

LATHAN ASSOCIATES • ARCHITECTS, P.C.
1550 WOODS OF RIVERCHASE DRIVE • SUITE 200 • HOOVER, ALABAMA 35244
205-988-9112 • FAX 205-988-9196

**ADDENDUM NO. 4
NEW WINTERBORO HIGH SCHOOL
PACKAGE B: BUILDING CONSTRUCTION
Architect Job No. 17-06B
Bid Number 1662
BC# 2017353
December 12, 2017**

BIDS DUE:

Thursday, December 14, 2017 until
1:00 p.m. local time for Base Bid and
2:00 p.m. local time for Alternates
Talladega County Board of Education
106 West South Street Talladega, AL 35160

The Plans and Specifications are here by amended. The following supersedes all contrary and/or conflicting information and is made part of the contract documents.

DRAWINGS

1. Reference Sheet S4.1.1 - See attached SSD4.1
Adjusted elevation 1/S4.1.1 to make jambs concrete in lieu of CMU.
2. Reference Sheet S4.2 - See attached SSD 4.2
Adjusted elevation 2/S4.1.1 to make jambs concrete in lieu of CMU.
3. Reference Sheet S4.1.2 - See attached SSD 4.3
Adjusted elevation 1/S4.1.2 to make jambs concrete in lieu of CMU.
4. Reference Sheet S1.1 - See attached SSD 4.4
Adjusted general notes GN.2.A.1 and GN.2.A.10 for building code edition change.
5. Reference Sheet S1.7 - See attached SSD 4.5
Adjusted components and cladding table for flat roof to account for building code change.
6. Reference Sheet S1.7 - See attached SSD 4.6
Adjusted components and cladding table for parapet to account for building code change.

7. Reference Sheet S1.7 - See attached **SSD 4.7**
Adjusted components and cladding table for sloped roof to account for building code change.
8. Reference Sheet S2.13 - See attached **SSD 4.8 and SSD4.9**
Adjusted steel truss design to account for building code change.
9. Reference Sheet M3.3 - See Revised "OSA C1" as indicated on **MSD 4.1**.
10. Reference Sheet M3.4 - See Revised "DAC D1" as indicated on **MSD 4.2**.

