

SEAL

Nathan Berube, PE
FL#55850

bay design
associates architects, pl.
florida certificate of
authorization AA0003597

PROJECT:
Gulf Breeze Community Center
800 Shoreline Drive
Gulf Breeze, FL 32561

SHEET TITLE:
General Notes & Typical Details

PROJECT NO: 2413
FILE NO:
DATE: 06.01.2011
REVISION:

SHEET

S001

STRUCTURAL NOTES:

- THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2007 FLORIDA BUILDING CODE WITH 2009 REVISIONS.
- MATERIALS TO CONFORM TO THE FOLLOWING:

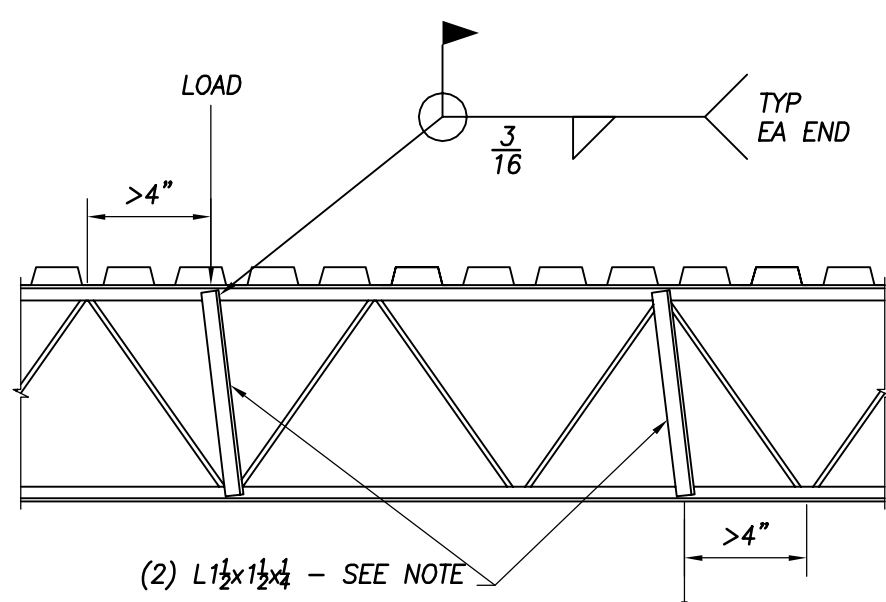
CONCRETE	3000 PSI AT 28 DAYS
BLOCK MASONRY	f'm = 1500 PSI
CONCRETE MASONRY UNITS	ASTM C90
MASONRY GROUT	ASTM C476 (2000 PSI AT 28 DAYS)
MASONRY MORTAR	ASTM C270 (TYPE S)
REINFORCING STEEL	ASTM A615 GRADE 60
WELDED WIRE FABRIC	ASTM A185 FLAT SHEETS
ANCHOR BOLTS	ASTM A307 OR F1554, GR 55
EPOXY	SIMPSON SET OR APPROVED EQUIVALENT
STRUCTURAL STEEL	ASTM A992
W SHAPES	ASTM A500 GRADE B
SSS	ASTM A36
OTHER	
STEEL ROOF DECK	1/2" DEEP TYPE B (WIDE RIB), 22 GAGE S = .186 IN ² MIN I = .169 IN ⁴ MIN
STEEL FORM DECK	5/8" DEEP TYPE C, 28 GAGE S = .035 IN ² MIN I = .012 IN ⁴ MIN

- STRUCTURES DESIGNED FOR WIND IN ACCORDANCE WITH ASCE 7-05 AS FOLLOWS:

BASIC WIND SPEED = 140 MPH
IMPORTANCE FACTOR = 1.15
BUILDING CATEGORY III
EXPOSURE C
INTERNAL PRESSURE COEFFICIENT = ±0.18

COMPONENT AND CLADDING FORCES ARE SHOWN ON THE PLANS CONVENIENT TO THOSE ITEMS.

