



DATE: December 16, 2019

FROM: Wight & Company  
2500 N. Frontage Road  
Darien, IL 60561

SUBJECT: ADDENDUM #4 TO THE BIDDING DOCUMENTS FOR:  
**BID GROUP #8**  
**MASTER FACILITY PLAN IMPLEMENTATION**  
**COMMUNITY HIGH SCHOOL DISTRICT 99**  
**1436 NORFOLK STREET**  
**DOWNERS GROVE, IL 60516**

Wight & Company  
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.....  
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This addendum forms a part of the Bidding Contract Documents, dated November 20, 2019. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form. Drawing revisions clouded and tagged throughout with delta 41.

**SOUTH**

Notice to Bidders- revised Bid Package #83 Structural Steel & Misc. Metals for Auditorium Bid date is January 9<sup>th</sup>, 2020 at 1:00 p.m.  
Revised Scope of Work: Bid Packages #81, #93, #94 and #97.  
Revised All Scope of Work  
Revised Bid Forms: Bid Packages: #81, #93, #94 and #97.  
Question and Answer Log

**I. Clarifications**

1. **CLARIFICATION:** *Voluntary alternates regarding precast concrete wall panel layout, insulation, etc. will be evaluated.*
2. **CLARIFICATION:** *All DS piping routed through the existing pipe tunnel will be part of the phase B contractor's scope. Bid Group 8 contractor to make final connection to piping in courtyard/addition areas. Refer to plumbing drawings included in this addendum for further information.*
3. **QUESTION:** The web members are called out to be double angles but the only note on the chords is that they are 8" wide minimum. Are there any limitations on what sections are used for the top & bottom chord? **ANSWER: Yes, the top and bottom chords shall be WT members. Trusses shall be designed for a maximum live load deflection of 2.75" at midspan. Net dead load deflection at midspan after camber shall not exceed 1". These will be issued as note revisions 1, 11 and 12 on addendum 4, scheduled for 12.16.19.**
4. **QUESTION:** The locations of the web members are just graphically shown on S4.4 but no dimensions are given. Do we have any limitations at to where we locate the diagonal & vertical web members? **ANSWER: The**

**diagonal and vertical web members shall be located per truss elevations in terms of general layout and number of bays. Ductwork is passing through the trusses, so we do not want to alter the layout. See 2/A4.25 for reference.**

5. **QUESTION:** Do we have any limits on the number of vertical or diagonal web members we use as long as the truss meets design requirements?. **ANSWER: See above for limitations.**
6. **QUESTION:** The plan S2.5 shows 3 lines of cross bracing between the trusses but there are no locational dimensions given 2 of the locations of the cross bracing are graphically shown to be in between the 2 runs of W8 X 18 beams (the W8 X 18's are located by dim). Does the cross bracing need to be between the W8 X 18's or does it need to go where determined by our engineer? (e.g. typically it might be equally spaced ?) **ANSWER: The number of cross bridging lines, the size of the cross bridging and the locations may be determined by your engineer. We only ask that the cross bridging avoid conflict with the current duct locations as indicated on 2/A4.25. Additionally, per structural drawings, cross bridging at end truss bays will need to be removed at the middle catwalk and the easternmost catwalk, per plan note 31 on S2.5C-F.**
7. **QUESTION:** There are now shear studs called out on the top flange of the beams spanning between the trusses. Truss notes call out the truss is NOT composite design & there are no studs shown on the top of the trusses. Just want to check again that the trusses do not have to be composite **ANSWER: Trusses shall be non-composite.**
8. **QUESTION:** Original bid drawing E3.01B-1c column line 63.7 corridor 1-003 and learning commons had a symbol with no markings. Addendum #2 issued 12-4-19 clouded them to remove. Addendum #3 issued 12-11-19 now has them shown on the columns. Is it the intent that addendum #3 insert them back on the columns **ANSWER: The fixtures on the columns are to be removed per Addendum #2**
9. **QUESTION:** On page PD1.10B.c the west side of the page going from the courtyard into the existing building is this basement or slab on grade? . **ANSWER: Slab-on-grade with the exception of a pipe tunnel running north – south. Please reference sheet A2.00 for pipe tunnel locations.**
10. **QUESTION:** DIRTT glass fronts and folding walls is not listed as an accepted manufacturer per the spec book. Would you consider using our proposal since we aren't listed as an accepted manufacturer (we are a DIRTT partner and only use DIRTT materials). **ANSWER: Alternate products will be considered with proper substitution request documentation illustrating compliance with the product performance. .**
11. **QUESTION:** Who is responsible for the graphics film applied to interior glass (VG-1)? Is there a spec for VG-1? **ANSWER: VG-1 spec will be included in future bid group. This scope of work is not responsibility of any Bid Package included in this bid group.**
12. **QUESTION:** Door #1120 is not shown on the door schedule **ANSWER: Door schedule on A8.12 was revised to include door 1120.**
13. **QUESTION:** Need information on transaction window, glazing and storefront framing on left side of 3/A7.17 **ANSWER: Refer to spec section 085653.**
14. **QUESTION:** Need glass type and frame info at 13/A7.17. **ANSWER: See specification section 081216 for interior glass partition. Provide glass type GL-20.**
15. **QUESTION:** Reference Library Vestibule 1-201: Doors 1201A, 1201B & 1201C are not on door schedule **ANSWER: Listed doors have been added to the door schedule.**
16. **QUESTION:** Storefront spec calls for painted finish and the curtain wall spec calls for class 1 clear anodized. Please clarify. **ANSWER: Provide clear anodized, typical.**
17. **QUESTION:** It appears that no PVC conduit will be allowed for under slab raceway which is going to drive costs up substantially based on the amount of AV conduit in the design. **ANSWER: PVC will be acceptable for under slab raceway, however minimum spacing requirements would be revised as such: Between AV signals of any type and common or convenience power - 36" MIN. Between AV services of differing types (e.g. between M and L, or between L and V/D) - 12" MIN.**

18. **QUESTION:** Will there be a future bid package for finishes such as acoustical ceiling, acoustical wall panels, tectum panels? Will this cover the acoustic panels per note 72 of the architectural drawings (A2.11F)? **ANSWER:** *The acoustical panels and other finishes not included in this bid group will be bid at a later date, including acoustic panels per A2.11F.*
19. **QUESTION:** Is the design of the “deep defusive acoustic panels” on A4.28, 3/A5.16, and A7.23 similar to the “reflective panels” on the ceiling? Will these panels be constructed under BP98 drywall per note 14 of the scope (built off-site and lifted into place)? **ANSWER:** *These are intended to be similar and can be constructed off-site and lifted into place.*
20. **QUESTION:** Reference detail 21/S1.4C: Is this just a typical detail or is it cut in a specific place? I could not locate on plan. Main question is that we are told to weld the L5 X 5 to the embed ¼” X 3” top & bottom but it does not tell us the spacing. Please advise. **ANSWER:** *The typical details only apply where a custom section is not cut on plan for that type of condition. Given that we have cut a custom section at all of the slab-to-precast wall conditions, this detail no longer applies. Refer to non-typical sections and details for slab-to-precast concrete wall details.*
21. **QUESTION:** Reference details 20 & 21/S1.6C. Do you know where these details apply? **ANSWER:** *It will be a few miscellaneous areas where we have to enclose an existing floor opening once the existing ductwork is removed. Assume (3) such locations per each of the two details.*
22. **QUESTION:** Reference 2/S2.8C-EP. Only the floor PL is sized. Please provide hanger size as well as the rest of the catwalk framing & rail sizes. **ANSWER:** *This has been provided in addendum 3, issued on 12.11.19.*
23. **QUESTION:** On sheet A2.12F Keynote 88 is called to be a steel rail. Keynote 88 is also noted at rails on A2.14F. But sections on A7.27, detail 5 calls for rails to be stainless. Please clarify rail material **ANSWER:** *Keynote 88 is correct. Notes on A7.27 have been revised to call out painted steel handrails.*
24. **QUESTION:** Reference A2.14F. There is a spiral stair by NJ line that appears to just be hanging from above. But I would think there should be a structural member at the bottom to help support or stabilize the stair. From looking at S2.3.CF there does NOT appear to be any. Please confirm. I do not think the Spiral stair suppliers will pick this up. **ANSWER:** *The supports for the spiral stair will be provided in the forthcoming addendum 4.*
25. **QUESTION:** Reference A6.03. Just want to confirm that TS 2 X 2 is acceptable for cable rail posts. Also, where / how are posts to attached to? All details just show the posts stopping at the top of floor but there is not base plate detail given. Especially at stairs, the posts just stop at the top of the stair tread. **ANSWER:** *The 2x2 posts are welded to a continuous bent plate or embed plate per structural drawings on S3.4C-B.*
26. **QUESTION:** When comparing sheets A7.29 & S3.10C-F the catwalk designs do not agree. Please ask for final structural catwalk design. **ANSWER:** *Final structural catwalk design is correct per addendum 3, issued on 12.11.19. Sheet A7.29 has been revised to match S3.10C-F.*
27. **QUESTION:** Could you please confirm which glass makeup (per glazing specifications addendum #2) we should proceed with for the skylight glass? **ANSWER:** *Provide Insulated Unit. Exterior Lite Clear glass with Low-E Solarban 70XL surface #2. Interior Lite laminated 3/16” clear heat strengthened.*
28. **QUESTION:** Door 1211, please confirm Door Type, Material, Size, and hardware set. **ANSWER:** *Door to be F1, Wood.*
29. **QUESTION:** Door 1602B, 1602C, & 1602D are aluminum doors with aluminum frames. **ANSWER:** *Confirmed.*
30. **QUESTION:** Door 1613A, please confirm Door Type, Material, Size, and hardware set. **ANSWER:** *Door 1613A is an insulated overhead door per spec section 083613. Size indicated in plan and elevation.*
31. **QUESTION:** Per Addendum #3 the width of Skylight C.1 and C.2 was supposed to be shown on the roof plan drawing but it is still not listed. Please advise what size these skylights are. **ANSWER:** *Width of C.1 and C.2 to be 10'-5 ¾".*
32. **QUESTION:** The following doors can only be found via the floor plan or interior elevations: 1201A (pair), 1201B (pair), 1120, 1220A, 1220B, 1211 (on door schedule, no material description). I think there are more, but this is just

from my initial review. Will any of these be aluminum? If so, which hardware set should we quote? Am I misinterpreting this? Are elevations 3, 4, 5, 9, 12, 13, & 14 on A7.17 to be aluminum storefront systems to be included in our scope package, or the scope package picking up the Raco framing? **ANSWER: Doors have been added to the door schedule with materials noted. Elevations listed are intended to be Interior Aluminum Partition denoted by keynote 22.**

33. **QUESTION:** I did a cursory review of Add #3. Looks like they covered a lot. It looks like they still have to do truss design at the Theatre. Is that your understanding? **ANSWER: Truss is a delegated design item. Refer to the truss elevation sheet on S4 series.**
34. **QUESTION:** 1. Reference elevations 3/A7.17 and 4/A7.17 of the Issue for Addendum #3 set of Architectural Drawings. According to the Life Safety Plan (pg G1.01), this wall should have a 1-hour fire rating separation, however, the glazing type is not called out on the elevations. Furthermore, the Wilson Partition aluminum framing specified at these locations (to be provided by the general trades contractor) is not a fire-rated system, indicating that this is not a fire-rated wall. a. Please confirm if the glazing at elevations 3/A7.17 and 4/A7.17 are to be fire-rated b. Please confirm all glass types on these elevations, including the transaction window on elevation 3/A7-17. **ANSWER: a. These elevations need not be fire-rated. Life safety plan will be updated. b. Provide GL-20 for these elevations. 2.1304A is included in the door schedule, listed under Level 02.**
35. **QUESTION:** Door # 1211 is not on the schedule. **ANSWER: Door schedule has been revised to include door #1211**
36. **QUESTION:** According to life safety plan on page G1.01, door number 1217 should carry a 1-hour of separation, however, it is not a fire-rated door according to the door hardware schedule on page A8.12. **ANSWER: Door 1217 need be fire-rated. Life Safety Plan will be revised.**
37. **QUESTION:** Please identify the locations of the following glass types: GL-07, G-01, G-02, GL-9 **ANSWER: GL-07 occurs on elevation 1/A4.05 as revised within. GL-01, GL-02 are not applicable to this phase. GL-09 has been removed as revised within on sheet A4.04.**
38. **QUESTION:** Reference detail 10/A7.33: The framing for the side lite for door 1218 appears to be curtain wall. Is this the intention, or should this be a different type of framing system, and if so, what kind? **ANSWER: This opening is intended to be a Hollow Metal Frame. Detail will be revised.**
39. **QUESTION:** The risers for the radius stair in Area B are assembled above the stringer, leaving the outside edge of the stair exposed (See sheet A6.03). I'm wondering if we need to add an additional run of cable closer to the base of the rail to meet code. I'm afraid that the edges of the treads being exposed will leave a gap larger than the 4" sphere rule. Or will the stair be framed with gypsum board and metal studs? Looking at the elevation 1/A4.30, it appears that the steps would be exposed. Please advise. **ANSWER: Correct, the steps are meant to be exposed per elevation 1/A4.30 and will require additional cable rails to meet code.**
40. **QUESTION:** The following doors are probably in Bid Group 8 (Phase C), but not on the door schedule: 1101, 1201A, 1201B, 1220A, 1220B, 1120, 1148, 1565. **ANSWER: Doors have been added to the door schedule as revised within.**
41. **QUESTION:** Are 3603 and 3607 access doors **ANSWER: These are intended for access under the seating but should be considered as doors, not as access doors**
42. **QUESTION:** 1202 is not labeled on the floor plan but is on the door schedule **ANSWER: Refer to A2.11D**
43. **QUESTION:** Door 1304 is listed on level 2, but probably is level 1 (curtainwall to courtyard). **ANSWER: Correct. Door 1304A is incorrectly listed under Level 2, however it is intended to be at Level 1.**
44. **QUESTION:** On sheet S2.5C-F we are just given bearing bar depth of 2", loading & an opening size in the grating of 2" X 4". How exact does the 2" X 4" opening have to be? The closest we can find with that size opening is 38 spaced (38/16") grating which will have a 2" opening (within standard grating manufacturing tolerance) but the cross bars are 4" c/c so the 'opening' will be slightly under 4". Is this acceptable? Also see below comments from one of our grating supplier's engineers: They say: 38W4 2" x 3/16" plain surface grating will not safely clear span 9'-2" under 120 psf loading. 38W4 2" x 1/4" plain surface grating will safely clear span 9'-2" under 120 psf loading,

but the deflection will be 0.808 inches. 38W4 2" x 3/8" plain surface grating will safely clear span 9'-2" under 120 psf loading, but the deflection will be 0.539 inches. They say 2" grating can make the span but there will be a deflection between approx. 1/2" or 3/4". Is this acceptable? Otherwise we would probably have to increase the depth of the grating. Please advise. What are the deflection criteria & what is the max depth of grating bearing bars we can go to meet the deflection? **ANSWER: From structural standpoint, the grating is not limited to 2" maximum depth, so the grating shall be designed as required to meet the specified loads. In addition, the grating shall be designed to meet L/360 live load deflection limit and L/240 total deflection limit. 38W4 2" x 3/8" plain surface grating with deflection of 0.539 inches will be acceptable.**

45. **QUESTION:** How exactly am I supposed to price to openings with an Acoustical Designation? There are spec sections for both STC Rated Acoustical Openings & Non-STC Rated Acoustical Openings. Are the designations D1-D4 just requiring the gasketing in hardware sets, or do you need STC rated door? If STC rated doors are required I will need a rating. There is a big cost difference between a true STC rated door and just a door with gasketing to help with acoustics. **ANSWER: STC rated doors are not required unless specifically noted. The acoustical designations direct you to the correct details regarding gasketing, kerfed frames, etc.**
46. **QUESTION:** Please send the following drawings: AD 4.24, A4.245, A5.10, A5.21. **ANSWER: Drawings are included within. It assumed that A4.24 is being asked for as there is no sheet A4.245. Sheet AD4.24 has been removed. Disregard references to it.**
47. **QUESTION:** Sheet A2.04 (Addendum #3 Drawing): In legend what is the construction of RF-01. (Please specify the difference over steel deck and concrete / Light Weight Concrete) **ANSWER: RF-01 assembly has been added to the legend.**
48. **QUESTION:** Is there a curtainwall storefront schedule in these drawings? Are you expecting us to size all this work off the elevations? A8.12 in not very comprehensive. **ANSWER: There is no schedule. Typical dimensions and relevant overall dimensions are provided on the plans and elevations. A8.12 is intended for door information.**
49. **QUESTION:** Please advise where the following glass types are located on the project or if they are no longer on the project, we are unable to locate any of these glass types... G-21, G-22, G-05A, G-07, G-01, G-02, GL-04. **ANSWER: GL-05A occurs on elevation 1/A4.04. GL-07 occurs on elevation 1/A4.05 as revised within this addendum. GL-04 replaces GL-09 as revised within this addendum. GL-01, GL-02, GL- 21 & GL-22 are not applicable to this phase.**
50. **QUESTION:** Please see attached. can you clarify whether the yellow highlighted columns are meant to be included as metal column covers in the metal panel scope?



**ANSWER: The 2 columns to the north of the image should be considered as metal column covers. The 7 columns along the radiused curtainwall need not be considered as metal column covers. These will be Architecturally Exposed Structural Steel.**

## II. Specifications

1. REVISE Section 012300 - ALTERNATES
2. REVISE Section 087111 – DOOR HARDWARE
  - a. Sets 109 – 113 added.
3. RENUMBER Section 079200 – ACOUSTIC SEALANTS
  - a. RENUMBERED Section 079202 – ACOUSTIC SEALANTS included within.

## III. Modified Drawings

### CIVIL

1. Sheet C3.03 GRADING AND EC PLAN SOUTH (**Full size sheet issued**)
  - a. Revised courtyard drainage to coordinate with plumbing.
2. Sheet C4.03 UTILITY PLAN SOUTH (**Full size sheet issued**)
  - a. Revised courtyard drainage to coordinate with plumbing.
3. Sheet C4.06 UTILITY PROFILES SOUTH (**Full size sheet issued**)

- a. Revised profile of STM 8A-S.

## **STRUCTURAL**

4. Sheet S2.0C-F BASEMENT LEVEL FOUNDATION PLAN -AREA F (**Full size sheet issued**)
  - a. Added threshold steel plate detail per new plan note 37 at one location.
  - b. Added plan note 38 – related to comments on S2.1C-F
5. Sheet S2.1C-F LEVEL 1 FOUNDATION PLAN -AREA F (**Full size sheet issued**)
  - a. Added threshold steel plate detail per new plan note 37 at two locations.
  - b. Added masonry wall infill per new plan note 38 at one location.
6. Sheet S2.1C-F-EP1 ENLARGED FOUNDATION PLANS (**Full size sheet issued**)
  - a. Plan 2: Added wind brace column for decorative column cover.
7. Sheet S2.2C-F LEVEL 2 AND LOW ROOF FRAMING PLANS -AREA F (**Full size sheet issued**)
  - a. Added detail 4 on the sheet to address the top of the wind brace column added to S2.1C-F-EP1.
  - b. Revised 3 joist end reactions near the scene shop.
8. Sheet S2.3C-F LEVEL 3 FRAMING PLAN -AREA F (**Full size sheet issued**)
  - a. Revised beam end reaction at 7 locations at the scene shop roof.
  - b. Revise shear studs at 4 beam locations on the scene shop roof.
  - c. Revised total RTU-2 weight.
9. Sheet S2.5C-F AUDITORIUM AND FLY GALLERY ROOF LEVEL FRAMING PLAN -AREA F (**Full size sheet issued**)
  - a. Plan 1: Added detail 3/S2.5C-F at 4 major column locations which braces the 4 columns to the precast at the auditorium roof level and 2 of the same columns to the precast at the intermediate floor level.
  - b. Plan 2: Relocated the roof hatch opening.
10. Sheet S2.6C-F ENLARGED PLANS (**Full size sheet issued**)
  - a. Plan 7: Added steel support for the spiral stair and revised existing beam end reactions at precast wall accordingly.
11. Sheet S2.7C-F ENLARGED PLANS (**Full size sheet issued**)
  - a. Plan 2: Added steel support for the spiral stair and revised existing framing and beam end reactions at precast wall supports accordingly.
12. Sheet S3.3C-F NON-TYPICAL SECTIONS AND DETAILS (**Full size sheet issued**)
  - a. Revised detail 1 slab edge pour stop to a continuous bent plate with modified slab reinforcement as well.
13. Sheet S3.6C-F NON-TYPICAL SECTIONS AND DETAILS (**Full size sheet issued**)
  - a. Revised details 2 and 10.
14. Sheet S3.7C-F NON-TYPICAL SECTIONS AND DETAILS (**Full size sheet issued**)

- a. Revised details 1 and 18.
- 15. Sheet S3.13C-F NON-TYPICAL SECTIONS AND DETAILS (**Full size sheet issued**)
  - a. Revised detail 6.
- 16. Sheet S4.4C-F MISCELLANEOUS ELEVATIONS (**Full size sheet issued**)
  - a. Revised Roof Truss Delegated Design notes 1, 5, 11 and added note 12.
- 17. Sheet S4.7C-F THEATRE BUILD-UP SEATING ELEVATIONS AND DETAILS (**Full size sheet issued**)
  - a. Revised detail 3.

## **ARCHITECTURAL**

- 1. Sheet A2.04 OVERALL ROOF PLAN (**Full size sheet issued**)
  - a. Dimensions added to skylights C.1 and C.2
  - b. RF-01 description added to legend.
- 2. Sheet A2.10F FLOOR PLAN LOWER LEVEL F (**Full size sheet issued**)
  - a. Added new concrete stairs in existing corridor
- 3. Sheet A2.11A FLOOR PLAN LOWER LEVEL A (**Full size sheet issued**)
  - a. Labeled door 1101A
- 4. Sheet A3.11F REFLECTED CEILING PLAN LEVEL 1 – AREA F (**Full size sheet issued**)
  - a. Added roller shades along each bay of curtain wall at Studio Theatre
- 5. Sheet A5.16 EXTERIOR WALL SECTIONS & DETAILS – PHASE C
  - a. Deleted duplicative detail 5/A5.16. Refer to detail 11/A10.00.
- 6. Sheet A6.04 STAIR PLANS & DETAILS – PHASE C (**Full size sheet issued**)
  - a. Added enlarged plan 7/A6.04 & section 8/A.604
- 7. Sheet A7.27 AUDIRORIUM SECTIONS & DETAILS – PHASE C
  - a. Clarified handrail material to be painted steel on the following details 2, 5 & 8/A7.27
- 8. Sheet A7.29 AUDIRORIUM SECTIONS & DETAILS – PHASE C (**Full size sheet issued**)
  - a. Revised catwalk kick plates to be steel angles
- 9. Sheet A8.12 DOOR & WINDOW SCHEDULES & DETAILS – PHASE C (**Full size sheet issued**)



- a. The following doors have been added to the door schedule; #1101, 1120, 1148, 1201A, 1201B, 1201C, 1220A, 1220B
  - b. Missing hardware assignments added. Revised door hardware spec included within.
10. Sheet A10.00 FINISH SCHEDULE & GENERAL DETAILS (**Full size sheet issued**)
- a. Moved detail 5/A5.16 to 11/A10.00. Added headed stud information, welding information & steel plate sizes
  - b. Renamed detail 7/A10.00

**MECHANICAL**

- 1. Sheet M2.02B.c MECHANICAL DUCT FLOOR PLAN LEVEL 2 AREA B (**Full size sheet issued**)
  - a. Added EDH-5 & EDH-6.
- 2. Sheet M2.03F.c MECHANICAL DUCT FLOOR PLAN LEVEL 3 AREA F (**Full size sheet issued**)
  - a. Added EDH-7.
- 3. Sheet M5.01.c MECHANICAL SCHEDULES (**Full size sheet issued**)
  - a. Added EDH-5, EDH-6 & EDH-7 to the schedule.

## **PLUMBING**

1. Sheet P1.10B.c SANITARY & DRAINAGE FLOOR PLAN – UNDERGROUND AREA B (PHASE C) **(Full size sheet issued)**
  - a. Revised new downspout piping layout.
2. Sheet P1.11B.c SANITARY & DRAINAGE FLOOR PLAN – LEVEL 1 AREA B (PHASE C) **(Full size sheet issued)**
  - a. Revised new downspout piping layout.
3. Sheet P1.12B.c SANITARY & DRAINAGE FLOOR PLAN – LEVEL 2 AREA B (PHASE C) **(Full size sheet issued)**
  - a. Revised new downspout piping layout.
4. Sheet P1.13B.c SANITARY & DRAINAGE FLOOR PLAN – LEVEL 3 AREA B (PHASE C) **(Full size sheet issued)**
  - a. Revised new downspout piping layout.

## **ELECTRICAL**

1. Sheet ED3.01Bc FIRST FLOOR DEMOLITION POWER PLAN AREA B **(Full size sheet issued)**
  - a. Added demo scope to match arch. Plans for 4 rooms.
2. Sheet ED3.01Fc FIRST FLOOR DEMOLITION POWER PLAN AREA F **(Full size sheet reissued)**
  - a. Added demo keynote for auditorium for preserving existing equipment.
3. Sheet ED4.01Bc FIRST FLOOR DEMOLITION LIGHTING PLAN AREA B **(Full size sheet reissued)**
  - a. Added demo lighting scope for north area in Area B
4. Sheet ED4.01Cc FIRST FLOOR DEMOLITION POWER AND LIGHTING PLAN **(Full size sheet issued)**
  - a. Added new sheet for lighting and power demo for Area C to match architectural plans.
5. Sheet ED4.01Dc FIRST FLOOR DEMOLITION LIGHTING PLAN AREA D **(Full size sheet reissued)**
  - a. Added keynote 1 for lighting demo scope

END OF ADDENDUM

**NOTICE TO BIDDERS:**

Notice is hereby given that *Community High School District 99* is accepting sealed bids for the ***South High School Master Facility Plan***. Such proposals as herein concerned shall be for the following as described:

**BID GROUP NO. 8**

**BID PACKAGES #80, #81, #82, #83, #84, #85, #86, #87, #88, #89, #90, #91, #92, #93, #94, #96, #97, #98, #99, #100, #101, #102 and #103**

- Bid Package #80 - Selective Demolition & Partial Wrecking
- Bid Package #81 - Excavation & Site Utilities
- Bid Package #82 - Concrete
- Bid Package #83 - Structural Steel & Misc. Metals for Auditorium
- Bid Package #84 - Structural Steel & Misc. Metals for Learning Commons & Library
- Bid Package #85 - Precast Concrete Panels
- Bid Package #86 – NOT USED**
- Bid Package #87 - Masonry
- Bid Package #88 - Roofing
- Bid Package #89 - Metal Panels
- Bid Package #90 - Curtain Wall, Storefront, Skylights & Glazing
- Bid Package #91 - Mechanical
- Bid Package #92 – HVAC & Plumbing Insulation
- Bid Package #93 - Electrical
- Bid Package #94 - Plumbing
- Bid Package #95 – NOT USED**
- Bid Package #96 - Low Voltage – Paging, Security, Data and AV
- Bid Package #97 – Performance Audio Visual
- Bid Package #98 - Metal Framing & Drywall
- Bid Package #99 - General Trades
- Bid Package #100 - Doors & Hardware
- Bid Package #101 - Ceramic Tile
- Bid Package #102 - Theatre Seating
- Bid Package #103 - Theatre Rigging

SEALED BIDS will be received by *Community High School District 99* at the place, date and time stated below and publicly opened and read there:

**PLACE:**

Administrative Center  
6301 Springside Avenue  
Downers Grove, IL 60516

**DUE DATE:**

**Thursday December 19<sup>th</sup>, 2019**

**TIME:**

**1:00 PM (CST) BP#80, #81, #82, #83, #84, #85, #86 and #87 (ADDENDUM 4)**

**1:45 PM (CST) BP#91, BP#92, BP#93, BP#94, BP#96 and BP#97**

**2:30 PM (CST) BP#88, BP#89, BP#90, BP#98, BP#99, BP#100, BP#101, BP#102, BP#103**  
(as Date/Time stamped by District 99's receptionist)

DIVISION 0 – BIDDING AND CONTRACT REQUIREMENTS  
SECTION 00200 –NOTICE TO BIDDERS

<b>PLACE:</b> Administrative Center 6301 Springside Avenue Downers Grove, IL 60516	<b>DUE DATE:</b> <b>Thursday January 9<sup>th</sup>, 2019</b>
	<b>TIME:</b> <b>1:00 PM (CST) BP#83 ONLY (ADDENDUM 4)</b>

All bids must be sealed and marked on the envelope with the bid package title and bid package number.

Pre-qualification of all bidders in this bid group is required prior to the bid due date. Submit one fully executed copy of AIA Document A305 "Contractor's Qualification Statement" prior to submitting this bid form unless we have one on file. **Please email to Jeaneen Turner- [jturner@wightco.com](mailto:jturner@wightco.com).** In addition to supplying this form, each trade Contractor is also required to answer the following questions and provide these answers with your AIA Document A305:

- 1) List of trade union agreements and date the current agreement expires.
- 2) Within the last seven years, has any officer or principal of your organization ever been an officer or principal of another organization when it failed to complete a construction contract? (if the answer is yes, please attach the details.)
- 3) On a separate sheet, list the major projects your organization has completed in the past five years giving the name of project, owner, architect, contract amount, date of completion and percentage of the cost of the work performed with your own forces.
- 4) Trade/Supplier References (minimum of 3):

The competency and responsibility of the bidders will be considered in making awards. The successful bidder shall, upon acceptance of his bid, be required to procure and pay for a Performance Bond and Labor and Material Payment Bond in an amount equal to one hundred percent (100%) of the bid. Bonds shall comply with all laws of the State of Illinois governing public contracts let by governmental units. Bid security in the form of a Bid Bond, certified check or cashier's check made payable to Community High School District 99 in an amount equal to not less than ten percent (10%) of the Base Bid shall be submitted with the Bid. Bid security is required of all parties submitting a proposal. A fully executed and compliant Bid Security must be included with the Bid Form.

All Contracts for the Construction of Public Works are subject to the Illinois Prevailing Wage Act (820 ILCS 130/1-12).

The Construction Manager for this project is Wight Construction Services, Inc. All questions concerning this project or those concerning bidding requirements should be directed to: [DownersGroveSouth@wightco.com](mailto:DownersGroveSouth@wightco.com)  
**Questions must be received in writing, or via email ([DownersGroveSouth@wightco.com](mailto:DownersGroveSouth@wightco.com)), until 12:00 p.m. Monday December 16<sup>th</sup>, 2019.**

**(Addendum #2)** A building walk thru will be held at the Downers Grove South High School on Wednesday December 4<sup>th</sup>, at 3:30 PM. which is **NON-MANDATORY** for Bid Packages: **BP#80 Selective Demolition & Partial Wrecking, BP#81 Excavation & Site Utilities**, and Non-Mandatory for BP#82 Concrete, BP#83 Structural Steel & Misc. Metals for Auditorium, BP#84 Structural Steel & Misc. Metals for Learning Commons & Library, BP#85 Precast Concrete Panels, BP#86 Crane, and BP#87 Masonry.

A non-mandatory building walk thru will be held at the Downers Grove South High School on Monday December 9<sup>th</sup>, at 7:00 AM. for Bid Packages: BP#91 Mechanical, BP#92 HVAC & Plumbing Insulation, BP#93 Electrical, BP#94 Plumbing, BP#96 Low Voltage and BP#97 Performance Audio Visual.

A non-mandatory building walk thru will be held at the Downers Grove South High School on Tuesday December 10<sup>th</sup>, at 1:00 PM. for Bid Packages: BP#88 Roofing, BP#89 Metal Panels, BP#90 Curtain Wall, Storefront & Glazing BP#98

DIVISION 0 – BIDDING AND CONTRACT REQUIREMENTS

SECTION 00200 –NOTICE TO BIDDERS

Metal Framing & Drywall, BP#99 General Trades, BP#100 Doors & Hardware, BP#101 Ceramic Tile, BP#102 Theatre Seating and BP#103 Theatre Rigging.

Please contact Nick Sleboda to Schedule walk thru times/access for DG South at 630-442-4569 or via email DownersGroveSouth@wightco.com.

The School District reserves the right to reject any or all bids, to negotiate contract terms with various Bidders, and to waive all formalities or irregularities to any bid when such is deemed by the Owner to be in the Owner's best interests.

- 1) Plans and Specifications can be viewed or downloaded electronically via [buildingconnected.com](http://buildingconnected.com) Please send email to [DownersGroveSouth@wightco.com](mailto:DownersGroveSouth@wightco.com) to receive electronic invitation after 3:00 PM on Monday, November 25<sup>th</sup>, 2019.

This invitation is issued in the name of *Community High School District 99*

**END OF SECTION 00200**

**BG8 BP093 SCOPE OF WORK FOR ELECTRICAL – SOUTH HIGH SCHOOL PHASE C**

**Scope – This TRADE CONTRACTOR’s scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.**

1. This TRADE CONTRACTOR shall reference ALL General, Logistics Plan, Civil, Structural, Existing Architectural, Architectural Demolition, Architectural, Landscape, Mechanical, Plumbing, Electrical, Technology and Food Service drawings in this Bid Group 8 as they relate to Electrical and Electrical Demolition. This TRADE CONTRACTOR shall read all Specification Sections in this manual as well as Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower and equipment to complete this TRADE CONTRACTOR’s scope of work within the designated durations provided.

Note: This TRADE CONTRACTOR’S scope of work shall be limited to those areas as indicated on plans for Phase C as shown in Exhibit A Construction Phasing. This is Phase 3 of 3 phases of the Master Facility Plan, thus some drawings may include areas of work not to be included in this scope of work.

Note: This TRADE CONTRACTOR acknowledges there are phased areas of Demolition / Disconnects that occur per Exhibit D Demolition Phasing Plan.

NOTE: This TRADE CONTRACTOR shall review and become familiar with the Bid Group 8 Construction Schedule to verify phasing and timing of demolition and new work in different areas. Multiple mobilizations shall be figured to complete the work per the schedule.

2. This TRADE CONTRACTOR acknowledges there is an occupied portion of the building that will remain occupied throughout the duration of this project. Existing Life Safety systems must remain protected and in-service.
3. This TRADE CONTRACTOR acknowledges there is a portion of work inside utility tunnels where access is restricted. This TRADE CONTRACTOR shall also acknowledge that there is work that will have to be performed from the auditorium catwalks.
4. This TRADE CONTRACTOR is responsible for **BIM COORDINATION MODELING** and attending BIM Coordination meetings until all conflicts and ceiling heights are accommodated. This TRADE CONTRACTOR shall also be responsible for shop drawings, layout, and field layout of this Trade Contractor’s work. This TRADE CONTRACTOR shall coordinate the installation of his work with, sprinkler, electrical, HVAC, technology, ceiling and all other trades as required. Mechanical contractor shall lead in the coordination effort of all of these trades. This shall include obtaining the BIM files from the sprinkler, plumbing, steel and electrical contractor and plotting all systems in color on one drawing.
5. This TRADE CONTRACTOR is responsible for shop drawings, layout, and field layout of conduits, boxes, hangers, fixtures, etc... This TRADE CONTRACTOR acknowledges that this contractor shall coordinate conduit layout in a neat and orderly fashion. This TRADE CONTRACTOR shall coordinate the installation of his work with plumbing, electrical, HVAC, technology, ceiling and all other trades as required. This Trade Contractor further acknowledges that the design team will have some input on location and routing of exposed raceways.

**NOTE:** There will be no extra costs allowed to this TRADE CONTRACTOR for any field routing or modifications that may be required for piping/duct/conduit due to existing field conditions in existing building

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**Note:** Any piping, conduit or ductwork resulting in lower ceiling heights than indicated in the construction documents will need approval from the CONSTRUCTION MANAGER. This piping or ductwork may be reinstalled at higher elevations at the request of the CONSTRUCTION MANAGER.

**NOTE: This TRADE CONTRACTOR shall assume that the main feeder conduits from the existing switchgear to the new electrical panels located in 1-342 shall be routed through existing interior spaces; no routing on the roof will be allowed for it.**

6. This TRADE CONTRACTOR shall be responsible for coordinating, furnishing and installing all RACEWAYS for the Telecommunications, AV, Data, Security, Paging System, Performance AV. This includes all raceways, pathways, pull boxes, junction boxes, and pull points as noted on the drawings. All low voltage wiring shall be by the Low Voltage or Performance AV Trade Contractors.

NOTE: This TRADE CONTRACTOR shall be responsible for coordinating with the Low Voltage and Performance AV Trade Contractor prior to installing the rough-in to verify locations and requirements.

NOTE: This TRADE CONTRACTOR shall be responsible to provide sufficient man-power to complete rough-in for A/V, Communications, Security Systems Rough-In and electrical rough-in **concurrently.**

NOTE: This TRADE CONTRACTOR shall be responsible for installing the floor boxes furnished by the Performance AV Trade Contractor. Any floor boxes not included in the performance AV scope of work shall be furnished and installed by this TRADE CONTRACTOR.

7. This TRADE CONTRACTOR shall be responsible for the Theatre Lighting Systems, including all rough-in, plug boxes, plug strips, raceways, wiring, light fixtures, controls, panels, programming, training, start-up, commissioning, aiming, etc. to provide a functioning and complete Theatre Lighting System. This TRADE CONTRACTOR shall contract an authorized Theatre Lighting Consultant per the project manual.
8. This TRADE CONTRACTOR responsible for all rough-in and final wiring for auditorium seat lighting. The light fixtures and transformers shall be furnished by the Theatre Seating Contractor.
9. This TRADE CONTRACTOR shall review and become familiar with ALL documents included in this bid group. This Trade Contractor shall furnish, install, complete and/or otherwise comply with all work as noted and or implied by the following but not limited to: All Specification sections in Divisions 26, 27, and 28, all General Notes AND keynotes on Sheets K, TE, TG, TO, TP, TR, TS, EA, PA, E, ED, LD, SKE, AV, SS, T drawings sets.
10. This TRADE CONTRACTOR shall be responsible for removing and disposing of all items as noted in the exterior electrical demolition drawings.

NOTE: For Interior Electrical Demolition, this TRADE CONTRACTOR shall be responsible to verify all demolition work and make safe any connections and remove wiring back to existing panels. **This TRADE CONTRACTOR shall figure an additional mobilization to complete this work around the school occupants.**

**NOTE: This TRADE CONTRACTOR shall be responsible for electrical disconnect of all HVAC & Plumbing Demolition work shown on construction documents. This TRADE CONTRACTOR shall mobilize prior to demolition activities to assist in marking existing conduits., “to remain” and “to be removed” for coordination with the DEMOLITION CONTRACTOR and CONSTRUCTION MANAGER.** This TRADE CONTRACTOR is responsible for disconnecting and MAKING SAFE all conduit, equipment, controls that are “to be removed”. Removal of these items to be by DEMOLITION CONTRACTOR.

**NOTE:** This TRADE CONTRACTOR shall be responsible for removing, salvaging, packing and delivering the existing house lights per keynote 2 on ED4.01Fc. The fixtures shall be delivered to Downers Grove North High School. Delivery shall be coordinated with the CM.

11. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, etc. to complete all aspects of this trade contractor’s work for the complete electrical package including but not limited to power, temporary power, panels, outlets, interior lighting, occupancy sensors, exterior lighting, site lighting, emergency lighting, exit lighting, temporary lighting, lighting controls, transformer(s), disconnects, miscellaneous equipment/motor wiring, exit signs, switchgear, plates, boxes, motion detectors, dimming devices, relays, etc... all work as listed in the specifications and shown on the construction documents. This TRADE CONTRACTOR shall be responsible for all conduit, pull string and junction boxes as required within the specifications and as indicated on drawings.
12. This TRADE CONTRACTOR shall be responsible for all electrical requirements for electric door strikes, power transfer supplies, locks and other hardware as indicated on the architectural door schedule whether shown on the Electrical plans or not. Hardware by others. This Trade Contractor is also responsible for the final electrical connections of these components for a complete install per Sheet E7.01C.
13. This TRADE CONTRACTOR shall be responsible for installing ALL Light Fixtures supported independent from ceiling grid per details on E7.01C.

NOTE: Regardless of fixture designation, i.e. grid type, flange type, lay-in as may be designated on the drawings, this TRADE CONTRACTOR will correlate with the reflected ceiling plan and will furnish the fixture to fit the ceiling construction as outlined in the reflected ceiling drawings and/or room finish schedule.

14. This TRADE CONTRACTOR shall be responsible for the complete furnish and install of the EXTERIOR LIGHTING SYSTEM as indicated on the contract documents.

NOTE: This TRADE CONTRACTOR shall be responsible for any removal, salvage and re-install of existing lighting poles to be relocated.

15. This TRADE CONTRACTOR shall be responsible for coordination with other trade contractors to obtain wiring diagrams and power requirements for equipment furnished by others, including, rigging equipment, projections screens, overhead coiling doors, overhead grilles, sectional doors, kitchen equipment, etc. prior to wiring same in the field.
16. This TRADE CONTRACTOR is responsible for any necessary electrical required for all mechanical, plumbing, fire protection equipment/devices, kitchen equipment, as required within the specifications and indicated on drawings, including but not limited to all electrical connections for all starters, motor control devices, installation of VFD’s, etc..



17. This TRADE CONTRACTOR shall be responsible for all directory label charts, along with identification and tagging requirements of work as required within the specifications and as indicated on the drawings, per Construction Manager direction (verify numbering and tagging sequence with Construction Manager). Contractor shall provide a typed directory in every panel matching the As-Built condition and not necessarily as shown in the panel schedules.
18. This TRADE CONTRACTOR shall be responsible for all hand or machine excavation, backfill, compaction, and concrete as required to install this Trade Contractor's work, including granular fill requirements for any under slab or sitework as required within the specifications and indicated on drawings. This includes the saw-cutting and patching of existing concrete slab for installation of underground rough-in.
19. This TRADE CONTRACTOR shall provide all sleeves and coring of walls, floors, etc., including caulking, and packing of sleeves and openings as indicated on construction documents and/or as specified in the project manual. Contractor to protect all floor openings left in floors for passage of piping and other items.

**NOTE:** This trade contractor responsible for furnishing all roof penetrations for electrical conduit, including all boots associated with conduit. Installation of boots will be by the Roofing Trade Contractor.

20. This TRADE CONTRACTOR shall be NOT be responsible for fire stopping all thru wall penetrations in rated walls and acoustical sensitive walls as indicated on construction documents and/or as specified in the project manual. This work is by others. This TRADE CONTRACTOR shall provide all clip hangers, angles, and miscellaneous metal of any nature, which is required for work covered by this Contract. This work is to be completed by the **GENERAL CARPENTRY BID PACKAGE**.
21. This TRADE CONTRACTOR shall be responsible for furnishing, installing and maintaining all temporary electrical service and lighting as required by CONSTRUCTION MANAGER, per OSHA standards, in all areas of construction.

**NOTE:** Installation of temporary lighting and power may be installed prior to electrician mobilization demolition activities and a separate mobilization shall be figured. Coordinate with CONSTRUCTION MANAGER.

22. This TRADE CONTRACTOR shall be responsible for and compliant with all specified requirements including but not limited to all: Performance Requirements, Submittals, QA, Testing, Training, QC, and Extra Materials specified and pertaining to this trade contractor's work as noted in the plans and specifications.

**Note: This TRADE CONTRACTOR's Guarantee/warranty period of equipment will not start until after final acceptance, including any and all equipment utilized before final acceptance.**  
Targeted Substantial Completion Date of 8-1-21.

23. This TRADE CONTRACTOR shall be responsible for coordinating with CM for inspections by jurisdictional inspection agencies (i.e. local code enforcement, testing agency's) associated with the work of this Trade Contractor to:
  - A) Schedule any and all required inspections so as not to delay project schedule,
  - B) Complete all work required for acceptance of this Trade Contractors work by the jurisdictional inspecting agency (at no additional cost, including incidentals) and

C) Submit all inspecting agency ruling related documentation/correspondence to Construction Manager before close of business the day of occurrence.

**Note:** This TRADE CONTRACTOR shall be responsible for any out-of-sequence and/or additional piping & testing of contractor’s work to permit expedited completion of partitions, ceilings, and other work, including the furnishing and installation of equipment.

- 24. This TRADE CONTRACTOR shall include all rigging, hoisting, cranes, lifts, etc. necessary to install any work in this scope of work.
- 25. All power shut downs and/or interruptions in power system shall be coordinated through Construction Manager and scheduled to minimize any disruption. Forty eight (48) hour notification must be provided to the Construction Manager of any shutdown or interruption that occurs even when facility is not in operation.

**ALLOWANCES, BOND, & ALTERNATES**

- 1. This TRADE CONTRACTOR shall include an allowance of **\$100,000.00 in their base bid** to account for any unforeseen conditions interior to building. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
- 2. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.
- 3. **Alternate No. 8.5 THEATRICAL LUMINAIRES DEDUCTIVE ALTERNATE: Provide pricing to revise the schedule of quantities for the Proscenium Theatre as noted per specification section 012300 Alternates, item 3.1E. ADDENDUM 4**
- 4. **Alternate No. 8.6 Theatrical Luminaires Deductive Alternate: Provide pricing to revise the schedule of quantities for the Proscenium Theatre as noted per specification section 012300 Alternates, item 3.1F. ADDENDUM 4**

**ACCEPTANCE**

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.  
2500 North Frontage Road  
Darien, IL 60561

Signed: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Date: \_\_\_\_\_

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**END OF SECTION 00300 –Scope**

**Scope – This TRADE CONTRACTOR’s scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.**

**BG8 BP81 SCOPE OF WORK FOR EXCAVATION & SITE UTILITIES –SOUTH HIGH SCHOOL (Phase C)**

1. This TRADE CONTRACTOR shall reference ALL General, Logistics Plan, Civil, Structural, Architectural sheets included in this Bid Group 8 as they relate to Mass Grading, Excavation and Site Utilities This TRADE CONTRACTOR shall read all Specification Sections in this manual as well as Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower and equipment to complete this trade contractor’s scope of work within the designated durations provided.

**Note: This TRADE CONTRACTOR’S scope of work shall be limited to those areas as indicated on plans for Phase C as shown in Exhibit A Construction Phasing. This is Phase 3 of 3 phases of the Master Facility Plan, thus some drawings may include areas of work not to be included in this scope of work.**

**Note: The foundation installations will be broken up into multiple sequences per the Construction Schedule and Exhibits. This TRADE CONTRACTOR shall include multiple mobilizations in the BASE BID for excavation of these foundations. Refer to bid schedule for approximate dates and durations for these phases.**

**Note: This TRADE CONTRACTOR acknowledges there is substantial work inside of an interior courtyard surrounded by a 3-Story existing building. Access into this courtyard for heavy equipment will be limited to an 8’x8-6” opening in the existing building. All Spoils, Fills, Materials, Equipment, etc., will be limited to this opening. The use of small excavation equipment for this work shall be figured in the Base Bid. If Premium shift work is required to meet the project schedule utilizing small equipment, the costs for this premium shift work will be the responsibility of this TRADE CONTRACTOR. If this TRADE CONTRACTOR elects to crane materials or heavy equipment up over existing building into courtyard, all costs for Crane, hoisting, rigging, etc., are the responsibility of this TRADE CONTRACTOR.**

2. This TRADE CONTRACTOR shall be responsible for furnishing all material, labor, supervision, layout and survey services associated with this work. The surveying/layout and utility locating will be done as part of an allowance, see the allowances section of this documents for additional information. Control points and CAD documents will be provided. The accurate layout of the radial foundations and sitework is the responsibility of this TRADE CONTRACTOR. If a professional surveyor is needed to accurately perform this scope of work, this shall be the responsibility of this TRADE CONTRACTOR.

**NOTE:** Refer to Exhibit B Site Phasing Plan for extents of Phase C work. This TRADE CONTRACTOR shall include all work highlighted as Phase C or Incidental to Phase C.

**NOTE:** This TRADE CONTRACTOR shall be responsible for furnishing As-builts signed and sealed by a licensed engineer as well as inverts and locations of stormwater utility systems in this scope of work no later than 10 days after the work is completed. Refer to contract documents including As-Built Notes on drawing sheet C0.01 and project manual for further information.

3. This TRADE CONTRACTOR shall be responsible for **all** mass grading, earth moving, re-spread, hauling, importing, excavation, backfill and compaction, rough grading and fine grading of base to **(+/- 0.1 foot or 1.2”)** under sidewalks, building pads, etc. as shown on the drawings and specifications to achieve the final working grade.

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**NOTE: During School days heavy traffic on Dunham Rd and Norfolk Rd is to be expected from 7:30-8:30 & 2:30-3:30. Any trucking/hauling shall not occur during these times.**

**NOTE: This TRADE CONTRACTOR responsible for all excavation required for new foundations adjacent to existing foundations. This TRADE CONTRACTOR responsible for all precaution required to prevent undermining of existing foundations.**

4. This TRADE CONTRACTOR shall be responsible for SITE DEMOLITION including: existing base, sidewalks, topsoil, vegetation, and trees to required sub-grades as indicated on construction documents and/or as specified in the project manual.

This TRADE CONTRACTOR shall be responsible for all site demolition as shown on the drawings including all storm lines and structures, sanitary lines and structures, sidewalks shown for removal, etc... Cut and cap storm and sanitary as shown on contract documents. **All underground utilities shown to be removed or abandoned shall be investigated and confirmed by this TRADE CONTRACTOR. Any utilities that are "live" and need to remain but are shown to be removed shall be indicated to CONSTRUCTION MANAGER PRIOR to demolition.**

**NOTE:** The tree removal in the existing courtyard was completed previously and shall not be included in this TRADE CONTRACTOR's scope of work.

5. This TRADE CONTRACTOR shall be responsible for the cut, fill and compaction necessary to construct the slabs on grade. This Trade Contractor is also responsible for the excavation and subsequent backfill and compaction for the Footings, Foundations, Sidewalks, & Frost Stoops.

**NOTE: Frost Stoops will be constructed of free draining material to frost depth for the areas indicated on construction documents and shall be the responsibility of this TRADE CONTRACTOR.**

**NOTE:** This TRADE CONTRACTOR shall provide any necessary lifts/proof rolling to complete its scope of work to meet the proper compaction of sub-grade and/or backfill materials. Proof rolls shall be coordinated so that those TRADE CONTRACTORS that will install any work above sub-grade, including but not limited to asphalt/paving contractor, concrete paving contractor, etc., can be present.

**NOTE:** This TRADE CONTRACTOR shall provide unit price per cubic yard for the excavation and disposal of undercuts and unit prices for clay and stone backfill of undercut areas in the provided area on the bid form.

**NOTE:** This TRADE CONTRACTOR shall coordinate with concrete contractor regarding phasing, logistics, schedule, etc. All dewatering (if necessary) in the footing excavation shall be the responsibility of this Trade Contractor. Dewatering must be filtered through a filter bag and comply with procedures per Illinois Law.

6. This TRADE CONTRACTOR shall be responsible for the saw-cut and removal of existing interior slabs on grade and excavations required to install new footings in interior spaces. Verify the new foundation plan and architectural drawings for extents of this work.
7. This TRADE CONTRACTOR shall be responsible for the furnish and install of the Compacted Granular Fill under all slab-on-grade installations including sidewalks and pavement, see structural and civil drawings for thickness and details for the Compacted Granular Fill.

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**NOTE:** This Trade Contractor shall account for areas of thickened slabs, depressed slabs, grade beams, stepped footings, etc., and shall be responsible for layout and excavation of those areas as shown on the Structural Drawings.

**NOTE:** This Trade Contractor is NOT responsible for the removal of spoils for the under-slab Plumbing and Electrical, these trade contractors shall be responsible for their own excavation, backfill and spoil removal.

8. This TRADE CONTRACTOR shall be responsible for topsoil and/or non-topsoil stockpiling, hauling, importing, and management/maintenance thereof for all excavation spoils—(including re-spreading of topsoil and/or non-topsoil). This TRADE CONTRACTOR shall be responsible for all removal and legal off-site disposal of all spoils and debris, which corresponds to this TRADE CONTRACTOR’S scope of work. Stockpile locations must be coordinated with CONSTRUCTION MANAGER.

**NOTE:** Refer to the Bid Group 8 Schedule for sequence of operations inside the courtyard. Multiple handling of stockpiles will be required per the schedule and bid documents.

9. This TRADE CONTRACTOR shall provide a minimum of 4” of topsoil to all areas that are to be restored to a vegetative condition. Topsoil to be installed per project specifications and standards.

**NOTE:** Top 2” of topsoil to be free from lumps, stones or foreign matter larger than ½” diameter.

**NOTE:** No importing of topsoil will be required. All topsoil will be distributed on-site. Haul-off of excess spoils will be required. Spoil locations and distribution to be coordinated with Construction Manager

10. This TRADE CONTRACTOR shall also be responsible for the installation and subsequent removal of construction haul roads and laydown areas around the new addition to construct the building. Top soil will be stripped, and stock piled by this TRADE CONTRACTOR. The haul road shall consist of 9” of CA-1 and capped with 4” of CA-6 stone. Compacted and rolled. This work will be done as part of an allowance, refer to the Allowances section in this document for additional information.
11. This TRADE CONTRACTOR shall be responsible for installation, maintenance, and removal of all sediment and erosion control items required for their work only as indicated on the drawings and/or as required per codes or local authorities. This TRADE CONTRACTOR shall provide silt screen over all inlets to prevent clogging of underground piping. Silt fencing is to be included. Refer to contract documents for specific requirements including all notes on C3 sheets on drawings and associated specific details.

**NOTE:** Permanent seeding and Erosion Control Blanket shall be by future Landscape Trade Contractor and is NOT part of this scope.

12. This TRADE CONTRACTOR shall be responsible for all dewatering as associated with this TRADE CONTRACTORS work. Dewatering activities including pumping (gas or electric), swales, sump pits, etc. shall be put in place within 24 hours of a rain event so as to minimize schedule delays. Any dewatering activities shall be in accordance with Illinois Law and proper SWPPP Procedures.
13. This TRADE CONTRACTOR shall provide all associated trucking of imported and exported materials approved by Construction Documents.

14. This TRADE CONTRACTOR shall be responsible for scheduling with Construction Manager of all required testing for compaction, etc... This TRADE CONTRACTOR shall be responsible for adherence with all testing procedures and/or Geo-Technical Engineering findings and recommendations. Testing by others.
15. This TRADE CONTRACTOR shall be responsible for all public access (streets, roads, aprons, curb-cuts, sidewalks, roads, etc.) maintenance on a daily basis and for the duration of all on site activities and to ensure that it is clear of dirt, dust, debris, mud, stones, rocks, sediment and/or project related materials of any kind caused by this TRADE CONTRACTOR. This TRADE CONTRACTOR shall provide all required street sweeper during her/his work period. Refer to contract documents, including General Notes on C0.01 for further information.
16. This TRADE CONTRACTOR shall be responsible for all site Storm, Sanitary, and Water utilities to a point 5' 0" from the building's perimeter foundation wall. This TRADE CONTRACTOR shall be responsible for furnishing and installing the piping (including all trenching, backfill, and accessories) from that point forward with the approved tie-ins.

**NOTE:** For installation of storm structures inside the courtyard area this TRADE CONTRACTOR shall figure the use of an LP gas forklift to deliver structures thru the existing building to the courtyard area. If the structures need to be sectioned into pieces to accommodate the 8'x8'-6" opening thru the building and load capacities of this forklift all costs associated with this work is the responsibility of this TRADE CONTRACTOR.

**NOTE:** This TRADE CONTRACTOR shall be responsible for adjusting elevation of any existing storm structures to match final grade, as noted on General Note 20 on C0.01.

**(Deleted in Addendum 4) (Addendum #2) NOTE:** This TRADE CONTRACTOR shall be responsible for the directional boring required to install the new underground storm piping from structure STM8.0 to STM8.1. The directional boring allowance listed below shall be utilized for this work.

17. This TRADE CONTRACTOR is responsible for all backfill to complete the utility work compacted to proper specification of Construction Documents.
18. This TRADE CONTRACTOR is responsible for doing all necessary research on piping and structure sizing with local and/or state authorities as required.
19. The crane required for setting steel and precast in this area will be provided by the CM. This TRADE CONTRACTOR shall comply with the durations in the Bid Group 8 Schedule as to not delay the crane demobilization. If this TRADE CONTRACTOR is responsible for additional crane rental days or crane downtime, the cost for this will be backcharged to this TRADE CONTRACTOR.

#### **ALLOWANCES, BOND, AND ALTERNATES**

1. This TRADE CONTRACTOR shall include an allowance of **\$30,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
2. This TRADE CONTRACTOR shall include a **layout/surveying allowance of \$10,000.00 in their base bid** to account for layout, surveying and utility locating associated to this TRADE CONTRACTOR's scope of work per scope item #2 of this document. Contract amounts will be adjusted by change

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order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

3. This TRADE CONTRACTOR shall include an allowance of **\$15,000.00 in their base bid** to account for the installation and removal of temporary haul road and laydown areas per scope item #10 of this document. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
4. This TRADE CONTRACTOR shall include a **SWPPP allowance of \$5,000.00** to be included in the base bid to account for future maintenance of Sediment and Erosion Control Measures. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

**NOTE: This allowance is for unforeseen maintenance of the Erosion Control Measures. Initial install and maintenance are included in Base Bid work and will not be covered by this allowance.**

5. **Deleted per Addendum 4** - (Addendum #2) This TRADE CONTRACTOR shall include a **Directional Boring allowance of \$120,000.00** to be included in the base bid to account for the directional boring associated with scope item #16. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of the Construction Manager.
6. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

**ACCEPTANCE**

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.  
2500 North Frontage Road  
Darien, IL 60561

Signed: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Date: \_\_\_\_\_



**END OF SECTION 00300 –Scope**

**BG8 BP094 SCOPE OF WORK FOR PLUMBING – SOUTH HIGH SCHOOL PHASE C**

**Scope – This TRADE CONTRACTOR’s scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.**

1. This TRADE CONTRACTOR shall reference ALL General, Logistics Plan, Civil, Structural, and Architectural drawings in this Bid Group 8 as they relate to Plumbing & Plumbing Demolition. This TRADE CONTRACTOR shall read all Specification Sections in this manual as well as Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower and equipment to complete this TRADE CONTRACTOR’s scope of work within the designated durations provided.

**Note: This TRADE CONTRACTOR’S scope of work shall be limited to those areas as indicated on plans for Phase C as shown in Exhibit A Phasing Plan. This is Phase 3 of 3 phases of the Master Facility Plan, thus some drawings may include areas of work not to be included in this scope of work.**

**Note: This TRADE CONTRACTOR acknowledges there are phased areas of demolition/Disconnects that occur per Exhibit D Demolition Phasing Plan.**

2. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, etc... for a complete and operable Plumbing system including but not limited to all sanitary and storm/overflow piping, valves, drains, vents, equipment, fixtures, cleanouts, roof drains, overflow drains, traps, hangers, mixing valves, supports, hangers, etc... as listed in the specifications and shown on the construction documents.

**NOTE:** This TRADE CONTRACTOR shall NOT be responsible for plumbing piping insulation. This scope will be done by the Insulation Trade Contractor.

**NOTE:** This TRADE CONTRACTOR shall be responsible for final plumbing connections to all Kitchen Equipment.

3. This TRADE CONTRACTOR shall review and become familiar with ALL documents included in this bid group. This Trade Contractor shall furnish, install, complete and/or otherwise comply with all work as noted and or implied by the following but not limited to: All Specification sections in Divisions 22, General Notes on Sheet P0.01 and all PD and P Drawings.

**NOTE:** This TRADE CONTRACTOR shall review and become familiar to the Kitchen Equipment (K Series) Drawings and Kitchen Equipment Shop Drawings and coordinate any plumbing rough-in requirements.

4. This TRADE CONTRACTOR is responsible for **BIM COORDINATION MODELING** and attending BIM Coordination meetings until all conflicts and ceiling heights are accommodated. This TRADE CONTRACTOR shall also be responsible for shop drawings, layout, and field layout of this Trade Contractor’s work. This TRADE CONTRACTOR shall coordinate the installation of his work with, sprinkler, electrical, HVAC, technology, ceiling and all other trades as required. Mechanical contractor shall lead in the coordination effort of all of these trades. This shall include obtaining the BIM files from the sprinkler, plumbing, steel and electrical contractor and plotting all systems in color on one drawing.

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**NOTE:** There will be no extra costs allowed to this TRADE CONTRACTOR for any field routing or modifications that may be required for piping/duct/conduit due to existing field conditions in existing building.

5. This TRADE CONTRACTOR shall be responsible for furnishing, lay-out, and installation of all plumbing fixtures including water closets, urinals, lavatories, sinks, electric water coolers, drinking fountains, mop sink basins, grease traps, solid interceptors, pumps, fixture carries, mop hangers, stainless-steel splash plates, etc... including trim, faucets, drains, mixing valves, etc... unless otherwise noted, as listed in the specifications and shown on the construction documents.

**Note:** Gas lines are NOT furnished or installed by this Trade Contractor. Any Gas Piping work will be the responsibility of HVAC CONTRACTOR

6. All demolition of overhead plumbing will be completed by the DEMOLITION CONTRACTOR. However, disconnecting of overhead plumbing is responsibility of the THIS TRADE CONTRACTOR. All interior underground piping that is to be demo'd shall be by this TRADE CONTRACTOR.

**Note:** This TRADE CONTRACTOR, shall mobilize prior to demolition activities to assist in marking existing piping, fixtures, equipment, etc., **"to remain"** and **"to be removed"** for coordination with the DEMOLITION CONTRACTOR and CONSTRUCTION MANAGER.

This TRADE CONTRACTOR is responsible for disconnecting and MAKING SAFE all Plumbing related piping, equipment, controls that are **"to be removed"**. Removal of these items to be by DEMOLITION CONTRACTOR.

Unless otherwise noted, all branch Plumbing piping **"to be removed"** needs to be disconnected and capped at piping header and labeled for DEMOLITION Contractor

7. This TRADE CONTRACTOR shall be responsible for connecting to existing plumbing lines (ie sanitary, storm, CW/HW/HWR,, vents) as shown on the bidding documents. This Trade Contractor shall furnish and install all Plumbing piping, valves, check valves, etc.. for these tie-ins as listed in the specifications and shown on the construction documents.
8. This TRADE CONTRACTOR shall be responsible for all below grade rough plumbing according to the drawings, specifications and contract documents including but not limited to all piping, clean outs, floor drains, etc... all work to be completed per applicable codes and standards.

**NOTE:** All new underground sanitary and storm piping inside the new building footprint in the existing courtyard area shall be by this TRADE CONTRACTOR. Directional boring of new storm line and manhole will be responsibility of the Excavation and Site Utilities Trade Contractor. Demolition of any existing underground sanitary will be by the Excavation and Site Utilities Trade Contractor.

**Note:** This TRADE CONTRACTOR is responsible to sawcut, remove concrete, and replacement of 15 mil vapor barrier and concrete at all underground plumbing that is to be installed in the existing building. This includes all stone fill replacement, and any rebar dowelling that required for new concrete. This also includes verification of any u/g conduit/utilities in existing concrete that is to be removed. Refer to detail 19 on S1.1C for further details and instructions.

NOTE: This TRADE CONTRACTOR responsible for protecting all adjacent areas to concrete slab removal with plastic and other means to prevent dust migration, or damage to adjacent areas from water or concrete placement. This TRADE CONTRACTOR responsible for removing

protection after concrete placement is completed. This TRADE CONTRACTOR responsible for all cleanup associated with the concrete placement. Any spoils removal associated to this work will be responsibility of this TRADE CONTRACTOR.

**Note:** This TRADE Contractor is required to inspect and power jet all existing sewer lines that are being tied into. All capping of abandoned lines shall be the responsibility of this TRADE CONTRACTOR.

9. This TRADE CONTRACTOR shall be responsible for all above grade rough and finish plumbing according to the drawings, specifications and contract documents including but not limited to all piping, vents, hangers, valves, wall hydrants, hose bibs, water hammer arrestor(s), funnel drains, roof drains, overflow drains, extension collars, roof hydrants, wall cleanouts, reduced pressure zone backflow preventers, sediment traps, etc... all work to be completed per applicable codes and standards.
10. This TRADE CONTRACTOR shall be responsible for furnishing, lay-out, and installation of ALL condensate piping per the plans and specs for equipment furnished and installed by this TRADE CONTRACTOR.
11. This TRADE CONTRACTOR acknowledges there is a portion of work inside utility tunnels where access is restricted
12. This TRADE CONTRACTOR shall be responsible for furnishing and installing all PVC related vent system piping complete for all Plumbing equipment as listed in the specifications and shown on the contract documents.
13. This TRADE CONTRACTOR shall furnish and deliver to the electrical contractor, at the project site, all loose motor control devices for any Plumbing equipment and any other items considered part of the Plumbing system but requiring installation by the electrical trade contractor (Coordinate with electrical specifications). This Trade Contractor shall be aware of the electrical contractor's scope of work. Electrical contractor will always be responsible for a single point of connection for each piece of Plumbing equipment at a minimum.
14. This TRADE CONTRACTOR shall coordinate all piping to avoid conflicts with areas required for other trade contractor's work (i.e., light fixtures, ceiling heights, FP Piping, FP Heads, etc...).

**Note:** Any Piping which is not coordinated and results in re-work either by this TRADE CONTRACTOR or OTHERS, the cost of such re-work will be the responsibility of this TRADE CONTRACTOR.

**Note:** Any piping resulting in lower ceiling heights than indicated in the construction documents will need approval from the CONSTRUCTION MANAGER. This piping may be reinstalled at higher elevations at the request of the CONSTRUCTION MANAGER.

15. This TRADE CONTRACTOR shall include all rigging, hoisting, cranes, lifts, etc. necessary to install ALL of the plumbing equipment or piping. Any crane/lift/hoisting equipment for all plumbing equipment must be mobilized, set up, utilized, taken down and demobilized with approval of the Construction Manager. Cribbing and protection of existing concrete, asphalt, roofing, and landscaping must be provided, and this TRADE CONTRACTOR will be responsible for any damages caused.

16. All shutdowns and/or interruptions in plumbing system shall be coordinated through Construction Manager and scheduled to minimize any disruption to the school's operations. Forty eight (48) hour notification must be provided to the Construction Manager of any shutdown or interruption that occurs even when facility is not in operation.
17. This TRADE CONTRACTOR shall be responsible for and compliant with all specified requirements including but not limited to all: Performance Requirements, Submittals, QA, Testing, Training, QC, and Extra Materials specified and pertaining to this trade contractor's work as noted in the plans and specifications.

**Note:** This TRADE CONTRACTOR's Guarantee/warranty period of equipment will not start until after final acceptance, including any and all equipment utilized before final acceptance. Targeted Substantial Completion Date of 8-1-21.

18. This TRADE CONTRACTOR shall be responsible for contacting jurisdictional inspection agencies (i.e. local code enforcement, testing agency's) associated with the work of this Trade Contractor to:
  - A) Schedule any and all required inspections so as not to delay project schedule,
  - B) Complete all work required for acceptance of this Trade Contractors work by the jurisdictional inspecting agency (at no additional cost, including incidentals) and
  - C) Submit all inspecting agency ruling related documentation/correspondence to Construction Manager before close of business the day of occurrence.

**Note:** This TRADE CONTRACTOR shall be responsible for any out-of-sequence and/or additional piping & testing of contractor's work to permit expedited completion of partitions, ceilings, and other work, including the furnishing and installation of equipment.

19. This TRADE CONTRACTOR shall provide all clip hangers, angles, and miscellaneous metal of any nature, which is required for work covered by this Contract.
20. This TRADE CONTRACTOR shall provide all sleeves and coring of walls, floors, etc., including caulking, packing of sleeves and openings as indicated on construction documents and/or as specified in the project manual. Contractor to protect all floor openings left in floors for passage of piping and other items. Any scanning of walls/existing concrete floors shall be included in this TRADE CONTRACTOR's scope of work.

**NOTE:** Refer to AC Series Drawings regarding details for penetrations to acoustical-sensitive walls. Any sleeved required to accomplish these details shall be by this TRADE CONTRACTOR. Any sealants required for it shall be by the General Trades Contractor.

21. This TRADE CONTRACTOR shall be responsible to provide its own project layout according to the drawings, considering the benchmark locations and elevations that will be given by the Construction Manager.
22. This Trade Contractor shall be responsible to balance the HWR loop for areas that areas that are impacted by this scope of work.
23. This TRADE CONTRACTOR shall furnish and install all required piping identification, valve tagging, equipment tagging, and charts as per the specifications. Valve tags shall not be repeated anywhere in the building. A detailed schematic and list shall be provided and installed in the main mechanical room or in a location as selected by the owner.

24. This TRADE CONTRACTOR shall **NOT** be responsible for fire stopping all thru wall penetrations in rated walls as indicated on construction documents and/or as specified in the project manual. This work is to be completed by the **GENERAL CARPENTRY BID PACKAGE**.

This TRADE CONTRACTOR shall coordinate with Acoustical Ceiling Contractor and CONSTRUCTION MANAGER on all existing ceiling locations where ceiling grid/tile need to be removed for new piping install. Existing Ceiling Grid/Tile to be removed/replaced with Acoustical Ceiling Contractor.

25. This TRADE CONTRACTOR to identify in bid proposal lead times for all major pieces of equipment.

**ALLOWANCES, BOND, & ALTERNATES**

1. This TRADE CONTRACTOR shall include an allowance of **\$90,000.00** in their base bid to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager. **(Addendum 4)**
2. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

**ACCEPTANCE**

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.  
2500 North Frontage Road  
Darien, IL 60561

Signed: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Position: \_\_\_\_\_  
Date: \_\_\_\_\_

**END OF SECTION 00300 –Scope**

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**BG8 BP97 SCOPE OF WORK FOR PERFORMANCE AUDIO VISUAL SYSTEMS – SOUTH HIGH SCHOOL**

**Scope – This TRADE CONTRACTOR’s scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.**

1. This TRADE CONTRACTOR shall reference ALL General, Civil, Structural, Demolition and Architectural Sheets included in this Bid Group 8 as they relate to PERFORMANCE AUDIO VISUAL SYSTEMS. This TRADE CONTRACTOR shall read all Specification Sections in this manual as well as Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower and equipment to complete this TRADE CONTRACTOR’s scope of work within the designated durations provided.

**NOTE:** This TRADE CONTRACTOR’S scope of work shall be limited to those areas as indicated by Phase C (South) on plans. Any work shown outside of this scope area shall not be included in this TRADE CONTRACTOR’S scope of work U.O.N in this document. This is Phase 3 of 3 phases of the Master Facility Plan, thus some drawings may include areas of work not to be included in this scope of work.

**NOTE:** This TRADE CONTRACTOR shall review all exhibits included in the contract documents including the Phasing Plan, Sequencing Plan, Site Logistics Plan, etc.

2. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, etc... to complete all aspects of this TRADE CONTRACTOR’S work for the PERFORMANCE AUDIO VISUAL SYSTEM including but not limited to wiring, loudspeakers, patchbays, patch panels, projection screens, motorized projection screens, video projectors, video cameras, hearing assisting system, audio video panels, floor boxes, microphones, AV racks, volume control wall boxes, cable trays, ladder trays, cable hooks, jacks, plates, cables, etc. all work as listed in the specification division 274100 and shown on the construction documents

**NOTE:** This TRADE CONTRACTOR is **NOT** responsible for the furnish and install of the associated conduits, boxes, and all related rough-in materials for these systems. This is responsibility of the Electrical Trade Contractor.

**NOTE:** This TRADE CONTRACTOR shall be responsible for furnishing and delivering the Floor Boxes to be installed by the Electrical Contractor.

**NOTE:** This TRADE CONTRACTOR shall bond and ground all items listed in General Notes on EA1.00.

3. This TRADE CONTRACTOR shall install all materials in strict accordance with all applicable rules and regulations of 2015 IBC including all local amendments and per all applicable codes as listed on Code Plans.
4. This TRADE CONTRACTOR shall review and become familiar with ALL documents included in this bid group. This TRADE CONTRACTOR shall furnish, install, complete and/or otherwise comply with all work as noted and or implied by Specification section in Divisions 274100 & 2 General Notes on Sheet EA1.00, all sheets under the Performance AV scope, including but not limited to all EA and PA series drawings.

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5. This TRADE CONTRACTOR shall be responsible for all clip hangers, angles, unistrut, and miscellaneous metal of any nature, which is required for the work of this TRADE CONTRACTOR.

**NOTE:** All backing for racks and ceiling-mounted loudspeakers shall be furnished and installed by the General Trades Contractor. This TRADE CONTRACTOR shall be responsible for coordinating locations with the General Trades Contractor.

6. This TRADE CONTRACTOR shall be responsible for all labeling and/or engraving of jacks, plates, cables, equipment, etc... as required within the specifications and as indicated on the drawings, per Construction Manager direction (verify numbering and tagging sequence with Construction Manager).
7. This TRADE CONTRACTOR shall be responsible for and compliant with all specified requirements including but not limited to all: Performance Requirements, Submittals, QA, Testing, Training, Programming, Commissioning, QC, and Extra Materials specified and pertaining to this trade contractor's work as noted in the plans and specifications.

**NOTE:** This TRADE CONTRACTOR shall be responsible for scheduling the training sessions. The training shall be video recorded by this TRADE CONTRACTOR and the video shall be submitted to the Construction Manager as part of the closeout documents.

**NOTE:** This TRADE CONTRACTOR's Guarantee/warranty period of equipment will not start until after final acceptance, including any and all equipment utilized before final acceptance.

8. This TRADE CONTRACTOR shall include any and all required programming, controls, etc... as required for fully operational system(s).
9. This TRADE CONTRACTOR shall complete all pre-construction due diligence required for the work of this TRADE CONTRACTOR including but not limited to installation, resolve/coordinate any conflicts with other work, and ensure proper clearances and ceiling heights.
10. This TRADE CONTRACTOR shall be responsible for scheduling the aiming meeting and any other coordination meetings with the Owner or other TRADE CONTRACTORS as required to complete the programming and commissioning of the system.
11. This TRADE CONTRACTOR shall be responsible for protecting any and all Performance AV related materials and equipment on-site and as specified: prior to installation, during installation and/or until final acceptance by Construction Manager.

### **ALLOWANCES, BOND, & ALTERNATES**

12. This TRADE CONTRACTOR shall include an allowance of **\$10,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
13. Alternate 8.10: This TRADE CONTRACTOR shall provide an alternate pricing in the corresponding space in the bid form for furnishing and installing the Specified Alternate Equipment as listed in the specification section PERFORMANCE AUDIO-VIDEO SYSTEMS 274100. Pricing shall include all the equipment, wiring, accessories, training, programming, etc. for a complete functioning system. See specification section 012300 Alternates for additional information. Pricing per each individual equipment is required shall be attached to the bid form. **(Addendum 4)**

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14. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

**ACCEPTANCE**

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.  
2500 North Frontage Road  
Darien, IL 60561

Signed: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Date: \_\_\_\_\_

**END OF SECTION 00300 –Scope**

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PART 1 GENERAL

1.1 SUMMARY

A. General Notes Pertaining to all and or specific Bid Packages:

Scope: ALL SCOPE

Attendees:

Project: Community School Dist. 99 MFP implementation North & South High Schools.

<u>REVIEW ITEM</u>	<u>COMMENTS</u>
Schedule, sequencing of work: Per contract documents.	<b>Coordinate all site activities with WCS Site Superintendent</b>
Payment Procedure:	<b>Billing Schedule will be sent out</b>
Bonds (P&P)	<b>Per project manual</b>
Insurance:	<b>Per project manual</b>
Work areas to be clean at all times; transport waste to dumpsters	<b>Per project manual</b>
Correspondence / Communication	<b>To Project Manager (Nick Sleboda &amp; Dan Bartkowiak)</b>
Temporary Utilities	<b>By this trade contractor</b>
Submittals shall be transmitted via the Submittal Exchange website: <a href="http://www.submittalexchange.com">www.submittalexchange.com</a>	<b>Per project manual Section 01300 - Submittals</b>
Variations	<b>Only with Prior approval of WCS project manager (Nick Sleboda &amp; Dan Bartkowiak)</b>
Change Orders	<b>Only with Prior approval of WCS project manager (Nick Sleboda &amp; Ivonne Elizondo). OH&amp;P is capped at 10% and 5% for subcontractors.</b>
Prevailing Wages DuPage County	<b>Per project manual</b>
Certified Payroll	<b>Per project manual</b>
Safety, meetings, documentation including Safety Data Sheet	<b>Per project manual, will attend &amp; provide documentation as required.</b>
Meeting:	<b>Will attend</b>
Weekly Meetings:	<b>Will attend</b>
Storage of Materials, Lay down areas, Deliveries	<b>As coordinated with WCS Site Superintendent</b>
Warranties	<b>Per project manual</b>
O&M Manuals	<b>Per project manual</b>
Quality Control/Assurance	<b>Per project manual</b>
Permitting responsibility, call out for own inspections	<b>As required by DuPage County</b>
Crew Size expectations:	<b>As required per project schedule</b>
MWBE Participation	<b>N/A</b>
City of Chicago Residency Participation	<b>N/A</b>
Premium time	<b>Only as directed by WCS project manager (Nick Sleboda &amp; Dan Bartkowiak)</b>
Close Out Submittal Package Line Item	<b>Trade Contractor to provide Close Out Line Item in Schedule of Value at a rate of 1% of Contract Value.</b>

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**Scope – This TRADE CONTRACTOR’s scope shall include but not be limited to the scope listed below.  
Please see entirety of bid documents for all scope.**

**GENERAL**

1. Each TRADE CONTRACTOR shall submit one fully executed copy of AIA Document A305 “Contractor’s Qualification Statement” prior to the bid due date as identified in the Notice to Bidders. Faxed submittals are acceptable. A305 document copies may be obtained from the Chicago AIA office located at 222 Merchandise Mart Plaza, Suite 1049, Chicago, IL 60654
2. Each Trade Contractor shall exclude tax payment of Retailers’ Occupation Tax, the Service Occupation Tax (both state and local), the Use Tax and the Service Use Tax, as required by IL Law. The Tax exemption identification number will be issued to the successful bidder upon award of the subcontract.
3. The industry rule of thumb term “Use is Acceptance” will be enforced.
  - a. When work is performed, it will be assumed this TRADE CONTRACTOR has inspected and accepted the quality and coordination of the work of other TRADE CONTRACTORS that this TRADE CONTRACTOR is working on or against.
  - b. Start of work by this TRADE CONTRACTOR on top of or against any other surface means this TRADE CONTRACTOR has accepted the quality and completeness of that surface.
  - c. This TRADE CONTRACTOR is responsible for preparing (i.e. cleaning) adjacent surfaces including but not limited to those surfaces completed by others prior to proceeding.
4. As defined by the American Institute of Architects, “the Contractor is the person or entity identified as such in the agreement and is referred to throughout the Contract as if singular in number. The term “Contractor” means the Contractor or the Contractor’s authorized agent.” TRADE CONTRACTOR, Subcontractor, Sub-Tier Contractor or any derivative thereof shall all be considered synonymous with Contractor.
5. This TRADE CONTRACTOR shall be responsible for taking appropriate measures to protect existing conditions including but not necessarily limited to perimeter landscaping, curbs, gutters, drives and walks, light poles, power poles, hydrants, etc... from damage that may be caused by this work.
6. ALL TRADE CONTRACTORS shall promptly notify the Construction Manager of any damage caused to their work by another TRADE CONTRACTOR and shall be responsible to remedy their claim with the party causing the damage. Should the responsible party, within 24 hours notice, fail to remedy all damages or loss, the Construction Manager shall have the right to remedy the situation and the cost thereof will be back charged to the TRADE CONTRACTOR responsible for the damage or loss.
7. Performance Clause: All TRADE CONTRACTORS shall at all times supply a sufficient number of jurisdictionally skilled workers to perform, with promptness and diligence, the work covered by contract. Should any workers performing work covered by contract engage in a strike, work stoppage and/or slowdown of any kind or cease to work because of picketing or a labor dispute of any kind, Construction Manager may, at its option and without prejudice to any other remedies it may have, after twenty-four (24) hours written notice to Contractor, provide any such labor and deduct the cost thereof from any moneys then due or thereafter to become due to Contractor. Further, Construction Manager may at its option, without prejudice to any other remedies it may have, terminate the employment of Contractor for work under this contract. Construction Manager shall have the right to enter upon the premises and take possession, for

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the purpose of completing the work hereunder, of all Contractors' materials, tools and equipment thereon. Further, Construction Manager may finish the work either with its own employees or those of other contractors. When terminated by **Construction Manager**, Contractor will not receive any further payments under the contract or otherwise. Contractor shall remain liable for any damages that Construction Manager incurs. If expenses incurred by Construction Manager, in completing the work, exceed the unpaid balance due Contractor, Contractor shall pay difference to Construction Manager. In addition, Construction Manager may collect other damages incurred as a result of Contractor's default. Construction manager shall have a lien upon all on-site material, tools, equipment or other property of Contractor to secure payment thereof. In the event of any inconsistency between the provisions of the performance clause and any other provisions of the contract or the contract documents, the provisions for the performance clause shall prevail. Any provisions of the contract or the contract documents with respect to arbitration or determination of disputes arbitrator or others shall not apply to this performance clause.

8. If the work of this TRADE CONTRACTOR is determined by Construction Manager to be deficient in any way this TRADE CONTRACTOR understands and accepts that in-progress and/or completed work will be redone at the full expense of this TRADE CONTRACTOR on a time line as established by Construction Manager.
9. All TRADE CONTRACTORS are required to conduct a preliminary punch list walk through with the Construction Manager. TRADE CONTRACTORS will have an allotted time frame to complete deficiencies. TRADE CONTRACTOR is also required to conduct a final walk through with the Construction Manager and Owner and correct and complete those deficiencies within 2 weeks of final punch list. If the TRADE CONTRACTOR fails to complete punch list within allotted time frame, the Construction Manager reserves the right to hire a separate TRADE CONTRACTOR to make the corrections to complete those punch list items not addressed and back charge the TRADE CONTRACTOR at the cost of the work plus \$100 per calendar day delay after the 2 week deadline referenced above.
10. All drawings and notes, specification sections, local and state codes, and scopes of work should be referenced by this trade contractor and are applicable to the scope of the work under all accounts.
11. Although Specifications are allocated to the respective "Scopes of Work", it is the intention of the Construction Manager that each TRADE CONTRACTOR read all Specification Sections (for all packages), and that the Scopes of Work shall take precedence over any allocation of work made by the Architect/Engineer on the other bidding documents.
12. All TRADE CONTRACTORS shall be responsible for all testing listed in the specifications and required by the Construction Manager.
13. Provide sufficient equipment, material, skilled manpower, supervision and/or **premium time/shift work (all without additional compensation)** as may be required to complete the work of this TRADE CONTRACTOR in accordance with the overall project substantial completion date and durations indicated in the Construction Schedule. Reference Division 0 – Bidding and Contract Requirements, Section 01250 – Construction Schedule.
14. This TRADE CONTRACTOR shall provide labor rates for straight, premium, and double time in the appropriate location on the bid form
15. TRADE CONTRACTOR shall be prepared to meet within one business day after bid opening to conduct scope reviews, provide submittal log and discuss award of contract.

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16. All TRADE CONTRACTORS shall be responsible for coordinating with any and all other contractors through the Construction Manager in order to achieve the final result and schedule.
17. The CONSTRUCTION MANAGER will provide bench mark and building corners ONLY. All TRADE CONTRACTORS shall protect and maintain all survey work by OTHERS.. All TRADE CONTRACTORS shall be responsible for all layout related to this TRADE CONTRACTOR's work and shall coordinate this layout work with the layout of adjacent work by OTHER.
18. All TRADE CONTRACTORS shall be responsible for all temporary power needed by this TRADE CONTRACTOR.
19. All mobilizations and demobilizations related costs of this TRADE CONTRACTOR are to be included without consideration of additional compensation.
20. ALL TRADE CONTRACTORS are required to send a project manager and foreman to attend weekly TRADE CONTRACTORS coordination and safety meetings held by the CONSTRUCTION MANAGER. Date and location to be determined. An unexcused absence from this meeting could result in contract termination.
21. ALL TRADE CONTRACTORS shall be responsible for all work required by them for installation of their products but not shown on the bid documents. All costs associated with this work are the responsibility of the contractor requiring the work.
22. All TRADE CONTRACTORS shall be responsible for all testing, preinstallation meetings, and quality control listed in the contract documents.
23. All TRADE CONTRACTORS shall be responsible for all information included in the specifications. There are no exclusions allowed and any substitutions must be pre-approved by the architect of record.
24. ALL TRADE CONTRACTORS shall be responsible for general note on all drawings as it pertains to their scope of work.
25. Any work requiring saw-cutting or concrete slab removal, this TRADE CONTRACTOR shall be responsible to scan the area to ensure existing embedded items are not cut or damaged.

**LOGISTICS**

26. Each Trade Contractor shall coordinate all on-site activities including but not limited to site access, site parking, deliveries, etc. with Wight Construction Services, Inc. on-site supervision. Reference site utilization plan and other site specific plans.
27. ADDENDUM 1. Prior to storing any materials at site, each Trade Contractor needs to review and get approval by Construction Manager. There is limited access to stage materials at site, so only materials that can be installed that during that week will be allowed to be delivered to site. All delivered materials need to be staged in an approved location by Construction Manager.
28. Each Trade Contractor shall include the quantity and cost of required dumpsters in their base bid. This TRADE CONTRACTOR shall figure \$600 per dumpster.
  - a. Dumpsters will be procured and managed by the Construction Manager.
  - b. Dumpster costs will be subtracted by change order from the successful trade contractor's base contract amount.

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- c. Dumpster use in excess of that proposed by this Trade Contractor will be adjusted by back charge. Waste material will be disposed of utilizing a method of sorting. This Trade Contractor will include disposal of its waste material to specific dumpster locations established for sorting on site.
29. ALL TRADE CONTRACTORS furnishing material for delivery and installation at any time on this project shall be responsible for the purchase and storage of that material at no additional cost to the Owner. Payment for stored material will be according to Contract Documents.
30. All TRADE CONTRACTORS shall be responsible for cleaning mud and stone off of the tires and tracks of their vehicles and construction equipment prior to entering public roadways off of the project site. All TRADE CONTRACTORS shall be responsible for repair of ruts and removal of trapped water on a continuous basis caused by the use of their motorized equipment.
31. The construction site hours are from **7:00 AM to 3:30 PM**. Contractors requiring off hours access shall acquire written permission in advance from CONSTRUCTION MANAGER. **The site construction hours and traffic times are subject to change by the Owner and Design/Builder and will be confirmed prior to the start of work.**
32. It is the responsibility of each TRADE CONTRACTOR to assure that his respective area of construction is watertight and protected from the elements, as necessary and as a result of his work, throughout the construction period.
33. ALL TRADE CONTRACTORS shall be responsible for all cost and permits required if street closures are required for any picks with cranes or other required activities onsite.
34. Remove all excess materials caused by this Trade Contractor from the site within one (1) calendar week of substantial completion of their scope of work.
35. All TRADE CONTRACTORS are required to attend all Preinstallation conferences as listed in the contract documents and required by the Construction Manager. Preinstallation conferences involve two separate meetings, the Preparatory Phase meeting and the Pre-Construction Huddle. The Preparatory Phase meeting will be scheduled by the Construction Manager one to two weeks prior to beginning the work. The Pre-Construction Huddle occurs just prior to work beginning. TRADE CONTRACTORS should be prepared to discuss all plans, specifications, submittals, required testing and safety-related hazards.
- 36. ALL TRADE CONTRACTORS shall be responsible for providing low emissions or electric equipment for any work performed in the courtyard. (Addendum 4)**

**SAFETY**

37. All TRADE CONTRACTORS shall be responsible for safety for this portion of the work. Provide all necessary ramps, scaffolding, handrails, ladders, equipment, etc. necessary to perform the described work. Comply with all O.S.H.A., local, state, or federal safety authorities having jurisdiction
38. This TRADE CONTRACTOR shall provide all necessary signage to alert traffic or other of the work being performed and to provide all related traffic control items as shown on the drawings and/or contract documents. Contractors shall provide a flagger for construction vehicles during school

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hours. **Any TRADE CONTRACTOR not adhering to the traffic control requirements will result in the Construction Manager bringing a flagger onsite at the cost of the TRADE CONTRACTOR(S).**

39. All TRADE CONTRACTORS are required to complete and turn in Wight Construction’s **Activity Hazard Analysis**. AHA’s are due prior to the commencement of work. All TRADE CONTRACTORS are required to complete and turn in weekly **Tool Box Talks** to Construction Manager’s on-site supervision. See example Form 1 included in section 01200 – Progress Documentation and Procedures.
40. All contractor personnel on-site must adhere to Wight’s Safety Policy which includes the following PPE: Hard Hat, Safety Glasses, Hi-Vis apparel, and work boots 100% of the time. Any personnel found not complying with this safety policy is subject to immediate removal from construction area.
41. Prior to starting work, all contractor personnel need to provide a valid government issued I.D. for RAPTOR scanning thru the school district. Also, all personnel will be required to complete Wight’s Safety Orientation prior to the commencement of any work. Once completed personnel will receive approval to be on-site.
42. Prior to starting work, all contractors shall submit a site specific safety plan for the following task at a minimum:
  - a. Silica exposure plan
  - b. Fall protection plan
  - c. Scaffolding plan
  - d. Confined space plan
  - e. Trenching and excavation plan
  - f. Crane activity plan
  - g. Competent person training plan

Hot Work Permit/Analysis are required to be provided by this TRADE CONTRACTOR to the Construction Manager prior to the start of any work. Hot Work Forms can be obtained thru the Construction Manager.

43. Contractor agrees that it and its personnel shall at all times comply with the Firearm Concealed Carry Act (430 ILCS 66), including but not limited to the statutory provisions relating to prohibited areas and posted prohibited properties.
44. All TRADE CONTRACTORS that require the use of a crane shall have onsite coordination meeting with Construction Manager 48 hours prior to crane showing up onsite. Due to location and limited construction site, larger than anticipated crane’s may be needed for specific lifts and shall be at the expense of this TRADE CONTRACTOR. Additional Crane mobilizations required to complete the work is at the expense of THIS TRADE CONTRACTOR.
45. This TRADE CONTRACTOR shall provide all required traffic, pollution and noise controls necessary to safely perform the work related to this TRADE CONTRACTOR’S scope of work.

**PAYMENT**

46. Each TRADE CONTRACTOR shall complete the payment application Schedule of Values sheet including full disclosure and listing of each aspect of TRADE CONTRACTOR’s work and will be reviewed with Construction Manager for approval prior to the release of funds. Schedule of Values will be identified per School, North & South.

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- 47. Change order requests are required to be turned in no later than 30 days after the work has been completed and must be accompanied by a signed T&M ticket (if applicable) from the Superintendent. Change orders turned in later than 30 days and/or not accompanied by signed T&M ticket (if applicable) will be subject to rejection.
- 48. Weekly Certified Payroll Reports are required on a monthly basis.
- 49. ALL TRADE CONTRACTORS are responsible for meeting the current Illinois Department of Labor Prevailing Rates and Hourly Wages for DuPage County. ALL TRADE CONTRACTORS are responsible for keeping all certified payroll documents for a minimum of 3 years or as dictated by the Illinois statute, whichever is longer.

**WARRANTY**

- 50. Warranty will be executed upon **SUBSTANTIAL COMPLETION** of the entire project. Based on the sequencing of work this TRADE CONTRACTOR understands that portions of the work may be completed well in advance of this substantial completion date. All TRADE CONTRACTORS shall provide at a minimum, 1 year labor and material from the **SUBSTANTIAL COMPLETION** for the project. Please review the specifications to verify if longer labor and material warranties are required. The specifications shall supersede the 1 year warranty period referenced above if specifically noted within the specifications.

**INSURANCE**

- 51. It is hereby acknowledged that **TRADE CONTRACTOR** will provide the following insurance coverage as noted in the project manual:

**General Liability** – Per Project Aggregate, including CG 2010 (11/85) or its equivalent language which is CG2010 (10/01) the CG2037 (10/01) and Waiver of Subrogation endorsement in favor of Additional Insured's

General aggregate per project	\$2,000,000
Products/completed operations aggregate	\$2,000,000
Personal and advertising injury	\$1,000,000
Each occurrence	\$1,000,000

**Automobile Liability Insurance** – In favor of additional insured's

Bodily Injury and Property Damage Each Accident	\$1,000,000
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**Excess/Umbrella Liability Insurance** – Per Occurrence, In favor of additional insured's

Aggregate	\$5,000,000
Each occurrence	\$5,000,000

**Workman's Compensation** – Including Waiver of Subrogation endorsement in favor of Additional Insured's

\$500,000 each accident Bodily Injury by Accident
\$500,000 policy limit Bodily Injury by Disease
\$500,000 each employee Bodily Injury by Disease

**Additional Insureds: TBD**

- 52. **TRADE CONTRACTOR** hereby acknowledges that any sub-tiers performing labor on **TRADE CONTRACTOR'S** behalf is required to carry the same insurance requirements as noted in **item 0.20**. **TRADE CONTRACTOR** is required to provide sub's Certificate of Insurance to Wight in a

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timely manner. This TRADE CONTRACTOR will be issued a \$100 back charge for each time this TRADE CONTRACTOR's or Subtier's certificate of insurance are submitted incorrectly.

#### SCHEDULE

53. This TRADE CONTRACTOR shall perform under guidelines of phasing and scheduling. The schedule contained in this Bid Group may be updated by future adjustments that will become part of said contractor's agreement. The Construction Schedule dates and sequences are subject to change, however, this TRADE CONTRACTOR will be held to the durations of the task as indicated in the bid schedule. If a date on this schedule is not meet, all cost associated with making this lost time up will be back charge to the responsible TRADE CONTRACTOR.

#### SUBMITTALS

54. **A submittal log referencing all required submittals, specification numbers, and anticipated submission dates must be submitted to the Design/ Builder's office within 10 business days after the date of issuance of the Notice to Proceed.** Failure to provide this required information within the allotted time may result in the issuance of a Deductive Change Order to the offending TRADE CONTRACTOR, in an amount equal to \$100.00 for every calendar day past the 11th day that this is not provided. All submittals required for that TRADE CONTRACTORS must be submitted on or before the anticipated submission date. Failure to provide these required submittals within the allotted time may result in the issuance of a Deductive Change Order to the offending TRADE CONTRACTOR, in an amount equal to \$500.00 for every calendar day past the anticipated submission date.

All TRADE CONTRACTORS are required to provide all submittals electronically. Hard Copies of all samples and color selection charts shall be delivered directly to the Wight Construction's Darien office, attention to Karen Styka. All TRADE CONTRACTORS shall supply (1) set of approved construction shop drawings delivered on-site for use.

Sample O&M manuals and sample Manufacturer's warranties shall also be listed on the submittal log and submitted for review, and not just submitted with closeout documents.

55. All TRADE CONTRACTORS are required to use Submittal Exchange to electronically submit all product data, shop drawings and RFI's (request for information) documentation. Submittal Exchange is a website service designed specifically for transmitting submittals between construction team members. TRADE CONTRACTORS will be required to use this website and to understand the electronic submittal process. TRADE CONTRACTORS will also be required to have an active email address and a means to connect to the internet. Please see spec section 01300 for further information and or clarifications. Each submittal and RFI must include a cover page indicating company name, contact name, email address, phone number, submittal section number and submittal title. Submittals without this information will be returned
56. Submittals required for approval at the start of the Project will **NOT** be acceptable as close out documentation. All Close Out documentation must be "New as provided and installed" documentation. Submit Close out Documentation on material furnished, owner's manuals, and product information including maintenance and care and all items listed in the specifications. Three (3) copies required. Submit Record Drawings (3) copies – Full Set. Drawings must be stamped "Record Drawings", signed, and dated in PDF and AutoCAD files. Three (3) original letters of Warranty & Guarantee will be submitted with the required documentation. Warranty must commence from **Project Substantial Completion date**, and not when the TRADE CONTRACTOR's work is complete or when equipment is started up. All warranties must be 1 year, or as specified in the specifications (whichever is greater) from substantial completion on workmanship and materials. All training manuals must be submitted and training sessions

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scheduled, per owner's direction, before substantial completion. All attic stock required in the specifications must be delivered, inventoried with Wight's superintendent, and placed in a secure location within the building as directed by the CONSTRUCTION MANAGER. If required per the specifications, maintenance agreements, as-built drawings must be accompanied with the closeout documents. Failure to provide this closeout information and attic stock within two weeks of the substantial completion date, will result in the issuance of a Deductive Change Order, to the offending TRADE CONTRACTOR, in an amount equal to \$100.00 for every calendar day that the closeout documentation and attic stock has not been received.

57. All product data and shop drawing submittals are to be submitted to the Construction Manger's office within 10 business days after the date of issuance of the Notice to Proceed. Failure to provide the required information within the allotted time may result in the issuance of a Deductive Change Order to the offending TRADE CONTRACTOR, in an amount equal to \$500.00 for every calendar day past the 11<sup>th</sup> day that all submittals required for that TRADE CONTRACTORS Bid Account that have not been received.

#### CLEAN UP

58. ALL TRADE CONTRACTORS shall be responsible for keeping scrap, debris, cleared from the construction site on a continuing basis. TRADE CONTRACTORS will be required to list their respective dollar value for clean up on the Schedule of Values Form G703 **no later than 5 business days from the issuance of Notice to Proceed**. Each TRADE CONTRACTOR providing work during any week period, will be required to furnish one person DAILY, for the needed time to clean the building as directed by the Design/ Builder. If this clean up is not completed to the satisfaction of the Design/ Builder, the Design/ Builder will contract clean up to be done, and the TRADE CONTRACTOR will be back-charged accordingly.

#### LEED

59. ~~ALL TRADE CONTRACTORS will not be permitted to reduce their retainage from 10% prior to submittal and approval of all Closeout Documents (excluding warranties) and all required LEED submittals. Once these items have been approved, the Project Manager will instruct the Trade Contractor when it is acceptable to reduce retainage.~~
60. Please note this is a LEED-Certified Project. (Leadership in Energy & Environmental Design) Therefore, each TRADE CONTRACTOR shall be responsible for the following: (NO EXCEPTIONS— See Section 018113)
1. ~~Participate in and comply with all Leadership in Energy & Environmental Design (LEED) Plans associated with the work of this project requested and executed by Construction Manager including but not limited to documentation and implementation of sustainable practices as it relates to project waste management, Material & Resources, Indoor Environmental Quality, certification letters, VOC compliances verification, etc. Failure to submit LEED-related documentation with contract submittals will result in rejection of same.~~
  2. ~~As may be required for documenting LEED compliance, this trade contractor shall itemize materials and labor costs associated with the work of this contract including but not necessarily limited to material manufacturing point of origin, material final product point of origin, minimum percentage of post-consumer recycled content, minimum percentage of post-industrial recycled content, etc.~~
  3. ~~Comply and participate with the waste management program established on the project including but not limited to breaking down and sorting all debris material (i.e. cardboard boxes, wood pallets, plastic, foam, etc.) and disposing of same at pre-established sorting dumpster locations on site. This trade contractor will be back charged the full cost of any dumpster for which this trade contractor has disposed on its debris and failed to comply with said rules.~~

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Furthermore, offending trade will be back charged accordingly for time taken by laborers to sort out mixed dumpsters.

4. Allow for all administrative time and resources to generate implement all documentation and submittals as to meet the required LEED initiatives.
5. Be aware of all site conditions and project signage as it relates to site access and work construction areas. It is asked that all workers on site stay out of restricted “protected” areas and those areas where there is no work be left undisturbed. Furthermore, trades shall follow restricted staging and loading zones.

All LEED goals and initiatives will be reviewed in the project kick-off meetings as well as each week in contractor meetings. They will be strictly enforced by Construction Manager.

61. All TRADE CONTRACTORS must fill out and submit the LEED Material Information Form found in the General Requirements Division 01. LEED Material Information Form must be filled out in its entirety. LEED Material Information Form will not be accepted if completed information is not documented. “N/A” will not be accepted as part of the completed form unless it applies to that section. All Trade Contractors are to provide all backup documentation and clearly indicate backup information to support material information form.

**LEAN**

62. All TRADE CONTRACTORS are to understand that this project will be using LEAN Construction practices on this project. All Trade Contractors shall be responsible for attending and participating at the required meetings as outlined in the specifications and determined by the Construction Manager.
63. Wight Construction has adapted many LEAN Construction principles and expects that this TRADE CONTRACTOR participate in collaborative phase planning, collaborative production strategy and material flow, look ahead planning, weekly work plan meetings, and daily huddles. These strategies are used to prevent errors, eliminate waste, and save time and resources for all parties involved. At a minimum a project manager and foreman will be required to attend.

**ACCEPTANCE**

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.  
2500 North Frontage Road  
Darien, IL 60561

Signed: \_\_\_\_\_

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Community School District 99  
North & South High School Master Facility Plan

Initials: \_\_\_\_\_ / \_\_\_\_\_

DIVISION 1 – GENERAL CONDITIONS  
SECTION 00300– Bid Package Scope Document

Printed Name: \_\_\_\_\_  
Position: \_\_\_\_\_  
Date: \_\_\_\_\_

**END OF SECTION 00300 –Scope**

BID DATE: December 19<sup>th</sup>, 2019 at 1:00 p.m. (CST)  
(as date/time stamped by District 99's Receptionist)

BID TO: Community High School District 99  
Administrative Center  
6301 Springside Avenue  
Downers Grove, IL 60516

RECEIVED BY:

BID FROM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BID FOR: **Bid Group 8 Bid Package #81 – Excavation & Site Utilities**

**South High School**  
1436 Norfolk Street  
Downers Grove, IL 60516

***It is required to have one original and one copy of your bid form.***

THE UNDERSIGNED:

Acknowledges receipt of:

Plans and specifications for the work indicated above.

Addenda: No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_

Having examined the site of the work, and having familiarized himself or herself with local conditions affecting the cost of the work and with all requirements of the bidding documents including Instructions to Bidders, drawings, specifications and duly issued addenda as prepared by the architect, Wight & Company, hereby agrees to perform all work and furnish all labor, material and equipment specifically required of him by the bidding documents and such additional work as may be included as related requirements in other divisions or sections of the specifications, exclusive of alternate bids.

Agrees:

To furnish and install the described material and/or services for stated lump sum price.

To hold this bid open until **90** calendar days after bid opening date.

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00381 - BID FORM

To accept the provisions of the General Provisions (Project Manual Division 0 – Bidding & Contracting Requirements Section 00201) and disposition of bid security.

To enter into and execute a contract with the Owner, if awarded on the basis of this bid, and in connection therewith to:

1. Furnish all bonds and insurance required by the bidding documents.
2. Accomplish the work in accordance with the contract.
3. Complete the work within the contract time herein specified.

Completion Time:

The undersigned agrees to begin construction immediately, or as directed by the Construction Manager, upon notice of contract award and to perform the following components of the work in accordance with the Construction Manager's Construction. This schedule is bound in the Project Manual. See attached scope of work in section 0300.

SCOPE OF WORK:

The work in this agreement (without additional compensation) shall include, but shall not necessarily be limited to, all skilled labor, supervision, premium time, materials, tools, equipment, plant, supplies, samples, shop drawings, design/engineering drawings, layout, transportation, supervision, contributions, insurance, taxes (if applicable), compliance with all agencies (City / Village, County, State, Federal and/or any other jurisdictional agency, as may be required) and/or all services and facilities necessary and/or required for the performance of all Work shown, detailed, and/or implied by the following documents and as defined herein.

It is understood that this Trade Contractor shall perform the Work for a complete and operational system as indicated or implied in all Contract Documents. It is recognized and understood that the documents upon which the bid is based are at a conceptual phase and this Contractor who has certain skills and judgments based upon his knowledge of techniques, procedures, systems, general state of the art of his specialty is expected to include in the scope of work, all items required in order to carry out a complete and functional system whether or not shown or described in the contract documents. This contract will be awarded on the basis of such documents with the understanding that this contractor is to furnish and install all items required for the proper completion of this work without adjustment to this contract price. No extra payments shall be made of claims entertained as a result of such items, unless it can be clearly demonstrated to be added scope to the contract and beyond the original intent of the documents.

**Contractor to provide all Trade Contract work referenced in:**

1. Any sheet of this bid group package including (reference Division 0 – Bidding and Contract Requirements, Section 00200 – Notice to Bidders).
2. Specification 00300 Bid Packages Scope Document.

WORK BASE BID: For providing all work including all allowances as required for the completion of the construction of the base bid project as shown on the drawings and specifications and NOT including alternate bids and/or contractor's proposed alternates and substitutes.

