

November 1, 2013

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 313072- REBID- ADDENDUM NO. 1

ALLIANT ENERGY CENTER PAVILIONS

BIDS DUE: THURSDAY, NOVEMBER 21, 2013, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB. **Bidders must acknowledge all Addenda on the Bid Form.**

PLEASE MAKE THE FOLLOWING CHANGES:

- 1. Sheet C203**
Add new Sheet C203, issued with this Addendum.
- 2. Sheet S001**
Delete current Sheet S001; replace with new Sheet S001, issued with this Addendum.
- 3. Sheet S201A**
Delete current Sheet S201A; replace with new Sheet S201A, issued with this Addendum.
- 4. Sheet S201B**
Delete current Sheet S201B; replace with new Sheet S201B, issued with this Addendum.
- 5. Sheet S201C**
Delete current Sheet S201C; replace with new Sheet S201C, issued with this Addendum.
- 6. Sheet S201D**
Delete current Sheet S201D; replace with new Sheet S201D, issued with this Addendum.
- 7. Sheet S201E**
Delete current Sheet S201E; replace with new Sheet S201E, issued with this Addendum.
- 8. Sheet S201F**
Delete current Sheet S201F; replace with new Sheet S201F, issued with this Addendum.
- 9. Sheet S202**
Delete current Sheet S202; replace with new Sheet S202, issued with this Addendum.

Addendum No. 1

10. Sheet S202A

Delete current Sheet S202A; replace with new Sheet S202A, issued with this Addendum.

11. Sheet S203A

Delete current Sheet S203A; replace with new Sheet S203A, issued with this Addendum.

12. Sheet S211B

Delete current Sheet S211B; replace with new Sheet S211B, issued with this Addendum.

13. Sheet S211C

Delete current Sheet S211C; replace with new Sheet S211C, issued with this Addendum.

14. Sheet S800

Delete current Sheet S800; replace with new Sheet S800, issued with this Addendum.

15. Sheet S900

Delete current Sheet S900; replace with new Sheet S900, issued with this Addendum.

Enclosures:

Sheet C203
Sheet S001
Sheet S201A
Sheet S201B
Sheet S201C
Sheet S201D
Sheet S201E
Sheet S201F
Sheet S202
Sheet S202A
Sheet S203A
Sheet S211B
Sheet S211C
Sheet S800
Sheet S900

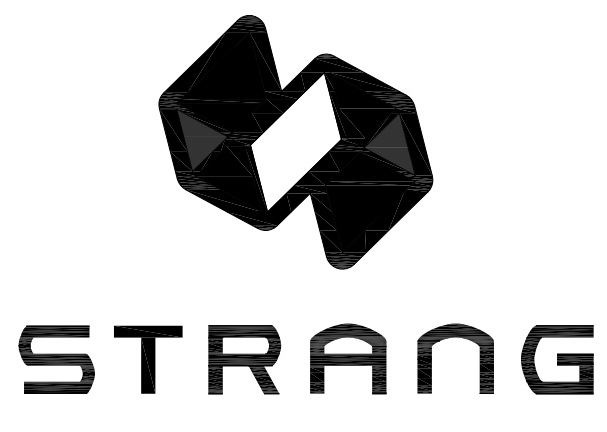
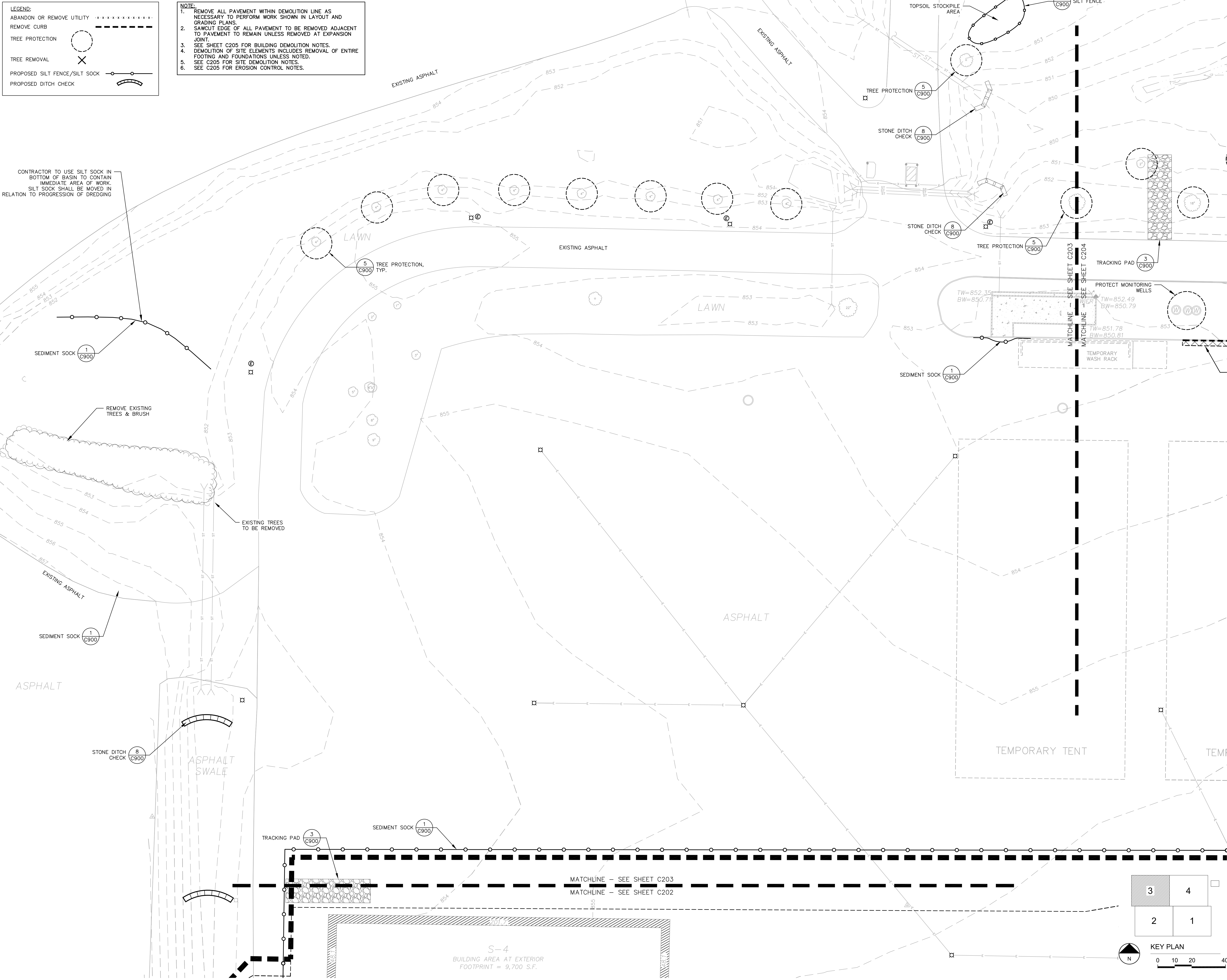
LEGEND:

ABANDON OR REMOVE UTILITY	-----
REMOVE CURB	-----
TREE PROTECTION	(○)
TREE REMOVAL	(X)
PROPOSED SILT FENCE/SILT SOCK	○-----○
PROPOSED DITCH CHECK	-----

NOTE:

- REMOVE ALL PAVEMENT WITHIN DEMOLITION LINE AS NECESSARY TO PERFORM WORK SHOWN IN LAYOUT AND GRADING PLANS.
- SAWCUT EDGE OF ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT TO REMAIN UNLESS REMOVED AT EXPANSION JOINT.
- SEE SHEET C205 FOR BUILDING DEMOLITION NOTES.
- DEMOLITION OF SITE ELEMENTS INCLUDES REMOVAL OF ENTIRE FOOTING AND FOUNDATIONS UNLESS NOTED.
- SEE C205 FOR SITE DEMOLITION NOTES.
- SEE C205 FOR EROSION CONTROL NOTES.

CONTRACTOR TO USE SILT SOCK IN BOTTOM OF BASIN TO CONTAIN IMMEDIATE AREA OF WORK. SILT SOCK SHALL BE MOVED IN RELATION TO PROGRESSION OF DREDGING



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

STRANG INC.
8413 MINERAL POINT ROAD
MADISON, WI 53705-4395
T/ 608.276.9200
F/ 608.276.9244

SAA DESIGN GROUP

SAA Design Group, Inc.
101 East Bodger Road
Madison, WI 53713
Ph. 608.255.0800
Fx. 608.255.7750
www.saa-madison.com

DRAWING SET	CD
COPYRIGHT	2013
FILE NAME	P-EC.DWG
REVISIONS	ADDENDUM #1 11/1/13

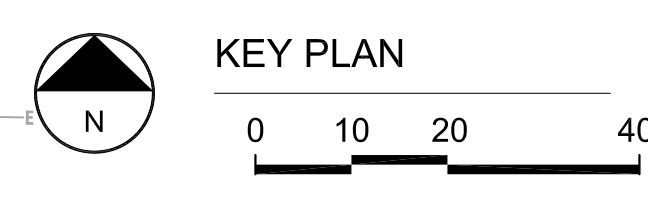
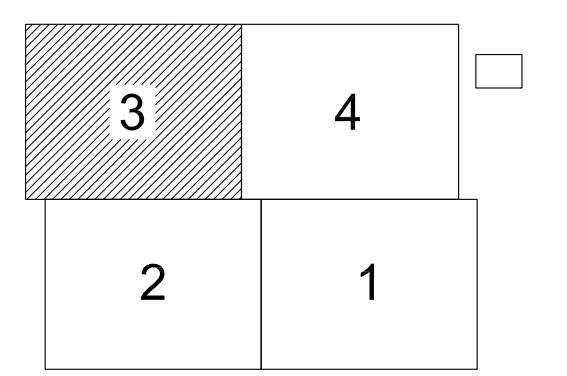
DRAWN	KM
CHECKED	JL
DATE	10-29-13
PROJECT NO.	2013027_02
PROJECT TITLE	

**ALLIANT ENERGY
CENTER PAVILIONS
BID # 313072**

1919 ALLIANT ENERGY CENTER WAY
MADISON, WI 53713

SHEET TITLE
**SITE DEMOLITION
& EROSION
CONTROL PLAN**

SHEET NO.
C203



KATE McDONALD 2013-10-28 3:11 PM P:\26000\0512_ALLIANT\EC\APP-EC.DWG

STRUCTURAL GENERAL NOTES & STRUCTURAL STANDARD ABBREVIATIONS

- THESE NOTES SUPPLEMENT THE SPECIFICATIONS. PROJECT SPECIFICATIONS CONTAIN ADDITIONAL INFORMATION AND CLARIFICATIONS. IN CASE OF CONFLICT BETWEEN PROJECT SPECIFICATIONS AND THESE NOTES, THESE NOTES SHALL GOVERN.
- GOVERNING BUILDING CODE: 2009 IBC AS AMENDED BY THE STATE OF WISCONSIN.
- BUILDING OCCUPANCY CATEGORY: **II**
- DESIGN LOADS
 - LIVE LOAD (MINIMUM) ----- 20 PSF
 - SUPERIMPOSED DEAD LOAD (PER MIL. BLDG MFR) ----- 20 PSF
 - SNOW LOAD (SNOW (P)) ----- 30 PSF
 - IMPORTANCE FACTOR (I) ----- 1.1
 - EXPOSURE FACTOR (C) SPECIFIED RECOMMENDATIONS AND REQUIREMENTS ----- 1.0
 - THERMAL FACTOR (C_t) FOR BUILDING 1 PREFUNCTION ----- 1.0
 - THERMAL FACTOR (C_t) FOR BUILDING 2 ----- 1.2
 - BASE ROOF SNOW LOAD FOR BUILDING 1 & PREFUNCTION ----- 25 PSF
 - BASE ROOF SNOW LOAD FOR BUILDING 2 ----- 21 PSF

- FOUNDATIONS AND EARTHWORK
 - REFERENCE PROJECT SOILS REPORT PREPARED BY G&G, INC. #C02018, 4/15/19 FOR GENERAL INFORMATION. COMMENTS AND REQUIREMENTS PERTAINING TO THE SITE, ALL ACTIVITIES CONCERNING PREPARATION AND VERIFICATION OF BEARING SOILS FOR SLAB-ON-GRADE AND FOOTINGS SHALL BE SUPERVISED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER.
 - SOIL DESIGN INFORMATION
 - ALLOWABLE SOIL BEARING PRESSURE ----- 3,000 PSF
 - SOIL UNIT WEIGHT ----- 100 PCF
 - MODULUS OF SUBGRADE REACTION ----- 15 PCF
 - COEFFICIENT OF FRICTION (SOIL/CONCRETE) ----- 0.40
 - REMOVE EXISTING SURFICIAL TOP SOIL AND VEGETATION FROM WITHIN THE BUILDING AREA AND A MINIMUM TEN FEET BEYOND. EXCAVATE MATERIAL TO PROPOSED SLAB-ON-GRADE SUBGRADE. PROTECT WITH A HEAVY RUBBER TIRED VEHICLE. SOILS WHICH HEAVE, PUMP, OR DO NOT READILY COMPACT SHALL BE EXCAVATED AND REPLACED WITH ENGINEERED FILL.
 - SUBGRADE PREPARATION FOR FOOTINGS SHALL CONSIST OF EXCAVATION TO REQUIRED ALLOWABLE BEARING CAPACITY SOILS AT OR NEAR DESIGN FOOTING ELEVATIONS. WHERE UNSUITABLE SOIL IS ENCOUNTERED AT NOMINAL FOOTING DEPTH SEE OVER EXCAVATION DETAIL.
 - ALL COMPACTION REQUIREMENTS REFER TO % OF MAXIMUM DRY DENSITY PER ASTM D1557 MODIFIED PROCTOR. GRANULAR STRUCTURAL FILL SHALL BE PLACED IN NO MORE THAN 8" LAYERS COMPACTED TO 95%. ALTERNATIVELY, FILL MAY CONSIST OF APPROVED COHESIVE SOILS PLACED IN NO MORE THAN 8" LAYERS COMPACTED TO 95% MOISTURE CONTENT. FILL MATERIAL AS REQUIRED TO OBTAIN PROPER COMPACTION. COHESIVE SOILS OR GRANULAR SOILS WITH A SIGNIFICANT PERCENT OF COHESION SHALL BE CONDITIONED TO WITHIN 3% OF OPTIMUM MOISTURE CONTENT AT COMPACTION.

- CONCRETE
 - MINIMUM 28 DAY COMPRESSIVE STRENGTH (F'_c)
 - FOOTINGS ----- 3,000 PSI
 - PIERS, WALLS ----- 3,000 PSI
 - SLAB-ON-GRADE (INTERIOR) ----- 3,500 PSI
 - SLAB-ON-GRADE (EXTERIOR) ----- 4,000 PSI
 - TOPPING ON PRECAST PLANK ----- 4,000 PSI
 - COVER ON MILD STEEL REINFORCEMENT (UNLESS NOTED OTHERWISE) ----- 1.5" CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ----- 3" CONCRETE EXPOSED TO EARTH OR WEATHER ----- 1.5" #5 BARS AND SMALLER ----- 2" #6 BARS AND LARGER ----- 2" CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND ----- 1" ALL DEFORMED MILD STEEL ----- 60,000 PSI HELDED WIRE FABRIC ----- 65,000 PSI
 - DESIGN OF CONCRETE BASED ON THE 2008 EDITION OF THE ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.

- STRUCTURAL STEEL
 - SHAPE AND YIELD STRENGTH (F_y)
 - WF AND HT (A992, F_y 65 KSI) ----- 50 KSI
 - WFL (A992, GRADE B, F_y 50 KSI) ----- 48 KSI
 - ANGLES, CHANNELS, PLATES (A36, F_y 50 KSI) ----- 36 KSI
 - CONNECTORS ----- F1554 WITH 5/16" SUPPLEMENT, GRADE 36
 - ANCHOR RODS ----- 3/4" OR 1/2" A325/F1955
 - WELDING ELECTRODES ----- E70
 - DESIGN OF STRUCTURAL STEEL BASED ON THE THIRTEENTH EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION.
 - ALL STEEL TO STEEL FRAMING SHALL USE STANDARD FRAMED CONNECTIONS - DOUBLE CLIP ANGLES WELDED TO BEAM AND BOLTED TO GIRDER OR COLUMN - UNLESS NOTED OTHERWISE. CONNECTIONS SHALL BE SYMMETRICAL ABOUT BEAM OR GIRDER. SINGLE PLATE SHEAR TABS MAY BE USED IN PLACE OF STANDARD FRAMED CONNECTIONS IF AND ONLY IF ONE OF THE FOLLOWING CONDITIONS IS MET:
 - CONNECTION IS SPECIFICALLY DETAILED AS A SINGLE PLATE SHEAR TAB OR CONNECTION OF BEAM TO ONE SIDE OF A GIRDER IS MATCHED BY SIMILAR CONNECTIONS AT SIMILAR SPACINGS ON THE OPPOSITE SIDE OF THE SAME GIRDER.
 - DESIGN ALL CONNECTIONS FOR LOADS GIVEN, OR AS FOLLOWS:
 - CONNECTION SHALL SUPPORT 55% OF THE TOTAL UNIFORM LOAD CAPACITY FOR THE GIVEN MEMBER, SPAN AND GRADE OF STEEL.

- GENERAL
 - PROPRIETARY EQUIPMENT DIMENSIONAL REQUIREMENTS SHALL BE VERIFIED WITH MANUFACTURER PRIOR TO FABRICATION AND ERECTION OF SUPPORTING STRUCTURE.
 - VERIFY OPENINGS THROUGH FLOOR AND WALLS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS. CHANGES IN SIZE, LOCATION OR NUMBER OF OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER. NOT ALL OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS.

MARK	FOOTING DIMENSIONS	FOOTING REINFORCEMENT (SEE NOTES 1 AND 2)	REMARKS
F40	4'-0"x4'-0"x12"	(4) #5 EA	
F50	5'-0"x5'-0"x13"	(5) #5 EA	
F50TB	5'-0"x5'-0"x24"	(5) #5 EA (14B)	
F60	6'-0"x6'-0"x15"	(6) #5 EA	
F70	7'-0"x7'-0"x17"	(7) #5 EA	
F80	8'-0"x8'-0"x19"	(8) #5 EA	
F80A	8'-0"x8'-0"x32"	(8) #5 EA B, (8) #6 EA T	NOTE 3
F80B	8'-0"x8'-0"x32"	(8) #5 EA B, (8) #6 EA T	NOTE 4
F90	9'-0"x9'-0"x22"	(9) #5 EA B	
F10A	10'-0"x10'-0"x36"	(10) #5 EA B, (9) #6 EA T	NOTE 4
F10A	10'-0"x10'-0"x36"	(10) #5 EA B, (9) #6 EA T	NOTE 5
F11	11'-0"x11'-0"x48"	(11) #5 EA B, (9) #6 EA T	NOTE 5
F1	5'-0"x5'-0"x13"	(5) #5 EA, (13) #5 SH	
F2	7'-0"x5'-0"x17"	(6) #5 EA, (14) #5 SH	
H20	2'-0"x1'-0"x0"CONT	NONE	
H24	2'-4"x1'-0"x0"CONT	NONE	
H26	2'-6"x1'-0"x0"CONT	NONE	
H28	2'-8"x1'-0"x0"CONT	NONE	
H30	3'-0"x1'-0"x0"CONT	NONE	

- NOTES:
- B = BOTTOM, T = TOP, LH = LONG WAY, SH = SHORT WAY, EA = EACH WAY.
 - ALL REINFORCEMENT BARS TO BE BOTTOM BARS UNLESS NOTED OTHERWISE.
 - (B) #6 UPLIFT BENT BARS EACH WAY TOP. SEE DETAIL 14/S800.
 - (B) #6 UPLIFT BENT BARS EACH WAY TOP. SEE DETAIL 14/S800.
 - (B) #6 UPLIFT BENT BARS EACH WAY TOP. SEE DETAIL 14/S800.

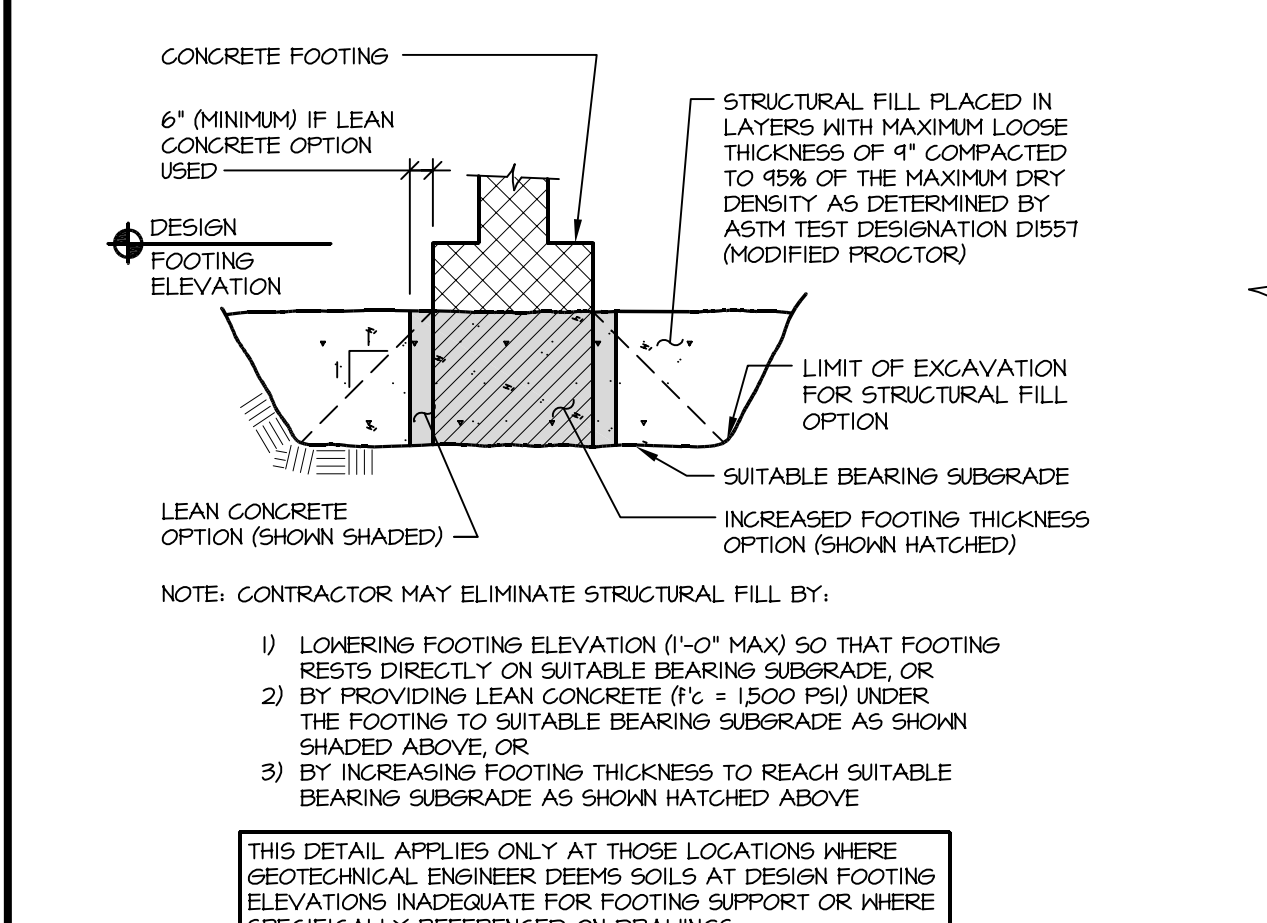
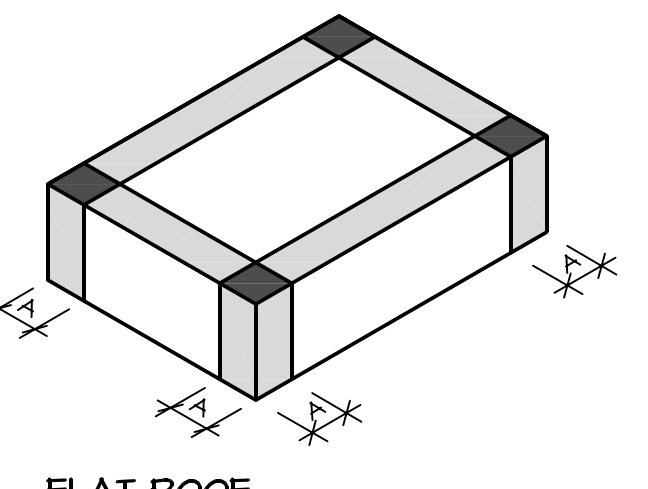
WIND PRESSURE ON COMPONENTS AND CLADDING (C&C)

ZONE	EFFECTIVE AREA OF COMP OR CLADDING (SF)	WIND PRESSURE (PSF)		ZONE	EFFECTIVE AREA OF COMP OR CLADDING (SF)	WIND PRESSURE (PSF)	
		POSITIVE (INWARD)	NEGATIVE (OUTWARD)			POSITIVE (INWARD)	NEGATIVE (OUTWARD)
1	10 OR LESS	10.1	N/A	4	10 OR LESS	25.0	27.1
1	50	8.7	N/A	4	50	22.3	24.5
1	100 OR GREATER	8.1	N/A	4	100 OR GREATER	21.2	23.3
2	10 OR LESS	10.1	N/A	5	10 OR LESS	25.0	33.4
2	50	8.7	N/A	5	50	22.3	29.3
2	100 OR GREATER	8.1	N/A	5	100 OR GREATER	21.2	29.4
3	10 OR LESS	10.1	N/A	6	10 OR LESS	25.0	33.4
3	50	8.7	N/A	6	50	22.3	29.3
3	100 OR GREATER	8.1	N/A	6	100 OR GREATER	21.2	29.4
OVERLAYS			29.0	37.0			

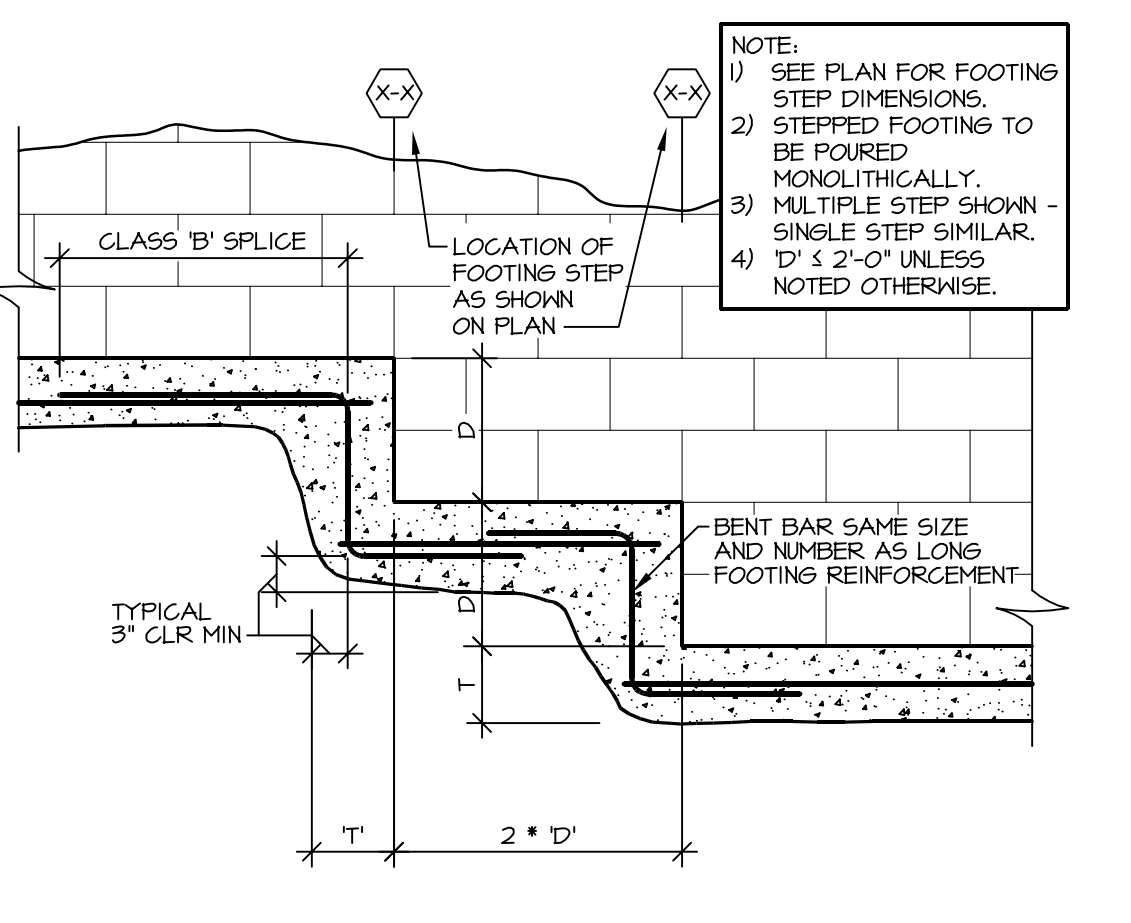
NOTE: 1) BASED ON SIMPLIFIED PROVISIONS FOR ENCLOSED REGULAR-SHAPED BUILDINGS WITH MEAN ROOF HEIGHT LESS THAN OR EQUAL TO 60 FEET (ASCE 7-09, FIGURES 6-2 & 6-3) ASSUMING K_z = 1.0 AND USING CRITERIA LISTED IN STRUCTURAL GENERAL NOTES.

2) FOR EFFECTIVE MEMBER AREAS NOT SPECIFICALLY LISTED, INTERPOLATE OR USE LARGEST VALUE OF WIND PRESSURE COEFFICIENT. DO NOT USE 1/3 STRESS INCREASE FOR MEMBER DESIGN WITH VALUES NOTED IN THIS TABLE.

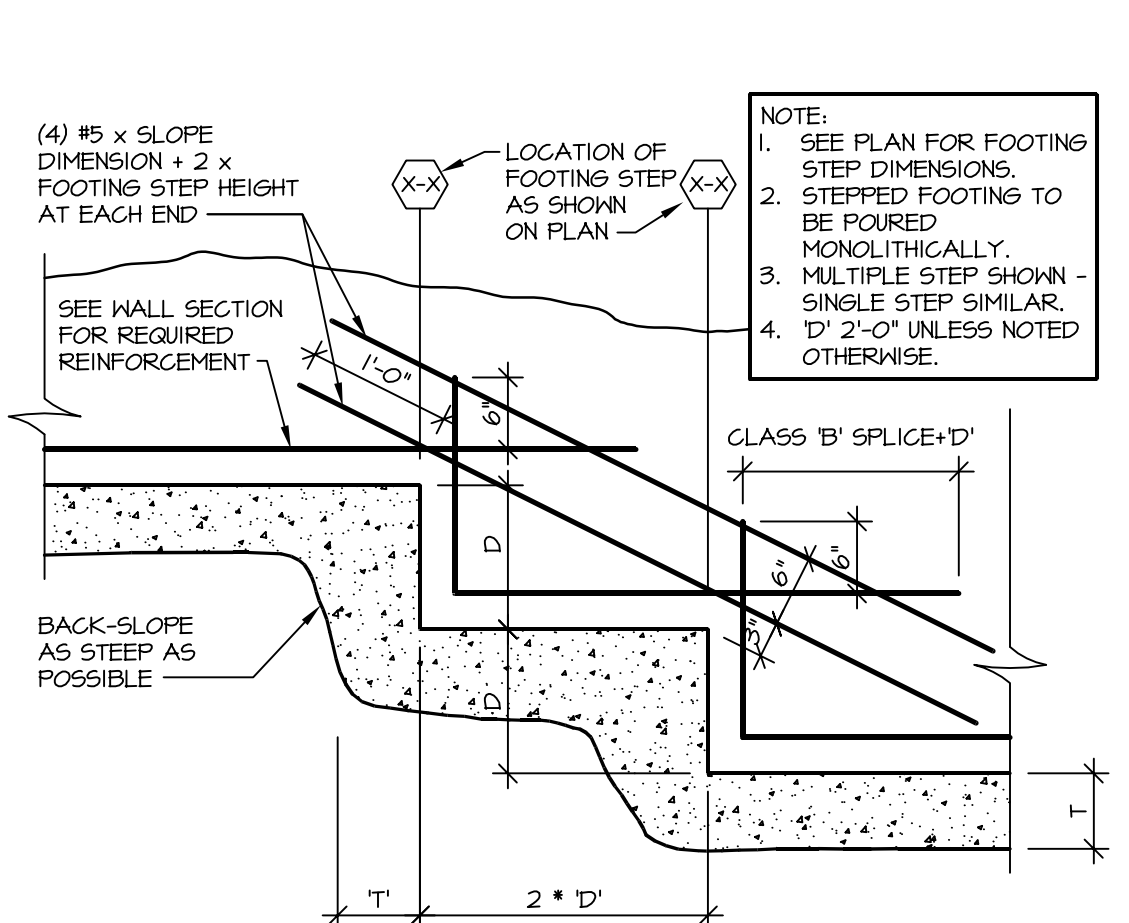
3) = ZONE 1 (ROOF) OR ZONE 5 (WALL) = ZONE 2 (ROOF) OR ZONE 5 (WALL) LENGTH NOTED "A" = 12 FEET



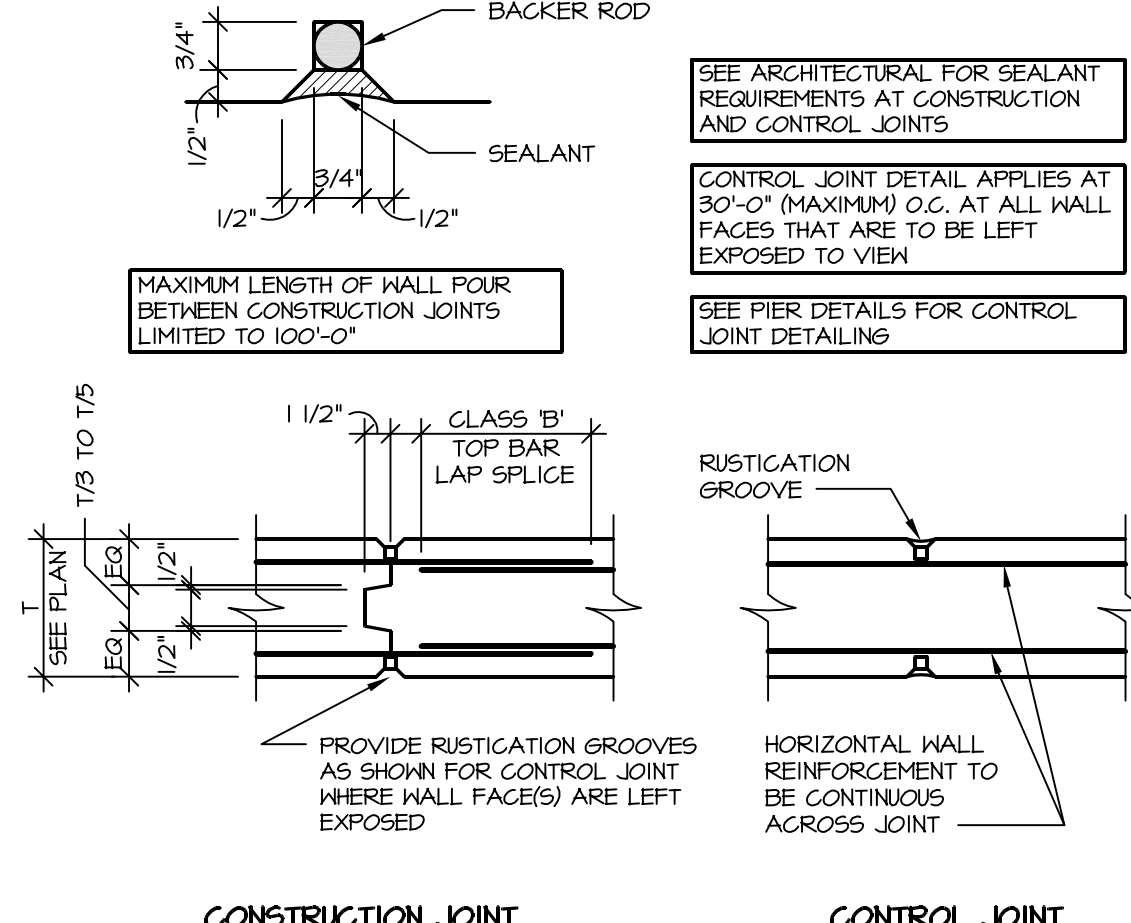
1 OVER-EXCAVATION DETAIL
SCALE: NONE



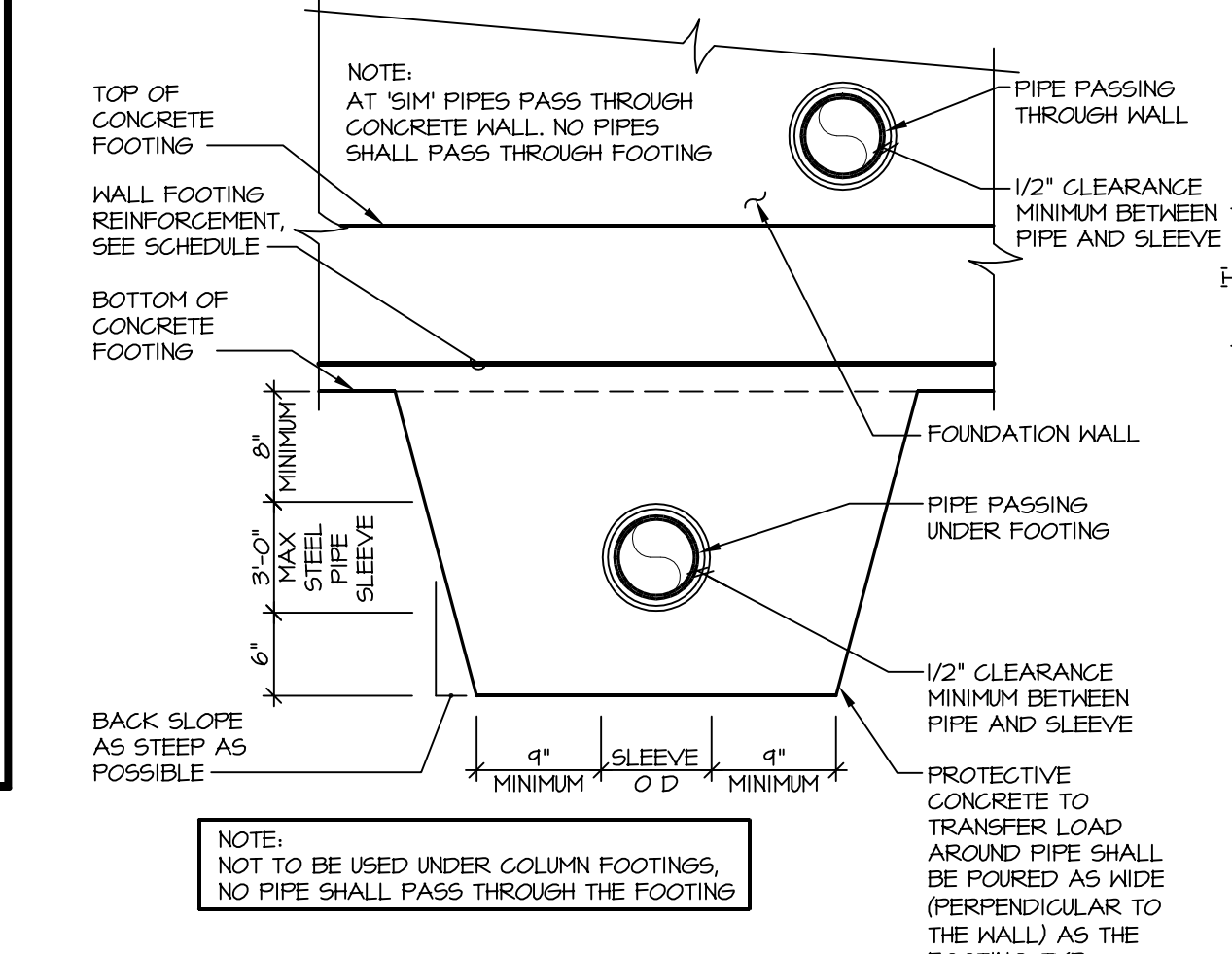
2 FOOTING STEP
SCALE: 3/4" = 1'-0"



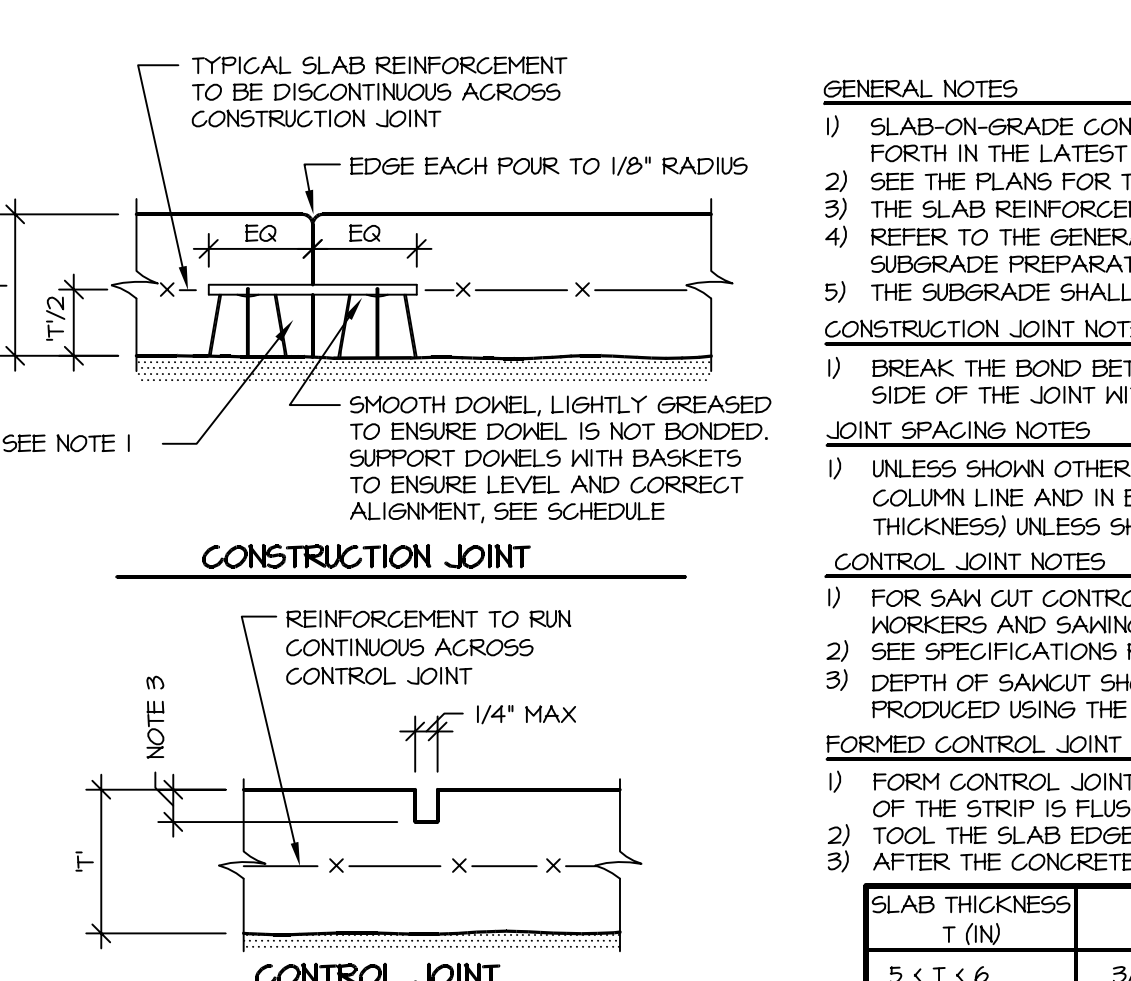
3 FOOTING STEP
SCALE: 3/4" = 1'-0"



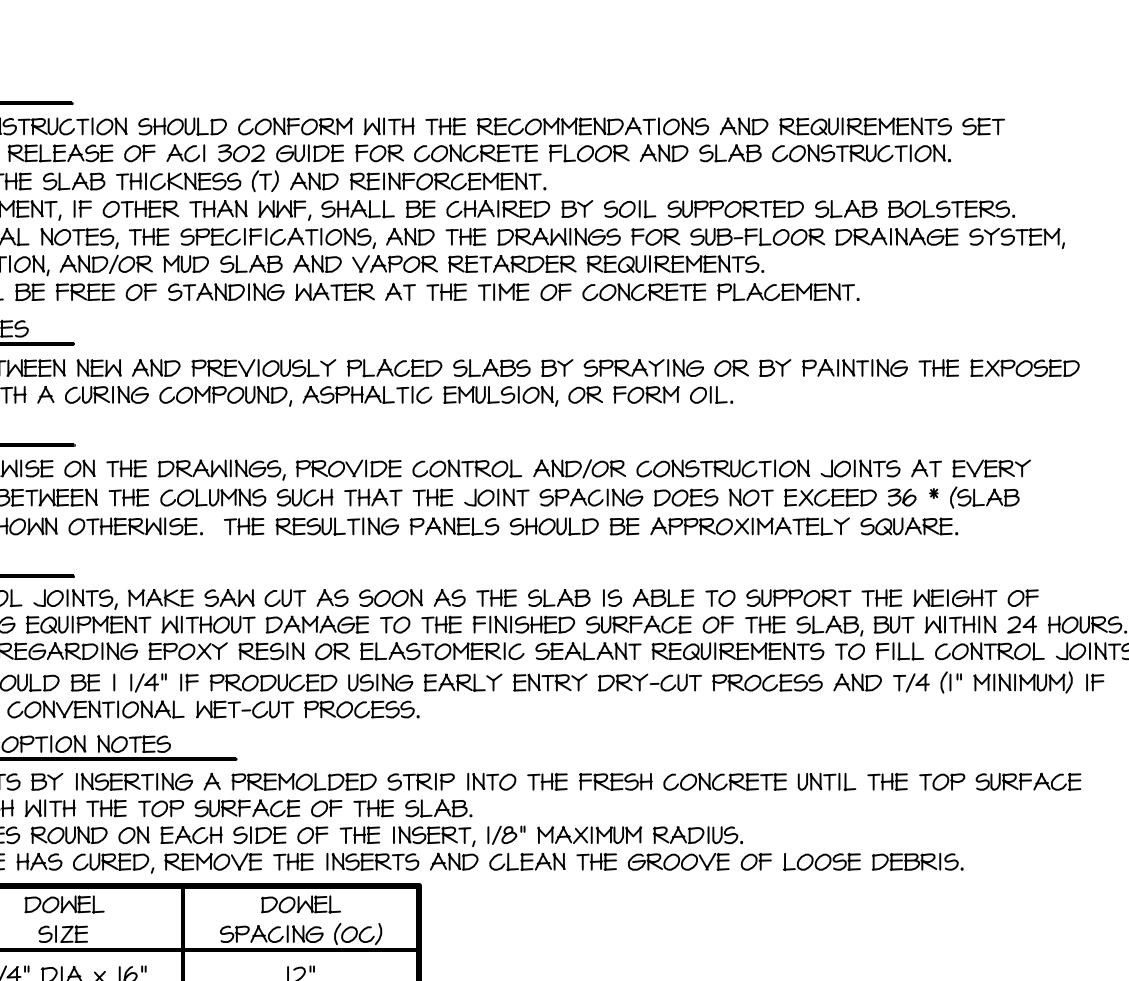
4 TYPICAL CONCRETE WALL JOINTS
SCALE: NONE



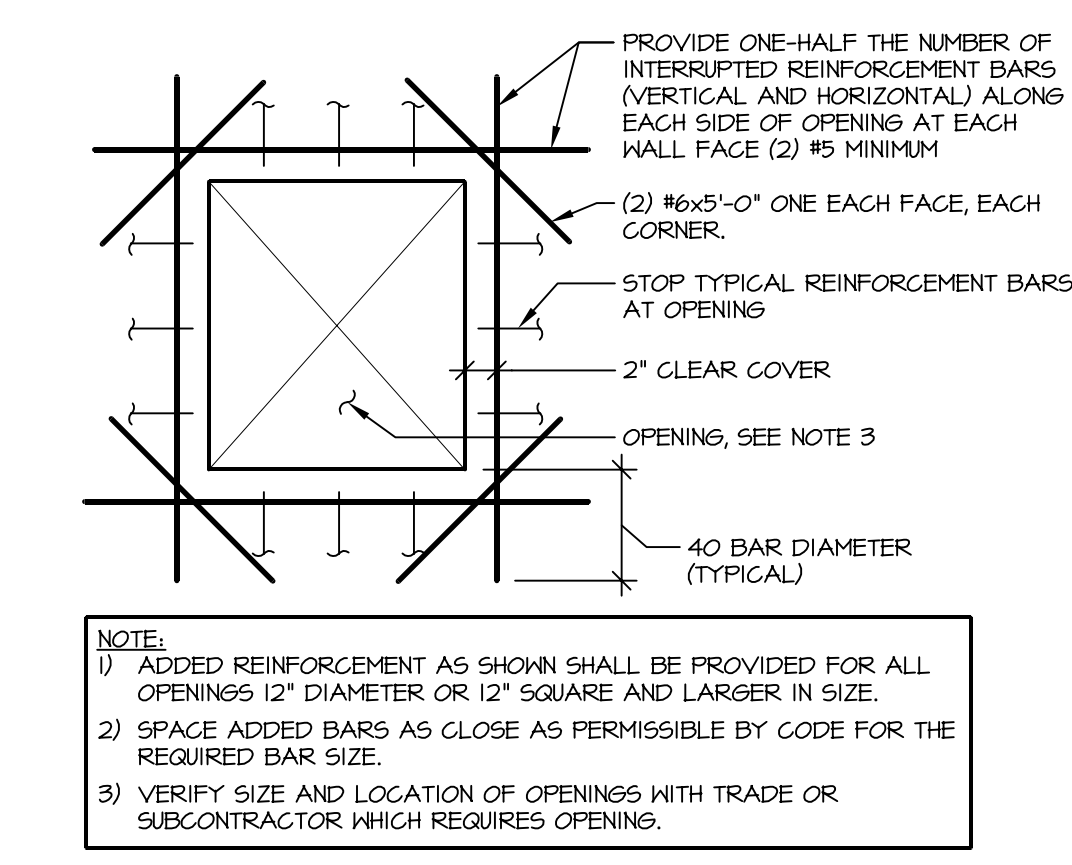
5 PIPE PASSING UNDER WALL FOOTING
SCALE: NONE