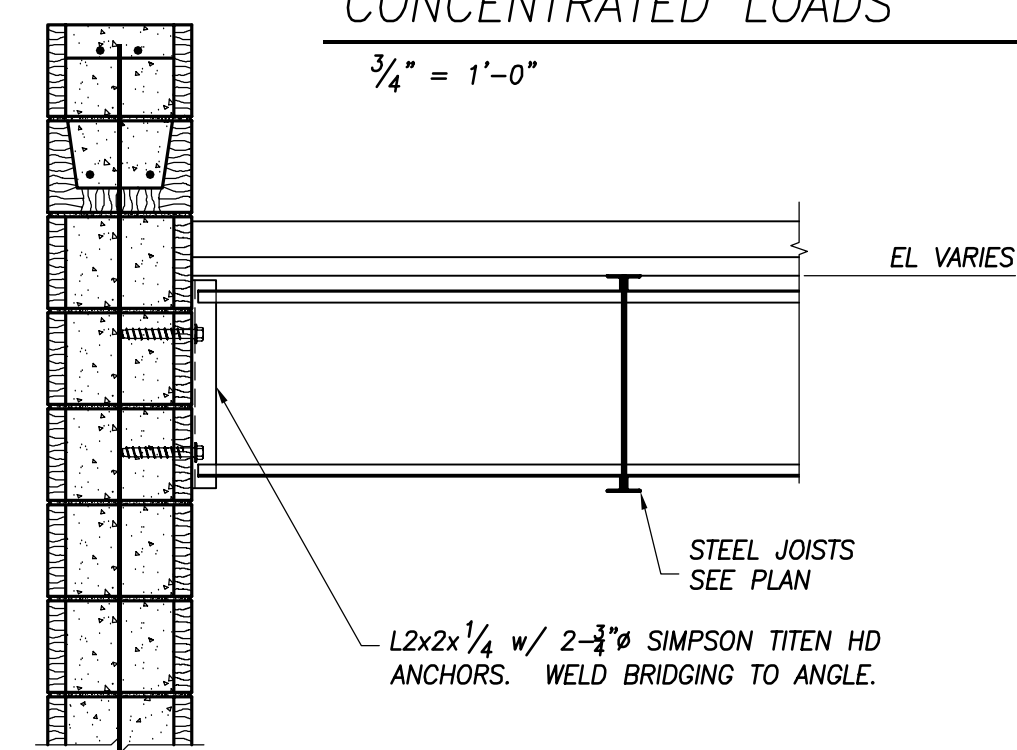
- PREPARE SOIL BENEATH FOUNDATIONS IN ACCORDANCE WITH RECOMMENDATIONS CONTAINED IN PROJECT GEOTECHNICAL REPORT #11-143 DATED 5-23-11 PREPARED BY LARRY M. JACOBS & ASSOCIATES (850-434-0846). SAFE SOIL BEARING: 1000 PSF.
- ALL ELEVATIONS REFERENCED ON THE STRUCTURAL DRAWINGS ARE ABOVE OR BELOW A FINISHED FLOOR ELEVATION OF +0'-0". SEE CIVIL SITE GRADING PLAN FOR THE ACTUAL ELEVATION.
- PLACE REINFORCING IN CONCRETE IN ACCORDANCE WITH ACI 315 WITH A MINIMUM OF 3" CLEAR COVER WHEN CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH. PROVIDE CORNER BARS FOR ALL CONTINUOUS HORIZONTAL REINFORCING.
- SUBMIT REBAR SHOP DRAWINGS TO STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. DETAIL REBAR IN ACCORDANCE WITH ACI 315 AND CRSI. LAP LENGTHS TO BE 48 BAR DIAMETERS UNLESS NOTED OTHERWISE ON THESE DRAWINGS.
- METAL STUDS SHOWN ON DRAWINGS SHALL BE SSMA 600S162-43. TRACKS SHALL BE 600T125-43. BOX BEAM MEMBERS SHALL BE 1200S162-68. ALL WALL STUDS TO HAVE BRIDGING AT 4'-0" O.C. MAX.
- LOCATE WINDOWS AND DOORS PER ARCH DRAWINGS.
- REFER TO ARCH FOR BUILDING B WORK. MASONRY INFILL WALLS SHALL HAVE VERTICAL REINFORCING AND LINTELS IN ACCORDANCE WITH THE BUILDING A DETAILS. DRILL AND EPOXY VERT AND HORIZ BARS TO EXISTING AS REQUIRED TO TIE NEW WALLS TO EXISTING.