**BASE BID**

**TOTAL BASE BID AMOUNT SOUTH HIGH SCHOOL MASTER FACILITY PLAN**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_ )

1. This TRADE CONTRACTOR **shall include an allowance of \$30,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
2. This TRADE CONTRACTOR **shall include a layout/surveying allowance of \$10,000.00 in their base bid** to account for layout, surveying and utility locating associated to this TRADE CONTRACTOR's scope of work per scope item #2 of this document. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
3. This TRADE CONTRACTOR **shall include an allowance of \$15,000.00 in their base bid** to account for the installation and removal of temporary haul road and laydown areas per scope item #10 of this document. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
4. This TRADE CONTRACTOR shall include a **SWPPP allowance of \$5,000.00** to be included in the base bid to account for future maintenance of Sediment and Erosion Control Measures. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

**NOTE: This allowance is for unforeseen maintenance of the Erosion Control Measures. Initial install and maintenance are included in Base Bid work and will not be covered by this allowance.**

BONDS:

This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

Award Basis:

The project will be awarded based upon the attached Evaluation Criteria, Section 301a. Owner and Construction Manager alternate's may be considered to find the most qualified bidder if the result of combining the base bid and the selected alternate(s) is the most qualified bid, and is to the benefit of the owner.

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates. This alternate price is not to be included in the base bid price.

Owner Requested Alternates:

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates.

Proposed Alternates: (Contractors Proposed Alternates)

Item Specified	Proposed Alternate	Change in Bid Price
1. _____	_____	_____

- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Owner Requested Unit Prices/Allowances (as applicable to this Trade Contractor's scope of work) (additive or deductive).

This trade contractor includes \_\_\_\_\_ dumpsters for all refuse caused by this trade contractor's work in the amount of \_\_\_\_\_ Dollars (\$\_\_\_\_\_) Note: trade contractors are to include in their bid form submittal the quantity of dumpsters required to complete their work and the cost associated with same. Dumpster costs will be subtracted by change order. Dumpsters will be procured and managed by Construction Manager. Note: Dumpster use in excess of that proposed by this Trade Contractor will be adjusted by back charge.

Owner Requested Scheduling Information:

Note: The work of this Trade Contractor is to be completed in accordance with the overall project schedule as identified elsewhere in this project manual and/or as subsequently directed by Construction Manager. This Trade Contractor shall submit a proposed submittals list/schedule/material log within five (5) calendar days of Notice To Proceed.

- 1. Shop drawings / Submittal for this trade contractor will be submitted within 10 calendar days of receipt of notice to proceed.

Bid Acceptance:

If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within the time noted herein, after the date of opening of bids or at any time thereafter before this bid is withdrawn, the undersigned agrees that he will execute a construction contract in accordance with the bids as accepted.

The Owner reserves the right to award the contract to its best interests, review and accept any and all value engineering alternatives, negotiate with the lowest responsible bidder, to reject any or all bids, to waive any informalities in bidding and to hold all bids for the bid guarantee period. The Owner reserves the right to award separate contracts for any of the items of work bid herein.

Bid Deposit:

The undersigned furnishes herewith, as required in the Instructions to Bidders, a bid deposit in the amount of ten percent (10%) of the amount bid in the form of Cashier's Check, or Certified Check, made payable to the Owner or Bid Bond, naming the Owner as obligee. (Bidder to check form of deposit furnished.)

It is understood and agreed that should the undersigned fail to enter into a contract with the Owner or furnish acceptable contract security within the time and in the manner herein provided, the bid deposit shall be retained by the Owner as liquidated damages and not as a forfeiture. As it is impossible to determine precisely an exact amount of damages the Owner will sustain, it is agreed that the bid deposit is a fair and equitable estimate of such damages.

REPRESENTATIONS AND CERTIFICATIONS:

The bidder makes the following representations and certifications as part of his bid on the project herein identified in the Bid Form. In the case of a joint venture bid, each party represents and certifies as to his own organization.

AVAILABILITY. The number and amount of contracts and awards pending which I am and/or will be obligated to perform, now and during the course of the project, will not interfere with or hinder the timely prosecution of my work.



SURETY. I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

INDEPENDENT PRICE DETERMINATION. The contract sum in this bid has been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.

PREVAILING WAGE. The contractor and each subcontractor shall pay not less than the general prevailing rate of hourly wages for work of a similar character in the locality in which the work is performed and not less than general prevailing rate of hourly wages for legal holidays and overtime work in the performance of work under this contract, as established by the Illinois Department of Labor, pursuant to an act of the General Assembly of the State of Illinois approved June 26, 1941 as amended according to Section 820 ILCS 130/1.

Pursuant to Section 820 ILCS 130/5, the contractor and each subcontractor shall keep an accurate record showing the names and occupation of all laborers, workers and mechanics employed by them, and also showing the actual hourly wages paid to each such individual, which record shall be open at all reasonable hours to inspection by the Owner, its officers and agents, and to agents of the Illinois Department of Labor.

The contractor and each subcontractor hereby agree, jointly and severally, to defend, indemnify and hold harmless the Owner from any and all claims, demands, liens or suits of any kind or nature whatsoever (including suits for injunctive relief) by the Illinois Department of Labor under the Illinois Prevailing Wage Act, Section 820 ILCS 130/1., or by any laborer, worker or mechanic employed by the contractor or the subcontractor who alleges that he has been paid for his services in a sum less than prevailing wage rates required by Illinois law. The Owner agrees to notify the contractor or subcontractor of the pendency of any such claim, demand, lien or suit.

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00381 - BID FORM

By submitting a bid, each bidder agrees to waive any claim it has or may have against the Owner, the Architect, Engineer, Construction Manager and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid; waiver of any requirements under the Bid Documents; or the Contract Document; acceptance or rejection of any bids; and award of the Contract.

Signature:

Respectfully submitted this \_\_\_\_\_ day \_\_\_\_\_, 2019

Type of Firm (Bidder to indicate)

\_\_\_\_\_ Individual

\_\_\_\_\_ Partnership

\_\_\_\_\_ Corporation

\_\_\_\_\_ Joint Venture

\_\_\_\_\_ Other

(CORPORATE SEAL)

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Telephone Number)

\_\_\_\_\_  
(FAX)

\_\_\_\_\_  
(E-mail Address)

\_\_\_\_\_  
(Bidder's Signature)

\_\_\_\_\_  
(Title)

Subscribed and sworn to me  
this \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_

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**NOTE: All pages of this bid form must be returned with your proposal. Failure to do so shall disqualify your bid.**

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**CERTIFICATE OF BIDDER ELIGIBILITY**

720 ILCS 5/33E-11 REQUIRES THAT ALL CONTRACTORS BIDDING FOR PUBLIC AGENCIES IN THE State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as part of its bid for the \_\_\_\_\_ work for Community High School District 99, Downers Grove, Illinois, DuPage County, Illinois certified that said contractor is not barred from bidding on the aforementioned contract as a result of violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33-E4.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**CRIMINAL CODE CERTIFICATION  
AS REQUIRED BY:  
STATE OF ILLINOIS CRIMINAL CODE OF 2012, 720 ILCS 5/33E-11**

I, \_\_\_\_\_ the individual whose signature appears below on this bid/contract  
for \_\_\_\_\_ hereby certify that the bidding  
party/contracting party is not barred from bidding on the contract as a result of a violation of either Section 33E-3 or  
Section 33E-4 of 720 ILCS 5/33E-3 or 5/33E-4 of the Illinois Compiled Statutes, as amended.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**EQUAL EMPLOYMENT OPPORTUNITY**

Section I. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, *et seq.*

Section II. In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Rules and Regulations of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Contract may be canceled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Contract, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, or physical or mental handicap unrelated to ability, military status or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with the Act and Rules and Regulations, the Contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the Contract.

E. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations.

F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations.

G. That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

ACKNOWLEDGED AND AGREED TO:

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

DATE: \_\_\_\_\_

**SEXUAL HARASSMENT POLICY**

\_\_\_\_\_, having submitted a bid for \_\_\_\_\_ (Name of Contractor)  
\_\_\_\_\_ to Community High School District No. 00, hereby  
certifies that said contractor has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-  
105 (A) (4).

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public

**TAX CERTIFICATION**

I, \_\_\_\_\_, having been first duly sworn depose and state as follows:

I, \_\_\_\_\_, am the duly authorized agent for  
\_\_\_\_\_ which has submitted a proposal to Community  
High School District No. 99 for

\_\_\_\_\_ and I hereby certify that  
\_\_\_\_\_ is not delinquent in the payment of any tax administered by the  
Illinois Department of Revenue, or if it is:

a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or

b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public



**SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS**

The Contractor certifies that it has in place a written program that meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and will provide a copy thereof to Community High School District No. 99 prior to commencement of work on the Project.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**CERTIFICATE REGARDING  
EMPLOYMENT OF ILLINOIS WORKERS ON PUBLIC WORKS**

\_\_\_\_\_ agrees if at the time the Agreement is executed, or if during the term of the Agreement, there is excessive unemployment in Illinois as defined in the Employment of Illinois Workers on Public Works Act, 30- ILCS 570/0/01 et seq., as two consecutive months of unemployment exceeding 5%, then \_\_\_\_\_ agrees to employ Illinois laborers in accordance with the Employment of Illinois Workers on Public Works Act. An "Illinois laborer" is defined as any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**PREVAILING WAGE AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that if awarded a contract with Community High School District 99, we will comply fully with the "Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990, and any other amendments effective thereafter)". We further understand that current prevailing wage standards are included in the Supplementary General Conditions.

The following affidavit must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as part of its bid for the \_\_\_\_\_ work for Community High School District 99, Downers Grove, Illinois, certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of the Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990).

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**NON-COLLUSION AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than that for the legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

The following affidavit must be signed and submitted with bidder's bid proposal.  
FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as a part of its bid for the \_\_\_\_\_ work for  
Community High School District 99, Downers Grove, Illinois, certifies that said Contractor is not barred from bidding  
on the aforementioned contract as a result of a violation of the above Non-Collusion Affidavit.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**Criminal Background Investigations**

Contractor hereby represents, warrants and certified that no officer or director thereof has any knowledge that any employee thereof has been convicted of committing or attempting to commit "Criminal Code of 1961," 720 ILCS, Sections 5/11-6 (Indecent solicitation of a child), 5/11-9 (Public indecency), 5/11-14 (Prostitution), 5/11-15 (Soliciting for a prostitute), 5/11-15.1 (Soliciting for a juvenile prostitute), 5/11-19 (Pimping), 5/11-19.1 (Juvenile pimping), 5/11-19.2 (Exploitation of a child), 5/11-20 (Obscenity), 5/11-20.1 (Sexual assault), 5/12-14 (Aggravated criminal sexual assault), 5/12-15 (Criminal sexual abuse), and 5/120-16 (Aggravated criminal sexual abuse), and/or those offenses defined in the "Cannabis Control Act," 720 ILCS, 550/1 et seq. (except the "Illinois Controlled Substances Act," 720 ILCS 570/100 et seq. and/or any offense committed or attempted in any other state or against the laws of the United States, which if committed or attempted in this State, would have been punishable as one or more of the foregoing offenses.

Contractor further agrees that it shall not employ any person who have or may have direct, daily contact with the pupils of any school in the district, and for whom a criminal background investigation has not been conducted pursuant hereto, and further represents and agrees that all applicants for any such employment shall furnish with their applications the attached written "Authorization for Criminal Background Information" form authorizing the Board of Education to request a criminal background investigation of said applicant pursuant to Section 5/10-21.9 of the School Code of Illinois and to receive criminal history record information pursuant thereto to determine if the applicant has been convicted of committing or attempting to commit any of the criminal or drug offenses enumerated above. Contractor further agrees to submit with said authorization payment for any costs and expenses associated with the criminal background investigation.

Contractor further represents, warrants, and certifies that no applicant for employment with respect to whom the criminal investigation reveals any conviction for committing and/or attempting to commit any of the above enumerated offenses shall be employed thereby in any position that involves or may involve contact with the students of the school district.

This certification is executed on the date hereinafter indicated by the designated contractor by its duly authorized officer.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

Date: \_\_\_\_\_

**Criminal Background Investigation**

The undersigned hereby authorizes in Board of Education of Community High School District 99, Downers Grove, Illinois, to request a criminal background investigation from the Illinois State Police, pursuant to Section 5/10-21.9 of the School Code of Illinois, 105 ILCS 5/10-21.9 and to receive criminal history record information pursuant thereto.

By: \_\_\_\_\_  
(Signature of Applicant of Employee)

\_\_\_\_\_  
(Printed or Typed Name of Applicant Employee)

Date: \_\_\_\_\_

**BUSINESS CLASSIFICATION**

**a) Business Entity (check one)**

Corporation (Publicly held)\*     Not-for-Profit\*     Government Agency/Public Institution\*  
 Corporation (Privately held)     Partnership     Sole Proprietor

\* If checked, do not complete section III (b) and (c) below.

**b) Business Ownership (check one)** If minority or woman owned, attach copy of certification evidence.

Large Business:     Male Owned     Woman Owned  
Small Business:     Male Owned     Woman Owned

**BUSINESS DEFINITIONS**

**Small Business Concern** - an independently owned and operated concern certified, or certifiable, as a small business by the Federal Small Business Administration (SBA). Standard Industrial Classification (SIC) codes may be found in the Federal Acquisition Regulations, Section 19.102 or in the Federal Procurement Regulations, Section 1-1.701.

**Small Disadvantaged or Minority Business Concern** - a small business concern which is at least fifty-one percent (51%) owned by one or more socially and economically disadvantaged individuals or in the case of any publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by such individuals; and whose management and daily business operations are controlled by one or more of such individuals. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans) are considered socially and economically disadvantaged.

**Woman-Owned Business** - a business concern that is at least fifty-one percent (51%) owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

**c) Race/Ethnicity of Ownership (check one)** based on definitions below.

Black     Asian/Pacific or Asian/Indian     Caucasian  
 Hispanic     Native American (American Indians, Eskimos, Aleuts and native Hawaiians)

**ETHNIC GROUP DEFINITIONS**

**Black Americans:** United States citizens whose origins are in any of the Black racial groups of Africa.

**Hispanic Americans:** United States citizens whose origins are in Mexico, Puerto Rico, Cuba, Portugal, Central or Central America.

**Native Americans:** United States citizens whose origins are in any of the original peoples of North America, i.e., American Indians, Eskimos, Aleuts and native Hawaiians.

**Asian Pacific/Asian Indian Americans:** United States citizens whose origins are in Japan, China, Korea, Taiwan, Cambodia, Laos, Vietnam, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, the Northern Mariana Islands, India, Pakistan, or Bangladesh.

I certify that the business classification and ethnicity indicated above reflects the true and correct status of this business in accordance with current Federal Small Business Administration criteria. I agree to inform Community High School District 99 immediately in writing of any changes to the information contained herein, including changes in ownership, controlling interest or operations. I understand that falsely certifying this information may result in suspension from participation in Community High School District 99 - North High School Phase II project.

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
(Print or Type)

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**END OF SECTION 00301**

BID DATE: December 19<sup>th</sup>, 2019 at 1:45 p.m. (CST)  
(as date/time stamped by District 99's Receptionist)

BID TO: Community High School District 99  
Administrative Center  
6301 Springside Avenue  
Downers Grove, IL 60516

RECEIVED BY:

BID FROM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BID FOR: ***Bid Group 8 Bid Package #93 – Electrical***

**South High School**  
1436 Norfolk Street  
Downers Grove, IL 60516

***It is required to have one original and one copy of your bid form.***

THE UNDERSIGNED:

Acknowledges receipt of:

Plans and specifications for the work indicated above.

Addenda: No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_

Having examined the site of the work, and having familiarized himself or herself with local conditions affecting the cost of the work and with all requirements of the bidding documents including Instructions to Bidders, drawings, specifications and duly issued addenda as prepared by the architect, Wight & Company, hereby agrees to perform all work and furnish all labor, material and equipment specifically required of him by the bidding documents and such additional work as may be included as related requirements in other divisions or sections of the specifications, exclusive of alternate bids.

Agrees:

To furnish and install the described material and/or services for stated lump sum price.

To hold this bid open until **90** calendar days after bid opening date.



DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00393 - BID FORM

To accept the provisions of the General Provisions (Project Manual Division 0 – Bidding & Contracting Requirements Section 00201) and disposition of bid security.

To enter into and execute a contract with the Owner, if awarded on the basis of this bid, and in connection therewith to:

1. Furnish all bonds and insurance required by the bidding documents.
2. Accomplish the work in accordance with the contract.
3. Complete the work within the contract time herein specified.

Completion Time:

The undersigned agrees to begin construction immediately, or as directed by the Construction Manager, upon notice of contract award and to perform the following components of the work in accordance with the Construction Manager's Construction. This schedule is bound in the Project Manual. See attached scope of work in section 0300.

SCOPE OF WORK:

The work in this agreement (without additional compensation) shall include, but shall not necessarily be limited to, all skilled labor, supervision, premium time, materials, tools, equipment, plant, supplies, samples, shop drawings, design/engineering drawings, layout, transportation, supervision, contributions, insurance, taxes (if applicable), compliance with all agencies (City / Village, County, State, Federal and/or any other jurisdictional agency, as may be required) and/or all services and facilities necessary and/or required for the performance of all Work shown, detailed, and/or implied by the following documents and as defined herein.

It is understood that this Trade Contractor shall perform the Work for a complete and operational system as indicated or implied in all Contract Documents. It is recognized and understood that the documents upon which the bid is based are at a conceptual phase and this Contractor who has certain skills and judgments based upon his knowledge of techniques, procedures, systems, general state of the art of his specialty is expected to include in the scope of work, all items required in order to carry out a complete and functional system whether or not shown or described in the contract documents. This contract will be awarded on the basis of such documents with the understanding that this contractor is to furnish and install all items required for the proper completion of this work without adjustment to this contract price. No extra payments shall be made of claims entertained as a result of such items, unless it can be clearly demonstrated to be added scope to the contract and beyond the original intent of the documents.

**Contractor to provide all Trade Contract work referenced in:**

1. Any sheet of this bid group package including (reference Division 0 – Bidding and Contract Requirements, Section 00200 – Notice to Bidders).
2. Specification 00300 Bid Packages Scope Document.

WORK BASE BID: For providing all work including all allowances as required for the completion of the construction of the base bid project as shown on the drawings and specifications and NOT including alternate bids and/or contractor's proposed alternates and substitutes.

**BASE BID**

**TOTAL BASE BID AMOUNT SOUTH HIGH SCHOOL MASTER FACILITY PLAN**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_ )

1. This TRADE CONTRACTOR shall include an allowance of **\$100,000.00 in their base bid** to account for any unforeseen conditions interior to building. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
  
2. Alternate No. 8.5 THEATRICAL LUMINAIRES DEDUCTIVE ALTERNATE: Provide pricing to revise the schedule of quantities for the Proscenium Theatre as noted per specification section 012300 Alternates, item 3.1E. **ADDENDUM 4**

\_\_\_\_\_ Dollars (\$) \_\_\_\_\_)

3. Alternate No. 8.6 Theatrical Luminaires Deductive Alternate: Provide pricing to revise the schedule of quantities for the Proscenium Theatre as noted per specification section 012300 Alternates, item 3.1F. **ADDENDUM 4**

\_\_\_\_\_ Dollars (\$) \_\_\_\_\_)

**BONDS:**

This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

Award Basis:

The project will be awarded based upon the attached Evaluation Criteria, Section 301a. Owner and Construction Manager alternate’s may be considered to find the most qualified bidder if the result of combining the base bid and the selected alternate(s) is the most qualified bid, and is to the benefit of the owner.

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates. This alternate price is not to be included in the base bid price.

Owner Requested Alternates:

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates.

Proposed Alternates: (Contractors Proposed Alternates)

1.	Item Specified	Proposed Alternate	Change in Bid Price
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

Owner Requested Unit Prices/Allowances (as applicable to this Trade Contractor’s scope of work) (additive or deductive).

This trade contractor includes \_\_\_\_\_ dumpsters for all refuse caused by this trade contractor's work in the amount of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_) Note: trade contractors are to include in their bid form submittal the quantity of dumpsters required to complete their work and the cost associated with same. Dumpster costs will be subtracted by change order. Dumpsters will be procured and managed by Construction Manager. Note: Dumpster use in excess of that proposed by this Trade Contractor will be adjusted by back charge.

Owner Requested Scheduling Information:

Note: The work of this Trade Contractor is to be completed in accordance with the overall project schedule as identified elsewhere in this project manual and/or as subsequently directed by Construction Manager. This Trade Contractor shall submit a proposed submittals list/schedule/material log within five (5) calendar days of Notice To Proceed.

1. Shop drawings / Submittal for this trade contractor will be submitted within 10 calendar days of receipt of notice to proceed.

Bid Acceptance:

If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within the time noted herein, after the date of opening of bids or at any time thereafter before this bid is withdrawn, the undersigned agrees that he will execute a construction contract in accordance with the bids as accepted.

The Owner reserves the right to award the contract to its best interests, review and accept any and all value engineering alternatives, negotiate with the lowest responsible bidder, to reject any or all bids, to waive any informalities in bidding and to hold all bids for the bid guarantee period. The Owner reserves the right to award separate contracts for any of the items of work bid herein.

Bid Deposit:

The undersigned furnishes herewith, as required in the Instructions to Bidders, a bid deposit in the amount of ten percent (10%) of the amount bid in the form of Cashier's Check, or Certified Check, made payable to the Owner or Bid Bond, naming the Owner as obligee. (Bidder to check form of deposit furnished.)

It is understood and agreed that should the undersigned fail to enter into a contract with the Owner or furnish acceptable contract security within the time and in the manner herein provided, the bid deposit shall be retained by the Owner as liquidated damages and not as a forfeiture. As it is impossible to determine precisely an exact amount of damages the Owner will sustain, it is agreed that the bid deposit is a fair and equitable estimate of such damages.

REPRESENTATIONS AND CERTIFICATIONS:

The bidder makes the following representations and certifications as part of his bid on the project herein identified in the Bid Form. In the case of a joint venture bid, each party represents and certifies as to his own organization.

AVAILABILITY. The number and amount of contracts and awards pending which I am and/or will be obligated to perform, now and during the course of the project, will not interfere with or hinder the timely prosecution of my work.

SURETY. I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

INDEPENDENT PRICE DETERMINATION. The contract sum in this bid has been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.

PREVAILING WAGE. The contractor and each subcontractor shall pay not less than the general prevailing rate of hourly wages for work of a similar character in the locality in which the work is performed and not less than general prevailing rate of hourly wages for legal holidays and overtime work in the performance of work under this contract, as established by the Illinois Department of Labor, pursuant to an act of the General Assembly of the State of Illinois approved June 26, 1941 as amended according to Section 820 ILCS 130/1.

Pursuant to Section 820 ILCS 130/5, the contractor and each subcontractor shall keep an accurate record showing the names and occupation of all laborers, workers and mechanics employed by them, and also showing the actual hourly wages paid to each such individual, which record shall be open at all reasonable hours to inspection by the Owner, its officers and agents, and to agents of the Illinois Department of Labor.

The contractor and each subcontractor hereby agree, jointly and severally, to defend, indemnify and hold harmless the Owner from any and all claims, demands, liens or suits of any kind or nature whatsoever (including suits for injunctive relief) by the Illinois Department of Labor under the Illinois Prevailing Wage Act, Section 820 ILCS 130/1., or by any laborer, worker or mechanic employed by the contractor or the subcontractor who alleges that he has been paid for his services in a sum less than prevailing wage rates required by Illinois law. The Owner agrees to notify the contractor or subcontractor of the pendency of any such claim, demand, lien or suit.

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00393 - BID FORM

By submitting a bid, each bidder agrees to waive any claim it has or may have against the Owner, the Architect, Engineer, Construction Manager and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid; waiver of any requirements under the Bid Documents; or the Contract Document; acceptance or rejection of any bids; and award of the Contract.

Signature:

Respectfully submitted this \_\_\_\_\_ day \_\_\_\_\_, 2019

Type of Firm (Bidder to indicate)

\_\_\_\_\_ Individual

\_\_\_\_\_ Partnership

\_\_\_\_\_ Corporation

\_\_\_\_\_ Joint Venture

\_\_\_\_\_ Other

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(Address)

(CORPORATE SEAL)

\_\_\_\_\_  
(Telephone Number)      (FAX)

\_\_\_\_\_  
(E-mail Address)

\_\_\_\_\_  
(Bidder's Signature)

\_\_\_\_\_  
(Title)

Subscribed and sworn to me  
this \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_

---

**NOTE: All pages of this bid form must be returned with your proposal. Failure to do so shall disqualify your bid.**

---

**CERTIFICATE OF BIDDER ELIGIBILITY**

720 ILCS 5/33E-11 REQUIRES THAT ALL CONTRACTORS BIDDING FOR PUBLIC AGENCIES IN THE State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as part of its bid for the \_\_\_\_\_ work for Community High School District 99, Downers Grove, Illinois, DuPage County, Illinois certified that said contractor is not barred from bidding on the aforementioned contract as a result of violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33-E4.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**CRIMINAL CODE CERTIFICATION  
AS REQUIRED BY:  
STATE OF ILLINOIS CRIMINAL CODE OF 2012, 720 ILCS 5/33E-11**

I, \_\_\_\_\_ the individual whose signature appears below on this bid/contract  
for \_\_\_\_\_ hereby certify that the bidding  
party/contracting party is not barred from bidding on the contract as a result of a violation of either Section 33E-3 or  
Section 33E-4 of 720 ILCS 5/33E-3 or 5/33E-4 of the Illinois Compiled Statutes, as amended.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**EQUAL EMPLOYMENT OPPORTUNITY**

Section I. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, *et seq.*

Section II. In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Rules and Regulations of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Contract may be canceled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Contract, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, or physical or mental handicap unrelated to ability, military status or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with the Act and Rules and Regulations, the Contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the Contract.

E. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations.



F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations.

G. That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

ACKNOWLEDGED AND AGREED TO:

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

DATE: \_\_\_\_\_

**SEXUAL HARASSMENT POLICY**

\_\_\_\_\_, having submitted a bid for \_\_\_\_\_ (Name of Contractor)  
\_\_\_\_\_ to Community High School District No. 00, hereby  
certifies that said contractor has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-  
105 (A) (4).

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**TAX CERTIFICATION**

I, \_\_\_\_\_, having been first duly sworn depose and state as follows:

I, \_\_\_\_\_, am the duly authorized agent for  
\_\_\_\_\_ which has submitted a proposal to Community  
High School District No. 99 for

\_\_\_\_\_ and I hereby certify that  
\_\_\_\_\_ is not delinquent in the payment of any tax administered by the  
Illinois Department of Revenue, or if it is:

a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or

b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS**

The Contractor certifies that it has in place a written program that meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and will provide a copy thereof to Community High School District No. 99 prior to commencement of work on the Project.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**CERTIFICATE REGARDING  
EMPLOYMENT OF ILLINOIS WORKERS ON PUBLIC WORKS**

\_\_\_\_\_ agrees if at the time the Agreement is executed, or if during the term of the Agreement, there is excessive unemployment in Illinois as defined in the Employment of Illinois Workers on Public Works Act, 30- ILCS 570/0/01 et seq., as two consecutive months of unemployment exceeding 5%, then \_\_\_\_\_ agrees to employ Illinois laborers in accordance with the Employment of Illinois Workers on Public Works Act. An "Illinois laborer" is defined as any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**PREVAILING WAGE AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that if awarded a contract with Community High School District 99, we will comply fully with the "Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990, and any other amendments effective thereafter)". We further understand that current prevailing wage standards are included in the Supplementary General Conditions.

The following affidavit must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as part of its bid for the \_\_\_\_\_ work for Community High School District 99, Downers Grove, Illinois, certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of the Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990).

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**NON-COLLUSION AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than that for the legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

The following affidavit must be signed and submitted with bidder's bid proposal.  
FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as a part of its bid for the \_\_\_\_\_ work for  
Community High School District 99, Downers Grove, Illinois, certifies that said Contractor is not barred from bidding  
on the aforementioned contract as a result of a violation of the above Non-Collusion Affidavit.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**Criminal Background Investigations**

Contractor hereby represents, warrants and certified that no officer or director thereof has any knowledge that any employee thereof has been convicted of committing or attempting to commit "Criminal Code of 1961," 720 ILCS, Sections 5/11-6 (Indecent solicitation of a child), 5/11-9 (Public indecency), 5/11-14 (Prostitution), 5/11-15 (Soliciting for a prostitute), 5/11-15.1 (Soliciting for a juvenile prostitute), 5/11-19 (Pimping), 5/11-19.1 (Juvenile pimping), 5/11-19.2 (Exploitation of a child), 5/11-20 (Obscenity), 5/11-20.1 (Sexual assault), 5/12-14 (Aggravated criminal sexual assault), 5/12-15 (Criminal sexual abuse), and 5/120-16 (Aggravated criminal sexual abuse), and/or those offenses defined in the "Cannabis Control Act," 720 ILCS, 550/1 et seq. (except the "Illinois Controlled Substances Act," 720 ILCS 570/100 et seq. and/or any offense committed or attempted in any other state or against the laws of the United States, which if committed or attempted in this State, would have been punishable as one or more of the foregoing offenses.

Contractor further agrees that it shall not employ any person who have or may have direct, daily contact with the pupils of any school in the district, and for whom a criminal background investigation has not been conducted pursuant hereto, and further represents and agrees that all applicants for any such employment shall furnish with their applications the attached written "Authorization for Criminal Background Information" form authorizing the Board of Education to request a criminal background investigation of said applicant pursuant to Section 5/10-21.9 of the School Code of Illinois and to receive criminal history record information pursuant thereto to determine if the applicant has been convicted of committing or attempting to commit any of the criminal or drug offenses enumerated above. Contractor further agrees to submit with said authorization payment for any costs and expenses associated with the criminal background investigation.

Contractor further represents, warrants, and certifies that no applicant for employment with respect to whom the criminal investigation reveals any conviction for committing and/or attempting to commit any of the above enumerated offenses shall be employed thereby in any position that involves or may involve contact with the students of the school district.

This certification is executed on the date hereinafter indicated by the designated contractor by its duly authorized officer.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

Date: \_\_\_\_\_



**Criminal Background Investigation**

The undersigned hereby authorizes in Board of Education of Community High School District 99, Downers Grove, Illinois, to request a criminal background investigation from the Illinois State Police, pursuant to Section 5/10-21.9 of the School Code of Illinois, 105 ILCS 5/10-21.9 and to receive criminal history record information pursuant thereto.

By: \_\_\_\_\_  
(Signature of Applicant of Employee)

\_\_\_\_\_  
(Printed or Typed Name of Applicant Employee)

Date: \_\_\_\_\_

**BUSINESS CLASSIFICATION**

**a) Business Entity (check one)**

Corporation (Publicly held)\*     Not-for-Profit\*     Government Agency/Public Institution\*  
 Corporation (Privately held)     Partnership     Sole Proprietor

\* If checked, do not complete section III (b) and (c) below.

**b) Business Ownership (check one)** If minority or woman owned, attach copy of certification evidence.

Large Business:     Male Owned     Woman Owned  
Small Business:     Male Owned     Woman Owned

**BUSINESS DEFINITIONS**

**Small Business Concern** - an independently owned and operated concern certified, or certifiable, as a small business by the Federal Small Business Administration (SBA). Standard Industrial Classification (SIC) codes may be found in the Federal Acquisition Regulations, Section 19.102 or in the Federal Procurement Regulations, Section 1-1.701.

**Small Disadvantaged or Minority Business Concern** - a small business concern which is at least fifty-one percent (51%) owned by one or more socially and economically disadvantaged individuals or in the case of any publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by such individuals; and whose management and daily business operations are controlled by one or more of such individuals. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans) are considered socially and economically disadvantaged.

**Woman-Owned Business** - a business concern that is at least fifty-one percent (51%) owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

**c) Race/Ethnicity of Ownership (check one)** based on definitions below.

Black     Asian/Pacific or Asian/Indian     Caucasian  
 Hispanic     Native American (American Indians, Eskimos, Aleuts and native Hawaiians)

**ETHNIC GROUP DEFINITIONS**

**Black Americans:** United States citizens whose origins are in any of the Black racial groups of Africa.

**Hispanic Americans:** United States citizens whose origins are in Mexico, Puerto Rico, Cuba, Portugal, Central or Central America.

**Native Americans:** United States citizens whose origins are in any of the original peoples of North America, i.e., American Indians, Eskimos, Aleuts and native Hawaiians.

**Asian Pacific/Asian Indian Americans:** United States citizens whose origins are in Japan, China, Korea, Taiwan, Cambodia, Laos, Vietnam, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, the Northern Mariana Islands, India, Pakistan, or Bangladesh.

I certify that the business classification and ethnicity indicated above reflects the true and correct status of this business in accordance with current Federal Small Business Administration criteria. I agree to inform Community High School District 99 immediately in writing of any changes to the information contained herein, including changes in ownership, controlling interest or operations. I understand that falsely certifying this information may result in suspension from participation in Community High School District 99 - North High School Phase II project.

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
(Print or Type)

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**END OF SECTION 00301**

BID DATE: December 19<sup>th</sup>, 2019 at 1:45 p.m. (CST)  
(as date/time stamped by District 99's Receptionist)

BID TO: Community High School District 99  
Administrative Center  
6301 Springside Avenue  
Downers Grove, IL 60516

RECEIVED BY:

BID FROM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BID FOR: **Bid Group 8 Bid Package #94 – Plumbing**

**South High School**  
1436 Norfolk Street  
Downers Grove, IL 60516

***It is required to have one original and one copy of your bid form.***

THE UNDERSIGNED:

Acknowledges receipt of:

Plans and specifications for the work indicated above.

Addenda: No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_

Having examined the site of the work, and having familiarized himself or herself with local conditions affecting the cost of the work and with all requirements of the bidding documents including Instructions to Bidders, drawings, specifications and duly issued addenda as prepared by the architect, Wight & Company, hereby agrees to perform all work and furnish all labor, material and equipment specifically required of him by the bidding documents and such additional work as may be included as related requirements in other divisions or sections of the specifications, exclusive of alternate bids.

Agrees:

To furnish and install the described material and/or services for stated lump sum price.

To hold this bid open until **90** calendar days after bid opening date.

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00394 - BID FORM

To accept the provisions of the General Provisions (Project Manual Division 0 – Bidding & Contracting Requirements Section 00201) and disposition of bid security.

To enter into and execute a contract with the Owner, if awarded on the basis of this bid, and in connection therewith to:

1. Furnish all bonds and insurance required by the bidding documents.
2. Accomplish the work in accordance with the contract.
3. Complete the work within the contract time herein specified.

Completion Time:

The undersigned agrees to begin construction immediately, or as directed by the Construction Manager, upon notice of contract award and to perform the following components of the work in accordance with the Construction Manager's Construction. This schedule is bound in the Project Manual. See attached scope of work in section 0300.

SCOPE OF WORK:

The work in this agreement (without additional compensation) shall include, but shall not necessarily be limited to, all skilled labor, supervision, premium time, materials, tools, equipment, plant, supplies, samples, shop drawings, design/engineering drawings, layout, transportation, supervision, contributions, insurance, taxes (if applicable), compliance with all agencies (City / Village, County, State, Federal and/or any other jurisdictional agency, as may be required) and/or all services and facilities necessary and/or required for the performance of all Work shown, detailed, and/or implied by the following documents and as defined herein.

It is understood that this Trade Contractor shall perform the Work for a complete and operational system as indicated or implied in all Contract Documents. It is recognized and understood that the documents upon which the bid is based are at a conceptual phase and this Contractor who has certain skills and judgments based upon his knowledge of techniques, procedures, systems, general state of the art of his specialty is expected to include in the scope of work, all items required in order to carry out a complete and functional system whether or not shown or described in the contract documents. This contract will be awarded on the basis of such documents with the understanding that this contractor is to furnish and install all items required for the proper completion of this work without adjustment to this contract price. No extra payments shall be made of claims entertained as a result of such items, unless it can be clearly demonstrated to be added scope to the contract and beyond the original intent of the documents.

**Contractor to provide all Trade Contract work referenced in:**

1. Any sheet of this bid group package including (reference Division 0 – Bidding and Contract Requirements, Section 00200 – Notice to Bidders).
2. Specification 00300 Bid Packages Scope Document.

WORK BASE BID: For providing all work including all allowances as required for the completion of the construction of the base bid project as shown on the drawings and specifications and NOT including alternate bids and/or contractor's proposed alternates and substitutes.

**BASE BID**

**TOTAL BASE BID AMOUNT SOUTH HIGH SCHOOL MASTER FACILITY PLAN**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_ )

- 1. This TRADE CONTRACTOR shall include an allowance of \$90,000.00 in their base bid to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

BONDS:

This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

Award Basis:

The project will be awarded based upon the attached Evaluation Criteria, Section 301a. Owner and Construction Manager alternate’s may be considered to find the most qualified bidder if the result of combining the base bid and the selected alternate(s) is the most qualified bid, and is to the benefit of the owner.

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates. This alternate price is not to be included in the base bid price.

Owner Requested Alternates:

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates.

Proposed Alternates: (Contractors Proposed Alternates)

Item Specified	Proposed Alternate	Change in Bid Price
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____

Owner Requested Unit Prices/Allowances (as applicable to this Trade Contractor’s scope of work) (additive or deductive).

This trade contractor includes \_\_\_\_\_ dumpsters for all refuse caused by this trade contractor’s work in the amount of \_\_\_\_\_ Dollars (\$) Note: trade contractors are to include in their bid form submittal the quantity of dumpsters required to complete their work and the cost associated with same. Dumpster costs will be subtracted by change order. Dumpsters will be procured and managed by Construction Manager. Note: Dumpster use in excess of that proposed by this Trade Contractor will be adjusted by back charge.

Owner Requested Scheduling Information:

Note: The work of this Trade Contractor is to be completed in accordance with the overall project schedule as identified elsewhere in this project manual and/or as subsequently directed by Construction Manager. This Trade

Contractor shall submit a proposed submittals list/schedule/material log within five (5) calendar days of Notice To Proceed.

1. Shop drawings / Submittal for this trade contractor will be submitted within 10 calendar days of receipt of notice to proceed.

Bid Acceptance:

If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within the time noted herein, after the date of opening of bids or at any time thereafter before this bid is withdrawn, the undersigned agrees that he will execute a construction contract in accordance with the bids as accepted.

The Owner reserves the right to award the contract to its best interests, review and accept any and all value engineering alternatives, negotiate with the lowest responsible bidder, to reject any or all bids, to waive any informalities in bidding and to hold all bids for the bid guarantee period. The Owner reserves the right to award separate contracts for any of the items of work bid herein.

Bid Deposit:

The undersigned furnishes herewith, as required in the Instructions to Bidders, a bid deposit in the amount of ten percent (10%) of the amount bid in the form of Cashier's Check, or Certified Check, made payable to the Owner or Bid Bond, naming the Owner as obligee. (Bidder to check form of deposit furnished.)

It is understood and agreed that should the undersigned fail to enter into a contract with the Owner or furnish acceptable contract security within the time and in the manner herein provided, the bid deposit shall be retained by the Owner as liquidated damages and not as a forfeiture. As it is impossible to determine precisely an exact amount of damages the Owner will sustain, it is agreed that the bid deposit is a fair and equitable estimate of such damages.

REPRESENTATIONS AND CERTIFICATIONS:

The bidder makes the following representations and certifications as part of his bid on the project herein identified in the Bid Form. In the case of a joint venture bid, each party represents and certifies as to his own organization.

**AVAILABILITY.** The number and amount of contracts and awards pending which I am and/or will be obligated to perform, now and during the course of the project, will not interfere with or hinder the timely prosecution of my work.

**SURETY.** I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

**INDEPENDENT PRICE DETERMINATION.** The contract sum in this bid has been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.

**PREVAILING WAGE.** The contractor and each subcontractor shall pay not less than the general prevailing rate of hourly wages for work of a similar character in the locality in which the work is performed and not less than general prevailing rate of hourly wages for legal holidays and overtime work in the performance of work under this contract, as established by the Illinois Department of Labor, pursuant to an act of the General Assembly of the State of Illinois approved June 26, 1941 as amended according to Section 820 ILCS 130/1.

Pursuant to Section 820 ILCS 130/5, the contractor and each subcontractor shall keep an accurate record showing the names and occupation of all laborers, workers and mechanics employed by them, and also showing the actual hourly wages paid to each such individual, which record shall be open at all reasonable hours to inspection by the Owner, its officers and agents, and to agents of the Illinois Department of Labor.

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00394 - BID FORM

The contractor and each subcontractor hereby agree, jointly and severally, to defend, indemnify and hold harmless the Owner from any and all claims, demands, liens or suits of any kind or nature whatsoever (including suits for injunctive relief) by the Illinois Department of Labor under the Illinois Prevailing Wage Act, Section 820 ILCS 130/1., or by any laborer, worker or mechanic employed by the contractor or the subcontractor who alleges that he has been paid for his services in a sum less than prevailing wage rates required by Illinois law. The Owner agrees to notify the contractor or subcontractor of the pendency of any such claim, demand, lien or suit.

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00394 - BID FORM

By submitting a bid, each bidder agrees to waive any claim it has or may have against the Owner, the Architect, Engineer, Construction Manager and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid; waiver of any requirements under the Bid Documents; or the Contract Document; acceptance or rejection of any bids; and award of the Contract.

Signature:

Respectfully submitted this \_\_\_\_\_ day \_\_\_\_\_, 2019

Type of Firm (Bidder to indicate)

\_\_\_\_\_ Individual

\_\_\_\_\_ Partnership

\_\_\_\_\_ Corporation

\_\_\_\_\_ Joint Venture

\_\_\_\_\_ Other

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(Address)

(CORPORATE SEAL)

\_\_\_\_\_  
(Telephone Number)      (FAX)

\_\_\_\_\_  
(E-mail Address)

\_\_\_\_\_  
(Bidder's Signature)

\_\_\_\_\_  
(Title)

Subscribed and sworn to me  
this \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_

---

**NOTE: All pages of this bid form must be returned with your proposal. Failure to do so shall disqualify your bid.**

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**CERTIFICATE OF BIDDER ELIGIBILITY**

720 ILCS 5/33E-11 REQUIRES THAT ALL CONTRACTORS BIDDING FOR PUBLIC AGENCIES IN THE State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as part of its bid for the \_\_\_\_\_ work for Community High School District 99, Downers Grove, Illinois, DuPage County, Illinois certified that said contractor is not barred from bidding on the aforementioned contract as a result of violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33-E4.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**CRIMINAL CODE CERTIFICATION  
AS REQUIRED BY:  
STATE OF ILLINOIS CRIMINAL CODE OF 2012, 720 ILCS 5/33E-11**

I, \_\_\_\_\_ the individual whose signature appears below on this bid/contract  
for \_\_\_\_\_ hereby certify that the bidding  
party/contracting party is not barred from bidding on the contract as a result of a violation of either Section 33E-3 or  
Section 33E-4 of 720 ILCS 5/33E-3 or 5/33E-4 of the Illinois Compiled Statutes, as amended.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**EQUAL EMPLOYMENT OPPORTUNITY**

Section I. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, *et seq.*

Section II. In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Rules and Regulations of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Contract may be canceled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Contract, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, or physical or mental handicap unrelated to ability, military status or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with the Act and Rules and Regulations, the Contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the Contract.

E. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations.

F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations.

G. That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

ACKNOWLEDGED AND AGREED TO:

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

DATE: \_\_\_\_\_

**SEXUAL HARASSMENT POLICY**

\_\_\_\_\_, having submitted a bid for \_\_\_\_\_ (Name of Contractor)  
\_\_\_\_\_ to Community High School District No. 00, hereby  
certifies that said contractor has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-  
105 (A) (4).

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public

**TAX CERTIFICATION**

I, \_\_\_\_\_, having been first duly sworn depose and state as follows:

I, \_\_\_\_\_, am the duly authorized agent for  
\_\_\_\_\_ which has submitted a proposal to Community  
High School District No. 99 for

\_\_\_\_\_ and I hereby certify that  
\_\_\_\_\_ is not delinquent in the payment of any tax administered by the  
Illinois Department of Revenue, or if it is:

a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or

b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS**

The Contractor certifies that it has in place a written program that meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and will provide a copy thereof to Community High School District No. 99 prior to commencement of work on the Project.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**CERTIFICATE REGARDING  
EMPLOYMENT OF ILLINOIS WORKERS ON PUBLIC WORKS**

\_\_\_\_\_ agrees if at the time the Agreement is executed, or if during the term of the Agreement, there is excessive unemployment in Illinois as defined in the Employment of Illinois Workers on Public Works Act, 30- ILCS 570/0/01 et seq., as two consecutive months of unemployment exceeding 5%, then \_\_\_\_\_ agrees to employ Illinois laborers in accordance with the Employment of Illinois Workers on Public Works Act. An "Illinois laborer" is defined as any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC



**PREVAILING WAGE AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that if awarded a contract with Community High School District 99, we will comply fully with the "Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990, and any other amendments effective thereafter)". We further understand that current prevailing wage standards are included in the Supplementary General Conditions.

The following affidavit must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as part of its bid for the \_\_\_\_\_ work for Community High School District 99, Downers Grove, Illinois, certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of the Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990).

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**NON-COLLUSION AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than that for the legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

The following affidavit must be signed and submitted with bidder's bid proposal.  
FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as a part of its bid for the \_\_\_\_\_ work for  
Community High School District 99, Downers Grove, Illinois, certifies that said Contractor is not barred from bidding  
on the aforementioned contract as a result of a violation of the above Non-Collusion Affidavit.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**Criminal Background Investigations**

Contractor hereby represents, warrants and certified that no officer or director thereof has any knowledge that any employee thereof has been convicted of committing or attempting to commit "Criminal Code of 1961," 720 ILCS, Sections 5/11-6 (Indecent solicitation of a child), 5/11-9 (Public indecency), 5/11-14 (Prostitution), 5/11-15 (Soliciting for a prostitute), 5/11-15.1 (Soliciting for a juvenile prostitute), 5/11-19 (Pimping), 5/11-19.1 (Juvenile pimping), 5/11-19.2 (Exploitation of a child), 5/11-20 (Obscenity), 5/11-20.1 (Sexual assault), 5/12-14 (Aggravated criminal sexual assault), 5/12-15 (Criminal sexual abuse), and 5/120-16 (Aggravated criminal sexual abuse), and/or those offenses defined in the "Cannabis Control Act," 720 ILCS, 550/1 et seq. (except the "Illinois Controlled Substances Act," 720 ILCS 570/100 et seq. and/or any offense committed or attempted in any other state or against the laws of the United States, which if committed or attempted in this State, would have been punishable as one or more of the foregoing offenses.

Contractor further agrees that it shall not employ any person who have or may have direct, daily contact with the pupils of any school in the district, and for whom a criminal background investigation has not been conducted pursuant hereto, and further represents and agrees that all applicants for any such employment shall furnish with their applications the attached written "Authorization for Criminal Background Information" form authorizing the Board of Education to request a criminal background investigation of said applicant pursuant to Section 5/10-21.9 of the School Code of Illinois and to receive criminal history record information pursuant thereto to determine if the applicant has been convicted of committing or attempting to commit any of the criminal or drug offenses enumerated above. Contractor further agrees to submit with said authorization payment for any costs and expenses associated with the criminal background investigation.

Contractor further represents, warrants, and certifies that no applicant for employment with respect to whom the criminal investigation reveals any conviction for committing and/or attempting to commit any of the above enumerated offenses shall be employed thereby in any position that involves or may involve contact with the students of the school district.

This certification is executed on the date hereinafter indicated by the designated contractor by its duly authorized officer.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

Date: \_\_\_\_\_

**Criminal Background Investigation**

The undersigned hereby authorizes in Board of Education of Community High School District 99, Downers Grove, Illinois, to request a criminal background investigation from the Illinois State Police, pursuant to Section 5/10-21.9 of the School Code of Illinois, 105 ILCS 5/10-21.9 and to receive criminal history record information pursuant thereto.

By: \_\_\_\_\_  
(Signature of Applicant of Employee)

\_\_\_\_\_  
(Printed or Typed Name of Applicant Employee)

Date: \_\_\_\_\_

**BUSINESS CLASSIFICATION**

**a) Business Entity (check one)**

Corporation (Publicly held)\*     Not-for-Profit\*     Government Agency/Public Institution\*  
 Corporation (Privately held)     Partnership     Sole Proprietor

\* If checked, do not complete section III (b) and (c) below.

**b) Business Ownership (check one)** If minority or woman owned, attach copy of certification evidence.

Large Business:     Male Owned     Woman Owned  
Small Business:     Male Owned     Woman Owned

**BUSINESS DEFINITIONS**

**Small Business Concern** - an independently owned and operated concern certified, or certifiable, as a small business by the Federal Small Business Administration (SBA). Standard Industrial Classification (SIC) codes may be found in the Federal Acquisition Regulations, Section 19.102 or in the Federal Procurement Regulations, Section 1-1.701.

**Small Disadvantaged or Minority Business Concern** - a small business concern which is at least fifty-one percent (51%) owned by one or more socially and economically disadvantaged individuals or in the case of any publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by such individuals; and whose management and daily business operations are controlled by one or more of such individuals. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans) are considered socially and economically disadvantaged.

**Woman-Owned Business** - a business concern that is at least fifty-one percent (51%) owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

**c) Race/Ethnicity of Ownership (check one)** based on definitions below.

Black     Asian/Pacific or Asian/Indian     Caucasian  
 Hispanic     Native American (American Indians, Eskimos, Aleuts and native Hawaiians)

**ETHNIC GROUP DEFINITIONS**

**Black Americans:** United States citizens whose origins are in any of the Black racial groups of Africa.  
**Hispanic Americans:** United States citizens whose origins are in Mexico, Puerto Rico, Cuba, Portugal, Central or Central America.  
**Native Americans:** United States citizens whose origins are in any of the original peoples of North America, i.e., American Indians, Eskimos, Aleuts and native Hawaiians.  
**Asian Pacific/Asian Indian Americans:** United States citizens whose origins are in Japan, China, Korea, Taiwan, Cambodia, Laos, Vietnam, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, the Northern Mariana Islands, India, Pakistan, or Bangladesh.

I certify that the business classification and ethnicity indicated above reflects the true and correct status of this business in accordance with current Federal Small Business Administration criteria. I agree to inform Community High School District 99 immediately in writing of any changes to the information contained herein, including changes in ownership, controlling interest or operations. I understand that falsely certifying this information may result in suspension from participation in Community High School District 99 - North High School Phase II project.

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
(Print or Type)

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**END OF SECTION 00301**

BID DATE: December 19<sup>th</sup>, 2019 at 1:45 p.m. (CST)  
(as date/time stamped by District 99's Receptionist)

BID TO: Community High School District 99  
Administrative Center  
6301 Springside Avenue  
Downers Grove, IL 60516

RECEIVED BY:

BID FROM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BID FOR: ***Bid Group 8 Bid Package #97 – Performance Audio Visual***

**South High School**  
1436 Norfolk Street  
Downers Grove, IL 60516

***It is required to have one original and one copy of your bid form.***

THE UNDERSIGNED:

Acknowledges receipt of:

Plans and specifications for the work indicated above.

Addenda: No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_

Having examined the site of the work, and having familiarized himself or herself with local conditions affecting the cost of the work and with all requirements of the bidding documents including Instructions to Bidders, drawings, specifications and duly issued addenda as prepared by the architect, Wight & Company, hereby agrees to perform all work and furnish all labor, material and equipment specifically required of him by the bidding documents and such additional work as may be included as related requirements in other divisions or sections of the specifications, exclusive of alternate bids.

Agrees:

To furnish and install the described material and/or services for stated lump sum price.

To hold this bid open until **90** calendar days after bid opening date.

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00397 - BID FORM

To accept the provisions of the General Provisions (Project Manual Division 0 – Bidding & Contracting Requirements Section 00201) and disposition of bid security.

To enter into and execute a contract with the Owner, if awarded on the basis of this bid, and in connection therewith to:

1. Furnish all bonds and insurance required by the bidding documents.
2. Accomplish the work in accordance with the contract.
3. Complete the work within the contract time herein specified.

Completion Time:

The undersigned agrees to begin construction immediately, or as directed by the Construction Manager, upon notice of contract award and to perform the following components of the work in accordance with the Construction Manager's Construction. This schedule is bound in the Project Manual. See attached scope of work in section 0300.

SCOPE OF WORK:

The work in this agreement (without additional compensation) shall include, but shall not necessarily be limited to, all skilled labor, supervision, premium time, materials, tools, equipment, plant, supplies, samples, shop drawings, design/engineering drawings, layout, transportation, supervision, contributions, insurance, taxes (if applicable), compliance with all agencies (City / Village, County, State, Federal and/or any other jurisdictional agency, as may be required) and/or all services and facilities necessary and/or required for the performance of all Work shown, detailed, and/or implied by the following documents and as defined herein.

It is understood that this Trade Contractor shall perform the Work for a complete and operational system as indicated or implied in all Contract Documents. It is recognized and understood that the documents upon which the bid is based are at a conceptual phase and this Contractor who has certain skills and judgments based upon his knowledge of techniques, procedures, systems, general state of the art of his specialty is expected to include in the scope of work, all items required in order to carry out a complete and functional system whether or not shown or described in the contract documents. This contract will be awarded on the basis of such documents with the understanding that this contractor is to furnish and install all items required for the proper completion of this work without adjustment to this contract price. No extra payments shall be made of claims entertained as a result of such items, unless it can be clearly demonstrated to be added scope to the contract and beyond the original intent of the documents.

**Contractor to provide all Trade Contract work referenced in:**

1. Any sheet of this bid group package including (reference Division 0 – Bidding and Contract Requirements, Section 00200 – Notice to Bidders).
2. Specification 00300 Bid Packages Scope Document.

WORK BASE BID: For providing all work including all allowances as required for the completion of the construction of the base bid project as shown on the drawings and specifications and NOT including alternate bids and/or contractor's proposed alternates and substitutes.

**BASE BID**

**TOTAL BASE BID AMOUNT SOUTH HIGH SCHOOL MASTER FACILITY PLAN**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_ )

1. This TRADE CONTRACTOR shall include an allowance of **\$10,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
2. Alternate 8.10: This TRADE CONTRACTOR shall provide an alternate pricing in the corresponding space in the bid form for furnishing and installing the Specified Alternate Equipment as listed in the specification section PERFORMANCE AUDIO-VIDEO SYSTEMS 274100. Pricing shall include all the equipment, wiring, accessories, training, programming, etc. for a complete functioning system. See specification section 012300 Alternates for additional information. Pricing per each individual equipment is required shall be attached to the bid form. **(Addendum 4)**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**BONDS:**

This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

**Award Basis:**

The project will be awarded based upon the attached Evaluation Criteria, Section 301a. Owner and Construction Manager alternate’s may be considered to find the most qualified bidder if the result of combining the base bid and the selected alternate(s) is the most qualified bid, and is to the benefit of the owner.

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates. This alternate price is not to be included in the base bid price.

**Owner Requested Alternates:**

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates.

**Proposed Alternates:** (Contractors Proposed Alternates)

	Item Specified	Proposed Alternate	Change in Bid Price
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

**Owner Requested Unit Prices/Allowances (as applicable to this Trade Contractor’s scope of work) (additive or deductive).**

This trade contractor includes \_\_\_\_\_ dumpsters for all refuse caused by this trade contractor’s work



in the amount of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_) Note: trade contractors are to include in their bid form submittal the quantity of dumpsters required to complete their work and the cost associated with same. Dumpster costs will be subtracted by change order. Dumpsters will be procured and managed by Construction Manager. Note: Dumpster use in excess of that proposed by this Trade Contractor will be adjusted by back charge.

Owner Requested Scheduling Information:

Note: The work of this Trade Contractor is to be completed in accordance with the overall project schedule as identified elsewhere in this project manual and/or as subsequently directed by Construction Manager. This Trade Contractor shall submit a proposed submittals list/schedule/material log within five (5) calendar days of Notice To Proceed.

1. Shop drawings / Submittal for this trade contractor will be submitted within 10 calendar days of receipt of notice to proceed.

Bid Acceptance:

If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within the time noted herein, after the date of opening of bids or at any time thereafter before this bid is withdrawn, the undersigned agrees that he will execute a construction contract in accordance with the bids as accepted.

The Owner reserves the right to award the contract to its best interests, review and accept any and all value engineering alternatives, negotiate with the lowest responsible bidder, to reject any or all bids, to waive any informalities in bidding and to hold all bids for the bid guarantee period. The Owner reserves the right to award separate contracts for any of the items of work bid herein.

Bid Deposit:

The undersigned furnishes herewith, as required in the Instructions to Bidders, a bid deposit in the amount of ten percent (10%) of the amount bid in the form of Cashier's Check, or Certified Check, made payable to the Owner or Bid Bond, naming the Owner as obligee. (Bidder to check form of deposit furnished.)

It is understood and agreed that should the undersigned fail to enter into a contract with the Owner or furnish acceptable contract security within the time and in the manner herein provided, the bid deposit shall be retained by the Owner as liquidated damages and not as a forfeiture. As it is impossible to determine precisely an exact amount of damages the Owner will sustain, it is agreed that the bid deposit is a fair and equitable estimate of such damages.

REPRESENTATIONS AND CERTIFICATIONS:

The bidder makes the following representations and certifications as part of his bid on the project herein identified in the Bid Form. In the case of a joint venture bid, each party represents and certifies as to his own organization.

**AVAILABILITY.** The number and amount of contracts and awards pending which I am and/or will be obligated to perform, now and during the course of the project, will not interfere with or hinder the timely prosecution of my work.

**SURETY.** I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

**INDEPENDENT PRICE DETERMINATION.** The contract sum in this bid has been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.

**PREVAILING WAGE.** The contractor and each subcontractor shall pay not less than the general prevailing rate of hourly wages for work of a similar character in the locality in which the work is performed and not less than general

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00397 - BID FORM

prevailing rate of hourly wages for legal holidays and overtime work in the performance of work under this contract, as established by the Illinois Department of Labor, pursuant to an act of the General Assembly of the State of Illinois approved June 26, 1941 as amended according to Section 820 ILCS 130/1.

Pursuant to Section 820 ILCS 130/5, the contractor and each subcontractor shall keep an accurate record showing the names and occupation of all laborers, workers and mechanics employed by them, and also showing the actual hourly wages paid to each such individual, which record shall be open at all reasonable hours to inspection by the Owner, its officers and agents, and to agents of the Illinois Department of Labor.

The contractor and each subcontractor hereby agree, jointly and severally, to defend, indemnify and hold harmless the Owner from any and all claims, demands, liens or suits of any kind or nature whatsoever (including suits for injunctive relief) by the Illinois Department of Labor under the Illinois Prevailing Wage Act, Section 820 ILCS 130/1., or by any laborer, worker or mechanic employed by the contractor or the subcontractor who alleges that he has been paid for his services in a sum less than prevailing wage rates required by Illinois law. The Owner agrees to notify the contractor or subcontractor of the pendency of any such claim, demand, lien or suit.

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00397 - BID FORM

By submitting a bid, each bidder agrees to waive any claim it has or may have against the Owner, the Architect, Engineer, Construction Manager and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid; waiver of any requirements under the Bid Documents; or the Contract Document; acceptance or rejection of any bids; and award of the Contract.

Signature:

Respectfully submitted this \_\_\_\_\_ day \_\_\_\_\_, 2019

Type of Firm (Bidder to indicate)

\_\_\_\_\_ Individual

\_\_\_\_\_ Partnership

\_\_\_\_\_ Corporation

\_\_\_\_\_ Joint Venture

\_\_\_\_\_ Other

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(Address)

(CORPORATE SEAL)

\_\_\_\_\_  
(Telephone Number)      (FAX)

\_\_\_\_\_  
(E-mail Address)

\_\_\_\_\_  
(Bidder's Signature)

\_\_\_\_\_  
(Title)

Subscribed and sworn to me  
this \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_

---

**NOTE: All pages of this bid form must be returned with your proposal. Failure to do so shall disqualify your bid.**

---

**CERTIFICATE OF BIDDER ELIGIBILITY**

720 ILCS 5/33E-11 REQUIRES THAT ALL CONTRACTORS BIDDING FOR PUBLIC AGENCIES IN THE State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as part of its bid for the \_\_\_\_\_ work for Community High School District 99, Downers Grove, Illinois, DuPage County, Illinois certified that said contractor is not barred from bidding on the aforementioned contract as a result of violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33-E4.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**CRIMINAL CODE CERTIFICATION  
AS REQUIRED BY:  
STATE OF ILLINOIS CRIMINAL CODE OF 2012, 720 ILCS 5/33E-11**

I, \_\_\_\_\_ the individual whose signature appears below on this bid/contract  
for \_\_\_\_\_ hereby certify that the bidding  
party/contracting party is not barred from bidding on the contract as a result of a violation of either Section 33E-3 or  
Section 33E-4 of 720 ILCS 5/33E-3 or 5/33E-4 of the Illinois Compiled Statutes, as amended.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**EQUAL EMPLOYMENT OPPORTUNITY**

Section I. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, *et seq.*

Section II. In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Rules and Regulations of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Contract may be canceled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Contract, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, or physical or mental handicap unrelated to ability, military status or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with the Act and Rules and Regulations, the Contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the Contract.

E. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations.

F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations.

G. That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

ACKNOWLEDGED AND AGREED TO:

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

DATE: \_\_\_\_\_

**SEXUAL HARASSMENT POLICY**

\_\_\_\_\_, having submitted a bid for \_\_\_\_\_ (Name of Contractor)  
\_\_\_\_\_ to Community High School District No. 00, hereby  
certifies that said contractor has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-  
105 (A) (4).

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public



**TAX CERTIFICATION**

I, \_\_\_\_\_, having been first duly sworn depose and state as follows:

I, \_\_\_\_\_, am the duly authorized agent for  
\_\_\_\_\_ which has submitted a proposal to Community  
High School District No. 99 for

\_\_\_\_\_ and I hereby certify that  
\_\_\_\_\_ is not delinquent in the payment of any tax administered by the  
Illinois Department of Revenue, or if it is:

a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or

b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS**

The Contractor certifies that it has in place a written program that meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and will provide a copy thereof to Community High School District No. 99 prior to commencement of work on the Project.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

**CERTIFICATE REGARDING  
EMPLOYMENT OF ILLINOIS WORKERS ON PUBLIC WORKS**

\_\_\_\_\_ agrees if at the time the Agreement is executed, or if during the term of the Agreement, there is excessive unemployment in Illinois as defined in the Employment of Illinois Workers on Public Works Act, 30- ILCS 570/0/01 et seq., as two consecutive months of unemployment exceeding 5%, then \_\_\_\_\_ agrees to employ Illinois laborers in accordance with the Employment of Illinois Workers on Public Works Act. An "Illinois laborer" is defined as any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**PREVAILING WAGE AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that if awarded a contract with Community High School District 99, we will comply fully with the "Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990, and any other amendments effective thereafter)". We further understand that current prevailing wage standards are included in the Supplementary General Conditions.

The following affidavit must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as part of its bid for the \_\_\_\_\_ work for Community High School District 99, Downers Grove, Illinois, certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of the Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990).

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**NON-COLLUSION AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than that for the legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

The following affidavit must be signed and submitted with bidder's bid proposal.  
FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as a part of its bid for the \_\_\_\_\_ work for  
Community High School District 99, Downers Grove, Illinois, certifies that said Contractor is not barred from bidding  
on the aforementioned contract as a result of a violation of the above Non-Collusion Affidavit.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
NOTARY PUBLIC

**Criminal Background Investigations**

Contractor hereby represents, warrants and certified that no officer or director thereof has any knowledge that any employee thereof has been convicted of committing or attempting to commit "Criminal Code of 1961," 720 ILCS, Sections 5/11-6 (Indecent solicitation of a child), 5/11-9 (Public indecency), 5/11-14 (Prostitution), 5/11-15 (Soliciting for a prostitute), 5/11-15.1 (Soliciting for a juvenile prostitute), 5/11-19 (Pimping), 5/11-19.1 (Juvenile pimping), 5/11-19.2 (Exploitation of a child), 5/11-20 (Obscenity), 5/11-20.1 (Sexual assault), 5/12-14 (Aggravated criminal sexual assault), 5/12-15 (Criminal sexual abuse), and 5/120-16 (Aggravated criminal sexual abuse), and/or those offenses defined in the "Cannabis Control Act," 720 ILCS, 550/1 et seq. (except the "Illinois Controlled Substances Act," 720 ILCS 570/100 et seq. and/or any offense committed or attempted in any other state or against the laws of the United States, which if committed or attempted in this State, would have been punishable as one or more of the foregoing offenses.

Contractor further agrees that it shall not employ any person who have or may have direct, daily contact with the pupils of any school in the district, and for whom a criminal background investigation has not been conducted pursuant hereto, and further represents and agrees that all applicants for any such employment shall furnish with their applications the attached written "Authorization for Criminal Background Information" form authorizing the Board of Education to request a criminal background investigation of said applicant pursuant to Section 5/10-21.9 of the School Code of Illinois and to receive criminal history record information pursuant thereto to determine if the applicant has been convicted of committing or attempting to commit any of the criminal or drug offenses enumerated above. Contractor further agrees to submit with said authorization payment for any costs and expenses associated with the criminal background investigation.

Contractor further represents, warrants, and certifies that no applicant for employment with respect to whom the criminal investigation reveals any conviction for committing and/or attempting to commit any of the above enumerated offenses shall be employed thereby in any position that involves or may involve contact with the students of the school district.

This certification is executed on the date hereinafter indicated by the designated contractor by its duly authorized officer.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

Date: \_\_\_\_\_

**Criminal Background Investigation**

The undersigned hereby authorizes in Board of Education of Community High School District 99, Downers Grove, Illinois, to request a criminal background investigation from the Illinois State Police, pursuant to Section 5/10-21.9 of the School Code of Illinois, 105 ILCS 5/10-21.9 and to receive criminal history record information pursuant thereto.

By: \_\_\_\_\_  
(Signature of Applicant of Employee)

\_\_\_\_\_  
(Printed or Typed Name of Applicant Employee)

Date: \_\_\_\_\_

**BUSINESS CLASSIFICATION**

**a) Business Entity (check one)**

Corporation (Publicly held)\*     Not-for-Profit\*     Government Agency/Public Institution\*  
 Corporation (Privately held)     Partnership     Sole Proprietor

\* If checked, do not complete section III (b) and (c) below.

**b) Business Ownership (check one)** If minority or woman owned, attach copy of certification evidence.

Large Business:     Male Owned     Woman Owned  
Small Business:     Male Owned     Woman Owned

**BUSINESS DEFINITIONS**

**Small Business Concern** - an independently owned and operated concern certified, or certifiable, as a small business by the Federal Small Business Administration (SBA). Standard Industrial Classification (SIC) codes may be found in the Federal Acquisition Regulations, Section 19.102 or in the Federal Procurement Regulations, Section 1-1.701.

**Small Disadvantaged or Minority Business Concern** - a small business concern which is at least fifty-one percent (51%) owned by one or more socially and economically disadvantaged individuals or in the case of any publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by such individuals; and whose management and daily business operations are controlled by one or more of such individuals. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans) are considered socially and economically disadvantaged.

**Woman-Owned Business** - a business concern that is at least fifty-one percent (51%) owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

**c) Race/Ethnicity of Ownership (check one)** based on definitions below.

Black     Asian/Pacific or Asian/Indian     Caucasian  
 Hispanic     Native American (American Indians, Eskimos, Aleuts and native Hawaiians)

**ETHNIC GROUP DEFINITIONS**

**Black Americans:** United States citizens whose origins are in any of the Black racial groups of Africa.

**Hispanic Americans:** United States citizens whose origins are in Mexico, Puerto Rico, Cuba, Portugal, Central or Central America.

**Native Americans:** United States citizens whose origins are in any of the original peoples of North America, i.e., American Indians, Eskimos, Aleuts and native Hawaiians.

**Asian Pacific/Asian Indian Americans:** United States citizens whose origins are in Japan, China, Korea, Taiwan, Cambodia, Laos, Vietnam, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, the Northern Mariana Islands, India, Pakistan, or Bangladesh.

I certify that the business classification and ethnicity indicated above reflects the true and correct status of this business in accordance with current Federal Small Business Administration criteria. I agree to inform Community High School District 99 immediately in writing of any changes to the information contained herein, including changes in ownership, controlling interest or operations. I understand that falsely certifying this information may result in suspension from participation in Community High School District 99 - North High School Phase II project.

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
(Print or Type)

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**END OF SECTION 00301**





2500 North Frontage Road  
 Darien, IL 60561  
 630.969.7000  
 Fax 630.737.0518  
 www.wightco.com

**Project Name:** District 99 MFP Implementation DG South Phase C

**Project Number:** 180030

**Date:** December 16, 2019

## Bid Question/Answer Log No. 3

The following clarification information is provided in response to questions received in accordance with the bid documents for the following Bid Packages:

Bid Group: 8  
 Bid Packages: 80-103

#	Questions	Date	Answers	Date/By
1.	<p>If trusses are delegated design we have the following questions:</p> <p>1. The web members are called out to be double angles but the only note on the chords is that they are 8" wide minimum Are there any limitations on what sections are used for the top &amp; bottom chord ?</p> <p>2. The locations of the web members are just graphically shown on S4.4 but no dimensions are given. Do we have any limitations at to where we locate the diagonal &amp; vertical web members?</p> <p>3. Do we have any limits on the number of vertical or diagonal web members we use as long as the truss meets design requirements?</p> <p>4. The plan S2.5 shows 3 lines of cross bracing between the trusses but there are no locational dimensions given 2 of the locations of the cross bracing are graphically shown to be in between the 2 runs of W8 X 18 beams (the W8 X 18's are located by dim). Does the cross bracing need to be between the W8 X 18's or does it need to go where determined</p>	12/12/19	<p>1. Yes, the top and bottom chords shall be WT members. Trusses shall be designed for a maximum live load deflection of 2.75" at midspan. Net dead load deflection at midspan after camber shall not exceed 1". These will be issued as note revisions 1, 11 and 12 on addendum 4, scheduled for 12.16.19.</p> <p>2. The diagonal and vertical web members shall be located per truss elevations in terms of general layout and number of bays. Ductwork is passing through the trusses, so we do not want to alter the layout. See 2/A4.25 for reference.</p> <p>3. See above for limitations.</p> <p>4. The number of cross bridging lines, the size of the cross bridging and the locations may be determined</p>	12/12/19  JG

	<p>by our engineer? (e.g. typically it might be equally spaced ?)</p> <p>5. There are now shear studs called out on the top flange of the beams spanning between the trusses. Truss notes call out the truss is NOT composite design &amp; there are no studs shown on the top of the trusses. Just want to check again that the trusses do not have to be composite</p>		<p>by your engineer. We only ask that the cross bridging avoid conflict with the current duct locations as indicated on 2/A4.25. Additionally, per structural drawings, cross bridging at end truss bays will need to be removed at the middle catwalk and the easternmost catwalk, per plan note 31 on S2.5C-F.</p> <p>5. Trusses shall be non-composite.</p>	
2.	<p>Original bid drawing E3.01B-1c column line 63.7 corridor 1-003 and learning commons had a symbol with no markings. Addendum #2 issued 12-4-19 clouded them to remove. Addendum #3 issued 12-11-19 now has them shown on the columns. Is it the intent that addendum #3 insert them back on the columns</p>	12/12/19	<p>The fixtures on the columns are to be removed per Addendum #2</p>	<p>AS 12/13/19</p>
3.	<p>On page PD1.10B.c the west side of the page going from the courtyard into the existing building is this basement or slab on grade?</p>	12/12/19	<p>Slab-on-grade with the exception of a pipe tunnel running north – south. Please reference sheet A2.00 for pipe tunnel locations.</p>	<p>AS 12/12/19</p>
4.	<p>DIRTT glass fronts and folding walls is not listed as an accepted manufacturer per the spec book. Would you consider using our proposal since we aren't listed as an accepted manufacturer (we are a DIRTT partner and only use DIRTT materials).</p>	12/12/19	<p>Alternate products will be considered with proper substitution request documentation illustrating compliance with the product performance.</p>	<p>AS 12/12/19</p>
5.	<p>1. Who is responsible for the graphics film applied to interior glass (VG-1)? 2. Is there a spec for VG-1? 3. Door #1120 is not shown on the door schedule 4. Need information on transom window, glazing and storefront framing on left side of 3/A7.17 5. Need glass type and frame info at 13/A7.17 6. Reference Library Vestibule 1-201: Doors 1201A, 1201B &amp; 1201C are not on door schedule</p>	12/12/19	<p>1 &amp; 2. VG-1 spec will be included in future bid group. This scope of work is not responsibility of any Bid Package included in this bid group. 3. Door schedule on A8.12 was revised to include door 1120 4. Refer to spec section 085653. 5. See specification section 081216 for interior glass partition. Provide glass type GL-20. 6. Listed doors have been added to the door schedule.</p>	12/12/19

	7. Storefront spec calls for painted finish and the curtain wall spec calls for class 1 clear anodized. Please clarify.		7. Provide clear anodized, typical.	
6.	It appears that no PVC conduit will be allowed for under slab raceway which is going to drive costs up substantially based on the amount of AV conduit in the design.	12/12/19	PVC will be acceptable for under slab raceway, however minimum spacing requirements would be revised as such: Between AV signals of any type and common or convenience power - 36" MIN. Between AV services of differing types (e.g. between M and L, or between L and V/D) - 12" MIN.	BHS 12/12/2019
7.	<p>1. Will there be a future bid package for finishes such as acoustical ceiling, acoustical wall panels, tectum panels? Will this cover the acoustic panels per note 72 of the architectural drawings (A2.11F)?</p> <p>2. Theater bid package BP97, note 5 refers to Unistrut. Are the horizontal Unistrut rails on the wall per detail 9/A7.19 included by BP97?</p> <p>3. The metal panel BP89 includes the column covers (note 4). We assume the interior column covers per details 1&amp;2/A7.33 and note 67 on the floor plans is in BP89.</p> <p>4. The sound control windows are in BP90 (glazing) per note 7. We assume the windows per note 71 in rooms 2-601&amp;2-612 are a complete unit with frames, glazing, and any accessories for the system and covered under BP90.</p> <p>5. Is the design of the "deep defusive acoustic panels" on A4.28, 3/A5.16, and A7.23 similar to the "reflective panels" on the ceiling? Will these panels be constructed under BP98 drywall per note 14 of the scope (built off-site and lifted into place)?</p> <p>6. Is the metal decking at the balcony tiers per A7.26 &amp; S4.7C and plenum A7.25 furnished and installed by the metal framing contractor in BP98?</p> <p>7. Are the acoustic rated doors D1, D2, D3, &amp; D4 on page A8.12 installed by the general trades package BP99?</p> <p>8. Are the wood veneer panels in the auditorium and atrium included in a future millwork bid package?</p> <p>9. Are the roller shades in a future bid package?</p>	12/12/19	<p>1. The acoustical panels and other finishes not included in this bid group will be bid at a later date, including acoustic panels per A2.11F.</p> <p>2. The unistrut rails shown on 9/A7.19 is not included in BP97 or any other bid package in this Bid Group.</p> <p>3. Correct, the Metal Panels Bid Package includes all interior column covers.</p> <p>4.</p> <p>5. These gypsum board panels shall be responsibility of the Metal Framing &amp; Drywall Contractor. The intent is to build these wall panels onsite. A voluntary alternate can be included in the "Proposed Alternate" section of the bid form for building them off site.</p> <p>6. The metal deck will be furnished and installed by the Auditorium Steel Contractor. The cold-formed metal framing is responsibility of the Metal Framing and Drywall Contractor.</p> <p>7. Yes, the acoustic rated doors will be installed by the General Trades Contractor.</p> <p>8. The wood veneer panels are not included in any bid package in this Bid Group 8.</p>	12/15/19 IE

			These will be bid out at a later date. 9. Roller shades are responsibility of the general trades package.	
8.	I did not see a scope for light ga. contractor, so I am wondering how you are dividing up the steel & deck for the light ga. seating. We have done projects where the light ga. & deck was by light ga. contractor. We have done other where we just supply the deck. I forgot to mention that if we are to pick up the deck then we probably should pick up the riser PL too? The light ga. contractor could install all light ga & riser PL at came time & then we could come in & install deck.	12/11/19	The theater seating framing is cold formed delegated design and is the responsibility of BP#98. The riser plate is the responsibility of BP#98. The metal deck on this assembly is the responsibility of BP#83.	12/14/19 AP
9.	<p>1. Reference detail 21/S1.4C: Is this just a typical detail or is it cut in a specific place? I could not locate on plan. Main question is that we are told to weld the L5 X 5 to the embed 1/4" X 3" top &amp; bottom but it does not tell us the spacing. Please advise.</p> <p>2. Please confirm that the elevator sill L's are not by the steel fabricator (ref detail 12/A1.4C). If they are, we would need size of L &amp; Embedment length of anchor.</p> <p>3. Reference details 20 &amp; 21/S1.6C. Do you know where these details apply?</p> <p>4. Reference 2/S2.8C-EP. Only the floor PL is sized. Please provide hanger size as well as the rest of the catwalk framing &amp; rail sizes.</p> <p>5. On sheet A2.12F Keynote 88 is called to be a steel rail. Keynote 88 is also noted at rails on A2.14F. But sections on A7.27, detail 5 calls for rails to be stainless. Please clarify rail material</p> <p>6. Reference A2.14F. There is a spiral stair by NJ line that appears to just be hanging from above. But I would think there should be a structural member at the bottom to help support or stabilize the stair From looking at S2.3.CF there does NOT appear to be any. Please confirm. I do not think the Spiral stair suppliers will pick this up.</p> <p>7. Reference A6.03. Just want to confirm that TS 2 X 2 is acceptable for cable rail posts.</p>	12/11/19	<p>1. The typical details only apply where a custom section is not cut on plan for that type of condition. Given that we have cut a custom section at all of the slab-to-precast wall conditions, this detail no longer applies. Refer to non-typical sections and details for slab-to-precast concrete wall details.</p> <p>3. It will be a few miscellaneous areas where we have to enclose an existing floor opening once the existing ductwork is removed. Assume (3) such locations per each of the two details.</p> <p>4. This has been provided in addendum 3, issued on 12.11.19.</p> <p>5. Keynote 88 is correct. Notes on A7.27 have been revised to call out painted steel handrails.</p> <p>6. The supports for the spiral stair will be provided in the forthcoming addendum 4.</p> <p>7. The 2x2 posts are welded to a continuous bent plate or embed plate per structural drawings on S3.4C-B.</p>	12/12/19

	<p>Also, where / how are posts to attached to? All details just show the posts stopping at the top of floor but there is not base plate detail given. Especially at stairs, the posts just stop at the top of the stair tread,</p> <p>8. When comparing sheets A7.29 &amp; S3.10C-F the catwalk designs do not agree. Please ask for final structural catwalk design.</p>		<p>8. Final structural catwalk design is correct per addendum 3, issued on 12.11.19. Sheet A7.29 has been revised to match S3.10C-F.</p>	
10.	<p>Per the addendum it looks like the AV is no longer its own bid package and now to be included in the low voltage, is that correct?</p>	12/11/19	<p>The AV was included in the Low Voltage Bid Package. The Performance AV is still a separate bid package.</p>	12/15/19 IE
11.	<p>Could you please confirm which glass makeup (per glazing specifications addendum #2) we should proceed with for the skylight glass?</p>	12/11/19	<p>Provide Insulated Unit. Exterior Lite Clear glass with Low-E Solarban 70XL surface #2. Interior Lite laminated 3/16" clear heat strengthen.</p>	BHS 12/13/2019
12.	<p>1. Door 1211, please confirm Door Type, Material, Size, and hardware set.</p> <p>2. Door 1602B, 1602C, &amp; 1602D are aluminum doors with aluminum frames.</p> <p>3. Door 1613A, please confirm Door Type, Material, Size, and hardware set.</p> <p>4. Per Addendum #3 the width of Skylight C.1 and C.2 was supposed to be shown on the roof plan drawing but it is still not listed. Please advise what size these skylights are.</p>	12/12/19	<p>1. Door to be F1, Wood</p> <p>2. Confirmed</p> <p>3. Door 1613A is an insulated overhead door per spec section 083613. Size indicated in plan and elevation.</p> <p>4. Width of C.1 and C.2 to be 10'-5 3/4".</p>	BHS 12/13/2019
13.	<p>The following doors can only be found via the floor plan or interior elevations:</p> <p>1201A (pair) 1201B (pair) 1120 1220A 1220B 1211 (on door schedule, no material description)</p> <p>I think there are more, but this is just from my initial review. Will any of these be aluminum? If so, which hardware set should we quote? Am I misinterpreting this? Are elevations 3, 4, 5, 9, 12, 13, &amp; 14 on A7.17 to be aluminum storefront systems to be included in our scope package, or the scope package picking up the Raco framing?</p>	12/13/19	<p>Doors have been added to the door schedule with materials noted. Elevations listed are intended to be Interior Aluminum Partition denoted by keynote 22.</p>	BHS 12/13/2019

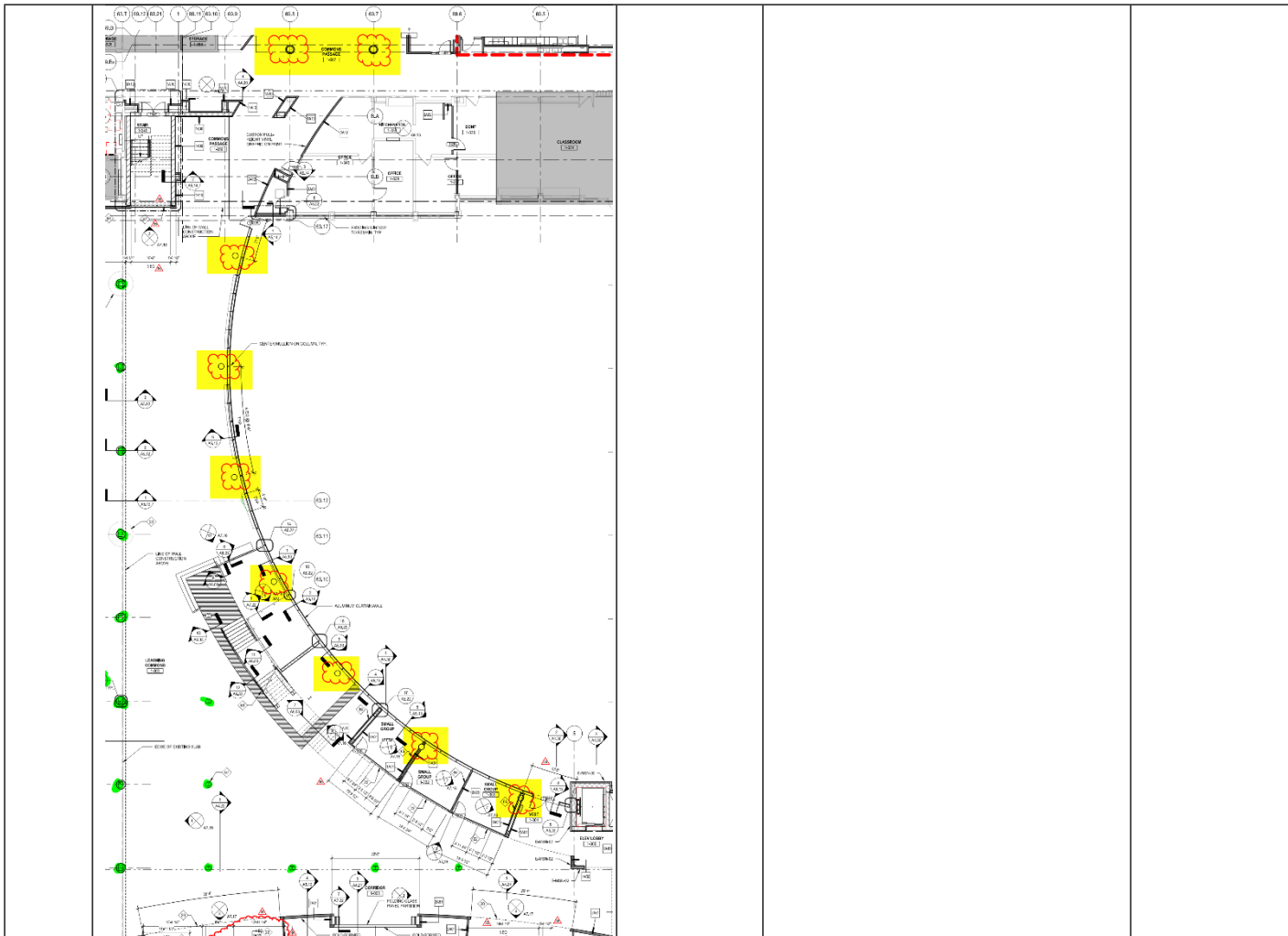
14.	I did a cursory review of Add #3. Looks like they covered a lot. It looks like they still have to do truss design at the Theatre. Is that your understanding?	12/12/19	Truss is a delegated design item. Refer the contractors to the truss elevation sheet on S4 series.	12/12/19 JG
15.	Page P1.10B.c in the courtyard is the site contractor doing all of this underground storm work or is the plumber responsible for the 6" branches	12/13/19	The site utilities contractor is responsible for all work from a point 5' outside the building foundations including the courtyard area. The plumbing contractor is responsible for all pipe work inside limits of foundation to a point 5' outside of foundation walls.	12/13/19 AP
16.	<p>1. Reference elevations 3/A7.17 and 4/A7.17 of the Issue for Addendum #3 set of Architectural Drawings. According to the Life Safety Plan (pg. G1.01), this wall should have a 1-hour fire rating separation, however, the glazing type is not called out on the elevations. Furthermore, the Wilson Partition aluminum framing specified at these locations (to be provided by the general trades contractor) is not a fire-rated system, indicating that this is not a fire-rated wall.</p> <p>a. Please confirm if the glazing at elevations 3/A7.17 and 4/A7.17 are to be fire-rated b. Please confirm all glass types on these elevations, including the transom window on elevation 3/A7-17.</p> <p>2. Reference page 2.11B. Door number 1304A, south of gridline 63.8 at 63.N is not on the door schedule and appears to be a new door in the curtain wall.</p>	12/13/19	<p>1a. These elevations need not be fire-rated. Life safety plan will be updated.</p> <p>1b. Provide GL-20 for these elevations.</p> <p>2.1304A is included in the door schedule, listed under Level 02.</p>	12/16/2019 BHS
17.	Drawing M2.00F.C- There are (2) notes that state "Return Wall Plenum with Acoustical Lining". Please confirm this work is covered under Bid Package #92 HVAC Insulation.	12/13/19	Yes. The internal lining of this concrete chase will be by BP#92 HVAC insulation	12/13/19 AP
18.	<p>1. Door # 1211 is not on the schedule.</p> <p>2. According to life safety plan on page G1.01, door number 1217 should carry a 1-hour of separation, however, it is not a fire-rated door according to the door hardware schedule on page A8.12.</p> <p>3. Please identify the locations of the following glass types: GL-07, G-01, G-02, GL-9</p>	12/13/19	<p>1. Door schedule has been revised to include door #1211</p> <p>2. Door 1217 need be fire-rated. Life Safety Plan will be revised.</p> <p>3. GL-07 occurs on elevation 1/A4.05 as revised within. GL-01, GL-02 are not applicable to this phase. GL-09 has been</p>	12/16/2019 BHS

	4. Reference detail 10/A7.33: The framing for the side lite for door 1218 appears to be curtain wall. Is this the intention, or should this be a different type of framing system, and if so, what kind?		removed as revised within on sheet A4.04.  4. This opening is intended to be a Hollow Metal Frame. Detail will be revised.	
19.	The risers for the radius stair in Area B are assembled above the stringer, leaving the outside edge of the stair exposed (See sheet A6.03). I'm wondering if we need to add an additional run of cable closer to the base of the rail to meet code. I'm afraid that the edges of the treads being exposed will leave a gap larger than the 4" sphere rule. Or will the stair be framed with gypsum board and metal studs? Looking at the elevation 1/A4.30, it appears that the steps would be exposed. Please advise.	12/13/19	Correct, the steps are meant to be exposed per elevation 1/A4.30 and will require additional cable rails to meet code.	12/16/19 AS
20.	1. The following doors are probably in Bid Group 8 (Phase C), but not on the door schedule: 1101, 1201A, 1201B, 1220A, 1220B, 1120, 1148, 1565.  2. Are 3603 and 3607 access doors?  3. 1202 is not labeled on the floor plan but is on the door schedule.  4. Door 1304 is listed on level 2, but probably is level 1 (curtainwall to courtyard).	12/13/19	1. Doors have been added to the door schedule as revised within.  2. These are intended for access under the seating but should be considered as doors, <u>not</u> as access doors.  3. Refer to A2.11D.  4. Correct. Door 1304A is incorrectly listed under Level 2, however it is intended to be at Level 1.	12/16/2019 BHS
21.	On sheet S2.5C-F we are just given bearing bar depth of 2", loading & an opening size in the grating of 2" X 4". How exact does the 2" X 4" opening have to be?  The closest we can find with that size opening is 38 spaced (38/16") grating which will have a 2" opening (within standard grating manufacturing tolerance) but the cross bars are 4" c/c so the 'opening' will be slightly under 4". Is this acceptable?  Also see below comments from one of our grating supplier's engineers:  They say: 38W4 2" x 3/16" plain surface grating will not safely clear span 9'-2" under 120 psf loading.	12/13/19	From structural standpoint, the grating isn't limited to 2" maximum depth, so the grating shall be designed as required to meet the specified loads. In addition, the grating shall be designed to meet L/360 live load deflection limit and L/240 total deflection limit. 38W4 2" x 3/8" plain surface grating with deflection of 0.539 inches will be acceptable.	12/16/2019 JG/BHS

	<p>38W4 2" x 1/4" plain surface grating will safely clear span 9'-2" under 120 psf loading, but the deflection will be 0.808 inches.</p> <p>38W4 2" x 3/8" plain surface grating will safely clear span 9'-2" under 120 psf loading, but the deflection will be 0.539 inches.</p> <p>They say 2" grating can make the span but there will be a deflection between approx. 1/2" or 3/4". Is this acceptable? Otherwise we would probably have to increase the depth of the grating. Please advise</p> <p>What are the deflection criteria &amp; what is the max depth of grating bearing bars we can go to meet the deflection?</p>			
22.	<p>How exactly am I supposed to price to openings with an Acoustical Designation? There are spec sections for both STC Rated Acoustical Openings &amp; Non-STC Rated Acoustical Openings. Are the designations D1-D4 just requiring the gasketing in hardware sets, or do you need STC rated door?</p> <p>If STC rated doors are required I will need a rating. There is a big cost difference between a true STC rated door and just a door with gasketing to help with acoustics.</p>	12/13/19	STC rated doors are <u>not</u> required unless specifically noted. The acoustical designations direct you to the correct details regarding gasketing, kerfed frames, etc.	12/16/209B HS
23.	<p>1. Is the plan to back fill the foundation in the courtyard after the auditorium is demolished and when we get the spoils out or do we have to plan on getting stone in to back the foundation and slab on grade stone before the auditorium is demolished? Schedule does not specify. If so, is there an area to stockpile the stone close during the week so we can buggy in the stone on Saturdays?</p> <p>2. There is an allowance for boring that stated from structure 8.0 to 8.1. Is this correct or is it under the building the bore will take place?</p> <p>3. Access to the courtyard before the auditorium is demolished is marked on the pan but, do we have to go through the new addition to access the doorway?</p> <p>4. Is floor protection needed in the hallway through the access on the north side (before</p>	12/13/19	<p>1. Backfill of the foundations in the courtyard can occur after school is out in which case a skidsteer can be used to bring stone in thru the existing building.</p> <p>2. The directional boring has been removed from the project. Revised scope document/bid form is included in this addendum.</p> <p>3. Access to the courtyard before auditorium is demolished will be thru the Phase B addition and thru the existing corridor.</p> <p>4. Floor protection is not needed in this area, as new</p>	12/14/19 AP



	<p>the auditorium is wrecked) if we have to use it.</p> <p>5. By any chance, can the opening be increased to 9' 6" for clearance? The 1' difference will greatly increase the size of machine to access the courtyard.</p>		<p>flooring will be installed as part of this project.</p> <p>5. No, the opening is restricted by existing piping, mechanicals, and ceiling heights.</p>	
24.	Please send the following drawings: AD 4.24, A4.245, A5.10, A5.21.	12/13/19	Drawings are included within. It assumed that A4.24 is being asked for as there is no sheet A4.245.	12/16/2019 BHS
25.	Sheet A2.04 (Addendum #3 Drawing): In legend what is the construction of RF-01. (Please specify the difference over steel deck and concrete / Light Weight Concrete)	12/13/19	RF-01 assembly has been added to the legend.	12/16/2019 BHS
26.	Is there a curtainwall storefront schedule in these drawings? Are you expecting us to size all this work off the elevations? A8.12 in not very comprehensive.	12/13/19	There is no schedule. Typical dimensions and relevation overall dimensions are provided on the plans and elevations. A8.12 is intended for door information.	12/16/2019 BHS
27.	Addendum 3 has new alternates added. I don't see a revised bid form for those. Will a new bid form be issued?	12/13/19	Yes, please refer to revised bid form and scope document for Performance Audio Visual included in this addendum.	12/15/19 IE
28.	Please advise where the following glass types are located on the project or if they are no longer on the project, we are unable to locate any of these glass types... G-21, G-22, G-05A, G-07, G-01, G-02, GL-04.	12/12/19	GL-05A occurs on elevation 1/A4.04. GL-07 occurs on elevation 1/A4.05 as revised within this addendum. GL-04 replaces GL-09 as revised within this addendum. GL-01, GL-02, GL- 21 & GL-22 are not applicable to this phase.	12/16/2019 BHS
29.	Please see attached. can you clarify whether the yellow highlighted columns are meant to be included as metal column covers in the metal panel scope?	12/12/19	The 2 columns to the north of the image should be considered as metal column covers. The 7 columns along the radiused curtainwall need not be considered as metal column covers. These will be Architecturally Exposed Structural Steel	12/16/2019 BHS

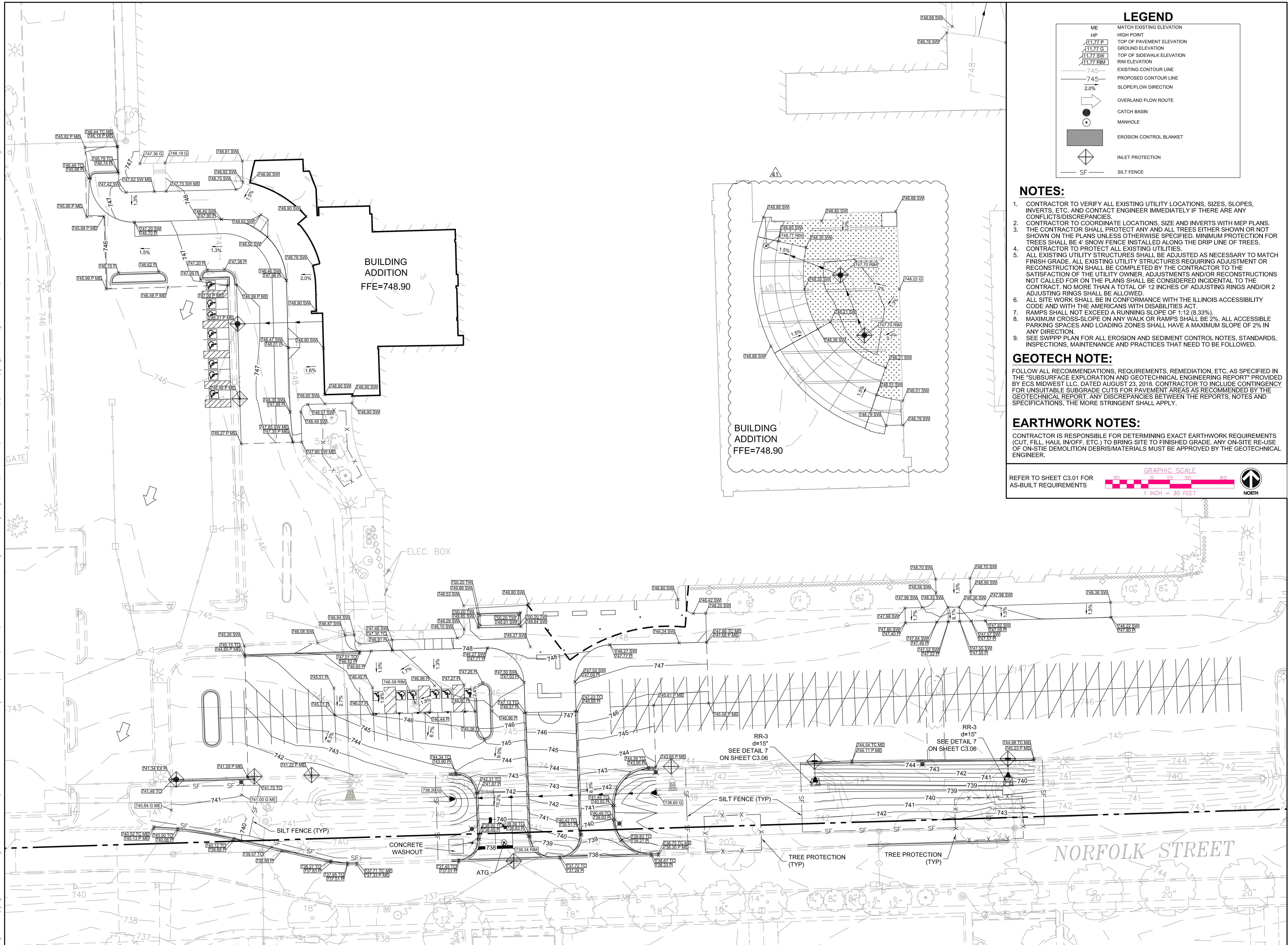


30.	<p>1. Pg. T1.21 calls for 1U 48 port cat 6 patch panels, is this accurate they are looking for high density patch panels or are they actually 2U?</p> <p>2. Pg. T1.21 shows no horizontal wire managers are the patch panels angled for wire management purposes?</p>	12/16/19	<p>1. This should read 2U 48-port Cat 6 patch panel.</p> <p>2. In the 2-post open rack, the patch panels should be angled.</p>	12/16/19 F.K. Sentinel
31.	<p>1. Can you confirm that there are not any LD's for Downers Grove South #83 &amp; 84?</p> <p>2. Also is warranty std 1 yr for both?</p>	12/16/19	<p>1. No liquidated damages are included as part of this project. However, if any measures (premium time, etc.) are required to accelerate the schedule if a trade contractor does not comply with schedule durations, the cost for accelerating the schedule will be backcharged to the responsible trade contractor.</p> <p>2. Standard warranty is 1 year unless any special warranties are called for in the project manual.</p>	12/16/19 IE

32.	<p>1. Wood door veneer - the specs call for either plain sliced red oak or white maple. Please advise which veneer we are to use as a basis of our proposal.</p> <p>2. Opening #2801A is on the door schedule and is not on the plans. Can you confirm that this opening is not in the scope? Yes</p> <p>3. There are openings on the plans that look to be new, but are not on the door schedule. Please review and let me know if these are to be included in the scope of work for this bid package. If so, please provide details for door(s), frame &amp; hardware.</p>	12/16/19	<p>1. Rift White Oak shall be considered base bid.</p> <p>2. Opening #2801A shall be included in this bid group.</p> <p>3. Please refer the the updated door schedule included in this addendum.</p>	12/16/19 IE
33.	I'm reaching out to see how we will get access to the center area to remove the trees?	12/16/19	Those trees in the center courtyard have already been removed and are not part of the scope of work.	12/16/19 IE

S:\Darien\Downers Grove SD99\5274-42 CHSD99 Improvements\01\DWG\CD\5274-42\_C3.01 GRADING AND EC PLAN SOUTH.dwg devans Dec 13, 2019 8:53:21 am

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### LEGEND

ME	MATCH EXISTING ELEVATION
HP	HIGH POINT
11.77 P	TOP OF PAVEMENT ELEVATION
11.77 G	GROUND ELEVATION
11.77 SW	TOP OF SIDEWALK ELEVATION
11.77 RIM	RIM ELEVATION
745	EXISTING CONTOUR LINE
745	PROPOSED CONTOUR LINE
2.0%	SLOPE/FLOW DIRECTION
→	OVERLAND FLOW ROUTE
○	CATCH BASIN
●	MANHOLE
■	EROSION CONTROL BLANKET
◇	INLET PROTECTION
SF	SILT FENCE

- ### NOTES:
- CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS, SIZES, SLOPES, INVERTS, ETC. AND CONTACT ENGINEER IMMEDIATELY IF THERE ARE ANY CONFLICTS/DISCREPANCIES.
  - CONTRACTOR TO COORDINATE LOCATIONS, SIZE AND INVERTS WITH MEP PLANS. THE CONTRACTOR SHALL PROTECT ANY AND ALL TREES EITHER SHOWN OR NOT SHOWN ON THE PLANS UNLESS OTHERWISE SPECIFIED. MINIMUM PROTECTION FOR TREES SHALL BE 4' SNOW FENCE INSTALLED ALONG THE DRIP LINE OF TREES.
  - CONTRACTOR TO PROTECT ALL EXISTING UTILITIES.
  - ALL EXISTING UTILITY STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO MATCH FINISH GRADE. ALL EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT OR RECONSTRUCTION SHALL BE COMPLETED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY OWNER. ADJUSTMENTS AND/OR RECONSTRUCTIONS NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. NO MORE THAN A TOTAL OF 12 INCHES OF ADJUSTING RINGS AND/OR 2 ADJUSTING RINGS SHALL BE ALLOWED.
  - ALL SITE WORK SHALL BE IN CONFORMANCE WITH THE ILLINOIS ACCESSIBILITY CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
  - RAMPS SHALL NOT EXCEED A RUNNING SLOPE OF 1:12 (8.33%).
  - MAXIMUM CROSS-SLOPE ON ANY WALK OR RAMPS SHALL BE 2%. ALL ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
  - SEE SWPPP PLAN FOR ALL EROSION AND SEDIMENT CONTROL NOTES, STANDARDS, INSPECTIONS, MAINTENANCE AND PRACTICES THAT NEED TO BE FOLLOWED.

### GEOTECH NOTE:

FOLLOW ALL RECOMMENDATIONS, REQUIREMENTS, REMEDIATION, ETC. AS SPECIFIED IN THE "SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT" PROVIDED BY ECS MIDWEST LLC, DATED AUGUST 23, 2018. CONTRACTOR TO INCLUDE CONTINGENCY FOR UNSUITABLE SUBGRADE CUTS FOR PAVEMENT AREAS AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ANY DISCREPANCIES BETWEEN THE REPORTS, NOTES AND SPECIFICATIONS, THE MORE STRINGENT SHALL APPLY.

### EARTHWORK NOTES:

CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT EARTHWORK REQUIREMENTS (CUT, FILL, HAUL IN/OFF, ETC.) TO BRING SITE TO FINISHED GRADE. ANY ON-SITE RE-USE OF ON-SITE DEMOLITION DEBRIS/MATERIALS MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER.