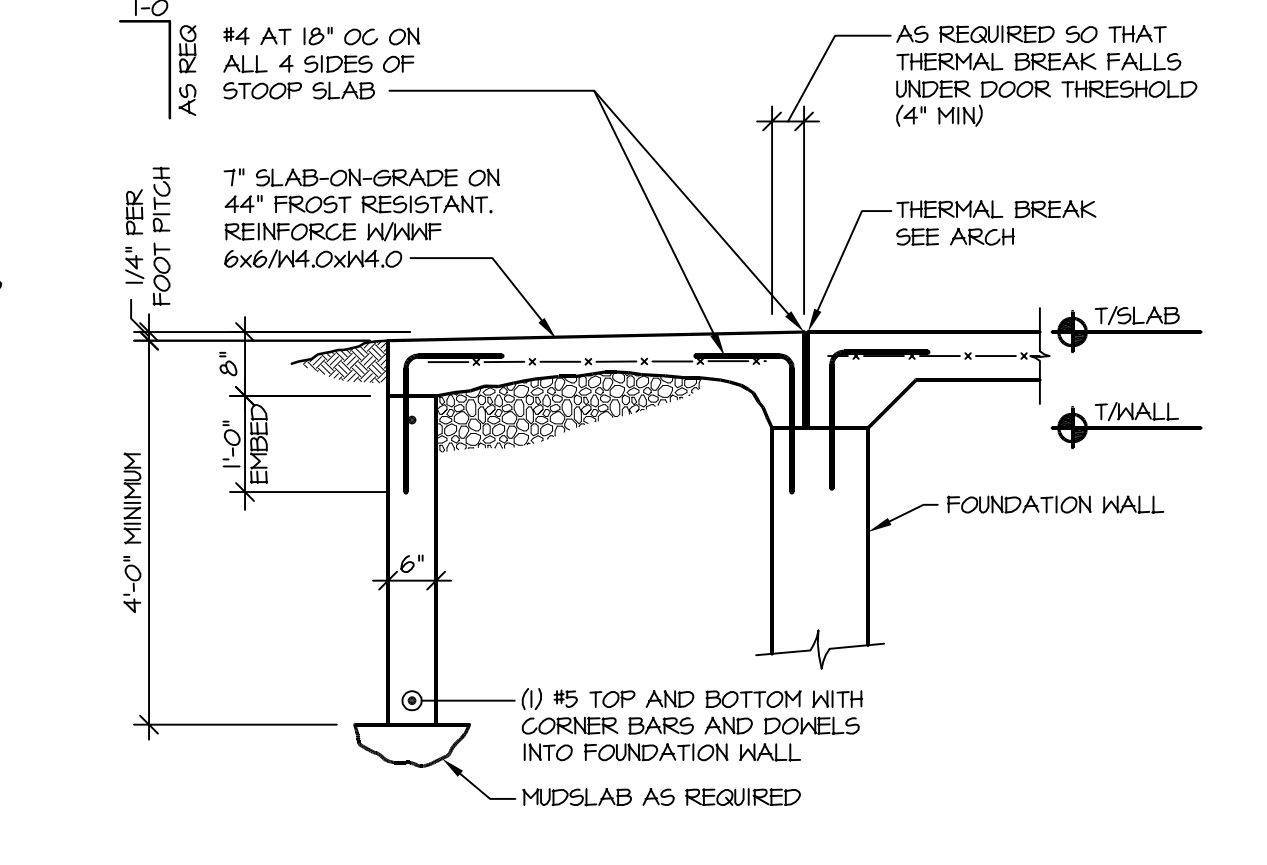
6 TYPICAL CONSTRUCTION AND CONTROL JOINTS IN SLAB-ON-GRADE
SCALE: NONE



7 OVERHEAD DOOR APRON
SCALE: NONE



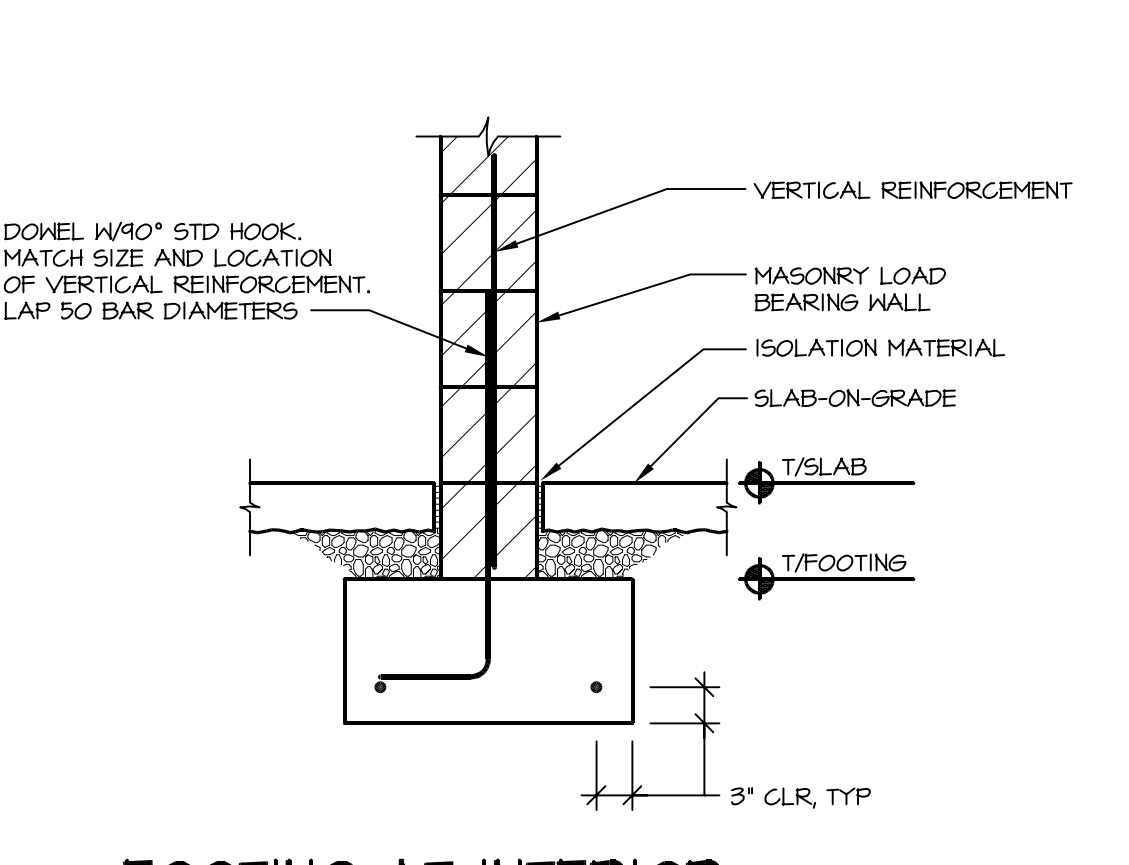
8 ADDED REINFORCEMENT AT OPENINGS
SCALE: NONE



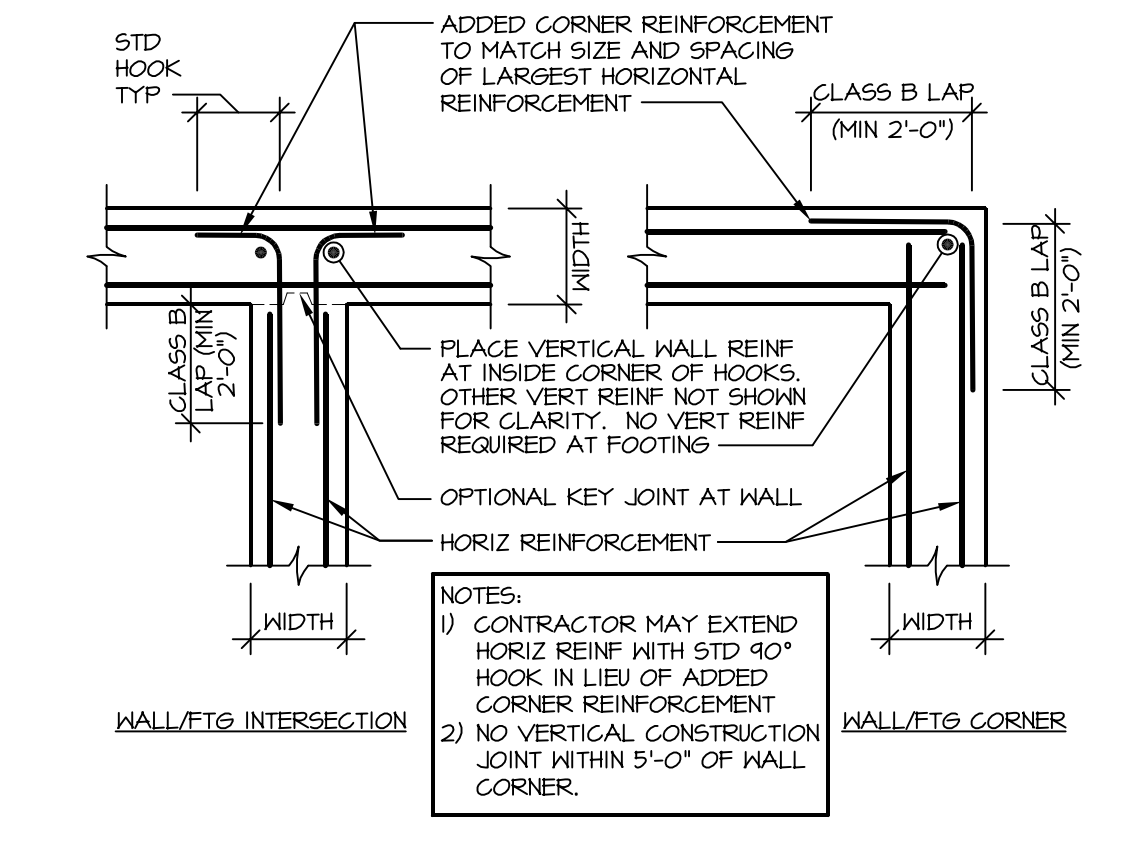
9 TYPICAL STOOP
SCALE: 1/2" = 1'-0"



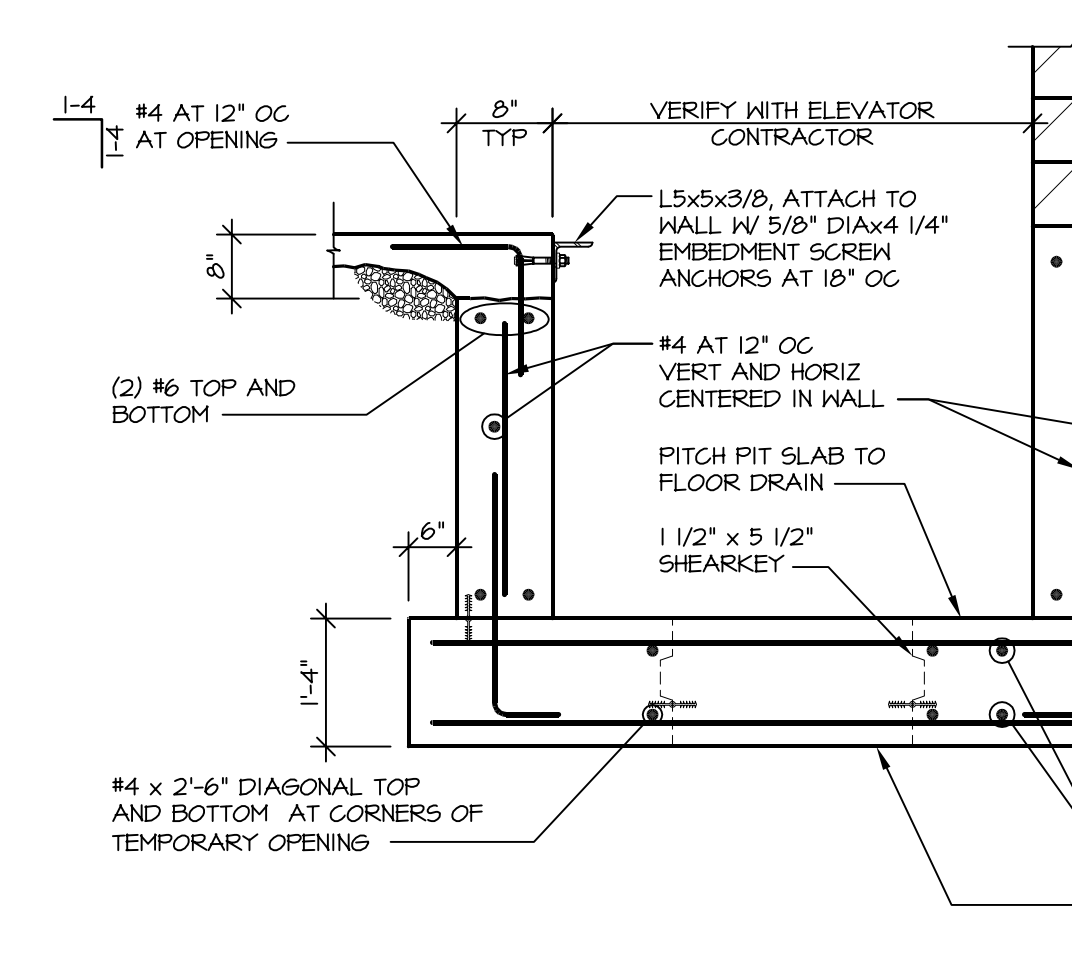
10 TRENCH DRAIN - NOT USED
SCALE: 1" = 1'-0"



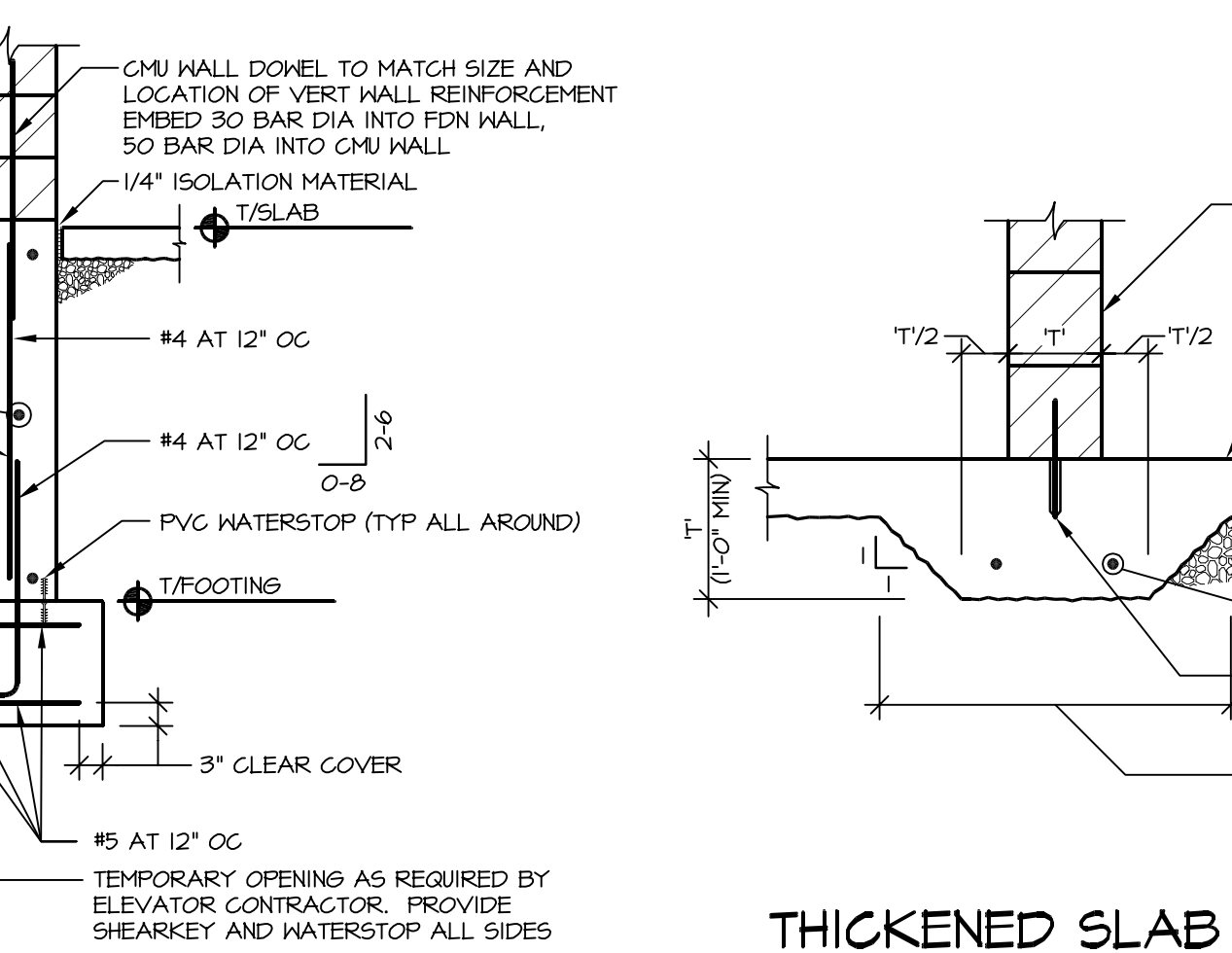
11 FOOTING AT INTERIOR MASONRY WALLS
SCALE: 3/4" = 1'-0"



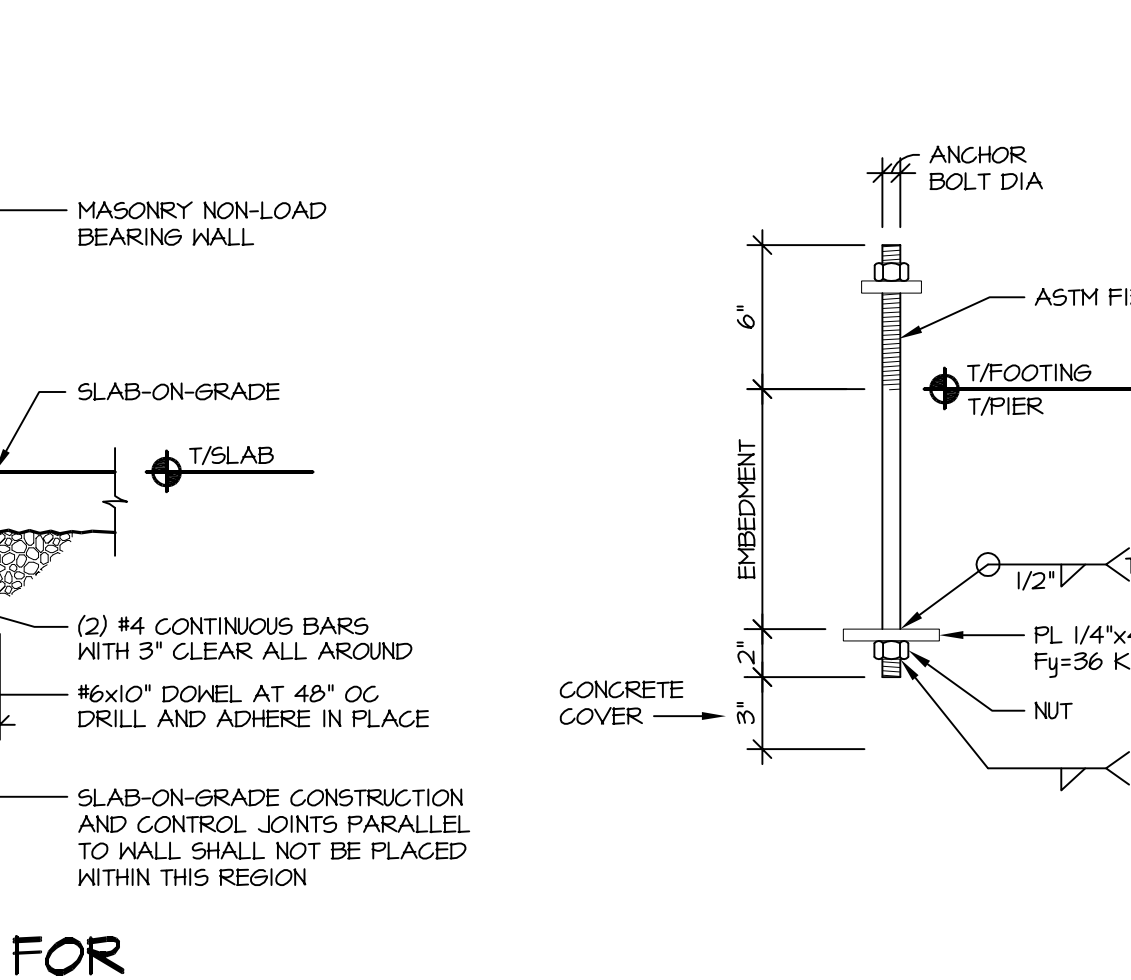
12 TYP WALL/FOOTING CORNER
SCALE: NONE



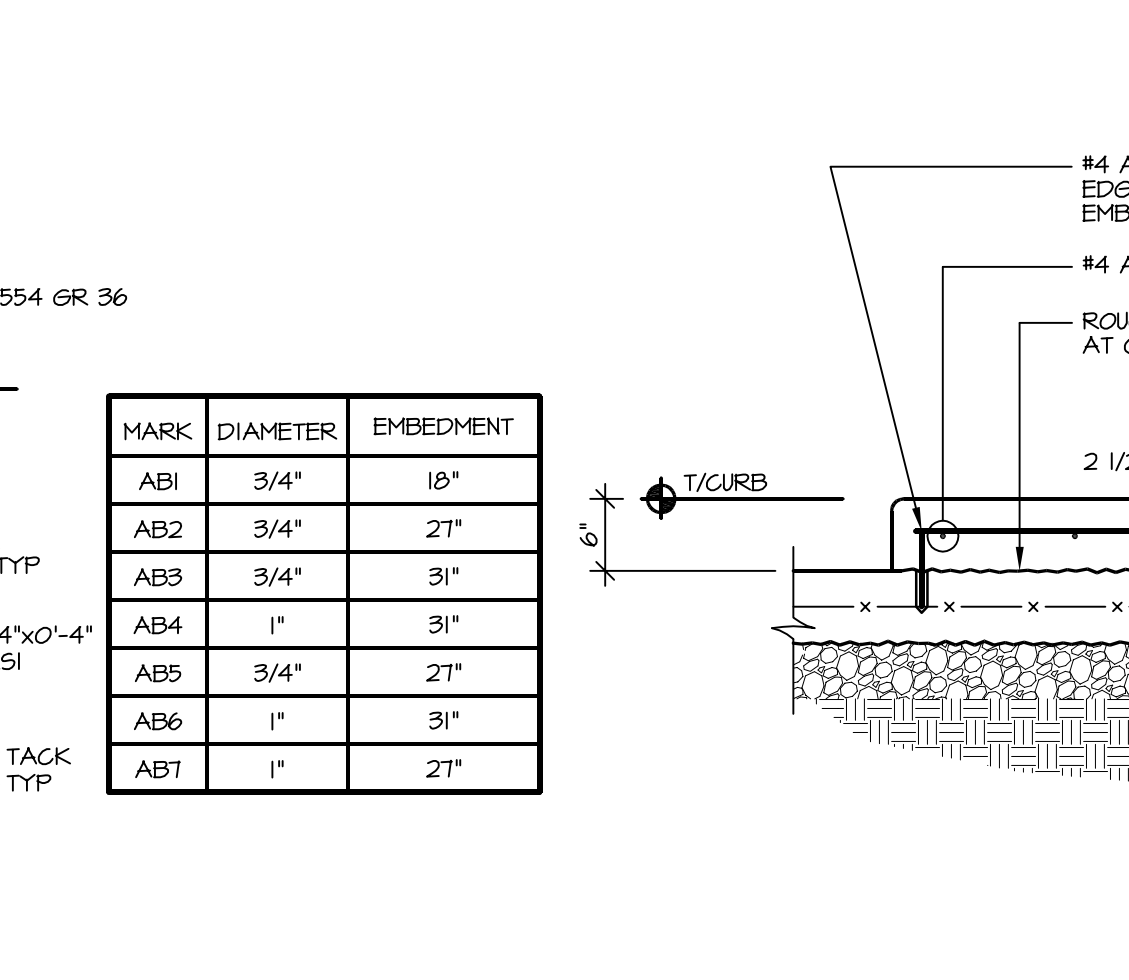
13 CONCRETE ELEVATOR PIT
SCALE: 1/2" = 1'-0"



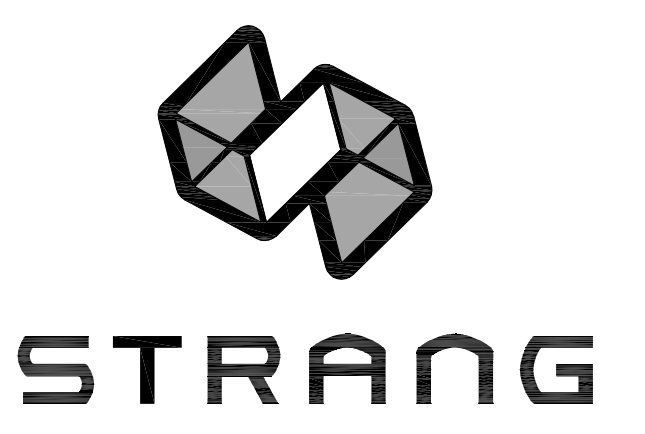
14 THICKENED SLAB FOR NON-LOAD BEARING WALLS
SCALE: 3/4" = 1'-0"



15 ANCHOR BOLT SCHEDULE
SCALE: NONE



16 HOUSEKEEPING PAD
SCALE: 3/4" = 1'-0"



STRANG INC.
8411 MINERAL POINT ROAD
MADISON, WI 53705-4336
7/ 608 278 9200
F/ 608 278 9204

CONSULTANT
ARNOLD & O'SHERIDAN, INC.
728 HEARLAND TRAIL
MADISON, WI 53717

PROJECT #130172
CONTRACTOR RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, TEMPORARY SUPPORTS, SHORING, FORMING TO SUPPORT REINFORCED CONCRETE AND OTHER SIMILAR ITEMS.

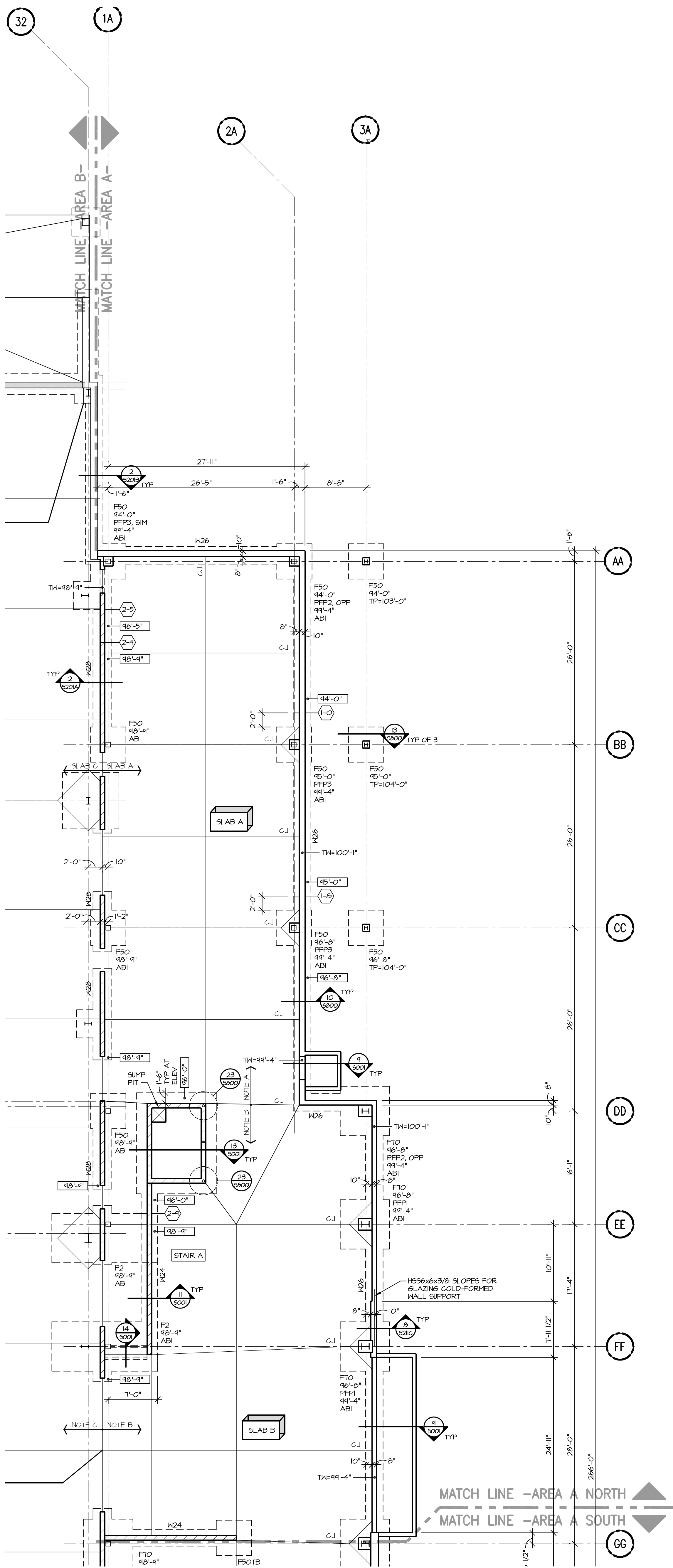
DRAWING SET CD
COPYRIGHT STRANG, INC. 2013
FILE NAME 130172_S001.dwg
REVISIONS
ADDENDUM #1 11-01-13
DRAWN A&O
CHECKED TJD
DATE 10-29-13
PROJECT NO. 2013027.02
PROJECT TITLE

ALLIANT ENERGY CENTER PAVILIONS
BID # 313072

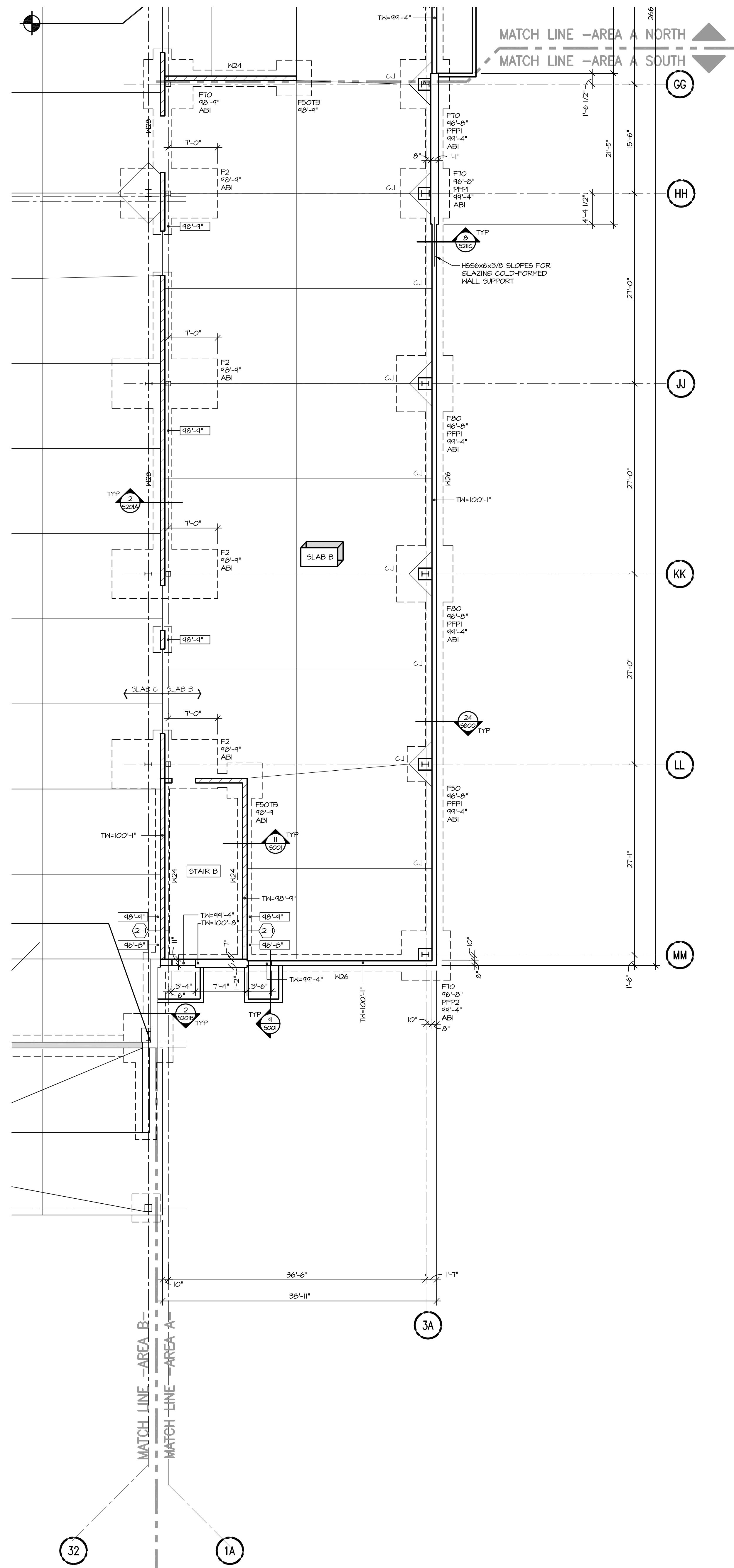
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

SHEET TITLE
STRUCTURAL GENERAL NOTES

SHEET NO.
S001

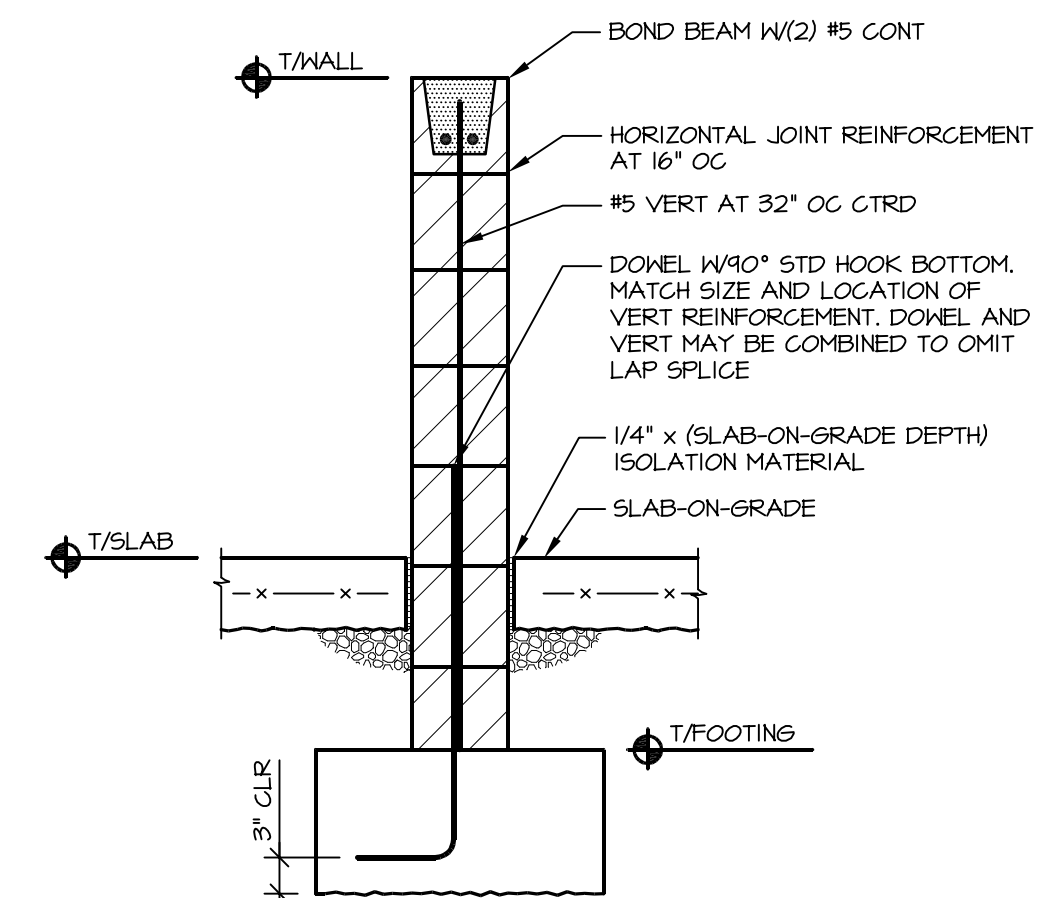


1 FOUNDATION PLAN - AREA A NORTH
SCALE: 1/8" = 1'-0"

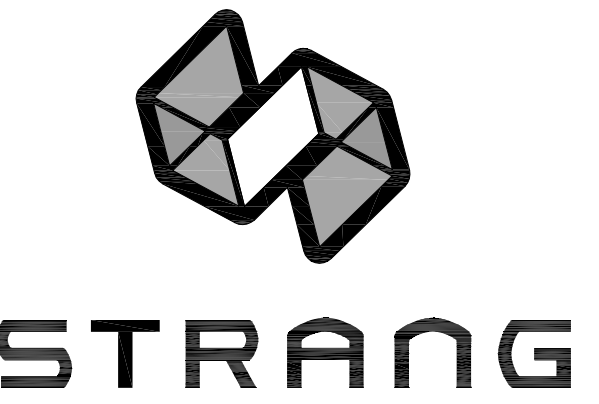


2 FOUNDATION PLAN - AREA A SOUTH
SCALE: 1/8" = 1'-0"

- FOUNDATION PLAN NOTES:
- 1) FINISH SLAB ELEVATION = 100'-0". TYP. UNO
TOP OF FOOTING ELEVATION = VARIES. SEE PLAN
 - 2) SLAB C. SEE 9400 FOR SLAB REINFORCEMENT SCHEDULE.
 - 3) OVER-EXCAVATION PER DETAIL 15001 MAY BE REQUIRED TO REMOVE EXISTING UNDOCUMENTED FILL AND UNSUITABLE BEARING SOIL.
 - 4) TYPICAL DETAILS THAT APPLY TO PLAN INCLUDE:
25001 FOOTING STEP DETAIL
35001 FOOTING STEP DETAIL
45001 CONCRETE WALL JOINT DETAIL
55001 PIPE PASSING UNDER WALL FOOTING
65001 SLAB ON GRADE JOINT DETAIL
85001 CONCRETE WALL OPENING DETAIL
95001 STOOP DETAIL
125001 CORNER REINFORCEMENT DETAIL
 - 5) SEE 9800 FOR PIER DETAILS.
 - 6) PROVIDE WET-CURE SLAB-ON-GRADE AT FLOOR SLABS RECEIVING SEALED FLOOR FINISH. SEE FINISH SCHEDULE AND PROJECT SPECIFICATION MANUAL.
 - 7) SLAB B. SEE 9400 FOR SLAB REINFORCEMENT SCHEDULE.
 - 8) SLAB A. SEE 9400 FOR SLAB REINFORCEMENT SCHEDULE.



2 WALL SECTION
SCALE: 3/4" = 1'-0"



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

STRANG INC.
8411 MINERAL POINT ROAD
MADISON, WI 53705-4395
T/ 608 278 8200
F/ 608 278 8204

CONSULTANT

ARNOLD & O'SHERIDAN, INC.
728 HEARTLAND TRAIL
MADISON, WI 53717

T/ 608 821 8500
F/ 608 821 8501
A&O PROJECT #130172
Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including but not limited to, temporary supports, shoring, forming to support proposed loads and other similar items.

DRAWING SET CD

COPYRIGHT 2013

STRANG, INC.

FILE NAME 130172_S201A.DWG

REVISIONS

ADDENDUM #1 11-01-13

DRAWN A&O

CHECKED TJD

DATE 10-29-13

PROJECT NO. 2013027_02

PROJECT TITLE

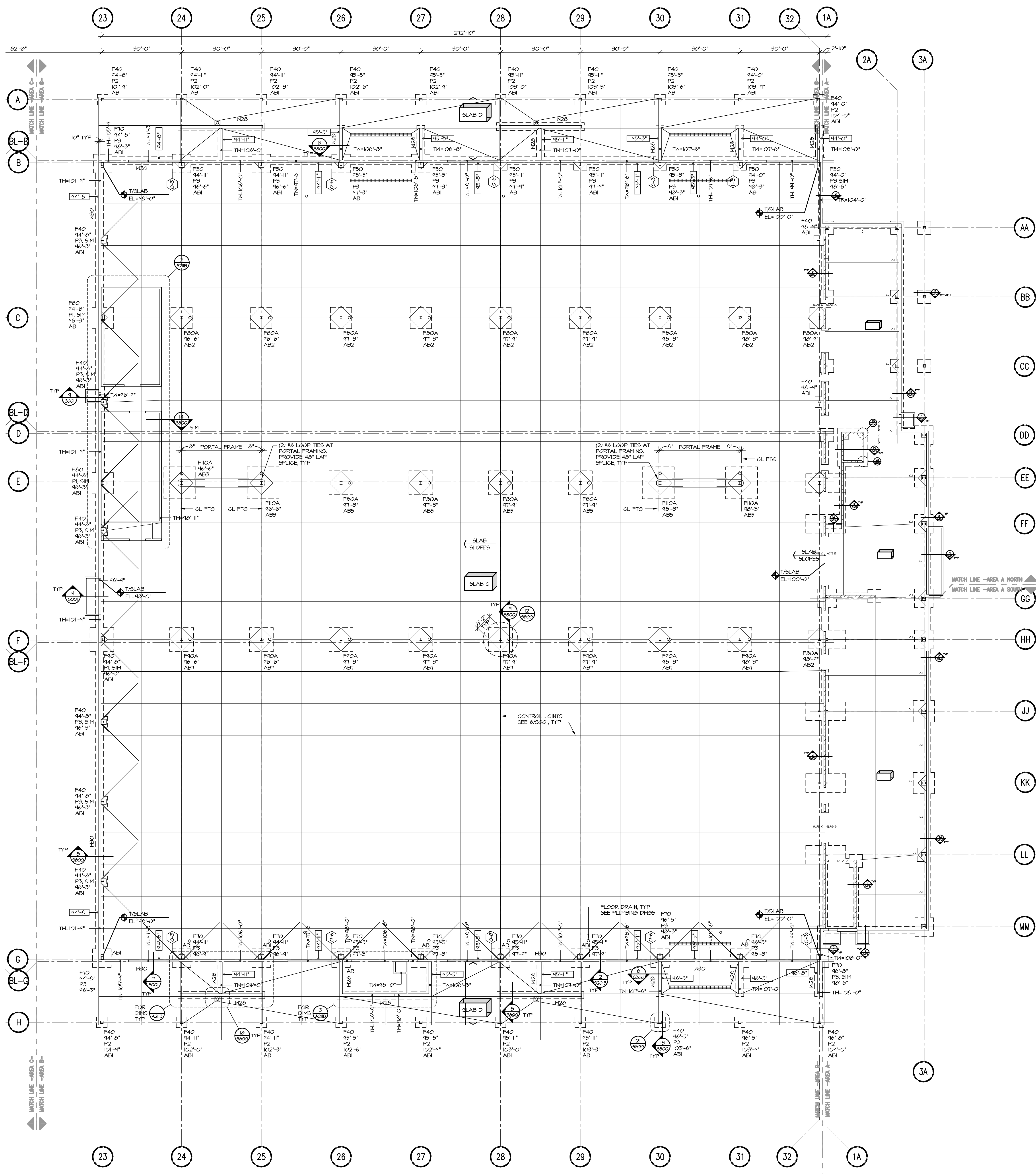
ALLIANT ENERGY
CENTER PAVILIONS
BID # 313072

1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

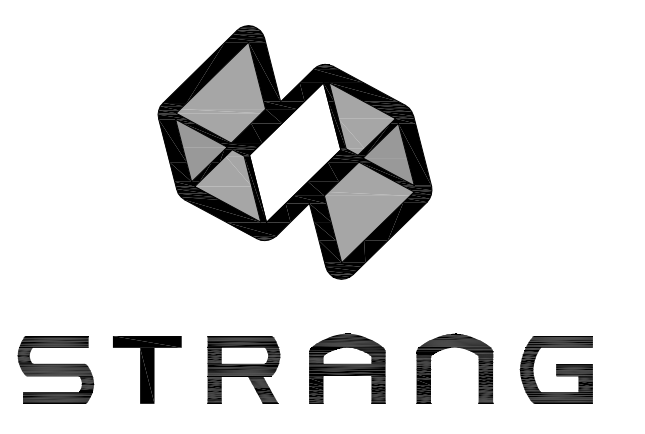
SHEET TITLE
FOUNDATION PLAN
AREA A

SHEET NO.
S201A



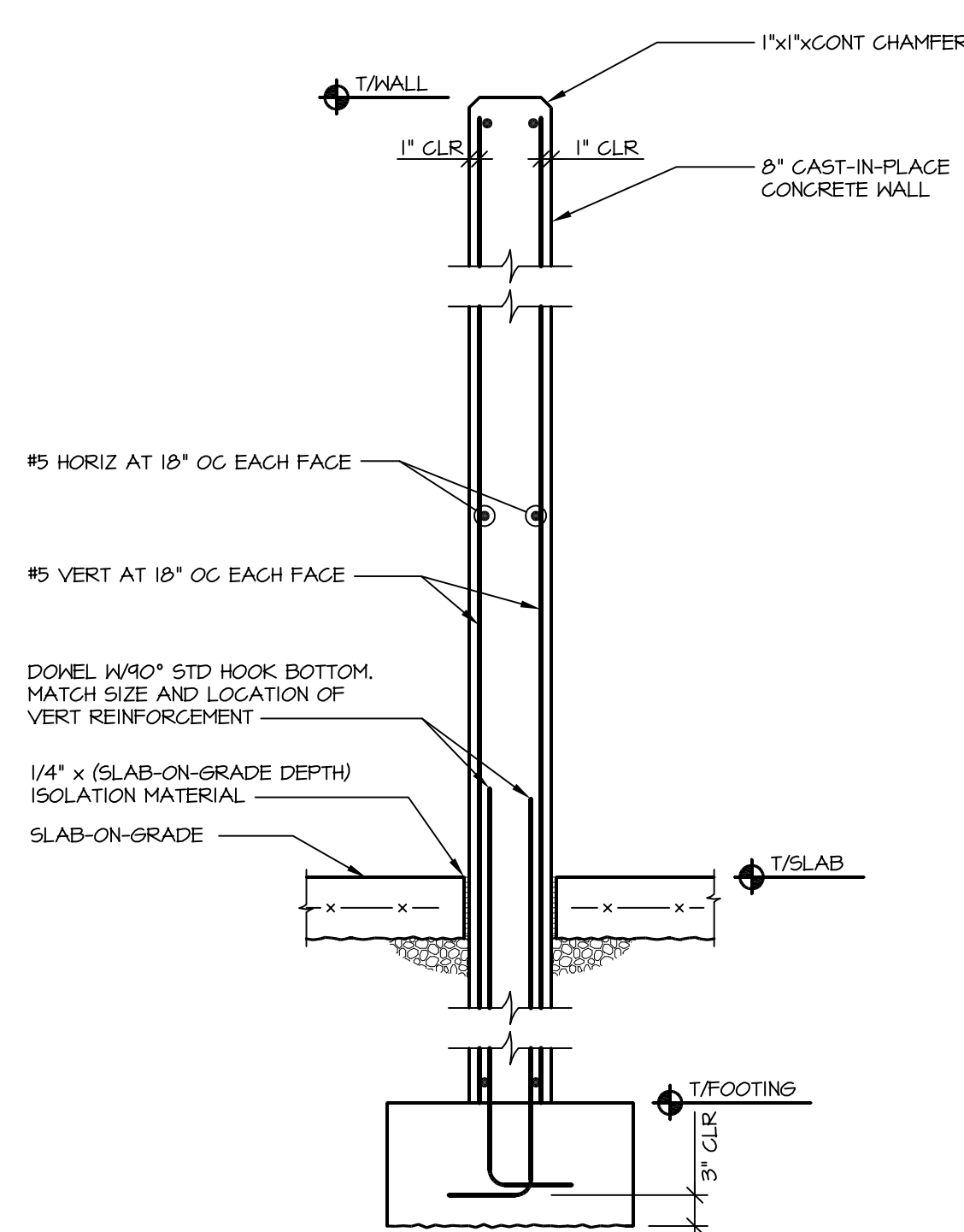


- FOUNDATION PLAN NOTES:**
- 1) FINISH SLAB ELEVATION = SLOPES, SEE PLAN. TOP OF FOOTING ELEVATION = VARIES, SEE PLAN.
 - 2) SLAB C, SEE 9/400 FOR SLAB REINFORCEMENT SCHEDULE.
 - 3) OVER-EXCAVATION PER DETAIL 1/5001 MAY BE REQUIRED TO REMOVE EXISTING UNDOCUMENTED FILL AND UNSUITABLE BEARING SOIL.
 - 4) TYPICAL DETAILS THAT APPLY TO PLAN INCLUDE:
 2/5001 FOOTING STEP DETAIL (MASONRY)
 3/5001 FOOTING STEP DETAIL (CONCRETE)
 4/5001 CONCRETE WALL JOINT DETAIL
 5/5001 PIPE PASSING UNDER WALL FOOTING
 6/5001 SLAB ON GRADE JOINT DETAIL
 7/5001 OVERHEAD DOOR AT APRON
 8/5001 CONCRETE WALL OPENING DETAIL
 9/5001 STAIR DETAIL
 12/5001 CORNER REINFORCEMENT DETAIL
 - 5) TYPICAL WHERE SLAB-ON-GRADE ABUTS HALL OR COLUMN, PROVIDE 1/4" x (50G DEPTH) ISOLATION FILLER STRIP, SET STRIP 1/4" BELOW FINISH SLAB ELEVATION.
 - 6) ALL FOUNDATION FOOTINGS AND PIER SIZES TO BE VERIFIED/CONFIRMED WITH METAL BUILDING FINAL DESIGN. SIZES/ORIENTATIONS SHOWN ARE BASED ON PRELIMINARY INFORMATION ONLY.
 - 7) SEE 5/800 FOR PIER DETAILS, TYPICAL.
 - 8) SEE A211B FOR WASH BAY AND STORAGE AREA DIMENSIONS.
 - 9) SLAB D, SEE 9/400 FOR SLAB REINFORCEMENT SCHEDULE.

