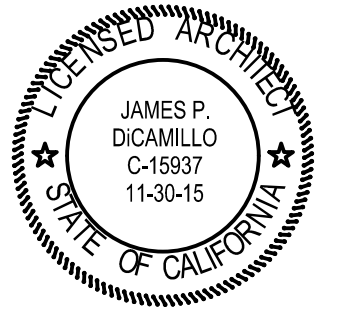


DEMOLITION PA, CLOCK & TELEPHONE RISER DIAGRAM
NONE 2



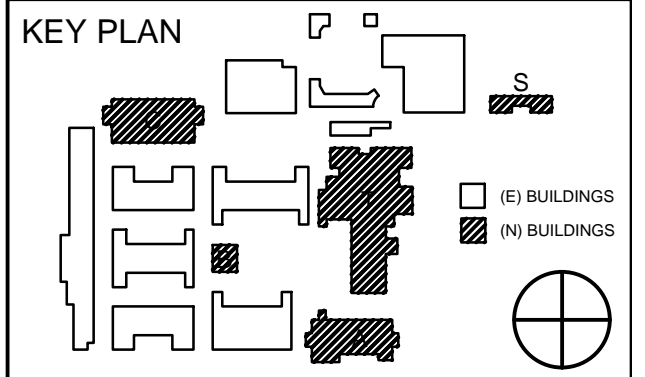
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OFFICE OF REGULATION SERVICES
APPL03-115771
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DATE _____



REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

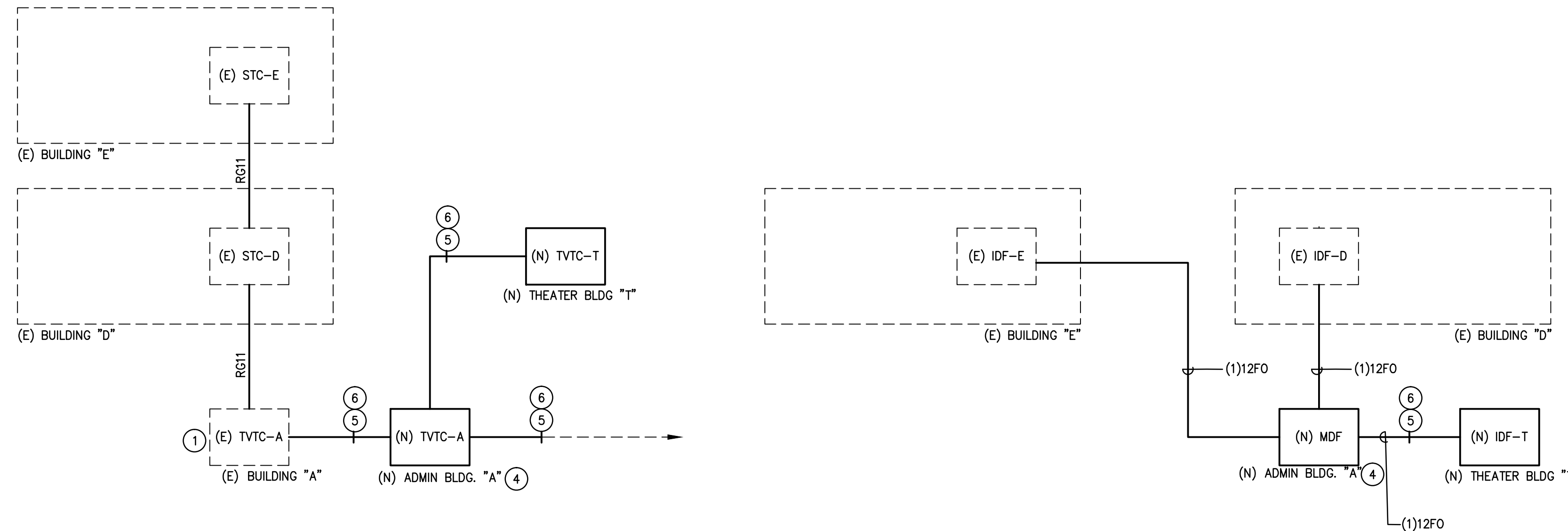
DRWN: _____ CHKD: _____
DATE: 04/08/2015 SCALE: _____
PROJECT NUMBER: 1310700

DEMO
SIGNAL RISER
DIAGRAM

DRAWING NUMBER: **E6.1D**

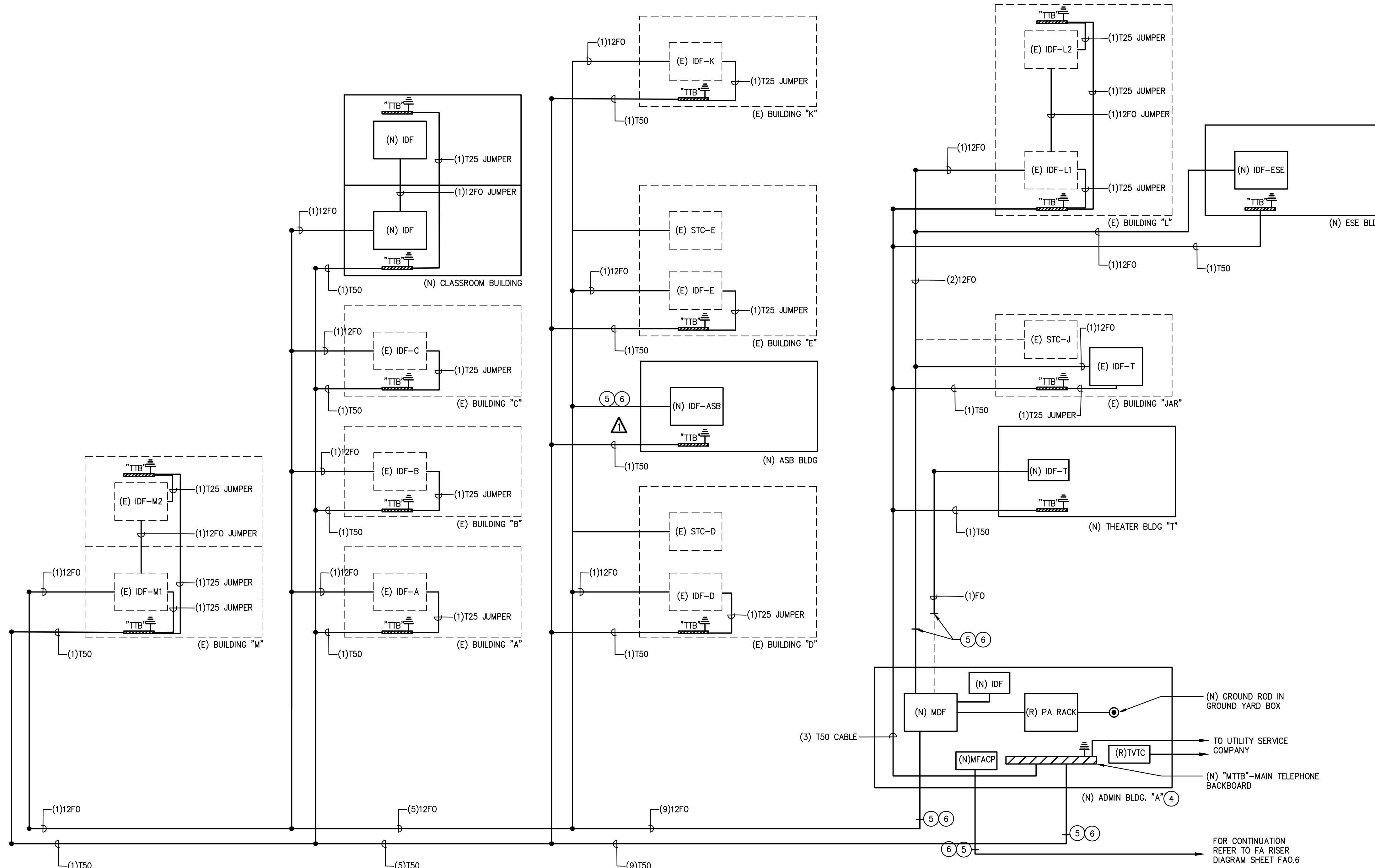
SIGNAL RISER DIAGRAM PLAN NOTES

- 1 REFER TO PLAN NOTE 16 ON SHEET E1.2D.
- 2 RELOCATE ALL EXISTING ELECTRICAL EQUIPMENT SHOWN TO TEMPORARY NEW PORTABLE BUILDING TO BE PROVIDED AND LOCATION BY THE DISTRICT.
- 3 DEMO EXISTING.
- 4 RELOCATE ALL ELECTRICAL EQUIPMENT SHOWN FROM TEMPORARY LV BUILDING (2/E1.3) TO NEW BUILDING "A".
- 5 EXTEND CONDUIT AND CABLE CONDUCTORS AS REQUIRED, MATCH EXISTING.
- 6 REFER TO SIGNAL SITE PLAN E1.2 & E1.2D FOR UNDERGROUND CONDUITS.



CATV SYSTEM RISER DIAGRAM
NONE 3

DATA RISER DIAGRAM
NONE 1



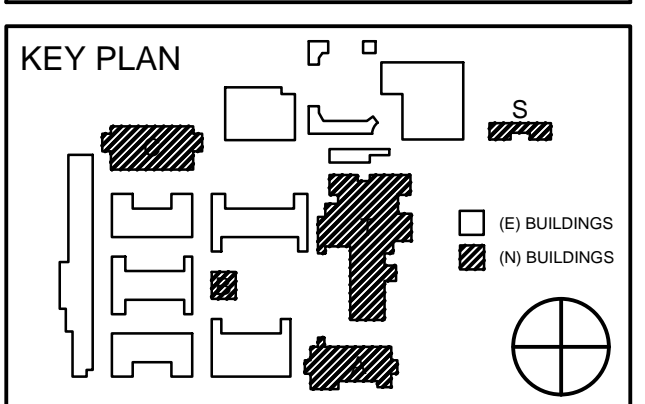
DATA, PA, CLOCK & TELEPHONE RISER DIAGRAM
NONE 2

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REVISION SCHEDULE

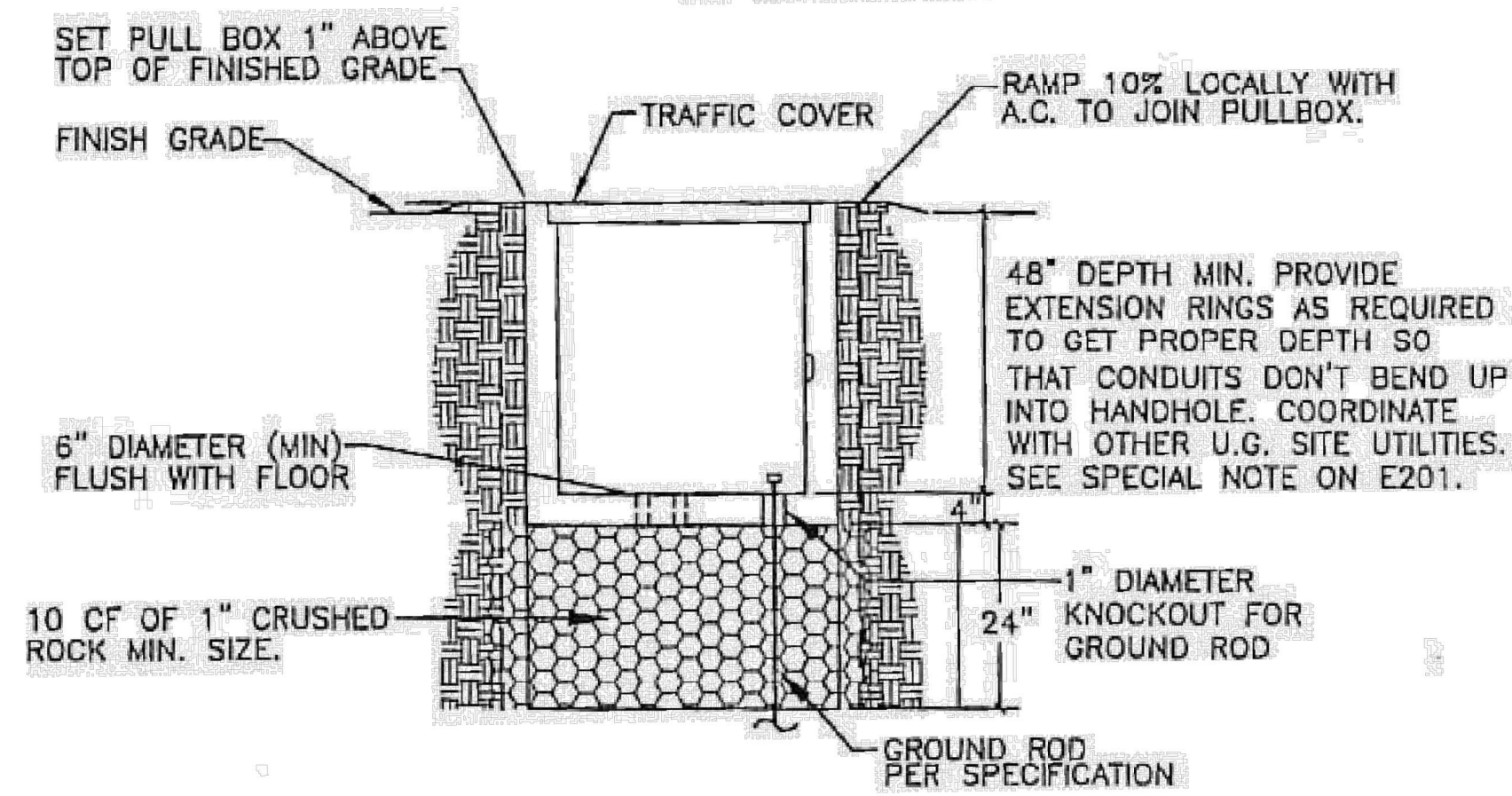
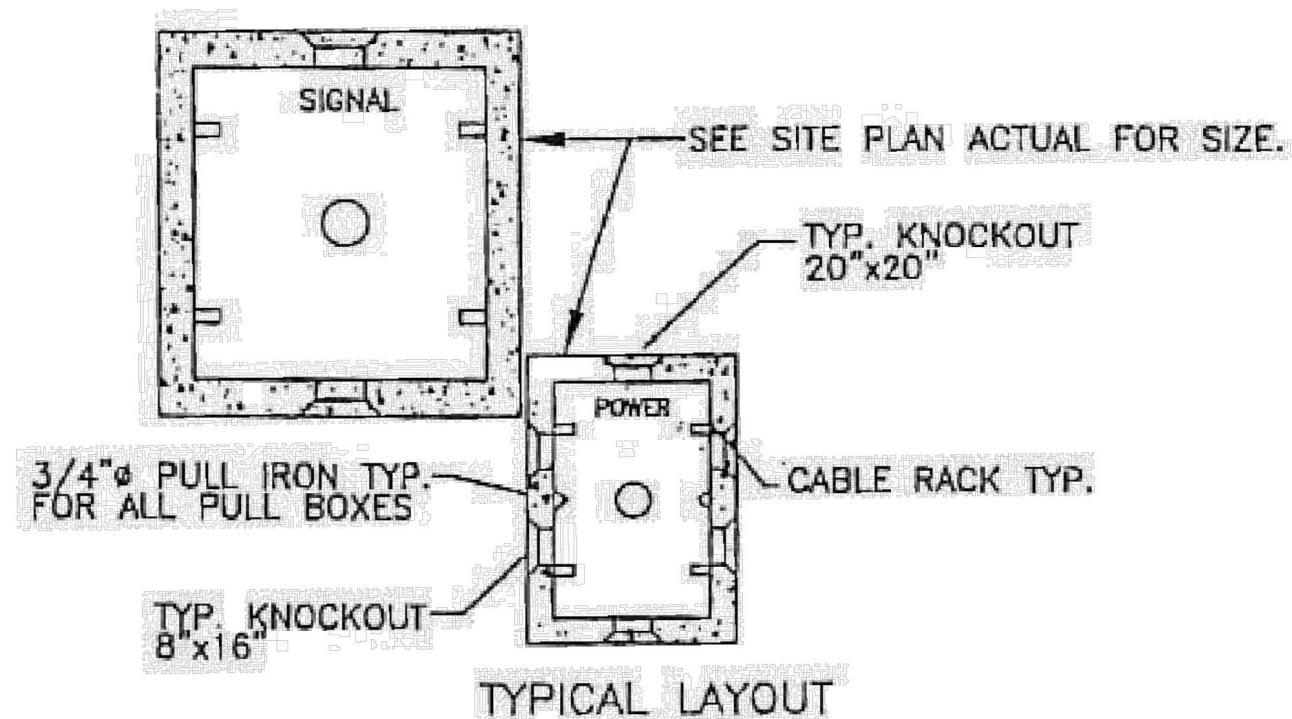
NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN:	CHKD:
DATE: 04/08/2015	SCALE:
PROJECT NUMBER: 1310700	

SIGNAL RISER DIAGRAM

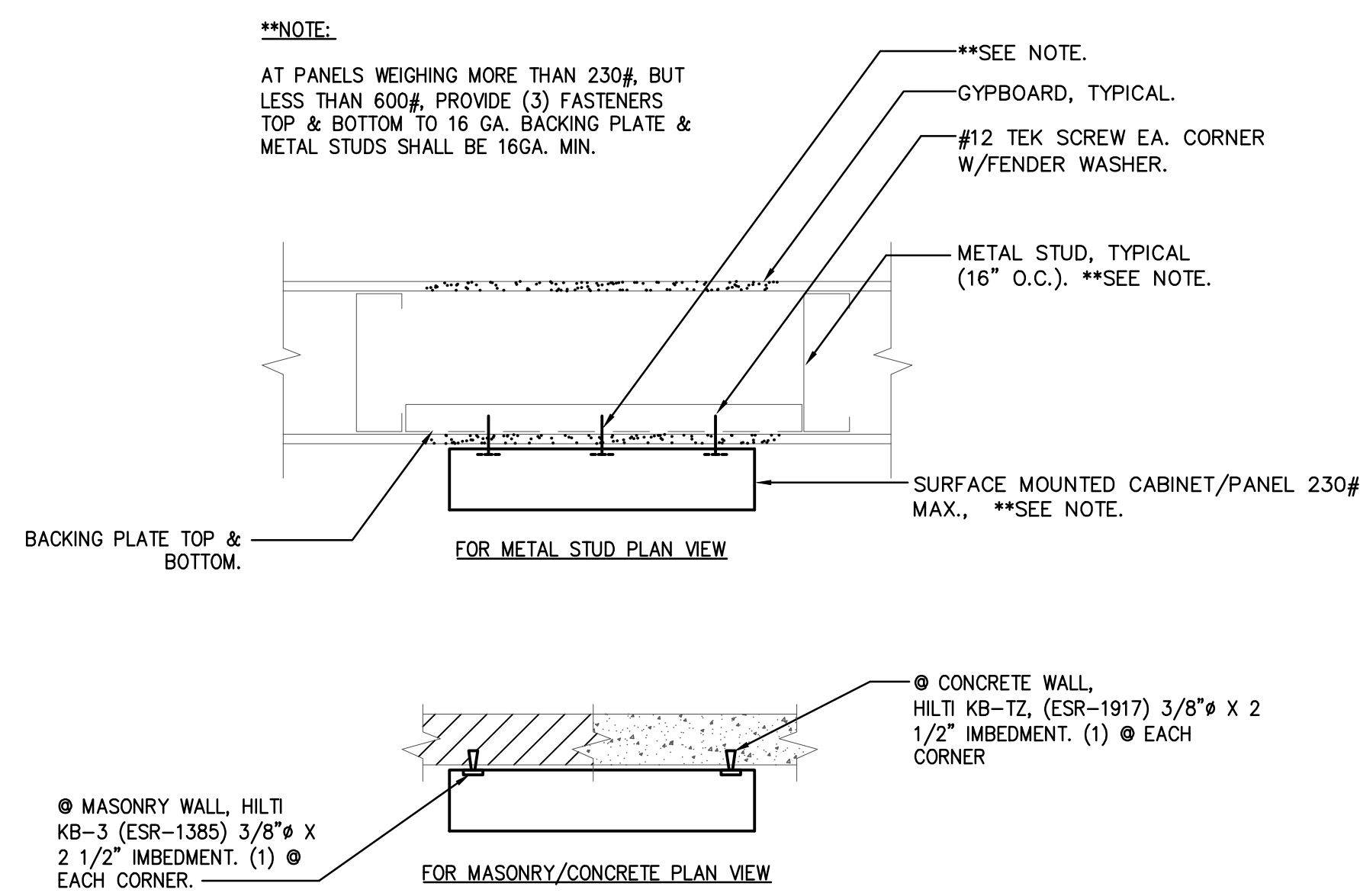
DRAWING NUMBER: **E6.1**

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EXISTING PRECAST CONCRETE PULL BOXES DETAILS

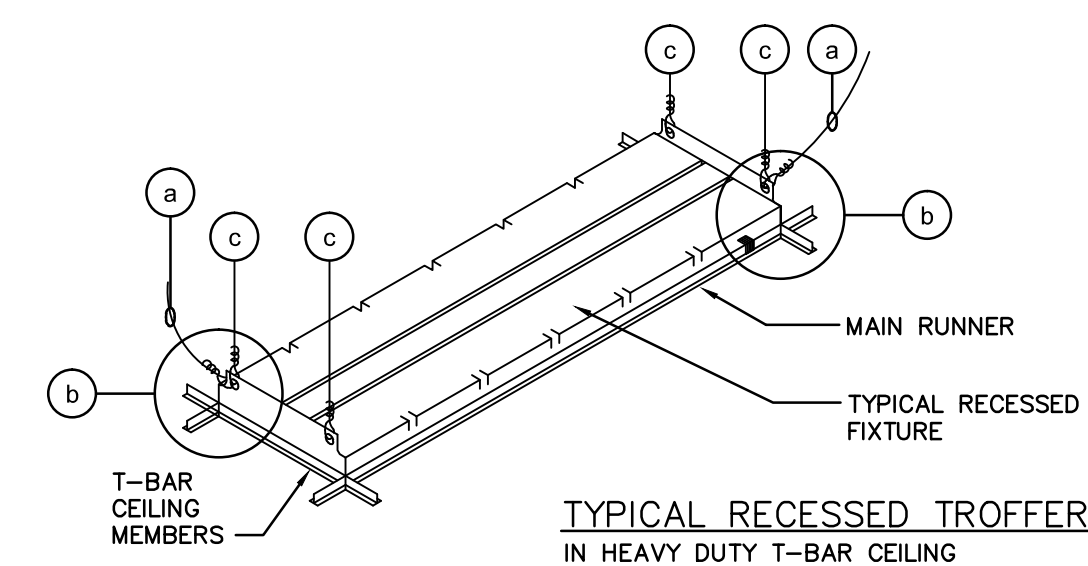
SCALE NTS 7



SURFACE MOUNTED PANEL & TERMINAL CABINET ANCHORAGE

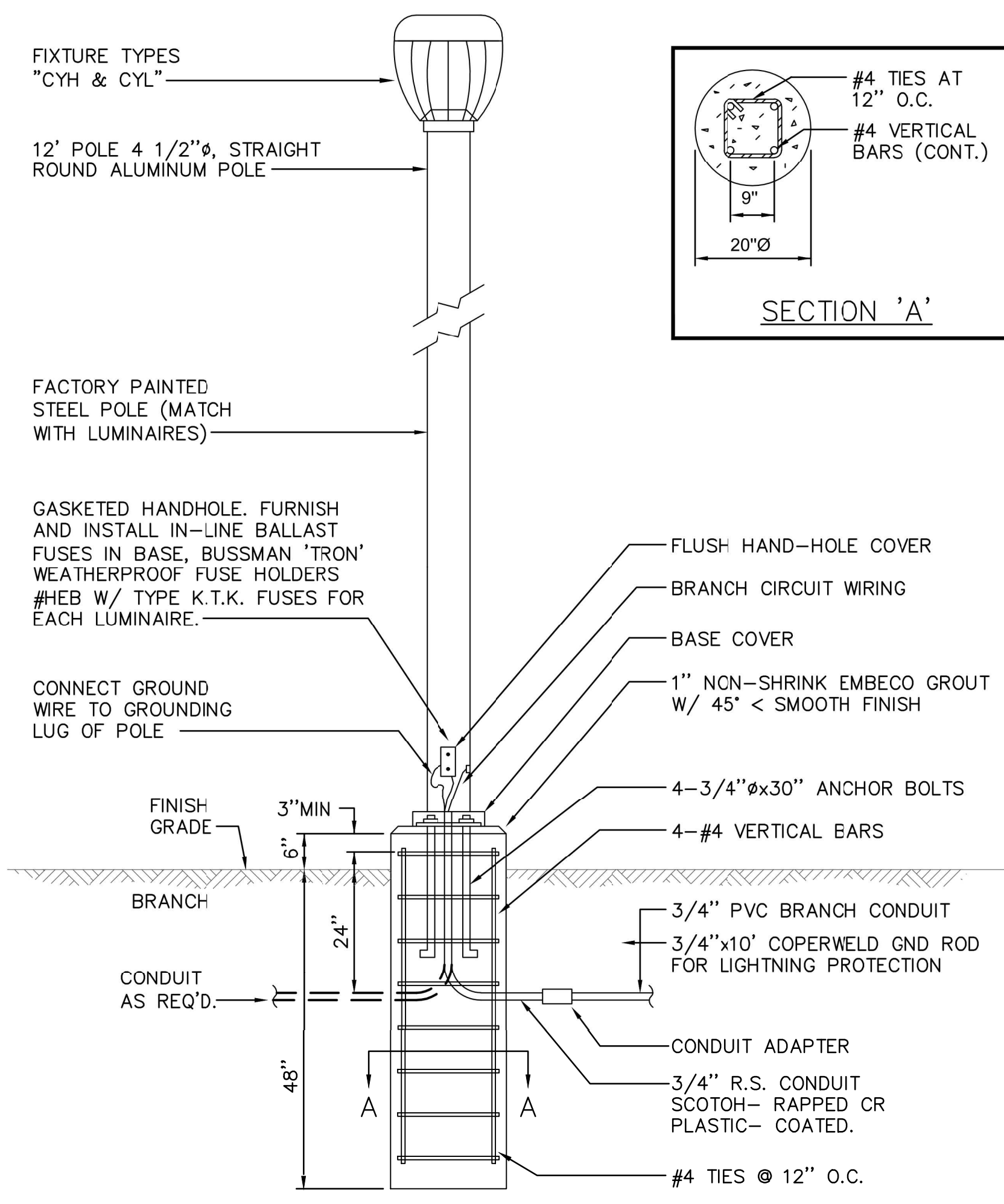
SCALE NTS 4

- FOR FIXTURES WEIGHING LESS THAN 56 POUNDS
- (A) MINIMUM TWO #12 GAUGE SLACK WIRE AT 45 DEGREES FROM OPPOSITE FIXTURE CORNERS TO STRUCTURE ABOVE. ATTACH DIRECTLY TO FIXTURE WITH 3 TURN TIGHT WRAP MINIMUM. ATTACH TO STRUCTURE PER ACOUSTICAL CEILING ATTACHMENT DETAILS. SET WIRE SLIGHTLY SLACK, TO ALLOW FULL SEATING INTO T-BAR.
 - (B) POSITIVELY ATTACH FIXTURE WITH METAL SCREW THROUGH T-BAR INTO FIXTURE AT OPPOSITE CORNERS.
- FOR FIXTURES WEIGHING 56 POUNDS OR MORE
- (C) 12 GAUGE SUPPORT WIRES WITH THREE TURN TIGHT WRAP (WITHIN 1 1/2") MINIMUM AT EACH END. ATTACH TO STRUCTURE DIRECTLY ABOVE PER CEILING SUSPENSION DETAILS (4 PER FIXTURE).
- PENDANT HUNG FIXTURES
- (C) 9 GAUGE SUPPORT WIRES WITH THREE TURN TIGHT WRAP (WITHIN 1 1/2") MINIMUM AT EACH END. ATTACH TO STRUCTURE DIRECTLY ABOVE PER CEILING SUSPENSION DETAILS.



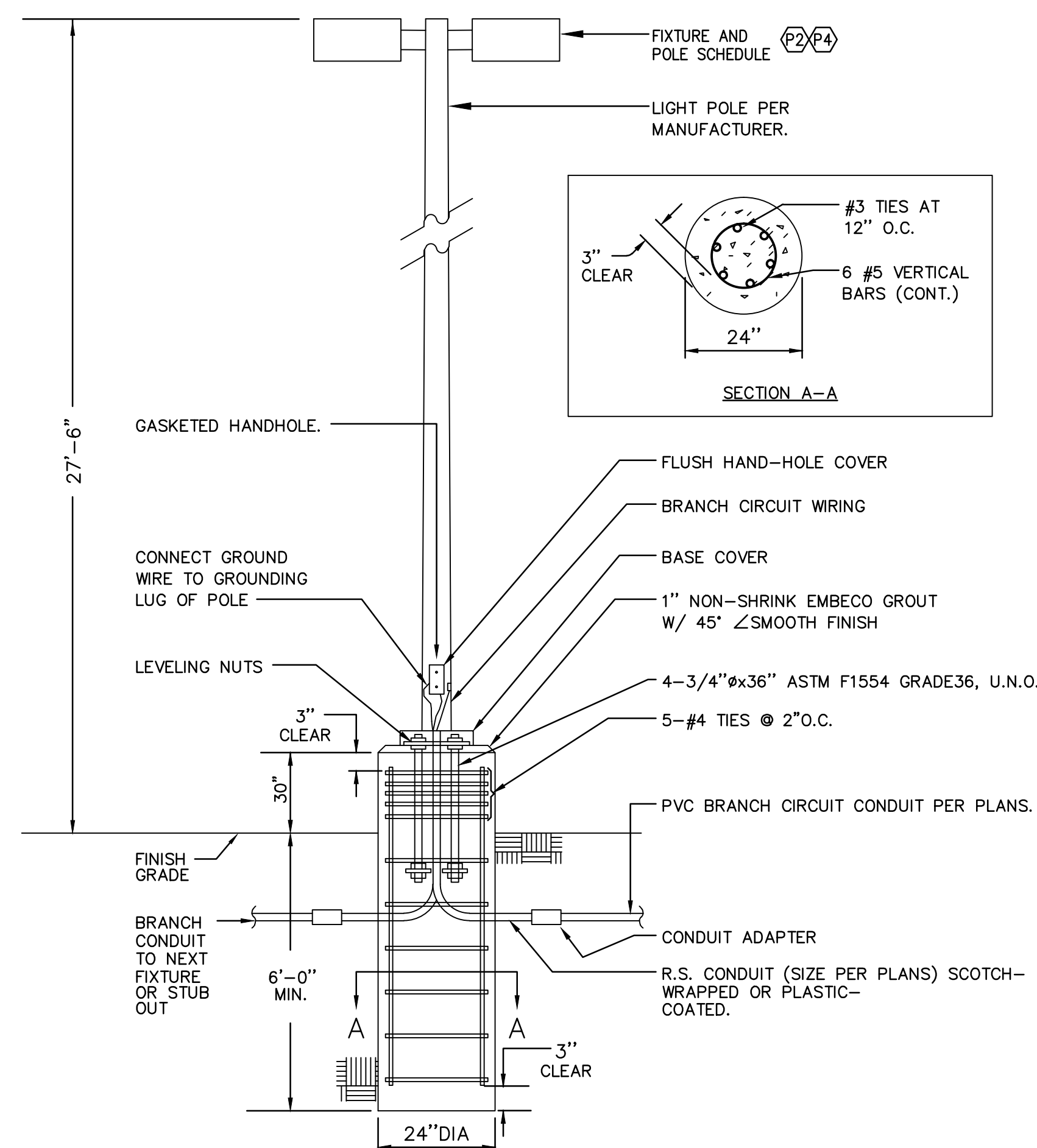
RECESSED TROFFER FIXTURE MOUNTING DETAIL

SCALE NTS 3



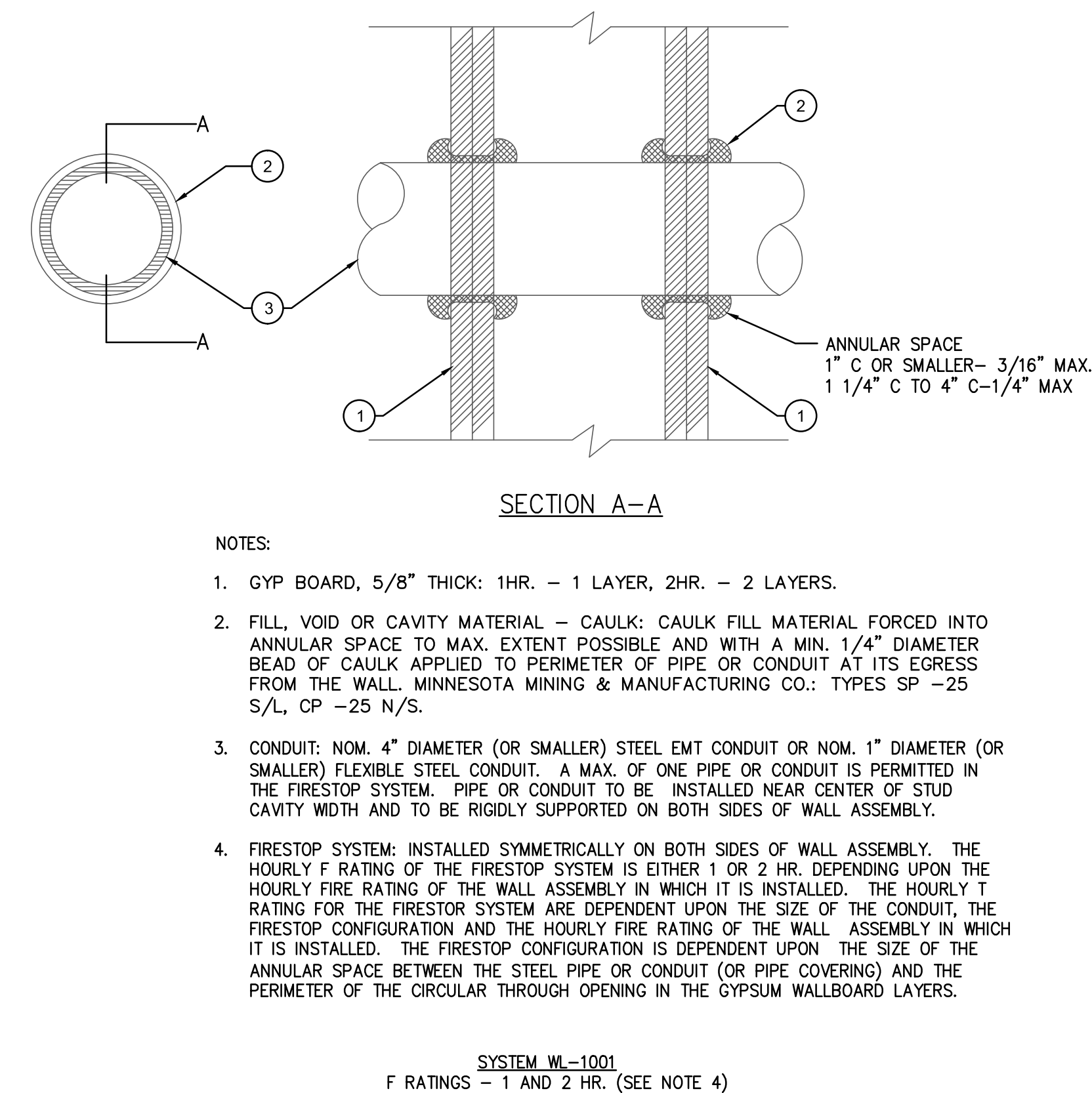
COURTYARD POLE MOUNTED FIXTURE DETAIL

SCALE NTS 8



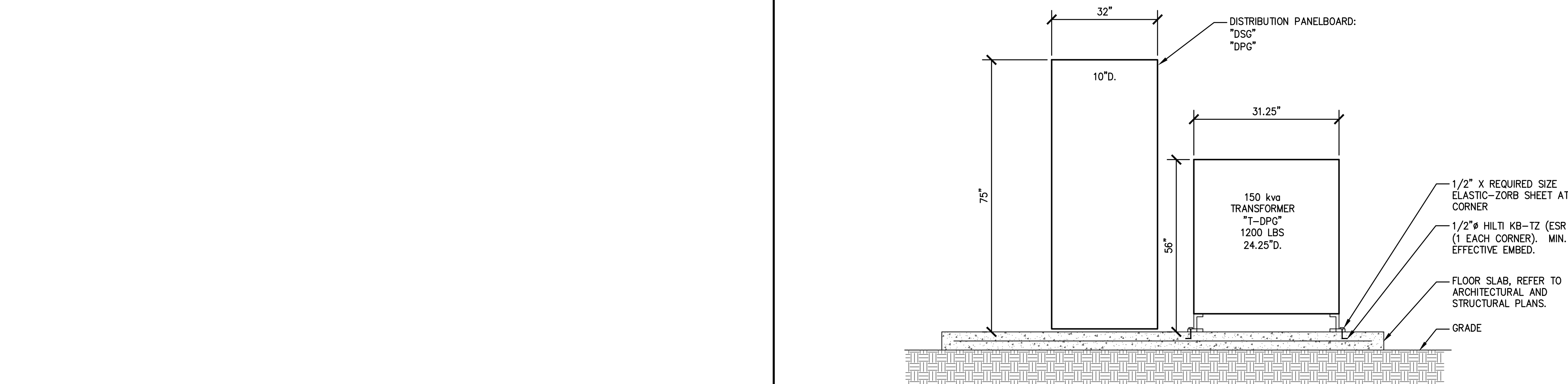
PARKING LOT LIGHTING POLE BASE DETAIL

SCALE NTS 5



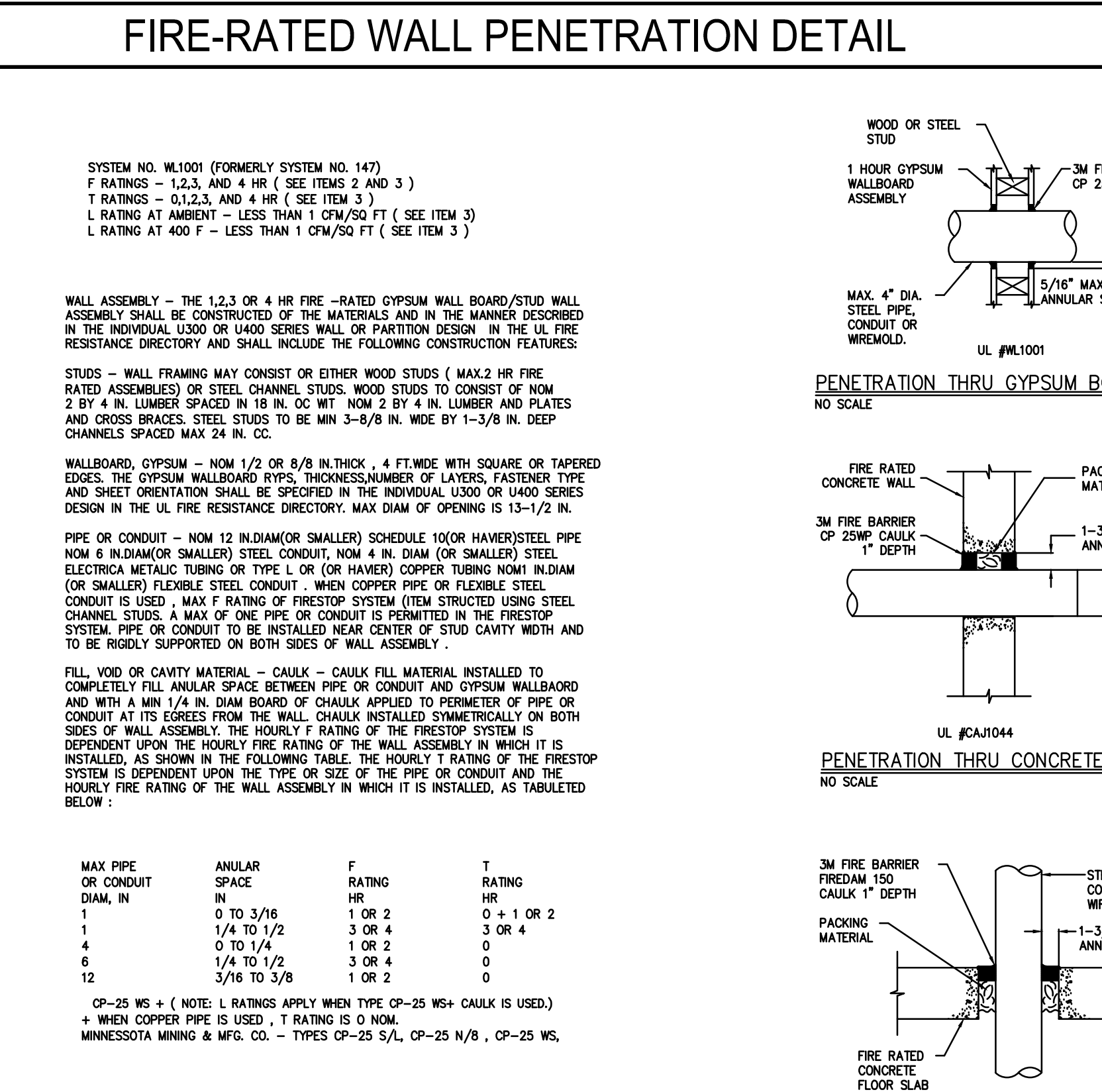
FIRE-RATED WALL PENETRATION DETAIL

SCALE NTS 2



DISTRIBUTION PANEL AND TRANSFORMER ANCHORAGE DETAIL

SCALE NTS 6



TYPICAL CONDUIT THRU FIRE-RATED WALLS / FLOORS

SCALE NTS 3

ARCHITECTS

WLC

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CALIFORNIA 91730-0729

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ROWLAND HIGH SCHOOL ADDITION

ROWLAND UNIFIED SCHOOL DISTRICT

2000 OTTERBEIN AVE
ROWLAND HEIGHTS, CALIFORNIA

REGISTERED ARCHITECT

JAMES P. DICAMILLO
C-19011
11-30-15

STATE OF CALIFORNIA

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FILE: 19-1154

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APPL03-115771

AC FLS SS

DATE

KEY PLAN

(B) BUILDINGS
(R) BUILDINGS

REVISION SCHEDULE

NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

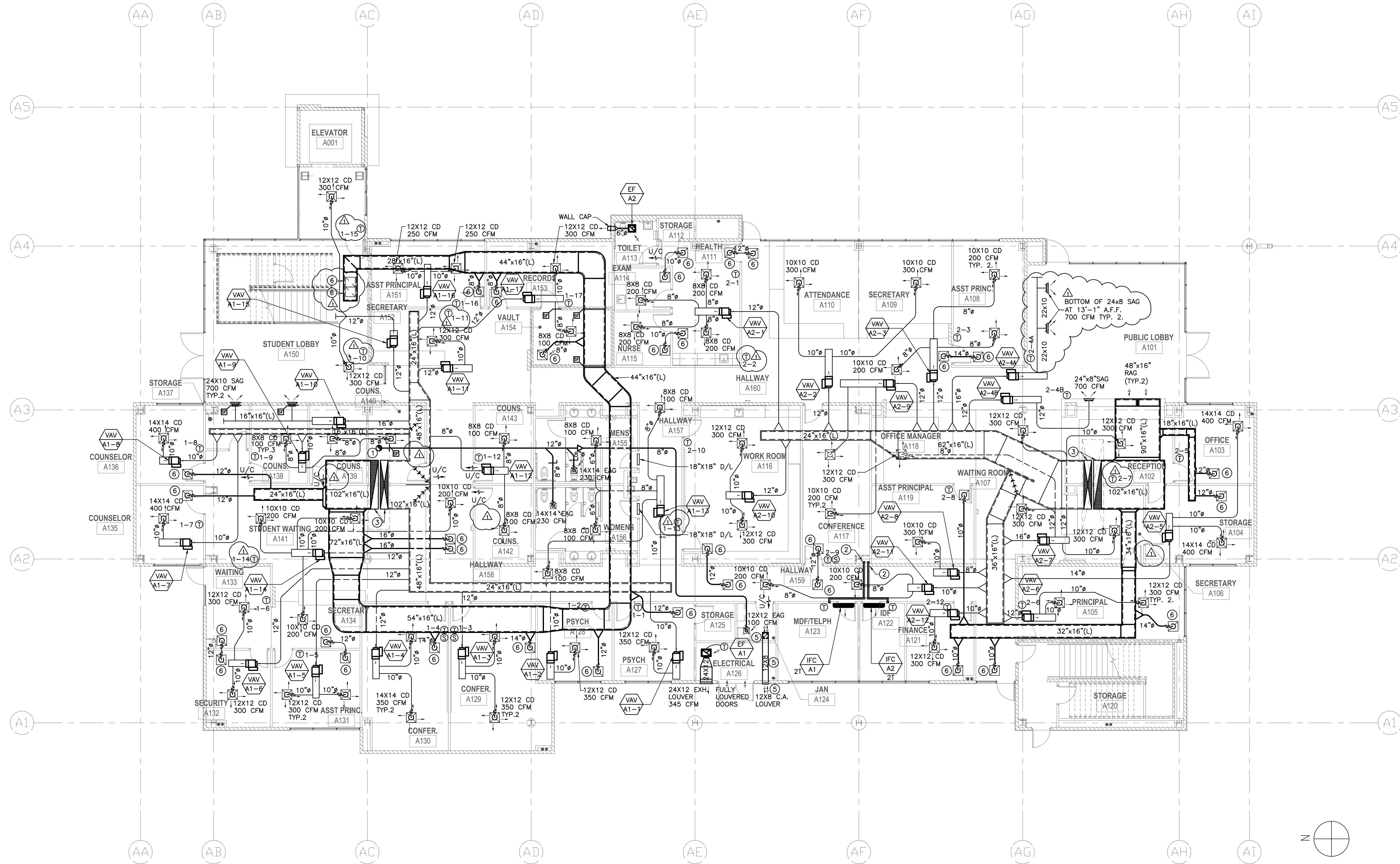
DRWN: CHKD:

DATE: 04/08/2015 SCALE:

PROJECT NUMBER: 1310700

ANCHORAGE DETAILS

DRAWING NUMBER: **E7.1**



MECHANICAL ADMINISTRATION BUILDING FIRST FLOOR PLAN 1
1/8" = 1'-0"

KEYED CONSTRUCTION NOTES:

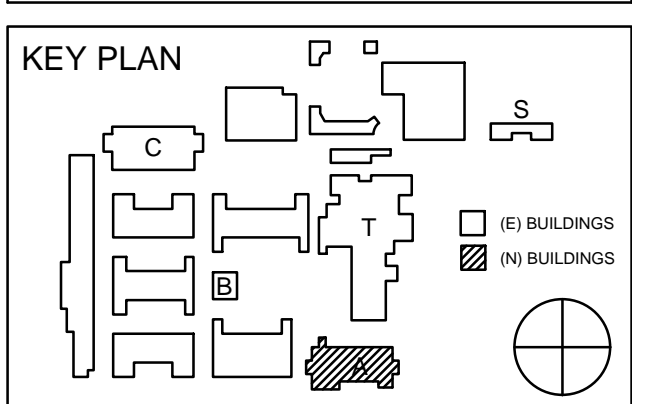
- ① 12" DIAMETER EXHAUST DUCT UP THRU SECOND FLOOR.
- ② REFRIGERANT LINES AND CONTROLS CONDUIT UP THRU SECOND FLOOR.
- ③ 102"x16"(L) SUPPLY AND RETURN RISERS U.T.R.
- ④ 102"x16"(L) SUPPLY AND RETURN RISERS U.T.R.
- ⑤ PROVIDE ONE HIGH 10X10 COMBUSTION CEILING GRILLE FOR SERVICE WATER HEATER WH-1A (SEE PLUMBING FLOOR PLAN 3/PA2.D.), AND 12X8 COMBUSTION AIR DUCT RUNNING ABOVE CEILING, TERMINATING AT 12X8 EXTERIOR WALL LOUVER WITH 33% MINIMUM FREE AREA.
- ⑥ 22X22 RETURN OR TRANSFER GRILLE.