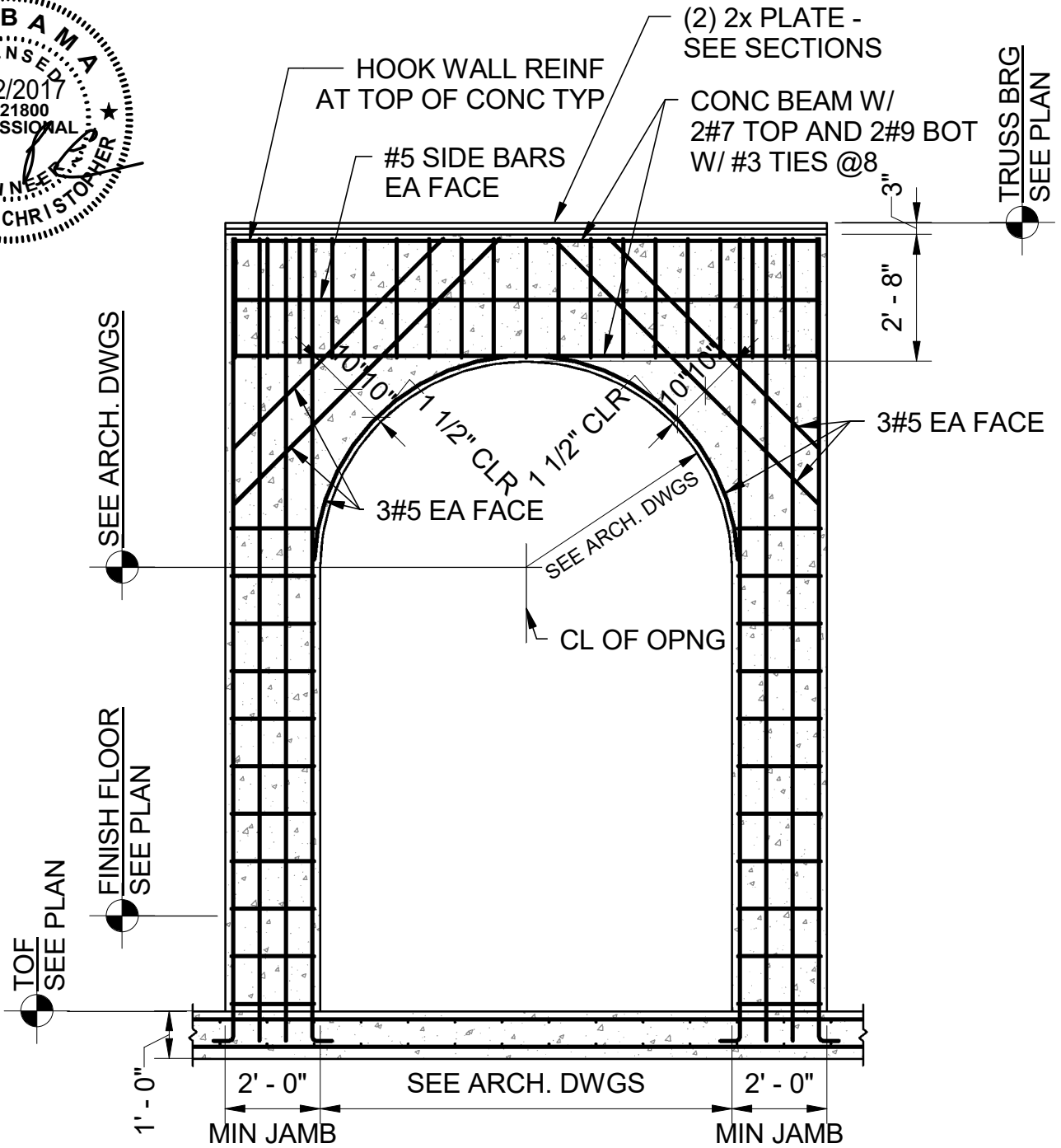
CLARIFICATIONS

1. All existing erosion control shown from the previous package indicates items that will be in place and will need to be taken over and maintained by the building contractor. Include a cost to maintain these items in your bid.
2. Reference Sheets M1.1 – M1.11:
 - a. Reference Ductless Split System Unit Schedules. Add Trane and Carrier to approved Equals.
 - b. Reference VRF Indoor, Outdoor, Branch Controller Schedules. Add Trane and Carrier to approved equals.
 - c. Reference Part "E" Packaged Heat Pump Equipment Schedule. Revise schedule for RTU-E1 and RTU-E2 to Trane basis of design model OANE420. Performance shall be as follows: total capacity 374.7 MBH, sensible capacity 326.3 mbh at 17 deg. F ambient air dry bulb. Electrical shall be as 460-3-60, 1 digital scroll compressor at 17.9 RLA, two scroll compressors at 16 RLA each, 2 supply fans at 5 HP each, four outdoor fans at 2.1 FLA each, MCA 110.9 amps, maximum fuse size 125 amps. Approved equals shall be Carrier, American Standard, Lennox, and Trane.
3. Reference Sheet M3.3:
 - a. Add location for outdoor unit OSA-C1 as per attached supplemental drawings MSD 4.1. Coordinate unit location with electrical sub-contractor.
4. Reference Sheet M3.4:
 - a. Add location for outdoor unit DSA-D1 as per attached supplemental drawings MSD 4.2. Coordinate unit location with electrical sub-contractor.
5. Reference Sheet E4.1.3 – Partial Floor Plan Area C – Power:
Add electrical circuit for mechanical unit OSA-C1(O.D.). Circuit shall be fed from 20/3 breaker in panel PPCH2. Serve unit with 30/3 RT Fused disconnect and feed with 3#12 & 1#12[G] THWN in 1/2" conduit. Unit is located next to unit HRU-C1, see mechanical supplemental sheet **MSD-4.1** for exact location.
6. At curtainwall system 1-3 provide mullion members at each vertical, horizontal, and radial division in the glass. Applied muntins are not acceptable.

APPROVED MANUFACTURERS

The following manufacturers have submitted data for prior approval and have been approved by our office, **contingent upon the stipulation that their products must meet or exceed the contract specifications.**

<u>Product</u>		<u>Manufacturer</u>
Resilient Rubber Athletic Flooring	Galaxy Rubber Tiles	Robbins Sports Flooring
Job No. 17-06B		Page 2 of 2

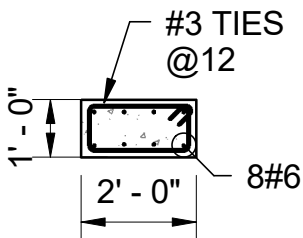


1 Elevation

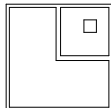
SSD 4.1 $5/16" = 1'-0"$

NOTES:

1. EXTERIOR VENEER TO BE SELF-SUPPORTING AT ARCH.
2. CMU WALL ADJACENT TO ARCHED OPENING IS NOT SHOWN FOR CLARITY. SEE PLANS FOR LOAD BEARING WALL LOCATIONS.