REFER TO SHEET C3.01 FOR AS-BUILT REQUIREMENTS

GRAPHIC SCALE: 1 INCH = 30 FEET

NORTH



Wight & Company  
wightco.com  
2500 North Frontage Road  
Darien, IL 60561  
P 630.969.7000  
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REV	DESCRIPTION	DATE
1	ISSUED FOR ADDENDUM 4 - BGS	12.16.2019
2	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019

**COMMUNITY SCHOOL DISTRICT 99 – MFP IMPLEMENTATION SOUTH HIGH SCHOOL**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

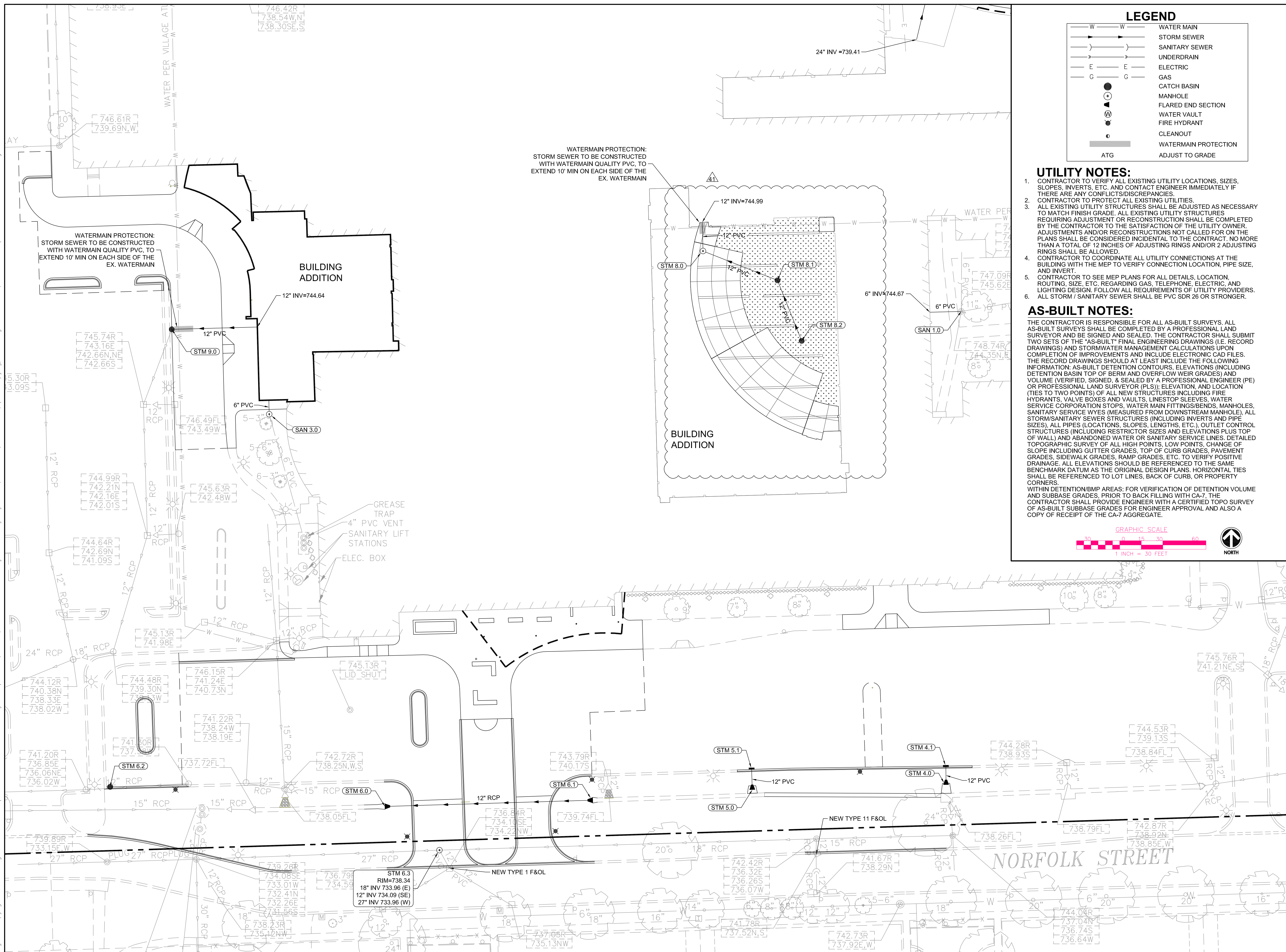
**GRADING AND EROSION CONTROL PLAN – SOUTH**

Project Number: 5274-02  
Drawn By: DE  
Sheet:

**C3.03**

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ISSUED FOR ADDENDUM 4 - BGR 12.16.2019

ISSUED FOR BID GROUP 8 - PHASE C 11.20.2019

REV	DESCRIPTION	DATE
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**COMMUNITY SCHOOL DISTRICT 99 – MFP IMPLEMENTATION SOUTH HIGH SCHOOL**

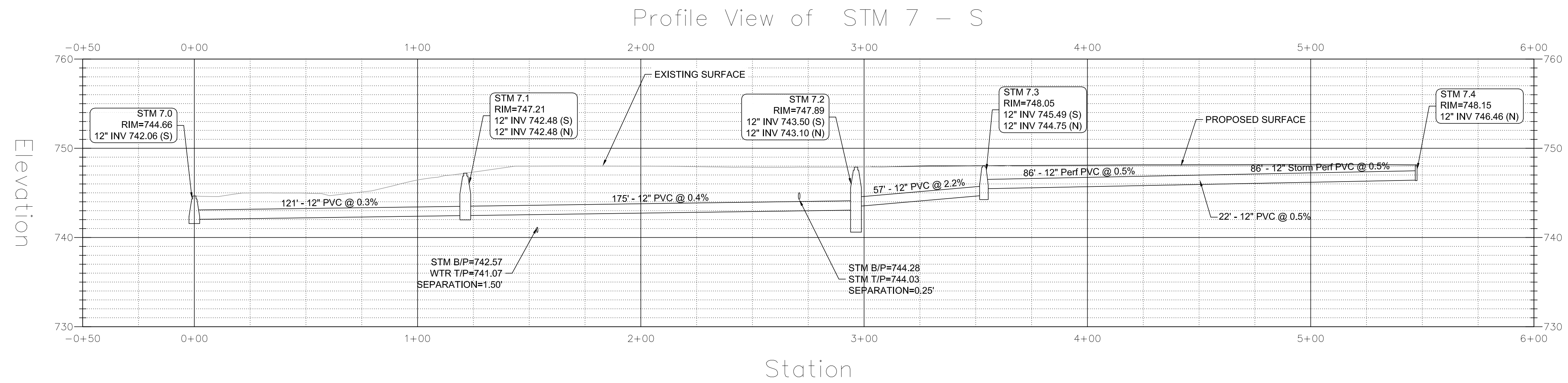
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DOWNERS GROVE, IL 60516

**UTILITY PLAN – SOUTH**

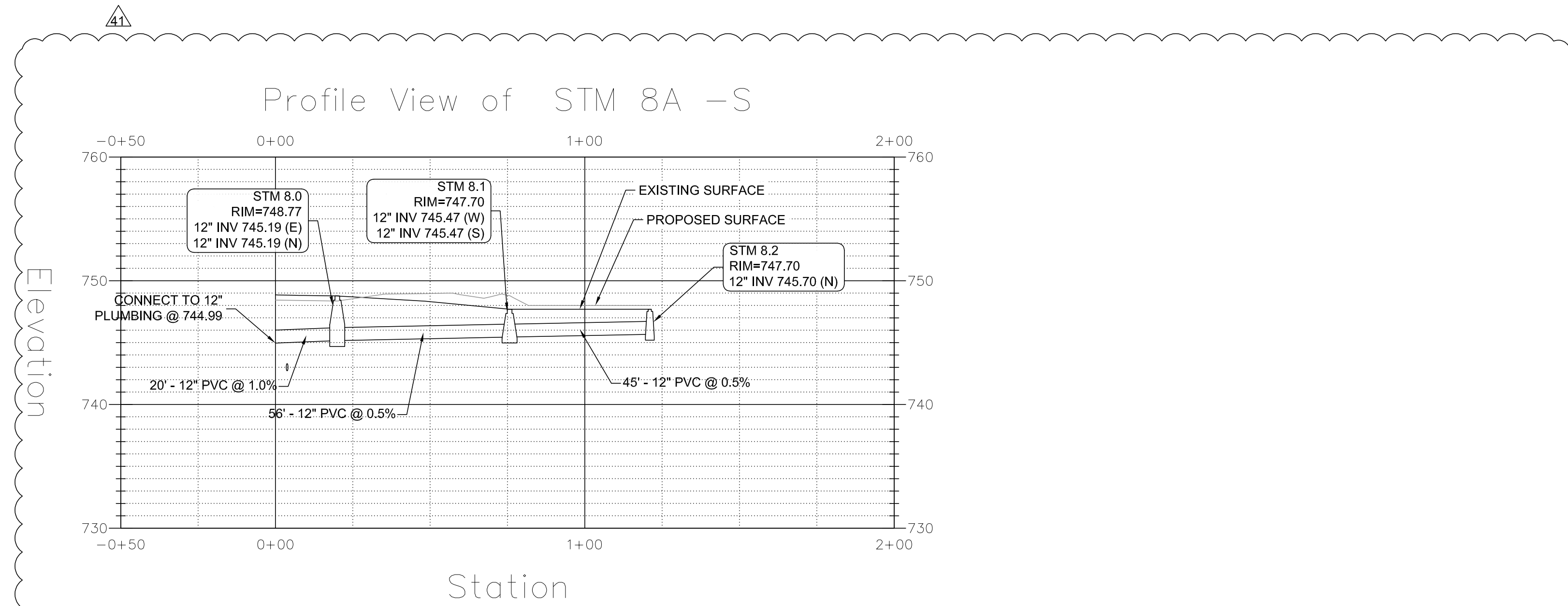
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5274-02  
Drawn By:  
DE  
Sheet:

**C4.03**

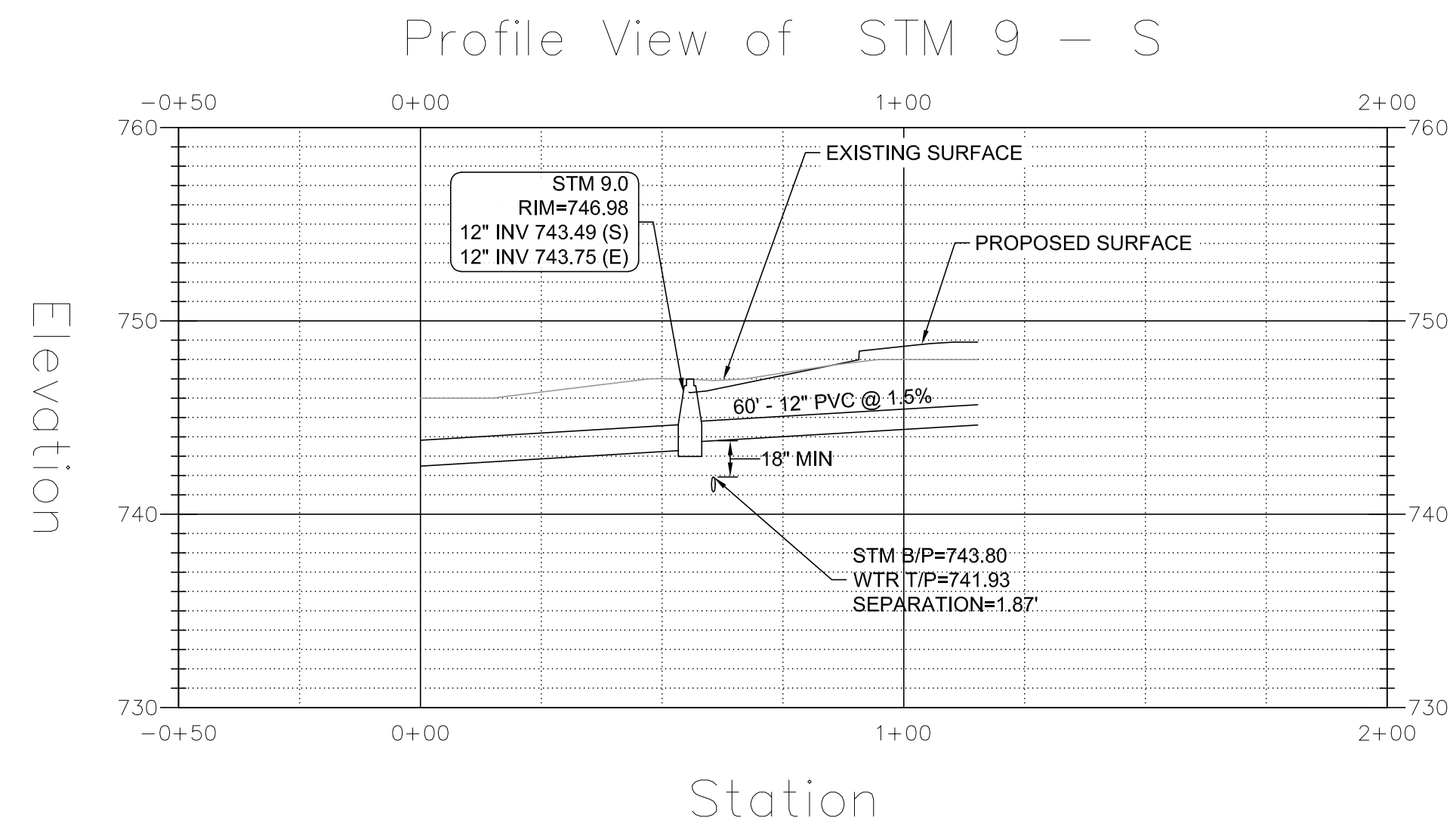
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Structure Table		
Structure	Structure Descriptions	Structure Details
STM 7.0	EX CB	RIM = 744.66 12" S = 742.06
STM 7.1	4' DIA. CB TYPE 1 F&OL	RIM = 747.21 12" S = 742.48 12" N = 742.48
STM 7.2	4' DIA. CB TYPE 1 F&OL	RIM = 747.89 12" S = 743.50 12" N = 743.10
STM 7.3	3' DIA. INLET TYPE B TYPE 1 F&OL	RIM = 748.05 12" S = 745.49 12" N = 744.75
STM 7.4	CLEANOUT	RIM = 748.15 12" N = 746.46



Structure Table		
Structure	Structure Descriptions	Structure Details
STM 8.0	4' DIA. MH TYPE 1 F&CL	RIM = 748.77 12" E = 745.19 12" N = 745.19
STM 8.1	4' DIA. CB TYPE 1 F&OL	RIM = 747.70 12" S = 745.47 12" W = 745.47
STM 8.2	2' DIA. INLET TYPE 1 F&OL	RIM = 747.70 12" N = 745.70



Structure Table		
Structure	Structure Descriptions	Structure Details
STM 9.0	4' DIA. CB TYPE 1 F&OL	RIM = 746.98 12" E = 743.75 12" S = 743.49



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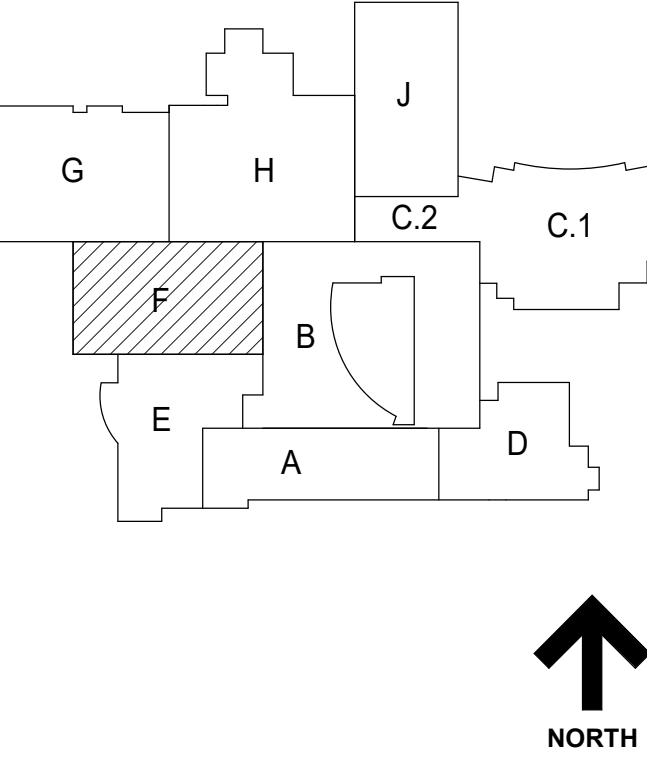
REV	DESCRIPTION	DATE
1	ISSUED FOR ADDENDUM 4 - BG8	12.16.2019
2	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019

**COMMUNITY SCHOOL DISTRICT 99 - MFP IMPLEMENTATION SOUTH HIGH SCHOOL**  
 1436 NORFOLK STREET  
 DOWNERS GROVE, IL 60516

**UTILITY PROFILES PLAN - SOUTH**

Project Number:  
 5274-02  
 Drawn By:  
 DE  
 Sheet:

**C4.06**



**NOT FOR CONSTRUCTION**

41	ADDENDUM 4 - BGS	12.16.2019
36	ADDENDUM 2 - BGS	12.04.2019
	ISSUED FOR BID GROUP B PHASE C	11.20.2019
	ISSUED FOR 90% CD - PHASE C	11.12.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 25% CD - PHASE C	8.30.2019
REV	ISSUE	DATE

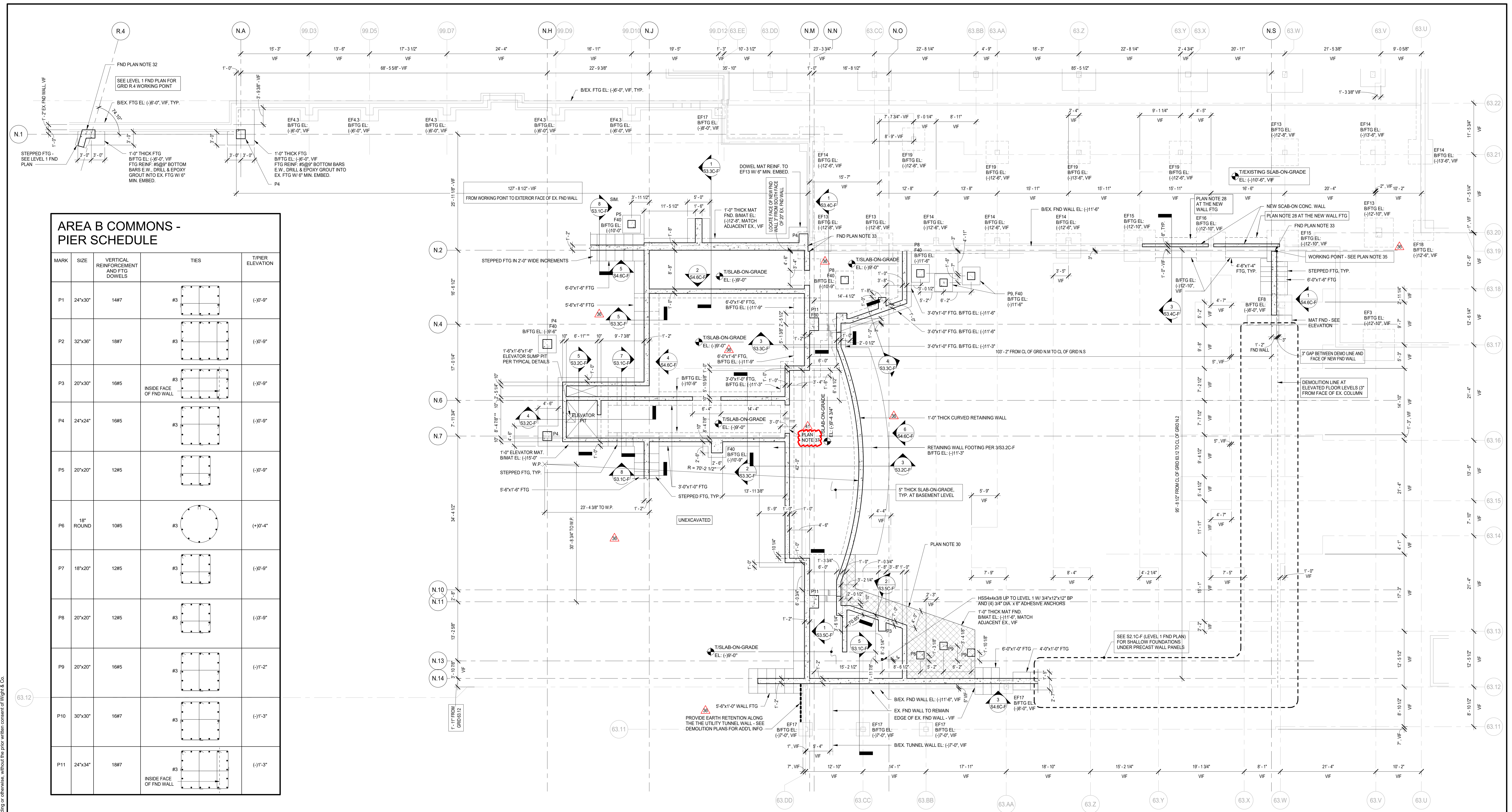
**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**BASEMENT LEVEL FOUNDATION PLAN - AREA F**

Project Number:  
5274-42  
Drawn By:  
J.G.  
Sheet:

**S2.0C-F**



**AREA B COMMONS - PIER SCHEDULE**

MARK	SIZE	VERTICAL REINFORCEMENT AND FTG DOWELS	TIES	PIER ELEVATION
P1	24"x30"	14#7	#3	(+10'-9")
P2	32"x36"	19#7	#3	(+10'-9")
P3	20"x30"	16#5	#3	(+10'-9")
P4	24"x24"	16#5	#3	(+10'-9")
P5	20"x20"	12#5	#3	(+10'-9")
P6	18" ROUND	10#5	#3	(+10'-4")
P7	18"x20"	12#5	#3	(+10'-9")
P8	20"x20"	12#5	#3	(+11'-3")
P9	20"x20"	16#5	#3	(+11'-2")
P10	30"x30"	19#7	#3	(+11'-3")
P11	24"x34"	19#7	#3	(+11'-3")

**1963 EXISTING FOOTING SCHEDULE**

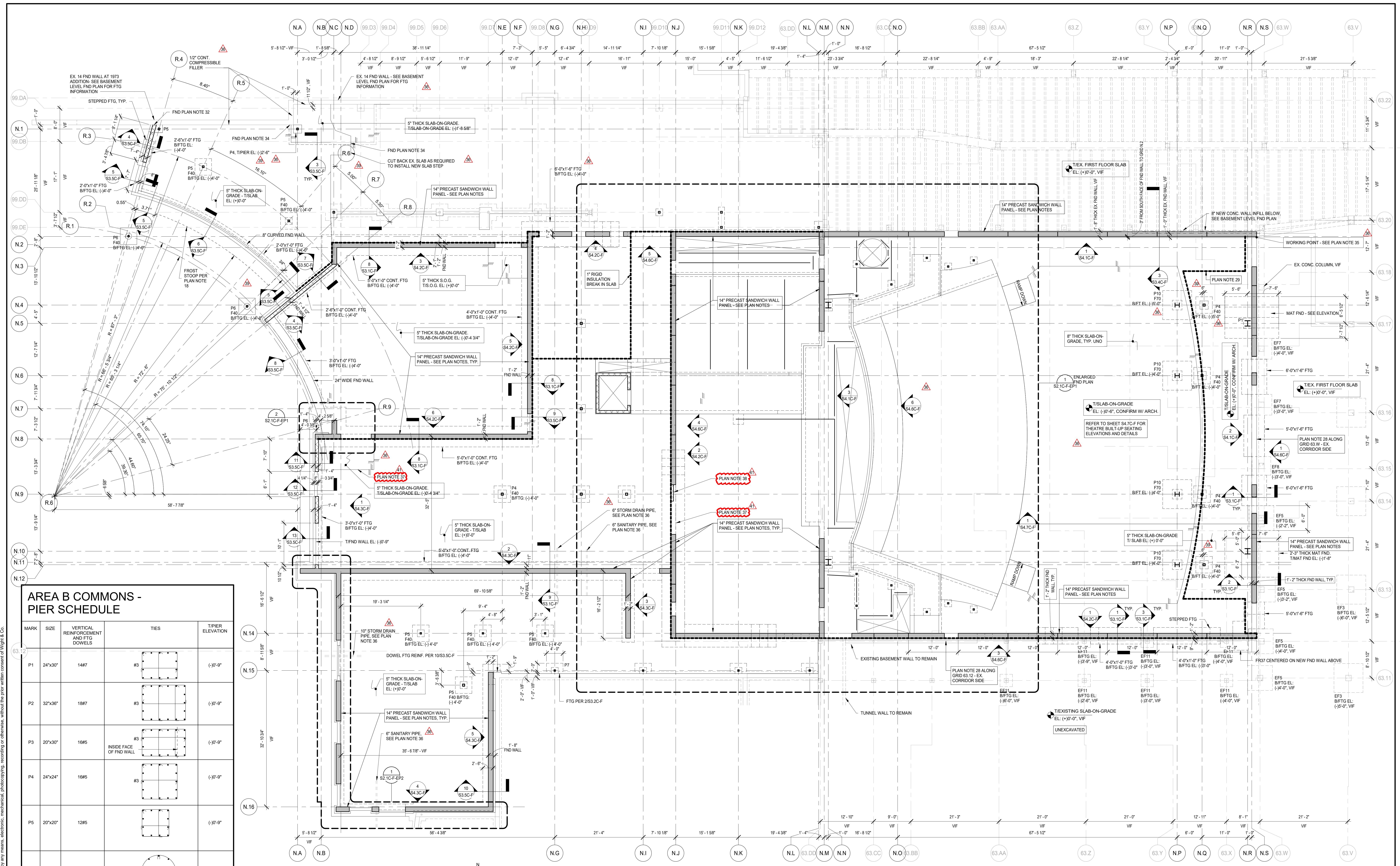
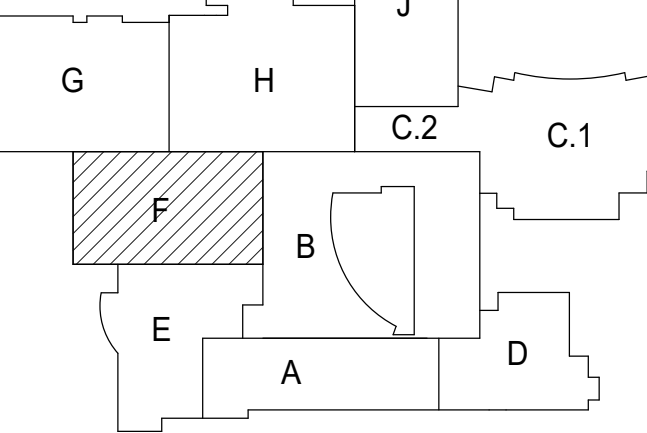
MARK	SIZE (VF)	BOTTOM REINFORCEMENT
EF11	6'-3"x6'-3"x1'-3"	-
EF12	6'-0"x6'-0"x1'-0"	-
EF13	6'-0"x6'-0"x1'-0"	-
EF14	5'-6"x5'-6"x1'-0"	-
EF15	7'-0"x7'-0"x1'-4"	-
EF16	6'-6"x6'-6"x1'-4"	-
EF17	3'-0"x3'-0"x1'-0"	-
EF18	4'-0"x4'-0"x1'-0"	-
EF19	5'-0"x5'-0"x1'-0"	-

**BASEMENT LEVEL FOUNDATION PLAN - AREA F**  
SCALE: 1/8" = 1'-0"

**PLAN NOTES**

- SEE S0 SERIES DRAWINGS FOR GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND LINTEL SCHEDULES AND MATERIAL ALLOWANCES.
- SEE S1 SERIES DRAWINGS FOR TYPICAL SECTIONS AND DETAILS.
- SEE S3 SERIES DRAWINGS FOR NON-TYPICAL SECTIONS AND DETAILS.
- SEE S4 SERIES DRAWINGS FOR ELEVATIONS.
- SEE S5 SERIES DRAWINGS FOR SCHEDULES.
- CENTERLINE OF SPREAD FOOTING IS ON GRIDLINE, TYPICAL UNLESS NOTED OTHERWISE.
- SEE S11C FOR TYPICAL SPREAD FOOTING DETAIL AND SPREAD FOOTING SCHEDULE.
- SEE S2.0C-F AND S2.1C-F FOR CONCRETE PIER SCHEDULE.
- ESTABLISH BOTTOM OF FOOTINGS IN STRUTUM AS INDICATED. ELEVATIONS GIVEN ARE FOR BIDDING/ESTIMATING PURPOSES ONLY. ON-SITE INSPECTION OF FOUNDATION BEARING STRATA SHALL BE CONDUCTED DURING CONSTRUCTION BY A QUALIFIED GEOTECHNICAL ENGINEER.
- CENTERLINE OF COLUMN IS ON GRIDLINE. TYPICAL UNLESS NOTED OTHERWISE.
- SEE PLANS FOR COLUMN ORIENTATION AND COLUMN CENTERLINE TO GRIDLINE DIMENSIONS FOR CORSET COLUMNS.
- UNLESS NOTED OTHERWISE ON FOUNDATION PLANS, SLAB-ON-GRADE SHALL BE 8" THICK CONCRETE SLAB OVER PREPARED SUBGRADE. REINFORCE WITH #4@8" O.C. VD. OF STRUX 9040 MACROSYNTHETIC FIBERS OR EQUIVALENT.
- SLAB-ON-GRADE UNDER AUDITORIUM BUILT-UP COLD-FORMED METAL FRAMING SEATING SHALL BE 8" THICK CONCRETE SLAB OVER PREPARED SUBGRADE. REINFORCE WITH #4@8" O.C. VD. OF STRUX 9040 MACROSYNTHETIC FIBERS OR EQUIVALENT.
- PROVIDE THICKENED SLAB AND DOWELS TO CMU WALLS (IN GROUTED CELLS) AT SLAB-ON-GRADE IN ACCORDANCE WITH TYPICAL SECTIONS AND DETAILS. SEE ARCHITECTURAL DRAWINGS FOR CMU WALL SIZE, LOCATION, REINFORCEMENT, TOP-OF-WALL CONNECTION AND CURB, IF ANY.
- SEE ARCHITECTURAL DRAWINGS FOR CURBS NOT INDICATED (SIZE AND LOCATION). SEE TYPICAL SECTIONS AND DETAILS FOR CURB REINFORCEMENT.
- SEE TYPICAL DETAILS FOR ELECTRICAL GROUNDING DETAIL AND REQUIREMENTS FOR A CONCRETE ENCASED GROUNDING ELECTRODE. COORDINATE WITH ELECTRICAL CONTRACTOR.
- FROST STOP SHALL CONSIST OF STONE FILL FREE DRAINING MATERIAL, DOWN TO 4'-0" BELOW FINISH GRADE, TYP. SEE ARCH. DRAWINGS FOR PROPER LOCATION OF COMPRESSIBLE 1/2" THICK JOINT FILLER BETWEEN THE INTERIOR SLAB-ON-GRADE AND THE EXTERIOR FLATWORK, WHERE APPLICABLE, TYP.
- PROVIDE CONTROL JOINTS IN THE SLAB-ON-GRADE AT COLUMN CENTERLINES AND 12' CTS MAX AT REMAINDER. SEE TYPICAL DETAILS 18 AND 14 ON S11C FOR CONTROL JOINT AND COLUMN ISOLATION JOINT DETAILS.
- EXTERIOR BACKUP CMU WALLS SHALL BE 10" THICK WITH #6@8" VERTICAL REINFORCEMENT IN SOLID GROUTED CELLS PLUS MATCHING DOWELS x 3'-0" CONC. EMBED.
- BASED FOOTINGS ADJACENT TO EXISTING FOUNDATIONS SHALL MATCH THE BOTTOM OF THE EXISTING FOUNDATIONS. SEE PLAN, VF.
- T&N WALL E.L. (+10'-0") TYP. UNO.
- T&N WALL ELEVATION AT DOOR SHALL BE 9" BELOW T&N SLAB-ON-GRADE, TYP. UNO.
- \*\* INDICATES DIMENSIONS TO BE COORDINATED WITH ELEVATOR MANUFACTURER.
- SEE BASEMENT LEVEL FOUNDATION PLAN FOR WALL THICKNESSES.
- ALL WALL PANELS ARE 14" THICK REINFORCED PRECAST SANDWICH WALLS PANELS WITH 4" INSULATION CENTERED ON THE PANEL. SEE ARCHITECTURE DRAWINGS FOR WALL PANEL WIDTHS, JOINT LOCATIONS AND REVEAL LOCATIONS, TYP. WALL PANELS BEAR ON 14" THICK FOUNDATION WALL, TYP. UNO.
- MEPPF INSTALLING CONTRACTOR(S) SHALL SUBMIT EXISTING ELEVATED FLOOR PLANS INDICATING ALL MEPPF FLOOR PENETRATION SIZES AND LOCATIONS FOR EOR REVIEW. EOR APPROVAL IS REQUIRED PRIOR TO THE START OF COING ACTIVITIES. COORDINATE THE TIMING OF THE SUBMITTAL ACCORDINGLY.
- REMOVE EXISTING SLAB-ON-GRADE AS REQUIRED TO INSTALL NEW FOUNDATIONS. REPLACE THE SLAB-ON-GRADE IN KIND, PER TYPICAL DETAILS.
- 1" RIGID INSULATION BREAK IN SLAB (FULL DEPTH) - SEE ARCH. FOR LOCATION. PROVIDE THICKENED SLAB ON BOTH SIDES OF BREAK.
- BACKFILL SHALL BE COMPLETED OVER THE HATCHED PORTION OF THE MAT FOUNDATION FROM BASEMENT LEVEL TO LEVEL 1, PRIOR TO THE PRECAST ERECTION TAKING PLACE.

- 3 1/2" NWY CONCRETE ON 9/16" (24 GA.) METAL FORM DECK OVER CPMF JOIST FRAMING OVER OPEN DUCT SHAFT OVER S' SLAB-ON-GRADE. UPPER CONCRETE TOPPING SHALL BE 4" TOTAL THICKNESS. REINFORCE UPPER CONCRETE TOPPING WITH #4@8" O.C. VD. OF STRUX 9040 MACROSYNTHETIC FIBERS OR EQUIV. FASTEN WITH #12 TIE BARS AT 12" O.C. TO CPMF JOISTS. COLD-FORMED METAL FRAMING (CMF) JOISTS SHALL BE DESIGNED AND DETAILED BY OTHERS. DESIGN CPMF FOR SELF WEIGHT OF THE SLAB, SUPERIMPOSED DEAD LOAD OF 20 PSF AND LIVE LOAD OF 100 PSF.
- DRILL & EPOXY GROUT HORIZONTAL WALL AND WALL FOOTING REINFORCEMENT INTO EXISTING FOUNDATION WITH 3" MIN. EMBED.
- DRILL & EPOXY GROUT HORIZONTAL WALL AND WALL FOOTING REINFORCEMENT INTO EXISTING FOUNDATION WITH 9" MIN. EMBED.
- DRILL & EPOXY GROUT HORIZONTAL WALL REINFORCEMENT INTO EXISTING FOUNDATION WITH 3" MIN. EMBED.
- WORKING POINT SHALL BE LOCATED AS FOLLOWS:  
- AT THE SOUTH FACE OF THE EXISTING NORTH FOUNDATION WALL  
- 3" WEST OF THE SPECIFIED DEMOLITION LINE  
- DEMOLITION LINE SHALL BE LOCATED 3" WEST OF THE WESTERN FACE OF THE EXISTING COLUMN ON GRID 63.W
- UNDERGROUND PIPING IS CROSSING WALL FOOTINGS. SEE PLUMBING DRAWINGS FOR PIPE LOCATIONS AND INVERT ELEVATIONS. DETAIL THE WALL FOOTING AT PIPE LOCATION PER TYPICAL DETAIL 481-1C, TYPICAL PIPE THROUGH CONT. FOOTING DETAILS.
- PROVIDE MASONRY STEEL THRESHOLD PLATES SHALL BE LOCATED IN THE SLAB AT ARCHITECTURAL DRAWINGS. SEE THE STAGE FLOOR FLUSH TRANSITION DETAIL 11A10.10 FOR ADDITIONAL INFORMATION.
- 8" CMU INTEL. REIN. WITH #6@8" VERT. PROVIDE MATCHING MASONRY DOWELS x 3'-0" DRILL & EPOXY GROUT DOWELS INTO FND WALL BELOW WITH 3" EMBED. BRACE TOP OF CMU WALL TO PRECAST ABOVE USING 3/8"x4"x12" PLATES (LONG SIDE VERTICAL) AT 24" ANCHOR PLATE TO BOTH CMU AND PRECAST USING 1/2" DIA. x 4" EMBED ADHESIVE ANCHORS (2 ANCHORS PER PLATE, ONE TO CMU AND THE OTHER TO PRECAST).



**AREA B COMMONS - PIER SCHEDULE**

MARK	SIZE	VERTICAL REINFORCEMENT AND FTG DOWELS	TIES	TIE/ELEVATION
P1	24"x30"	14#7	#3	(+0'-0")
P2	32"x36"	18#7	#3	(+0'-0")
P3	20"x30"	16#5	#3	(+0'-0")
P4	24"x24"	16#5	#3	(+0'-0")
P5	20"x20"	12#5	#3	(+0'-0")
P6	18" ROUND	10#5	#3	(+0'-4")
P7	18"x20"	12#5	#3	(+0'-0")
P8	20"x20"	12#5	#3	(+3'-0")
P9	20"x20"	16#5	#3	(+11'-2")
P10	30"x30"	16#7	#3	(+11'-3")
P11	24"x34"	18#7	#3	(+11'-3")

**1 LEVEL 1 FOUNDATION PLAN - AREA F**  
SCALE: 1/8" = 1'-0"

- PLAN NOTES**
- SEE S0 SERIES DRAWINGS FOR GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND LINEL SCHEDULES AND MATERIAL ALLOWANCES.
  - SEE S1 SERIES DRAWINGS FOR TYPICAL SECTIONS AND DETAILS.
  - SEE S3 SERIES DRAWINGS FOR NON-TYPICAL SECTIONS AND DETAILS.
  - SEE S4 SERIES DRAWINGS FOR ELEVATIONS.
  - SEE S5 SERIES DRAWINGS FOR SCHEDULES.
  - CENTERLINE OF SPREAD FOOTING IS ON GRDLINE, TYPICAL UNLESS NOTED OTHERWISE.
  - SEE S11-C FOR TYPICAL SPREAD FOOTING DETAIL AND SPREAD FOOTING SCHEDULE.
  - SEE S2-0C-F AND S2.1C-F FOR CONCRETE PIER SCHEDULE.
  - ESTABLISH BOTTOM OF FOOTINGS IN STRUTUM AS INDICATED. ELEVATIONS GIVEN ARE FOR BIDDING/ESTIMATING PURPOSES ONLY. ON-SITE INSPECTION OF FOUNDATION BEARING STRATA SHALL BE CONDUCTED DURING CONSTRUCTION BY A QUALIFIED GEOTECHNICAL ENGINEER.
  - CENTERLINE OF COLUMN IS ON GRDLINE, TYPICAL UNLESS NOTED OTHERWISE.
  - SEE PLANS FOR COLUMN ORIENTATION AND COLUMN CENTERLINE TO GRIDLINE DIMENSIONS FOR OFFSET COLUMNS.
  - SEE PLANS FOR TOP OF ROUGH SLAB ELEVATION.
  - UNLESS NOTED OTHERWISE ON FOUNDATION PLANS, SLAB-ON-GRADE SHALL BE 5" THICK CONCRETE SLAB OVER PREPARED SUBGRADE. REINFORCE WITH 4 LBS/CY YD. OF STRUX 9040 MACROSYNTHETIC FIBERS OR EQUIVALENT.
  - SLAB-ON-GRADE UNDER AUDITORIUM BUILT-UP COLD-FORMED METAL FRAMING SEATING SHALL BE 9" THICK CONCRETE SLAB OVER PREPARED SUBGRADE. REINFORCE WITH 4 LBS/CY YD. OF STRUX 9040 MACROSYNTHETIC FIBERS OR EQUIVALENT.
  - PROVIDE THICKENED SLAB AND DOWELS TO CMU WALLS (IN GROUTED CELLS) AT SLAB-ON-GRADE IN ACCORDANCE WITH TYPICAL SECTIONS AND DETAILS. SEE ARCHITECTURAL DRAWINGS FOR CMU WALL SIZE, LOCATION, REINFORCEMENT, TOP-OF-WALL CONNECTION AND CURB, IF ANY.
  - SEE ARCHITECTURAL DRAWINGS FOR CURBS NOT INDICATED (SIZE AND LOCATION). SEE TYPICAL SECTIONS AND DETAILS FOR CURB REINFORCEMENT.

- SEE TYPICAL DETAILS FOR ELECTRICAL GROUNDING DETAIL AND REQUIREMENTS FOR A CONCRETE ENCASED GROUNDING ELECTRODE. COORDINATE WITH ELECTRICAL CONTRACTOR.
- FROST STOP SHALL CONSIST OF STONE FILLED FREE DRAINING MATERIAL, DOWN TO 4'-0" BELOW FINISH GRADE, TYP. SEE ARCH. DRAWINGS FOR PROPER LOCATION OF COMPRESSIBLE 1/2" THICK JOINT FILLER BETWEEN THE INTERIOR SLAB-ON-GRADE AND THE EXTERIOR FLATWORK, WHERE APPLICABLE, TYP.
- PROVIDE CONTROL JOINTS IN THE SLAB-ON-GRADE AT COLUMN CENTERLINES AND 12' CTS MAX AT REMAINDER. SEE TYPICAL DETAILS 10 AND 14 ON S1.1C FOR CONTROL, JOINT AND COLUMN ISOLATION JOINT DETAILS.
- EXTERIOR BACKUP CMU WALLS SHALL BE 10" THICK WITH #5@48" VERTICAL REINFORCEMENT IN SOLID GROUTED CELLS PLUS MATCHING DOWELS x 5'-0" (2'-0" CONC. EMBED).
- BNEW FOOTINGS ADJACENT TO EXISTING FOUNDATIONS SHALL MATCH THE BOTTOM OF THE EXISTING FOUNDATIONS. SEE PLAN, VIF.
- TIFND WALL ELEVATION AT DOOR SHALL BE 9" BELOW TSLAB-ON-GRADE, TYP. UNO
- \*\* INDICATES DIMENSIONS TO BE COORDINATED WITH ELEVATOR MANUFACTURER.
- SEE BASEMENT LEVEL FOUNDATION PLAN FOR WALL THICKNESSES.
- ALL WALL PANELS ARE 14" THICK REINFORCED PRECAST SANDWICH WALLS PANELS WITH 4" INSULATION CENTERED ON THE PANEL. SEE ARCHITECTURE DRAWINGS FOR WALL PANEL WIDTHS, JOINT LOCATIONS AND REVEAL LOCATIONS. TYP. WALL PANELS BEAR ON 14" THICK FOUNDATION WALL, TYP. UNO
- MEFPF INSTALLING CONTRACTOR(S) SHALL SUBMIT EXISTING ELEVATED FLOOR PLANS INDICATING ALL MEFPF FLOOR PENETRATIONS SIZES AND LOCATIONS FOR EOR REVIEW. EOR APPROVAL IS REQUIRED PRIOR TO THE START OF CORING ACTIVITIES. COORDINATE THE TINGING OF THE SUBMITTAL ACCORDINGLY.
- REMOVE EXISTING SLAB-ON-GRADE AS REQUIRED TO INSTALL NEW FOUNDATIONS. REPLACE THE SLAB-ON-GRADE IN KIND, PER TYPICAL DETAILS.
- 1" RIGID INSULATION BREAK IN SLAB (FULL DEPTH) - SEE ARCH FOR LOCATION. PROVIDE THICKENED SLAB ON BOTH SIDES OF BREAK.
- BACKFILL SHALL BE COMPLETED OVER THE HATCHED PORTION OF THE MAT FOUNDATION FROM BASEMENT LEVEL TO LEVEL 1, PRIOR TO THE PRECAST ERECTION TAKING PLACE.

- 3 1/2" NMT CONCRETE ON 6/16" (24 GA) METAL FORM DECK OVER CMF JOIST FRAMING OVER OPEN DUCT SHAFT OVER 8" SLAB-ON-GRADE. UPPER CONCRETE TOPPING SHALL BE 4" TOTAL THICKNESS. REINFORCE UPPER CONCRETE TOPPING W/ 4 LBS/CY YD. OF STRUX 9040 MACROSYNTHETIC FIBERS OR EQUIV. FASTEN WITH #12 TEK SCREWS AT 12" O.C. TO CMF JOISTS. COLD-FORMED METAL FRAMING (CMF) JOISTS SHALL BE DESIGNED AND DETAIL BY OTHERS. DESIGN CMF FOR SELF WEIGHT OF THE SLAB, SUPERIMPOSED DEAD LOAD OF 20 PSF AND LIVE LOAD OF 100 PSF.
- DRILL & EPOXY GROUT HORIZONTAL WALL AND WALL FOOTING REINFORCEMENT INTO EXISTING FOUNDATION WITH 5" MIN. EMBED.
- DRILL & EPOXY GROUT HORIZONTAL WALL AND WALL FOOTING REINFORCEMENT INTO EXISTING FOUNDATION WITH 5" MIN. EMBED.
- DRILL & EPOXY GROUT HORIZONTAL WALL REINFORCEMENT INTO EXISTING FOUNDATION WITH 5" MIN. EMBED.
- WORKING POINT SHALL BE LOCATED AS FOLLOWS:  
- AT THE SOUTH FACE OF THE EXISTING NORTH FOUNDATION WALL  
- 7' WEST OF THE SPECIFIED DEMOLITION LINE  
- DEMOLITION LINE IS SHALL BE LOCATED 3' WEST OF THE WESTERN FACE OF THE EXISTING COLUMN ON GRID 63.W
- UNDERGROUND PIPING IS CROSSING WALL FOOTINGS. SEE PLUMBING DRAWINGS FOR PIPE LOCATIONS AND INVERT ELEVATIONS. DETAIL THE WALL FOOTING AT PIPE LOCATION PER TYPICAL DETAIL 451.1C, TYPICAL PIPE THROUGH JOINT FOOTING DETAILS.
- PROVIDE MISCELLANEOUS STEEL PLATES AT THRESHOLD. PLATES SHALL BE LOCATED IN THE SLAB PER ARCHITECTURAL DRAWINGS. SEE THE STAGE FLOOR FINISH TRANSITION DETAIL, 11A10, FOR ADDITIONAL INFORMATION.
- 8" CMU INFILL REIN. W/ #4@48" VERT. PROVIDE MATCHING MASONRY DOWELS x 3'-0" DRILL & EPOXY GROUT DOWELS INTO FND WALL BELOW W/ 3" EMBED. BRACE TOP OF CMU WALL TO PRECAST ABOVE USING 3/8"x1/2" LATES (LONG SIDE VERTICAL) AT 24". ANCHOR PLATE TO BOTH CMU AND PRECAST USING 1/2" DIA x 4" EMBED ADHESIVE ANCHORS (2 ANCHORS PER PLATE, ONE TO CMU AND THE OTHER TO PRECAST).

**NOT FOR CONSTRUCTION**



**NOT FOR CONSTRUCTION**

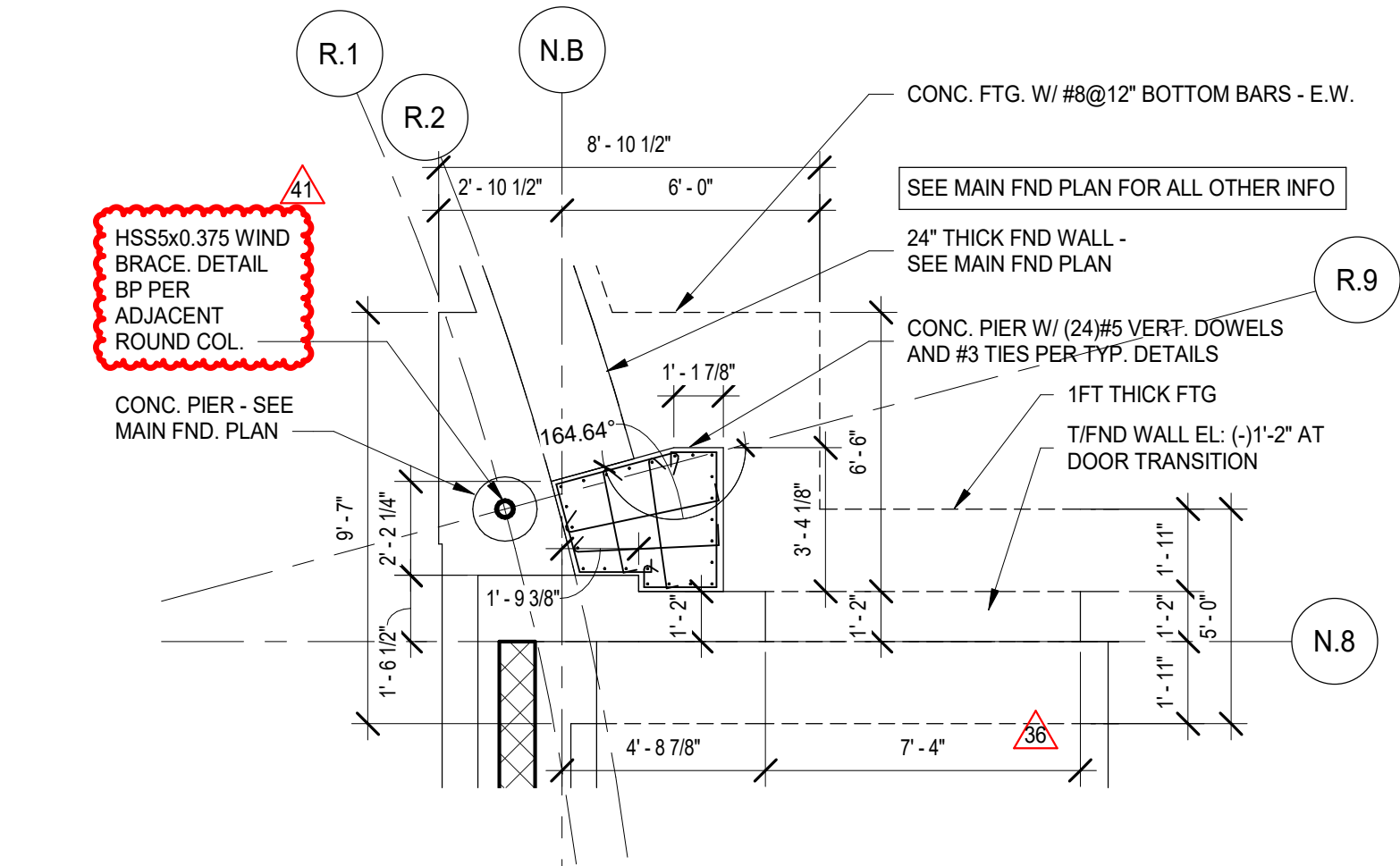
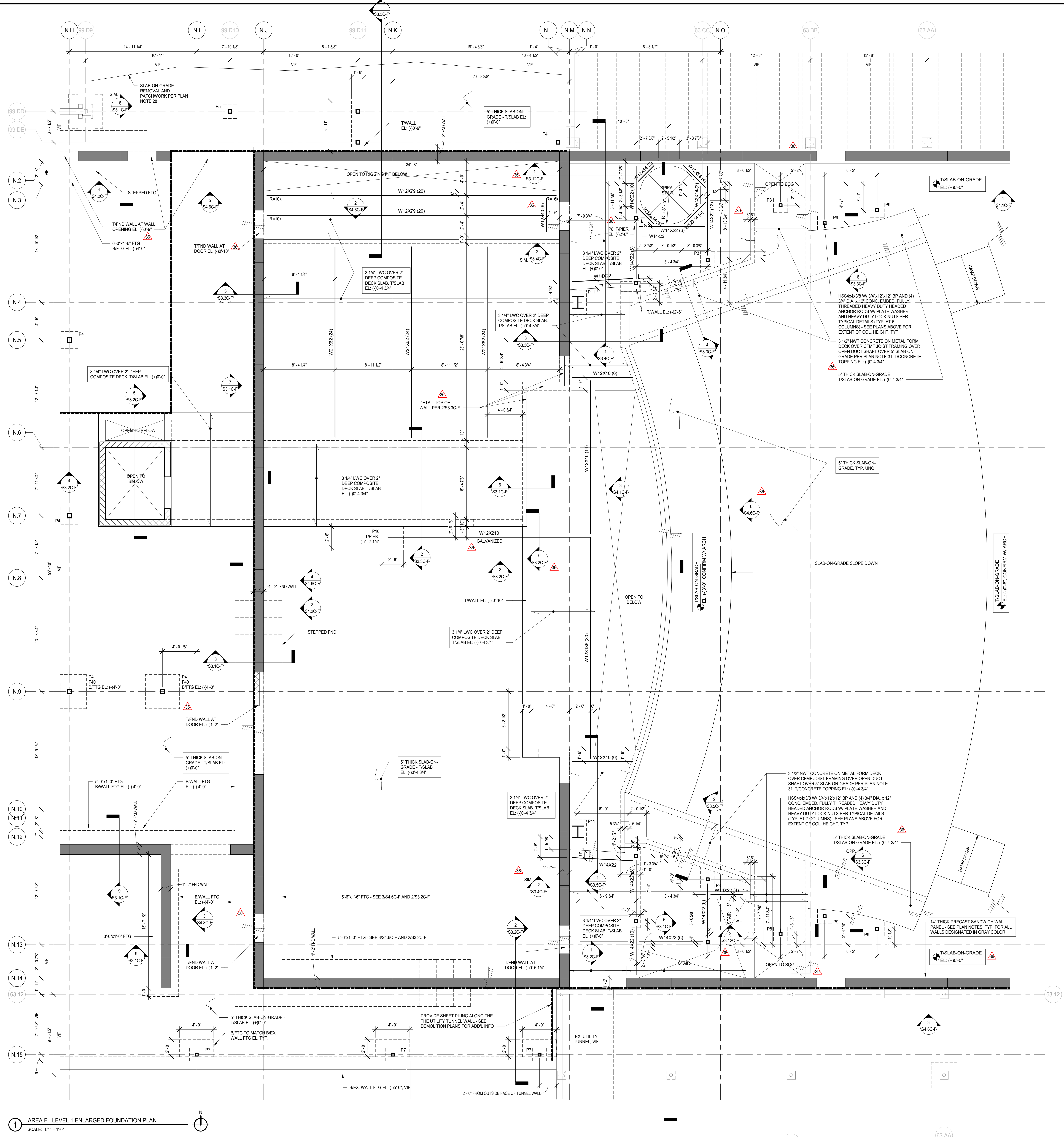
**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**ENLARGED FOUNDATION PLANS**

Project Number:  
5274-42  
Drawn By:  
J.G.  
Sheet:

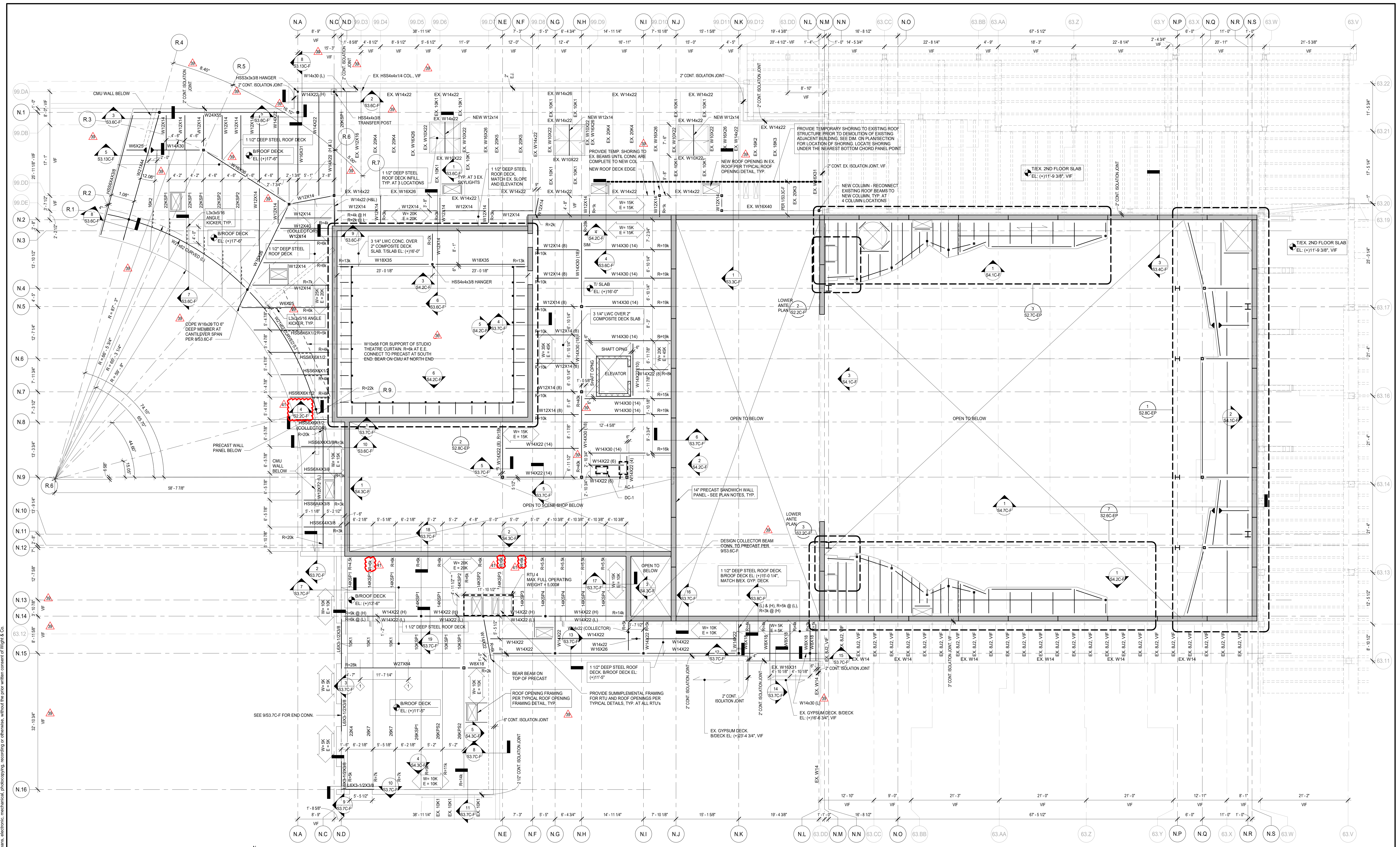
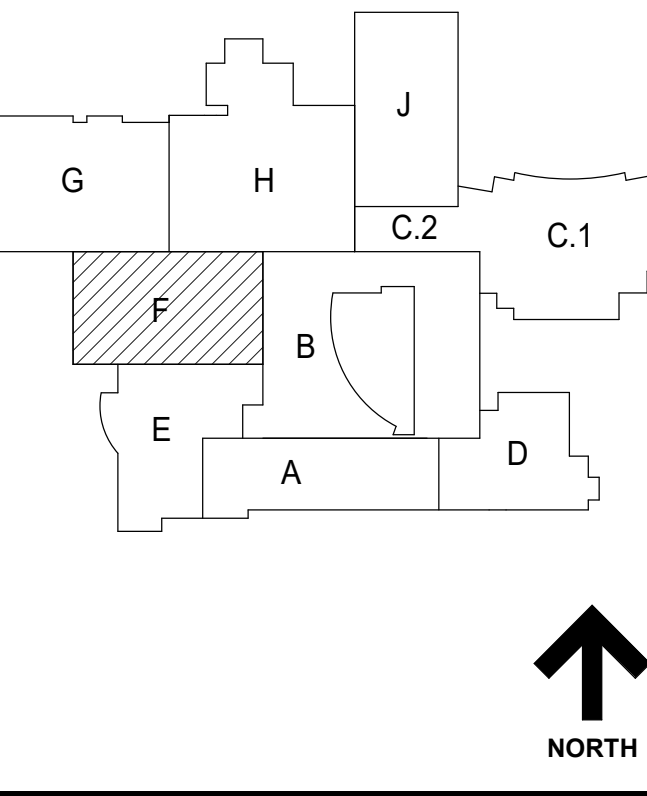
**S2.1C-F-EP1**



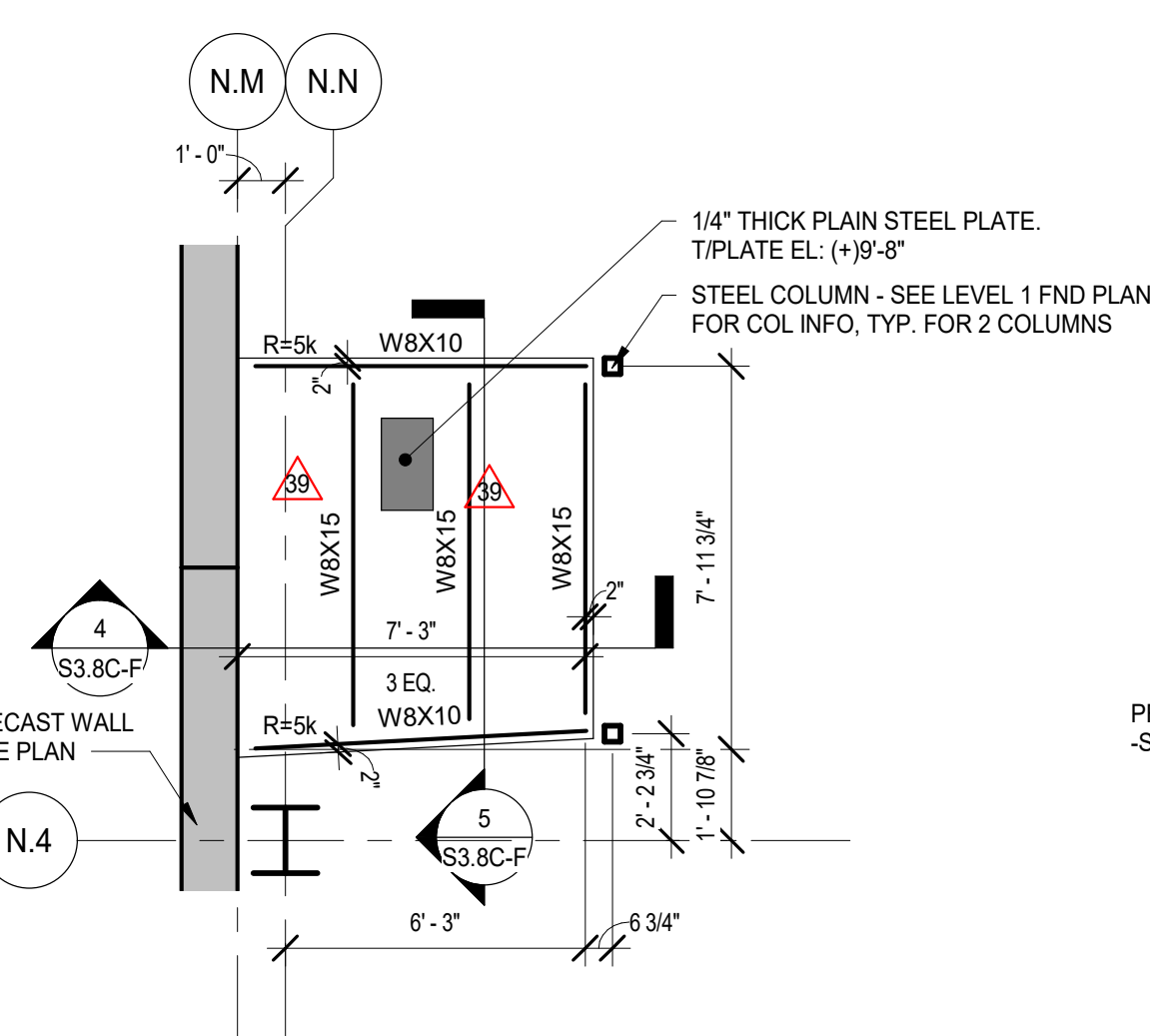
2 ENLARGED FOUNDATION PLAN  
SCALE: 1/4" = 1'-0"

1 AREA F - LEVEL 1 ENLARGED FOUNDATION PLAN  
SCALE: 1/4" = 1'-0"

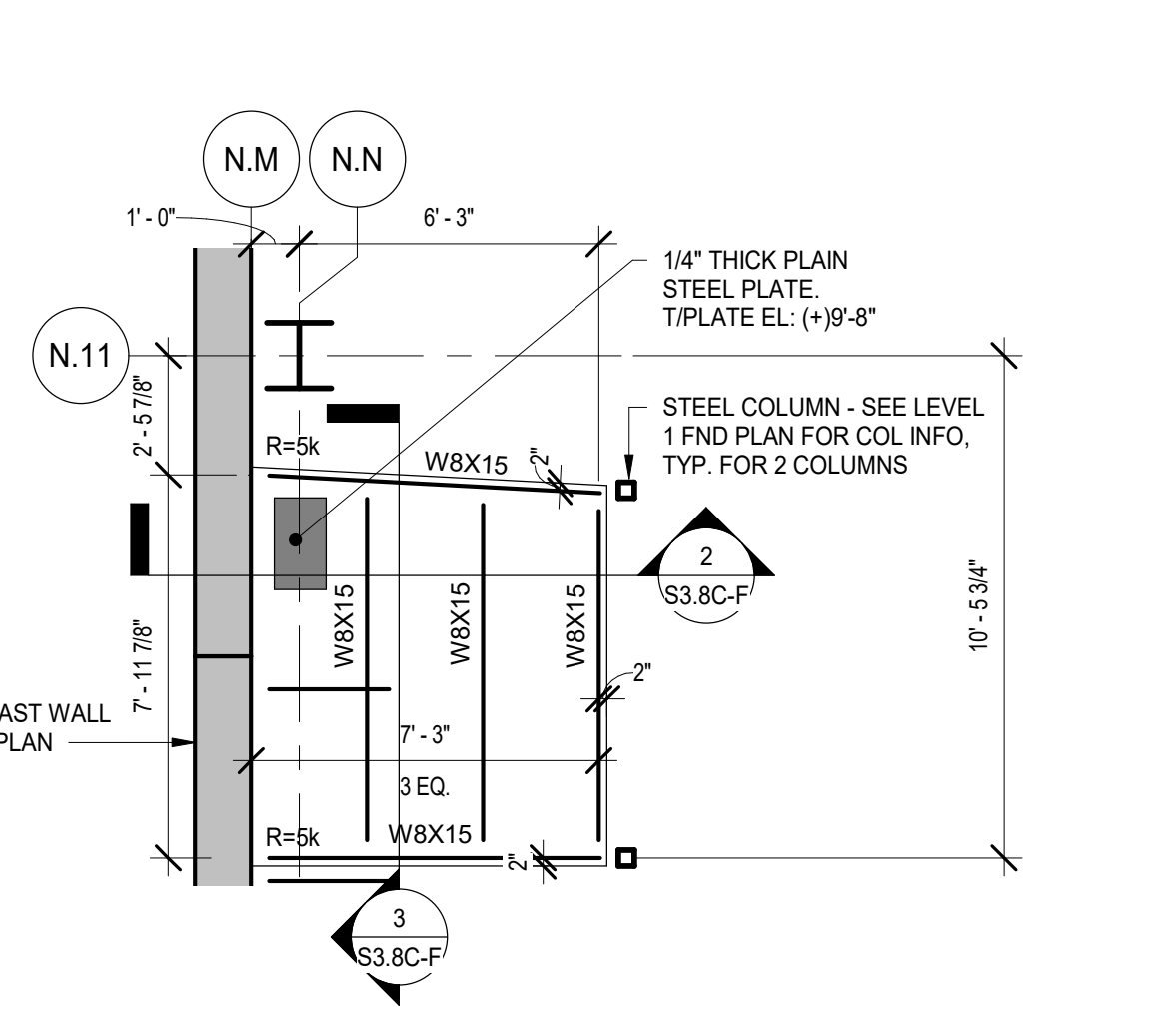
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1 LEVEL 2/LOW ROOF FRAMING PLAN - AREA F  
SCALE: 1/8" = 1'-0"



2 ENLARGED LOWER ANTE PLAN  
SCALE: 1/4" = 1'-0"

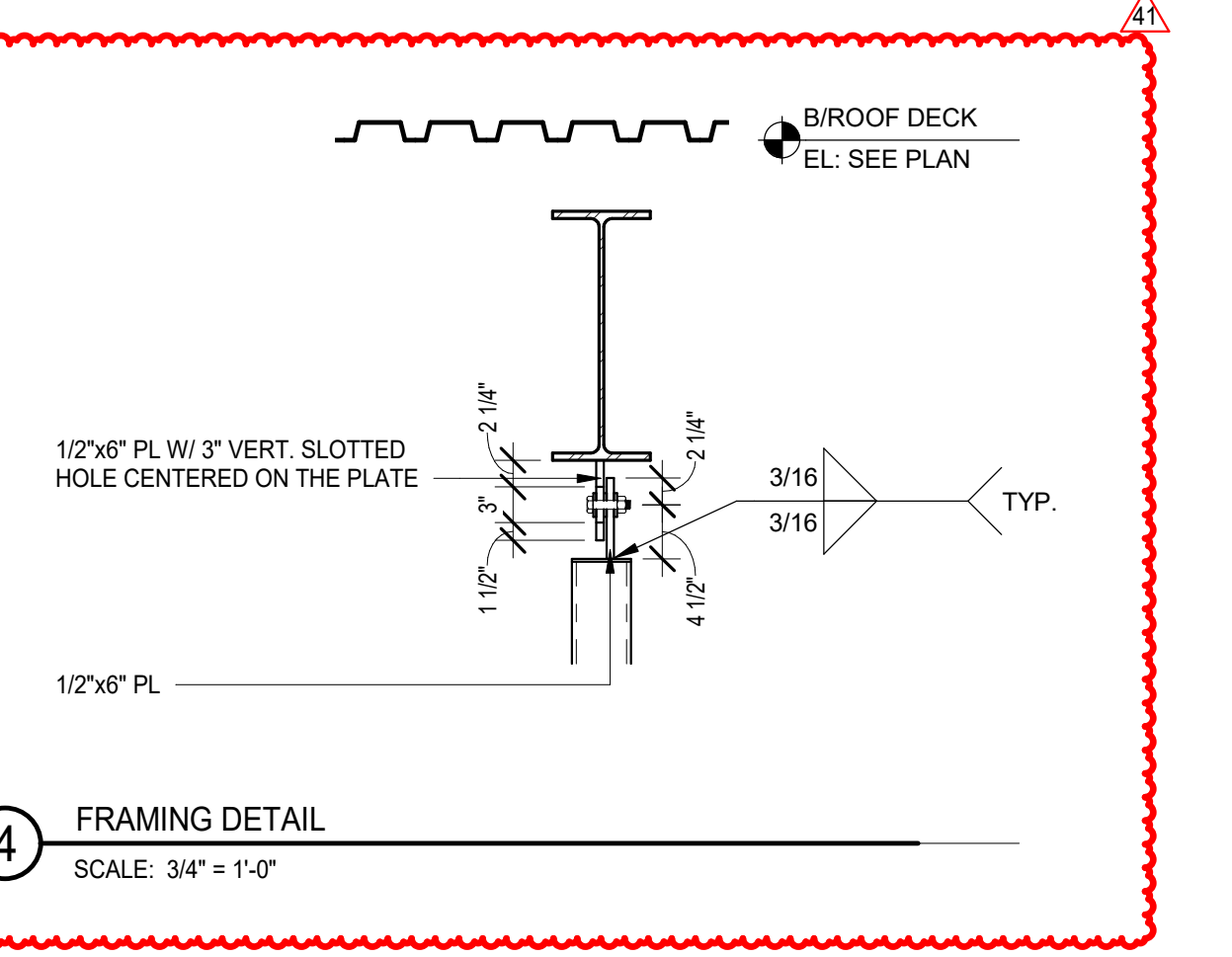


3 ENLARGED LOWER ANTE PLAN  
SCALE: 1/4" = 1'-0"

- PLAN NOTES**
- SEE 90 SERIES DRAWINGS FOR GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND LINTEL SCHEDULES.
  - SEE S1 SERIES DRAWINGS FOR TYPICAL SECTIONS AND DETAILS.
  - SEE S3 SERIES DRAWINGS FOR NON-TYPICAL SECTIONS AND DETAILS.
  - SEE S4 SERIES DRAWINGS FOR ELEVATIONS AND S5 SERIES FOR SCHEDULES.
  - CENTERLINE OF COLUMN IS ON GRIDLINE. TYPICAL UNLESS NOTED OTHERWISE.
  - SEE PLANS FOR COLUMN ORIENTATION AND COLUMN CENTERLINE TO GRIDLINE DIMENSIONS FOR OFFSET COLUMNS.
  - SEE PLANS FOR TOP OF ROUGH SLAB ELEVATION.
  - (H) AS INDICATED ON PLAN INDICATES HIGHER BEAM OF FRAMING MEMBERS IN SAME VERTICAL PLANE.
  - (L) AS INDICATED ON PLAN INDICATES LOWER BEAM OF FRAMING MEMBERS IN SAME VERTICAL PLANE.
  - SEE ARCHITECTURAL DRAWINGS FOR CURBS NOT INDICATED (SIZE AND LOCATION). SEE TYPICAL SECTIONS AND DETAILS FOR CURB REINFORCEMENT.
  - AT ELEVATED FLOOR LEVELS, FLOOR DECK SHALL BE 3" THICK LIGHTWEIGHT CONCRETE OVER 2" DEEP COMPOSITE STEEL FLOOR DECK, UNLESS NOTED OTHERWISE. REINFORCE SLAB WITH 4 @ 18" O.C. OF ST10X10 MACROSYNTHETIC FIBER REINFORCEMENT OR EQUIVALENT. TYP. LINO.
  - OTHERWISE, FLOOR DECK SHALL BE 4" NORMAL WEIGHT CONCRETE OVER 2" DEEP NON-COMPOSITE STEEL FLOOR DECK, REINFORCE SLAB WITH 4@12" O.C. OF ST10X10 MACROSYNTHETIC FIBER REINFORCEMENT. SUBSTITUTES ARE NOT PERMITTED FOR THE WELDED WIRE REINFORCEMENT.
  - SEE PLAN FOR BOTTOM OF STEEL DECK ELEVATIONS. TYPICAL UNLESS NOTED OTHERWISE.
  - STUDIO THEATRE ROOF, AUDITORIUM ROOF AND FLY GALLERY ROOF SHALL CONSIST OF FLOOR DECK OR 3" THICK NORMAL WEIGHT CONCRETE OVER 2" DEEP COMPOSITE STEEL FLOOR DECK. REINFORCE SLAB WITH 4 @ 18" O.C. OF ST10X10 MACROSYNTHETIC FIBER REINFORCEMENT OR EQUIVALENT.

- OTHERWISE, ROOF DECK SHALL BE 1 1/2" DEEP STEEL ROOF DECK.
- PROVIDE A HANGER CONNECTION AT EACH W24 STUDIO THEATRE ROOF BEAM FOR THE SUPPORT OF W8X31 RIGGING BEAM. TYP. AT ALL W8X31 RIGGING BEAMS. DESIGN HANGER CONNECTION FOR SERVICE LEVEL VERTICAL END REACTION = 3 KIPS.
- PROVIDE 1/2" X 1/2" X 1/2" STEEL ANGLE OR BENT PLATE AT ROOF PERIMETER AND AT INTERIOR OPENINGS IN ACCORDANCE WITH TYPICAL DETAILS.
- SEE S4-C-F AND S4-C-F FOR ROOF TRUSS AND SPECIAL DESIGN JOIST SCHEMATIC LOADINGS.
- SUSPEND PIPE HANGERS AND OTHER MECHANICAL EQUIPMENT FROM DESIGNATED OR APPROVED STEEL JOISTS. LOCATE CONCENTRATED LOADS AT JOIST PANEL POINTS ONLY OR REINFORCE STEEL JOISTS IN ACCORDANCE WITH TYPICAL SECTIONS AND DETAILS.
- PLACE SUPPORTS FOR ROOF TOP EQUIPMENT LOADS ON DESIGNATED OR APPROVED STEEL JOISTS. LOCATE CONCENTRATED LOADS AT JOIST PANEL POINTS ONLY OR REINFORCE STEEL JOISTS IN ACCORDANCE WITH TYPICAL SECTIONS AND DETAILS.
- SEE TYPICAL DETAILS FOR ELECTRICAL GROUNDING DETAIL AND REQUIREMENTS FOR A CONCRETE ENCASED GROUNDING ELECTRODE. COORDINATE WITH ELECTRICAL CONTRACTOR.
- INDICATED DIMENSIONS TO BE COORDINATED WITH EQUIPMENT MANUFACTURER.
- TOTAL HORIZONTAL STRENGTH WIND FORCE (W) AND STRENGTH SEISMIC FORCE (E) FROM THE ROOF FLOOR (DAMPERS) OR ADJACENT WALLS TO BE RESISTED BY THE PRECAST CONCRETE SHEAR WALLS BELOW.
- SUPPORT ALL MEPP EQUIPMENT AND PIPING GREATER THAN 2 INCHES IN DIAMETER DIRECTLY FROM THE DESIGNATED STEEL ROOF JOISTS (TOP CHORDS ONLY) AND STEEL WIDE FLANGED BEAM AND GIRDER FRAMING. DO NOT SUPPORT THE AFORESAID FROM THE STEEL ROOF DECK DIRECTLY. ITEMS SUCH AS LIGHTWEIGHT CEILING AND LIGHTING MAY BE SUPPORTED DIRECTLY FROM THE STEEL ROOF DECK.
- ALL MEPP EQUIPMENT STEEL SUPPORTS SHALL BE COORDINATED WITH THE INSTALLING CONTRACTOR(S). SEE PLANS AND TYPICAL DETAILS FOR STEEL SUPPORT REQUIREMENTS.
- COORDINATE SIZE AND QUANTITY OF ROOF DECK PENETRATIONS WITH MEPP DRAWINGS. TYP. REINFORCE NEW PENETRATIONS IN EXISTING NEW ROOF DECKS PER TYPICAL STRUCTURAL DETAILS.
- MEPP INSTALLING CONTRACTOR(S) SHALL SUBMIT EXISTING ELEVATED FLOOR PLANS INDICATING ALL MEPP FLOOR PENETRATIONS SIZES AND LOCATIONS FOR EOR REVIEW. EOR APPROVAL IS REQUIRED PRIOR TO THE START OF CORING ACTIVITIES. COORDINATE THE TIMING OF SUBMITTAL ACCORDINGLY. LOCATE AND AVOID DAMAGE TO REINFORCEMENT.
- SEE STEEL DECK NOTES ON S0-C-F FOR STEEL DECK ATTACHMENT INFORMATION TO THE SUPPORT STEEL.
- MAXIMUM LIVE LOAD DEFLECTION FOR ELEVATED SLABS @ BUILDING ENVELOPE AND INTERIOR PARTITIONS = 1/8"

- POUR ALL ELEVATED CONCRETE SLABS TO THE SPECIFIED THICKNESS.
- AFTER AUDITORIUM ROOF DECK AND SLAB IS INSTALLED AND CONCRETE ACHIEVES THE SPECIFIED MINIMUM COMPRESSIVE STRENGTH, REMOVE DIAGONAL CROSS BRIDGING AT THIS LOCATION ONLY.
- AT THE NEW ADDITION (EXCLUDING SKYLIGHTS), ALL ROOFS ARE DESIGNED TO SUPPORT A MAXIMUM ALLOWED SUPERIMPOSED DEAD LOAD FROM THE PHOTOVOLTAIC BALLASTED SYSTEM OF 8 PSF PLUS THE ADDITIONAL DOWNWARD WIND PRESSURE FROM THE PHOTOVOLTAIC BALLASTED SYSTEM OF 13 PSF. SYSTEMS OTHER THAN THE PHOTOVOLTAIC BALLASTED ARE NOT PERMITTED.



4 FRAMING DETAIL  
SCALE: 3/4" = 1'-0"

41	ADDENDUM 4 - BGS	12.16.2019
39	ADDENDUM 3 - BGS	12.11.2019
36	ADDENDUM 2 - BGS	12.04.2019
	ISSUED FOR BID GROUP & PHASE C	11.20.2019
	ISSUED FOR 90% CD - PHASE C	11.12.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 25% CD - PHASE C	8.20.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**LEVEL 2 AND LOW ROOF FRAMING PLANS - AREA F**

Project Number:  
5274-42  
Drawn By:  
J.G.  
Sheet:

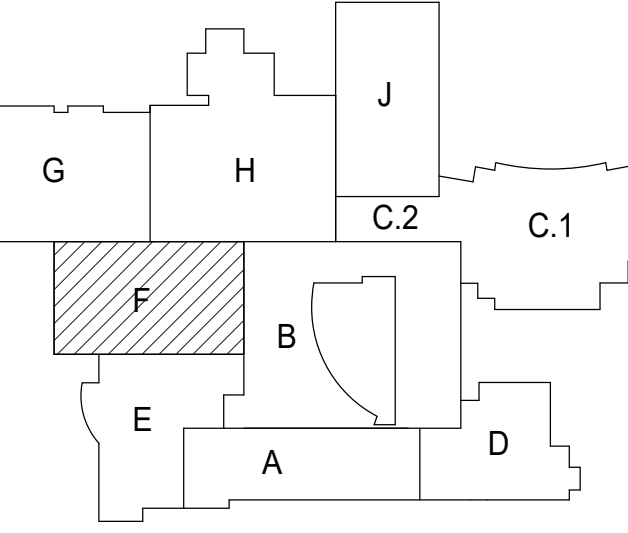
**S2.2C-F**



Owner

# Wight

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**NOT FOR CONSTRUCTION**

41 ADDENDUM 4 - B58 12.16.2019  
39 ADDENDUM 3 - B58 12.11.2019  
ISSUED FOR BID GROUP & PHASE C 11.20.2019  
ISSUED FOR 90% CD - PHASE C 11.12.2019  
ISSUED FOR 75% CD - PHASE C 10.14.2019  
ISSUED FOR 25% CD - PHASE C 8.30.2019

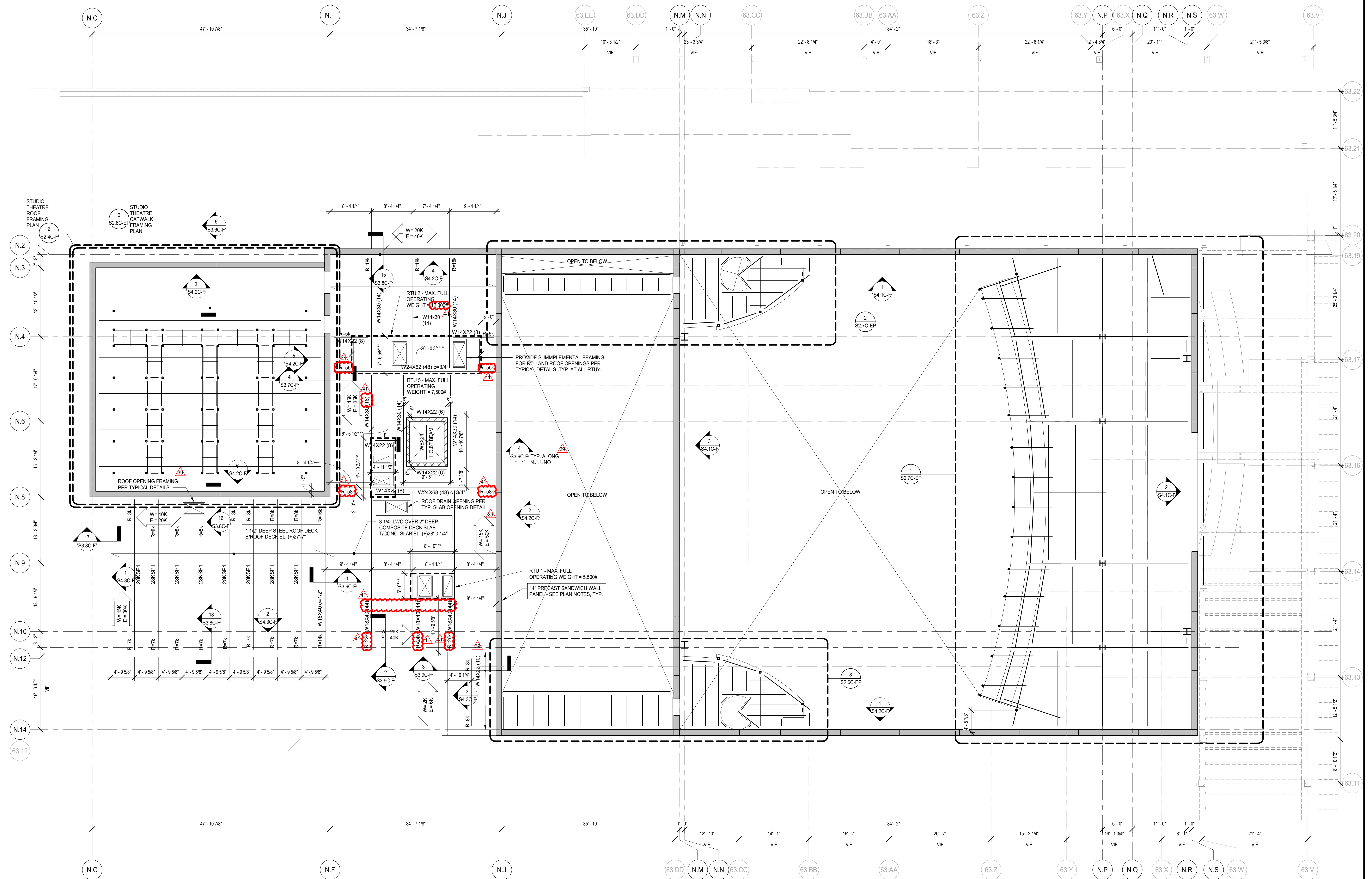
REV ISSUE DATE  
**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**LEVEL 3 FRAMING PLAN - AREA F**

Project Number:  
5274-42  
Drawn By:  
J.G.  
Sheet:

# S2.3C-F



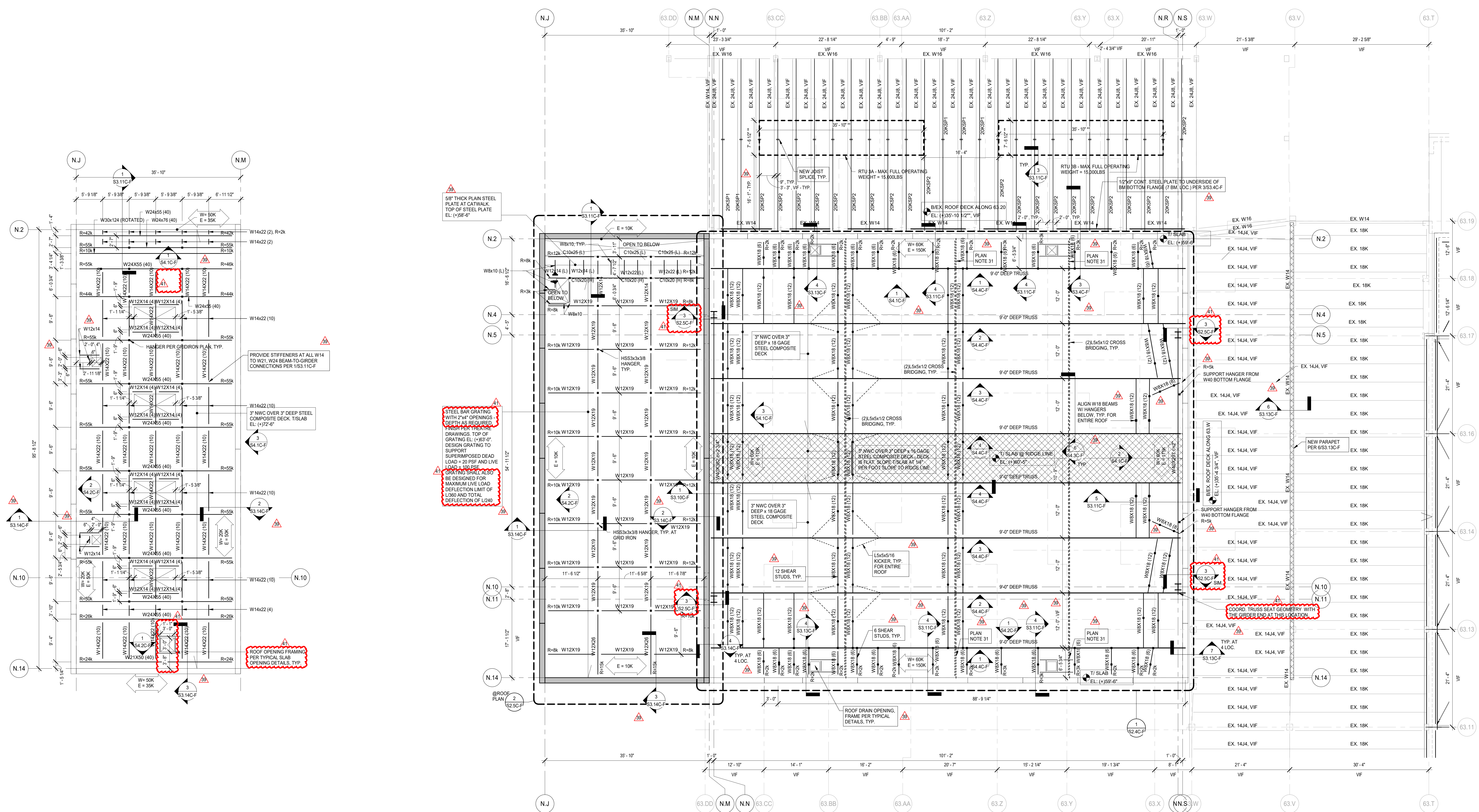
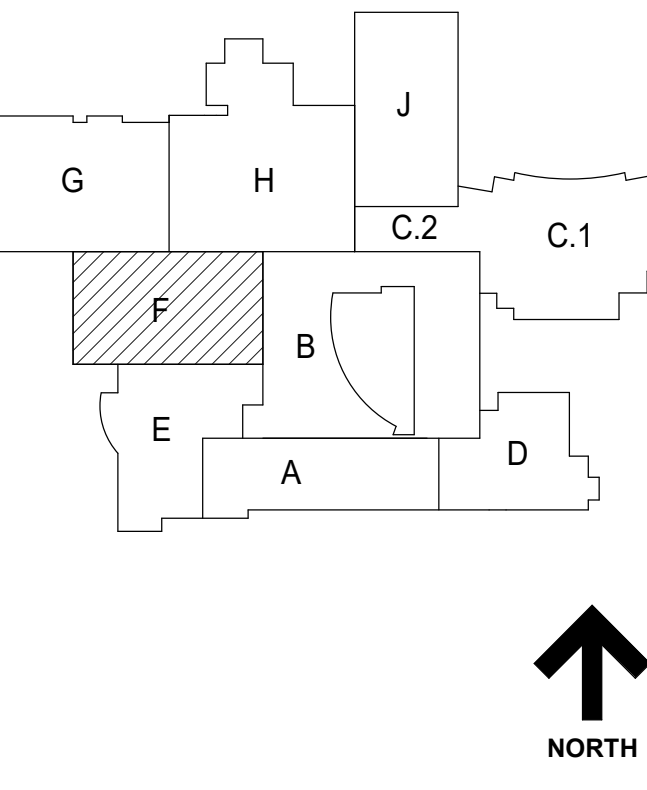
1 LEVEL 3 FRAMING PLAN - AREA F  
SCALE: 1/8" = 1'-0"

- PLAN NOTES**
- SEE S0 SERIES DRAWINGS FOR GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND LINTEL SCHEDULES.
  - SEE S1 SERIES DRAWINGS FOR TYPICAL SECTIONS AND DETAILS.
  - SEE S3 SERIES DRAWINGS FOR NON-TYPICAL SECTIONS AND DETAILS.
  - SEE S4 SERIES DRAWINGS FOR ELEVATIONS AND S5 SERIES FOR SCHEDULES.
  - CENTERLINE OF COLUMN IS ON GRIDLINE. TYPICAL UNLESS NOTED OTHERWISE.
  - SEE PLANS FOR COLUMN ORIENTATION AND COLUMN CENTERLINE TO GRIDLINE DIMENSIONS FOR OFFSET COLUMNS.
  - SEE PLANS FOR TOP OF ROUGH SLAB ELEVATION.
  - (H) AS INDICATED ON PLAN INDICATES HIGHER BEAM OF FRAMING MEMBERS IN SAME VERTICAL PLANE.
  - (L) AS INDICATED ON PLAN INDICATES LOWER BEAM OF FRAMING MEMBERS IN SAME VERTICAL PLANE.
  - SEE ARCHITECTURAL DRAWINGS FOR CURBS NOT INDICATED (SIZE AND LOCATION). SEE TYPICAL SECTIONS AND DETAILS FOR CURB REINFORCEMENT.
  - AT ELEVATED FLOOR LEVELS, FLOOR DECK SHALL BE 3 1/4" THICK LIGHTWEIGHT CONCRETE OVER 2" DEEP COMPOSITE STEEL FLOOR DECK UNLESS NOTED OTHERWISE. REINFORCE SLAB WITH 4.0 LBS/CU YD. OF STRUX 9040 MACROSYNTHETIC FIBER REINFORCEMENT OR EQUIVALENT, TYP. UNO.
  - OTHERWISE, FLOOR DECK SHALL BE 4" NORMAL WEIGHT CONCRETE OVER 2" DEEP NON-COMPOSITE STEEL FLOOR DECK. REINFORCE SLAB WITH 6#-W2 1/2 WELDED WIRE REINFORCEMENT. SUBSTITUTES ARE NOT PERMITTED FOR THE WELDED WIRE REINFORCEMENT.
  - SEE PLAN FOR BOTTOM OF STEEL DECK ELEVATIONS, TYPICAL UNLESS NOTED OTHERWISE.
  - STUDIO THEATRE ROOF, AUDITORIUM ROOF AND FLY GALLERY ROOF SHALL CONSIST OF FLOOR DECK OF 3" THICK NORMAL WEIGHT CONCRETE OVER 3" DEEP COMPOSITE STEEL FLOOR DECK. REINFORCE SLAB WITH 4.0 LBS/CU YD. OF STRUX 9040 MACROSYNTHETIC FIBER REINFORCEMENT OR EQUIVALENT.

- OTHERWISE, ROOF DECK SHALL BE 1 1/2" DEEP STEEL ROOF DECK.
- PROVIDE A HANGER CONNECTION AT EACH W24 STUDIO THEATRE ROOF BEAM FOR THE SUPPORT OF W16(3) RIGGING BEAM, TYP. AT ALL W16(3) RIGGING BEAMS. DESIGN HANGER CONNECTION FOR SERVICE LEVEL, VERTICAL END REACTION = 3 KIPS.
- PROVIDE L6x5/16 STEEL ANGLE OR BENT PLATE AT ROOF PERIMETER AND AT INTERIOR OPENINGS IN ACCORDANCE WITH TYPICAL DETAILS.
- SEE S4.4C-F AND S4.5C-F FOR ROOF TRUSS AND SPECIAL DESIGN JOIST SCHEMATIC LOADINGS.
- SUSPEND PIPE HANGERS AND OTHER MECHANICAL EQUIPMENT FROM DESIGNATED OR APPROVED STEEL JOISTS. LOCATE CONCENTRATED LOADS AT JOIST PANEL POINTS ONLY OR REINFORCE STEEL JOISTS IN ACCORDANCE WITH TYPICAL SECTIONS AND DETAILS.
- PLACE SUPPORTS FOR ROOF TOP EQUIPMENT LOADS ON DESIGNATED OR APPROVED STEEL JOISTS. LOCATE CONCENTRATED LOADS AT JOIST PANEL POINTS ONLY OR REINFORCE STEEL JOISTS IN ACCORDANCE WITH TYPICAL SECTIONS AND DETAILS.
- SEE TYPICAL DETAILS FOR ELECTRICAL GROUNDING DETAIL AND REQUIREMENTS FOR A CONCRETE ENCASED GROUNDING ELECTRODE. COORDINATE WITH ELECTRICAL CONTRACTOR.
- \*\* INDICATES DIMENSIONS TO BE COORDINATED WITH EQUIPMENT MANUFACTURER.
- TOTAL HORIZONTAL STRENGTH WIND FORCE (W) AND STRENGTH SEISMIC FORCE (E) FROM THE ROOF/FLOOR DIAPHRAGM OR ADJACENT WALLS TO BE RESISTED BY THE PRECAST CONCRETE SHEAR WALLS BELOW.  
 $E = wK$
- SUPPORT ALL MEPPF EQUIPMENT AND PIPING GREATER THAN 2 INCHES IN DIAMETER DIRECTLY FROM THE DESIGNATED STEEL ROOF JOISTS (TOP CHORDS ONLY) AND STEEL WIDE FLANGED BEAM AND GIRDER FRAMING. DO NOT SUPPORT THE AFORESAID FROM THE STEEL ROOF DECK DIRECTLY. ITEMS SUCH AS LIGHTWEIGHT CEILING AND LIGHTING MAY BE SUPPORTED DIRECTLY FROM THE STEEL ROOF DECK.
- ALL MEPPF EQUIPMENT STEEL SUPPORTS SHALL BE COORDINATED WITH THE INSTALLING CONTRACTOR(S). SEE PLANS AND TYPICAL DETAILS FOR STEEL SUPPORT REQUIREMENTS.
- COORDINATE SIZE AND QUANTITY OF ROOF DECK PENETRATIONS WITH MEPPF DRAWINGS, TYP. REINFORCE NEW PENETRATIONS IN EXISTING NEW ROOF DECKS PER TYPICAL STRUCTURAL DETAILS.
- MEPPF INSTALLING CONTRACTOR(S) SHALL SUBMIT EXISTING ELEVATED FLOOR PLANS INDICATING ALL MEPPF FLOOR PENETRATIONS SIZES AND LOCATIONS FOR EOR REVIEW. EOR APPROVAL IS REQUIRED PRIOR TO THE START OF CORING ACTIVITIES. COORDINATE THE TIMING OF SUBMITTAL, ACCORDINGLY, LOCATE AND AVOID DAMAGE TO REINFORCEMENT.
- SEE STEEL DECK NOTES ON S0.1C FOR STEEL DECK ATTACHMENT INFORMATION TO THE SUPPORT STEEL.
- MAXIMUM LIVE LOAD DEFLECTION FOR ELEVATED SLABS @ BUILDING ENVELOPE AND INTERIOR PARTITIONS = 1/8"

- POUR ALL ELEVATED CONCRETE SLABS TO THE SPECIFIED THICKNESS.
- AFTER AUDITORIUM ROOF DECK AND SLAB IS INSTALLED AND CONCRETE ACHIEVES THE SPECIFIED MINIMUM COMPRESSIVE STRENGTH, REMOVE DIAGONAL CROSS BRIDGING AT THIS LOCATION ONLY.
- AT THE NEW ADDITION (EXCLUDING SKYLIGHTS), ALL ROOFS ARE DESIGNED TO SUPPORT A MAXIMUM ALLOWED SUPERIMPOSED DEAD LOAD FROM THE PHOTOVOLTAIC BALLASTED SYSTEM OF 8 PSF PLUS THE ADDITIONAL DOWNWARD WIND PRESSURE FROM THE PHOTOVOLTAIC BALLASTED SYSTEM OF 13 PSF. SYSTEMS OTHER THAN THE PHOTOVOLTAIC BALLASTED SYSTEM ARE NOT PERMITTED.

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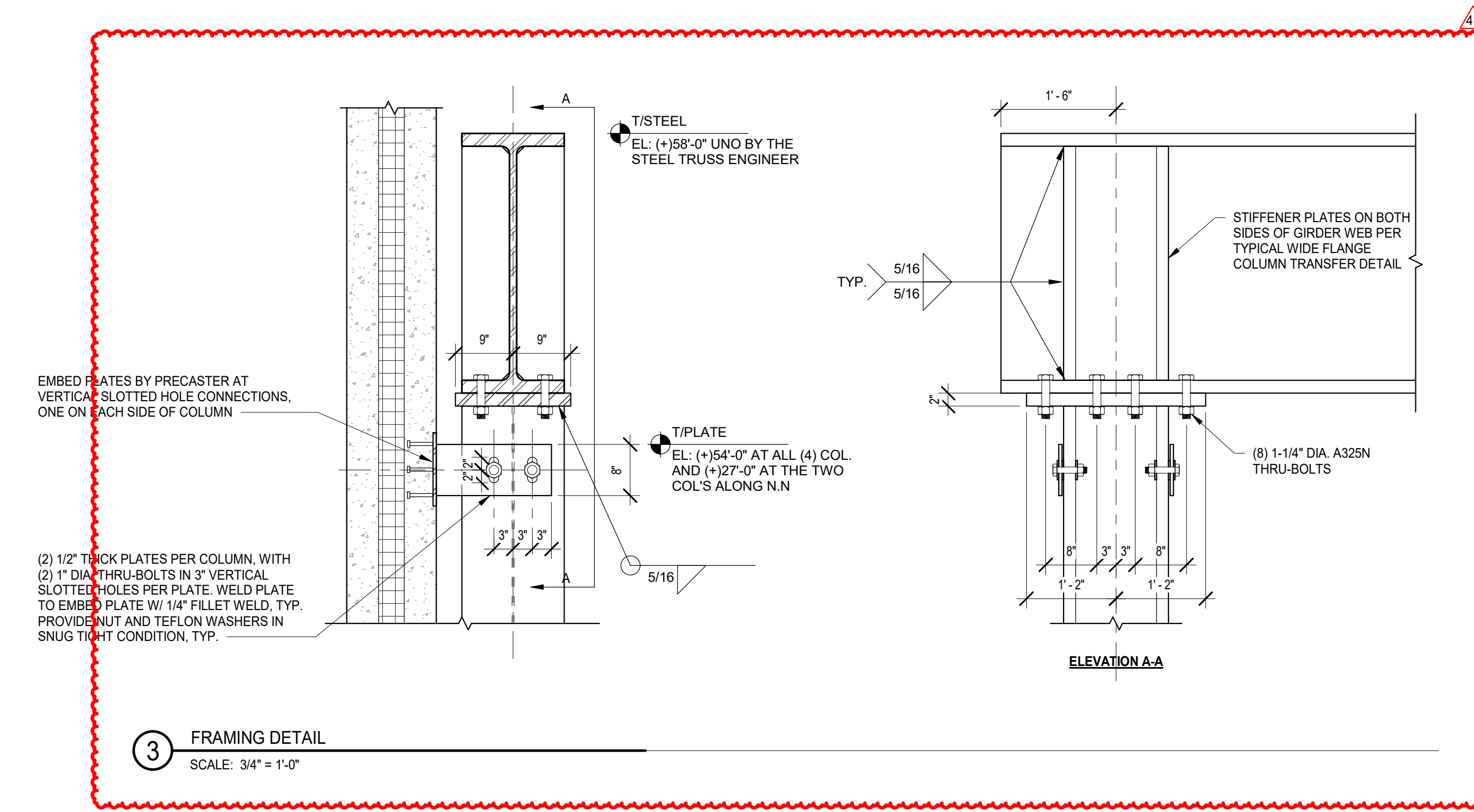


2 AREA F - FLY GALLERY ROOF FRAMING PLAN  
SCALE: 1/8" = 1'-0"

1 ROOF FRAMING PLAN - AREA F  
SCALE: 1/8" = 1'-0"

- PLAN NOTES**
- SEE S0 SERIES DRAWINGS FOR GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND LINTEL SCHEDULES.
  - SEE S1 SERIES DRAWINGS FOR TYPICAL SECTIONS AND DETAILS.
  - SEE S3 SERIES DRAWINGS FOR NON-TYPICAL SECTIONS AND DETAILS.
  - SEE S4 SERIES DRAWINGS FOR ELEVATIONS AND S5 SERIES FOR SCHEDULES.
  - CENTERLINE OF COLUMN IS ON GRIDLINE. TYPICAL UNLESS NOTED OTHERWISE.
  - SEE PLANS FOR COLUMN ORIENTATION AND COLUMN CENTERLINE TO GRIDLINE DIMENSIONS FOR OFFSET COLUMNS.
  - SEE PLANS FOR TOP OF ROUGH SLAB ELEVATION.
  - (H) AS INDICATED ON PLAN INDICATES HIGHER BEAM OF FRAMING MEMBERS IN SAME VERTICAL PLANE.
  - (L) AS INDICATED ON PLAN INDICATES LOWER BEAM OF FRAMING MEMBERS IN SAME VERTICAL PLANE.
  - SEE ARCHITECTURAL DRAWINGS FOR CURBS NOT INDICATED (SIZE AND LOCATION). SEE TYPICAL SECTIONS AND DETAILS FOR CURB REINFORCEMENT.
  - AT ELEVATED FLOOR LEVELS, FLOOR DECK SHALL BE 3 1/4" THICK LIGHTWEIGHT CONCRETE OVER 2" DEEP COMPOSITE STEEL FLOOR DECK UNLESS NOTED OTHERWISE. REINFORCE SLAB WITH 4.0 LBS/CY OF STRUX 6040 MACROSYNTHETIC FIBER REINFORCEMENT OR EQUIVALENT, TYP. UNO.
  - OTHERWISE, FLOOR DECK SHALL BE 4" NORMAL WEIGHT CONCRETE OVER 2" DEEP NON-COMPOSITE STEEL FORM DECK. REINFORCE SLAB WITH 6# W2 W/2" WELDED WIRE REINFORCEMENT. SUBSTITUTES ARE NOT PERMITTED FOR THE WELDED WIRE REINFORCEMENT.
  - SEE PLAN FOR BOTTOM OF STEEL DECK ELEVATIONS, TYPICAL UNLESS NOTED OTHERWISE.
  - STUDIO THEATRE ROOF, AUDITORIUM ROOF AND FLY GALLERY ROOF SHALL CONSIST OF FLOOR DECK OF 3" THICK NORMAL WEIGHT CONCRETE OVER 2" DEEP COMPOSITE STEEL FLOOR DECK. REINFORCE SLAB WITH 4.0 LBS/CY OF STRUX 6040 MACROSYNTHETIC FIBER REINFORCEMENT OR EQUIVALENT.
  - OTHERWISE, ROOF DECK SHALL BE 1 1/2" DEEP STEEL ROOF DECK.
  - PROVIDE A HANGER CONNECTION AT EACH W4 STUDY THEATRE ROOF BEAM FOR THE SUPPORT OF W8x18 RISING BEAM. TYP. AT ALL W8x18 RISING BEAMS. DESIGN HANGER CONNECTION FOR SERVICE LEVEL VERTICAL END REACTION = 3 KIPS.
  - PROVIDE L5x5x5/16 STEEL ANGLE OR BENT PLATE AT ROOF PERIMETER AND AT INTERIOR OPENINGS IN ACCORDANCE WITH TYPICAL DETAILS.
  - SEE S4-AC-F AND S4-SC-F FOR ROOF TRUSS AND SPECIAL DESIGN JOIST SCHEMATIC LOADINGS.
  - SUSPEND PIPE HANGERS AND OTHER MECHANICAL EQUIPMENT FROM DESIGNATED OR APPROVED STEEL JOISTS. LOCATE CONCENTRATED LOADS AT JOIST PANEL POINTS ONLY OR REINFORCE STEEL JOISTS IN ACCORDANCE WITH TYPICAL SECTIONS AND DETAILS.
  - SEE TYPICAL DETAILS FOR ELECTRICAL GROUNDING DETAIL AND REQUIREMENTS FOR A CONCRETE ENCASED GROUNDING ELECTRODE. COORDINATE WITH ELECTRICAL CONTRACTOR.
  - INDICATED DIMENSIONS TO BE COORDINATED WITH EQUIPMENT MANUFACTURER.
  - TOTAL HORIZONTAL STRENGTH WIND FORCE (W) AND STRENGTH SEISMIC FORCE (E) FROM THE ROOF/FLOOR DIAPHRAGM OR ADJACENT WALLS TO BE RESISTED BY THE PRECAST CONCRETE SHEAR WALLS BELOW.
  - SUPPORT ALL MEPPF EQUIPMENT AND PIPING GREATER THAN 2 INCHES IN DIAMETER DIRECTLY FROM THE DESIGNATED STEEL ROOF JOISTS (TOP CHORDS ONLY) AND STEEL WIDE FLANGED BEAM AND GIRDER FRAMING. DO NOT SUPPORT THE AFOREMENTIONED FROM THE STEEL ROOF DECK DIRECTLY. ITEMS SUCH AS LIGHTWEIGHT CEILING AND LIGHTING MAY BE SUPPORTED DIRECTLY FROM THE STEEL ROOF DECK.
  - ALL MEP EQUIPMENT STEEL SUPPORTS SHALL BE COORDINATED WITH THE INSTALLING CONTRACTOR(S). SEE PLANS AND TYPICAL DETAILS FOR STEEL SUPPORT REQUIREMENTS.
  - COORDINATE SIZE AND QUANTITY OF ROOF DECK PENETRATIONS WITH MEPPF DRAWINGS, TYP. REINFORCE NEW PENETRATIONS IN EXISTING NEW ROOF DECKS PER TYPICAL STRUCTURAL DETAILS.
  - MEPPF INSTALLING CONTRACTOR(S) SHALL SUBMIT EXISTING ELEVATED FLOOR PLANS INDICATING ALL MEPPF FLOOR PENETRATIONS SIZES AND LOCATIONS FOR EOR REVIEW. EOR APPROVAL IS REQUIRED PRIOR TO THE START OF CORING ACTIVITIES. COORDINATE THE TIMING OF SUBMITTAL ACCORDINGLY. LOCATE AND AVOID DAMAGE TO REINFORCEMENT.
  - SEE STEEL DECK NOTES ON S0 IC FOR STEEL DECK ATTACHMENT INFORMATION TO THE SUPPORT STEEL.
  - MAXIMUM LIVE LOAD DEFLECTION FOR ELEVATED SLABS @ BUILDING ENVELOPE AND INTERIOR PARTITIONS = 1/16"

- POUR ALL ELEVATED CONCRETE SLABS TO THE SPECIFIED THICKNESS.
- AFTER AUDITORIUM ROOF DECK AND SLAB IS INSTALLED AND CONCRETE ACHIEVES THE SPECIFIED MINIMUM COMPRESSIVE STRENGTH, REMOVE DIAGONAL CROSS BRIDGING AT THIS LOCATION ONLY.
- AT THE NEW ADDITION (EXCLUDING SKYLIGHTS), ALL ROOFS ARE DESIGNED TO SUPPORT A MAXIMUM ALLOWED SUPERIMPOSED DEAD LOAD FROM THE PHOTOVOLTAIC BALLASTED SYSTEM OF 8 PSF PLUS THE ADDITIONAL DOWNWARD WIND PRESSURE FROM THE PHOTOVOLTAIC BALLASTED SYSTEM OF 13 PSF. SYSTEMS OTHER THAN THE PHOTOVOLTAIC BALLASTED SYSTEM ARE NOT PERMITTED.