ROWLAND HIGH SCHOOL ADDITION
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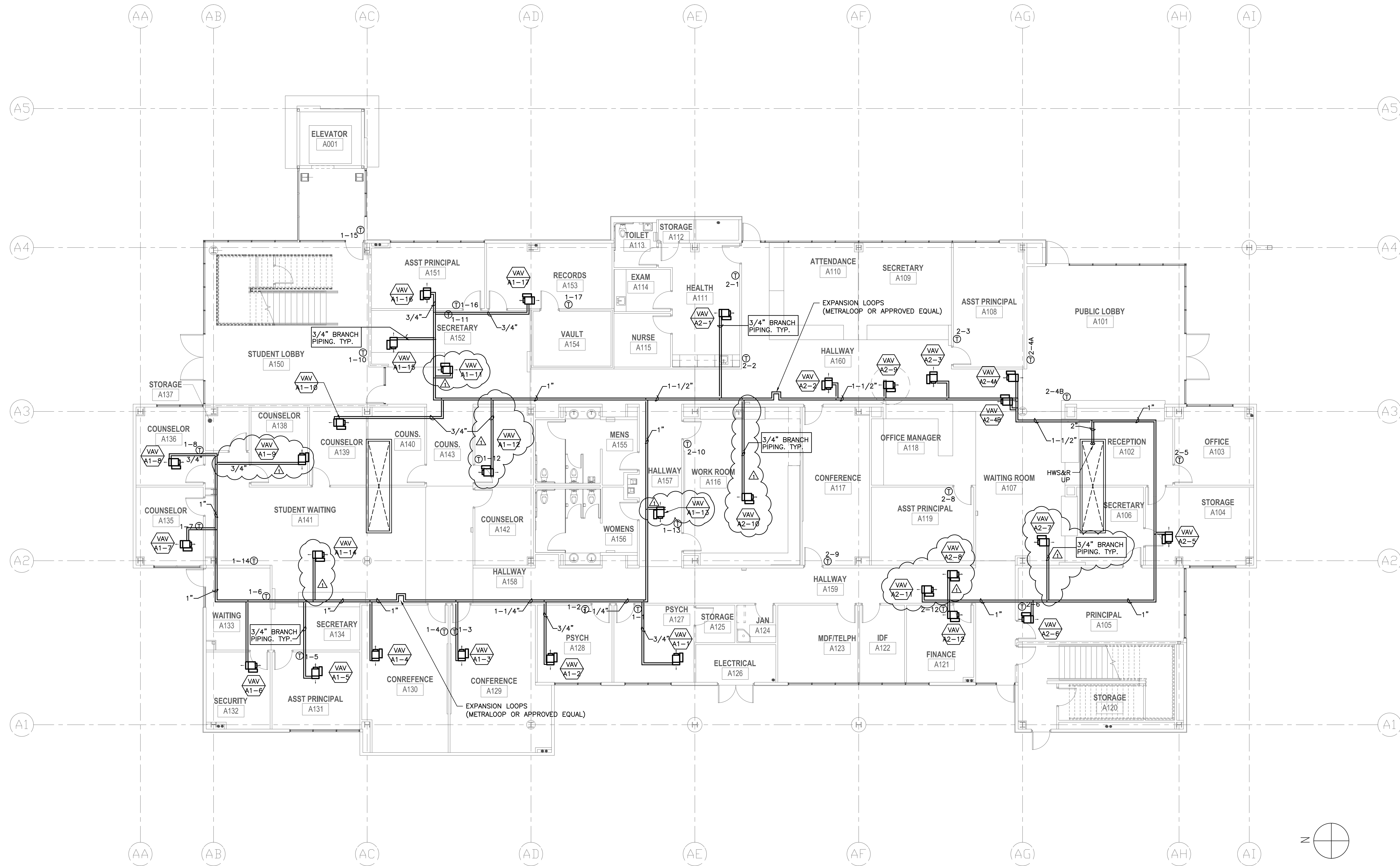


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
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05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN: D.T.	CHKD: T.K.
DATE: 04/08/2015	SCALE:
PROJECT NUMBER: 1310700	

**ADMIN BLDG.
FIRST FLOOR
MECHANICAL PLAN**

DRAWING NUMBER: **MA2.1**



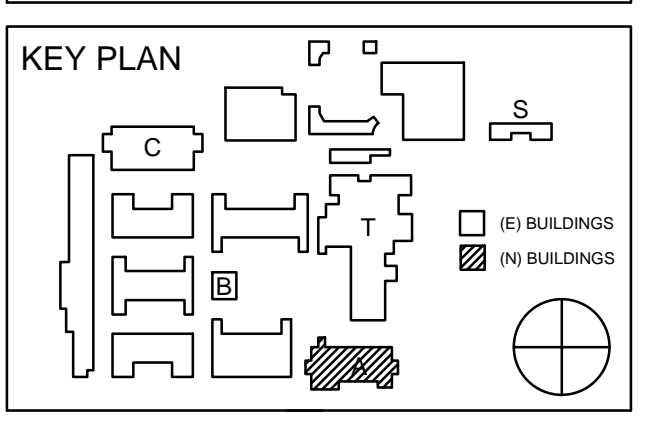
MECHANICAL PIPING ADMINISTRATION BUILDING FIRST FLOOR PLAN 1
1/8" = 1'-0"

ROWLAND HIGH SCHOOL ADDITION
ROWLAND UNIFIED SCHOOL DISTRICT
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ROWLAND HEIGHTS, CALIFORNIA



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04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

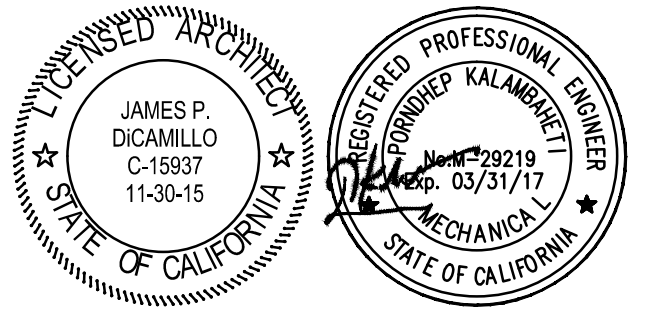
DRWN: D.T.	CHKD: T.K.
DATE: 04/08/2015	SCALE:
PROJECT NUMBER: 1310700	

ADMIN BLDG. FIRST FLOOR MECHANICAL PIPING PLAN

DRAWING NUMBER: **MA2.1-P**

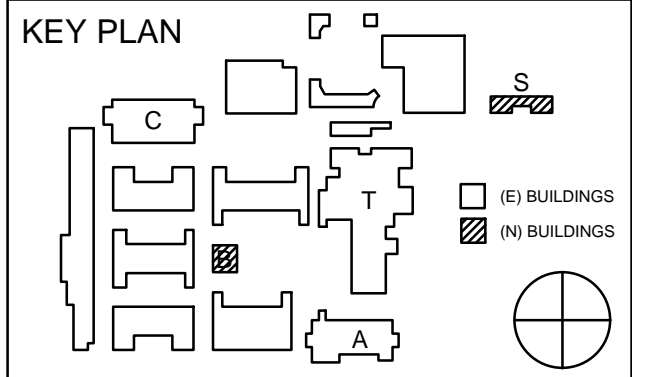
\\FS01\Shared\PROJECTS\2013_Jobs\131070 - Rowland Heights HS-Renovations\CAD\WMA2.1-P_ADMINISTRATION_1ST.dwg

ROWLAND HIGH SCHOOL ADDITION
ROWLAND UNIFIED SCHOOL DISTRICT
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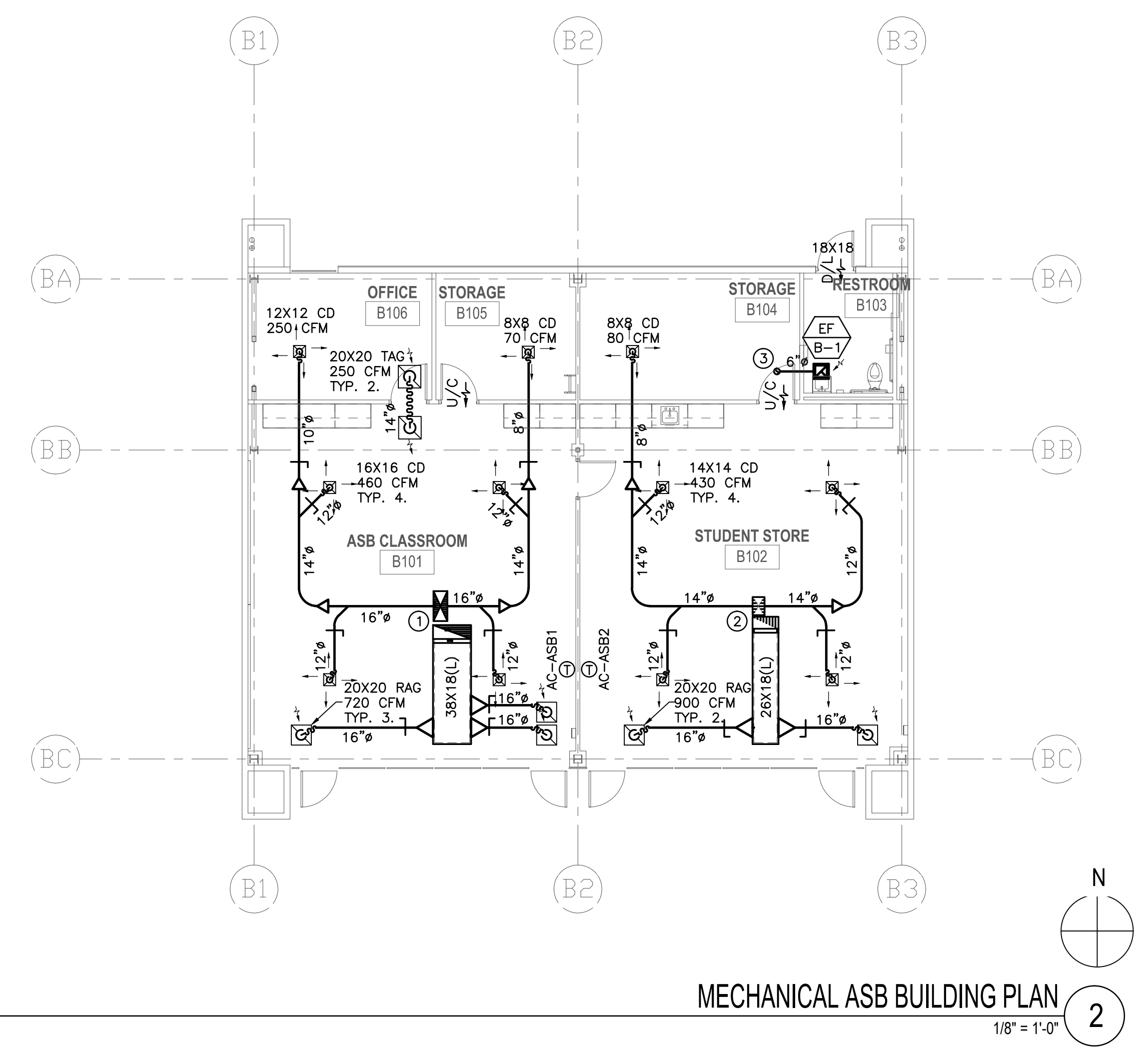


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02/17/2014		100% DESIGN DEVELOPMENT
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05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: R.M CHKD: F.T
DATE: 04/08/2015 SCALE:
PROJECT NUMBER: 1310700

**ASB & SPECIAL ED
BLDG. MECHANICAL
FLOOR PLANS**

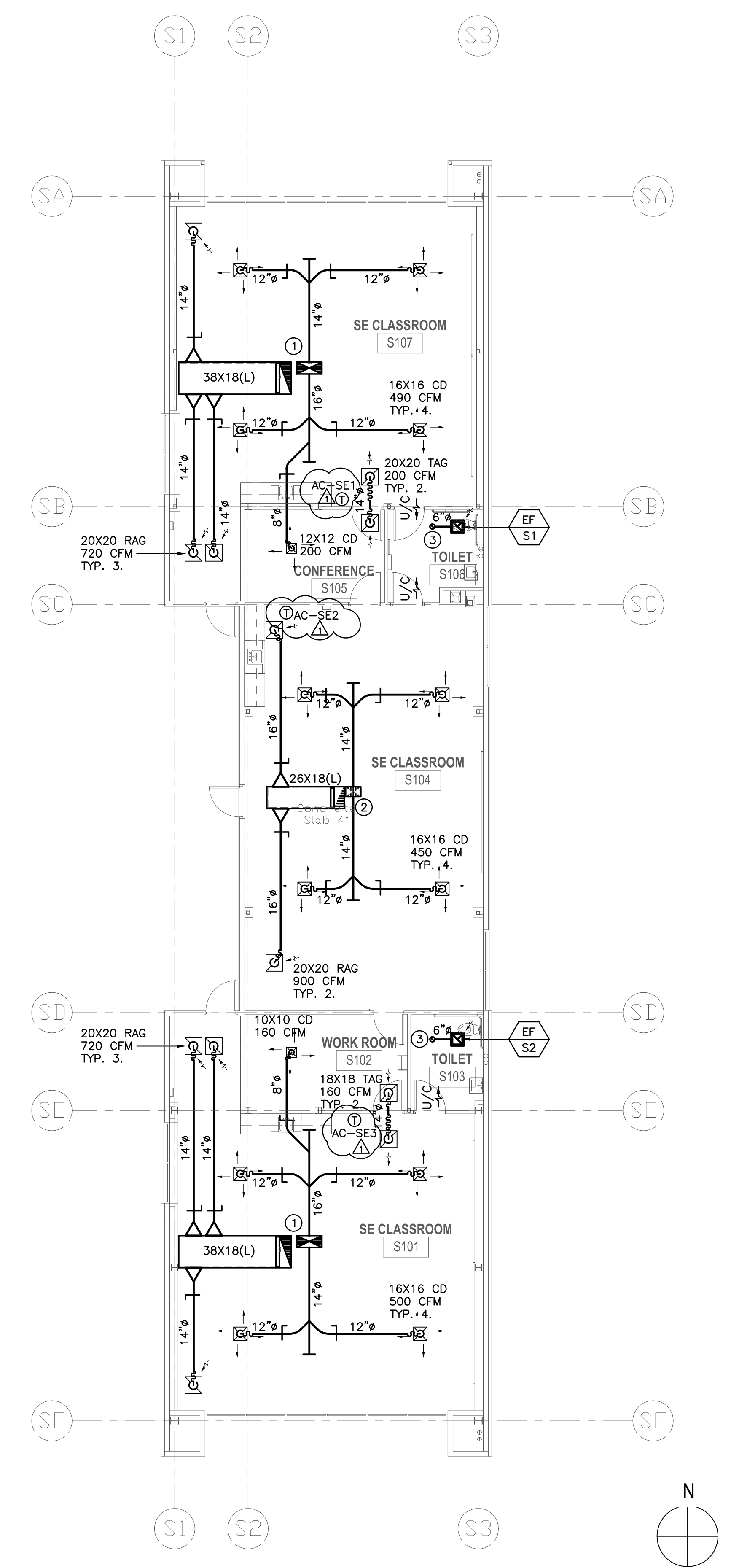
DRAWING NUMBER: **MS2.1**



MECHANICAL ASB BUILDING PLAN
1/8" = 1'-0" 2

KEYED CONSTRUCTION NOTES:

- 30X16(L) SUPPLY DUCT AND 38X16(L) RETURN DUCT UP THRU ROOF TO ROOFTOP AC UNIT. PROVIDE DUCT TRANSITIONS AND FLEX CONNECTIONS TO UNIT. OFFSET DUCTS AS REQUIRED.
- 18X16(L) SUPPLY DUCT AND 26X16(L) RETURN DUCT UP THRU ROOF TO ROOFTOP AC UNIT. PROVIDE DUCT TRANSITIONS AND FLEX CONNECTIONS TO UNIT. OFFSET DUCTS AS REQUIRED.
- 6" DIAMETER EXHAUST DUCT UP THRU ROOF TO ROOF JACK.



MECHANICAL SPECIAL ED BUILDING PLAN
1/8" = 1'-0" 1

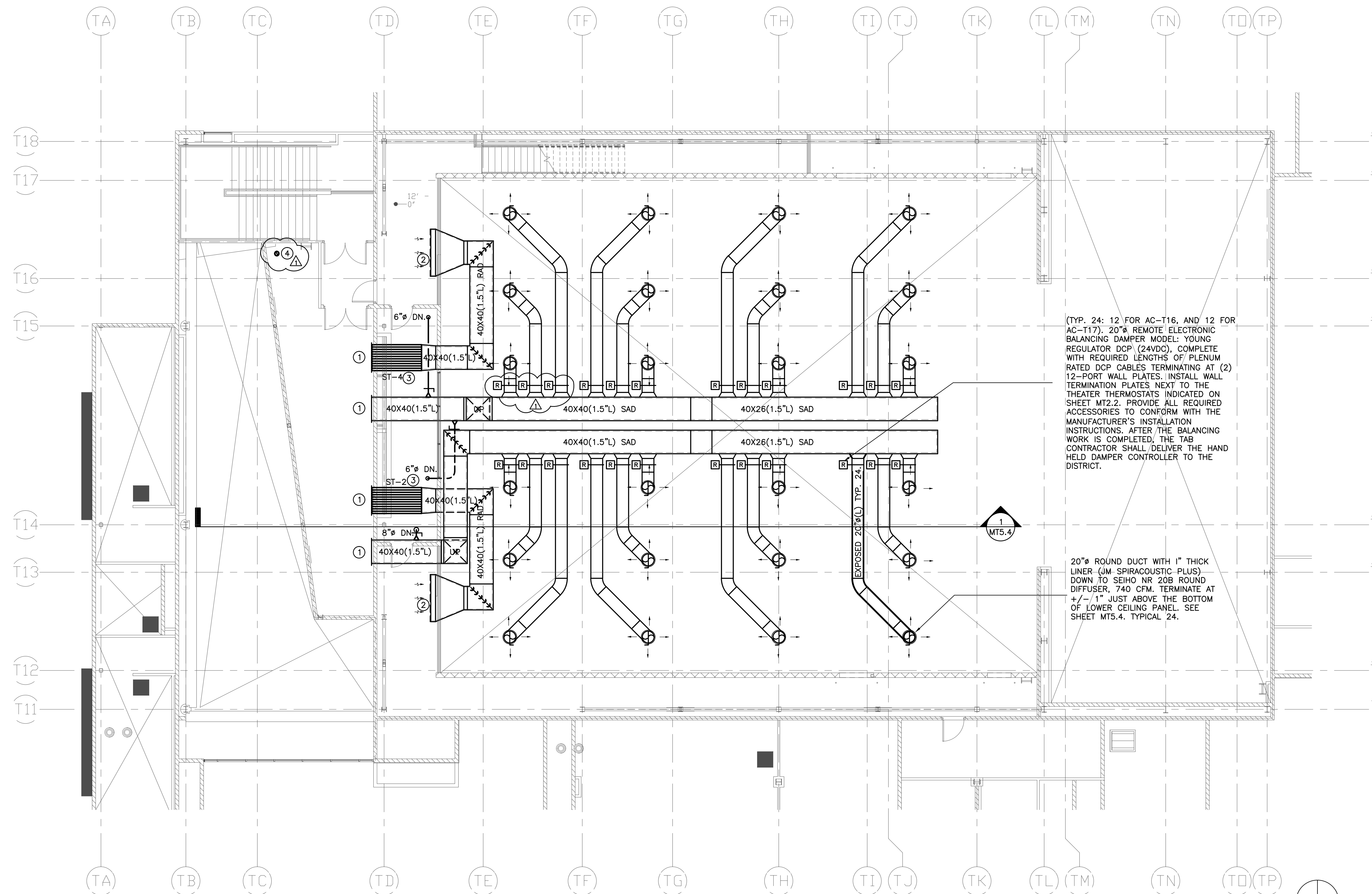
KEYED CONSTRUCTION NOTES:

- 30X16(L) SUPPLY DUCT AND 38X16(L) RETURN DUCT UP THRU ROOF TO ROOFTOP AC UNIT. PROVIDE DUCT TRANSITIONS AND FLEX CONNECTIONS TO UNIT. OFFSET DUCTS AS REQUIRED.
- 18X16(L) SUPPLY DUCT AND 26X16(L) RETURN DUCT UP THRU ROOF TO ROOFTOP AC UNIT. PROVIDE DUCT TRANSITIONS AND FLEX CONNECTIONS TO UNIT. OFFSET DUCTS AS REQUIRED.
- 6" DIAMETER EXHAUST DUCT UP THRU ROOF TO ROOF JACK.

ROWLAND HIGH SCHOOL ADDITION

ROWLAND UNIFIED SCHOOL DISTRICT

2000 OTTERBEIN AVE
ROWLAND HEIGHTS, CALIFORNIA



(TYP. 24: 12 FOR AC-T16, AND 12 FOR AC-T17). 20" REMOTE ELECTRONIC BALANCING DAMPER MODEL: YOUNG REGULATOR DCP (24VDC), COMPLETE WITH REQUIRED LENGTHS OF PLENUM RATED DCP CABLES TERMINATING AT (2) 12-PORT WALL PLATES. INSTALL WALL TERMINATION PLATES NEXT TO THE THEATER THERMOSTATS INDICATED ON SHEET MT2.2. PROVIDE ALL REQUIRED ACCESSORIES TO CONFORM WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. AFTER THE BALANCING WORK IS COMPLETED, THE TAB CONTRACTOR SHALL DELIVER THE HAND HELD DAMPER CONTROLLER TO THE DISTRICT.

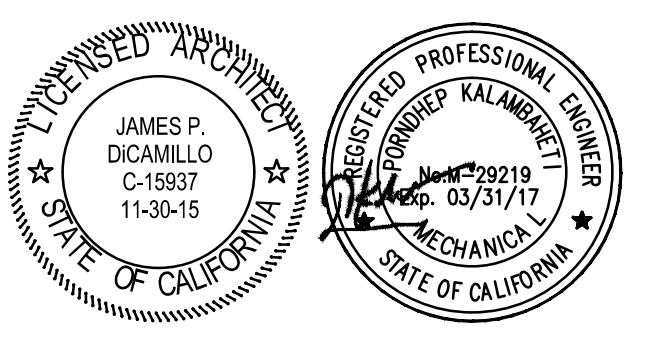
20" ROUND DUCT WITH 1" THICK LINER (JM SPIRACOUSTIC PLUS) DOWN TO SEHQ NR 208 ROUND DIFFUSER, 740 CFM. TERMINATE AT +/- 1" JUST ABOVE THE BOTTOM OF LOWER CEILING PANEL. SEE SHEET MTS.4, TYPICAL 24.

MECHANICAL THEATER BUILDING CATWALK AND FLY GALLERY PLAN AREA B

1/8" = 1'-0" 1

KEYED CONSTRUCTION NOTES

- ① FOR DUCTWORK CONTINUATION SEE MECH. ROOF PLAN SHEET MT4.2.
- ② 80X40 RETURN AIR OPENING WITH HEAVY DUTY 1/2" MESH SCREEN, 9,000 CFM.
- ③ FOR SOUNDTRAPS (ST) INSTALLATION SEE ACOUSTICS DRAWINGS SHEETS AC-1 AND AC-2.
- ④ REDUCE 8" EXHAUST DUCT TO 6" AND RUN UP THRU ROOF TO ROOF CAP. SEE SHEET MT4.2.



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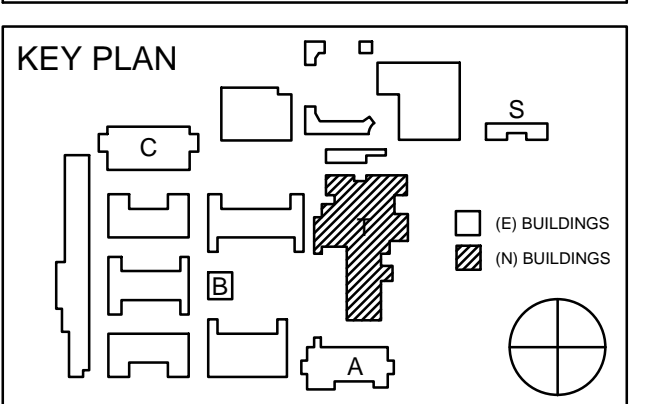
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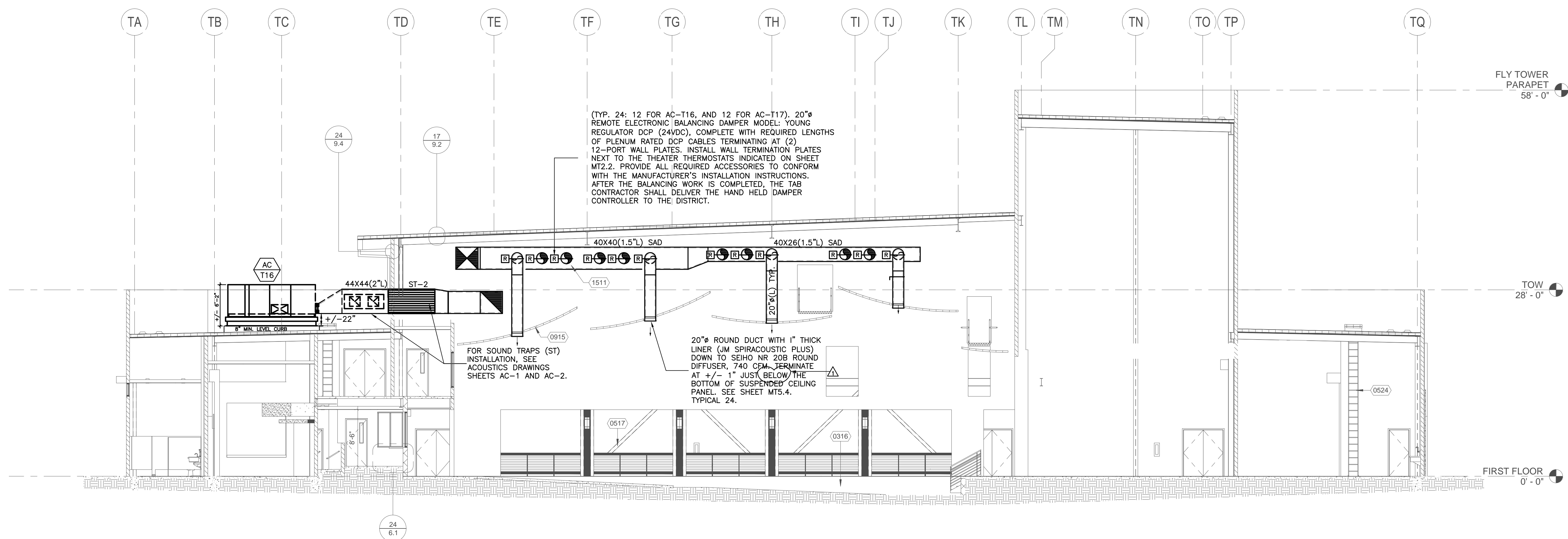
REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
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05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: R.M	CHKD: F.T
DATE: 04/08/2015	SCALE:
PROJECT NUMBER: 1310700	

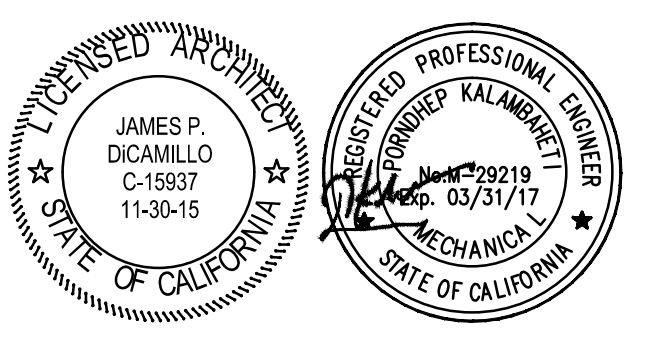
**THEATER BLDG.
CAT WALK MECH.
PLAN AREA "B"**

DRAWING NUMBER: **MT2.5**

ROWLAND HIGH SCHOOL ADDITION
ROWLAND UNIFIED SCHOOL DISTRICT
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ROWLAND HEIGHTS, CALIFORNIA

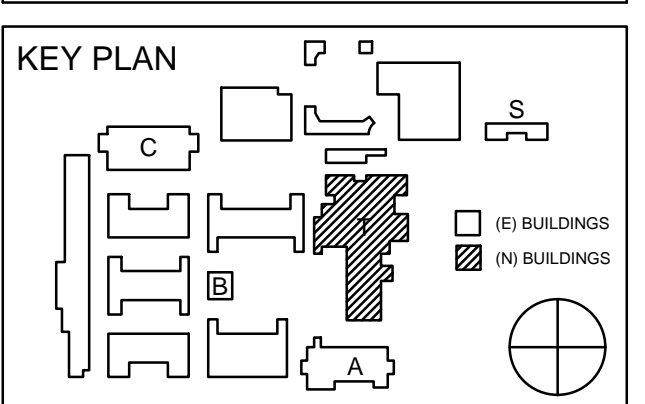


MECHANICAL THEATER BUILDING CROSS SECTION AREA B
1/8" = 1'-0" 1



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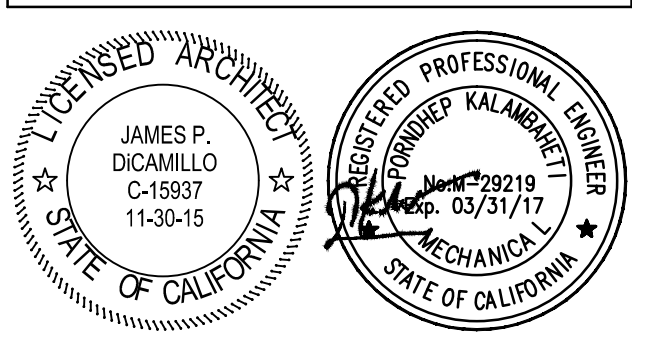


REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: R.M CHKD: F.T
DATE: 04/08/2015 SCALE:
PROJECT NUMBER: 1310700

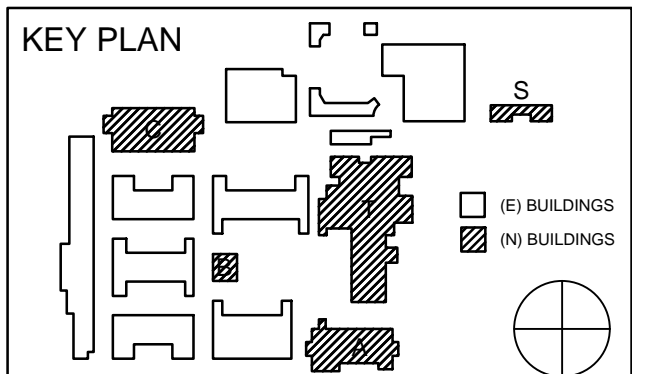
**THEATER BLDG.
MECHANICAL
SECTION AREA "B"**

DRAWING NUMBER: **MT5.4**



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REVISION SCHEDULE

NO	DATE	DESCRIPTION
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05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN: R.M CHKD: F.T
 DATE: 04/08/2015 SCALE:
 PROJECT NUMBER: 1310700

CONTROLS AND WIRING DIAGRAMS
 DRAWING NUMBER: **M6.1**

BILL OF MATERIALS - PANEL DEVICES

DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
C-1	3	VLC-1188	BACNET CONTROLLER	-	ALERTON
PSAC-1	3	PSH100B010	120/240VAC POWER SUPPLY	-	FUNCTIONAL DEVICES
R-1-B	24	VMD18-F24A	RELAY	-	VERS
R-1-B	24	VMD18-C	RELAY SOCKET	-	VERS
CP-LTG	3	567-351	NEMA 1 ENCLOSURE	-	SIEMENS

BILL OF MATERIALS

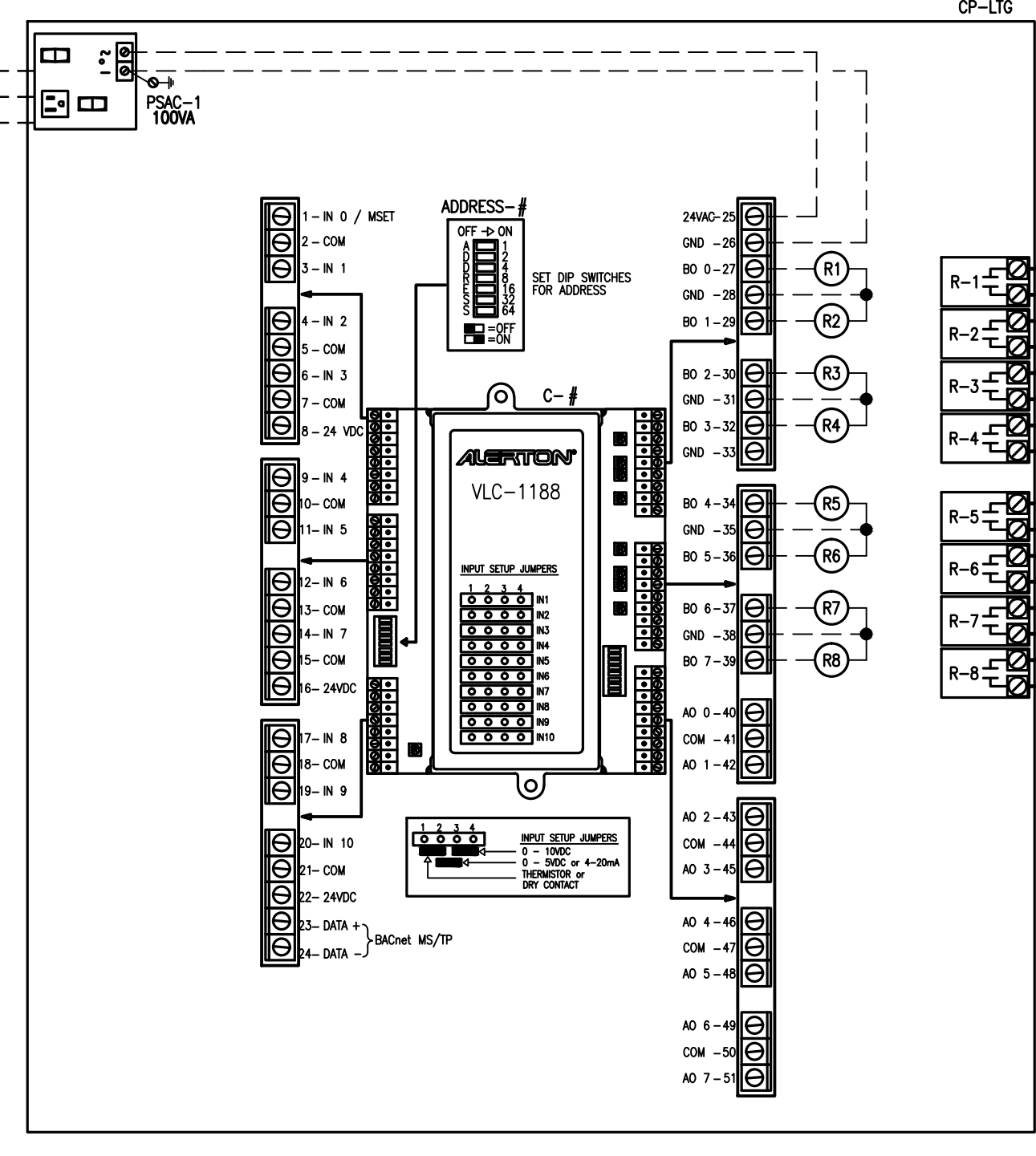


SEQUENCE OF OPERATION

- LEGEND:
- PROVIDED BY CONTROLS CONTRACTOR
 - PROVIDED BY ELECTRICAL CONTRACTOR
 - PROVIDED BY MECHANICAL CONTRACTOR
 - LOW VOLTAGE DC WIRING
 - LOW VOLTAGE AC WIRING
 - LINE VOLTAGE AC WIRING
- NOTES:
 1. INSTALLED AND WIRED BY DIV-16
 2.
 3.

REFER TO ELECTRICAL DRAWINGS SHOWING 6 CIRCUITS OF PARKING LOT LIGHTING TO BE CONTROLLED BY EMS. EMS WILL ALSO PROVIDE PHOTOCELL.

SHOWN FOR BUILDING A



PARKING LOT LIGHTING CONTROL WIRING

BILL OF MATERIALS - FIELD DEVICES

DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
TE-1	11	MS-2000-BT	MICROSET II ROOM SENSOR WITH OVERRIDE	-	ALERTON
TE-2	11	TS-2008-FB-10-AM	DUCT TEMPERATURE SENSOR - 8"	-	ALERTON
CO2	10	CWE	WALL MOUNT CO2 SENSOR	-	VERS

BILL OF MATERIALS - PANEL DEVICES

DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
C-1	11	VLC-853	CONTROLLER	-	ALERTON
CP-AC	11	A-16R12HCR	CONTROL PANEL - NEMA 3R	-	HOFFMAN
CP-AC	11	A-16P12	SUB PANEL	-	HOFFMAN

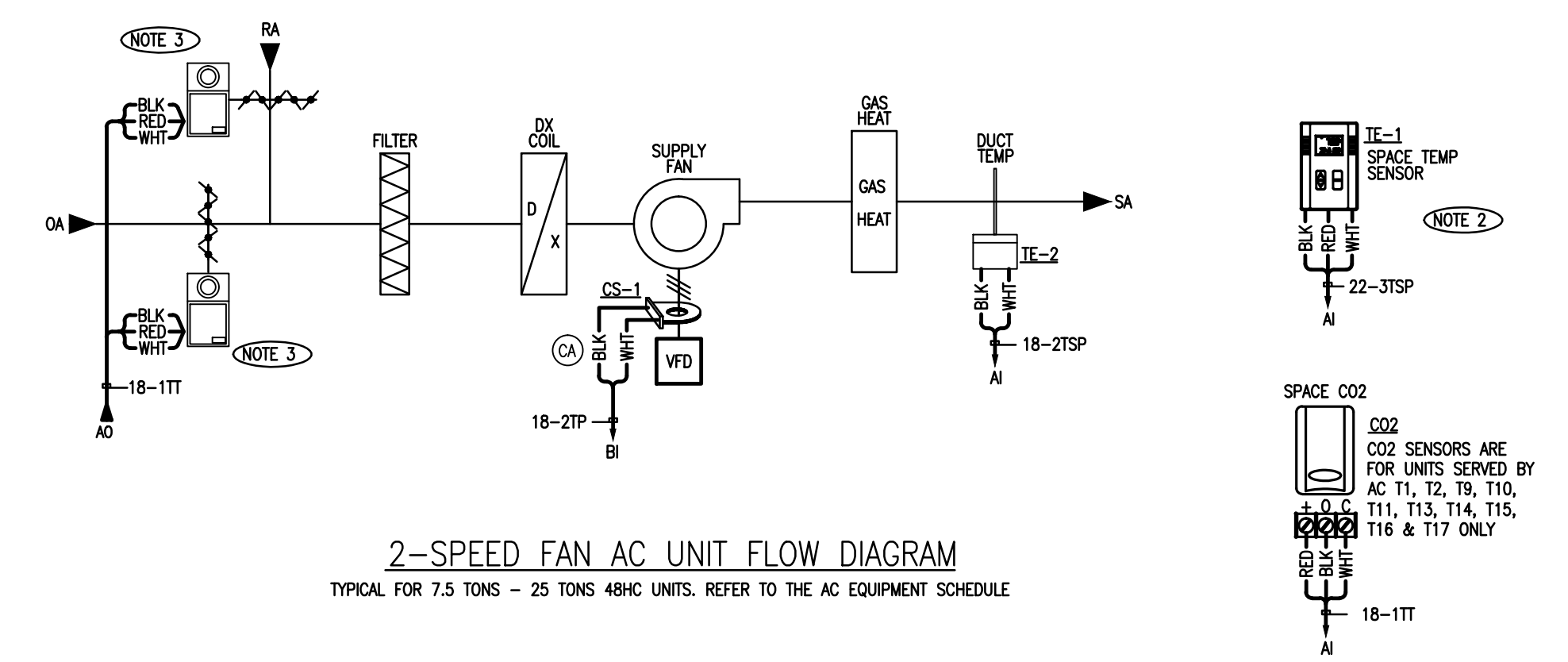
BILL OF MATERIALS

PACKAGE ROOFTOP A/C UNIT CONTROL (TYPICAL)
 SYSTEM START/ STOP: UNIT SHALL BE STARTED AND STOPPED ACCORDING TO THE BAS ADJUSTABLE, PROGRAMMABLE OCCUPANCY SCHEDULE. SUPPLY FAN SHALL RUN CONTINUOUSLY DURING OCCUPIED HOURS AND AFTER HOURS WHEN REQUESTED TO RUN BY LOCAL OVERRIDE. FOR SYSTEMS WITH MULTIPLE PACKAGE UNITS ON THE SAME SCHEDULE, THE BAS SYSTEM SHALL BE PROGRAMMED TO STAGGER START THE AC UNITS TO PREVENT EXCESSIVE BUILDING ELECTRICAL WIRING CURRENT.
 SPACE TEMPERATURE CONTROL:
 COOLING- DURING THE FIRST STAGE OF MECHANICAL COOLING OPERATION THE UNIT VFD WILL ADJUST THE FAN SPEED TO PROVIDE 67% OF THE TOTAL DESIGN CFM ESTABLISHED FOR THE UNIT. REFER TO THE AC EQUIPMENT SCHEDULE.
 WHEN A CALL FOR SECOND STAGE OF COOLING IS RECEIVED THE VFD WILL ADJUST THE FAN MOTOR TO 100% OF THE DESIGN CFM. THE BAS CONTRACTOR SHALL WORK WITH THE TAB CONTRACTOR TO SET THE TWO MINIMUM OUTSIDE AIR DAMPER POSITIONS SO THAT DESIGN OUTSIDE AIR CFM IS CONSTANT DURING BOTH STAGE AND 100% SUPPLY AIR VOLUME.
 ECONOMIZER CONTROL BY BAS: THE UNIT ECONOMIZER WILL BE MODULATED OPEN TO UTILIZE OA AS THE FIRST STAGE OF COOLING WHEN OUTSIDE AIR CONDITIONS ALLOW FOR "FREE COOLING". FREE COOLING WILL BE ALLOWED BASED UPON DIFFERENTIAL TEMPERATURE CONTROL (ON DRY BULB TEMPERATURE LOWER THAN RA DRY BULB TEMPERATURE) WITH OA HIGH ENTHALPY LOCKOUT ABOVE 26 BTU/LB. (ADU). POWER EXHAUST SYSTEM (WHERE APPLICABLE) SHALL OPERATE UNDER UNIT OEM FACTORY CONTROLS.
 MONITORING/ ALARMS:
 FILTER- THE BAS CONTROLLER SHALL MONITOR THE A/C UNIT AIR FILTER DIFFERENTIAL PRESSURE DROP. AN ALARM SHALL BE GENERATED AT THE BAS WORKSTATION WHEN THE FILTER PRESSURE EXCEEDS DIFFERENTIAL PRESSURE SETPOINT OF 1.0" WC (FIELD VERIFY PRESSURE SETPOINTS).
 SPACE TEMPERATURE ALARM- THE BAS CONTROLLER SHALL GENERATE AN ALARM AT THE BAS WORKSTATION WHEN SPACE TEMPERATURE IS GREATER THAN 3°F (ADU) ABOVE THE COOLING SETPOINT FOR MORE THAN 60 MINUTES (ADJUSTABLE).
 THE BAS CONTROLLER SHALL GENERATE AN ALARM AT THE BAS WORKSTATION WHEN SPACE TEMPERATURE IS GREATER THAN 3°F (ADU) BELOW THE HEATING SETPOINT FOR MORE THAN 60 MINUTES (ADJUSTABLE).
 FAN STATUS ALARM- THE BAS CONTROLLER SHALL MONITOR THE FAN STATUS. AN ALARM SHALL BE GENERATED AT THE BAS WORKSTATION WHEN FAN STATUS DOES NOT MATCH THE COMMANDED STATUS. FOR FAN DETECTED OFF WHEN COMMANDED ON, A FAN FAILURE ALARM SHALL BE GENERATED.

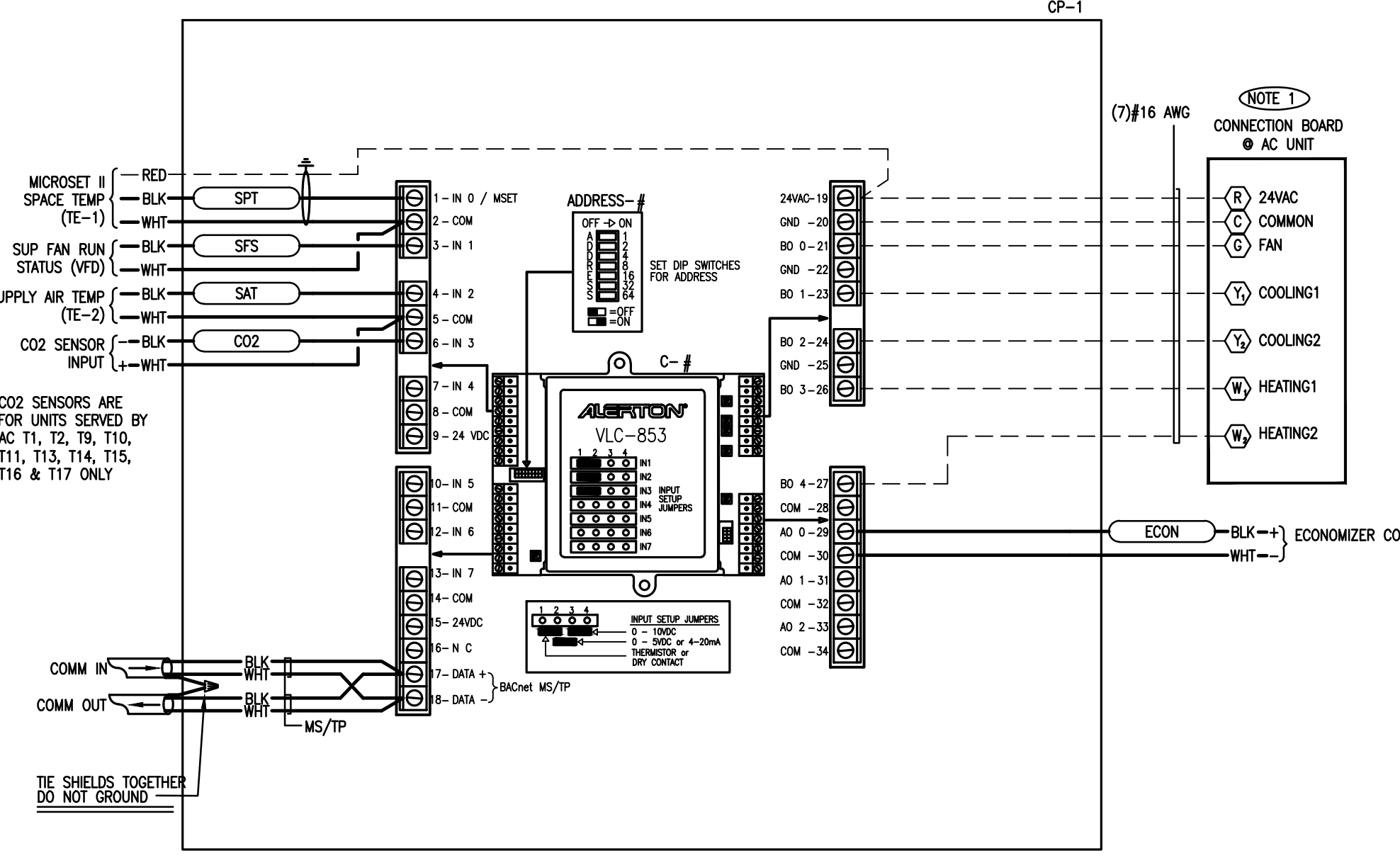
SEQUENCE OF OPERATION

- LEGEND:
- PROVIDED BY CONTROLS CONTRACTOR
 - PROVIDED BY ELECTRICAL CONTRACTOR
 - PROVIDED BY MECHANICAL CONTRACTOR
 - LOW VOLTAGE DC WIRING
 - LOW VOLTAGE AC WIRING
 - LINE VOLTAGE AC WIRING
- NOTES:
 1. VERIFY UNIT WIRE TERMINATIONS.
 2. LOCATE SPACE SENSOR ACCORDING TO MECHANICAL DRAWINGS.
 3. ACTUATORS PROVIDED BY UNIT MANUFACTURER.