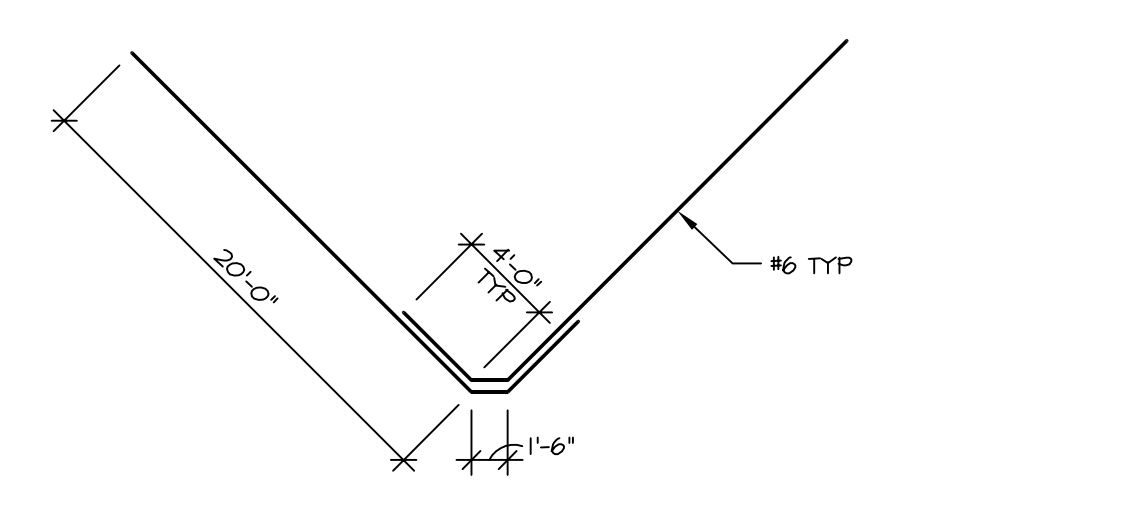


ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

STRANG INC.
8411 MINERAL POINT ROAD
MADISON, WI 53705-4395
T/ 608 278 8200
F/ 608 278 8204



2 WALL SECTION
SCALE: 3/4" = 1'-0"



3 PAVILION SLAB REINFORCEMENT
SCALE: NONE

CONSULTANT
ARNOLD & O'SHERIDAN, INC.
728 HEARTLAND TRAIL
MADISON, WI 53717

T/ 608 821 8500 A&O PROJECT #130172
F/ 608 821 8501
Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including but not limited to, temporary supports, shoring, forming to support imposed loads and other similar items.

DRAWING SET	CD
COPYRIGHT	2013
STRANG, INC.	
FILE NAME	130172_S201B.DWG
REVISIONS	
ADDENDUM #1	11-01-13
DRAWN	A&O
CHECKED	TJD
DATE	10-29-13
PROJECT NO.	2013027_02

PROJECT TITLE
**ALLIANT ENERGY CENTER PAVILIONS
BID # 313072**

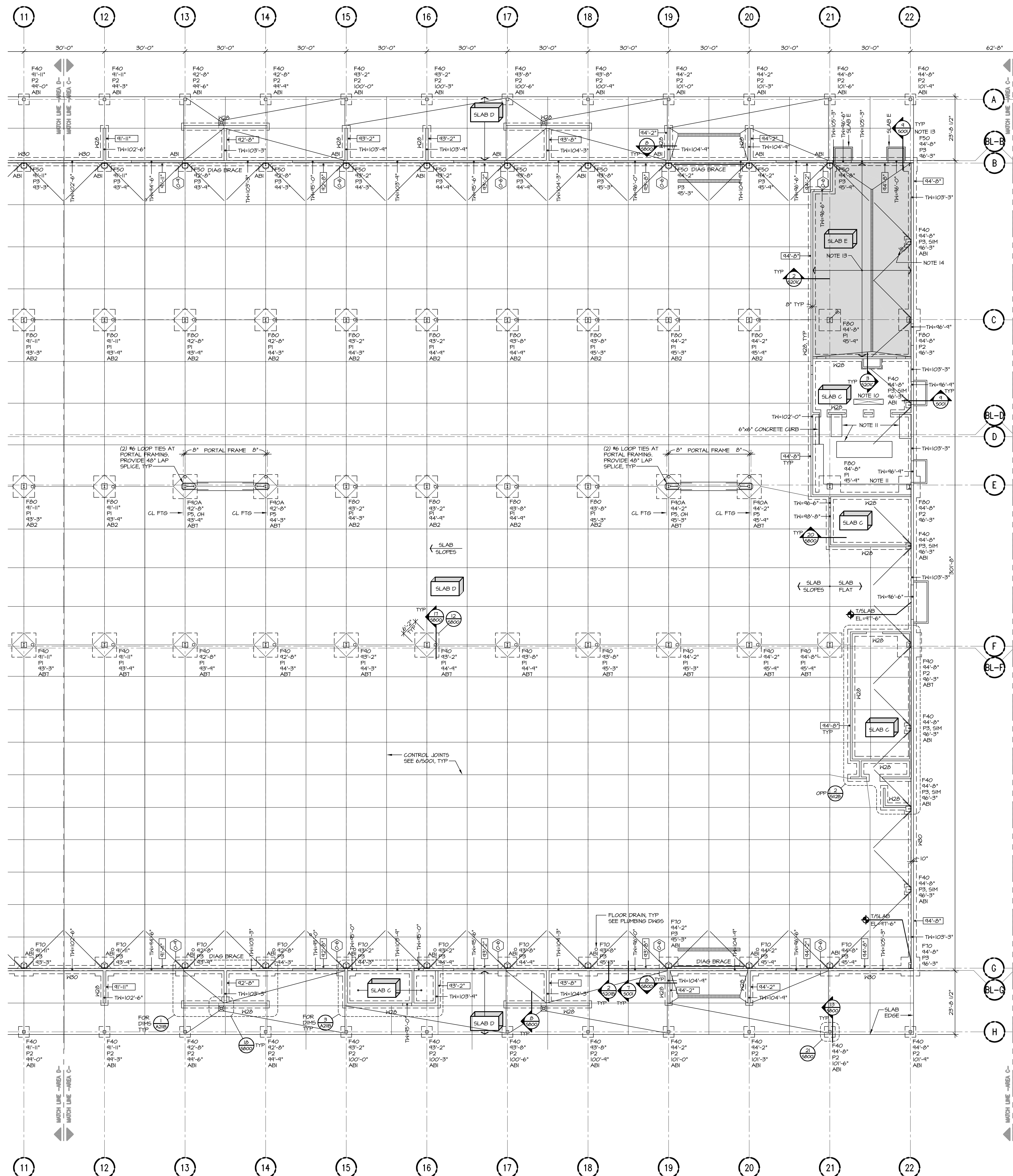
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

SHEET TITLE
**FOUNDATION PLAN
AREA B**

SHEET NO.
S201B

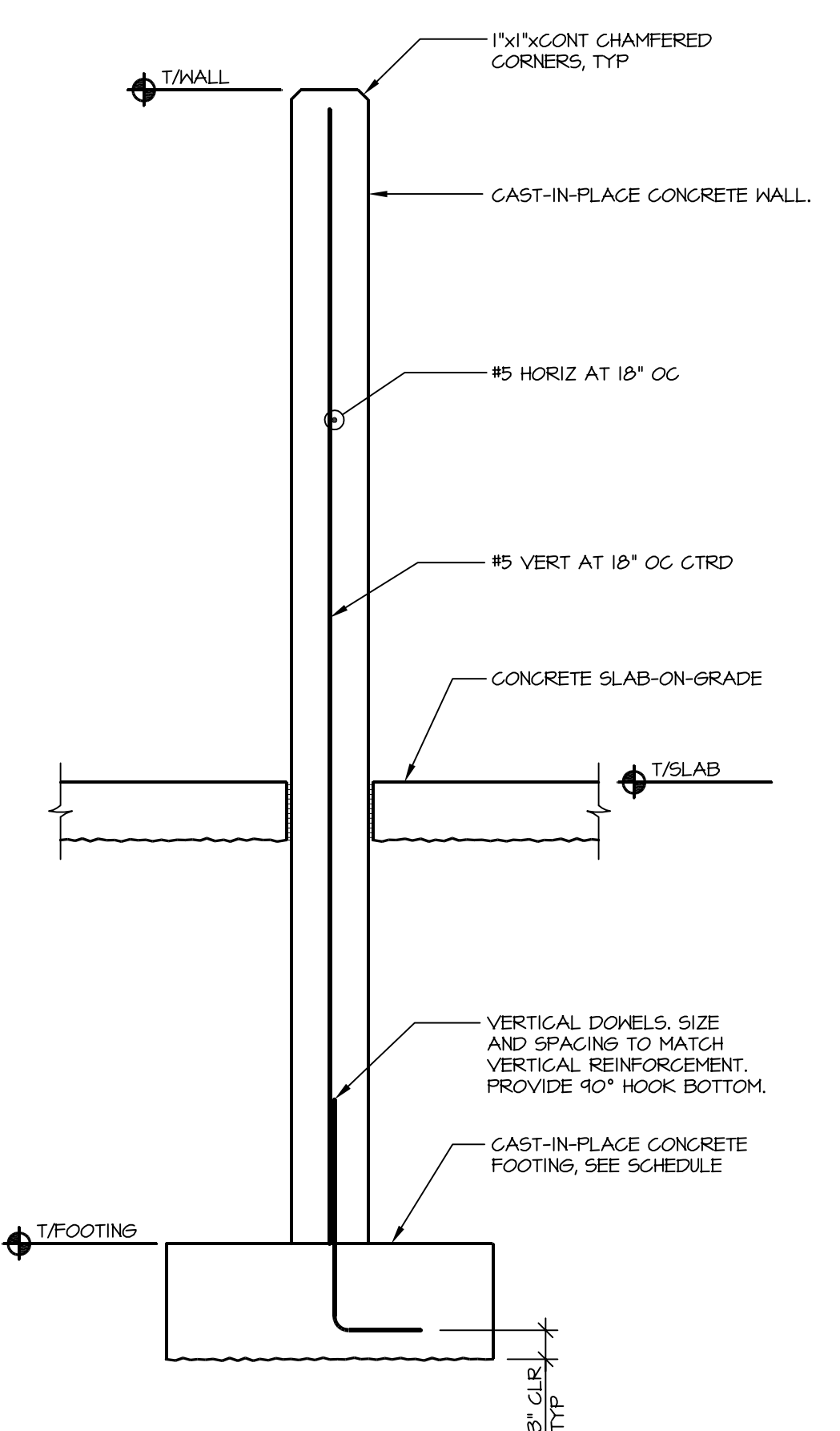
1 FOUNDATION PLAN - AREA B
SCALE: 1/16" = 1'-0"



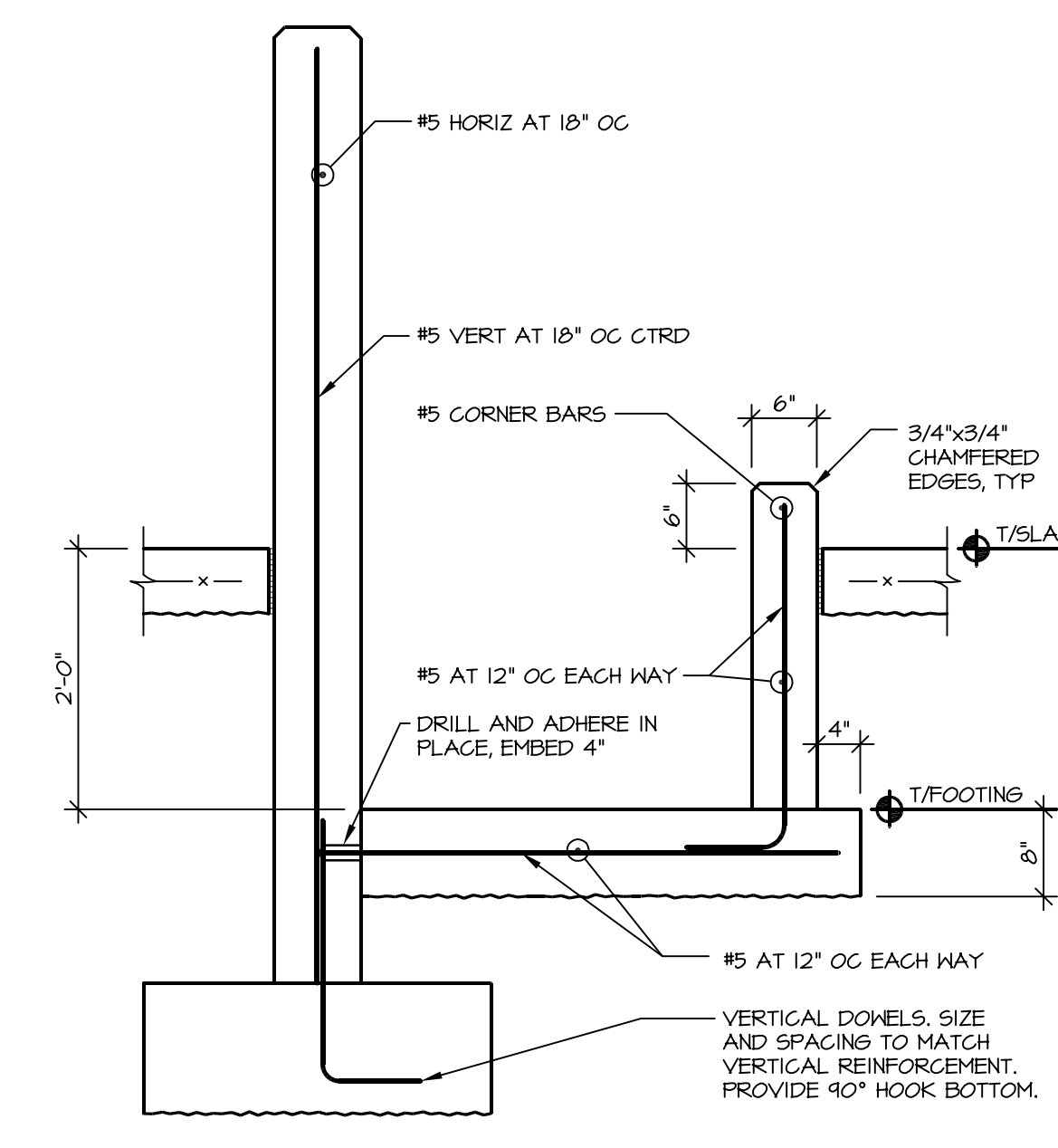


FOUNDATION PLAN - AREA C
SCALE: 1/16" = 1'-0"

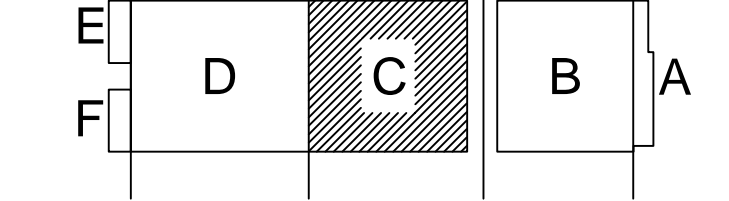
- FOUNDATION PLAN NOTES:**
- 1) FINISH SLAB ELEVATION + SLOPES, SEE PLAN. TOP OF FOOTING ELEVATION + VARIES, SEE PLAN.
 - 2) SLAB D, SEE 9400 FOR SLAB REINFORCEMENT SCHEDULE.
 - 3) OVER-EXCAVATION PER DETAIL, 1/5001 MAY BE REQUIRED TO REMOVE EXISTING UNDOCUMENTED FILL AND UNSUITABLE BEARING SOIL.
 - 4) TYPICAL DETAILS THAT APPLY TO PLAN INCLUDE:
2/5001 FOOTING STEP DETAIL, (MASONRY)
3/5001 FOOTING STEP DETAIL, CONCRETE
4/5001 CONCRETE WALL JOINT DETAIL
5/5001 PIPE PASSING UNDER WALL FOOTING
6/5001 SLAB ON GRADE JOINT DETAIL
7/5001 OVERHEAD DOOR AT APRON
8/5001 CONCRETE WALL OPENING DETAIL
9/5001 STOOP DETAIL
12/5001 CORNER REINFORCEMENT DETAIL.
 - 5) TYPICAL WHERE SLAB-ON-GRADE ABUTS HALL OR COLUMN, PROVIDE 1/4" x (50S DEPTH) ISOLATION FILLER STRIP. SET STRIP 1/4" BELOW FINISH SLAB ELEVATION.
 - 6) ALL FOUNDATION, FOOTING AND PIER SIZES TO BE VERIFIED/CONFIRMED WITH METAL BUILDING FINAL DESIGN. SIZES/ORIENTATIONS SHOWN ARE BASED ON PRELIMINARY INFORMATION ONLY.
 - 7) SEE 5800 FOR PIER DETAILS, TYPICAL.
 - 8) SEE A218 FOR WASH BAY AND STORAGE AREA DIMENSIONS.
 - 9) PROVIDE A SMOOTH RUBBED FINISH ON CAST-IN-PLACE CONCRETE WALLS AND PIERS THAT ARE EXPOSED TO VIEW. EXTEND SMOOTH RUBBED FINISH TO 8" BELOW GRADE.
 - 10) 2" SLAB DEPRESSION, SEE DETAIL 2/5201D.
 - 11) 6" CONCRETE HOUSEKEEPING PAD, SEE DETAIL 16/5001.
 - 12) SEE PROJECT SPECIFICATION MANUAL FOR MOCK-UP REQUIREMENTS.
 - 13) ELECTRICALLY GROUNDED CONCRETE SLAB-ON-GRADE, PLACE #4F REINFORCEMENT PER NOTE 2. FIELD WELD ALL WIRE OVERLAPS WITH 1/8" BEVEL WELD 1' LONG TO PROVIDE A CONTINUOUS WIRE MAT FOR GROUNDING. AT (3) ENTRANCES, PROVIDE A CONTINUOUS #5 WELDABLE REBAR AT OPENING WIDTH FIELD WELDED TO WIRE REINFORCEMENT MAT. PROVIDE #6x10'-0" LONG AND 12" LONG LEG AT 45° ANGLE AT 12" OC AT ENTRANCES. FIELD WELD TO #6 CONT. AT DOOR AND WIRE MAT. PROVIDE ASTM WELDABLE BARS, DO NOT USE FIBER REINFORCED CONCRETE IN THIS AREA.
 - 14) SEE ELECTRICAL DRAWINGS FOR GROUNDING ROOFS AND GROUND LUG TO THE STRUCTURAL COLUMNS, PIERS AND FOOTING REINFORCEMENT.
 - 15) SLAB D, SEE 9400 FOR SLAB REINFORCEMENT SCHEDULE.
 - 16) SLAB E, SEE 9400 FOR SLAB REINFORCEMENT SCHEDULE.
 - 17) SLAB C, SEE 9400 FOR SLAB REINFORCEMENT SCHEDULE.



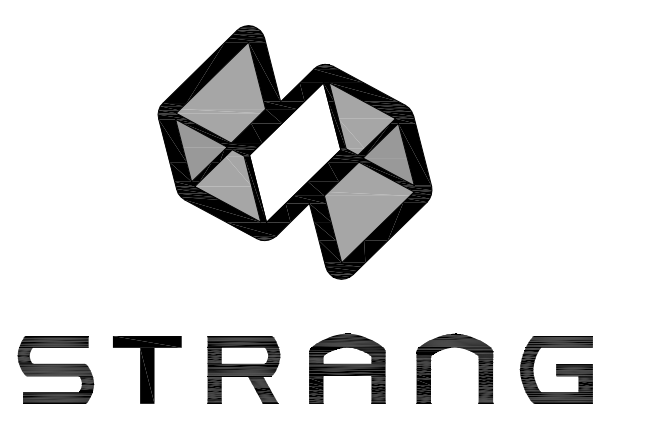
2 WALL SECTION AT PAVILIONS
SCALE: NONE



3 PIT DETAIL
SCALE: NONE



KEY PLAN



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

STRANG INC.
8411 MINERAL POINT ROAD
MADISON, WI 53705-4355
7/608 278 9200
F/608 278 9204

CONSULTANT
ARNOLD & O'SHERIDAN, INC.
728 HEARTLAND TRAIL
MADISON, WI 53717

T/608 821 8500
F/608 821 8501
A&O PROJECT #130172
Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including but not limited to, temporary supports, shoring, forming to support imposed loads and other similar items.

DRAWING SET CD
COPYRIGHT 2013
STRANG, INC.

FILE NAME 130172_S201C.DWG

REVISIONS

ADDENDUM #1 11-01-13

DRAWN A&O

CHECKED TJD

DATE 10-29-13

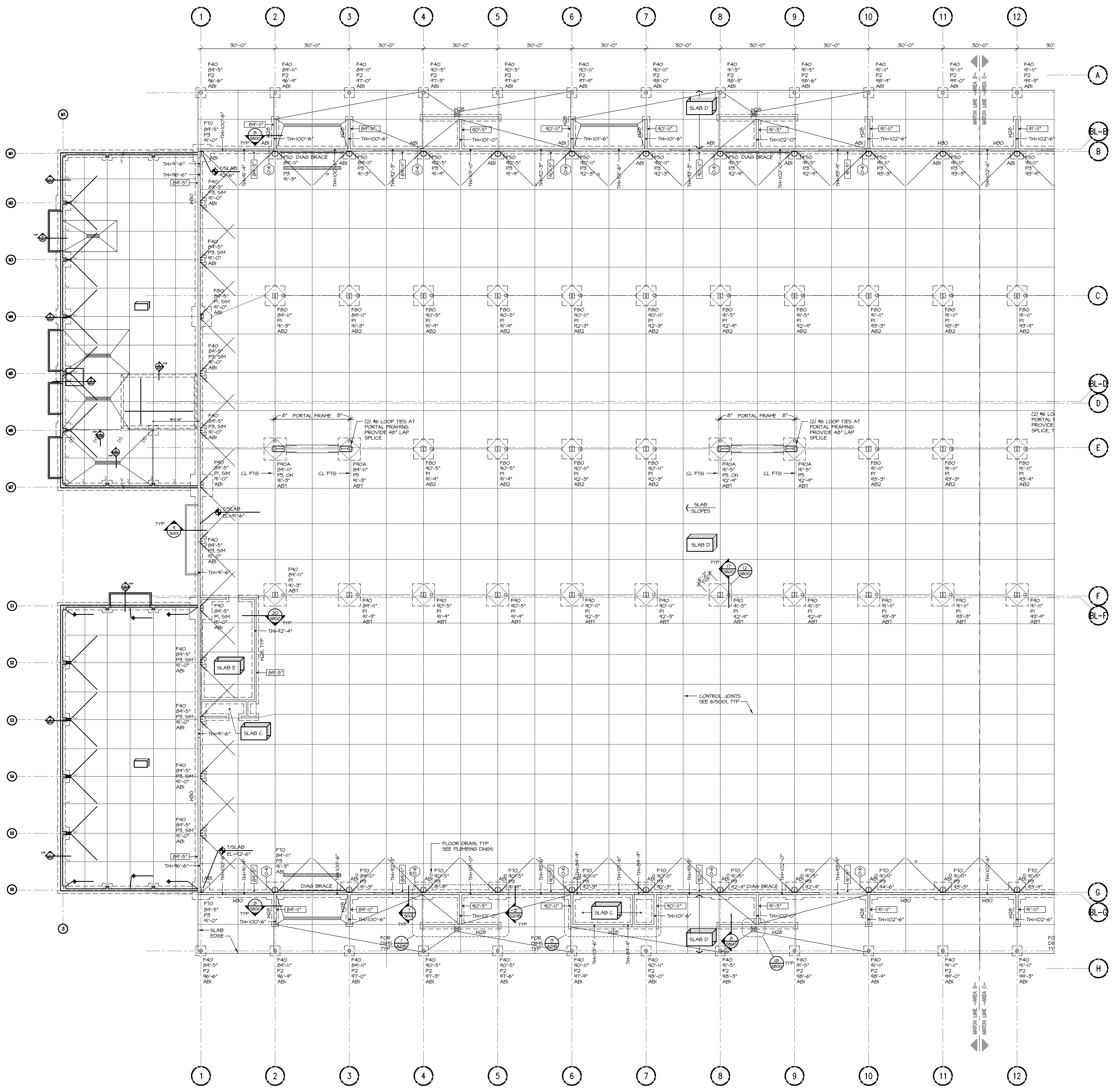
PROJECT NO. 2013027_02

PROJECT TITLE
ALLIANT ENERGY
CENTER PAVILIONS
BID # 313072

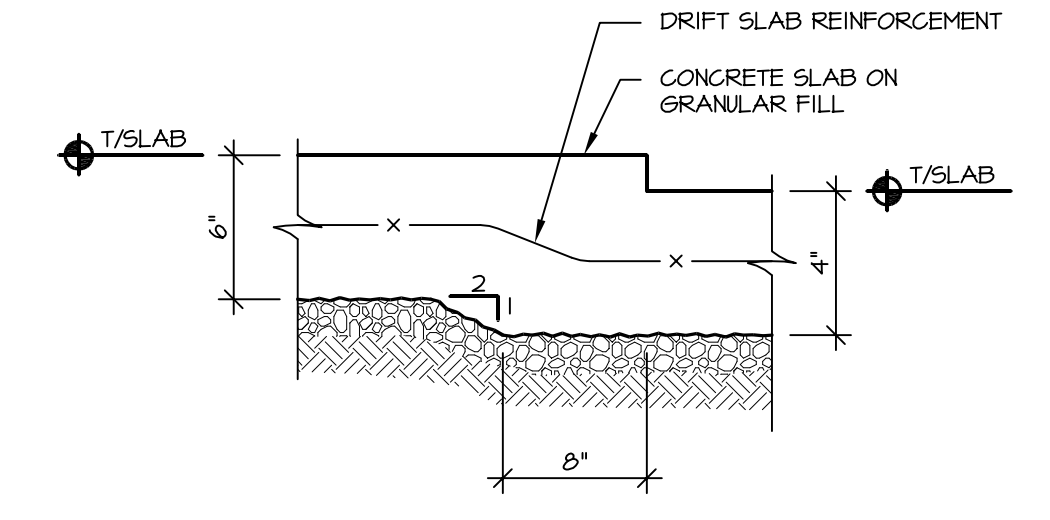
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

SHEET TITLE
FOUNDATION PLAN
AREA C

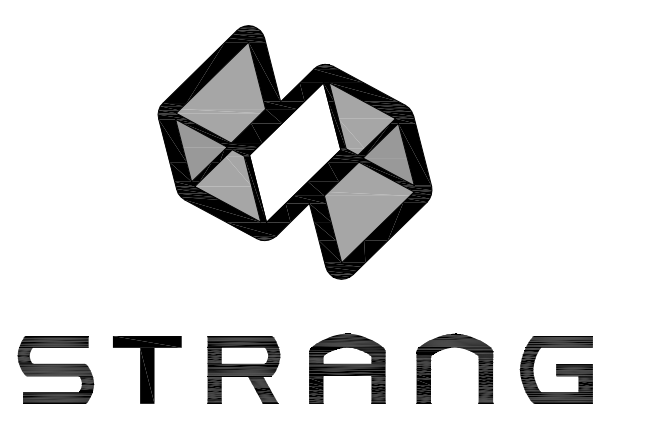
SHEET NO.
S201C



- FOUNDATION PLAN NOTES:**
- 1) FINISH SLAB ELEVATION = SLOPES. SEE PLAN TOP OF FOOTING ELEVATION = VARIES. SEE PLAN.
 - 2) SLAB D, SEE 5400 FOR SLAB REINFORCEMENT SCHEDULE.
 - 3) OVER-EXCAVATION PER DETAIL U5001 MAY BE REQUIRED TO REMOVE EXISTING UNCOMPACTED FILL AND UNSUITABLE BEARING SOIL.
 - 4) TYPICAL DETAILS THAT APPLY TO PLAN INCLUDE:
 2/5001 FOOTING STEP DETAIL (CONCRETE)
 3/5001 FOOTING STEP DETAIL (CONCRETE)
 4/5001 CONCRETE WALL JOINT DETAIL
 5/5001 PIPE PASSING UNDER WALL FOOTING
 6/5001 SLAB ON GRADE JOINT DETAIL
 7/5001 OVERHEAD DOOR AT APRON
 8/5001 CONCRETE WALL OPENING DETAIL
 9/5001 STOOP DETAIL
 12/5001 CORNER REINFORCEMENT DETAIL
 - 5) TYPICAL WHERE SLAB-ON-GRADE ABUTS WALL OR COLUMN, PROVIDE 1/4" x 600 DEPTH ISOLATION FILLER STRIP. SET STRIP 1/4" BELOW FINISH SLAB ELEVATION.
 - 6) ALL FOUNDATION, FOOTING AND PIER SIZES TO BE VERIFIED/CONFIRMED WITH METAL BUILDING FINAL DESIGN. SIZES/ORIENTATIONS SHOWN ARE BASED ON PRELIMINARY INFORMATION ONLY.
 - 7) SEE 5800 FOR PIER DETAILS, TYPICAL.
 - 8) SEE A218 FOR WASH BAY AND STORAGE AREA DIMENSIONS.
 - 9) SLAB D, SEE 5400 FOR SLAB REINFORCEMENT SCHEDULE.
 - 10) SLAB C, SEE 5400 FOR SLAB REINFORCEMENT SCHEDULE.



2 SLAB-ON-GRADE DEPRESSION
SCALE: NONE



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

STRANG INC.
8411 MINERAL POINT ROAD
MADISON, WI 53705-4335
T/ 608 278 8200
F/ 608 278 8204

CONSULTANT
ARNOLD & SHERIDAN, INC.
728 HEARTLAND TRAIL
MADISON, WI 53717

T/ 608 821 8500 A&O PROJECT #130172
F/ 608 821 8501
Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including but not limited to, temporary supports, shoring, forming to support proposed loads and other similar items.

DRAWING SET	CD
COPYRIGHT	2013
STRANG, INC.	
FILE NAME	130172_S201D.DWG
REVISIONS	
ADDENDUM #1	11-01-13
DRAWN	A&O
CHECKED	TJD
DATE	10-29-13
PROJECT NO.	2013027_02

PROJECT TITLE
**ALLIANT ENERGY
CENTER PAVILIONS
BID # 313072**

1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

SHEET TITLE
**FOUNDATION PLAN
AREA D**

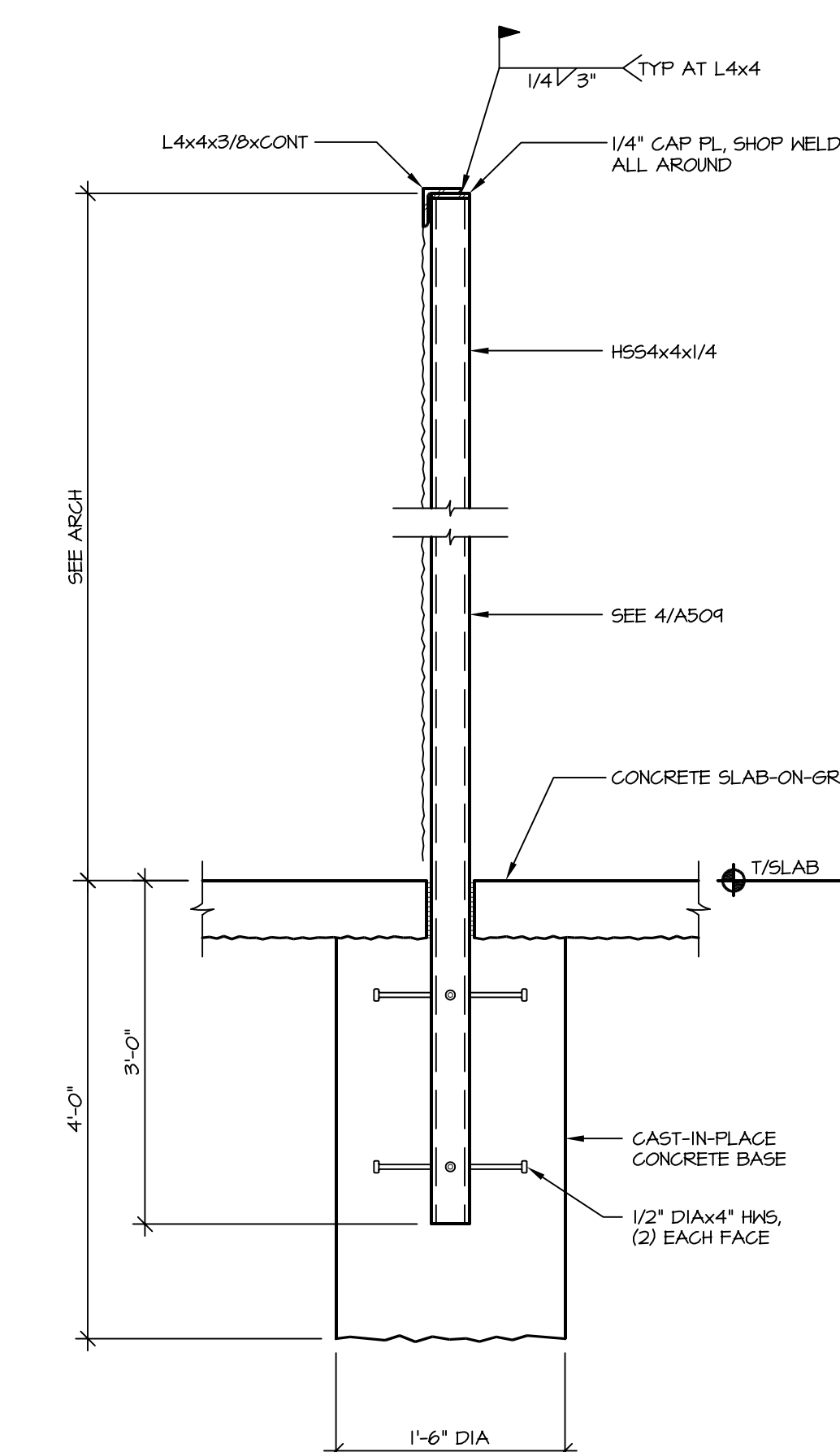
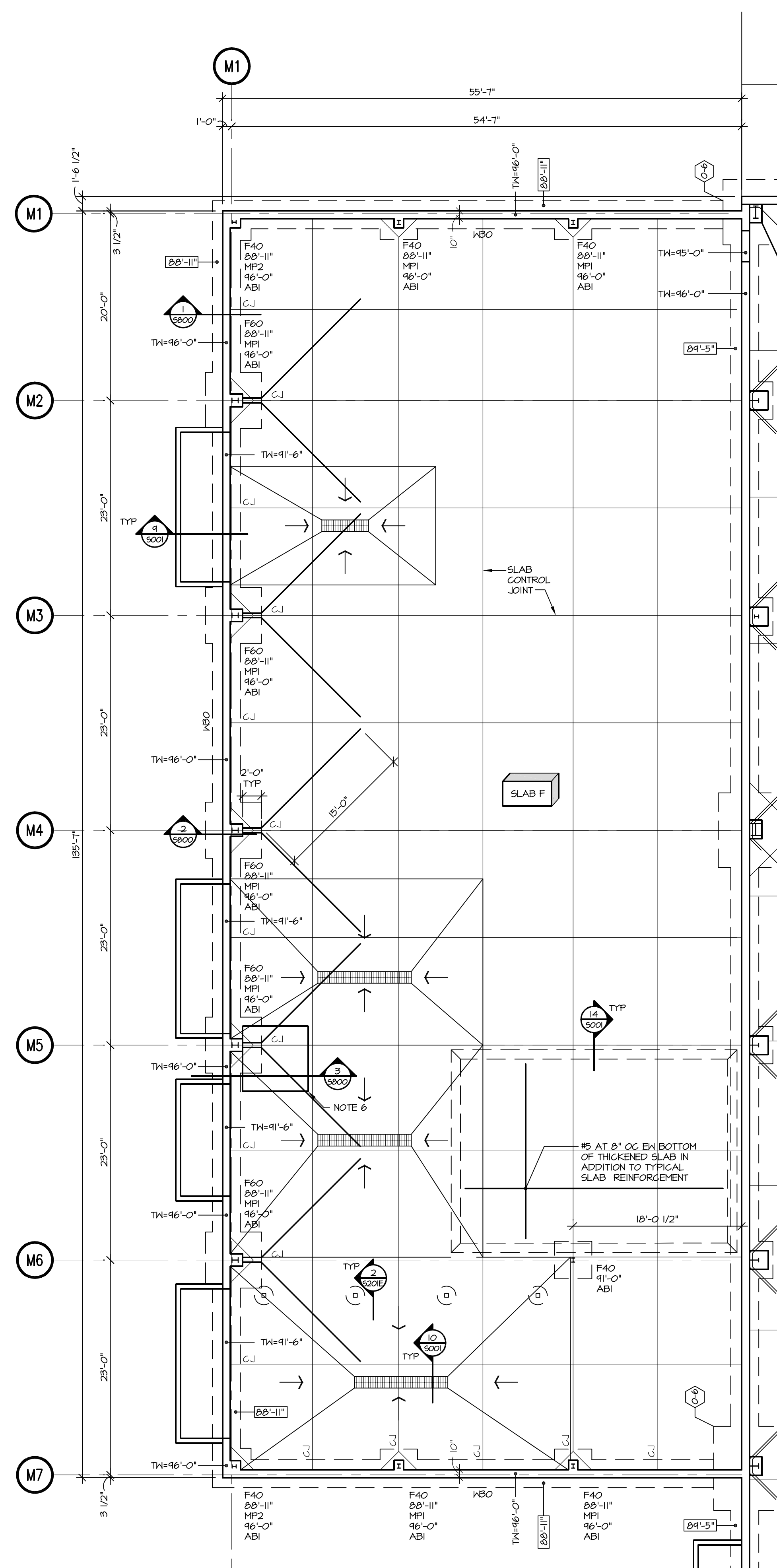
SHEET NO.
S201D

FOUNDATION PLAN - AREA D
SCALE: 1/16" = 1'-0"



FOUNDATION PLAN NOTES

- 1) FINISH SLAB ELEVATION = $+2'-6"$ LOCAL DATUM (UNLESS NOTED OTHERWISE, TOP OF FOOTING ELEVATION = $+8'-3"$ UNLESS NOTED OTHERWISE).
- 2) SLAB F. SEE S900 FOR SLAB REINFORCEMENT SCHEDULE.
- 3) OVER-EXCAVATION PER DETAIL 1/5001 MAY BE REQUIRED TO REMOVE EXISTING UNDOCUMENTED FILL AND UNSUITABLE BEARING SOIL.
- 4) TYPICAL DETAILS THAT APPLY TO PLAN INCLUDE:
2/5001 FOOTING STEP DETAIL
3/5001 FOOTING STEP DETAIL
4/5001 CONCRETE WALL JOINT DETAIL
5/5001 FIVE PASSING UNDER WALL FOOTING
6/5001 SLAB ON GRADE JOINT DETAIL
8/5001 CONCRETE WALL OPENING DETAIL
9/5001 STUOP DETAIL
12/5001 CORNER REINFORCEMENT DETAIL
- 5) TYPICAL WHERE SLAB-ON-GRADE ABUTS WALL OR COLUMN, PROVIDE $1/4" \times (800 \text{ DEPTH})$ ISOLATION FILLER STRIP. SET STRIP $1/4"$ BELOW FINISH SLAB ELEVATION.
- 6) $1'-0" \times 1'-0" \times 3'-6"$ JIB CRANE BASE PAD, T/PAD = $42'-6"$.
- 7) ALL FOUNDATION FOOTINGS AND PIER SIZES TO BE VERIFIED/CONFIRMED WITH METAL BUILDING FINAL DESIGN. SIZES/ORIENTATIONS SHOWN ARE BASED ON PRELIMINARY INFORMATION ONLY.



CONSULTANT

ARNOLD & O'SHERIDAN, INC.
728 HEARTLAND TRAIL
MADISON, WI 53717



T/ 608 821 8500
F/ 608 821 8501
A&O PROJECT #130172
Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including but not limited to, temporary supports, shoring, forming to support imposed loads and other similar items.

DRAWING SET CD

COPYRIGHT STRANG, INC. 2013

FILE NAME 130172_S201E.DWG

REVISIONS

ADDENDUM #1 11-01-13

DRAWN A&O

CHECKED TJD

DATE 10-29-13

PROJECT NO. 2013027_02

PROJECT TITLE

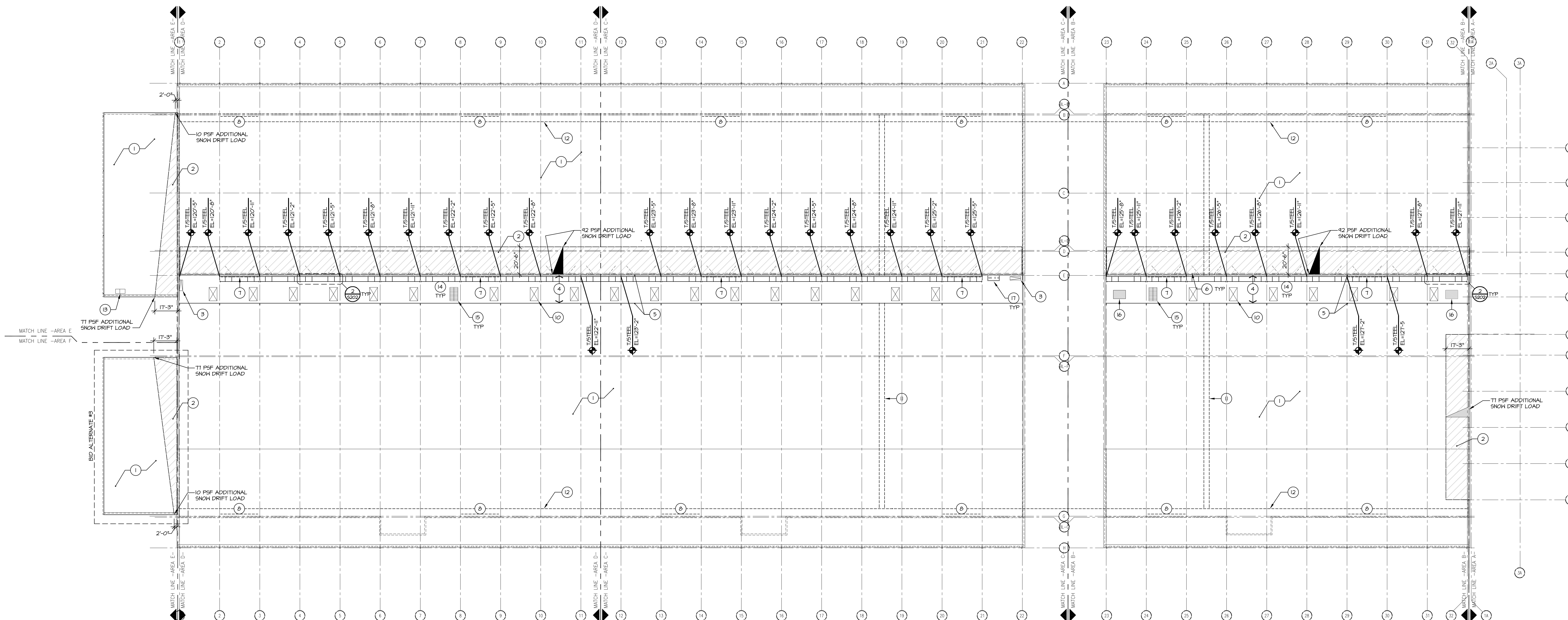
ALLIANT ENERGY CENTER PAVILIONS BID # 313072

1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

SHEET TITLE
FOUNDATION PLAN AREA E

SHEET NO.
S201E

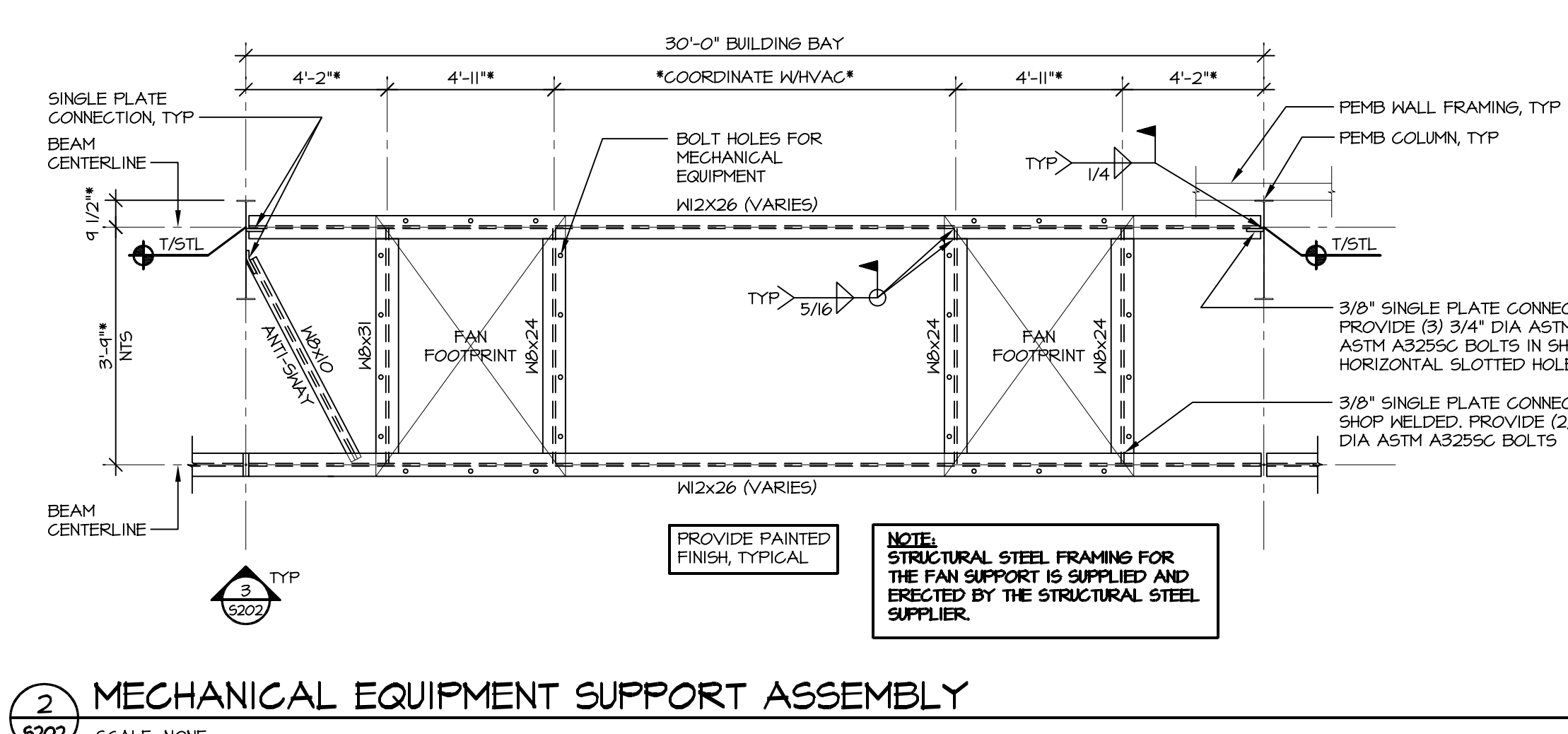




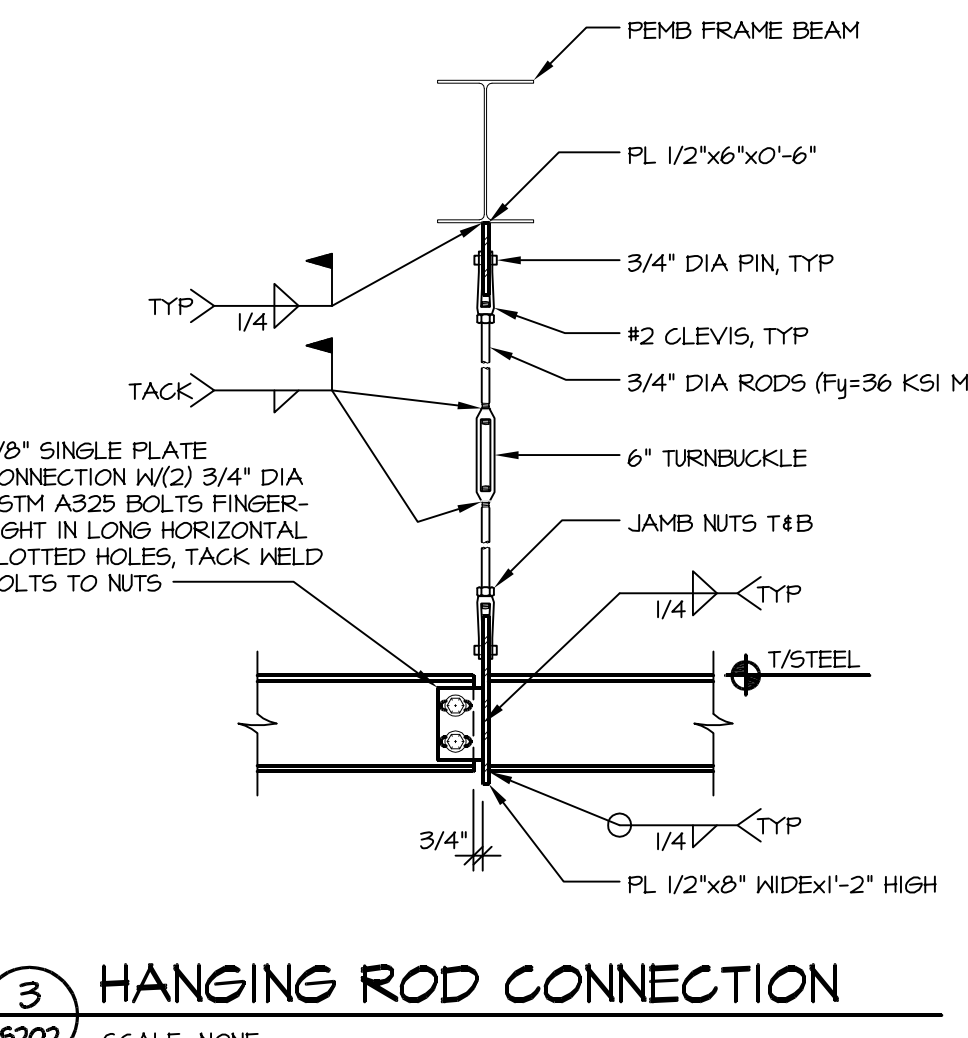
1 MEZZANINE AND ROOF LOADS
SCALE: 1/32" = 1'-0"

- KEYED NOTES:**
- 1 TYPICAL ROOF SNOW LOAD AND 5 PSF COLLATERAL DEAD LOAD. THE NOTED COLLATERAL DEAD LOADS ARE FOR HVAC SUPPLY SOCKS, LIGHTING AND ADDITIONAL MISCELLANEOUS DEAD LOADS. PROVIDE THE NOTED COLLATERAL DEAD LOAD AT THE ROOF OVER MECHANICAL EQUIPMENT CHASE.
 - 2 SNOW DRIFT LOAD THAT IS IN ADDITION TO THE TYPICAL ROOF SNOW LOAD.
 - 3 PLENUM ACCESS, SEE ARCH.
 - 4 WELDABLE PLENUM 20 PSF LIVE LOAD, 10 PSF COLLATERAL DEAD LOAD.
 - 5 PLENUM WALL, 10 PSF COLLATERAL DEAD LOAD, +/-5 PSF LATERAL AIR MOVEMENT PRESSURE.
 - 6 SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFO.
 - 7 PORTAL FRAME BAY.
 - 8 LATERAL BRACE BAY.
 - 9 NOT USED.
 - 10 HOLE IN PLENUM FLOOR AND MECHANICAL DUCTWORK BELOW. PROVIDE 80 PSF COLLATERAL DEAD LOAD FOR MECHANICAL DUCTWORK SUPPORTED FROM THE PEMB FRAME FOR THE PLENUM CHASE.
 - 11 DIAL WIRES TO SUPPORT SUPPLY AIR DUCTWORK SOCK (3 PLF). EACH WIRE IS TENSIONED TO 500 LBS. THE WIRE IS SUPPORTED APPROXIMATELY AT 10'-0" FROM THE PEMB STRUCTURE, TYPICAL EACH BUILDING BAY.
 - 12 GAS-FIRED RADIANT HEATERS AT 5 PLF COLLATERAL DEAD LOAD SUPPORTED BY THE PEMB ROOF STRUCTURE. COMBUSTION IS 50 LB EACH AND 100 LBS AT THE ROOF EXHAUST FAN. SEE HVAC DRAWINGS FOR THIS EQUIPMENT LOCATION.
 - 13 PEMB ROOF SUPPORT MAKE-UP AIR HANDLING UNIT, 1500 LBS COLLATERAL DEAD LOAD.
 - 14 COLD-FORMED STEEL FRAMING FOR WALLS, FLOOR AND CEILING. CONNECT TO THE PEMB STRUCTURAL SYSTEM TO CREATE THE AIR PLENUM. TYPICAL PROVIDE A STRUCTURAL PANEL DECK AS NOTED IN 2/AS09 IN THE WALK-ABLE PLENUM. SEE SPECIFICATION SECTION 05100. SECURE CONCRETE PANELS WITH #2 SELF-DRILLING FLATHEAD SCREWS AT 12" OC, TYPICAL.
 - 15 PROVIDE WELDED STEEL GRATING WITH BEARING BARS AT 3" OC AND CROSS-BARS AT 3" TO 4" OC (GALV). BEAR GRATING ON COLD-FORMED STEEL FRAMING TO CREATE A LEVEL WALKING SURFACE USING A GAUGE BENT PLATE OR STEP DOWN TRACK, CORRELATE WITH NOTE 4 FOR LOADING.
 - 16 MECHANICAL EQUIPMENT ROOF SUPPORTED USING 1" DIA THREAD-ALL RODS. ASSUMED 4000 LBS EQUIPMENT HEIGHT.
 - 17 PROVIDE FRAMED OPENING FOR MECHANICAL FLUE PIPES.