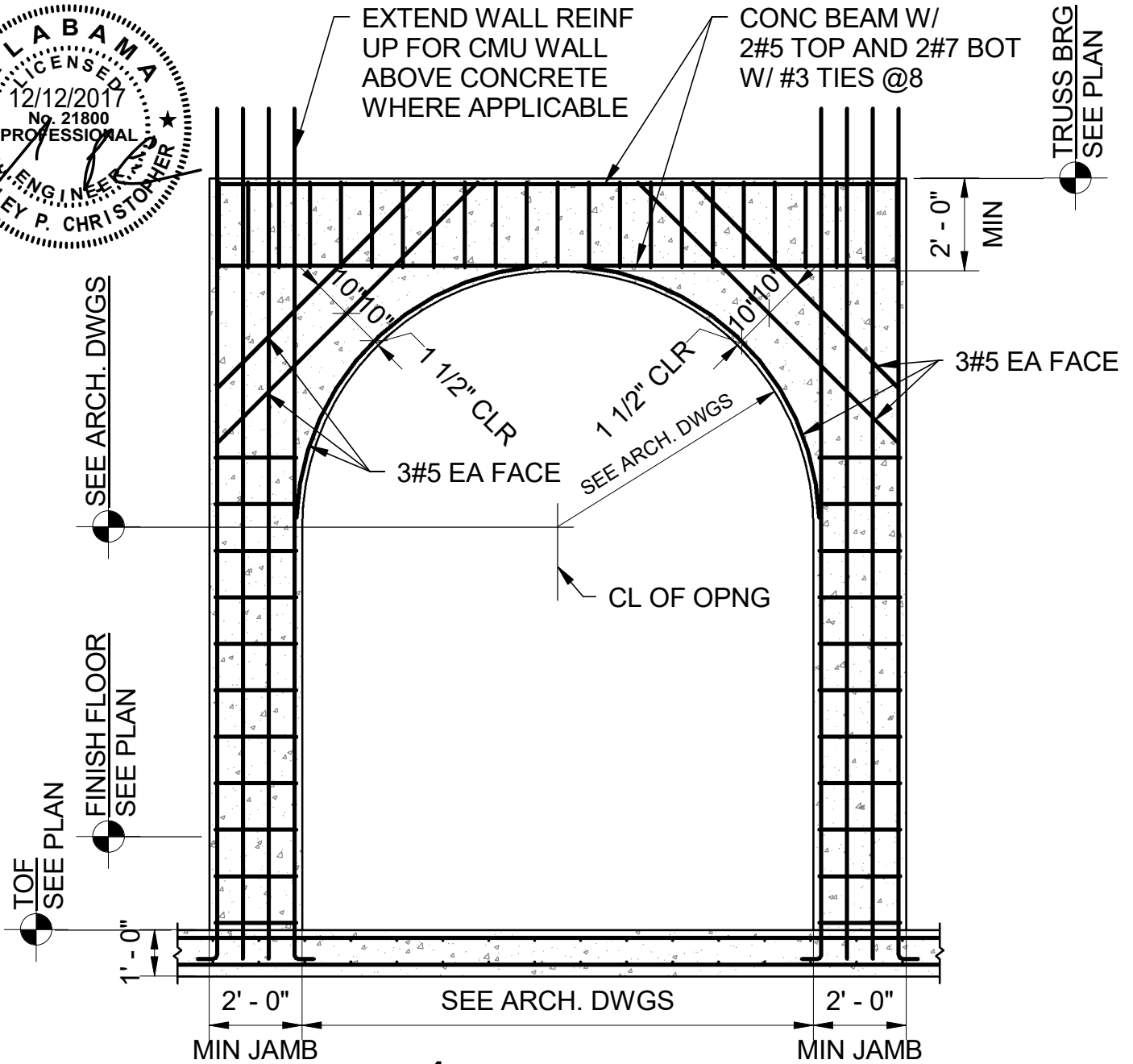


Column Detail



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 HOOPER, ALABAMA 35244
 PHONE: 205 988-9112

PROJECT: NEW WINTERBORO HIGH SCHOOL PACKAGE B: BUILDING CONSTRUCTION	PROJECT NO. 17-06B	REFERENCE: ADD. NO.4
ARCHITECTURAL SUPPLEMENTAL DRAWING REFERENCE ORIGINAL SHEET NO. S4.1.1	DATE: 12/12/17	SHEET NO. SSD 4.1 1 OF 9

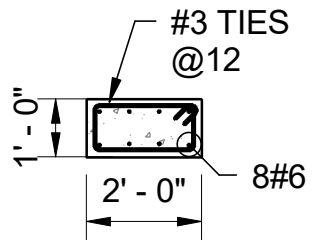


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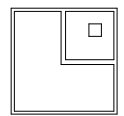
SSD 4.2 5/16" = 1'-0"

NOTES:

1. EXTERIOR VENEER TO BE SELF-SUPPORTING AT ARCH.
 2. CMU WALL ADJACENT TO ARCHED OPENING IS NOT SHOWN FOR CLARITY. SEE PLANS FOR LOAD BEARING WALL LOCATIONS.
 3. DOWEL CMU WALL ABOVE ARCHED CONCRETE OPENING TO CONCRETE BEAM.
- SEE SECTIONS FOR CMU WALL REINF SIZE AND SPACING.