NOTE: INSTALL L1 1/2"x1 1/2"x1/4" WEB STIFFENERS ON EACH SIDE OF JOIST WEB WHERE CONCENTRATED LOADS OF 200 LBS OR GREATER OCCUR MORE THAN 4" FROM NEAREST PANEL POINT. INSTALL FROM POINT OF LOAD TO CLOSET PANEL POINT OF OPPOSITE CHORD FROM WHICH LOAD IS APPLIED.

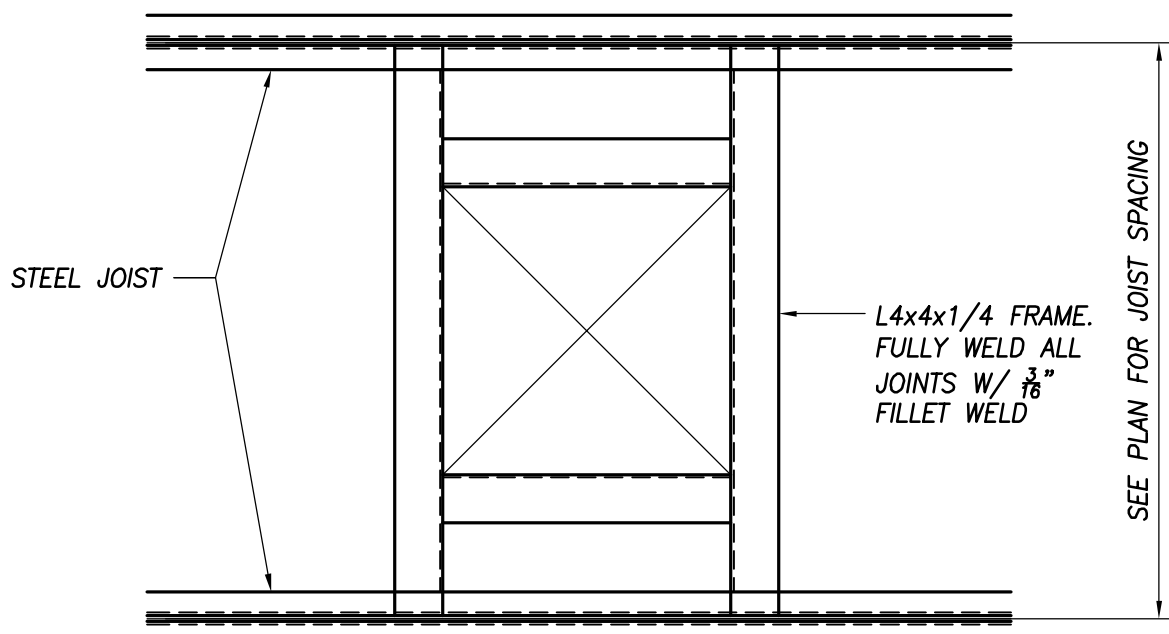
TYPICAL JOIST REINFORCEMENT AT CONCENTRATED LOADS

3/4" = 1'-0"