**NOT FOR CONSTRUCTION**

41	ADDENDUM 4 - B68	12.16.2019
39	ADDENDUM 3 - B68	12.11.2019
	ISSUED FOR BID GROUP & PHASE C	11.20.2019
	ISSUED FOR 90% CD - PHASE C	11.12.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 25% CD - PHASE C	8.30.2019
REV	ISSUE	DATE

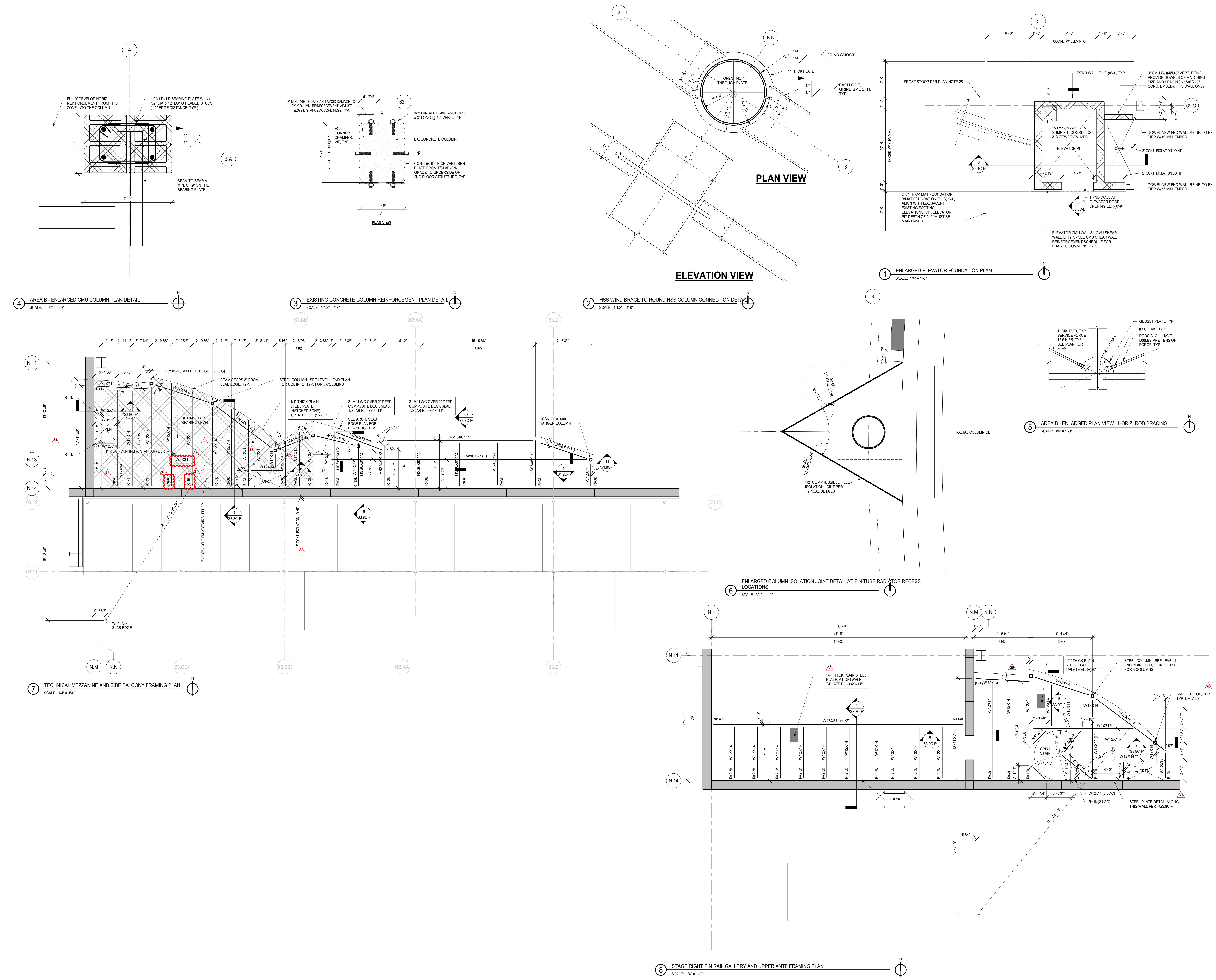
**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60016

**AUDITORIUM AND FLY GALLERY ROOF LEVEL FRAMING PLAN - AREA F**

Project Number:  
5274-42  
Drawn By:  
J.G.  
Sheet:

**S2.5C-F**



NOT FOR  
CONSTRUCTION

41	ADDENDUM 4 - BGS	12.16.2019
39	ADDENDUM 3 - BGS	12.11.2019
36	ADDENDUM 2 - BGS	12.04.2019
	ISSUED FOR BID GROUP B-PHASE C	11.20.2019
	ISSUED FOR 90% CD - PHASE C	11.1.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
REV	DATE	

**MFP  
IMPLEMENTATION -  
SOUTH**

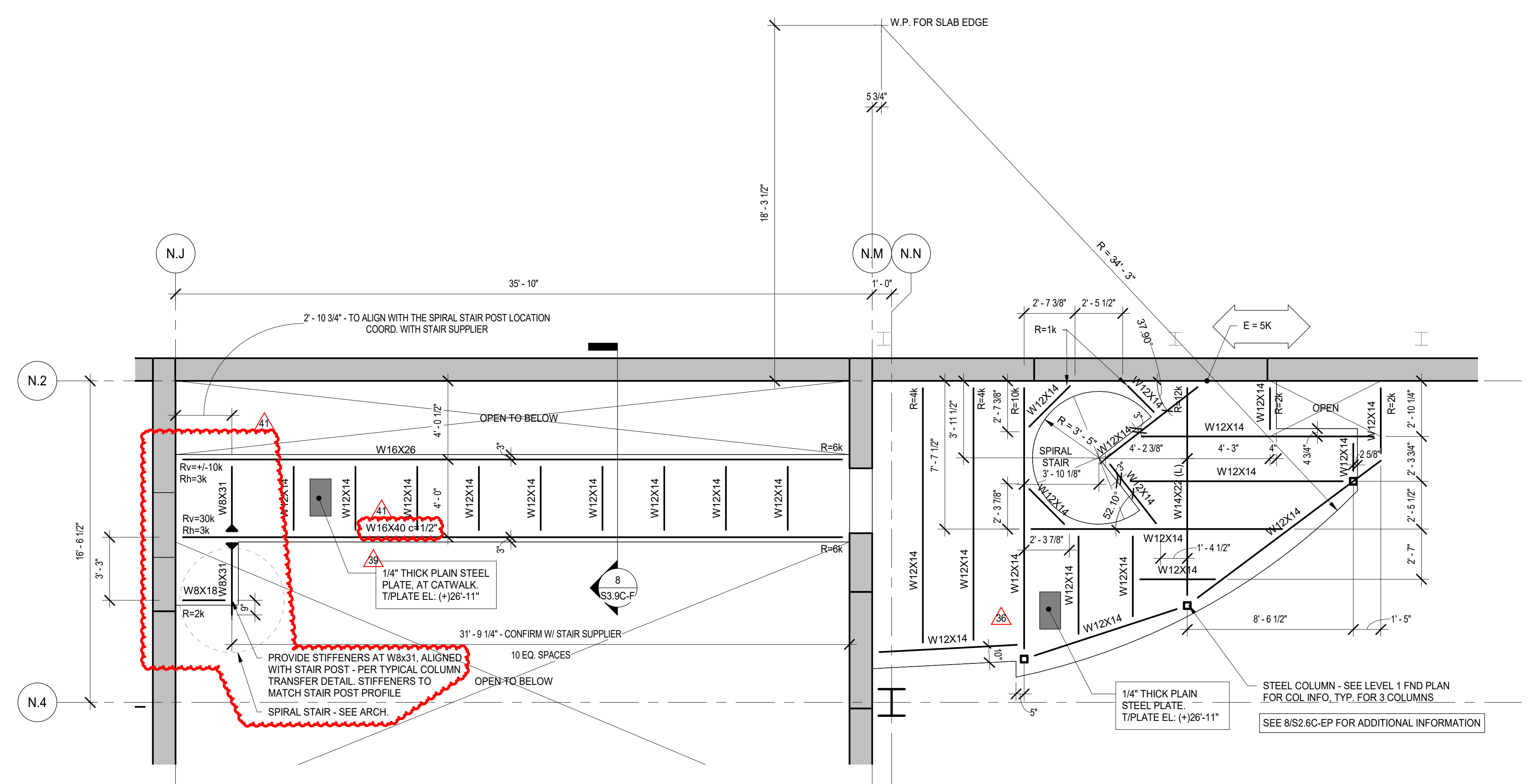
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DOWNERS GROVE, IL 60516

**ENLARGED PLANS**

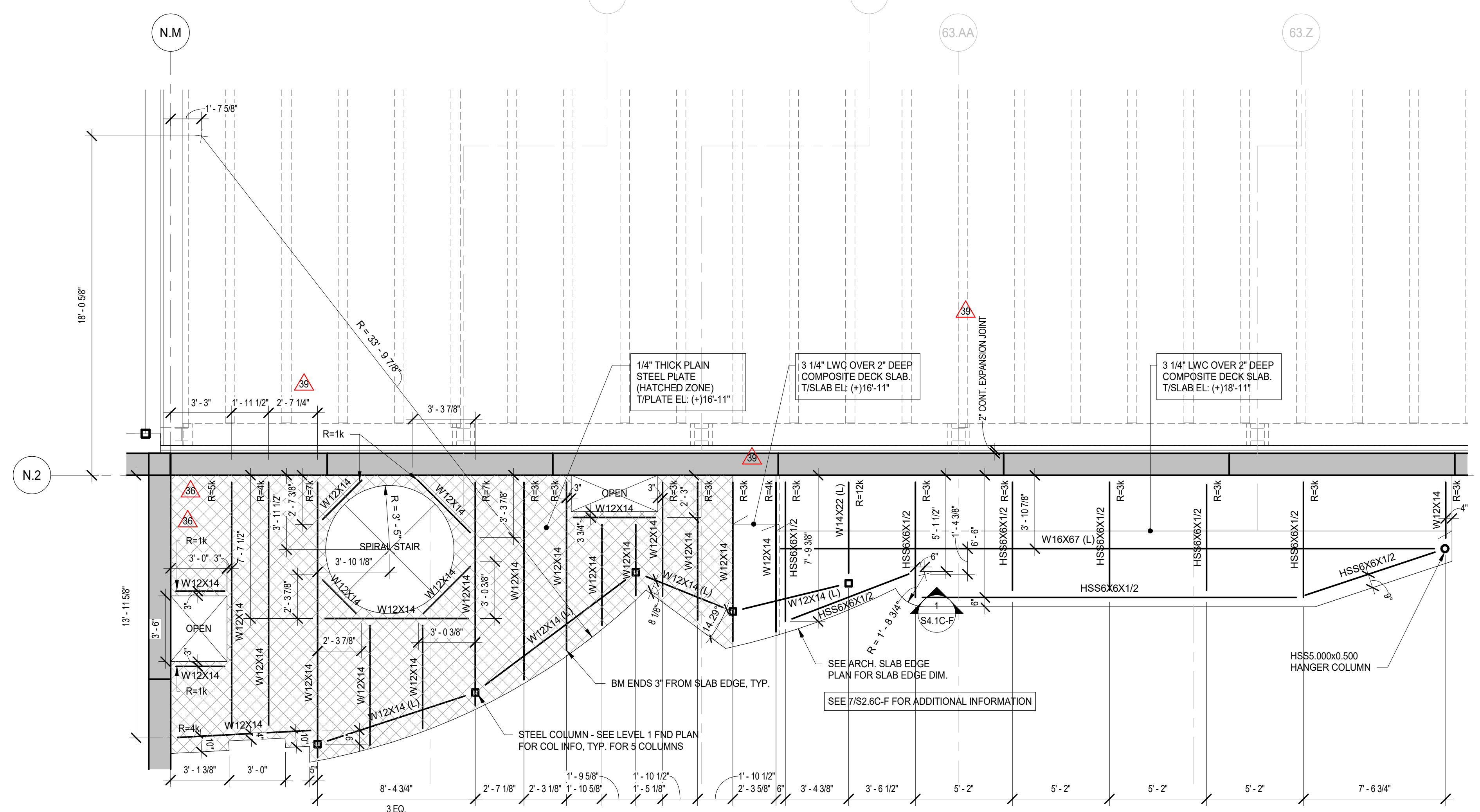
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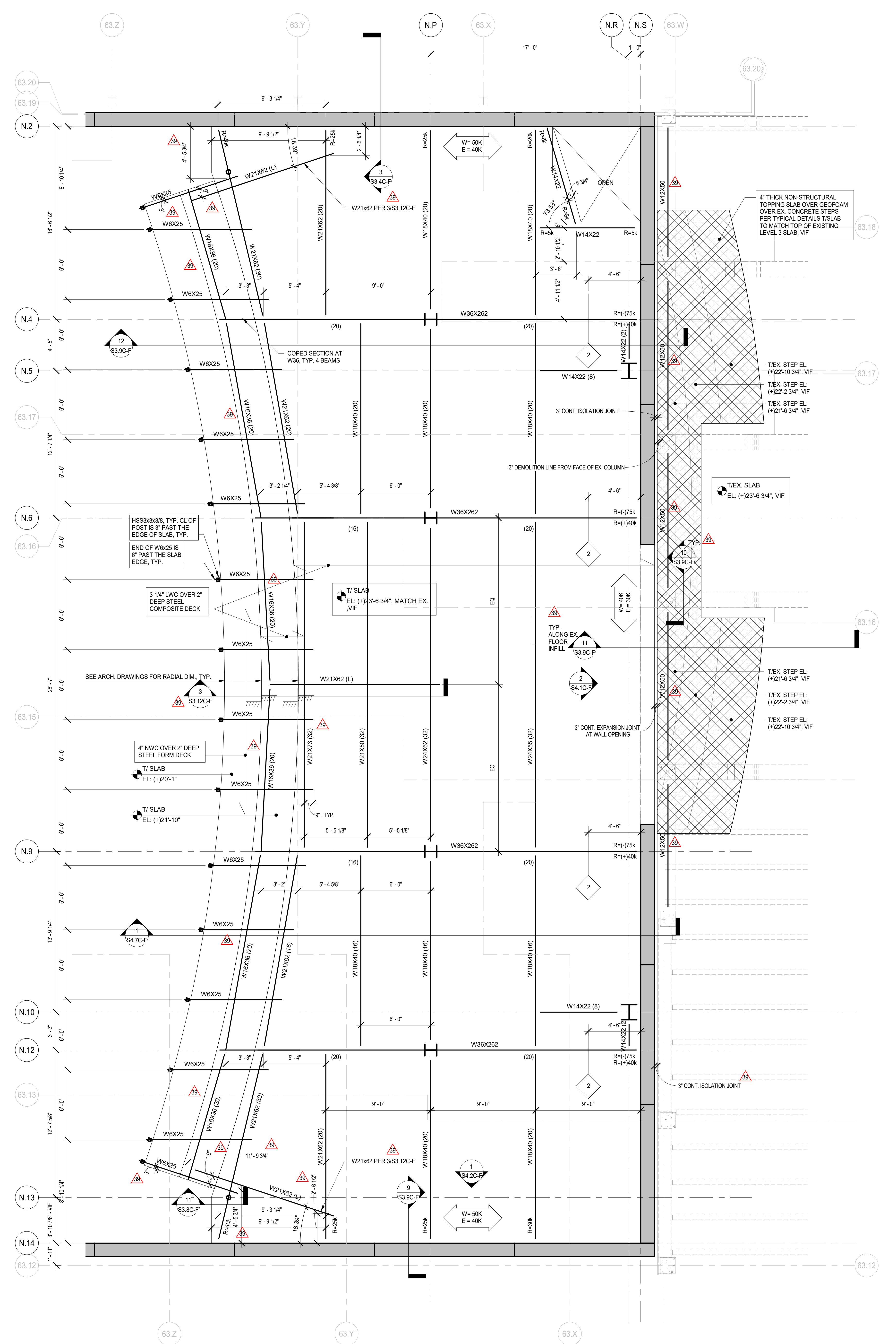
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3 TECHNICAL MEZZANINE AND SIDE BALCONY FRAMING PLAN  
SCALE: 1/4" = 1'-0"



2 STAGE LEFT PIN RAIL GALLERY AND UPPER ANTE FRAMING PLAN  
SCALE: 1/4" = 1'-0"



1 AREA F - LEVEL 3 BALCONY FRAMING PLAN - ENLARGED  
SCALE: 1/4" = 1'-0"

NOT FOR  
CONSTRUCTION

41 ADDENDUM 4 - BGS 12.16.2019  
39 ADDENDUM 3 - BGS 12.11.2018  
36 ADDENDUM 2 - BGS 12.04.2019  
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REV ISSUE DATE

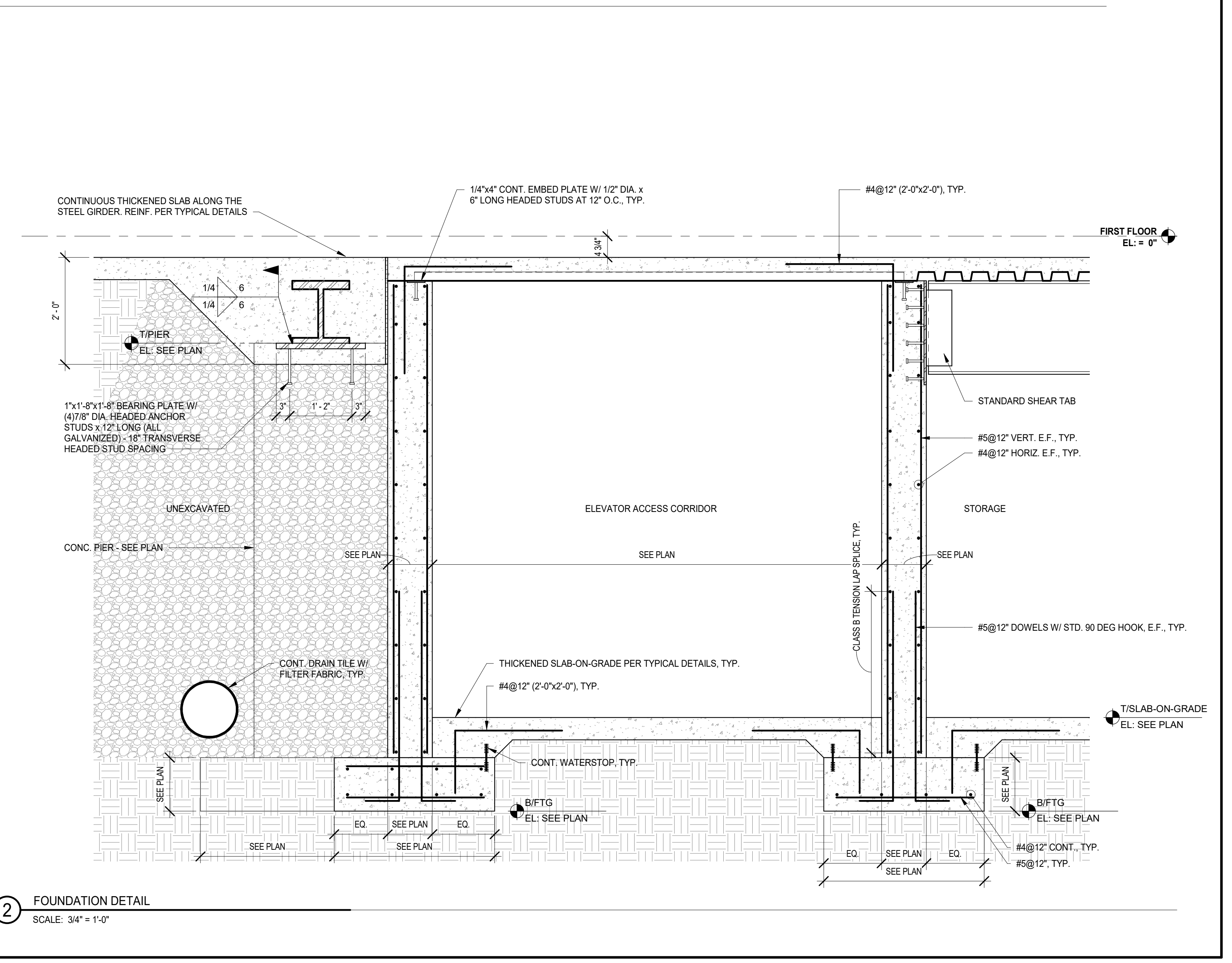
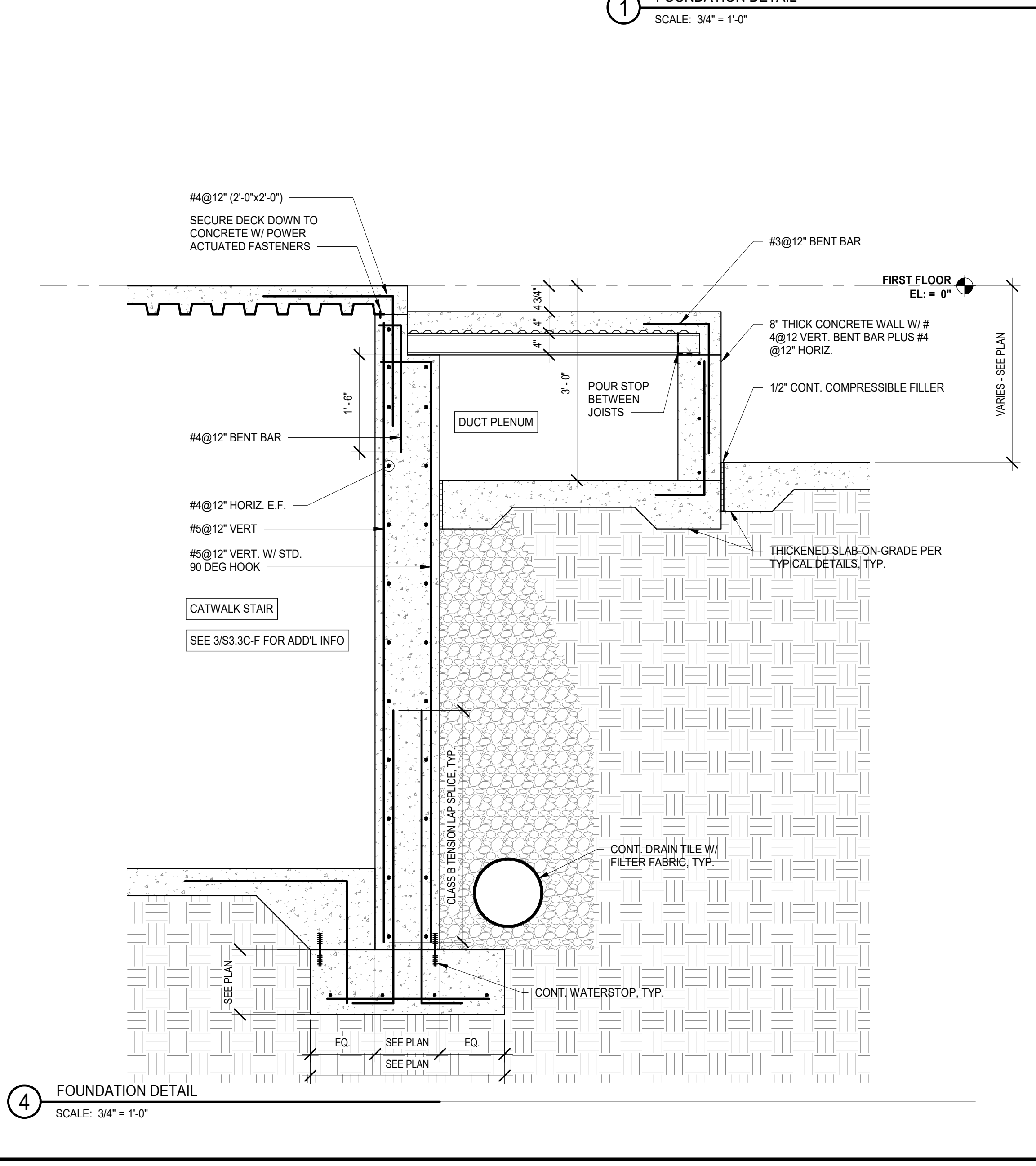
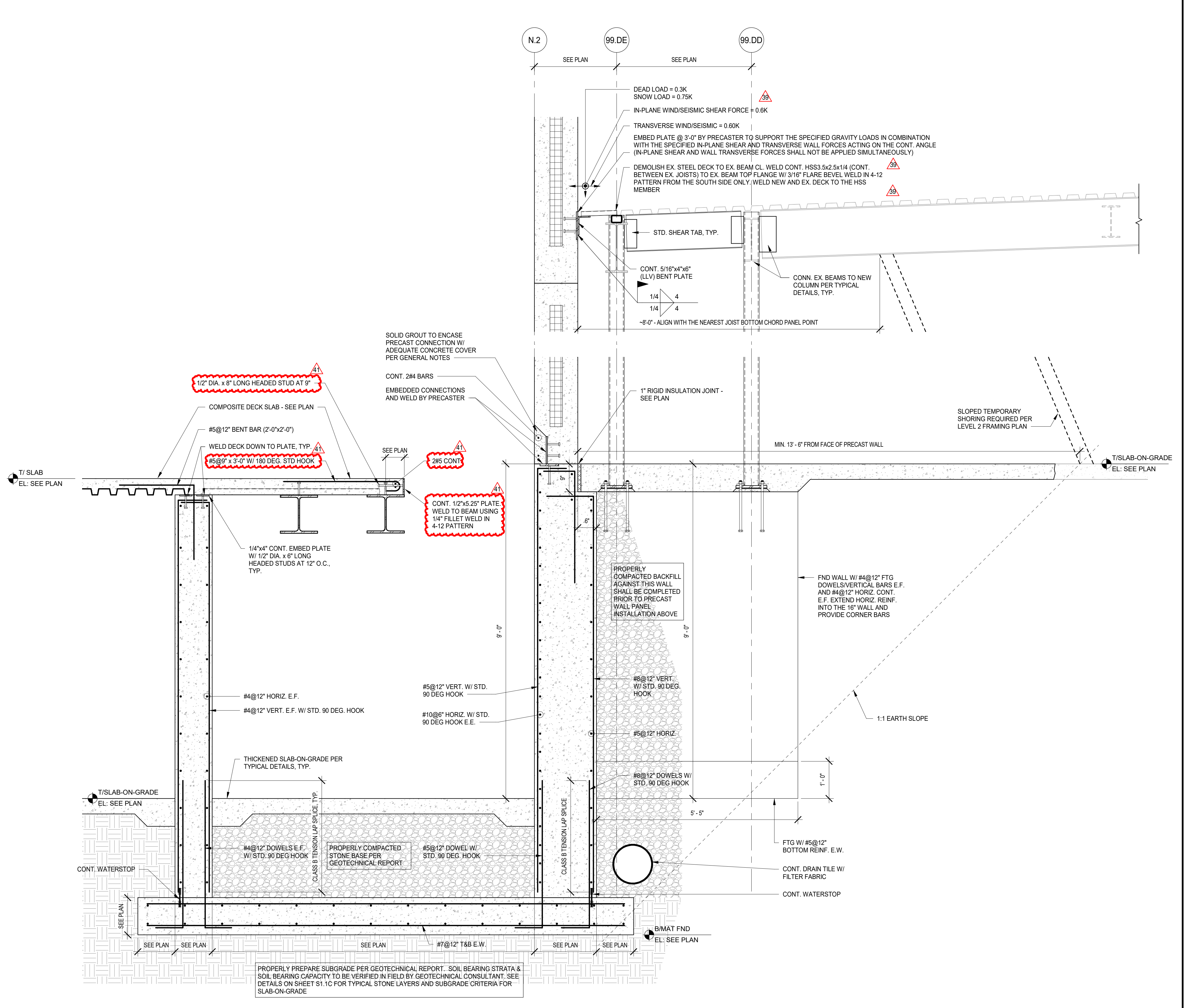
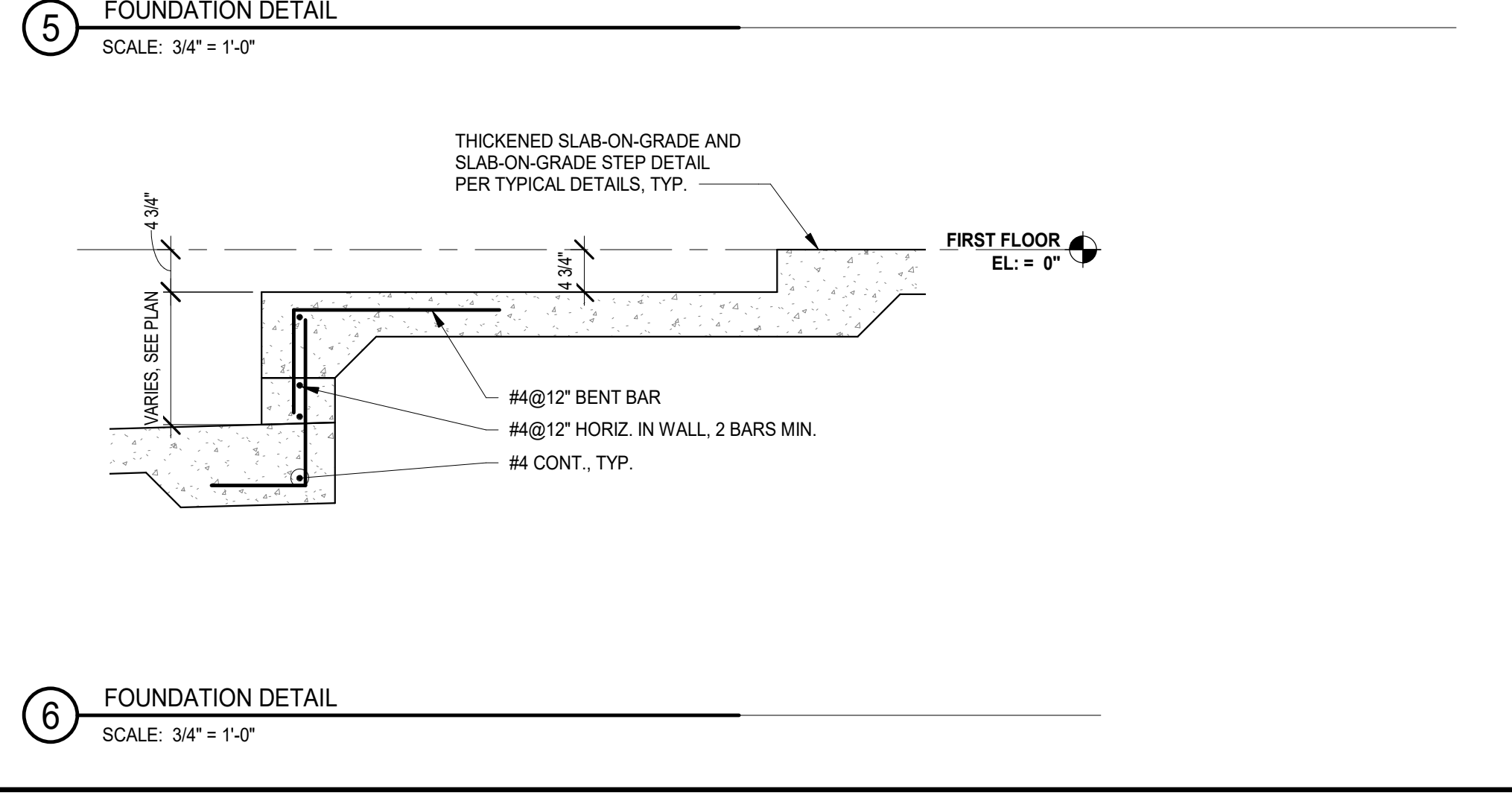
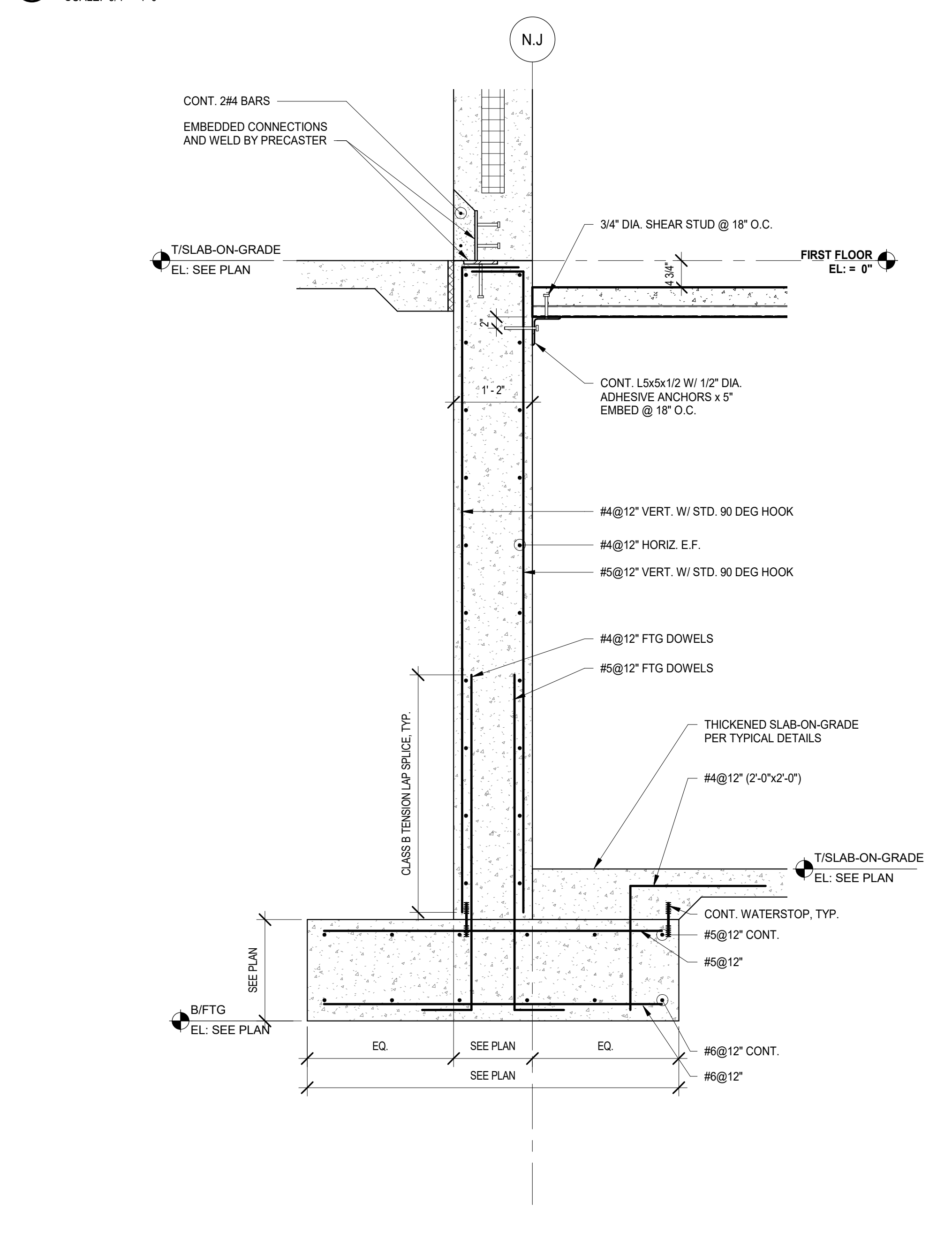
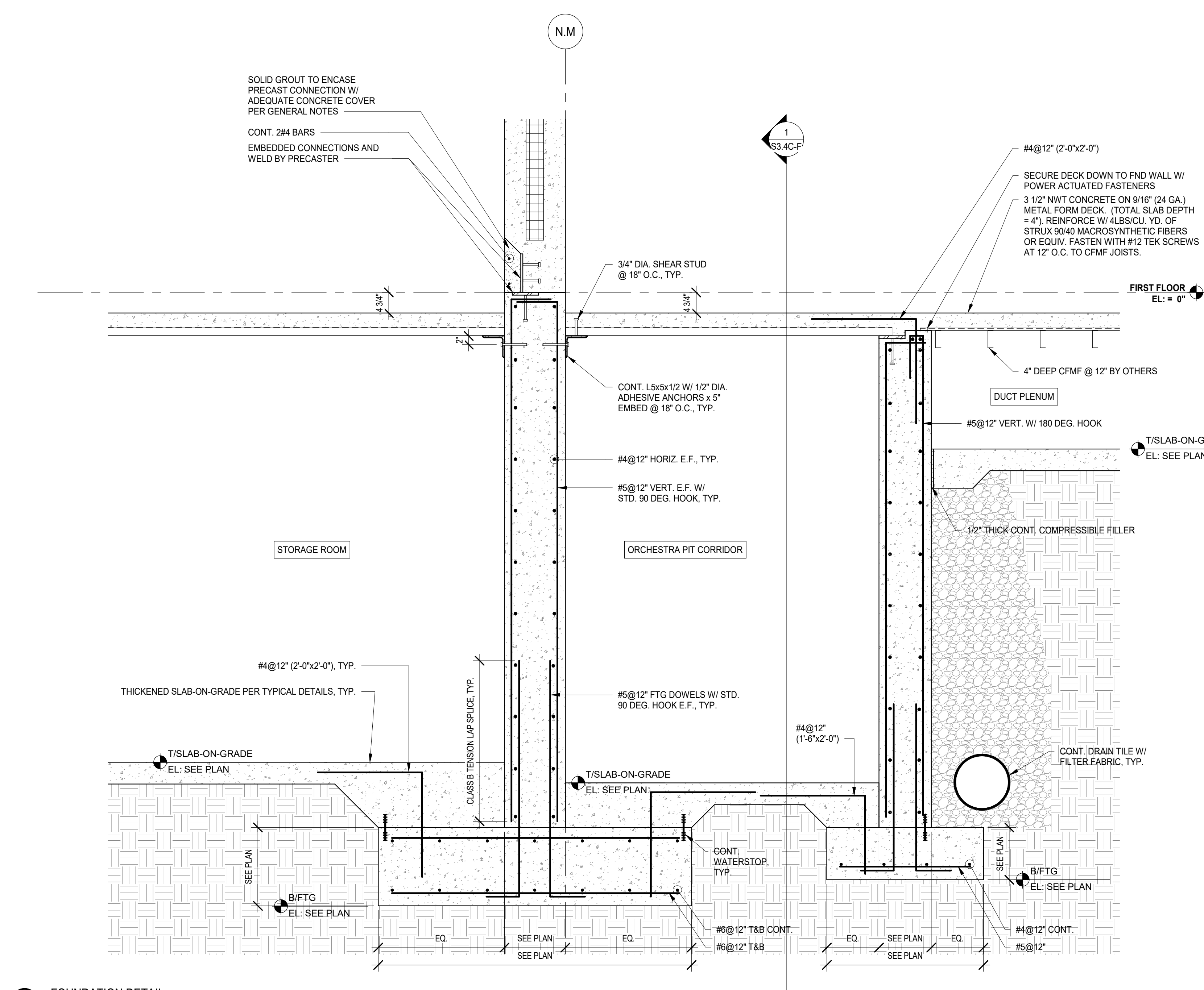
**MFP  
IMPLEMENTATION -  
SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**ENLARGED PLANS**

Project Number:  
5274-42  
Drawn By:  
J.G.  
Sheet:

**S2.7C-EP**



**NOT FOR CONSTRUCTION**

41	ADDENDUM 4 - BGS	12.16.2019
39	ADDENDUM 3 - BGS	12.11.2019
36	ADDENDUM 2 - BGS	12.04.2019
	ISSUED FOR BID GROUP & PHASE C	11.20.2019
	ISSUED FOR 90% CD - PHASE C	11.12.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 25% CD - PHASE C	8.30.2019
REV	DATE	DATE

**MFP IMPLEMENTATION - SOUTH**

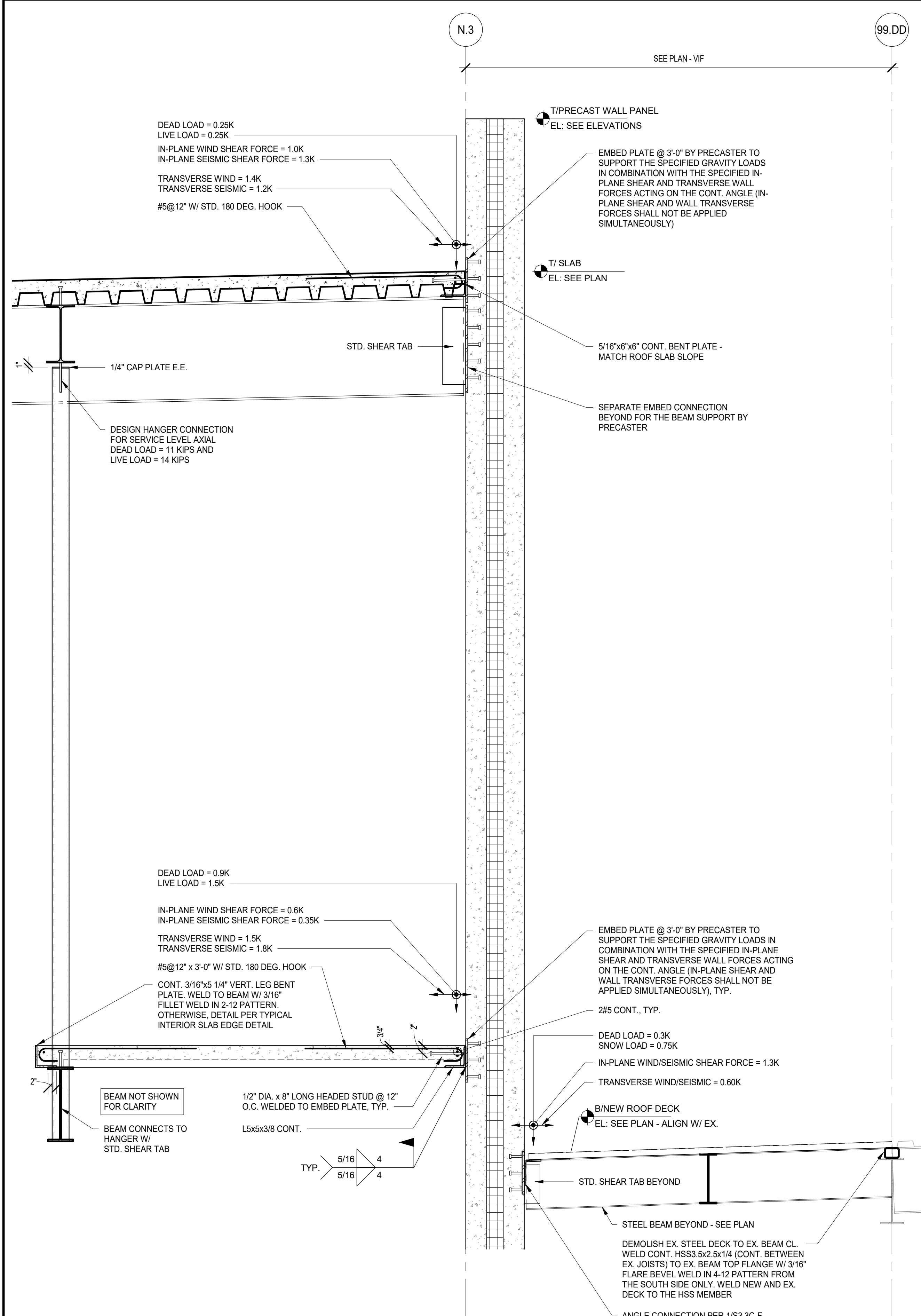
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DOWNERS GROVE, IL 60516

**NON-TYPICAL SECTIONS AND DETAILS**

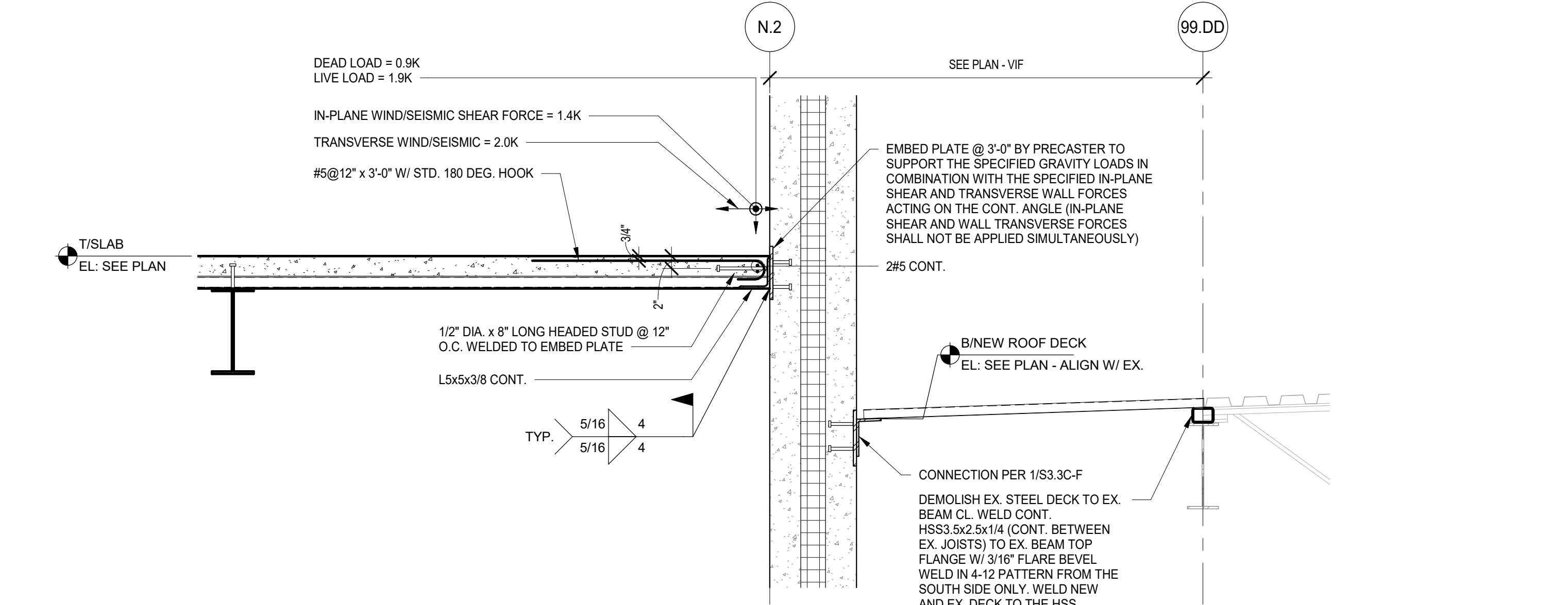
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Drawn By:  
J.G.  
Sheet:

**S3.3C-F**

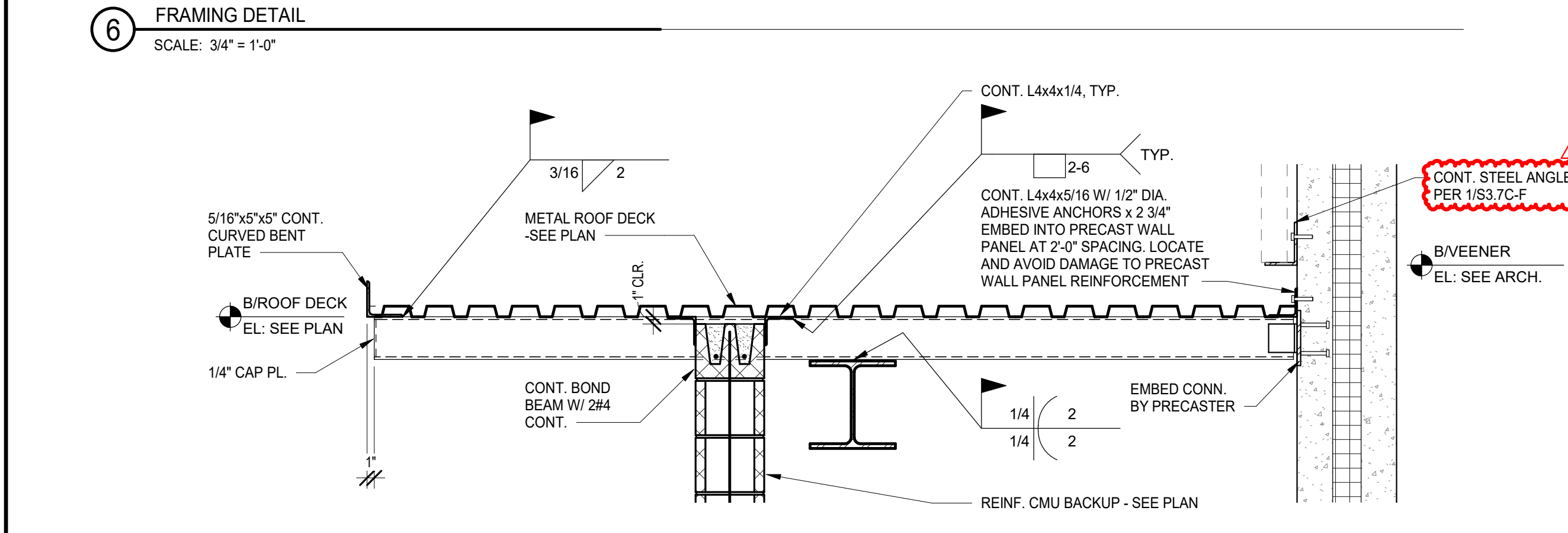
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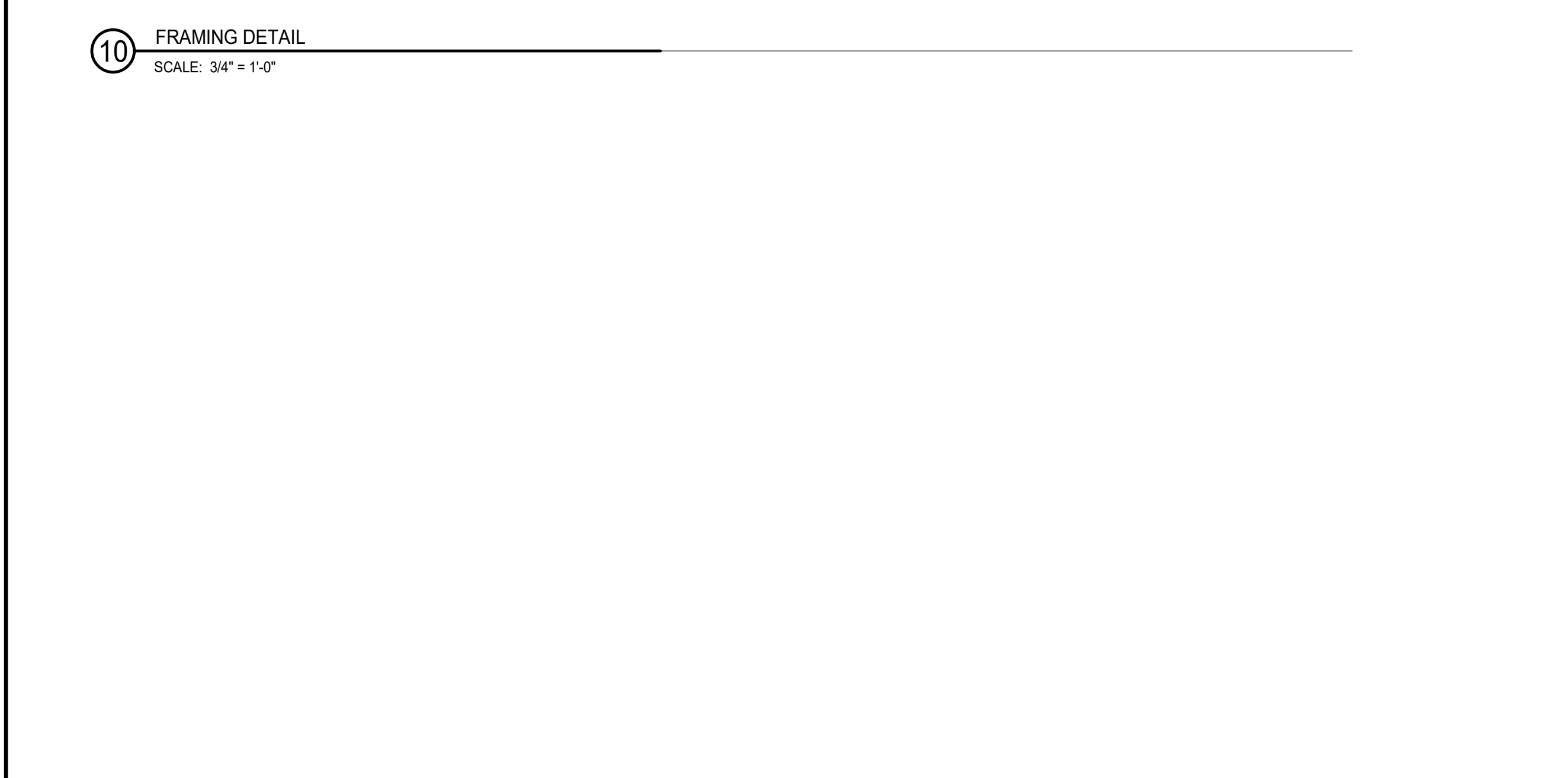
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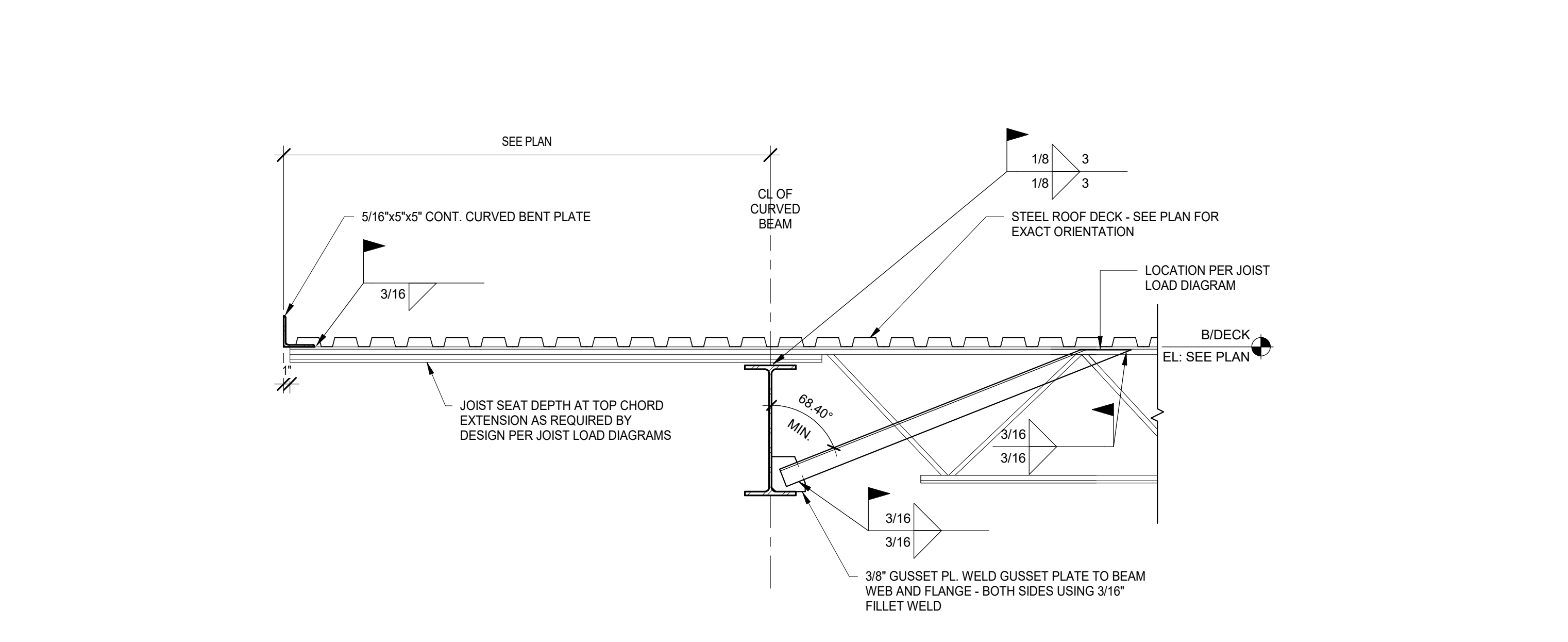
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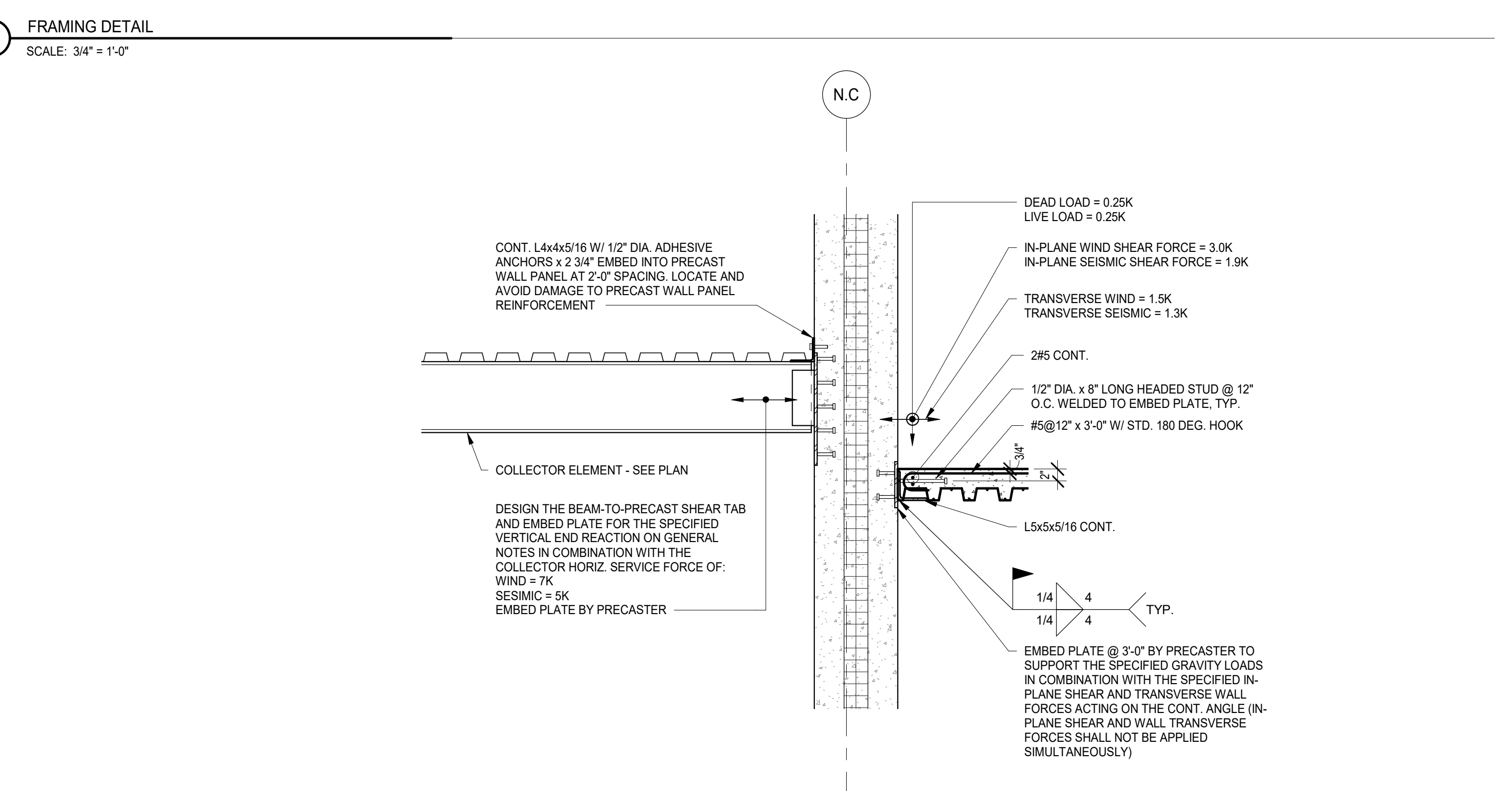
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SCALE: 3/4" = 1'-0"



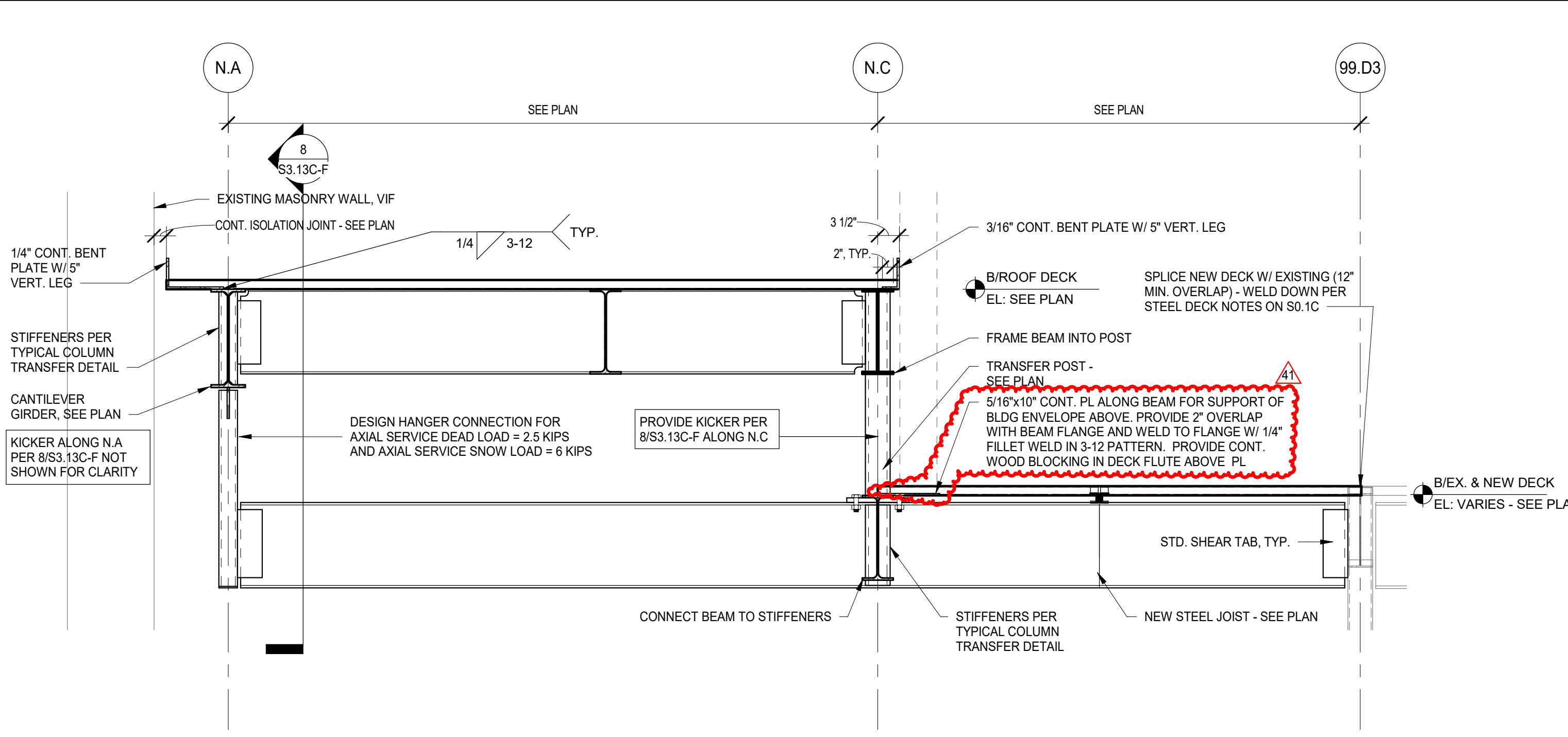
10 FRAMING DETAIL  
SCALE: 3/4" = 1'-0"



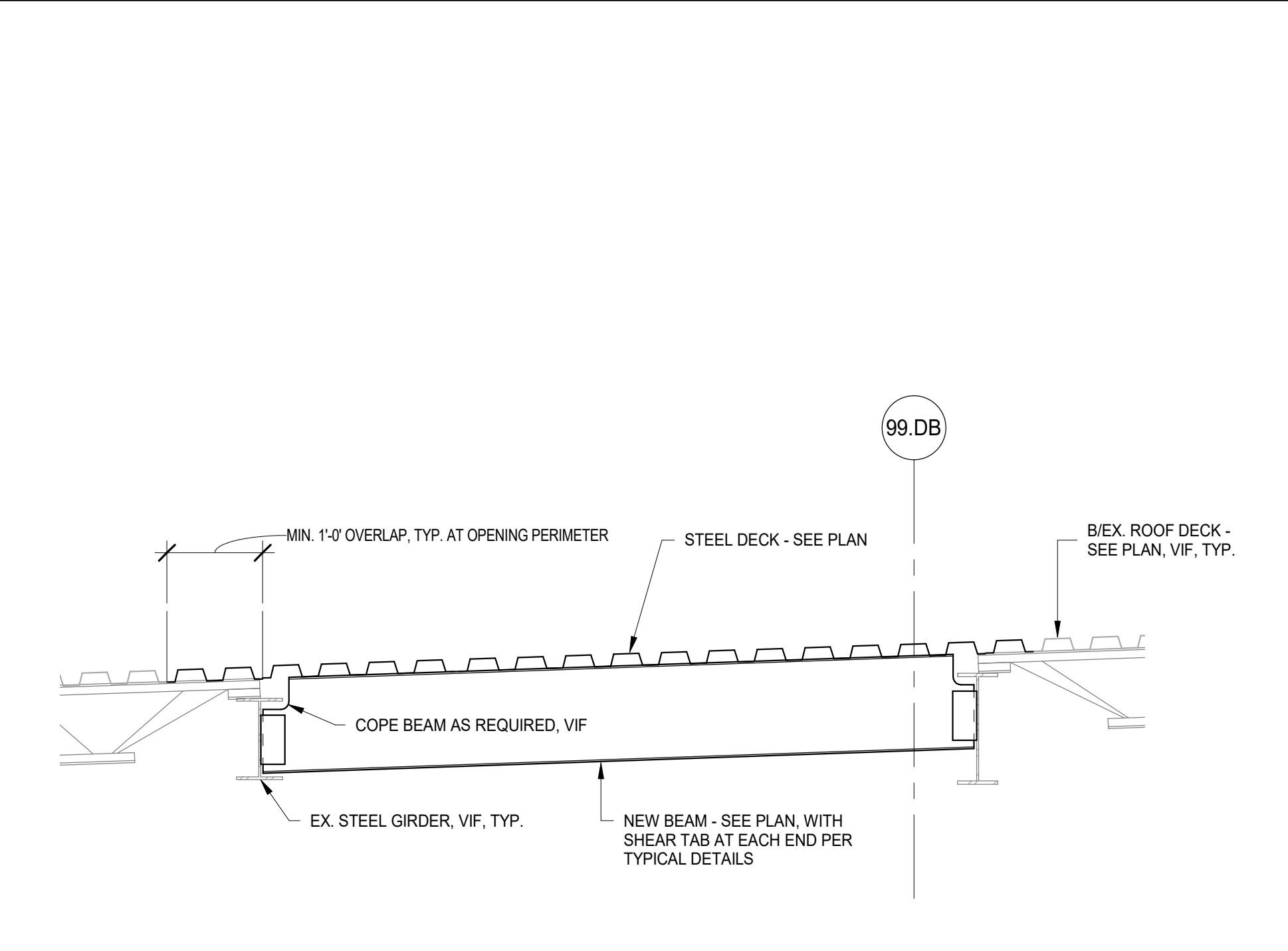
7 FRAMING DETAIL  
SCALE: 3/4" = 1'-0"



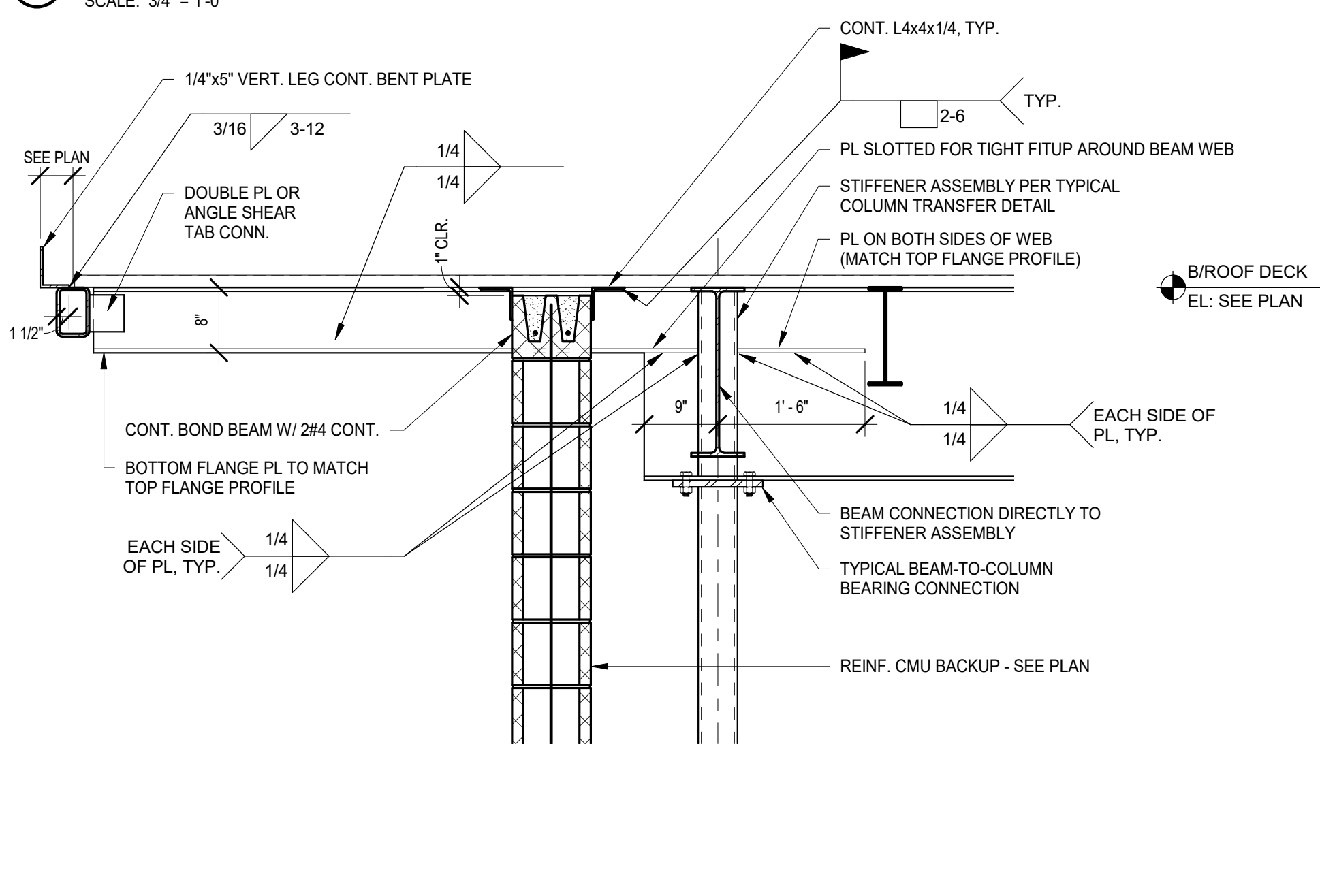
9 FRAMING DETAIL  
SCALE: 3/4" = 1'-0"



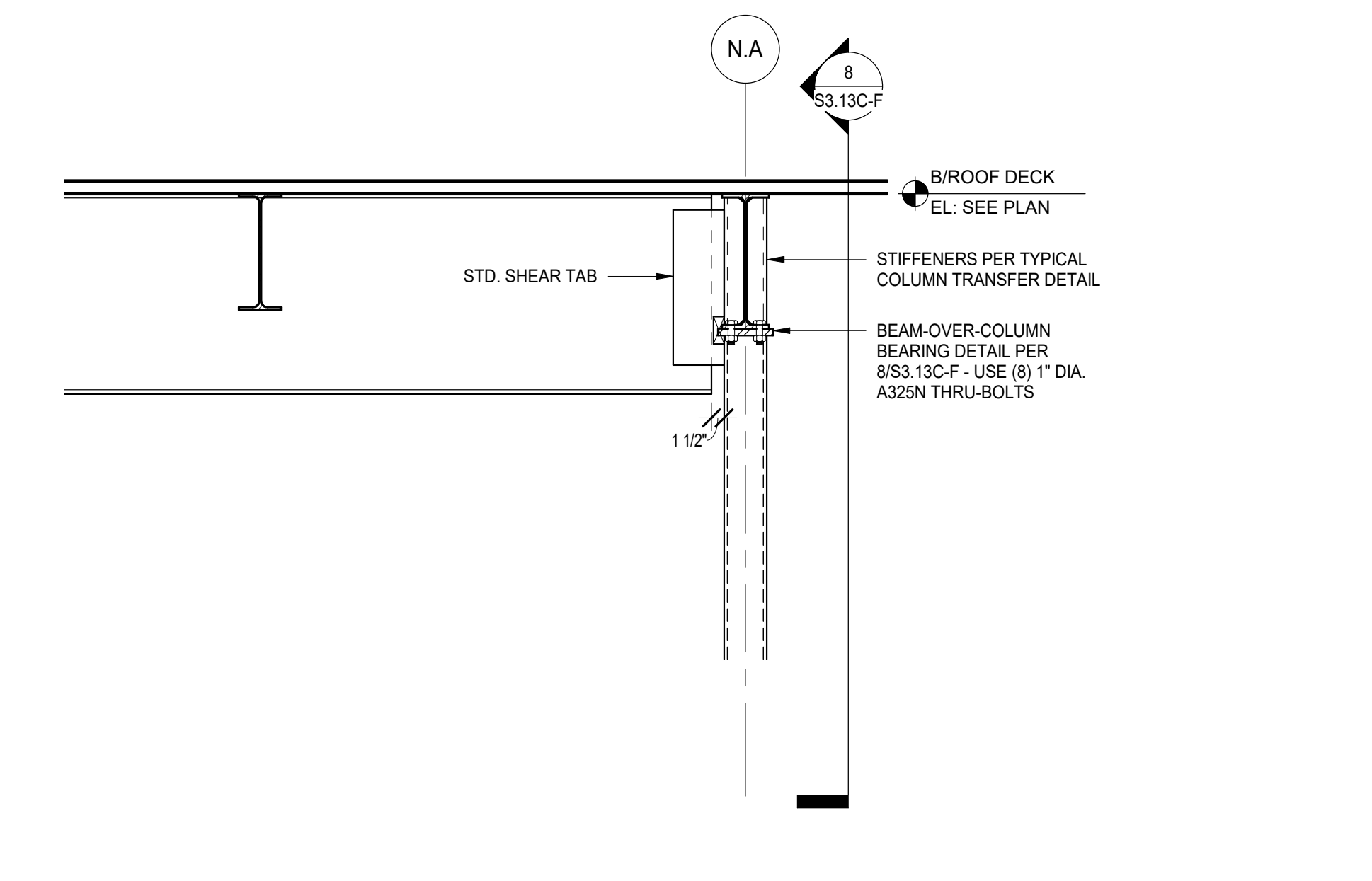
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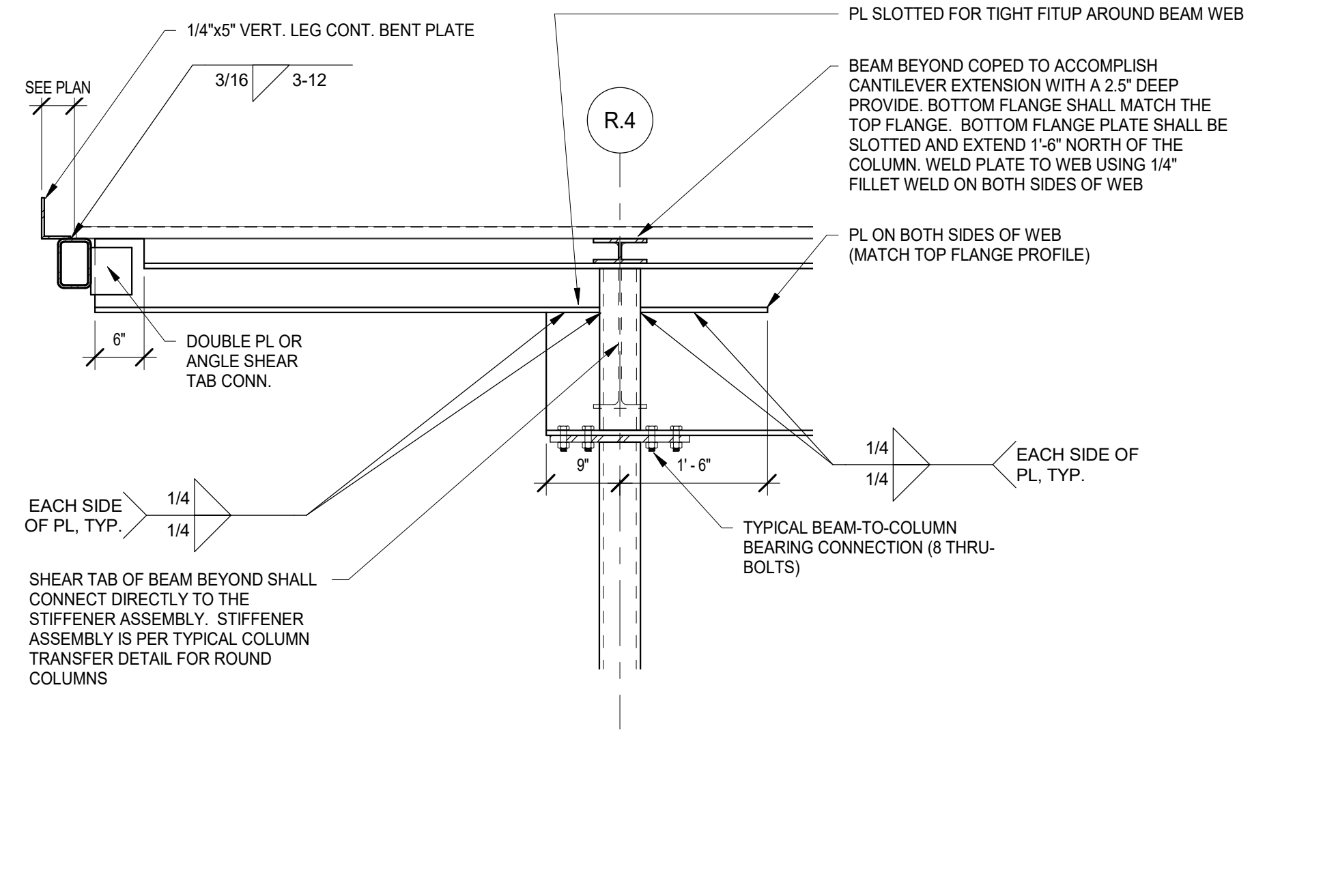
1 FRAMING DETAIL  
SCALE: 3/4" = 1'-0"



3 FRAMING DETAIL  
SCALE: 3/4" = 1'-0"



5 FRAMING DETAIL  
SCALE: 3/4" = 1'-0"



8 PHASE C - FRAMING DETAIL 8 - AUDITORIUM  
SCALE: 3/4" = 1'-0"

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41 ADDENDUM 4 - BGR 12.16.2019  
39 ADDENDUM 3 - BGR 12.11.2019  
ISSUED FOR BID GROUP B-PHASE C  
REV ISSUE DATE

**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**NON-TYPICAL SECTIONS AND DETAILS**

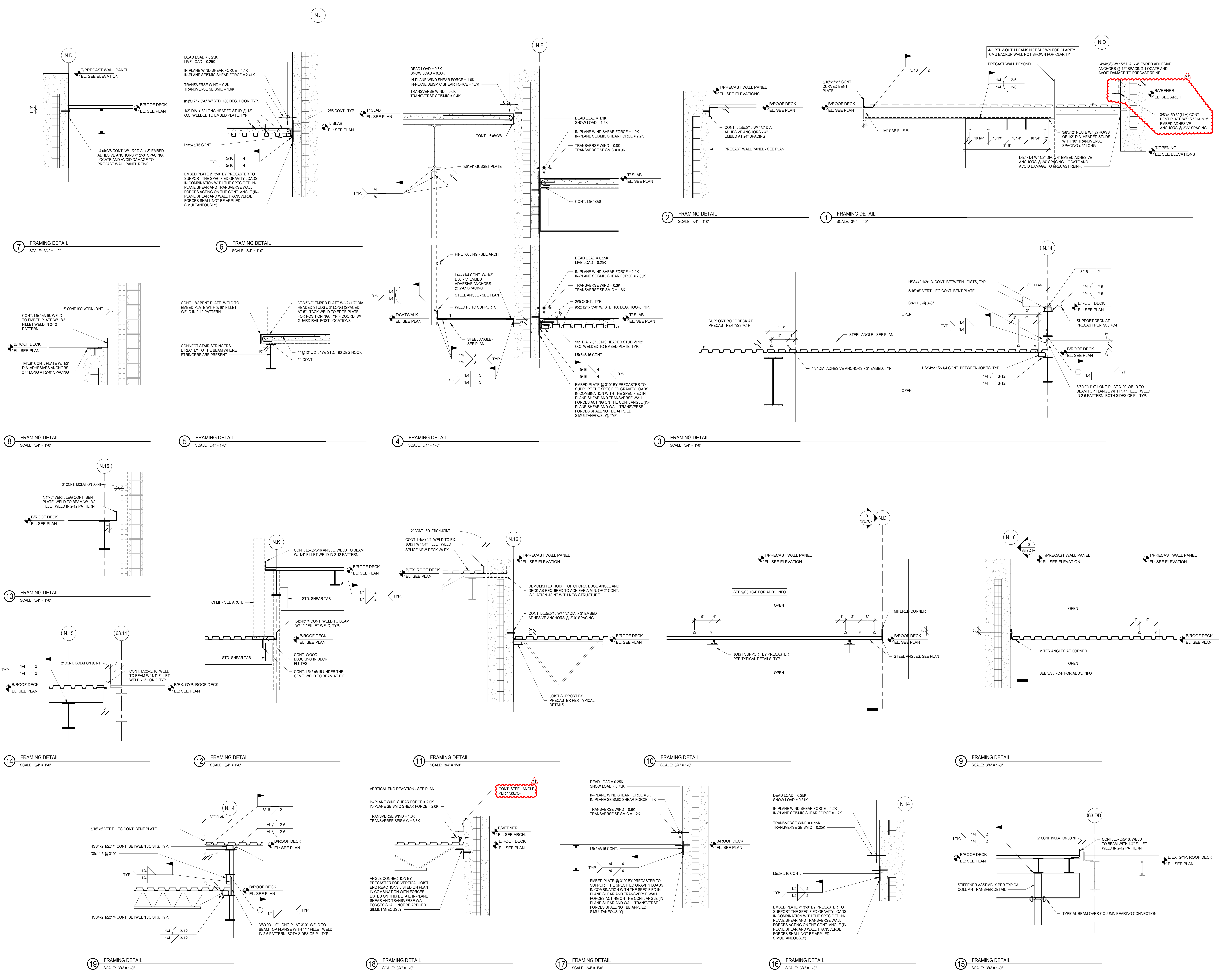
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**S3.6C-F**

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41 ADDENDUM 4 - BGR 12.16.2019  
39 ADDENDUM 3 - BGR 12.11.2019  
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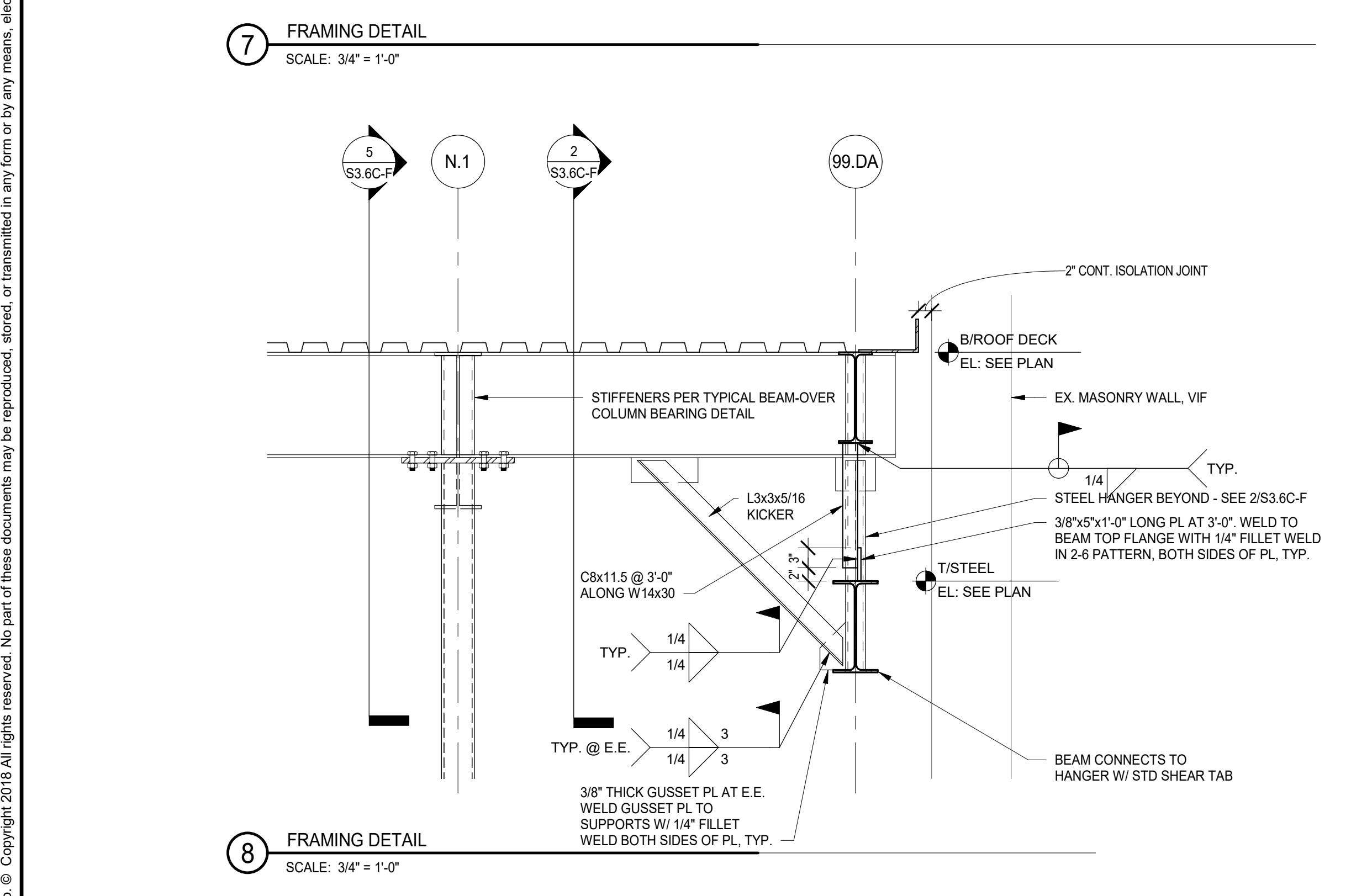
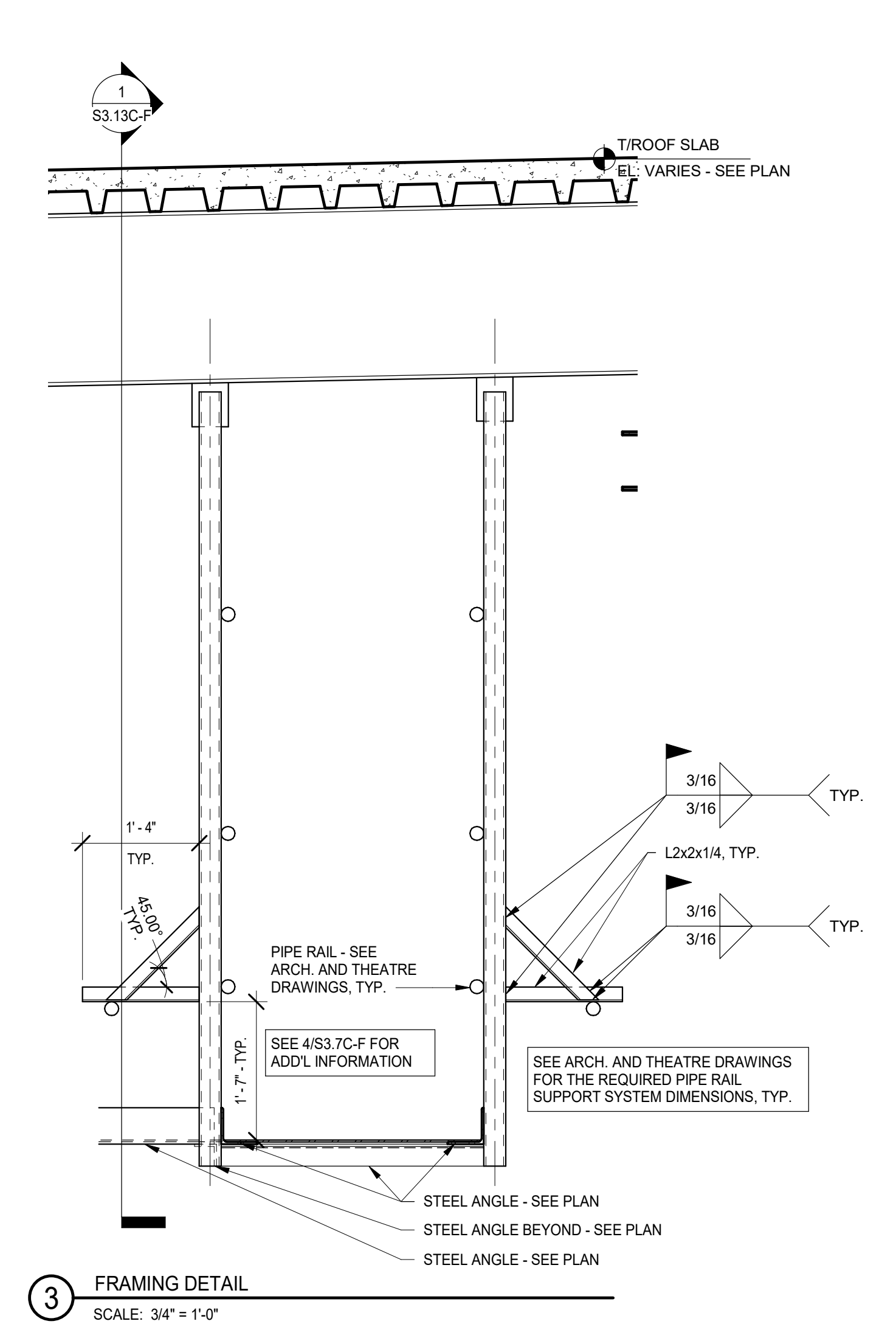
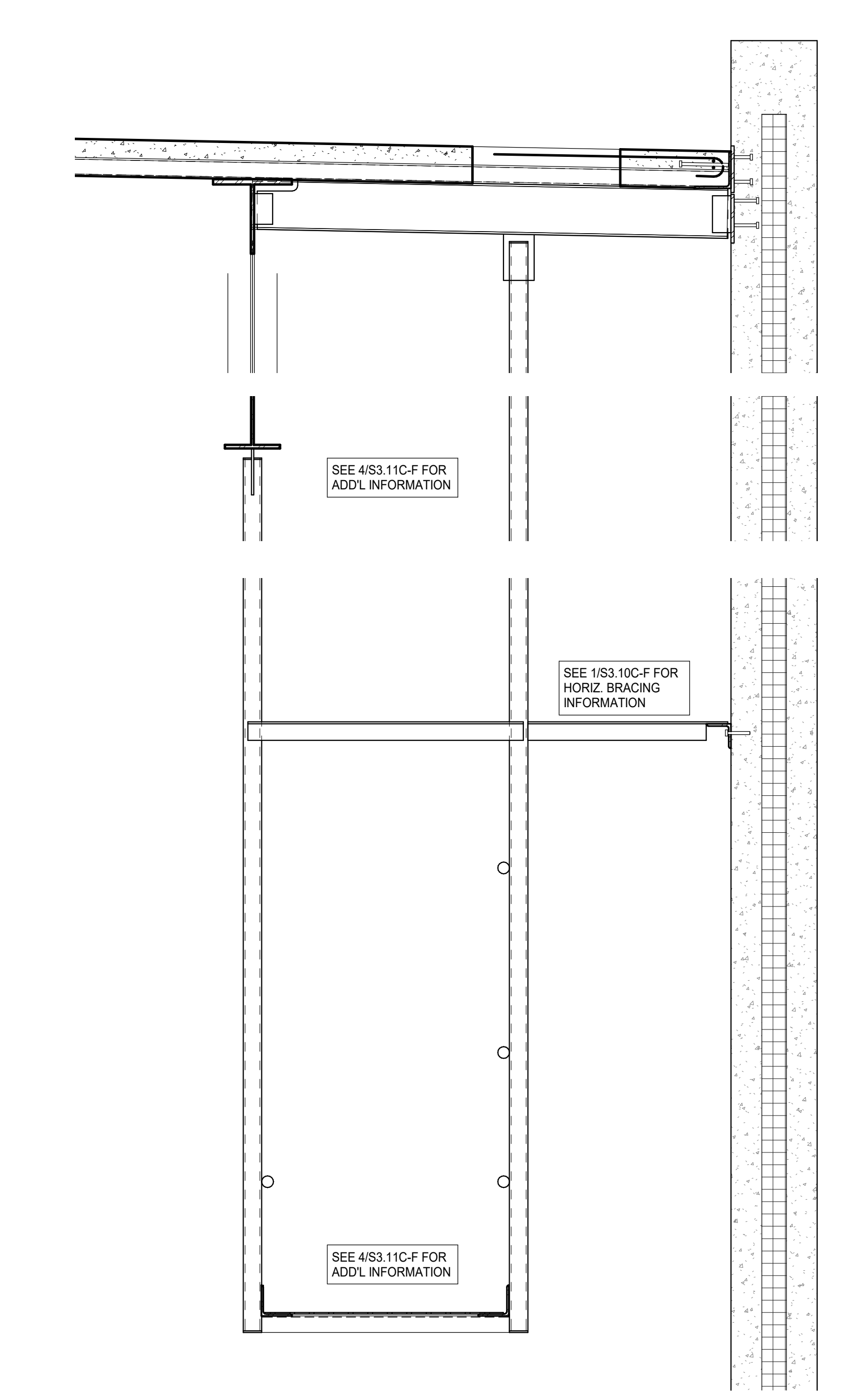
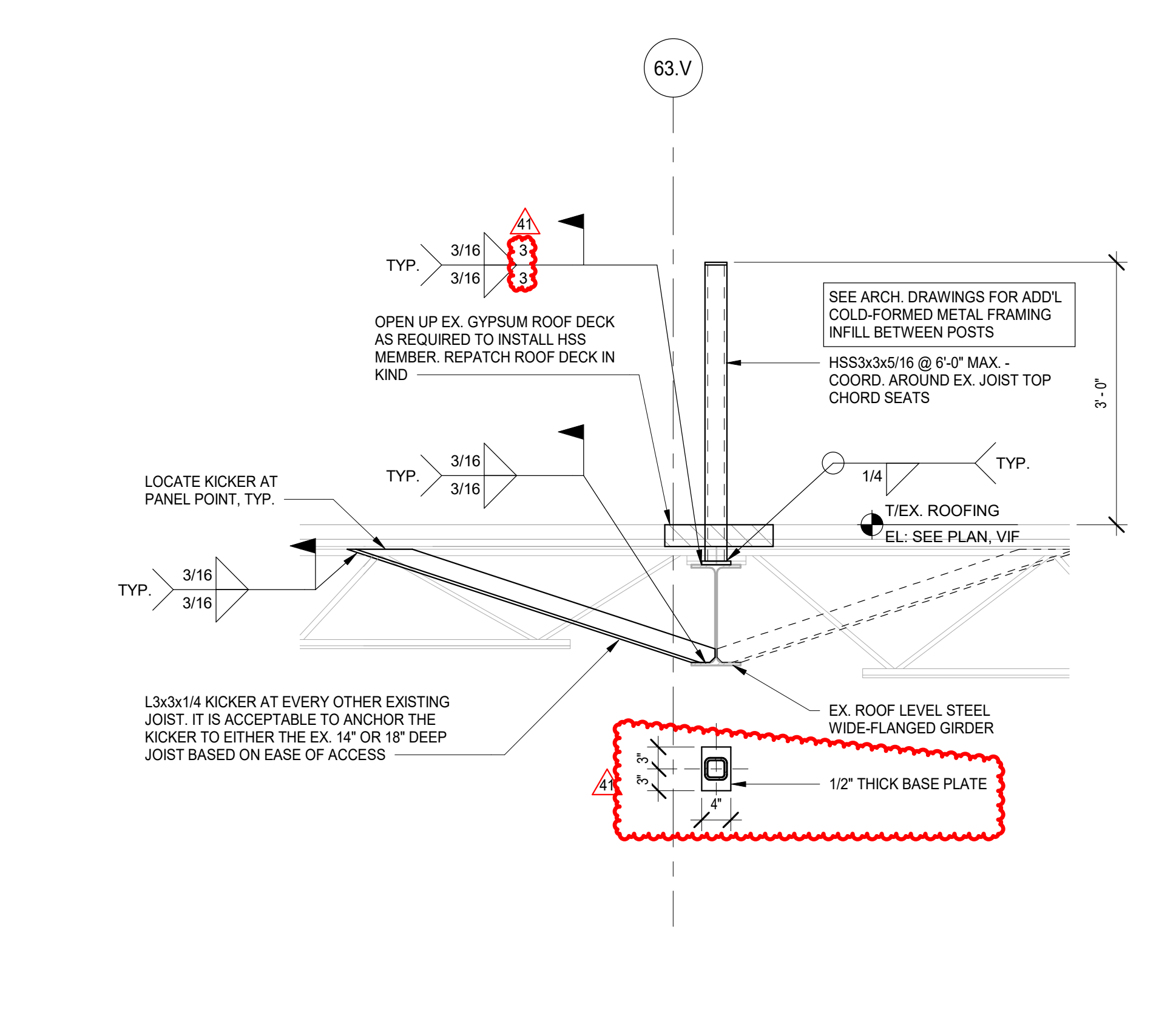
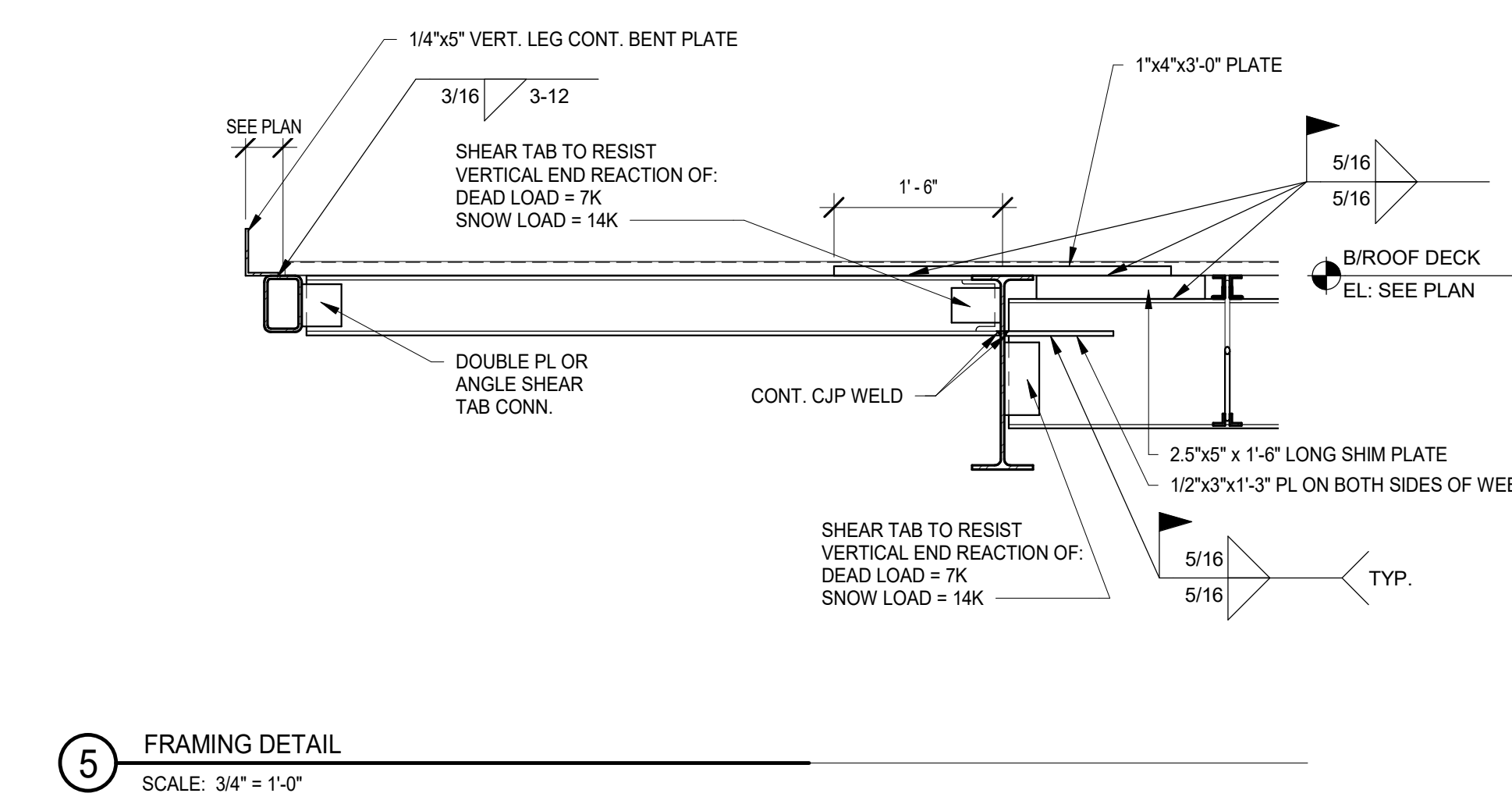
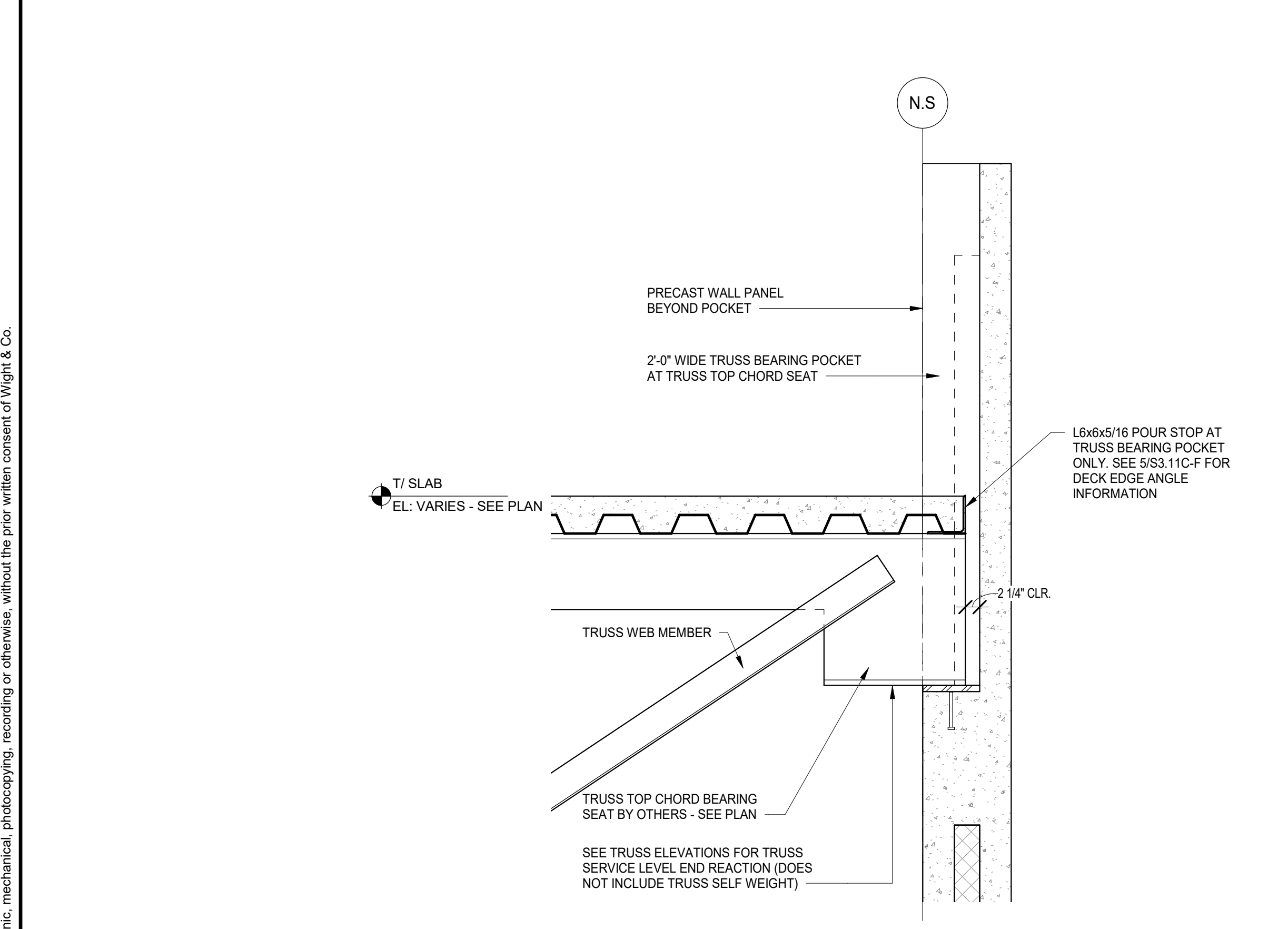
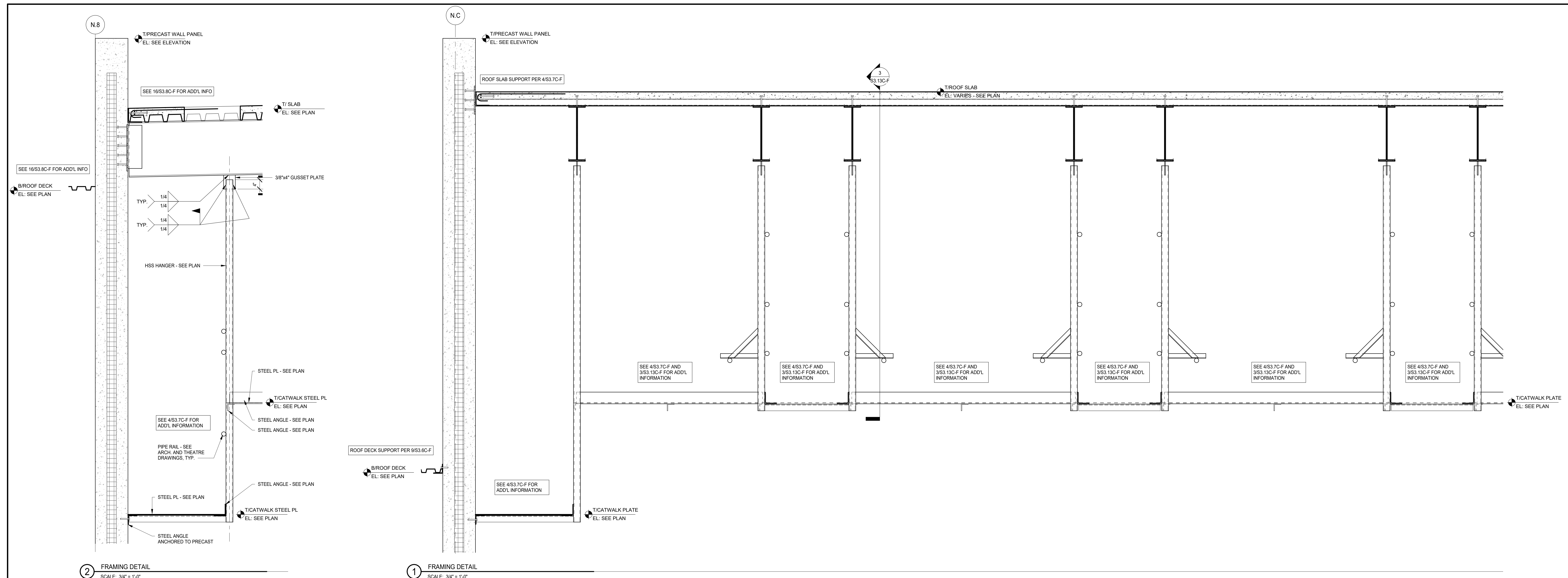
**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**NON-TYPICAL SECTIONS AND DETAILS**