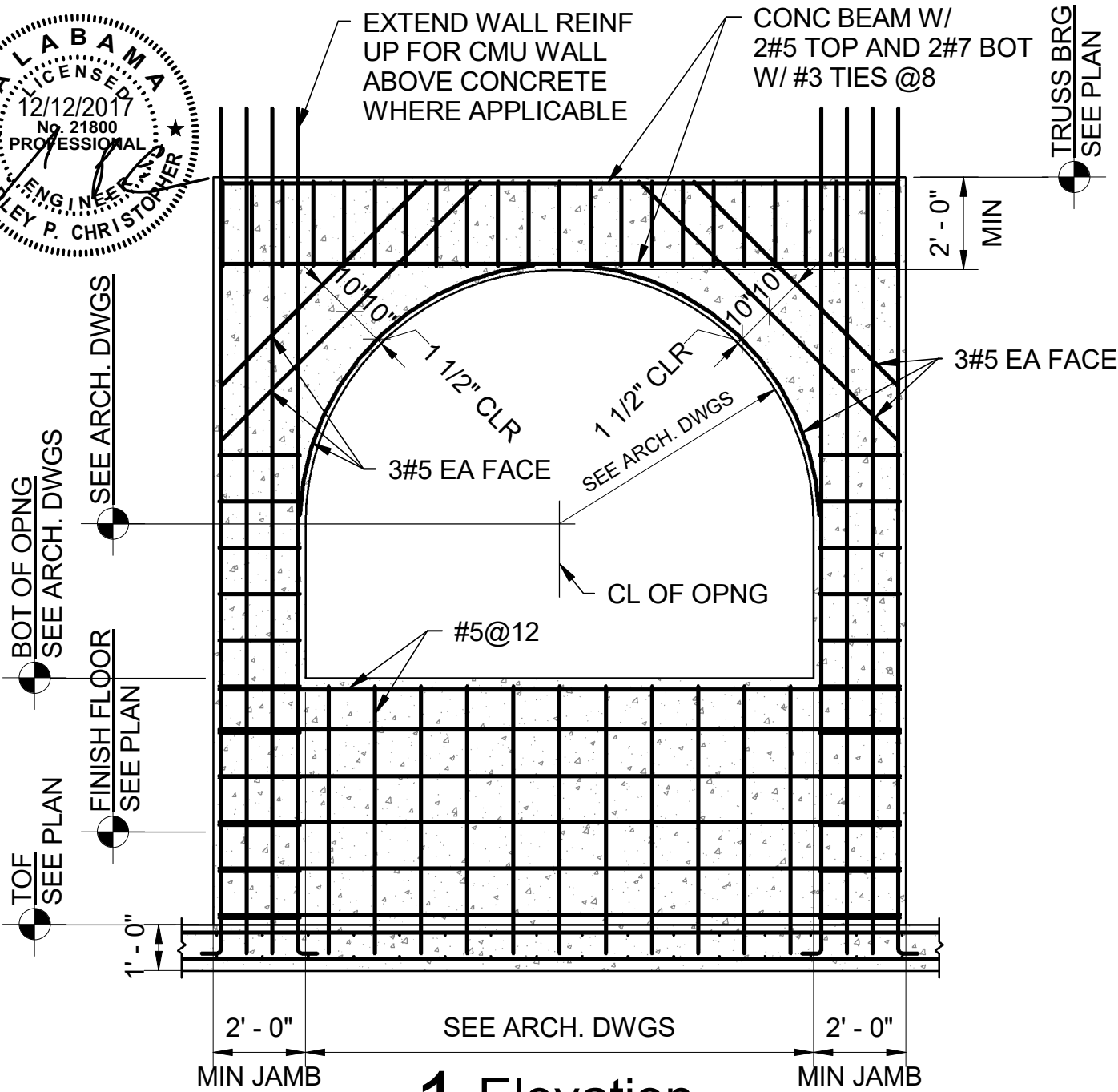
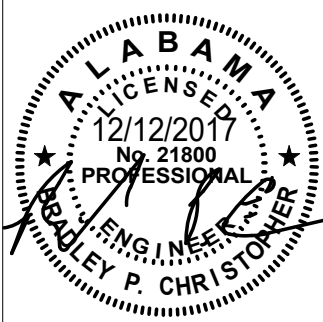


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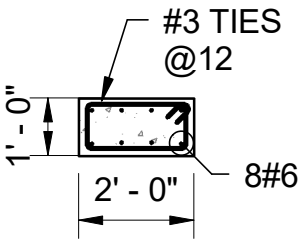
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ARCHITECTURAL SUPPLEMENTAL DRAWING REFERENCE ORIGINAL SHEET NO. S4.1.1	DATE: 12/12/17	SHEET NO. SSD 4.2 2 OF 9



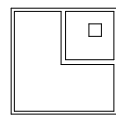
1 Elevation

SSD 4.3 5/16" = 1'-0"

- NOTES:
1. EXTERIOR VENEER TO BE SELF-SUPPORTING AT ARCH.
 2. CMU WALL ADJACENT TO ARCHED OPENING IS NOT SHOWN FOR CLARITY. SEE PLANS FOR LOAD BEARING WALL LOCATIONS.
 3. DOWEL CMU WALL ABOVE ARCHED CONCRETE OPENING TO CONCRETE BEAM.
- SEE SECTIONS FOR CMU WALL REINF SIZE AND SPACING.



Column Detail



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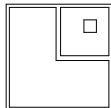
GN. GENERAL

GN.2 DESIGN CRITERIA:

A. CODES AND SPECIFICATIONS:

- 1. GENERAL BUILDING CODE:
INTERNATIONAL BUILDING CODE, 2015 EDITION.

- 10. TORNADO STORM SHELTER SAFE SPACE:
ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION
OF STORM SHELTERS, ICC 500-2014.