NOTE:
ALL LOADS IMPOSED ON THE PRE-ENGINEERED METAL BUILDING MAY NOT BE NOTED ON THIS DRAWING. PRE-ENGINEERED METAL BUILDING SUPPLIER IS RESPONSIBLE FOR REVIEWING ALL DRAWINGS FOR LOADS IMPOSED ON THE PRE-ENGINEERED METAL BUILDING.



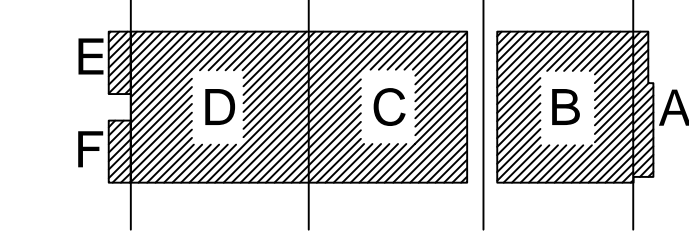
2 MECHANICAL EQUIPMENT SUPPORT ASSEMBLY
SCALE: NONE

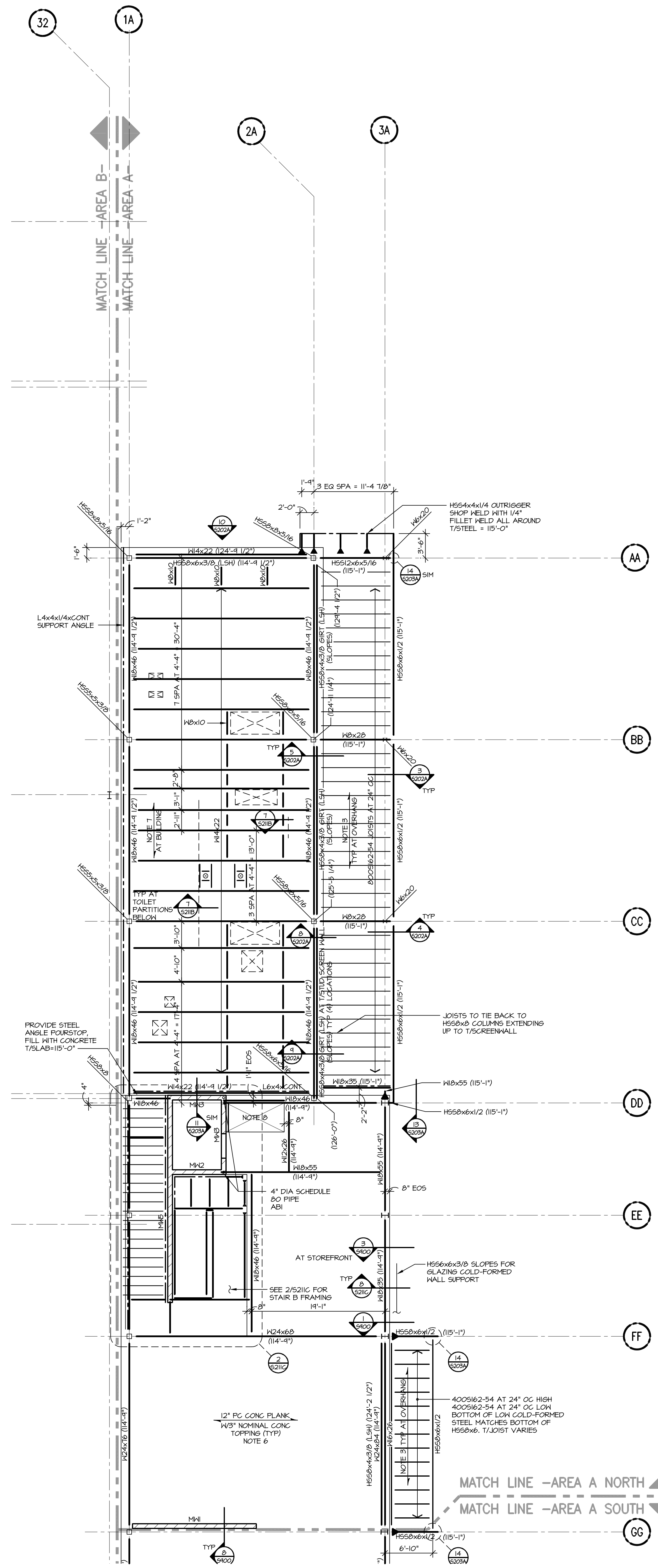


3 HANGING ROD CONNECTION
SCALE: NONE

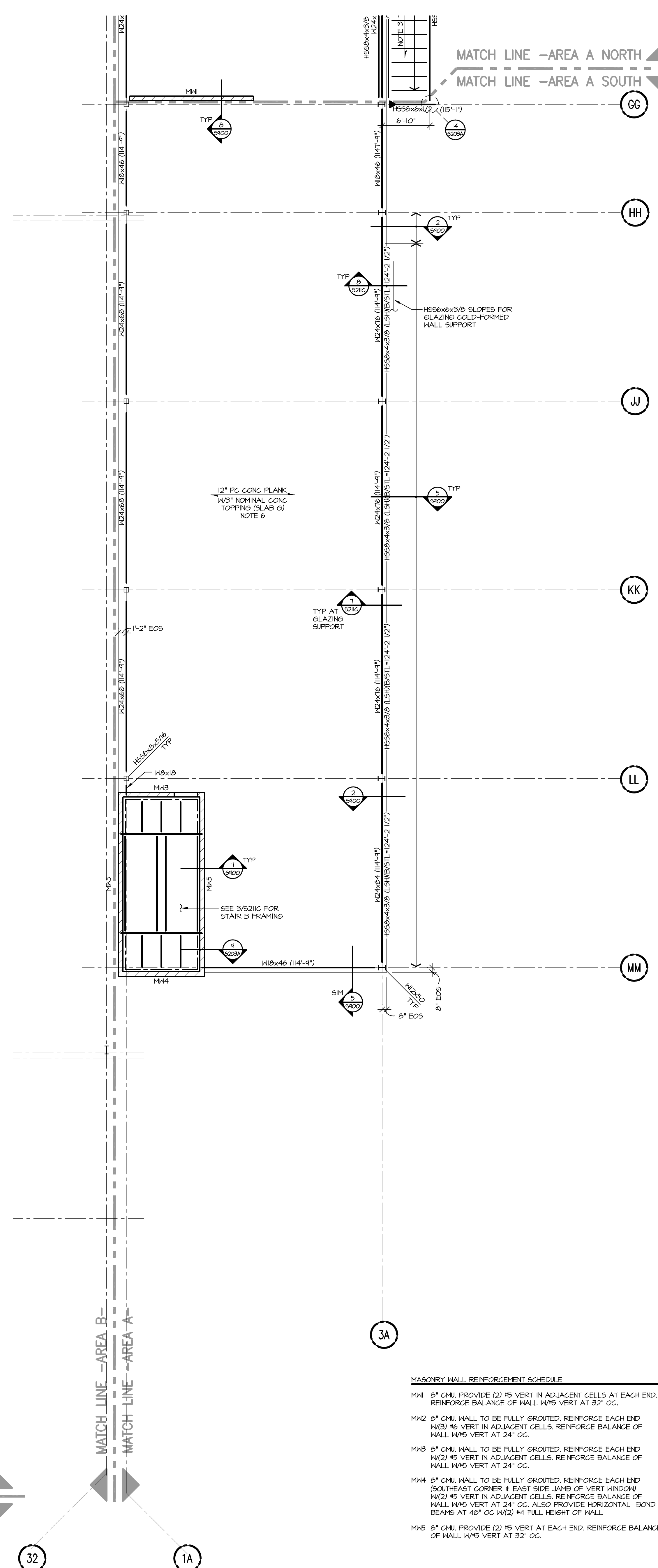
CONSULTANT	ARNOLD & O'SHERIDAN, INC. 726 HEARTLAND TRAIL MADISON, WI 53717
T/ 608 821 8500 F/ 608 821 8501	A&O PROJECT #130172
Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including but not limited to temporary supports, shoring, forming to support imposed loads and other similar items.	
DRAWING SET	CD
COPYRIGHT	STRANG, INC. 2013
FILE NAME	130172_S202.DWG
REVISIONS	
ADDENDUM #1	11-01-13
DRAWN	A&O
CHECKED	TJD
DATE	10-29-13
PROJECT NO.	2013027_02
PROJECT TITLE	ALLIANT ENERGY CENTER PAVILIONS BID # 313072

1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713





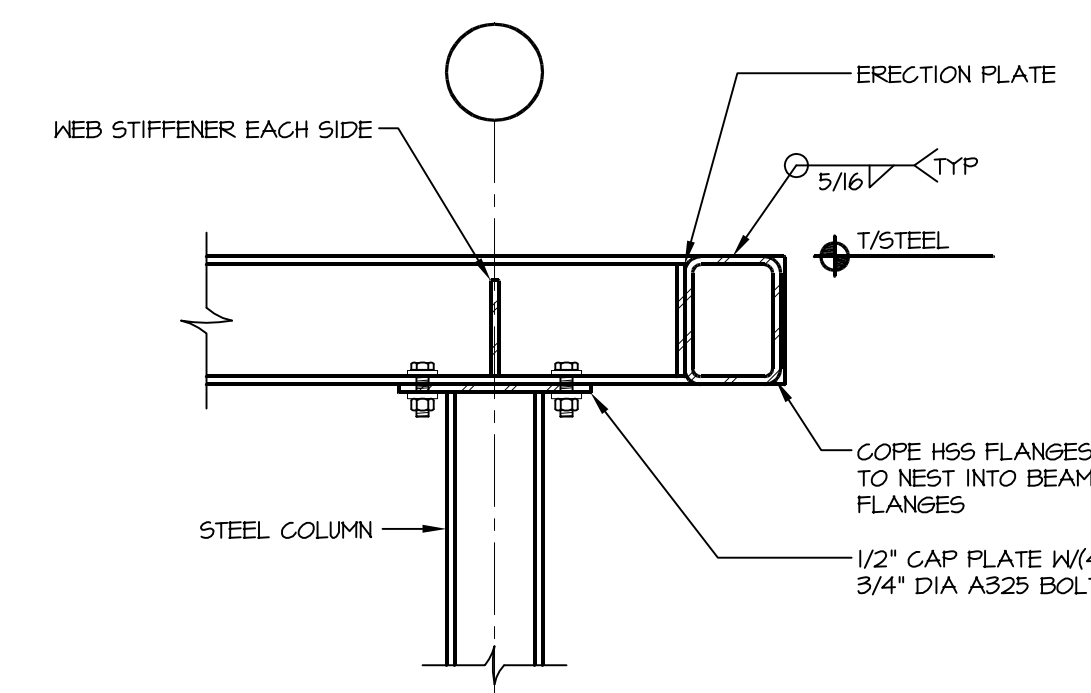
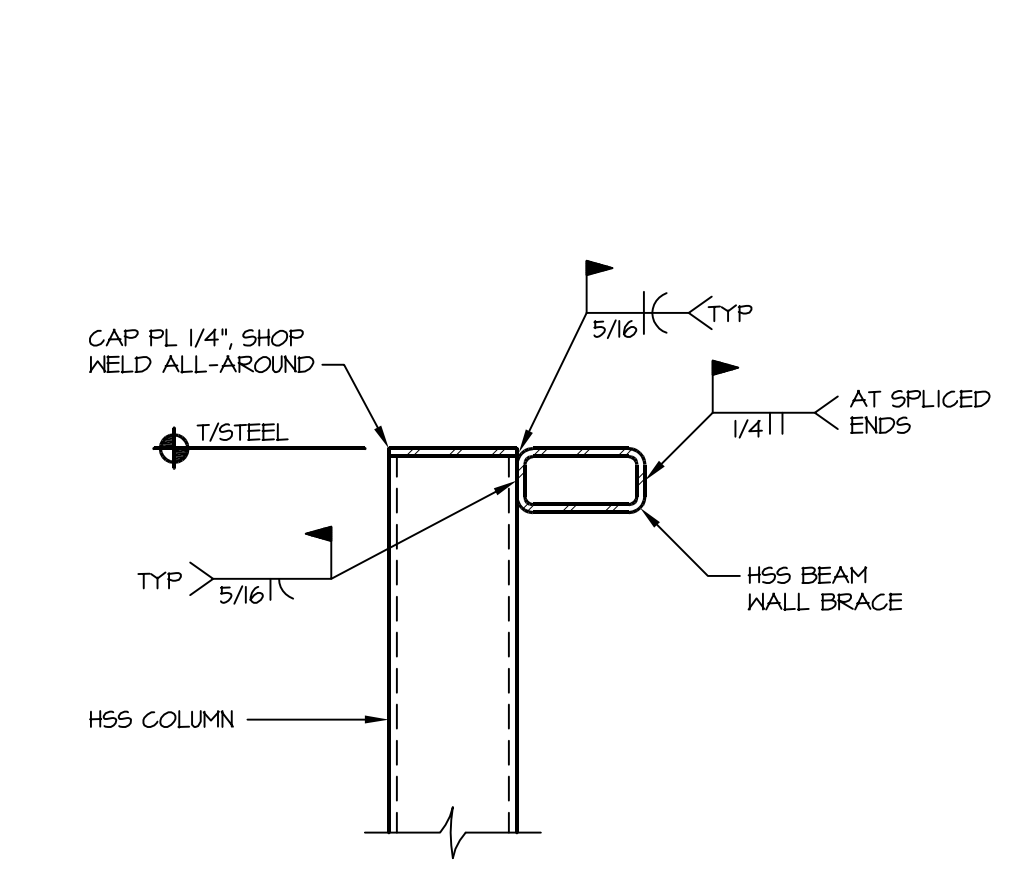
1 LOW ROOF FRAMING PLAN - AREA A NORTH
SCALE: 1/8" = 1'-0"



2 MEZZANINE FRAMING - AREA A SOUTH
SCALE: 1/8" = 1'-0"

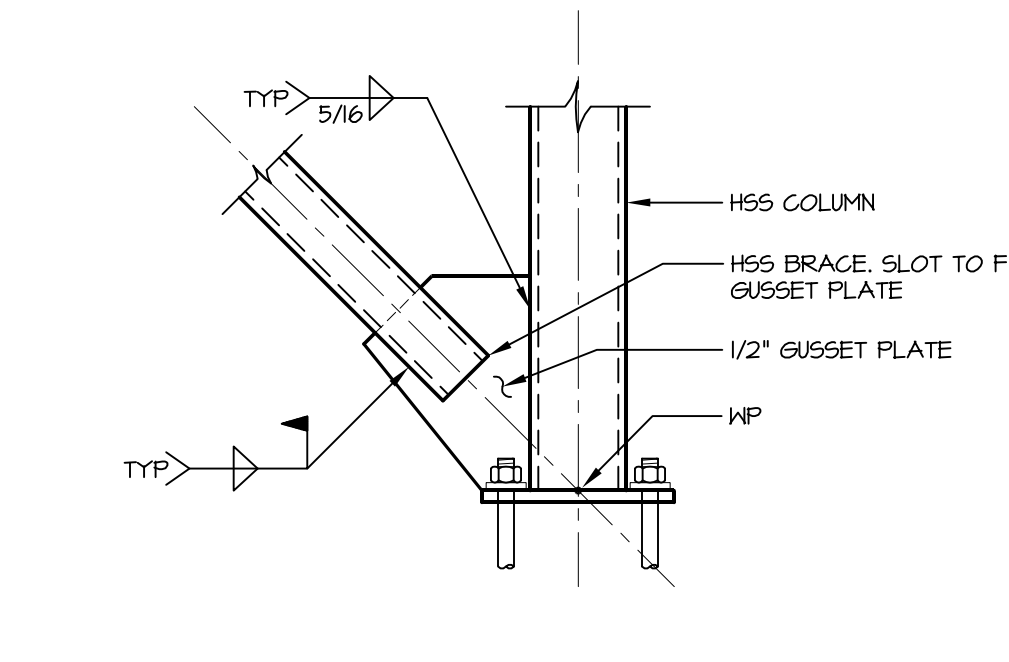
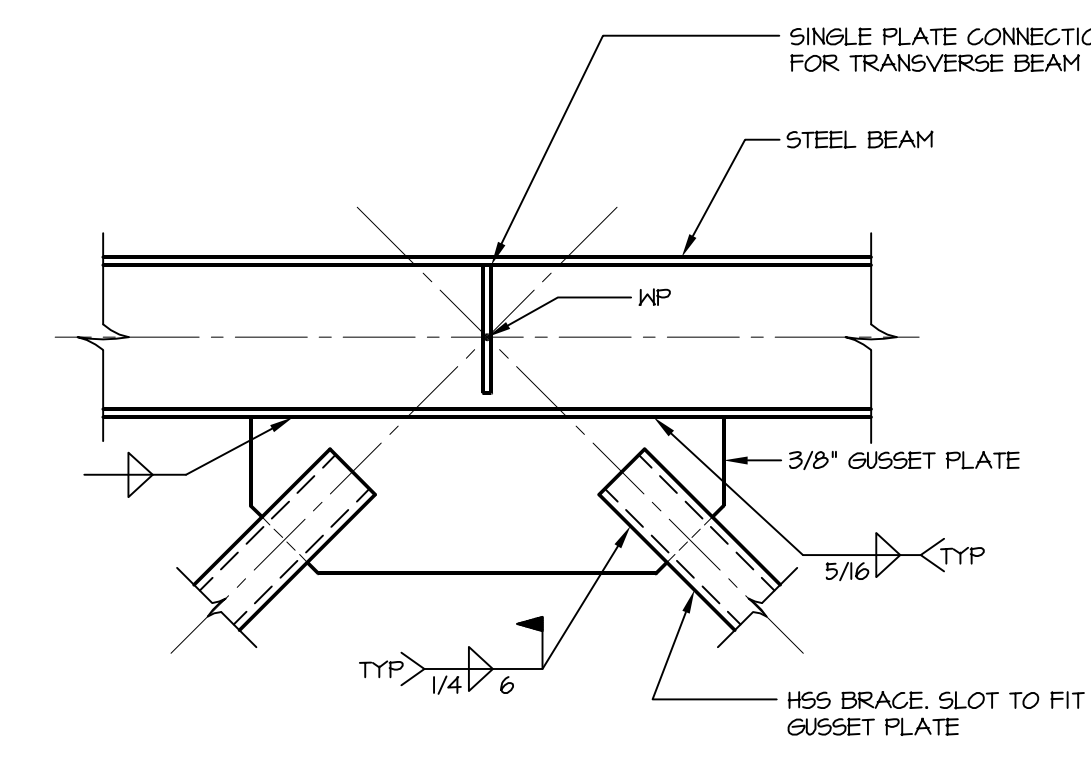
- NOTES:
- TOP OF PRECAST PLANK WITH 3" TOPPING = 116'-0"
 - METAL DECK BEARING ELEVATION = 15'-0".
JOIST BEARING ELEVATION = 14'-4 1/2"
 - 1 1/2" TYPE B, 24 GA METAL ROOF DECK (PRIME PAINTED). ATTACH TO STRUCTURE WITH 36/4 WELD PATTERN AND (3) #10 SELF-DRILLING SCREWS AT SIDE LAPS ON STEEL FRAMING. PROVIDE #10 SELF-DRILLING SCREWS AT 12" OC ON GOLD-FORMED STEEL JOISTS AND (1) #10 SELF-DRILLING SCREW AT SIDE LAPS BETWEEN JOISTS.
THICK = 0.0234 IN 1 P = 0.1210 IN#FT 5P = 0.1200 IN#FT
FY = 60 KSI N = 0.1210 IN#FT SN = 0.1310 IN#FT
 - PROVIDE GOLD-FORMED STEEL STUD BUNDLE TO FORM H556x4 SUPPORT AT SCREEN WALL. SEE DETAIL 5/5202A.
 - PROVIDE DOUBLE ANGLE BOLTED CONNECTIONS, TYPICAL.
 - 100 PSF LL + 10 PSF SUPERIMPOSED DEAD LOAD.
 - 1 1/2" TYPE BAI, 24 GA METAL ROOF DECK (PRIME PAINTED). ATTACH TO STRUCTURE WITH 5/8" DIA RIVOLE HELDS WITH 36/4 WELD PATTERN AND (3) #10 SELF-DRILLING SCREWS AT SIDE LAPS.
THICK = 0.0234 IN 1 P = 0.1210 IN#FT 5P = 0.1200 IN#FT
FY = 60 KSI N = 0.1210 IN#FT SN = 0.1310 IN#FT
 - FUTURE HVAC DUCT SHAFT. PROVIDE DECK SUPPORT ANGLE ALONG ELEVATOR SHAFT PER DETAIL 11/5202A. PROVIDE H2x22 ON W8 ALONG GRID LINE DD. SHOP WELD. PROVIDE BENT PL 1/4"x12"x2"x3" FOURSTOP, WELD TO W8. PROVIDE 1/2" METAL DECK TO BEAR ON PRECAST PLANK. SECURE TO PRECAST PLANK REINFORCE TOPPING SLAB WITH #5 AT 8" OC EACH WAY, EXTENDING 18" INTO ADJACENT TOPPING SLAB ALL AROUND.

3 JOIST BEARING
SCALE: 1/2"=1'-0"



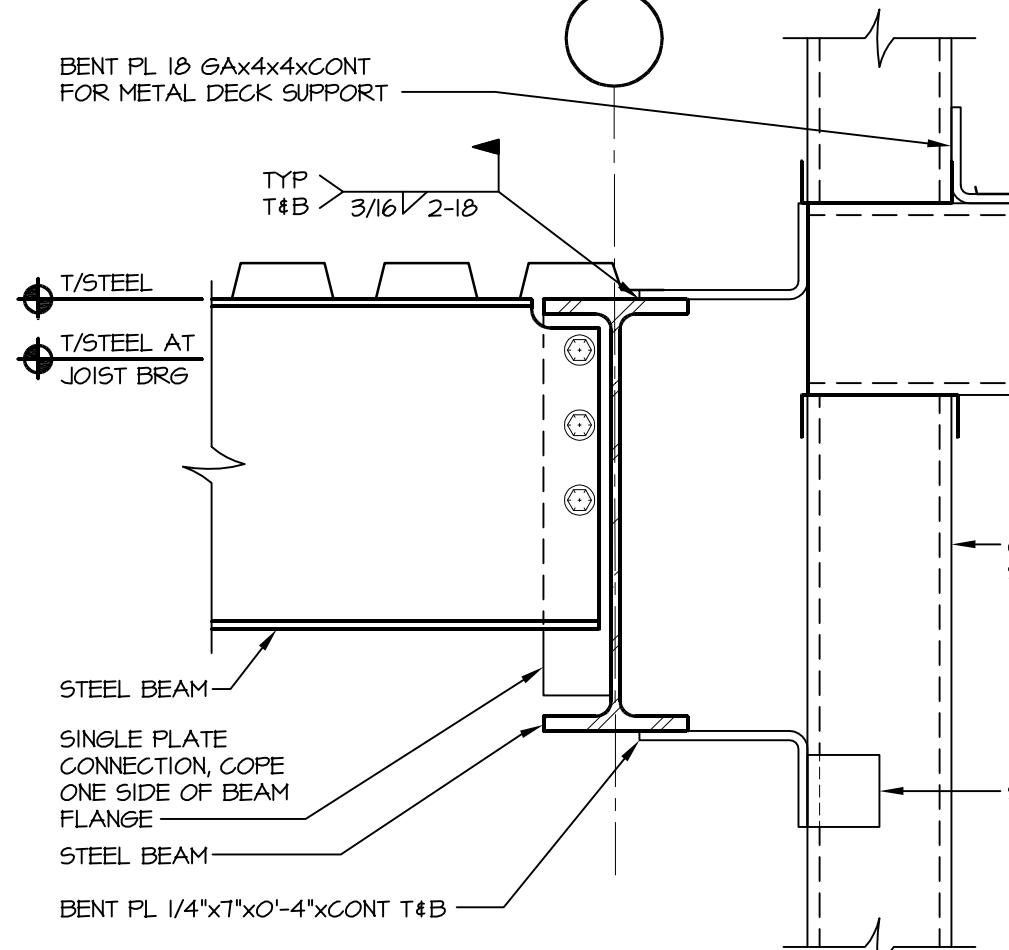
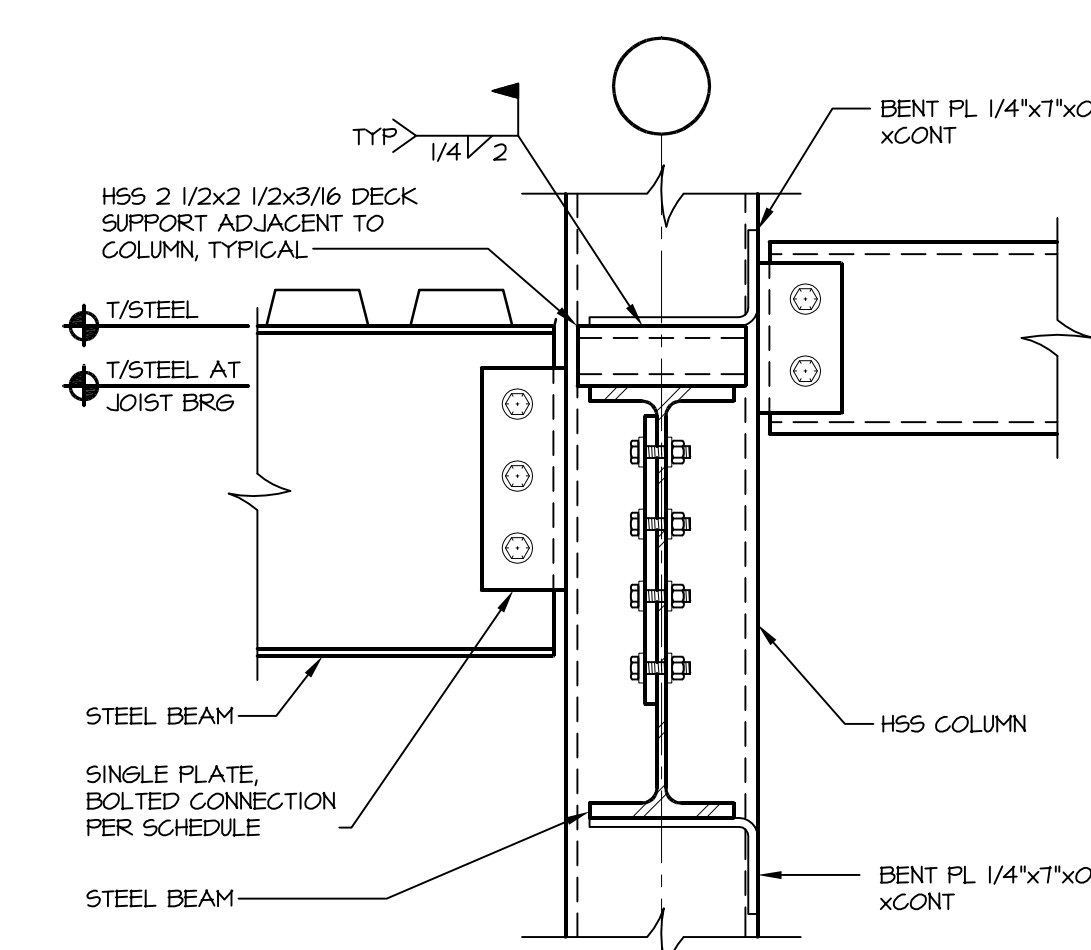
4 JOIST BEARING
SCALE: NONE

5 SCREEN WALL FRAMING
SCALE: NONE



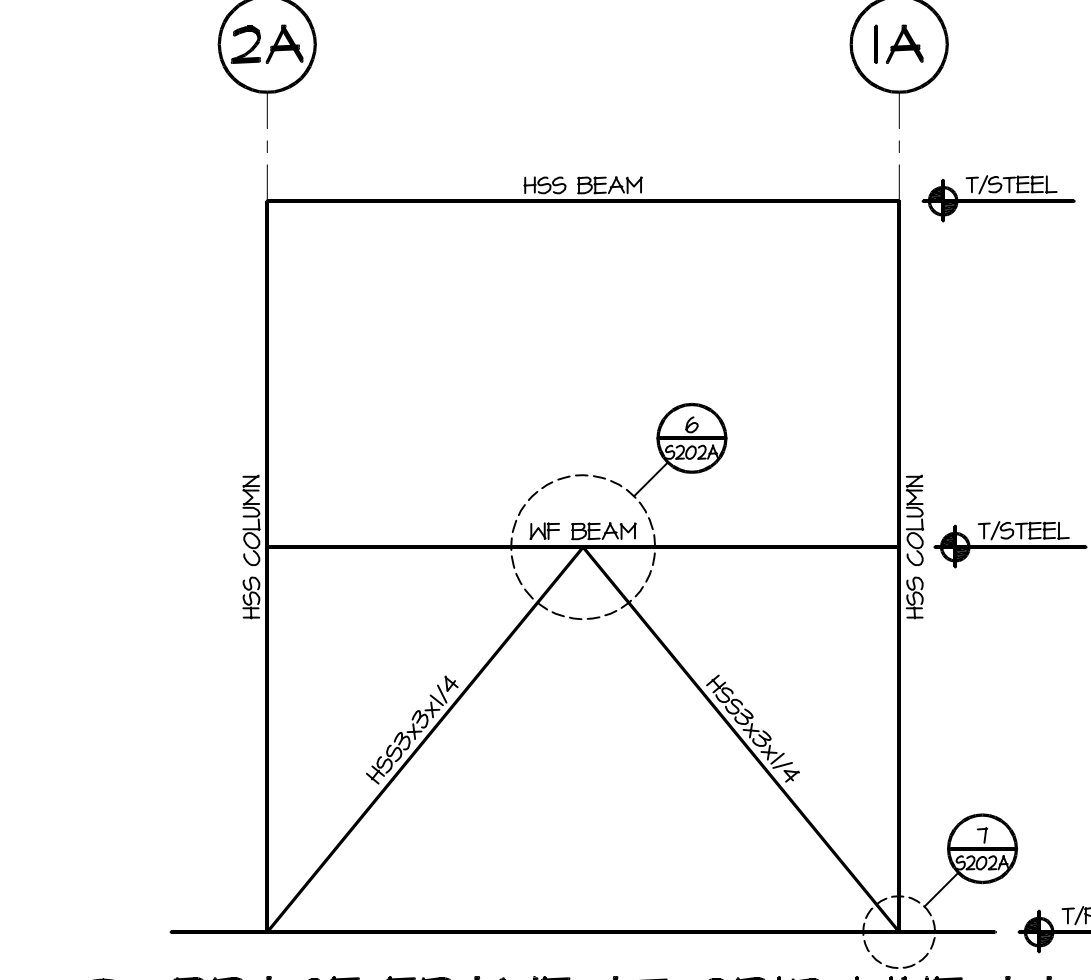
6 HSS BRACE CONNECTION
SCALE: NONE

7 HSS BRACE BASE CONNECTION
SCALE: NONE



8 FRAMING CONNECTION AT LOW ROOF
SCALE: 1/2"=1'-0"

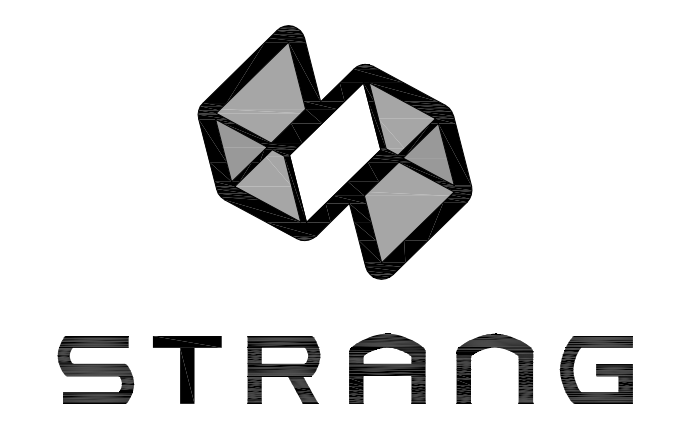
9 FRAMING CONNECTION AT LOW ROOF
SCALE: 1/2"=1'-0"



10 BRACE FRAME AT GRID LINE AA
SCALE: NONE



KEY PLAN



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

STRANG INC.
8411 MINERAL POINT ROAD
MADISON, WI 53705-4335
T/ 608 278 8200
F/ 608 278 8504

CONSULTANT
ARNOLD & O'SHERIDAN, INC.
728 HEARTLAND TRAIL
MADISON, WI 53717

T/ 608 821 8500
F/ 608 821 8501
A&O PROJECT #130172

DRAWING SET CD
COPYRIGHT STRANG, INC. 2013

FILE NAME 130172_S202A.DWG

REVISIONS
ADDENDUM #1 11-01-13
DRAWN A&O

CHECKED TJD

DATE 10-29-13

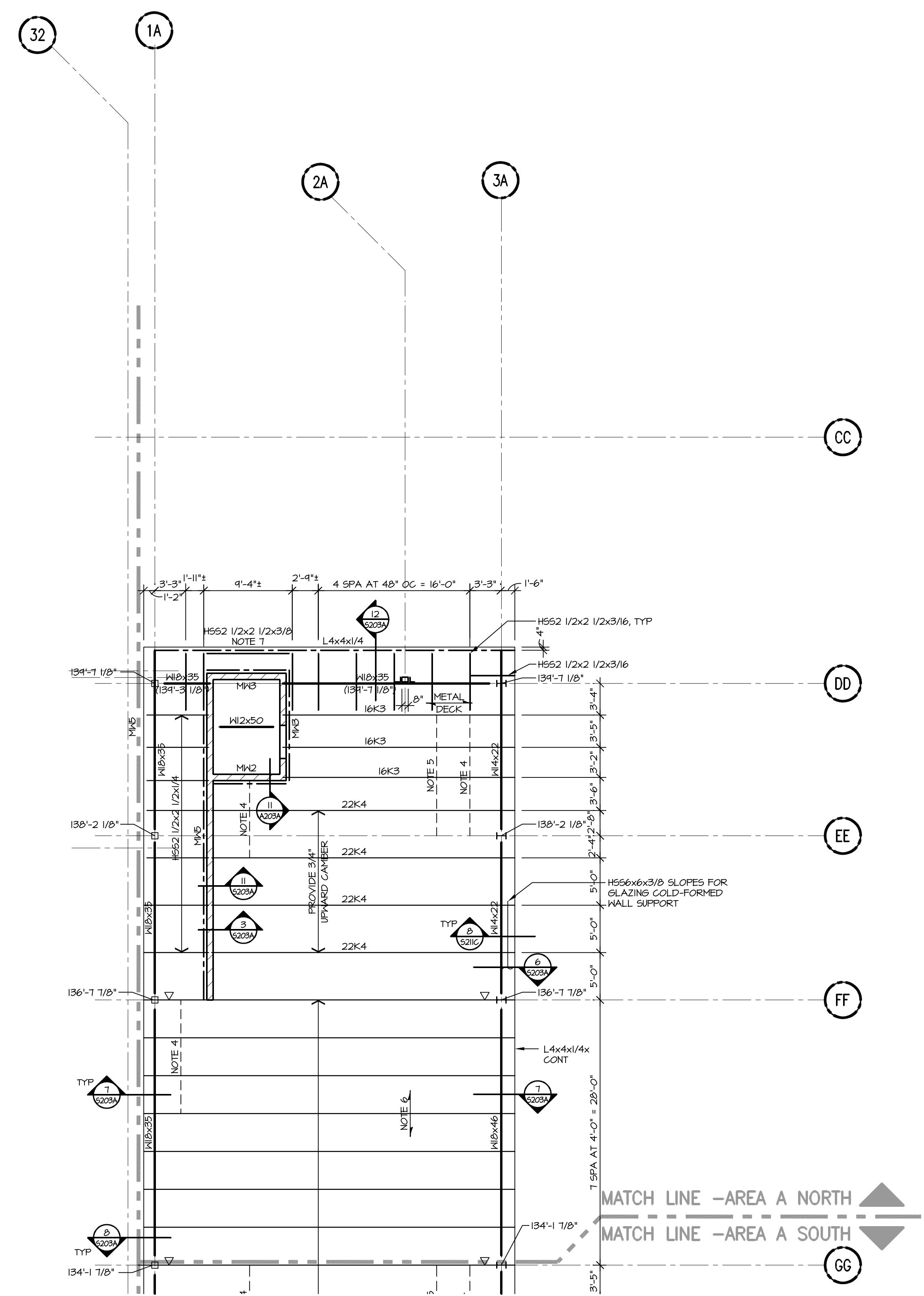
PROJECT NO. 2013027_02

PROJECT TITLE
ALLIANT ENERGY
CENTER PAVILIONS
BID # 313072

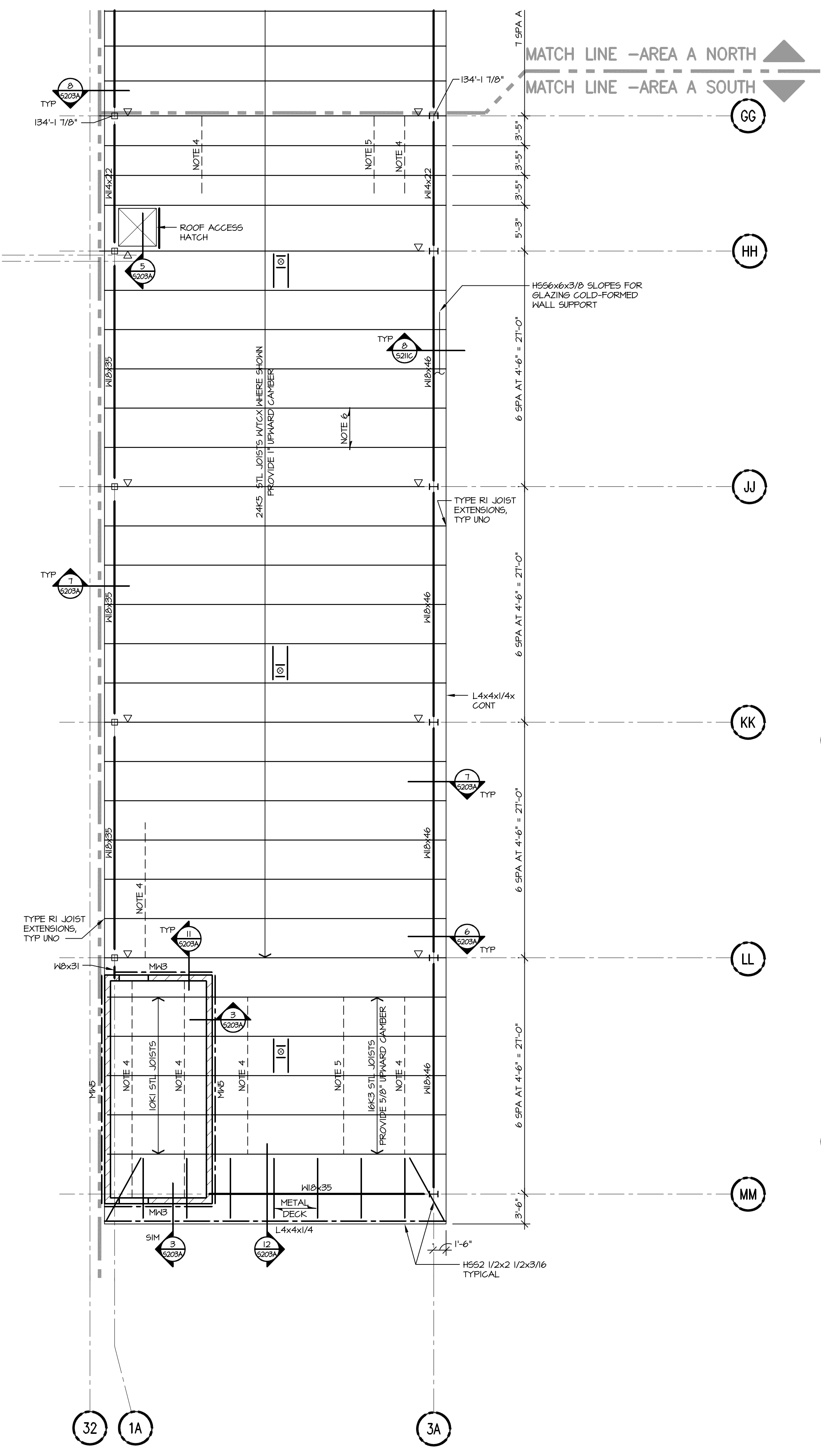
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

SHEET TITLE
MEZZANINE FRAMING
LOW ROOF FRAMING
AREA A

SHEET NO.
S202A

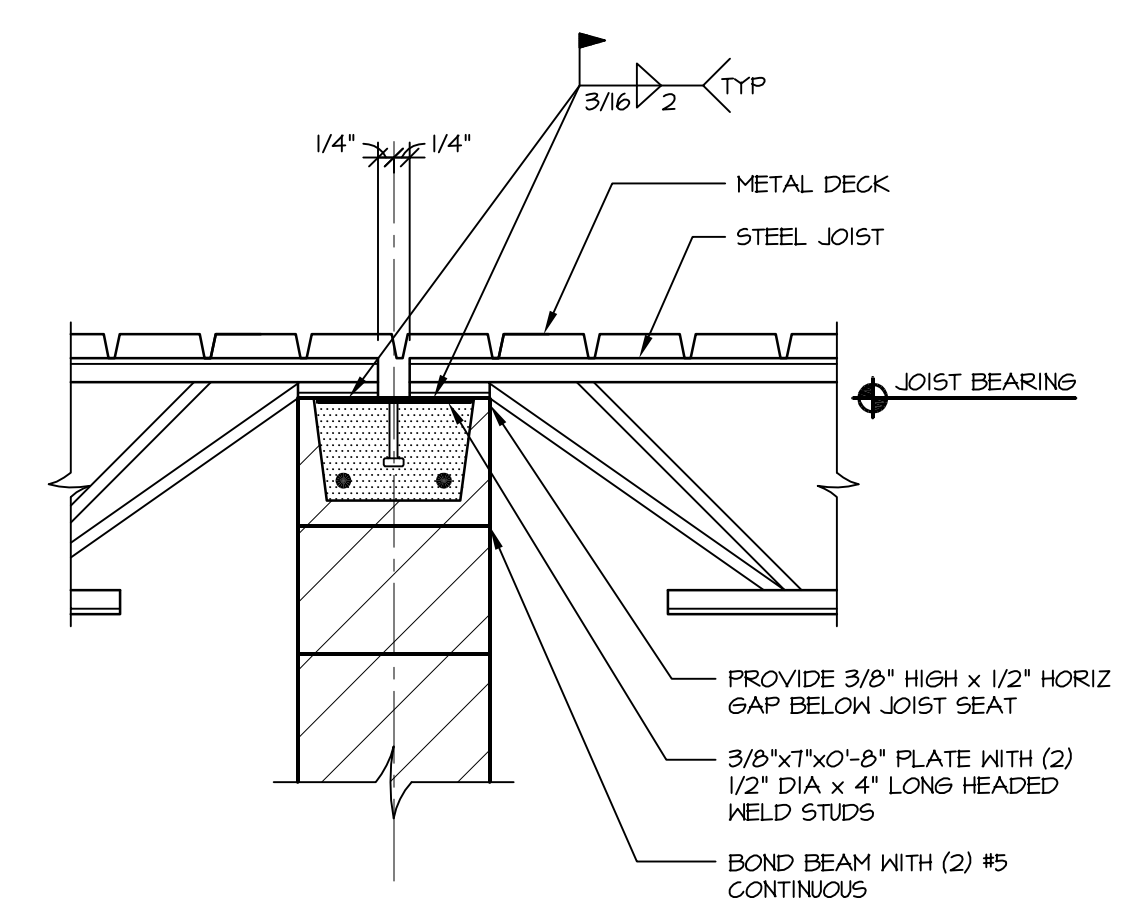


1 HIGH ROOF FRAMING PLAN - AREA A NORTH
SCALE: 1/8" = 1'-0"

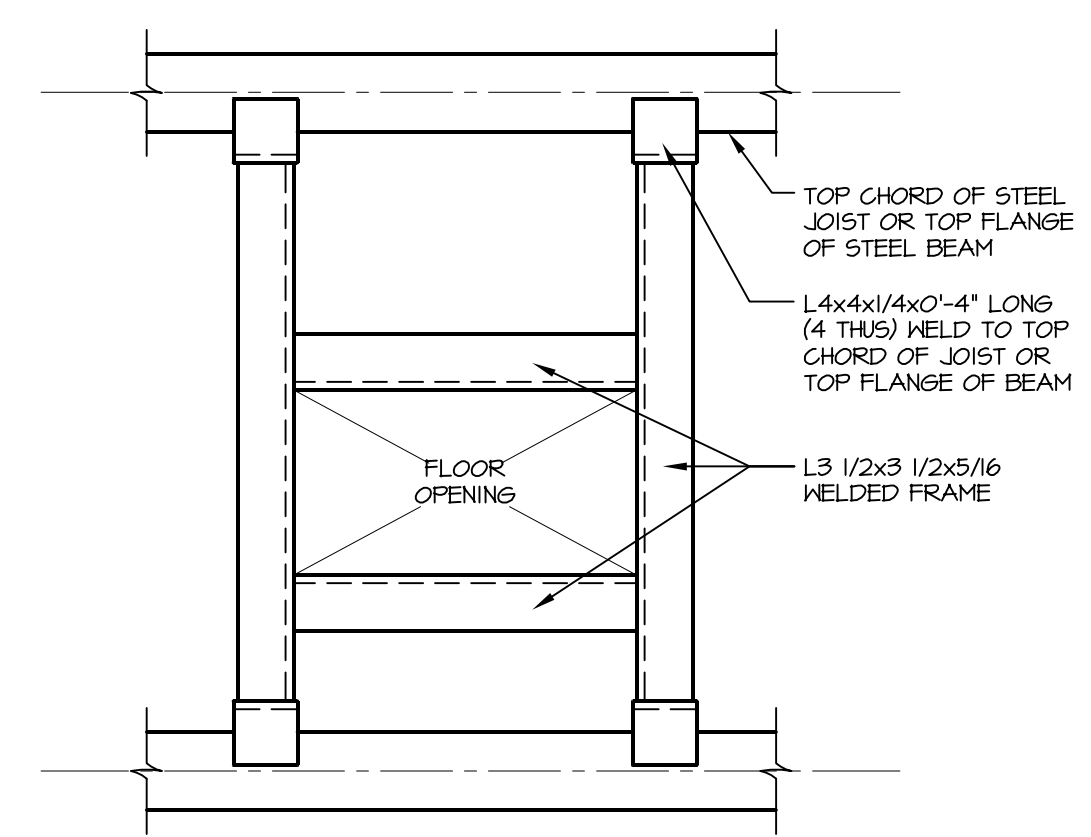


2 HIGH ROOF FRAMING PLAN - AREA A SOUTH
SCALE: 1/8" = 1'-0"

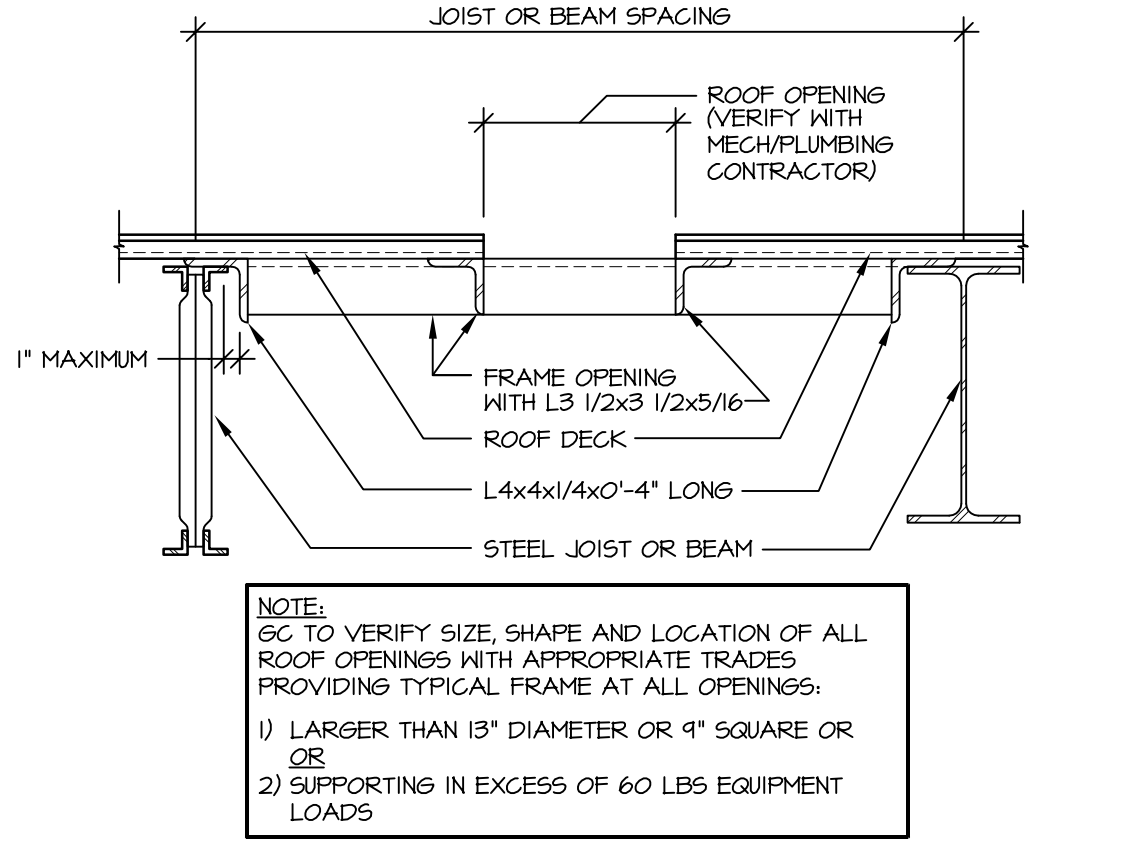
- NOTES:
- 1) TOP OF STEEL = 132'-4 1/2" UNO.
 - 2) JOIST BEARING ELEVATION = 132'-4 1/2"
 - 3) ∇ INDICATES JOIST BOTTOM CHORD EXTENSION
 - 4) WIND UPLIFT BRIDGING PER SJI REQUIREMENTS
 - 5) JOIST BRIDGING PER SJI REQUIREMENTS
 - 6) 1 1/2" TYPE BAI 24 GA METAL ROOF DECK (PRIME PAINTED). ATTACH TO STRUCTURE WITH 3/16" HELD PATTERN AND (3) #10 SELF-DRILLING SCREWS AT SIDE LAPS.
 - 7) FIELD HELD TO ADJACENT H552 1/2x2 1/2s
 - 8) H552x6x5/16 LOCATED IN WALL. PROVIDE BENT PL EACH SIDE WITH (2) THRU BOLTS IN LONG VERTICAL SLOTTED HOLES. SHOP HELD BENT PLATE TO N.B.