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41	ADDENDUM 4 - BGR	12.16.2019
39	ADDENDUM 3 - BGR	12.11.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**NON-TYPICAL SECTIONS AND DETAILS**

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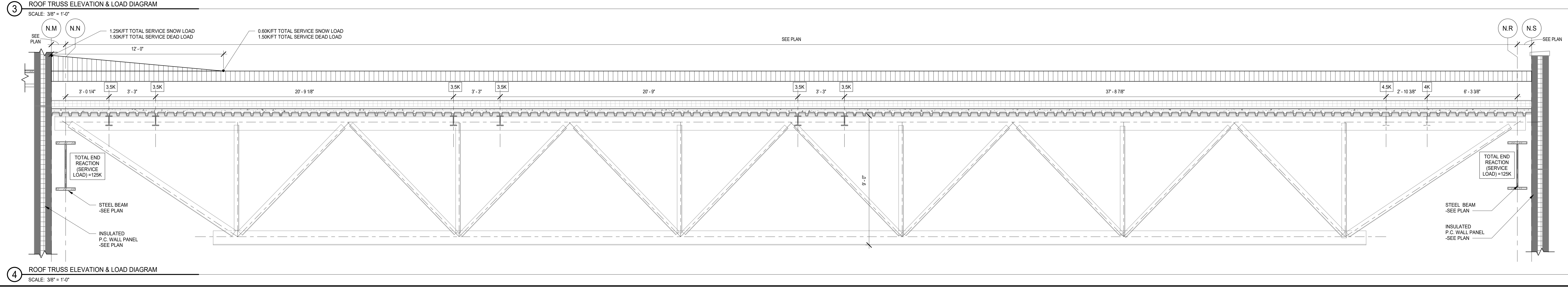
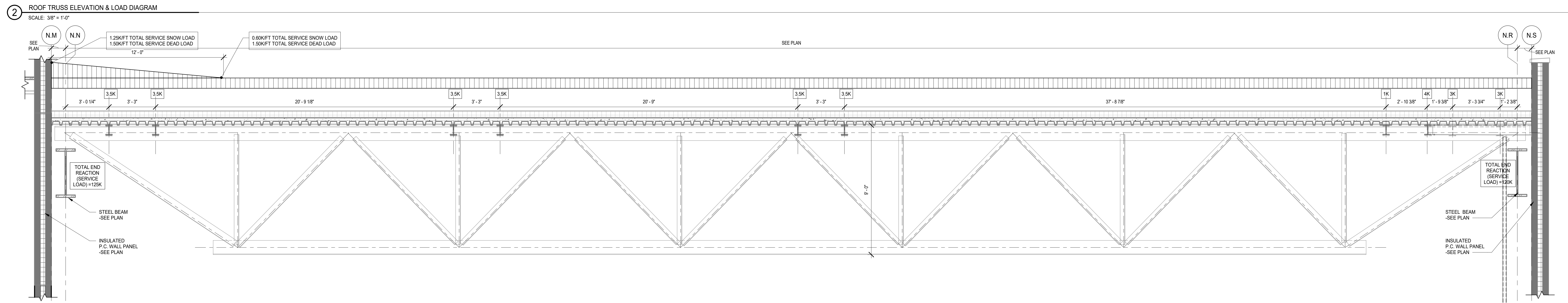
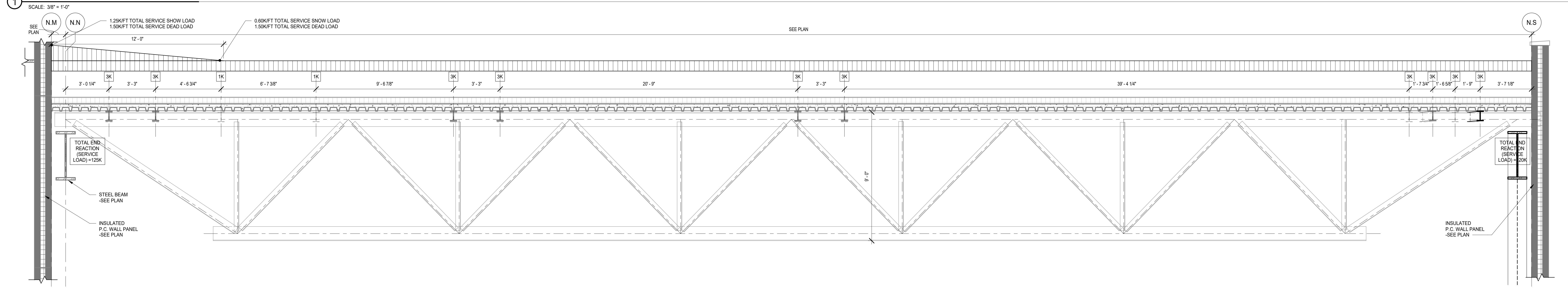
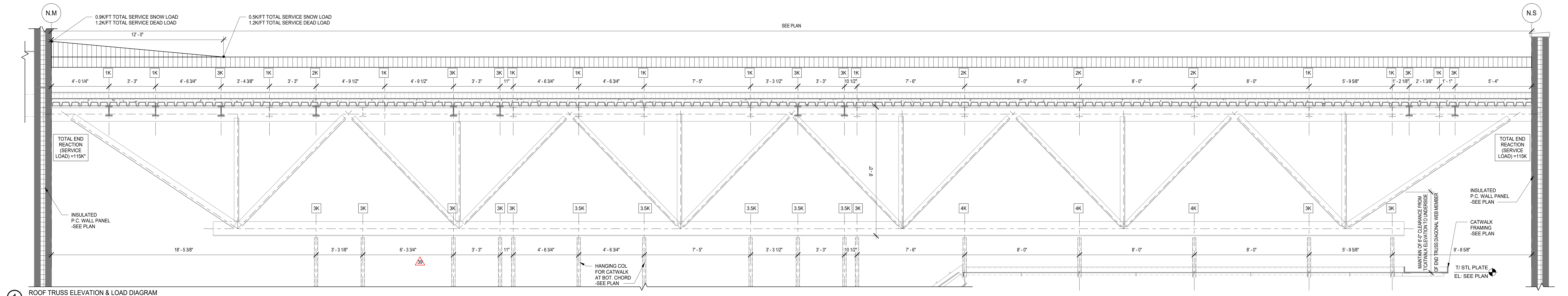


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2500 North Frontage Road  
Darien, IL 60561  
P 630.969.7000  
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- DELEGATED DESIGN NOTES FOR ROOF TRUSSES:**
- TOP AND BOTTOM CHORDS SHALL BE WT SHAPES. MINIMUM FLANGE WIDTH SHALL BE 8" AT TOP AND BOTTOM CHORDS.
  - ALL WEB MEMBERS ARE DOUBLE ANGLES WITH MINIMUM 4" WIDTH AND MAXIMUM 6" WIDTH.
  - ALL INDICATED LOADS ARE SERVICE LOAD. TOTAL UNIFORM AND TRAPEZOIDAL LOADS INCLUDES SNOW AND SNOW LOADS, SELF-WEIGHT OF COMPOSITE DECK AND WEIGHTS OF THE FOLLOWING:  
ROOF SYSTEM ABOVE THE COMPOSITE DECK; FUTURE PV PANEL LOADS ABOVE THE ROOF SYSTEM; CEILING, MEP AND LIGHTING SYSTEM BELOW THE COMPOSITE DECK; LOADS FROM CATWALK SYSTEM BELOW ARE INDICATED AS POINT LOADS. POINT LOADS CAN BE SEPARATED INTO 60/40 DEAD LOAD-TO-LIVE LOAD RATIO.
  - TRUSSES SHALL BE DESIGNED AS NON-COMPOSITE.
  - TRUSSES SHALL HAVE CROSS BRIDGING PER PLANS. TRUSS CROSS BRIDGING MAY ALSO BE DESIGNED BY THE STEEL CONTRACTOR, INCLUDING NUMBER OF LINES, SPACING AND SIZES. REFER TO PLAN NOTE 31 ON S2.5C-F AND PLAN 1 ON THE SAME SHEET FOR 4 LOCATIONS WHERE PLAN NOTE 31 APPLIES. CROSS BRIDGING SHALL NOT INTERFERE WITH CURRENT DUCT LOCATIONS - SEE 2/A4.25 FOR REFERENCE.
  - CAMBER 100% OF TRUSS DEAD LOAD (INCLUDING SUPERIMPOSED DEAD LOAD).
  - FIELD SURVEY BOTTOM CHORD ELEVATION OF TRUSS PRIOR TO INSTALLATION OF CATWALKS.
  - SELF-WEIGHT OF ROOF TRUSS IS NOT INCLUDED IN INDICATED DEAD LOADS.
  - ALL TRUSSES SHALL BE PLACED TO THE UNDERSIDE OF COMPOSITE DECK SLAB. FOR TRUSSES BEARING ON FLAT WIDE-FLANGED GIRDERS, ADJUST TRUSS SEAT DEPTH ACCORDINGLY TO THE GAP BETWEEN UNDERSIDE OF COMPOSITE DECK SLAB AND TOP OF WIDE FLANGED GIRDER.
  - INDICATES END REACTION AND SELF-WEIGHT OF TRUSS SHALL BE ADDED FOR TOTAL LOADS. TYPICAL AT ALL END REACTIONS OF EACH TRUSS.
  - TRUSSES SHALL BE DESIGNED FOR A MAXIMUM LIVE LOAD DEFLECTION OF 2.75" AT MIDSPAN. NET DEAD LOAD DEFLECTION AT MIDSPAN AFTER CAMBER SHALL NOT EXCEED 1.0".
  - TRUSS DIAGONAL AND VERTICAL WEB MEMBER LAYOUT SHALL MATCH THE LAYOUT INDICATED ON THE ELEVATIONS BELOW.



**NOT FOR CONSTRUCTION**

41	ADDENDUM 4 - BGR	12.16.2019
39	ADDENDUM 3 - BGR	12.11.2019
REV	ISSUED FOR BID GROUP B-PHASE C	11.20.2019
	ISSUE	DATE

**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**MISCELLANEOUS ELEVATIONS**

Project Number:  
5274-42  
Drawn By:  
Author  
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**S4.4C-F**

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41 ADDENDUM 4 - BGR 12.16.2019  
39 ADDENDUM 3 - BGR 12.11.2019  
ISSUED FOR BID GROUP B-PHASE C 11.20.2019  
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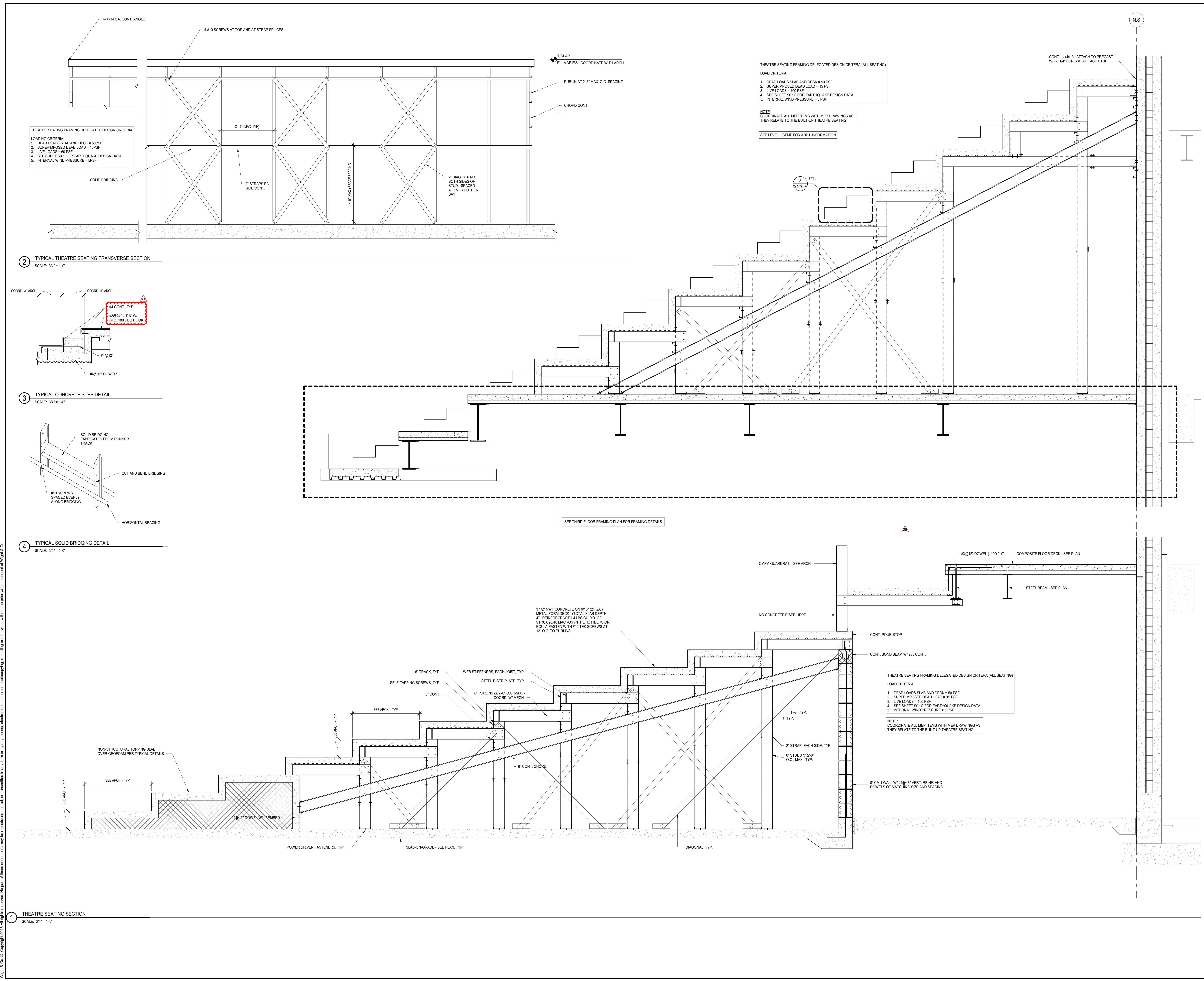
**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**THEATRE BUILD-UP SEATING ELEVATIONS AND DETAILS**

Project Number:  
5274-42  
Drawn By:  
J.G.  
Sheet:

**S4.7C-F**



**THEATRE SEATING FRAMING DELEGATED DESIGN CRITERIA**  
LOADING CRITERIA:  
1. DEAD LOADS SLAB AND DECK = 50 PSF  
2. SUPERIMPOSED DEAD LOAD = 15 PSF  
3. LIVE LOADS = 100 PSF  
4. SEE SHEET S0.1 FOR EARTHQUAKE DESIGN DATA  
5. INTERNAL WIND PRESSURE = 5 PSF

**THEATRE SEATING FRAMING DELEGATED DESIGN CRITERIA (ALL SEATING)**  
LOAD CRITERIA:  
1. DEAD LOADS SLAB AND DECK = 50 PSF  
2. SUPERIMPOSED DEAD LOAD = 15 PSF  
3. LIVE LOADS = 100 PSF  
4. SEE SHEET S0.1C FOR EARTHQUAKE DESIGN DATA  
5. INTERNAL WIND PRESSURE = 5 PSF

**NOTE:**  
COORDINATE ALL MEP ITEMS WITH MEP DRAWINGS AS THEY RELATE TO THE BUILT-UP THEATRE SEATING  
**SEE LEVEL 1 CFMF FOR ADDL INFORMATION**

**THEATRE SEATING FRAMING DELEGATED DESIGN CRITERIA (ALL SEATING)**  
LOAD CRITERIA:  
1. DEAD LOADS SLAB AND DECK = 50 PSF  
2. SUPERIMPOSED DEAD LOAD = 15 PSF  
3. LIVE LOADS = 100 PSF  
4. SEE SHEET S0.1C FOR EARTHQUAKE DESIGN DATA  
5. INTERNAL WIND PRESSURE = 5 PSF

**NOTE:**  
COORDINATE ALL MEP ITEMS WITH MEP DRAWINGS AS THEY RELATE TO THE BUILT-UP THEATRE SEATING

**2 TYPICAL THEATRE SEATING TRANSVERSE SECTION**  
SCALE: 3/4" = 1'-0"

**3 TYPICAL CONCRETE STEP DETAIL**  
SCALE: 3/4" = 1'-0"

**4 TYPICAL SOLID BRIDGING DETAIL**  
SCALE: 3/4" = 1'-0"

**1 THEATRE SEATING SECTION**  
SCALE: 3/4" = 1'-0"

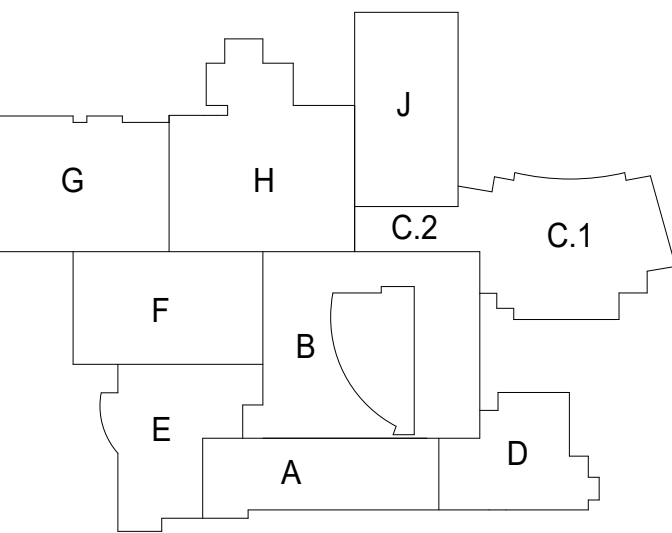
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41	ISSUED FOR ADDENDUM 4 - BG8	12.16.2019
39	ISSUED FOR ADDENDUM 3 - BG5	12.11.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
34	ISSUED FOR 75% CONSTRUCTION DOCUMENTS - PHASE C	10.14.2019
	ISSUED FOR CONSTRUCTION - PHASE B	08.28.2019
31	ISSUED FOR PLAN REVIEW RESPONSE - PHASE B	08.05.2019
24	ISSUED FOR ADDENDUM 2 - BOT	06.27.2019
	ISSUED FOR PLAN REVIEW - PHASE B	06.24.2019
	ISSUED FOR BID GROUP 7 - PHASE B	06.07.2019
	ISSUED FOR 75% CONSTRUCTION DOCUMENTS	05.10.2019
	ISSUED FOR BID GROUP 6 - PHASE B	05.10.2019
	ISSUED FOR CONSTRUCTION - PHASE A	05.08.2019
8	ISSUED FOR ADDENDUM 3 - BG3	03.29.2019
	ISSUED FOR CODE CONSULTANT REVIEW	02.20.2019
	ISSUED FOR BID GROUP 2 - PHASE A	02.06.2019
	ISSUED FOR BG 1 - PHASE A	01.18.2019
	ISSUED FOR 50% CONSTRUCTION DOCUMENTS - PHASE A	11.28.2018
	ISSUED FOR SCHEMATIC DESIGN - PHASE A	11.05.2018
	ISSUED FOR SCHEMATIC DESIGN - PHASE A	09.19.2018

REV ISSUE DATE

## MFP IMPLEMENTATION - SOUTH

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

### OVERALL ROOF PLAN

Project Number:  
5274-42  
Drawn By:  
A.SASSILA  
Sheet:

# A2.04

KEYNOTES - ROOF PLAN	
30	ROOFTOP MECHANICAL EQUIPMENT PROVIDE EQUIPMENT SCREEN MOUNTED TO EQUIPMENT. REFER TO SPECIFICATION SECTION 100313 FOR ROOFTOP EQUIPMENT SCREENING REQUIREMENTS.
36	CONT EXPANSION JOINT COVER CANT TO WALL STYLE PER SPEC SECTION 077029.
37	ALUMINUM LADDER WITH PARAPET PLATFORM.
43	510 RATED FIRE & SMOKE VENT. REFER TO SPECIFICATION SECTION 077236 FOR REQUIREMENTS.
65	ROOF ACCESS HATCH PROVIDE COLD-FORMED METAL FRAMING PARAPET TO 30" ABOVE ROOF. COLD-FORMED METAL FRAMING TO BE SUPPORTED BY MISCELLANEOUS STEEL UPRIGHTS CENTERED BEAM BELOW.

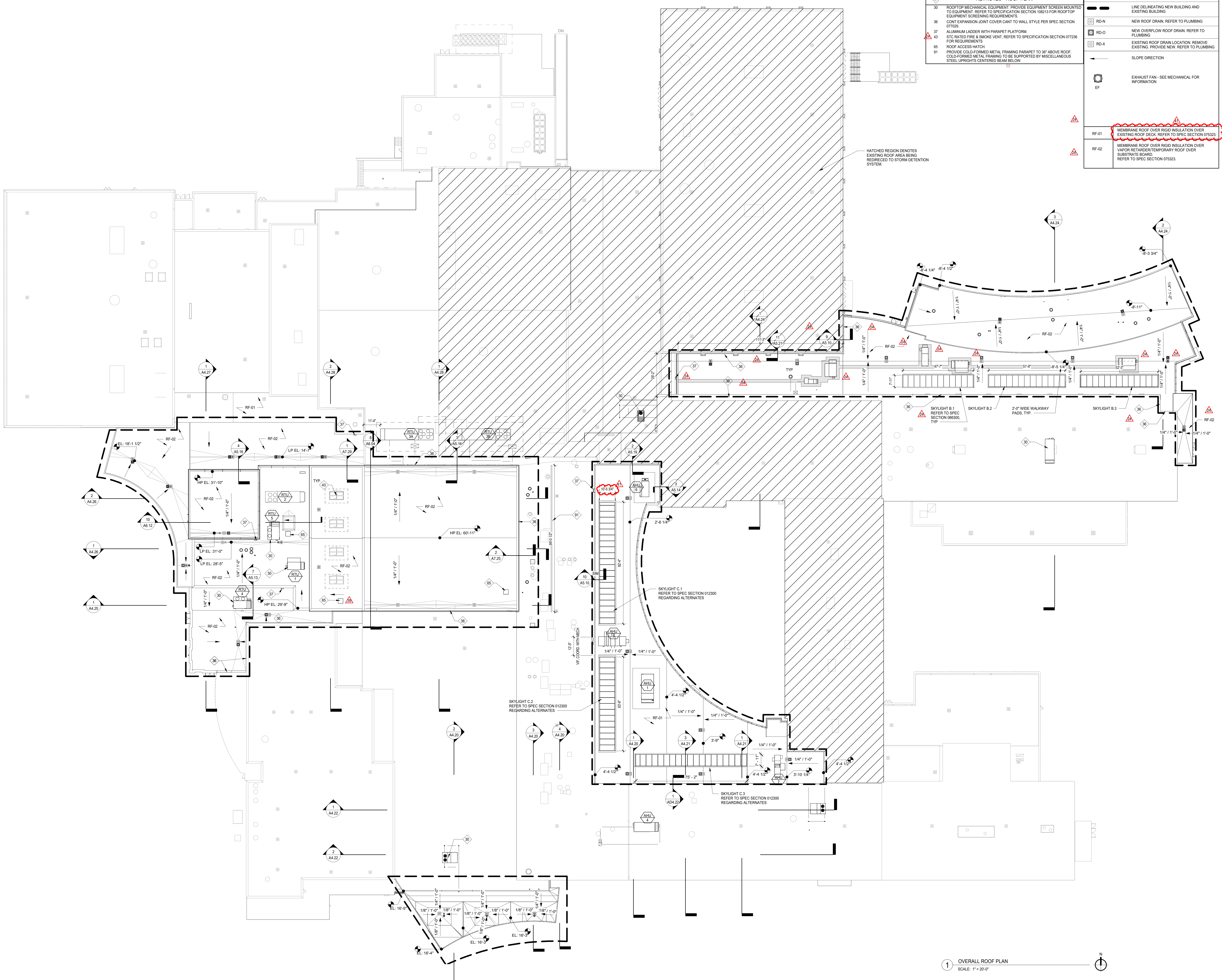
  

LEGEND	
	LINE DELINEATING NEW BUILDING AND EXISTING BUILDING
	NEW ROOF DRAIN. REFER TO PLUMBING
	NEW OVERFLOW ROOF DRAIN. REFER TO PLUMBING
	EXISTING ROOF DRAIN LOCATION, REMOVE EXISTING. PROVIDE NEW. REFER TO PLUMBING
	SLOPE DIRECTION
	EXHAUST FAN - SEE MECHANICAL FOR INFORMATION

RF-01	MEMBRANE ROOF OVER RIGID INSULATION OVER EXISTING ROOF DECK. REFER TO SPEC SECTION 075323.
RF-02	MEMBRANE ROOF OVER RIGID INSULATION OVER VAPOR RETARDER/TEMPORARY ROOF OVER SUBSTRATE BOARD. REFER TO SPEC SECTION 075323.

HATCHED REGION DENOTES EXISTING ROOF AREA BEING REDIRECTED TO STORM DETENTION SYSTEM.



1 OVERALL ROOF PLAN  
SCALE: 1" = 20'-0"

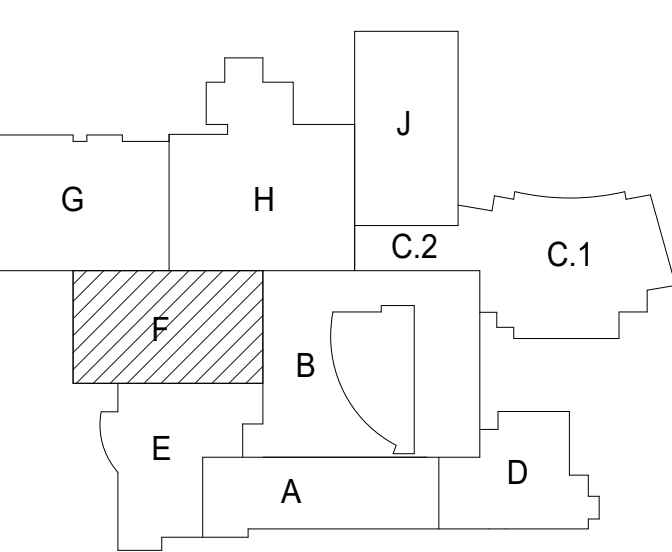
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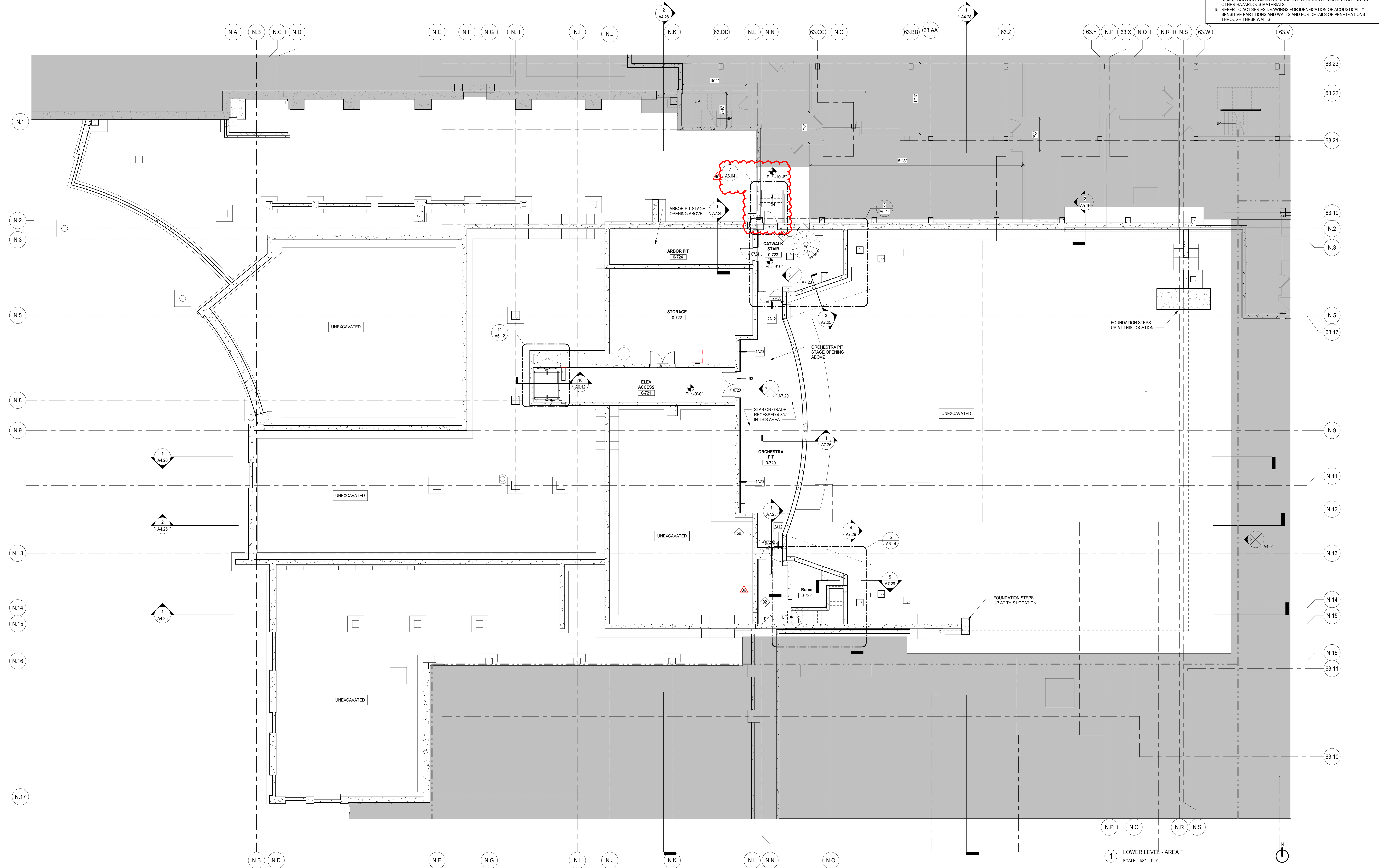
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#	KEYNOTES	FLOOR PLAN LEGEND	GENERAL NOTES
59	HORIZONTAL COMPRESSION CAP PASS THROUGH. SEE DETAIL 8A7.28	EXISTING WALL	<p>1. ALL ITEMS THAT ARE TO BE REMOVED OR REINSTALLED OR SAVED ARE TO BE TAGGED AND CAREFULLY STORED (SEE OWNER FOR LOCATION).</p> <p>2. ALL AREAS AFFECTED BY DEMOLITION TO BE PATCHED, REPAIRED, &amp; LEVELED TO MATCH EXISTING ADJACENT SURFACE (MATCH EXISTING CONDITION AT DOOR JAMB) VERIFY IN FIELD.</p> <p>3. THE CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF WORK. INCIDENTAL WORK ASSOCIATED BUT NOT SHOWN ON THE CONSTRUCTION DOCUMENTS MAY BE REQUIRED OUTSIDE THE PROJECT AREAS. THIS WORK IS PART OF THE CONSTRUCTION CONTRACT AND IS TO BE COMPLETED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.</p> <p>4. ALL ITEMS INDICATED TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DAMAGED ITEMS ARE TO BE PATCHED &amp; REPAIRED OR REPLACED AS REQUIRED TO MATCH ADJACENT SURFACE. AT NO ADDITIONAL COST TO THE OWNER.</p> <p>5. WHEN THE REMOVAL OF EXISTING SURFACE MATERIAL IS REQUIRED TO COMPLETE CONTRACT WORK AND A NEW FINISH IS NOT SCHEDULED, PATCH/REPAIR AND PRIME THE AFFECTED SURFACE TO RECEIVE NEW FINISH.</p> <p>6. NEW SLEEVES AND OPENINGS IN THE EXISTING FLOOR, WALL &amp; CEILING CONSTRUCTION ARE TO BE SEALED WITH FIRE SAFETY MATERIAL.</p> <p>7. ALL MISC. ITEMS (CHAIRBOARDS, PENCIL SHARPENERS, ETC.) THAT INTERFERE WITH THE COMPLETION OF CONTRACT WORK BUT ARE NOT SHOWN TO BE REMOVED ARE TO BE REMOVED, STORED, AND REINSTALLED AT NO ADDITIONAL COST TO THE OWNER. IN THE EVENT THAT ITEMS CANNOT BE REINSTALLED IN ITS ORIGINAL LOCATION COORDINATE NEW LOCATION WITH ARCHITECT/OWNER.</p> <p>8. U.N.O. CONTRACTOR TO REMOVE EXISTING FLOORING AND BASE AS REQUIRED TO ACCOMMODATE DOOR ASSEMBLIES. PATCH/REPAIR AS NECESSARY TO MATCH ADJACENT SURFACES.</p> <p>9. REFER TO MEP/FD DRAWINGS FOR DEMOLITION/REMOVAL/RELOCATION AND INSTALLATION OF FIXTURES AND DEVICES.</p> <p>10. SEE STRUCTURAL DEMOLITION DRAWINGS FOR SHORING AND WALL RETAINING REQUIREMENTS PRIOR TO START OF DEMOLITION.</p> <p>11. UPON REMOVAL OF DOORS, SHORE OPENINGS AS REQUIRED. SECURE ALL NEW FRAMES PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE LITTELS AS REQUIRED. SEE STRUCTURAL DRAWINGS.</p> <p>12. ON DOORS THAT ARE TO BE REMOVED RETURN ALL DOOR HARDWARE TO OWNER PRIOR TO DISPOSAL.</p> <p>13. ALL ELECTRICAL DEVICES &amp; ASSEMBLIES BEING AFFECTED BY DEMO OF DOORS TO BE REINSTALLED AND RECONNECTED AT NO ADDITIONAL COST TO THE OWNER.</p> <p>14. COORDINATE WITH ABATEMENT CONTRACTOR FOR AREAS CALLED FOR DEMOLITION CONTAINING OR SUSPECTED TO CONTAIN ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS.</p> <p>15. REFER TO ACI SERIES DRAWINGS FOR IDENTIFICATION OF ACOUSTICALLY SENSITIVE PARTITIONS AND WALLS AND FOR DETAILS OF PENETRATIONS THROUGH THESE WALLS.</p>
61	INFILL EXISTING OPENING PER STRUCTURAL DRAWING	NEW GYPSUM BOARD PARTITION	
62	36"x36" ACCESS DOOR TO EXISTING PIPE TUNNEL	NEW CMU PARTITION	
63	REFERENCE SHEET A10.00 FOR FLUSH TRANSITION DETAIL & ASSOCIATED MISC. METALS	NEW DOOR/HARDWARE. REFER TO SHEET A8 SERIES FOR DOOR SCHEDULE	
		EXISTING DOOR TO REMAIN. REFER TO SHEET A8.1 FOR DOOR SCHEDULE FOR REQUIRED MODIFICATIONS.	
		METAL LOCKER: 5% OF TOTAL PROVIDED QUANTITY SHALL BE ACCESSIBLE. COORDINATE ADA COMPLIANT LOCKER LOCATIONS WITH ARCHITECT/OWNER PRIOR TO INSTALLATION	
		PARTITION TYPE & DETAILS. REFER TO SHEET A8.00	
		ALUMINUM STOREFRONT/WINDOW TYPE. REFER TO A8.10 SERIES	
		DOOR TAG. REFER TO A8.10 SERIES	
		SPECIALTY EQUIPMENT TAG	



1 LOWER LEVEL - AREA F  
SCALE: 1/8" = 1'-0"

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40	ISSUED FOR ADDENDUM 4 - BGR	12.16.2019
36	ISSUED FOR ADDENDUM 2 - BGR	12.04.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
34	ISSUED FOR 75% CONSTRUCTION DOCUMENTS - PHASE C	10.14.2019
	ISSUED FOR DESIGN DEVELOPMENT	07.12.2019
	ISSUED FOR SCHEMATIC DESIGN - PHASE A	11.05.2018
	ISSUED FOR SCHEMATIC DESIGN - PHASE A	09.19.2018

### MFP IMPLEMENTATION - SOUTH

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

### FLOOR PLAN LOWER LEVEL AREA F

Project Number:  
5274-42  
Drawn By:  
A.SASSILA  
Sheet:

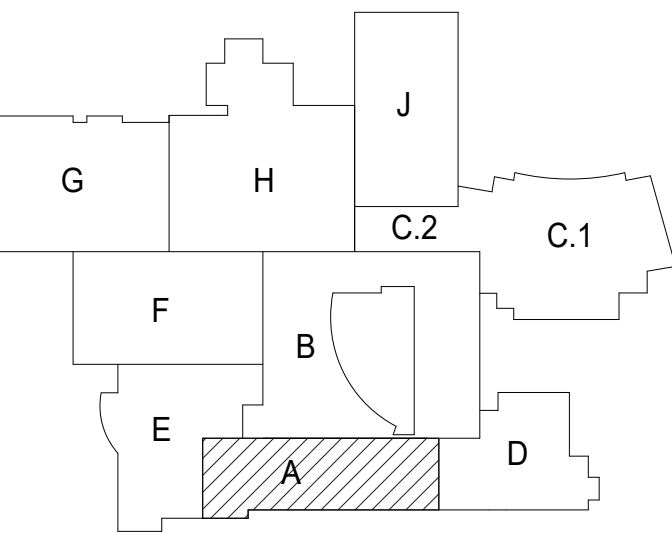
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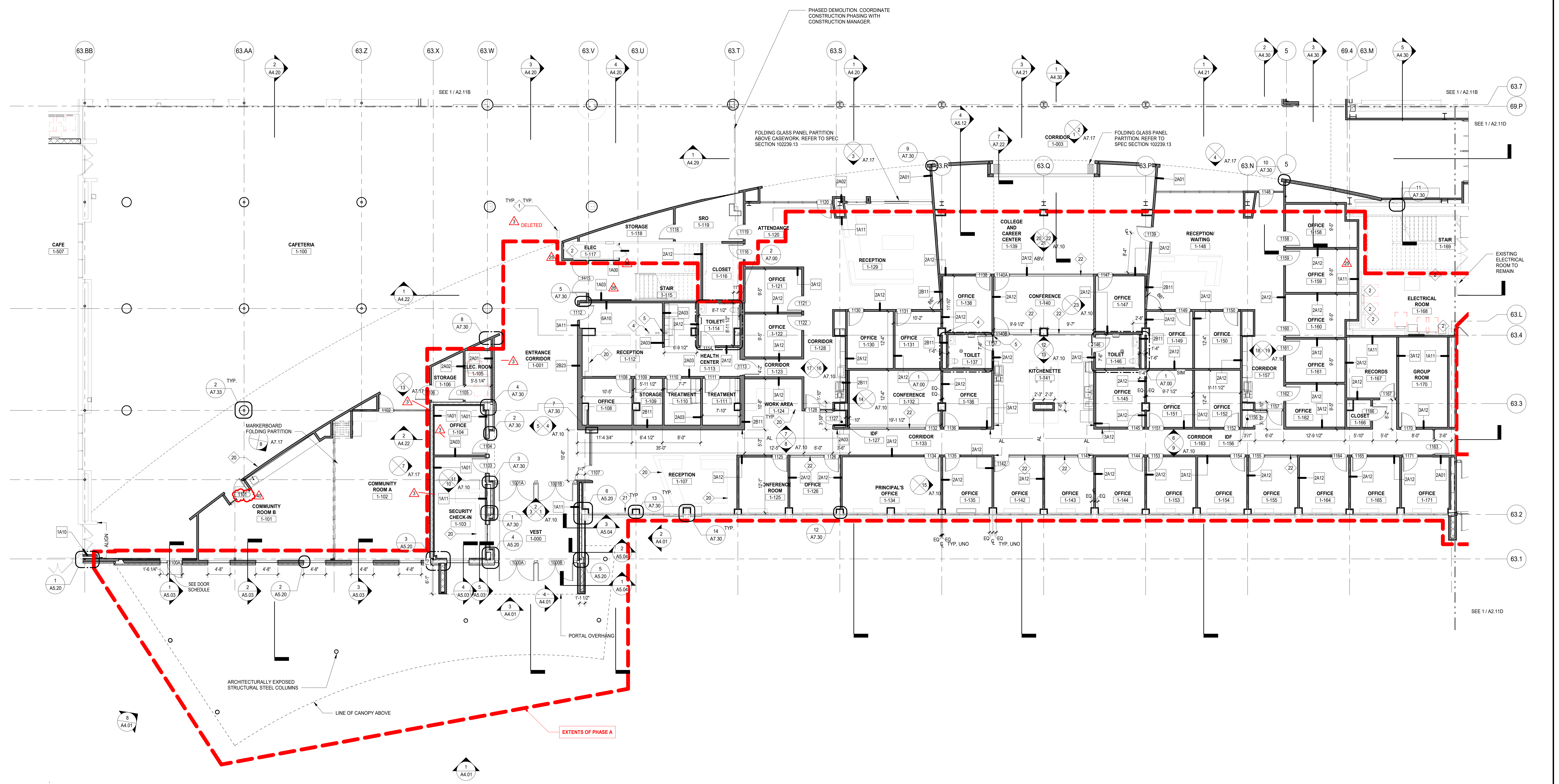
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#	KEYNOTES	FLOOR PLAN LEGEND	GENERAL NOTES - WALL PLACEMENT & DIMENSIONS	GENERAL NOTES
1	EXISTING ELECTRICAL PANEL TO BE REMOVED, RELOCATED OR REFINISHED. REFER TO ELECTRICAL DRAWINGS FOR MORE DETAILS. COORDINATE PHASED CONSTRUCTION TO MINIMIZE OUTAGES.	EXISTING WALL	1. REFER TO ENLARGED STAIRWELL PLANS & ELEVATOR PLANS FOR WALL LOCATIONS IN RELATION TO STRUCTURAL CENTERLINES.	1. ALL ITEMS THAT ARE TO BE REMOVED AND REINSTALLED OR SAVED ARE TO BE TAGGED AND CAREFULLY STORED (SEE OWNER FOR LOCATION).
2	EXISTING ELECTRICAL PANEL TO REMAIN. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.	NEW GYPSUM BOARD PARTITION	2. ALL DIMENSIONS ARE TO FACE OF WALL MATERIAL (GYPSUM BOARD OR MASONRY) UNLESS NOTED OTHERWISE.	2. ALL AREAS AFFECTED BY DEMOLITION TO BE PATCHED, REPAIRED, & LEVELLED TO MATCH EXISTING ADJACENT SURFACE (MATCH EXISTING CONDITION AT DOOR JAMBS VERIFY IN FIELD).
3	SUSPECTED LOCATION OF EXISTING DOWNSPOUT.	NEW CMU PARTITION	(DIMENSION) DIMENSION IS CRITICAL. HOLD DIMENSION FACE TO FACE OF WALL.	3. THE CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF WORK. INCIDENTAL WORK ASSOCIATED BUT NOT SHOWN ON THE CONSTRUCTION DOCUMENTS MAY BE REQUIRED OUTSIDE THE PROJECT AREAS. THIS WORK IS PART OF THE CONSTRUCTION CONTRACT AND IS TO BE COMPLETED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
4	SUSPECTED LOCATION OF EXISTING PIPE RISERS.	EXISTING DOOR TO REMAIN. REFER TO SHEET A8.1 FOR DOOR SCHEDULE FOR REQUIRED MODIFICATIONS.	(DIMENSION) CL DIMENSION TO STRUCTURAL COLUMN CENTERLINE.	4. ALL ITEMS INDICATED TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DAMAGED ITEMS ARE TO BE PATCHED & REPAIRED OR REPLACED AS REQUIRED TO MATCH ADJACENT SURFACE. AT NO ADDITIONAL COST TO THE OWNER.
20	CUSTOM ARCHITECTURAL WOODWORK. REFER TO CASEWORK PLANS AND DETAILS FOR MORE INFORMATION.	METAL LOCKER: 5% OF TOTAL PROVIDED QUANTITY SHALL BE ACCESSIBLE. COORDINATE ADA COMPLIANT LOCKER LOCATIONS WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.	AL ALIGN FACES OF WALL.	5. WHEN THE REMOVAL OF EXISTING SURFACE MATERIAL IS REQUIRED TO COMPLETE CONTRACT WORK AND A NEW FINISH IS NOT SCHEDULED, PATCH/REPAIR AND PRIME THE AFFECTED SURFACE TO RECEIVE NEW FINISH.
21	NEW SOLID SURFACE SILL ON EXISTING CONSTRUCTION. REFER TO WALL SECTION DETAILS AND CASEWORK PLANS AND DETAILS.	PARTITION TYPE & DETAILS. REFER TO SHEET A8.00		6. NEW SLEEVES AND OPENINGS IN THE EXISTING FLOOR, WALL & CEILING CONSTRUCTION ARE TO BE SEALED WITH FIRE SAFETY MATERIAL.
22	INTERIOR GLASS PARTITION SYSTEM. REFERENCE SPEC SECTION 081216.	ALUMINUM STOREFRONT/WINDOW TYPE. REFER TO A8.10 SERIES		7. ALL MISC. ITEMS (CHAIRBOARDS, FENCE, SHARPENERS, ETC.) THAT INTERFERE WITH THE COMPLETION OF CONTRACT WORK BUT ARE NOT SHOWN TO BE REMOVED ARE TO BE REMOVED, STORED, AND REINSTALLED AT NO ADDITIONAL COST TO THE OWNER. IN THE EVENT THAT ITEMS CANNOT BE REINSTALLED IN ITS ORIGINAL LOCATION COORDINATE NEW LOCATION WITH ARCHITECT/OWNER.
		DOOR TAG. REFER TO A8.10 SERIES		8. U.O. CONTRACTOR TO REMOVE EXISTING FLOORING AND BASE AS REQUIRED TO ACCOMMODATE DOOR ASSEMBLIES. PATCH/REPAIR AS NECESSARY TO MATCH ADJACENT SURFACES.
		SPECIALTY EQUIPMENT TAG		9. REFER TO MEP/FP DRAWINGS FOR DEMOLITION/REMOVAL/RELOCATION AND INSTALLATION OF FIXTURES AND DEVICES.
				10. SEE STRUCTURAL DEMOLITION DRAWINGS FOR SHORING AND WALL RETAINING REQUIREMENTS PRIOR TO START OF DEMOLITION.
				11. UPON REMOVAL OF DOORS, SHORE OPENINGS AS REQUIRED. SECURE ALL NEW FRAMES PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE LABELS AS REQUIRED. SEE STRUCTURAL DRAWINGS.
				12. ON DOORS THAT ARE TO BE REMOVED RETURN ALL DOOR HARDWARE TO OWNER PRIOR TO DISPOSAL.
				13. ALL ELECTRICAL DEVICES & ASSEMBLIES BEING AFFECTED BY DEMO OF DOORS TO BE REINSTALLED AND RECONNECTED AT NO ADDITIONAL COST TO THE OWNER.
				14. COORDINATE WITH ABATEMENT CONTRACTOR FOR AREAS CALLED FOR DEMOLITION CONTAINING OR SUSPECTED TO CONTAIN ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS.
				15. REFER TO ACI SERIES DRAWINGS FOR IDENTIFICATION OF ACoustically SENSITIVE PARTITIONS AND WALLS AND FOR DETAILS OF PENETRATIONS THROUGH THESE WALLS.



REV	ISSUE	DATE
40	ISSUED FOR ADDENDUM 4 - BG8	12.16.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
34	ISSUED FOR 75% CONSTRUCTION DOCUMENTS - PHASE C	10.14.2019
	ISSUED FOR DESIGN DEVELOPMENT	07.12.2019
28	ISSUED FOR DOC MOD 013	07.15.2019
25	ISSUED FOR DOC MOD 012	06.28.2019
	ISSUED FOR CONSTRUCTION - PHASE A	05.08.2019
8	ISSUED FOR ADDENDUM 3 - BG3	03.29.2019
	ISSUED FOR CODE CONSULTANT REVIEW	02.20.2019
3	ISSUED FOR ADDENDUM 1 - BG2	02.15.2019
	ISSUED FOR BID GROUP 2 - PHASE A	02.06.2019
	ISSUED FOR OWNER REVIEW	01.18.2019
	ISSUED FOR BID 1 - PHASE A	01.16.2019
	ISSUED FOR 50% CONSTRUCTION DOCUMENTS - PHASE A	11.28.2018
	ISSUED FOR SCHEMATIC DESIGN	11.05.2018
	ISSUED FOR SCHEMATIC DESIGN - PHASE A	09.19.2018

**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**FLOOR PLAN LEVEL 1 AREA A**

Project Number: 5274-42  
Drawn By: A.SASSILA  
Sheet:

**A2.11A**

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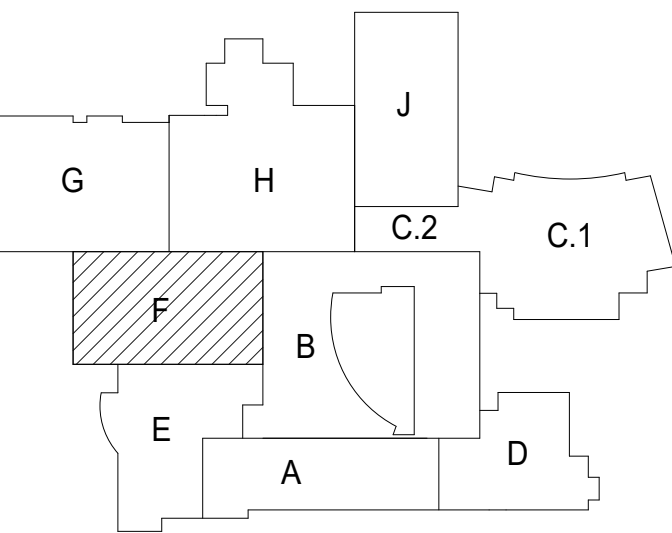
1 LEVEL 1 - AREA A  
SCALE: 1/8" = 1'-0"



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SYMBOL	MANUFACTURER	MATERIAL	DESCRIPTION
ACT-1	ARMSTRONG	2X2 ACOUSTICAL CEILING SYSTEM	
ACT-2	ARMSTRONG	2X4 ACOUSTICAL CEILING SYSTEM	
ACT-3	ARMSTRONG	2X2 FOOD SERVICE	
E-WP-2		SEE EXTERIOR FINISH LEGEND	
GYP-1	AMERICAN GYPSUM	GYPSUM BOARD CEILING	
GYP-3	AMERICAN GYPSUM	GYPSUM BOARD CEILING	
GYP-4	AMERICAN GYPSUM	GYPSUM BOARD CEILING	
GYP-6	AMERICAN GYPSUM	ACOUSTICAL GYPSUM BOARD CEILING	
MTL-1	TBO	FLUSH REVEAL METAL PANEL	
WD-1		SOFFIT	

- KEY NOTES**
- 10'-0" ACT-1 CEILING HEIGHT
  - CEILING FINISH
  - 84 PROVIDE ACOUSTICAL BATT INSULATION ABOVE SUSPENDED CEILING.
  - C3 PAINT GYPSUM BOARD CEILING PT-2.
  - C7 SUSPENDED PROJECTOR.
  - C14 SUSPENDED PROJECTION SCREEN.
  - C22 CONTINUOUS SOFFIT VENT.
  - C23 MOTORISED BLACK-OUT ROLLER SHADE SUSPENDED FROM BEAM PLATE AND INSTALLED BY RIGGING CONTRACTOR.
  - C28 SUSPENDED PIPE GRID SYSTEM W/ CROSS CONNECTORS. PAINT UPT-3.
  - C29 MODIFY EXISTING CEILING GRID TO ACCEPT NEW PARTITION WALLS.
  - C32 PAINTED UNDERSIDE OF CATWALK/STAIRS. PAINT PT-3.
  - C37 CEILING EXPANSION JOINT COVER C.J-1.
  - C38 PAINT EXPOSED CEILING PT-3.
  - C45 CURTAIN TRACK - REFER TO THEATRE RIGGING DRAWINGS.

**REFLECTED CEILING PLAN SYMBOL LEGEND**

	LINEAR LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	2X4 RECESSED LIGHT FIXTURE
	RECESSED CAN LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	WALL SCONCE
	EXISTING 2X4 RECESSED LIGHT FIXTURE
	EXISTING RECESSED LIGHT FIXTURE
	ROLLER SHADES
	2 x 4 ACOUSTICAL CEILING SYSTEM
	2 x 2 ACOUSTICAL CEILING SYSTEM
	GYPSUM BOARD CEILING
	CONTROL JOINT ON GYPSUM CEILING

- GENERAL NOTES**
- TYPICAL CEILINGS SHALL BE 9'-0" AFF UNLESS NOTED OTHERWISE.
  - ALL LIGHT FIXTURES CENTERED IN ROOM UNLESS NOTED OTHERWISE.
  - CENTER ALL CEILING MOUNTED DEVICES WITHIN 2X2 OR 2X4 SECTION OF SCORED 2X4 CEILING TILE TYP.
  - PAINT EXPOSED UNDERSIDE OF ROOF/DESKFLOOR STRUCTURE. EXPOSED STRUCTURAL STEEL BEAMS, EXPOSED UTILITY PIPING AND ALL OTHER PAINTABLE SURFACES - SEE SPECIFICATIONS FOR FURTHER CLARIFICATION.
  - REMOVE ALL CEILING DEVICES SUCH AS BUT NOT LIMITED TO LIGHT FIXTURES, EXIT SIGNS, EMERGENCY DEVICES, EMERGENCY LIGHTS, AND ANY OTHER SUPPORT SYSTEMS THAT CONFLICT WITH NEW WORK.
  - AREAS NOTED AS INCIDENTAL WORK AREAS MAY INCLUDE ABOVE CEILING WORK FOR MFP/RELATED UPGRADES. REFER TO ASSOCIATED DISCIPLINE-SPECIFIC DRAWINGS FOR MORE INFORMATION AND SCOPE.



REV	ISSUE	DATE
41	ISSUED FOR ADDENDUM 4 - BGS	12.16.2019
39	ISSUED FOR ADDENDUM 3 - BGS	12.11.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
34	ISSUED FOR 75% CONSTRUCTION DOCUMENTS - PHASE C	10.14.2019
	ISSUED FOR DESIGN DEVELOPMENT	07.12.2019

## MFP IMPLEMENTATION - SOUTH

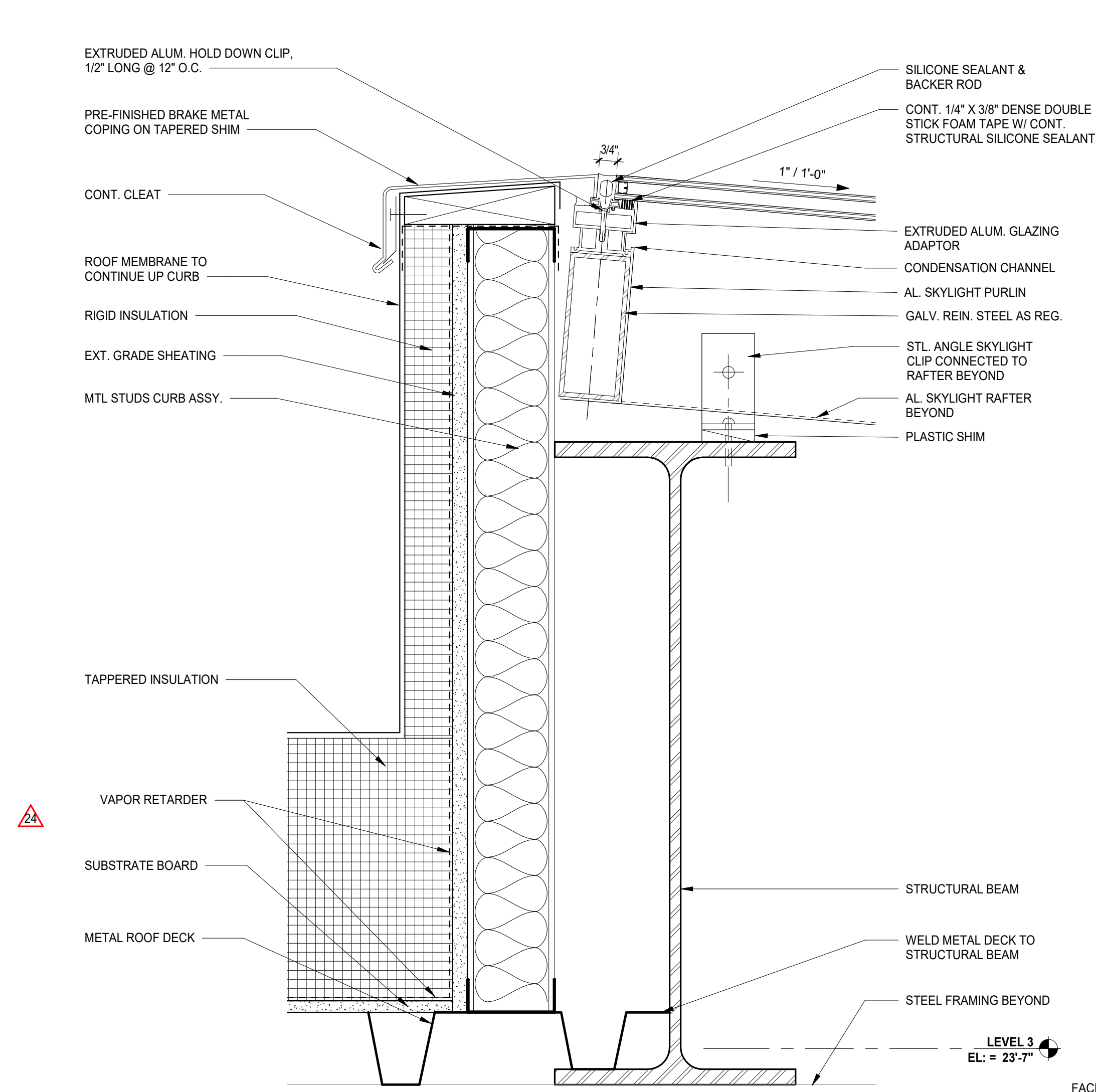
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## REFLECTED CEILING PLAN LEVEL 1 - AREA F

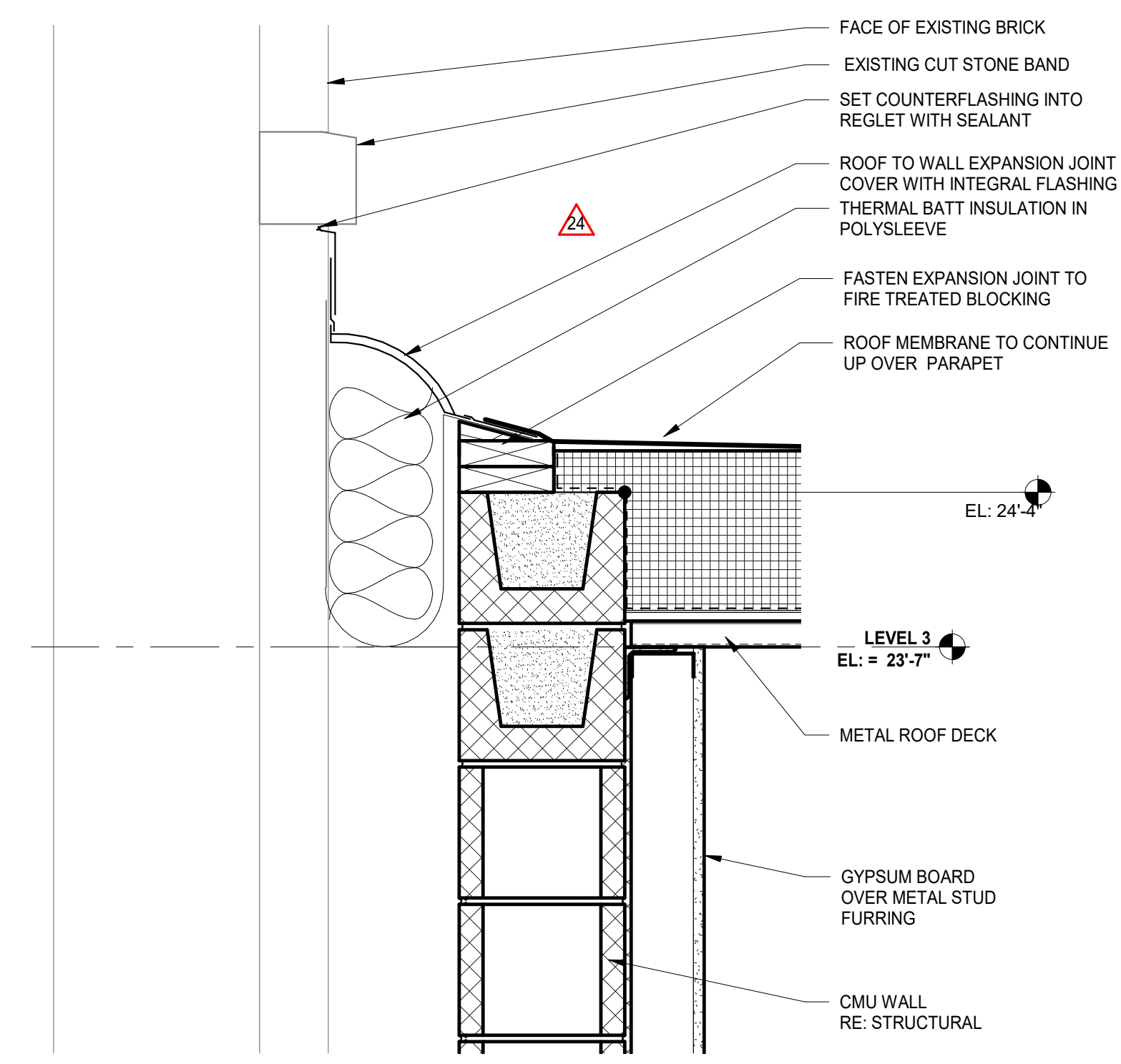
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B.SPOEHR  
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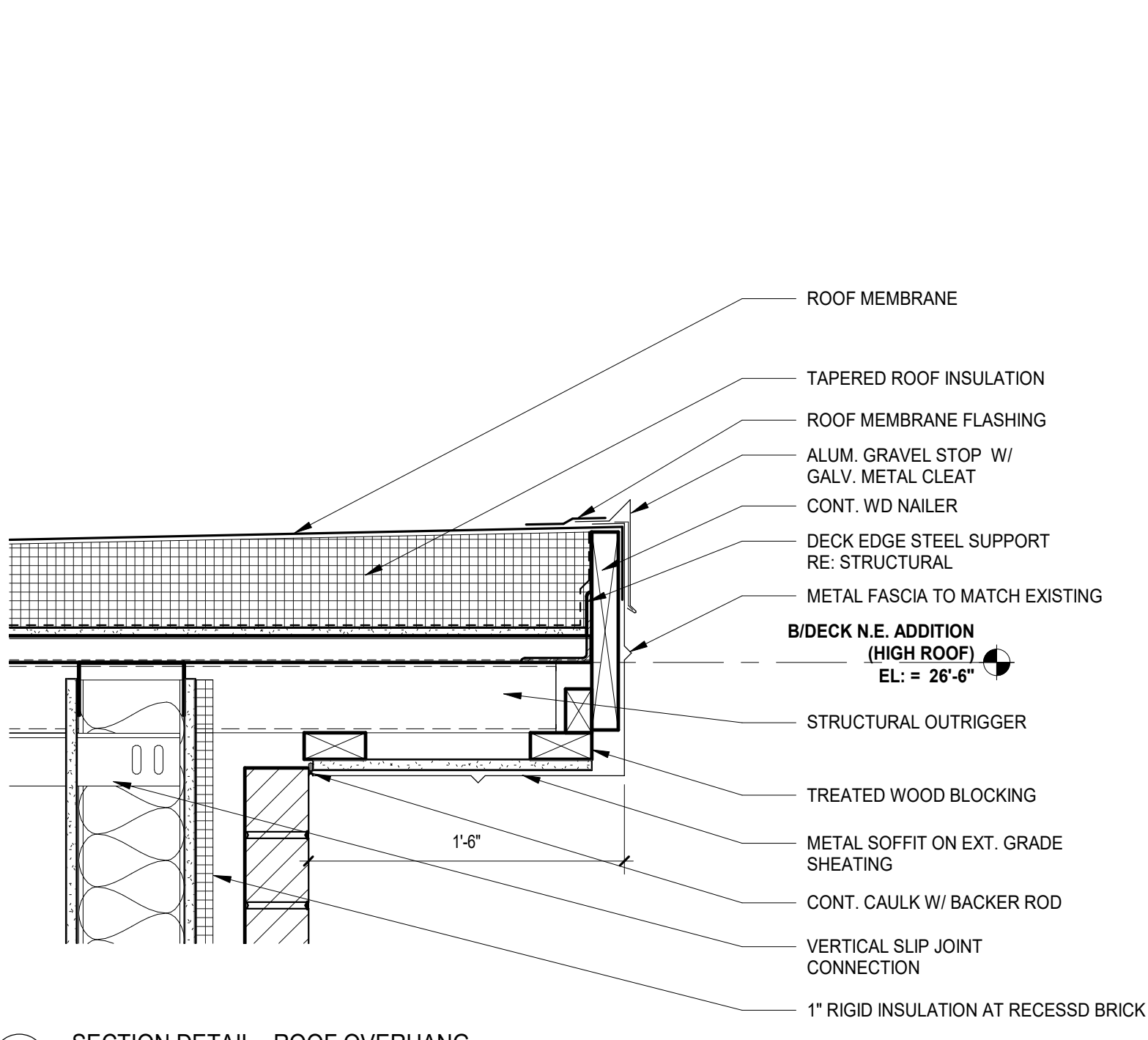




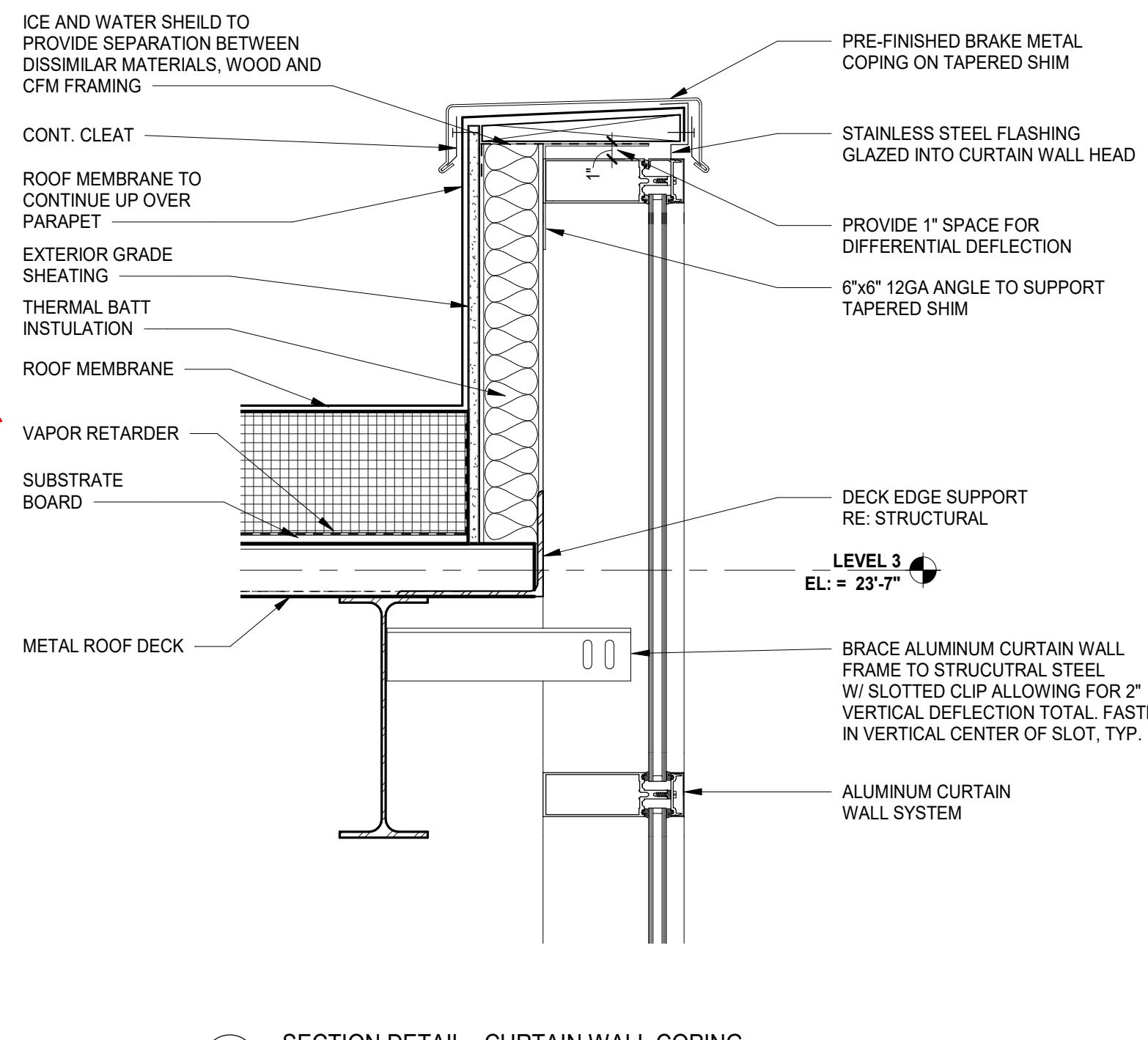
10 SECTION - SKYLIGHT @ HIGH SIDE  
SCALE: 3" = 1'-0"



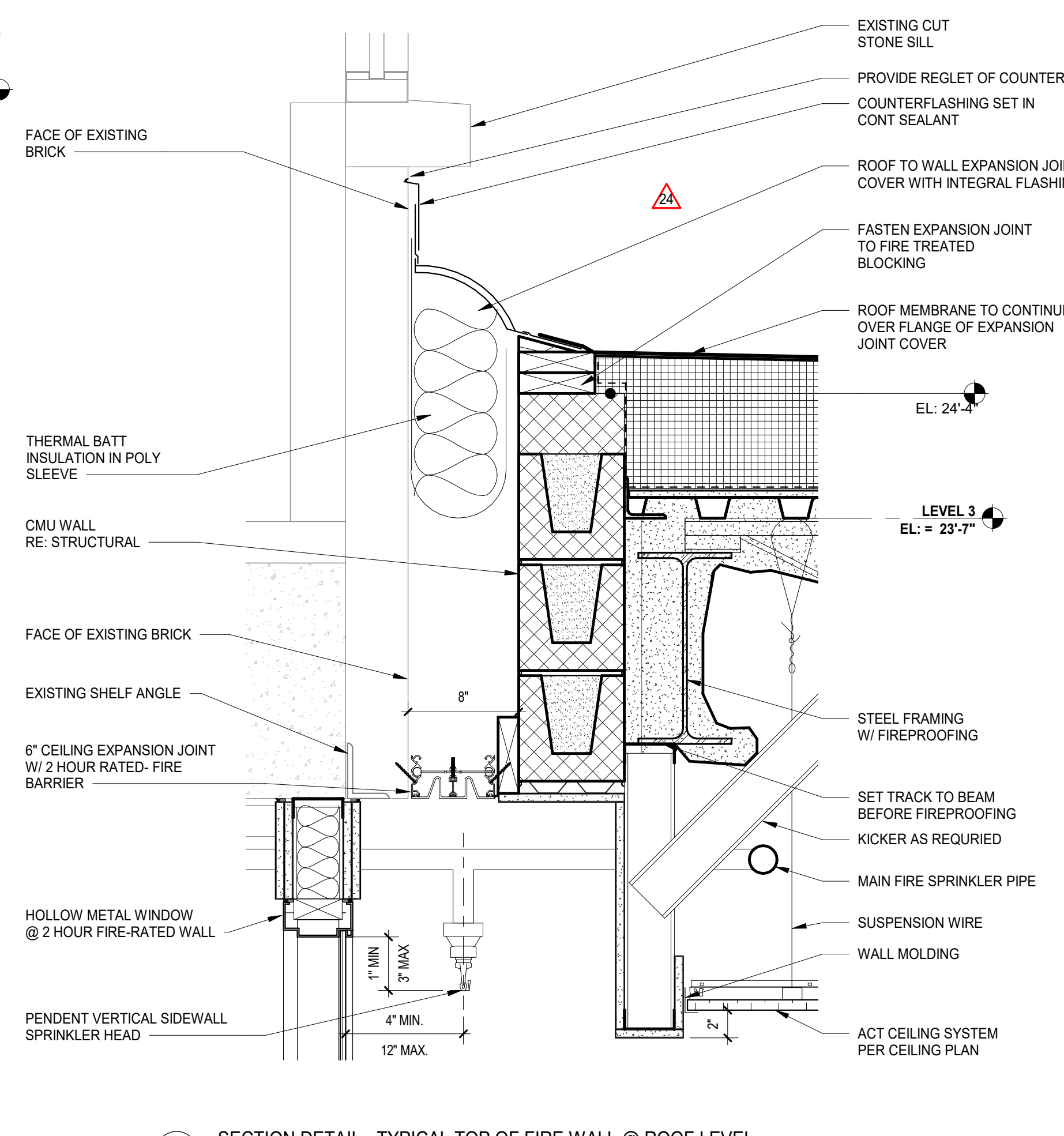
9 WALL DETAIL - ROOF JOINT AT EXISTING WALL  
SCALE: 1 1/2" = 1'-0"



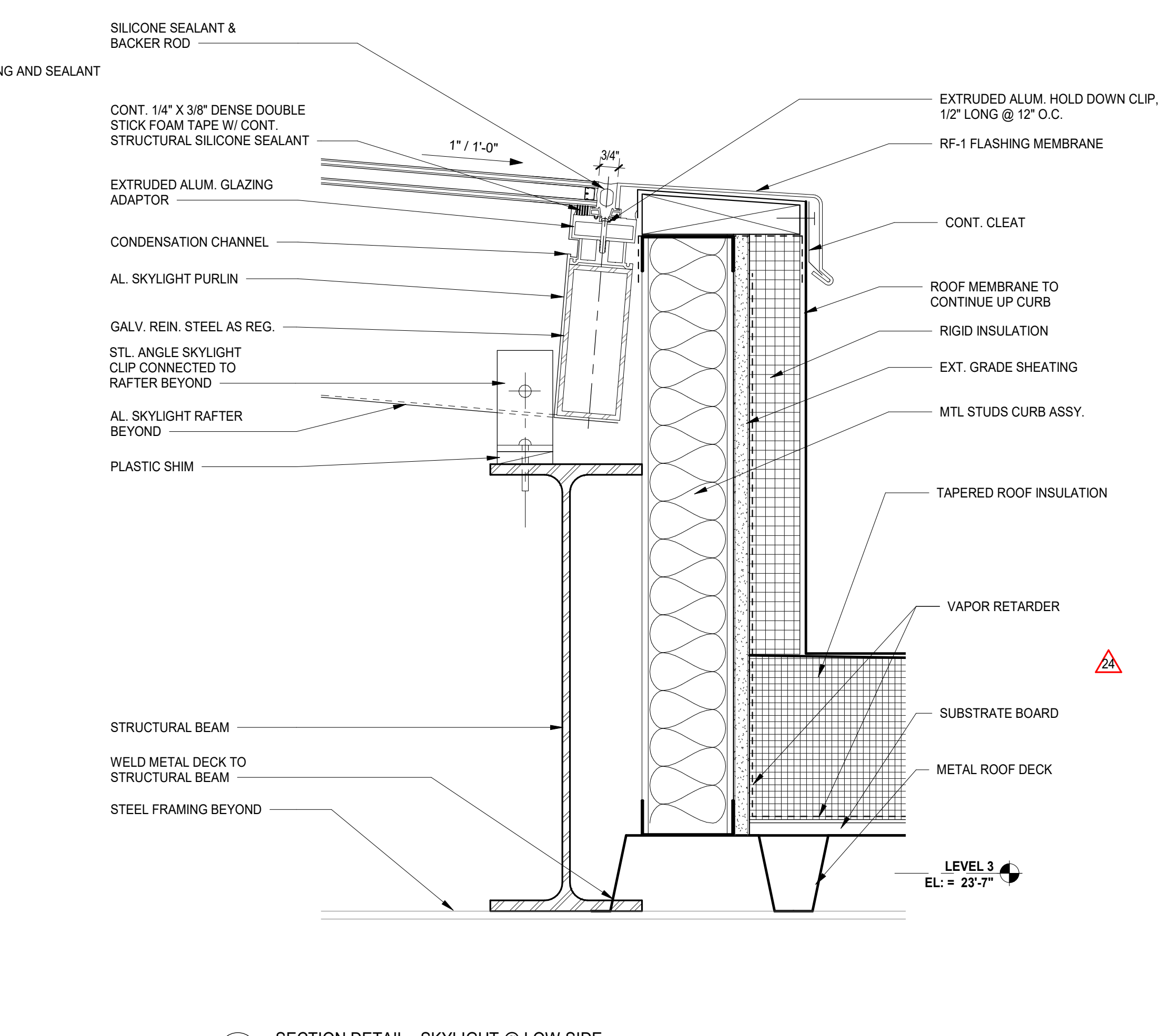
8 SECTION DETAIL - ROOF OVERHANG  
SCALE: 1 1/2" = 1'-0"



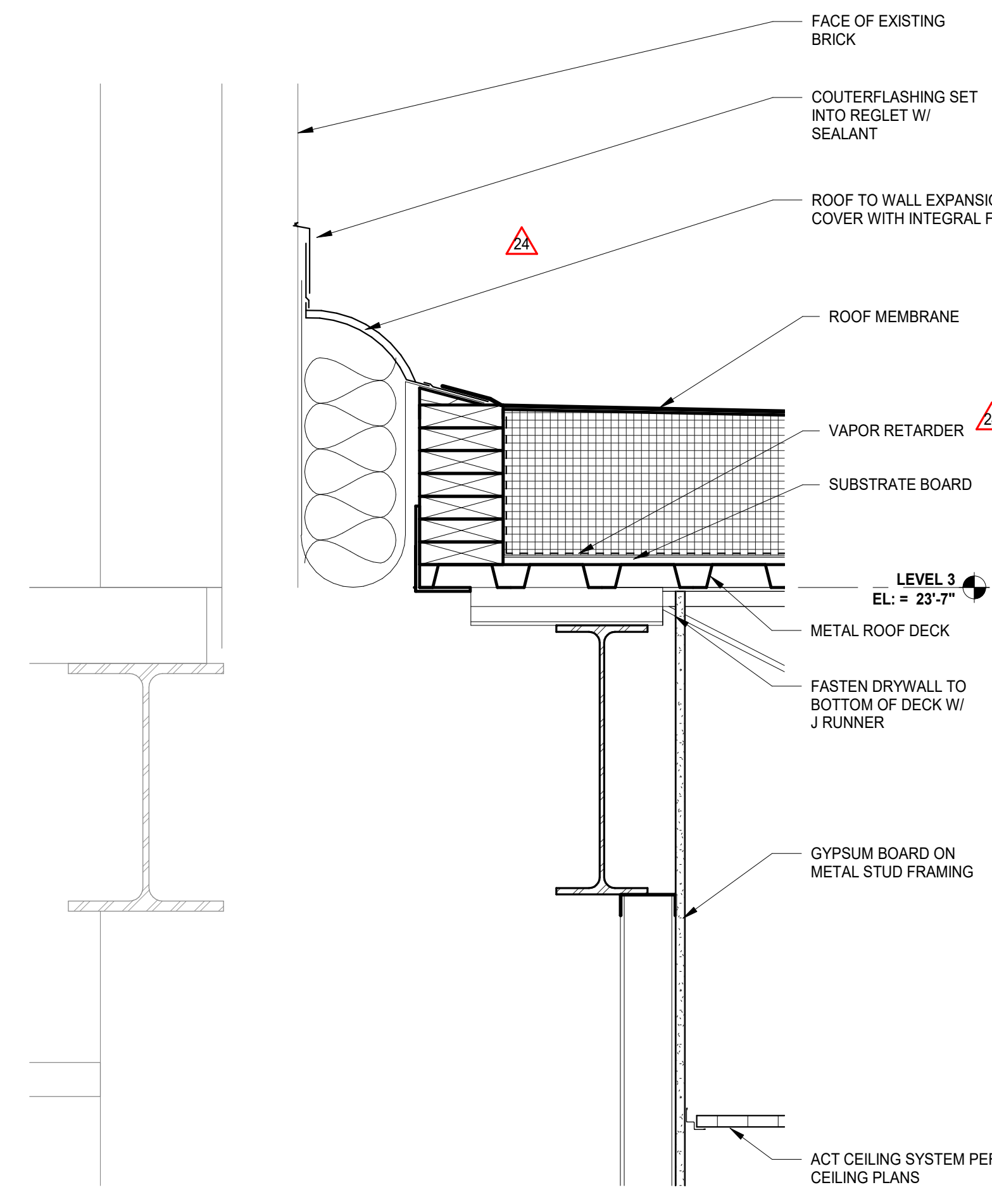
7 SECTION DETAIL - CURTAIN WALL COPING  
SCALE: 1 1/2" = 1'-0"



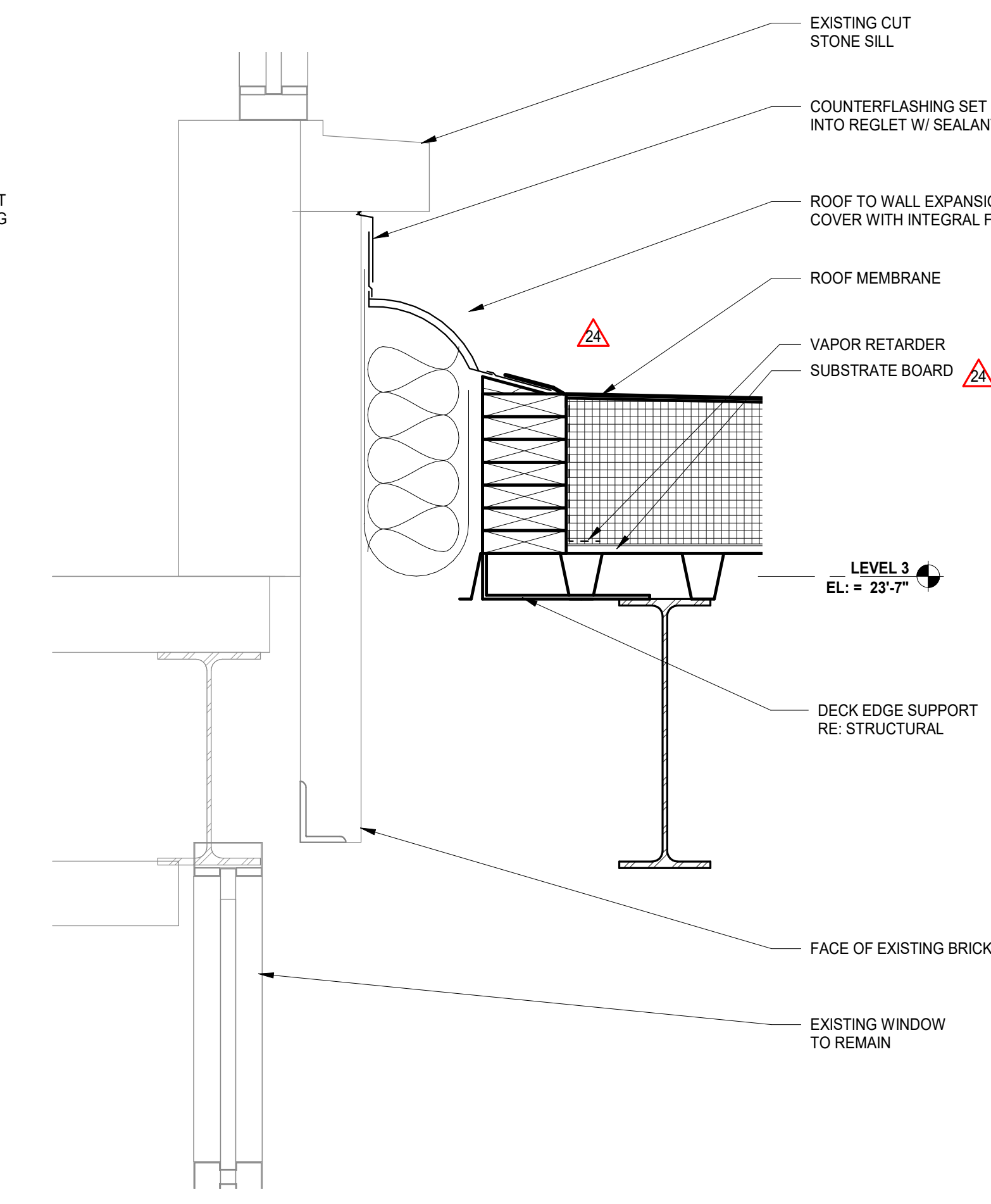
6 SECTION DETAIL - TYPICAL TOP OF FIRE WALL @ ROOF LEVEL  
SCALE: 1 1/2" = 1'-0"



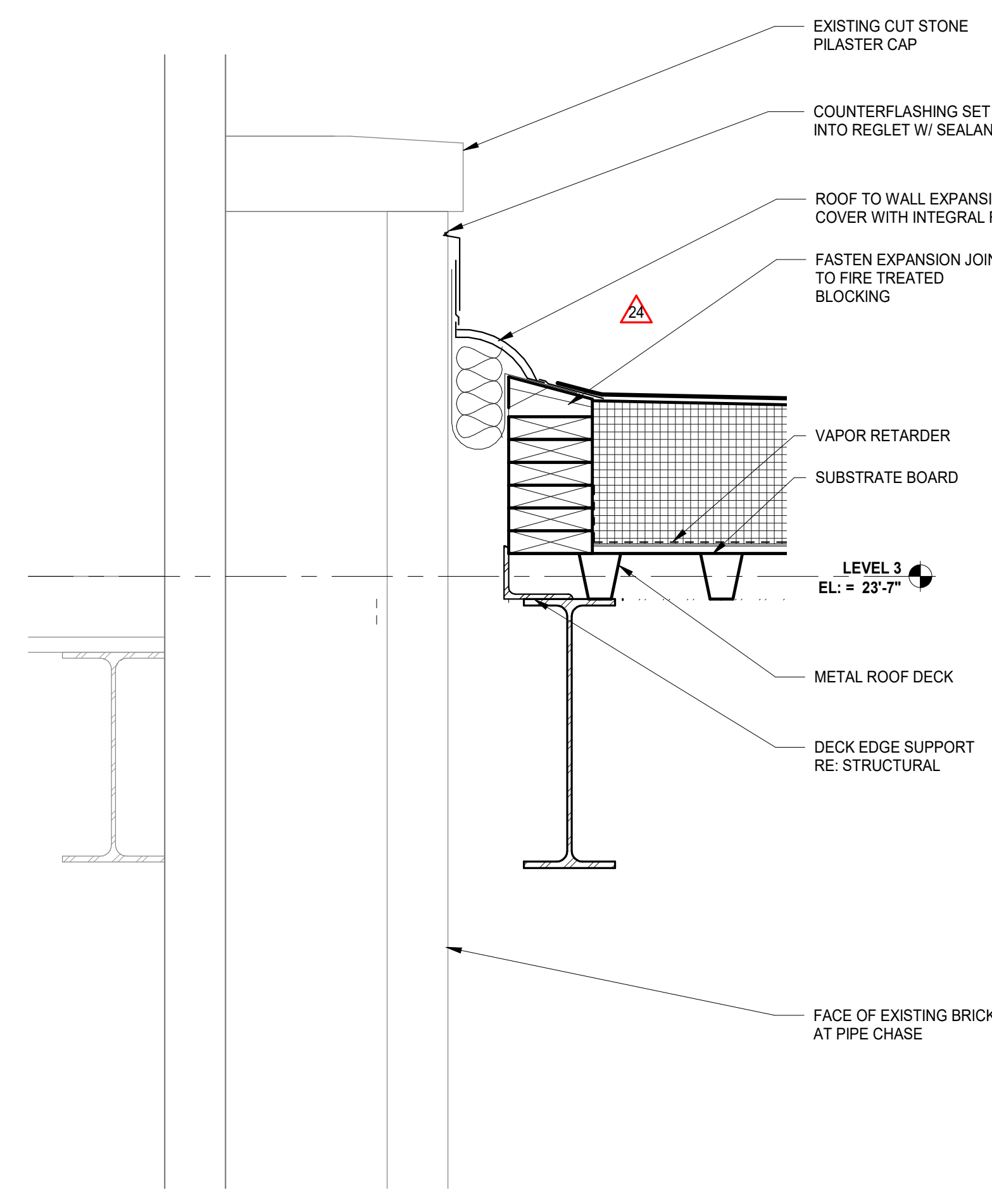
5 SECTION DETAIL - SKYLIGHT @ LOW SIDE  
SCALE: 3" = 1'-0"



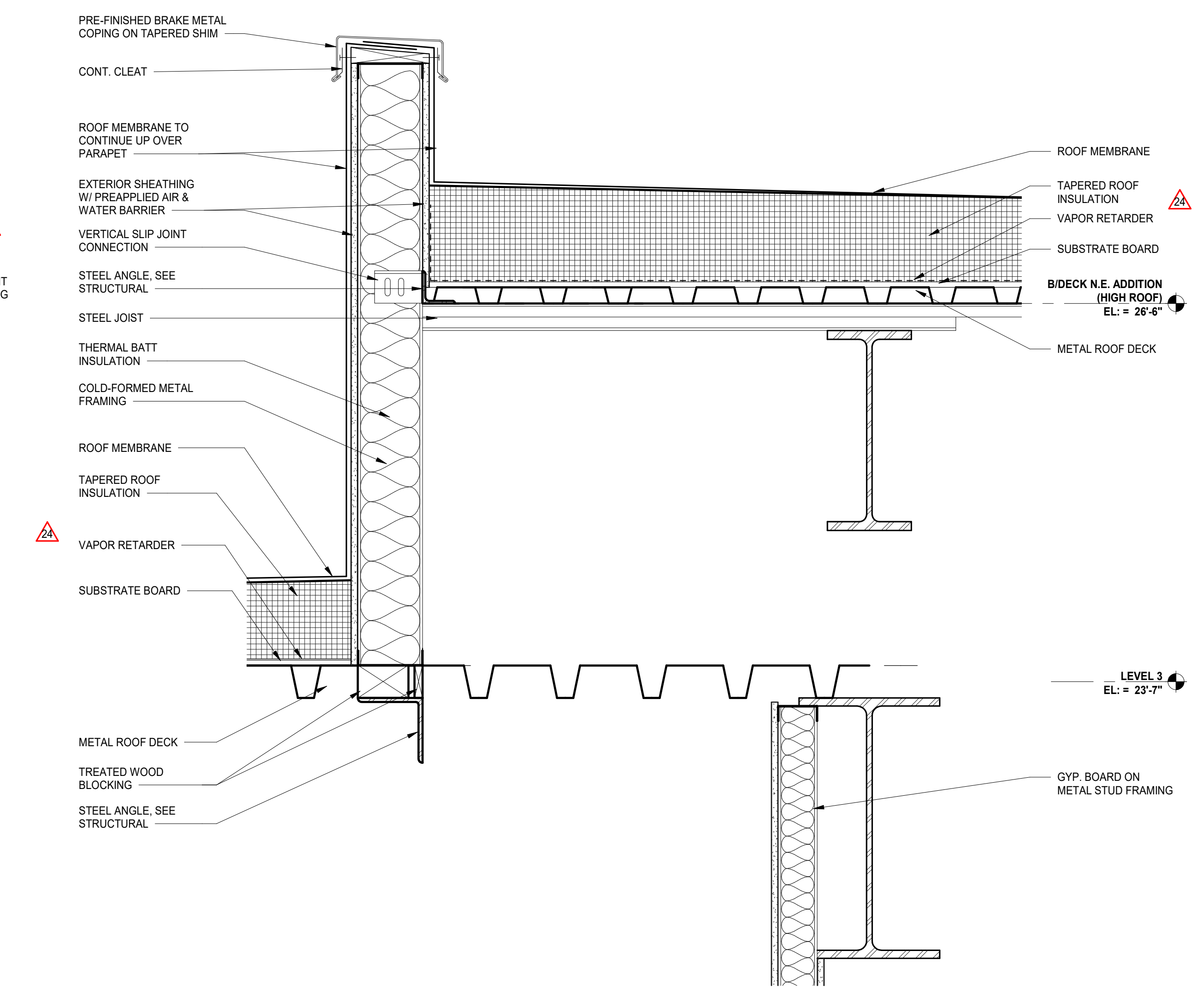
4 SECTION DETAIL - VERTICAL EXTENSION AT OPAQUE WALL  
SCALE: 1 1/2" = 1'-0"



3 SECTION DETAIL - WINDOW SILL @ ROOF LEVEL  
SCALE: 1 1/2" = 1'-0"



2 SECTION DETAIL - TOP OF WALL @ PILASTER  
SCALE: 1 1/2" = 1'-0"



1 SECTION - NORTHEAST ADDITION ROOF DETAIL  
SCALE: 1 1/2" = 1'-0"

REV	ISSUE	DATE
ISSUED FOR CONSTRUCTION - PHASE B		08.26.2019
31	ISSUED FOR PLAN REVIEW - RESPONSE - PHASE B	08.05.2019
24	ISSUED FOR ADDENDUM 2 - RGT	06.27.2019
	ISSUED FOR PLAN REVIEW - PHASE B	06.24.2019
	ISSUED FOR BID GROUP 7 - PHASE B	06.07.2019
	ISSUED FOR 75% CONSTRUCTION DOCUMENTS	05.10.2019
	ISSUED FOR BID GROUP 6 - PHASE B	05.10.2019
	ISSUED FOR DESIGN DEVELOPMENT - PHASE B	03.11.2019