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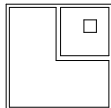
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ARCHITECTURAL SUPPLEMENTAL DRAWING REFERENCE ORIGINAL SHEET NO. S1.1	DATE: 12/12/17	SHEET NO. SSD 4.4 4 OF 9



Components and Cladding Wind Pressures for Flat Roof

ZONE	EFFECTIVE WIND AREA (SQ FT)	MAX +VE PRESSURE (PSF)	MAX -VE PRESSURE (PSF)
ZONE 1 ROOF INTERIOR ZONE	10	9.7	-23.8
	20	9.1	-23.2
	50	8.3	-22.4
	≥100	7.7	-21.8
ZONE 2 ROOF EDGE ZONE	10	9.7	-39.9
	20	9.1	-35.6
	50	8.3	-30.0
	≥100	7.7	-25.8
ZONE 3 ROOF CORNER ZONE	10	9.7	-60.0
	20	9.1	-49.7
	50	8.3	-36.1
	≥100	7.7	-25.8
ZONE 4 WALL INTERIOR ZONE	10	21.8	-23.6
	20	20.8	-22.6
	50	19.5	-21.3
	100	18.6	-20.4
	≥500	16.3	-18.1
ZONE 5 WALL EDGE ZONE	10	21.8	-29.0
	20	20.8	-27.1
	50	19.5	-24.5
	100	18.6	-22.6
	≥500	16.3	-18.1
WIDTH OF EDGE STRIP, a=3'-0"			
INTERNAL PRESSURE COEFFICIENT = ±0.18			

NOTE:
FOR CALCULATION OF NET PRESSURES, USE DL=3 PSF.
THIS LOAD SHOULD BE USED IN CONJUNCTION WITH
ASCE 7-10 LOAD COMBINATIONS.



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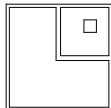
ARCHITECTURAL SUPPLEMENTAL DRAWING
REFERENCE ORIGINAL SHEET NO. **S1.7**

DATE:
12/12/17

SHEET NO.
SSD 4.5



Components and Cladding Parapet Wind Pressures		
ZONE	EFFECTIVE WIND AREA (SQ FT)	MAX +VE PRESSURE (PSF)
ZONE 4 WALL INTERIOR	10	21.8
	20	20.8
	50	19.5
ZONE 5 WALL EDGE	10	21.8
	20	20.8
	50	19.5



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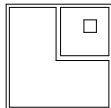
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ARCHITECTURAL SUPPLEMENTAL DRAWING REFERENCE ORIGINAL SHEET NO. S1.7	DATE: 12/12/17	SHEET NO. SSD 4.6 6 OF 9



Components and Cladding Wind Pressures for Sloped Roof

ZONE	EFFECTIVE WIND AREA (SQ FT)	MAX +VE PRESSURE (PSF)	MAX -VE PRESSURE (PSF)
ZONE 1 ROOF INTERIOR ZONE	10	13.7	-21.8
	20	12.5	-21.1
	50	10.9	-20.3
	≥100	9.7	-19.7
ZONE 2 ROOF EDGE ZONE	10	13.7	-37.9
	20	12.5	-34.8
	50	10.9	-30.8
	≥100	9.7	-27.8
ZONE 3 ROOF CORNER ZONE	10	13.7	-56.0
	20	12.5	-52.4
	50	10.9	-47.6
	≥100	9.7	-43.9
ZONE 4 WALL INTERIOR ZONE	10	23.8	-25.8
	20	22.7	-24.7
	50	21.3	-23.3
	100	20.2	-22.2
	≥500	17.7	-19.7
ZONE 5 WALL EDGE ZONE	10	23.8	-31.8
	20	22.7	-29.7
	50	21.3	-26.9
	100	20.2	-24.7
	≥500	17.7	-19.7
WIDTH OF EDGE STRIP, a=8'-8"			
INTERNAL PRESSURE COEFFICIENT = ±0.18			