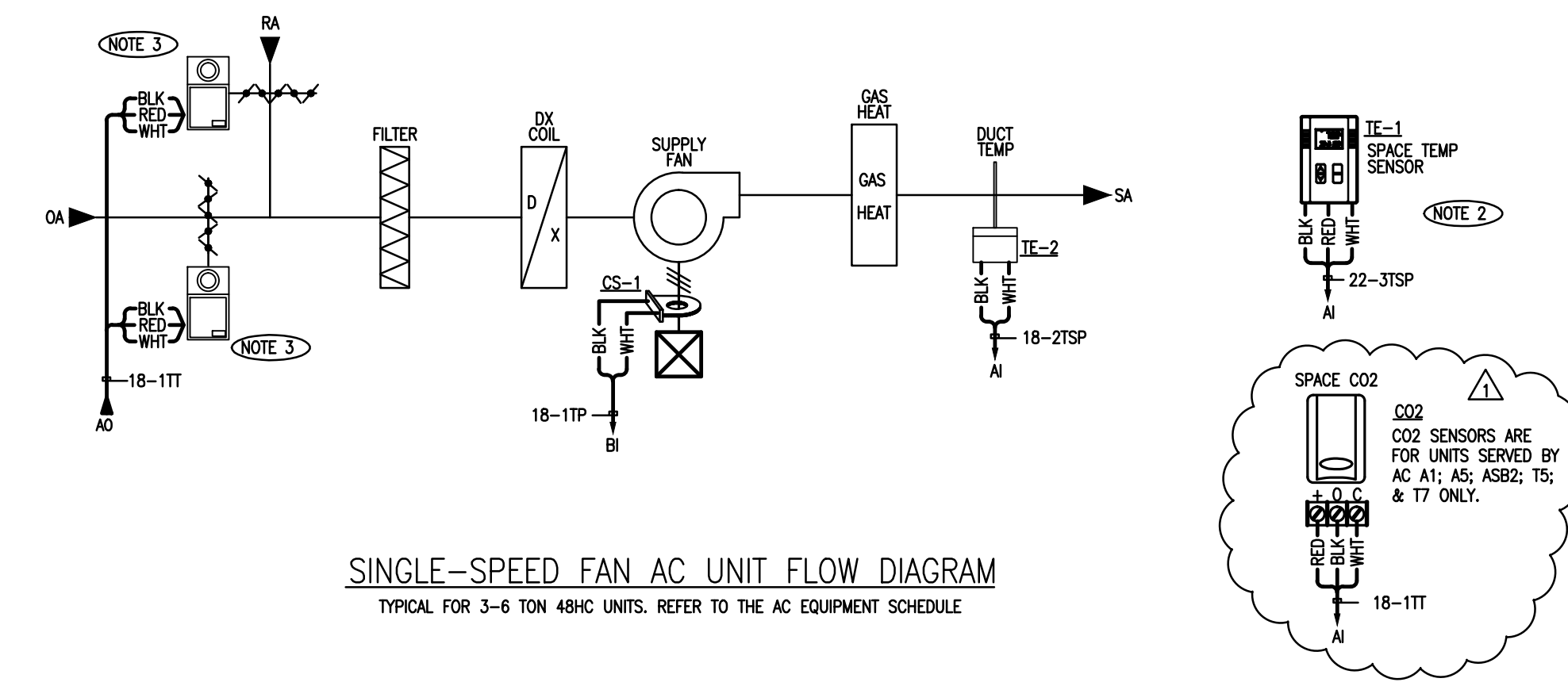
LEGENDS AND NOTES



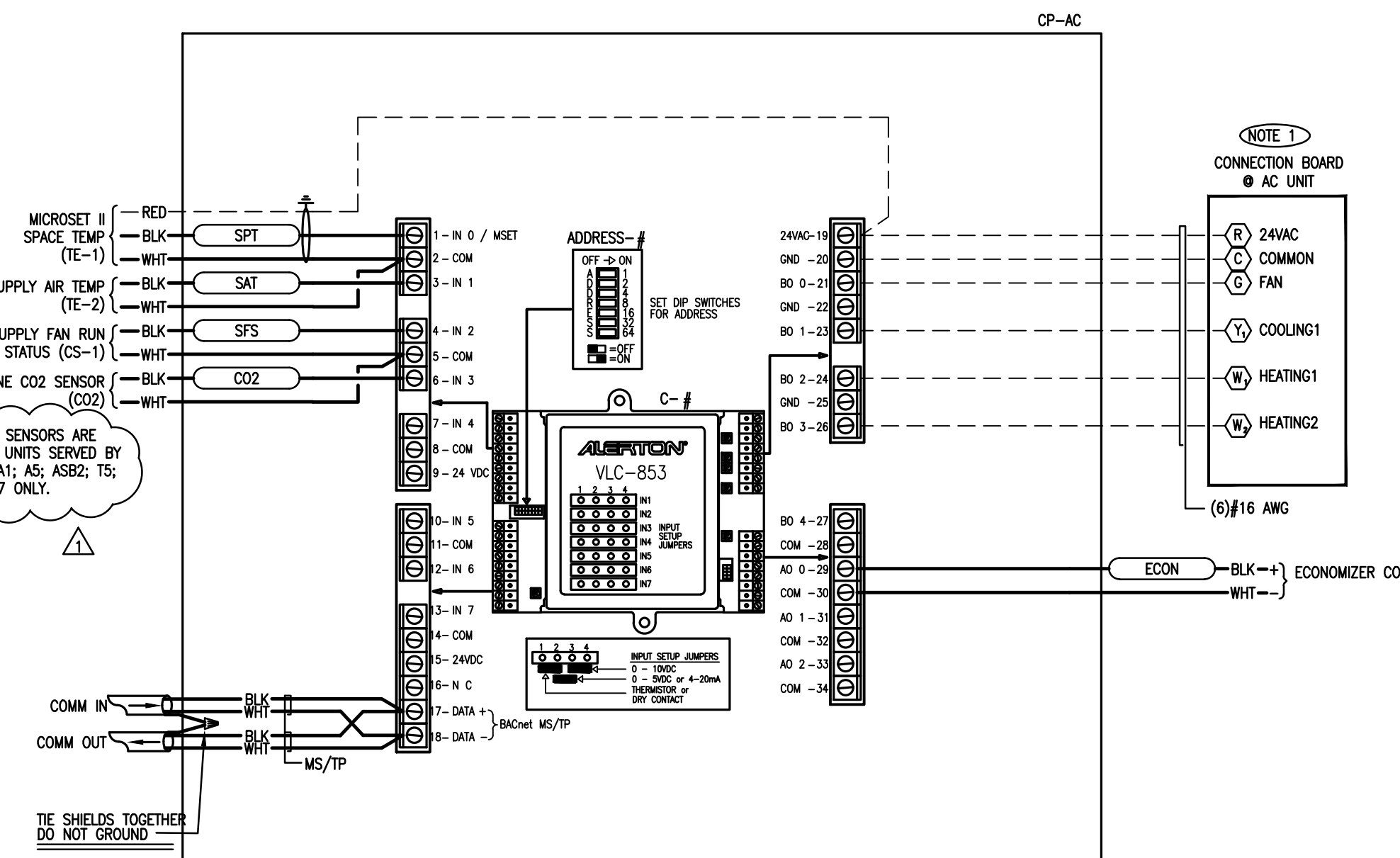
2-SPEED FAN AC UNIT FLOW DIAGRAM
 TYPICAL FOR 7.5 TONS - 25 TONS 48HC UNITS. REFER TO THE AC EQUIPMENT SCHEDULE



TWO-SPEED AC UNIT BAS WIRING AND FLOW DIAGRAM



SINGLE-SPEED FAN AC UNIT FLOW DIAGRAM
 TYPICAL FOR 3-6 TON 48HC UNITS. REFER TO THE AC EQUIPMENT SCHEDULE



SINGLE-SPEED AC UNIT BAS WIRING AND FLOW DIAGRAM

BILL OF MATERIALS - FIELD DEVICES

DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
TE-1	50	MS-2000-BT	MICROSET II ROOM SENSOR WITH OVERRIDE	-	ALERTON
TE-2	50	TS-2008-FB-10-AM	DUCT TEMPERATURE SENSOR - 8"	-	ALERTON
CS-1	50	HCB	CURRENT SWITCH	-	VERS
CO2	5	CWE	WALL MOUNT CO2 SENSOR	-	VERS

BILL OF MATERIALS - PANEL DEVICES

DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
C-1	50	VLC-853	CONTROLLER	-	ALERTON
CP-AC	50	A-16R12HCR	CONTROL PANEL - NEMA 3R	-	HOFFMAN
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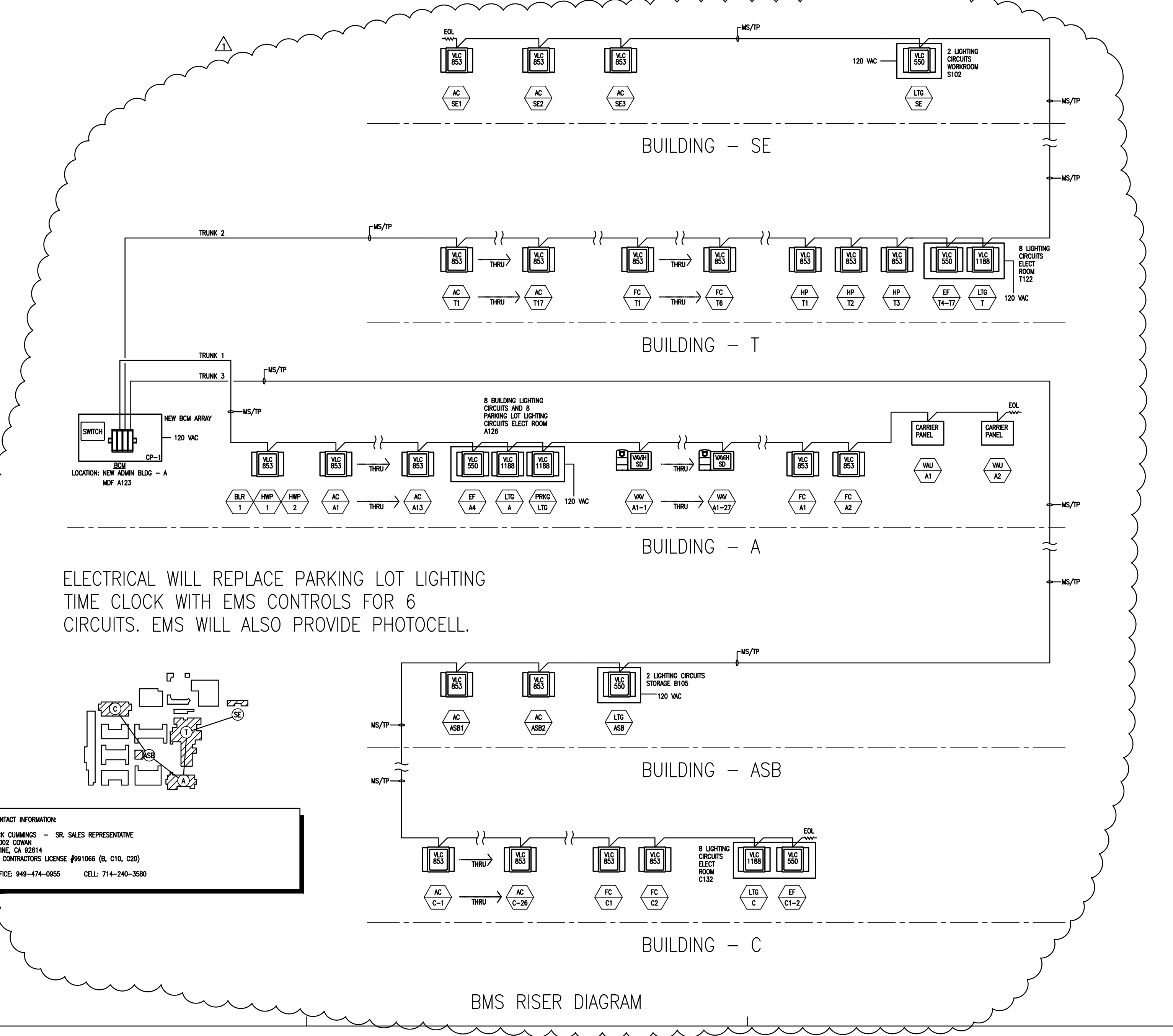
BILL OF MATERIALS

PACKAGE ROOFTOP A/C UNIT CONTROL (TYPICAL)
 SYSTEM START/ STOP: UNIT SHALL BE STARTED AND STOPPED ACCORDING TO THE BAS ADJUSTABLE, PROGRAMMABLE OCCUPANCY SCHEDULE. SUPPLY FAN SHALL RUN CONTINUOUSLY DURING OCCUPIED HOURS AND AFTER HOURS WHEN REQUESTED TO RUN BY LOCAL OVERRIDE. FOR SYSTEMS WITH MULTIPLE PACKAGE UNITS ON THE SAME SCHEDULE, THE BAS SYSTEM SHALL BE PROGRAMMED TO STAGGER START THE AC UNITS TO PREVENT EXCESSIVE BUILDING ELECTRICAL WIRING CURRENT.
 SPACE TEMPERATURE CONTROL:
 COOLING- UPON A RISE IN SPACE TEMPERATURE ABOVE THE COOLING SETPOINT OF 73°F (ADU) THE BAS SHALL STAGE ON THE DX COOLING AS REQUIRED.
 HEATING- UPON A FALL IN SPACE TEMPERATURE BELOW THE HEATING SETPOINT OF 71°F (ADU) THE BAS SHALL STAGE ON THE GAS HEATING AS REQUIRED.
 ECONOMIZER CONTROL BY BAS: THE UNIT ECONOMIZER WILL BE MODULATED OPEN TO UTILIZE OA AS THE FIRST STAGE OF COOLING WHEN OUTSIDE AIR CONDITIONS ALLOW FOR "FREE COOLING". FREE COOLING WILL BE ALLOWED BASED UPON DIFFERENTIAL TEMPERATURE CONTROL (ON DRY BULB TEMPERATURE LOWER THAN RA DRY BULB TEMPERATURE) WITH OA HIGH ENTHALPY LOCKOUT ABOVE 26 BTU/LB. (ADU). POWER EXHAUST SYSTEM (WHERE APPLICABLE) SHALL OPERATE UNDER UNIT OEM FACTORY CONTROLS.
 DEMAND-BASED VENTILATION (CO2) CONTROL: THE BAS SHALL MONITOR THE SPACE CARBON-DIOXIDE LEVEL. UPON A RISE IN SPACE CO2 ABOVE 800 PPM (ADU), THE BAS SHALL MODULATE THE ECONOMIZER ON DAMPER OPEN.
 MONITORING/ ALARMS:
 FILTER- THE BAS CONTROLLER SHALL MONITOR THE A/C UNIT AIR FILTER DIFFERENTIAL PRESSURE DROP. AN ALARM SHALL BE GENERATED AT THE BAS WORKSTATION WHEN THE FILTER PRESSURE EXCEEDS DIFFERENTIAL PRESSURE SETPOINT OF 1.0" WC (FIELD VERIFY PRESSURE SETPOINTS).
 SPACE TEMPERATURE ALARM- THE BAS CONTROLLER SHALL GENERATE AN ALARM AT THE BAS WORKSTATION WHEN SPACE TEMPERATURE IS GREATER THAN 3°F (ADU) ABOVE THE COOLING SETPOINT FOR MORE THAN 60 MINUTES (ADJUSTABLE).
 THE BAS CONTROLLER SHALL GENERATE AN ALARM AT THE BAS WORKSTATION WHEN SPACE TEMPERATURE IS GREATER THAN 3°F (ADU) BELOW THE HEATING SETPOINT FOR MORE THAN 60 MINUTES (ADJUSTABLE).
 FAN STATUS ALARM- THE BAS CONTROLLER SHALL MONITOR THE FAN STATUS. AN ALARM SHALL BE GENERATED AT THE BAS WORKSTATION WHEN FAN STATUS DOES NOT MATCH THE COMMANDED STATUS. FOR FAN DETECTED OFF WHEN COMMANDED ON, A FAN FAILURE ALARM SHALL BE GENERATED.

SEQUENCE OF OPERATION

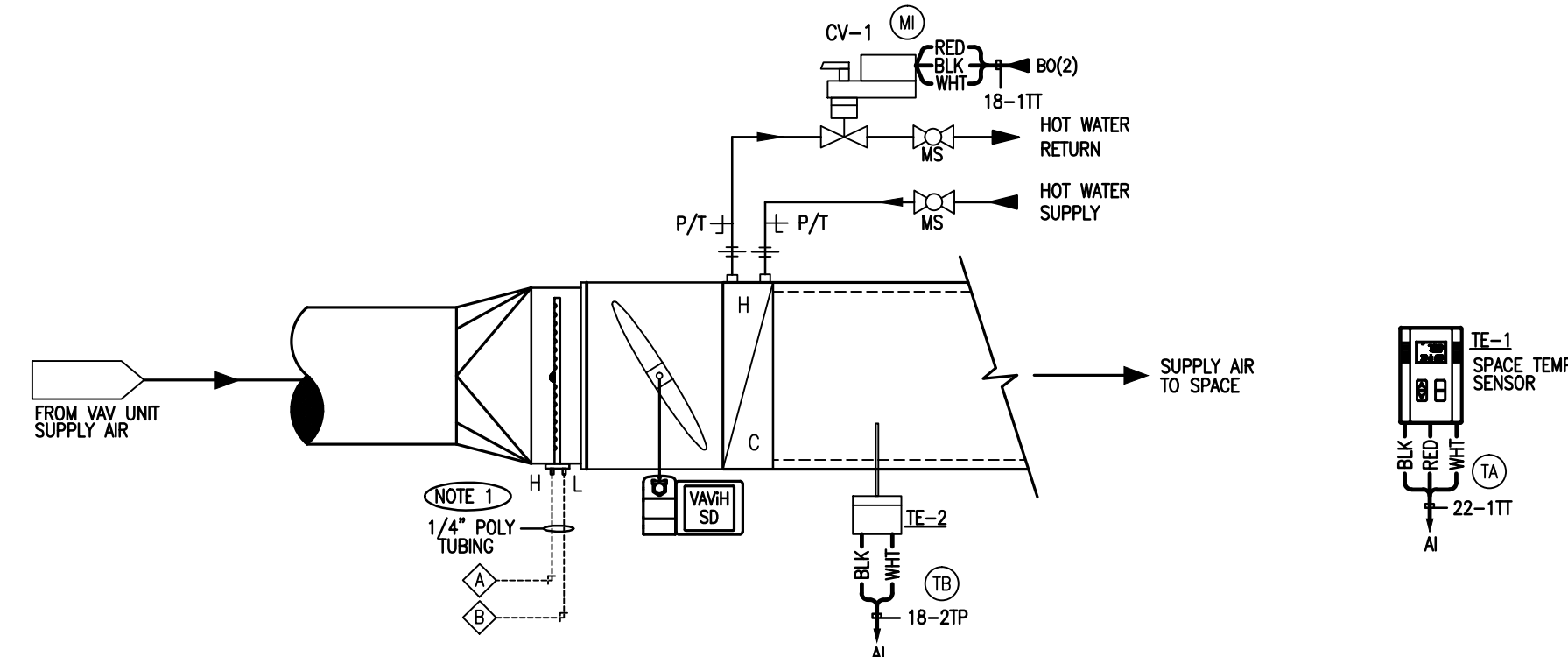
- LEGEND:
- PROVIDED BY CONTROLS CONTRACTOR
 - PROVIDED BY ELECTRICAL CONTRACTOR
 - PROVIDED BY MECHANICAL CONTRACTOR
 - LOW VOLTAGE DC WIRING
 - LOW VOLTAGE AC WIRING
 - LINE VOLTAGE AC WIRING
- NOTES:
 1. VERIFY UNIT WIRE TERMINATIONS.
 2. LOCATE SPACE SENSOR ACCORDING TO MECHANICAL DRAWINGS.
 3. ACTUATORS BY UNIT MANUFACTURER.

LEGENDS AND NOTES

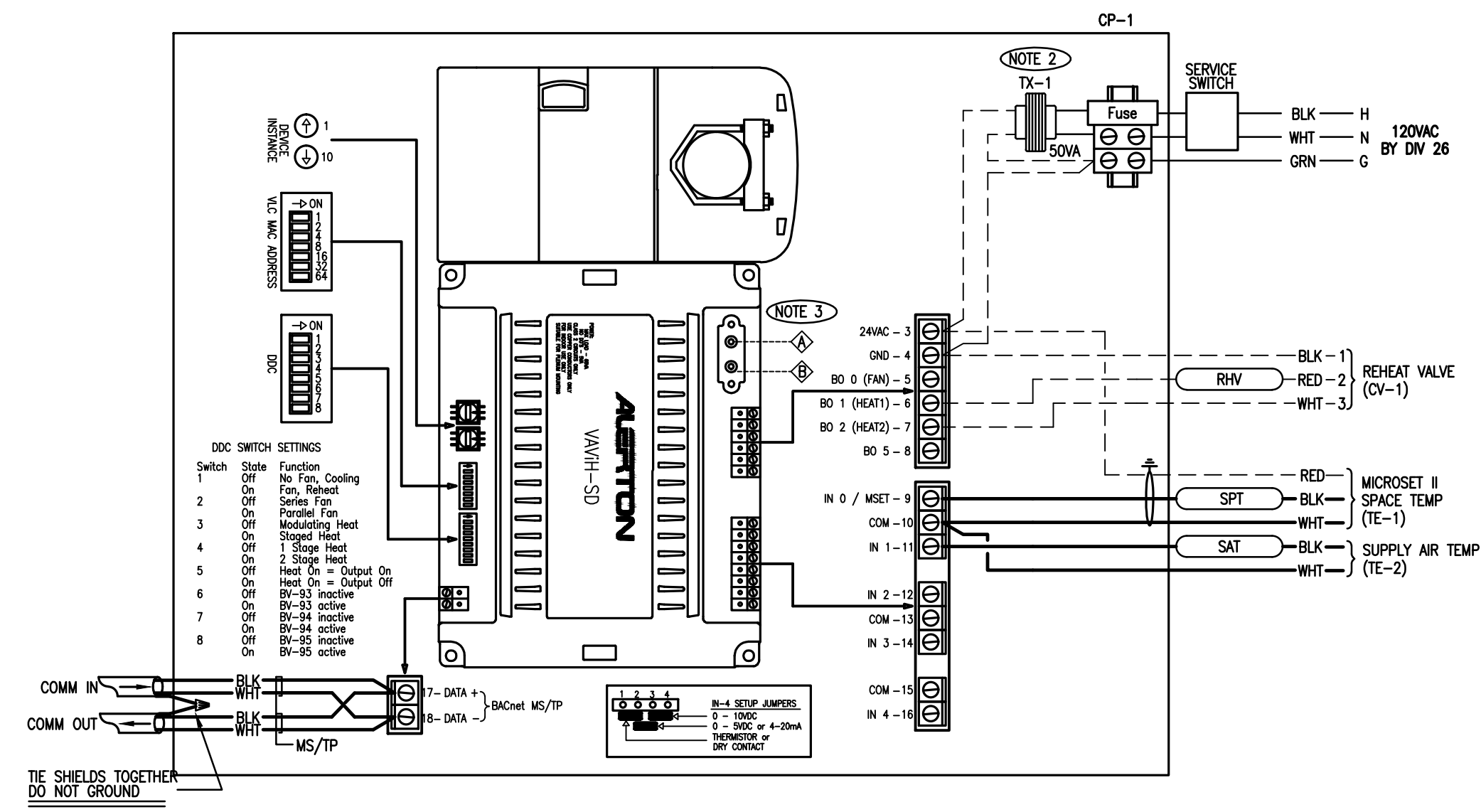


ELECTRICAL WILL REPLACE PARKING LOT LIGHTING TIME CLOCK WITH EMS CONTROLS FOR 6 CIRCUITS. EMS WILL ALSO PROVIDE PHOTOCELL.

CONTACT INFORMATION:
 BOCK COMPANY - SR. SALES REPRESENTATIVE
 15002 CROWN WING, CA 92614
 CA CONTRACTORS LICENSE #91008 (EL, CL, CS)
 OFFICE: 949-474-0955 CELL: 714-240-3080



VAV BOX W/REHEAT FLOW DIAGRAM
REFER TO VAV BOX SCHEDULE AND MECHANICAL PLANS



VAV BOX WITH HOT WATER REHEAT BAS WIRING AND FLOW DIAGRAM

BILL OF MATERIALS - FIELD DEVICES					
DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
TE-1	20	MS-2000-BT	MICROSET II SPACE SENSOR	-	ALERTON
TE-2	20	TS-2006-FB-10-A	DUCT TEMP SENSOR - 10K THERM	-	ALERTON
CV-1	20	REFER TO SCHEDULE	CONTROL VALVE	-	HONEYWELL

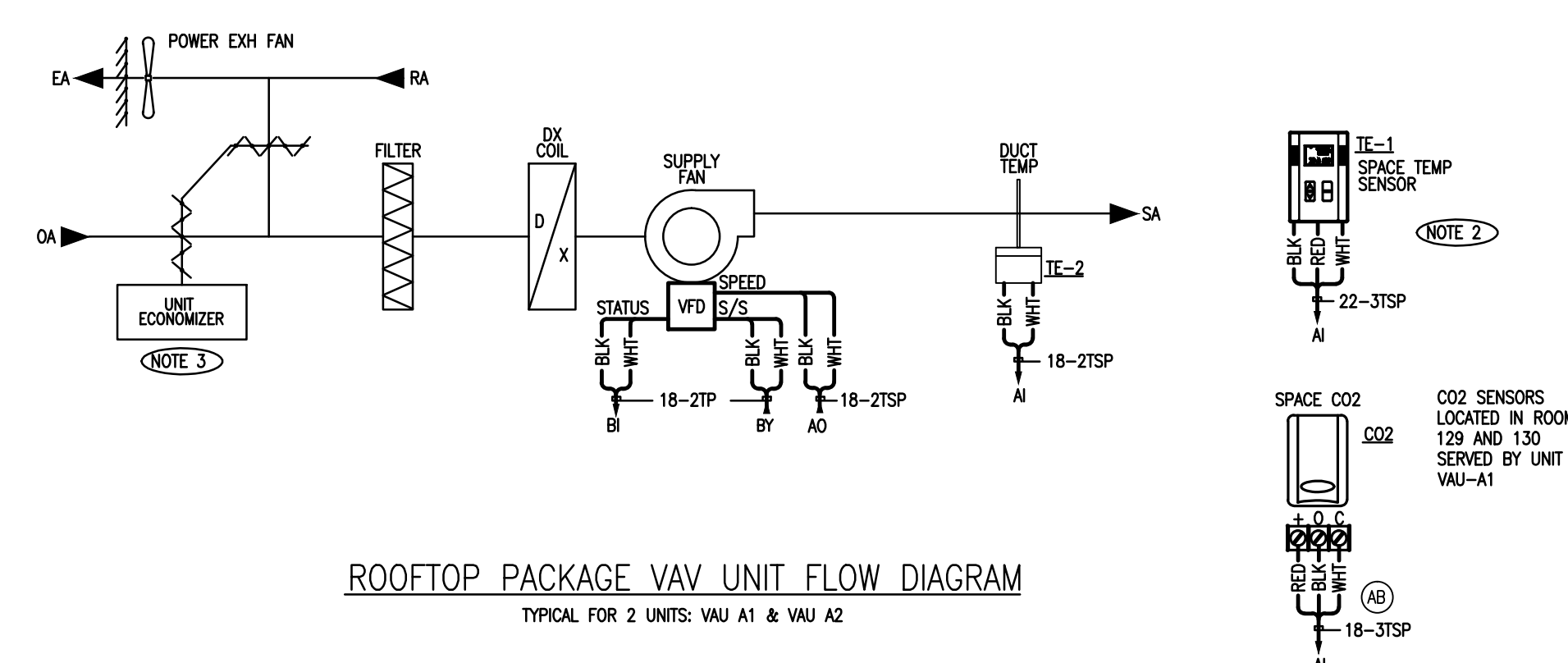
BILL OF MATERIALS - PANEL DEVICES					
DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
C-1	20	VAVH-SD	VAV CONTROLLER W/INTEGRAL ACTUATOR	-	ALERTON

BILL OF MATERIALS

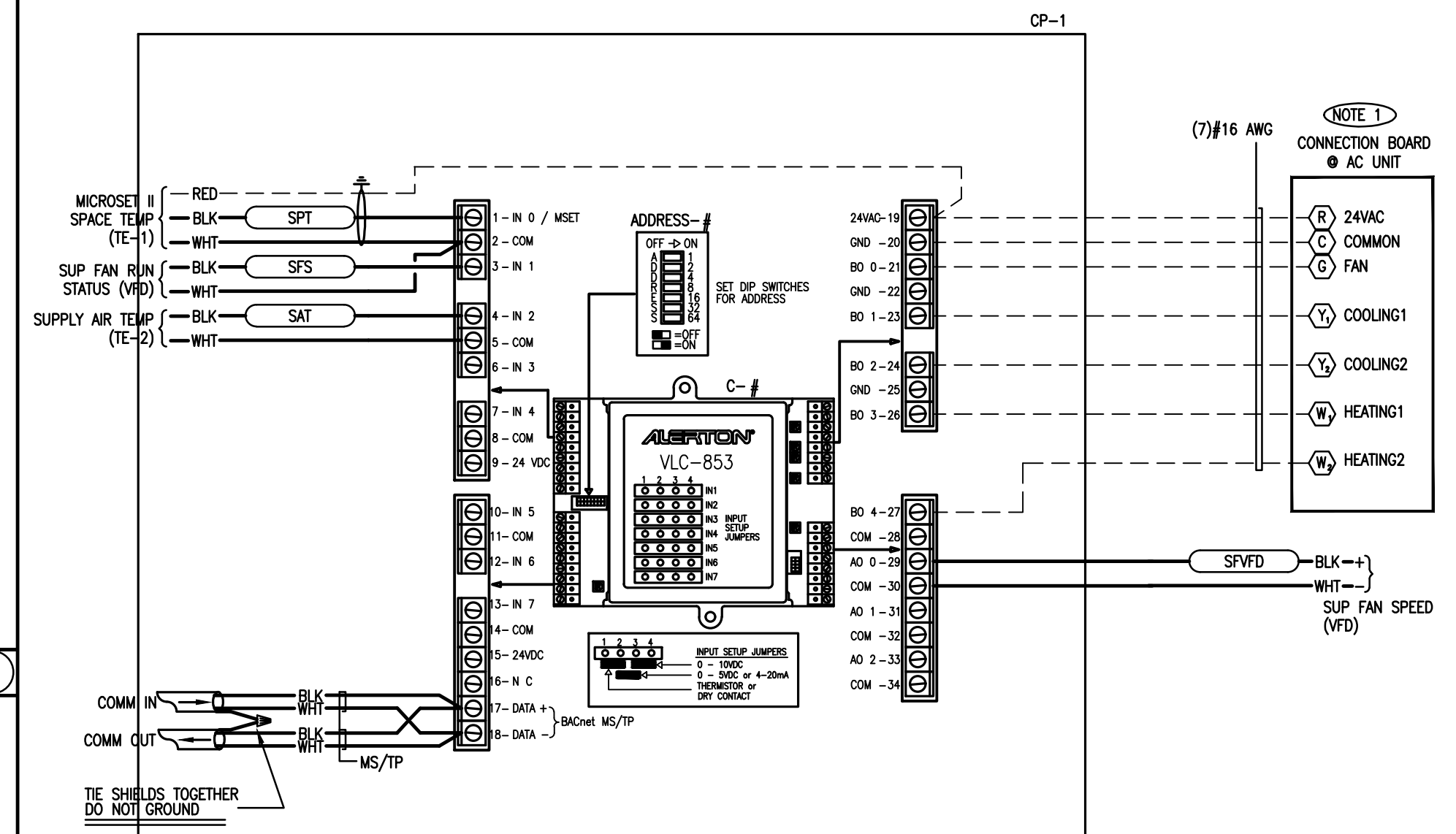
- SEQUENCE OF OPERATION FOR VAV BOX
- THE ZONE WILL BE ACTIVATED BY AN OCCUPIED COMMAND FROM A USER DEFINED SCHEDULE OR AN AFTER HOUR OVERRIDE INITIATED AT THE SPACE SENSOR.
 - THE SPACE TEMPERATURE PI CONTROL LOOP WILL RESET THE VAV BOX VELOCITY CONTROL SETPOINT TO MAINTAIN A SPACE TEMPERATURE SETPOINT (INITIALLY SET AT 72°F).
 - IF THE VELOCITY CONTROL IS AT MINIMUM AND THE SPACE TEMPERATURE CONTINUES TO FALL, THE SPACE TEMPERATURE CONTROL WILL MODULATE THE REHEAT VALVE (CV-1) TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. THE VELOCITY CONTROL WILL MODULATE THE VAV BOX VOLUME DAMPER TO THE HEATING VELOCITY SETPOINT.

SEQUENCE OF OPERATION

- NOTES:
- CROSS FLOW SENSORS SHALL BE PROVIDED AND INSTALLED BY VAV BOX MANUFACTURER
 - VAV BOX ENCLOSURES, SERVICE SWITCH, AND TRANSFORMERS PROVIDED AND INSTALLED BY BOX MANUFACTURER
 - TO VAV BOX CROSS FLOW SENSORS
- LEGEND:
- PROVIDED BY CONTROLS CONTRACTOR
 - PROVIDED BY ELECTRICAL CONTRACTOR
 - PROVIDED BY MECHANICAL CONTRACTOR
 - LOW VOLTAGE DC WIRING
 - LOW VOLTAGE AC WIRING
 - LINE VOLTAGE AC WIRING



ROOFTOP PACKAGE VAV UNIT FLOW DIAGRAM
TYPICAL FOR 2 UNITS: VAV A1 & VAV A2



ROOFTOP PACKAGE VAV UNIT BAS WIRING AND FLOW DIAGRAM

BILL OF MATERIALS - FIELD DEVICES					
DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
TE-1	1	MS-2000-BT	MICROSET II ROOM SENSOR WITH OVERRIDE	-	ALERTON
TE-2	1	TS-2006-FB-10-A	DUCT TEMPERATURE SENSOR - 8"	-	ALERTON
CO2	2	CWE	WALL MOUNTED CO2 SENSOR	-	VERIS

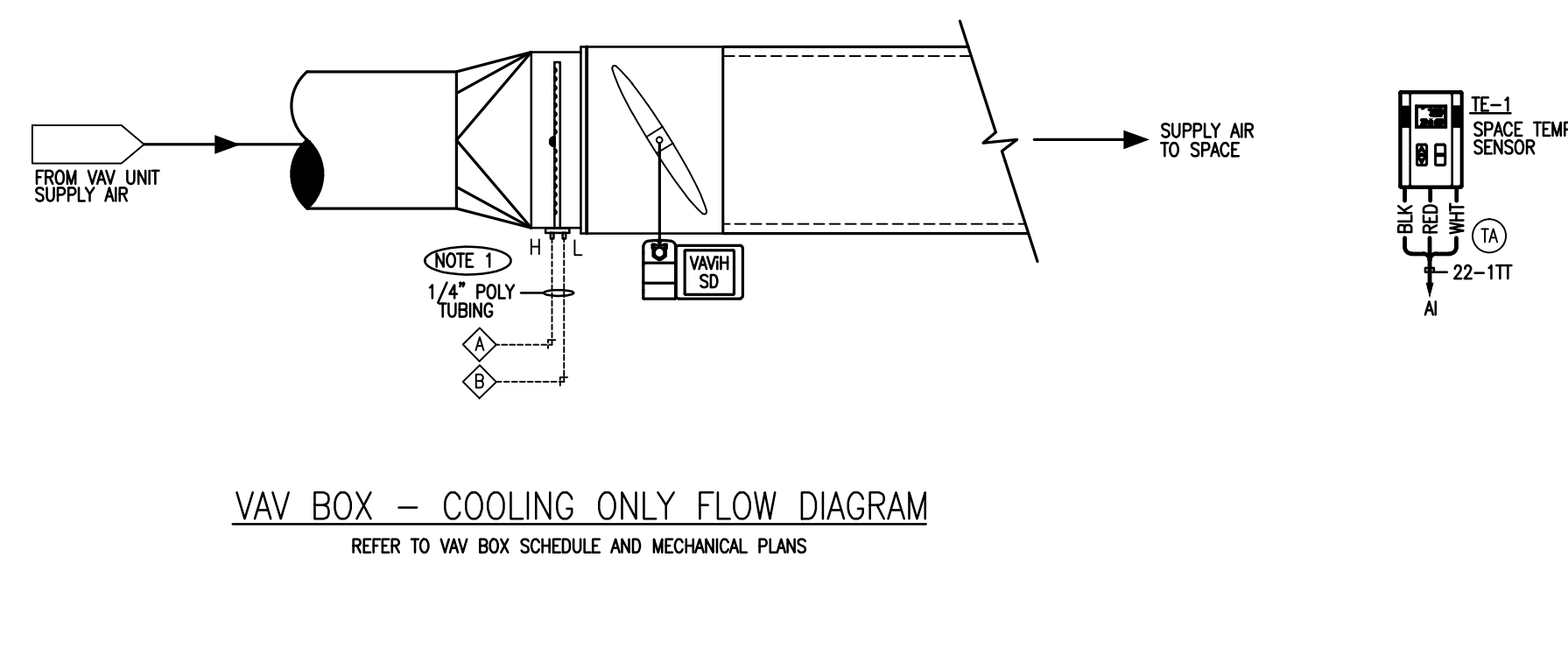
BILL OF MATERIALS - PANEL DEVICES					
DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
C-1	1	VLC-853	CONTROLLER	-	ALERTON
CP-1	1	A-12R124	CONTROL PANEL - NEMA 3R	-	HOFFMAN

BILL OF MATERIALS

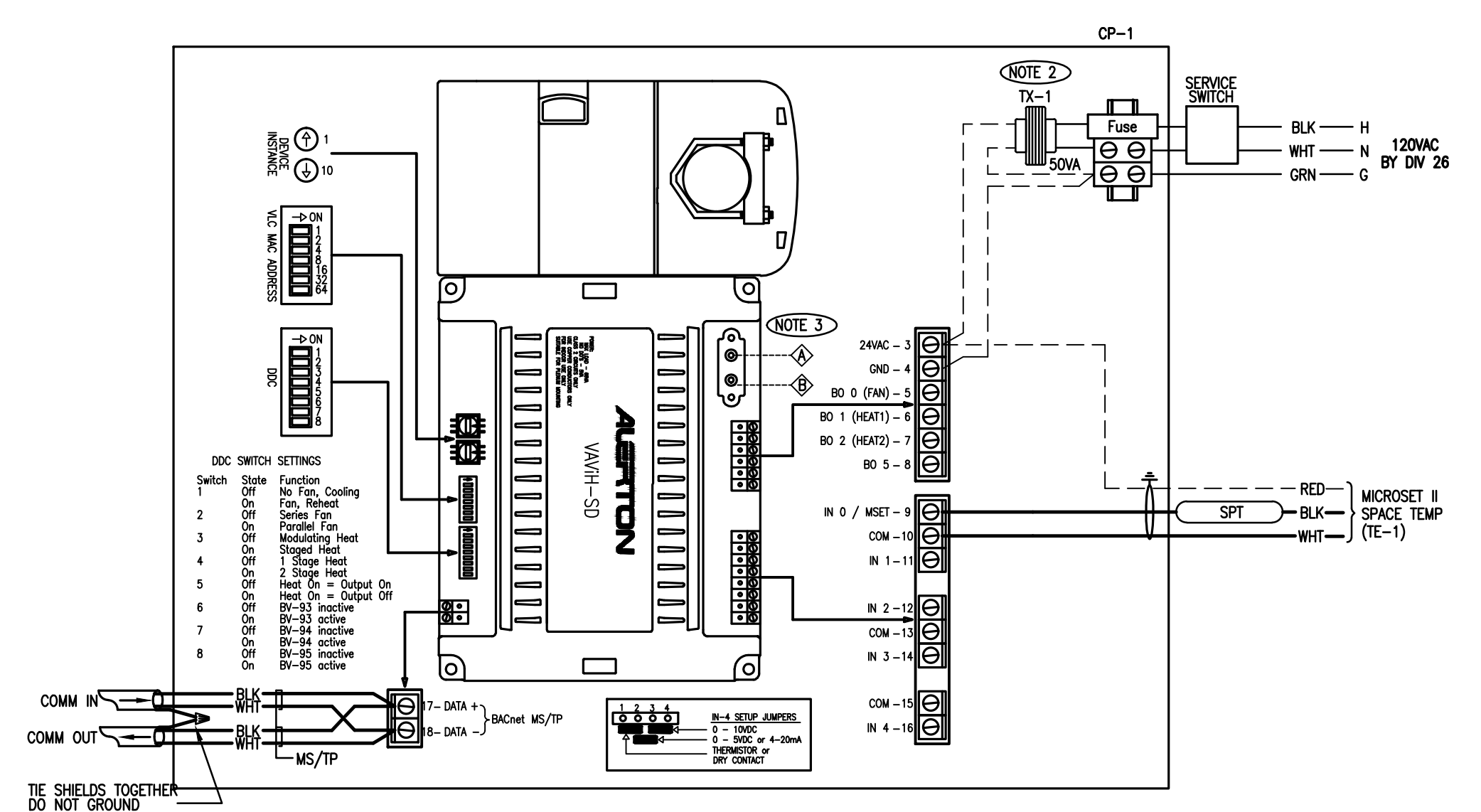
- SEQUENCE OF OPERATION
- PACKAGE AC UNIT START/STOP CONTROL
- FAN SYSTEM IS TO BE STARTED BASED ON A USER DEFINED OCCUPANCY SCHEDULE
 - DURING UNOCCUPIED PERIODS, IF AN AFTER HOUR REQUEST IS ACTIVE THE AC UNIT WILL BE STARTED FOR A DURATION OF 2 HOURS.
- SPACE TEMPERATURE CONTROL
- THE SPACE TEMPERATURE CONTROL LOOP WILL CYCLE THE PACKAGE AC DX COOLING TO MAINTAIN A SPACE TEMPERATURE SETPOINT (INITIALLY SET AT 72°F)
- OUTSIDE AIR ECONOMIZER CONTROL (FACTORY SUPPLIED)
- THE OUTSIDE AIR ECONOMIZER IS CONTROLLED THROUGH THE AC UNIT. THE ECONOMIZER WILL SERVE AS FIRST STAGE OF COOLING WHEN OUTSIDE AIR TEMPERATURE IS BELOW SETPOINT (INITIALLY SET AT 55°F), AS DETERMINED THROUGH THE UNIT SUPPLIED OUTSIDE AIR SENSOR.

SEQUENCE OF OPERATION

- NOTES:
- VERIFY UNIT WIRE TERMINATIONS
 - LOCATE SPACE SENSOR ACCORDING TO MECHANICAL DRAWINGS
 - ECONOMIZERS TO BE PROVIDED BY UNIT MANUFACTURER
- LEGEND:
- PROVIDED BY CONTROLS CONTRACTOR
 - PROVIDED BY ELECTRICAL CONTRACTOR
 - PROVIDED BY MECHANICAL CONTRACTOR
 - LOW VOLTAGE DC WIRING
 - LOW VOLTAGE AC WIRING
 - LINE VOLTAGE AC WIRING



VAV BOX - COOLING ONLY FLOW DIAGRAM
REFER TO VAV BOX SCHEDULE AND MECHANICAL PLANS



VAV BOX - COOLING ONLY BAS WIRING AND FLOW DIAGRAM

BILL OF MATERIALS - FIELD DEVICES					
DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
TE-1	10	MS-2000-BT	MICROSET II SPACE SENSOR	-	ALERTON

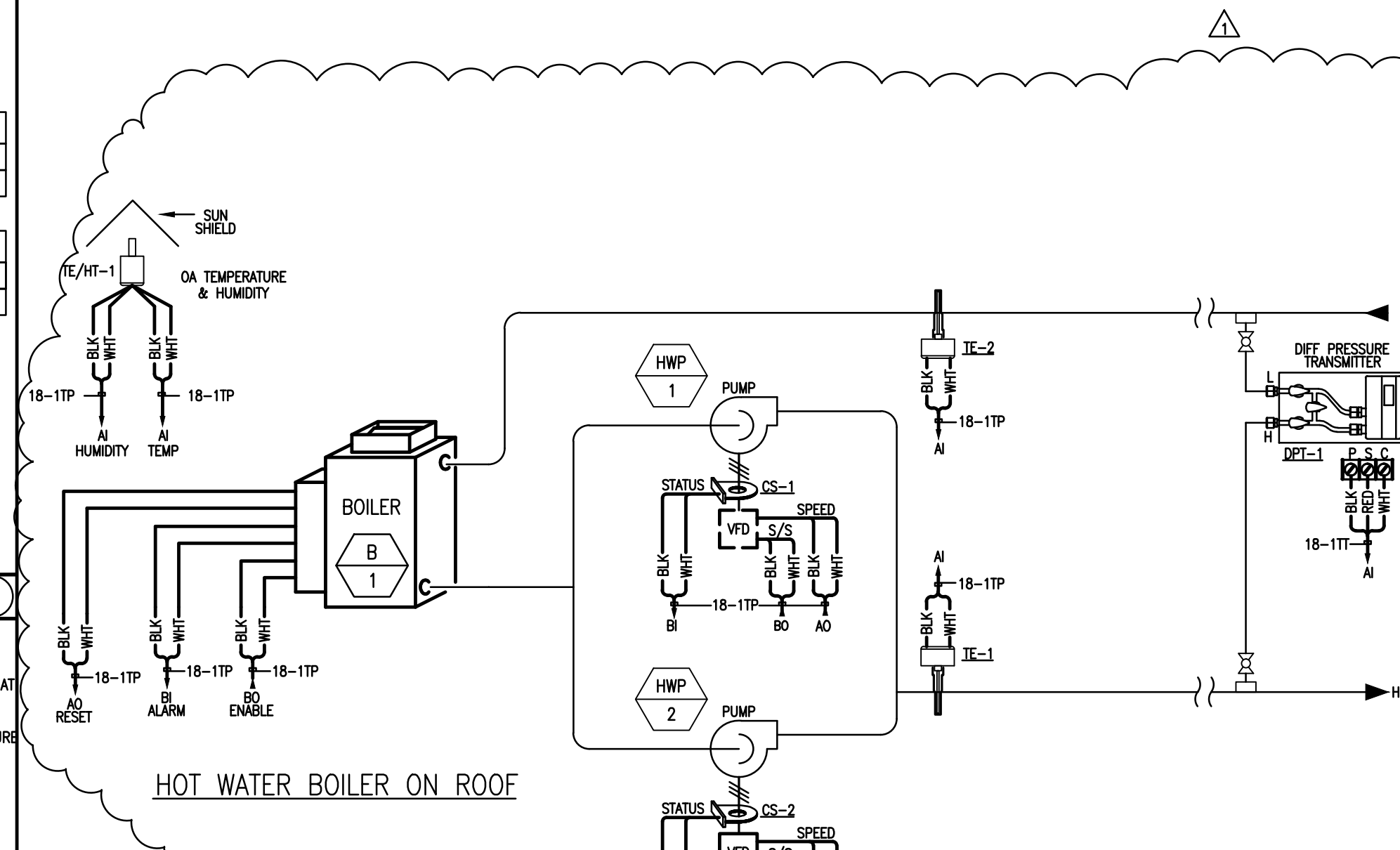
BILL OF MATERIALS - PANEL DEVICES					
DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
C-1	10	VAVH-SD	VAV CONTROLLER W/INTEGRAL ACTUATOR	-	ALERTON

BILL OF MATERIALS

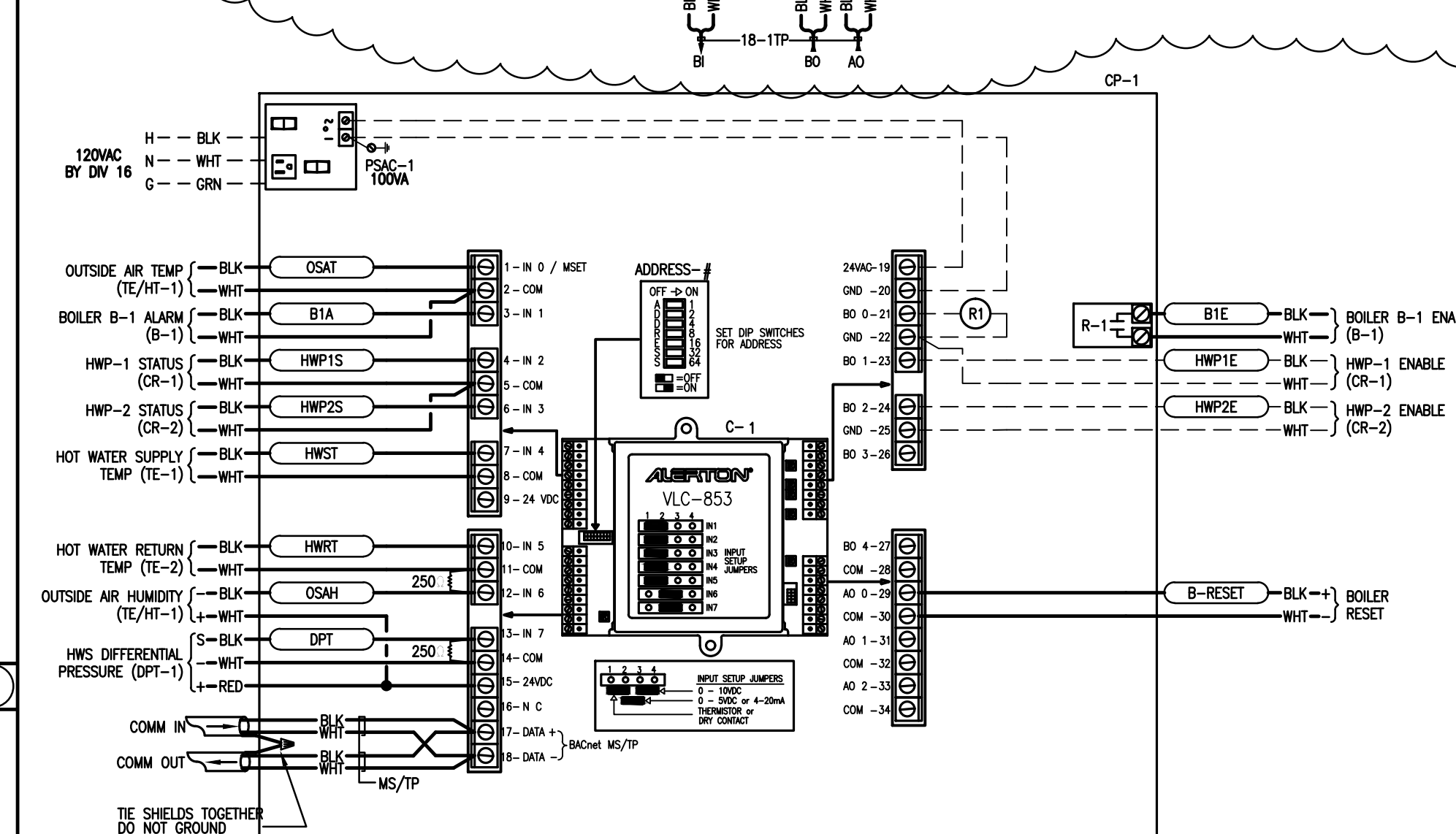
- SEQUENCE OF OPERATION FOR VAV BOX
- THE ZONE WILL BE ACTIVATED BY AN OCCUPIED COMMAND FROM A USER DEFINED SCHEDULE OR AN AFTER HOUR OVERRIDE INITIATED AT THE SPACE SENSOR.
 - THE SPACE TEMPERATURE PI CONTROL LOOP WILL RESET THE VAV BOX VELOCITY CONTROL SETPOINT TO MAINTAIN A SPACE TEMPERATURE SETPOINT (INITIALLY SET AT 72°F).

SEQUENCE OF OPERATION

- NOTES:
- CROSS FLOW SENSORS SHALL BE PROVIDED AND INSTALLED BY VAV BOX MANUFACTURER
 - VAV BOX ENCLOSURES, SERVICE SWITCH, AND TRANSFORMERS PROVIDED AND INSTALLED BY BOX MANUFACTURER
 - TO VAV BOX CROSS FLOW SENSORS
- LEGEND:
- PROVIDED BY CONTROLS CONTRACTOR
 - PROVIDED BY ELECTRICAL CONTRACTOR
 - PROVIDED BY MECHANICAL CONTRACTOR
 - LOW VOLTAGE DC WIRING
 - LOW VOLTAGE AC WIRING
 - LINE VOLTAGE AC WIRING



HOT WATER BOILER ON ROOF



HOT WATER SYSTEM WIRING AND FLOW DIAGRAM

BILL OF MATERIALS - FIELD DEVICES					
DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
TE-1-2	2	TS-2125-ME-10	IMMERSION TEMP SENSOR - 2.5"/10K	-	ALERTON
TE-1-2	2	TS-3125-C-00	IMMERSION WELL - 2.5"	-	ALERTON
TE/HIT-1	1	HOZAKSTD	OSA RH/TEMP SENSOR - 2% NST/4-20mA/10k	-	VERIS
CR-1-2	2	H30	CURRENT SWITCH/RELAY	-	VERIS
HWP-1	1	SEE VAV SCHED.	BYPASS VALVE	-	BEIMO
DPT-1	1	PHV3030B	DIFFERENTIAL PRESSURE TRANSDUCER, 4-20mA, 0.5PSID	-	VERIS

BILL OF MATERIALS - PANEL DEVICES					
DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
C-1	1	VLC-853	BACNET CONTROLLER	-	ALERTON
PSAC-1	1	PSH1068T0	24VAC POWER SUPPLY - 100MA	-	FUNCTIONAL DEVICES
R-1	1	VW016-F2AM	RELAY	-	VERIS
R-1	1	VWB16-C	RELAY SOCKET	-	VERIS
CP-1	1	A-20R16MCR	NEMA 3R ENCLOSURE	-	HOFFMAN
CP-1	1	A-20P16	SUBPANEL FOR ABOVE ENCLOSURE	-	HOFFMAN

BILL OF MATERIALS

- HOT WATER SYSTEM OPERATION
- WHEN THE HOT WATER SYSTEM IS COMMANDED TO START, BY THE AUTOMATION SYSTEM OR BY A MANUAL COMMAND FROM THE OPERATOR, THE HOT WATER PUMP WILL START.
 - THE LEAD BOILER IS ENABLED TO OPERATE. THE BOILER WILL RUN ON ITS INTERNAL CONTROLS TO MAINTAIN A NOT WATER SUPPLY TEMPERATURE THAT IS ADJUSTABLE RESET FROM OIL.
 - ALLOW A DELAY OF 30 MINUTES BETWEEN BOILER START OR STOP CYCLE TO ALLOW SYSTEM TO SETTLE.
 - IF THE HOT WATER TEMPERATURE FALLS TO 10°F OR LESS THAN THE BOILER SETPOINT, FOR MORE THAN 5 MINUTES, AN ALARM WILL BE SENT TO THE BAS.