TYPICAL JOIST BRIDGING ANCHORAGE DETAIL

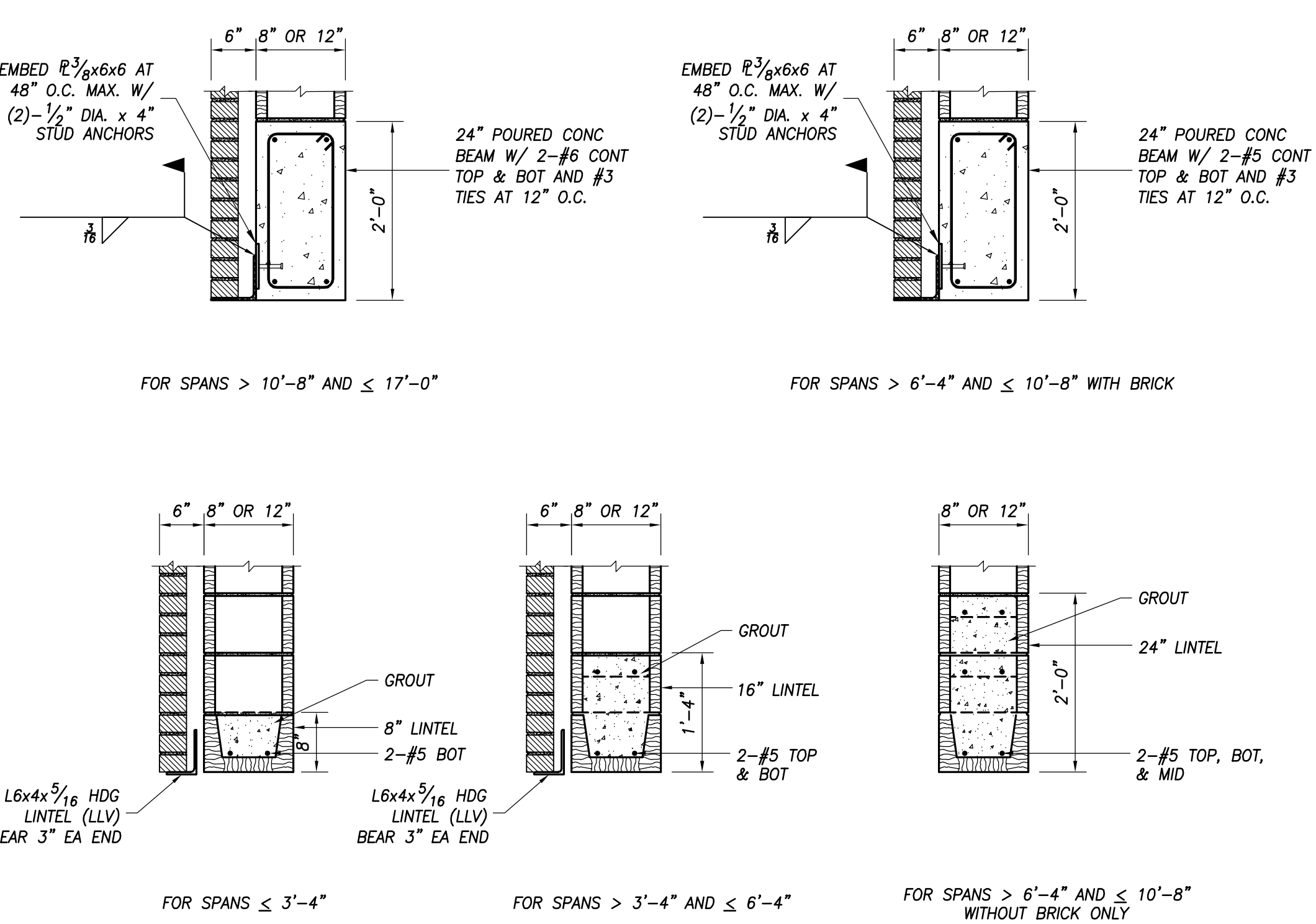
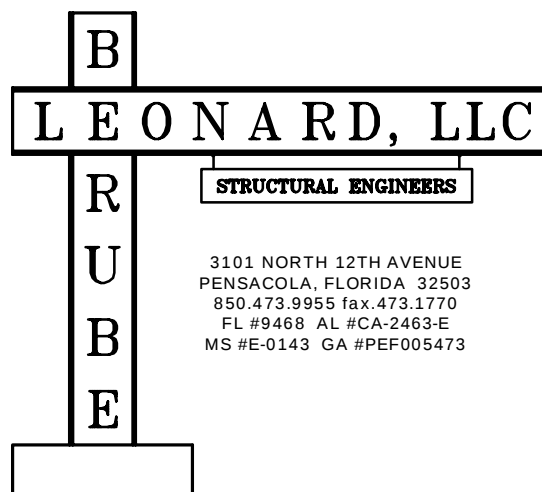
3/4" = 1'-0"



NOTE: REQUIRED FOR OPENINGS 12" AND LARGER. COORDINATE LOCATIONS WITH MECHANICAL CONTRACTOR.