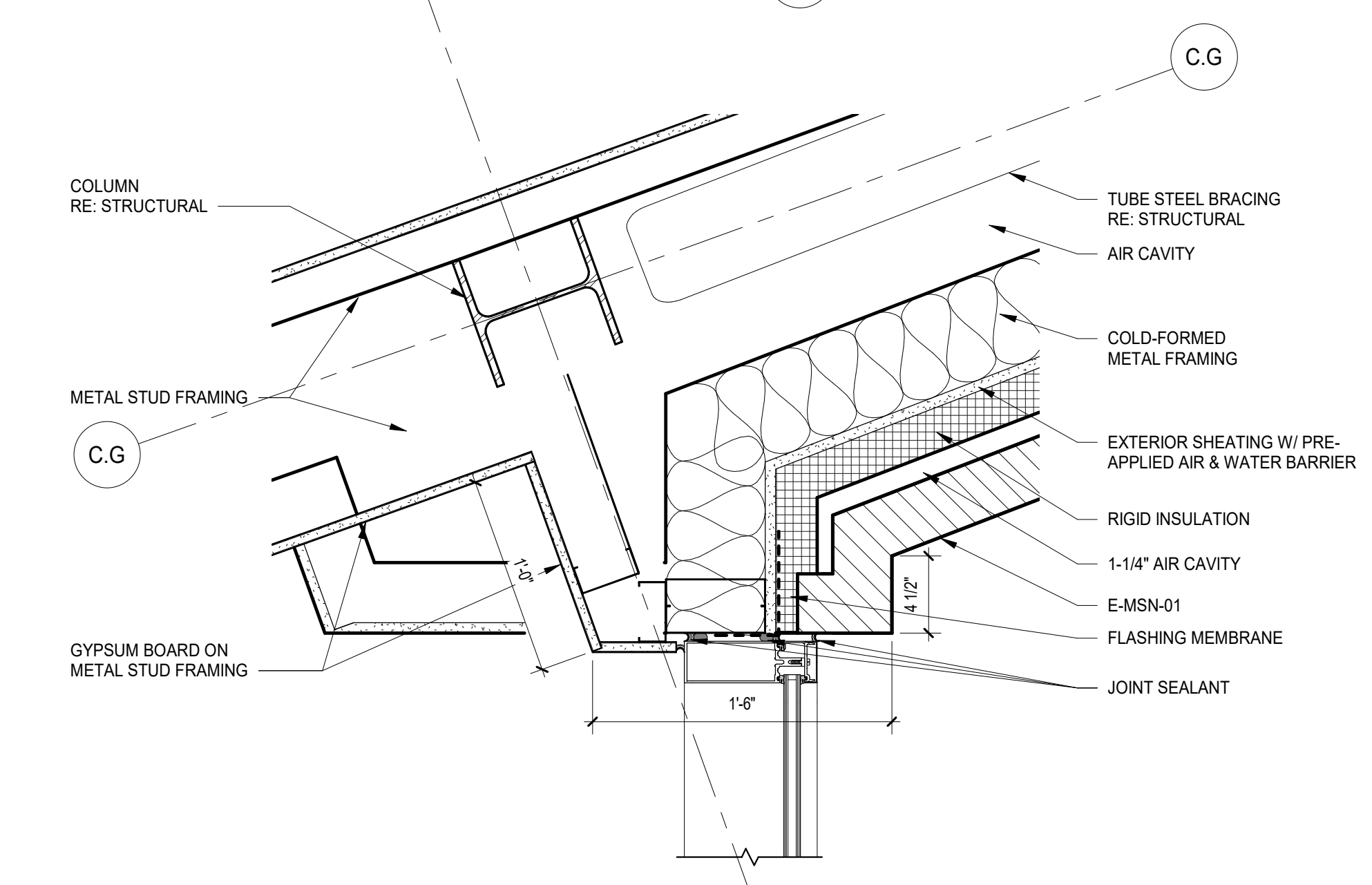
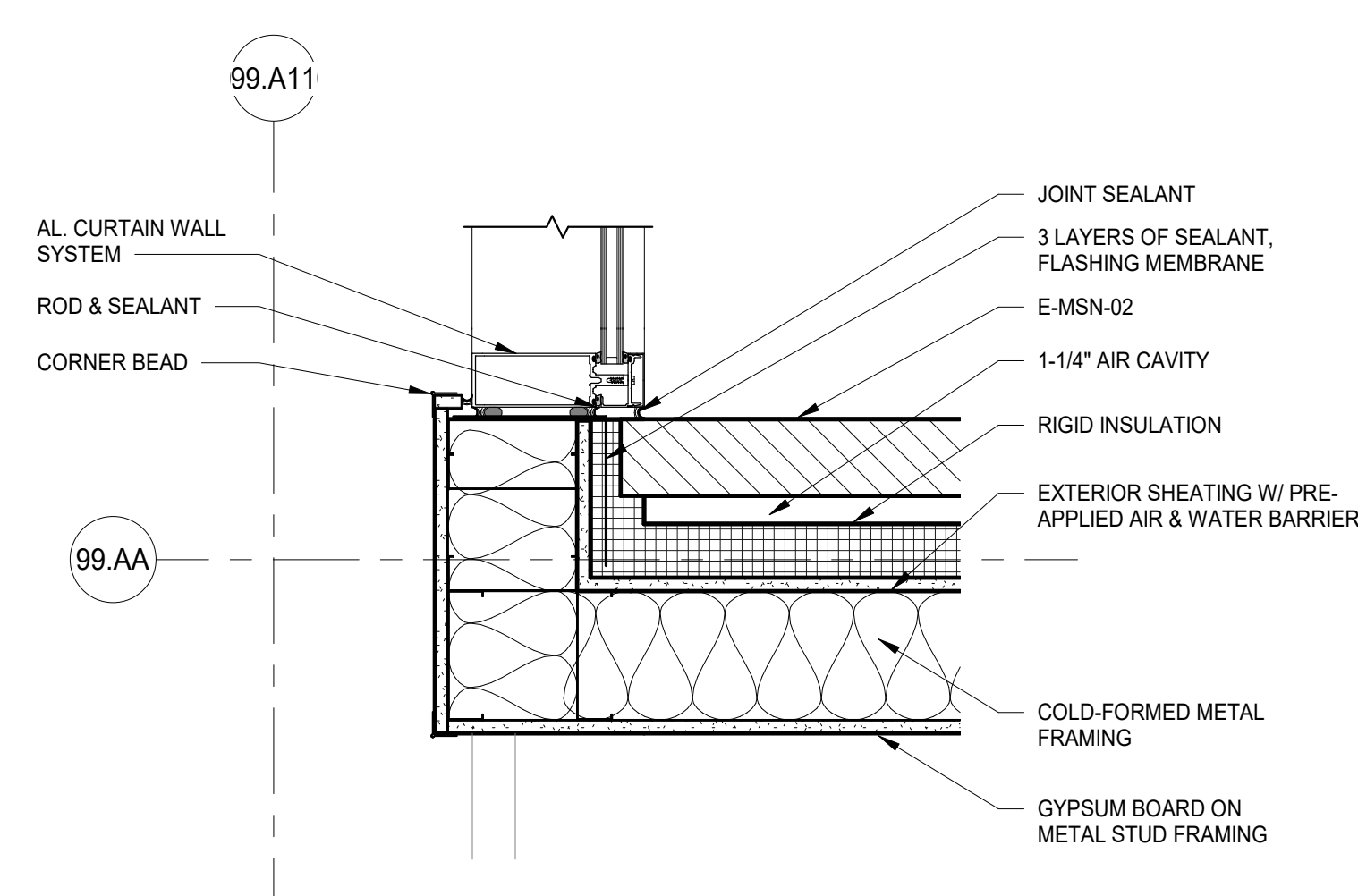
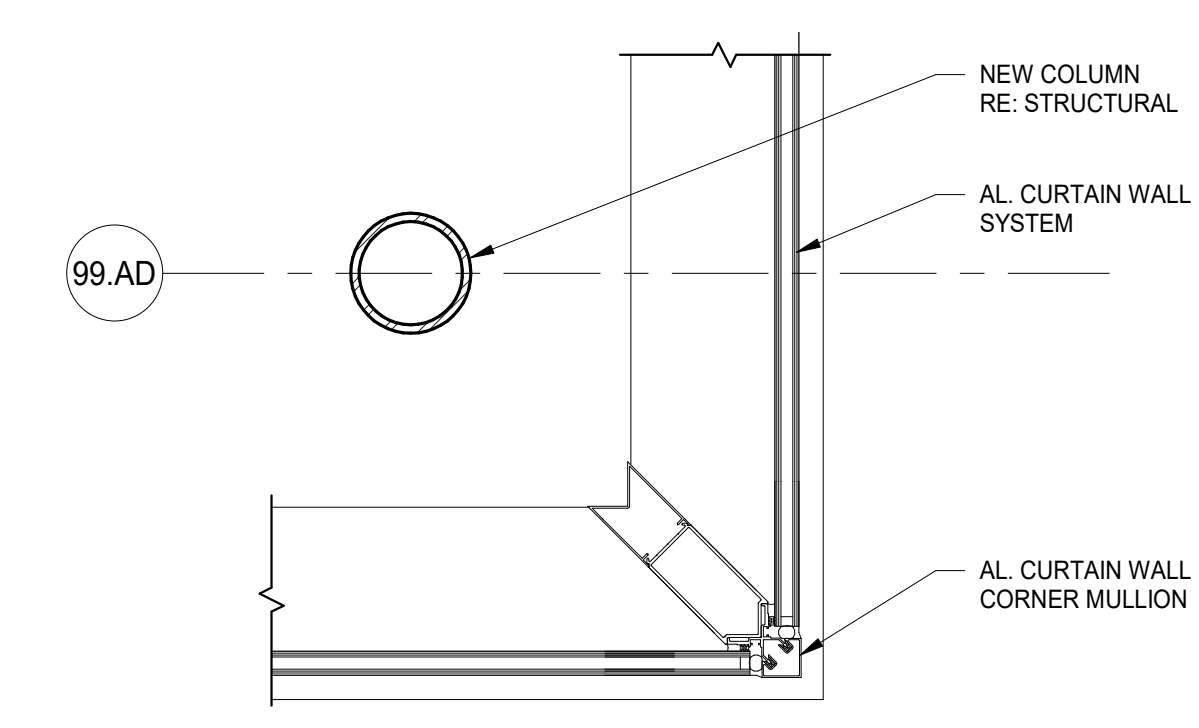
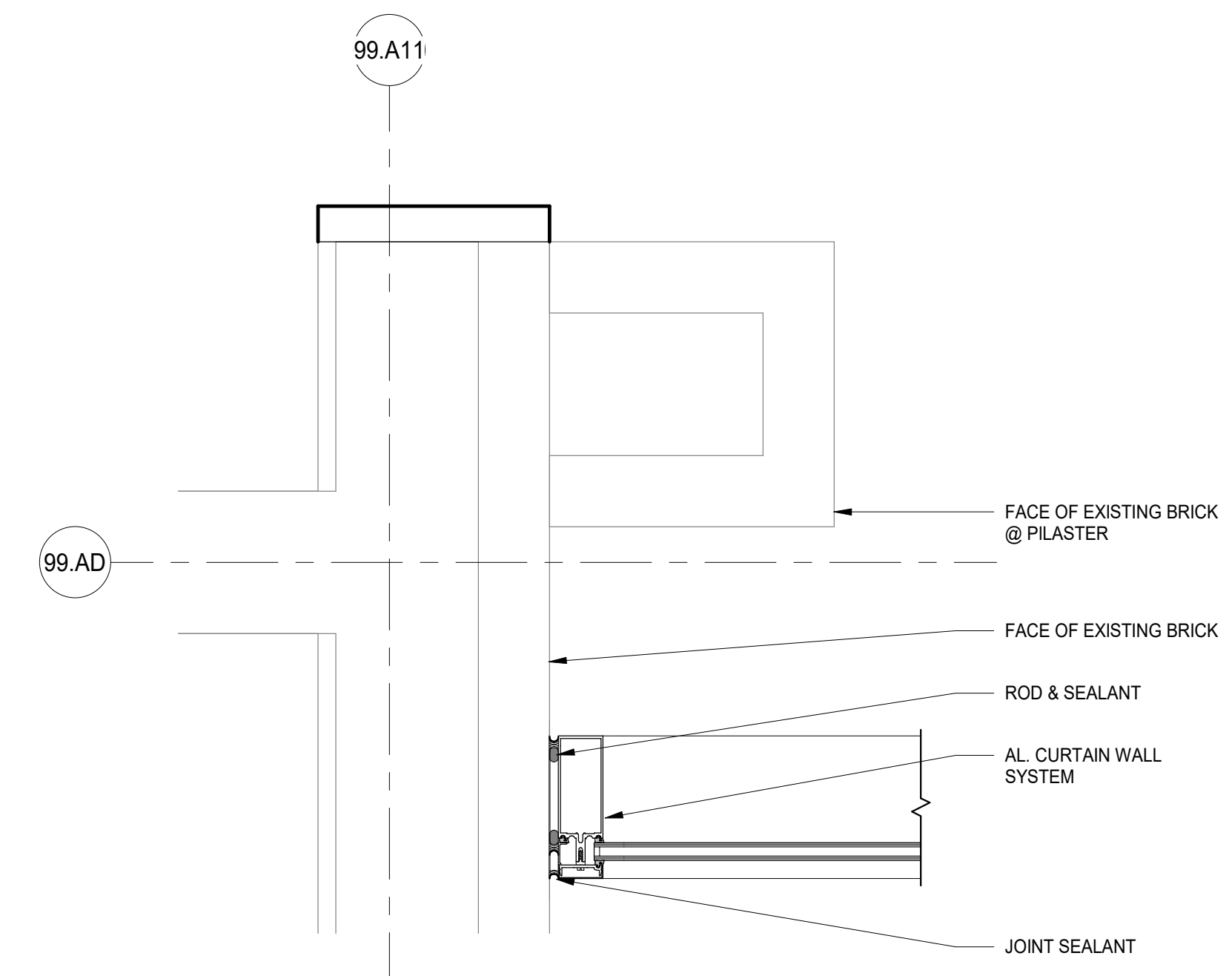
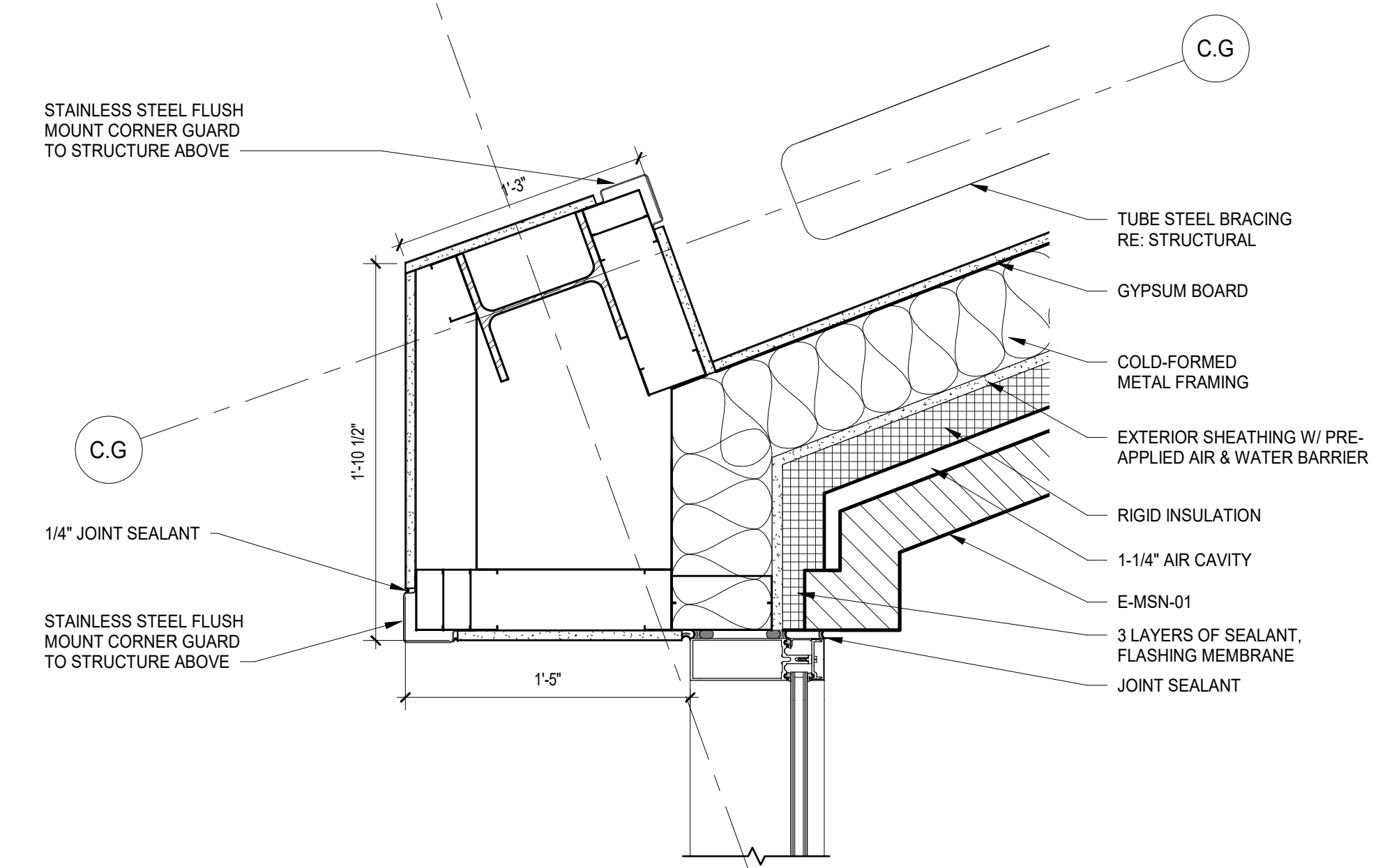
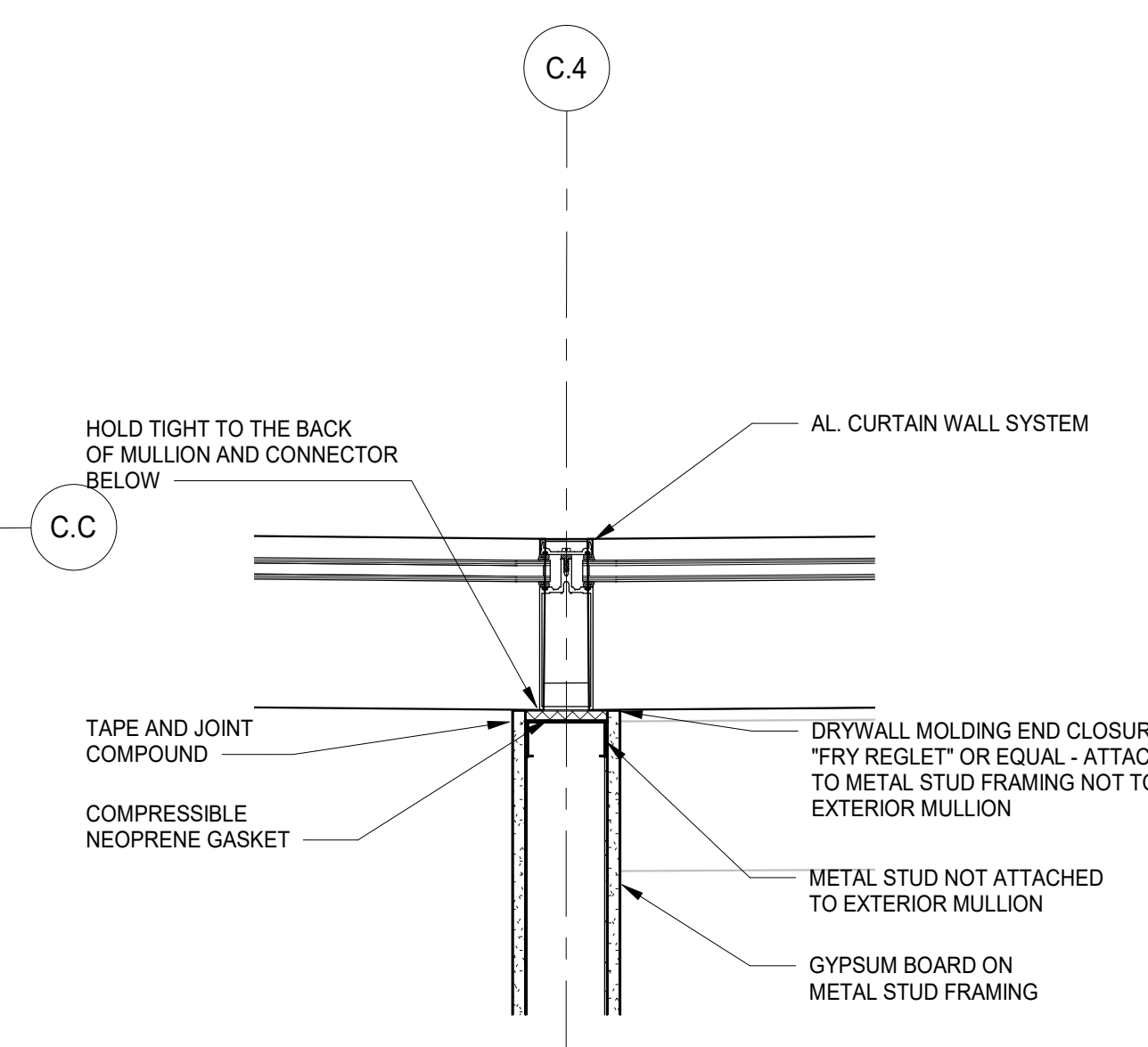
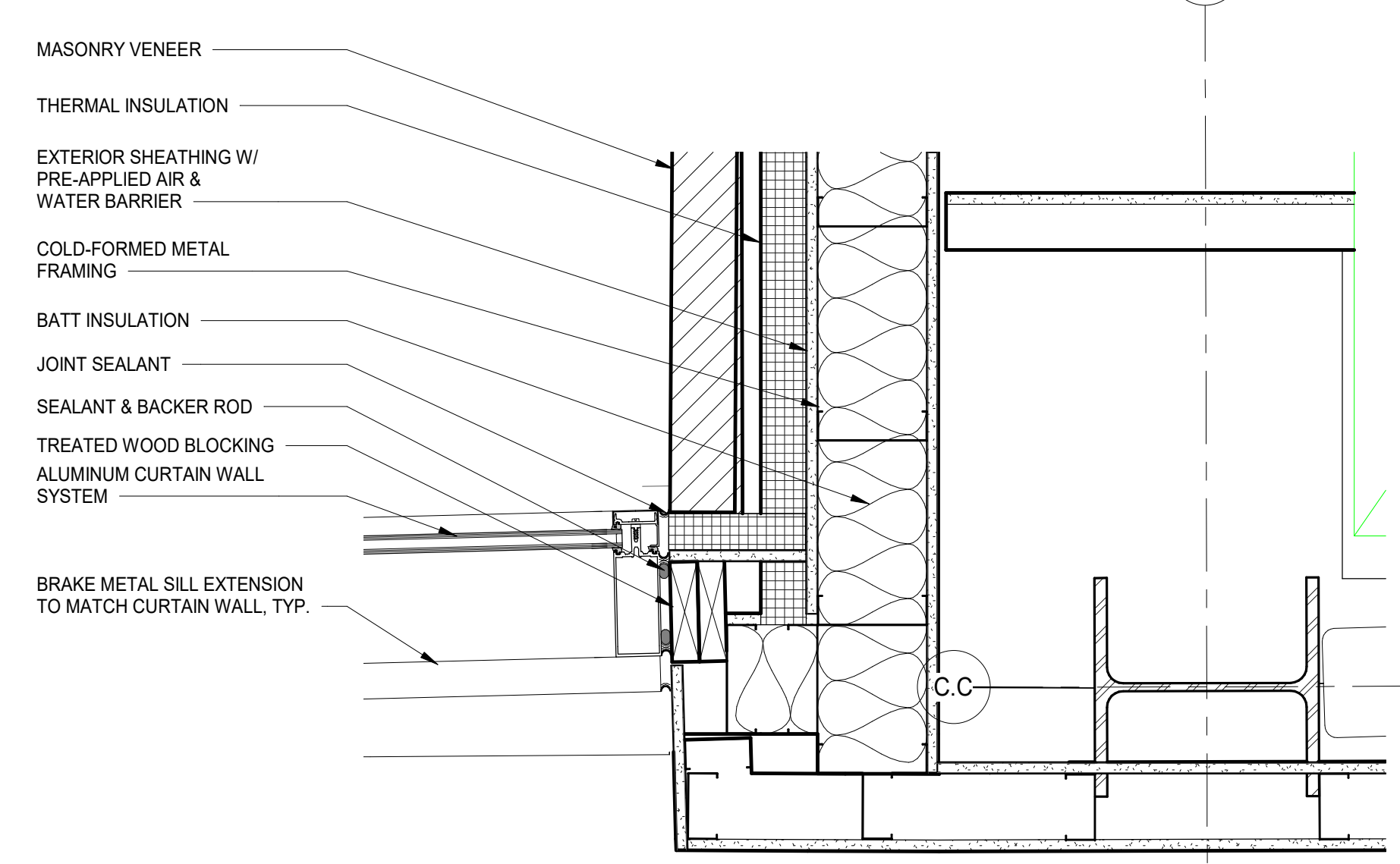
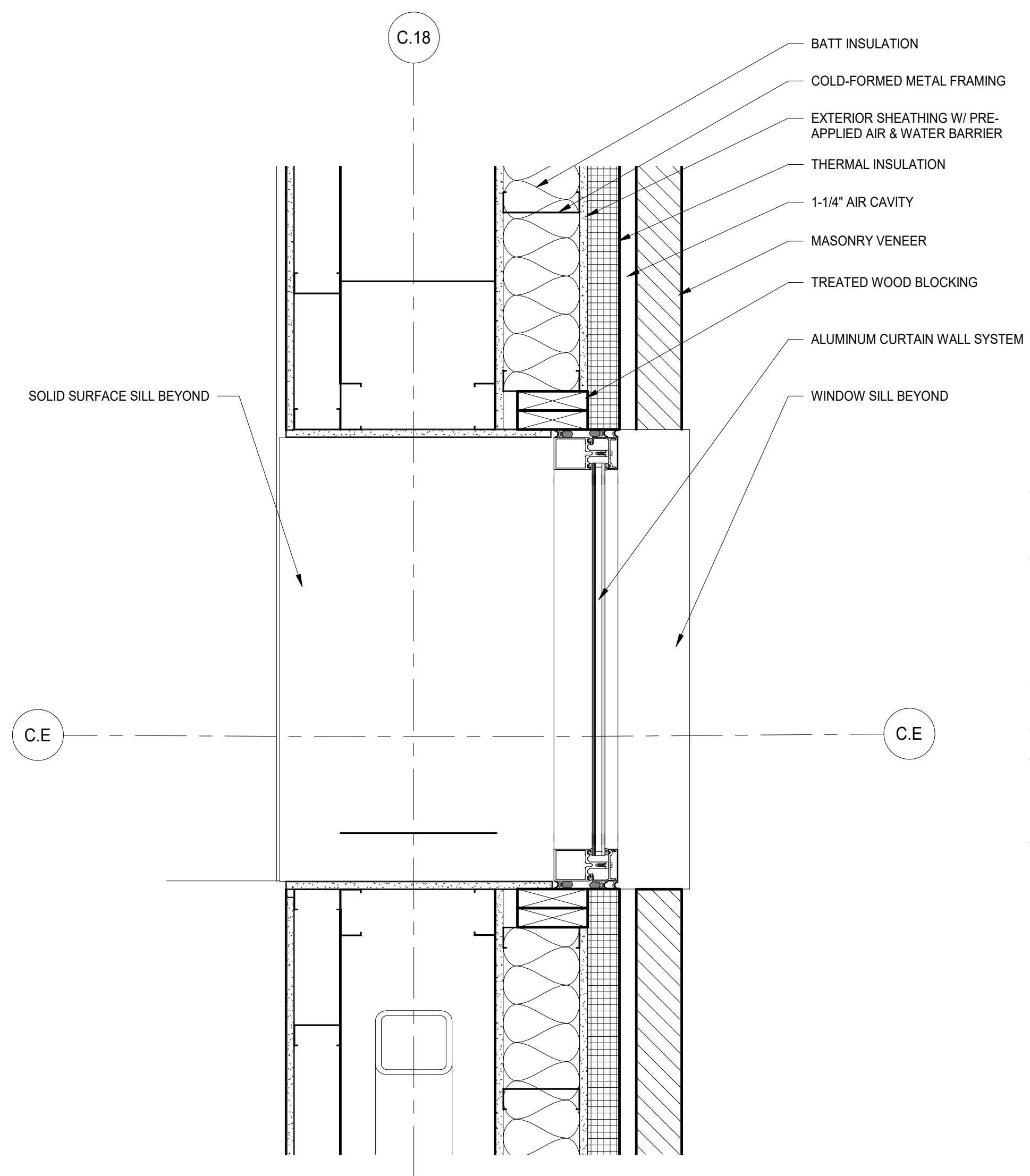
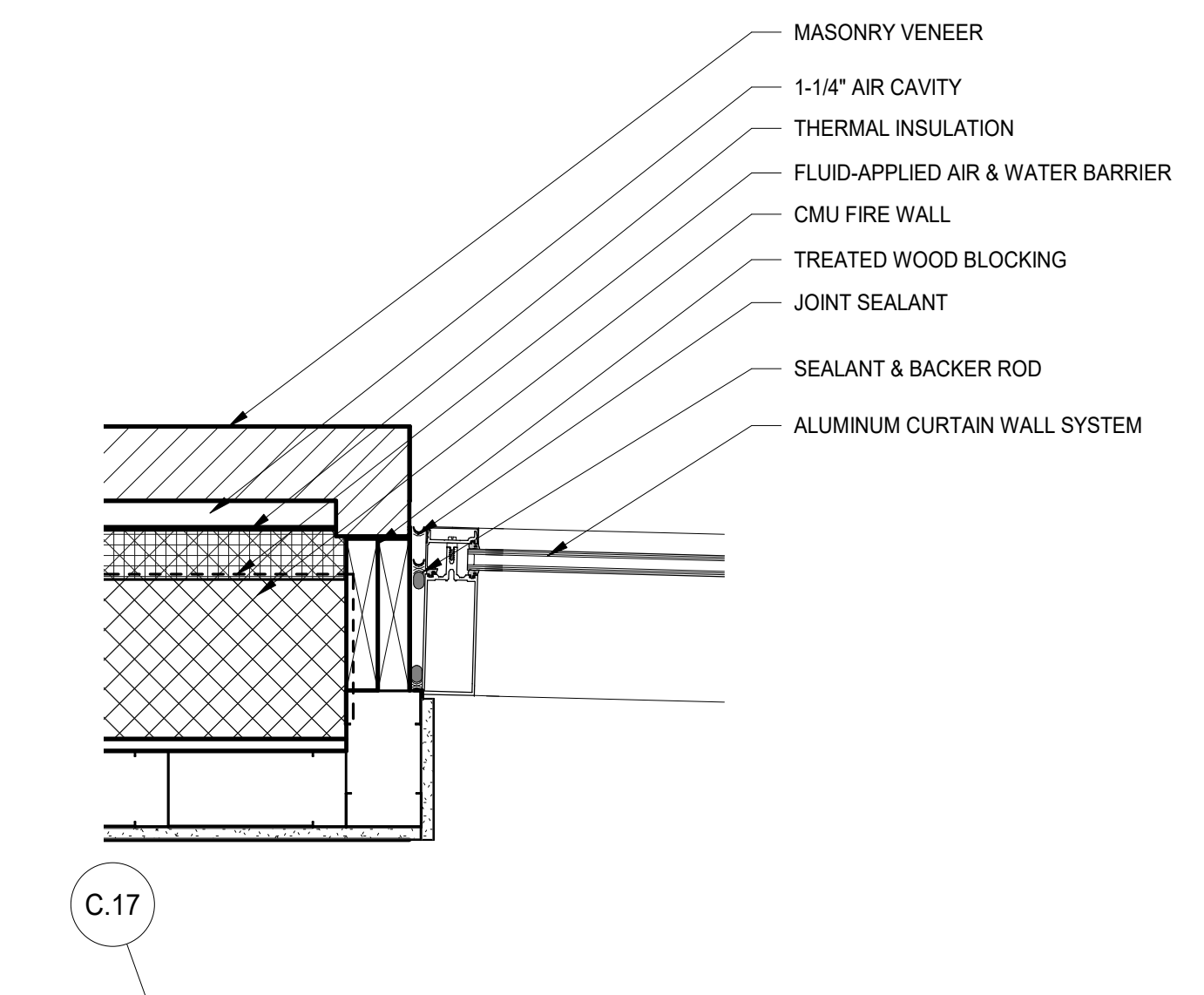
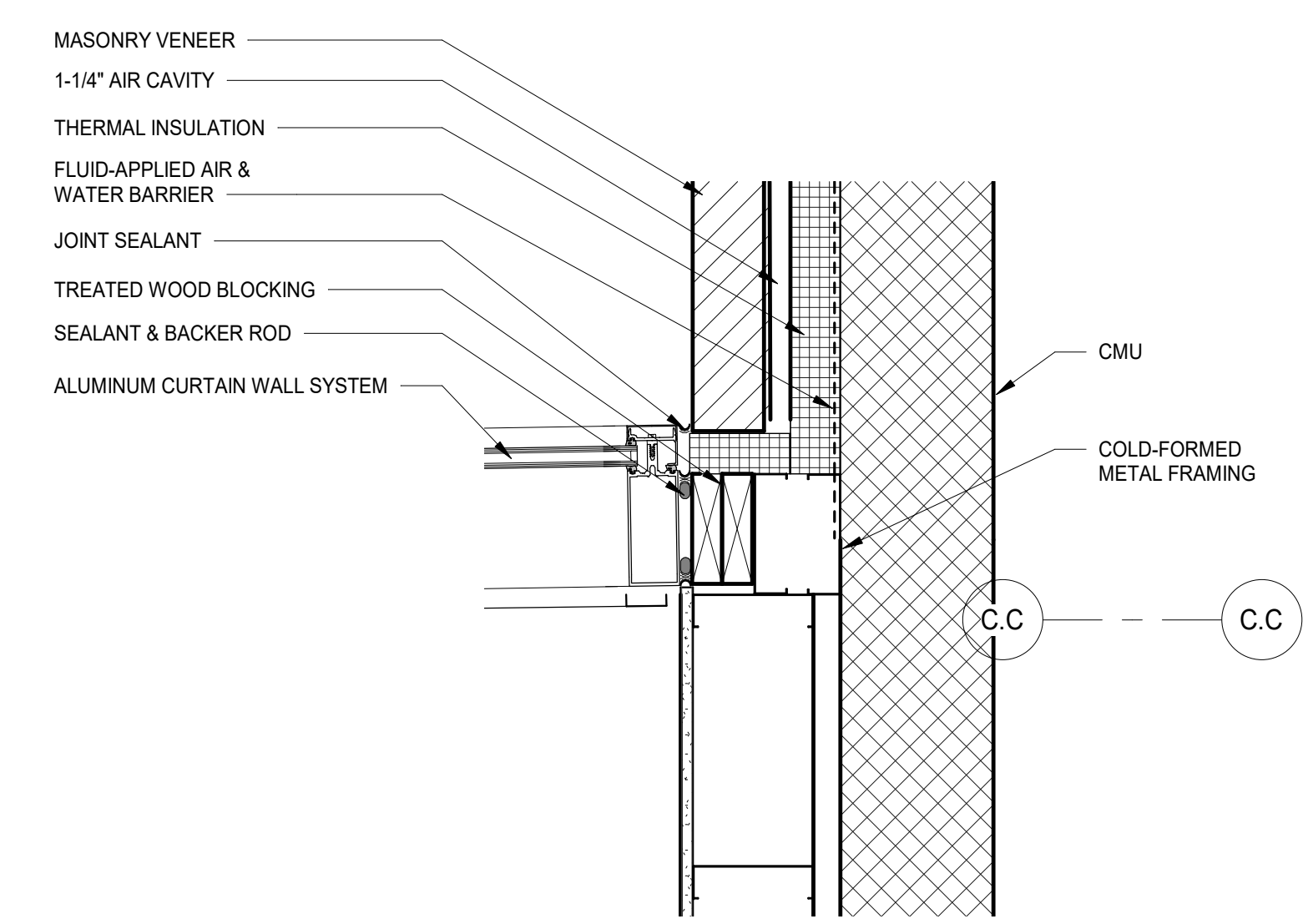
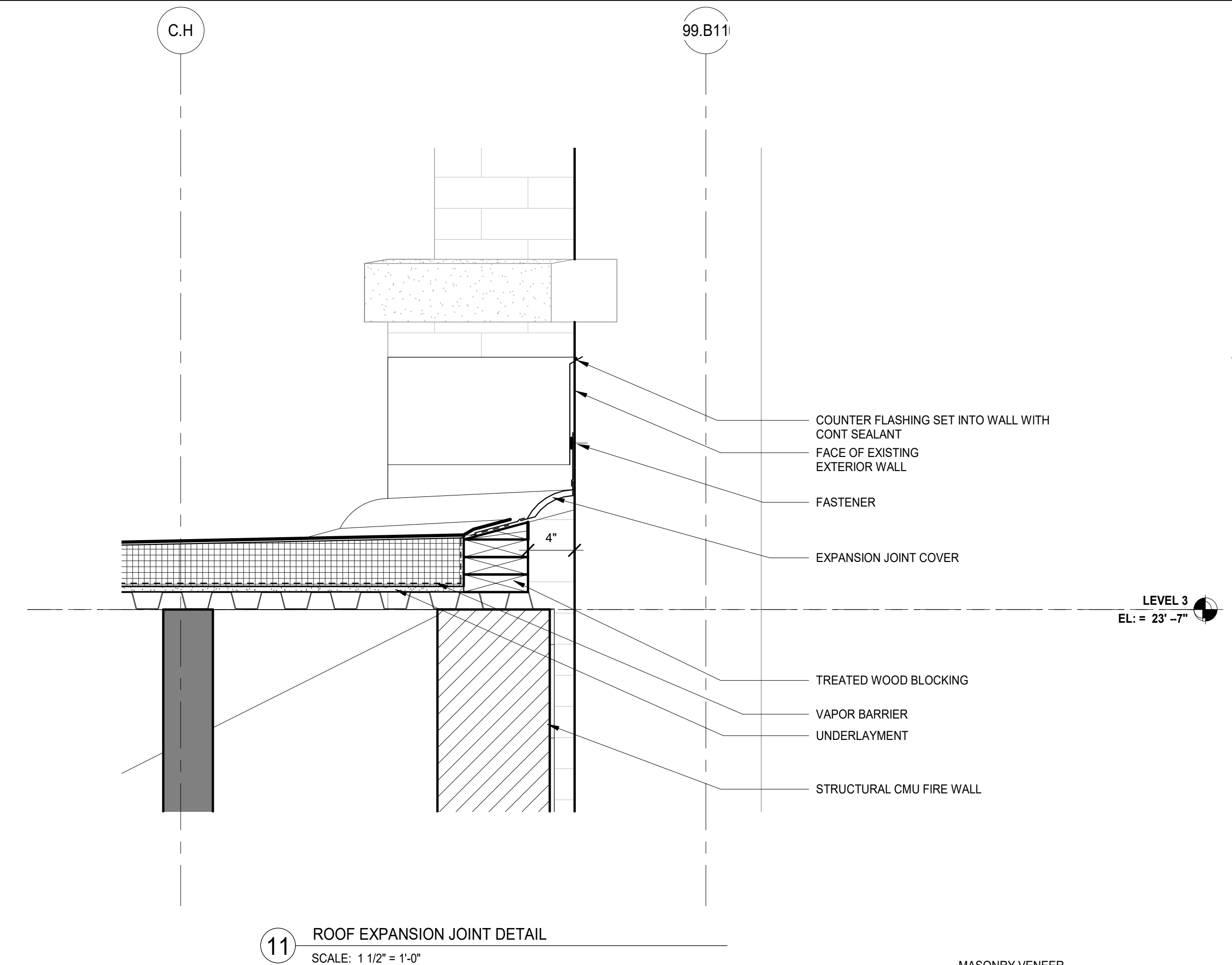
**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**EXTERIOR WALL SECTIONS & DETAILS - PHASE B**

Project Number:  
5274-42  
Drawn By:  
A.SASSILA  
Sheet:

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ISSUED FOR CONSTRUCTION - PHASE B	08.26.2019
31 ISSUED FOR PLAN REVIEW RESPONSE - PHASE B	08.05.2019
24 ISSUED FOR ADDENDUM 2 - BGT	06.27.2019
ISSUED FOR PLAN REVIEW - PHASE B	06.24.2019
ISSUED FOR BID GROUP 7 - PHASE B	06.07.2019
ISSUED FOR 75% CONSTRUCTION DOCUMENTS	05.10.2019
ISSUED FOR BID GROUP 6 - PHASE B	05.10.2019
ISSUED FOR BG 1 - PHASE A	01.16.2019
REV	DATE

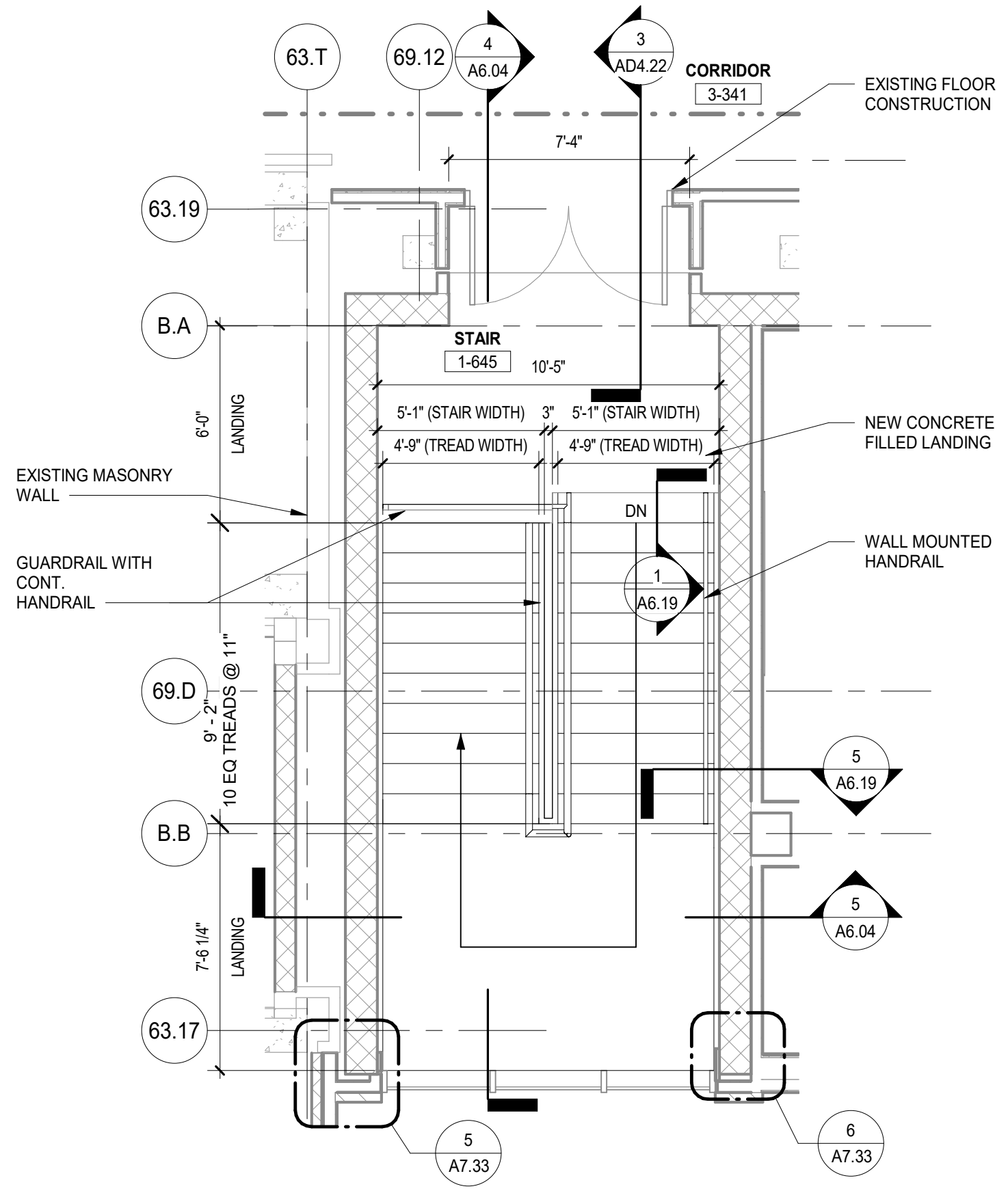
**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

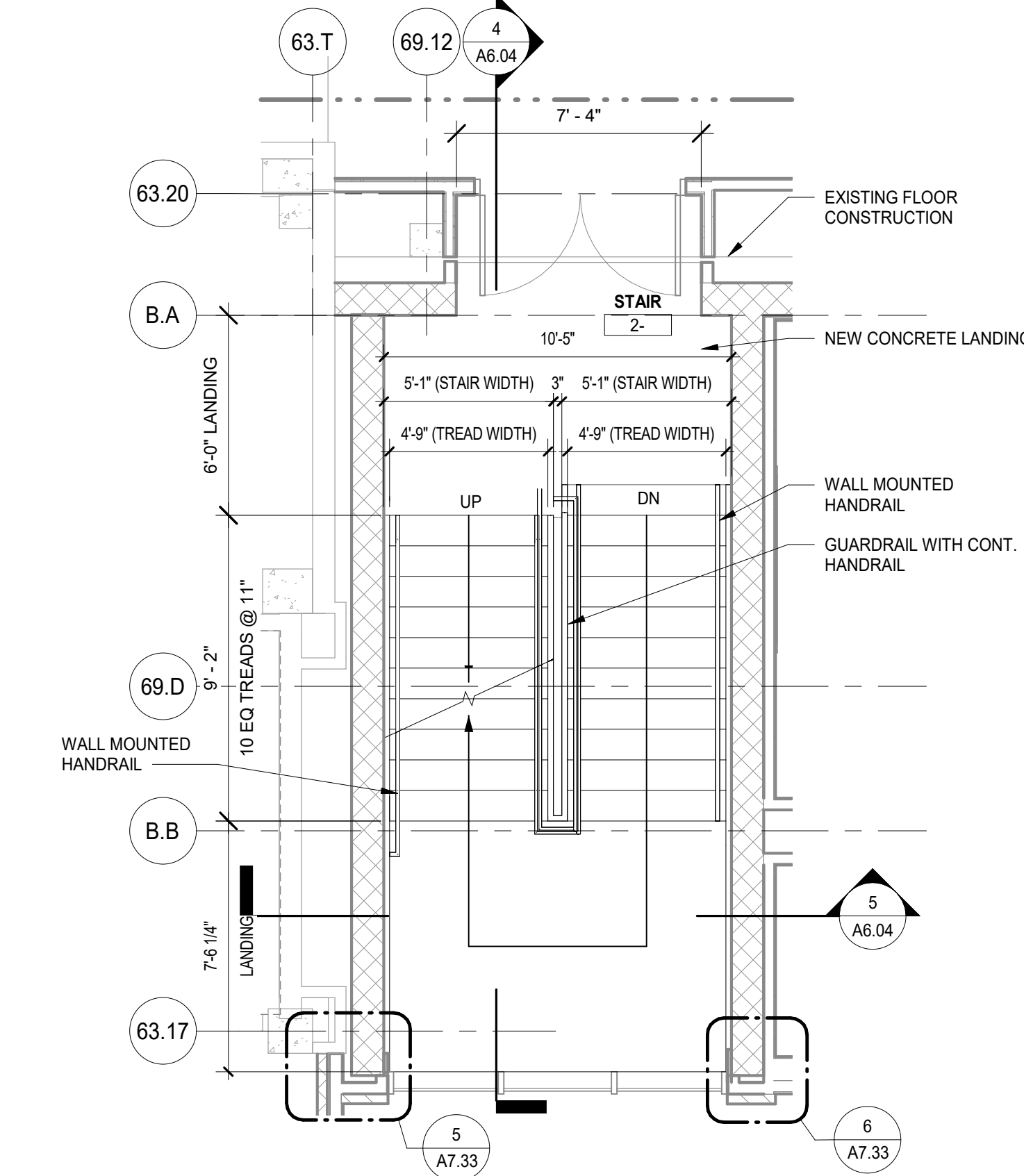
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5274-42  
Drawn By:  
A.SASSILA  
Sheet:

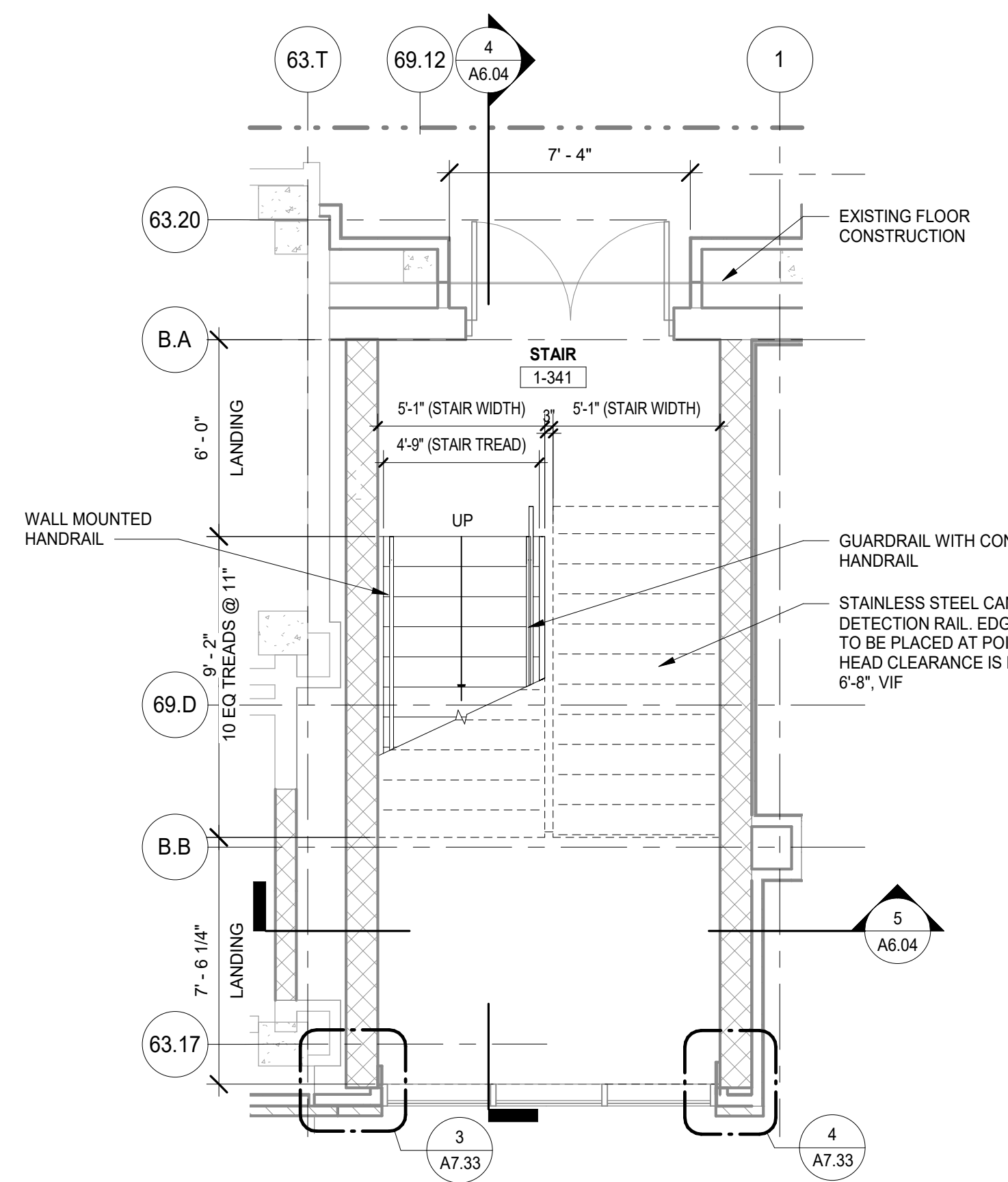
12/16/2019 9:42:48 AM C:\Users\ad\Documents\2025274-42\_DGS\_Arch\_2019\_Central\_sds\vt Wight & Co. © Copyright 2019 All rights reserved. No part of these documents may be reproduced, stored, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Wight & Co.



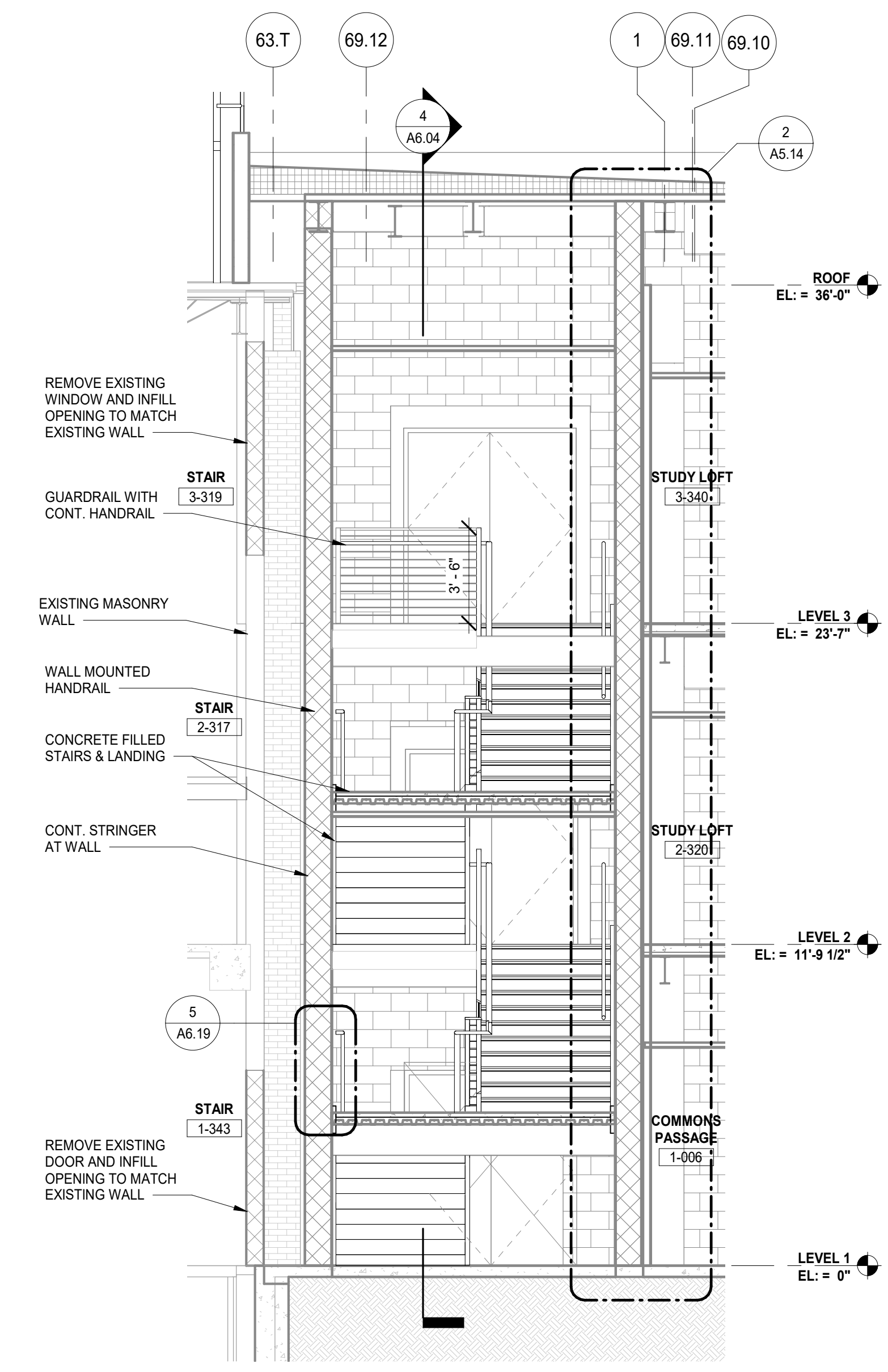
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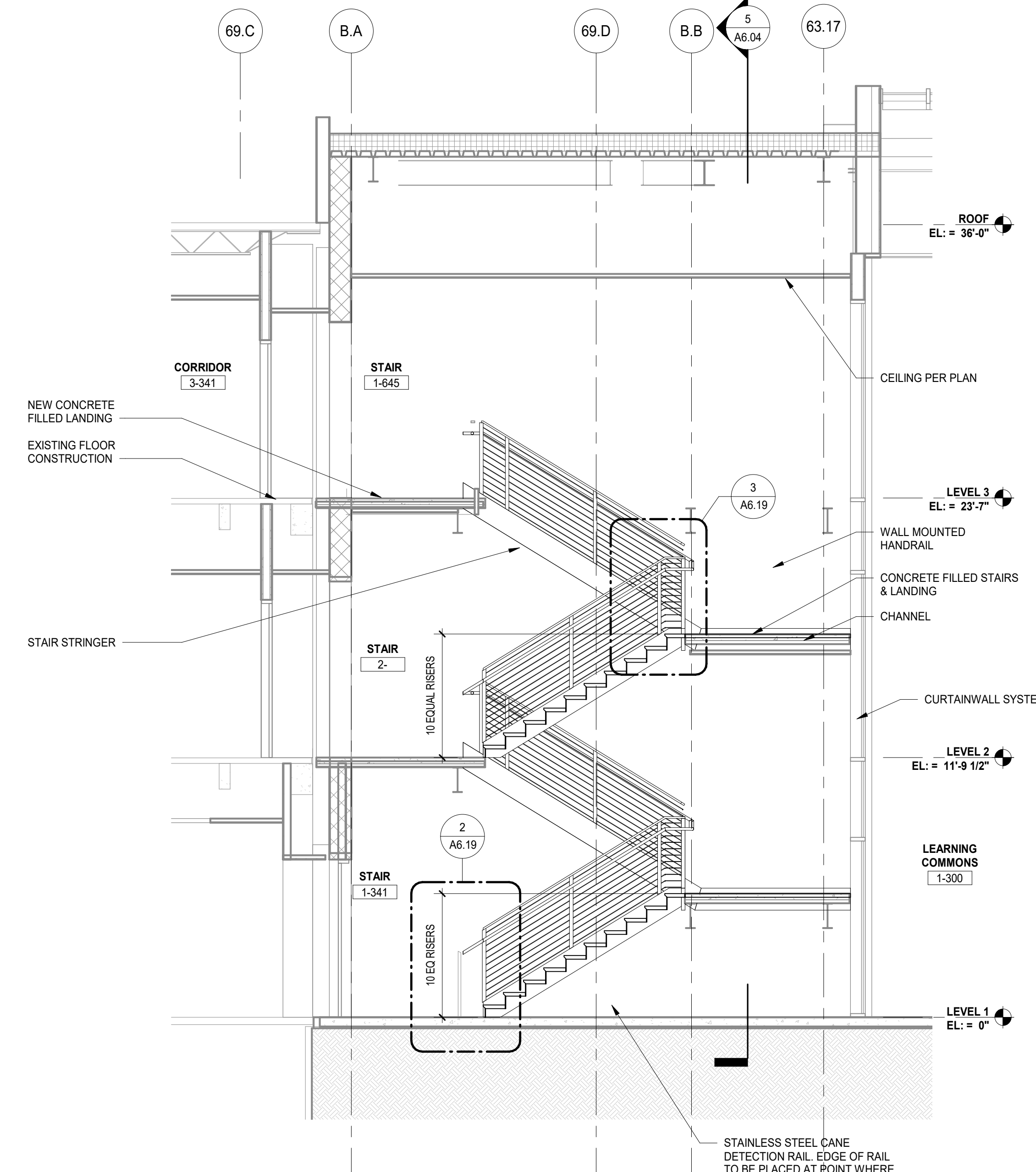
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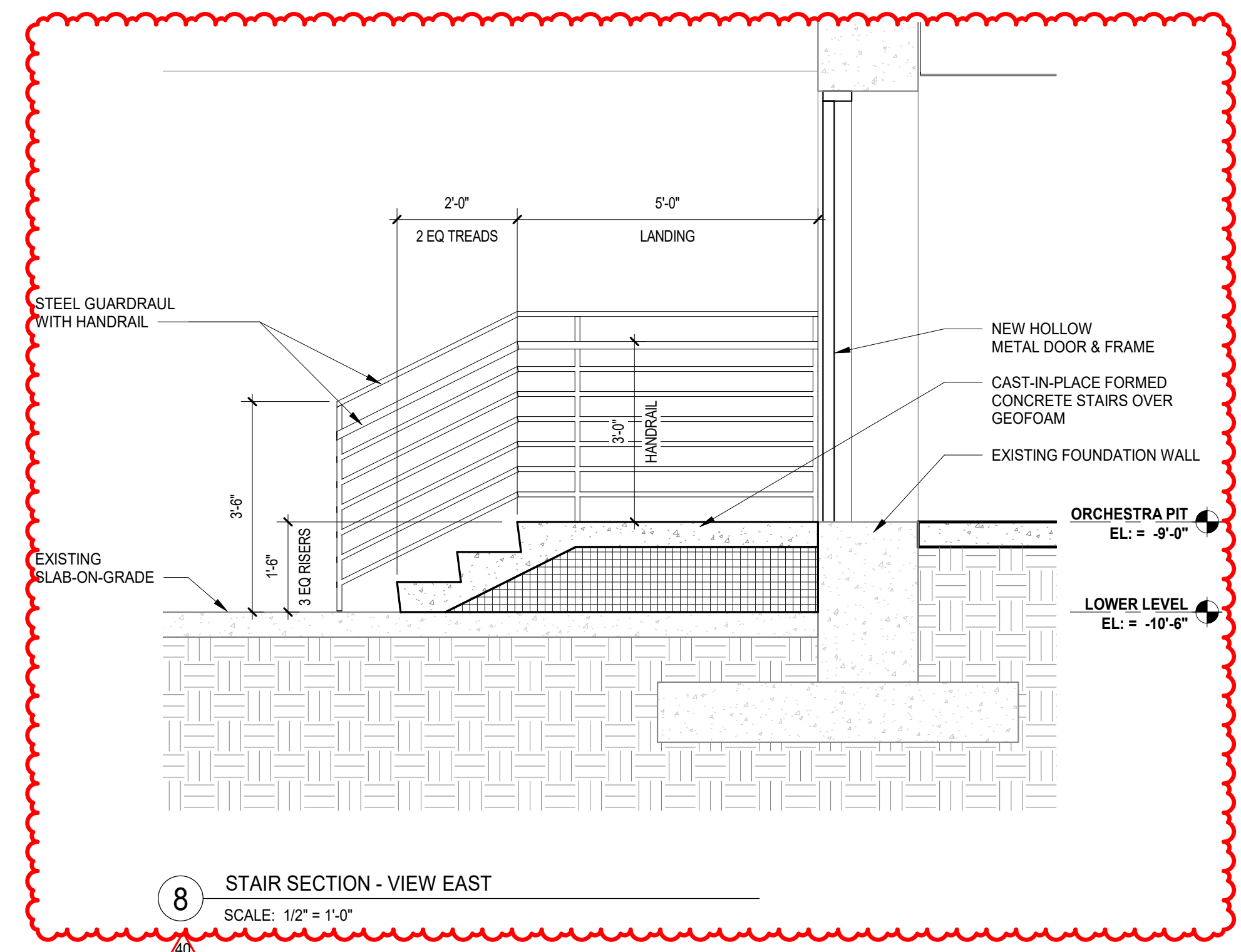
1 STAIR PLAN - LEVEL 1 - AREA B  
SCALE: 1/4" = 1'-0"



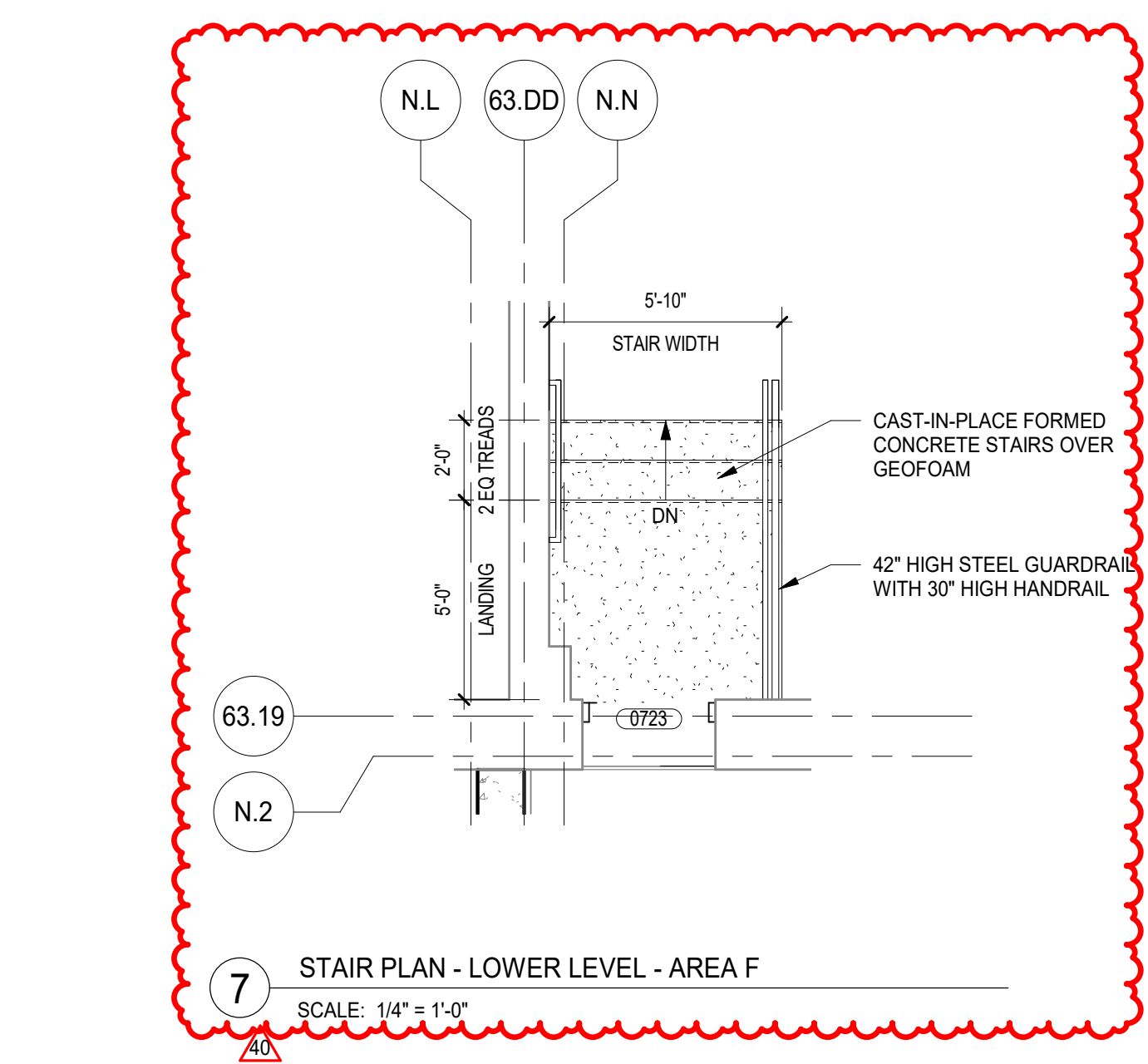
5 STAIR SECTION - VIEW NORTH  
SCALE: 1/4" = 1'-0"



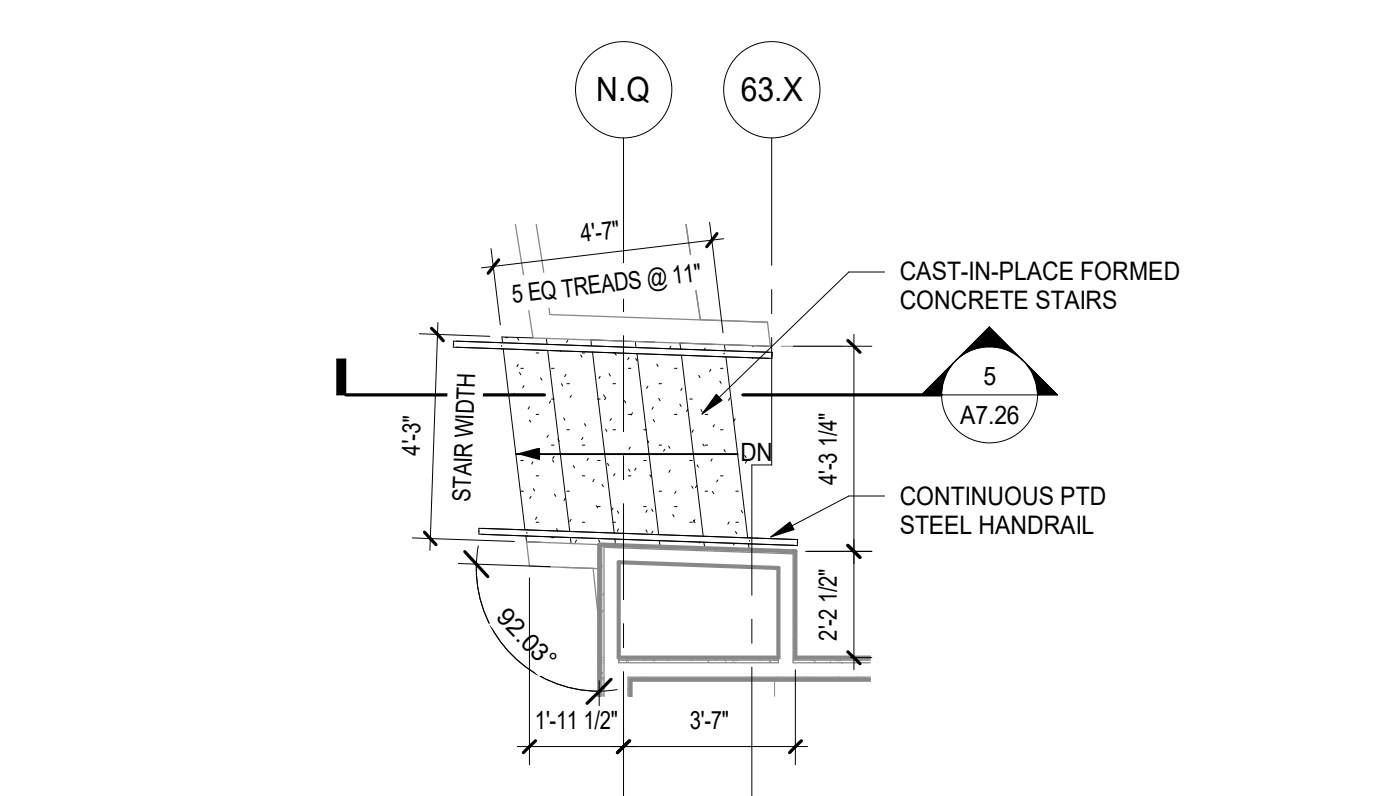
4 STAIR SECTION - VIEW EAST  
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8 STAIR SECTION - VIEW EAST  
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7 STAIR PLAN - LOWER LEVEL - AREA F  
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6 STAIR PLAN - LEVEL 2 - AREA F  
SCALE: 1/4" = 1'-0"

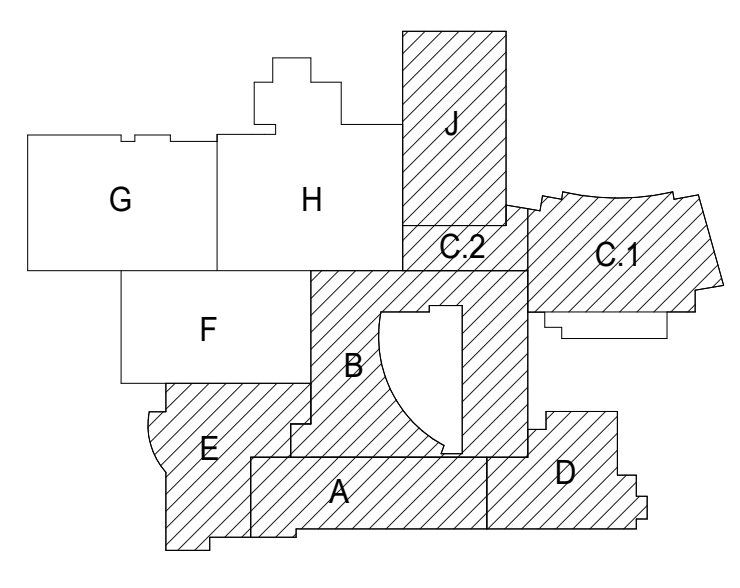
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39	ISSUED FOR ADDENDUM 3 - BGR	12.11.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
34	ISSUED FOR 75% CONSTRUCTION DOCUMENTS - PHASE C	10.14.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**STAIR PLANS & DETAILS - PHASE C**

Project Number:  
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A.SASSILA  
Sheet:



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CONSTRUCTION

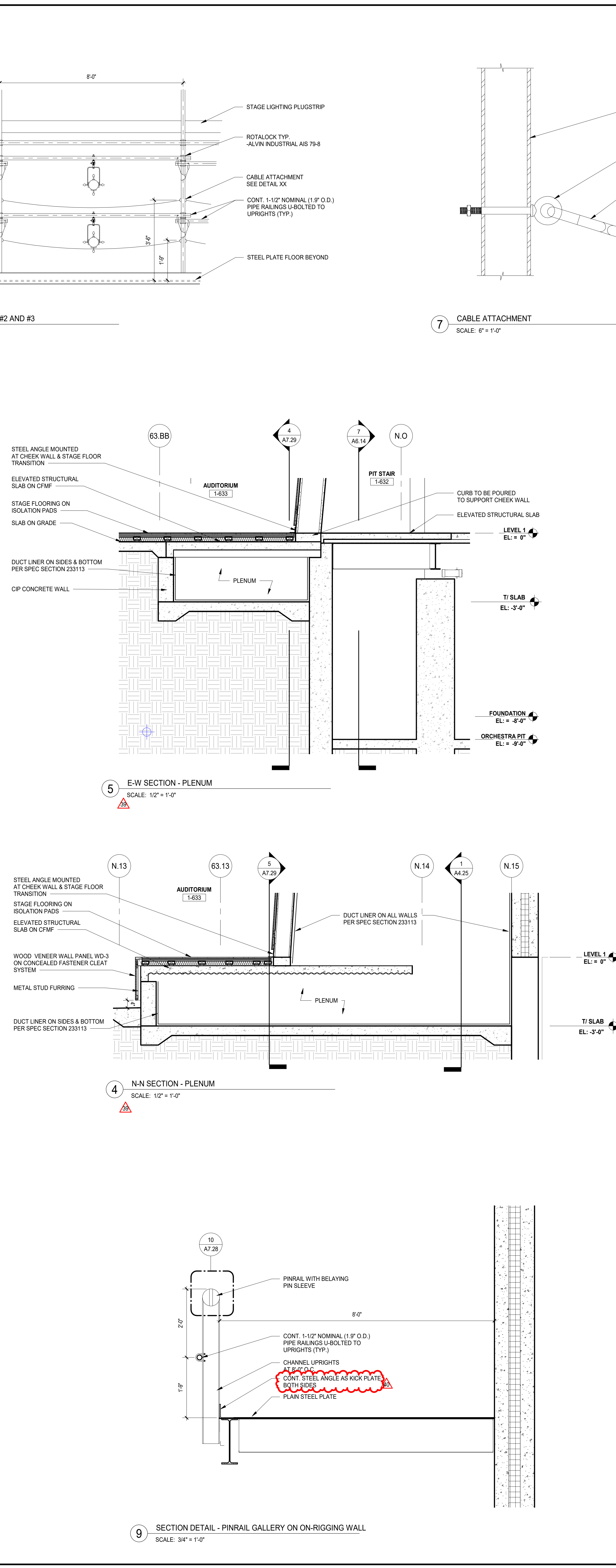
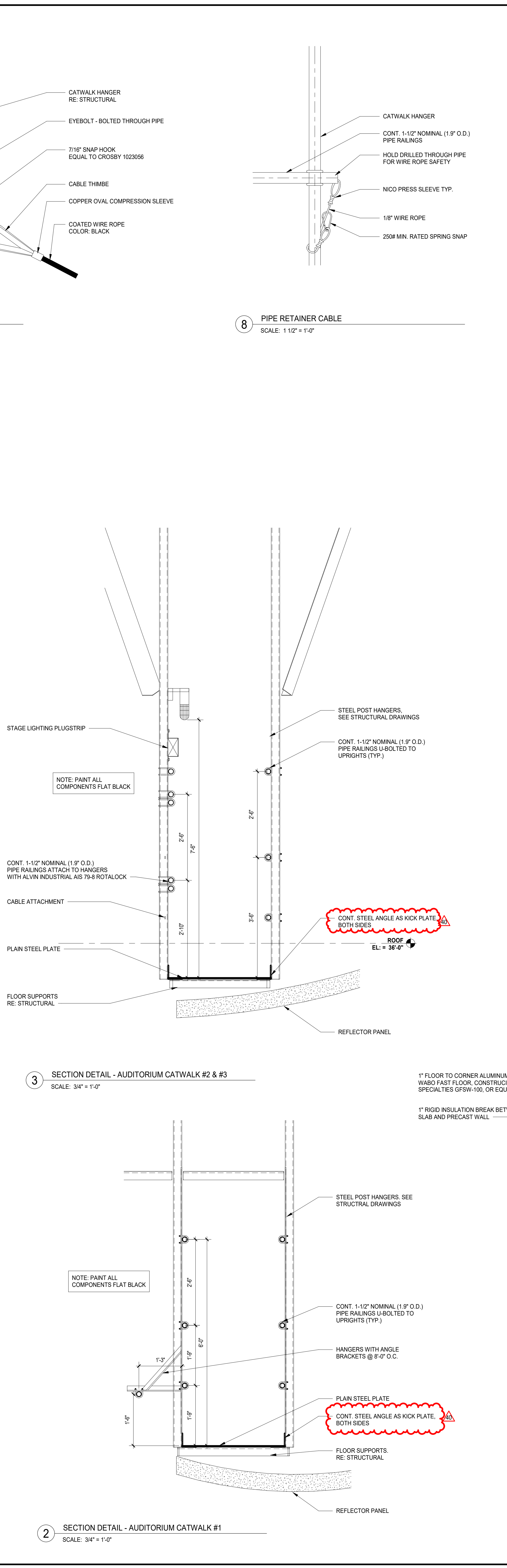
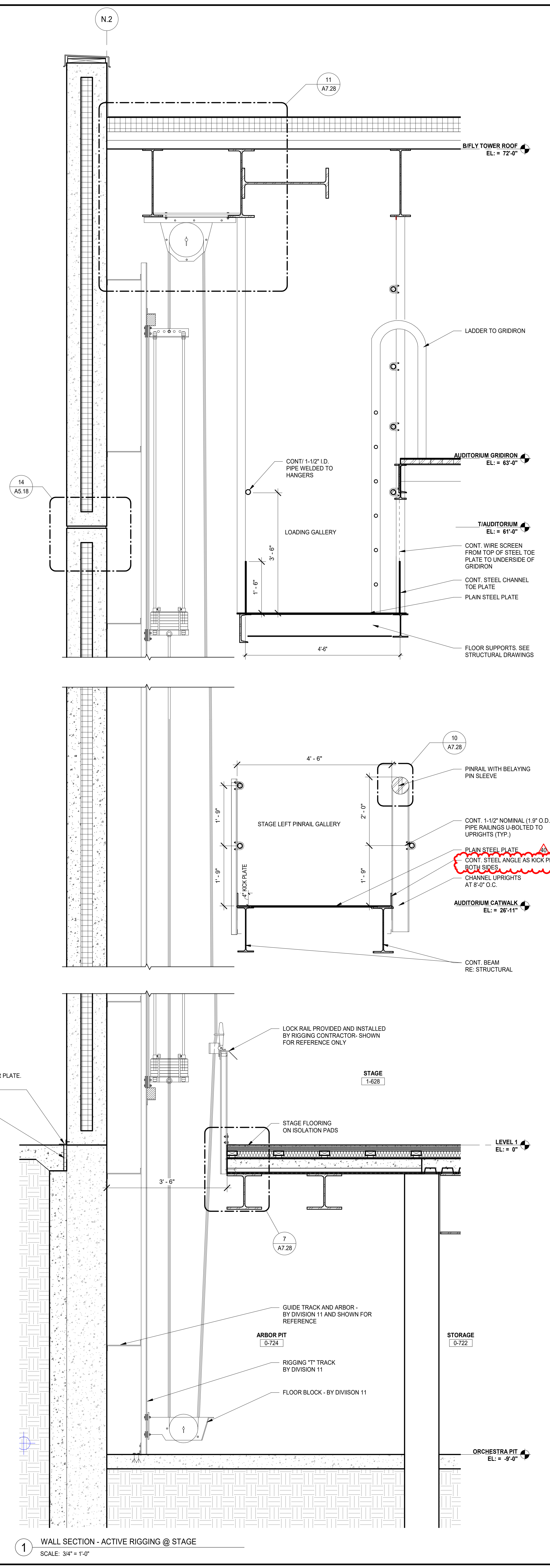
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	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
34	ISSUED FOR 75% CONSTRUCTION DOCUMENTS - PHASE C	10.14.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - SOUTH**

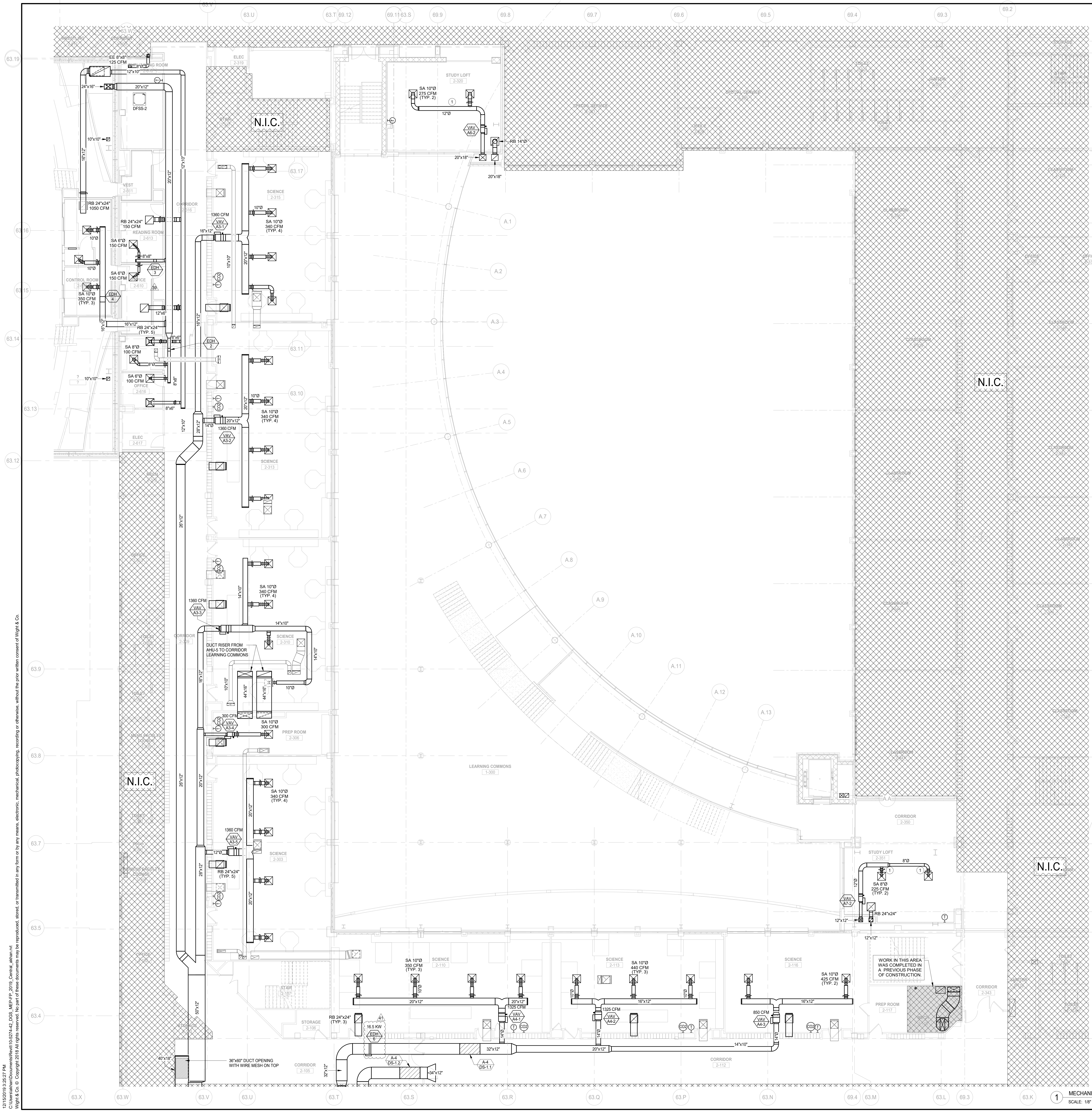
1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**AUDITORIUM SECTIONS & DETAILS - PHASE C**

Project Number:  
5274-42  
Drawn By:  
Author  
Sheet:



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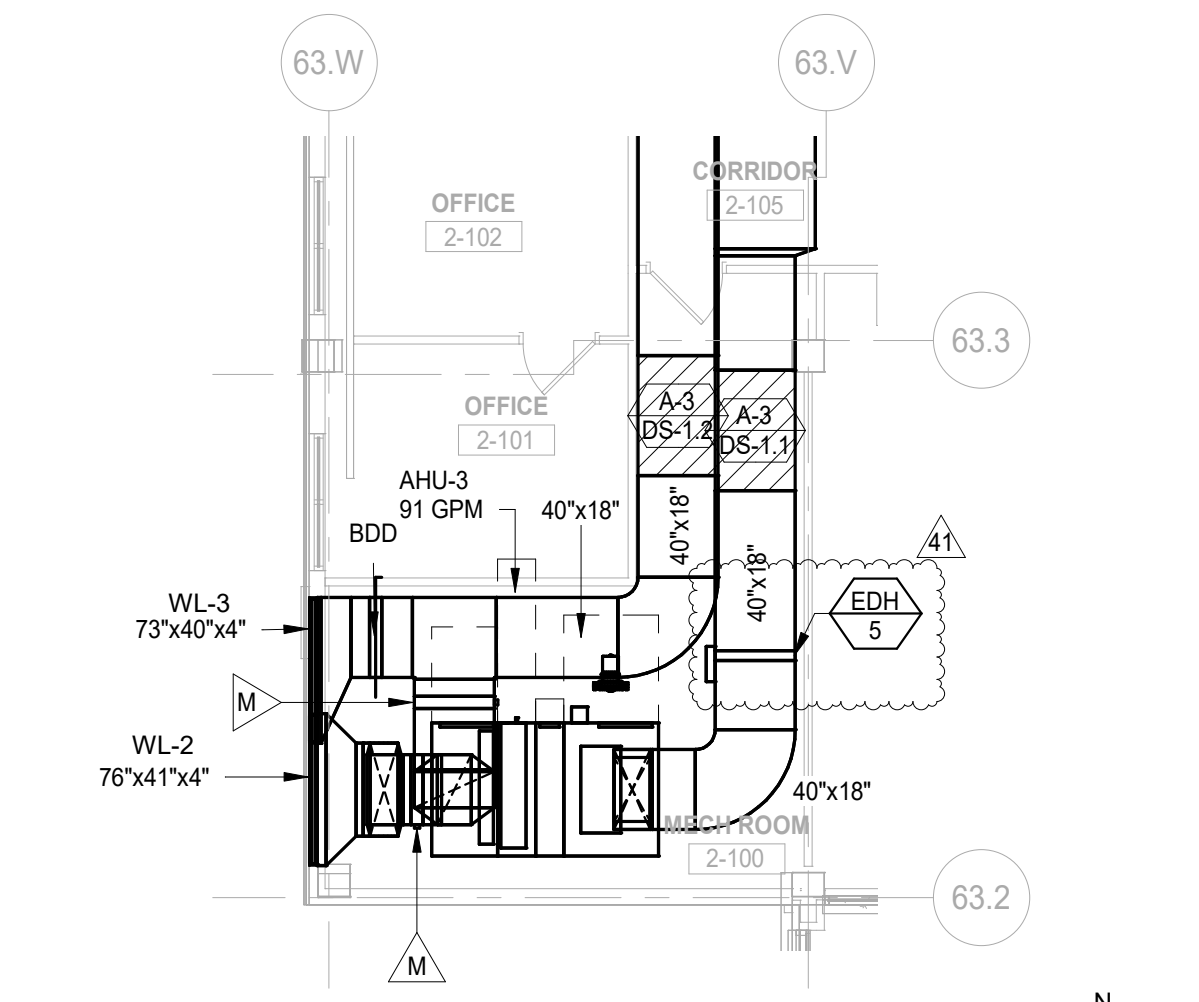
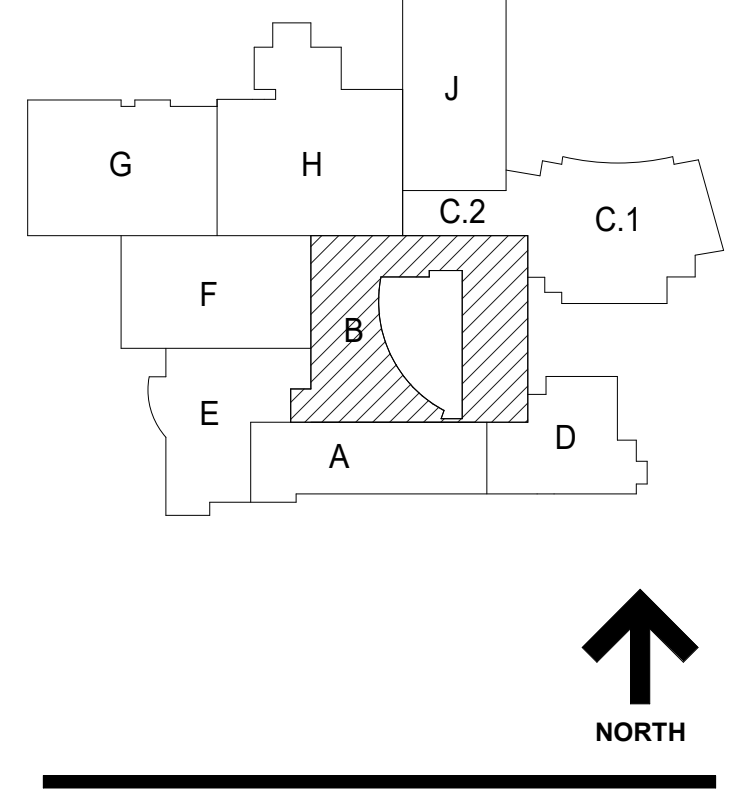
- GENERAL NOTES:
- REFER TO AC1 SERIES DRAWINGS FOR IDENTIFICATION OF ACCESSORILY SENSITIVE PARTITION AND WALLS AND FOR DETAILS OF PENETRATIONS THROUGH THESE WALLS.
  - MEFPF INSTALLING CONTRACTORS SHALL SUBMIT EXISTING ELEVATED FLOOR PLANS INDICATING ALL MEFPF FLOOR PENETRATION USES AND LOCATIONS FOR EDR APPROVAL. EDR APPROVAL IS REQUIRED PRIOR TO THE START OF CORING ACTIVITIES. COORDINATE THE TIMING OF THE SUBMITTAL ACCORDINGLY. LOCATE AND AVOID DAMAGE TO REINFORCEMENT.
- KEY NOTES:
- PROVIDE 5 FEET FLEXIBLE DUCT.

**DISTRICT 99**

COMMUNITY HIGH SCHOOL  
DISTRICT 99

**Wight**

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wightco.com  
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41	ISSUED FOR ADDENDUM 4 - BGR	12.16.2019
39	ISSUED FOR ADDENDUM 3 - BGR	12.11.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
	ISSUED FOR 80% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 50% CD - PHASE C	10.02.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
	ISSUED FOR 100% DD	07.12.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**MECHANICAL DUCT FLOOR PLAN LEVEL 2 AREA B**

Project Number:  
5274-42  
Drawn By:  
Author  
Sheet:  
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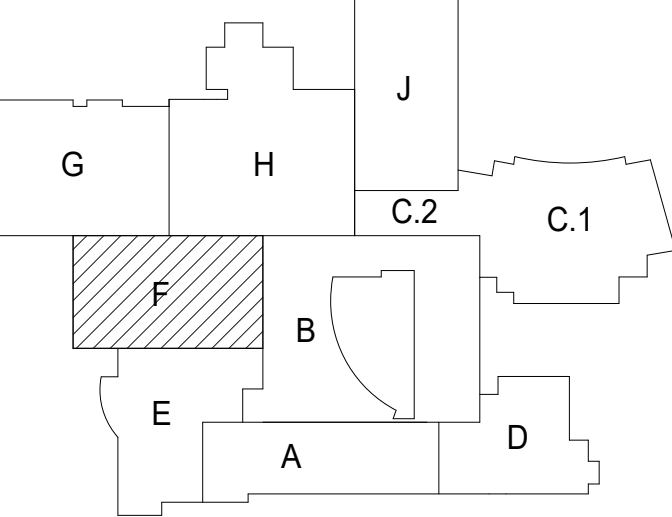
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41	ISSUED FOR ADDENDUM 4 - BCB	12.16.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
	ISSUED FOR 80% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 50% CD - PHASE C	10.02.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
	ISSUED FOR 100% DD	07.12.2019
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## MFP IMPLEMENTATION - SOUTH

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

### MECHANICAL DUCT FLOOR PLAN LEVEL 3 AREA F

Project Number:  
5274-42  
Drawn By:  
Author  
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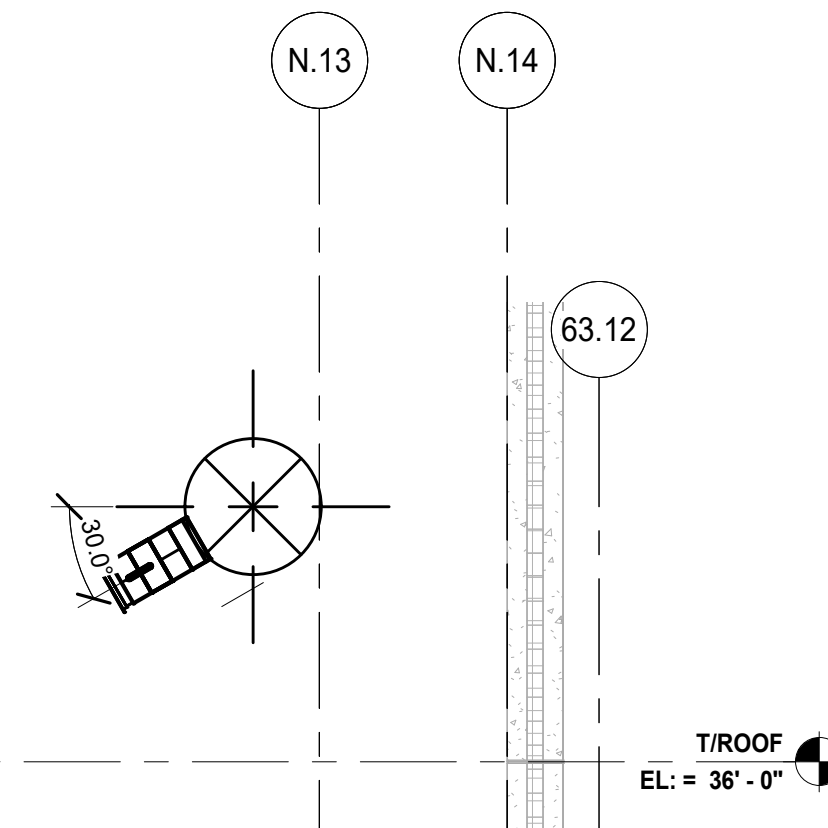
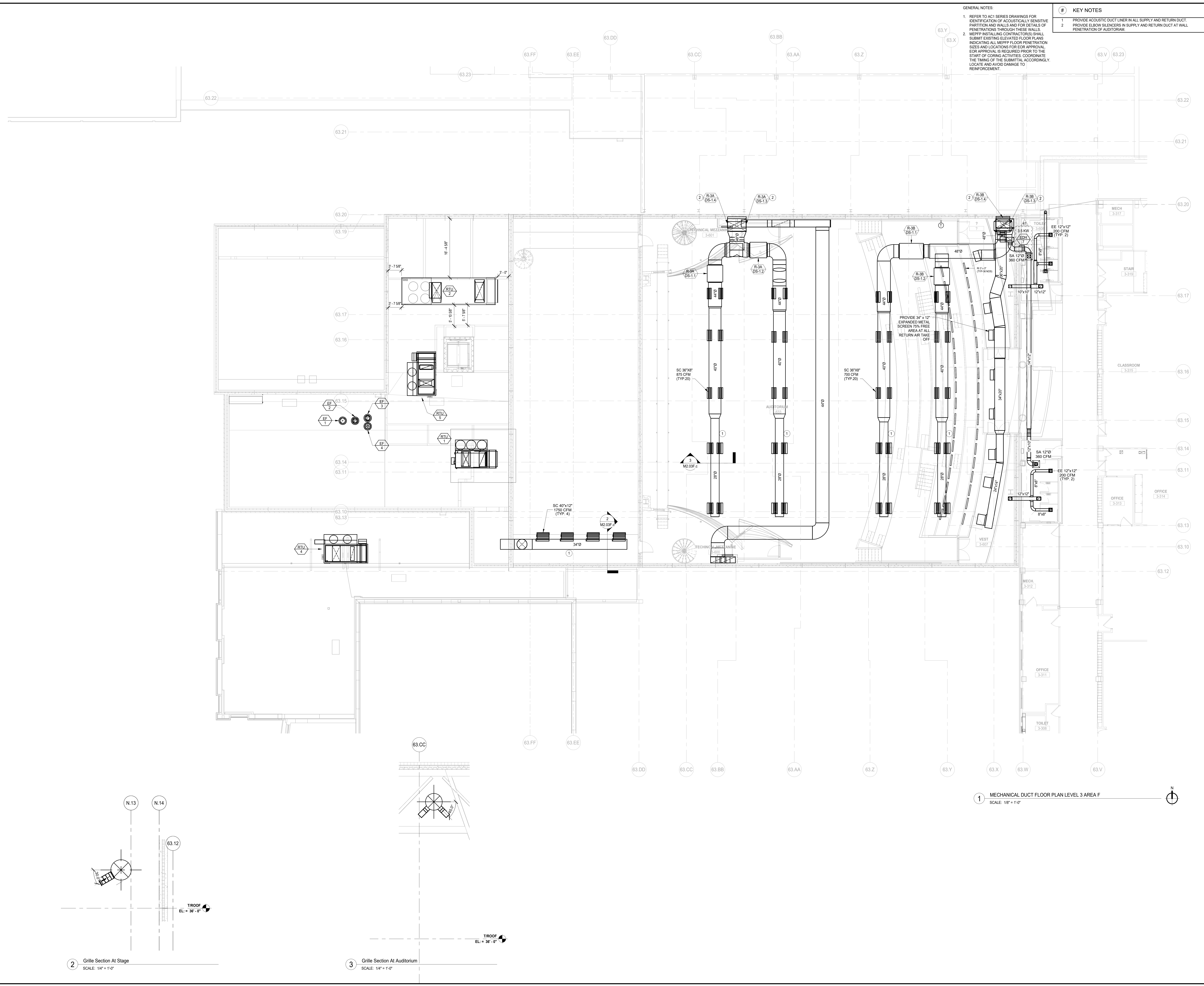
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#### GENERAL NOTES:

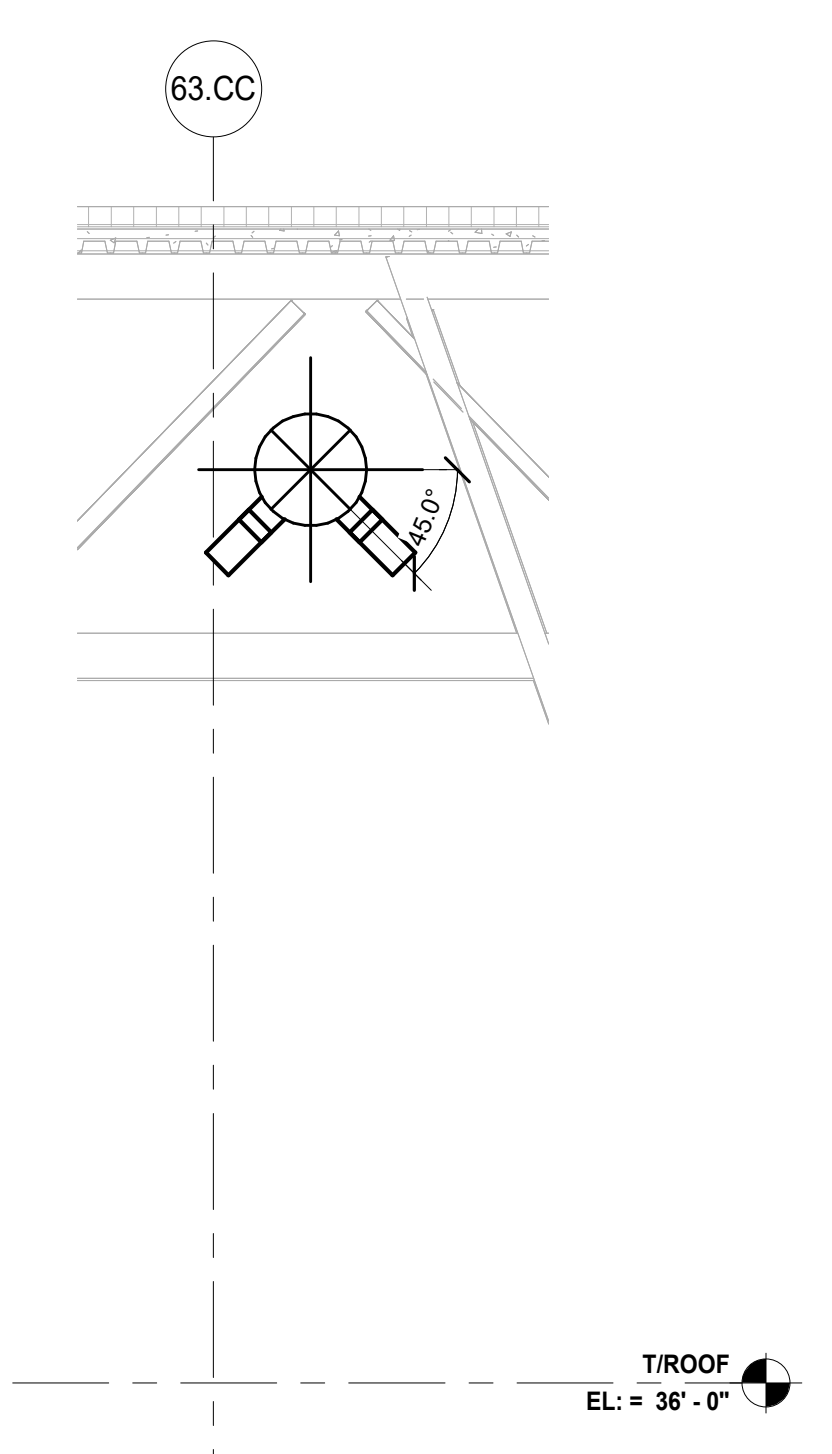
- REFER TO AC1 SERIES DRAWINGS FOR IDENTIFICATION OF ACoustically SENSITIVE PARTITION AND WALLS AND FOR DETAILS OF PENETRATIONS THROUGH THESE WALLS.
- MEFP INSTALLING CONTRACTOR(S) SHALL SUBMIT EXISTING ELEVATED FLOOR PLANS INDICATING ALL MEFP FLOOR PENETRATION SIZES AND LOCATIONS FOR EDR APPROVAL. EDR APPROVAL IS REQUIRED PRIOR TO THE START OF CORING ACTIVITIES. COORDINATE THE TIMING OF THE SUBMITTAL ACCORDINGLY. LOCATE AND AVOID DAMAGE TO REINFORCEMENT.

#### KEY NOTES

- PROVIDE ACOUSTIC DUCT LINER IN ALL SUPPLY AND RETURN DUCT.
- PROVIDE ELBOW SILENCERS IN SUPPLY AND RETURN DUCT AT WALL PENETRATION OF AUDITORIUM.



2 Grille Section At Stage  
SCALE: 1/4" = 1'-0"



3 Grille Section At Auditorium  
SCALE: 1/4" = 1'-0"

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COIL CIRCULATING PUMP SCHEDULE

Table with columns: EQUIPMENT TAG, SERVICE, SERVED AREA, MANUFACTURER, MODEL, TYPE, GPM, HEAD (FT), IMP. DIA. (IN), RPM, MOTOR HP, V/PH/Hz, NOTES. Includes rows for COP-1 through COP-14.

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS SEE SPECIFICATIONS. 2. PROVIDE VIBRATION ISOLATION HANGERS.

AIR HANDLING UNIT SCHEDULE

Table with columns: EQUIPMENT TAG, AREA SERVED, CFM, OA CFM, AIR FLOW CONFIGURATION, COOLING, HEATING, SUPPLY FAN, EXHAUST FAN, ELECTRICAL, DIMENSIONS (IN), WEIGHT (LBS), MANUFACTURER. Includes rows for AHU-2/ERV through AHU-7.

NOTES: 1. ALL UNITS SHALL BE COMPLETE WITH MERV 13 FILTERS. 2. PROVIDE DISCONNECT SWITCH AND STARTER AND VIBRATION ISOLATORS FOR EQUIPMENT. 3. ALL UNITS SHALL HAVE A MIXING BOX AND POLYMER DRAIN PAN. 4. ALL UNITS ARE TO BE FURNISHED WITH FRESH AIR INTAKE DAMPER AND RETURN AIR DAMPER WITH MODULATING MOTOR CONTROL. 5. PROVIDE FREEZE STAT AT COIL INTERLOCKED WITH OUTSIDE AIR DAMPER AND FAN MOTOR. 6. PROVIDE UNITS WITH DISCHARGE AIR SENSOR. PROVIDE MIN OF 18" PIPE CABINET. 7. PROVIDE UNIT WITH 16 GA POWDERED COATED CABINET WITH TAMPERPROOF FASTENERS AND DOUBLE WALL INSULATION. 8. PROVIDE VIBRO-ACOUSTIC ROOF CURB/DUCT CURB AND VIBRATION ISOLATORS. SUPPLY DUCT SHALL BE CONNECTED TO UNIT VIA FLEXIBLE CONNECTOR. 9. ALL UNITS SHALL BE WITH CONTROL'S FACTORY INSTALLED AND DDO READY. 10. PROVIDE ECM MOTORS AND SINGLE POINT ELECTRICAL FEEDER FOR THE UNIT. LIGHTS AND GFI ON 115V/60. 11. PROVIDE WALL MOUNTED THERMOSTAT AND H.G.R.H ON HIGH OAI. 12. CONTROL SEQUENCE TO LIMIT DISCHARGE AIR TEMP FROM UNIT TO 100 F. 13. 3-WAY VALVE FOR HOT WATER COIL SHALL BE BYPASSED TO MEET EWT 110 F.

DUST COLLECTOR SCHEDULE

Table with columns: EQUIPMENT TAG, SERVED AREA, CFM, SP (IN WG), INLET DIA, FOOT PRINT, BLOWER HP, VOLT, PH, MAKE & MODEL, TYPE, DRUM CAPACITY, NOTES. Includes row for DC-1.

NOTES: 1. BLOWER SHALL BE AMCA CERTIFIED. 2. ALL THE COMPONENTS SHALL BE PROVIDED OF CARBON MAKE, LIKE DAMPERS, CLAMPS, HOSE AND FLOOR SWEEP WITH BALDOR MOTOR, CEM3559. 3. STANDARD FINISH: TWO PART OF EPOXY PRIMED & FINISHED WITH MIL WHITE EPOXY. 4. PROVIDE FINAL FILTERS AND REMOTE CONTROL. 5. DUCTWORK SHALL BE CLASS 2 TRANSFER DUCT; 2 NOS OF CARBON FLOOR SWEEP AND HOSE CONNECTION (2 NOS OF 3" DIA. SFT. LONG, 2 NOS OF 4" DIA. SFT. LONG, 1 NOS OF 5" DIA. SFT. LONG) WITH 6 STEEL CLAMPS. 6. 2 YEAR WARRANTY. 7. PROVIDE VIBRATION ISOLATORS FOR EQUIPMENT, ACCESSORIES AND AS PER MANUFACTURER RECOMMENDED INSTALLATION INSTRUCTIONS.

AIR COMPRESSOR SCHEDULE

Table with columns: EQUIPMENT TAG, LOCATION, SERVICE, MANUFACTURER, STAGE, WEIGHT, TYPE, OUTLET, MODEL, SIZE, TANK, COMPRESSOR CFM, HP, V/PH/Hz, NOTES. Includes row for AC-1.

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS SEE SPECIFICATIONS. 2. PROVIDE 1/4 HOSE REEL IN STUDIO THEATRE AND 2/4 HOSE REEL IN SCENE SHOP AND 1/4 WALL PORT WITH DUAL NOZZLE. 2W WALL PORT WITH DUAL NOZZLE. 3. PROVIDE 2-STAGE DOUBLE ACTING RECIPROCATING AIR COMPRESSOR. 4. PROVIDE PER MANUFACTURER RECOMMENDED INSTALLATION INSTRUCTIONS AND ACCESSORIES. 5. PROVIDE VIBRATION ISOLATORS FOR EQUIPMENT.

ELECTRIC BASE BOARD SCHEDULE

Table with columns: EQUIPMENT TAG, LOCATION, SERVED AREA, MANUFACTURER, MODEL, DIMENSIONS (IN), ELECTRICAL, NOTES. Includes row for EBB-1.