SEQUENCE OF OPERATION

- NOTES:
- PROVIDED BY CONTROLS CONTRACTOR
 - PROVIDED BY ELECTRICAL CONTRACTOR
 - PROVIDED BY MECHANICAL CONTRACTOR
 - LOW VOLTAGE DC WIRING
 - LOW VOLTAGE AC WIRING
 - LINE VOLTAGE AC WIRING

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APPL03-115771
AC FLS SS
DATE

KEY PLAN
[Diagram showing building layout with key plan symbols]

REVISION SCHEDULE

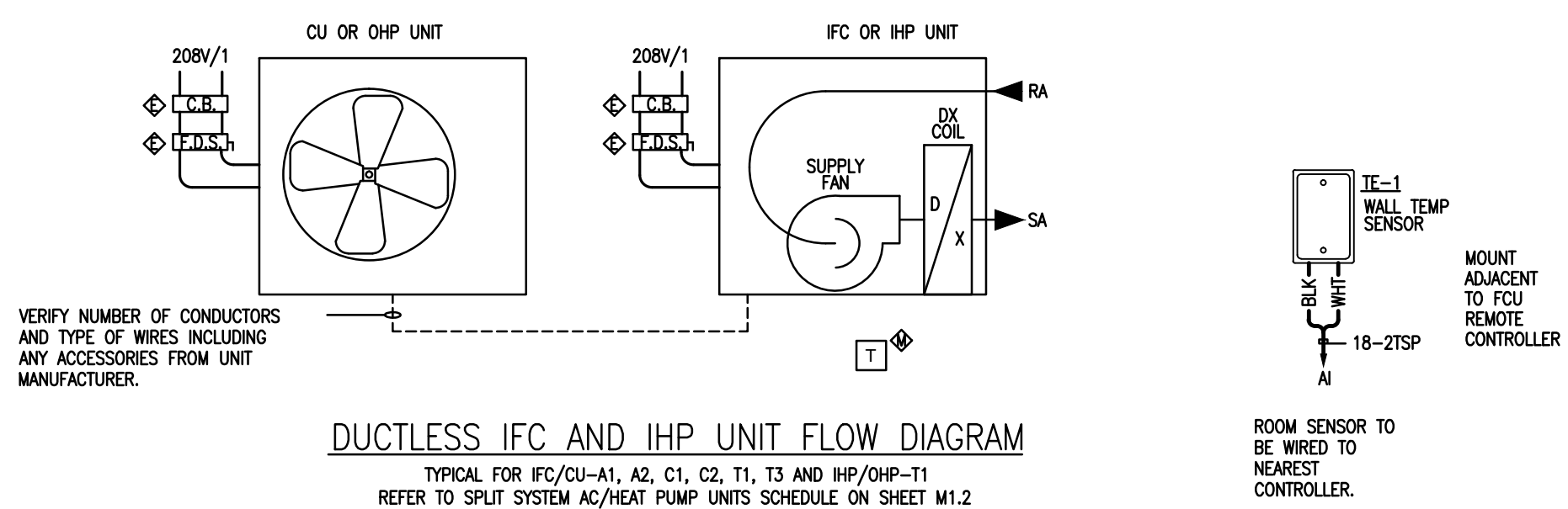
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05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN: R.M CHKD: F.T
DATE: 04/08/2015 SCALE:
PROJECT NUMBER: 1310700

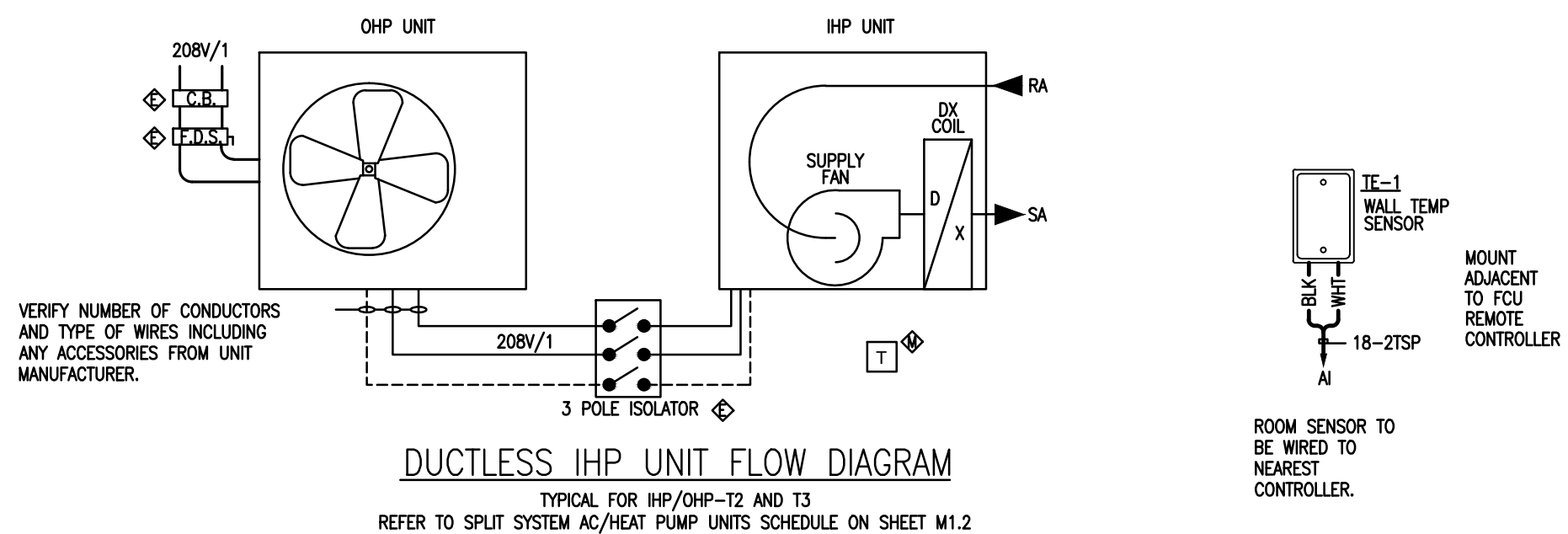
CONTROLS AND WIRING DIAGRAMS
DRAWING NUMBER: **M6.2**

\\FS01\Shared\PROJECTS\2015_Jobs\131071_Rowland_High_School_Addition\BAS_CONTROLS.dwg

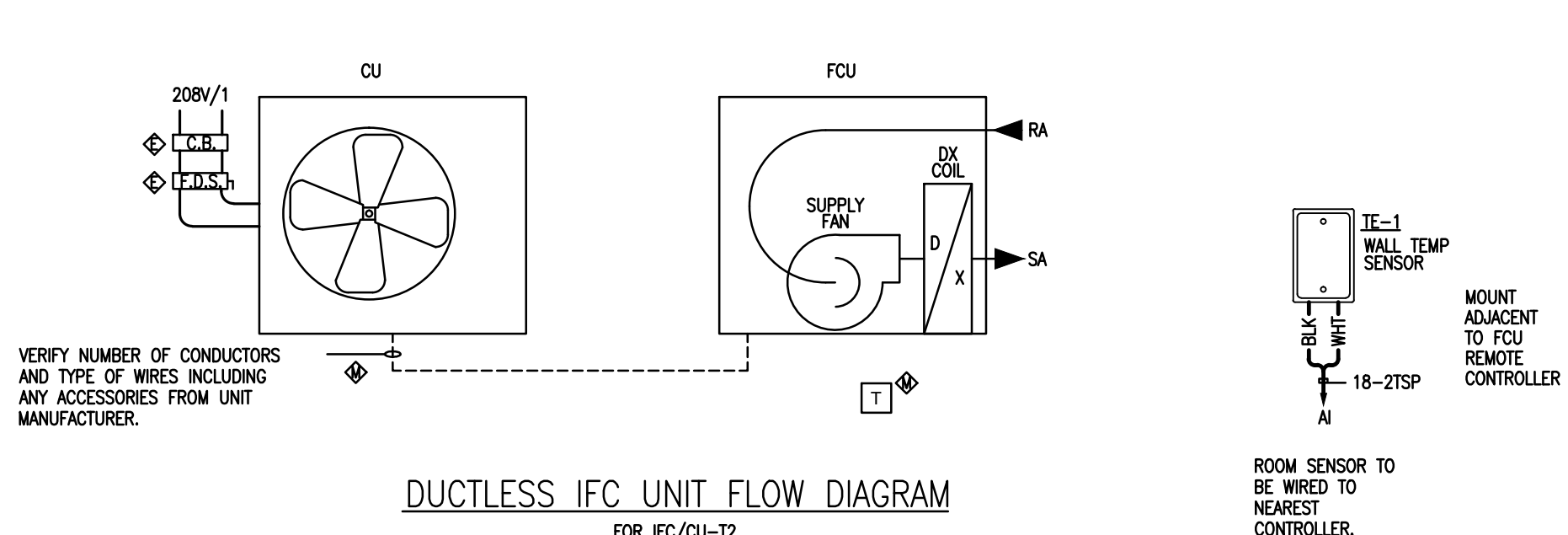
CARRIER DX SPLIT UNITS



WIRING DIAGRAM #1



WIRING DIAGRAM #2



WIRING DIAGRAM #3

BILL OF MATERIALS - FIELD DEVICES

DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
TE-1	10	TS-1102-WA-10-AA	SS WALL PLATE SENSOR 10K2	-	ALERTON

BILL OF MATERIALS

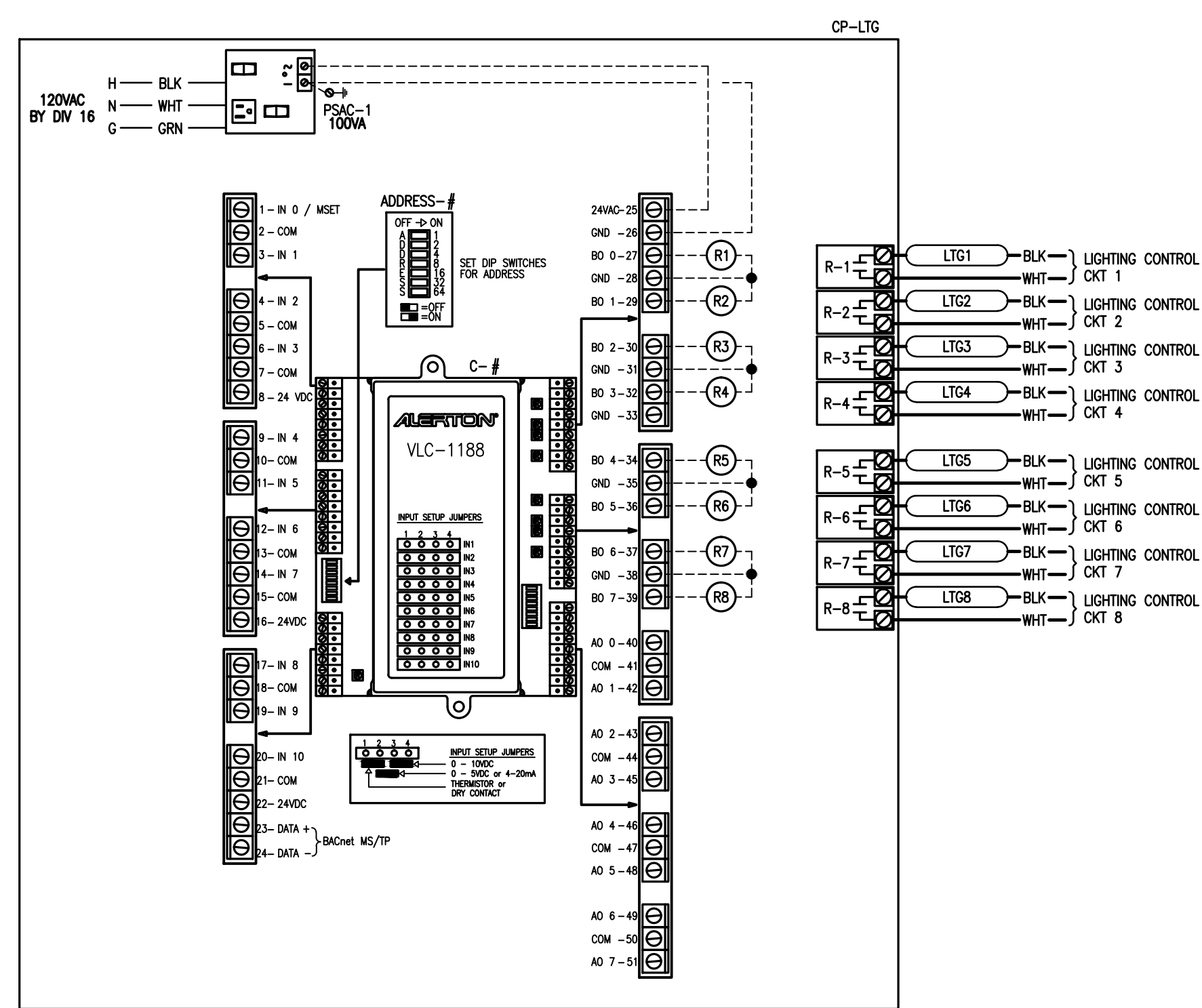
SEQUENCE OF OPERATION
FAN COIL UNITS OPERATE 24/7.
THE FAN COIL UNIT IS A DUCTLESS SYSTEM WITH INDEPENDENT CONTROLS. INTEGRATED INTO THE UNIT IS A WIRELESS ZONE SENSOR. THE DDC SYSTEM IS LIMITED TO MONITORING OF THE SPACE TEMPERATURE ONLY FOR HIGH TEMPERATURE CONDITIONS.

SEQUENCE OF OPERATION

NOTES:
 ◆ = PROVIDED BY CONTROLS CONTRACTOR
 ◆ = PROVIDED BY ELECTRICAL CONTRACTOR
 ◆ = PROVIDED BY MECHANICAL CONTRACTOR
 --- LOW VOLTAGE DC WIRING
 --- LOW VOLTAGE AC WIRING
 --- LINE VOLTAGE AC WIRING

LEGENDS AND NOTES

TYPICAL FOR BUILDING T, A AND C



LIGHTING CONTROL BAS WIRING TYPICAL FOR BLDGS. T, A, & C

BILL OF MATERIALS - PANEL DEVICES

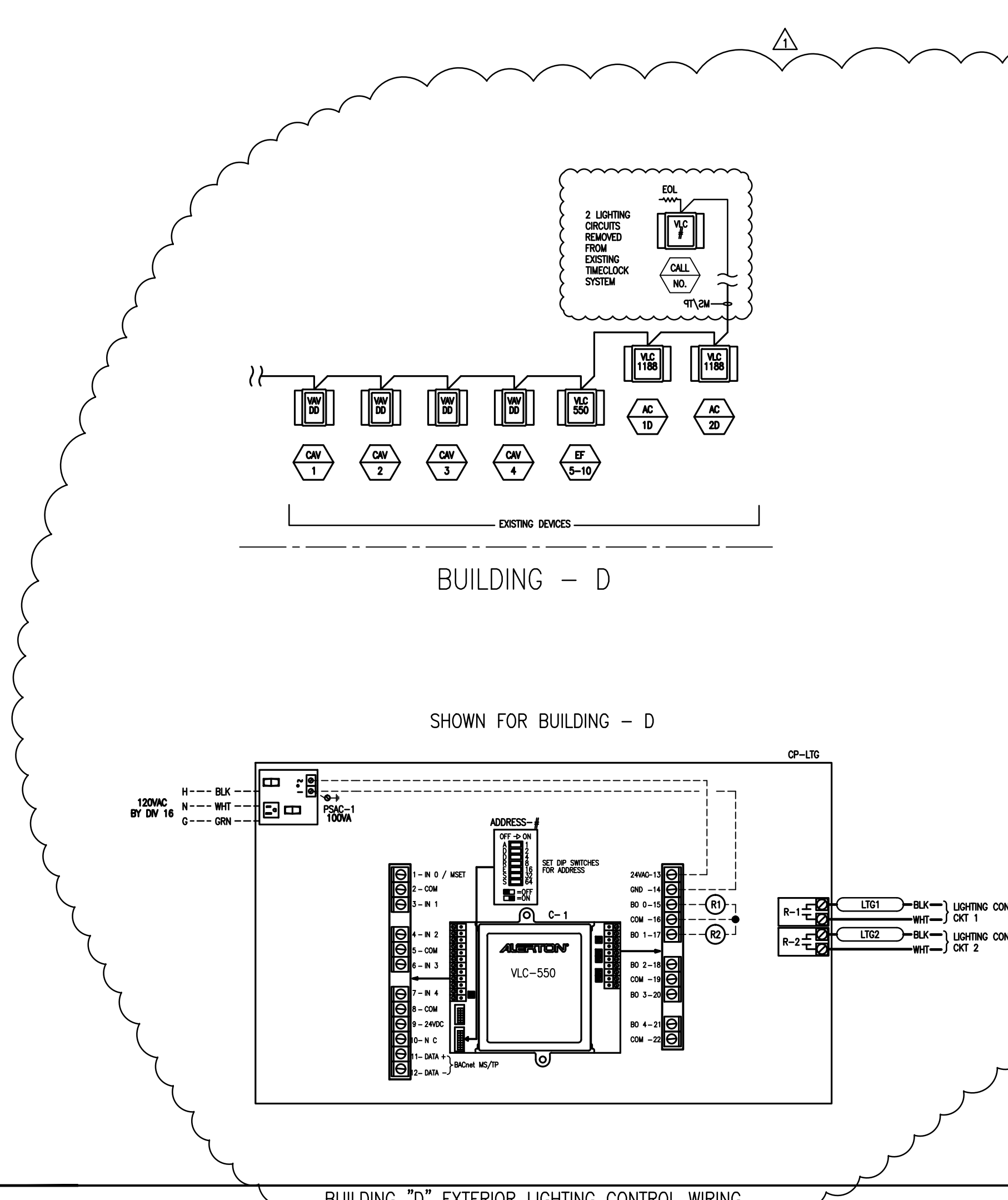
DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
C-1	3	VLC-1188	BACNET CONTROLLER	-	ALERTON
PSMC-1	3	PSH100AB10	120/24VAC POWER SUPPLY	-	FUNCTIONAL DEVICES
R-1-R-8	24	WDB18-F24A	RELAY	-	VERIS
R-1-R-8	24	WDB18-C	RELAY SOCKET	-	VERIS
CP-LTG	3	567-351	NEMA 1 ENCLOSURE	-	SIEMENS

BILL OF MATERIALS

NOTES:
 1. INSTALLED AND WIRED BY DW-16

LEGEND:
 ◆ = PROVIDED BY CONTROLS CONTRACTOR
 ◆ = PROVIDED BY ELECTRICAL CONTRACTOR
 ◆ = PROVIDED BY MECHANICAL CONTRACTOR
 --- LOW VOLTAGE DC WIRING
 --- LOW VOLTAGE AC WIRING
 --- LINE VOLTAGE AC WIRING

LEGENDS AND NOTES



BILL OF MATERIALS - PANEL DEVICES

DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
C-1	2	VLC-550	BACNET CONTROLLER	-	ALERTON
PSMC-1	2	PSH100AB10	120/24VAC POWER SUPPLY	-	FUNCTIONAL DEVICES
R-1-R-2	4	WDB18-F24A	RELAY	-	VERIS
R-1-R-2	4	WDB18-C	RELAY SOCKET	-	VERIS
CP-LTG	2	567-351	NEMA 1 ENCLOSURE	-	SIEMENS

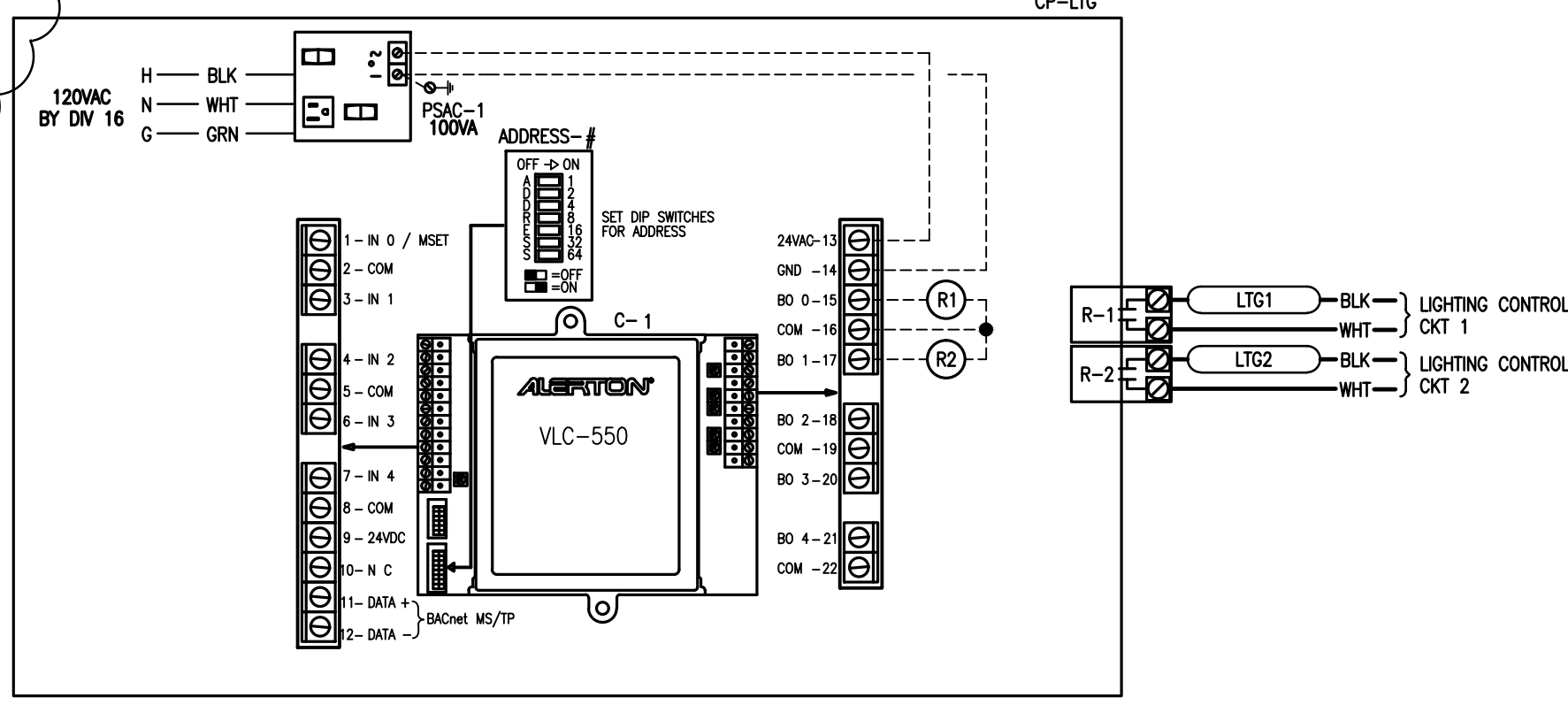
BILL OF MATERIALS

SEQUENCE OF OPERATION

NOTES:
 ◆ = PROVIDED BY CONTROLS CONTRACTOR
 ◆ = PROVIDED BY ELECTRICAL CONTRACTOR
 ◆ = PROVIDED BY MECHANICAL CONTRACTOR
 --- LOW VOLTAGE DC WIRING
 --- LOW VOLTAGE AC WIRING
 --- LINE VOLTAGE AC WIRING

LEGENDS AND NOTES

TYPICAL FOR BUILDING ASB AND SE



LIGHTING CONTROL BAS WIRING TYPICAL FOR BLDGS. ASB AND SE

BILL OF MATERIALS - PANEL DEVICES

DEVICE	QTY	PART#	DESCRIPTION	RANGE	MANUFACTURER
C-1	2	VLC-550	BACNET CONTROLLER	-	ALERTON
PSMC-1	2	PSH100AB10	120/24VAC POWER SUPPLY	-	FUNCTIONAL DEVICES
R-1-R-2	4	WDB18-F24A	RELAY	-	VERIS
R-1-R-2	4	WDB18-C	RELAY SOCKET	-	VERIS
CP-LTG	2	567-351	NEMA 1 ENCLOSURE	-	SIEMENS

BILL OF MATERIALS

NOTES:
 1. INSTALLED AND WIRED BY DW-16

LEGEND:
 ◆ = PROVIDED BY CONTROLS CONTRACTOR
 ◆ = PROVIDED BY ELECTRICAL CONTRACTOR
 ◆ = PROVIDED BY MECHANICAL CONTRACTOR
 --- LOW VOLTAGE DC WIRING
 --- LOW VOLTAGE AC WIRING
 --- LINE VOLTAGE AC WIRING

LEGENDS AND NOTES

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KEY PLAN
 (B) BUILDINGS
 (N) BUILDINGS

REVISION SCHEDULE

NO	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

DRWN: R.M CHKD: F.T
 DATE: 04/08/2015 SCALE:
 PROJECT NUMBER: 1310700

CONTROLS AND WIRING DIAGRAMS

DRAWING NUMBER: **M6.3**

GENERAL NOTES

- BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR PROBLEMS.
- EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE FIXTURE LOCATIONS AND MOUNTING HEIGHTS. FURNISH ALL EXPOSED HOT AND COLD WATER AND DRAIN PIPING BELOW ALL LAVATORIES AND SINKS WITH MCGUIRE PROWRAP PRE-WRAPPED TAPPIECES AND P-TRAPS. ALL ACCESSIBLE WATER CLOSET FLUSHING LEVERS SHALL BE TO THE WIDE SIDE OF THE STALL.
- TRAPS FOR ALL LAVATORIES AND SINKS SHALL TRAP STRAIGHT BACK TO WALL WITH ALL REQUIRED OFFSETS HAPPENING WITHIN THE WALL.
- ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
- ALL CLEANOUTS SHALL BE INSTALLED WHERE EASILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH ALL EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
- ALL PLUMBING FIXTURE VENTS TO TERMINATE A MIN. OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.
- ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS INDICATED ON DRAWINGS.
- UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH VALVE AND AND PRIOR TO ALL EQUIPMENT CONNECTIONS.
- ALL WORK SHALL BE PERFORMED AND ALL MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHERS APPLICABLE TO THIS PROJECT:
 - 2013 California Building Standards Administrative Code, Part 1, CBCS
 - 2013 California Building Code (CBC), Part 2, CBCS
 - 2013 International Building Code and California Amendments
 - 2013 California Electrical Code (CEC), Part 3, CBCS
 - 2013 National Electrical Code and California Amendments
 - 2013 California Mechanical Code (CMC), Part 4, CBCS
 - 2013 Uniform Mechanical Code and California Amendments
 - 2013 California Plumbing Code (CPC), Part 5, CBCS
 - 2013 Uniform Plumbing Code and California Amendments
 - 2013 California Energy Code, Part 6, CBCS
 - 2013 California Historical Building Code, Part 8, CBCS
 - 2013 California Fire Code, Part 9, CBCS
 - 2013 International Fire Code and California Amendments
 - 2013 California Referenced Standards, Part 12, CBCS
- PARTIAL LIST OF APPLICABLE NFPA STANDARDS**
 - NFPA 13, Automatic Sprinkler Systems, 2010 Edition
 - NFPA 51, Design and Installation of Oxygen-fuel Gas Systems for Welding, Cutting, and Allied Processes, 2010 Edition
 - NFPA 72, National Fire Alarm Code (California Amendments) 2010 Edition (Note: See UL Standard 1971 for "Visual Devices")
 - Reference code section for NFPA Standards - CBC (SFM) Chapter 35
 - ASME A17.1-2004
 - ASME A18.1-2003
- BEFORE FABRICATION OR INSTALLATION THIS CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN THE FIELD.
- ALL CONNECTIONS TO SITE PIPING SHALL BE DONE BY THE PLUMBING CONTRACTOR.
- ALL SOIL, WASTE AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED ON THE PLANS.
- ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTERS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.

EQUIPMENT ANCHORAGE NOTES

- MEP COMPONENT ANCHORAGE NOTE:**
- ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTION 1615A.1.2 THROUGH 1615A.1.22 AND ASCE 7-05, CHAPTER 6 AND 13.
- ALL PERMANENT AND COMPONENTS.
 - TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
 - MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
- THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.
- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
 - COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS LESS THAN 5 POUNDS PER FOOT WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.
- FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR SHALL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.
- PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:**
- PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN ASCE 7-05 SECTION 13.3 AS DEFINED IN ASCE 7-05 SECTION 13.6.8, 13.6.7 AND 13.6.6, AND 2013 CBC SECTIONS 1615A.1.20, 1615A.1.21 AND 1615A.1.22.
- THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS WITH (OPA #), MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.
- COPIES OF THE MANUAL SHALL BE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.
- THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

LOW PRESSURE NATURAL GAS PIPE SIZING TABLE

CPC TABLE 12-8

MAXIMUM DELIVERY CAPACITY OF SCHEDULE 40 METALLIC PIPE CARRYING NATURAL GAS OF 0.60 SPECIFIC GRAVITY BASED ON A PRESSURE DROP OF 0.5" WATER COLUMN, GAS PRESSURE 8" WC

NOMINAL ID	PIPE SIZE IN INCHES					
	1/2	3/4	1	1-1/4	1-1/2	2
LENGTH (FT)	CAPACITY IN CUBIC FEET OF GAS PER HOUR					
10	172	360	678	1,390	2,090	6,400
20	118	247	466	957	1,430	4,400
30	95	199	374	768	1,150	3,530
40	81	170	320	657	985	3,020
50	72	151	284	583	873	2,680
60	65	137	257	528	791	2,430
70	60	126	237	486	728	2,230
80	56	117	220	452	677	2,080
90	52	110	207	424	635	1,950
100	50	104	195	400	600	1,840
125	44	92	173	355	532	1,630
150	40	83	157	322	482	1,480
175	37	77	144	296	443	1,360
200	34	71	134	275	412	1,270
250	30	63	119	244	366	1,120
300	27	57	108	221	331	1,020
350	25	53	99	203	305	935
400	23	49	92	189	283	870

GAS LOAD SUMMARY

EQUIPMENT	CFH
HVAC UNITS GR-1	144
HVAC UNITS GR-2	432
HVAC UNITS GR-3	754
TOTAL DESIGN GAS LOAD	1330

FIXTURE MOUNTING LOCATIONS

FIXTURE	DIMENSION	A (inches)
Toilet centering from wall		18
Toilet seat height, to top of seat		17-19
Grab bar height (centerline)		33
Toilet paper in front of toilet		12 max.
Napkin disposal in front of toilet		12 max.
Dispenser height		40 max.
Lavatory/Sink top height		34 max.
Lavatory/Sink knee clearance		27 min.
Urinal lip height		17 max.
Urinal/toilet flush handle height		44 max.
Drinking fountain bubbler height		36 max.
Drinking fountain knee clearance		27 min.
Ramp/stair handrail height		34-38

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

ITEM	FIXTURE	ROUGH-IN CONNECTIONS						DESCRIPTION
		WASTE	VENT	HOT WATER	COLD WATER	GAS		
WC-1	WATER CLOSET	4"	2"	-	1"	-	AMERICAN STANDARD NO. 3451.001, "MADERA" FLOWISE 15" HEIGHT, FLOOR MOUNTED, ELONGATED BOWL, 1.28 GPF, WATER SAVER COMPLETE WITH SLOAN "ROYAL" NO. 111-128, 1.28 FLUSH VALVE, CHURCH NO. 9505SCT SELF-SUSTAINING SEAT AND BOLT CAPS.	
WC-2	WATER CLOSET (ADA)	4"	2"	-	1"	-	AMERICAN STANDARD NO. 3461.001, "MADERA" FLOWISE 16-1/2" HEIGHT, FLOOR MOUNTED, ADA ACCESSIBLE, ELONGATED BOWL, 1.28 GPF, WATER SAVER, COMPLETE WITH SLOAN "ROYAL" NO. 111-128, 1.28 FLUSH VALVE, CHURCH NO. 9505SCT SELF-SUSTAINING SEAT AND BOLT CAPS.	
UR-1	URINAL	2"	1 1/2"	-	3/4"	-	AMERICAN STANDARD NO. 8590.503, "WASHBROOK FLOWISE" WALL HUNG, SIPHON JET, WATER SAVER, 0.125 GPF, COMPLETE WITH SLOAN REGAL NO. 186-0.125 HEU FLUSH VALVE, ZURN NO. Z-1222 WALL HANGER.	
UR-2	URINAL (ADA)	2"	1 1/2"	-	3/4"	-	SAME AS UR-1 EXCEPT MOUNTED AT ACCESSIBLE HEIGHT (SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT AND EXACT FIXTURE LOCATION.)	
L-1	LAVATORY STUDENT	2"	1 1/2"	-	1/2"	-	AMERICAN STANDARD NO. 0356.421, "LUCERNE" WALL MOUNTED, COMPLETE WITH CHICAGO NO. 333-E2805-317ABCP FAUCET, ZURN NO. Z-1254 CARRIER WITH STEEL PLATE, MCGUIRE NO. BV2165 QUARTER TURN BALL VALVE STOP WITH RIGID SUPPLY, MCGUIRE NO. 155WC OFFSET GRID DRAIN AND MCGUIRE NO. MCT12508NC P-TRAP WITH PLUMBEREX MODEL X4444 PRO EXTREME ADA COMPLIANT UNDER-LAV COVER.	
L-2	LAVATORY FACULTY	2"	1 1/2"	1/2"	1/2"	-	AMERICAN STANDARD NO. 0356.421, "LUCERNE" WALL MOUNTED, COMPLETE WITH CHICAGO NO. 802-VE2805-317ABCP FAUCET, ZURN NO. Z-1254 CARRIER WITH STEEL PLATE, MCGUIRE NO. BV2165 QUARTER TURN BALL VALVE STOP WITH RIGID SUPPLY, MCGUIRE NO. 155WC OFFSET GRID DRAIN AND MCGUIRE NO. MCT12508NC P-TRAP WITH PLUMBEREX MODEL X4444 PRO EXTREME ADA COMPLIANT UNDER-LAV COVER.	
L-3	LAVATORY FACULTY	2"	1 1/2"	1/2"	1/2"	-	AMERICAN STANDARD NO. 0478.028, "AQUALYN" COUNTER MOUNTED, COMPLETE WITH CHICAGO NO. 802-VE2805-317ABCP FAUCET, MCGUIRE NO. BV2165 QUARTER TURN BALL VALVE STOP WITH RIGID SUPPLY, MCGUIRE NO. 155WC OFFSET GRID DRAIN AND MCGUIRE NO. MCT12508NC P-TRAP WITH PLUMBEREX MODEL X4444 PRO EXTREME ADA COMPLIANT UNDER-LAV COVER.	
S-1	SINK (ACCESSIBLE)	2"	1 1/2"	1/2"	1/2"	-	JUST NO. SL-ADA-1921-A-GR, 3 HOLE PUNCHED, SINGLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL, SELF-RIMMING, 19" X 21" X 6-1/2" DEEP, COMPLETE WITH CHICAGO NO. 895-317E38ABCP FAUCET, CHICAGO NO. NO. 1017-ABCP LOOSE KEY STOPS WITH RIGID SUPPLIES, MCGUIRE NO. PWH152WC DRAIN AND MCGUIRE NO. PWH8090NCO P-TRAP COVER.	
S-2	SINK (ACCESSIBLE)	2"	1 1/2"	1/2"	1/2"	-	JUST NO. SL-ADA-2231-A-GR, 3 HOLE PUNCHED, DOUBLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL, SELF-RIMMING, 22" X 31" X 6-1/2" DEEP, COMPLETE WITH CHICAGO NO. 895-317E38ABCP FAUCET, CHICAGO NO. 1006-ABCP LOOSE KEY STOPS WITH BRANDED STEEL SUPPLIES, MCGUIRE NO. 8090CNC P-TRAP AND PLUMBEREX NO. 3071WD WASTE DISPOSAL & P-TRAP COVER.	
S-3	SINK (ACCESSIBLE)	2"	1 1/2"	1/2"	1/2"	-	JUST NO. J-ADA-4820, SINGLE COMPARTMENT, 14 GAUGE TYPE 304 STAINLESS STEEL, WALL MOUNTED, 48" X 20" X 6-1/2" DEEP, J-35-FS DRAIN, LA PATTERNS "P" TRAP, PROVIDE WITH 14 GAUGE STAINLESS STEEL BRACKETS, PROVIDE WITH PUNCHING FOR INSTALLATION OF (2) CHICAGO NO.225-2618BCP FAUCET WITH 369 HANDLES, CHICAGO NO. 1006-ABCP LOOSE KEY STOPS WITH BRANDED STEEL SUPPLIES, PLUMBEREX NO. 3071WD WASTE DISPOSAL & P-TRAP COVER.	
MS-1	MOP SINK	3"	2"	3/4"	3/4"	-	AMERICAN STANDARD MODEL 7745.811, ENAMELED CAST IRON CORNER FLOOR MOUNTED, COMPLETE WITH CHICAGO FAUCETS NO. 540-D875WYFABCP FAUCET WITH INTEGRAL STOPS, PAIL HOOK, WALL BRACE, VACUUM BREAKER, CECO NO. B71-3IPS DRAIN STRAINER.	
MS-2	MOP SINK	3"	2"	3/4"	3/4"	-	AMERICAN STANDARD MODEL 7695.008, ENAMELED CAST IRON CORNER FLOOR MOUNTED, COMPLETE WITH CHICAGO FAUCETS NO. 305-VBOP FAUCET WITH INTEGRAL STOPS, PAIL HOOK, VACUUM BREAKER, CECO NO. B71-3IPS DRAIN STRAINER.	
HB-1	HOSE BIBB	-	-	-	3/4"	-	ACORN MODEL 8120, WALL MOUNTED COMPLETE WITH VACUUM BREAKER.	
HB-2	HOSE BIBB	-	-	-	3/4"	-	ACORN MODEL 8126-LF, POST MOUNTED COMPLETE WITH VACUUM BREAKER.	
HB-3	HOSE BIBB	-	-	-	3/4"	-	ACORN MODEL 8104, RECESSED WALL MOUNTED COMPLETE WITH VACUUM BREAKER.	
DF-1	DRINKING FOUNTAIN (ADA)	2"	1 1/2"	-	1/2"	-	HAMS NO. 1117L, BARRIER FREE, 18 GAUGE TYPE 304 STAINLESS STEEL, WALL MOUNTED, LEAD FREE, VANDAL-RESISTANT, GALVANIZED FRAME AND 10 GAUGE SURFACE PLATE.	
FD-1	FLOOR DRAIN	2"	1 1/2"	-	1/2"	-	MIFAB MODEL ADA, P8012-ED-LCB, STAINLESS STEEL BODY AND GRATE, VANDAL PROOF, HEEL PROOF, TOP 1/2" MAX. OPENINGS, FLASHING COLLAR, TRAP PRIMER CONNECTION AND P-TRAP.	
FS-1	FLOOR SINK	2"	1 1/2"	-	1/2"	-	ZURN NO. Z-1901-NH-2-P, CAST IRON, COMPLETE WITH ACID-RESISTING ENAMELED INSIDE, NICKEL BRONZE HEELPROOF HALF GRATE WITH 1/4" SQUARE OPENINGS, ALUMINUM DOME STRAINER, SEEPAGE FLANGE, TRAP PRIMER CONNECTION AND P-TRAP.	
FS-2	FLOOR SINK	3"	1 1/2"	-	1/2"	-	ZURN NO. Z-1901-NH-2-P, CAST IRON, COMPLETE WITH ACID-RESISTING ENAMELED INSIDE, NICKEL BRONZE HEELPROOF HALF GRATE WITH 1/4" SQUARE OPENINGS, ALUMINUM DOME STRAINER, SEEPAGE FLANGE, TRAP PRIMER CONNECTION AND P-TRAP.	
RD-1	ROOF DRAIN	-	-	-	-	-	ZURN NO. Z-164-NH-VP, ROOF AND OVERFLOW COMBO-DRAIN PACKAGE DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION MEMBRANE FLASHING CLAMP/GRATEL GUARDS, DOUBLE TOP-SEAL DECK PLATE AND LOW SILHOUETTE CAST IRON DOME.	
GT-1	GREASE INTERCEPTOR	4"	3"	-	-	-	JENSEN MODEL NO. JPT590, COMPLETE WITH 24" CAST IRON FRAME AND COVER WITH GASKET, 4" PVC INLET AND OUTLET FITTINGS.	
WHA-1	WATER HAMMER ARRESTER	-	-	-	-	-	P.P.P. MODEL SC, WITH COPPER BARREL, (SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS)	
TP-1	TRAP PRIMER (SINGLE)	-	-	-	1/2"	-	P.P.P. NO. PR-500, LEAD FREE BRASS BODY AND CAP COMPLETE WITH NEOPERL CHECK VALVE, NITRILE O-RINGS, AND STAINLESS STEEL SCREEN WITH 1/2" TYPE 1" COPPER PIPE TO RECEPTOR, INSTALL WITH A MINIMUM OF 24" ABOVE FINISH FLOOR, BEHIND ACCESS PANEL.	
MV-1	MIXING VALVE	-	-	SEE PLAN	SEE PLAN	-	WILKINS "AQUA-GARD" MODEL NO. ZW1017XL, LEAD FREE.	
MV-1T	MIXING VALVE	-	-	SEE PLAN	SEE PLAN	-	WILKINS "AQUA-GARD" MODEL NO. ZW1017XL, LEAD FREE.	
MV-2T	MIXING VALVE	-	-	SEE PLAN	SEE PLAN	-	WILKINS "AQUA-GARD" MODEL NO. ZW1017XL, LEAD FREE.	
MV-1A	MIXING VALVE	-	-	SEE PLAN	SEE PLAN	-	WILKINS "AQUA-GARD" MODEL NO. ZW1017XL, LEAD FREE.	
SSV-1	SEISMIC SHUTOFF VALVE	-	-	-	-	3"	PACIFIC SEISMIC PRODUCTS MODEL NO. 315 SERIES, HORIZONTAL VALVE.	
SSV-2	SEISMIC SHUTOFF VALVE	-	-	-	-	2"	PACIFIC SEISMIC PRODUCTS MODEL NO. 314 SERIES, HORIZONTAL VALVE.	
FCO	FLOOR CLEAN-OUT	SEE PLAN	-	-	-	-	ZURN MODEL NO. Z1400-NH-BP-SM	
WCO	WALL CLEAN-OUT	SEE PLAN	-	-	-	-	ZURN MODEL NO. Z1446-NH-VP	
DN-1	DOWNSPOUT NOZZLE	SEE PLAN	-	-	-	-	ZURN MODEL NO. Z199-NH	
GD-1	GUTTER DRAIN	SEE PLAN	-	-	-	-	JR SMITH FIG. 1630T WITH BRONZE MESH SCREEN	
CST-1	CIRCUIT SETTER	-	-	3/4"	-	-	THERMO OMEGA TECH CIRCUIT SOLVER 314"	
CST-2	CIRCUIT SETTER	-	-	3/4"	-	-	THERMO OMEGA TECH CIRCUIT SOLVER 314"	
AD-1	AREA DRAIN	-	-	-	-	-	JR SMITH MODEL # 2010C-C WITH REINFORCED STRAINER, SEE PLANS FOR EXACT SIZES.	
DD-1	DECK DRAIN	-	-	-	-	-	JR SMITH MODEL # JRDX2009YAD9, SEE PLANS FOR EXACT SIZES.	
RR-1	ROOF RECEPTOR	2"	1 1/2"	-	-	-	JR SMITH MODEL # 3960-YRCE	
BFP-1	BACKFLOW PREVENTER	-	-	-	3/4"	-	ZONE OF REDUCED PRESSURE BACKFLOW PREVENTER WATTS FLF-909	

LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
---	S OR W	SOIL OR WASTE (ABOVE GRADE)
---	S OR W	SOIL OR WASTE (BELOW GRADE)
---	(E)W	EXISTING SOIL OR WASTE
---	V	SANITARY VENT
---	(E)V	EXISTING SANITARY VENT
---	CD	CONDENSATE DRAIN
---	CW	COLD WATER
---	(E)CW	EXISTING COLD WATER
---	HW	HOT WATER
---	HWR	HOT WATER RETURN
---	G	GAS (LOW PRESSURE)
---	(E)G	EXISTING GAS
---	FCO	FLOOR CLEANOUT
---	COTG	CLEANOUT TO GRADE
---	COYB	CLEANOUT IN YARDBOX
---	WCO	WALL CLEANOUT
---	SOV IN YB	SHUT-OFF VALVE IN YARD BOX
---	SOV	SHUT-OFF VALVE
---	CV	CHECK VALVE
---	GC	GAS COCK
---	VTR	VENT THRU ROOF
---	POC	POINT OF CONNECTION
---	I.E.	INVERT ELEVATION
---	CONN	CONNECTION
---	AP	ACCESS PANEL
---	W	WITH
---	FLR	FLOOR
---	CLG	CEILING
---	ABV	ABOVE
---	BEL	BELOW
---	DN	DOWN
---	YB	YARD BOX
---	CFH	CUBIC FEET PER HOUR

PRESSURE REDUCING VALVE SCHEDULE

SYMBOL	AREA SERVED	MANUFACTURER AND MODEL NO.	INCOMING PRESSURE	SET PRESSURE	REMARKS
PRV-1CB	CLASSROOM BUILDING	2" ZURN WILKINS ZW209BP	110#	70#	
PRV-1AB	ADMIN. BUILDING	1-1/2" ZURN WILKINS ZW209BP	110#	70#	
PRV-1ASB	ASB BUILDING	3/4" ZURN WILKINS 500XLYSBR	110#	70#	
PRV-1SEB	SPECIAL ED BUILDING	1-1/4" ZURN WILKINS ZW209SP	110#	70#	
PRV-1T	THEATRE BUILDING	2" ZURN WILKINS ZW209BP	110#	70#	
PRV-1THB	THEATRE BUILDING	2" ZURN WILKINS ZW209SP	110#	70#	

SHEET INDEX

DWG NO.	TITLE
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P1.3	PLUMBING SITE PLAN
PA2.0	ADMIN. BUILDING FIRST FLOOR PLUMBING PLAN
PA2.1	ADMIN. BUILDING SECOND FLOOR PLUMBING PLAN
PA2.2	ADMINISTRATION BUILDING ROOF PLUMBING PLAN
PC2.0	CLASSROOM BUILDING FIRST FLOOR PLUMBING PLAN
PC2.1	CLASSROOM BUILDING SECOND FLOOR PLUMBING PLAN
PC2.2	CLASSROOM BUILDING ROOF PLUMBING PLAN
PS2.0	ASB & SPECIAL ED BUILDINGS ROOF PLUMBING PLANS
PS2.1	ASB & SPECIAL ED BUILDINGS ROOF PLUMBING PLANS
PT2.0	PLUMBING THEATRE BUILDING FIRST FLOOR PLAN AREA A
PT2.1	PLUMBING THEATRE BUILDING FIRST FLOOR PLAN AREA B
PT2.2	PLUMBING THEATRE BUILDING FIRST FLOOR PLAN AREA C
PT2.3	PLUMBING THEATRE BUILDING LOWER CATWALK PLANS
PT2.4	PLUMBING THEATRE BUILDING CATWALK & FLY GALLERY PLANS
PT2.5	PLUMBING THEATRE BUILDING PARTIAL ROOF PLAN
PT2.6	PLUMBING THEATRE BUILDING PARTIAL ROOF PLAN
P3.0	ENLARGED PLUMBING PLANS
P3.1	ENLARGED PLUMBING PLANS
P3.2	ENLARGED PLUMBING PLANS
P3.3	ENLARGED PLUMBING PLANS
P3.4	ENLARGED PLUMBING PLANS
P3.5	ENLARGED PLUMBING PLANS

ELECTRIC WATER HEATER SCHEDULE									
SYMBOL	SERVICE	LOCATION	MANUFACTURER AND MODEL NUMBER	ELECTRIC				OUTPUT FLOW RATE	REMARKS
				VOLT	Ø	HZ	KW		
EW1C	CLASSROOM BUILDING	JANITOR ROOM C122	BRADFORD WHITE	480	3	60	6	-	6 KW UPPER & LOWER ELEMENT NON SIMULTANEOUS, 20 GALLON TANK 24.6 GPH @ 100° RISE.
EW1TH	THEATRE BUILDING		CHRONOMITE	480	3	60	6	-	6 KW UPPER & LOWER ELEMENT NON SIMULTANEOUS, 20 GALLON TANK 24.6 GPH @ 100° RISE.
EW1T	SEE PLANS	SEE PLANS	CHRONOMITE SR 20L/120	120	1	60	2.4	-	COORDINATE WITH ELECTRICAL.