NOTE:
FOR CALCULATION OF NET PRESSURES, USE DL=2 PSF.
THIS LOAD SHOULD BE USED IN CONJUNCTION WITH
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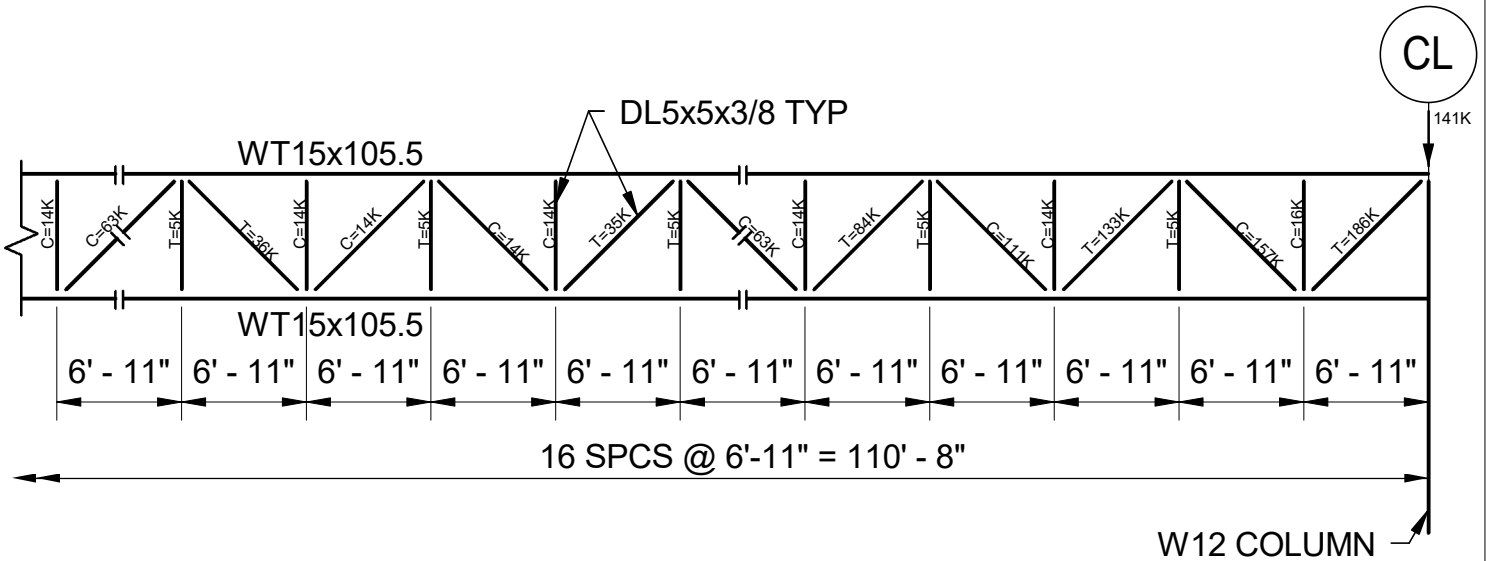
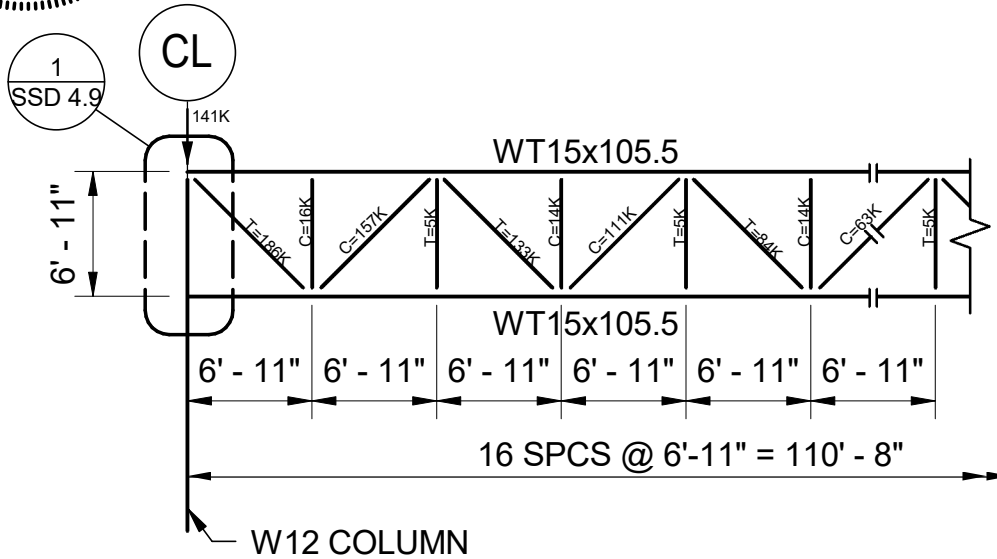
PROJECT NO.
17-06B

REFERENCE:
ADD. NO.4

ARCHITECTURAL SUPPLEMENTAL DRAWING
REFERENCE ORIGINAL SHEET NO. **S1.7**

DATE:
12/12/17

SHEET NO.
SSD 4.7

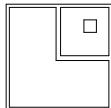


1 Truss T1 Diagram

SSD
4.8

3/32" = 1'-0"