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS SEE SPECIFICATIONS. 2. PROVIDE WALL MOUNTED THERMOSTAT. 3. PROVIDE DISCONNECT SWITCH. 4. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. 5. COORDINATE WITH ELECTRICAL AND INSTALL BASE BOARD MIN 12" ABOVE BOTTOM OF PIT.

CABINET UNIT HEATER SCHEDULE

Table with columns: EQUIPMENT TAG, LOCATION, MANUFACTURER, MODEL, TYPE, FAN CFM, RPM, MBH, GPM, PRESS DROP, EWT (F), EAT (F), HP, VOLT, MOCP, PHASE, CABINET, CABINET DIMENSIONS (IN), FILTER, BUILT-IN DISCONN, NOTES. Includes rows for CUH-1 and CUH-2.

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS SEE SPECIFICATIONS. 2. COLOR AS SELECTED BY ARCHITECT. 3. PROVIDE BUILT-IN RETURN AIR THERMOSTAT. 4. TOP DISCHARGE AND BOTTOM RETURN CONFIGURATION. 5. FOLLOW MANUFACTURER INSTALLATION RECOMMENDATIONS.

DIFFUSER, GRILLE AND REGISTER SCHEDULE

Table with columns: EQUIPMENT TAG, MANUFACTURER, MODEL, TYPE, NOMINAL FACE SIZE, MATERIAL, MAX. N.C., NOTES. Includes rows A through J.

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS SEE SPECIFICATIONS. 2. COLOR & FINISH TO BE SELECTED BY ARCHITECT. 3. PROVIDE OPPOSED BLADE DAMPER WHERE REQUIRED. 4. PROVIDE DAMPER IN DIFFUSER NECK OVER INACCESSIBLE CEILING.

DUCT FREE SPLIT SYSTEM SCHEDULE

Table with columns: EQUIPMENT TAG, LOCATION, AREA SERVED, MANUFACTURER, CAPACITY (MBH), INDOOR UNIT, OUTSIDE UNIT, NOTES. Includes rows DFSS-1 and DFSS-2.

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS SEE SPECIFICATIONS. 2. FIELD INSTALLED ACCESSORIES TO INCLUDE THERMOSTAT AND SUB-BASERIALS, CRANKCASE HEATER, FILTERS, WINTER START CONTROL, LOW AMBIENT CONTROLS, ANTI-CYCLE TIMER, LIQUID LINE SOLENOID VALVE, WALL MOUNT KIT AND VIBRATION ISOLATORS. 3. HEAT PUMP WITH ISOLATION HANGERS.

EXHAUST FAN SCHEDULE

Table with columns: EQUIPMENT TAG, LOCATION, AREA SERVED, MANUFACTURER, MODEL, TYPE, DRIVE, CFM, ESP (IN), FAN RPM, MOTOR HP, RPM, V/PH/Hz, CONTROL, NOTES. Includes rows EF-1 through EF-7.

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS SEE SPECIFICATIONS. 2. MOTORIZED DAMPER AND BIRDSCREEN. 3. DISCONNECT SWITCH. 4. SOLD STATE SPEED CONTROLLER. 5. ROOF CURB AND VIBRATION ISOLATORS.

ELECTRIC DUCT COIL SCHEDULE

Table with columns: EQUIP TAG, LOCATION, EQUIPMENT SERVED, MANUFACTURER, MODEL, TYPE, SIZE WxH, CFM, SP (IN), KW, PHASE, VOLT, NOTES. Includes rows EDH-1 through EDH-7.

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS SEE SPECIFICATIONS. 2. FURNISH COMPLETE WITH DISCONNECT SWITCH, CONTROL TRANSFORMER, MAGNETIC CONTACTORS, AIR FLOW SWITCH AND THERMAL CUTOUTS AND WALL THERMOSTAT. 3. COORDINATE WITH BMS.

DUCT SILENCER SCHEDULE

Table with columns: EQUIPMENT TAG, LOCATION, SERVICE, SERVED AREA, MANUFACTURER, MODEL, CFM, SIZE, SOUND BAND DATA: GENERATED NOISE, MAX. AIR P.F. (N/D), NOTES. Includes rows A-10S-1 through A-7DS-12.

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS SEE SPECIFICATIONS. 2. GALVANIZED, CL 2 (16 GA); 22 GA PERFORATED INLET, FIBERGLASS, 2" SLIP CONNECTION ON INLET & OUTLET, COMPLY TO ASTM E447.

EXISTING AIR HANDLING UNIT W/ERV SCHEDULE (AAON) FOR BALANCING

Table with columns: EQUIPMENT TAG, AREA SERVED, CFM, OA CFM, AIR FLOW CONFIGURATION, COOLING, HEATING, ELECTRICAL, DIMENSIONS (IN), WEIGHT (LBS), MANUFACTURER, SERIAL #, MODEL #, NOTES. Includes rows AHU-1 and AHU-6.

NOTES: 1. ALL UNITS SHALL BE COMPLETE WITH MERV 8 FILTERS. 2. PROVIDE AND COMPLETE AHU-1 AND AHU-6 AIR AND WATER BALANCING.

FAN POWERED BOX SCHEDULE

Table with columns: EQUIPMENT TAG, LOCATION, AREA SERVED, MANUFACTURER, MODEL, AIR FLOW DATA (CFM), UNIT SIZE, ELECTRICAL, NC LEVELS, HOT WATER COIL, POWER, NOTES. Includes rows FBRB-1 through FBA7-1.

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS SEE SPECIFICATIONS. 2. ALL BOXES TO BE FACTORY INSULATED INTEGRAL INLET SOUND ATTENUATOR, PRIMARY AIR VALVE, FAN CONTROL BOX, FIELD VARIABLE FAN SPEED CONTROL AND ACCESS PANELS. (INLET SOUND ATTENUATOR NEED NOT BE FURNISHED IF BOX INLET IS SHOWN DUCTED ON FLOOR PLAN). 3. MINIMUM EXTERNAL STATIC PRESSURE CAPABILITY IN ADDITION TO THE INTEGRAL HOT WATER HEATING COIL SHALL BE 0.2". 4. SOUND POWER LEVELS (SPL) MEASURED IN 3rd OCTAVE BAND AT FULL AIR FLOW WITH 1" STATIC PRESSURE. NOISE CRITERIA (NC) SOUND INFORMATION IS BASED ON ANSI 88S-90. 5. HOT WATER COIL AIR PRESSURE DROP SHALL NOT EXCEED 0.02" AT AIR FLOW RATE SCHEDULED. 6. HOT WATER COIL WATER PRESSURE DROP SHALL NOT EXCEED 0.02 FEET AT WATER FLOW RATE SCHEDULED. 7. FAN DISCHARGE ONLY 48 LEVELS ARE BASED WITH FANS ON LOW SPEED AT 0.25" OF EXTERNAL STATIC PRESSURE AND AT THE 3rd OCTAVE BAND. 8. FFB BOX MANUFACTURER TO PROVIDE DAMPER ACTUATOR FLOW SENSOR FOR FIELD INSTALLATION. 9. FFB BOX MANUFACTURER TO MOUNT IN FACTORY THE DDC CARBON CONTROLLER FURNISHED BY THE CONTRACTOR. 10. MAXIMUM WATER TEMPERATURE DROP SHALL NOT EXCEED 4.0". 11. BOXES SHALL BE LINED WITH 4 LB. DENSITY NON-POROUS, SEALED LINER. 12. PROVIDE VIBRATION ISOLATION HANGERS.

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41 ISSUED FOR ADDENDUM 4 - BGS 12.16.2019 39 ISSUED FOR ADDENDUM 3 - BGS 12.11.2019 ISSUED FOR BID GROUP 8 - PHASE C 11.20.2019 ISSUED FOR 90KDC - PHASE C 11.01.2019 ISSUED FOR 75KDC - PHASE C 10.14.2019 ISSUED FOR 50KDC - PHASE C 10.02.2019 ISSUED FOR 25KDC - PHASE C 08.30.2019 REV DATE

MFP IMPLEMENTATION - SOUTH

1436 NORFOLK STREET DOWNERS GROVE, IL 60516

MECHANICAL SCHEDULES

Project Number: 5274-42 Drawn By: Author Sheet: M5.01.c

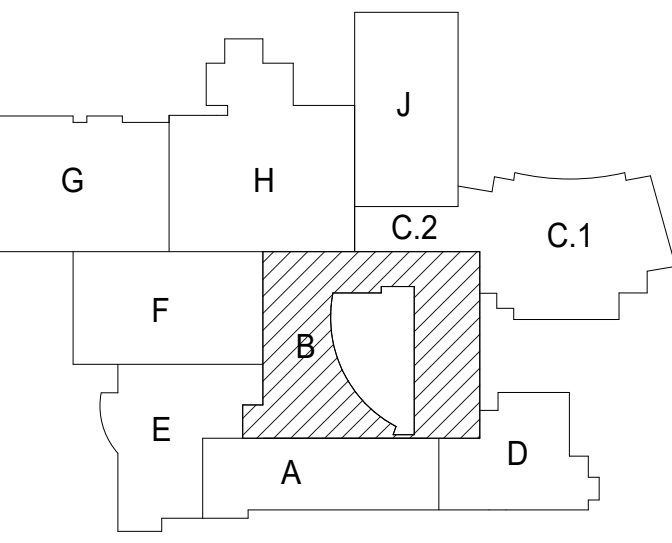
19/10/2019 3:20:07 PM C:\Users\sharad\Documents\1910-5274-42\_DWG\_MFP-FP\_2019\_Central\_Alan\W1\W1gs & Co. © Copyright 2019. All rights reserved. No part of these documents may be reproduced, stored, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written consent of Wight & Co.



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41	ISSUED FOR ADDENDUM 4 - BGR	12.16.2019
39	ISSUED FOR ADDENDUM 3 - BGR	12.11.2019
36	ISSUED FOR ADDENDUM 2 - BGR	12.04.2019
	ISSUED FOR BID GROUP A - PHASE C	11.20.2019
	ISSUED FOR 80% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 50% CD - PHASE C	10.02.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
	ISSUED FOR 100% DD	07.12.2019
REV	ISSUE	DATE

## MFP IMPLEMENTATION - SOUTH

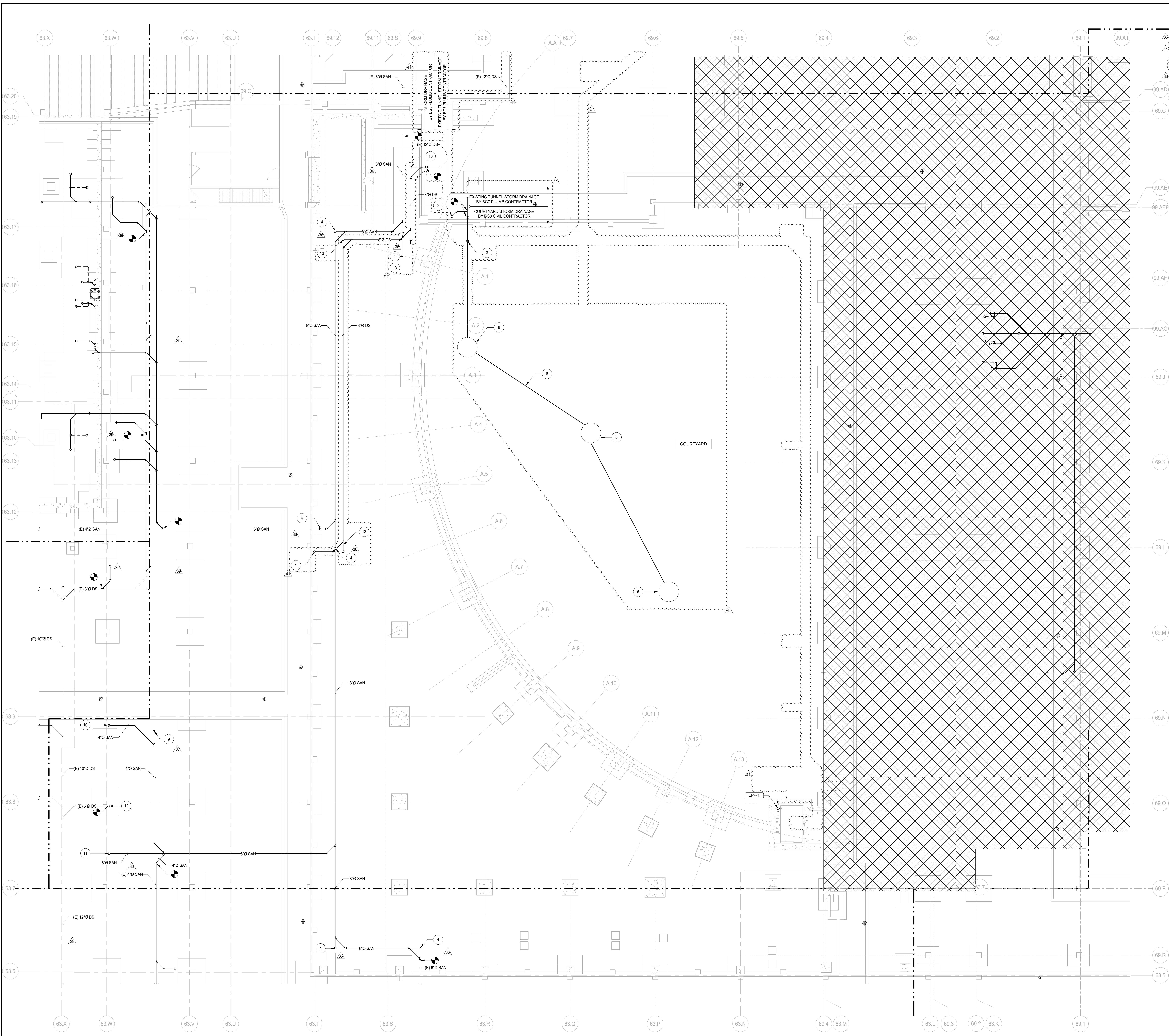
1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

## SANITARY & DRAINAGE FLOOR PLAN - UNDERGROUND AREA B (PHASE C)

Project Number:  
5274-42  
Drawn By:  
E. AGUILAR  
Sheet:

# P1.10B.c

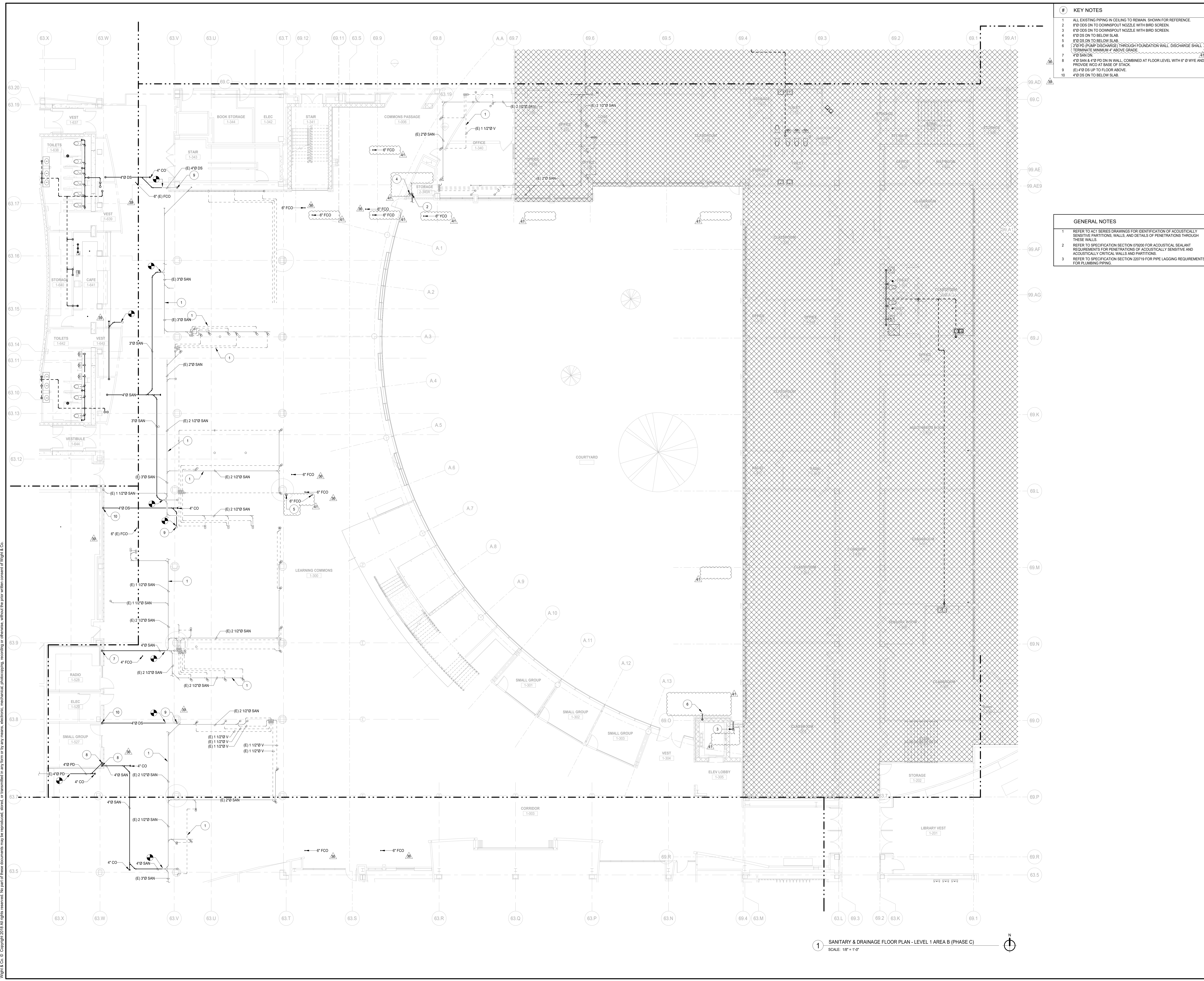
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1	6" DS UP TO ABOVE SLAB
2	6" DS UP TO ABOVE SLAB
3	6" DS UP TO YCD
4	6" SAN UP TO FCD
5	KEYNOTE REMOVED AND NO LONGER REFERENCED
6	CATCH BASIN AND STORM PIPING FURNISHED AND INSTALLED BY SITE UTILITY CONTRACTOR. SEE CIVIL DRAWINGS FOR FURTHER INFORMATION.
7	KEYNOTE REMOVED AND NO LONGER REFERENCED
8	KEYNOTE REMOVED AND NO LONGER REFERENCED
9	4" SAN UP TO FCD
10	4" SAN UP TO ABOVE SLAB
11	6" DS UP TO ABOVE SLAB
12	4" DS UP TO ABOVE SLAB
13	6" DS UP TO FCD



1 SANITARY & DRAINAGE FLOOR PLAN - UNDERGROUND AREA B (PHASE C)  
SCALE: 1/8" = 1'-0"

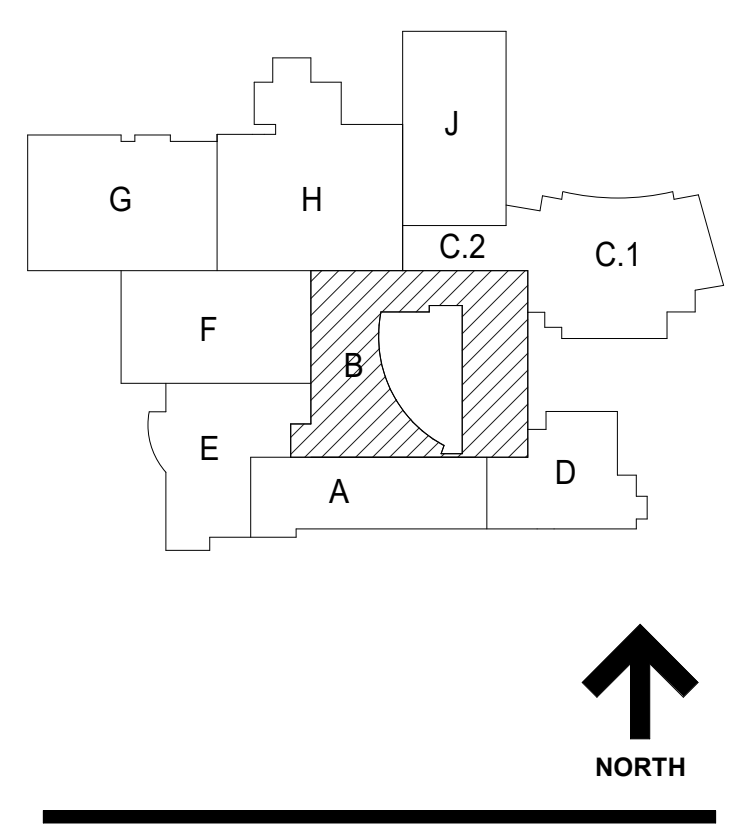
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- KEY NOTES**
- 1 ALL EXISTING PIPING IN CEILING TO REMAIN. SHOWN FOR REFERENCE.
  - 2 8" ODS DN TO DOWNSPOUT NOZZLE WITH BIRD SCREEN.
  - 3 6" ODS DN TO DOWNSPOUT NOZZLE WITH BIRD SCREEN.
  - 4 6" ODS DN TO BELOW SLAB.
  - 5 8" ODS DN TO BELOW SLAB.
  - 6 2" ODS DN TO BELOW SLAB.
  - 7 2" ODS DN TO BELOW SLAB.
  - 8 4" ODS DN TO BELOW SLAB.
  - 9 4" ODS DN TO BELOW SLAB.
  - 10 4" ODS DN TO BELOW SLAB.

- GENERAL NOTES**
- 1 REFER TO ACT SERIES DRAWINGS FOR IDENTIFICATION OF ACOUSTICALLY SENSITIVE PARTITIONS, WALLS, AND DETAILS OF PENETRATIONS THROUGH THESE WALLS.
  - 2 REFER TO SPECIFICATION SECTION 071000 FOR ACOUSTICAL SEALANT REQUIREMENTS FOR PENETRATIONS OF ACOUSTICALLY SENSITIVE AND ACOUSTICALLY CRITICAL WALLS AND PARTITIONS.
  - 3 REFER TO SPECIFICATION SECTION 220719 FOR PIPE LAGGING REQUIREMENTS FOR PLUMBING PIPING.



**NOT FOR CONSTRUCTION**

41	ISSUED FOR ADDENDUM 4 - BGR	12.16.2019
39	ISSUED FOR ADDENDUM 3 - BGR	12.11.2019
36	ISSUED FOR ADDENDUM 2 - BGR	12.04.2019
	ISSUED FOR BID GROUP A - PHASE C	11.20.2019
	ISSUED FOR 80%CD - PHASE C	11.01.2019
	ISSUED FOR 75%CD - PHASE C	10.14.2019
	ISSUED FOR 50%CD - PHASE C	10.02.2019
	ISSUED FOR 25%CD - PHASE C	08.30.2019
	ISSUED FOR 100% I/D	07.12.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**SANITARY & DRAINAGE FLOOR PLAN - LEVEL 1 AREA B (PHASE C)**

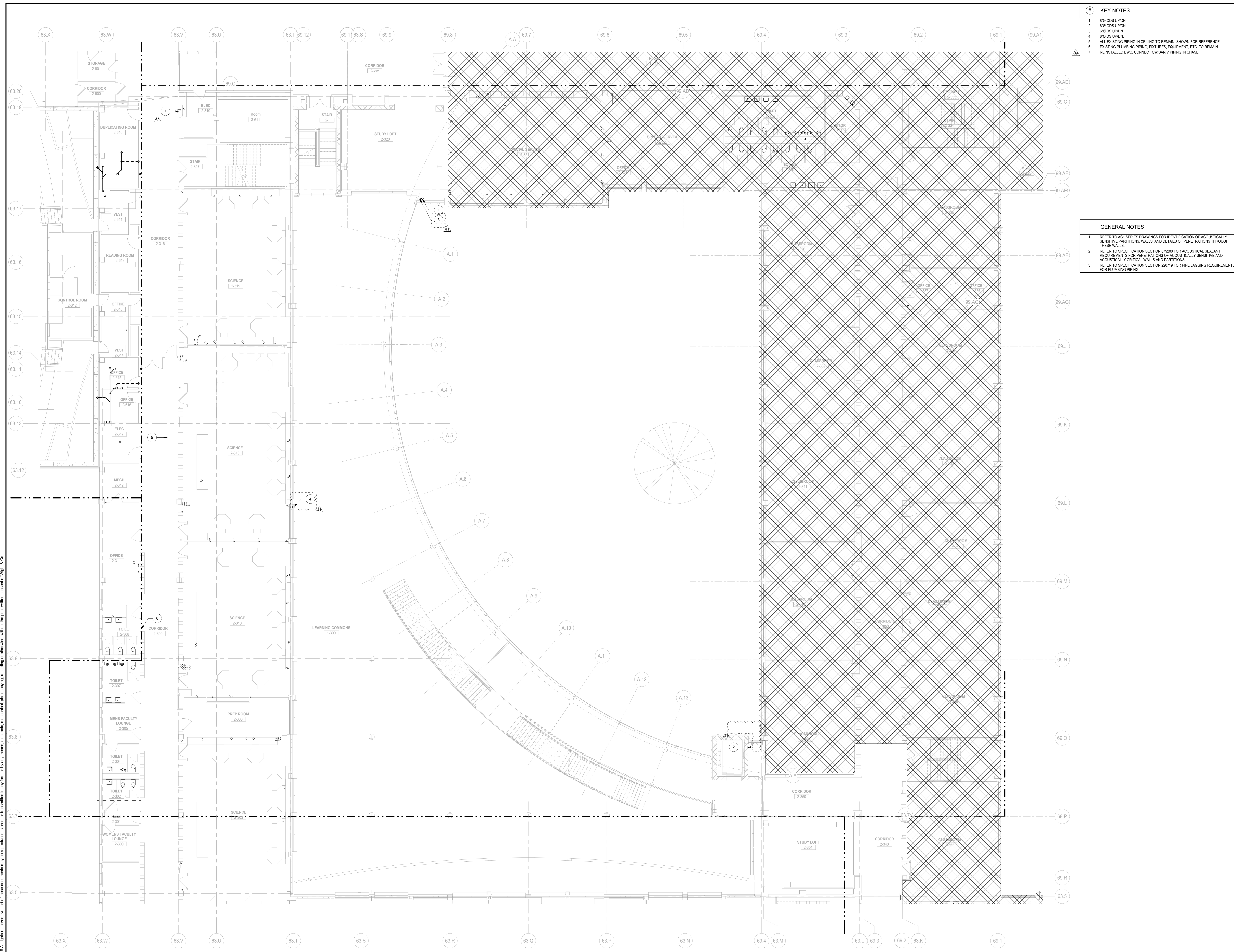
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5274-42  
Drawn By:  
E. AGUILAR  
Sheet:

**P1.11B.c**

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**1 SANITARY & DRAINAGE FLOOR PLAN - LEVEL 1 AREA B (PHASE C)**  
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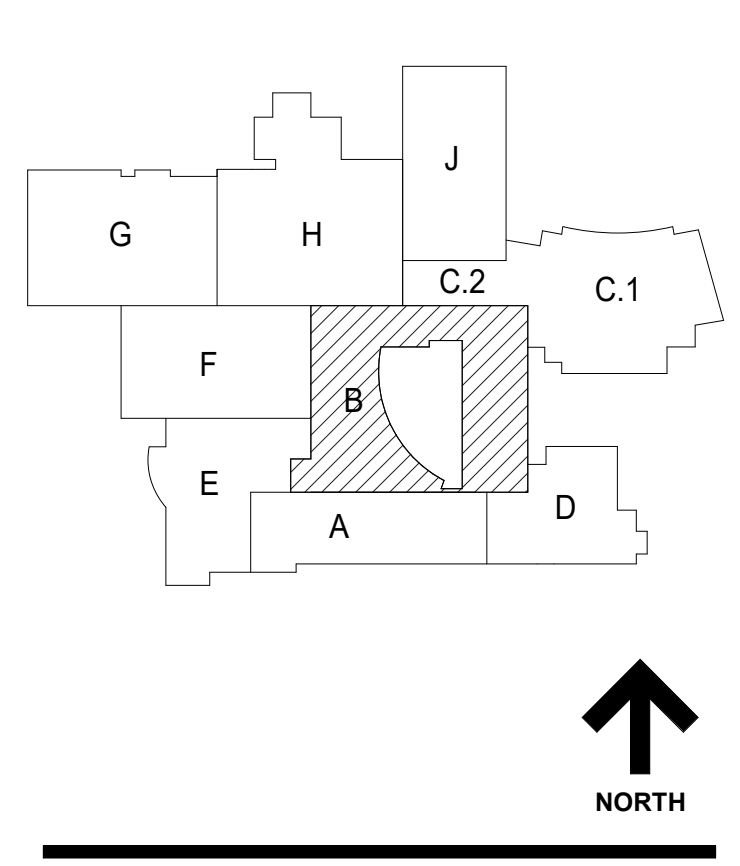
#	KEY NOTES
1	6"Ø ODS UP/DN
2	6"Ø DS UP/DN
3	6"Ø DS UP/DN
4	6"Ø DS UP/DN
5	ALL EXISTING PIPING IN CEILING TO REMAIN. SHOWN FOR REFERENCE.
6	EXISTING PLUMBING FIXTURES, EQUIPMENT, ETC. TO REMAIN.
7	REINSTALLED EWC. CONNECT CIVISANY PIPING IN CHASE.

GENERAL NOTES	
1	REFER TO ACT SERIES DRAWINGS FOR IDENTIFICATION OF ACOUSTICALLY SENSITIVE PARTITIONS, WALLS, AND DETAILS OF PENETRATIONS THROUGH THESE WALLS.
2	REFER TO SPECIFICATION SECTION 071000 FOR ACOUSTICAL SEALANT REQUIREMENTS FOR PENETRATIONS OF ACOUSTICALLY SENSITIVE AND ACOUSTICALLY CRITICAL WALLS AND PARTITIONS.
3	REFER TO SPECIFICATION SECTION 220719 FOR PIPE LAGGING REQUIREMENTS FOR PLUMBING PIPING.



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41	ISSUED FOR ADDENDUM 4 - B08	12.16.2019
39	ISSUED FOR ADDENDUM 3 - B08	12.11.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
	ISSUED FOR 80% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 50% CD - PHASE C	10.02.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
	ISSUED FOR 100% DD	07.12.2019

**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

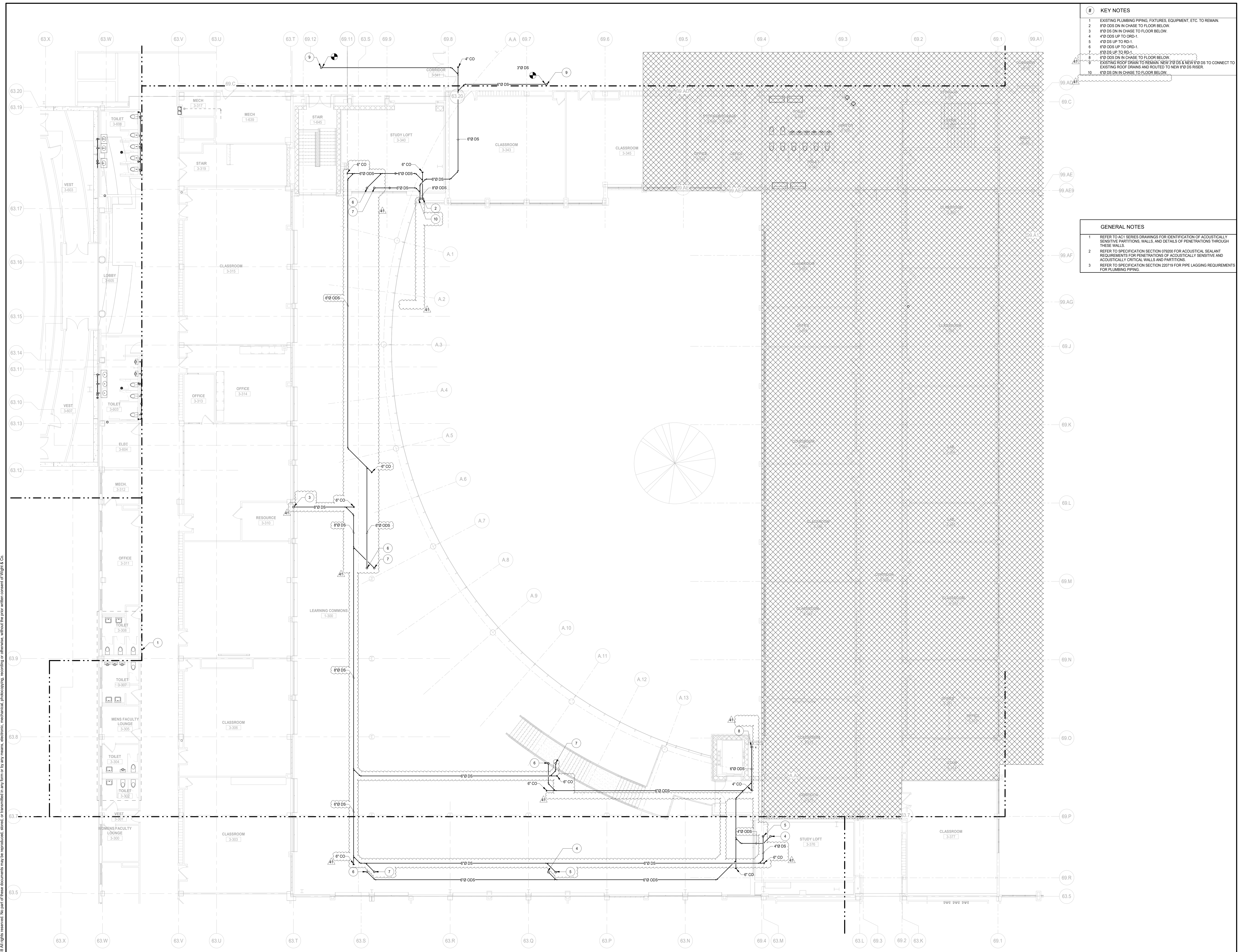
**SANITARY & DRAINAGE FLOOR PLAN - LEVEL 2 AREA B**

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5274-42  
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Sheet:

**P1.12B**

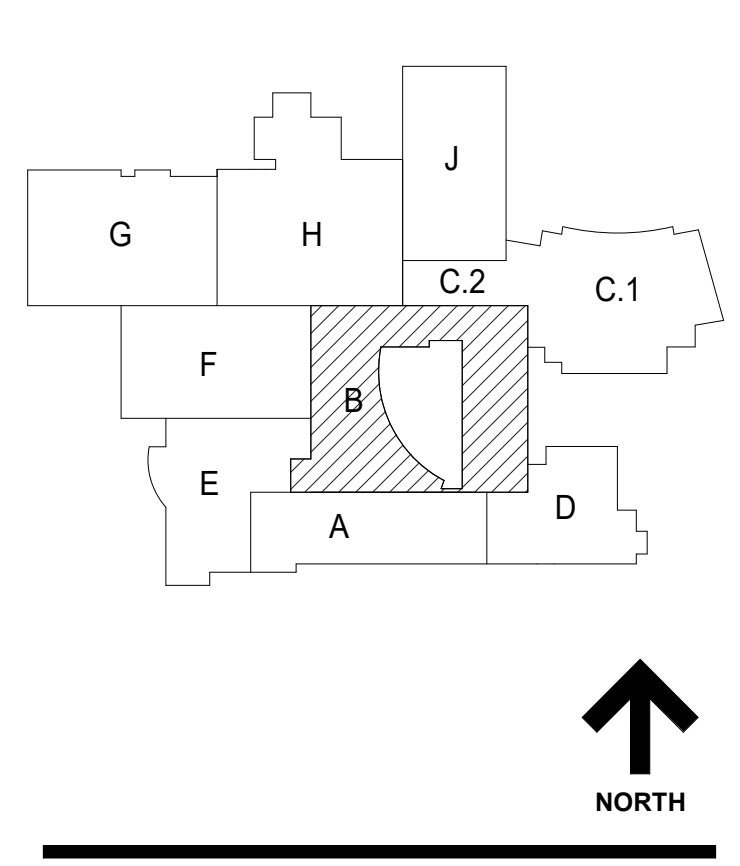
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SCALE: 1/8" = 1'-0"

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- KEY NOTES**
- EXISTING PLUMBING PIPING, FIXTURES, EQUIPMENT, ETC. TO REMAIN
  - 8" ODS DN IN CHASE TO FLOOR BELOW.
  - 8" ODS DN IN CHASE TO FLOOR BELOW.
  - 4" ODS UP TO ORD-1.
  - 4" ODS UP TO RD-1.
  - 6" ODS UP TO ORD-1.
  - 6" ODS UP TO RD-1.
  - 8" ODS DN IN CHASE TO FLOOR BELOW.
  - EXISTING ROOF DRAIN TO REMAIN. NEW 8" ODS & NEW 6" ODS TO CONNECT TO EXISTING ROOF DRAINS AND ROUTED TO NEW 6" ODS RISER.
  - 6" ODS DN IN CHASE TO FLOOR BELOW.

- GENERAL NOTES**
- REFER TO ACT SERIES DRAWINGS FOR IDENTIFICATION OF ACOUSTICALLY SENSITIVE PARTITIONS, WALLS, AND DETAILS OF PENETRATIONS THROUGH THESE WALLS.
  - REFER TO SPECIFICATION SECTION 071000 FOR ACOUSTICAL SEALANT REQUIREMENTS FOR PENETRATIONS OF ACOUSTICALLY SENSITIVE AND ACOUSTICALLY CRITICAL WALLS AND PARTITIONS.
  - REFER TO SPECIFICATION SECTION 220719 FOR PIPE LAGGING REQUIREMENTS FOR PLUMBING PIPING.



**1** SANITARY & DRAINAGE FLOOR PLAN - LEVEL 3 AREA B  
 SCALE: 1/8" = 1'-0"

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41	ISSUED FOR ADDENDUM 4 - BGS	12.10.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
	ISSUED FOR 80% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 50% CD - PHASE C	10.02.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
	ISSUED FOR 100% DD	07.12.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - SOUTH**  
 1436 NORFOLK STREET  
 DOWNERS GROVE, IL 60516  
**SANITARY & DRAINAGE FLOOR PLAN - LEVEL 3 AREA B**

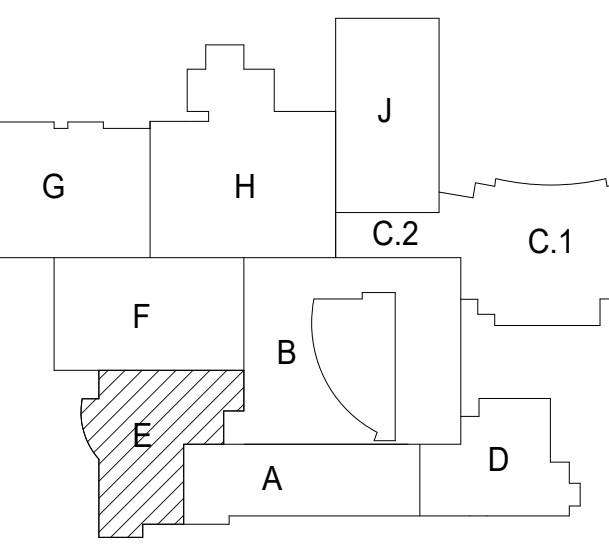
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 5274-42  
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 Sheet:  
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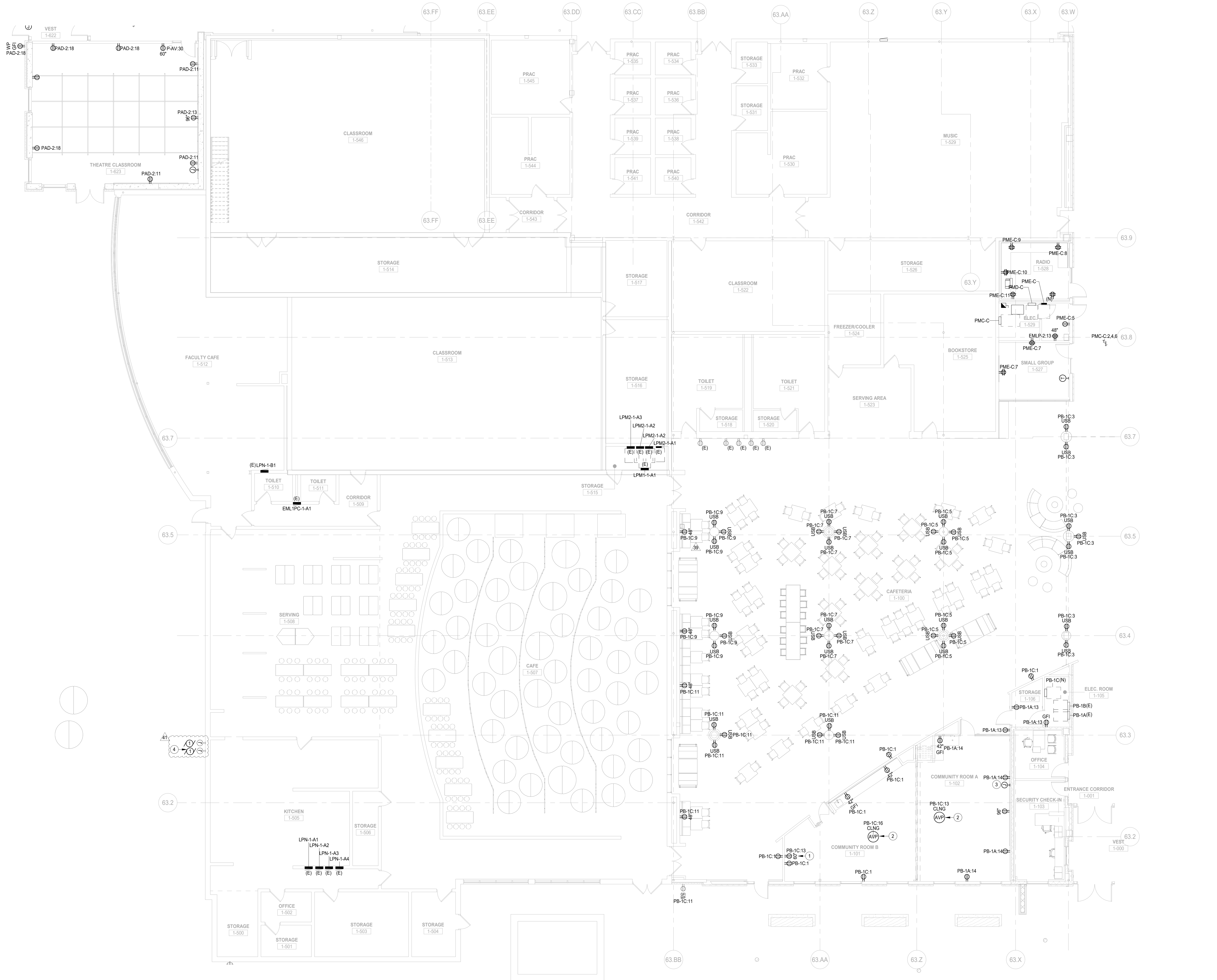
NORTH

GENERAL NOTES

1. THESE NOTES APPLICABLE TO ALL POWER PLANS
2. THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 3/4" 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO END OF THE LINE RECEPTACLES ONLY.
3. ALL POWER BRANCH CIRCUITS SHALL TERMINATE AT 200A 1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES, AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THE FIRE ALARM, PAGING, SECURITY, AUDIOVISUAL, VOICE, AND DATA CABLING. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALLS, FLOORS, AND CEILINGS.
5. BACKBOXES ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK.
6. CIRCUIT NUMBERS, WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
7. UNLESS INDICATED OTHERWISE, ALL MATERIALS REQUIRED TO PROVIDE BRANCH CIRCUITS AND FEEDERS ARE TO BE NEW.
8. REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT INFORMATION.
9. ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO WIREMOLDS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE.
10. VERIFY RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT TO ENSURE PROPER ACCESSIBILITY.
11. LOW VOLTAGE WIRING SHALL NOT BE ON TOP OF CEILING GRID SYSTEM. WIRING SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 3 FEET BY UTILIZING J-HOOKS SUPPORTED BY STRUCTURAL MEMBERS. WIRING SHALL BE ROUTED PARALLEL, OR PERPENDICULAR, TO STRUCTURAL MEMBERS.
12. PROVIDE PULL BOXES BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 348.26 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (90 DEGREE TOTAL) BETWEEN PULL POINTS.
13. SPECIAL ATTENTION SHALL BE PAID TO ALL CONDUIT ROUTING IN OPEN CEILING SPACE FOR AESTHETIC PURPOSES. ALL EXPOSED CONDUITS SHALL BE ROUTED PERPENDICULAR AND PARALLEL, TO BUILDING LINES AND TIGHT TO CEILING/STRUCTURAL CORNERS. WHERE THIS IS NOT FEASIBLE, SUBMIT CONDUIT ROUTING PLAN TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
14. CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TIES ARE ACCEPTABLE WHEN BREAKERS ARE "SLASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM. WHEN HANDLE TIES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS, PROVIDE A DEDICATED NEUTRAL FOR EACH UNGROUNDED CONDUCTOR.
15. ALL DEMOLITION OF THE ELECTRICAL SYSTEM AS NOTED FOR ON THE DEMOLITION DRAWINGS SHALL BE COORDINATED WITH THE RENOVATION REQUIREMENTS TO DETERMINE THIS CONTRACTOR'S WORK.
16. IT IS THE INTENT OF THE ELECTRICAL DEMOLITION DRAWINGS TO INDICATE DEVICES, ETC. NEED TO BE REMOVED, RELOCATED, OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION PLAN IS FOR REFERENCE PURPOSES ONLY AND IT IS NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS.
17. THE CONTRACTOR SHALL VISIT THE BUILDING, BEFORE SUBMITTING HIS BID, TO VERIFY THE EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE ELECTRICAL DEMOLITION REQUIRE DTD ACCOMMODATE THE RENOVATION. REMOVE AS REQUIRED ALL LIGHTING FIXTURES, RECEPTACLES, EQUIPMENT, ETC. PULL OUT ALL UNUSED CONDUCTORS AND CABLES. REMOVE ALL ABANDONED CONDUIT. ELECTRICALLY DISCONNECT AIR HANDLING UNITS, ELECTRICAL WATER HEATERS, AND EQUIPMENT FOR REMOVAL BY OTHERS. ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
19. REFER TO THE MECHANICAL AND PLUMBING DEMOLITION DRAWINGS FOR ALL MECHANICAL EQUIPMENT THAT IS TO BE ELECTRICALLY DISCONNECTED OR REMOVED.
20. THIS CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL DOWN STREAM ELECTRICAL DEVICES AFFECTED BY THE DEMOLITION SHALL BE IN FULL OPERATION AFTER WORK IS COMPLETE.
21. THE OWNER SHALL HAVE FULL SALVAGE RIGHTS OVER ANY ELECTRICAL DEVICES THAT ARE SCHEDULED TO BE DEMOLISHED. COORDINATE IN FIELD WITH OWNER.
22. TO CONTROL ALL THE SINGLE PHASE PANS AND PUMP PROVIDE MANUAL MOTOR STARTER THERMAL OVERLOAD SWITCH AND 120V 20AMP. CONTROL RELAY/CONTACTOR TO CONTROL PUMP/FAN (VERIFY CONTROL VOLTAGE WITH BUILDING AUTOMATION SYSTEM CONTRACTOR).
23. REFER TO AC1 SERIES DRAWINGS FOR IDENTIFICATION OF ACOUSTICALLY SENSITIVE PARTITIONS AND WALLS AND FOR DETAILS OF PENETRATIONS THROUGH THESE WALLS.
24. REFER TO SPECIFICATION SECTION 28555 FOR ELECTRICAL BOX PUTTY PAD REQUIREMENTS FOR ACOUSTICALLY CRITICAL AND ACOUSTICALLY SENSITIVE WALLS AND PARTITIONS AS DEFINED IN THE AC1 SERIES DRAWINGS.

KEYNOTES

1. POWER FOR TV SCREEN, REFER TO AV DRAWINGS FOR MORE DETAILS.
2. POWER FOR PROJECTOR, REFER TO AV DRAWINGS FOR MORE DETAILS.
3. REFER TO AV DRAWINGS FOR MORE DETAILS.
4. THIS IS PART OF ALTERNATE BID- EXTEND POWER AND CONTROL CONNECTION TO THE NEW CONTROL PANEL AND SUMP PUMP ALONG WITH NEW CONDUITS. COORDINATE EXACT REQUIREMENTS WITH PLUMBING AND ARCHITECTURAL DRAWINGS PRIOR TO START. VERIFY THE EXACT IN THE FIELD.



1 FIRST FLOOR POWER PLAN AREA E  
SCALE: 1/8" = 1'-0"

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CONSTRUCTION**

41	ISSUED FOR ADDENDUM 4 - BGR	12.16.2019
39	ISSUED FOR ADDENDUM 3 - BGR	12.11.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
	ISSUED FOR 80% C/D - PHASE C	11.01.2019
	ISSUED FOR 75% C/D - PHASE C	10.14.2019
	ISSUED FOR 50% C/D - PHASE C	10.02.2019
	ISSUED FOR 25% C/D - PHASE C	08.30.2019
	ISSUED FOR 100% I/D	07.12.2019
REV	ISSUE	DATE

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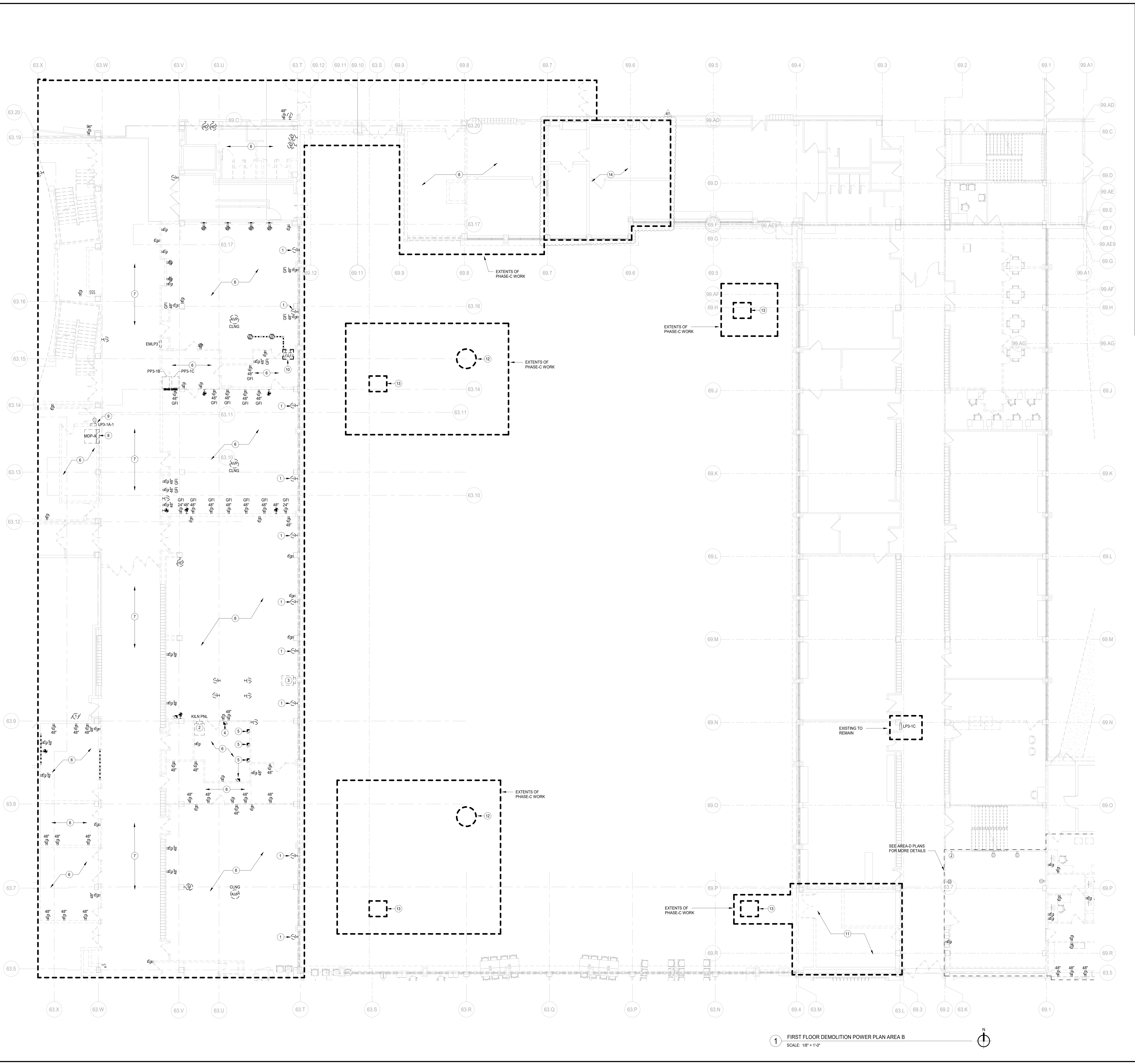
FIRST FLOOR POWER  
PLAN AREA E

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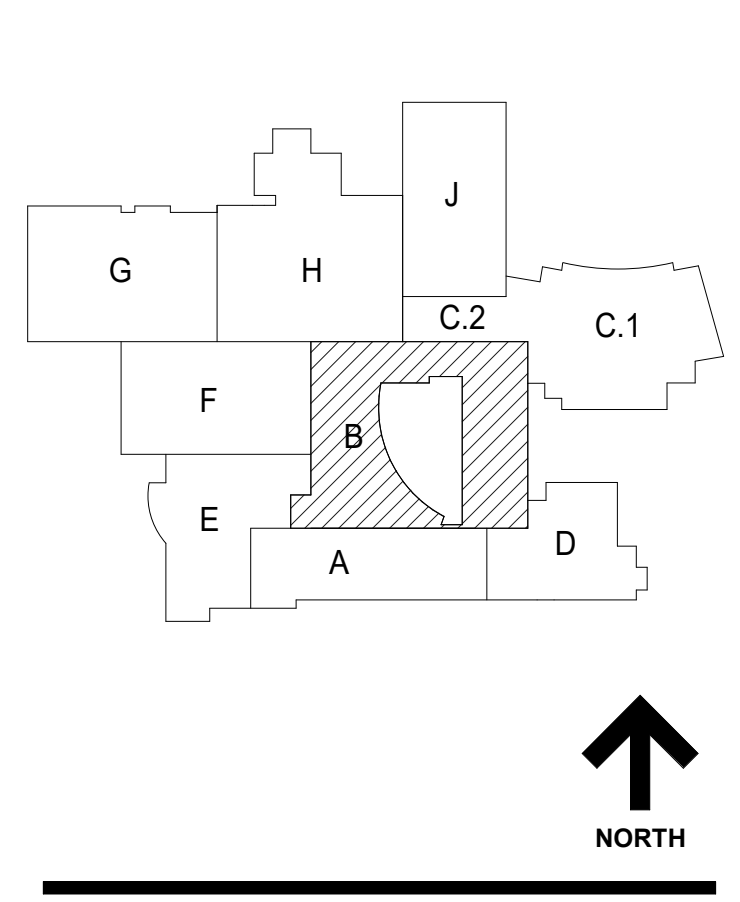
- GENERAL NOTES-DEMOLITION PLANS
- THESE NOTES ARE APPLICABLE TO ALL DEMOLITION PLANS.
  - SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
  - ALL INDICATED ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND RELATED CONDUIT AND WIRING TO BE REMOVED UNLESS NOTED OTHERWISE.
  - DEMOLITION OF THE ELECTRICAL SYSTEM AS NOTED ON THE DEMOLITION DRAWINGS SHALL BE COORDINATED WITH THE RENOVATION REQUIREMENTS TO DETERMINE THIS CONTRACTOR'S WORK.
  - IT IS THE INTENT OF THE ELECTRICAL DEMOLITION DRAWINGS TO INDICATE AREAS IN WHICH ELECTRICAL EQUIPMENT, CONDUIT, LIGHTING FIXTURES, DEVICES, ETC. NEED TO BE REMOVED, RELOCATED, OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION OF THIS PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION PLAN IS FOR REFERENCE PURPOSES ONLY AND IT IS NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS.
  - THIS CONTRACTOR SHALL VISIT THE BUILDING, BEFORE SUBMITTING HIS BID, TO VERIFY THE EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK.
  - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE ELECTRICAL DEMOLITION REQUIRED TO ACCOMMODATE THE RENOVATION. REMOVE AS REQUIRED ALL LIGHTING FIXTURES, RECEPTACLES, EQUIPMENT, DEVICES, ETC. PULL OUT ALL UNUSED CONDUCTORS AND CABLES AND REMOVE ALL ABANDONED CONDUIT. ELECTRICALLY DISCONNECT AIR HANDLING UNITS, ELECTRIC WATER HEATERS, AND OTHER SUCH EQUIPMENT FOR REMOVAL BY OTHER.
  - REFER TO MECHANICAL AND PLUMBING DEMOLITION DRAWINGS FOR ALL MECHANICAL EQUIPMENT THAT IS TO BE ELECTRICALLY DISCONNECTED OR REMOVED.
  - WHERE EXISTING CEILING IS TO BE REPLACED IN AREAS, EXISTING LIGHTING TO BE REMOVED AND REINSTALLED IN NEW CEILING WHERE AFFECTED BY NEW WORK.
  - DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUITS TO ANY EXISTING DEVICES TO REMAIN.
  - FURNISH AND INSTALL CONDUIT AND WIRING TO REMAIN AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES THE DEMOLITION AREA. EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION, MODIFY OR REPLACE AS REQUIRED.
  - DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW SWITCH CONFIGURATIONS.
  - DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACKBOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL.
  - FURNISH AND INSTALL CONDUITS AND WIRES AS REQUIRED FOR CONTINUITY OF CIRCUITS.
  - FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.
  - THE OWNER SHALL HAVE FULL SALVAGE RIGHTS OVER ANY ELECTRICAL DEVICES THAT ARE SCISSOR CUT TO BE DEMOLISHED. COORDINATE WITH OWNER REPRESENTATIVE. SELECTIVE SALVAGEABLE MATERIALS (SUCH AS GENERATOR, HEADERS AND EQUIPMENT, ETC.) SHALL BE TURNED OVER TO OWNER, DISPOSABLE AND AMONG OTHER GARBAGE MATERIALS SHALL BE REMOVED FROM SITE.
  - ALL EXISTING SECURITY EQUIPMENT SHOWN TO BE REMOVED SHALL BE REMOVED, PROTECTED FROM DAMAGE, AND TURNED OVER TO THE OWNER.
  - DEMOLITION CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREA OF DEMOLITION WORK; HOWEVER, INCIDENTAL ASSOCIATED WORK MAY NOT BE SHOWN BUT MAY BE REQUIRED TO COMPLETE NEW WORK. CONTRACTOR IS TO INCLUDE ALL DEMOLITION WORK NECESSARY TO INSTALL THE SCOPE OF THE NEW WORK.
- # KEYNOTES**
- DISCONNECT EXISTING UNIT VENTILATOR ELECTRICALLY. PULL BACK THE CIRCUIT ALONG WITH CABLES AND CONDUIT TO SOURCE AND IDENTIFY AS SPARE. TURN OFF THE CIRCUIT BREAKER.
  - DISCONNECT AND REMOVE EXISTING KILN PANEL. PULL BACK THE CIRCUIT TO THE SOURCE AND IDENTIFY AS SPARE. TURN OFF THE CIRCUIT BREAKER.
  - DISCONNECT AND REMOVE EXISTING PANEL. PULL BACK THE CIRCUITS TO THE SOURCE AND IDENTIFY AS SPARE. TURN OFF THE CIRCUIT BREAKER.
  - DISCONNECT EXISTING ELECTRICAL POWER CONNECTION TO THE COMPRESSOR UNIT. PULL BACK THE CIRCUITS TO SOURCE AND IDENTIFY AS SPARE. TURN OFF THE CIRCUIT BREAKER.
  - DISCONNECT EXISTING ELECTRICAL POWER CONNECTION TO THE KILNS. PULL BACK THE CIRCUITS TO SOURCE AND IDENTIFY AS SPARE. TURN OFF THE CIRCUIT BREAKER.
  - DISCONNECT EXISTING ELECTRICAL DEVICES AND EQUIPMENTS IN THE AREAS GETTING DEMOLISHED AS PART OF THIS PHASE. PULL BACK THE CIRCUITS TO SOURCE AND IDENTIFY AS SPARE. TURN OFF THE CIRCUIT BREAKERS AS REQUIRED. ANY CONDUIT PASSING THROUGH THIS AREA SERVING THE SPACES NOT GETTING DEMOLISHED NEED TO REMAIN. COORDINATE THE DEMOLITION WITH THE OWNER PRIOR TO START.
  - DISCONNECT EXISTING ELECTRICAL DEVICES AND EQUIPMENTS IN THE CORRIDOR WALLS GETTING DEMOLISHED AS PART OF THIS PHASE. ANY CIRCUITS FEEDING OTHER AREAS NOT PART OF THIS SCOPE SHALL REMAIN. VERIFY IN FIELD.
  - DISCONNECT AND REMOVE EXISTING DISTRIBUTION PANEL MDP-A. PULL BACK THE CIRCUITS ALONG WITH CABLES AND CONDUIT TO THE SOURCE AND IDENTIFY AS SPARE. ANY EXISTING LOADS FEED FROM MDP-A FEEDING AREAS EXTERIOR TO PHASE-C SCOPE OF WORK NEED TO BE RE FEED FROM NEW MDP-A PER NEW PLANS.
  - DISCONNECT AND REMOVE EXISTING FEED THRU PANEL. PULL CIRCUITS BACK TO THE SOURCE AND IDENTIFY AS SPARE. EXISTING CIRCUITS FROM THIS PANEL FEEDING AREAS EXTERIOR TO PHASE-C SHALL BE RE FEED FROM THE NEW PANEL PER NEW PLANS. VERIFY THE EXACT NUMBER OF CIRCUITS IN THE FIELD PRIOR TO START. EXISTING PANELS LPS-1A AND LPS-1A LOCATED ON LEVEL-2 AND LEVEL-3 NEED TO BE RE FEED PER NEW PLANS AND RISER.
  - DISCONNECT AND REMOVE EXISTING JUNCTION BOXES, CABLES, AND CONDUITS FEEDING EXISTING DISTRIBUTION PANEL MDP-A AND MDP-B. EXISTING DISTRIBUTION PANEL MDP-A NEED TO BE RE FEED FROM THE BASEMENT DISTRIBUTION PANEL PER NEW PLANS AND RISER.
  - DISCONNECT AND REMOVE ELECTRICAL EQUIPMENTS AND ELEVATOR MACHINERY IN THE AREA GETTING DEMOLISHED AS PART OF PHASE-C. PULL CABLES AND CONDUIT TO THE SOURCE AND IDENTIFY AS SPARE.
  - DEMOLISH EXISTING ELECTRICAL MANHOLE. PULL BACK THE ABANDONED CABLES TO THE SOURCE MANHOLE AND HANDOVER TO THE OWNER. REFER TO CIVIL AND ARCHITECTURAL DRAWINGS FOR SCOPE OF BACK FILLING BACK THE HOLE.
  - DEMOLISH EXISTING ABANDONED ELECTRICAL PADS AND REMOVE EXISTING CABLES.
  - COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT EXTENTS OF DEMOLITION IN THIS SPACE. REMOVE EXISTING ELECTRICAL DEVICES IN THE AREA, AND PROVIDE NEW PER NEW PLANS. ANY ELECTRICAL CONDUITS FEEDING SPACES OTHER THAN IN THIS PHASE NEED TO REMAIN. VERIFY THE EXACT IN THE FIELD PRIOR TO START.

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**1 FIRST FLOOR DEMOLITION POWER PLAN AREA B**  
 SCALE: 1/8" = 1'-0"

**NOT FOR CONSTRUCTION**

41 ISSUED FOR ADDENDUM 4 - BGS 12.16.2019  
 ISSUED FOR BID GROUP 8 - PHASE C 11.20.2019  
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**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**FIRST FLOOR DEMOLITION POWER PLAN AREA B**

Project Number:  
5274-42  
 Drawn By:  
 Author:  
 Sheet:

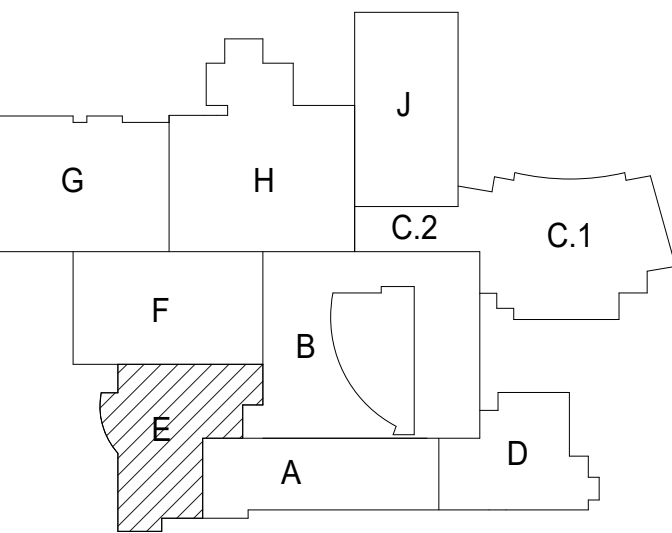
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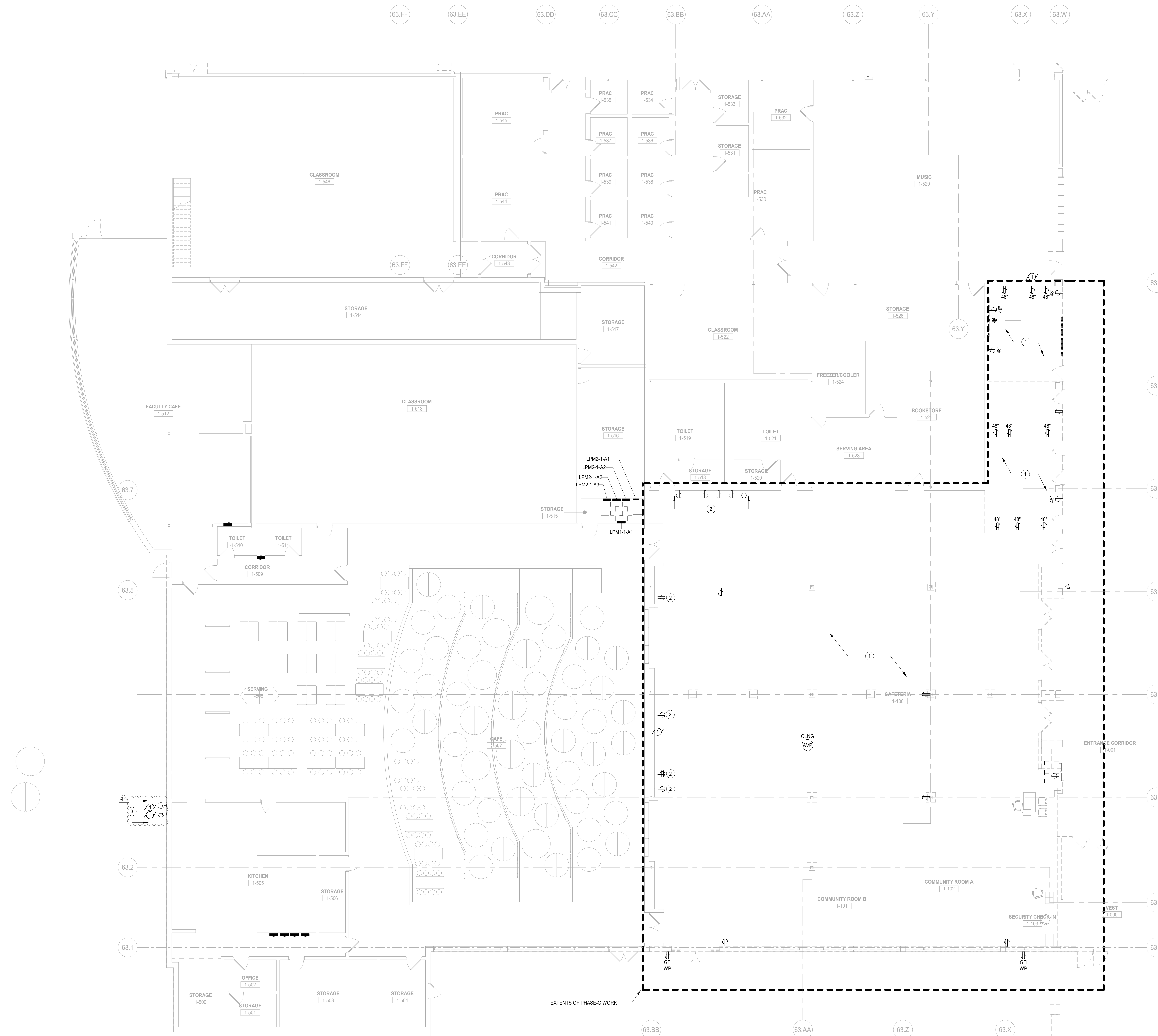


### GENERAL NOTES-DEMOLITION PLANS

1. THESE NOTES ARE APPLICABLE TO ALL DEMOLITION PLANS.
2. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
3. ALL INDICATED ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND RELATED CONDUIT AND WIRING TO BE REMOVED UNLESS NOTED OTHERWISE.
4. DEMOLITION OF THE ELECTRICAL SYSTEM AS NOTED ON THE DEMOLITION DRAWINGS SHALL BE COORDINATED WITH THE RENOVATION REQUIREMENTS TO DETERMINE THIS CONTRACTOR'S WORK.
5. IT IS THE INTENT OF THE ELECTRICAL DEMOLITION DRAWINGS TO INDICATE AREAS IN WHICH ELECTRICAL EQUIPMENT, CONDUIT, LIGHTING FIXTURES, DEVICES, ETC. NEED TO BE REMOVED, RELOCATED, OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION PLAN IS FOR REFERENCE PURPOSES ONLY AND IT IS NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS.
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8. REFER TO MECHANICAL AND PLUMBING DEMOLITION DRAWINGS FOR ALL MECHANICAL EQUIPMENT THAT IS TO BE ELECTRICALLY DISCONNECTED OR REMOVED.
9. WHERE EXISTING CEILING IS TO BE REPLACED IN AREAS, EXISTING LIGHTING TO BE REMOVED. OTHER CEILING MOUNTED ELECTRICAL DEVICES TO BE REMOVED AND REINSTALLED IN NEW CEILING WHERE AFFECTED BY NEW WORK.
10. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUITS TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.
11. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
12. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
13. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACKBOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL.
14. FURNISH AND INSTALL CONDUITS AND WIRES AS REQUIRED FOR CONTINUITY OF CIRCUITS(S).
15. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.
16. THE OWNER SHALL HAVE FULL SALVAGE RIGHTS OVER ANY ELECTRICAL DEVICES THAT ARE SCHEDULED TO BE DEMOLISHED. COORDINATE WITH OWNER REPRESENTATIVE. SELECTIVE SALVAGEABLE MATERIALS (SUCH AS GENERATOR, HEADEND EQUIPMENT, LIGHT FIXTURES, ETC.) SHALL BE TURNED OVER TO OWNER, DISPOSABLE AND AMONG OTHER GARBAGE MATERIALS SHALL BE REMOVED FROM SITE.
17. ALL EXISTING SECURITY EQUIPMENT SHOWN TO BE REMOVED SHALL BE REMOVED, PROTECTED FROM DAMAGE, AND TURNED OVER TO THE OWNER.
18. DEMOLITION CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF DEMOLITION WORK; HOWEVER, INCIDENTAL ASSOCIATED WORK MAY NOT BE SHOWN BUT MAY BE REQUIRED TO COMPLETE NEW WORK. CONTRACTOR IS TO INCLUDE ALL DEMOLITION WORK NECESSARY TO INSTALL THE SCOPE OF THE NEW WORK.

### KEYNOTES

1. DISCONNECT AND REMOVE ALL THE ELECTRICAL EQUIPMENTS AND DEVICES IN THE AREA GETTING DEMOL AS PART OF PHASE C UNLESS NOTED OTHERWISE. PULL CIRCUITS BACK TO THE SOURCE AND IDENTIFY AS SPARE. TURN OFF THE CIRCUIT BREAKER. ANY CIRCUITS FEEDING AREAS OTHER THAN IN PHASE C SHALL REMAIN. VERIFY IN FIELD.
2. EXISTING ELECTRICAL DEVICES TO REMAIN.
3. THIS IS PART OF ALTERNATE BID. DISCONNECT AND REMOVE EXISTING ELECTRICAL POWER AND CONTROL CONNECTIONS TO THE SLURP PUMP AND CONTROLLER AND PULL BACK TO JUNCTION BOX AND PREP FOR NEW POWER CONNECTION IN THE SAME LOCATION. VERIFY THE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING AND ARCHITECTURAL DRAWINGS PRIOR TO START.



1 FIRST FLOOR DEMOLITION POWER PLAN AREA E  
SCALE: 1/8" = 1'-0"



**NOT FOR  
CONSTRUCTION**

41	ISSUED FOR ADDENDUM 4 - B/C	12.16.2019
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	ISSUED FOR 80% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 50% CD - PHASE C	10.02.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
	ISSUED FOR 100% DD	07.12.2019
REV	ISSUE	DATE

**MFP  
IMPLEMENTATION -  
SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**FIRST FLOOR  
DEMOLITION POWER  
PLAN AREA E**

Project Number:  
5274-42  
Drawn By:  
Author  
Sheet:

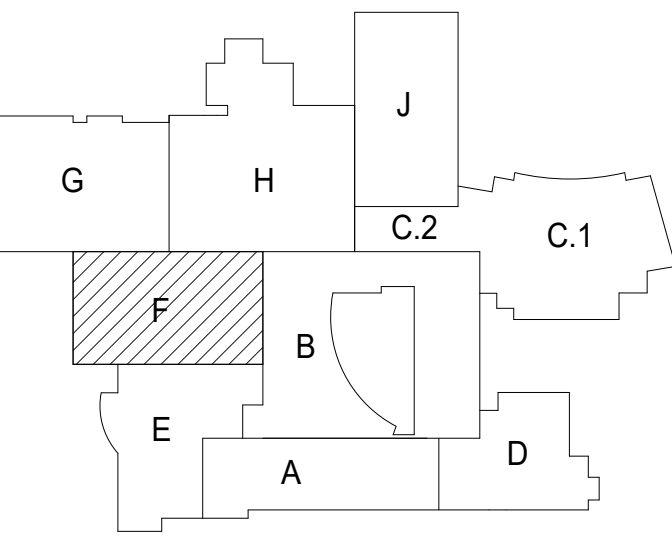
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CONSTRUCTION**

41	ISSUED FOR ADDENDUM 4 - BGR	12.16.2019
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	ISSUED FOR 100% DD	07.12.2019
REV	ISSUE	DATE

**MFP  
IMPLEMENTATION -  
SOUTH**

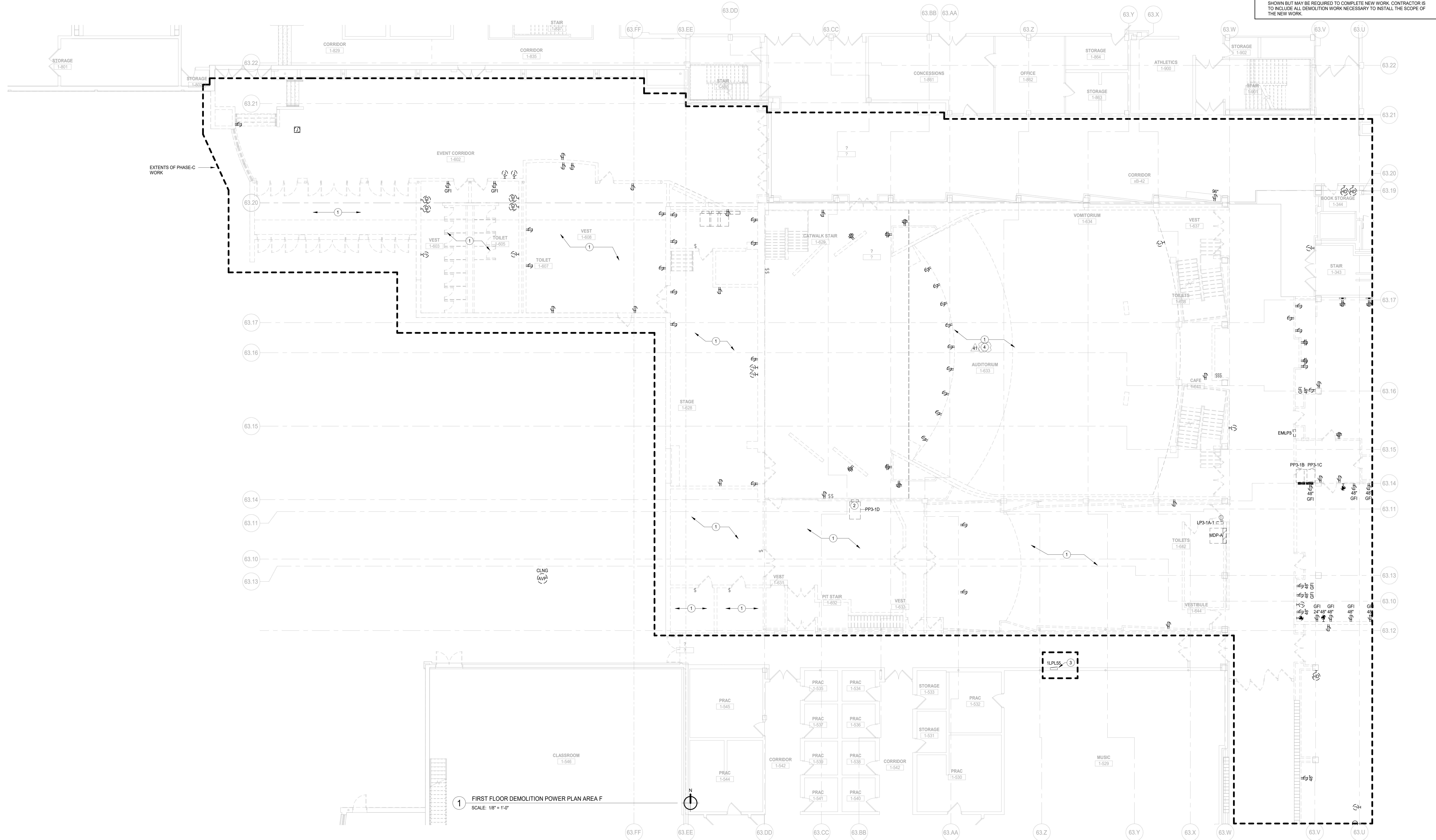
1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**FIRST FLOOR  
DEMOLITION POWER  
PLAN AREA F**

Project Number:  
5274-42  
Drawn By:  
Author  
Sheet

**ED3.01Fc**

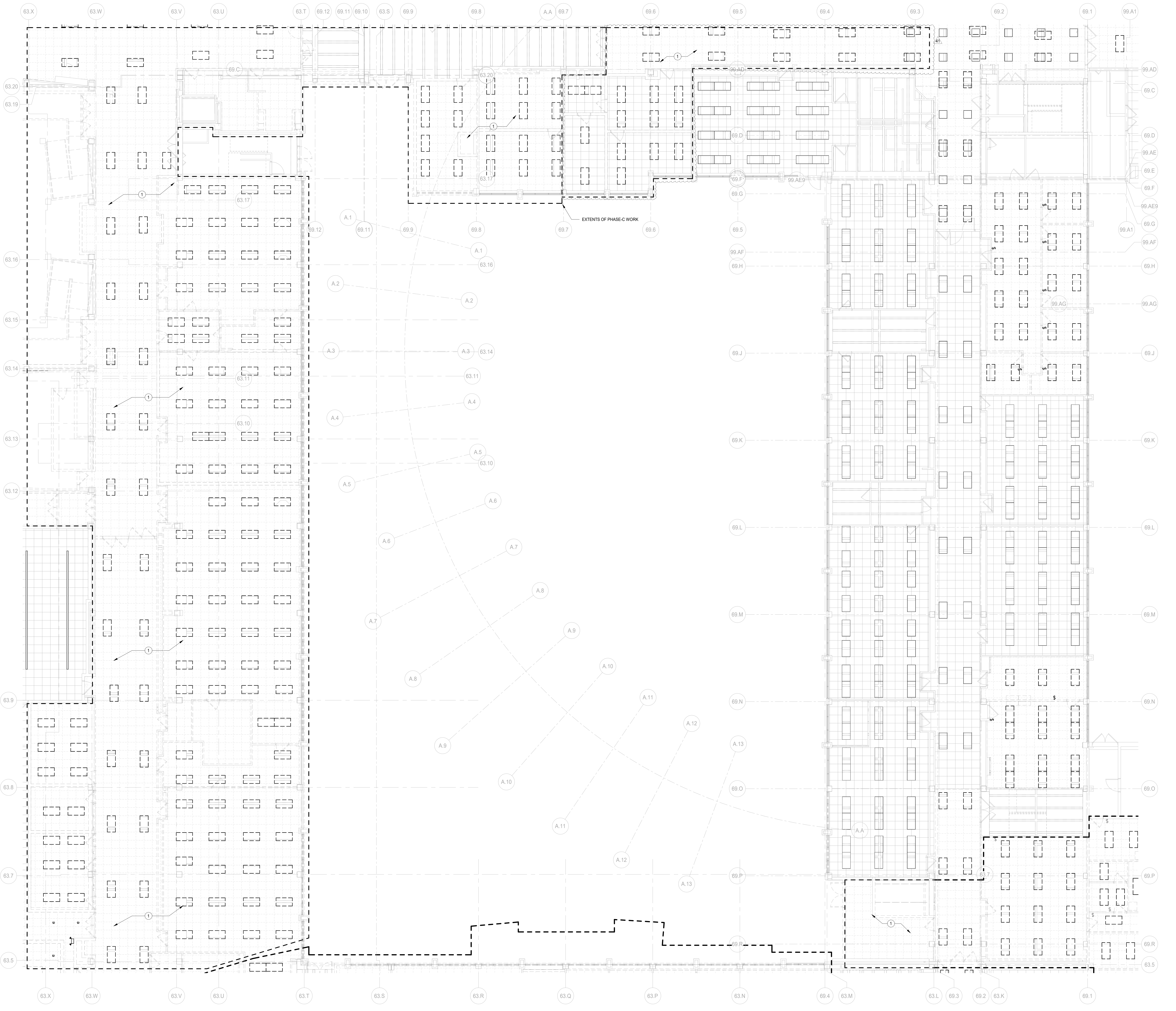
#	KEYNOTES	GENERAL NOTES-DEMOLITION PLANS
1	DISCONNECT EXISTING ELECTRICAL DEVICES AND EQUIPMENTS IN THE AREAS GETTING DEMOLISHED AS PART OF THIS PHASE. PULL BACK THE CIRCUITS TO SOURCE AND IDENTIFY AS SPARE. TURN OFF THE CIRCUIT BREAKERS AS REQUIRED. ANY CONDUIT PASSING THROUGH THIS AREA SERVING THE SPACES NOT GETTING DEMOLISHED NEED TO REMAIN. COORDINATE THE DEMOLITION WITH THE OWNER PRIOR TO START.	1. THESE NOTES ARE APPLICABLE TO ALL DEMOLITION PLANS. 2. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF CONSTRUCTION. 3. ALL INDICATED ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND RELATED DEVICES, ETC. NEED TO BE REMOVED, RELOCATED, OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION PLAN IS FOR REFERENCE PURPOSES ONLY AND IT IS INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS. 4. THIS CONTRACTOR SHALL VISIT THE BUILDING, BEFORE SUBMITTING HIS BID, TO VERIFY THE EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK. 5. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE ELECTRICAL DEMOLITION REQUIRED TO ACCOMMODATE THE RENOVATION. REMOVE AS REQUIRED ALL LIGHTING FIXTURES, RECEPTACLES, EQUIPMENT, DEVICES, ETC. PULL OUT ALL UNUSED CONDUCTORS AND CABLES AND REMOVE ALL ABANDONED CONDUIT. ELECTRICALLY DISCONNECT AIR HANDLING UNITS, ELECTRIC WATER HEATERS, AND OTHER SUCH EQUIPMENT FOR REMOVAL BY OTHERS. 6. REFER TO MECHANICAL AND PLUMBING DEMOLITION DRAWINGS FOR ALL MECHANICAL EQUIPMENT THAT IS TO BE ELECTRICALLY DISCONNECTED OR REMOVED. 7. WHERE EXISTING CEILING IS TO BE REPLACED IN AREAS, EXISTING LIGHTING TO BE REMOVED AND REINSTALLED IN NEW CEILING WHERE AFFECTED BY NEW WORK. 8. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUITS TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA. 9. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED. 10. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS. 11. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. 12. FURNISH AND INSTALL CONDUITS AND WIRES AS REQUIRED FOR CONTINUITY OF CIRCUITS. 13. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS. 14. THE OWNER SHALL HAVE FULL SALVAGE RIGHTS OVER ANY ELECTRICAL DEVICES THAT ARE SCHEDULED TO BE DEMOLISHED. COORDINATE WITH OWNER REPRESENTATIVE. SELECTIVE SALVAGEABLE MATERIALS (SUCH AS GENERATOR, HEATING EQUIPMENT, LIGHT FIXTURES, ETC.) SHALL BE TURNED OVER TO OWNER. DISPOSABLE AND AMONG OTHER GARBAGE MATERIALS SHALL BE REMOVED FROM SITE. 15. ALL EXISTING SECURITY EQUIPMENT SHOWN TO BE REMOVED SHALL BE REMOVED, PROTECTED FROM DAMAGE, AND TURNED OVER TO THE OWNER. 16. DEMOLITION CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF DEMOLITION WORK. HOWEVER, INCIDENTAL ASSOCIATED WORK MAY NOT BE SHOWN BUT MAY BE REQUIRED TO COMPLETE NEW WORK. CONTRACTOR IS TO INCLUDE ALL DEMOLITION WORK NECESSARY TO INSTALL THE SCOPE OF THE NEW WORK.
2	DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL PPS-1D. PULL CABLES AND CONDUITS TO THE SOURCE AND IDENTIFY AS SPARE.	
3	EXISTING PANEL TO REMAIN AND REFEED PER RISER.	
4	THIS KEYNOTE IS SPECIFIC TO AUDITORIUM EQUIPMENT RELAY PANEL AND OTHER AUDITORIUM EQUIPMENTS. DISCONNECT AND PRESERVE EXISTING AUDITORIUM PANELS AND EQUIPMENTS PACKAGE, AND HANDOVER TO THE DOWNERS GROVE NORTH HIGH SCHOOL. COORDINATE THE DISCONNECT OF THE EXISTING AUDITORIUM EQUIPMENTS WITH THEATRE CONSULTANT AND ARCHITECT PRIOR TO START. THIS NOTE IS APPLICABLE TO ALL THE LEVELS OF AUDITORIUM.	



**1 FIRST FLOOR DEMOLITION POWER PLAN AREA F**  
SCALE: 1/8" = 1'-0"

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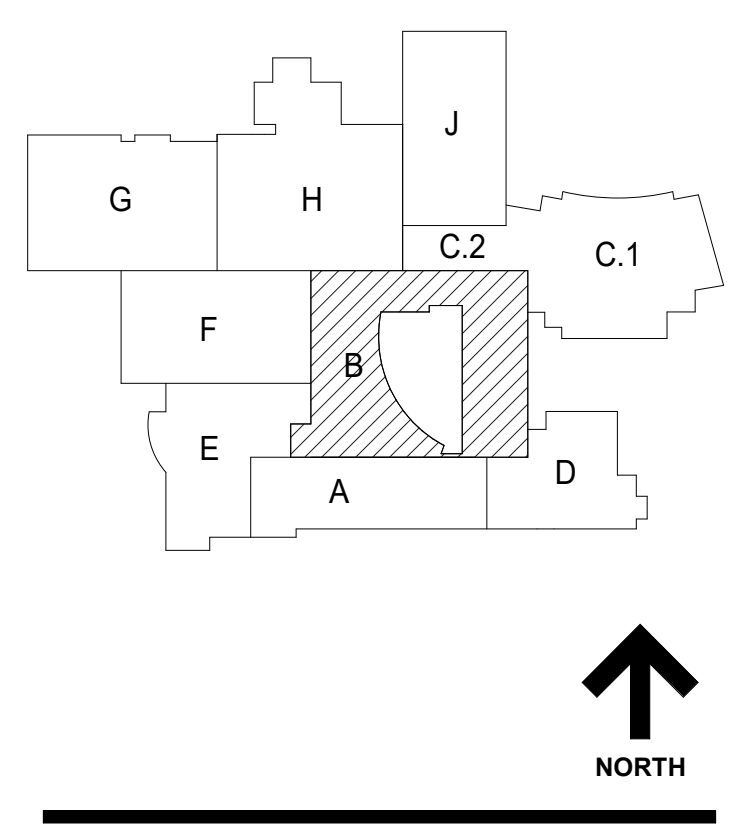
12/15/2019 11:27:10 AM  
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- # KEYNOTES**
1. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES ALONG WITH CONTROLS, CABLES AND CONDUITS. PULL CIRCUITS TO THE SOURCE AND IDENTIFY AS SHOWN. TURN OFF THE CIRCUIT BREAKER. LIGHT FIXTURES BEYOND SCOPE OF PHASE-C WORK TO REMAIN. COORDINATE THE DEMOLITION WITH THE ARCHITECT AND OWNER PRIOR TO START.

  
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NOT FOR  
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1436 NORFOLK STREET  
 DOWNERS GROVE, IL 60516

**FIRST FLOOR  
 DEMOLITION LIGHTING  
 PLAN AREA B**

Project Number:  
 5274-42  
 Drawn By:  
 Author  
 Sheet

**ED4.01Bc**

**1 FIRST FLOOR DEMOLITION LIGHTING PLAN AREA B**  
 SCALE: 1/8" = 1'-0"

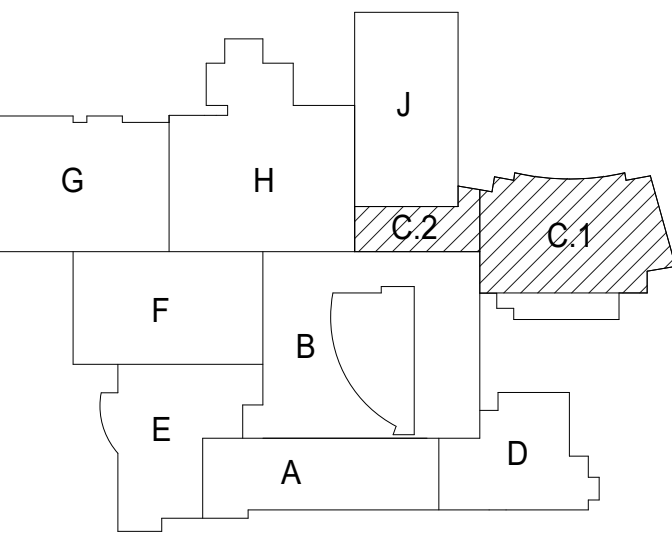




COMMUNITY HIGH SCHOOL  
DISTRICT 99

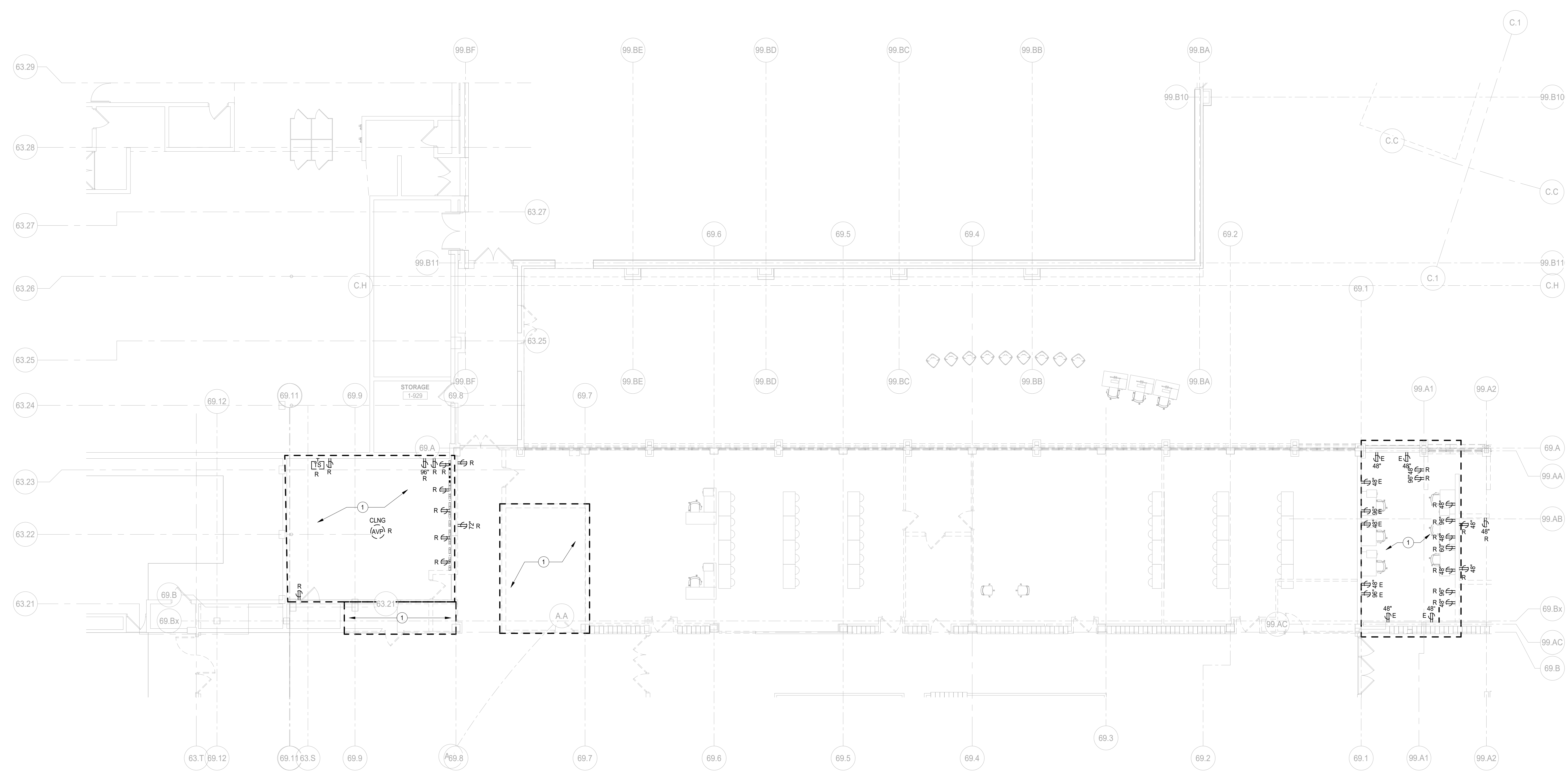


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**NOT FOR  
CONSTRUCTION**

DEMOLITION LEGENDS	GENERAL NOTES-DEMOLITION PLANS
E - EXISTING TO REMAIN	1. THESE NOTES ARE APPLICABLE TO ALL DEMOLITION PLANS.
N - NEW	2. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF CONSTRUCTION.
R- EXISTING TO BE REMOVED	3. ALL INDICATED ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND RELATED CONDUIT AND WIRING TO BE REMOVED UNLESS NOTED OTHERWISE.
RE- EXISTING TO BE RELOCATED TO A NEW LOCATION	4. DEMOLITION OF THE ELECTRICAL SYSTEM AS NOTED ON THE DEMOLITION DRAWINGS, SHALL BE COORDINATED WITH THE RENOVATION REQUIREMENTS TO DETERMINE THIS CONTRACTOR'S WORK.
	5. IT IS THE INTENT OF THE ELECTRICAL DEMOLITION DRAWING(S) TO INDICATE AREAS IN WHICH ELECTRICAL EQUIPMENT, CONDUIT, LIGHTING FIXTURES, DEVICES, ETC. NEED TO BE REMOVED, RELOCATED, OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION PLAN IS FOR REFERENCE PURPOSES ONLY AND IT IS NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS.
	6. THIS CONTRACTOR SHALL VISIT THE BUILDING, BEFORE SUBMITTING HIS BID, TO VERIFY THE EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK.
	7. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE ELECTRICAL DEMOLITION REQUIRED TO ACCOMMODATE THE RENOVATION. REMOVE AS REQUIRED ALL LIGHTING FIXTURES, RECEPTACLES, EQUIPMENT, DEVICES, ETC. PULL OUT ALL UNUSED CONDUCTORS AND CABLES AND REMOVE ALL ABANDONED CONDUIT. ELECTRICALLY DISCONNECT AIR HANDLING UNITS, ELECTRIC WATER HEATERS, AND OTHER SUCH EQUIPMENT FOR REMOVAL BY OTHERS.
	8. REFER TO MECHANICAL AND PLUMBING DEMOLITION DRAWINGS FOR ALL MECHANICAL EQUIPMENT THAT IS TO BE ELECTRICALLY DISCONNECTED OR REMOVED.
	9. WHERE EXISTING CEILING(S) TO BE REPLACED IN AREAS, EXISTING LIGHTING TO BE REMOVED AND REINSTALLED IN NEW CEILING WHERE AFFECTED BY NEW WORK.
	10. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUITS. TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.
	11. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
	12. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
	13. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL.
	14. FURNISH AND INSTALL CONDUITS AND WIRES AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).
	15. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.
	16. THE OWNER SHALL HAVE FULL SALVAGE RIGHTS OVER ANY ELECTRICAL DEVICES THAT ARE SCHEDULED TO BE DEMOLISHED. COORDINATE WITH OWNER REPRESENTATIVE. SELECTIVE SALVAGEABLE MATERIALS (SUCH AS GENERATOR, HEADEND EQUIPMENT, LIGHT FIXTURES, ETC.) SHALL BE TURNED OVER TO OWNER. DISPOSABLE AND AMONG OTHER GARBAGE MATERIALS SHALL BE REMOVED FROM SITE.
	17. ALL EXISTING SECURITY EQUIPMENT SHOWN TO BE REMOVED SHALL BE REMOVED, PROTECTED FROM DAMAGE, AND TURNED OVER TO THE OWNER.
	18. DEMOLITION CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF DEMOLITION WORK. HOWEVER, INCIDENTAL ASSOCIATED WORK MAY NOT BE SHOWN BUT MAY BE REQUIRED TO COMPLETE NEW WORK. CONTRACTOR IS TO INCLUDE ALL DEMOLITION WORK NECESSARY TO INSTALL THE SCOPE OF THE NEW WORK.
#	<b>KEYNOTES</b>
1	DISCONNECT AND REMOVE EXISTING ELECTRICAL POWER DEVICES, LIGHTING FIXTURES, AND LIGHTING CONTROLS IN THE AREAS GETTING DEMOLISHED. PULL BACK THE CIRCUITS BACK TO THE SOURCE AND IDENTIFY AS SPARE. COORDINATE EXACT EXTENTS OF DEMOLITION WITH ARCHITECT'S DRAWINGS PRIOR TO START.



1 FIRST FLOOR DEMOLITION POWER AND LIGHTING PLAN AREA C  
SCALE: 1/8" = 1'-0"

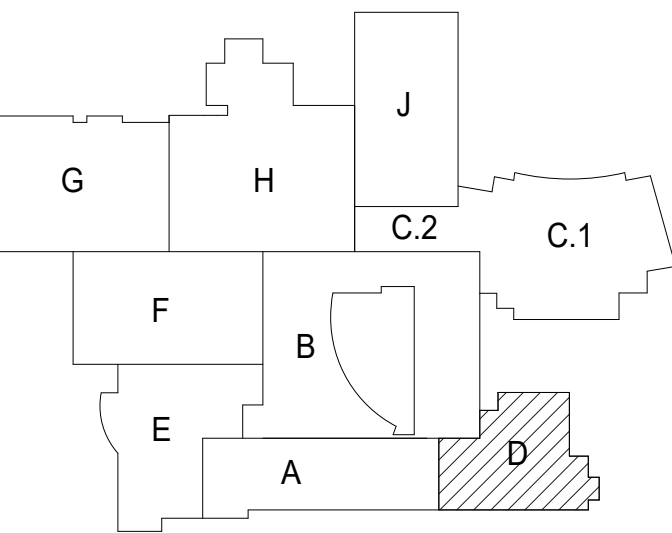
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COMMUNITY HIGH SCHOOL  
DISTRICT 99



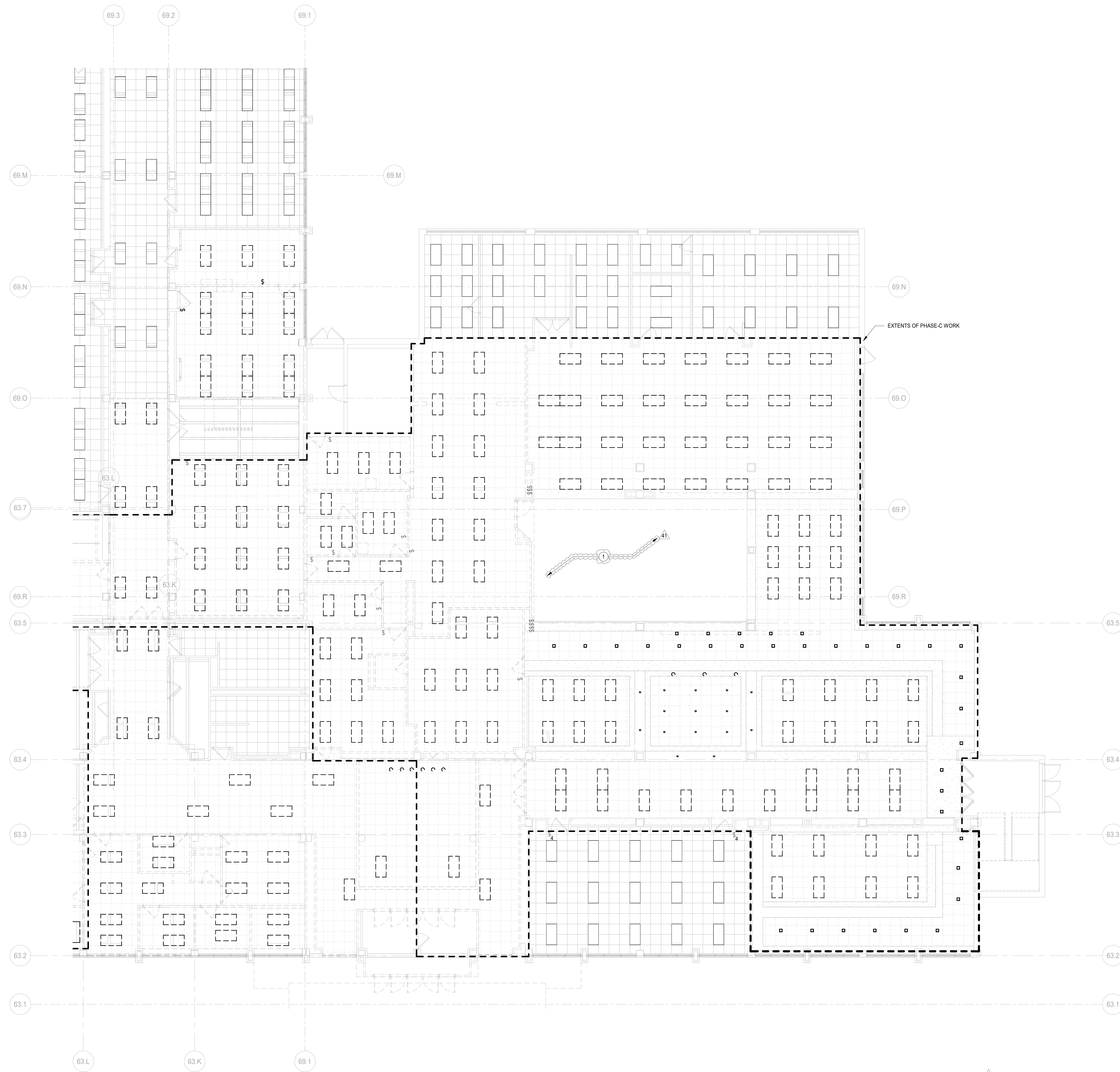
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GENERAL NOTES-DEMOLITION PLANS

1. THESE NOTES ARE APPLICABLE TO ALL DEMOLITION PLANS.
2. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
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41. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES ALONG WITH CONTROLS, CABLES AND CONDUITS. PULL CIRCUITS TO THE SOURCE AND IDENTIFY AS SOURCE. TURN OFF THE CIRCUIT BREAKER. LIGHT FIXTURES BEYOND SCOPE OF PHASE C WORK TO REMAIN. COORDINATE THE DEMOLITION WITH THE ARCHITECT AND OWNER PRIOR TO START.