GAS WATER HEATER SCHEDULE											
SYMBOL	SERVICE	LOCATION	MANUFACTURER & MODEL NO.	INPUT BTU/HR	GAS TYPE	EWT DG °F	LWT DG °F	GPH RECOVERY	VENT DIAMETER	OPERATING WEIGHT (LBS)	REMARKS
WH1A	ADMIN. BUILDING	JANITOR ROOM A124	BRADFORD WHITE U-50T-55FR-3N	55,000	NATURAL	-	-	43 @ 90 TEMP RISE	6"	575	LOW NOX. 48 GALLON TANK. 115V, 1Ø, 60HZ., 2 AMPS. WITH POLYSHIELD LINING

HOT WATER RETURN PUMP SCHEDULE										
SYMBOL	MANUFACTURER AND MODEL NO.	LOCATION	SERVICE	CAPACITY		MOTOR			REMARKS	
				GPM	HEAD TDH	HP	V	Ø		HZ
CP1A	BELL AND GOSSETT PL-45	ADM. BUILDING	HOT WATER RETURN	10-30	20	1/6	120	1	60	ALL BRONZE CONSTRUCTION
CP1C	BELL AND GOSSETT PL-45	CLASS ROOM BUILDING	HOT WATER RETURN	10-30	20	1/6	120	1	60	ALL BRONZE CONSTRUCTION
CP1T	BELL AND GOSSETT PL-45	THEATRE BUILDING	HOT WATER RETURN	10-30	20	1/6	120	1	60	ALL BRONZE CONSTRUCTION

EXPANSION TANK SCHEDULE								
SYMBOL	AREA SERVED	LOCATION	MANUFACTURER AND MODEL NO.	MAXIMUM OPERATING PRESSURE (PSI)	MAXIMUM ACCEPTANCE VOLUME (GAL.)	DIAMETER/ HEIGHT (INCHES)	OPERATING WEIGHT (LBS.)	REMARKS
ET1TH	WATER HEATER	JANITOR RM T187	AMTROL-EXTROL ST-30V	150	11.3	15" X 24"	130	-
ET1C	WATER HEATER	JANITOR RM C122	AMTROL-EXTROL ST-12	150	3.2	11" X 15"	36	-
ET1A	WATER HEATER	JANITOR RM A124	AMTROL-EXTROL ST-12	150	3.2	11" X 15"	36	-

GAS PRESSURE REGULATOR									
ITEM NO.	CFH	ENTERING PRESSURE	OUTLET PRESSURE	INLET SIZE	OUTLET SIZE	ORIFICE SIZE	AMERICAN METER COMPANY	DISTANCE METER TO REGULATOR	DISTANCE REGULATOR TO OUTLET
GPR1AB	933	5 PSI	8-11"WC	3/4"	1/4"	1/8 x 3/16	1800C	1100 LF	250'
GPR1CB	1560	5 PSI	8-11"WC	1"	2"	1/4"	1800C	900 LF	250'
GPR1SEB	204	5 PSI	8-11"WC	1"	2"	1/4"	1800C	1400 LF	150'
GPR1ASB	132	5 PSI	8-11"WC	1"	2"	1/4"	1800C	600 LF	150'
GPR1TH	2779	5 PSI	8-11"WC	1"	2"	1/4"	1800C	1200 LF	400'

WATER PRESSURE REGULATOR					
ITEM NO.	GPM	ENTERING PRESSURE	OUTLET PRESSURE	ZURN WILKINS	REMARKS
PRV1AB	58	91.5 PSI	70 PSIG	1 1/4" ZW209BP	PROVIDE WITH LOW FLOW BY-PASS
PRV1TH	81	91.5 PSI	70 PSIG	1 1/2" ZW209BP	PROVIDE WITH LOW FLOW BY-PASS
PRV1CB	80	91.5 PSI	70 PSIG	1 1/2" ZW209BP	PROVIDE WITH LOW FLOW BY-PASS
PRV1SEB	10	91.5 PSI	70 PSIG	3/4" 500XLYSBR	WITH INTEGRAL BY-PASS CHECK VALVE
PRV1ASB	10	91.5 PSI	70 PSIG	3/4" 500XLYSBR	WITH INTEGRAL BY-PASS CHECK VALVE

KITCHEN EQUIPMENT SCHEDULE									
ITEM NUMBER	QUANTITY	DESCRIPTION (NIFSEC = NOT IN FOODSERVICE EQUIPMENT CONTRACT)	SOURCE	MECHANICAL					REMARKS
				HOT	COLD	GAS		WASTE	
						CONN. SIZE	M BTU		
6	1	JANITOR'S MOP SINK (FLOOR MOUNTED)	ADVANCE/TABCO 9-OP-28						3"
7	1	JANITOR'S SINK FAUCET W/ VACUUM BREAKER	T&S B-0655-01	1/2"	1/2"				
16	1	BLOWER COIL	KAIRAK					F.S.	DRAIN TO FLOOR SINK
22	1	BLOWER COIL	KAIRAK					F.S.	DRAIN TO FLOOR SINK
24	1	ICE MAKER (REMOTE)	SCOTSMAN C1030SR-3		*			F.S.	* INTERCONNECT C.W. WITH FILTRATION UNIT ITEM# --. DRAIN TO FLOOR SINK.
25	1	ICE STORAGE BIN	FOLLETT SG700					F.S.	DRAIN TO FLOOR SINK
26	1	FLOOR TROUGH	IMC/TEDDY ASFT-1236-SG-ADA						3" "P-TRAP" BELOW SLAB
27	1	WATER FILTRATION SYSTEM	SCOTSMAN SSM2-P		1/2"				INTERCONNECT C.W. WITH ICE MAKER ITEM# --.
36	LOT	BLOWER COIL	KAIRAK					F.S.	DRAIN TO FLOOR SINK
37	1	COFFEE MAKER	NIFSEC BY VENDOR		1/2"				INTERCONNECT WATER WITH FILTRATION UNIT. VERIFY REQ'S. WITH SUPPLIER
45	1	FROST TOP (REMOTE)	CUSTOM ST. STL.					F.S.	
46	LOT	BLOWER COIL	KAIRAK					F.S.	DRAIN TO FLOOR SINK
51	1	1 DOOR REACH-IN REFRIG. (REMOTE)	UTILITY R-25-SS-1G-DX					F.S.	DRAIN TO FLOOR SINK
55	1	DECK MOUNTED FAUCET	T&S B-0221-CR	1/2"	1/2"				
56	1	SERVICE COUNTER W/ UTILITY SINK	CUSTOM ST. STL./MILLWORK					F.S.	
62	1	WORK TABLE W/ PREP SINK	CUSTOM ST. STL.					F.S.	
64	1	SPLASH MOUNTED FAUCET	T&S B-0231-CR	1/2"	1/2"				
71	1	HAND SINK W/ SOAP AND TOWEL DISPENSERS	IMC TEDDY ADA-WSX						2"
72	1	HAND SINK FAUCET	T&S B-0325-CR	1/2"	1/2"				
73	1	WORK TABLE W/ 2 COMP. PREP. SINK ASSEMBLY	CUSTOM ST. STL.					F.S.	DRAIN TO FLOOR SINK
74	1	PRE-RINSE W/ 12" FAUCET ASSEMBLY	T & S B-0133-ADF12	1/2"	1/2"				
84	1	DOUBLE CONVECTION OVEN	MONTAGUE HX2-63A			3/4"	126		INTERCONNECT GAS BETWEEN UNITS
85	2	DOUBLE CONVECTION OVEN	MONTAGUE HX2-63A			3/4"	126		INTERCONNECT GAS BETWEEN UNITS REQ'S PER EACH UNIT
86	1	COMBI OVEN W/STAND (10 PAN, FULL SIZE)	ALTO-SHAAM 12-18 ESG/CT		*	3/4"	105	F.S.	*INTERCONNECT ONE C.W. CONNECTION WITH FILTRATION UNIT, ITEM #--
87	1	COMBI - WATER FILTRATION UNIT	PART OF ITEM# 1-108 & 1-109			3/4"			INTERCONNECT C.W. CONNECTION WITH COMBI UNITS, ITEM #1-108 & 1-109.
102	1	HAND SINK W/ SOAP AND TOWEL DISPENSERS	IMC TEDDY ADA-WSX						2"
103	1	HAND SINK FAUCET	T&S B-0325-CR	1/2"	1/2"				
104	1	HAND SINK W/ SOAP AND TOWEL DISPENSERS	IMC TEDDY ADA-WSX						2"
105	1	HAND SINK FAUCET	T&S B-0325-CR	1/2"	1/2"				
106	1	FOOD COLLECTOR	SALVAJOUR S914	3/4"	3/4"				2"
111	1	3 COMPARTMENT SINK ASSEMBLY	CUSTOM ST. STL.					F.S.	PER LOCAL CODES
112	2	SPLASH MOUNTED FAUCETS	T&S B-0291	3/4"	3/4"				2"
126	1	HOSE BIBB	NIFSEC BY P.C.		1/2"				

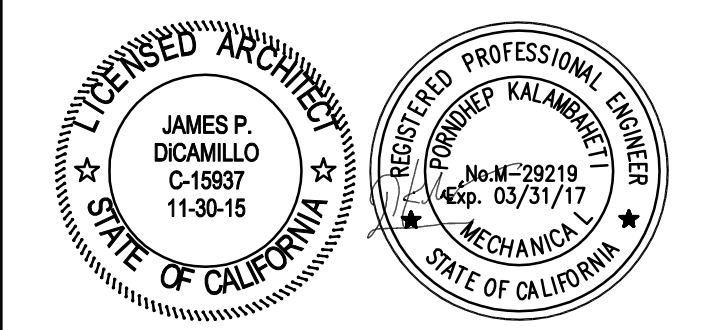
PIPE MATERIALS				
SERVICES	LOCATION	MATERIAL	JOINING METHOD	REMARKS
DOMESTIC COLD & HOT WATER	UNDERGROUND	RIGID COPPER (TYPE K)	BRAZED	ALL PIPE PENETRATION SHALL BE PROVIDED WITH PIPE SLEEVES IN COMPLIANCE WITH CPC 2013 313.0 AND 313.10.
	ABOVE UNDERGROUND	RIGID COPPER (TYPE L)	SOLDERED	ALL PIPE PENETRATION SHALL BE PROVIDED WITH PIPE SLEEVES IN COMPLIANCE WITH CPC 2013 313.0 AND 313.10.
SANITARY WASTE/ SEWER	UNDERGROUND	CAST IRON SOIL PIPE & FITTINGS	HUBLESS	ALL PIPE PENETRATION SHALL BE PROVIDED WITH PIPE SLEEVES IN COMPLIANCE WITH CPC 2013 313.0 AND 313.10.
	ABOVE GROUND	CAST IRON SOIL PIPE & FITTINGS	HUBLESS	ALL PIPE PENETRATION SHALL BE PROVIDED WITH PIPE SLEEVES IN COMPLIANCE WITH CPC 2013 313.0 AND 313.10.
SANITARY VENT	UNDERGROUND	CAST IRON SOIL PIPE & FITTINGS	HUBLESS	ALL PIPE PENETRATION SHALL BE PROVIDED WITH PIPE SLEEVES IN COMPLIANCE WITH CPC 2013 313.0 AND 313.10.
	ABOVE GROUND	CAST IRON SOIL PIPE & FITTINGS	HUBLESS	ALL PIPE PENETRATION SHALL BE PROVIDED WITH PIPE SLEEVES IN COMPLIANCE WITH CPC 2013 313.0 AND 313.10.
LOW PRESSURE GAS	UNDERGROUND	PE PIPE AND FITTINGS	WELDED	ALL PIPE PENETRATION SHALL BE PROVIDED WITH PIPE SLEEVES IN COMPLIANCE WITH CPC 2013 313.0 AND 313.10.
	ABOVE UNDERGROUND	SCHEDULE 40 BLACK STEEL 2" AND SMALLER THREADED	WELDED	ALL PIPE PENETRATION SHALL BE PROVIDED WITH PIPE SLEEVES IN COMPLIANCE WITH CPC 2013 313.0 AND 313.10.
STORM DRAIN	UNDERGROUND	CAST IRON SOIL PIPE	HUBLESS	ALL PIPE PENETRATION SHALL BE PROVIDED WITH PIPE SLEEVES IN COMPLIANCE WITH CPC 2013 313.0 AND 313.10.
	ABOVE UNDERGROUND	CAST IRON SOIL PIPE	HUBLESS	ALL PIPE PENETRATION SHALL BE PROVIDED WITH PIPE SLEEVES IN COMPLIANCE WITH CPC 2013 313.0 AND 313.10.

NOTE: ALL BRAZED AND SOLDERED JOINTS SHALL BE LEAD FREE. EXPOSED VENT PIPE SHALL BE GALVANIZED PER PLUMBING SPECIFICATIONS

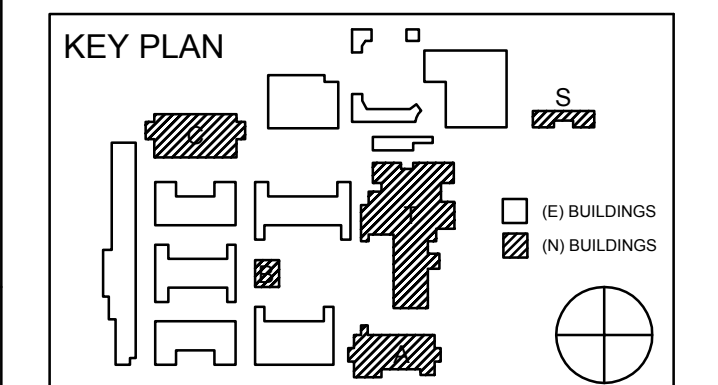
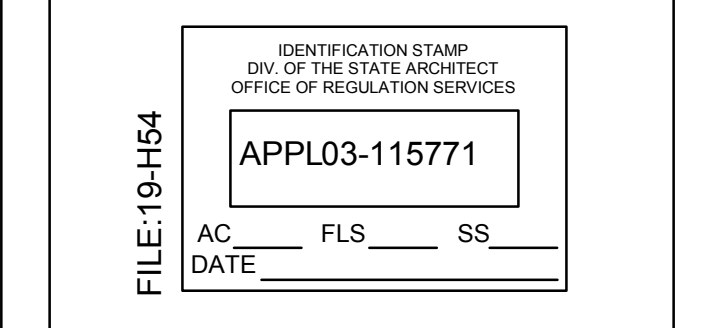


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ROWLAND HIGH SCHOOL ADDITION
 ROWLAND UNIFIED SCHOOL DISTRICT
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 ROWLAND HEIGHTS, CALIFORNIA



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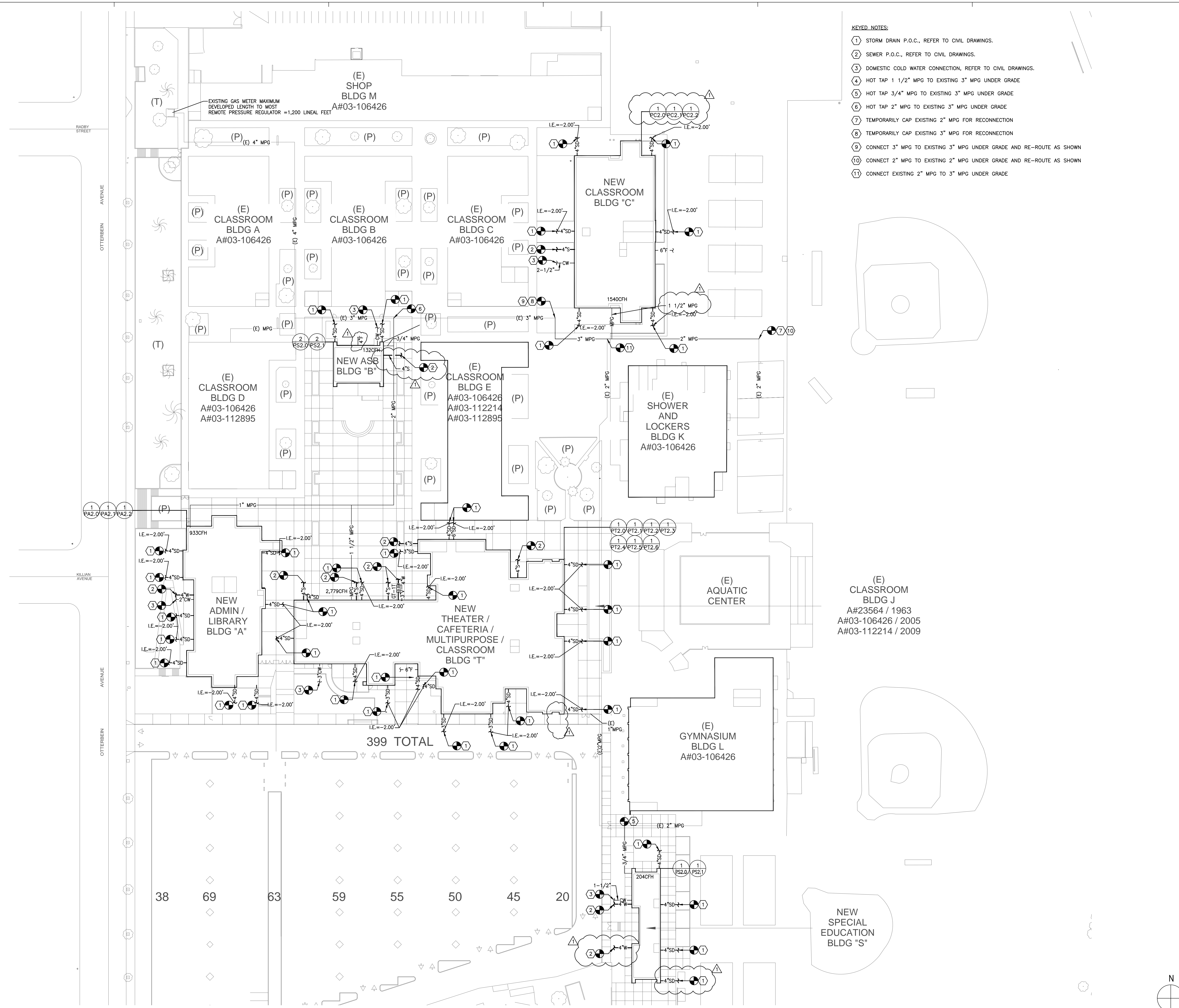
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NO	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: G.W CHKD: F.T
 DATE: 04/08/2015 SCALE: NO SCALE
 PROJECT NUMBER: 1310700

PLUMBING AND KITCHEN SCHEDULES

DRAWING NUMBER: **P0.2**

S:\PROJECTS\2013 Jobs\13.521 Rowland Heights HS-Renovations\CAD\PLUMBING\PLUMBING SITE PLAN.dwg



- KEYED NOTES:**
- 1 STORM DRAIN P.O.C., REFER TO CIVIL DRAWINGS.
 - 2 SEWER P.O.C., REFER TO CIVIL DRAWINGS.
 - 3 DOMESTIC COLD WATER CONNECTION, REFER TO CIVIL DRAWINGS.
 - 4 HOT TAP 1 1/2" MPG TO EXISTING 3" MPG UNDER GRADE
 - 5 HOT TAP 3/4" MPG TO EXISTING 3" MPG UNDER GRADE
 - 6 HOT TAP 2" MPG TO EXISTING 3" MPG UNDER GRADE
 - 7 TEMPORARILY CAP EXISTING 2" MPG FOR RECONNECTION
 - 8 TEMPORARILY CAP EXISTING 3" MPG FOR RECONNECTION
 - 9 CONNECT 3" MPG TO EXISTING 3" MPG UNDER GRADE AND RE-ROUTE AS SHOWN
 - 10 CONNECT 2" MPG TO EXISTING 2" MPG UNDER GRADE AND RE-ROUTE AS SHOWN
 - 11 CONNECT EXISTING 2" MPG TO 3" MPG UNDER GRADE

38 69 63 59 55 50 45 20

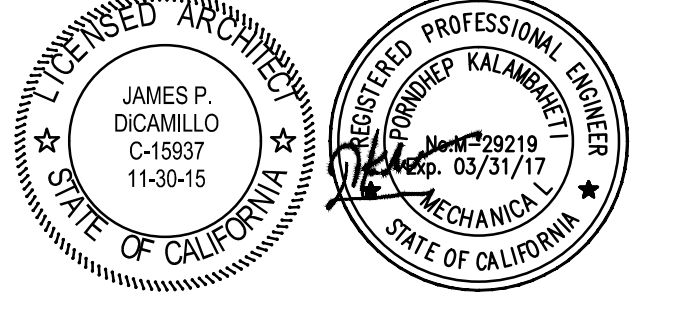
399 TOTAL

PLUMBING SITE PLAN

SCALE
1"=40'-0" **1**

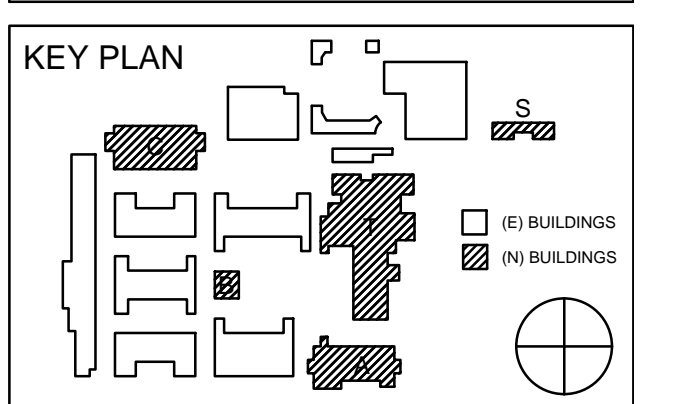
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REVISION SCHEDULE

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02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

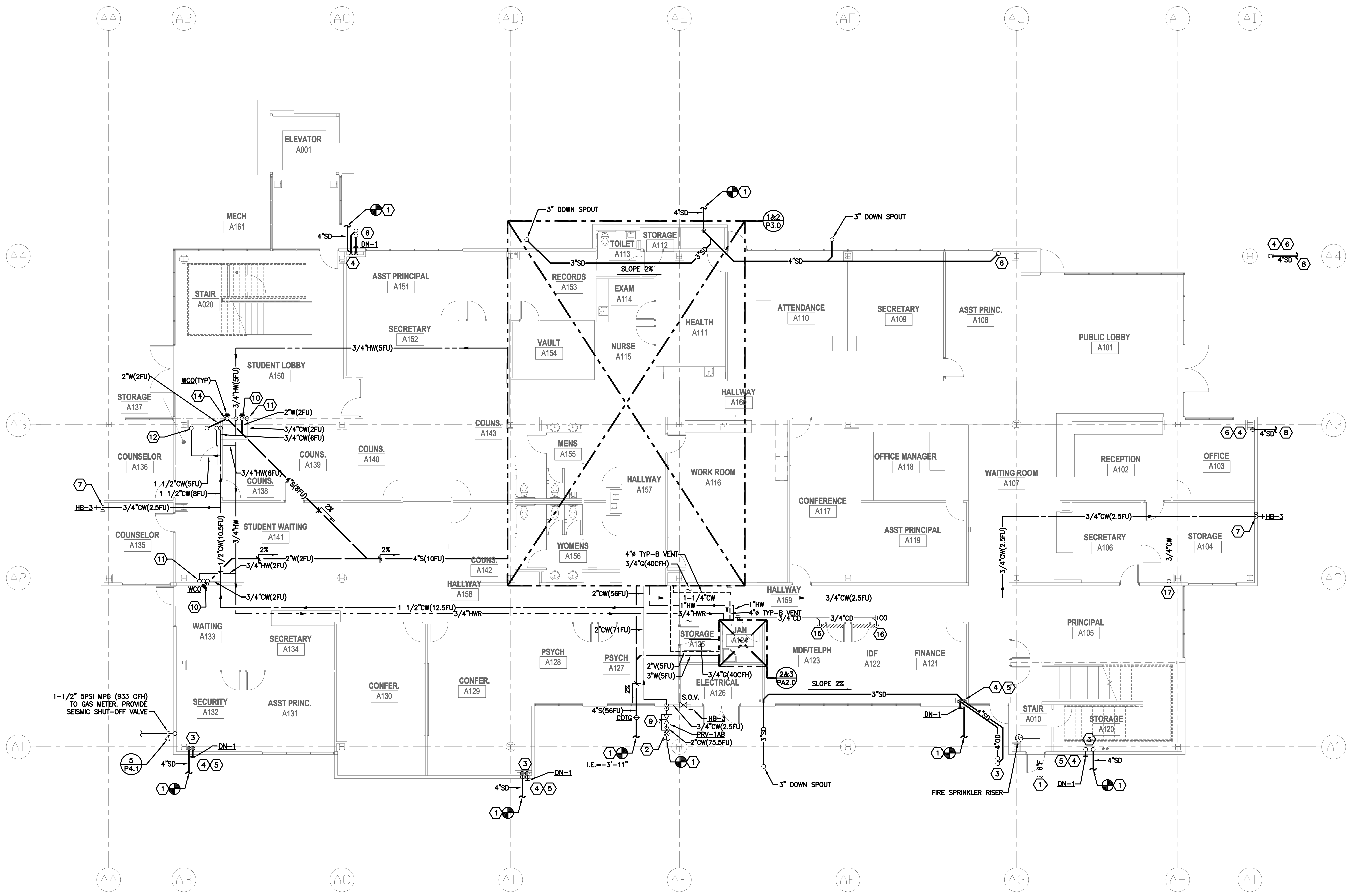
DRWN: G.W CHKD: F.T
DATE: 04/08/2015 SCALE: 1"=40'-0"
PROJECT NUMBER: 1310700

PLUMBING SITE PLAN

DRAWING NUMBER: **P1.0**

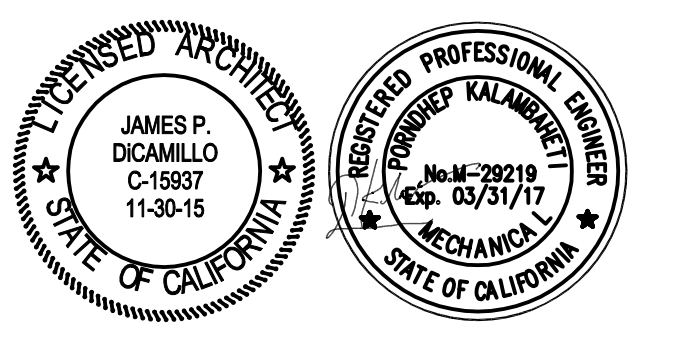
ROWLAND HIGH SCHOOL ADDITION
ROWLAND UNIFIED SCHOOL DISTRICT
2000 OTTERBEIN AVE
ROWLAND HEIGHTS, CALIFORNIA

- KEYED NOTES:**
- FOR CONTINUATION SEE SHEET P1.0
 - DOMESTIC COLD WATER SHUT-OFF VALVE IN YARD BOX.
 - 4" SD AND 4" OD DOWN FROM RD-1 AND OD-1 ON ROOF TO CEILING SPACE
 - 4" SD DOWN TO BELOW GRADE, FOR CONTINUATION SEE SITE PLAN.
 - 4" OD DOWN IN WALL TO 1'-6" ABOVE FINISHED GRADE, SPILL TO GRADE WITH DOWNSPOUT NOZZLE (DN-1)
 - 4" SD DOWN FROM GUTTER DRAIN TO CEILING SPACE.
 - 3/4"CW DOWN IN WALL TO HOSE BIBB, ROUGH IN AND CONNECT WITH S.O.V.
 - ROUTE 4" SD TO LANDSCAPE AREA
 - PRESSURE REGULATING VALVE ABOVE GRADE IN VANDAL PROOF METAL MESH ENCLOSURE
 - 3/4" H AND 3/4" CW UP TO FIXTURE IN FLOOR ABOVE
 - 2" WASTE DOWN IN WALL TO BELOW FLOOR WITH CLEAN OUT AT BASE
 - 1 1/2" CW UP TO FIXTURE IN FLOOR ABOVE
 - 4" S DOWN TO BELOW FLOOR WITH CLEAN OUT AT BASE
 - 3" OD DOWN IN WALL TO 18" ABOVE FINISHED EXTERIOR GRADE SPILL TO GRADE WITH DOWNSPOUT NOZZLE (DN-1)
 - 3"OD AND 4"SD DOWN FROM FLOOR ABOVE TO CEILING SPACE
 - 3/4"CONDENSATE UP FROM FAN COIL UNIT TO CEILING SPACE
 - 3/4"CW UP TO FLOOR ABOVE



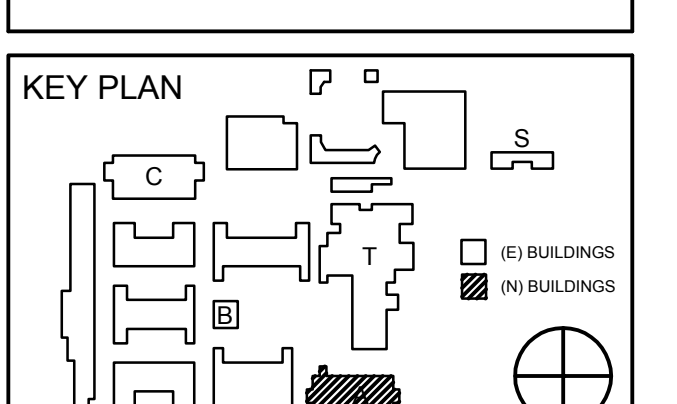
PLUMBING ADMIN. BUILDING FIRST FLOOR PLAN

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



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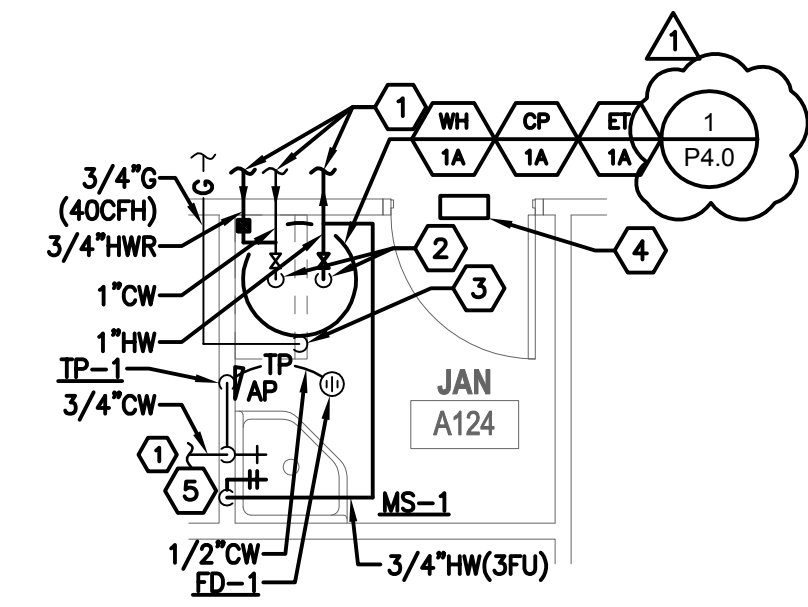


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

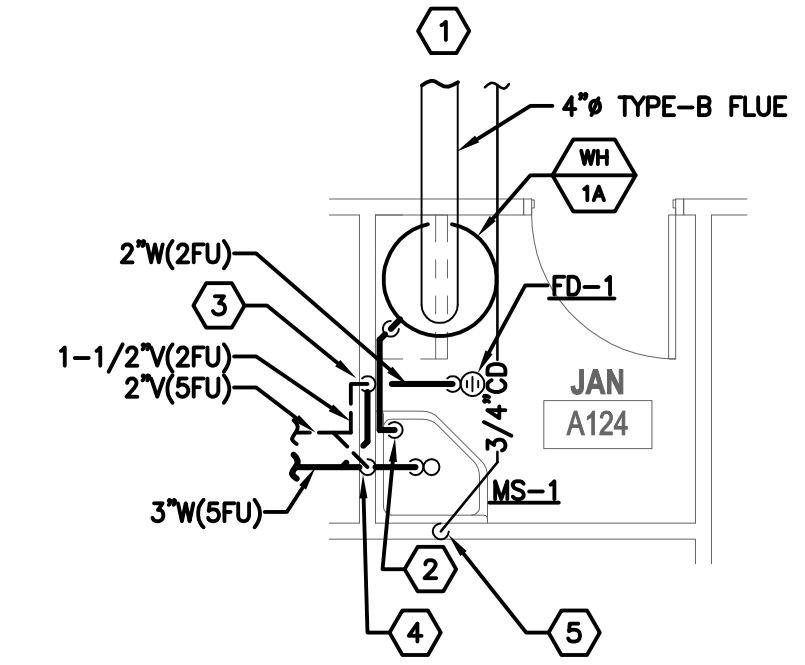
DRWN: G.W CHKD: F.T
DATE: 04/08/2015 SCALE: 1/8"=1'-0"
PROJECT NUMBER: 1310700

**PLUMBING PLAN
ADMIN. BUILDING
FIRST FLOOR**

DRAWING NUMBER: **PA2.0**



- KEYED NOTES:**
- FOR CONTINUATION SEE SHEET P2.0.
 - 1"CW DOWN TO WATER HEATER AND 1"HW UP FROM WATER HEATER.
 - 3/4"G(40CFH) DOWN TO WATER HEATER, ROUGH-IN AND CONNECT. PROVIDE LINE SIZE SHUTOFF COCK ON DROP PRIOR TO CONNECTION.
 - PROVIDE COMBUSTION LOUVERS ON DOOR 12X6 TOP & BOTTOM.
 - 3/4" H AND 3/4" CW DOWN IN WALL TO FIXTURE ROUGH IN AND CONNECT



- KEYED NOTES:**
- FOR CONTINUATION SEE SHEET P2.0.
 - SPILL 3/4" T/PRV DRAIN TO MOP SINK WITH 2" AIR GAP.
 - 1 1/2" VENT UP, 2" WASTE DOWN
 - 2" VENT UP 3" WASTE DOWN
 - 3/4" CONDENSATE DOWN IN WALL, SPILL INTO SERVICE SINK TERMINATE WITH 1" AIR GAP

ENLARGED DOMESTIC WATER PLUMBING PLAN

SCALE 1/4"=1'-0" **3**

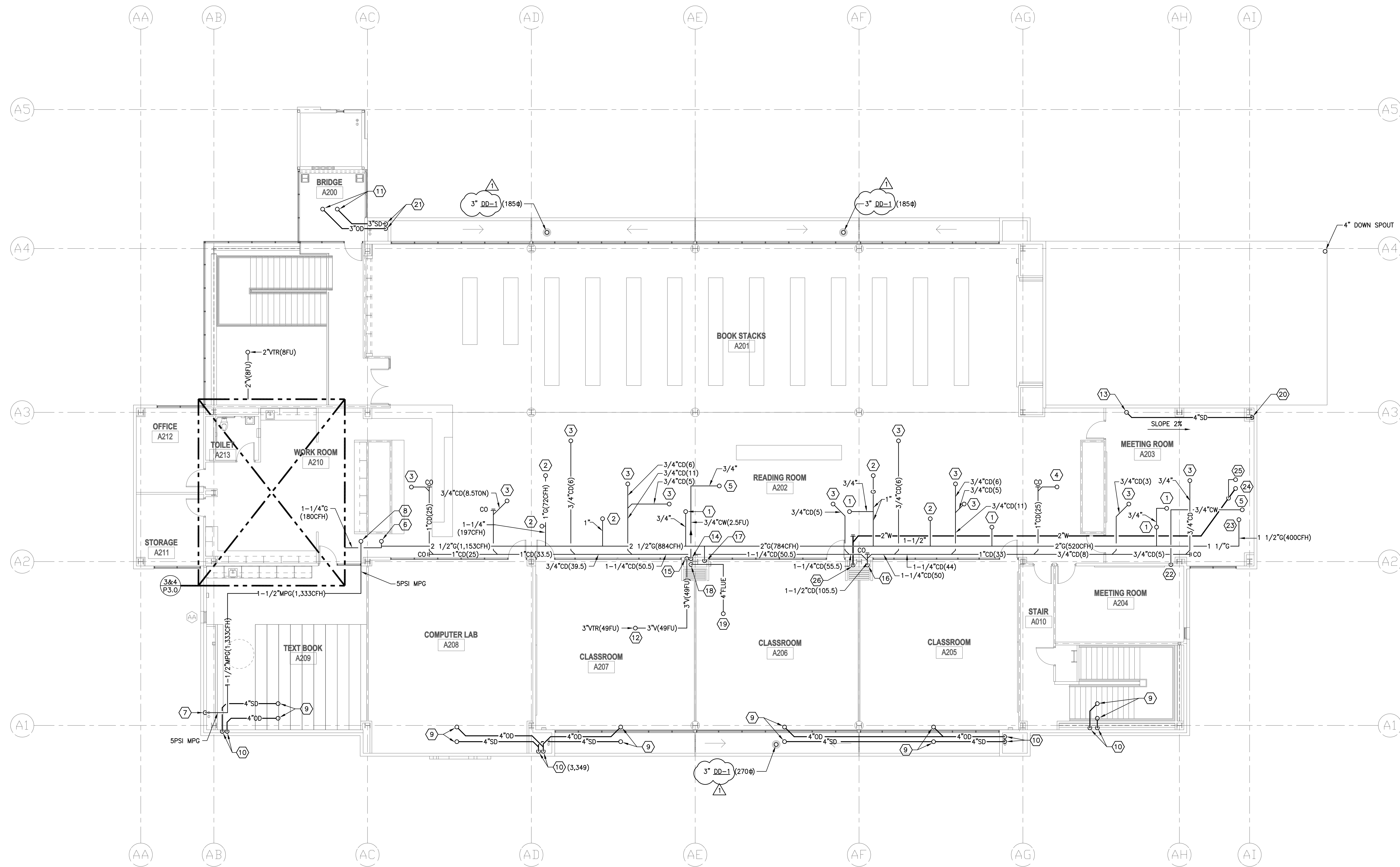
ENLARGED WASTE AND VENT PLUMBING PLAN

SCALE 1/4"=1'-0" **2**

ROWLAND HIGH SCHOOL ADDITION

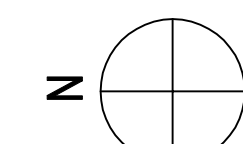
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ROWLAND HEIGHTS, CALIFORNIA



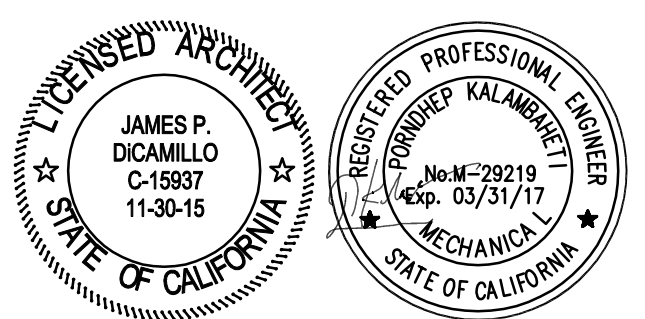
KEYED NOTES:

- 1 3/4" G UP TO ROOF.
- 2 1" G UP TO ROOF.
- 3 3/4" CONDENSATE DOWN FROM ROOF TO CEILING SPACE.
- 4 1" CONDENSATE DOWN FROM ROOF TO CEILING SPACE.
- 5 3/4" CW UP TO ROOF.
- 6 2-1/2" G DOWN FROM ROOF TO CEILING SPACE.
- 7 1-1/2" (5PSI) MPG UP IN WALL TO ABOVE CEILING.
- 8 1-1/2" (5PSI) MPG UP TO ABOVE ROOF.
- 9 4" SD & 4" OD DOWN FROM ROOF TO CEILING SPACE.
- 10 4" SD & 4" OD DOWN IN FURRED SPACE / WALL TO FLOOR BELOW.
- 11 3" SD & 3" OD DOWN FROM ROOF TO CEILING SPACE.
- 12 3" VTR
- 13 4" DOWN SPOUT FROM GUTTER DRAIN ROUTE TO COLUMN AND TO FLOOR BELOW.
- 14 3/4" CW UP FROM FLOOR BELOW IN FURRED SPACE TO CEILING.
- 15 3" VENT UP IN FURRED SPACE TO ABOVE CEILING.
- 16 1-1/2" CD DOWN IN FURRED SPACE TO FLOOR BELOW.
- 17 3/4" G DOWN IN FURRED SPACE TO FLOOR BELOW.
- 18 4" FLUE FROM WATER HEATER.
- 19 4" FLUE UP TO ROOF.
- 20 4" SD DOWN TO FLOOR BELOW.
- 21 3" OD DOWN TO FLOOR BELOW.
- 22 3/4" UP IN WALL FROM FLOOR BELOW TO CEILING SPACE.
- 23 1 1/2" GAS UP TO ABOVE ROOF
- 24 2" WASTE DOWN FROM ROOF TO CEILING SPACE
- 25 1 1/2" VTR
- 26 2" WASTE DOWN IN WALL TO FLOOR BELOW



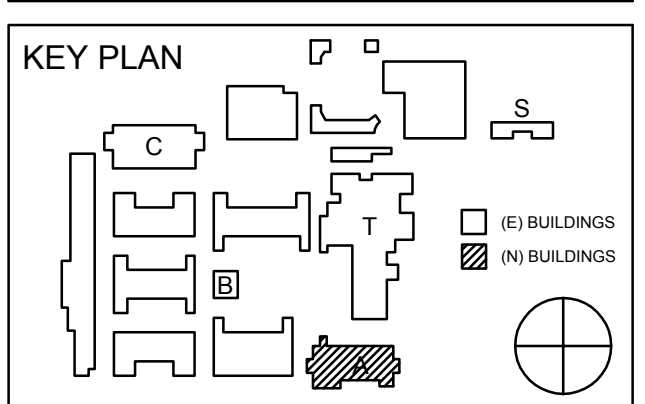
PLUMBING ADMIN. BUILDING SECOND FLOOR PLAN

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



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REVISION SCHEDULE		
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05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: G.W CHKD: F.T
DATE: 04/08/2015 SCALE: 1/8"=1'-0"
PROJECT NUMBER: 1310700

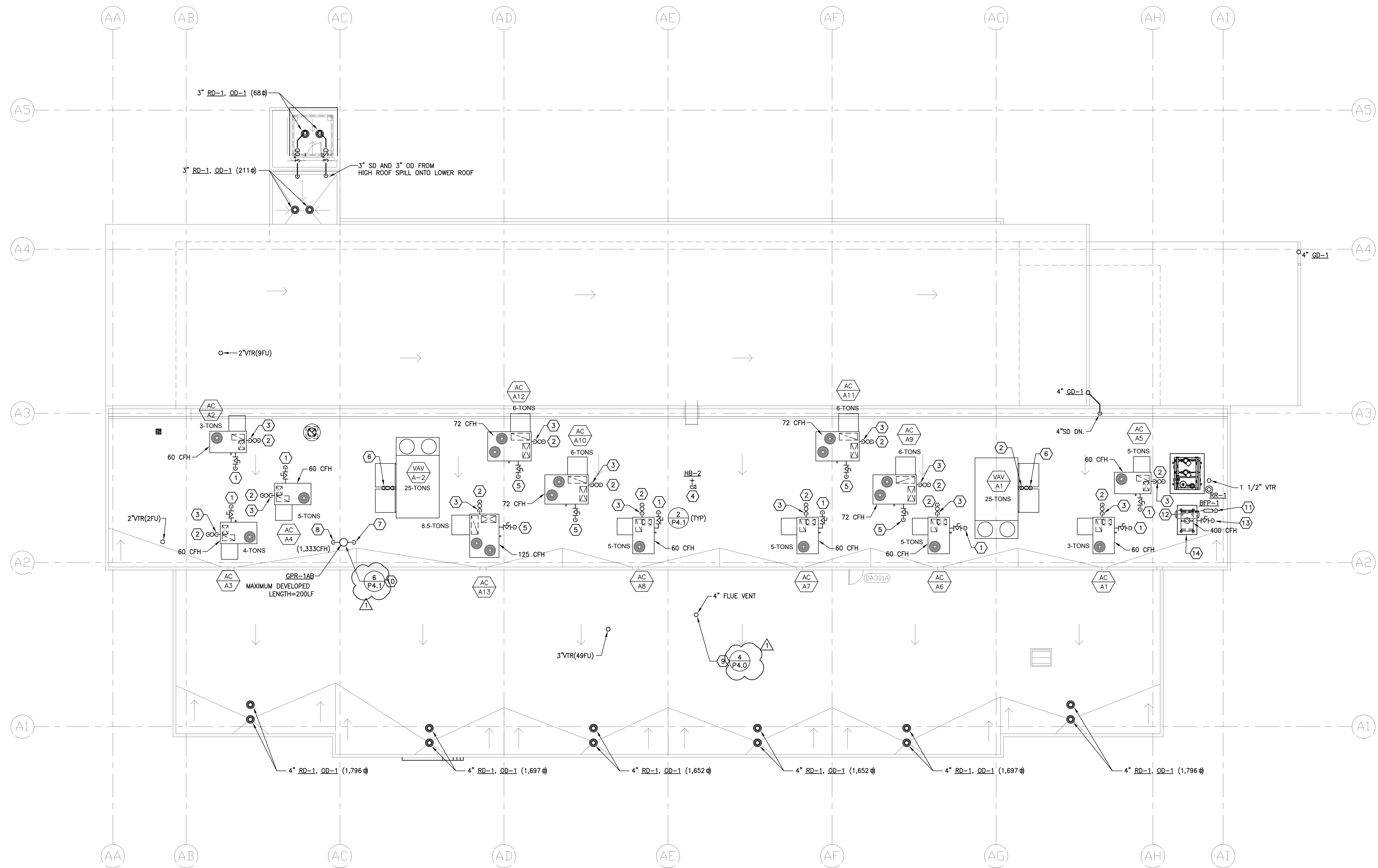
**PLUMBING PLAN
ADMIN. BUILDING
SECOND FLOOR**

DRAWING NUMBER: **PA2.1**

ROWLAND HIGH SCHOOL ADDITION

ROWLAND UNIFIED SCHOOL DISTRICT

2000 OTTERBEIN AVE
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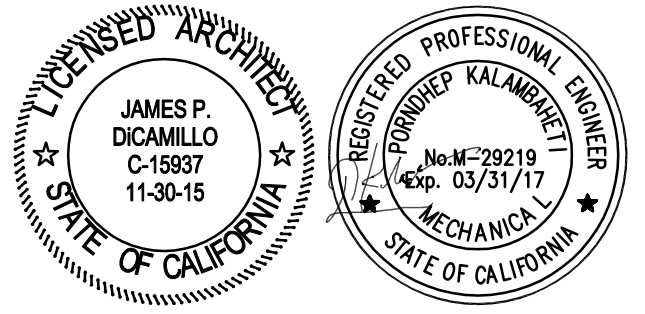
KEYED NOTES:

- ① 3/4" GAS UP FROM FLOOR BELOW TO HVAC UNIT ROUGH-IN AND CONNECT. PROVIDE FLEX CONNECTION AND LINE SIZE SHUT-OFF VALVE PRIOR TO CONNECTION.
- ② 3/4" CONDENSATE DOWN THROUGH ROOF TO FLOOR BELOW.
- ③ CONNECT 3/4" CONDENSATE TO HVAC UNIT, INDIRECT WASTE CONNECTION.
- ④ 3/4" CW TO HOSE BIBB, ROUGH-IN AND CONNECT WITH S.O.V.
- ⑤ 1" GAS UP FROM FLOOR BELOW TO HVAC UNIT ROUGH-IN AND CONNECT. PROVIDE FLEX CONNECTION AND LINE SIZE SHUT-OFF VALVE PRIOR TO CONNECTION.
- ⑥ 1" CONDENSATE CONNECT TO VAV UNIT, 1" CONDENSATE DOW TO FLOOR BELOW.
- ⑦ 2 1/2" GAS DOWN THROUGH ROOF FROM GAS REGULATOR TO FLOOR BELOW.
- ⑧ 1 1/2" 5PSI MPG UP FROM FLOOR BELOW TO GAS REGULATOR, ROUGH-IN AND CONNECT.
- ⑨ 4" FLUE THROUGH ROOF, TERMINATE 24" ABOVE ROOF WITH RAIN CAP.
- ⑩ GAS LOAD= 1,333CFH, MAXIMUM DEVELOPED LENGTH TO MOST REMOTE OUTLET FROM REGULATOR = 200 LINEAL FEET

- ⑪ 3/4" CW UP FROM FLOOR BELOW TO BFP-1 ROUGH IN AND CONNECT
- ⑫ 3/4" CW TO BOILER ROUGH IN AND CONNECT
- ⑬ 1 1/2" CW UP FROM FLOOR BELOW TO BOILER ROUGH IN AND CONNECT
- ⑭ PIPE TEMPERATURE RELIEF VALVE FROM BOILER TO ROOF RECEPTOR TERMINATE WITH 1" AIR GAP

GENERAL NOTES:

- 1. STORM DRAIN PIPE SIZES ARE BASED ON 2-INCH RAINFALL RATE PER HOUR WITH 1% SLOPE.