1. PROVIDE 1 1/4" CAMBER AT MID-SPAN OF TRUSS.
2. DESIGN CHORD SPLICES FOR ±500K.



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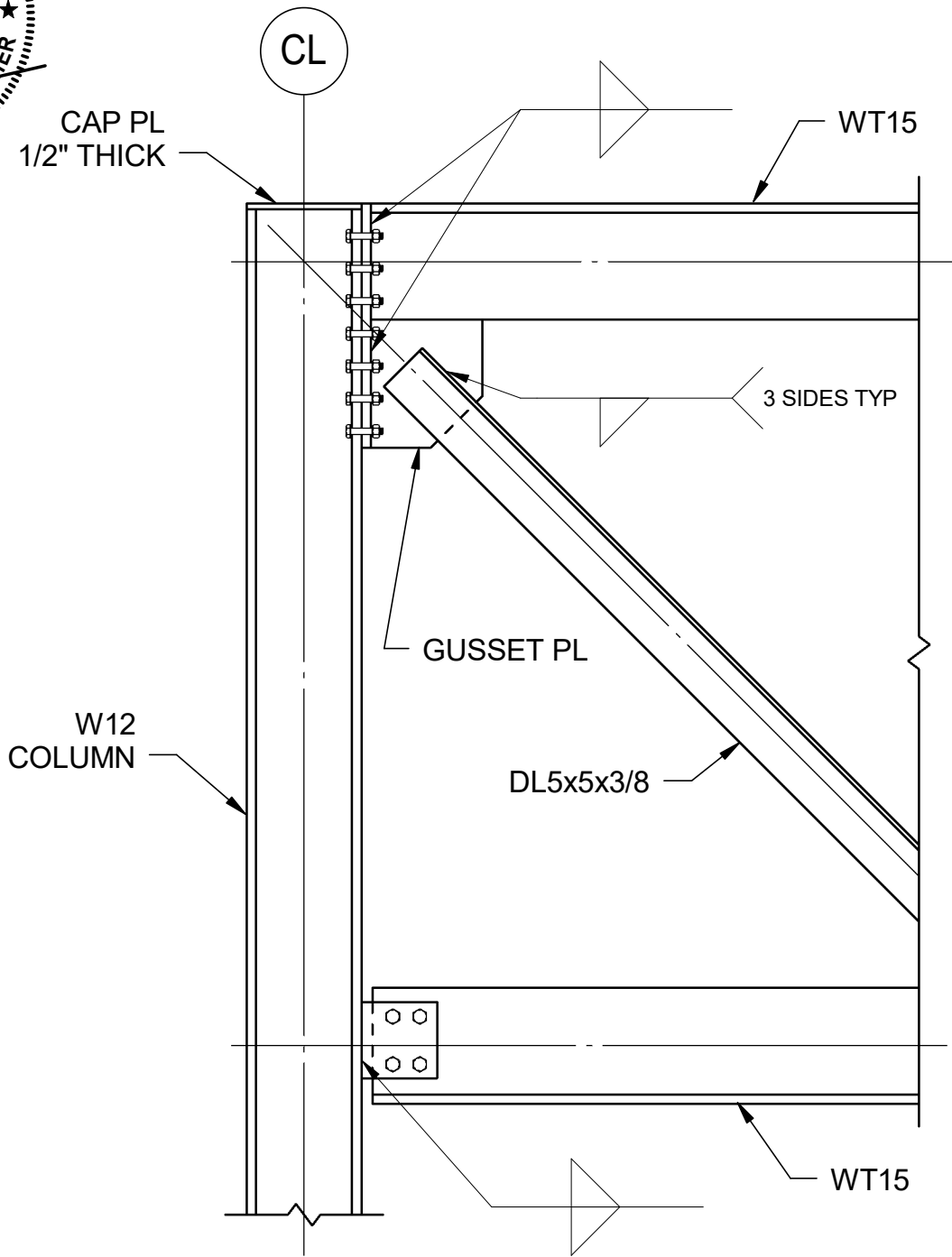
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17-06B

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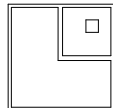
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REFERENCE ORIGINAL SHEET NO. **S2.13**