1 FIRST FLOOR DEMOLITION LIGHTING PLAN AREA D  
SCALE: 1/8" = 1'-0"

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**NOT FOR  
CONSTRUCTION**

41	ISSUED FOR ADDENDUM 4 - BGR	12.10.2019
	ISSUED FOR BID GROUP 8 - PHASE C	11.20.2019
	ISSUED FOR 80% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 50% CD - PHASE C	10.02.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
	ISSUED FOR 100% DD	07.12.2019
REV	ISSUE	DATE

**MFP  
IMPLEMENTATION -  
SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**FIRST FLOOR  
DEMOLITION LIGHTING  
PLAN AREA D**

Project Number:  
5274-42  
Drawn By:  
Author  
Sheet:

**ED4.01Dc**



DATE: December 16, 2019

FROM: Wight & Company  
2500 N. Frontage Road  
Darien, IL 60561

SUBJECT: ADDENDUM #4 TO THE BIDDING DOCUMENTS FOR:  
**BID GROUP #8**  
**MASTER FACILITY PLAN IMPLEMENTATION**  
**COMMUNITY HIGH SCHOOL DISTRICT 99**  
**1436 NORFOLK STREET**  
**DOWNERS GROVE, IL 60516**

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This addendum forms a part of the Bidding Contract Documents, dated November 20, 2019. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form. Drawing revisions clouded and tagged throughout with delta 41.

## SOUTH

### I. Clarifications

1. **CLARIFICATION:** *Voluntary alternates regarding precast concrete wall panel layout, insulation, etc. will be evaluated.*
2. **CLARIFICATION:** *All DS piping routed through the existing pipe tunnel will be part of the phase B contractor's scope. Bid Group 8 contractor to make final connection to piping in courtyard/addition areas. Refer to plumbing drawings included in this addendum for further information.*
3. **QUESTION:** The web members are called out to be double angles but the only note on the chords is that they are 8" wide minimum. Are there any limitations on what sections are used for the top & bottom chord? **ANSWER: Yes, the top and bottom chords shall be WT members. Trusses shall be designed for a maximum live load deflection of 2.75" at midspan. Net dead load deflection at midspan after camber shall not exceed 1". These will be issued as note revisions 1, 11 and 12 on addendum 4, scheduled for 12.16.19.**
4. **QUESTION:** The locations of the web members are just graphically shown on S4.4 but no dimensions are given. Do we have any limitations at to where we locate the diagonal & vertical web members? **ANSWER: The diagonal and vertical web members shall be located per truss elevations in terms of general layout and number of bays. Ductwork is passing through the trusses, so we do not want to alter the layout. See 2/A4.25 for reference.**
5. **QUESTION:** Do we have any limits on the number of vertical or diagonal web members we use as long as the truss meets design requirements?. **ANSWER: See above for limitations.**
6. **QUESTION:** The plan S2.5 shows 3 lines of cross bracing between the trusses but there are no locational dimensions given 2 of the locations of the cross bracing are graphically shown to be in between the 2 runs of W8 X 18 beams (the W8 X 18's are located by dim). Does the cross bracing need to be between the W8 X 18's or does it need to go where determined by our engineer? (e.g. typically it might be equally spaced ?) **ANSWER: The number of cross bridging lines, the size of the cross bridging and the locations may be determined by your**

**engineer. We only ask that the cross bridging avoid conflict with the current duct locations as indicated on 2/A4.25. Additionally, per structural drawings, cross bridging at end truss bays will need to be removed at the middle catwalk and the easternmost catwalk, per plan note 31 on S2.5C-F.**

7. **QUESTION:** There are now shear studs called out on the top flange of the beams spanning between the trusses. Truss notes call out the truss is NOT composite design & there are no studs shown on the top of the trusses. Just want to check again that the trusses do not have to be composite **ANSWER: Trusses shall be non-composite.**
8. **QUESTION:** Original bid drawing E3.01B-1c column line 63.7 corridor 1-003 and learning commons had a symbol with no markings. Addendum #2 issued 12-4-19 clouded them to remove. Addendum #3 issued 12-11-19 now has them shown on the columns. Is it the intent that addendum #3 insert them back on the columns **ANSWER: The fixtures on the columns are to be removed per Addendum #2**
9. **QUESTION:** On page PD1.10B.c the west side of the page going from the courtyard into the existing building is this basement or slab on grade? . **ANSWER: Slab-on-grade with the exception of a pipe tunnel running north – south. Please reference sheet A2.00 for pipe tunnel locations.**
10. **QUESTION:** DIRTT glass fronts and folding walls is not listed as an accepted manufacturer per the spec book. Would you consider using our proposal since we aren't listed as an accepted manufacturer (we are a DIRTT partner and only use DIRTT materials). **ANSWER: Alternate products will be considered with proper substitution request documentation illustrating compliance with the product performance. .**
11. **QUESTION:** Who is responsible for the graphics film applied to interior glass (VG-1)? Is there a spec for VG-1? **ANSWER: VG-1 spec will be included in future bid group. This scope of work is not responsibility of any Bid Package included in this bid group.**
12. **QUESTION:** Door #1120 is not shown on the door schedule **ANSWER: Door schedule on A8.12 was revised to include door 1120.**
13. **QUESTION:** Need information on transaction window, glazing and storefront framing on left side of 3/A7.17 **ANSWER: Refer to spec section 085653.**
14. **QUESTION:** Need glass type and frame info at 13/A7.17. **ANSWER: See specification section 081216 for interior glass partition. Provide glass type GL-20.**
15. **QUESTION:** Reference Library Vestibule 1-201: Doors 1201A, 1201B & 1201C are not on door schedule **ANSWER: Listed doors have been added to the door schedule.**
16. **QUESTION:** Storefront spec calls for painted finish and the curtain wall spec calls for class 1 clear anodized. Please clarify. **ANSWER: Provide clear anodized, typical.**
17. **QUESTION:** It appears that no PVC conduit will be allowed for under slab raceway which is going to drive costs up substantially based on the amount of AV conduit in the design. **ANSWER: PVC will be acceptable for under slab raceway, however minimum spacing requirements would be revised as such: Between AV signals of any type and common or convenience power - 36" MIN. Between AV services of differing types (e.g. between M and L, or between L and V/D) - 12" MIN.**
18. **QUESTION:** Will there be a future bid package for finishes such as acoustical ceiling, acoustical wall panels, tectum panels? Will this cover the acoustic panels per note 72 of the architectural drawings (A2.11F)? **ANSWER: The acoustical panels and other finishes not included in this bid group will be bid at a later date, including acoustic panels per A2.11F.**
19. **QUESTION:** Is the design of the "deep defusive acoustic panels" on A4.28, 3/A5.16, and A7.23 similar to the "reflective panels" on the ceiling? Will these panels be constructed under BP98 drywall per note 14 of the scope (built off-site and lifted into place)? **ANSWER: These are intended to be similar and can be constructed off-site and lifted into place.**
20. **QUESTION:** Reference detail 21/S1.4C: Is this just a typical detail or is it cut in a specific place? I could not locate on plan. Main question is that we are told to weld the L5 X 5 to the embed ¼" X 3" top & bottom but it does not tell

us the spacing. Please advise. **ANSWER: The typical details only apply where a custom section is not cut on plan for that type of condition. Given that we have cut a custom section at all of the slab-to-precast wall conditions, this detail no longer applies. Refer to non-typical sections and details for slab-to-precast concrete wall details.**

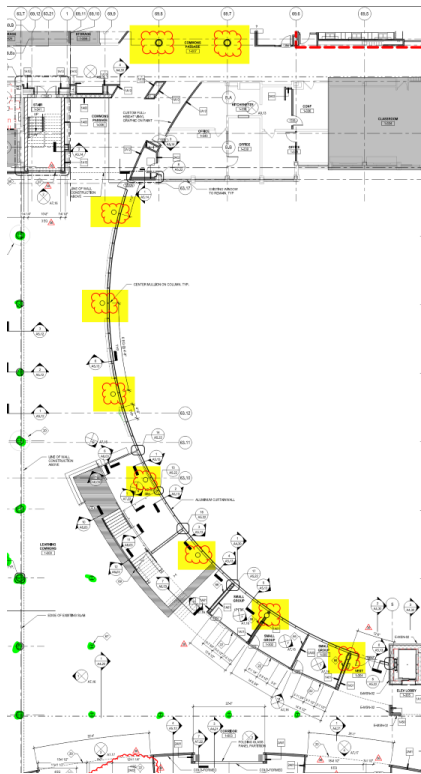
21. **QUESTION:** Reference details 20 & 21/S1.6C. Do you know where these details apply? **ANSWER: It will be a few miscellaneous areas where we have to enclose an existing floor opening once the existing ductwork is removed. Assume (3) such locations per each of the two details.**
22. **QUESTION:** Reference 2/S2.8C-EP. Only the floor PL is sized. Please provide hanger size as well as the rest of the catwalk framing & rail sizes. **ANSWER: This has been provided in addendum 3, issued on 12.11.19.**
23. **QUESTION:** On sheet A2.12F Keynote 88 is called to be a steel rail. Keynote 88 is also noted at rails on A2.14F. But sections on A7.27, detail 5 calls for rails to be stainless. Please clarify rail material **ANSWER: Keynote 88 is correct. Notes on A7.27 have been revised to call out painted steel handrails.**
24. **QUESTION:** Reference A2.14F. There is a spiral stair by NJ line that appears to just be hanging from above. But I would think there should be a structural member at the bottom to help support or stabilize the stair. From looking at S2.3.CF there does NOT appear to be any. Please confirm. I do not think the Spiral stair suppliers will pick this up. **ANSWER: The supports for the spiral stair will be provided in the forthcoming addendum 4.**
25. **QUESTION:** Reference A6.03. Just want to confirm that TS 2 X 2 is acceptable for cable rail posts. Also, where / how are posts attached to? All details just show the posts stopping at the top of floor but there is not base plate detail given. Especially at stairs, the posts just stop at the top of the stair tread. **ANSWER: The 2x2 posts are welded to a continuous bent plate or embed plate per structural drawings on S3.4C-B.**
26. **QUESTION:** When comparing sheets A7.29 & S3.10C-F the catwalk designs do not agree. Please ask for final structural catwalk design. **ANSWER: Final structural catwalk design is correct per addendum 3, issued on 12.11.19. Sheet A7.29 has been revised to match S3.10C-F.**
27. **QUESTION:** Could you please confirm which glass makeup (per glazing specifications addendum #2) we should proceed with for the skylight glass? **ANSWER: Provide Insulated Unit. Exterior Lite Clear glass with Low-E Solarban 70XL surface #2. Interior Lite laminated 3/16" clear heat strengthened.**
28. **QUESTION:** Door 1211, please confirm Door Type, Material, Size, and hardware set. **ANSWER: Door to be F1, Wood.**
29. **QUESTION:** Door 1602B, 1602C, & 1602D are aluminum doors with aluminum frames. **ANSWER: Confirmed.**
30. **QUESTION:** Door 1613A, please confirm Door Type, Material, Size, and hardware set. **ANSWER: Door 1613A is an insulated overhead door per spec section 083613. Size indicated in plan and elevation.**
31. **QUESTION:** Per Addendum #3 the width of Skylight C.1 and C.2 was supposed to be shown on the roof plan drawing but it is still not listed. Please advise what size these skylights are. **ANSWER: Width of C.1 and C.2 to be 10'-5 3/4".**
32. **QUESTION:** The following doors can only be found via the floor plan or interior elevations: 1201A (pair), 1201B (pair), 1120, 1220A, 1220B, 1211 (on door schedule, no material description). I think there are more, but this is just from my initial review. Will any of these be aluminum? If so, which hardware set should we quote? Am I misinterpreting this? Are elevations 3, 4, 5, 9, 12, 13, & 14 on A7.17 to be aluminum storefront systems to be included in our scope package, or the scope package picking up the Raco framing? **ANSWER: Doors have been added to the door schedule with materials noted. Elevations listed are intended to be Interior Aluminum Partition denoted by keynote 22.**
33. **QUESTION:** I did a cursory review of Add #3. Looks like they covered a lot. It looks like they still have to do truss design at the Theatre. Is that your understanding? **ANSWER: Truss is a delegated design item. Refer to the truss elevation sheet on S4 series.**
34. **QUESTION:** 1. Reference elevations 3/A7.17 and 4/A7.17 of the Issue for Addendum #3 set of Architectural Drawings. According to the Life Safety Plan (pg G1.01), this wall should have a 1-hour fire rating separation,

however, the glazing type is not called out on the elevations. Furthermore, the Wilson Partition aluminum framing specified at these locations (to be provided by the general trades contractor) is not a fire-rated system, indicating that this is not a fire-rated wall. a. Please confirm if the glazing at elevations 3/A7.17 and 4/A7.17 are to be fire-rated b. Please confirm all glass types on these elevations, including the transaction window on elevation 3/A7-17. **ANSWER: a. These elevations need not be fire-rated. Life safety plan will be updated. b. Provide GL-20 for these elevations. 2.1304A is included in the door schedule, listed under Level 02.**

35. **QUESTION:** Door # 1211 is not on the schedule. **ANSWER: Door schedule has been revised to include door #1211**
36. **QUESTION:** According to life safety plan on page G1.01, door number 1217 should carry a 1-hour of separation, however, it is not a fire-rated door according to the door hardware schedule on page A8.12. **ANSWER: Door 1217 need be fire-rated. Life Safety Plan will be revised.**
37. **QUESTION:** Please identify the locations of the following glass types: GL-07, G-01, G-02, GL-9 **ANSWER: GL-07 occurs on elevation 1/A4.05 as revised within. GL-01, GL-02 are not applicable to this phase. GL-09 has been removed as revised within on sheet A4.04.**
38. **QUESTION:** Reference detail 10/A7.33: The framing for the side lite for door 1218 appears to be curtain wall. Is this the intention, or should this be a different type of framing system, and if so, what kind? **ANSWER: This opening is intended to be a Hollow Metal Frame. Detail will be revised.**
39. **QUESTION:** The risers for the radius stair in Area B are assembled above the stringer, leaving the outside edge of the stair exposed (See sheet A6.03). I'm wondering if we need to add an additional run of cable closer to the base of the rail to meet code. I'm afraid that the edges of the treads being exposed will leave a gap larger than the 4" sphere rule. Or will the stair be framed with gypsum board and metal studs? Looking at the elevation 1/A4.30, it appears that the steps would be exposed. Please advise. **ANSWER: Correct, the steps are meant to be exposed per elevation 1/A4.30 and will require additional cable rails to meet code.**
40. **QUESTION:** The following doors are probably in Bid Group 8 (Phase C), but not on the door schedule: 1101, 1201A, 1201B, 1220A, 1220B, 1120, 1148, 1565. **ANSWER: Doors have been added to the door schedule as revised within.**
41. **QUESTION:** Are 3603 and 3607 access doors **ANSWER: These are intended for access under the seating but should be considered as doors, not as access doors**
42. **QUESTION:** 1202 is not labeled on the floor plan but is on the door schedule **ANSWER: Refer to A2.11D**
43. **QUESTION:** Door 1304 is listed on level 2, but probably is level 1 (curtainwall to courtyard). **ANSWER: Correct. Door 1304A is incorrectly listed under Level 2, however it is intended to be at Level 1.**
44. **QUESTION:** On sheet S2.5C-F we are just given bearing bar depth of 2", loading & an opening size in the grating of 2" X 4". How exact does the 2" X 4" opening have to be? The closest we can find with that size opening is 38 spaced (38/16") grating which will have a 2" opening (within standard grating manufacturing tolerance) but the cross bars are 4" c/c so the 'opening' will be slightly under 4". Is this acceptable? Also see below comments from one of our grating supplier's engineers: They say: 38W4 2" x 3/16" plain surface grating will not safely clear span 9'-2" under 120 psf loading. 38W4 2" x 1/4" plain surface grating will safely clear span 9'-2" under 120 psf loading, but the deflection will be 0.808 inches. 38W4 2" x 3/8" plain surface grating will safely clear span 9'-2" under 120 psf loading, but the deflection will be 0.539 inches. They say 2" grating can make the span but there will be a deflection between approx. 1/2" or 3/4". Is this acceptable? Otherwise we would probably have to increase the depth of the grating. Please advise. What are the deflection criteria & what is the max depth of grating bearing bars we can go to meet the deflection? **ANSWER: From structural standpoint, the grating is not limited to 2" maximum depth, so the grating shall be designed as required to meet the specified loads. In addition, the grating shall be designed to meet L/360 live load deflection limit and L/240 total deflection limit. 38W4 2" x 3/8" plain surface grating with deflection of 0.539 inches will be acceptable.**
45. **QUESTION:** How exactly am I supposed to price to openings with an Acoustical Designation? There are spec sections for both STC Rated Acoustical Openings & Non-STC Rated Acoustical Openings. Are the designations D1-D4 just requiring the gasketing in hardware sets, or do you need STC rated door? If STC rated doors are

required I will need a rating. There is a big cost difference between a true STC rated door and just a door with gasketing to help with acoustics. **ANSWER: STC rated doors are not required unless specifically noted. The acoustical designations direct you to the correct details regarding gasketing, kerfed frames, etc.**

46. **QUESTION:** Please send the following drawings: AD 4.24, A4.245, A5.10, A5.21. **ANSWER: Drawings are included within. It assumed that A4.24 is being asked for as there is no sheet A4.245. Sheet AD4.24 has been removed. Disregard references to it.**
47. **QUESTION:** Sheet A2.04 (Addendum #3 Drawing): In legend what is the construction of RF-01. (Please specify the difference over steel deck and concrete / Light Weight Concrete) **ANSWER: RF-01 assembly has been added to the legend.**
48. **QUESTION:** Is there a curtainwall storefront schedule in these drawings? Are you expecting us to size all this work off the elevations? A8.12 in not very comprehensive. **ANSWER: There is no schedule. Typical dimensions and relevant overall dimensions are provided on the plans and elevations. A8.12 is intended for door information.**
49. **QUESTION:** Please advise where the following glass types are located on the project or if they are no longer on the project, we are unable to locate any of these glass types... G-21, G-22, G-05A, G-07, G-01, G-02, GL-04. **ANSWER: GL-05A occurs on elevation 1/A4.04. GL-07 occurs on elevation 1/A4.05 as revised within this addendum. GL-04 replaces GL-09 as revised within this addendum. GL-01, GL-02, GL- 21 & GL-22 are not applicable to this phase.**
50. **QUESTION:** Please see attached. can you clarify whether the yellow highlighted columns are meant to be included as metal column covers in the metal panel scope?



**ANSWER: The 2 columns to the north of the image should be considered as metal column covers. The 7 columns along the radiused curtainwall need not be considered as metal column covers. These will be Architecturally Exposed Structural Steel.**

## II. Specifications

1. REVISE Section 012300 - ALTERNATES
2. REVISE Section 087111 – DOOR HARDWARE
  - a. Sets 109 – 113 added.
3. RENUMBER Section 079200 – ACOUSTIC SEALANTS
  - a. RENUMBERED Section 079202 – ACOUSTIC SEALANTS included within.

## III. Modified Drawings

### CIVIL

1. Sheet C3.03 GRADING AND EC PLAN SOUTH (**Full size sheet issued**)
  - a. Revised courtyard drainage to coordinate with plumbing.
2. Sheet C4.03 UTILITY PLAN SOUTH (**Full size sheet issued**)
  - a. Revised courtyard drainage to coordinate with plumbing.
3. Sheet C4.06 UTILITY PROFILES SOUTH (**Full size sheet issued**)
  - a. Revised profile of STM 8A-S.

### STRUCTURAL

4. Sheet S2.0C-F BASEMENT LEVEL FOUNDATION PLAN -AREA F (**Full size sheet issued**)
  - a. Added threshold steel plate detail per new plan note 37 at one location.
  - b. Added plan note 38 – related to comments on S2.1C-F
5. Sheet S2.1C-F LEVEL 1 FOUNDATION PLAN -AREA F (**Full size sheet issued**)
  - a. Added threshold steel plate detail per new plan note 37 at two locations.
  - b. Added masonry wall infill per new plan note 38 at one location.
6. Sheet S2.1C-F-EP1 ENLARGED FOUNDATION PLANS (**Full size sheet issued**)
  - a. Plan 2: Added wind brace column for decorative column cover.
7. Sheet S2.2C-F LEVEL 2 AND LOW ROOF FRAMING PLANS -AREA F (**Full size sheet issued**)
  - a. Added detail 4 on the sheet to address the top of the wind brace column added to S2.1C-F-EP1.
  - b. Revised 3 joist end reactions near the scene shop.
8. Sheet S2.3C-F LEVEL 3 FRAMING PLAN -AREA F (**Full size sheet issued**)
  - a. Revised beam end reaction at 7 locations at the scene shop roof.
  - b. Revise shear studs at 4 beam locations on the scene shop roof.
  - c. Revised total RTU-2 weight.



9. Sheet S2.5C-F AUDITORIUM AND FLY GALLERY ROOF LEVEL FRAMING PLAN -AREA F (**Full size sheet issued**)
  - a. Plan 1: Added detail 3/S2.5C-F at 4 major column locations which braces the 4 columns to the precast at the auditorium roof level and 2 of the same columns to the precast at the intermediate floor level.
  - b. Plan 2: Relocated the roof hatch opening.
10. Sheet S2.6C-F ENLARGED PLANS (**Full size sheet issued**)
  - a. Plan 7: Added steel support for the spiral stair and revised existing beam end reactions at precast wall accordingly.
11. Sheet S2.7C-F ENLARGED PLANS (**Full size sheet issued**)
  - a. Plan 2: Added steel support for the spiral stair and revised existing framing and beam end reactions at precast wall supports accordingly.
12. Sheet S3.3C-F NON-TYPICAL SECTIONS AND DETAILS (**Full size sheet issued**)
  - a. Revised detail 1 slab edge pour stop to a continuous bent plate with modified slab reinforcement as well.
13. Sheet S3.6C-F NON-TYPICAL SECTIONS AND DETAILS (**Full size sheet issued**)
  - a. Revised details 2 and 10.
14. Sheet S3.7C-F NON-TYPICAL SECTIONS AND DETAILS (**Full size sheet issued**)
  - a. Revised details 1 and 18.
15. Sheet S3.13C-F NON-TYPICAL SECTIONS AND DETAILS (**Full size sheet issued**)
  - a. Revised detail 6.
16. Sheet S4.4C-F MISCELLANEOUS ELEVATIONS (**Full size sheet issued**)
  - a. Revised Roof Truss Delegated Design notes 1, 5, 11 and added note 12.
17. Sheet S4.7C-F THEATRE BUILD-UP SEATING ELEVATIONS AND DETAILS (**Full size sheet issued**)
  - a. Revised detail 3.

#### **ARCHITECTURAL**

1. Sheet A2.04 OVERALL ROOF PLAN (**Full size sheet issued**)
  - a. Dimensions added to skylights C.1 and C.2
  - b. RF-01 description added to legend.
2. Sheet A2.10F FLOOR PLAN LOWER LEVEL F (**Full size sheet issued**)
  - a. Added new concrete stairs in existing corridor
3. Sheet A2.11A FLOOR PLAN LOWER LEVEL A (**Full size sheet issued**)
  - a. Labeled door 1101A

4. Sheet A3.11F REFLECTED CEILING PLAN LEVEL 1 – AREA F (**Full size sheet issued**)
  - a. Added roller shades along each bay of curtain wall at Studio Theatre
5. Sheet A5.16 EXTERIOR WALL SECTIONS & DETAILS – PHASE C
  - a. Deleted duplicative detail 5/A5.16. Refer to detail 11/A10.00.
6. Sheet A6.04 STAIR PLANS & DETAILS – PHASE C (**Full size sheet issued**)
  - a. Added enlarged plan 7/A6.04 & section 8/A.604
7. Sheet A7.27 AUDIRORIUM SECTIONS & DETAILS – PHASE C
  - a. Clarified handrail material to be painted steel on the following details 2, 5 & 8/A7.27
8. Sheet A7.29 AUDIRORIUM SECTIONS & DETAILS – PHASE C (**Full size sheet issued**)
  - a. Revised catwalk kick plates to be steel angles
9. Sheet A8.12 DOOR & WINDOW SCHEDULES & DETAILS – PHASE C (**Full size sheet issued**)
  - a. The following doors have been added to the door schedule; #1101, 1120, 1148, 1201A, 1201B, 1201C, 1220A, 1220B
  - b. Missing hardware assignments added. Revised door hardware spec included within.
10. Sheet A10.00 FINISH SCHEDULE & GENERAL DETAILS (**Full size sheet issued**)
  - a. Moved detail 5/A5.16 to 11/A10.00. Added headed stud information, welding information & steel plate sizes
  - b. Renamed detail 7/A10.00

#### **MECHANICAL**

1. Sheet M2.02B.c MECHANICAL DUCT FLOOR PLAN LEVEL 2 AREA B (**Full size sheet issued**)
  - a. Added EDH-5 & EDH-6.
2. Sheet M2.03F.c MECHANICAL DUCT FLOOR PLAN LEVEL 3 AREA F (**Full size sheet issued**)
  - a. Added EDH-7.
3. Sheet M5.01.c MECHANICAL SCHEDULES (**Full size sheet issued**)
  - a. Added EDH-5, EDH-6 & EDH-7 to the schedule.

## **PLUMBING**

1. Sheet P1.10B.c SANITARY & DRAINAGE FLOOR PLAN – UNDERGROUND AREA B (PHASE C) (***Full size sheet issued***)
  - a. Revised new downspout piping layout.
2. Sheet P1.11B.c SANITARY & DRAINAGE FLOOR PLAN – LEVEL 1 AREA B (PHASE C) (***Full size sheet issued***)
  - a. Revised new downspout piping layout.
3. Sheet P1.12B.c SANITARY & DRAINAGE FLOOR PLAN – LEVEL 2 AREA B (PHASE C) (***Full size sheet issued***)
  - a. Revised new downspout piping layout.
4. Sheet P1.13B.c SANITARY & DRAINAGE FLOOR PLAN – LEVEL 3 AREA B (PHASE C) (***Full size sheet issued***)
  - a. Revised new downspout piping layout.

## **ELECTRICAL**

1. Sheet ED3.01Bc FIRST FLOOR DEMOLITION POWER PLAN AREA B (***Full size sheet issued***)
  - a. Added demo scope to match arch. Plans for 4 rooms.
2. Sheet ED3.01Fc FIRST FLOOR DEMOLITION POWER PLAN AREA F (***Full size sheet reissued***)
  - a. Added demo keynote for auditorium for preserving existing equipment.
3. Sheet ED4.01Bc FIRST FLOOR DEMOLITION LIGHTING PLAN AREA B (***Full size sheet reissued***)
  - a. Added demo lighting scope for north area in Area B
4. Sheet ED4.01Cc FIRST FLOOR DEMOLITION POWER AND LIGHTING PLAN (***Full size sheet issued***)
  - a. Added new sheet for lighting and power demo for Area C to match architectural plans.
5. Sheet ED4.01Dc FIRST FLOOR DEMOLITION LIGHTING PLAN AREA D (***Full size sheet reissued***)
  - a. Added keynote 1 for lighting demo scope

This addendum consists of: (9) Text Pages (3) Specification Sections and (39) Drawing Sheets.

END OF ADDENDUM

**SECTION 012300 – ALTERNATES**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

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

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1.4 Alternates described in this Section are part of the Work only if enumerated in the Agreement.

1.5 The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.6 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1.7 Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

1.8 Include as part of each alternate, costs of related coordination, modification, or adjustment incidental to or required for a complete installation whether or not mentioned as part of the Alternate.

- A. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.

- B. Execute accepted alternates under the same conditions as other work of the Contract.

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

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. **Alternate No. 8.1 METAL FRAMED SKYLIGHTS:** Provide pricing to remove metal framed skylights. Pricing for this alternate should include the following:

1. Removal of the metal framed skylights.
2. Removal of the skylight support beams (W16x26(H) and W14x22(H)) at either side of the skylight openings. Beams below, within the plane of the roof, to be respaced.
3. Removal of cold-formed metal framing curb surrounding the openings.
4. Removal of the brake metal coping surrounding the openings.
5. Removal of the temporary wood platforms infilling the skylight openings.
6. Addition of metal roof deck to fill the area that would be skylight opening.
7. Addition of roofing insulation and membrane for the area that would be skylight opening.
8. Addition of acoustical ceiling tile to cover the are that would be skylight opening.

B. **Alternate No. 8.2 PLATFORMING ADDITIVE ALTERNATE:** Provide pricing to furnish and install Studio Theatre Seating Platforms as shown on TP-series of Drawings and as specified in Section 11 62 23 – Stage Platform Systems.

C. **Alternate No. 8.3 LOOSE THEATRE SEATING ADDITIVE ALTERNATE:** Provide pricing to furnish and install Loose Theatre Seating in Studio Theatre as shown on TS-series of Drawings and as specific in Section 12 62 16 – Loose Theatre Seating

D. **Alternate No. 8.4 STAGE RIGGING DEDUCTIVE ALTERNATE:** Provide pricing to furnish and install 2nd, 3rd and 4th electric linesets as manually operated counterweight linesets in lieu of motorized, counterweight-assisted linesets.

E. **Alternate No. 8.5 THEATRICAL LUMINAIRES DEDUCTIVE ALTERNATE:** Provide pricing to revise the schedule of quantities for the Proscenium Theatre as noted below:

1. Tungsten Luminaires:	
B Ellipsoidal Spotlights	
90 degree	8
70 degree	0
50 degree	<del>12</del> 8
36 degree	<del>20</del> 15
26 degree	<del>20</del> 15
19 degree	<del>20</del> 15
14 degree	0
10 degree	20
C PAR Spotlights	24

2.	LED Luminaires:	
	J Ellipsoidal Spotlights	
	90 degree	<del>40</del> 8
	70 degree	0
	50 degree	<del>40</del> 8
	36 degree	<del>40</del> 8
	26 degree	<del>40</del> 8
	19 degree	0
	14 degree	<del>8</del> 0
	10 degree	0
	K Par Spotlights	24
	L Linear Striplights	24
	M Single Cell Cyclorama Lights	0
3.	Ellipsoidal Reflector spotlights - Spare Lens tubes	
	B1 90 degree	<del>2</del> 0
	B2 70 degree	<del>2</del> 0
	B3 50 degree	<del>2</del> 0
	B4 36 degree	<del>2</del> 0
	B5 26 degree	<del>2</del> 0
	B6 19 degree	<del>2</del> 0
	B7 14 degree	<del>2</del> 0
4.	DMX Cable -	
	5 ft.....	100 84

F. **Alternate No. 8.6 Theatrical Luminaires Deductive Alternate:** Provide pricing to revise the schedule of quantities for the Proscenium Theatre as noted below:

1.	LED Luminaires:	
	J Ellipsoidal Spotlights	
	90 degree	<del>40</del> 8
	70 degree	0
	50 degree	<del>40</del> 8
	36 degree	<del>40</del> 8
	26 degree	<del>40</del> 8
	19 degree	0
	14 degree	<del>40</del> 8
	10 degree	0
	K Par Spotlights	<del>36</del> 24
	L Linear Striplights	0
	M Single Cell Cyclorama Lights	20
2.	H DMX Cable:	
	5 ft.	<del>440</del> 88

G. **Alternate No. 8.7 Demolition and Removal of Existing Terrazzo Flooring Additive Alternate:** Provide an additive alternate price to demolish and remove the existing Terrazzo flooring as indicated on Drawing AD2.01.

- H. **Alternate No. 8.8 AAON Substitution:** Provide an additive/deductive alternate to provide AAON manufactured units for RTU's 1, 2, 4, and 5.
  
- I. **Alternate No. 8.9 AAON Substitution:** Provide an additive/deductive alternate to provide AAON manufactured units for RTU's 3A & 3B. Note: these units must remain side discharge.
  
- J. **Alternate No. 8.10 Performance AV Equipment: Provide an additive alternate to provide additional equipment as listed in specification 274100, Appendix A.3.**
  
- K. Refer to Wight Construction's documents for additional instructions and/or alternates.

END OF SECTION 012300

## SECTION 07 9202 – ACOUSTIC SEALANTS

### PART 1 GENERAL

#### 1.01 GENERAL REQUIREMENTS

- A. Work of this Section, as shown or specified, shall be in accordance with the requirements of the Contract Documents.

#### 1.02 SECTION INCLUDES

- A. The Work of this Section includes all labor, materials, equipment, and services necessary to provide permanently resilient acoustic sealant and backing materials as specified herein and as shown on the drawings. Acoustic sealant is required at acoustically sensitive locations including but not limited to the resilient sealing of building system penetrations, the resilient sealing of acoustic isolations joints between dissimilar building materials and substrates, (such as CMU wall to concrete floor), and equipment room perimeters.
  - 1. Spray on fireproofing for structural steel and metal decking.
  - 2. Seal coat over fireproofing in special areas.
  - 3. Preparation of surfaces.
  - 4. Field quality control.

#### 1.03 RELATED SECTIONS

- A. Division 3 – Concrete
- B. Division 4 – Masonry
- C. Division 8 – Doors & Windows
- D. Division 9 – Finishes
- F. Division 15 – Mechanical
- G. Division 16 – Electrical

#### 1.04 MATERIAL DESCRIPTION

- A. The acoustic sealant shall be a permanently resilient, non-hardening, non-bleeding, caulking material. The elastomeric qualities of the acoustic sealant shall comply with all performance requirements of sealants specified at similar locations as indicated in the contract documents.

#### 1.05 SUBMITTALS

- A. Product Data: For each product specified, including physical characteristics in compliance with these requirements and compatibility with other materials and paints. Provide samples of each sealant to be used.
- B. Acoustic requirements: Sealant shall be permanently resilient and capable of high elongation, +/- 50%. Fire rated acoustic sealants shall also be permanently resilient and capable of a +/- 25% elongation.
- C. Manufacturer's recommended application procedures.

### PART 2 PRODUCTS

- A. Concealed Sealants:
  - 1. Silicone – Hilti CP 601s (Fire rated)
  - 2. Silicone – STI Sil 300
  - 3. Silicone – GE Silpruf SCS 2000 (Fire rated)
  - 4. Silicone – Tremco Fyresil (Fire rated)
- B. Exposed Sealants:
  - 1. One part polyurethane – Sikaflex 15LM
  - 2. Two part polyurethane – Sikaflex 2c
  - 3. Two part polyurethane – Pecora Dynatrol II
  - 4. One part polyurethane – Tremco Dymonic FC (paintable after cured)
- C. Acrylic latex based sealants will not be acoustically acceptable.



- D. Acrylic-silicone hybrid sealants may not be acoustically acceptable.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Before commencing installation, examine the substrate and surrounding conditions to insure there are no rigid connections between building elements and structure and no superfluous building materials have fallen into the void and are bridging the separation to be acoustically sealed.

#### 3.02 PREPARATION

- A. Clean and prepare substrate, remove any superfluous material that has bridged the void where sealant is to be applied.

#### 3.03 INSTALLATION

- A. Provide backing materials if required, for proper application of sealant. The sealant shall be applied according to the manufacturer's guidelines so as to achieve a uniform, minimum ¼" thick round bead and to achieve an airtight seal.
- B. No rigid material or connection shall bridge the separation when the sealant is installed materials separations providing acoustic isolation, as shown on the drawings and as specified herein, shall be inspected by the construction supervisor, Architect, or Acoustic Consultant prior to installation. Removal of sealant may be requested by the Acoustic Consultant for sample inspection. If a sample inspection by the Acoustic Consultant reveals bridging, the Acoustic Consultant reserves the right to have any and all sealant removed for inspection.
- C. Acoustically Sealed Penetrations:
1. For a new concrete or new CMU construction, provide noise and vibration isolation of mechanical system penetrations as follows:
    - a. Provide core holes for each individual pipe or duct penetration. Core hole shall be a minimum 1", 1 ½" is preferred, larger than scheduled pipe or duct passing through the wall and to allow penetration to be packed solidly with mineral wool or glass fiber for the full depth of the wall.
    - b. Ensure penetrating duct or pipe is centered in the opening to allow for isolating material to completely surround the pipe or duct.
    - c. Pack annular space to full depth of penetration with clean glass fiber or rockwool material and install continuous backer rod.
    - d. Seal full perimeter of annular opening with acoustic sealant to minimum ½" depth to achieve airtight seal.
    - e. Each penetration must be individually sealed; multiple pipes routed through a single opening are not acceptable unless specifically detailed.
  2. For a new gypsum drywall construction, provide noise and vibration isolation of mechanical system penetrations as follows:
    - a. Provide core holes through scabbed on gypsum board, solid timber blocking or steel sleeve for all duct, pipe, conduit and other penetrations through lightweight walls, ceiling and floors where noted on drawings. Where there is double wall construction, the blocking and/or sleeve must be discontinuous at the isolating airspace.
    - b. Annular space shall be 1", 1 ½" is preferred, larger than scheduled pipe or duct passing through the wall and shall be packed and sealed as described above.
    - c. Each penetration must be individually sealed; multiple pipes routed through a single opening are not acceptable unless specifically detailed.
  3. To remediate existing penetration conditions and to provide vibration isolation of existing pipes and ducts through existing construction:
    - a. Provide flexible connections as prescribed by the mechanical engineer.
    - b. During the disconnect-reconnect process enlarge the opening in the wall through which system passes.
    - c. The annular space shall be packed and sealed as described above.

4. Where sleeved penetrations are required in concrete or masonry construction:
  - a. Provide sleeves of 22-gauge-minimum steel, grouted rigidly in place and airtight, for all duct, pipe, conduit, and other penetrations through walls, ceilings, and floors of mechanical equipment rooms, dimmer rooms, transformer rooms, main switchgear rooms and where noted on drawings.
  - b. Each penetration must be individually sealed; mass penetrations are not acceptable unless specifically detailed on the Contract Documents.
  - c. Inside dimension of sleeve shall be no less than 1 inch greater than outside dimension of penetrating item on all sides.
  - d. Pack annular space to full depth of penetration with clean fiberglass batt or blanket material flush to ends of sleeve.
  - e. Seal full perimeter of both ends of sleeve with acoustic sealant to minimum ½" depth to achieve airtight seal.

END OF SECTION

## SECTION 087111 – DOOR HARDWARE

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

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

## 1.2 SUMMARY

## A. Section Includes:

- 1. Commercial door hardware for the following:
  - a. Swinging doors.
  - b. Other doors to the extent indicated.
- 2. Cylinders for door hardware specified in other Sections.

## B. Related Requirements:

- 1. Division 06 Section "Architectural Woodwork" for cabinet door hardware provided as part of architectural woodwork.
- 2. Division 08 Section "Hollow Metal Doors and Frames" for door silencers provided as part of the frame.
- 3. Division 08 Section "Aluminum-Framed Entrances and Storefronts" for installation of entrance door hardware, except cylinders.
- 4. Division 08 Section "Flush Wood Doors" for integral intumescent seals provided as part of labeled fire-rated assemblies.
- 5. Division 26 Sections for connections to electrical power system and for low-voltage wiring work.

- C. Products furnished, but not installed, under this Section include the following. Coordinating, purchasing, delivering, and scheduling remain requirements of this Section.

- 1. Hardware for aluminum entrance doors and frames specified in other Sections.

## 1.3 ACTION SUBMITTALS

- A. Product Data: Include installation details, material descriptions, dimensions of individual components and profiles, and finishes.

- B. Shop Drawings: Details of electrified door hardware, indicating the following:
1. Wiring Diagrams: For power, signal, and control wiring and including the following:
    - a. Details of interface of electrified door hardware and building safety and security systems.
  2. Operation Narrative: Describe the operation of doors controlled by electrified door hardware.
- C. Samples for Verification: For exposed door hardware of each type, in specified finish, full size. Tag with full description for coordination with the door hardware sets. Submit Samples before, or concurrent with, submission of the final door hardware sets.
1. Samples will be returned to Contractor. Units that are acceptable and remain undamaged through submittal, review, and field comparison process may, after final check of operation, be incorporated into the Work, within limitations of keying requirements.
- D. Other Action Submittals:
1. Door Hardware Schedule: Prepared by or under the supervision of Installer, detailing fabrication and assembly of door hardware, as well as installation procedures and diagrams. Coordinate the final door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
    - a. Submittal Sequence: Submit door hardware schedule after or concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate the fabrication of other work that is critical in Project construction schedule.
    - b. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents. Double space entries, and number and date each page.
    - c. Content: Include the following information:
      - 1) Identification number, location, hand, fire rating, size, and material of each door and frame.
      - 2) Locations of each door hardware set, cross-referenced to Drawings on floor plans and to door and frame schedule.
      - 3) Complete designations, including name and manufacturer, type, style, function, size, quantity, function, and finish of each door hardware product.
      - 4) Description of electrified door hardware sequences of operation and interfaces with other building control systems.
      - 5) Fastenings and other pertinent information.
      - 6) Explanation of abbreviations, symbols, and codes contained in schedule.
      - 7) Mounting locations for door hardware.

- 8) List of related door devices specified in other Sections for each door and frame.
2. Keying Schedule: Prepared by or under the supervision of Installer, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations that are coordinated with the Contract Documents.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and Architectural Hardware Consultant.
- B. Product Certificates: For electrified door hardware, from the manufacturer.
  1. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
- C. Product Test Reports: For compliance with accessibility requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified testing agency, for door hardware on doors located in accessible routes.
- D. Warranty: Special warranty specified in this Section.

#### 1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of door hardware to include in maintenance manuals. Include final hardware and keying schedule.

#### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by product manufacturers with experience in installing specified items.
- B. Hardware Supplier Qualifications:
  1. Supplier must be a corporate member in good standing of The Door and Hardware Institute (DHI).
  2. Supplier shall employ an active Architectural Hardware Consultant (AHC), who is currently participating in DHI's continuing education program (CEP).
  3. Warehousing Facilities: In Project's vicinity.
  4. Scheduling Responsibility: Preparation of door hardware schedule.
  5. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.

- C. Source Limitations: Obtain each type of door hardware from a Source Limitations: Obtain each type of door hardware from a single manufacturer.
1. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.
- D. Fire-Rated Door Assemblies: Where fire-rated door assemblies are indicated, provide door hardware rated for use in assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL 10C, unless otherwise indicated.
- E. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
1. Air Leakage Rate: Maximum air leakage of 0.3 cfm/sq. ft. at the tested pressure differential of 0.3-inch wg of water.
- F. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.
- G. Means of Egress Doors: Latches do not require more force than 8-1/2 lbf to release the latch for exterior doors and 5 lbf for interior doors. Locks do not require use of a key, tool, or special knowledge for operation.
- H. Accessibility Requirements: For door hardware on doors in an accessible route, comply with the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and the Illinois Accessibility Act.
1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf.
  2. Comply with the following maximum opening-force requirements:
    - a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf applied perpendicular to door.
    - b. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.
  3. Adjust door closer sweep periods so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches from the latch, measured to the leading edge of the door.

- I. Keying Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination." In addition to Owner, Construction Manager, Contractor, and Architect, conference participants shall also include Installer's Architectural Hardware Consultant. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including, but not limited to, the following:
  1. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
  2. Preliminary key system schematic diagram.
  3. Requirements for key control system.
  4. Requirements for access control.
  5. Address for delivery of keys.
  
- J. Preinstallation Conference: Conduct conference at Project site.
  1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
  2. Inspect and discuss preparatory work performed by other trades.
  3. Inspect and discuss electrical roughing-in for electrified door hardware.
  4. Review sequence of operation for each type of electrified door hardware.

#### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.
- B. Tag each item or package separately with identification coordinated with the final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.
- C. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

#### 1.8 COORDINATION

- A. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- B. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- C. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

## 1.9 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Structural failures including excessive deflection, cracking, or breakage.
    - b. Faulty operation of operators and door hardware.
    - c. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
- B. Warranty Period: One year from date of Substantial Completion, except as follows:
  - 1. Exit Devices: Two years from date of Substantial Completion.
  - 2. Locks: 3 years from date of Substantial Completion.
  - 3. Manual Closers: 10 years from date of Substantial Completion.

## 1.10 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

## PART 2 - PRODUCTS

### 2.1 SCHEDULED DOOR HARDWARE

- A. Provide door hardware for each door as scheduled in Part 3 "Door Hardware Schedule" Article to comply with requirements in this Section.
  - 1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated.
  - 2. Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.
- B. Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of door hardware are indicated in Part 3 "Door Hardware Schedule" Article. Products are identified by descriptive titles corresponding to requirements specified in Part 2.
- C. Hardware shall be BHMA Grade 1.



## 2.2 HINGES

- A. Hinges: BHMA A156.1, Grade 1. Provide template-produced hinges for hinges installed on hollow-metal doors and hollow-metal frames.
1. Approved Manufacturers: Subject to compliance with requirements, provide product indicated on schedule or equal product by one of the following:
    - a. Hager.
    - b. Ives.
    - c. Stanley.
    - d. No alternate manufacturers will be accepted without architect's approval prior to bidding.
- B. Quantity: Provide the following, unless otherwise indicated:
1. Two Hinges: For doors with heights up to 60 inches.
  2. Three Hinges: For doors with heights 61 to 90 inches.
  3. Four Hinges: For doors with heights 91 to 120 inches.
  4. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
- C. Hinge Weight: Unless otherwise indicated, provide the following:
1. Entrance Doors and other high frequency doors: Heavy duty continuous hinges.
  2. Interior Doors: Standard weight ball bearing hinges.
  3. Interior Doors 3'4" wide or greater: Heavy weight ball bearing hinges.
  4. Interior Doors 2 1/4" thick: Heavy weight ball bearing hinges. Provide 5" x 5" hinges.
- D. Hinge Base Metal:
1. Exterior Butt Hinges: Stainless steel, with stainless-steel pin.
  2. Continuous gear hinges: Anodized aluminum anodized
  3. Interior Hinges: Steel with steel pin.
- E. Hinge Options:
1. Nonremovable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for outswinging exterior doors.
  2. Corners: Square.
  3. All hinges to be ball bearing hinges.
- F. Fasteners: Comply with the following:
1. Machine Screws: For metal doors and frames. Install into drilled and tapped holes.
  2. Wood Screws: For wood doors and frames.
  3. Threaded-to-the-Head Wood Screws: For fire-rated wood doors.

4. Screws: Phillips flat-head; machine screws (drilled and tapped holes) for metal doors. Wood screws for wood doors and frames]. Finish screw heads to match surface of hinges.

## 2.3 CONTINUOUS HINGES

- A. Continuous Hinges: BHMA 156.26, minimum 0.120-inch-thick, hinge leaves with minimum overall width of 4 inches; fabricated to full height of door and frame and to template screw locations; with components finished after milling and drilling are complete.
- B. Continuous, Gear-Type Hinges: Extruded-aluminum, pinless, geared hinge leaves joined by a continuous extruded-aluminum channel cap; with concealed, self-lubricating thrust bearings.
  1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on schedule or comparable product by one of the following:
    - a. Hager.
    - b. Ives.
    - c. Select.
    - d. No alternate manufacturers will be accepted without architect's approval prior to bidding.
  2. Grade: Grade 1-300.
  3. Hinges for Fire-Rated Assemblies: With steel fire pins to hold fire-rated doors in place if required by tested listing.
  4. Mounting: Concealed leaf.

## 2.4 MECHANICAL LOCKS AND LATCHES

- A. Lock Functions: As indicated in door hardware schedule. Provide mortise and cylindrical locksets as indicated in hardware sets.
- B. Lock Throw: Comply with testing requirements for length of bolts to comply with labeled fire door requirements, and as follows:
  1. Mortise Locks: Minimum 3/4-inch latchbolt throw.
  2. Deadbolts: Minimum 1-inch bolt throw.
- C. Lock Backset: 2-3/4 inches, unless otherwise indicated.
- D. Lock Trim:
  1. Description: As indicated in door hardware schedule.
  2. Dummy Trim: Match lever lock trim and escutcheons.
  3. Operating Device: Lever with escutcheons (roses).

- E. Strikes: Provide manufacturer's standard strike for each lock bolt or latchbolt complying with requirements indicated for applicable lock or latch and with strike box and curved lip extended to protect frame; finished to match lock or latch.
  - 1. Aluminum-Frame Strike Box: Manufacturer's special strike box fabricated for aluminum framing.
- F. Mortise Locks: BHMA A156.13; Grade 1.
  - 1. Approved Manufacturers: Subject to compliance with requirements, provide product indicated on schedule or equal product by one of the following:
    - a. Schlage.
    - b. No alternate manufacturers will be accepted without architect's approval prior to bidding.

## 2.5 DOOR BOLTS

- A. Automatic Flush Bolts: BHMA A156.3, Grade 1; designed for mortising into door edge.
- B. Dustproof Strikes: Grade 1, polished wrought brass, with 3/4-inch-diameter, spring-tension plunger.
- C. Approved Manufacturers: Subject to compliance with requirements, provide product indicated on schedule or equal product by one of the following:
  - 1. Flush Bolts:
    - a. Hager.
    - b. Ives.
    - c. Rockwood.
    - d. No alternate manufacturers will be accepted without architect's approval prior to bidding.
- D. Bolt Throw: Comply with testing requirements for length of bolts to comply with labeled fire door requirements, and as follows:
  - 1. Mortise Flush Bolts: Minimum 3/4-inch throw.

## 2.6 EXIT DEVICES AND AUXILIARY ITEMS

- A. Exit Devices and Auxiliary Items: BHMA A156.3, Grade 1.
  - 1. Approved Manufacturers: Subject to compliance with requirements, provide product indicated on schedule or equal product by one of the following:
    - a. Von Duprin
    - b. No alternate manufacturers will be accepted without architect's approval prior to bidding.

- B. Panic Exit Devices: Listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for panic protection, based on testing according to UL 305.
- C. Fire Exit Devices: Devices complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire and panic protection, based on testing according to UL 305 and NFPA 252.
- D. Fire-Exit Removable Mullions: Provide removable mullions for use with fire exit devices complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire and panic protection, based on testing according to UL 305 and NFPA 252. Mullions shall be used only with exit devices for which they have been tested.
- E. Through-Bolt Fasteners: For exit devices and trim on metal doors and fire-rated wood doors.

## 2.7 LOCK CYLINDERS

- A. Lock Cylinders: Manufacturers interchangeable core, constructed from brass or bronze, stainless steel, or nickel silver.
  - 1. Approved Manufacturers: Subject to compliance with requirements, provide product indicated on schedule or equal product by one of the following:
    - a. Schlage.
    - b. No alternate manufacturers will be accepted without architect's approval prior to bidding.

## 2.8 KEYING

- A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A. Incorporate decisions made in keying conference.
  - 1. Key all new cylinders into the existing masterkey system.
- B. Keys: Nickel-silver.
  - 1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:
    - a. Notation: "DO NOT DUPLICATE."
  - 2. Quantity: In addition to one extra blank key for each lock, provide the following:
    - a. Cylinder Change Keys: Three.
    - b. Master Keys: Five.
    - c. Grand Master Keys: Five.
    - d. Control Keys: Two.

## 2.9 OPERATING TRIM

- A. Operating Trim: BHMA A156.6, Grade 1; stainless steel, unless otherwise indicated.
  - 1. Approved Manufacturers: Subject to compliance with requirements, provide product indicated on schedule or equal product by one of the following:
    - a. Hager.
    - b. Ives.
    - c. Rockwood.
    - d. No alternate manufacturers will be accepted without architect's approval prior to bidding.
- B. Flat Push Plates: 0.050 inch thick, 4 inches wide by 16 inches high with square corners and beveled edges; secured with exposed screws.
- C. Straight Door Pulls: With minimum clearance of 1-1/2 inches from face of door.
  - 1. Type: 1-inch constant diameter pull.
  - 2. Mounting: Through bolted with oval-head machine screws and countersunk washers.
  - 3. Center to Center Length: 10 inches.

## 2.10 SURFACE CLOSERS

- A. Surface Closers: BHMA A156.4, Grade 1; rack-and-pinion hydraulic type with adjustable sweep and latch speeds controlled by key-operated valves and forged-steel main arm. Comply with manufacturer's written recommendations for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force. Provide extra duty arm at parallel arm locations.
  - 1. Approved Manufacturers: Subject to compliance with requirements, provide product indicated on schedule or equal product by one of the following:
    - a. LCN
    - b. No alternate manufacturers will be accepted without architect's approval prior to bidding.
- B. Surface Closer with Cover: Grade 1; Modern Type with mechanism enclosed in cover. Mounting and type as indicated, with adjustable backcheck effective between 60 and 85 degrees of door opening, and molded plastic cover.
- C. Size of Units: Unless otherwise indicated, comply with manufacturer's written recommendations for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.

## 2.11 AUTOMATIC DOOR OPERATORS

- A. General: Provide operators of size recommended by manufacturer for door size, weight, and movement; for condition of exposure; and for compliance with UL325. Coordinate operator mechanisms with door operation, hinges, and activation devices.

Fire Rated Doors: Provide door operators for fire-rated door assemblies that comply with NFPA80 for fire-rated door components and are listed and labeled by a qualified testing agency.

- B. Brackets and Reinforcements: Manufacturer's standard, fabricated from aluminum with nonferrous shims for aligning system components.
- C. Standard: Certified ANSI/BHMA A156.19.

Performance Requirements:

- a. Opening force if power fails: Not more than 15lbf to release a latch if provided, not more than 30lbf required to manually set door in motion, and not more than 15lbf required to fully open door.
  - b. Entrapment Protection: Not more than 15lbf required to prevent stopped door from closing or opening.
- D. Configuration: Surface mounted. Door operators to control single swinging and pair of swinging doors.
- E. Operation: Power opening and spring closing capable of meeting ANSI A117.1 accessibility guideline. Provide time delay for door to remain open before initiating closing cycle as required by ANSI/BHMA A156.19. When not in automatic mode, door operator to function as manual door closer with fully adjustable opening and closing forces, with or without electrical power.
- F. Features: Operator units to have full feature adjustments for door opening and closing force and speed, backcheck, motor assist acceleration from 0 to 30 seconds, time delay, vestibule interface delay, obstruction recycle, and hold open time from 0 up to 30 seconds.
- G. Provide outputs and relays on board the operator to allow for coordination of exit device latch retraction, electric strikes, magnetic locks, card readers, safety and motion sensors and specified auxiliary contacts.
- H. Activation Devices: Provide activation devices in accordance with ANSI/BHMA A156.19 standard, for condition of exposure indicated and for long term, maintenance free operation under normal traffic load operation. Coordinate activation control with electrified hardware and access control interfaces. Activation switches are standard SPST, with option DPDT availability.

1. Manufacturers:

- a. LCN

- b. Horton
- c. Motion Access
- d.. No alternate manufacturers will be accepted without architect's approval prior to bidding.

## 2.12 MECHANICAL STOPS AND HOLDERS

- A. Wall- and Floor-Mounted Stops: BHMA A156.16, Grade 1; polished cast brass, bronze, or aluminum base metal; with rubber bumper.
  - 1. Approved Manufacturers: Subject to compliance with requirements, provide product indicated on schedule or equal product by one of the following:
    - a. Hager.
    - b. Ives.
    - c. Rockwood.
    - d. No alternate manufacturers will be accepted without architect's approval prior to bidding.

## 2.13 OVERHEAD STOPS AND HOLDERS

- A. Overhead Stops and Holders: BHMA A156.8, Grade 1.
  - 1. Approved Manufacturers: Subject to compliance with requirements, provide product indicated on schedule or equal product by one of the following:
    - a. ABH.
    - b. Glynn-Johnson.
    - c. Rixson.
    - d. No alternate manufacturers will be accepted without architect's approval prior to bidding.

## 2.14 METAL PROTECTIVE TRIM UNITS

- A. Metal Protective Trim Units: BHMA A156.6, Grade 1; fabricated from 0.050-inch-thick sheet; with manufacturer's standard machine or self-tapping screw fasteners.
  - 1. Approved Manufacturers: Subject to compliance with requirements, provide product indicated on schedule or equal product by one of the following:
    - a. Hager.
    - b. Ives.
    - c. Rockwood.
    - d. No alternate manufacturers will be accepted without architect's approval prior to bidding.

## 2.15 ELECTRIC STRIKES

- A. Electric Strikes: Heavy duty, confirming to ANSI/BHMA A156.31, UL listed for both Burglary Resistance and for use on fire rated door assemblies. Stainless Steel construction tested to 2000lbs of static strength and 120ft-lbs dynamic strength. Strikes tested for a minimum 1 million operating cycles. Provide strikes with 12 or 24VDC capability and supplied as fail secure unless otherwise specified.
1. Acceptable Manufacturers:
    - a. HES.
    - b. Von Duprin.
    - c. No alternate manufacturers will be accepted without architect's approval prior to bidding.

## 2.16 DOOR GASKETING

- A. Standard: BHMA A156.22.
- B. General: Provide continuous weather-strip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated or scheduled. Provide noncorrosive fasteners for exterior applications and elsewhere as indicated.
1. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
  2. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
  3. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.
- C. Air Leakage: Not to exceed 0.50 cfm per foot of crack length for gasketing other than for smoke control, as tested according to ASTM E 283.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated, based on testing according to ASTM E 1408.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Gasketing Materials: ASTM D 2000 and AAMA 701/702.
- G. Manufacturers:
  1. National Guard Products (NGP).
  2. Pemko.
  3. Reese.
  4. Smoke Seals. Provide smoke seal gasketing at all fire doors regardless if shown in sets.



## 2.17 THRESHOLDS

- A. Standard: BHMA A156.21.
- B. Accessibility Requirements: Where thresholds are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)."
  - 1. Bevel raised thresholds with a slope of not more than 1:2. Provide thresholds not more than 1/2 inch high.
- C. Thresholds for Means of Egress Doors: Comply with NFPA 101. Maximum 1/2 inch high.
- D. Manufacturers:
  - 1. National Guard Products (NGP).
  - 2. Pemko.
  - 3. Reese.

## 2.18 FABRICATION

- A. Base Metals: Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18 for finishes. Do not furnish manufacturer's standard materials or forming methods if different from specified standard.
- B. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to commercially recognized industry standards for application intended. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.
  - 1. Concealed Fasteners: For door hardware units that are exposed when door is closed, except for units already specified with concealed fasteners. Do not use through bolts for installation where bolt head or nut on opposite face is exposed unless it is the only means of securely attaching the door hardware. Where through bolts are used on hollow door and frame construction, provide sleeves for each through bolt.
  - 2. Fire-Rated Applications:
    - a. Wood or Machine Screws: For the following:
      - 1) Hinges mortised to doors or frames; use threaded-to-the-head wood screws for wood doors and frames.
      - 2) Strike plates to frames.
      - 3) Closers to doors and frames.

- b. Steel Through Bolts: For the following unless door blocking is provided:
  - 1) Surface hinges to doors.
  - 2) Closers to doors and frames.
  - 3) Surface-mounted exit devices.
- 3. Spacers or Sex Bolts: For through bolting of hollow-metal doors.
- 4. Fasteners for Wood Doors: Comply with requirements in DHI WDHS.2, "Recommended Fasteners for Wood Doors."
- 5. Gasketing Fasteners: Provide noncorrosive fasteners for exterior applications and elsewhere as indicated.

## 2.19 FINISHES

- A. Provide finishes complying with BHMA A156.18 as indicated in door hardware schedule.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
- B. Wood Doors: Comply with DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."

### 3.3 INSTALLATION

- A. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
  - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
  - 2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
- B. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
  - 1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
  - 2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- C. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than the number recommended by manufacturer for application indicated or one hinge for every 30 inches of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.
- D. Stops: Provide wall stops for doors unless floor or other type stops are indicated in door hardware schedule. Do not mount floor stops where they will impede traffic.

### 3.4 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
  - 1. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.

### 3.5 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items as necessary to restore proper function and finish.

- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

### 3.6 MISCELLANEOUS

- A. Fire-Rated Door Assemblies: Where fire-rated door assemblies are indicated, provide door hardware rated for use in assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL10C, unless otherwise indicated. Provide positive latching and self closing, regardless if specified in sets.
- B. Items of hardware not definitely specified herein but necessary for completion of the Work shall be provided. Such items shall be of type and quality suitable to the service required and comparable to the adjacent hardware. Where size and shape of members is such as to prevent the use of types specified, hardware shall be furnished of suitable types having as nearly as practicable the same operation and quality as the type specified. Sizes shall be adequate for the service required. Include such nuances as strike type, strike lip, raised barrel hinges, mounting brackets, fasteners, shims, and coordination between conflicting products. All doors shall be provided with a stop.
- C. Provide hardware appropriate for 2 ¼" thick doors where applicable.

### 3.7 DOOR HARDWARE SCHEDULE

#### **SET 01**

2 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
2 EA	EXIT DEVICE	3347EO	626	VON DUPRIN
2 EA	PULLS	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

#### **SET 02**

1 EA	CONTINUOUS HINGE	780-112HD X EPT PREP	CLR	HAGER
1 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
1 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN
1 EA	EXIT DEVICE	QEL3347A-NL-OP	626	VON DUPRIN
1 EA	EXIT DEVICE	3347EO	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULLS	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	AUTO OPERATOR	4640	689	LCN

2 EA	ACTUATOR	8310-856T	630	LCN
2 EA	FLUSH MOUNT BOX	8310-868F	---	LCN
1 EA	WEATHER RING	8310-800	---	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	POWER SUPPLY	PS902 X 900-2RS	GRY	VON DUPRIN
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP
1 EA	POSITION SWITCH	1078	GRY	GE

\*\*CARD READER BY OTHERS.

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

OPERATION: DOORS NORMALLY LOCKED AND CLOSED. VALID CARD READ ACTIVATES OUTSIDE AUTOMATIC OPERATOR ACTUATOR AND ACTIVATES ELECTRIC LATCH RETRACTION EXIT DEVICE TO ALLOW ENTRY. AT DISCRETION OF FACILITY, ELECTRIC LATCH RETRACTION EXIT DEVICE CAN BE PROGRAMMED TO BE RETRACTED TO ALLOW ENTRY (WHEN RETRACTED, OUTSIDE AUTOMATIC OPERATOR ACUATOR TO BE ACTIVE). FREE EGRESS IS ALWAYS ALLOWED.

### **SET 03**

2 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
2 EA	EXIT DEVICE	3347EO	626	VON DUPRIN
2 EA	PULLS	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

### **SET 04**

1 EA	CONTINUOUS HINGE	780-112HD X EPT PREP	CLR	HAGER
1 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
1 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN
1 EA	EXIT DEVICE	QEL3347A-NL-OP	626	VON DUPRIN
1 EA	EXIT DEVICE	3347EO	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULLS	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	AUTO OPERATOR	4640	689	LCN
2 EA	ACTUATOR	8310-856T	630	LCN
2 EA	FLUSH MOUNT BOX	8310-868F	---	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	POWER SUPPLY	PS902 X 900-2RS	GRY	VON DUPRIN
1 EA	POSITION SWITCH	1078	GRY	GE

\*\*CARD READER AND REMOTE RELEASE BY OTHERS.

OPERATION: DOORS NORMALLY LOCKED AND CLOSED. VALID CARD READ OR REMOTE RELEASE ACTIVATES OUTSIDE AUTOMATIC OPERATOR ACTUATOR AND ACTIVATES ELECTRIC LATCH RETRACTION EXIT DEVICE TO ALLOW ENTRY. AT DISCRETION OF FACILITY, ELECTRIC LATCH RETRACTION EXIT DEVICE CAN BE PROGRAMMED TO BE RETRACTED TO ALLOW ENTRY (WHEN RETRACTED, OUTSIDE AUTOMATIC OPERATOR ACUATOR TO BE ACTIVE). FREE EGRESS IS ALWAYS ALLOWED.

**SET 05**

1 EA	CONTINUOUS HINGE	780-112HD X EPT PREP	CLR	HAGER
1 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
1 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN
1 EA	EXIT DEVICE	QEL3347A-NL-OP	626	VON DUPRIN
1 EA	EXIT DEVICE	3347EO	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULLS	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	AUTO OPERATOR	4640	689	LCN
1 EA	ACTUATOR	8310-856T	630	LCN
1 EA	FLUSH MOUNT BOX	8310-868F	---	LCN
1 EA	WEATHER RING	8310-800	---	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	POWER SUPPLY	PS902 X 900-2RS	GRY	VON DUPRIN
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP
1 EA	POSITION SWITCH	1078	GRY	GE

\*\*CARD READER BY OTHERS.

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

OPERATION: DOORS NORMALLY LOCKED AND CLOSED. VALID CARD READ ACTIVATES OUTSIDE AUTOMATIC OPERATOR ACTUATOR AND ACTIVATES ELECTRIC LATCH RETRACTION EXIT DEVICE TO ALLOW ENTRY. AT DISCRETION OF FACILITY, ELECTRIC LATCH RETRACTION EXIT DEVICE CAN BE PROGRAMMED TO BE RETRACTED TO ALLOW ENTRY (WHEN RETRACTED, OUTSIDE AUTOMATIC OPERATOR ACUATOR TO BE ACTIVE). FREE EGRESS IS ALWAYS ALLOWED.

**SET 06**

2 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
2 EA	PUSH/PULL	BF15847	630	HAGER
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

**SET 07**

1 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
1 EA	EXIT DEVICE	33A-EO	626	VON DUPRIN
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

**SET 08**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM SEC	L9071R X 05A	626	SCHLAGE
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON

**SET 09**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	OFFICE LOCK	L9050R X 05A	626	SCHLAGE
1 EA	WALL STOP	409	630	ROCKWOOD

**SET 10**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 805A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 11**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP X CUSH	689	LCN
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 12**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	ELECTRIC HINGE	AS SPECIFIED X ETW-6	652	HAGER
1 EA	ELECTRIC LOCK	RX-L9092REU X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 EA	POSITION SWITCH	1078	GRY	GE

\*\*CARD READER BY OTHERS.

**SET 13**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 14**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CORRIDOR LOCK	L9456R X 05A X L283-722	626	SCHLAGE
1 EA	WALL STOP	409	630	ROCKWOOD

**SET 15**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	PRIVACY	L9040 X 05A X L283-722	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 16**

1 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
1 EA	CLASSROOM SEC	L9071R X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 17**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM LOCK	L9070 X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 18**

2 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
2 EA	EXIT DEVICE	9927L-BE-F X LBR	626	VON DUPRIN
2 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
2 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 EA	ASTRAGAL	5070CL	AL	NGP
1 SET	SEALS	5050C	BLK	NGP

**SET 19**



EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	PASSAGE	L9010 X 05A	626	SCHLAGE
1 EA	WALL STOP	409	630	ROCKWOOD

**SET 20**

1 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
1 EA	CLASSROOM SEC	L9071R X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 21**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	ELECTRIC HINGE	AS SPECIFIED X ETW-6	652	HAGER
1 EA	ELECTRIC LOCK	RX-L9092REU X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 EA	POSITION SWITCH	1078	GRY	GE

\*\*CARD READER BY OTHERS.

OPERATION: DOOR NORMALLY LOCKED AND CLOSED. VALID CARD READ UNLOCKS ELECTRIC LOCK TO ALLOW ENTRY. FREE EGRESS IS ALWAYS ALLOWED.

**SET 22**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM LOCK	L9070R X 05A	626	SCHLAGE
1 EA	WALL STOP	409	630	ROCKWOOD

**SET 23**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	OFFICE LOCK	L9050R X 05A	626	SCHLAGE
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON

**SET 24**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET	SEALS	5050C	BLK	NGP

**SET 25**

EA	HINGES	AS SPECIFIED	652	HAGER
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1 EA	CLASSROOM LOCK	L9070R X 05A	626	SCHLAGE
1 EA	CLOSER W/HOLD	4040XP-H	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 26**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STORE LOCK	L9466R X 05A	626	SCHLAGE
1 EA	WALL STOP	409	630	ROCKWOOD

**SET 27**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	EXIT DEVICE	99L-NL	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
1 EA	CLOSER	4040XP X CUSH	689	LCN
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

\*\*PROVIDE KNURLED LEVER.

**SET 28**

2 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
2 EA	PUSH/PULL	BF15847	630	HAGER
2 EA	CLOSER	4040XP	689	LCN
1 EA	AUTO OPERATOR	4640	689	LCN
1 EA	ACTUATOR	8310-856T	630	LCN
1 EA	FLUSH MOUNT BOX	8310-868F	---	LCN
1 EA	DUAL ACTUATOR	8310-855	---	LCN
1 EA	FLUSH MOUNT BOX	8310-867F	---	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

**SET 29**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STORE LOCK	L9466R X 05A	626	SCHLAGE
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON

**SET 30**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 05A	626	SCHLAGE
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON

**SET 31**

2 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
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2 EA	EXIT DEVICE	9927L-BE-F X LBR	626	VON DUPRIN
2 EA	CLOSER	4040XP	689	LCN
2 EA	MAG HOLD OPEN	SEM7850	689	LCN
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 EA	ASTRAGAL	5070CL	AL	NGP
1 SET	SEALS	5050C	BLK	NGP

**SET 32**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 805A	626	SCHLAGE
1 EA	CLOSER	4040XP X CUSH	689	LCN
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 33**

2 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
2 EA	EXIT DEVICE	99L-F	626	VON DUPRIN
3 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	KEYED MULLION	KR9954	SP28	VON DUPRIN
2 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET	ASTRAGAL	115N	AL	NGP
1 SET	SEALS	5050C	BLK	NGP

**SET 34**

2 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
1 EA	EXIT DEVICE	9975L-BE-F	626	VON DUPRIN
1 EA	EXIT DEVICE	9947L-BE-F	626	VON DUPRIN
2 EA	CLOSER	4040XP	689	LCN
2 EA	MAG HOLD OPEN	SEM7850	689	LCN
1 EA	CARRY BAR	CB1	626	IVES
1 EA	COORDINATOR	COR X FL	628	IVES
2 EA	MNTG BRACKET	AS REQUIRED	628	IVES
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 EA	ASTRAGAL	BY DOOR SUPPLIER		
1 SET	SEALS	5050C	BLK	NGP

**SET 35**

2 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
2 EA	EXIT DEVICE	3347EO	626	VON DUPRIN
2 EA	PULLS	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP
2 EA	POSITION SWITCH	1078	GRY	GE

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

### **SET 36**

1 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
1 EA	EXIT DEVICE	33A-EO	626	VON DUPRIN
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP
1 EA	POSITION SWITCH	1078	GRY	GE

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

### **SET 37**

1 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
1 EA	EXIT DEVICE	99NL-OP	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
1 EA	PULL	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 SET	WEATHERSTRIP	160S	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP
1 EA	POSITION SWITCH	1078	GRY	GE

### **SET 38**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM LOCK	L9070R X 05A	626	SCHLAGE
1 EA	OVERHEAD STOP	GJ90 SERIES	630	GLYNN-JOHNSON

### **SET 39**

1 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
1 EA	EXIT DEVICE	33A-NL-OP	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
1 EA	PULL	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	ELECTRIC STRIKE	6300	630	VON DUPRIN
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP
1 EA	POSITION SWITCH	1078	GRY	GE

\*\*CARD READERS BY OTHERS.

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

OPERATION: DOOR NORMALLY LOCKED AND CLOSED. VALID CARD READ ACTIVATES ELECTRIC STRIKE TO ALLOW ENTRY. AT DISCRETION OF FACILITY, ELECTRIC STRIKE CAN BE PROGRAMMED TO BE RELEASED TO ALLOW ENTRY. FREE EGRESS IS ALWAYS ALLOWED.

#### **SET 40**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 805A	626	SCHLAGE
2 EA	CLOSER	4040XP X CUSH	689	LCN
1 SET	AUTO FLUSHBOLTS	FB31P/FB41P	630	IVES
1 EA	DUSTPROOF STRIKE	DP2	626	IVES
1 EA	COORDINATOR	COR X FL	628	IVES
2 EA	MNTG BRACKETS	AS REQUIRED	628	IVES
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 EA	ASTRAGAL	5070CL	AL	NGP
1 SET	SEALS	5050C	BLK	NGP

#### **SET 41**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 805A	626	SCHLAGE
2 EA	CLOSER	4040XP	689	LCN
2 EA	WALL STOP	409	630	ROCKWOOD
1 SET	AUTO FLUSHBOLTS	FB31P/FB41P	630	IVES
1 EA	DUSTPROOF STRIKE	DP2	626	IVES
1 EA	COORDINATOR	COR X FL	628	IVES
2 EA	MNTG BRACKETS	AS REQUIRED	628	IVES
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD

\*\*ALLOW 180 DEGREE SWING.

#### **SET 42**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	EXIT DEVICE	99L-2SI	626	VON DUPRIN
2 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
1 EA	CLOSER W/HOLD	4040XP-H	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

#### **SET 43**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM LOCK	L9070R X 05A	626	SCHLAGE
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON

**SET 44**

1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
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\*\*BALANCE OF HARDWARE BY DOOR SUPPLIER.

**SET 45**

EA	HINGES	AS SPECIFIED	630	HAGER
1 EA	STOREROOM LOCK	L9080R X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 SET	WEATHERSTRIP	160S	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP

**SET 46**

1 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
1 EA	EXIT DEVICE	99NL-OP	626	VON DUPRIN
1 EA	CYLINDER	AS REQUIRED	626	VON DUPRIN
1 EA	PULL	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET	WEATHERSTRIP	160S	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP

**SET 47**

EA	HINGES	AS SPECIFIED	630	HAGER
1 EA	ENTRANCE LOCK	L9453R X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 SET	WEATHERSTRIP	160S	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP

**SET 48**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	PRIVACY	L9040 X 05A X L283-722	626	SCHLAGE
1 EA	WALL STOP	409	630	ROCKWOOD

**SET 49**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 05A	626	SCHLAGE
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON

1	SET AUTO FLUSHBOLTS	FB31P	630	IVES
1	EA DUSTPROOF STRIKE	DP1	626	IVES
1	EA COORDINATOR	COR X FL	628	IVES
2	EA MNTG BRACKETS	AS REQUIRED	628	IVES
2	EA KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1	SET ASTRAGAL	115N	AL	NGP
1	SET SEALS	5050C	BLK	NGP
1	EA THRESHOLD	8425	AL	NGP

**SET 50**

1	EA CLASSROOM LOCK	ND70RD X ATH	626	SCHLAGE
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\*\*BALANCE OF HARDWARE TO BE PROVIDED BY DOOR SUPPLIER.

**SET 51**

1	EA CONTINUOUS HINGE	780-112HD X EPT PREP	CLR	HAGER
1	EA CONTINUOUS HINGE	780-112HD	CLR	HAGER
1	EA POWER TRANSFER	EPT-10	SP28	VON DUPRIN
1	EA EXIT DEVICE	QEL3347A-NL-OP	626	VON DUPRIN
1	EA EXIT DEVICE	3347EO	626	VON DUPRIN
1	EA I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2	EA PULLS	BF158	630	ROCKWOOD
2	EA CLOSER	4040XP	689	LCN
2	EA OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1	EA POWER SUPPLY	PS902 X 900-2RS	GRY	VON DUPRIN
2	EA SWEEP	200N	AL	NGP
1	EA THRESHOLD	8425	AL	NGP
2	EA POSITION SWITCH	1078	GRY	GE

\*\*CARD READER BY OTHERS.

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

OPERATION: DOORS NORMALLY LOCKED AND CLOSED. VALID CARD READ ACTIVATES ELECTRIC LATCH RETRACTION EXIT DEVICE TO ALLOW ENTRY. AT DISCRETION OF FACILITY, ELECTRIC LATCH RETRACTION EXIT DEVICE CAN BE PROGRAMMED TO BE RETRACTED TO ALLOW ENTRY. FREE EGRESS IS ALWAYS ALLOWED.

**SET 52**

	EA HINGES	AS SPECIFIED	652	HAGER
1	EA CLASSROOM SEC	L9071R X 05A	626	SCHLAGE
1	EA SENTRONIC CLOSER	4040SE	689	LCN
1	EA MAG HOLD OPEN	SEM7850	689	LCN
1	EA OVERHEAD STOP	GJ100SE	630	GLYNN-JOHNSON
1	SET SEALS	5050C	BLK	NGP

**SET 53**

2 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
2 EA	EXIT DEVICE	9927L-F X LBR	626	VON DUPRIN
2 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	CLOSER	4040XP	689	LCN
2 EA	MAG HOLD OPEN	SEM7850	689	LCN
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 EA	ASTRAGAL	5070CL	AL	NGP
1	SET SEALS	5050C	BLK	NGP

\*\*PROVIDE EXTENSIONS AS NEEDED FOR THE MAGNETIC HOLD OPENS.

**SET 54**

2 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
1 EA	EXIT DEVICE	3347A-NL-OP	626	VON DUPRIN
1 EA	EXIT DEVICE	3347EO	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULLS	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD HOLDER	GJ100 SERIES	630	GLYNN-JOHNSON

**SET 55**

2 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
2 EA	EXIT DEVICE	3347EO	626	VON DUPRIN
2 EA	PULLS	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD HOLDER	GJ100H SERIES	630	GLYNN-JOHNSON

**SET 56**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	EXIT DEVICE	99L-2SI	626	VON DUPRIN
2 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD HOLDER	GJ100H SERIES	630	GLYNN-JOHNSON
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 57**

1 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
1 EA	EXIT DEVICE	33A-NL-OP-WH	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
1 EA	PULL	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP



\*\*SEALS BY DOOR SUPPLIER.

**SET 58**

2 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
1 EA	EXIT DEVICE	3347A-NL-OP-WH	626	VON DUPRIN
1 EA	EXIT DEVICE	3347EO-WH	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULLS	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD HOLDER	GJ100 SERIES	630	GLYNN-JOHNSON
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP

\*\*SEALS BY DOOR SUPPLIER.

**SET 59**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM SEC	L9071R X 05A	626	SCHLAGE
1 EA	WALL STOP	409	630	ROCKWOOD

**SET 60**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 805A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

\*\*FIELD VERIFY EXISTING FRAME PREPS AND PROVIDE HINGES AND STRIKE TO MATCH EXISTING PREP.

**SET 61**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

\*\*FIELD VERIFY EXISTING FRAME PREPS AND PROVIDE HINGES AND STRIKE TO MATCH EXISTING PREP.

**SET 62**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	OFFICE LOCK	L9050R X 05A	626	SCHLAGE
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 SET	AUTO FLUSHBOLTS	FB41P	630	IVES

1 EA	DUSTPROOF STRIKE	DP2	626	IVES
1 EA	COORDINATOR	COR X FL	628	IVES
2 EA	MNTG BRACKETS	AS REQUIRED	628	IVES
1 SET	ASTRAGAL	115N	AL	NGP
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD

**SET 63**

2 EA	CONTINUOUS HINGE	780-226HD	CLR	HAGER
1 EA	EXIT DEVICE	CDSI9927L-NL X LBR	626	VON DUPRIN
1 EA	EXIT DEVICE	CDSI9927L-DT X LBR	626	VON DUPRIN
3 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	CLOSER W/HOLD	4040XP-H	689	LCN
2 EA	WALL STOP	409	630	ROCKWOOD
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
1 EA	ASTRAGAL	116N	AL	NGP
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

**SET 64**

2 EA	CONTINUOUS HINGE	780-112HD X EPT PREP	CLR	HAGER
2 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN
1 EA	EXIT DEVICE	RX-QEL3347NL-OP	626	VON DUPRIN
1 EA	EXIT DEVICE	RX-QEL3347EO	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULLS	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	AUTO OPERATOR	4640	689	LCN
1 EA	ACTUATOR	8310-856T	630	LCN
1 EA	FLUSH MOUNT BOX	8310-868F	---	LCN
1 EA	WEATHER RING	8310-800	---	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	POWER SUPPLY	PS904 X 900-2RS	GRY	VON DUPRIN
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP
2 EA	POSITION SWITCH	1078	GRY	GE

\*\*CARD READER BY OTHERS.

\*\*OPENING TIED INTO SECURITY SYSTEM.

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

OPERATION: DOORS NORMALLY LOCKED AND CLOSED. VALID CARD READ ACTIVATES ELECTRIC LATCH RETRACTION EXIT DEVICE AND ACTIVATES OUTSIDE AUTOMATIC OPERATOR ACUTATOR TO ALLOW ENTRY. WHEN DOORS ARE PROGRAMMED TO BE OPENED BY SECURITY SYSTEM, THE OUTSIDE AUTOMATIC OPERATOR ACTUATOR IS TO BE ACTIVE. INSIDE AUTOMATIC OPERATOR ACTUATOR

IS ALWAYS ACTIVE (PRESSING BUTTON ACTIVATES ELECTRIC LATCH RETRACTION EXIT DEVICE AND ACTIVATES AUTOMATIC OPERATOR). FREE EGRESS IS ALWAYS ALLOWED.

**SET 65**

2 EA	CONTINUOUS HINGE	780-112HD X EPT PREP	CLR	HAGER
2 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN
2 EA	EXIT DEVICE	RX-QEL3347EO	626	VON DUPRIN
2 EA	PULLS	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	POWER SUPPLY	PS904 X 900-2RS	GRY	VON DUPRIN
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP
2 EA	POSITION SWITCH	1078	GRY	GE

\*\*OPENING TIED INTO SECURITY SYSTEM.

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

OPERATION: DOORS NORMALLY LOCKED AND CLOSED. SECURITY SYSTEM CONTROLS WHEN ELECTRIC LATCH RETRACTION EXIT DEVICES ARE ACTIVATES FOR ENTRY. FREE EGRESS IS ALWAYS ALLOWED.

**SET 66**

2 EA	CONTINUOUS HINGE	780-112HD X EPT PREP	CLR	HAGER
2 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN
2 EA	EXIT DEVICE	RX-QEL3347EO	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULLS	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	POWER SUPPLY	PS904 X 900-2RS	GRY	VON DUPRIN
2 EA	POSITION SWITCH	1078	GRY	GE

\*\*DOORS TIED INTO SECURITY SYSTEM.

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

OPERATION: DOORS NORMALLY LOCKED AND CLOSED. DOORS CAN BE PROGRAMMED TO HAVE ELECTRIC LATCH RETRACTION EXIT DEVICES ACTIVATES AS DESIRED FOR ENTRY. FREE EGRESS IS ALWAYS ALLOWED.

**SET 67**

2 EA	CONTINUOUS HINGE	780-112HD X EPT PREP	CLR	HAGER
2 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN

1 EA	EXIT DEVICE	RX-QEL3347NL-OP	626	VON DUPRIN
1 EA	EXIT DEVICE	RX-QEL3347EO	626	VON DUPRIN
2 EA	PULLS	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	AUTO OPERATOR	4640	689	LCN
1 EA	ACTUATOR	8310-856T	630	LCN
1 EA	FLUSH MOUNT BOX	8310-868F	---	LCN
1 EA	DUAL ACTUATOR	8310-855	---	LCN
1 EA	FLUSH MOUNT BOX	8310-867F	---	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	POWER SUPPLY	PS904 X 900-2RS	GRY	VON DUPRIN
2 EA	POSITION SWITCH	1078	GRY	GE

\*\*CARD READER BY OTHERS.

\*\*OPENING TIED INTO SECURITY SYSTEM.

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

OPERATION: DOORS NORMALLY LOCKED AND CLOSED. VALID CARD READ ACTIVATES ELECTRIC LATCH RETRACTION EXIT DEVICE AND ACTIVATES PULL SIDE AUTOMATIC OPERATOR ACTATOR TO ALLOW ENTRY. WHEN DOORS ARE PROGRAMMED TO BE OPENED BY SECURITY SYSTEM, THE PULL SIDE AUTOMATIC OPERATOR ACTUATOR IS TO BE ACTIVE. PUSH SIDE AUTOMATIC OPERATOR ACTUATOR IS ALWAYS ACTIVE (PRESSING BUTTON ACTIVATES ELECTRIC LATCH RETRACTION EXIT DEVICE AND ACTIVATES AUTOMATIC OPERATOR). FREE EGRESS IS ALWAYS ALLOWED.

### **SET 68**

2 EA	CONTINUOUS HINGE	780-112HD X EPT PREP	CLR	HAGER
2 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN
2 EA	EXIT DEVICE	RX-QEL3347EO	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULLS	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	REMOTE RELEASE	PB660-PB	AL	SCHLAGE
1 EA	POWER SUPPLY	PS904 X 900-2RS	GRY	VON DUPRIN
2 EA	POSITION SWITCH	1078	GRY	GE

\*\*REMOTE RELEASE BY OTHERS.

\*\*DOORS TIED INTO SECURITY SYSTEM.

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

OPERATION: DOORS NORMALLY LOCKED AND CLOSED. REMOTE RELEASE ACTIVATES ELECTRIC LATCH RETRACTION EXIT DEVICES TO ALLOW ENTRY. DOORS CAN BE PROGRAMMED TO HAVE ELECTRIC LATCH RETRACTION EXIT DEVICES ACTIVATES AS DESIRED FOR ENTRY. FREE EGRESS IS ALWAYS ALLOWED.

**SET 69**

2 EA	CONTINUOUS HINGE	780-226HD	CLR	HAGER
1 EA	EXIT DEVICE	CDSI9947WDC-NL-OP X LBR	626	VON DUPRIN
1 EA	EXIT DEVICE	CDSI9947WDC-EO-LBR	626	VON DUPRIN
3 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULL	RM2312-36"	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD HOLDER	GJ100H	630	GLYNN-JOHNSON
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 SET	ASTRAGAL	115N	AL	NGP
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

**SET 70**

2 EA	CONTINUOUS HINGE	780-226HD	CLR	HAGER
2 EA	DUMMY PUSH	330	626	VON DUPRIN
2 EA	PULL	RM2312-36"	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD HOLDER	GJ100H	630	GLYNN-JOHNSON
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 EA	ASTRAGAL	116N	AL	NGP
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

**SET 71**

1 EA	CONTINUOUS HINGE	780-226HD	CLR	HAGER
1 EA	DUMMY PUSH	330	626	VON DUPRIN
1 EA	PULL	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD HOLDER	GJ100H	630	GLYNN-JOHNSON
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

**SET 72**

EA	HINGES	AS SPECIFIED	652	HAGER
2 EA	PUSH	70C	626	ROCKWOOD
2 EA	PULL	BF111 X 70C	630	ROCKWOOD
2 EA	CLOSER	4040XP-H	689	LCN

2 EA	OVERHEAD STOP	GJ100	630	GLYNN-JOHNSON
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 EA	ASTRAGAL	115N	AL	NGP
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

\*\*PROVIDE LCN SPECIAL TEMPLATE ST1630 X 4040XP-18TJ AS REQUIRED FOR CLOSER AND OVERHEAD STOP INSTALLATION.

#### **SET 74**

1 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
1 EA	PUSH	70C X C/C	630	ROCKWOOD
1 EA	PULL	BF111 X 70C C/C	630	ROCKWOOD
1 EA	DEADBOLT	L463R	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

\*\*PROVIDE LCN SPECIAL TEMPLATE ST1630 X 4040XP-18TJ AS REQUIRED FOR CLOSER AND OVERHEAD STOP INSTALLATION.

#### **SET 75**

2 EA	CONTINUOUS HINGE	780-226HD	CLR	HAGER
2 EA	DUMMY PUSH	330	626	VON DUPRIN
2 EA	PULL	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD HOLDER	GJ100H	630	GLYNN-JOHNSON
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 SET	ASTRAGAL	115N	AL	NGP
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

#### **SET 76**

2 EA	CONTINUOUS HINGE	780-226HD	CLR	HAGER
2 EA	EXIT DEVICE	9927L X LBR	626	VON DUPRIN
2 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD HOLDER	GJ100H SERIES	630	GLYNN-JOHNSON
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 SET	ASTRAGAL	115N	AL	NGP
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

**SET 77**

1 EA	CONTINUOUS HINGE	780-226HD	CLR	HAGER
1 EA	EXIT DEVICE	CDSI99NL-OP	626	VON DUPRIN
2 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
1 EA	PULL	BF158	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD HOLDER	GJ100H	630	GLYNN-JOHNSON
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

**SET 78**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM LOCK	L9070R X 05A	626	SCHLAGE
2 EA	CLOSER W/HOLD	4040XP-H	689	LCN
2 EA	WALL STOP	409	630	ROCKWOOD
1 SET	AUTO FLUSHBOLTS	FB31P/FB41P	630	IVES
1 EA	DUSTPROOF STRIKE	DP2	626	IVES
1 EA	COORDINATOR	COR X FL	628	IVES
2 EA	MNTG BRACKETS	AS REQUIRED	628	IVES
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 SET	ASTRAGAL	115N	AL	NGP
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

\*\*ALLOW 180 DEGREE SWING.

\*\*PROVIDE LOCK EXTENDED EQUALLY.

**SET 79**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM SEC	L9071R X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

\*\*PROVIDE LCN SPECIAL TEMPLATE ST1630 X 4040XP-18TJ AS REQUIRED FOR CLOSER AND OVERHEAD STOP INSTALLATION.

**SET 80**

EA HINGES	AS SPECIFIED	652	HAGER
1 EA PRIVACY	L9040 X 05A X L283-722	626	SCHLAGE
1 EA CLOSER	4040XP	689	LCN
1 EA WALL STOP	409	630	ROCKWOOD
1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET SEALS	5020C	BLK	NGP
1 SET GASKET	104N	AL	NGP
1 EA SWEEP	200N	AL	NGP
1 EA THRESHOLD	412	AL	NGP

\*\*PROVIDE LOCK EXTENDED EQUALLY.

**SET 81**

1 EA CONTINUOUS HINGE	780-226HD	CLR	HAGER
1 EA PUSH	70C X C/C	630	ROCKWOOD
1 EA PULL	BF111 X 70C C/C	630	ROCKWOOD
1 EA DEADBOLT	L463R	626	SCHLAGE
1 EA CLOSER	4040XP	689	LCN
1 EA OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET SEALS	5020C	BLK	NGP
1 SET GASKET	104N	AL	NGP
1 EA SWEEP	200N	AL	NGP
1 EA THRESHOLD	412	AL	NGP

\*\*PROVIDE LOCK EXTENDED EQUALLY.

**SET 82**

EA HINGES	AS SPECIFIED	652	HAGER
1 EA ELECTRIC HINGE	AS SPECIFIED X ETW-8	652	HAGER
1 EA ELECTRIC LOCK	RX-L9092EL X 05A	626	SCHLAGE
1 EA I/C CYLINDER	AS REQUIRED	626	SCHLAGE
1 EA CLOSER	4040XP	689	LCN
1 EA WALL STOP	409	630	ROCKWOOD
1 EA LOCKING SWITCH	CB402A	630	SDC
1 EA EMERGENCY	CB702B	RED	SDC
1 EA POWER SUPPLY	631RF X UR1	GRY	SDC
1 SET SEALS	5020C	BLK	NGP
1 SET GASKET	104N	AL	NGP
1 EA SWEEP	200N	AL	NGP
1 EA THRESHOLD	412	AL	NGP
1 EA POSITION SWITCH	1078	GRY	GE

\*\*PROVIDE LOCK EXTENDED EQUALLY.

**SET 83**

EA HINGES	AS SPECIFIED	652	HAGER
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1 EA	ELECTRIC HINGE	AS SPECIFIED X ETW-8	652	HAGER
1 EA	ELECTRIC LOCK	RX-L9092EL X 05A	626	SCHLAGE
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	EMERGENCY	CB702B	RED	SDC
1 EA	POSITION SWITCH	1078	GRY	GE

\*\*THIS SET IS TO SHARE POWER SUPPLY AND LOCKING SWITCH IN SET 82.

#### **SET 84**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM SEC	L9071R X 05A	626	SCHLAGE
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

\*\*PROVIDE LOCK EXTENDED EQUALLY.

#### **SET 85**

2 EA	CONTINUOUS HINGE	780-112HD	CLR	HAGER
1 EA	EXIT DEVICE	3347NL-OP	626	VON DUPRIN
1 EA	EXIT DEVICE	3347EO	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULLS	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	8425	AL	NGP

\*\*PROVIDE DROP PLATE AND BLADE STOP SPACERS AS REQUIRED FOR CLOSER INSTALLATION.

\*\*SEALS BY DOOR SUPPLIER.

#### **SET 86**

2 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
2 EA	EXIT DEVICE	9927L-BE X LBR	626	VON DUPRIN
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD HOLDER	GJ100H SERIES	630	GLYNN-JOHNSON
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD

#### **SET 87**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	EXIT DEVICE	QEL99L-NL-F	626	VON DUPRIN
2 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE

1 EA CLOSER	4040XP	689	LCN
1 EA OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 EA POWER SUPPLY	PS902 X 900-2RS-FA	GRY	VON DUPRIN
1 EA KEY SWITCH	653-04	630	SCHLAGE
1 SET SEALS	5020C	BLK	NGP
1 SET GASKET	104N	AL	NGP
1 EA SWEEP	200N	AL	NGP
1 EA THRESHOLD	412	AL	NGP

\*\*KEYSWITCH CONTROLS ELECTRIC LATCH RETRACTION (LOCKING/UNLOCKING). UPON FIRE ALARM DOOR WILL LATCH AND LOCK REGARDLESS OF KEY SWITCH SETTING.

### **SET 88**

EA HINGES	AS SPECIFIED	652	HAGER
1 EA PUSH	70C	630	ROCKWOOD
1 EA PULL	BF111	630	ROCKWOOD
1 EA CLOSER	4040XP	689	LCN
1 EA OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET SEALS	5020C	BLK	NGP
1 SET GASKET	104N	AL	NGP
1 EA SWEEP	200N	AL	NGP
1 EA THRESHOLD	412	AL	NGP

\*\*PROVIDE LCN SPECIAL TEMPLATE ST1630 X 4040XP-18TJ AS REQUIRED FOR CLOSER AND OVERHEAD STOP INSTALLATION.

### **SET 89**

1 EA CONTINUOUS HINGE	780-226HD	CLR	HAGER
1 EA DUMMY PUSH	330	626	VON DUPRIN
1 EA PULL	RM2312-36"	630	ROCKWOOD
1 EA CLOSER	4040XP	689	LCN
1 EA OVERHEAD HOLDER	GJ100H	630	GLYNN-JOHNSON
1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET SEALS	5020C	BLK	NGP
1 SET GASKET	104N	AL	NGP
1 EA SWEEP	200N	AL	NGP
1 EA THRESHOLD	412	AL	NGP

### **SET 90**

1 EA CONTINUOUS HINGE	780-226HD	CLR	HAGER
1 EA EXIT DEVICE	CDSI99NL-OP	626	VON DUPRIN
2 EA I/C CYLINDER	AS REQUIRED	626	SCHLAGE
1 EA PULL	RM2312-36"	630	ROCKWOOD
1 EA CLOSER	4040XP	689	LCN
1 EA OVERHEAD HOLDER	GJ100H	630	GLYNN-JOHNSON

1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET SEALS	5020C	BLK	NGP
1 SET GASKET	104N	AL	NGP
1 EA SWEEP	200N	AL	NGP
1 EA THRESHOLD	412	AL	NGP

**SET 91**

1 EA CONTINUOUS HINGE	780-226HD	CLR	HAGER
1 EA PUSH	70C	630	ROCKWOOD
1 EA PULL	BF111 X 70C	630	ROCKWOOD
1 EA CLOSER	4040XP	689	LCN
1 EA OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET SEALS	5020C	BLK	NGP
1 SET GASKET	104N	AL	NGP
1 EA SWEEP	200N	AL	NGP
1 EA THRESHOLD	412	AL	NGP

\*\*PROVIDE LCN SPECIAL TEMPLATE ST1630 X 4040XP-18TJ AS REQUIRED FOR CLOSER AND OVERHEAD STOP INSTALLATION.

**SET 92**

2 EA CONTINUOUS HINGE	780-224HD	CLR	HAGER
2 EA EXIT DEVICE	9927L-BE-F X LBR	626	VON DUPRIN
2 EA CLOSER	4040XP	689	LCN
2 EA WALL STOP	409	630	ROCKWOOD
2 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 EA ASTRAGAL	5070CL	AL	NGP
1 SET SEALS	5050C	BLK	NGP

**SET 93**

EA HINGES	AS SPECIFIED	652	HAGER
1 EA CLASSROOM LOCK	L9070 X 05A	626	SCHLAGE
1 EA CLOSER	4040XP	689	LCN
1 EA OVERHEAD TSOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET SEALS	5020C	BLK	NGP
1 SET GASKET	104N	AL	NGP
1 EA SWEEP	200N	AL	NGP
1 EA THRESHOLD	412	AL	NGP

\*\*PROVIDE LOCK EXTENDED EQUALLY.

**SET 94**

EA HINGES	AS SPECIFIED	652	HAGER
1 EA PASSAGE	L9010 X 05A	626	SCHLAGE
1 EA OVERHEAD STOP	GJ90 SERIES	630	GLYNN-JOHNSON

**SET 95**

1 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
1 EA	EXIT DEVICE	99L-BE-F	626	VON DUPRIN
1 EA	CLOSER	4040XP	689	LCN
1 EA	MAG HOLD OPEN	SEM7850	689	LCN
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET	SEALS	5050C	BLK	NGP

**SET 96**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM LOCK	L9070 X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

\*\*PROVIDE LOCK EXTENDED EQUALLY.

**SET 97**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	PASSAGE	L9010 X 05A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

\*\*PROVIDE LOCK EXTENDED EQUALLY.

**SET 98**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 805A	626	SCHLAGE
1 EA	CLOSER	4040XP	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

\*\*PROVIDE LOCK EXTENDED EQUALLY.

**SET 99**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	CLASSROOM LOCK	L9070R X 05A	626	SCHLAGE
2 EA	CLOSER	4040XP X SHCUSH	689	LCN
1 SET	AUTO FLUSHBOLTS	FB31P/FB41P	630	IVES
1 EA	DUSTPROOF STRIKE	DP2	626	IVES
1 EA	COORDINATOR	COR X FL	628	IVES
2 EA	MNTG BRACKETS	AS REQUIRED	628	IVES
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD

**SET 100**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	PASSAGE	L9010 X 05A	626	SCHLAGE
2 EA	CLOSER	4040XP X SHCUSH	689	LCN
1 SET	AUTO FLUSHBOLTS	FB31P/FB41P	630	IVES
1 EA	DUSTPROOF STRIKE	DP2	626	IVES
1 EA	COORDINATOR	COR X FL	628	IVES
2 EA	MNTG BRACKETS	AS REQUIRED	628	IVES
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD

**SET 101**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	STOREROOM LOCK	L9080R X 05A	626	SCHLAGE
2 EA	CLOSER	4040XP X CUSH	689	LCN
1 SET	AUTO FLUSHBOLTS	FB31P/FB41P	630	IVES
1 EA	DUSTPROOF STRIKE	DP2	626	IVES
1 EA	COORDINATOR	COR X FL	628	IVES
2 EA	MNTG BRACKETS	AS REQUIRED	628	IVES
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD

**SET 102**

2 EA	CONTINUOUS HINGE	780-224HD	CLR	HAGER
2 EA	EXIT DEVICE	9927L-BE-F X LBR	626	VON DUPRIN
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
2 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD
1 EA	ASTRAGAL	5070CL	AL	NGP
1 SET	SEALS	5050C	BLK	NGP

**SET 103**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	PUSH	70C	630	ROCKWOOD
1 EA	PULL	BF111	630	ROCKWOOD
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 104**

EA HINGES	AS SPECIFIED	652	HAGER
1 EA PUSH	70C	630	ROCKWOOD
1 EA PULL	BF111	630	ROCKWOOD
1 EA CLOSER	4040XP	689	LCN
1 EA WALL STOP	409	630	ROCKWOOD
1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 105**

1 EA CONTINUOUS HINGE	780-224HD	CLR	HAGER
1 EA PUSH	70C X C/C	630	ROCKWOOD
1 EA PULL	BF111 X 70C C/C	630	ROCKWOOD
1 EA DEADBOLT	L463R	626	SCHLAGE
1 EA CLOSER	4040XP	689	LCN
1 EA WALL STOP	409	630	ROCKWOOD
1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 106**

EA HINGES	AS SPECIFIED	652	HAGER
1 EA STOREROOM LOCK	L9080R X 05A	626	SCHLAGE
2 EA CLOSER	4040XP	689	LCN
2 EA OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 SET AUTO FLUSHBOLTS	FB31P/FB41P	630	IVES
1 EA DUSTPROOF STRIKE	DP2	626	IVES
1 EA COORDINATOR	COR X FL	628	IVES
2 EA KICKPLATE	10" X 1" LDW	630	ROCKWOOD

\*\*PROVIDE LCN SPECIAL TEMPLATE ST1630 X 4040XP-18TJ AS REQUIRED FOR CLOSER AND OVERHEAD STOP INSTALLATION.

**SET 107**

EA HINGES	AS SPECIFIED	652	HAGER
1 EA STOREROOM LOCK	L9080R X 805A	626	SCHLAGE
1 EA CLOSER	4040XP	689	LCN
1 EA OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA KICKPLATE	10" X 2" LDW	630	ROCKWOOD

\*\*PROVIDE LCN SPECIAL TEMPLATE ST1630 X 4040XP-18TJ AS REQUIRED FOR CLOSER AND OVERHEAD STOP INSTALLATION.

**SET 108**

2 EA CONTINUOUS HINGE	780-226HD	CLR	HAGER
2 EA PUSH	70C	626	ROCKWOOD
2 EA PULL	BF111 X 70C	630	ROCKWOOD
2 EA CLOSER	4040XP	689	LCN

2 EA	OVERHEAD HOLDER	GJ100H	630	GLYNN-JOHNSON
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD
1 EA	ASTRAGAL	115N	AL	NGP
1 SET	SEALS	5020C	BLK	NGP
1 SET	GASKET	104N	AL	NGP
2 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	412	AL	NGP

**SET 109**

2 EA	CONTINUOUS HINGE	780-224HD X EPT PREP	CLR	HAGER
2 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN
2 EA	EXIT DEVICE	QEL9947WDC-NL-OP-LBR	626	VON DUPRIN
1 EA	EXIT DEVICE	QEL9947WDC-EO-LBR	626	VON DUPRIN
1 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	PULL	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
1 EA	POWER SUPPLY	PS904 X 900-4RL	GRY	VON DUPRIN
1 EA	DESK SWITCH	DTMA-2	AL	SDC
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD

**OPERATION: ELECTRIC LATCH RETRACTION EXIT DEVICES ARE TIED INTO THE DESK SWITCH WHICH CONTROLS THE LOCKING/UNLOCKING OF DOORS. WHEN LATCHES ARE RETRACTED, DOORS WILL OPERATE AS PUSH PULL. UPON LOCKDOWN BUTTON INTIATION OR AFTER HOURS USE, LATCHES WILL PROJECT AND DOORS WILL BE LOCKED AND CLOSED WITH ENTRY BY KEY ONLY. FREE EGRESS IS ALWAYS ALLOWED.**

**SET 110**

2 EA	CONTINUOUS HINGE	780-224HD X EPT PREP	CLR	HAGER
2 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN
2 EA	EXIT DEVICE	QEL9947WDC-EO-LBR	626	VON DUPRIN
2 EA	PULL	BF158	630	ROCKWOOD
2 EA	CLOSER	4040XP	689	LCN
2 EA	OVERHEAD STOP	GJ100 SERIES	630	GLYNN-JOHNSON
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD

**\*\*DOORS TIED INTO KEY SWITCH SPECIFIED IN SET 109.**

**OPERATION: ELECTRIC LATCH RETRACTION EXIT DEVICES ARE TIED INTO THE DESK SWITCH WHICH CONTROLS THE LOCKING/UNLOCKING OF DOORS. WHEN LATCHES ARE RETRACTED, DOORS WILL OPERATE AS PUSH PULL. UPON LOCKDOWN BUTTON INTIATION OR AFTER HOURS USE, LATCHES WILL PROJECT AND DOORS WILL BE LOCKED AND CLOSED WITH ENTRY BY KEY ONLY. FREE EGRESS IS ALWAYS ALLOWED.**

**SET 111**

EA	HINGES	AS SPECIFIED	652	HAGER
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1 EA	CLASSROOM LOCK	L9070 X 05A	626	SCHLAGE
2 EA	CLOSER W/HOLD	4040XP-H	689	LCN
2 EA	FLOOR STOP	440	626	ROCKWOOD
1 SET	AUTO FLUSHBOLTS	FB31P/FB41P	630	IVES
1 EA	DUSTPROOF STRIKE	DP2	626	IVES
1 EA	COORDINATOR	COR X FL	628	IVES
2 EA	MNTG BRACKETS	AS REQUIRED	628	IVES
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD

**\*\*ALLOW 180 DEGREE SWING.**

**SET 112**

EA	HINGES	AS SPECIFIED	652	HAGER
1 EA	OFFICE LOCK	L9050R X 05A	626	SCHLAGE
1 EA	CLOSER W/HOLD	4040XP-H	689	LCN
1 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KICKPLATE	10" X 2" LDW	630	ROCKWOOD

**SET 113**

2 EA	CONTINUOUS HINGE	780-224HD X EPT PREP	CLR	HAGER
2 EA	POWER TRANSFER	EPT-10	SP28	VON DUPRIN
2 EA	EXIT DEVICE	9927L X E996L X LBR	626	VON DUPRIN
3 EA	I/C CYLINDER	AS REQUIRED	626	SCHLAGE
2 EA	CLOSER	4040XP	689	LCN
2 EA	WALL STOP	409	630	ROCKWOOD
1 EA	KEY SWITCH	653-04	630	SCHLAGE
2 EA	KICKPLATE	10" X 1" LDW	630	ROCKWOOD

**OPERATION: KEYSWITCH CONTROLS FAIL SAFE ELECTRIC LOCKING TRIM (LOCKING/UNLOCKING). UPON FIRE ALARM DOOR WILL UNLOCK REGARDLESS OF KEY SWITCH SETTING. FREE EGRESS IS ALWAYS ALLOWED.**