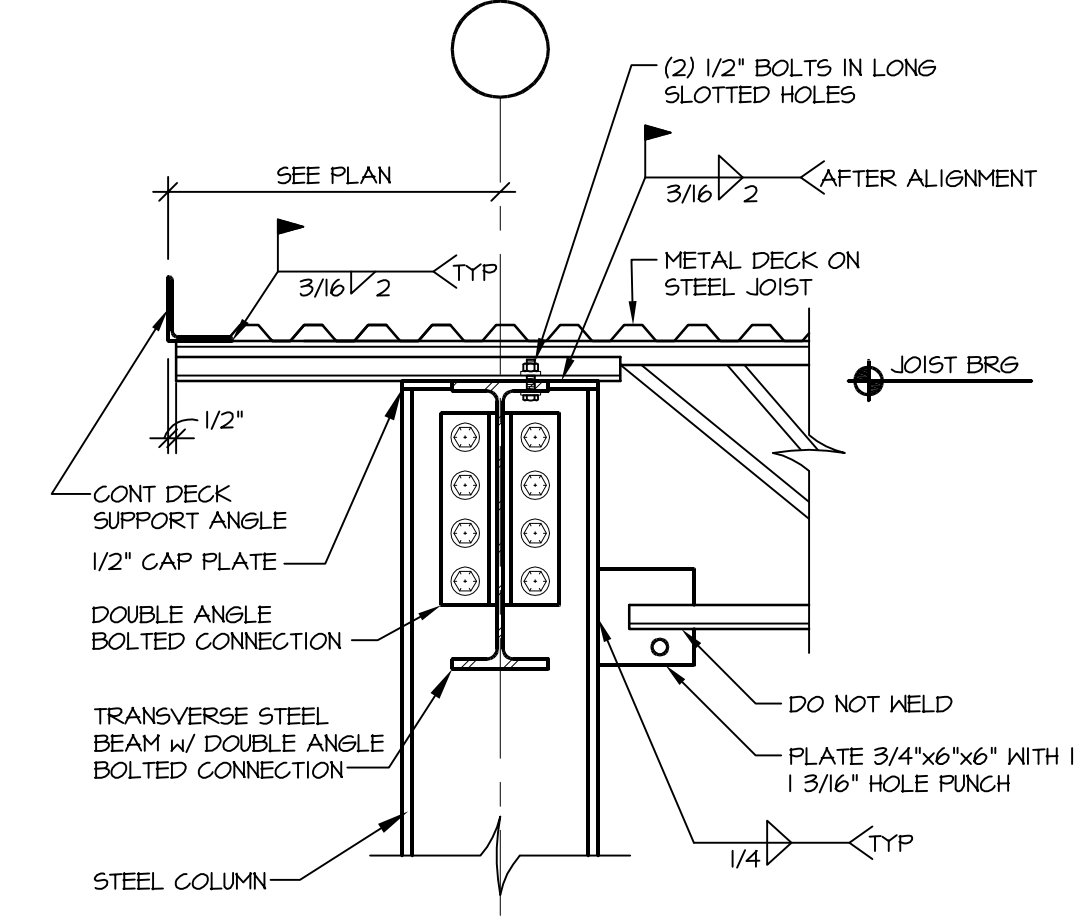
3 K-SERIES JOIST ON MASONRY WALL
SCALE: NONE



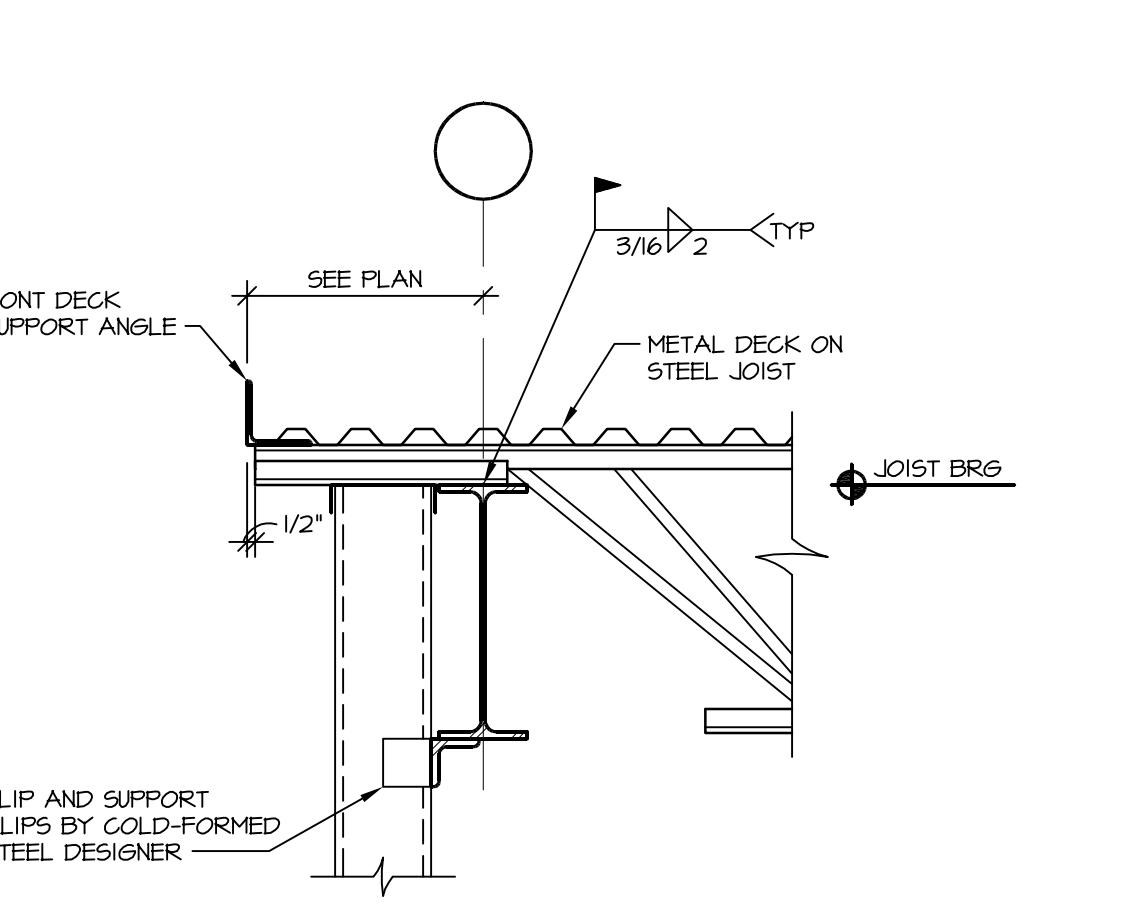
4 TYPICAL FRAMING AT FLOOR OPENINGS
SCALE: NONE



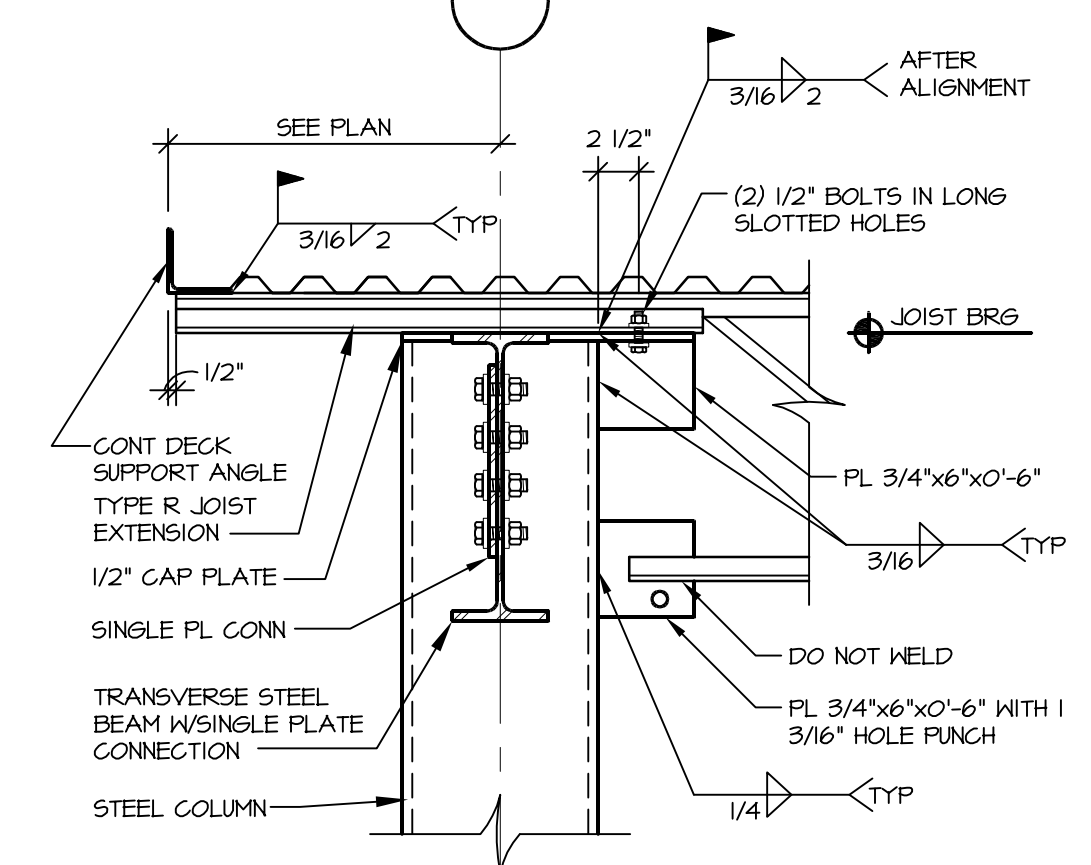
5 TYPICAL FRAMING AT ROOF OPENINGS
SCALE: NONE



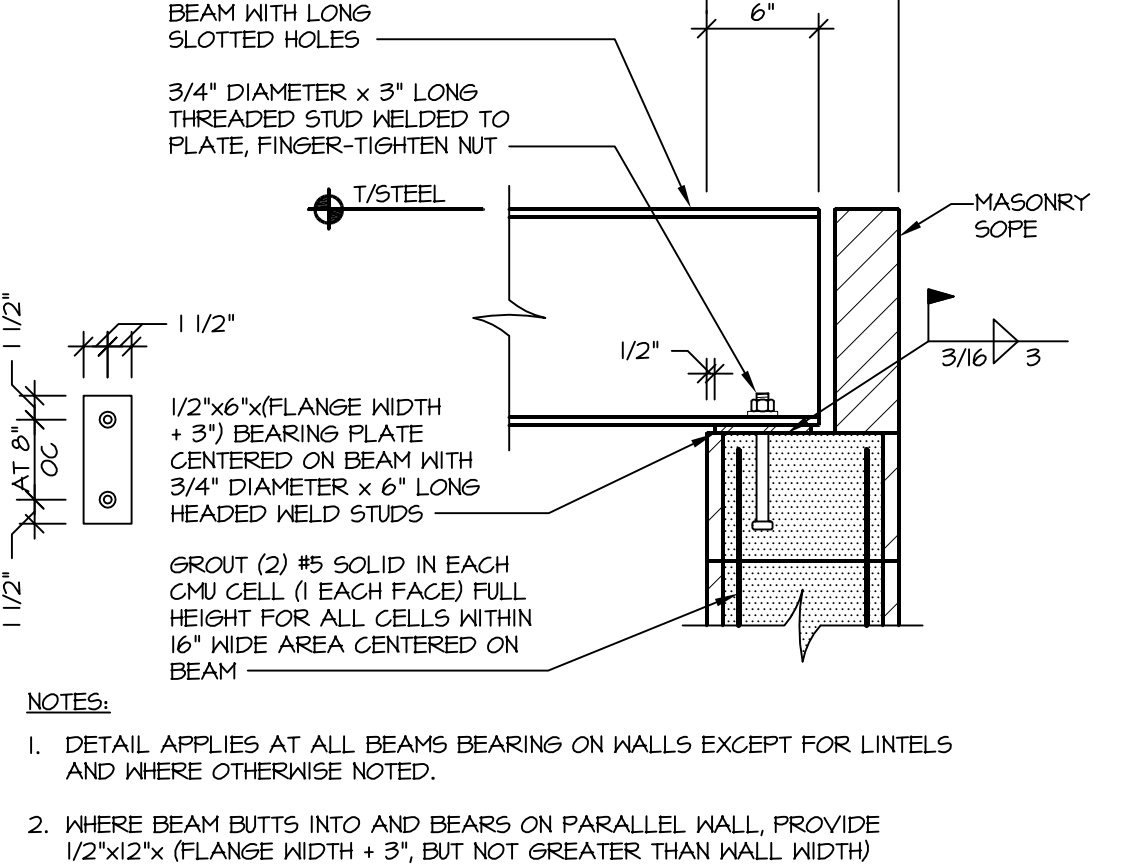
6 WF COLUMN CONNECTION AT ROOF
SCALE: NONE



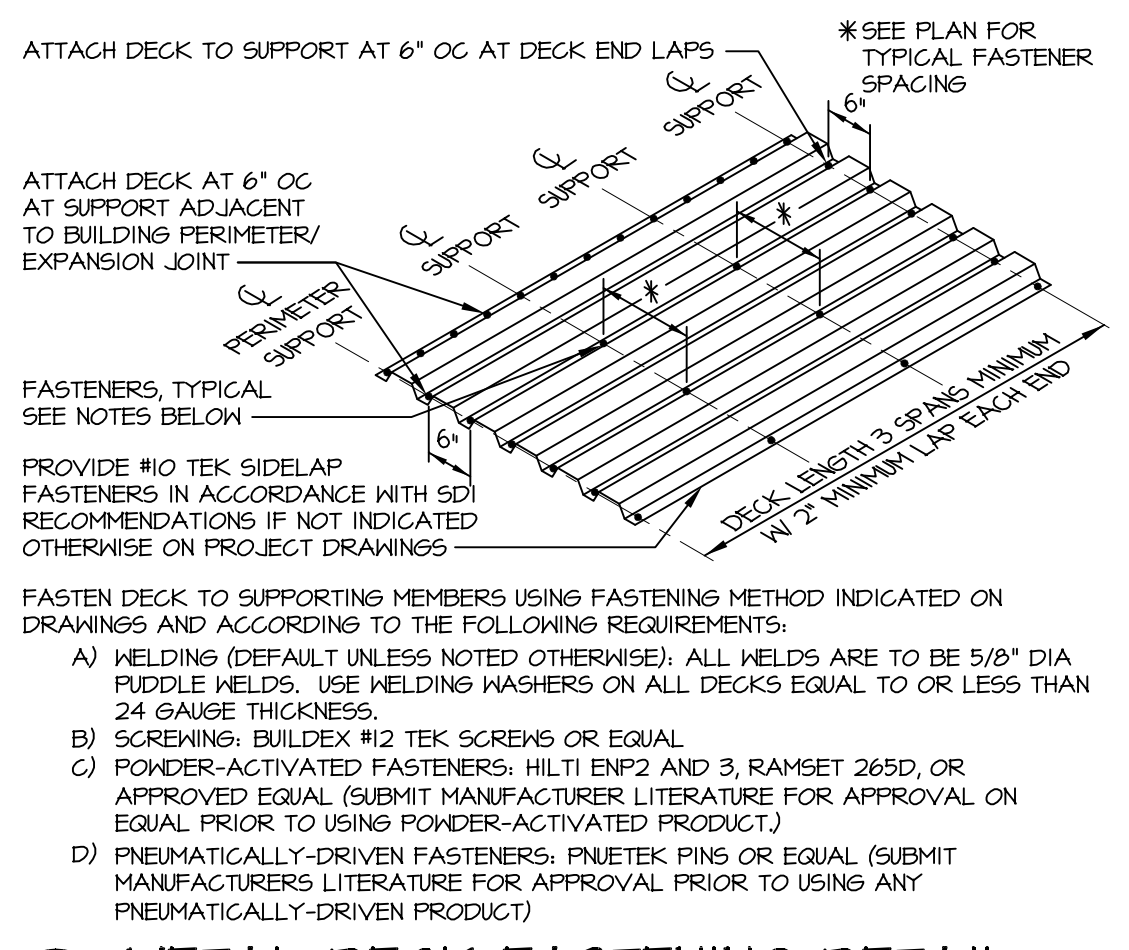
7 JOIST BEARING
SCALE: NONE



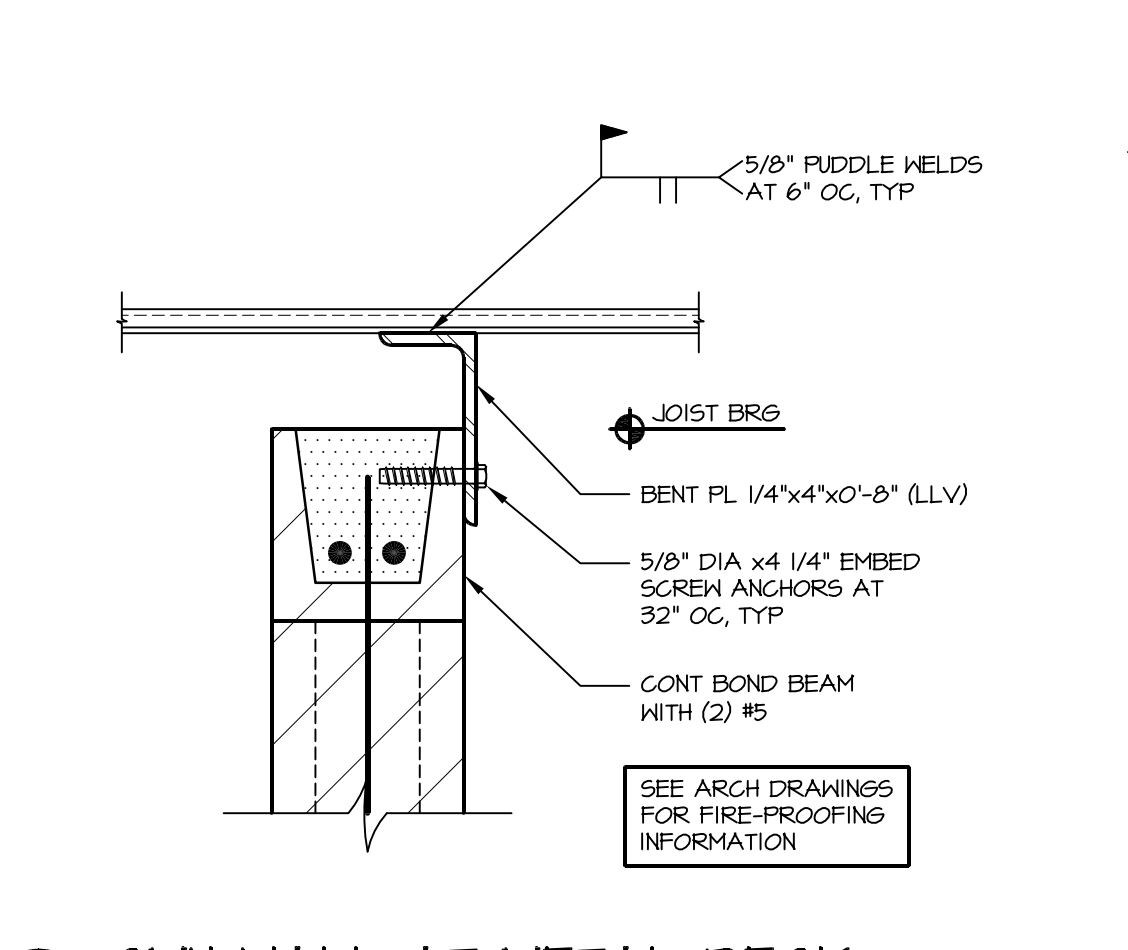
8 HSS COLUMN CONNECTION AT ROOF
SCALE: NONE



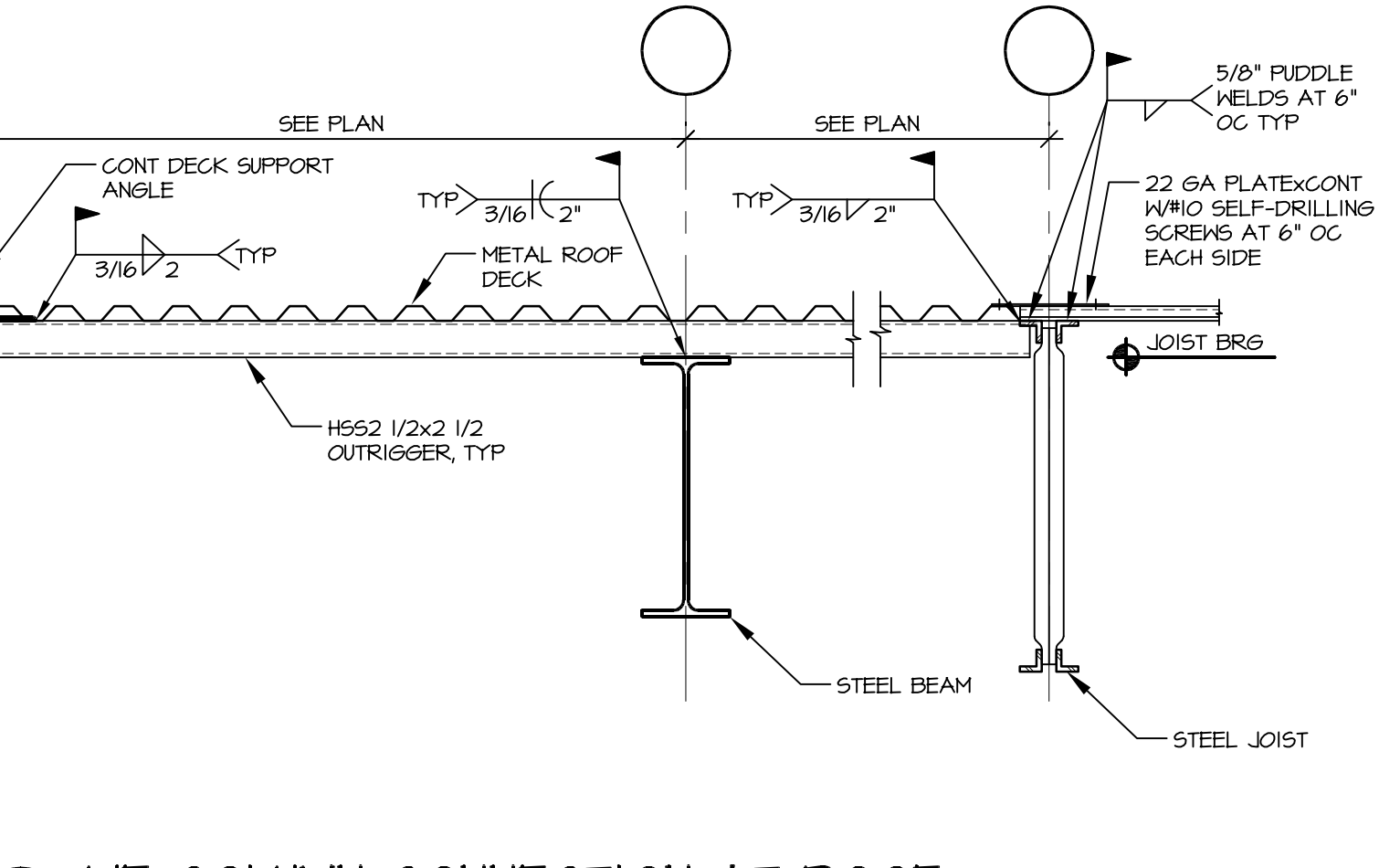
9 BEAM BEARING DETAIL
SCALE: NONE



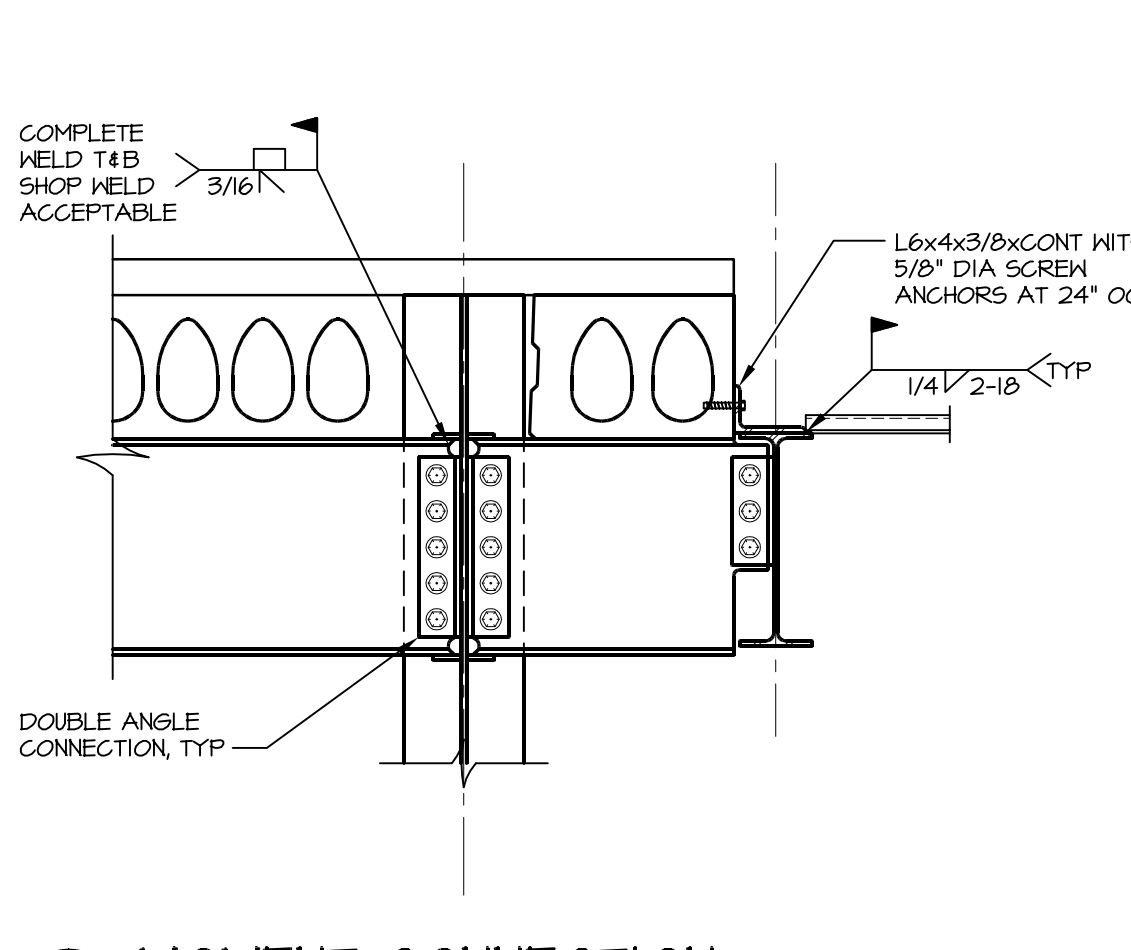
10 METAL DECK FASTENING DETAIL
SCALE: NONE