DATE:
12/12/17

SHEET NO.
SSD 4.8

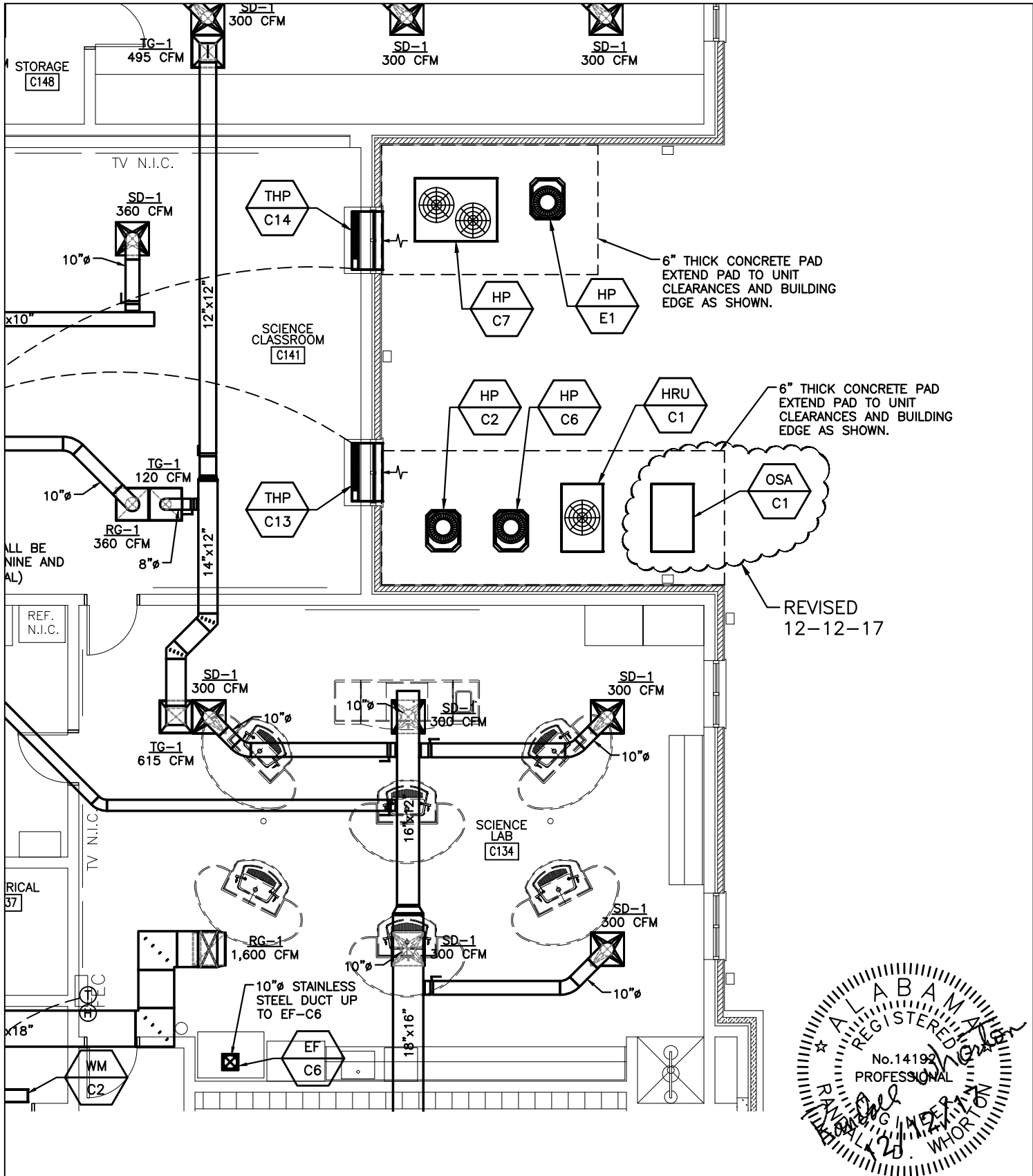


1 Detail
 SSD 4.9 3/4" = 1'-0"



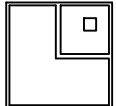
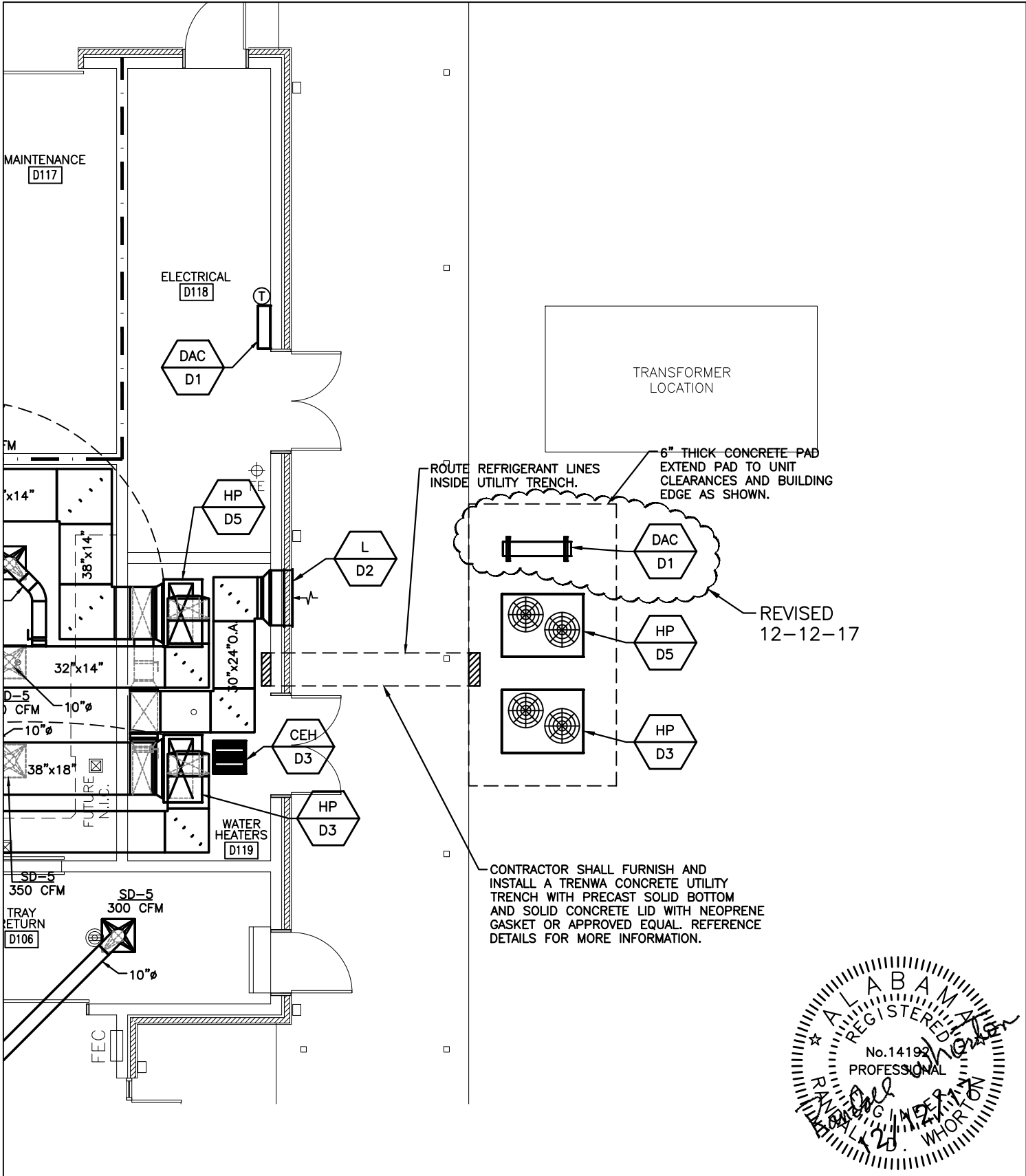
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MECHANICAL SUPPLEMENTAL DRAWING DRAWING REVISION TO ORIGINAL SHEET NO. M3.3	ASI DATE: 12.12.2017	MSD NO. MSD 4.1 1 OF 2



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