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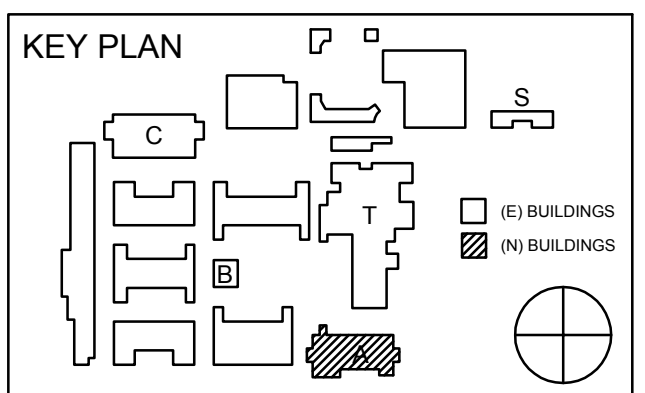
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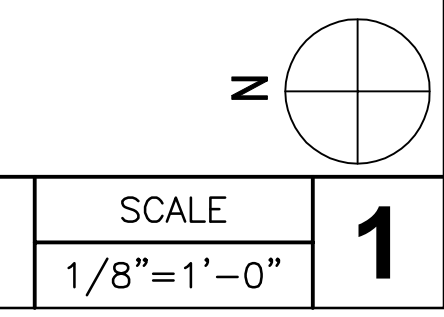


REVISION SCHEDULE		
NO	DATE	DESCRIPTION
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05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: G.W CHKD: F.T
DATE: 04/08/2015 SCALE: 1/8"=1'-0"
PROJECT NUMBER: 1310700

**PLUMBING PLAN
ADMINISTRATION
BUILDING ROOF**

DRAWING NUMBER: **PA2.2**

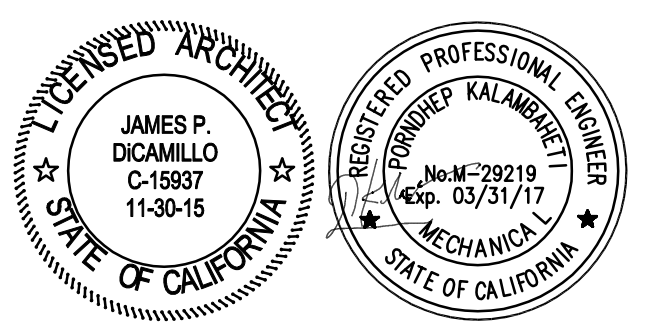


PLUMBING ADMIN. BUILDING ROOF PLAN

ROWLAND HIGH SCHOOL ADDITION

ROWLAND UNIFIED SCHOOL DISTRICT

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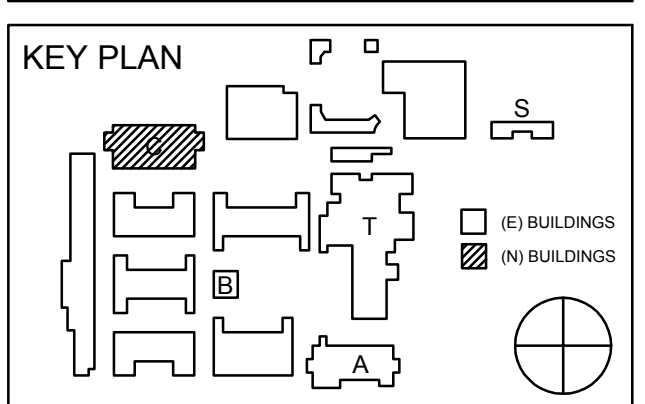
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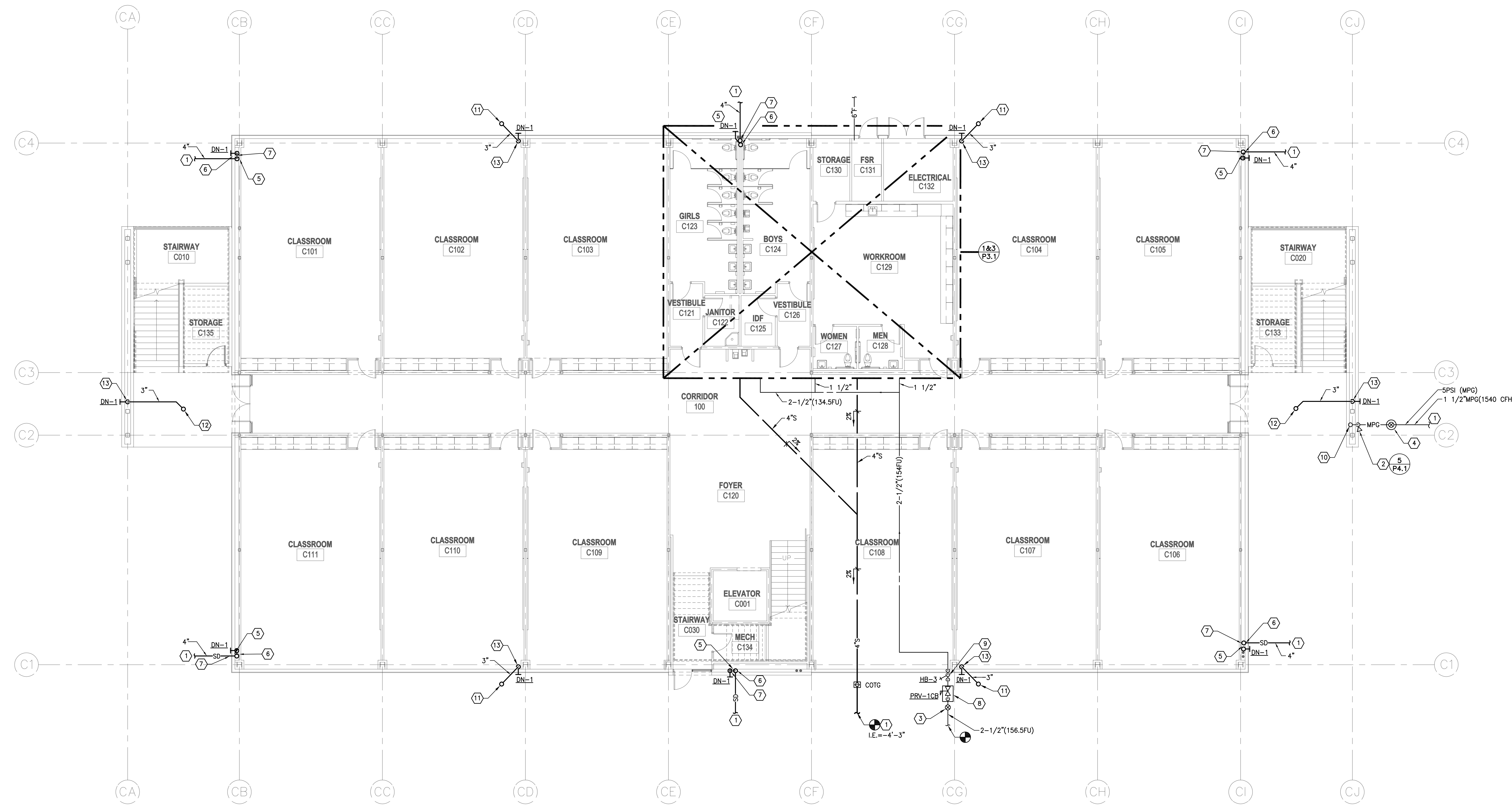


REVISION SCHEDULE		
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05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

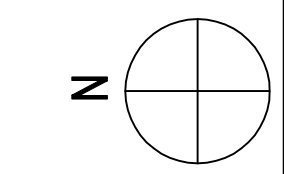
DRWN: G.W	CHKD: F.T
DATE: 04/08/2015	SCALE: 1/8"=1'-0"
PROJECT NUMBER: 1310700	

**CLASSROOM BUILDING
FIRST FLOOR
PLUMBING PLAN**

DRAWING NUMBER: **PC2.0**



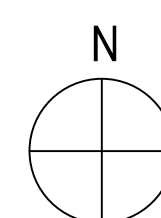
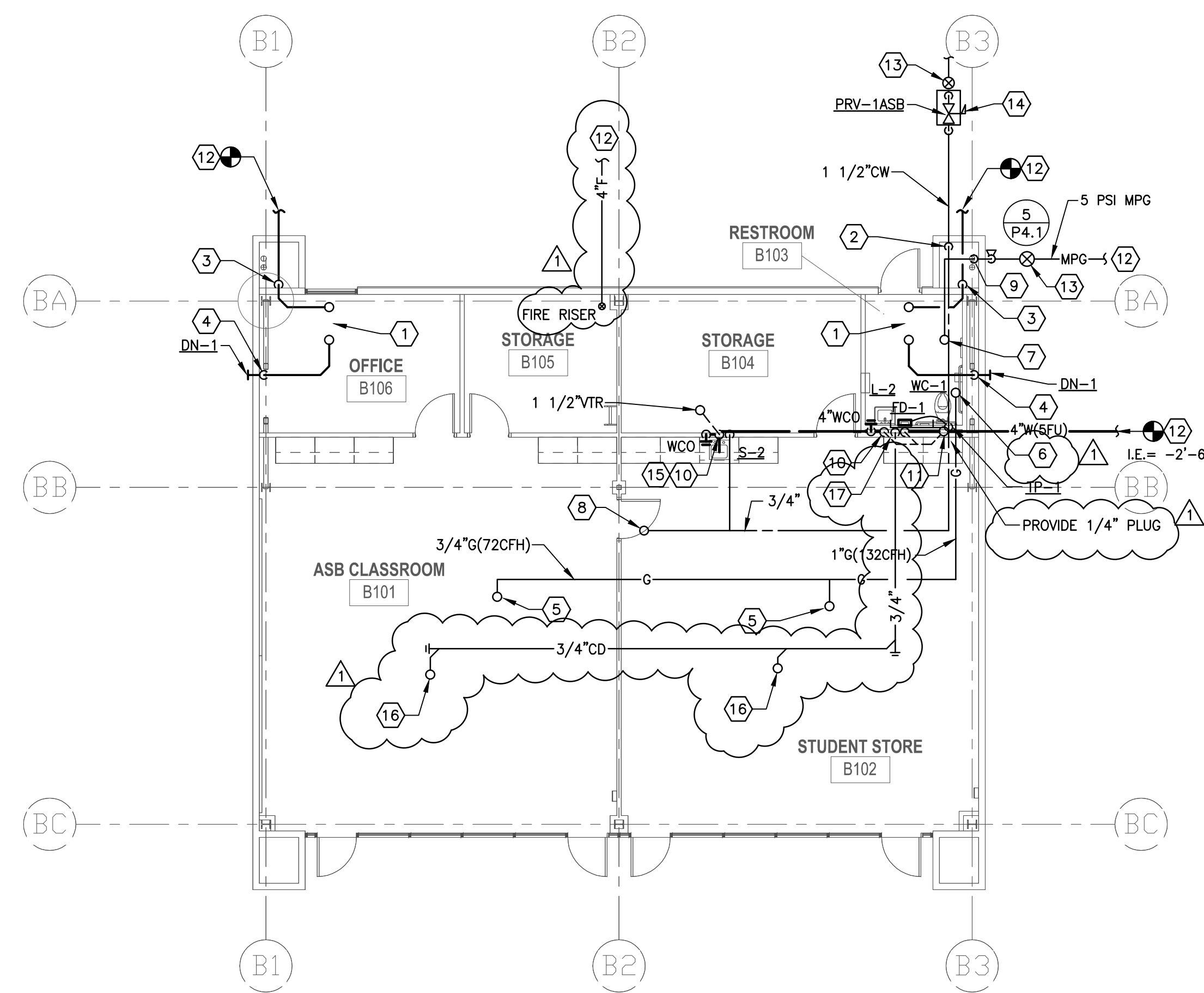
- KEYED NOTES:**
- 1 FOR CONTINUATION SEE SHEET P1-0.
 - 2 1-1/2" 5PSI MPG UP WITH LINE SIZE SHUT-OFF VALVE & EARTHQUAKE VALVE.
 - 3 LINE SIZE SHUT-OFF VALVE IN TRAFFIC YARD BOX.
 - 4 LINE SIZE SHUT-OFF IN TRAFFIC YARD BOX.
 - 5 4"SD & 4"OD DOWN FROM FLOOR ABOVE.
 - 6 4"SD DOWN TO BELOW GRADE.
 - 7 4"OD DOWN TO 6" ABOVE FINISHED GRADE. TERMINATE 6" ABOVE FINISHED EXTERIOR GRADE.
 - 8 PRESSURE REGULATING VALVE ABOVE GRADE ENCAPSULATED IN VANDAL RESISTANCE ENCLOSURE DIAMOND METAL MESH.
 - 9 2-1/2" CW UP IN WALL TO ABOVE CEILING.
 - 10 1-1/2" 5PSI MPG UP IN WALL TO FLOOR ABOVE.
 - 11 3" DECK DRAIN (DD-1) DOWN FROM FLOOR ABOVE.
 - 12 3" AREA DRAIN (AD-1) DOWN FROM FLOOR ABOVE.
 - 13 3"SD DOWN TO 6" ABOVE FINISHED GRADE. TERMINATE 6" ABOVE FINISHED EXTERIOR GRADE.



CLASSROOM BUILDING FIRST FLOOR PLUMBING PLAN

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

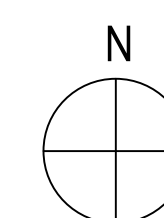
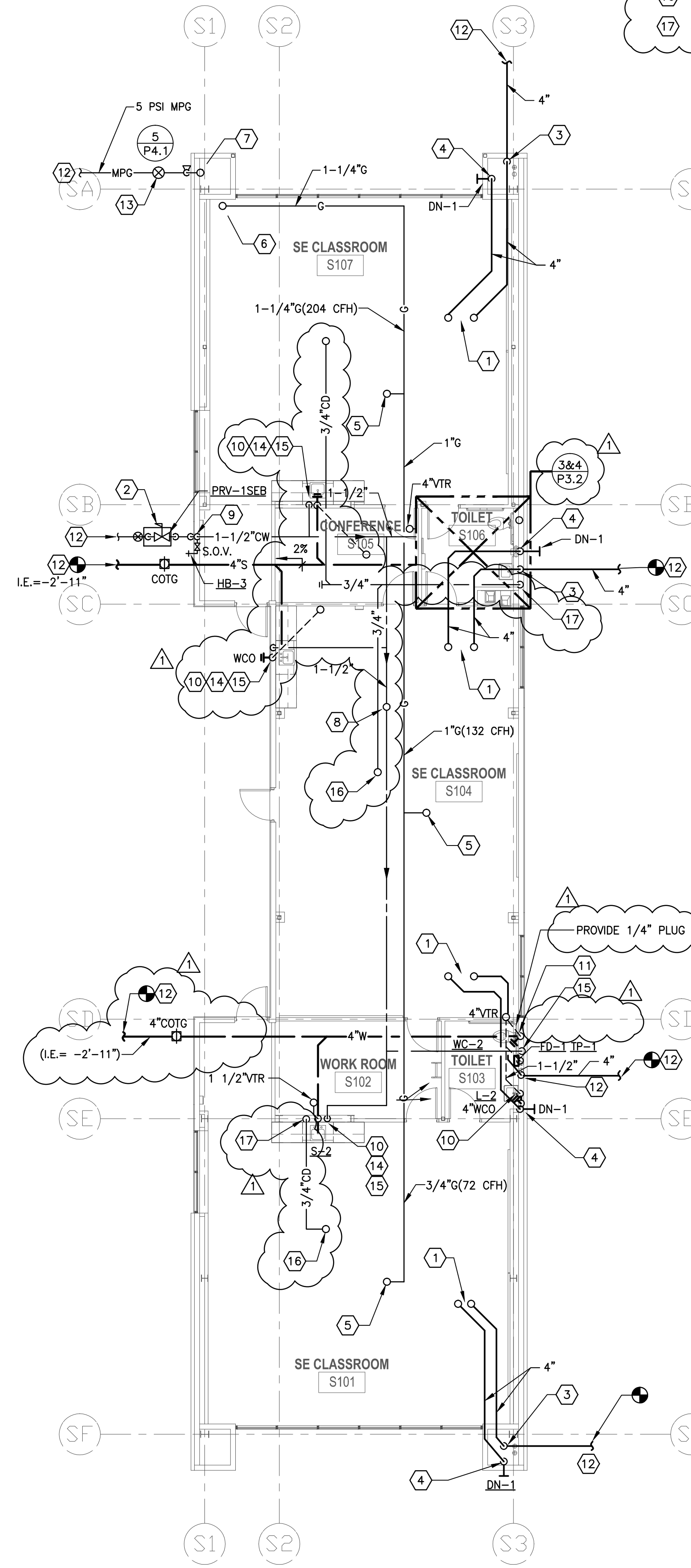
- KEYED NOTES:**
- ① 4"SD & 4"OD DOWN FROM RD/1 & OD/1 ON ROOF TO CEILING SPACE.
 - ② 1 1/2" CW UP IN CHASE TO ABOVE CEILING
 - ③ 4"SD DOWN TO BELOW GRADE. FOR CONTINUATION SEE SHEET P1.0.
 - ④ 4"OD DOWN IN WALL, TERMINATE 1/2" AWAY FROM FACE OF EXTERIOR WALL 6" ABOVE FINISHED EXTERIOR GRADE.
 - ⑤ 3/4" GAS UP TO HVAC UNIT ON ROOF.
 - ⑥ 1" GAS DOWN FROM GAS REGULATOR ON ROOF TO CEILING SPACE
 - ⑦ 3/4" SPSI MPG UP TO REGULATOR ON ROOF.
 - ⑧ 3/4" CW UP THROUGH ROOF TO HOSE BIBB.
 - ⑨ 3/4" SPSI MPG UP IN CHASE TO ABOVE CEILING
 - ⑩ 1-1/2" VENT UP, 2" WASTE DOWN
 - ⑪ 4" VTR, 4" SOIL DOWN.
 - ⑫ FOR CONTINUATION, SEE SHEET P1.0.
 - ⑬ LINE SIZE SHUTOFF VALVE IN YARD BOX.
 - ⑭ PRESSURE REGULATING VALVE ABOVE GRADE IN VANDAL RESISTANT DIAMOND METAL MESH ENCLOSURE
 - ⑮ 3/4"CW DOWN IN WALL TO FIXTURE ROUGH IN AND CONNECT
 - ⑯ 3/4" CONDENSATE FROM HVAC UNIT ABOVE ON ROOF.
 - ⑰ 3/4" CONDENSATE PIPING DOWN IN WALL AND CONNECT TO LAVATORY TAILPIECE.



ASB BUILDING PLUMBING FLOOR PLAN

SCALE 1/8"=1'-0" **2**

- KEYED NOTES:**
- ① 4"RD & 4"OD DOWN FROM RD/1 & OD/1 ON ROOF TO CEILING SPACE.
 - ② PRESSURE REGULATING VALVE ABOVE GRADE IN VANDAL RESISTANT DIAMOND METAL MESH ENCLOSURE
 - ③ 4"RD DOWN TO BELOW GRADE. FOR CONTINUATION SEE SHEET P1.0.
 - ④ 4"OD DOWN IN WALL, TERMINATE 1/2" AWAY FROM FACE OF EXTERIOR WALL 6" ABOVE FINISHED EXTERIOR GRADE.
 - ⑤ 3/4" GAS UP TO HVAC UNIT ON ROOF.
 - ⑥ 1-1/4" GAS DOWN FROM GAS REGULATOR ON ROOF TO CEILING SPACE
 - ⑦ 3/4" MPG UP TO REGULATOR ON ROOF.
 - ⑧ 3/4" CW UP THROUGH ROOF TO HOSE BIBB.
 - ⑨ 1 1/2" CW UP IN WALL TO ABOVE CEILING
 - ⑩ 1-1/2" VENT UP, 2" WASTE DOWN
 - ⑪ 2" V UP, 4" SOIL DOWN.
 - ⑫ FOR CONTINUATION, SEE SHEET P1.0.
 - ⑬ LINE SIZE SHUTOFF VALVE IN YARD BOX.
 - ⑭ 3/4"CW DOWN IN WALL TO FIXTURE ROUGH IN AND CONNECT
 - ⑮ 1 1/2"CW DOWN IN WALL TO FIXTURE ROUGH IN AND CONNECT
 - ⑯ 3/4" CONDENSATE FROM HVAC UNIT ABOVE ON ROOF.
 - ⑰ 3/4" CONDENSATE PIPING DOWN IN WALL AND CONNECT TO LAVATORY TAILPIECE.



SPECIAL ED BUILDING PLUMBING FLOOR PLAN

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

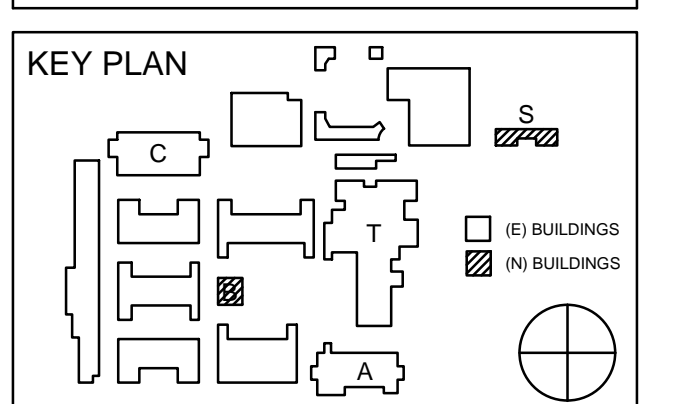
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05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
04/08/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

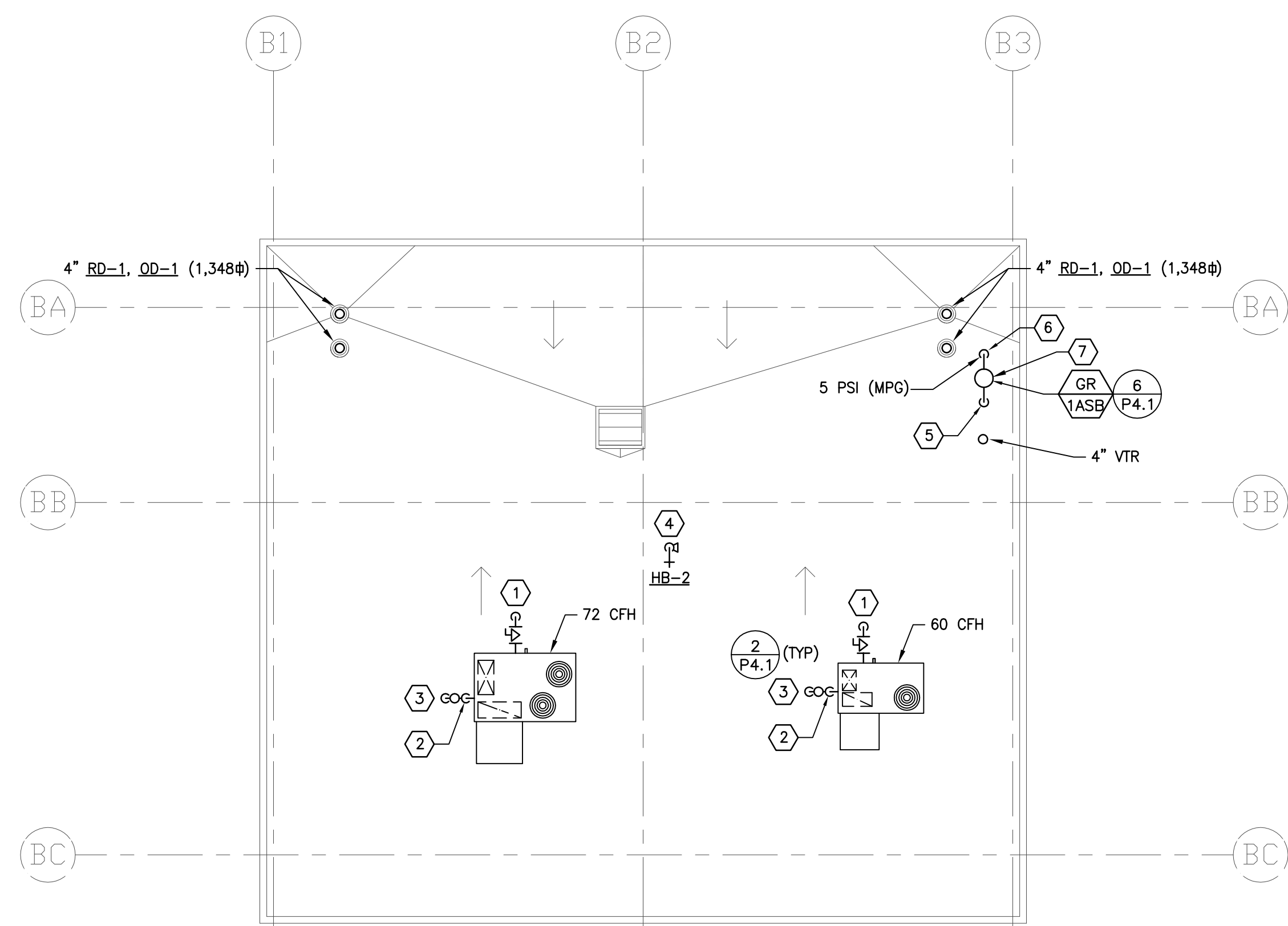
DRWN: G.W CHKD: F.T
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PROJECT NUMBER: 1310700

ASB & SPECIAL ED BUILDING FLOOR PLANS

DRAWING NUMBER: **PS2.0**

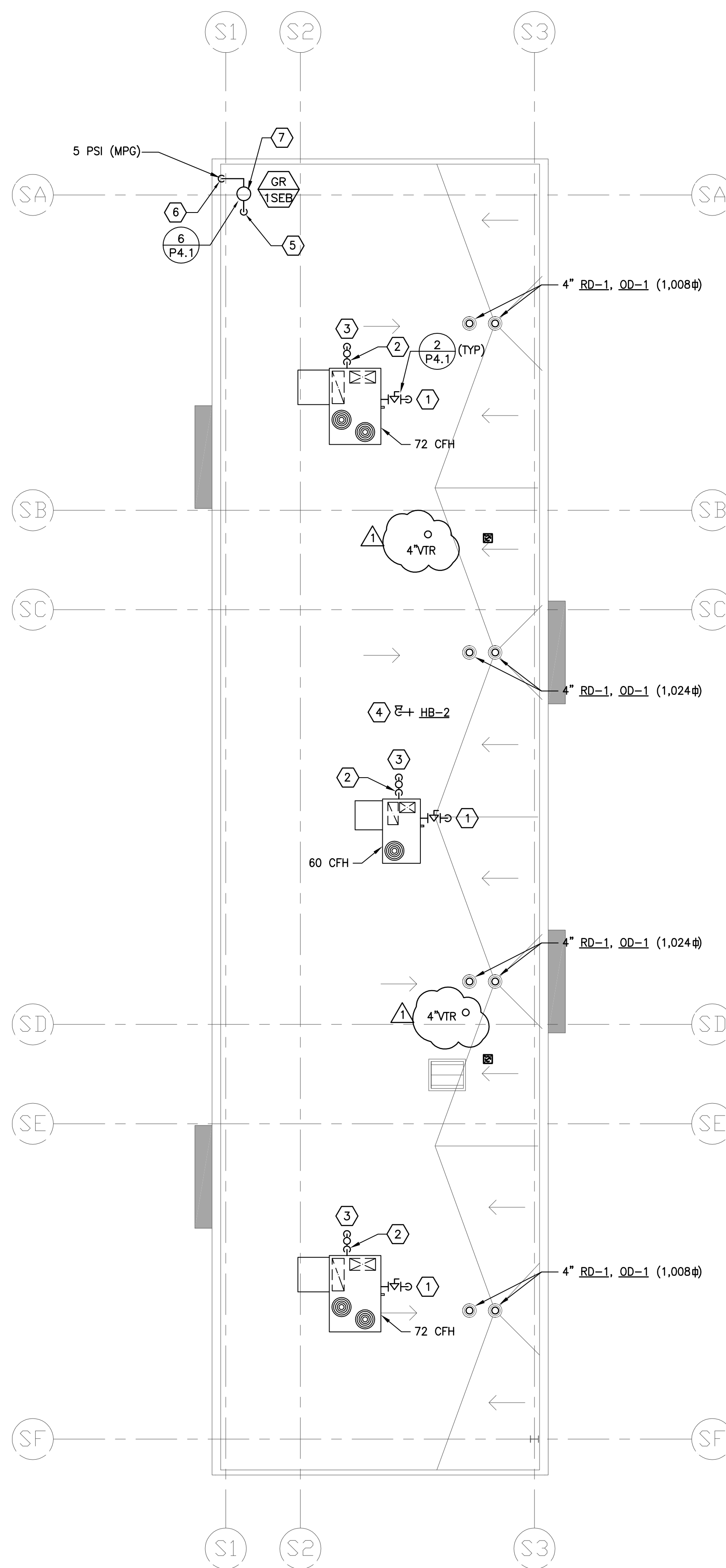
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KEYED NOTES:

- ① 3/4" GAS UP TO HVAC UNIT, ROUGH-IN AND CONNECT. PROVIDE LINE SIZE SHUT-OFF VALVE & FLEX CONNECTION PRIOR TO CONNECTION.
- ② CONNECT 3/4" CONDENSATE TO HVAC UNIT CONDENSATE CONNECTION.
- ③ 3/4" CONDENSATE DOWN THROUGH ROOF TO FLOOR BELOW.
- ④ 3/4" CW UP THROUGH ROOF TO HOSE BIBB, ROUGH-IN AND CONNECT WITH S.O.V.
- ⑤ 1" GAS DOWN THROUGH ROOF TO FLOOR BELOW.
- ⑥ 3/4" 5PSI MPG UP FROM FLOOR BELOW THROUGH ROOF, ROUGH-IN AND CONNECT TO REGULATOR.
- ⑦ GAS LOAD = 132 CFH, MAXIMUM DEVELOPED LENGTH FROM REGULATOR TO MOST REMOTE OUTLET= 150 LINEAL FEET



GENERAL NOTES:

1. STORM DRAIN PIPE SIZES ARE BASED ON 2-INCH RAINFALL RATE PER HOUR WITH 1% SLOPE.

KEYED NOTES:

- ① 3/4" GAS UP TO HVAC UNIT, ROUGH-IN AND CONNECT. PROVIDE LINE SIZE SHUT-OFF VALVE & FLEX CONNECTION PRIOR TO CONNECTION.
- ② CONNECT 3/4" CONDENSATE TO HVAC UNIT CONDENSATE CONNECTION.
- ③ 3/4" CONDENSATE DOWN THROUGH ROOF TO FLOOR BELOW.
- ④ 3/4" CW UP THROUGH ROOF TO HOSE BIBB, ROUGH-IN AND CONNECT WITH S.O.V.
- ⑤ 1-1/4" GAS DOWN THROUGH ROOF TO FLOOR BELOW.
- ⑥ 3/4" 5PSI MPG UP FROM FLOOR BELOW THROUGH ROOF, ROUGH-IN AND CONNECT TO REGULATOR.
- ⑦ GAS LOAD = 204 CFH, MAXIMUM DEVELOPED LENGTH FROM REGULATOR TO MOST REMOTE OUTLET= 150 LINEAL FEET

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NO	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: G.W CHKD: F.T
 DATE: 04/08/2015 SCALE: 1/8"=1'-0"
 PROJECT NUMBER: 1310700

ASB & SPECIAL ED BUILDINGS ROOF PLUMBING PLANS

DRAWING NUMBER: **PS2.1**

ASB BUILDING ROOF PLUMBING PLAN

SCALE
 1/8"=1'-0" **2**

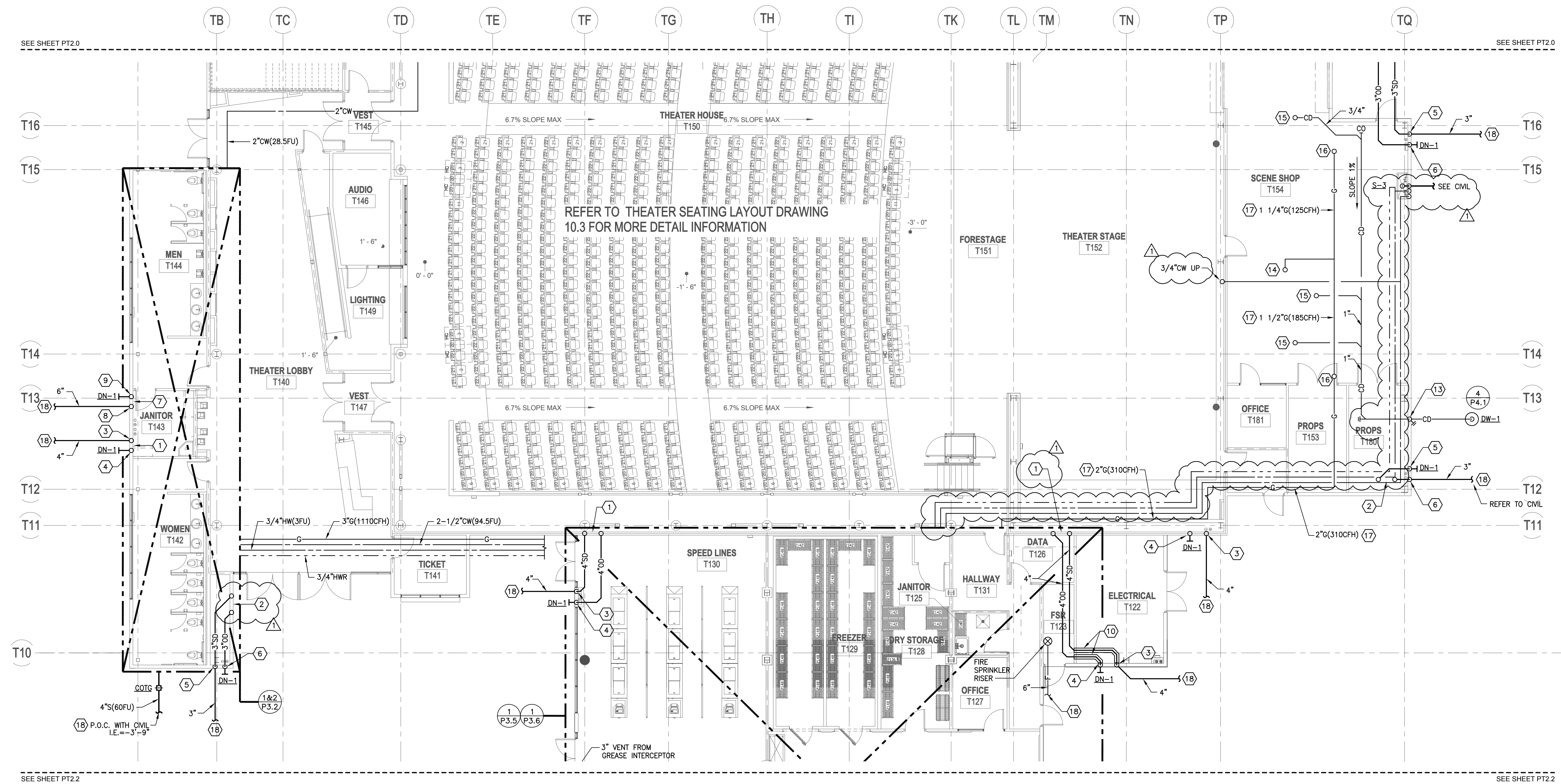
SPECIAL ED BUILDING ROOF PLUMBING PLAN

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

NOTE: PAINT ALL EXPOSED STORM AND OVERFLOW DRAIN PIPING TO MATCH ADJACENT SURROUNDINGS

KEYED NOTES:

- ① 4"SD & 4"OD DOWN FROM RD/1 & OD/1 ON ROOF TO CEILING SPACE.
- ② 3"SD & 3"OD DOWN FROM RD/1 & OD/1 ON ROOF TO CEILING SPACE.
- ③ 4"SD DOWN TO BELOW FLOOR. FOR CONTINUATION SEE SHEET P1.0.
- ④ 4"OD DOWN IN WALL. TERMINATE WITH OVERFLOW NOZZLE 6" ABOVE FINISHED EXTERIOR GRADE.
- ⑤ 3"SD DOWN TO BELOW FLOOR. FOR CONTINUATION SEE SHEET P1.0.
- ⑥ 3"OD DOWN IN WALL. TERMINATE WITH OVERFLOW NOZZLE 6" ABOVE FINISHED EXTERIOR GRADE.
- ⑦ 6"SD & 6"OD DOWN FROM RD/1 & OD/1 ON ROOF TO CEILING SPACE.
- ⑧ 6"SD DOWN TO BELOW FLOOR. FOR CONTINUATION SEE SHEET P1.0.
- ⑨ 6"OD DOWN IN WALL. TERMINATE WITH OVERFLOW NOZZLE 6" ABOVE FINISHED EXTERIOR GRADE.
- ⑩ PROVIDE DRAIN PAN FOR STORM DRAIN AND OVERFLOW PIPING IN ELECTRICAL ROOM.
- ⑪ 3/4" CW UP TO HOSE BIBB ON ROOF.
- ⑫ NOT USED
- ⑬ 1" CONDENSATE DOWN IN WALL TO DRYWELL.
- ⑭ 1" GAS UP THROUGH ROOF TO HVAC UNIT, ROUGH-IN AND CONNECT.
- ⑮ 3/4" CONDENSATE DOWN FROM HVAC UNIT ON ROOF TO CEILING SPACE.
- ⑯ 1-1/4" GAS UP THROUGH ROOF TO HVAC UNIT, ROUGH-IN AND CONNECT.
- ⑰ GAS PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE TO AVOID CONFLICTS WITH OTHER TRADES AND EQUIPMENT INSTALLATIONS.
- ⑱ FOR CONTINUATION SEE SHEET P1.0.



PLUMBING THEATER BUILDING FIRST FLOOR PLAN AREA B

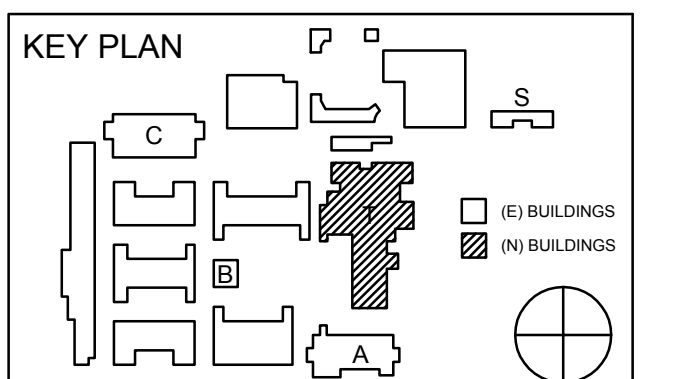
SCALE
1/8" = 1'-0" **1**

PLUMBING THEATER BUILDING FIRST FLOOR PLAN AREA B

DRAWING NUMBER: **PT2.1**

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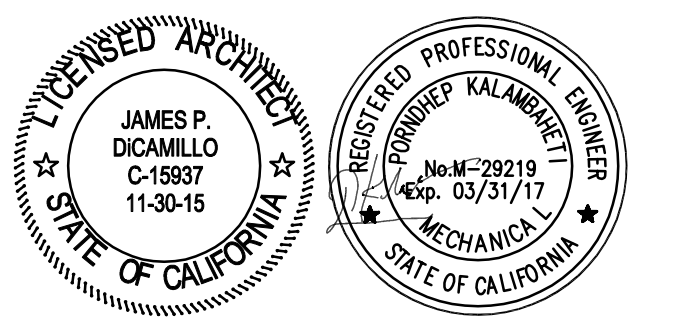
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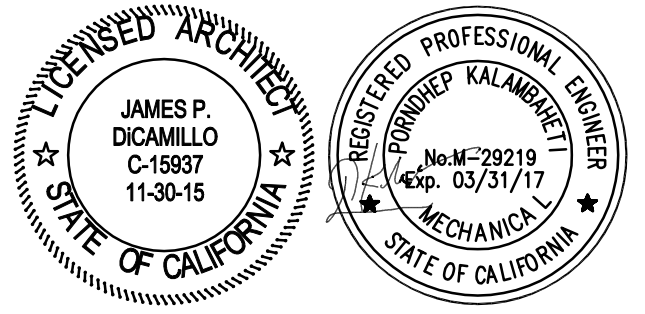
REVISION SCHEDULE		
NO	DATE	DESCRIPTION
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05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: G.W CHKD: F.T
DATE: 04/08/2015 SCALE: 1/8"=1'-0"
PROJECT NUMBER: 1310700

DRAWING NUMBER: **PT2.1**

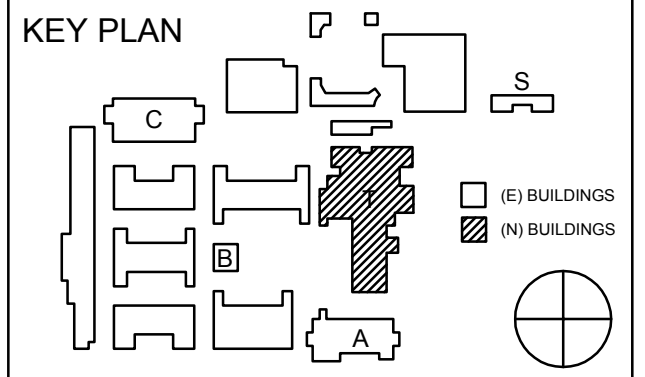


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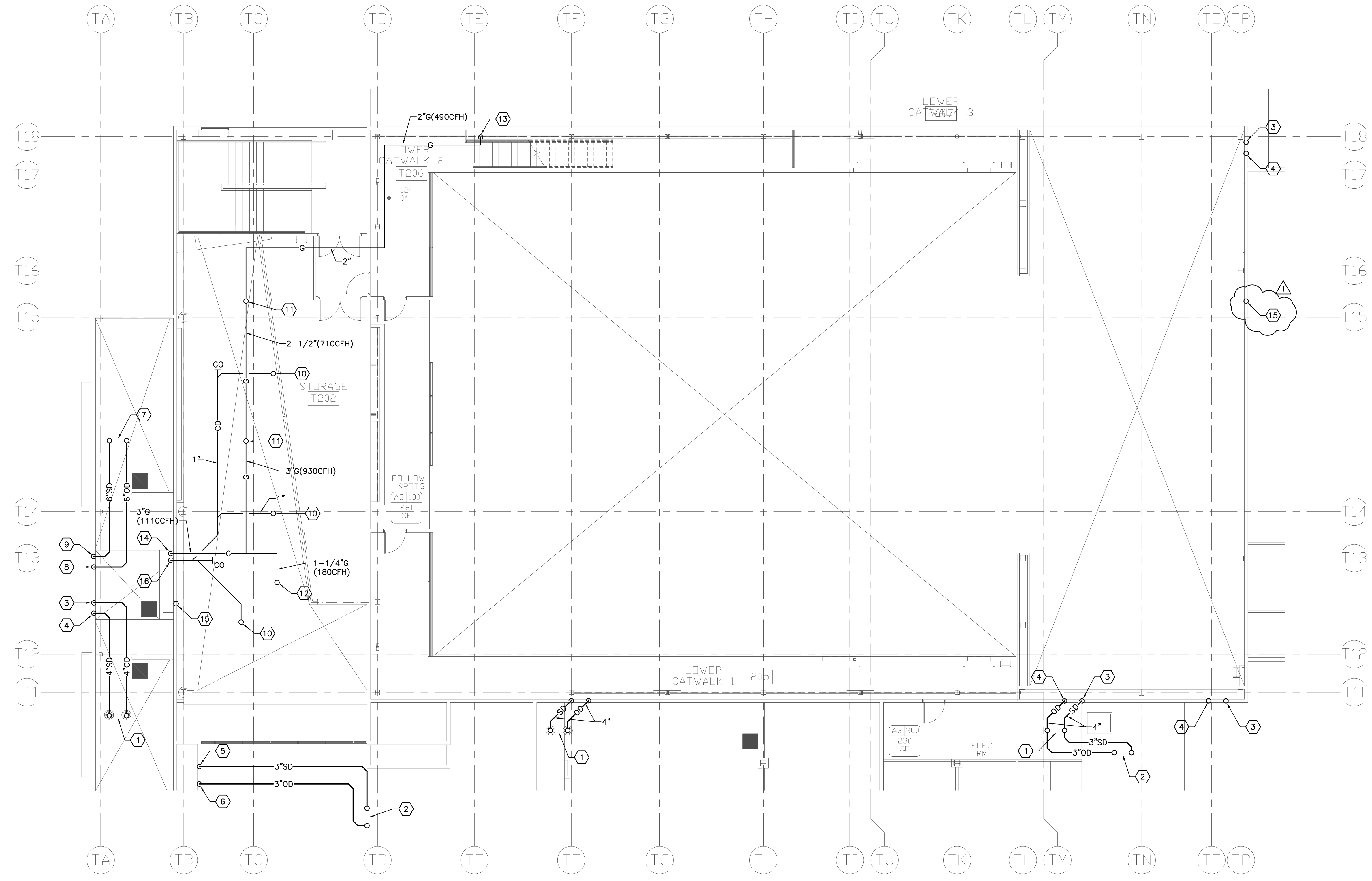


REVISION SCHEDULE		
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02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: G.W CHKD: F.T
DATE: 04/08/2015 SCALE: 1/8"=1'-0"
PROJECT NUMBER: 1310700

PLUMBING THEATER BUILDING LOWER CATWALK PLANS

DRAWING NUMBER: **PT2.3**

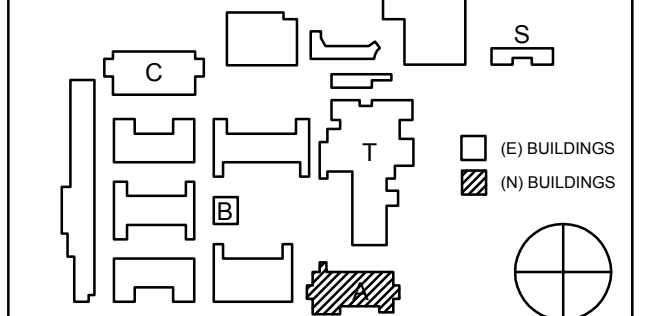


- KEYED NOTES:**
- ① 4"SD & 4"OD DOWN FROM RD/1 & OD/1 ON ROOF TO CEILING SPACE.
 - ② 3"SD & 3"OD DOWN FROM RD/1 & OD/1 ON ROOF TO CEILING SPACE.
 - ③ 4"SD DOWN IN WALL.
 - ④ 4"OD DOWN IN WALL.
 - ⑤ 3"SD DOWN IN WALL.
 - ⑥ 3"OD DOWN IN WALL.
 - ⑦ 6"SD & 6"OD DOWN FROM RD/1 & OD/1 ON ROOF TO CEILING SPACE.
 - ⑧ 6"SD DOWN IN WALL.
 - ⑨ 6"OD DOWN IN WALL.
 - ⑩ 1" CONDENSATE DOWN TO CEILING SPACE FROM HVAC UNIT ON ROOF.
 - ⑪ 1-1/2"G UP THROUGH ROOF TO HVAC UNIT ON ROOF.
 - ⑫ 1-1/4"G UP THROUGH ROOF TO HVAC UNIT ON ROOF.
 - ⑬ 2"G DOWN TO LOWER CEILING.
 - ⑭ 3"G UP IN CHASE TO BELOW ROOF.
 - ⑮ 3/4" CW FROM FLOOR BELOW UP TO HOSE BIBB ON ROOF.
 - ⑯ 1" CONDENSATE DOWN TO LOWER CEILING.