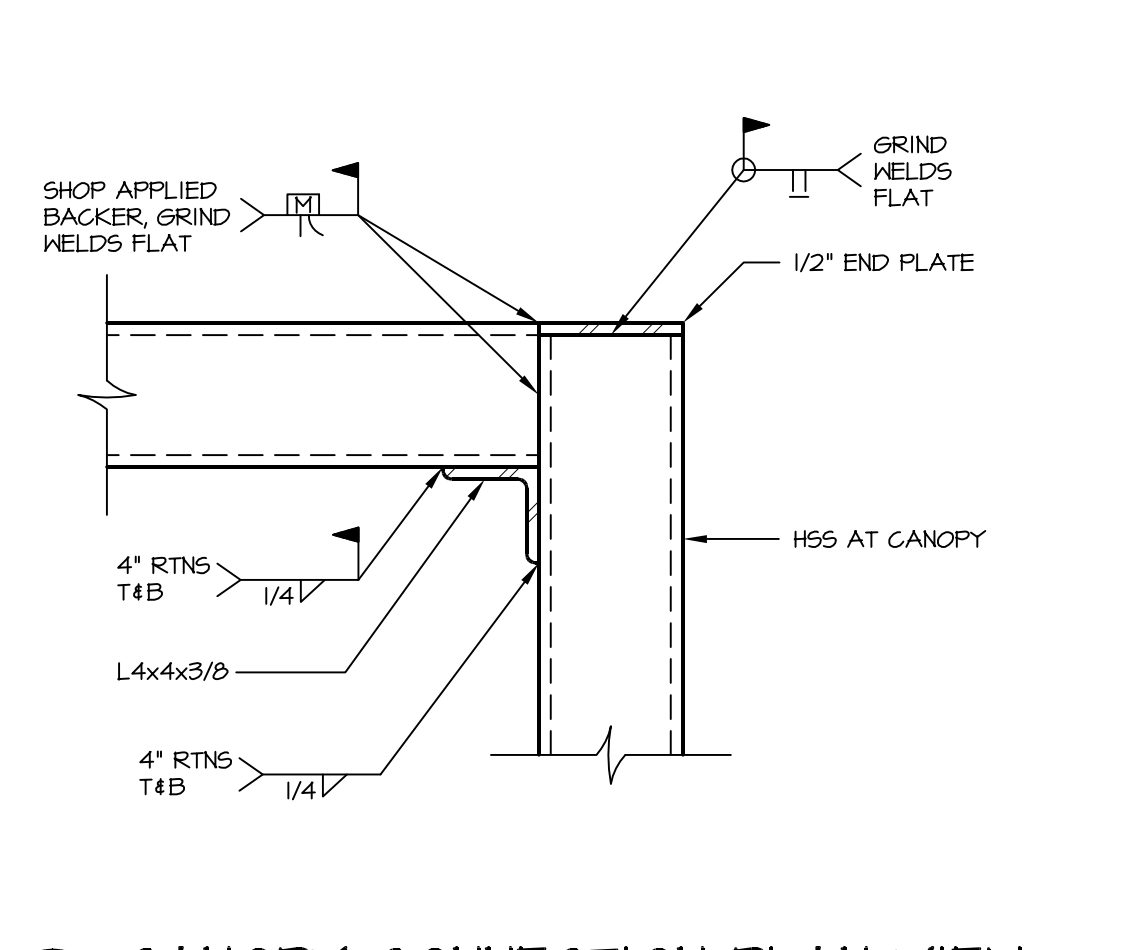
11 CMU WALL AT METAL DECK
SCALE: NONE



12 WF COLUMN CONNECTION AT ROOF
SCALE: NONE



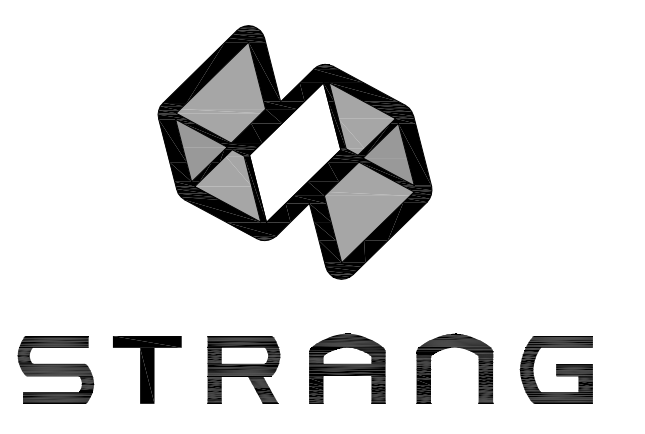
13 MOMENT CONNECTION
SCALE: NONE



14 CANOPY CONNECTION PLAN VIEW
SCALE: NONE



KEY PLAN



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

STRANG INC.
8411 MINERAL POINT ROAD
MADISON, WI 53705-4335
P: 608 278 8200
F: 608 278 8204

CONSULTANT
ARNOLD & OSHERIDAN, INC.
728 HEARTLAND TRAIL
MADISON, WI 53717

T/ 608 821 8500
F/ 608 821 8501
A&O PROJECT #130172

DRAWING SET CD
COPYRIGHT STRANG, INC. 2013
FILE NAME 130172_S203A.DWG

REVISIONS

ADDENDUM #1 11-01-13
DRAWN A&O

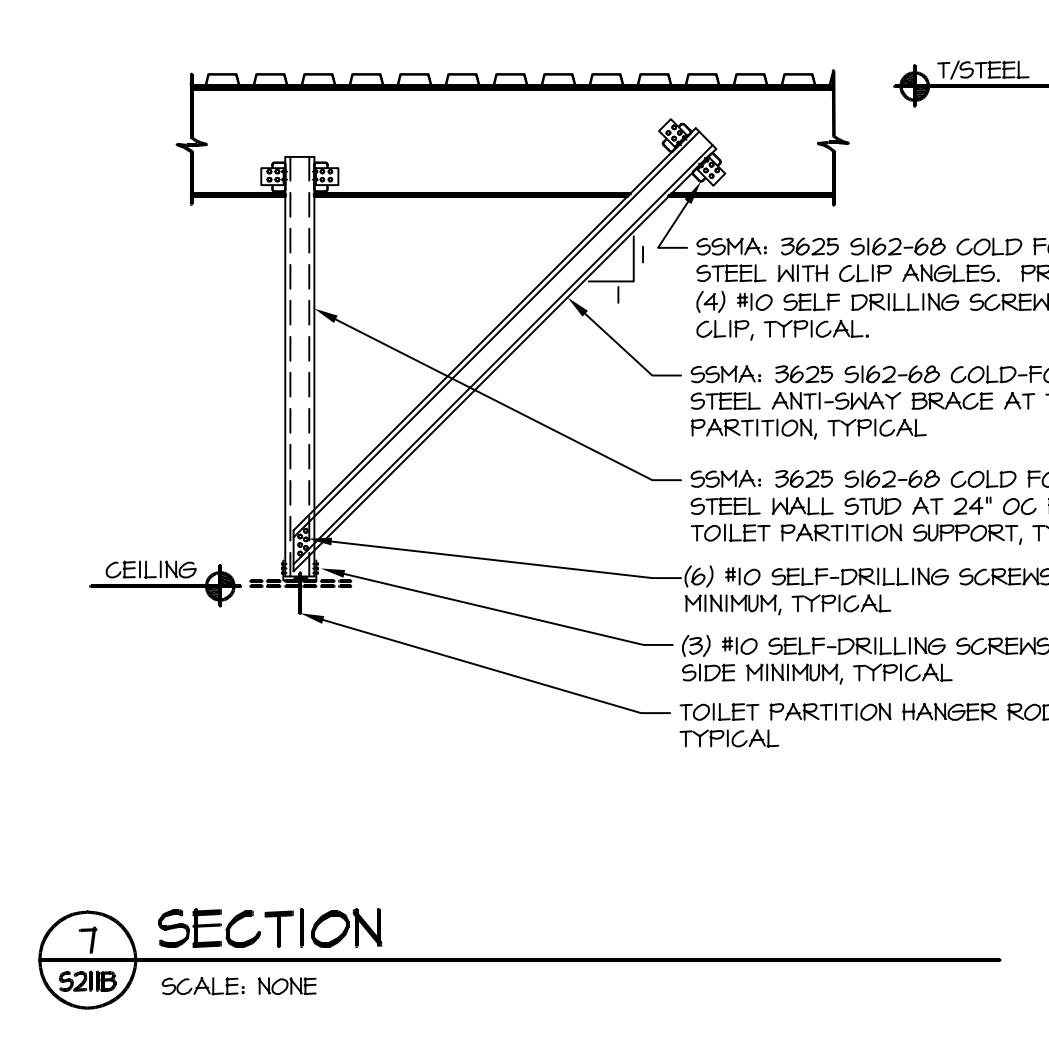
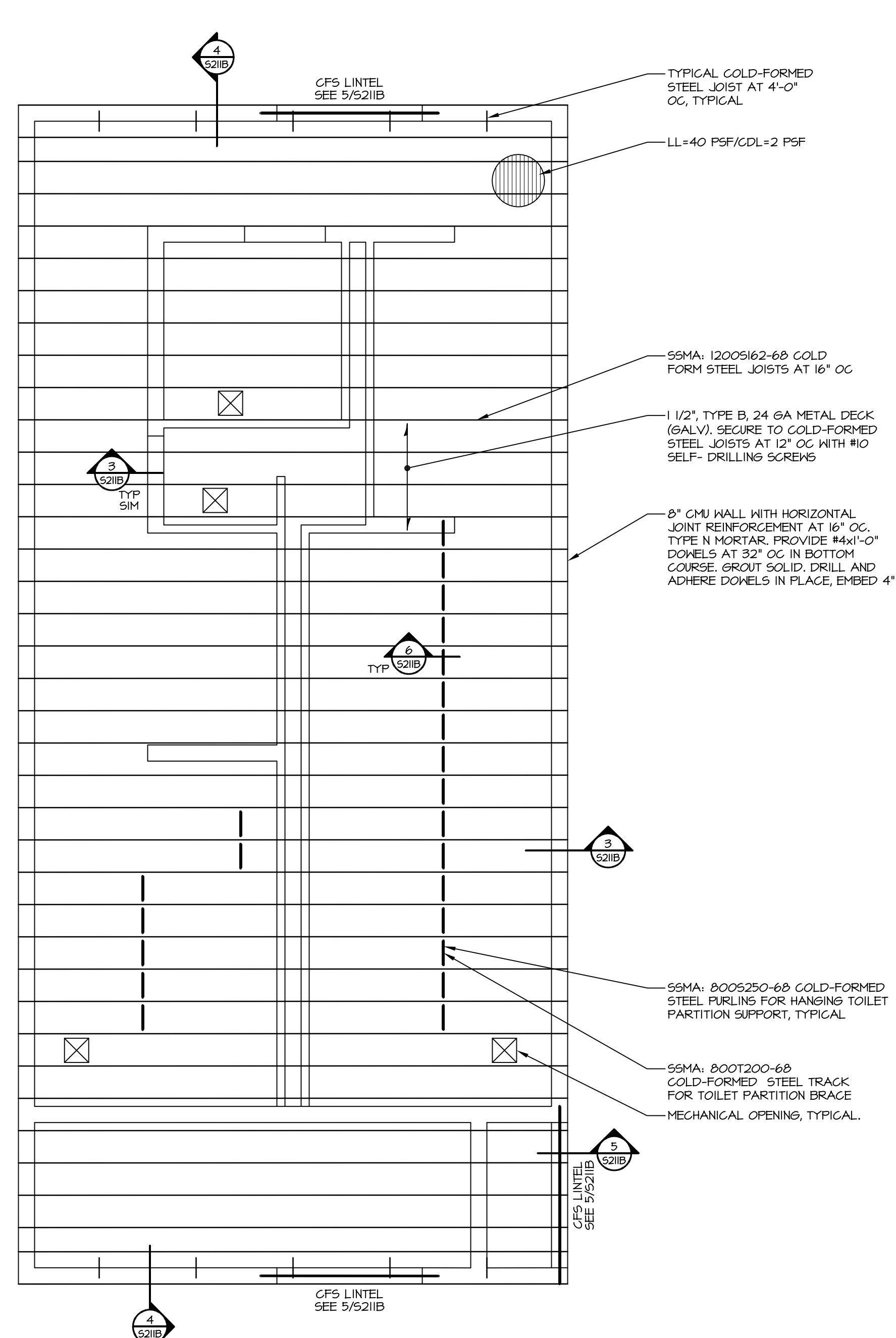
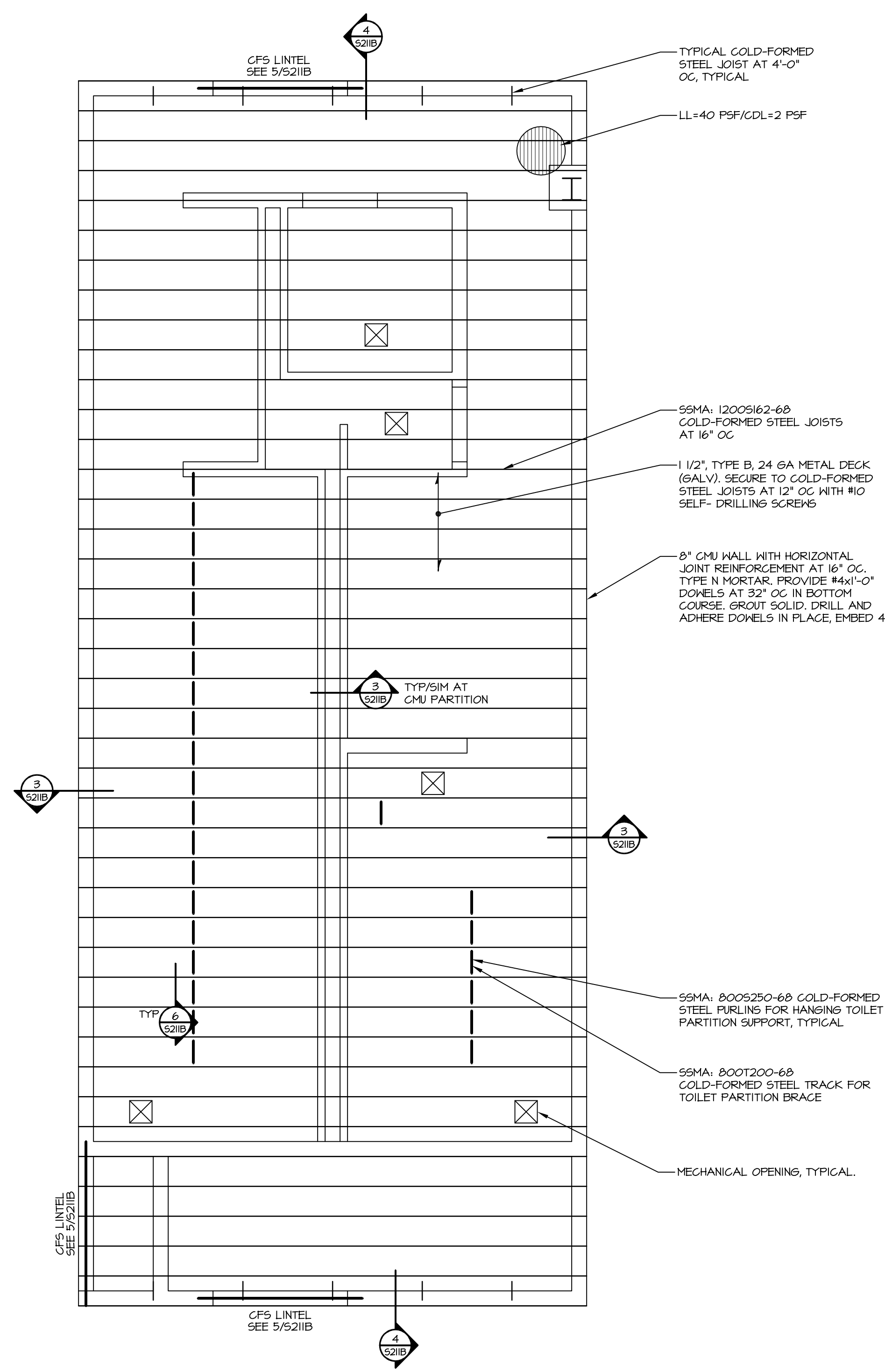
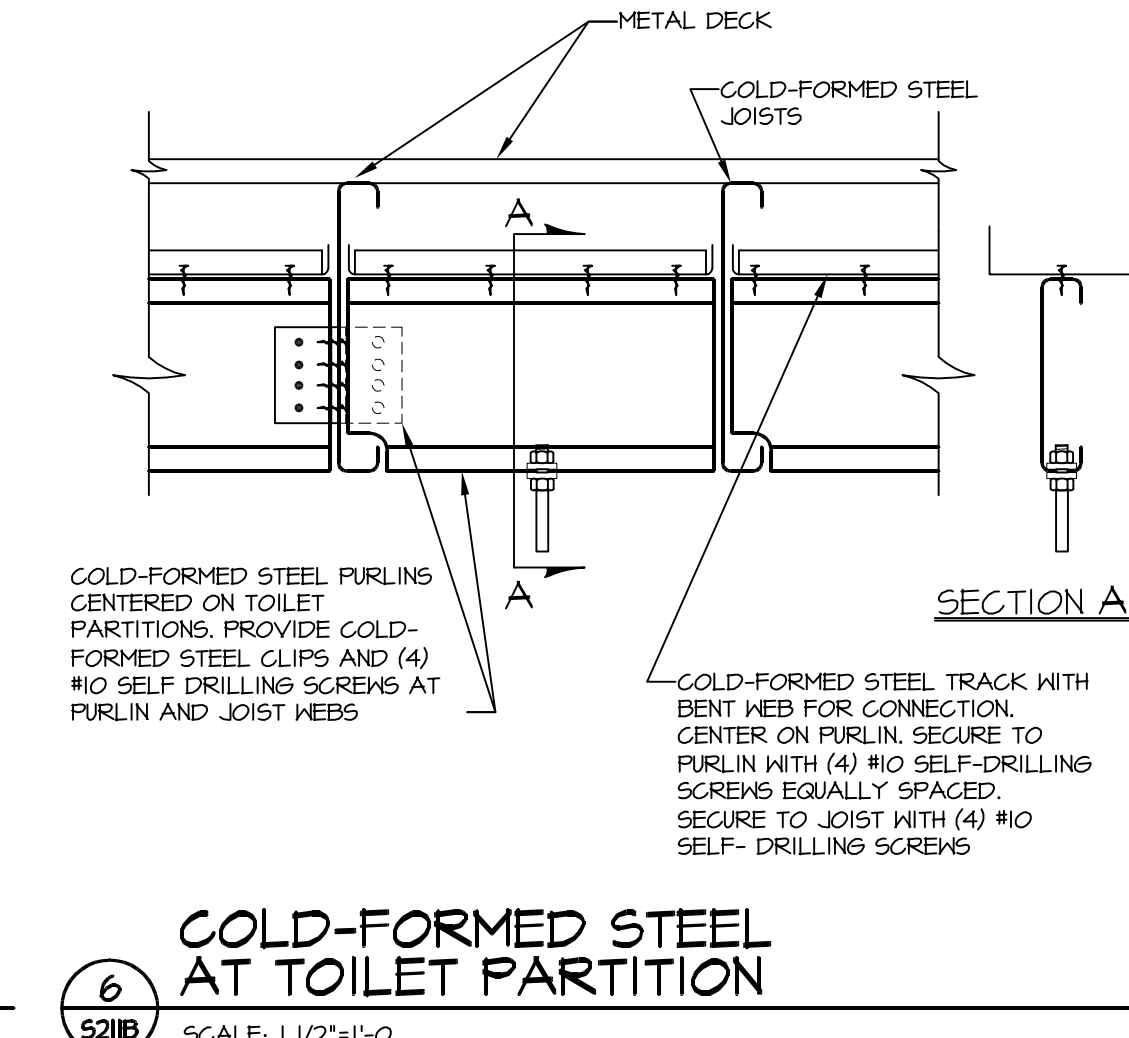
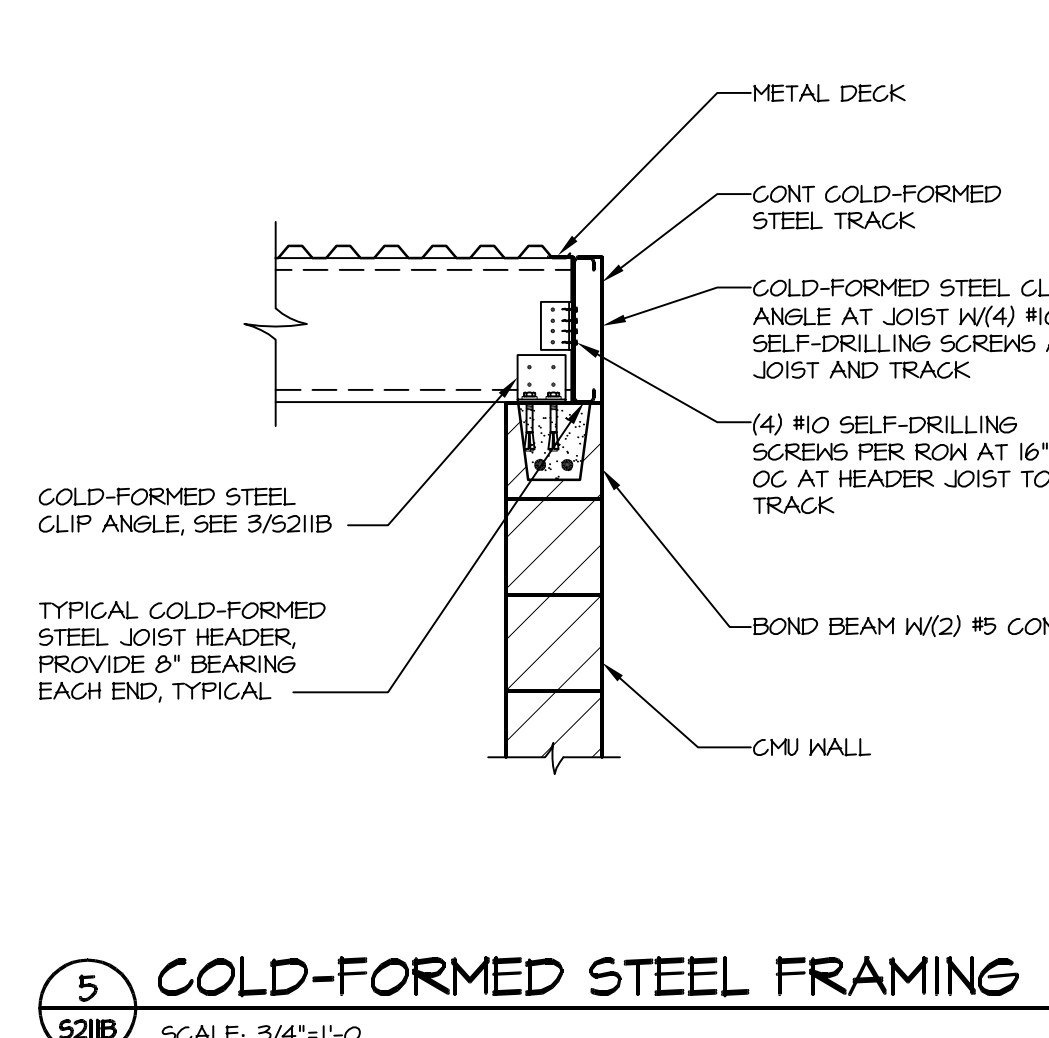
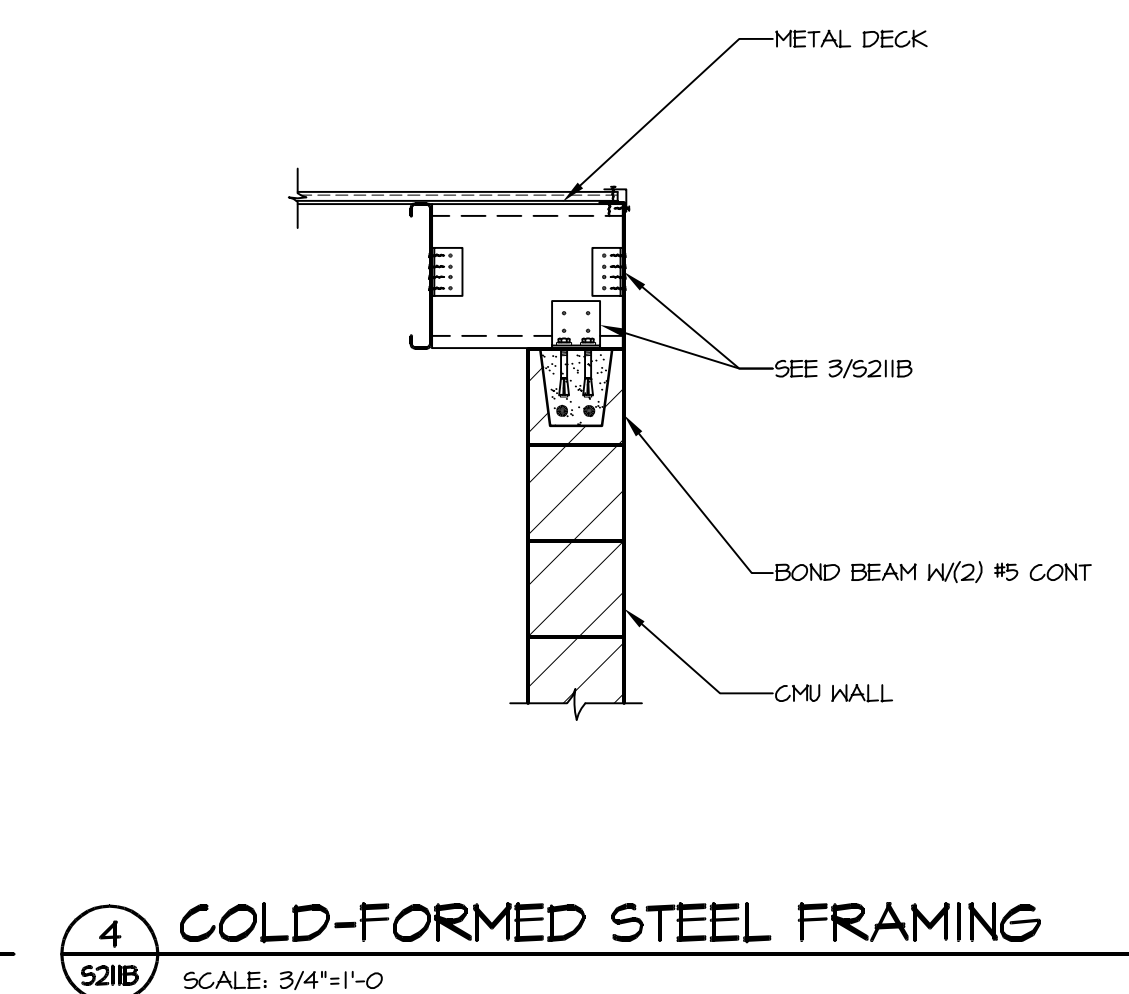
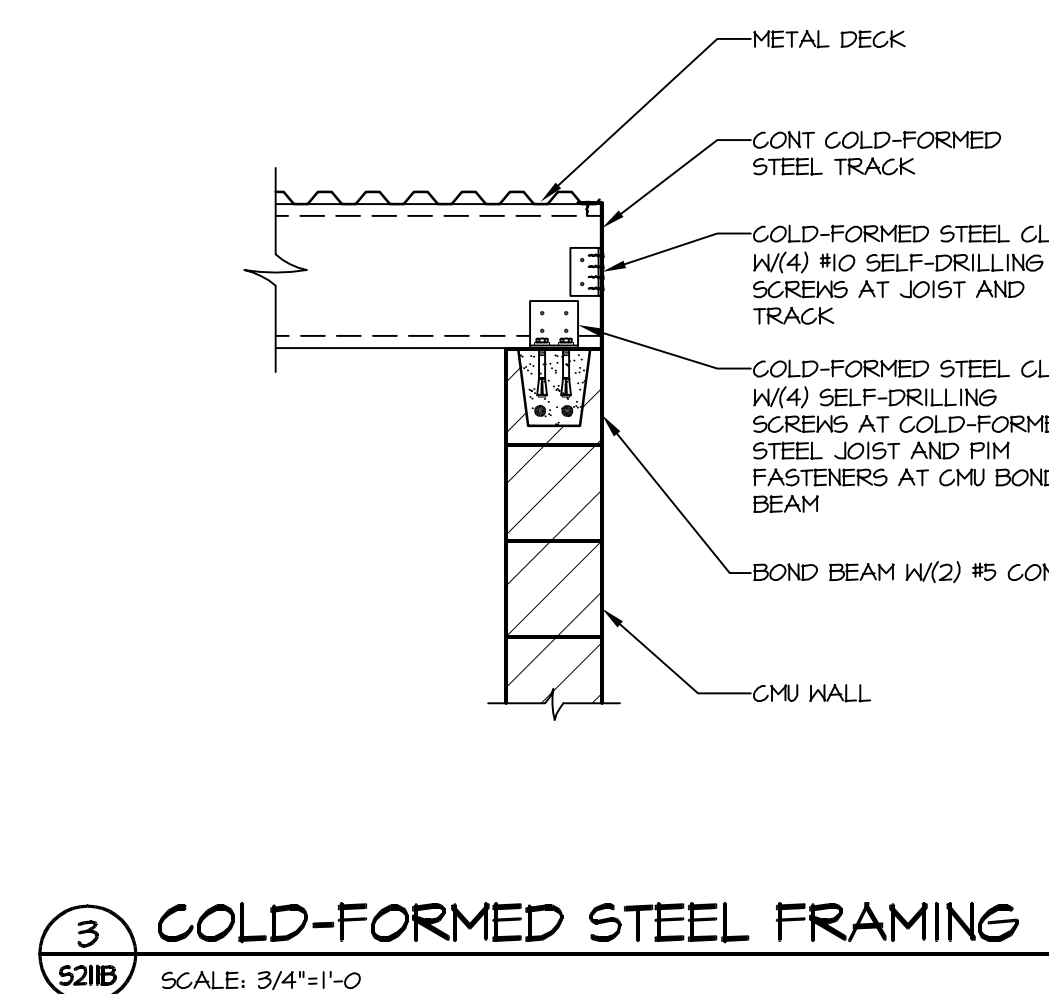
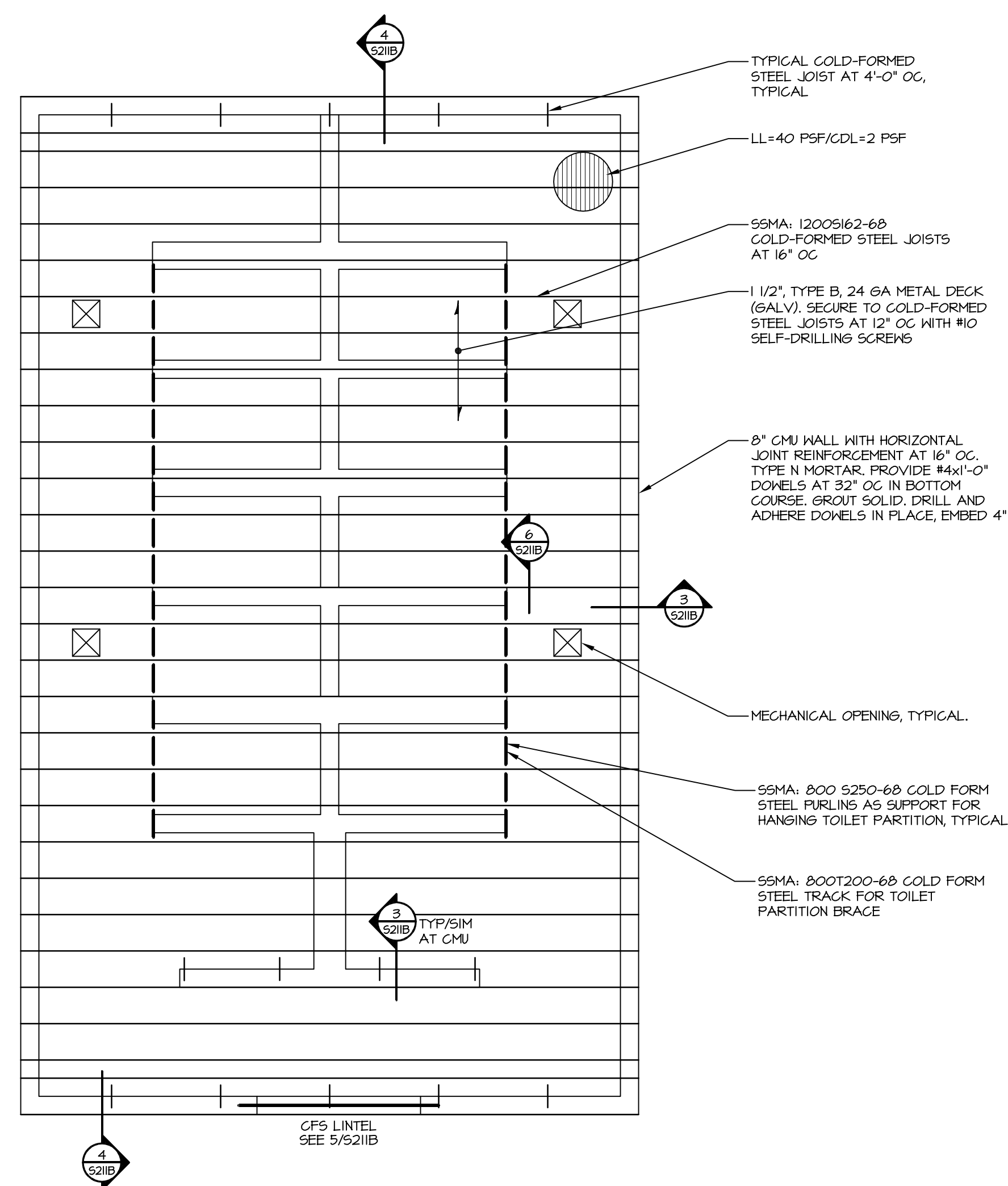
CHECKED TJD
DATE 10-29-13
PROJECT NO. 2013027_02

PROJECT TITLE
ALLIANT ENERGY CENTER PAVILIONS
BID # 313072

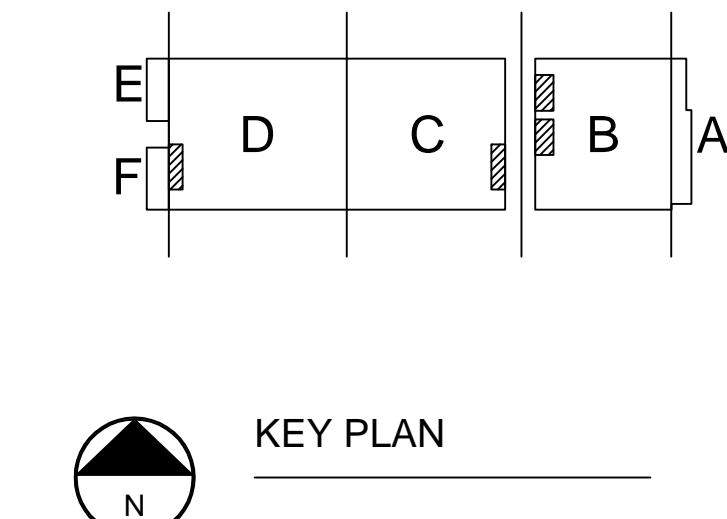
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

SHEET TITLE
ROOF FRAMING PLAN
AREA A

SHEET NO.
S203A



NOTE:
COLD-FORMED STEEL FRAMING
SIZES ARE FOR BIDDING ONLY.
SEE PROJECT SPECIFICATION
MANUAL FOR PERFORMANCE
DESIGN.



CONSULTANT
ARNOLD & O'SHERIDAN, INC.
728 HEARTLAND TRAIL
MADISON, WI 53717

T/ 608 821 8500
F/ 608 821 8501
A&O PROJECT #130172
Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including but not limited to, temporary supports, shoring, forming to support imposed loads and other similar items.

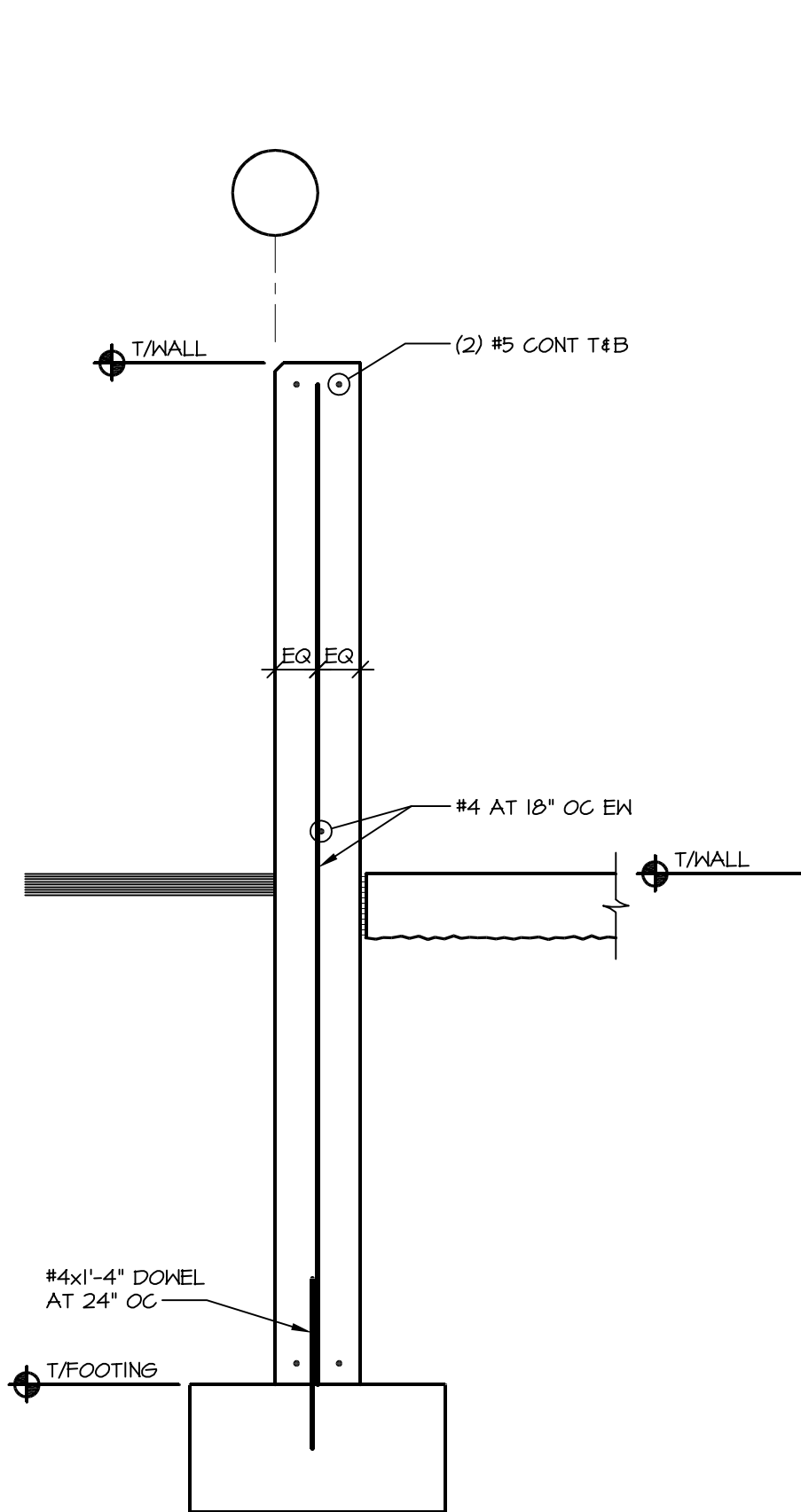
DRAWING SET	CD
COPYRIGHT	2013
STRANG, INC.	
FILE NAME	130172_S211B.DWG
REVISIONS	
ADDENDUM #1	11-01-13
DRAWN	A&O
CHECKED	TJD
DATE	10-29-13
PROJECT NO.	2013027.02
PROJECT TITLE	

ALLIANT ENERGY
CENTER PAVILIONS
BID # 313072

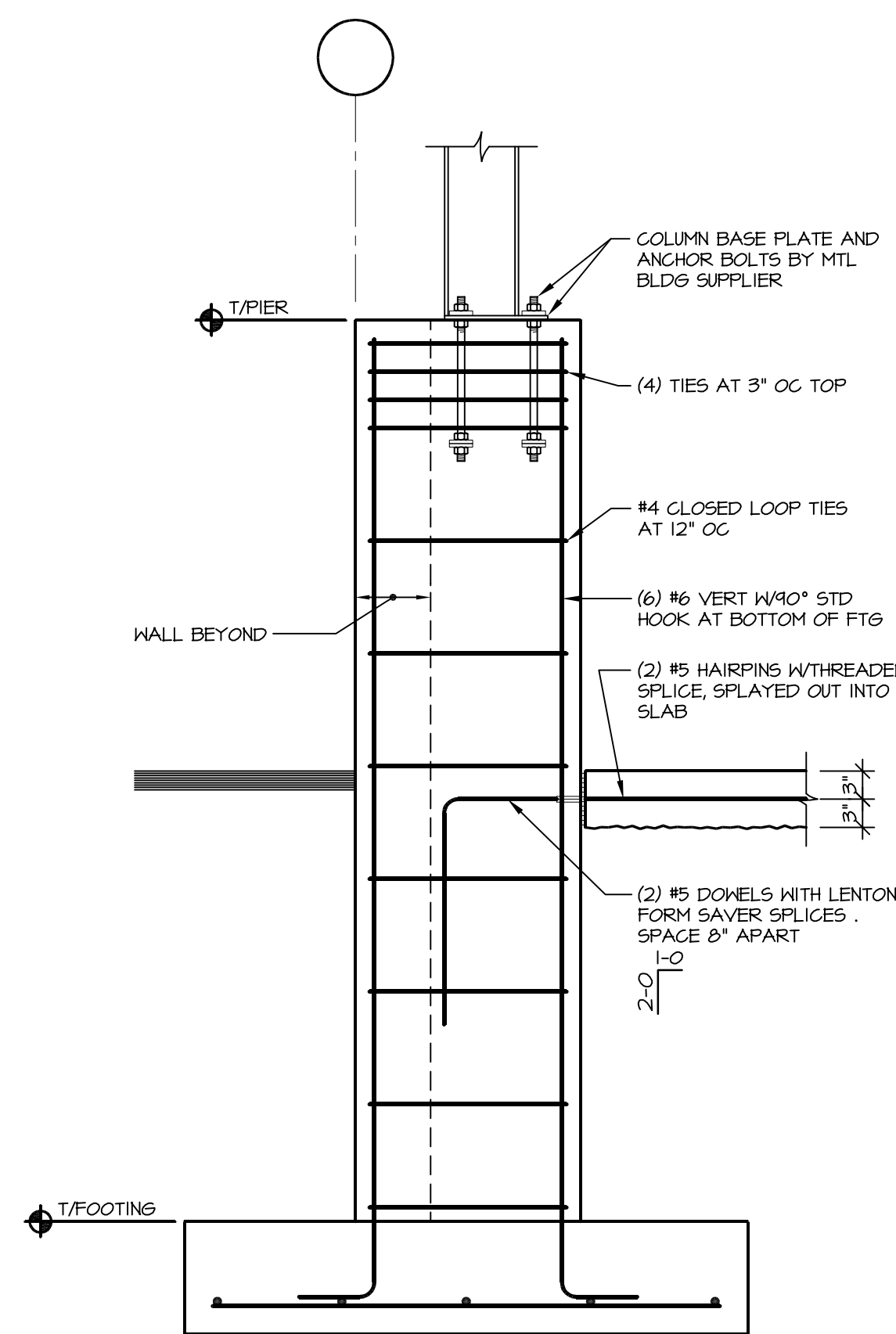
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