TYPICAL ROOF OPENING DETAIL

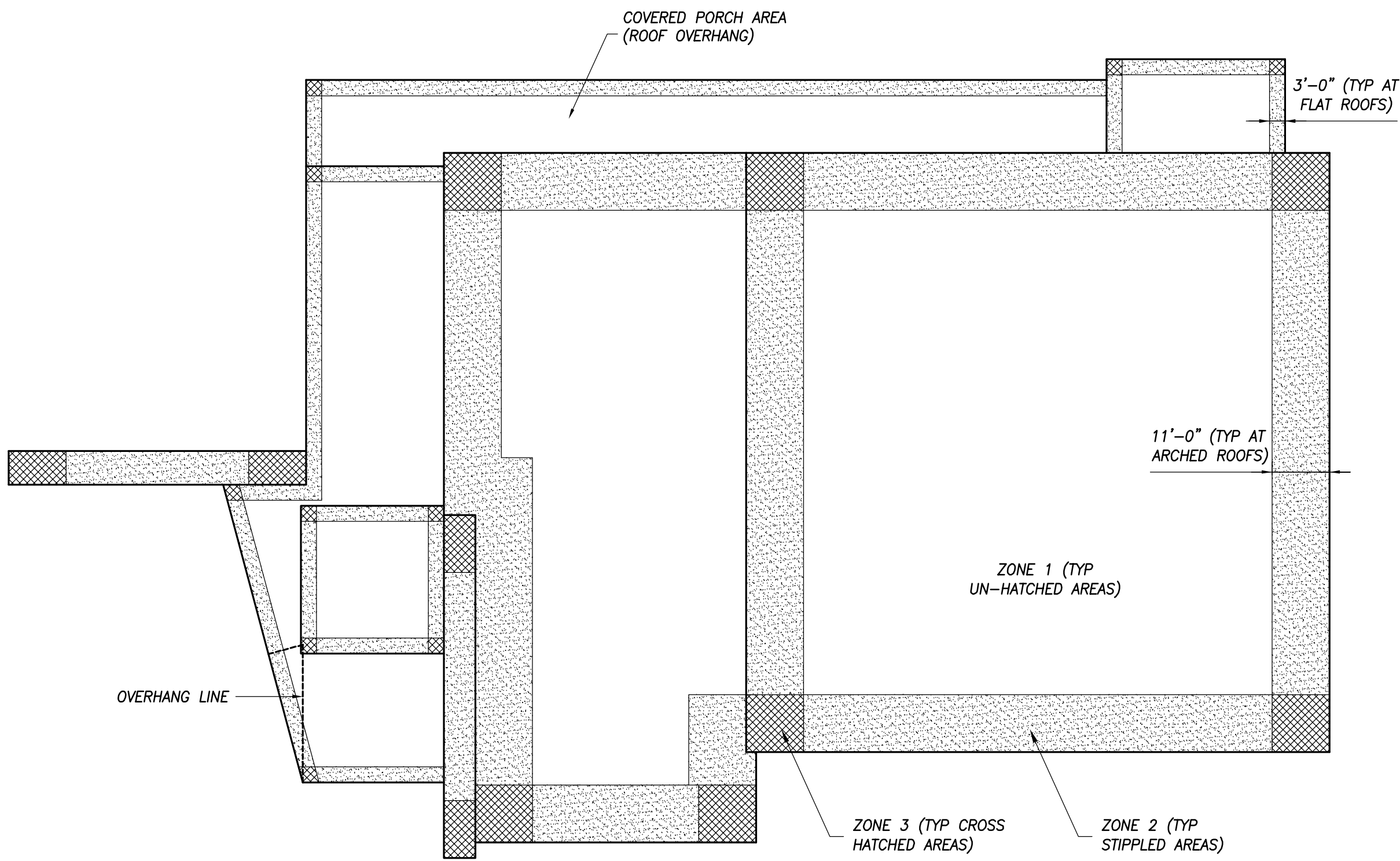
3/4" = 1'-0"



- NOTES:
- MIN LINTEL END BEARING IS 8".
 - SEE SECTIONS FOR NON-TYPICAL LINTELS OVER OPENINGS.
 - OMIT BRICK LINTELS AT WALLS WITHOUT BRICK.
 - PROVIDE LINTELS OVER MECHANICAL OPENINGS IN WALLS.