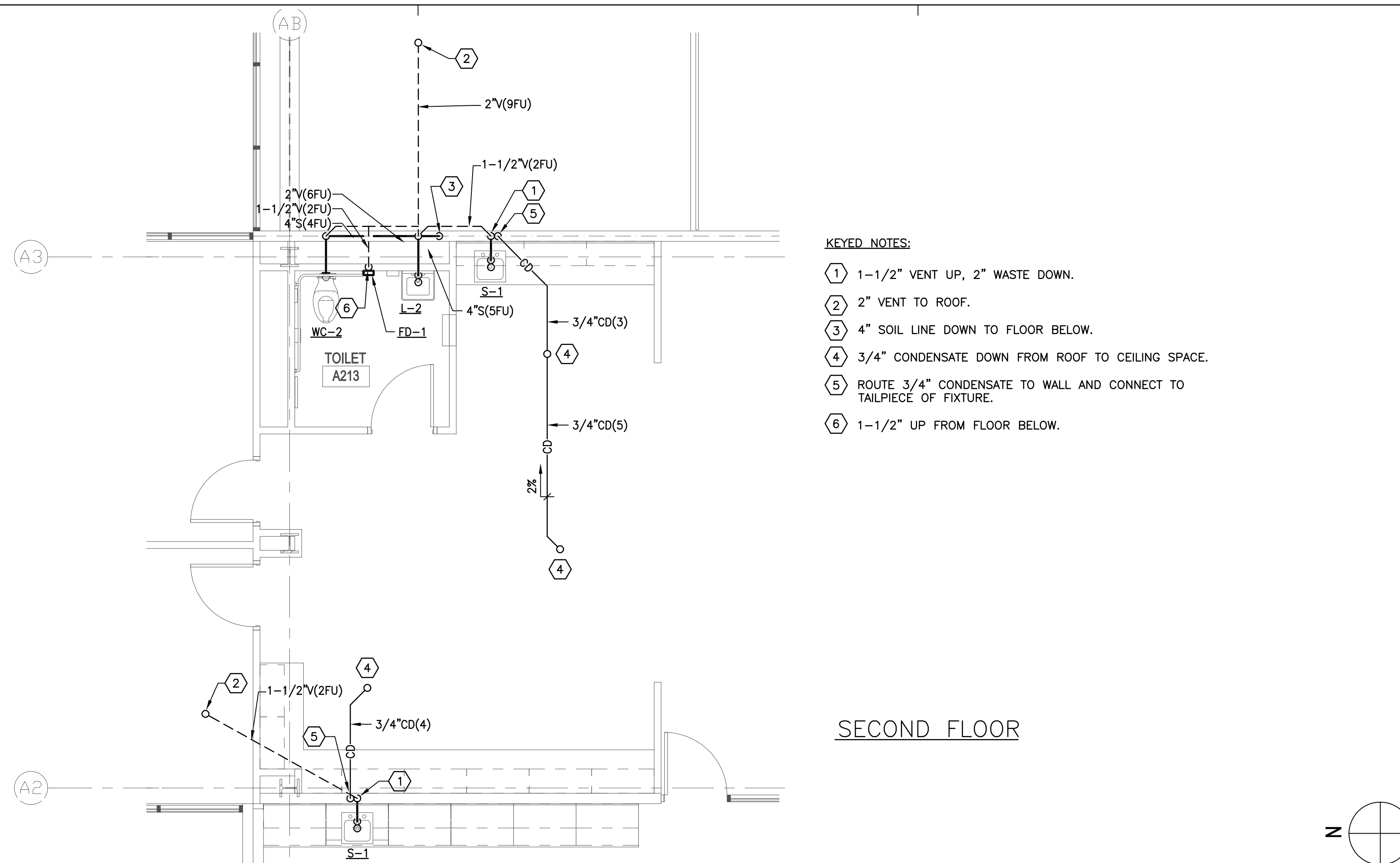


PLUMBING THEATER BUILDING SECOND FLOOR AND LOWER CATWALK PLANS

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

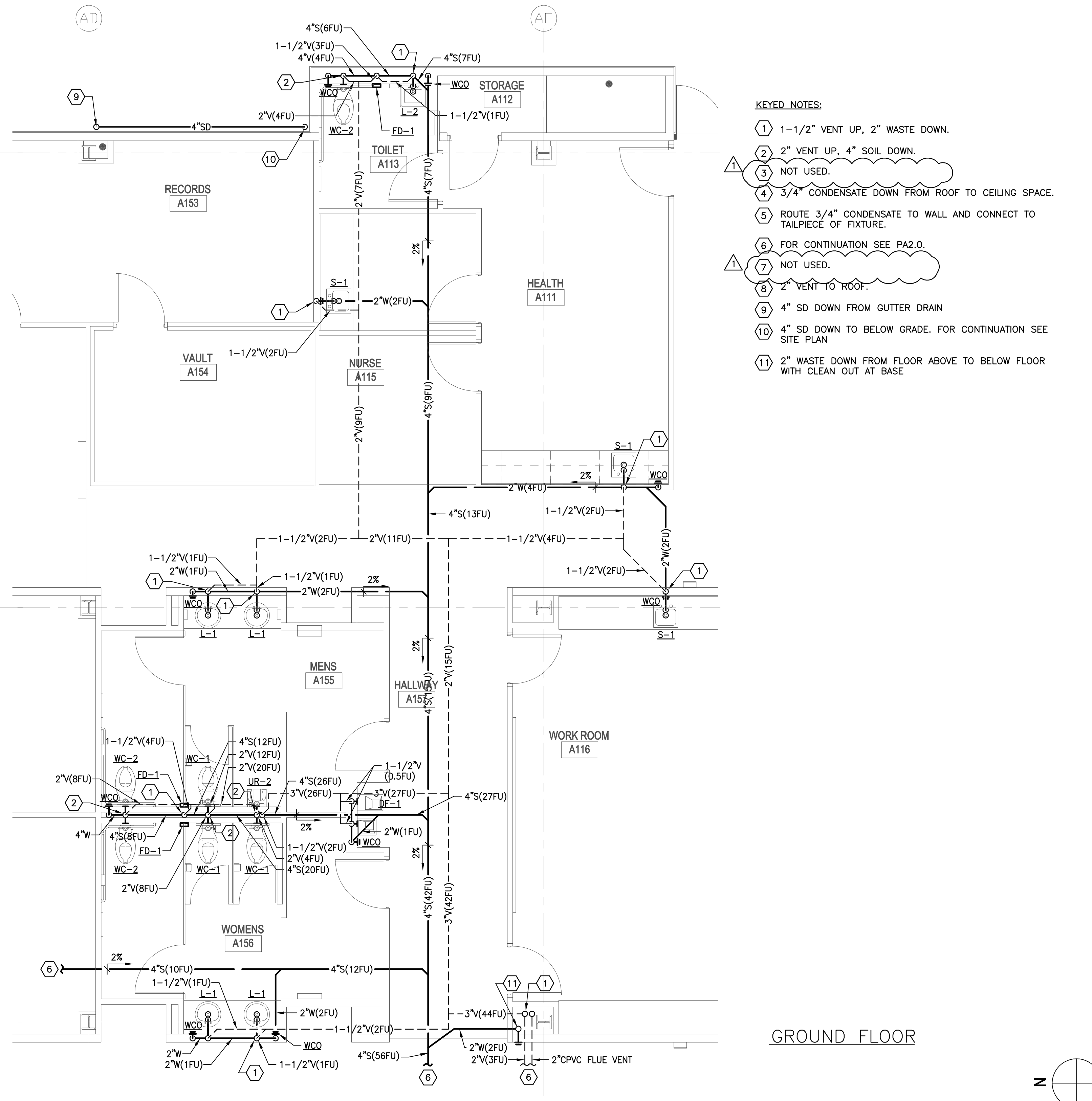


NO	DATE	DESCRIPTION
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04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1



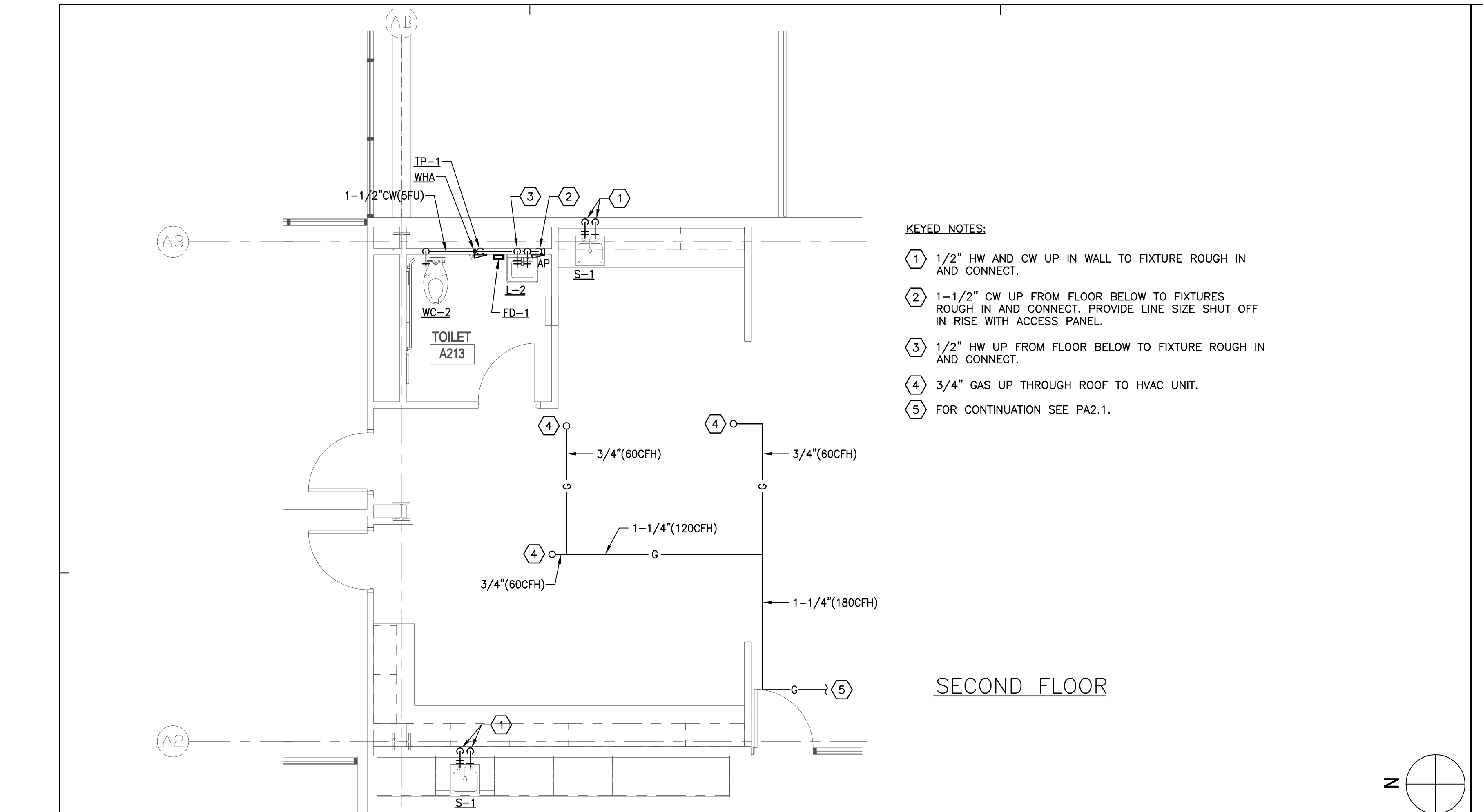
- KEYED NOTES:**
- 1-1/2" VENT UP, 2" WASTE DOWN.
 - 2" VENT TO ROOF.
 - 4" SOIL LINE DOWN TO FLOOR BELOW.
 - 3/4" CONDENSATE DOWN FROM ROOF TO CEILING SPACE.
 - ROUTE 3/4" CONDENSATE TO WALL AND CONNECT TO TAILPIECE OF FIXTURE.
 - 1-1/2" UP FROM FLOOR BELOW.

ENLARGED SOIL, WASTE AND VENT PLUMBING PLAN SCALE 1/4"=1'-0" **3**



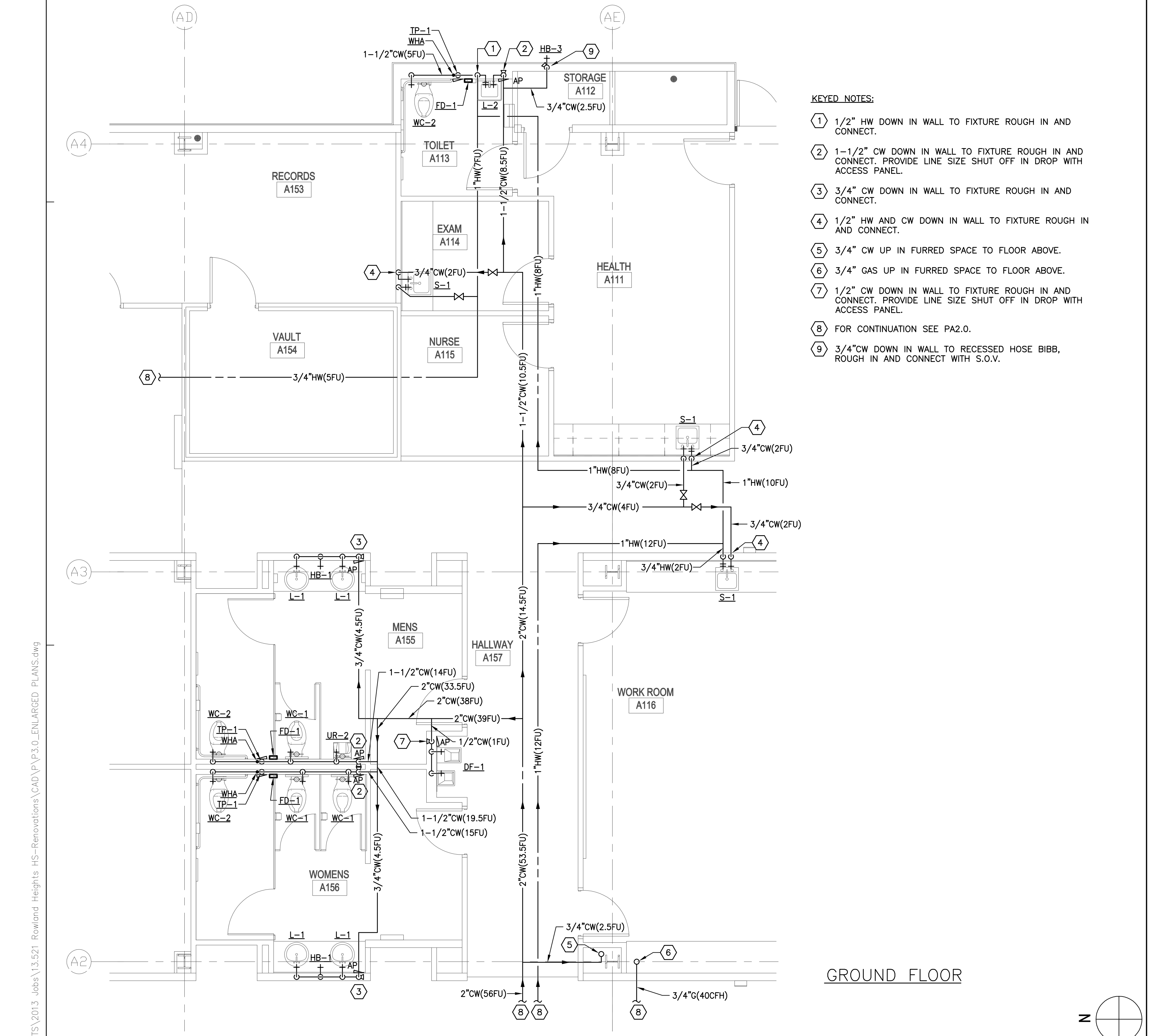
- KEYED NOTES:**
- 1-1/2" VENT UP, 2" WASTE DOWN.
 - 2" VENT UP, 4" SOIL DOWN.
 - NOT USED.
 - 3/4" CONDENSATE DOWN FROM ROOF TO CEILING SPACE.
 - ROUTE 3/4" CONDENSATE TO WALL AND CONNECT TO TAILPIECE OF FIXTURE.
 - FOR CONTINUATION SEE PA2.0.
 - NOT USED.
 - 2" VENT TO ROOF.
 - 4" SD DOWN FROM GUTTER DRAIN
 - 4" SD DOWN TO BELOW GRADE. FOR CONTINUATION SEE SITE PLAN
 - 2" WASTE DOWN FROM FLOOR ABOVE TO BELOW FLOOR WITH CLEAN OUT AT BASE

ENLARGED SOIL, WASTE AND VENT PLUMBING PLAN SCALE 1/4"=1'-0" **1**



- KEYED NOTES:**
- 1/2" HW AND CW UP IN WALL TO FIXTURE ROUGH IN AND CONNECT.
 - 1-1/2" CW UP FROM FLOOR BELOW TO FIXTURES ROUGH IN AND CONNECT. PROVIDE LINE SIZE SHUT OFF IN RISE WITH ACCESS PANEL.
 - 1/2" HW UP FROM FLOOR BELOW TO FIXTURE ROUGH IN AND CONNECT.
 - 3/4" GAS UP THROUGH ROOF TO HVAC UNIT.
 - FOR CONTINUATION SEE PA2.1.

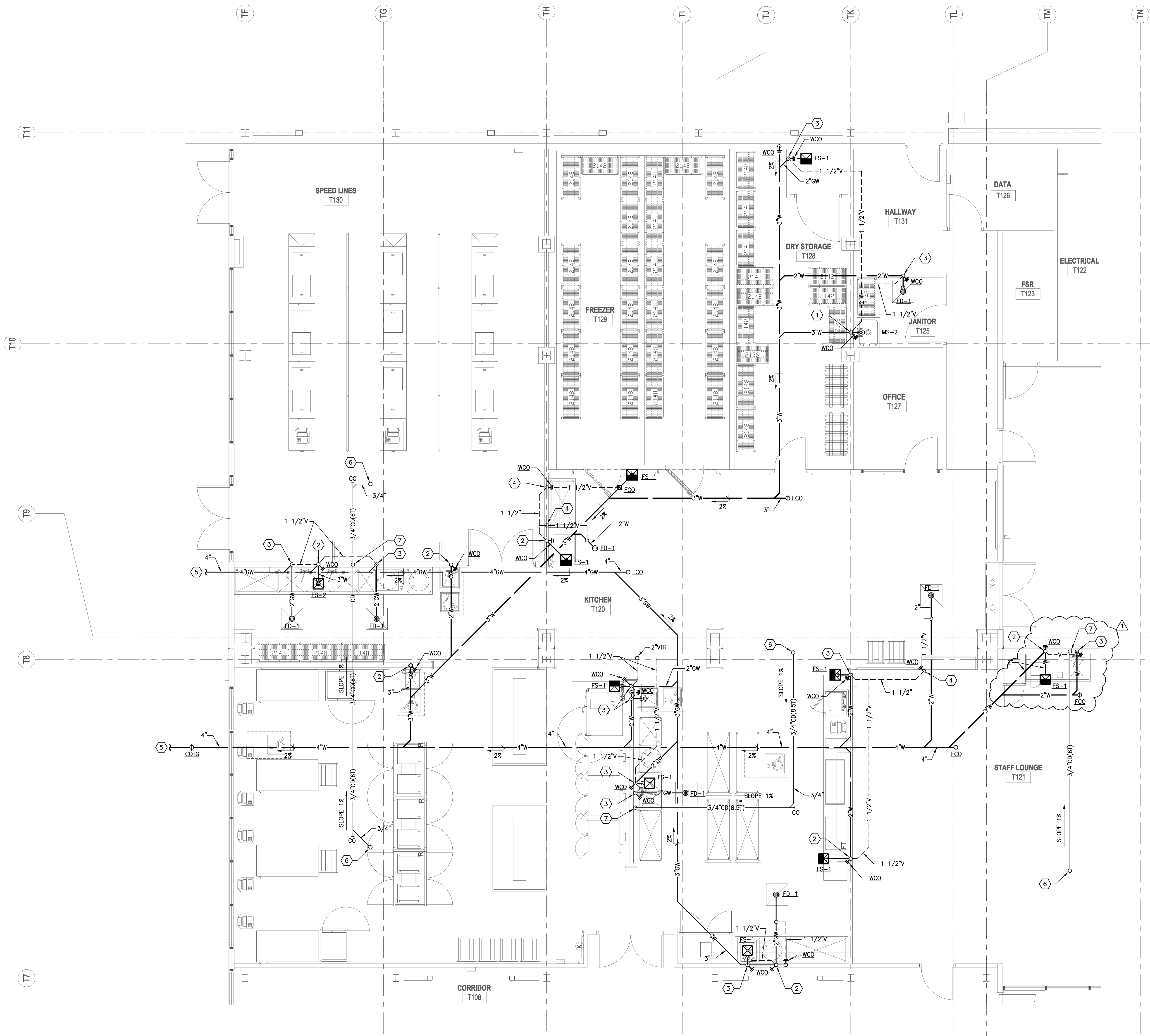
ENLARGED DOMESTIC WATER PLUMBING PLAN SCALE 1/4"=1'-0" **4**



- KEYED NOTES:**
- 1/2" HW DOWN IN WALL TO FIXTURE ROUGH IN AND CONNECT.
 - 1-1/2" CW DOWN IN WALL TO FIXTURE ROUGH IN AND CONNECT. PROVIDE LINE SIZE SHUT OFF IN DROP WITH ACCESS PANEL.
 - 3/4" CW DOWN IN WALL TO FIXTURE ROUGH IN AND CONNECT.
 - 1/2" HW AND CW DOWN IN WALL TO FIXTURE ROUGH IN AND CONNECT.
 - 3/4" CW UP IN FURRED SPACE TO FLOOR ABOVE.
 - 3/4" GAS UP IN FURRED SPACE TO FLOOR ABOVE.
 - 1/2" CW DOWN IN WALL TO FIXTURE ROUGH IN AND CONNECT. PROVIDE LINE SIZE SHUT OFF IN DROP WITH ACCESS PANEL.
 - FOR CONTINUATION SEE PA2.0.
 - 3/4" CW DOWN IN WALL TO RECESSED HOSE BIBB, ROUGH IN AND CONNECT WITH S.O.V.

ENLARGED DOMESTIC WATER PLUMBING PLAN SCALE 1/4"=1'-0" **2**

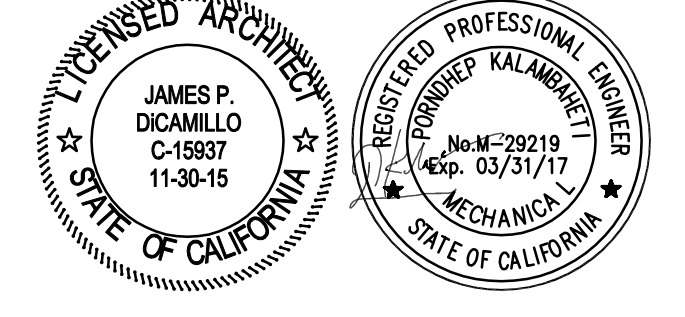
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- KEYED NOTES:**
- ① 2" VTR, 3" WASTE DOWN.
 - ② 1 1/2" VTR, 2" WASTE DOWN.
 - ③ 1 1/2" VENT UP, 2" WASTE DOWN.
 - ④ 1 1/2" VENT UP IN WALL TO ABOVE CEILING.
 - ⑤ FOR CONTINUATION SEE SHEET P1.0.
 - ⑥ 3/4" CONDENSATE DOWN FROM ROOF TO CEILING SPACE.
 - ⑦ 3/4" CONDENSATE DOWN IN WALL, ROUGH-IN AND CONNECT TO TAILPIECE OF FIXTURE.

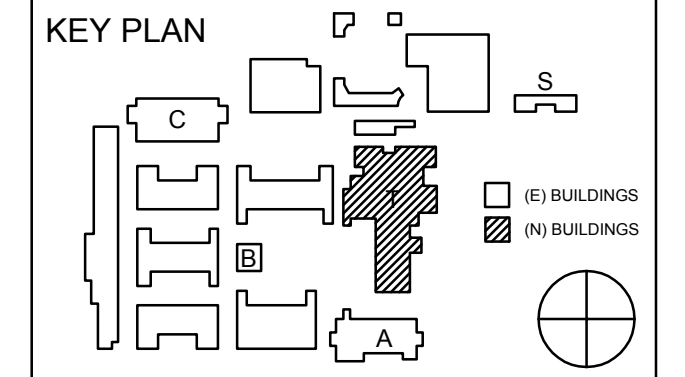
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 AC _____ FLS _____ SS _____
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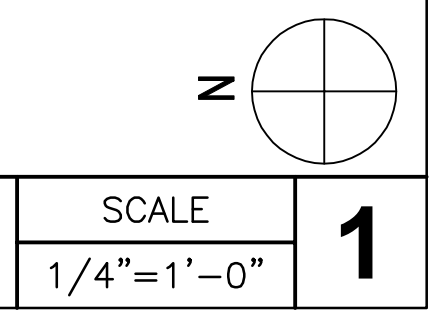
REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02	02/17/2014	100% DESIGN DEVELOPMENT
05	05/08/2014	80% CD PROGRESS
05	05/29/2014	DSA SUBMITTAL
04	04/08/2015	DSA BACK CHECK
Δ	12/12/2015	ADDENDUM 1

DRWN: G.W CHKD: F.T
 DATE: 06/15/2015 SCALE: 1/4"=1'-0"
 PROJECT NUMBER: 1310700

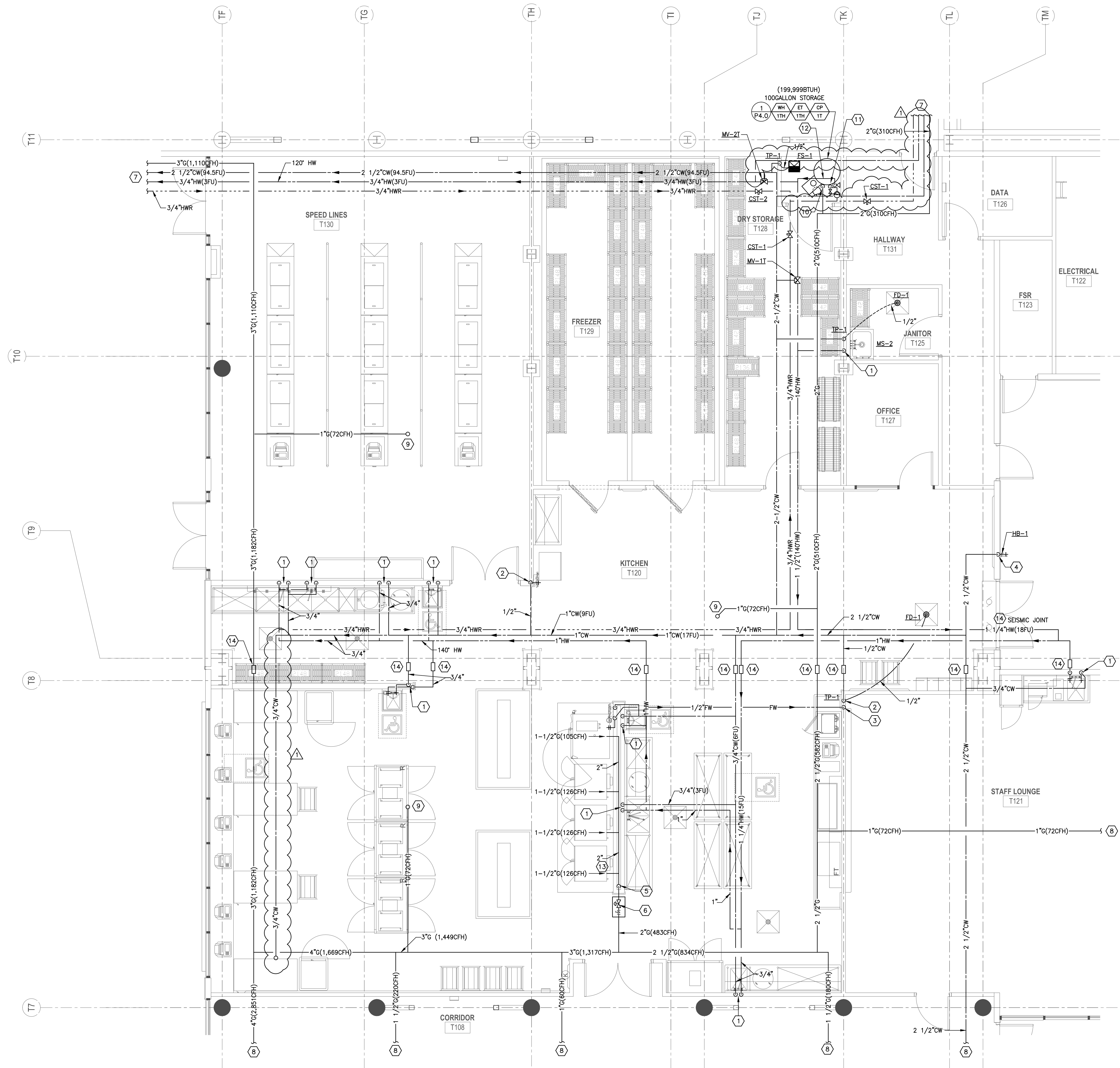
ENLARGED KITCHEN PLUMBING PLAN

DRAWING NUMBER: **P3.5**

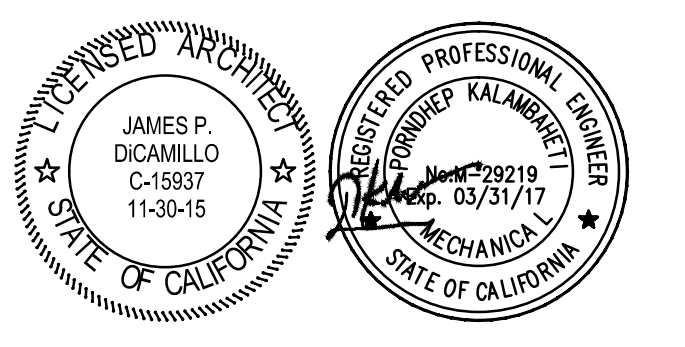
ENLARGED WASTE & VENT KITCHEN PLUMBING PLAN



S:\PROJECTS\2013 Jobs\13521 Rowland Heights HS-Renovations\CAD\VP3.6_ENLARGED PLANS.dwg

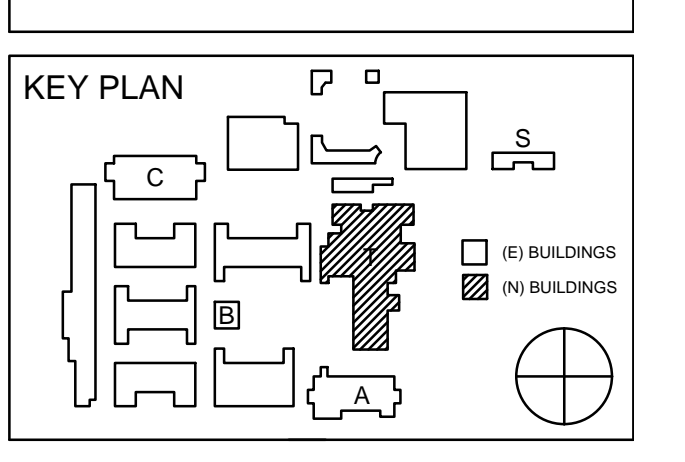


- KEYED NOTES:**
- ① 3/4"HW AND 3/4"CW DOWN IN WALL TO FIXTURE, ROUGH-IN AND CONNECT.
 - ② 1/2" CW DOWN IN WALL TO EQUIPMENT, ROUGH-IN AND CONNECT.
 - ③ 1/2" FILTERED WATER DOWN IN WALL TO EQUIPMENT, ROUGH-IN AND CONNECT.
 - ④ 3/4" CW DOWN IN WALL TO HOSE BIBB, ROUGH-IN AND CONNECT.
 - ⑤ 2" GAS DOWN IN WALL TO 2" HEADER, ROUGH-IN AND CONNECT EQUIPMENT.
 - ⑥ LINE SIZE AUTOMATIC SHUT-OFF VALVE, INTERLOCK WITH HOOD FIRE EXTINGUISHER SYSTEM. SHUT-OFF VALVE SHALL BE VISIBLE AND ACCESSIBLE.
 - ⑦ FOR CONTINUATION SEE SHEET PT.2.1.
 - ⑧ FOR CONTINUATION SEE SHEET PT.2.2.
 - ⑨ 1" GAS UP TO HVAC UNIT ON ROOF, ROUGH IN AND CONNECT.
 - ⑩ 2" GAS DOWN TO WATER HEATER, ROUGH IN AND CONNECT. PROVIDE LINE SIZE SHUT-OFF VALVE AND DRIP LEG PRIOR TO CONNECTION.
 - ⑪ 1 1/2" CW DOWN TO WATER HEATER AND 1 1/2" HW UP FROM WATER HEATER.
 - ⑫ PIPE PRESSURE RELIEF VALVE DISCHARGE TO MOP SINK, TERMINATE DISCHARGE WITH 1" AIR GAP.
 - ⑬ GAS SUPPLY LINE FOR FUTURE SHALL BE PROVIDED WITH LINE SIZE SHUT OFF VALVE AND BE CAPPED FOR FUTURE USE
 - ⑭ FOR TYPICAL SEISMIC JOINT DETAILS REFER TO 7/P4.1



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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL03-115771
AC FLS SS
DATE



REVISION SCHEDULE

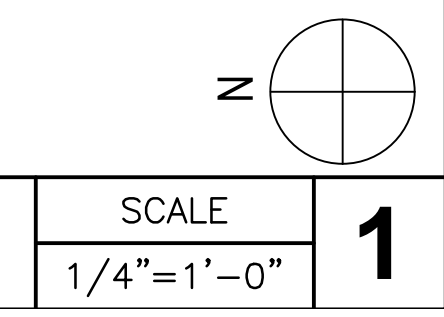
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05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: G.W CHKD: F.T
DATE: 06/15/2015 SCALE: 1/4"=1'-0"
PROJECT NUMBER: 1310700

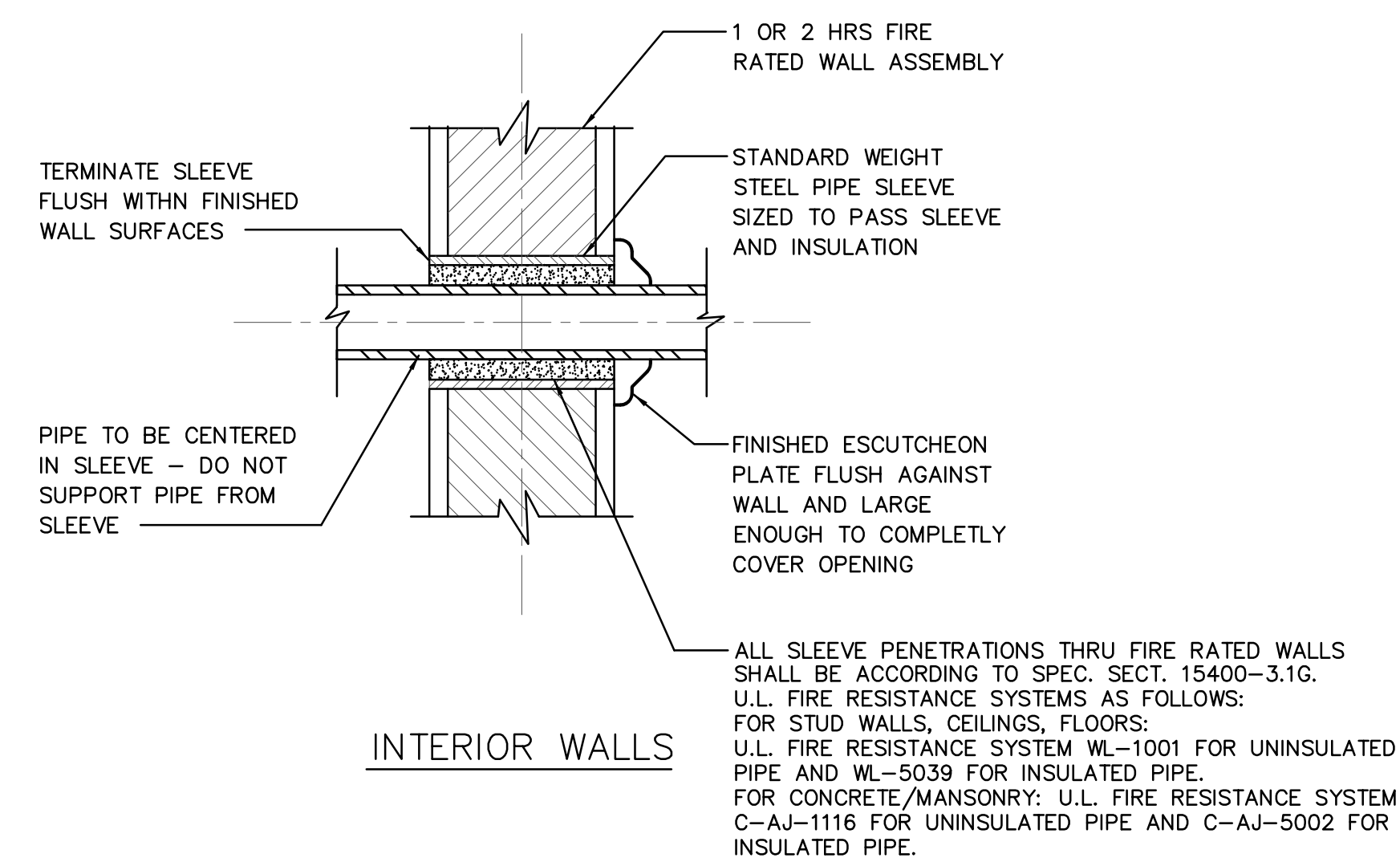
**ENLARGED KITCHEN
PLUMBING PLAN**

DRAWING NUMBER: **P3.6**

ENLARGED DOMESTIC WATER & GAS KITCHEN PLUMBING PLAN

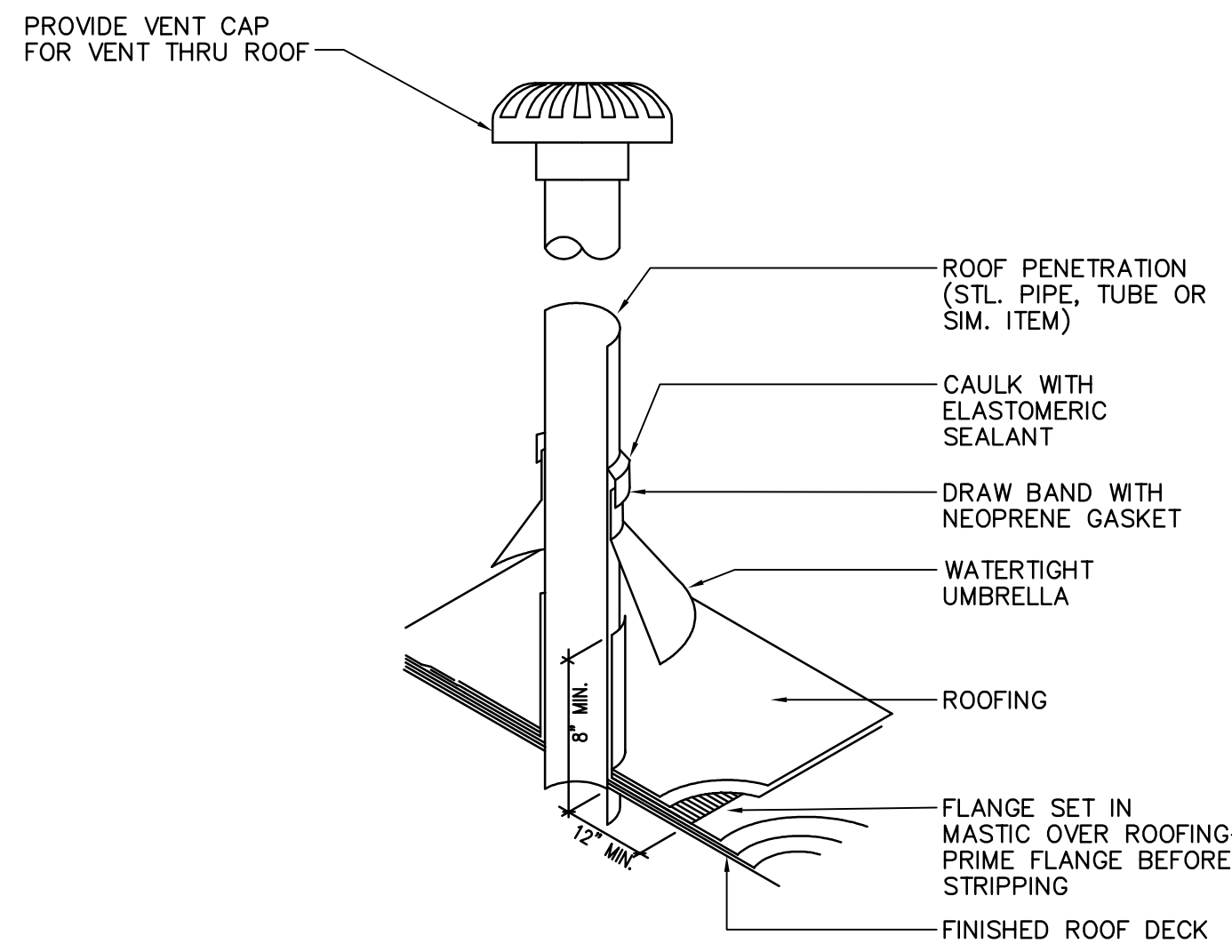


NOTE:
SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED WALLS
INSTALLATION OF FIRE STOP MATERIALS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