SHEET TITLE
CEILING FRAMING
PLANS AT TOILET/
SHOWER ROOMS

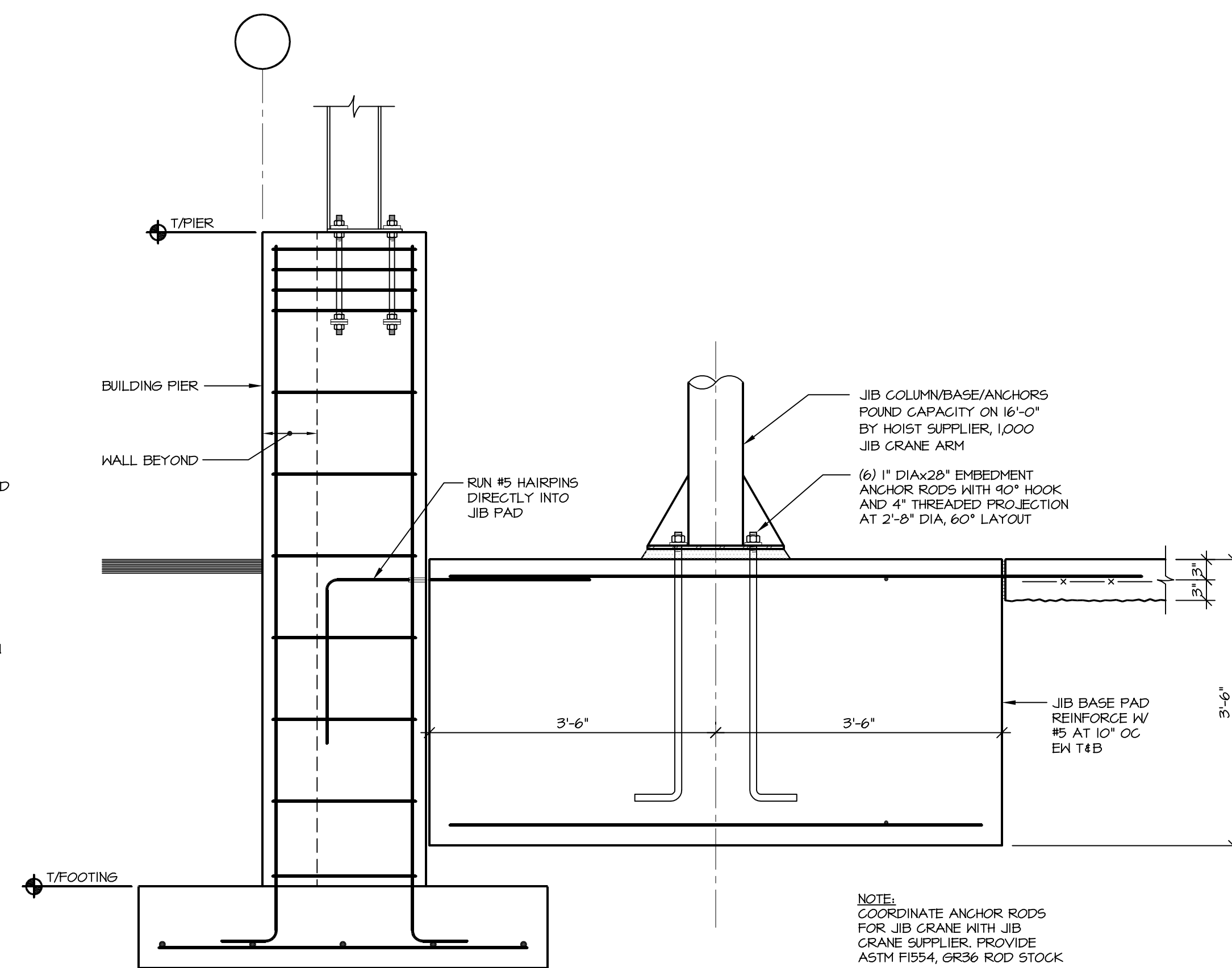
SHEET NO.
S211B



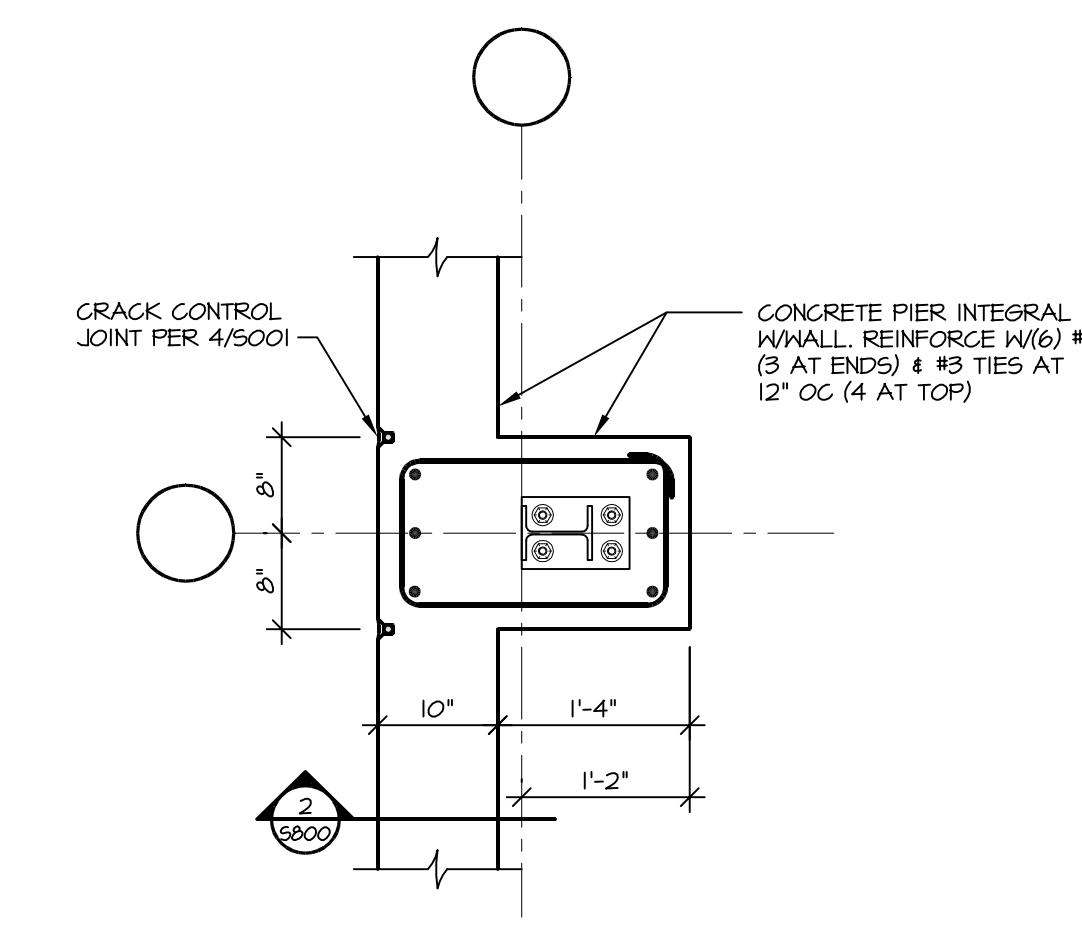
1 TYPICAL FOUNDATION WALL
SCALE: NONE



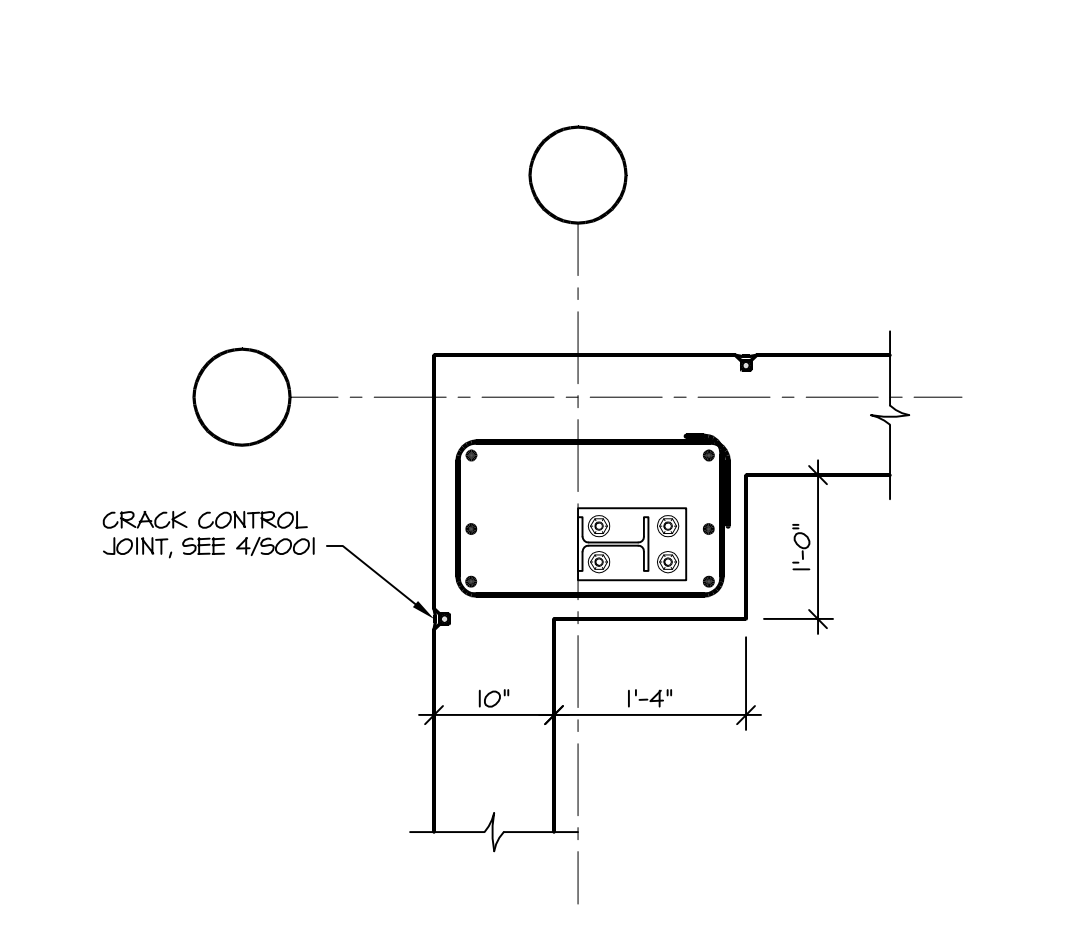
2 PIER ELEVATION
SCALE: NONE



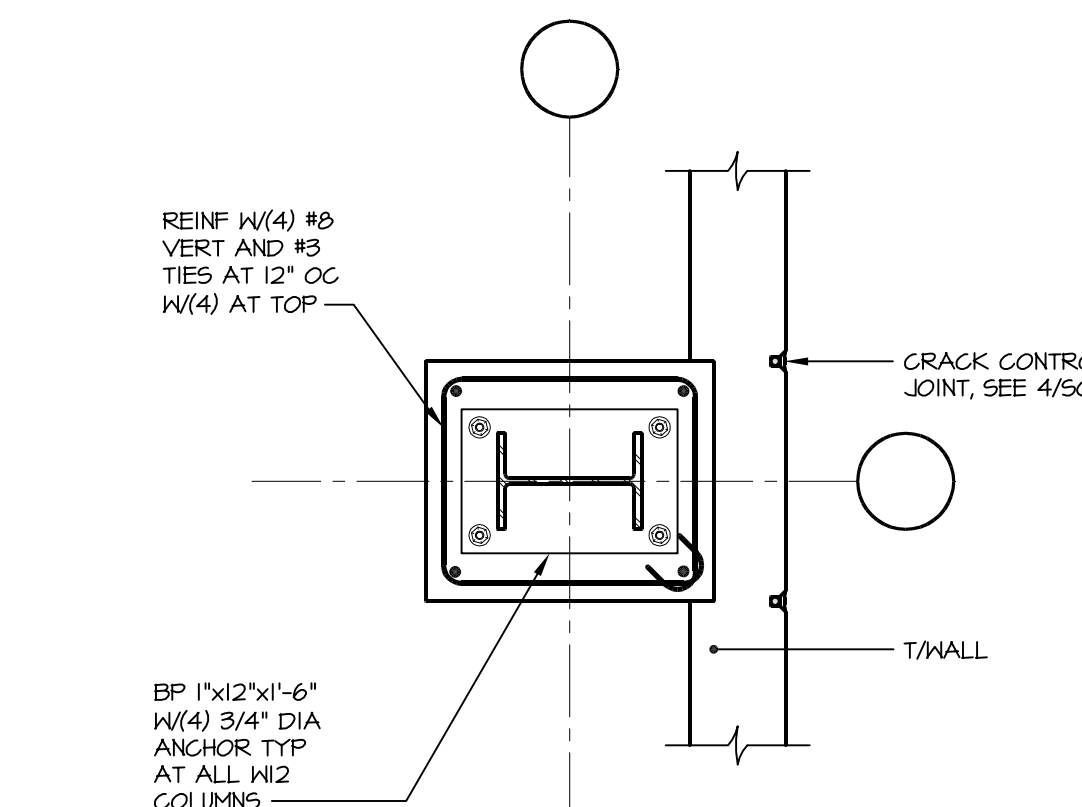
3 JIB BASE SECTION
SCALE: NONE



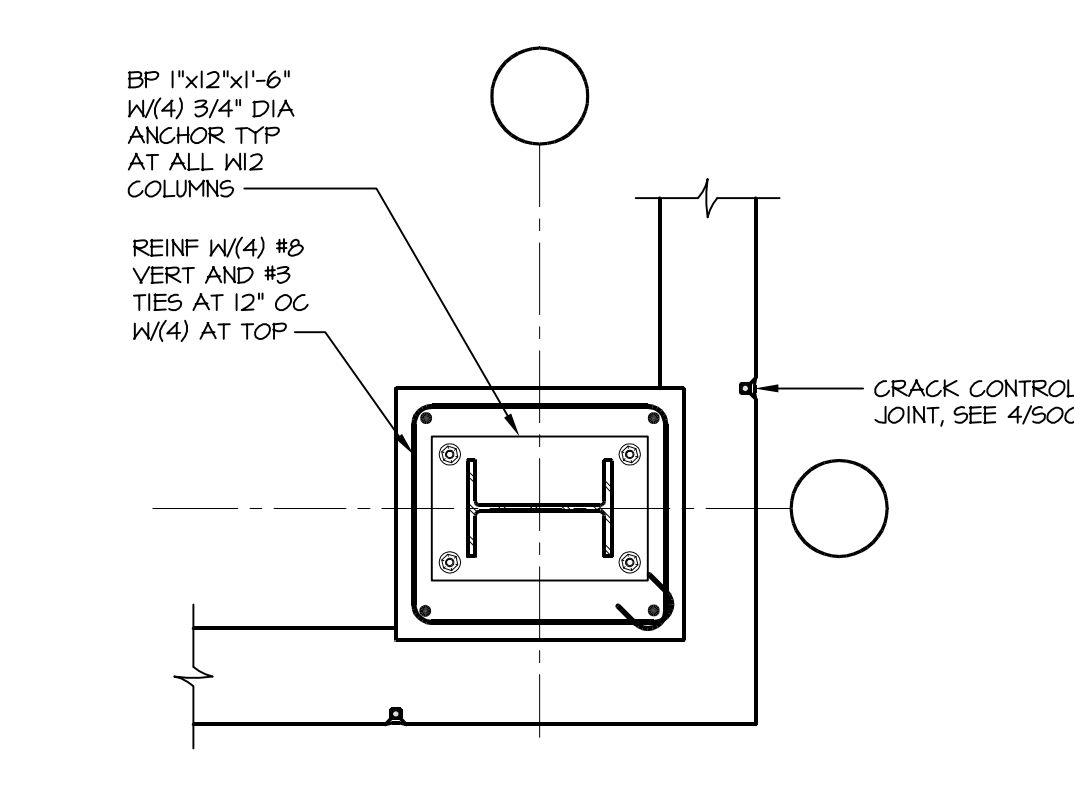
4 PIER MPI
SCALE: NONE



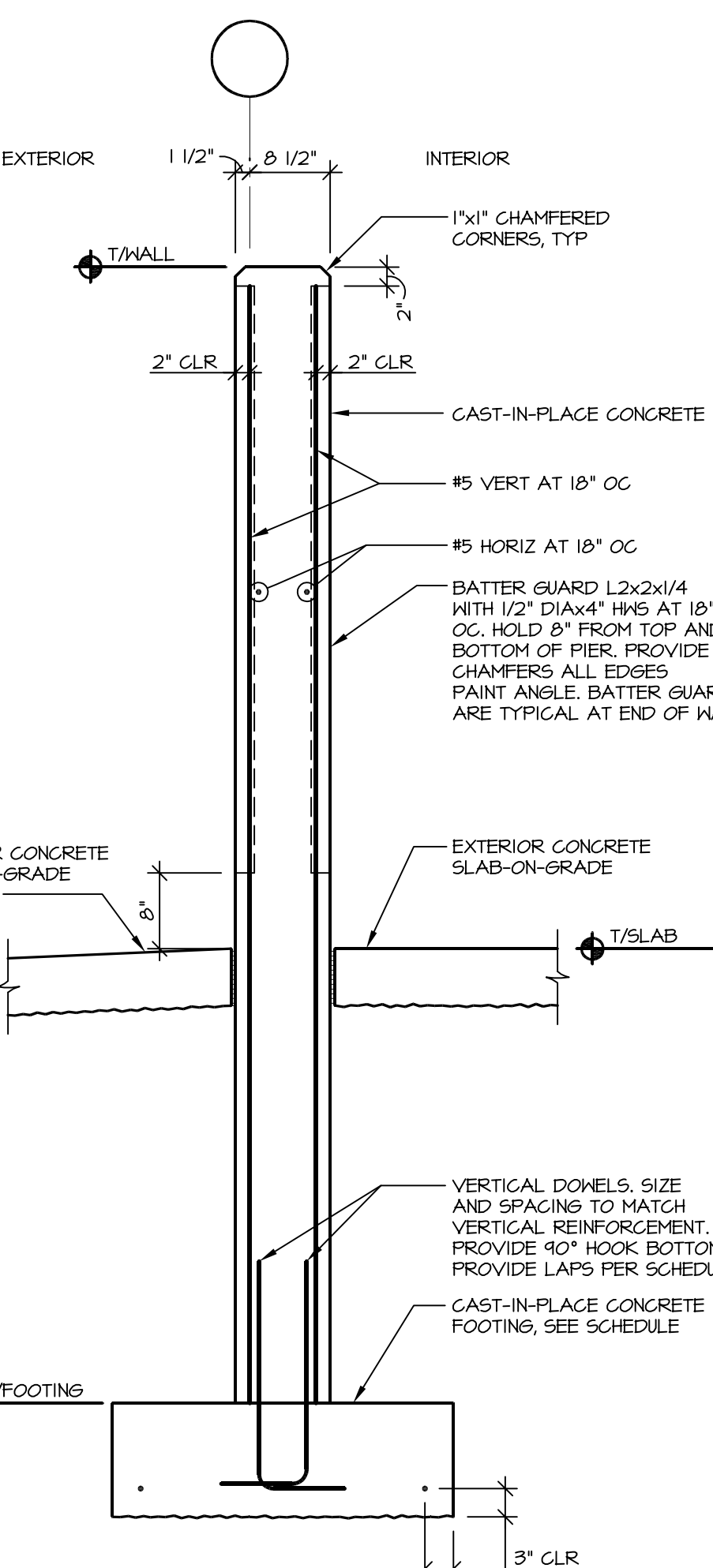
5 PIER MP2
SCALE: NONE



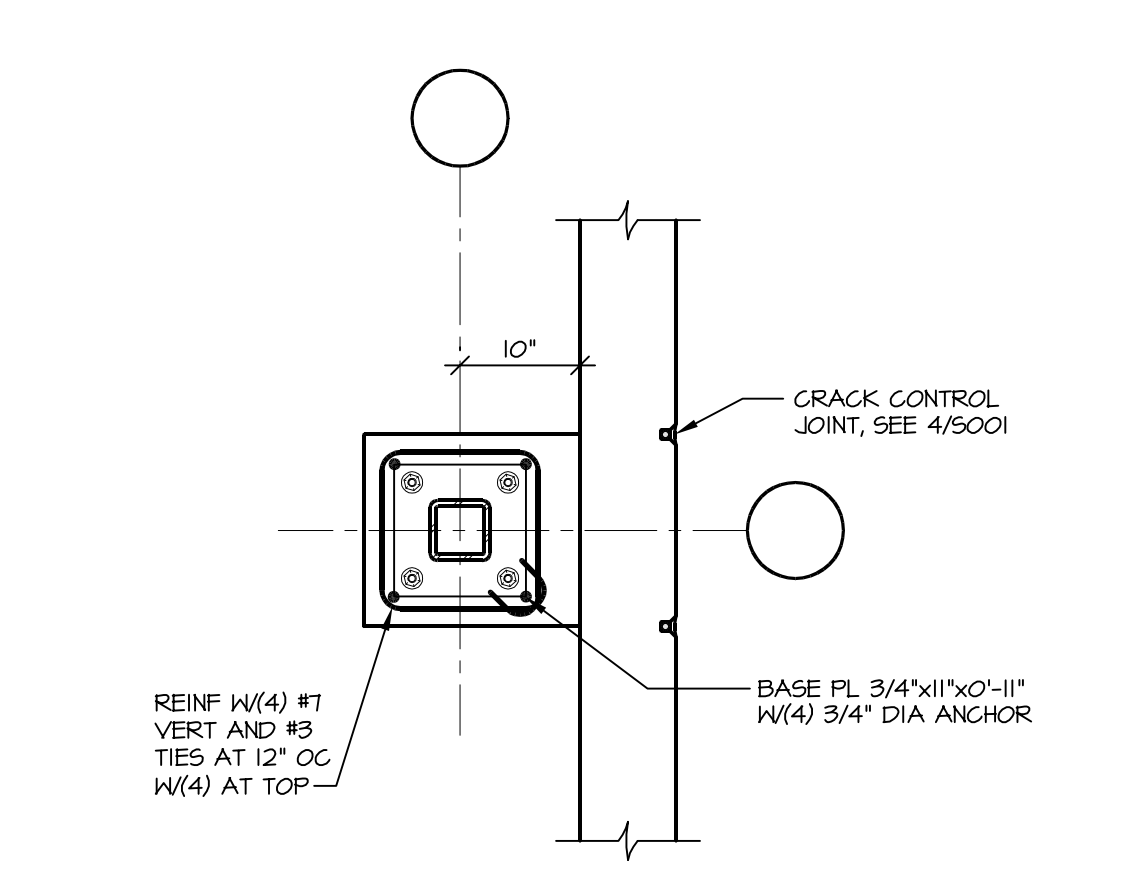
6 PIER PFP1
SCALE: NONE



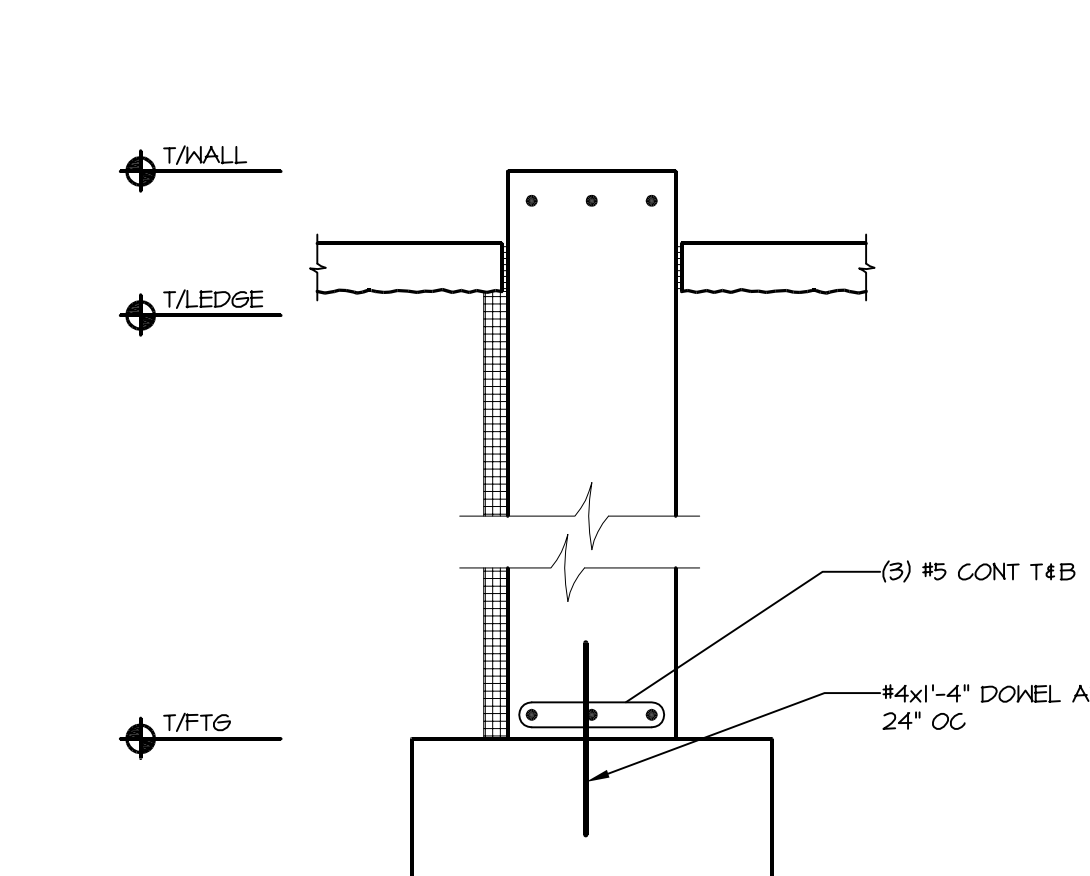
7 PIER PFP2
SCALE: NONE



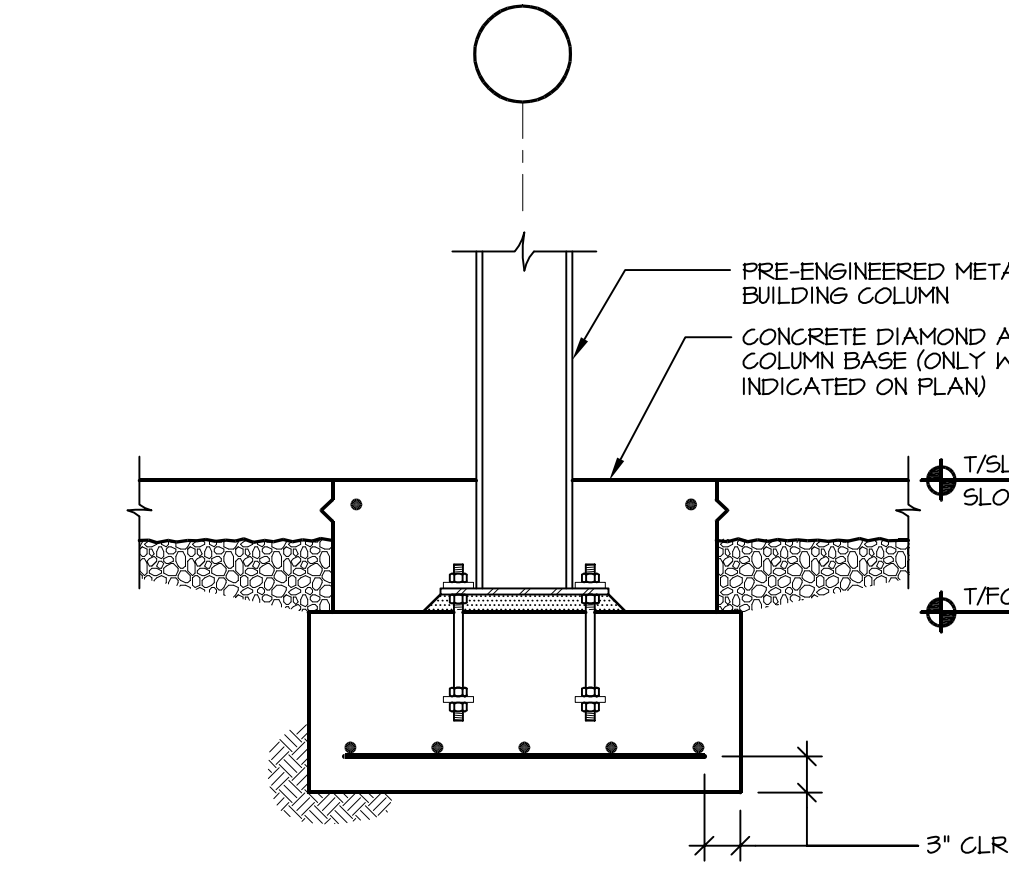
8 TYPICAL FOUNDATION WALL
SCALE: NONE



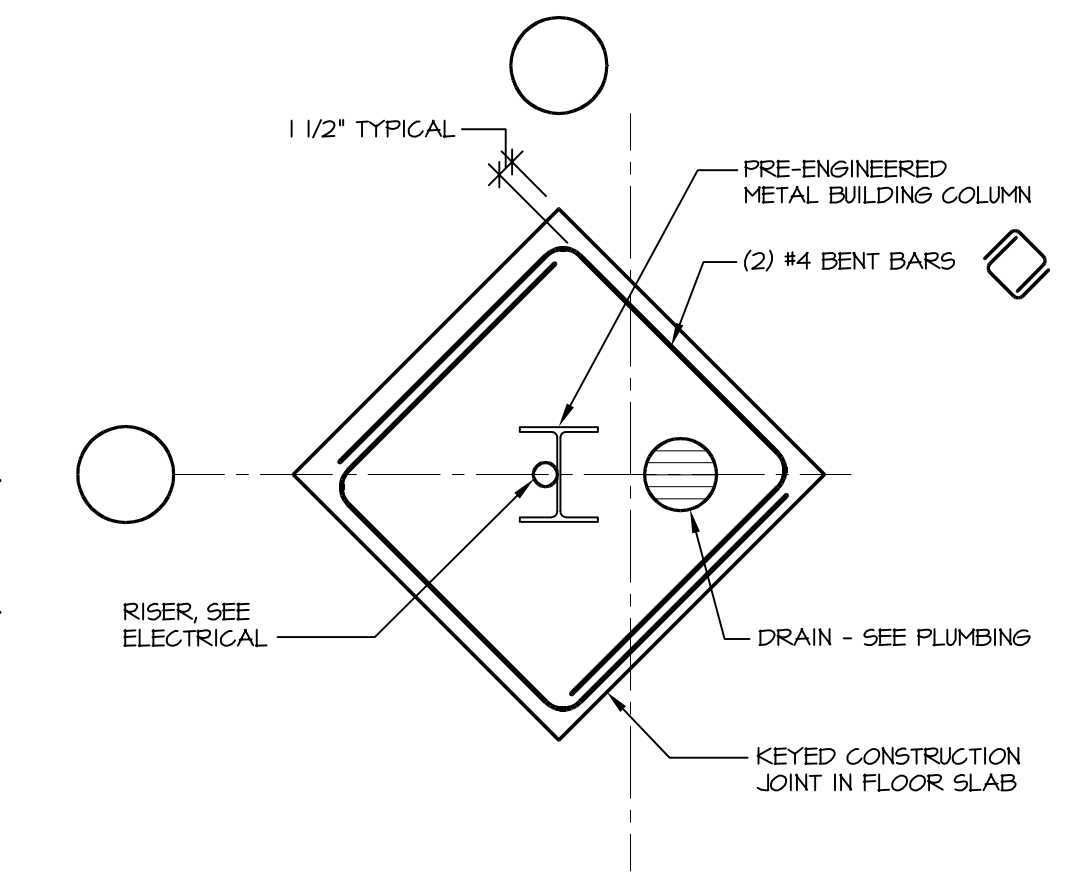
9 PIER PFP3
SCALE: NONE



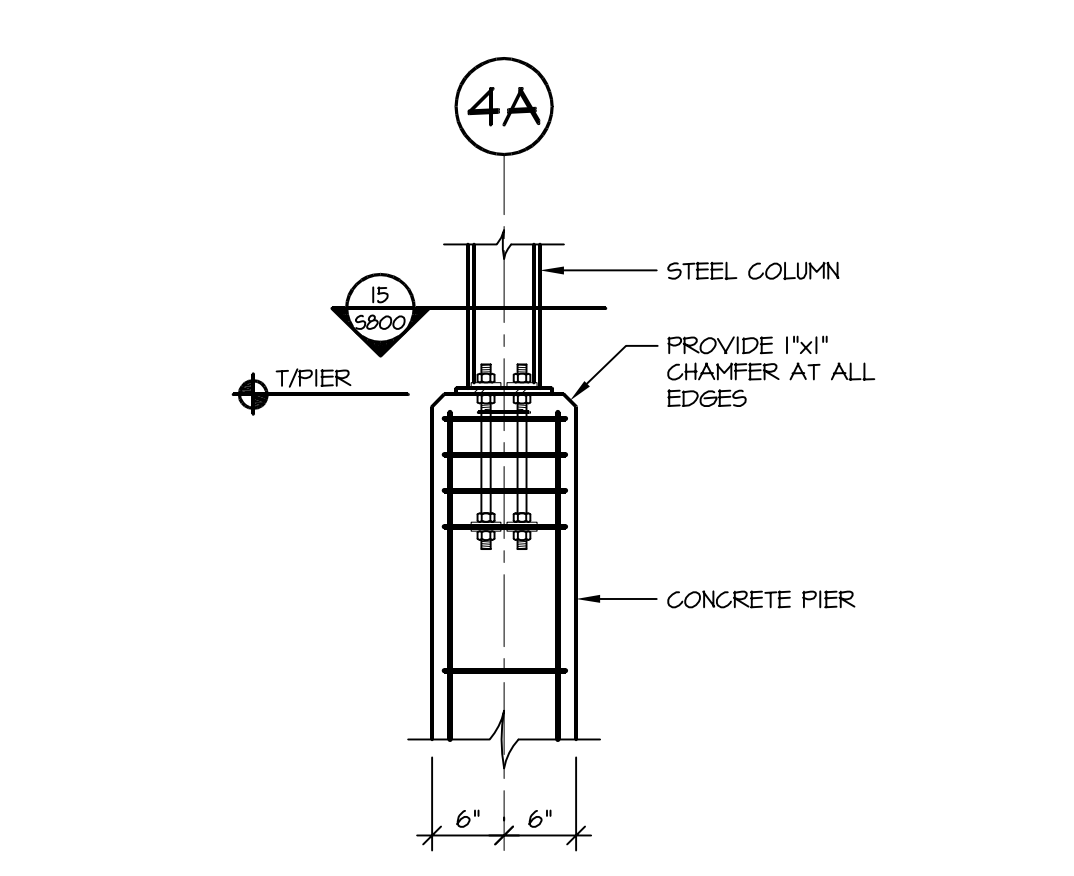
10 TYP FDN WALL AT PRE-FUNCTION
SCALE: 3/4\"/>



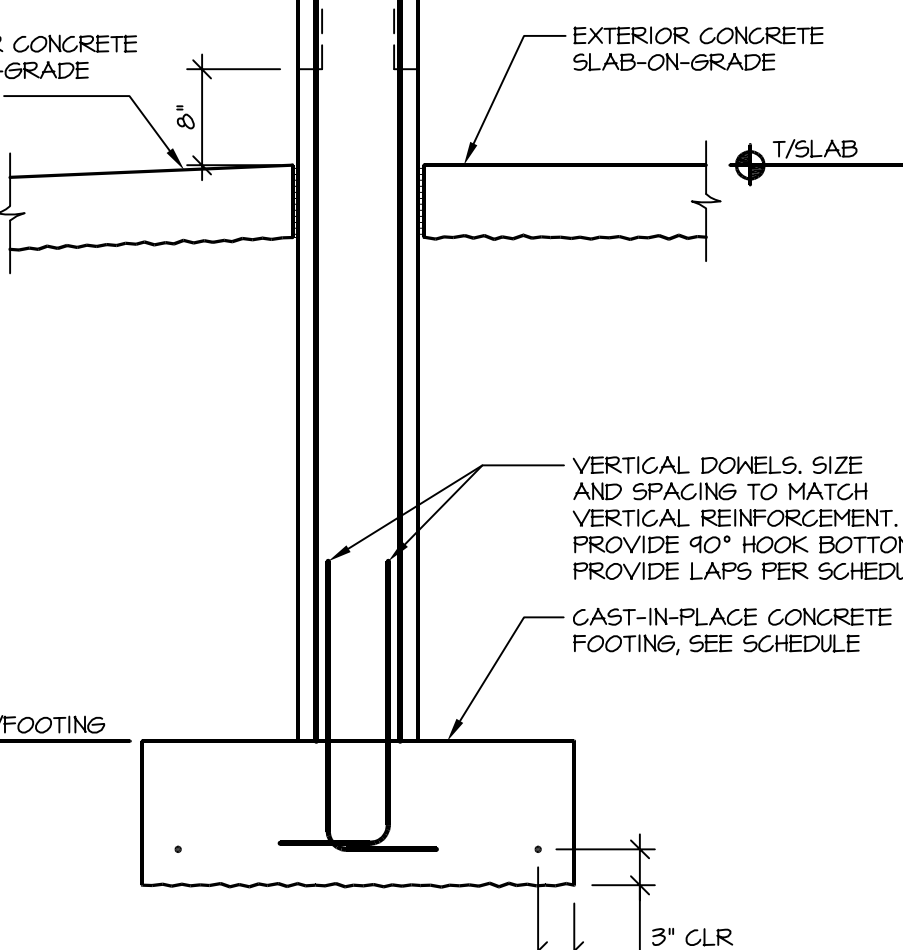
11 TYP INTERIOR COLUMN FOOTING
SCALE: 3/4\"/>



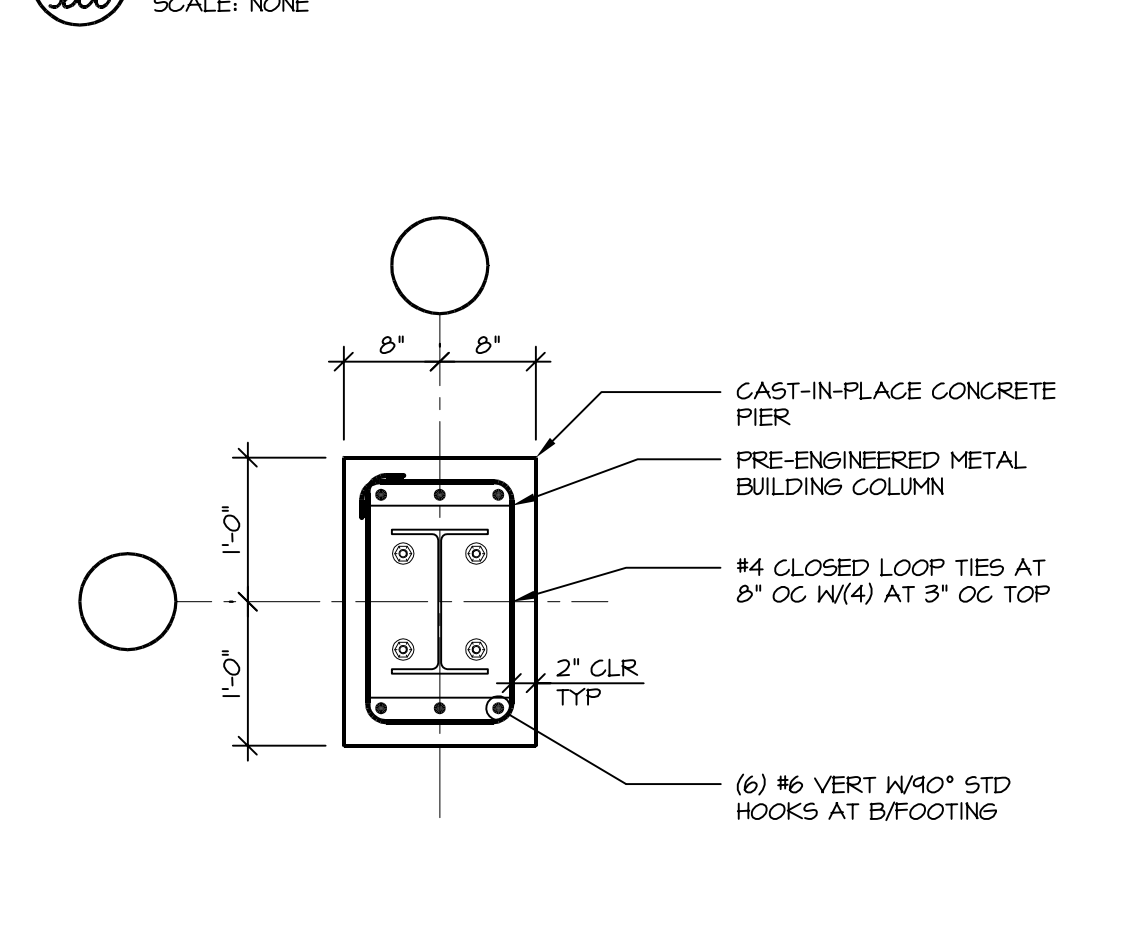
12 KEYED JOINT AT COLUMN
SCALE: 3/4\"/>



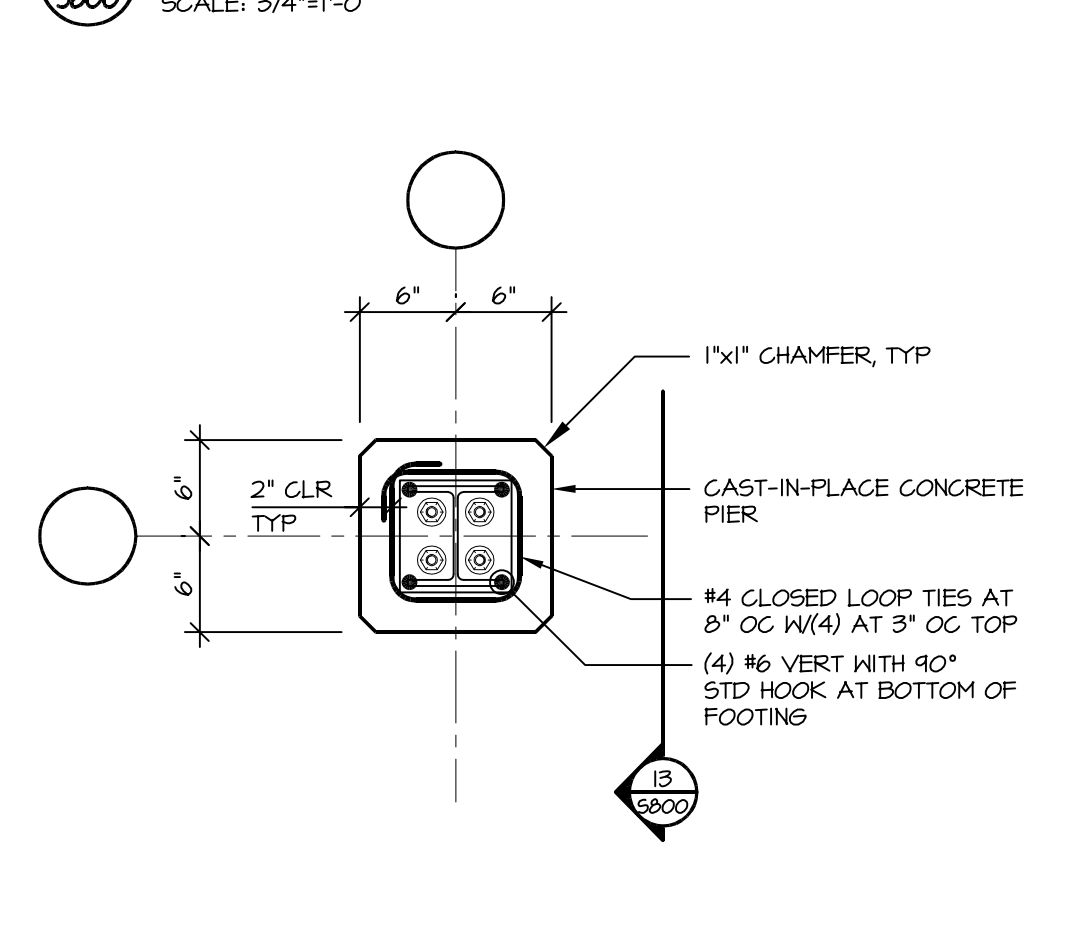
13 HSS EXPOSED COLUMN AT PIER
SCALE: 3/4\"/>



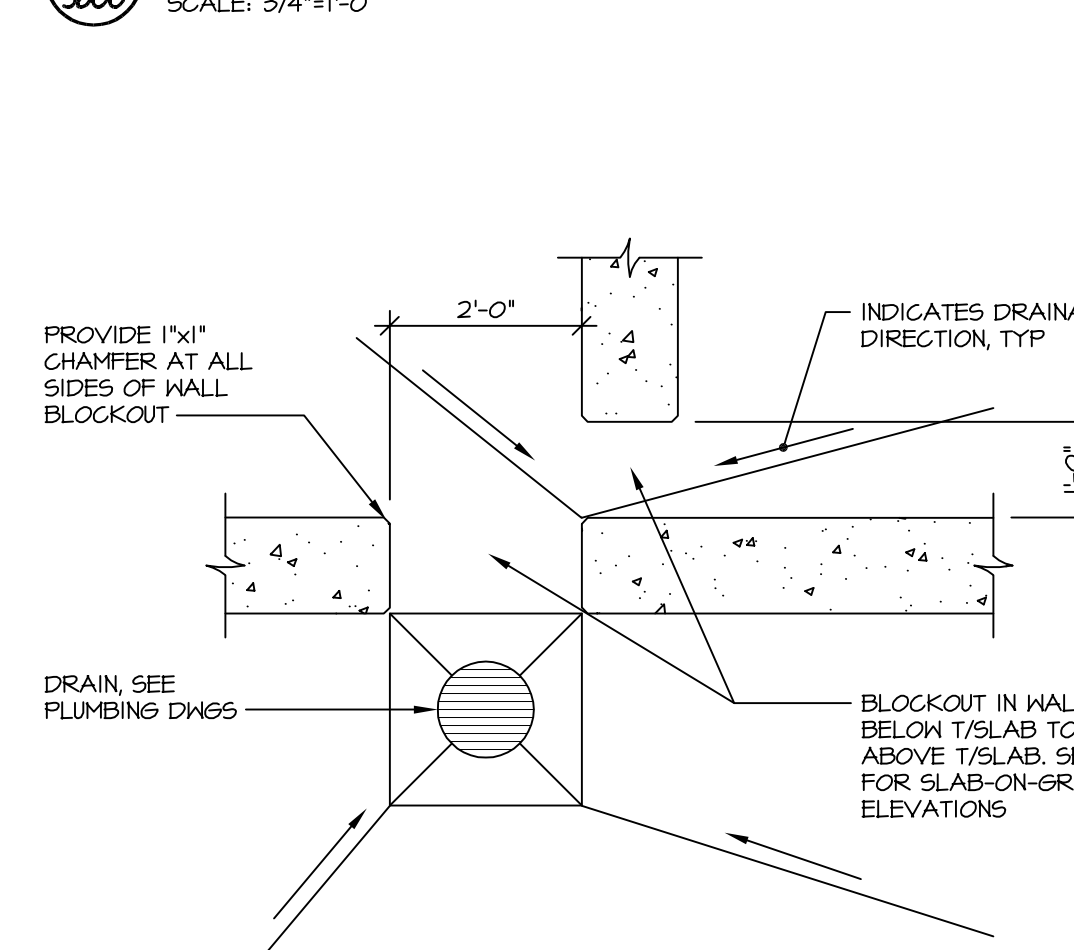
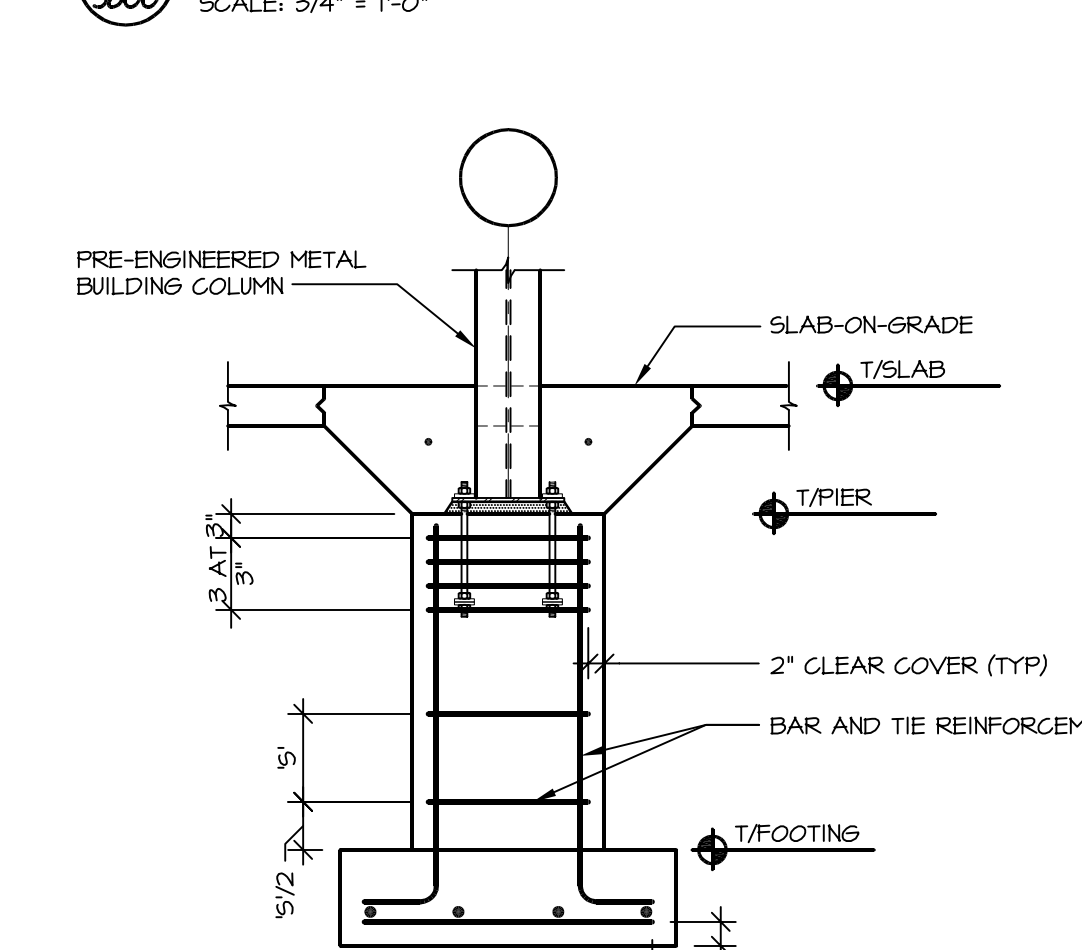
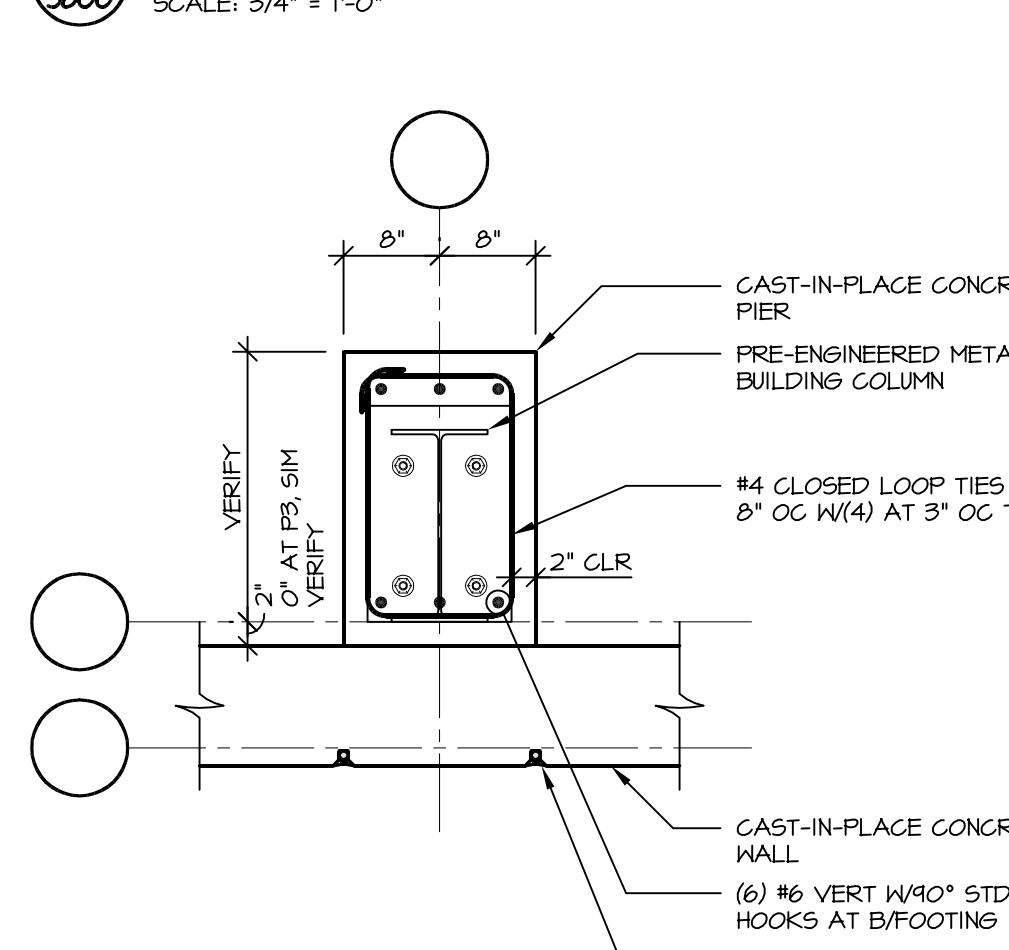
14 COLUMN FOOTING WITH UPLIFT
SCALE: 3/4\"/>



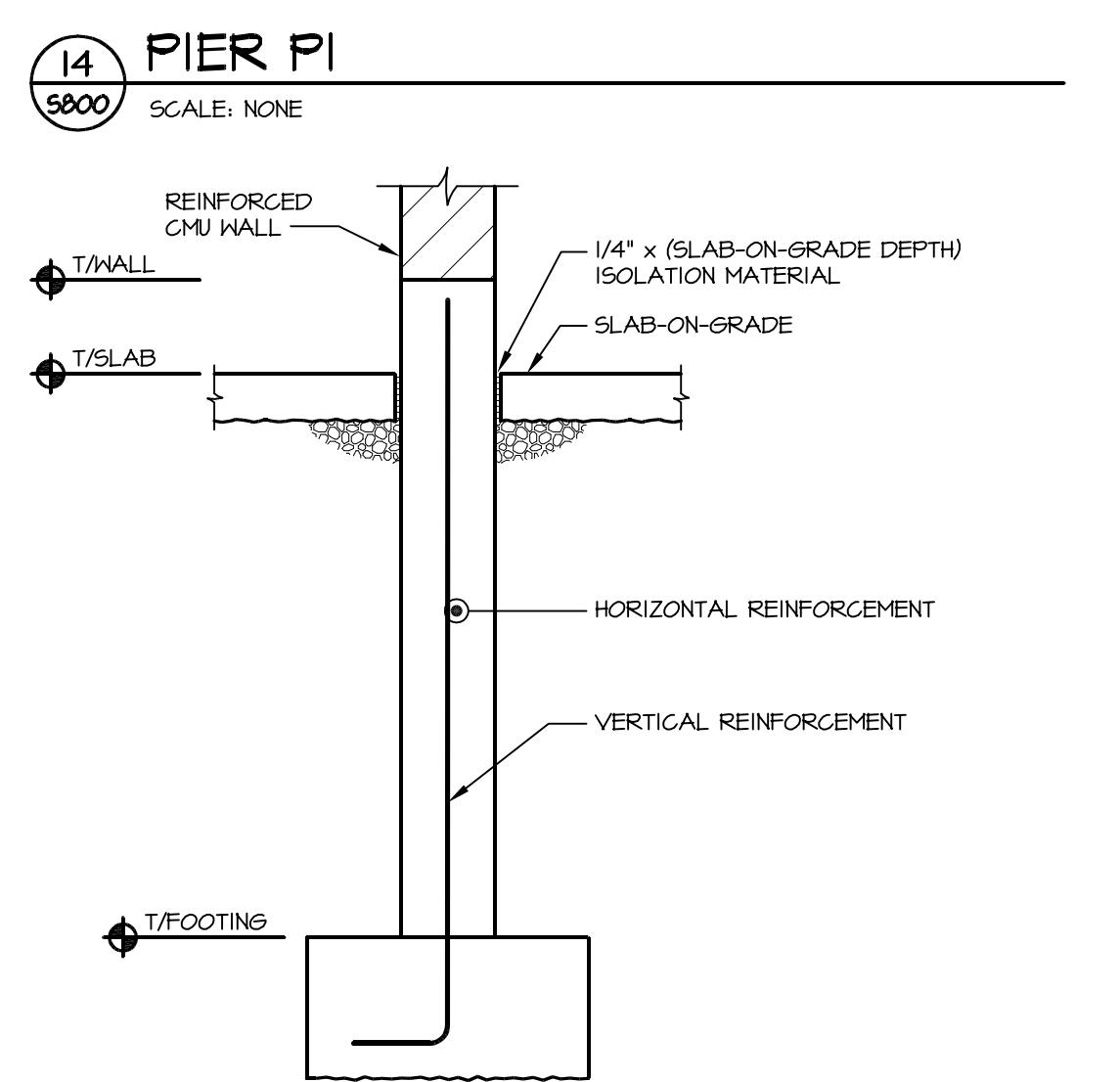
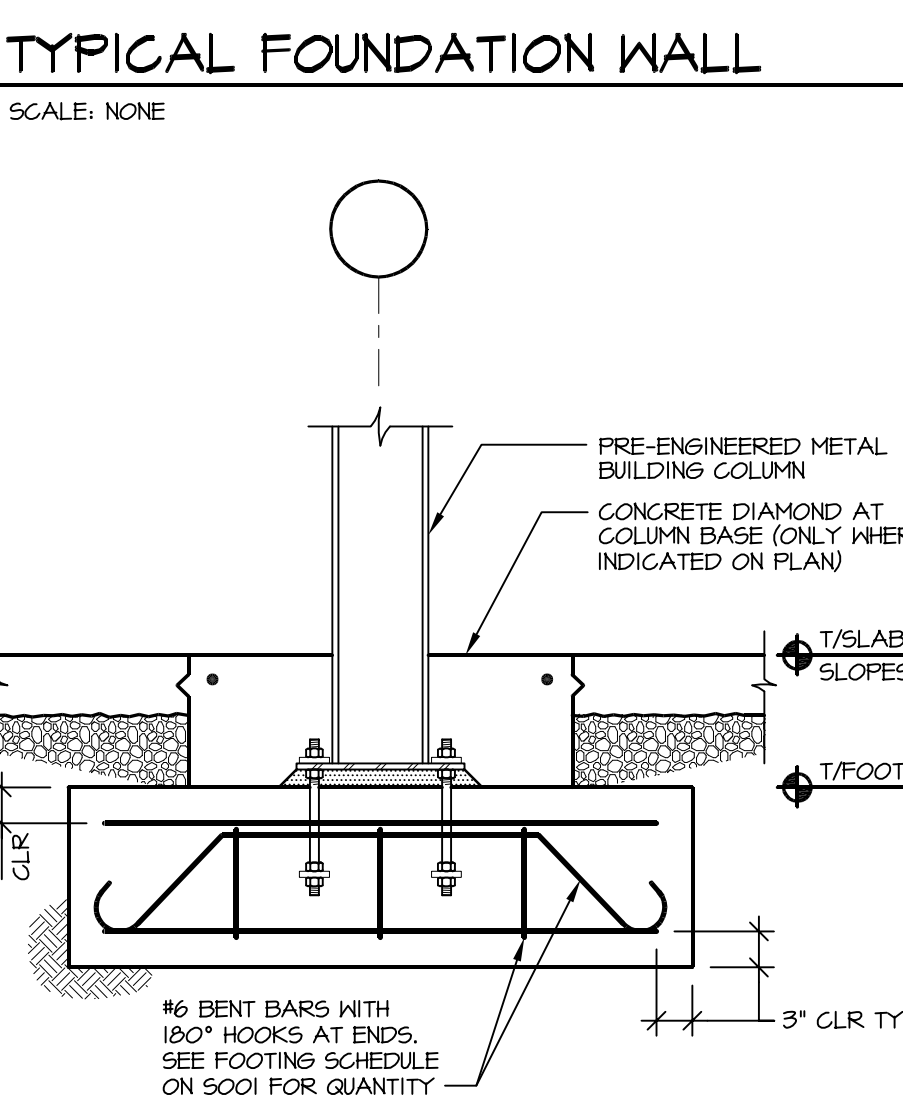
15 PIER P4
SCALE: NONE



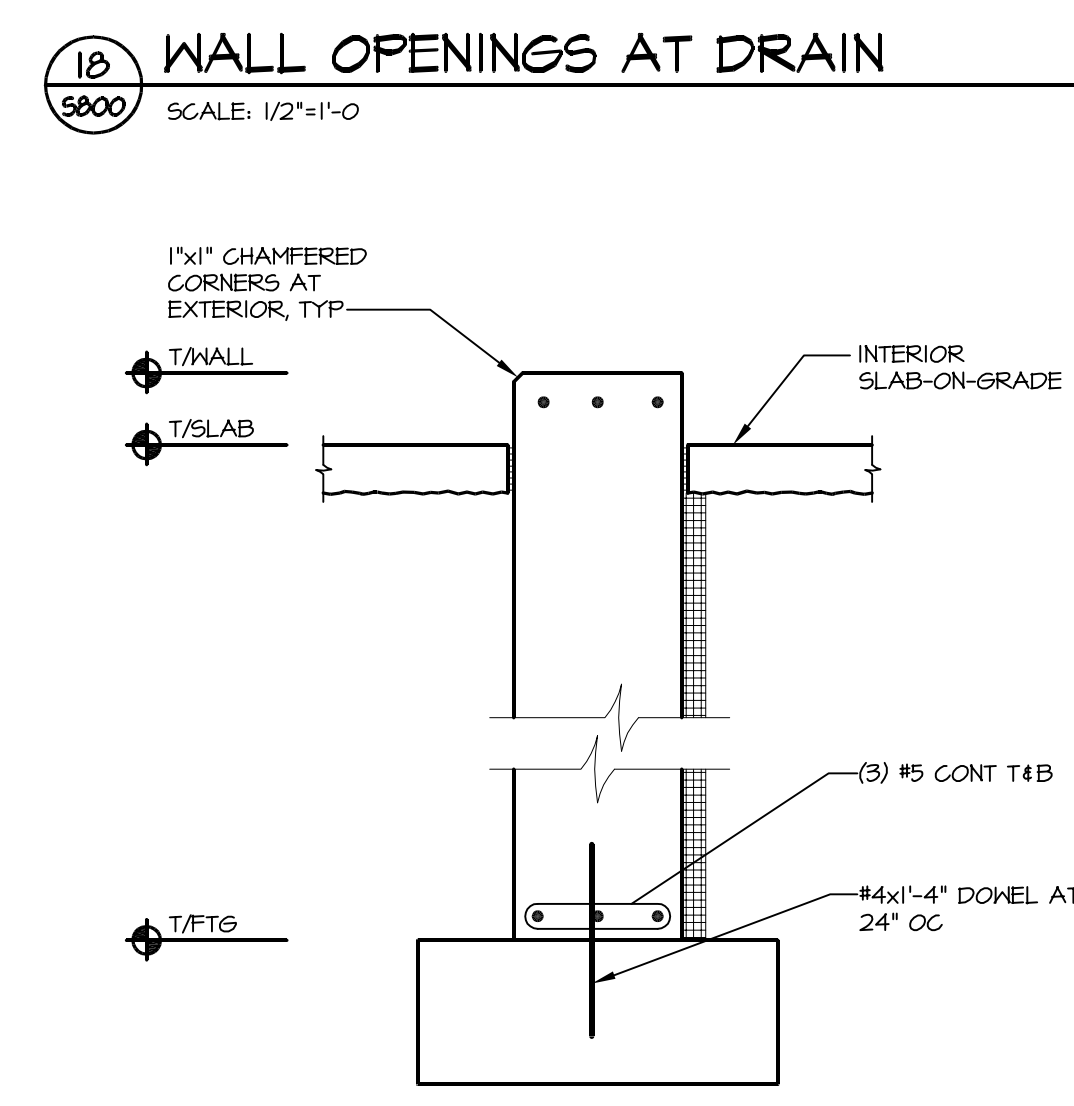
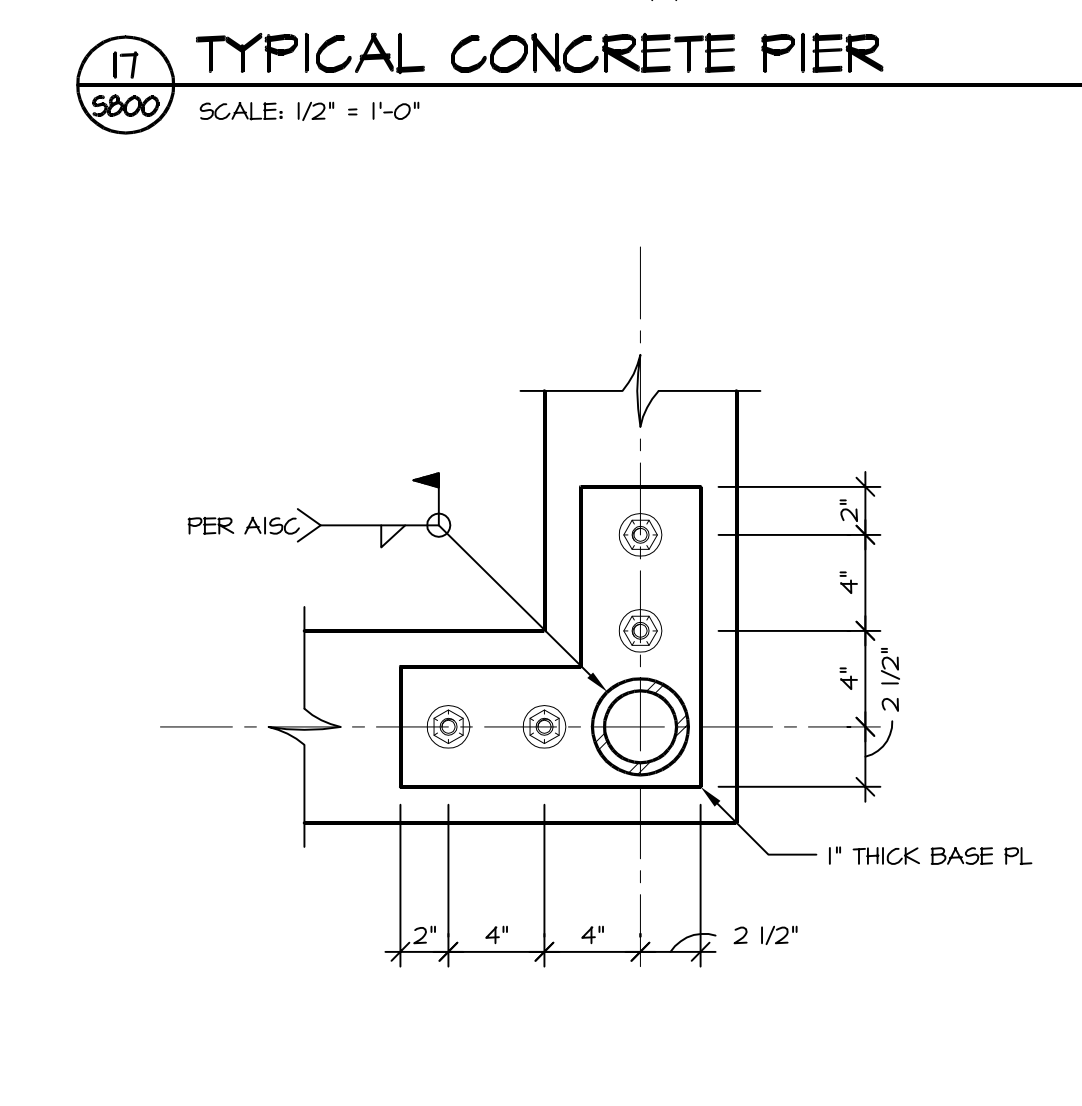
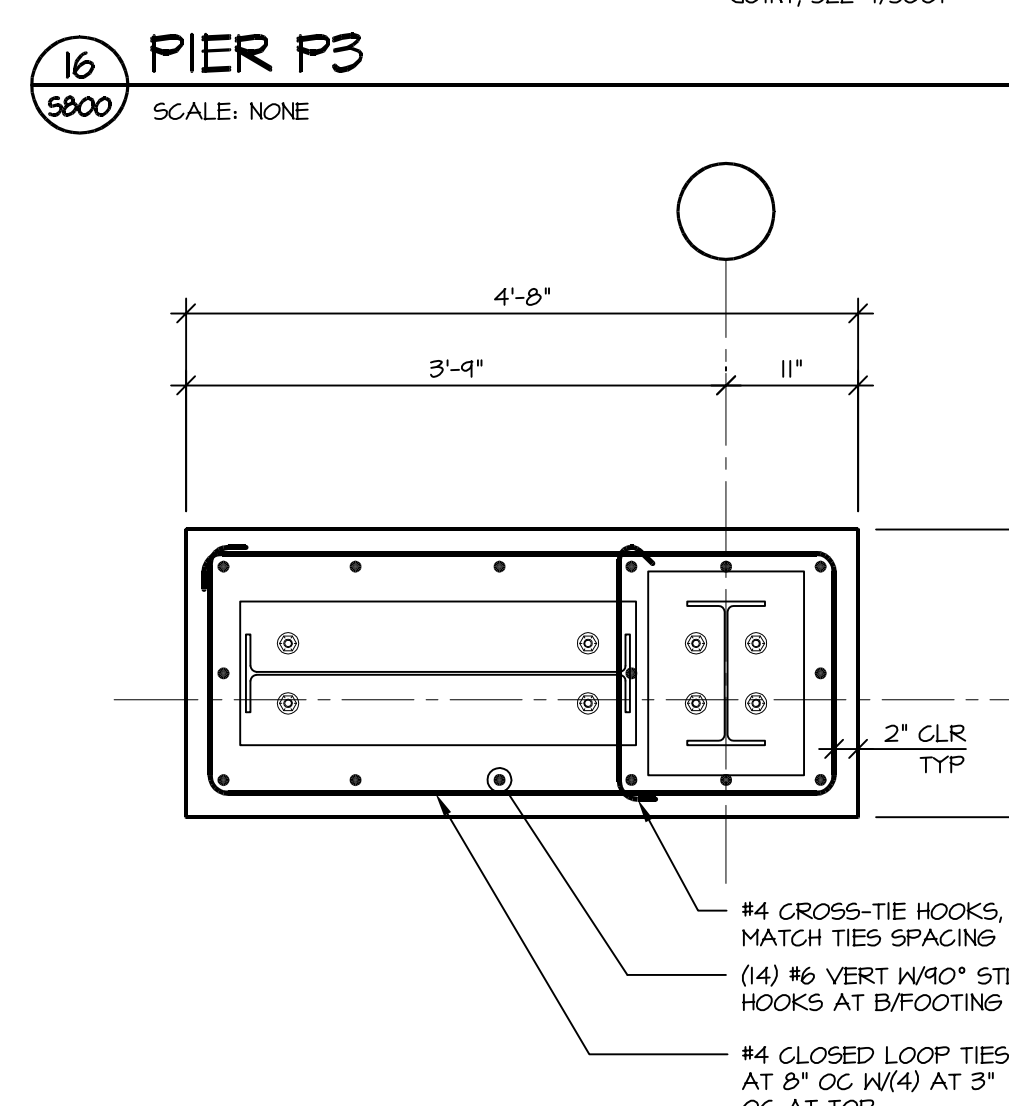
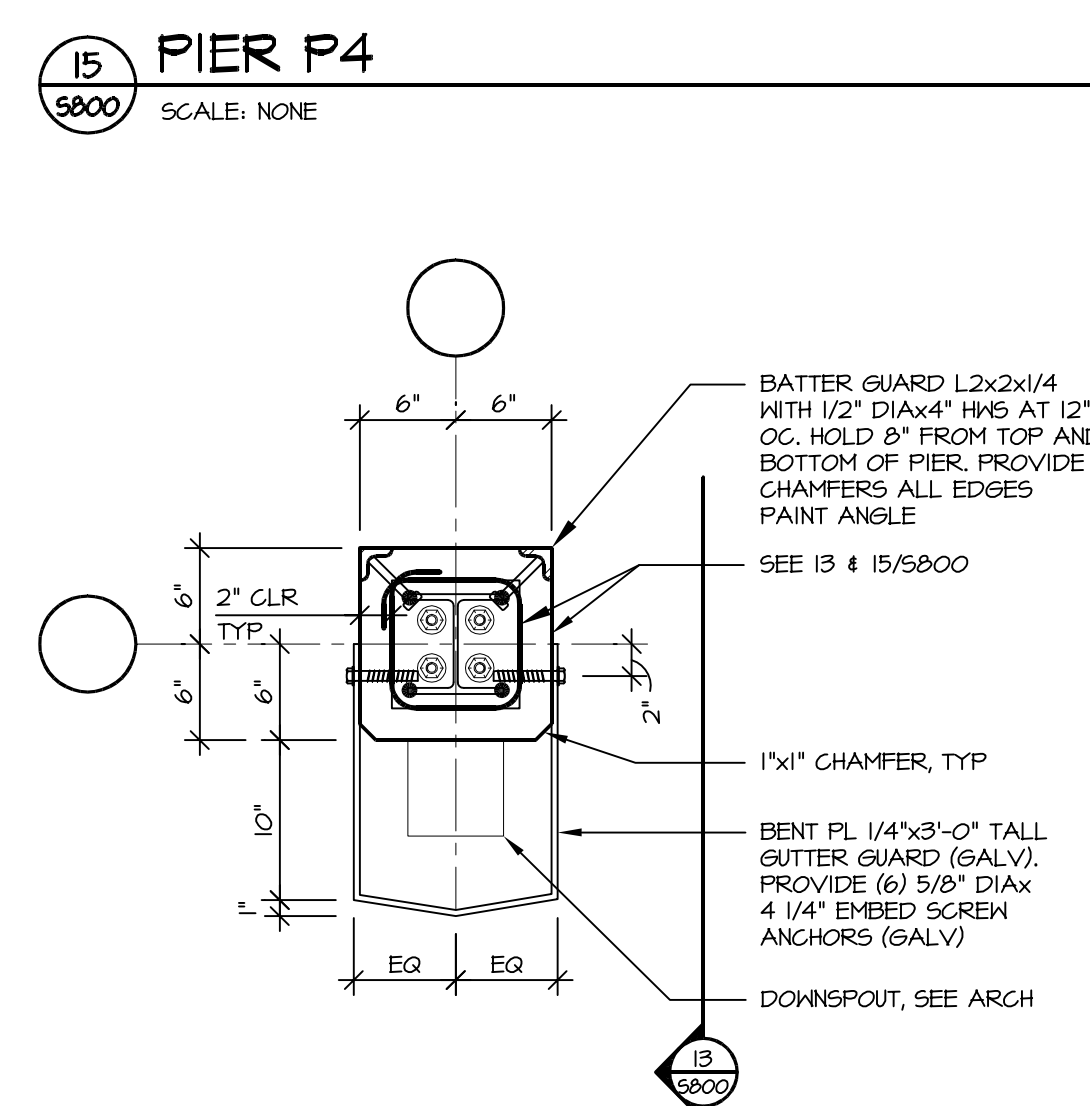
16 PIER P3
SCALE: NONE



19 WALL OPENINGS AT DRAIN
SCALE: 1/2\"/>



21 PIER P2
SCALE: NONE



25 FND WALL AT PRE-FUNCTION
SCALE: 3/4\"/>

CONSULTANT
ARNOLD & O'SHERIDAN, INC.
728 HEARTLAND TRAIL
MADISON, WI 53717

T/ 608 821 8500
F/ 608 821 8501
AEO PROJECT #130172
Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including but not limited to, temporary supports, shoring, forming to support proposed loads and other similar items.