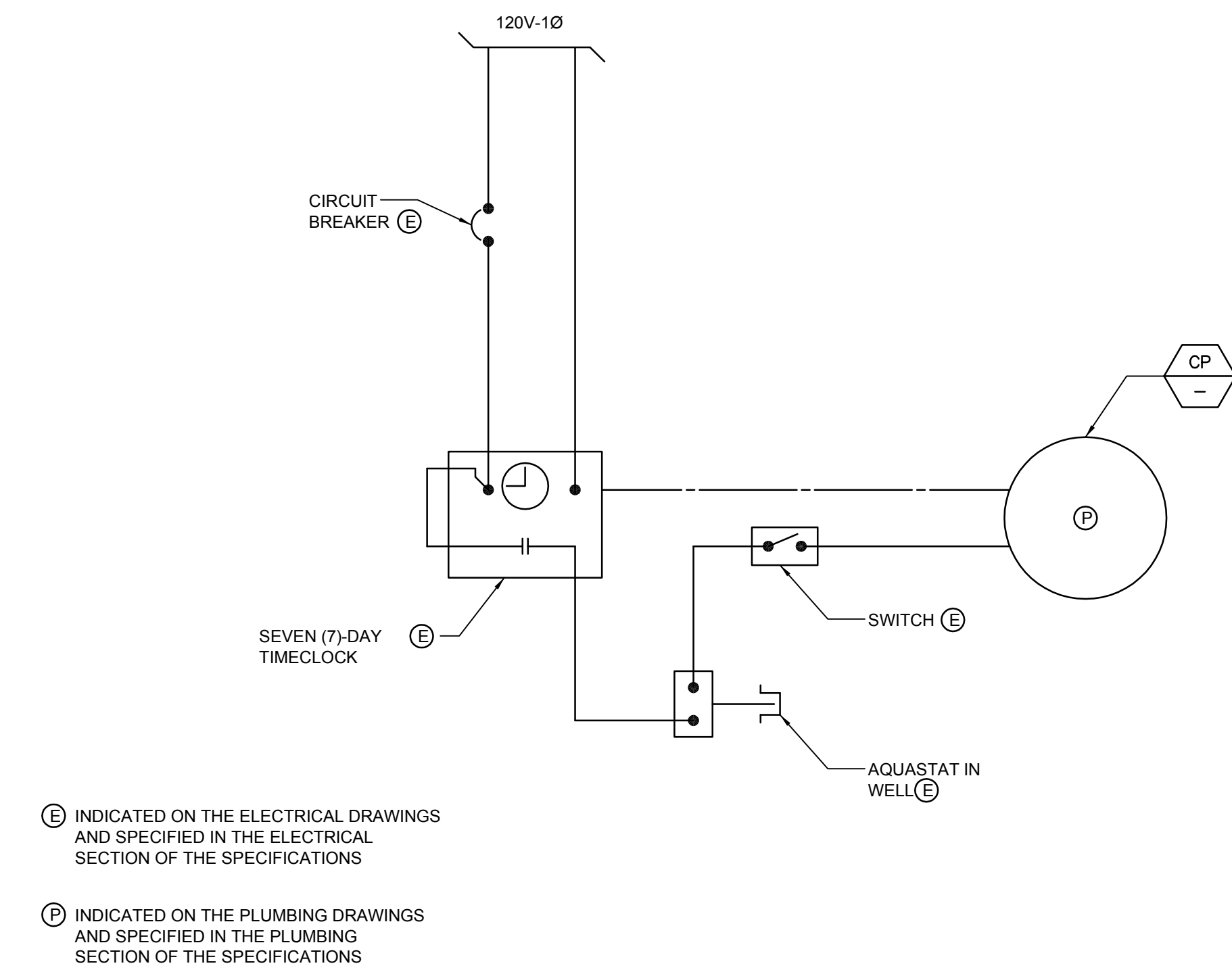
PIPE THRU FIRE RATED WALL DETAIL

SCALE NONE 9



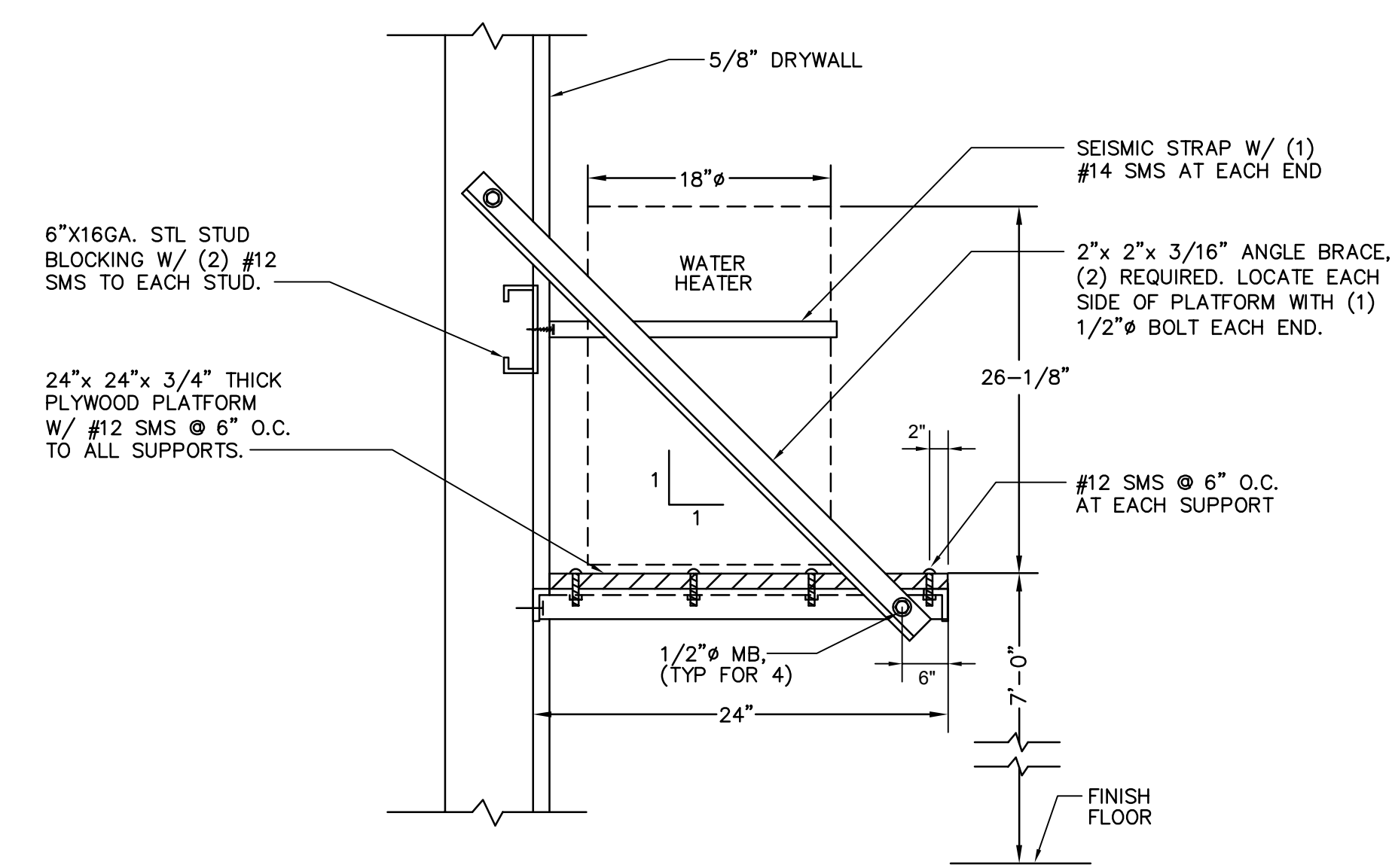
VENT PENETRATION THRU ROOF

SCALE NONE 6



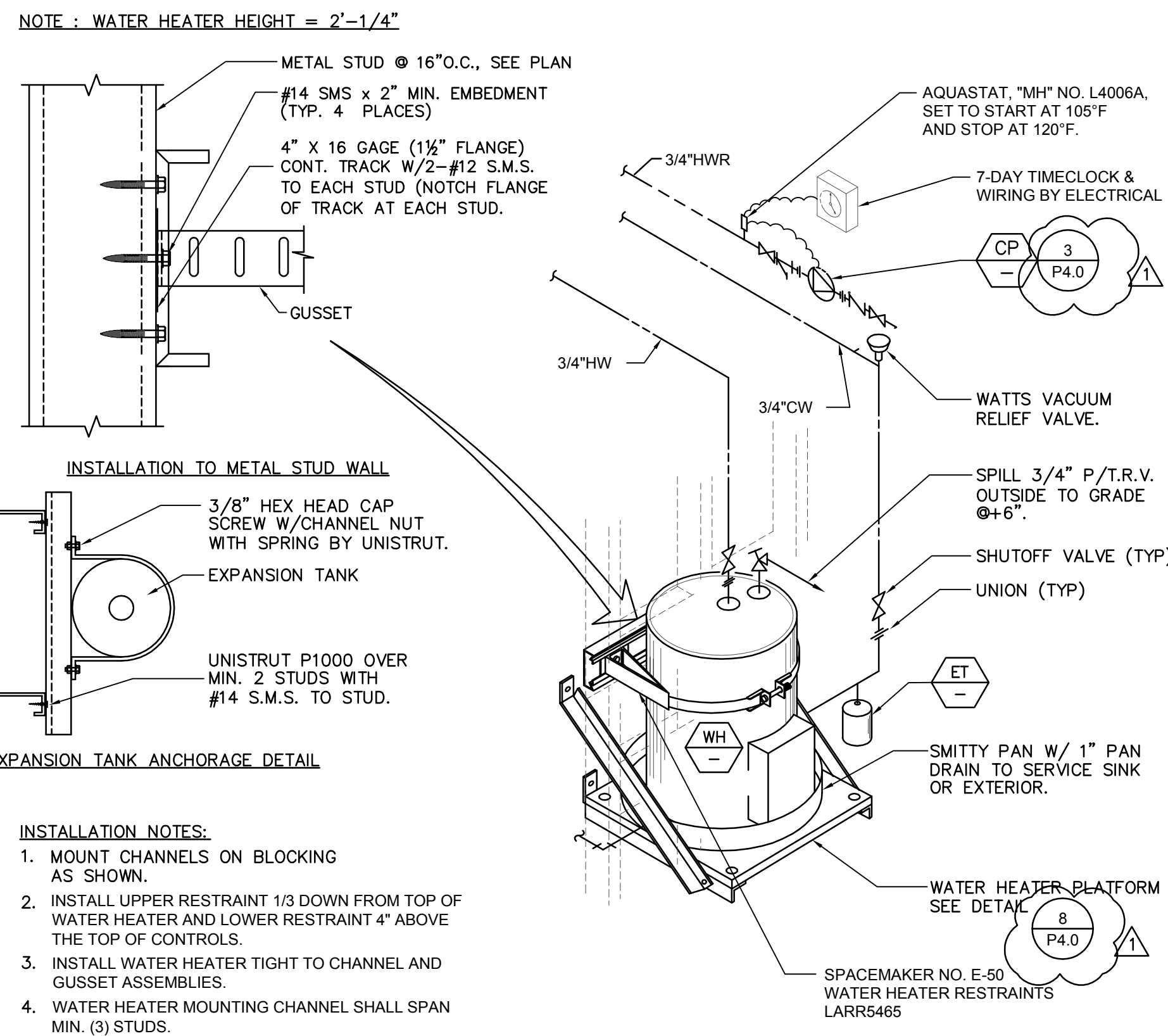
CIRCULATING PUMP WIRING DIAGRAM

SCALE NONE 3



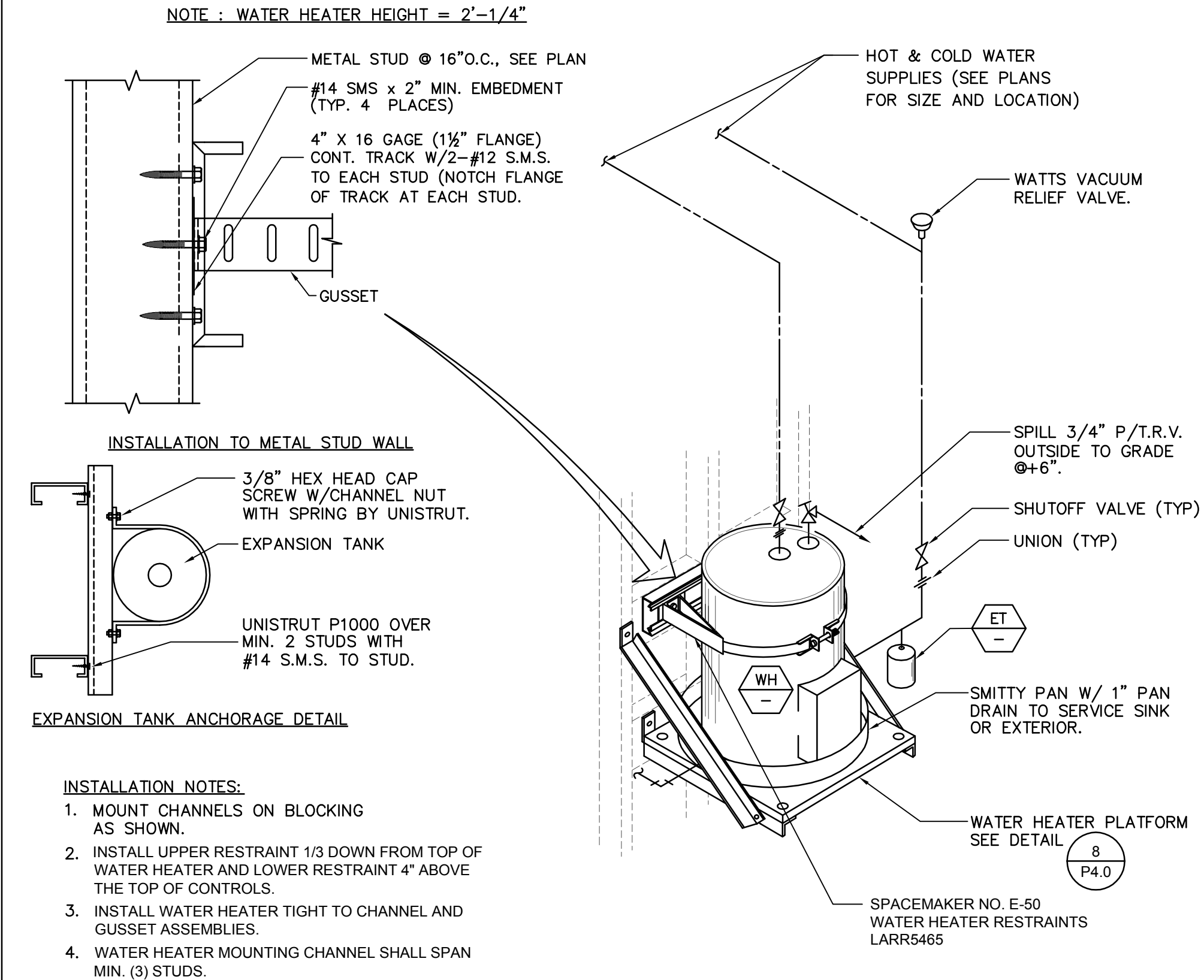
ELECTRIC WATER HEATER SHELF DETAIL

SCALE NONE 8



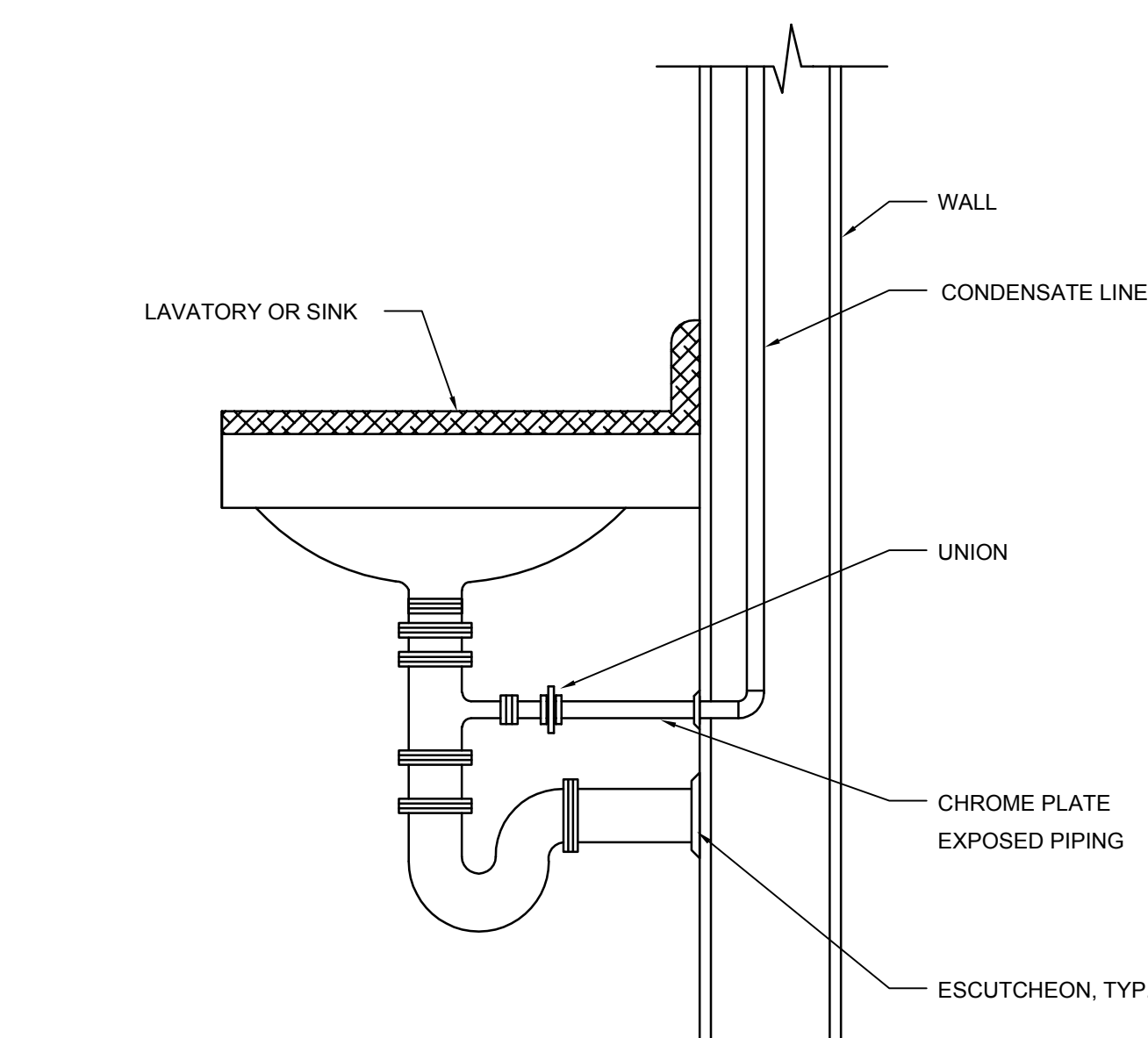
ELECTRICAL WATER HEATER DETAIL

SCALE NONE 5



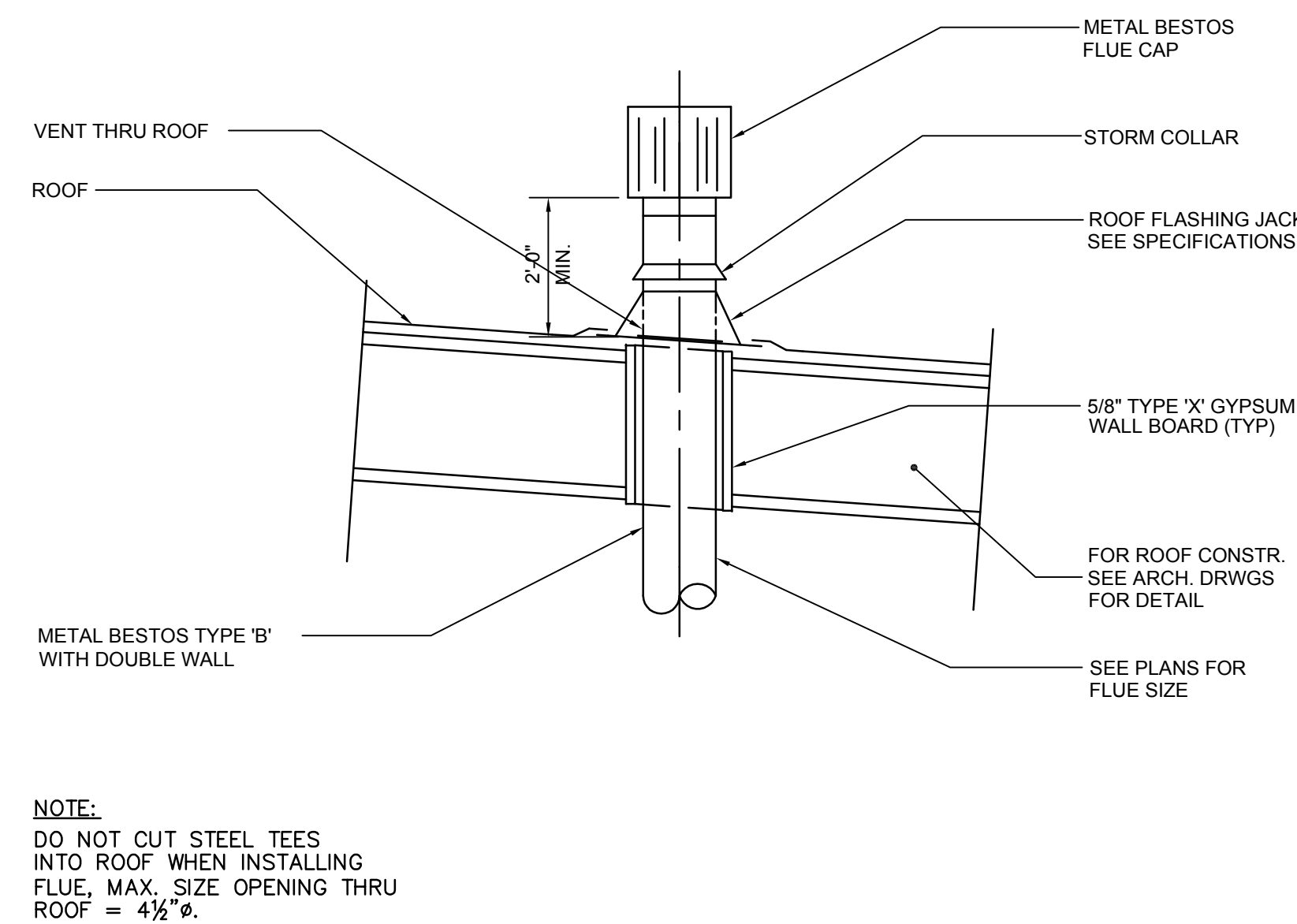
ELECTRIC WATER HEATER DETAIL

SCALE NONE 2



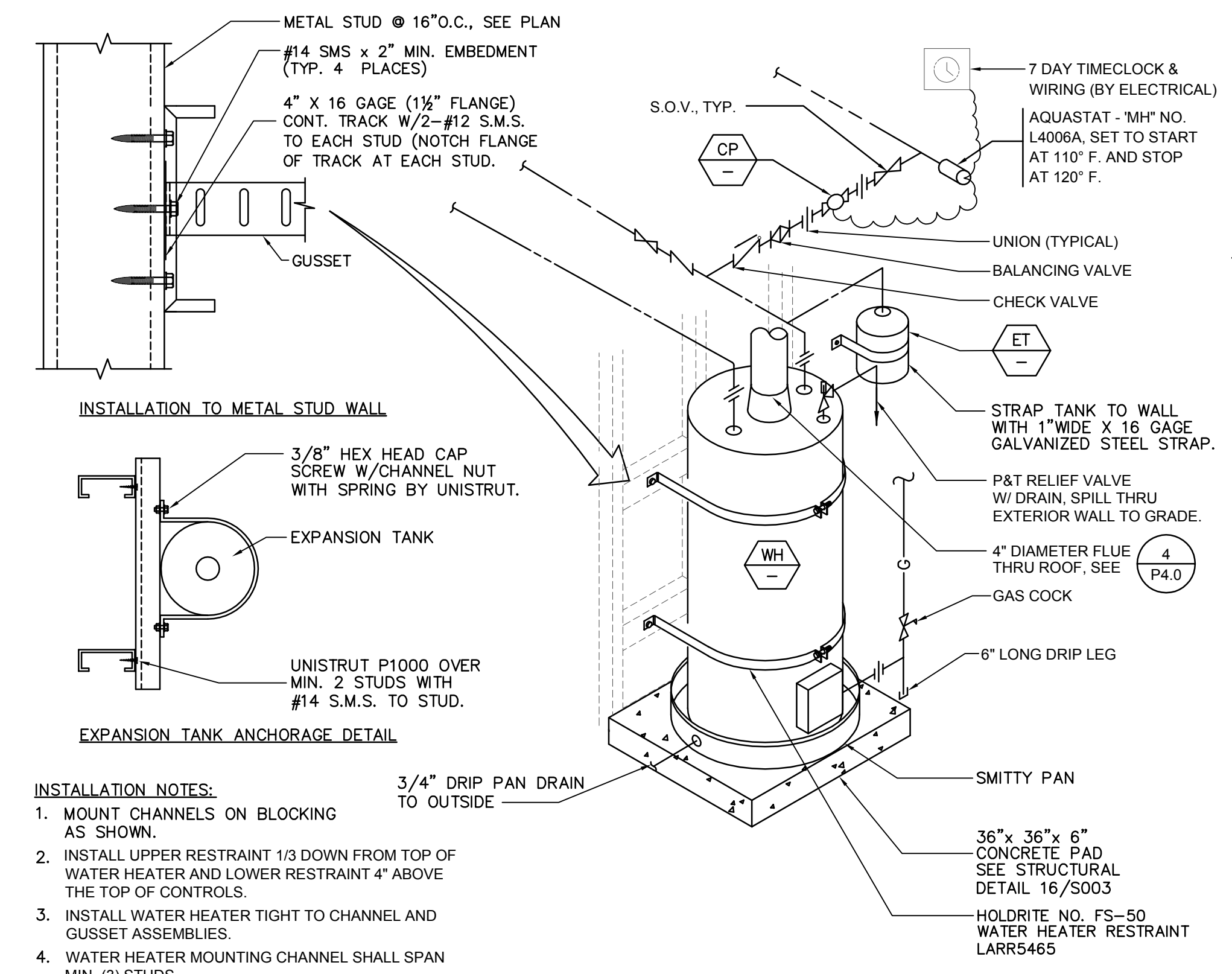
CD TO LAV/SINK TAILPIECE DETAIL

SCALE NONE 7



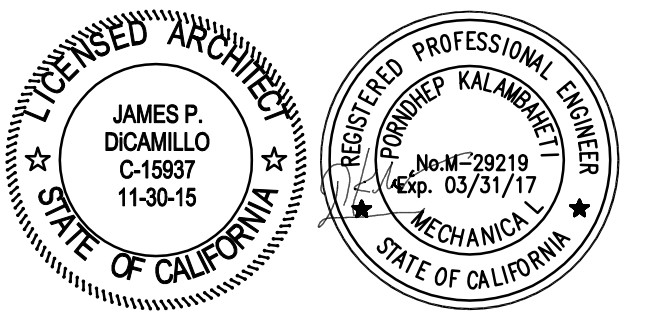
WATER HEATER FLUE DETAIL

SCALE NONE 4



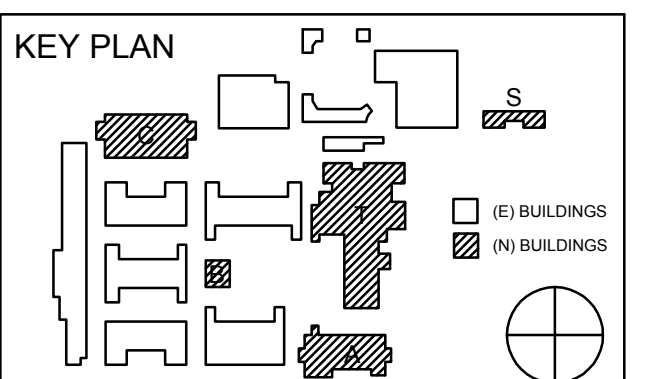
GAS WATER HEATER DETAIL

SCALE NONE 1



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FILE: 19-154
APPL03-115771
AC _____ FL _____ SS _____
DATE _____



REVISION SCHEDULE		
NO	DATE	DESCRIPTION
02/17/2014		100% DESIGN DEVELOPMENT
05/08/2014		90% CD PROGRESS
05/29/2014		DSA SUBMITTAL
04/08/2015		DSA BACK CHECK
12/12/2015		ADDENDUM 1

DRWN: _____ CHKD: _____
DATE: 04/08/2015 SCALE: NO SCALE
PROJECT NUMBER: 1310700

SCOPE OF WORK

PROVIDE, FURNISH, INSTALL AND PROGRAM A NEW INTELLIGENT REPORTING, MICROPROCESSOR CONTROLLED, ADDRESSABLE, FIRE DETECTION AND EMERGENCY VOICE ALARM COMMUNICATION SYSTEM FOR THE NEW ADMINISTRATION BUILDING, THEATER/CAFETERIA BUILDING, CLASSROOM BUILDINGS, SPECIAL EDUCATION BUILDING AND ASB BUILDINGS TO BE LOCATED ON THE ROWLAND HIGH SCHOOL CAMPUS. THE FIRE ALARM SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF NFPA STANDARD 72 FOR PROTECTED PREMISES SIGNALING SYSTEMS. THE FACILITY SHALL HAVE AN EMERGENCY VOICE ALARM COMMUNICATION SYSTEM. THE SYSTEM AND ITS COMPONENTS SHALL BE UNDERWRITERS LABORATORIES, INC. LISTED UNDER THE APPROPRIATE UL TESTING STANDARD AS LISTED HEREIN FOR FIRE ALARM APPLICATIONS AND THE INSTALLATION SHALL BE IN COMPLIANCE WITH THE UL LISTING.

PROJECT INFORMATION

ADMINISTRATIVE/LIBRARY BUILDING (Fully Sprinklered)

- TOTAL SQ. FT.: 27,980 SQ. FT.
- STORIES: 2 FLOORS
- OCCUPANCY CLASSIFICATION: A-3 & B
- CONSTRUCTION TYPE: II-B

THEATRE/CAFETERIA BUILDING (Fully Sprinklered)

- TOTAL SQ. FT.: 36,174 SQ. FT.
- STORIES: 2 FLOORS
- OCCUPANCY CLASSIFICATION: A-1, A-3, & B
- CONSTRUCTION TYPE: II-B

CLASSROOM BUILDING (Fully Sprinklered)

- TOTAL SQ. FT.: 32,047 SQ. FT.
- STORIES: 2 FLOORS
- OCCUPANCY CLASSIFICATION: E
- CONSTRUCTION TYPE: II-B

ASB BUILDING

- TOTAL SQ. FT.: 2,416 SQ. FT.
- STORIES: 1 FLOOR
- OCCUPANCY CLASSIFICATION: E
- CONSTRUCTION TYPE: II-B

SPECIAL EDUCATION BUILDING

- TOTAL SQ. FT.: 3,584 SQ. FT.
- STORIES: 1 FLOOR
- OCCUPANCY CLASSIFICATION: E
- CONSTRUCTION TYPE: II-B

DRAWING INDEX

PLEASE REFER TO THE COMPLETE INDEX OF DRAWINGS ON SHEET A0.2.

APPLICABLE CODES & STANDARDS

AS OF JANUARY 1, 2014

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING PARTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS (CCR)

2013 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1 TITLE 24 C.C.R.	2013 EDITION
2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (BASED ON THE 2012 INTERNATIONAL BUILDING CODE (IBC))	2013 EDITION
2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (BASED ON THE 2011 NATIONAL ELECTRICAL CODE (NEC))	2011 EDITION
2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (BASED ON THE 2012 INTERNATIONAL MECHANICAL CODE (IMC))	2013 EDITION
2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (BASED ON THE 2012 INTERNATIONAL PLUMBING CODE (IPC))	2013 EDITION
2013 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R. (BASED ON THE 2012 INTERNATIONAL FIRE CODE (IFC))	2013 EDITION
2013 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.	2012 EDITION
NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS	2013 EDITION
NFPA 24 - PRIVATE FIRE MAINS	2011 EDITION
NFPA 70 - NATIONAL ELECTRICAL CODE	2013 EDITION
NFPA 72 - NATIONAL FIRE ALARM CODE (AS AMENDED IN CHAPTER 47 OF THE 2013 CFC)	2013 EDITION
NFPA 101 - LIFE SAFETY CODE	2012 EDITION

GENERAL NOTES

- ALL FIRE ALARM EQUIPMENT SHALL BE C.S.F.M AND U.L. LISTED.
- FIRE PROTECTIVE SIGNALING SYSTEM IS POWER LIMITED.
- THE FIRE DETECTION/NOTIFICATION/COMMUNICATION SYSTEM SHALL BE NEW, AND THE MANUFACTURER'S (NOTIFIER) CURRENT MODEL, ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE UL LISTING.
- THE FIRE DETECTION / NOTIFICATION / COMMUNICATION SYSTEM(S) SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 72 FOR PROTECTED PREMISE FIRE ALARM SYSTEMS EXCEPT AS MODIFIED AND SUPPLEMENTED BY THIS SPECIFICATION.
- THE SYSTEM SHALL BE ELECTRICALLY SUPERVISED AND MONITOR THE INTEGRITY OF ALL CONDUCTORS, WIRING SHALL NOT BE LOOPED THROUGH DEVICES; ALL WIRING SHALL BE CUT FOR IN AND OUT.
- THE CONTRACTOR SHALL PROVIDE COMPLETE SYSTEM SET UP AND PROGRAMMING, INCLUDING THE DIRECTIVES ISSUED BY THE ROWLAND USD PROJECT MANAGER OR THEIR AUTHORIZED REPRESENTATIVE, RESULTING IN A COMPLETE AND OPERATIONAL SYSTEM READY FOR USE.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
- A DSA STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
- ALL INITIATING AND SUPERVISORY DEVICES SHALL BE CONNECTED TO THE FIRE DETECTION AND NOTIFICATION SYSTEM VIA SIGNAL LINE CIRCUITS (SLC) LOOPS UTILIZING INTELLIGENT ADDRESSABLE DEVICES. ALL DEVICES SHALL BE IDENTIFIED BY DEVICE TYPE, LOCATION OF DEVICE, AND IDENTIFICATION OF BUILDING AND/OR AREA OF PROPERTY.
- EACH INTELLIGENT DEVICE SHALL BE DESIGNATED AS AN INDEPENDENT ZONE AND SHALL TRANSMIT SEPARATE AND DIFFERENT ALARM, SUPERVISORY AND TROUBLE SIGNALS TO THE FIRE ALARM CONTROL PANEL (FACP) AND DESIGNATED PERSONNEL.
- SIGNALING LINE CIRCUITS (SLC) SERVING MORE THAN ONE AREA SHALL BE SEGREGATED BY AREA, BY SLC ADDRESSABLE LOOP ISOLATORS, SUCH THAT THE LARGEST SINGLE FAULT AREA DOES NOT EXCEED ONE AREA.
- MINIMUM CONDUCTOR SIZE FOR NEW INDICATING, SLC CIRCUITS SHALL BE NO. 16 AWG UNLESS OTHERWISE SPECIFIED, DEPENDING UPON MANUFACTURER'S SPECIFICATIONS AND SUBJECT TO APPROVAL BY THE ROWLAND USD PROJECT MANAGER AND PROJECT ENGINEER.
- THE FIRE ALARM SYSTEM SHALL INTEGRATE TO THE FIRE SPRINKLER SYSTEMS, AND MONITOR WITH INTELLIGENT MONITORING MODULE DEVICES, WHICH SHALL BE DESIGNATED AS AN INDEPENDENT ZONE. THE FIRE SPRINKLER SYSTEM WATER-FLOW SWITCHES, PRESSURE SWITCHES, TAMPER SWITCHES, CONTROL SOLENOIDS ETC. TO PROVIDE FULL SUPERVISION OF THE FIRE SUPPRESSION SYSTEM. SUPPRESSION SYSTEM CONTROL, VALVES, SWITCHES SHALL BE SUPERVISED FOR OFF-NORMAL POSITION.
- ALL ALARM DEVICES SHALL BE LISTED FOR USE AND COMPATIBLE WITH THE FIRE ALARM SYSTEM.
- ALL TERMINATIONS IN MAIN PULL BOXES AND TERMINAL CABINETS SHALL BE ON BOX MOUNTED TERMINAL BLOCKS.
- THE FIRE ALARM CONTROL PANEL (FACP) AND POWER SUPPLIES ARE NOT TO BE USED AS A TERMINAL CABINET.
- THE PRIMARY POWER SUPPLY OF THE FIRE ALARM SYSTEM SHALL BE CONNECTED TO A DEDICATED BRANCH CIRCUIT OF A HIGH DEGREE RELIABLE BUILDING LIGHT AND POWER SERVICE.
- EXCEPT AS PERMITTED, FIRE ALARM SYSTEMS SHALL BE PROVIDED WITH AT LEAST TWO INDEPENDENT AND RELIABLE POWER SUPPLIES, ONE PRIMARY AND ONE SECONDARY.
- THE CONTRACTOR SHALL PROVIDE ALL POWER SUPPLIES, SURGE SUPPRESSORS AND RELATED EQUIPMENT REQUIRED TO RESULT IN A COMPLETE AND FULLY OPERATIONAL SYSTEM. ALL POWER SUPPLIES AND RELATED EQUIPMENT SHALL BE DESIGNED SPECIFICALLY FOR ITS INTENDED USE AS PRESCRIBED IN THE MANUFACTURERS PRINTED INSTRUCTIONS FOR THE ACTUAL EQUIPMENT PROVIDED.
- ALL POWER SUPPLIES AND RELATED EQUIPMENT SHALL BE PROVIDED IN ELECTRICAL ENCLOSURES, WHICH MEET OR EXCEED NATIONAL AND LOCAL ELECTRICAL CODES.
- ALL POWER SUPPLIES AND RELATED EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES FOR ITS INTENDED PURPOSE.
- SMOKE DETECTORS SHALL NOT BE PLACED WITHIN 3 FEET OF HVAC REGISTERS OR WITHIN 1 FOOT OF FLORESCENT LIGHT FIXTURES AND SPRINKLER HEADS.
- SMOKE DETECTORS AND HEAT DETECTOR LOCATIONS ARE BASED ON SMOOTH CEILING WITH MAXIMUM HEIGHT OF 10 FEET UNLESS OTHERWISE NOTED.
- CENTER OF PULL STATION SHALL BE MOUNTED AT 48" ABOVE FLOOR LEVEL.
- MONITOR ZONE MODULE(S) SHALL BE ADDRESSABLE AND SHALL CONNECT TO THE FIRE ALARM CONTROL PANEL'S SIGNALING LINE CIRCUITS (SLC).
- THE USE OF NON STANDARD SIZE "MINI-MODULES" (MM-101) IS PROHIBITED.
- THE STANDARD SIZE ADDRESSABLE MONITOR ZONE MODULE SHALL MOUNT WITHIN A FIRE ALARM TERMINATION ENCLOSURE OR IN A 4-INCH SQUARE (101.6 MM SQUARE), 2-1/8 INCH (54 MM) DEEP ELECTRICAL BOX.
- LINKING MULTIPLE DEVICE INPUT, COMMON ANNUNCIATION AND T-TAPPING ARE PROHIBITED.
- T-TAPPING IS PROHIBITED FOR ALL CLASS A AND CLASS B CIRCUITS. NON-ADDRESSABLE CIRCUITS T-TAPPING IS PROHIBITED.
- THE CONTROL MODULE SHALL BE ADDRESSABLE, AND SHALL CONNECT TO THE FIRE ALARM CONTROL PANEL'S SIGNALING LINE CIRCUITS (SLC).
- ADDRESSABLE CONTROL MODULES SHALL BE MOUNTED WITHIN THREE (3) FEET OF THE CONTROLLED DEVICE.
- ADDRESSABLE RELAY MODULE SHALL CONNECT TO THE FIRE ALARM CONTROL PANEL'S SIGNALING LINE CIRCUITS (SLC). ALL RELAYS SHALL BE SUPERVISED FOR COIL OPEN OR SHORTED CONDITIONS.
- THE ADDRESSABLE RELAY MODULE SHALL MOUNT WITHIN A FIRE ALARM TERMINATION ENCLOSURE, IN A STANDARD 4-INCH SQUARE (101.6 MM SQUARE), 2-1/8 INCH (54 MM) DEEP ELECTRICAL BOX, OR TO A SURFACE MOUNTED BACK BOX.
- ADDRESSABLE RELAY MODULES SHALL BE MOUNTED WITHIN THREE (3) FEET OF THE CONTROLLED DEVICE.
- ISOLATOR MODULE(S) SHALL BE PROVIDED TO AUTOMATICALLY ISOLATE WIRE-TO-WIRE SHORT CIRCUITS ON AN SLC CLASS A OR CLASS B BRANCH.
- THE ISOLATOR MODULE SHALL LIMIT THE NUMBER OF MODULES OR DETECTORS THAT MAY BE RENDERED INOPERATIVE BY A SHORT CIRCUIT FAULT ON THE SLC LOOP SEGMENT OR BRANCH. IT SHALL PROVIDE A SINGLE LED THAT SHALL FLASH TO INDICATE THAT THE ISOLATOR IS OPERATIONAL AND SHALL ILLUMINATE STEADILY TO INDICATE THAT A SHORT CIRCUIT CONDITION HAS BEEN DETECTED AND ISOLATED.
- THE ISOLATOR MODULE SHALL BE MOUNTED, PROPERLY SUPPORTED AND ATTACHED, IN SUCH A WAY AS TO ALLOW UNOBSTRUCTED VISUAL VERIFICATION OF THE ISOLATOR MODULES STATUS VIA THE LED INDICATOR FROM THE FLOOR.
- THE ISOLATOR MODULE SHALL MOUNT IN A STANDARD 4-INCH (101.6 MM) DEEP ELECTRICAL BOX OR IN A SURFACE MOUNTED BACK BOX.
- AUDIO/VISUAL DEVICES TO ACTIVATE ON GENERAL ALARM
- FIRE ALARM SIGNAL SHALL MEET ANSI S3.41, AUDIBLE EMERGENCY EVACUATION SIGNAL (TEMPORAL PATTERN).
- AUDIBILITY OF ALARM AND VOICE COMMUNICATION SHALL BE NOT LESS THAN 15db ABOVE AMBIENT SOUND THROUGHOUT AREA OF ALARM AND SHALL BE CODE 3 TEMPORAL. THEY SHALL NOT BE LESS THAN 75db THROUGHOUT AREA OF ALARM.
- WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
- STROBE LOCATION IS BASED ON 10 FOOT CEILING HEIGHT AND ARE INSTALLED ACCORDING TO NFPA 72 REQUIREMENTS UNLESS OTHERWISE NOTED.
- WALL MOUNTED STROBES SHALL HAVE THEIR BOTTOMS NOT LESS THAN 80 INCHES ABOVE FINISHED FLOOR AND NO GREATER THAN 96 INCHES ABOVE FINISHED FLOOR.
- AREAS HAVING MORE THAN 2 STROBES IN THE FIELD OF VIEW SHALL BE SYNCHRONIZED
- UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR
- DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND OR TESTING.

WIRE SCHEDULE

DESIG.	WIRE/CABLE	CIRCUIT TYPE
A	2 #16 UNSHIELDED	DIGITAL AUDIO LOOP
B	4 #18 TSP (RED JACKET)	EIA-485 LOOP
C	2 #14 THHN/THWN STRANDED	ANNUNCIATOR POWER
D	2 #12 THHN/THWN (YELLOW + VIOLET -)	POWER SUPPLY ACTIVATION CIRCUIT
E	2 #18 FPL	MONITOR / CONTROL
G	4 #18 TSP (RED JACKET)	EIA-485 LOOP (GRAPHIC)
M	2 #14 THHN/THWN STRANDED	ANNUNCIATOR POWER
M	2 #16 TP (RED JACKET)	SLC LOOP
P	2 #14 THHN/THWN (RED + BLACK -)	24VDC AUXILIARY POWER
S	2 #18 TSP (RED JACKET)	SPEAKER CIRCUIT
V	2 #12 THHN/THWN (YELLOW + VIOLET -)	VISUAL CIRCUIT

SYMBOL LEGEND

SYMBOL	MANUFACTURER	MODEL #	DESCRIPTION	C.S.F.M. #	MOUNTING	ROUGH-IN BOX (CONDUIT)	QTY.
[TASP]	NOTIFIER	NF52-3030	FIRE ALARM CONTROL PANEL	7165-0028.0224	66" TO TOP A.F.F.	PROVIDED BY FA CONTRACTOR	1
[EAS2]	NOTIFIER	DA2-5025	DIGITAL AUDIO AMPLIFIER	7300-0028.0243	---	FA CONTRACTOR	3
[DVC]	NOTIFIER	DVC	DIGITAL VOICE COMMAND	7165-0028.0224	72" TO TOP A.F.F.	FA CONTRACTOR	1
---	NOTIFIER	DVC-KD	KEYPAD FOR LOCAL ANNUNCIATION AND CONTROLS	7165-0028.0224	---	---	1
---	NOTIFIER	LCM-320	LOOP CONTROL MODULE	7165-0028.0224	---	---	4
---	NOTIFIER	LEM-320	LOOP EXPANDER MODULE	7165-0028.0224	---	---	4
[FSPS]	NOTIFIER	FCPS-2458	POWER SUPPLY 24VDC BAMP	7315-0028.0225	72" TO TOP A.F.F.	FA CONTRACTOR	6
[FALC]	---	24" x 24" x 6"	FIRE ALARM TERMINAL CABINET	---	---	---	---
[EOL]	NOTIFIER	---	EOL	---	---	---	AS REQ'D
[ISO]	NOTIFIER	ISO-X	ISOLATION MODULE	---	---	45. 2-1/8" DEEP	16
[2]	NOTIFIER	FSP-851	ADDRESSABLE SMOKE DETECTOR	7272-0028.0206	CEILING MOUNTED	45. 2-1/8" DEEP W/ 3 - O RING	283
[1]	SYSTEM SENSOR	B210LP	DETECTOR BASE	7300-1653.0109	---	---	---
[1]	NOTIFIER	F51-851	ADDRESSABLE HEAT DETECTOR	7270-0028.0196	CEILING MOUNTED	45. 2-1/8" DEEP W/ 3 - O RING	13
[1]	SYSTEM SENSOR	B210LP	DETECTOR BASE - FOR HEAT	7300-1653.0109	---	---	---
[1]	NOTIFIER	---	DUCT SMOKE DETECTOR	3242-1653.0209	---	---	0
[BIR]	NOTIFIER	FS8200	BEAM SMOKE DETECTOR	7245-0028.0228	---	---	3
[RIS]	NOTIFIER	RTS-451 KEY	REMOTE INDICATOR-TEST STATIONS	7300-1653.0212	WALL MOUNTED	45. 2-1/8" DEEP W/ SINGLE GANG RING	3
[R]	NOTIFIER	---	BEAM SMOKE DETECTOR RECEIVER	7245-0028.0228	---	---	3
[P]	NOTIFIER	NBG-12LX	ADDRESSABLE MANUAL PULL STATION	7150-0028.0199	48" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ SINGLE GANG RING	1
[M]	NOTIFIER	FM-1	ADDRESSABLE MONITOR MODULE	7300-0028.0219	---	45. 2-1/8" DEEP	11
[CM]	NOTIFIER	FCM-1	ADDRESSABLE CONTROL MODULE	7300-0028.0219	---	45. 2-1/8" DEEP	8
[RM]	NOTIFIER	FRM-1	ADDRESSABLE RELAY MODULE	7300-0028.0219	---	45. 2-1/8" DEEP	57
[SR]	NOTIFIER	MR-101/C	MULTI-VOLTAGE CONTROL RELAY	7300-1004.0101	---	45. 2-1/8" DEEP	0
[FH]	NOTIFIER	FM998	DOOR HOLDER	3550-0028.0210	---	---	0
[DM]	NOTIFIER	FDM-1	ADDRESSABLE DUAL MONITOR MODULE	7300-0028.0219	---	45. 2-1/8" DEEP	0
[P]	NOTIFIER	NBG-12LOB	WEATHERPROOF MANUAL PULL STATION	7150-0028.0199	48" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ SB-I/O	0
[BBBX]	NOTIFIER	---	FIRE ALARM BACK BOX	---	---	PROVIDED BY FA CONTRACTOR	-
---	NOTIFIER	AMP-24	MAIN POWER SUPPLY	7165-0028.0224	---	---	1
[150d]	SYSTEM SENSOR	SCW	STROBE 150cd (CEILING MOUNTED)	7125-1653.0186	CEILING MOUNTED	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	29
[30d]	SYSTEM SENSOR	SCW	STROBE 30cd (CEILING MOUNTED)	7125-1653.0186	CEILING MOUNTED	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	0
[75d]	SYSTEM SENSOR	SCW	STROBE 75cd (CEILING MOUNTED)	7125-1653.0186	CEILING MOUNTED	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	0
[150d]	SYSTEM SENSOR	SPSCW	SPEAKER/STROBE 150cd (CEILING MOUNTED)	7320-1653.0201	CEILING MOUNTED	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	64
[30d]	SYSTEM SENSOR	SPSCW	SPEAKER/STROBE 30cd (CEILING MOUNTED)	7320-1653.0201	CEILING MOUNTED	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	42
[75d]	SYSTEM SENSOR	SPSCW	SPEAKER/STROBE 75cd (CEILING MOUNTED)	7320-1653.0201	CEILING MOUNTED	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	58
[150d]	SYSTEM SENSOR	SPSCW	SPEAKER/STROBE 150cd (CEILING MOUNTED)	7320-1653.0201	CEILING MOUNTED	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	0
[30d]	SYSTEM SENSOR	SPCW	SPEAKER (CEILING MOUNTED)	7320-1653.0201	CEILING MOUNTED	45. 2-1/8" DEEP W/ W/ 1/2 EXT RING	27
[150d]	SYSTEM SENSOR	SPSR	SPEAKER/STROBE 150cd (WALL MOUNTED)	7320-1653.0201	80" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	3
[30d]	SYSTEM SENSOR	SPSR	SPEAKER/STROBE 30cd (WALL MOUNTED)	7320-1653.0201	80" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	7
[75d]	SYSTEM SENSOR	SPSR	SPEAKER/STROBE 75cd (WALL MOUNTED)	7320-1653.0201	80" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	15
[150d]	SYSTEM SENSOR	SPSW	SPEAKER/STROBE 150cd (WALL MOUNTED)	7320-1653.0201	80" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	6
[150d]	SYSTEM SENSOR	SR	STROBE 150cd (WALL MOUNTED)	7125-1653.0186	80" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	1
[30d]	SYSTEM SENSOR	SR	STROBE 30cd (WALL MOUNTED)	7125-1653.0186	80" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	2
[110d]	SYSTEM SENSOR	SR	STROBE 110cd (WALL MOUNTED)	7125-1653.0186	80" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	0
[75d]	SYSTEM SENSOR	SR	STROBE 75cd (WALL MOUNTED)	7125-1653.0186	80" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	0
[150d]	SYSTEM SENSOR	SRK	WEATHERPROOF STROBE 150cd (WALL MOUNTED)	7300-1653.0187	80" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	0
[30d]	SYSTEM SENSOR	SPR	SPEAKER (WALL MOUNTED)	7320-1653.0201	80" TO CENTER A.F.F.	45. 2-1/8" DEEP W/ 1-1/2" EXTENSION BOX	0
[FD]	BY OTHERS	---	SMOKE FIRE DAMPER (BY OTHERS)	---	---	---	-
[WF]	BY OTHERS	---	WATER FLOW SWITCH	---	---	---	6
[TS]	BY OTHERS	---	TAMPER SWITCH	---	---	---	9
[D]	BY OTHERS	---	DOUBLE DETECTOR CHECK VALVE	---	---	---	2
[1]	---	---	J-BOX	---	---	PROVIDED BY ELECTRICIAN	AS REQ'D
[.]	---	---	CIRCUIT DOWN	---	---	---	---
[o]	---	---	CIRCUIT UP	---	---	---	---

STRUCTURAL NOTES

- CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS SHALL BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.
- PROVIDE FLEXIBLE CONNECTIONS WHEN EXPANSIONS JOINS ARE PROVIDED BY STRUCTURAL ENGINEER FOR THE BUILDING.

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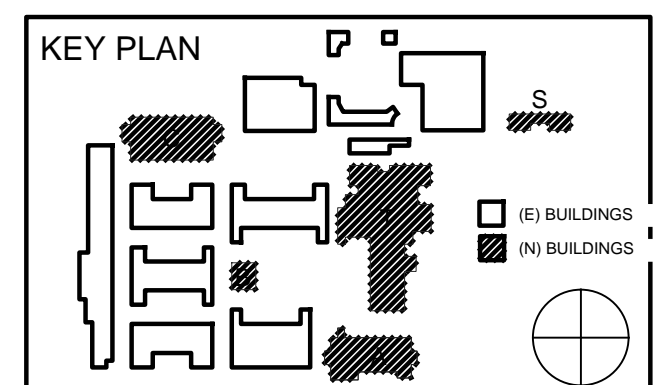
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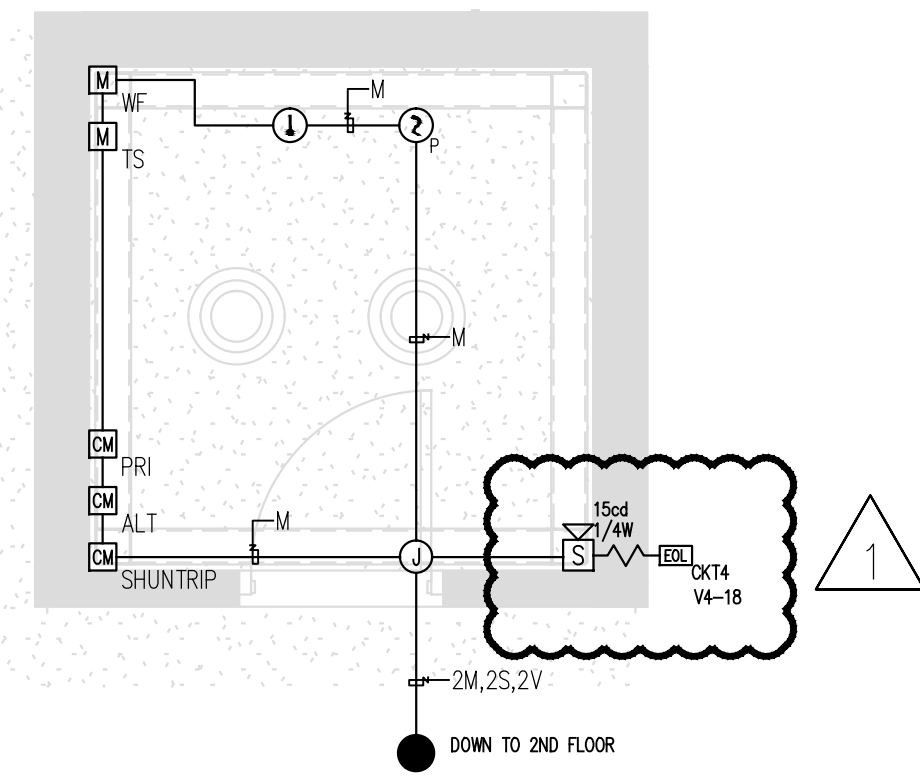


REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
02/17/2014	100% DESIGN DEVELOPMENT	
05/08/2014	90% CD PROGRESS	
05/29/2014	DSA SUBMITTAL	
05/12/2015	DSA BACK CHECK	
12/12/2015	ADDENDUM 1	

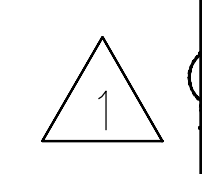
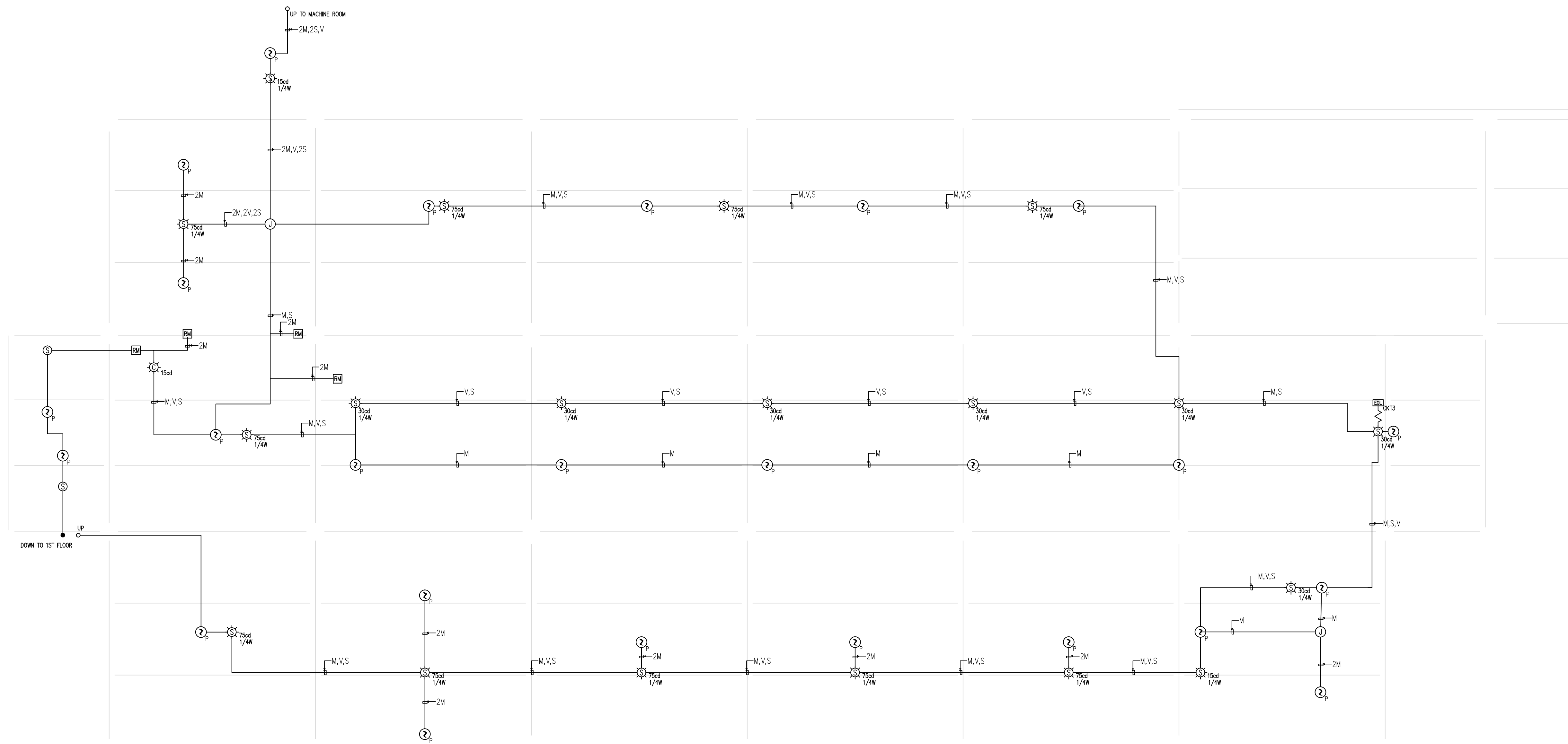
DRWN: LNPW CHKD: TJL
DATE: 05/29/2014 SCALE:
PROJECT NUMBER: 1310700

COVER SHEET, SCOPE OF WORK, PROJECT INFORMATION, GENERAL NOTES, SYMBOL LEGEND

DRAWING NUMBER: **FA0.0**



A-TOWER TOP ENLARGED PLAN
3/8" = 1'-0" 2



SYMBOL LEGEND	
SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
DAU	DIGITAL AUDIO AMPLIFIER
DVC	DIGITAL VOICE COMMAND
PPSP	POWER SUPPLY 24VDC BAMP
FALC	FIRE ALARM TERMINAL CABINET
EOL	EOL
ISOL	ISOLATION MODULE
ASD	ADDRESSABLE SMOKE DETECTOR
AHD	ADDRESSABLE HEAT DETECTOR
DSM	DUCT SMOKE DETECTOR
BSM	BEAM SMOKE DETECTOR
RIS	REMOTE INDICATOR-TEST STATIONS
R	BEAM SMOKE DETECTOR RECEIVER
P	ADDRESSABLE MANUAL PULL STATION
M	ADDRESSABLE MONITOR MODULE
CM	ADDRESSABLE CONTROL MODULE
RM	ADDRESSABLE RELAY MODULE
CR	MULTI-VOLTAGE CONTROL RELAY
DH	DOOR HOLDER
ADM	ADDRESSABLE DUAL MONITOR MODULE
WPP	WEATHERPROOF MANUAL PULL STATION
BBX	FIRE ALARM BACK BOX
15cd	STROBE 15cd (CEILING MOUNTED)
30cd	STROBE 30cd (CEILING MOUNTED)
75cd	STROBE 75cd (CEILING MOUNTED)
15cd	SPEAKER/STROBE 15cd (CEILING MOUNTED)
30cd	SPEAKER/STROBE 30cd (CEILING MOUNTED)
75cd	SPEAKER/STROBE 75cd (CEILING MOUNTED)
95cd	SPEAKER/STROBE 95cd (CEILING MOUNTED)
S	SPEAKER (CEILING MOUNTED)
15cd	SPEAKER/STROBE 15cd (WALL MOUNTED)
30cd	SPEAKER/STROBE 30cd (WALL MOUNTED)
75cd	SPEAKER/STROBE 75cd (WALL MOUNTED)
110cd	SPEAKER/STROBE 110cd (WALL MOUNTED)
15cd	STROBE 15cd (WALL MOUNTED)
30cd	STROBE 30cd (WALL MOUNTED)
110cd	STROBE 110cd (WALL MOUNTED)
115cd	STROBE 115cd (WALL MOUNTED)
75cd	WEATHERPROOF STROBE 75cd (WALL MOUNTED)
S	SPEAKER (WALL MOUNTED)
SFD	SMOKE FIRE DAMPER (BY OTHERS)
WFS	WATER FLOW SWITCH
TS	TAMPER SWITCH
DDCV	DOUBLE DETECTOR CHECK VALVE
J-BOX	J-BOX
CD	CIRCUIT DOWN
CU	CIRCUIT UP

WIRE SCHEDULE		
DESIG.	WIRE/CABLE	CIRCUIT TYPE
A	2 #16 UNSHIELDED	DIGITAL AUDIO LOOP
B	4 #18 TSP (RED JACKET)	EIA-485 LOOP
	2 #14 THHN/THWN STRANDED	ANNUNCIATOR POWER
C	2 #12 THHN/THWN (YELLOW +, VIOLET -)	POWER SUPPLY ACTIVATION CIRCUIT
D	2 #14 THHN/THWN (RED +, BLACK -)	DOOR HOLDER POWER
E	2 #18 PPL	MONITOR / CONTROL
G	4 #18 TSP (RED JACKET)	EIA-485 LOOP (GRAPHIC)
	2 #14 THHN/THWN STRANDED	ANNUNCIATOR POWER
M	2 #16 TP (RED JACKET)	SLC LOOP
P	2 #14 THHN/THWN (RED +, BLACK -)	24VDC AUXILIARY POWER
S	2 #18 TSP (RED JACKET)	SPEAKER CIRCUIT
V	2 #12 THHN/THWN (YELLOW +, VIOLET -)	VISUAL CIRCUIT

ADMINISTRATION BUILDING "A" 2ND FLOOR FIRE ALARM PLAN
1/8" = 1'-0" 1

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KEY PLAN
[Diagram showing building layout with 'A' highlighted]
[Legend: (A) BUILDINGS, (B) BUILDINGS]

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
	02/17/2014	100% DESIGN DEVELOPMENT
	05/08/2014	90% CD PROGRESS
	05/29/2014	DSA SUBMITTAL
	05/12/2015	DSA BACK CHECK
△	12/12/2015	ADDENDUM 1

DRWN: LNPW CHKD: TJL
DATE: 5/29/2014 SCALE: 1/8" = 1'-0"
PROJECT NUMBER: 1310700

ADMINISTRATION BUILDING "A" 2ND FLOOR FIRE ALARM PLAN

DRAWING NUMBER: **FAA2.1**

2/4/2014 4:23:42 PM