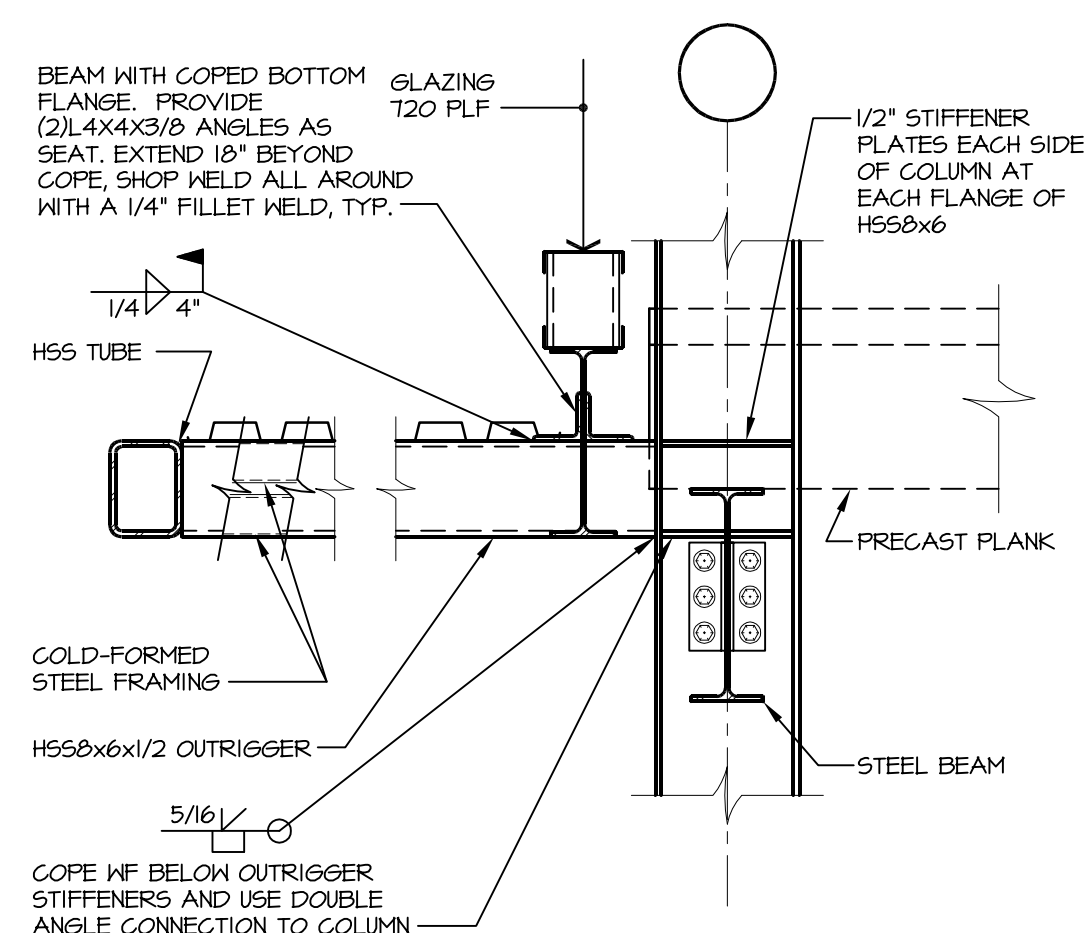
DRAWING SET CD
COPYRIGHT STRANG, INC. 2013
FILE NAME 130172_S001.dwg
REVISIONS
ADDENDUM #1 11-01-13
DRAWN MMO
CHECKED TJD
DATE 10-29-13
PROJECT NO. 2013027_02
PROJECT TITLE

ALLIANT ENERGY
CENTER PAVILIONS
BID # 313072

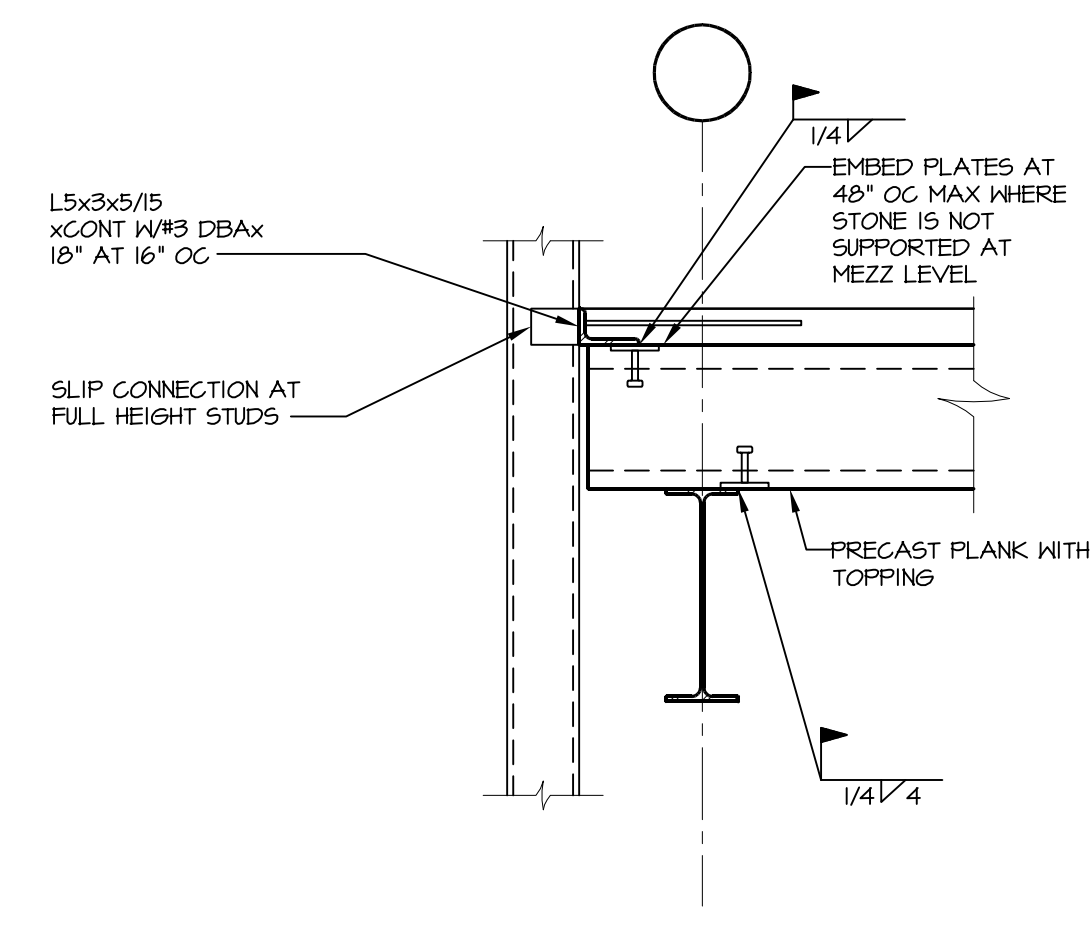
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

SHEET TITLE
**FOUNDATION
DETAILS**

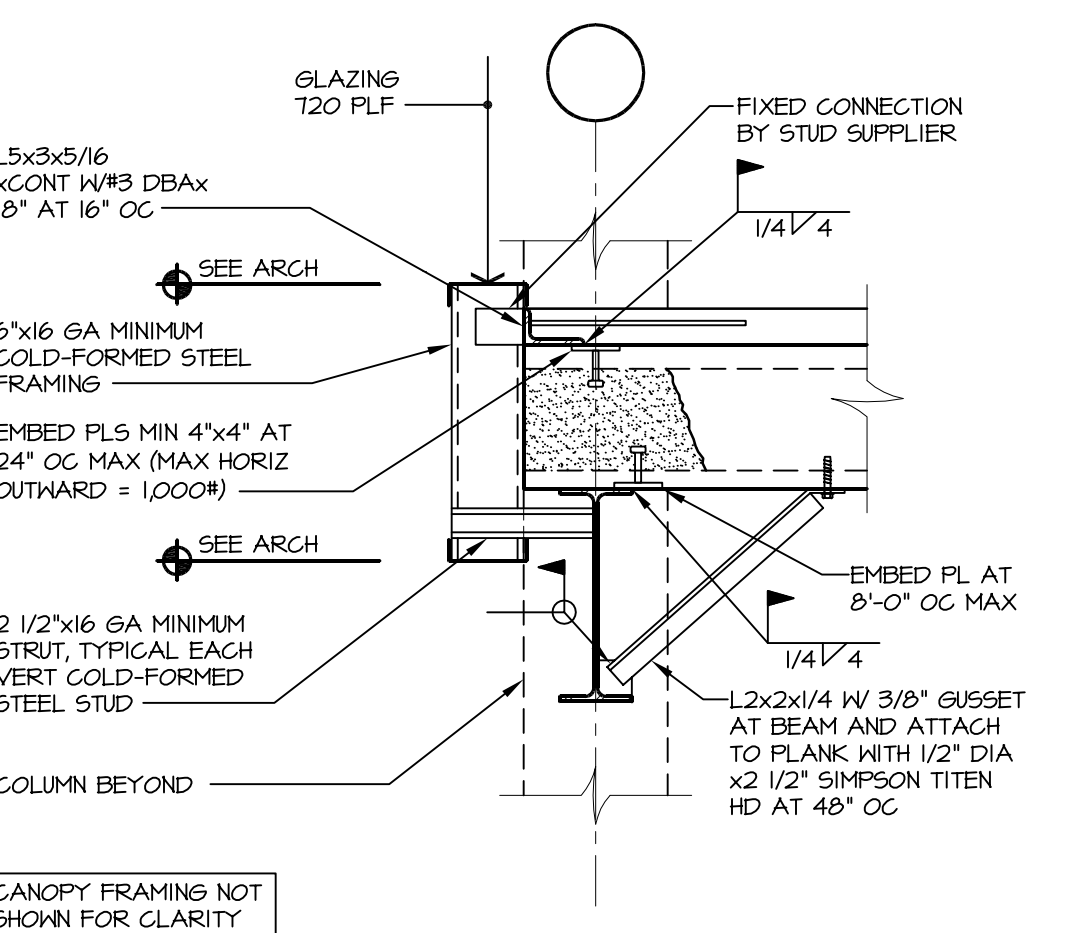
SHEET NO.
S800



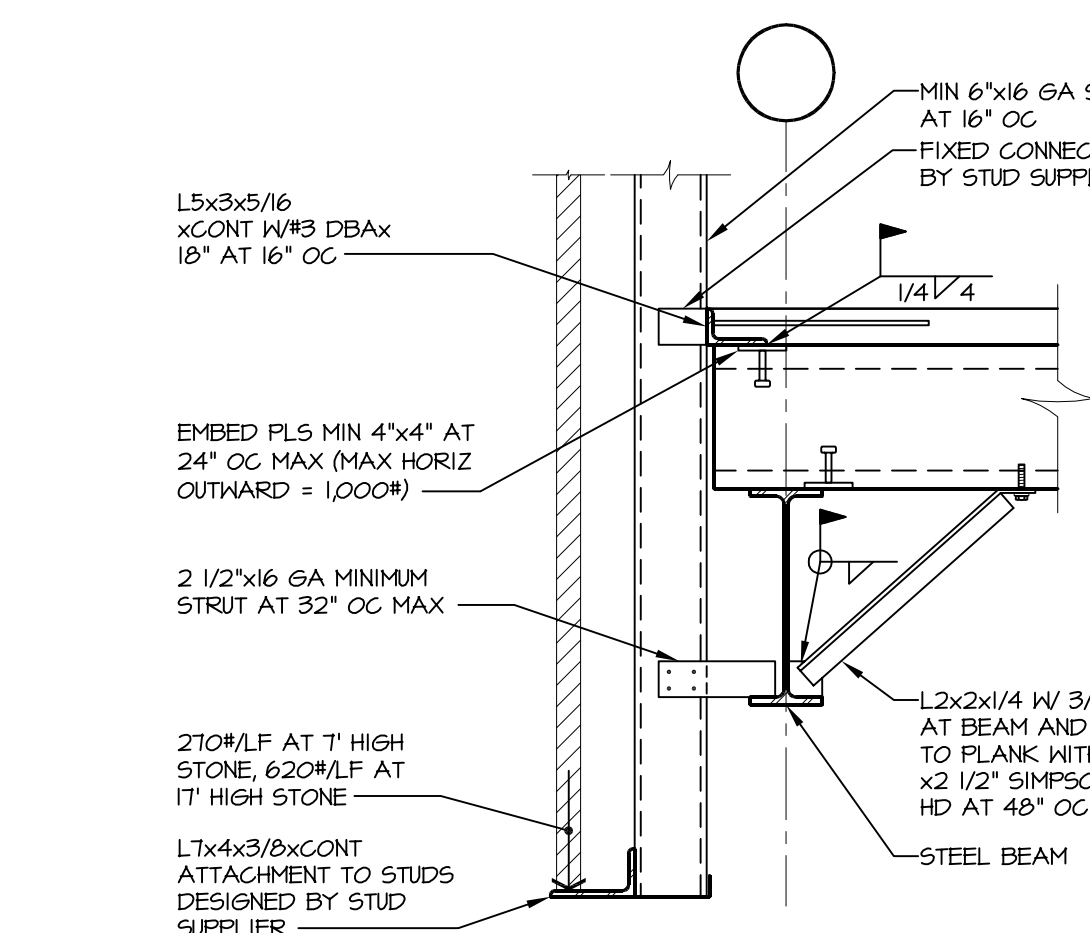
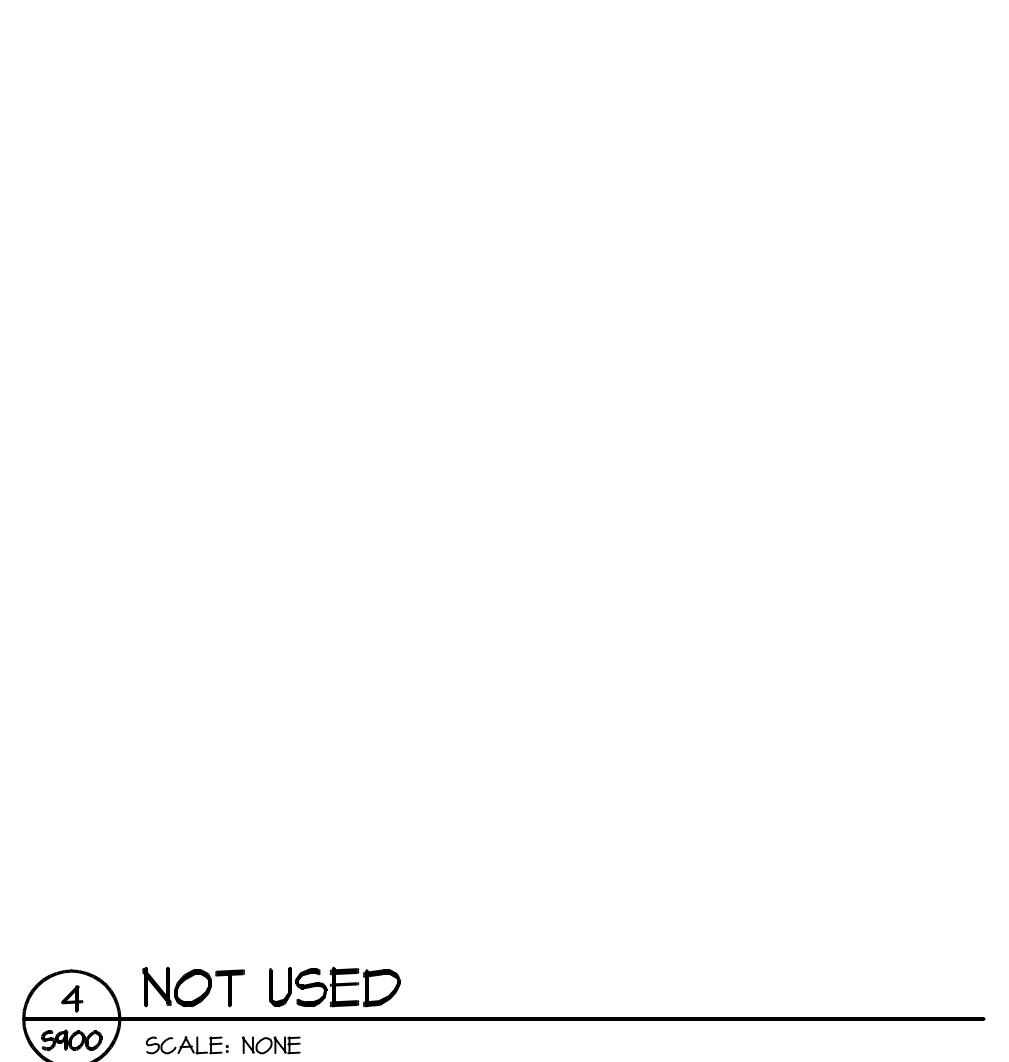
1 SECTION AT CANOPY OUTRIGGER
SCALE: 3/4" = 1'-0"



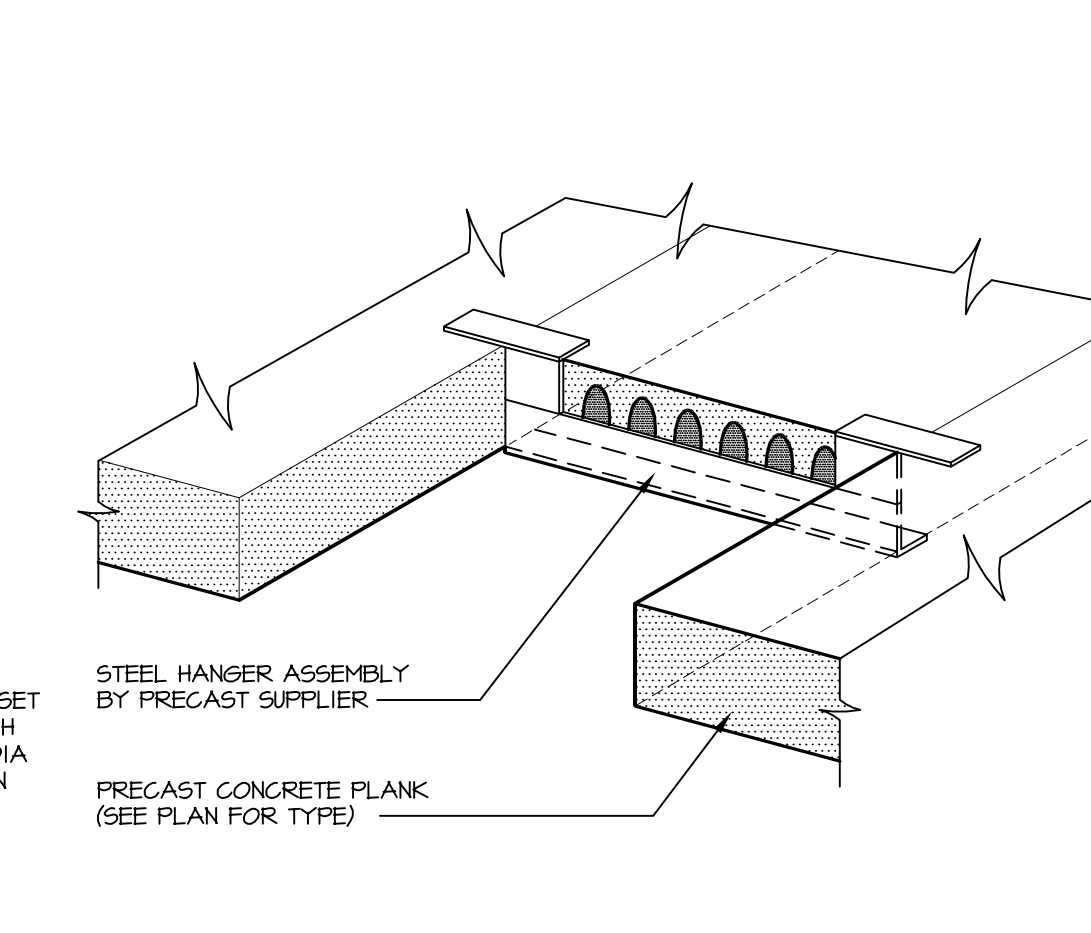
2 SECTION AT FULL HEIGHT STUDS
SCALE: 3/4" = 1'-0"



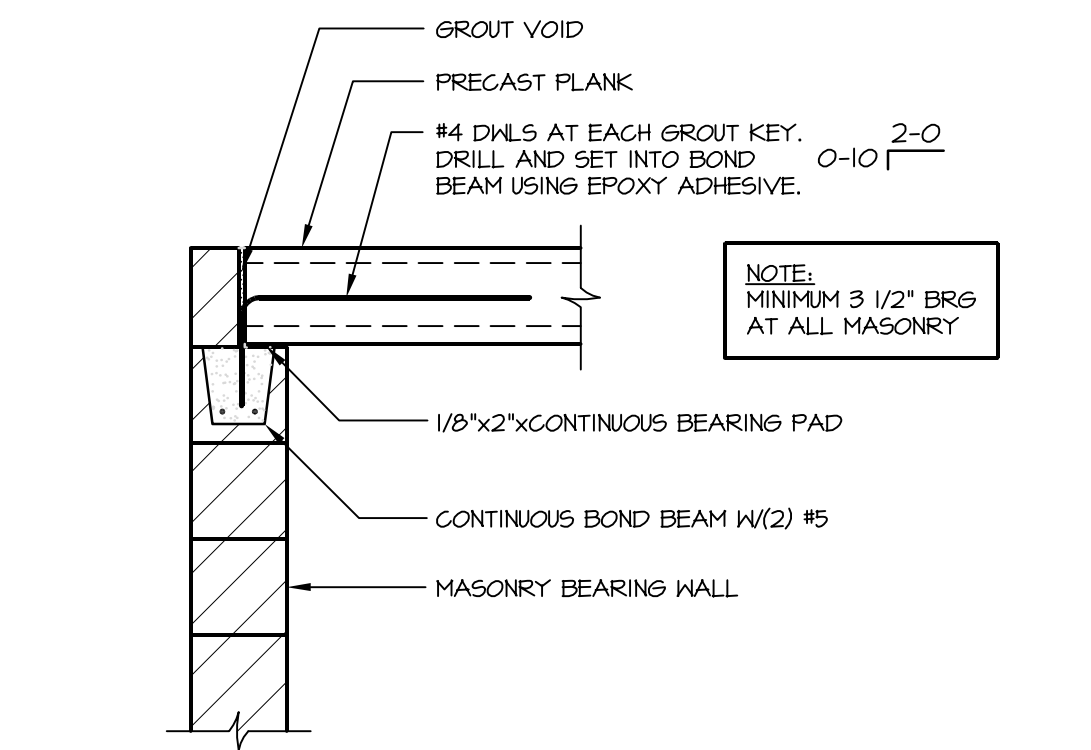
3 MEZZ FLOOR EDGE AT STOREFRONT
SCALE: 3/4" = 1'-0"



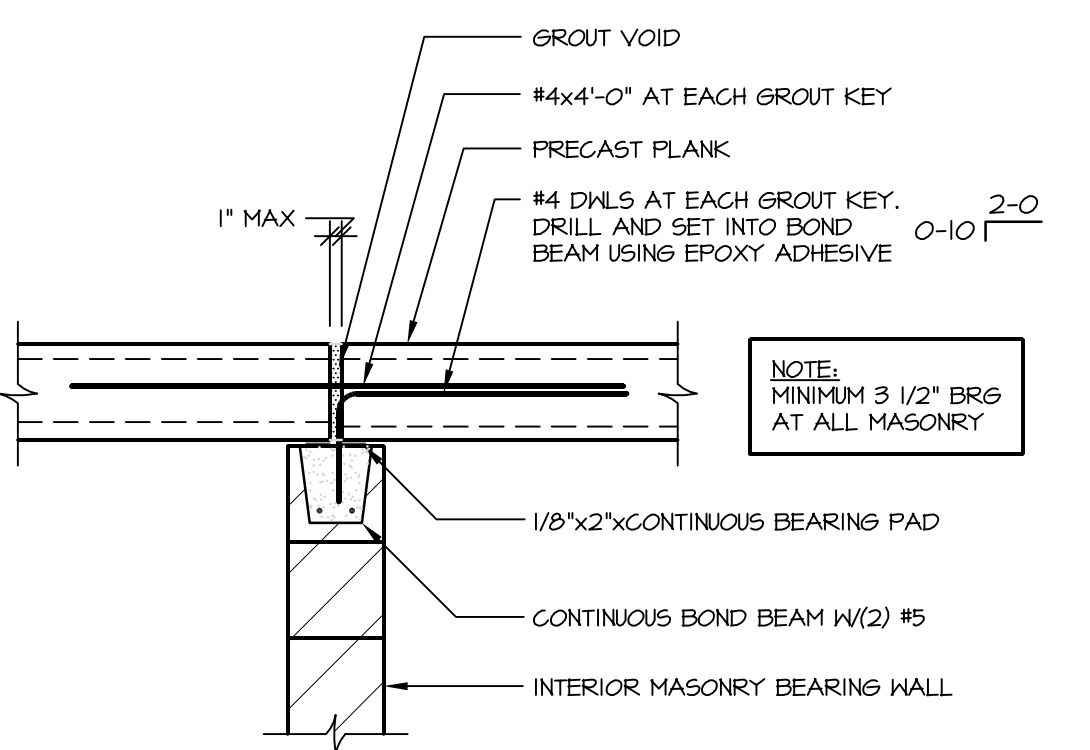
5 STONE SUPPORT AT CANOPY
SCALE: 3/4" = 1'-0"



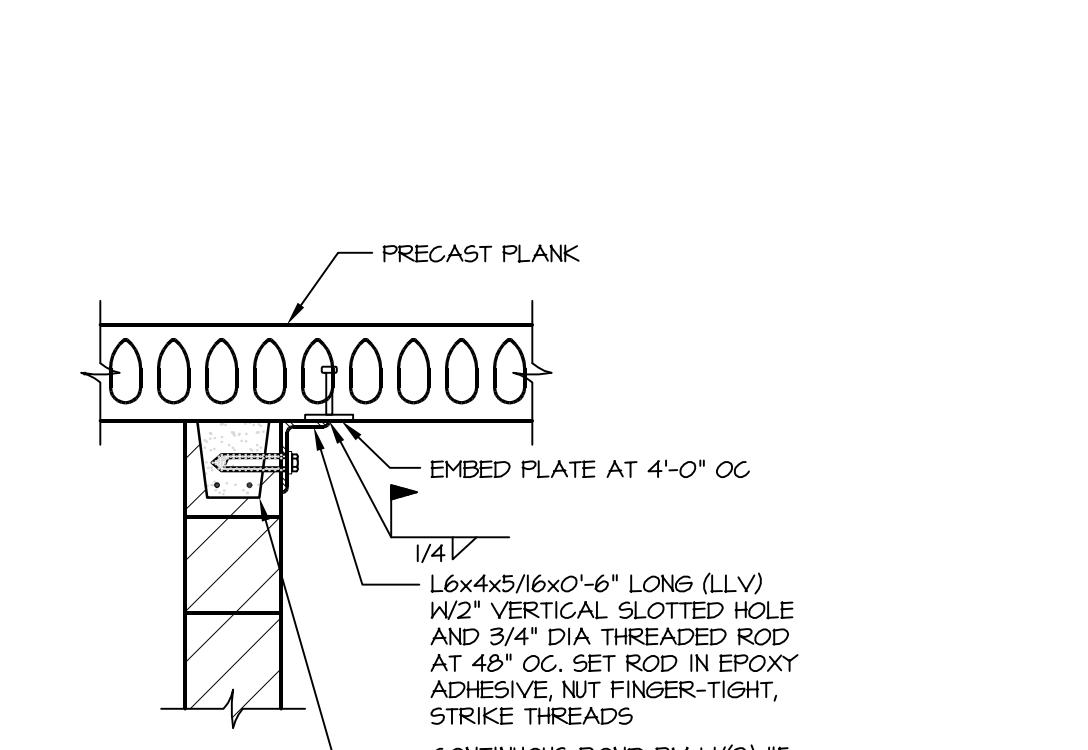
6 PRECAST PLANK HANGER DETAIL
SCALE: NONE



7 PRECAST BEARING AT MASONRY WALL
SCALE: 3/4" = 1'-0"



8 PRECAST BEARING AT INTERIOR MASONRY WALL
SCALE: 3/4" = 1'-0"



9 PRECAST PLANK DETAIL AT NON-BEARING MASONRY WALL
SCALE: 3/4" = 1'-0"

CONCRETE SLAB SCHEDULE										
BASE BID					ALT BID #4 - FIBER REINFORCED CONCRETE					REMARKS
MARK	THICKNESS	REINFORCEMENT	VAPOR RETARDER	CHOKER COURSE	BASE COURSE	THICKNESS	FIBER DOSAGE RATE	VAPOR RETARDER	CHOKER COURSE	
A	4"	W#F 6x6/H2.W#2.1	YES	1"	8"	4"	5 YDS/YD ³	YES	1"	8"
B	5"	W#F 6x6/H2.W#4.2	YES	1"	8"	6"	5 YDS/YD ³	YES	1"	8"
C	6"	W#F 6x6/H4.O#4.0	YES	NONE	8"	7"	5 YDS/YD ³	YES	NONE	8"
D	6"	W#F 6x6/H4.O#4.0	NO	NONE	8"	7"	5 YDS/YD ³	NO	NONE	8"
E	6"	W#F 6x6/H4.O#4.0	YES	NONE	8"	6"	NOTE 5	YES	NONE	8"
F	6"	W#F 6x6/H4.O#4.0	YES	1"	8"	7"	5 YDS/YD ³	YES	1"	8"
G	3"	W#F 6x6/H2.W#2.1	-	-	-	3"	5 YDS/YD ³	-	-	-

- CONCRETE SLAB NOTES:
- SEE THE GEOTECHNICAL REPORT FOR SUB-GRADE PREPARATION.
 - VAPOR RETARDER IS 10 MIL, SEE PROJECT SPECIFICATION MANUAL SECTION 03 30 00.
 - CHOKER COURSE, SEE PROJECT SPECIFICATION MANUAL SECTION 03 30 00.
 - BASE COURSE, 8" OF 3/4" DENSE GRADED BASE PER HIS DOT SECTION 305. SEE GEOTECHNICAL REPORT AND PROJECT SPECIFICATION MANUAL SECTION 03 30 00.
 - THE MILKING PARLOR IN PAVILION #2 MUST REMAIN HELDED WIRE REINFORCEMENT (W#F 6x6/H4.O#4.0) FOR ELECTRICAL GROUNDING REQUIREMENTS.
 - REINFORCEMENT STEEL PER ASTM A615 WILL REMAIN AND NOT BE REPLACED WITH FIBER REINFORCED CONCRETE.
 - WELD WIRE REINFORCEMENT (W#F) IS LOCATED 2" OFF THE TOP OF THE SLAB SUPPORTED ON CHAIRS WITH SAND BASE SUPPORT.

LINE	THICKNESS	LINE	SPAN	SECTION	REMARKS
M.L1	8" CMU	6' TO 6'	8"x8" BOND BEAM W/2" #5 BOTTOM		
M.L2	8" CMU	6' TO 4'	8"x16" BOND BEAM W/2" #5 BOTTOM		KNOCK OUT BLOCK
M.L3	12" CMU	0' TO 6'	12"x8" BOND BEAM W/2" #5 BOTTOM		
M.L4	12" CMU	6' TO 4'	12"x16" BOND BEAM W/2" #5 BOTTOM		KNOCK OUT BLOCK

NOMINAL BEAM DEPTH, INCHES	ROWS OF BOLTS	LENGTH OF ANGLE	REMARKS	BOLT DIA.
W44	12	2'-11 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.	1"
W40	11	2'-8 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.	1"
W36	10	1'-8 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.	1"
W30-W33	8	1'-8 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.	1"
W24-W27	7	1'-2 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.	1"
W21	6	11 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.	1"
W18	5	14 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.	1"
W16	4	11 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.	3/4"
W14	3	8 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.	3/4"
W12	2	5 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.	3/4"
W8-W10	-	-	SINGLE PLATE CONNECTION SEE SECTION A-A	3/4"



BAR SIZE	COLUMNS		BEAMS						SLAB, OTHER					
	F _c 4 KSI	F _c 5 KSI	F _c 4 KSI	F _c 5 KSI	F _c 6 KSI	F _c 8 KSI	F _c 4 KSI	F _c 5 KSI	F _c 6 KSI	F _c 8 KSI	F _c 4 KSI	F _c 5 KSI	F _c 6 KSI	
#3	16	16	16	16	16	16	16	16	16	16	16	16	16	
#4	14	14	14	14	14	14	14	14	14	14	14	14	14	
#5	23	21	18	23	30	21	19	25	23	30	21	21	19	
#6	28	25	23	28	36	25	33	23	30	36	25	33	30	
#7	33	24	21	33	42	24	38	21	35	43	30	39	21	
#8	34	35	32	34	51	35	46	32	42	44	31	31	36	
#9	50	44	41	50	64	44	58	41	53	56	45	45	54	
#10	88	74	72	88	100	74	83	72	80	92	74	74	85	
#11	108	91	88	110	120	91	100	88	96	112	91	91	102	

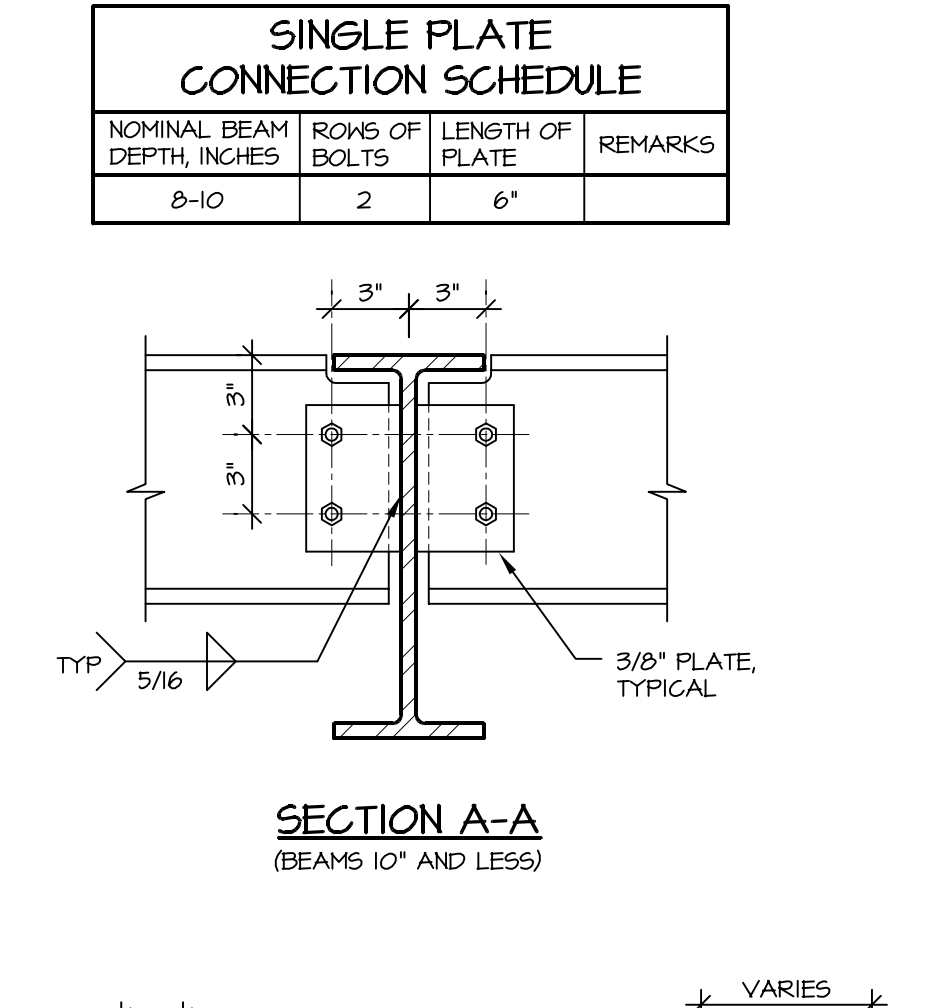
- UNCOATED CLASS B' TENSION LAP SPLICE LENGTHS (INCHES)
- NOTES: (d_b = BAR DIAMETER, C-C = CENTER-TO-CENTER)
- SCHEDULE BASED ON CLEAR COVER > 1 d_b (BUT LESS THAN 2 d_b)
 - BASED ON 3 d_b < C-C < 4 d_b FOR #10 BARS AND LARGER, 4 d_b < C-C < 6 d_b FOR OTHERS
 - BASED ON 4 d_b < C-C < 6 d_b
 - BASED ON C-C ≥ 6 d_b
- THIS SCHEDULE IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT INTENDED TO COVER ALL SITUATIONS. SHOP DRAWINGS SHALL CLEARLY INDICATE ALL REQUIRED LAP LENGTHS.

- NOTES:
- PROVIDE 8" MINIMUM BEARING EACH END, TYPICAL.
 - GROUT ALL BOND BEAMS SOLID.
 - WIDTH OF BOND BEAM TO MATCH WIDTH OF WALL.
 - PROVIDE 1 1/2" BOTTOM CLEAR COVER.
 - SEE DETAIL 3/5/02 FOR TYPICAL BRICK SUPPORT.
 - SEE LINTEL SCHEDULE ON SHEET S900 FOR STEEL AND CONCRETE LINTELS.
 - SEE ARCHITECTURAL DRAWINGS FOR MASONRY LINTEL LOCATIONS.



WALL THICKNESS	CLEAR MASONRY OPENING WIDTH	SECTION	REMARKS
ALL	AT FIRE EXTINGUISHER CABINETS AND DRINKING FOUNTAINS	1/4" PL	
4"	TO 5'-0"	5T 3 X 6.25	
4"	TO 7'-0"	PL 3/8 X 4 1/2 ON PL 3/8 X 3 1/2	
4"	TO 9'-0"	PL 3/8 X 7 1/2 ON PL 3/8 X 3 1/2	
6"	TO 5'-0"	(2) L 3 1/2 X 2 1/2 X 1/4 LLV	
6"	TO 7'-0"	WT 4 X 10.5	
6"	TO 9'-0"	WT 7 X 11	
8"	TO 5'-0"	(2) L 3 1/2 X 3 1/2 X 1/4	
8"	TO 7'-0"	(2) L 4 X 3 1/2 X 5/16 LLV	
8"	TO 9'-0"	WT 7 X 15	
10"	TO 7'-0"	WT 8 X 15	
10"	TO 9'-0"	WT 8 X 15 WITH PL 5/16 X 9	
12"	TO 5'-0"	(3) L 3 1/2 X 3 1/2 X 1/4	
12"	TO 7'-0"	WT 8 X 10 WITH PL 5/16 X 11	
12"	TO 9'-0"	WT 8 X 15 WITH PL 5/16 X 11	

- DOUBLE ANGLE CONNECTION AT BACK TO BACK BEAMS SECTION B-B (BEAMS 12" AND GREATER)
- NOTES:
- NUMBER OF ROWS IS EQUAL TO NUMBER OF BOLTS TO ENCLOSED WEB.
 - ALL FRAMING CONNECTIONS SHALL CONFORM TO SCHEDULE UNLESS DETAILED OTHERWISE ON FRAMING PLANS.
 - WHEN BOLTED CONNECTION IS USED IN ASSOCIATION WITH ROD X-BRACES, PROVIDE (1) ADDITIONAL BOLT PER ROW FOR CONNECTIONS AT 3/4", 1/8" AND 1" DIA. RODS. SEE ROD X-BRACE DETAIL FOR ADDITIONAL BOLTS FOR LARGER DIAMETER X-BRACE RODS.
 - FOR MISALIGNED BOLT HINGS, PROVIDE FIELD WELDS. NOTIFY A/E OF LOCATIONS USING FIELD WELDED CONNECTION.



- LOOSE STEEL LINTEL SCHEDULE (SEE NOTE 1)
- NOTES:
- LINTELS CALLED OUT IN THIS SCHEDULE ARE FOR NON-LOAD BEARING MASONRY WALL AND FOR LOAD BEARING WALLS WHERE LOAD IS INTRODUCED ABOVE THE LINTEL AT A DISTANCE GREATER THAN THE LINTEL SPAN.
 - PROVIDE MINIMUM 8" BEARINGS AT EACH END OF LINTEL.
 - CENTER LINTELS IN WALL UNLESS NOTED OTHERWISE.
 - BOTTOM PLATES UNDER WIDE FLANGE SHAFES SHALL BE EXTENDED FULL LENGTH OF LINTEL.
 - WELD LINTEL COMPONENTS INTO SINGLE UNIT.
 - NO LINTELS REQUIRED FOR 4" AND 6" NON-LOAD BEARING MASONRY WALLS WHERE GROUTED HOLLOW METAL FRAMES HAVE A HEADSPAN OF 4'-0" OR LESS.
 - PROVIDE THESE LINTELS WHERE OTHER LINTELS ARE NOT SPECIFICALLY DETAILED.
 - GROUT BLOCK CORES SOLID MINIMUM (3) COURSES BELOW LINTEL BEARING.

MARK	THICKNESS	REINFORCEMENT	VAPOR RETARDER	CHOKER COURSE	BASE COURSE	THICKNESS	FIBER DOSAGE RATE	VAPOR RETARDER	CHOKER COURSE	BASE COURSE	REMARKS
A	4"	W#F 6x6/H2.W#2.1	YES	1"	8"	4"	5 YDS/YD ³	YES	1"	8"	
B	5"	W#F 6x6/H2.W#4.2	YES	1"	8"	6"	5 YDS/YD ³	YES	1"	8"	
C	6"	W#F 6x6/H4.O#4.0	YES	NONE	8"	7"	5 YDS/YD ³	YES	NONE	8"	
D	6"	W#F 6x6/H4.O#4.0	NO	NONE	8"	7"	5 YDS/YD ³	NO	NONE	8"	
E	6"	W#F 6x6/H4.O#4.0	YES	NONE	8"	6"	NOTE 5	YES	NONE	8"	
F	6"	W#F 6x6/H4.O#4.0	YES	1"	8"	7"	5 YDS/YD ³	YES	1"	8"	
G	3"	W#F 6x6/H2.W#2.1	-	-	-	3"	5 YDS/YD ³	-	-	-	TOPPING SLAB

- CONCRETE SLAB NOTES:
- SEE THE GEOTECHNICAL REPORT FOR SUB-GRADE PREPARATION.
 - VAPOR RETARDER IS 10 MIL, SEE PROJECT SPECIFICATION MANUAL SECTION 03 30 00.
 - CHOKER COURSE, SEE PROJECT SPECIFICATION MANUAL SECTION 03 30 00.
 - BASE COURSE, 8" OF 3/4" DENSE GRADED BASE PER HIS DOT SECTION 305. SEE GEOTECHNICAL REPORT AND PROJECT SPECIFICATION MANUAL SECTION 03 30 00.
 - THE MILKING PARLOR IN PAVILION #2 MUST REMAIN HELDED WIRE REINFORCEMENT (W#F 6x6/H4.O#4.0) FOR ELECTRICAL GROUNDING REQUIREMENTS.
 - REINFORCEMENT STEEL PER ASTM A615 WILL REMAIN AND NOT BE REPLACED WITH FIBER REINFORCED CONCRETE.
 - WELD WIRE REINFORCEMENT (W#F) IS LOCATED 2" OFF THE TOP OF THE SLAB SUPPORTED ON CHAIRS WITH SAND BASE SUPPORT.

LINE	THICKNESS	LINE	SPAN	SECTION	REMARKS
M.L1	8" CMU	6' TO 6'	8"x8" BOND BEAM W/2" #5 BOTTOM		
M.L2	8" CMU	6' TO 4'	8"x16" BOND BEAM W/2" #5 BOTTOM		KNOCK OUT BLOCK
M.L3	12" CMU	0' TO 6'	12"x8" BOND BEAM W/2" #5 BOTTOM		
M.L4	12" CMU	6' TO 4'	12"x16" BOND BEAM W/2" #5 BOTTOM		KNOCK OUT BLOCK

- DOUBLE ANGLE CONNECTION AT BACK TO BACK BEAMS SECTION B-B (BEAMS 12" AND GREATER)
- NOTES:
- NUMBER OF ROWS IS EQUAL TO NUMBER OF BOLTS TO ENCLOSED WEB.
 - ALL FRAMING CONNECTIONS SHALL CONFORM TO SCHEDULE UNLESS DETAILED OTHERWISE ON FRAMING PLANS.
 - WHEN BOLTED CONNECTION IS USED IN ASSOCIATION WITH ROD X-BRACES, PROVIDE (1) ADDITIONAL BOLT PER ROW FOR CONNECTIONS AT 3/4", 1/8" AND 1" DIA. RODS. SEE ROD X-BRACE DETAIL FOR ADDITIONAL BOLTS FOR LARGER DIAMETER X-BRACE RODS.
 - FOR MISALIGNED BOLT HINGS, PROVIDE FIELD WELDS. NOTIFY A/E OF LOCATIONS USING FIELD WELDED CONNECTION.

STRANG
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

STRANG INC.
8411 MINERAL POINT ROAD
MADISON, WI 53705-4335
T/ 608 278 9200
F/ 608 278 9204

CONSULTANT

ARNOLD & O'SHERIDAN, INC.
728 HEARTLAND TRAIL
MADISON, WI 53717

PROJECT #130172

CONTRACTORS ARE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO TEMPORARY SUPPORTS, SHORING, FORMING TO SUPPORT PROPOSED LOADS AND OTHER SIMILAR ITEMS.

DRAWING SET CD

COPYRIGHT STRANG, INC. 2013

FILE NAME 130172_S001.dwg

REVISIONS

ADDENDUM #1 11-01-13

DRAWN MMO

CHECKED TJD

DATE 10-29-13

PROJECT NO. 2013027_02

PROJECT TITLE

ALLIANT ENERGY CENTER PAVILIONS BID # 313072

1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

SHEET TITLE

FRAMING DETAILS

SHEET NO.

S900