TYPICAL MASONRY LINTEL DETAILS

3/4" = 1'-0"



ROOF UPLIFT MAP - BUILDING A

NTS

GROSS WIND UPLIFT FORCES FOR ROOF COMPONENTS

JOIST SPAN	(COMPONENT AREA)	ZONE 1	ZONE 2	ZONE 3
≤ 5'-6"	(≤20 SF)	47 PSF	92 PSF	135 PSF
≤ 7'-9"	(≤50 SF)	47 PSF	84 PSF	126 PSF
≤ 12'-3"	(≤100 SF)	47 PSF	75 PSF	115 PSF
> 12'-3"	(>100 SF)	47 PSF	67 PSF	106 PSF

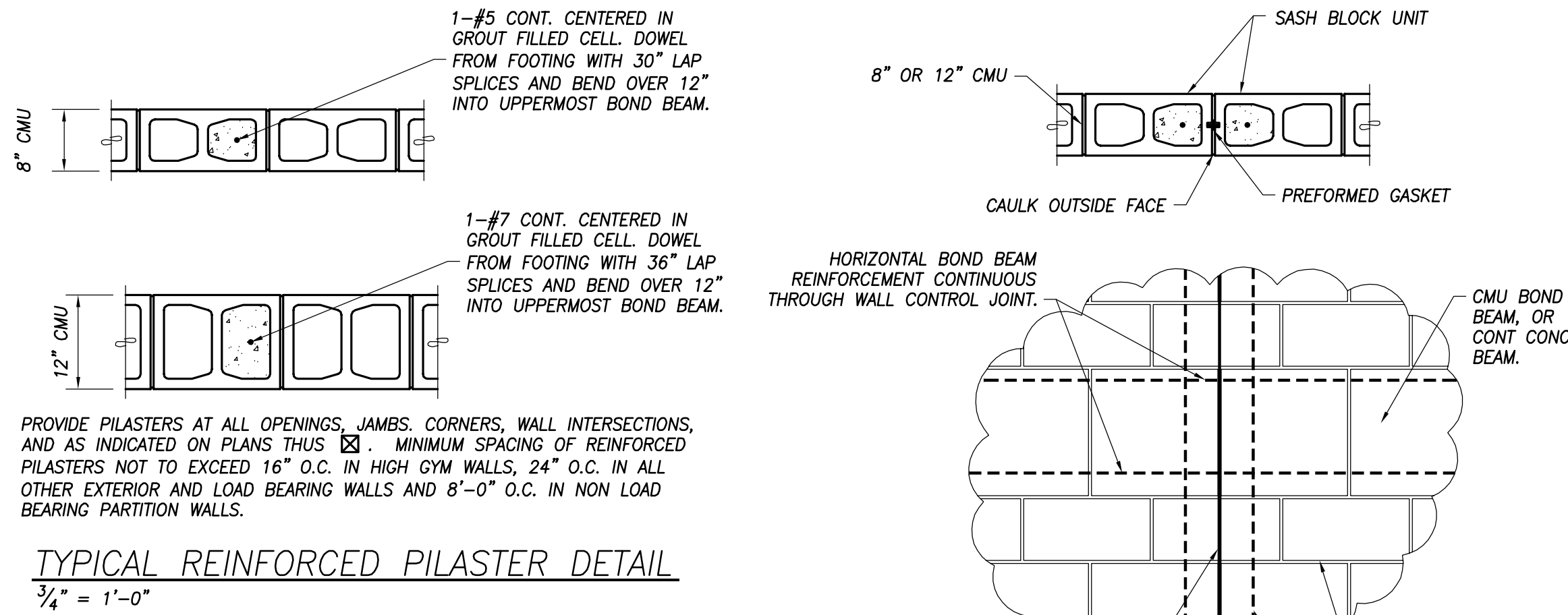
(ADD 40 PSF UPLIFT TO ROOF OVERHANG AREAS)

WALL COMPONENT & CLADDING DESIGN WIND PRESSURES

COMPONENT AREA	INTERIOR ZONE 4 PRESSURE	SUCTION	END ZONE 5 PRESSURE	SUCTION
≤20 SF	63 PSF	-57 PSF	63 PSF	-70 PSF
≤50 SF	50 PSF	-55 PSF	50 PSF	-65 PSF
≤100 SF	47 PSF	-52 PSF	47 PSF	-60 PSF
>100 SF	45 PSF	-49 PSF	45 PSF	-55 PSF

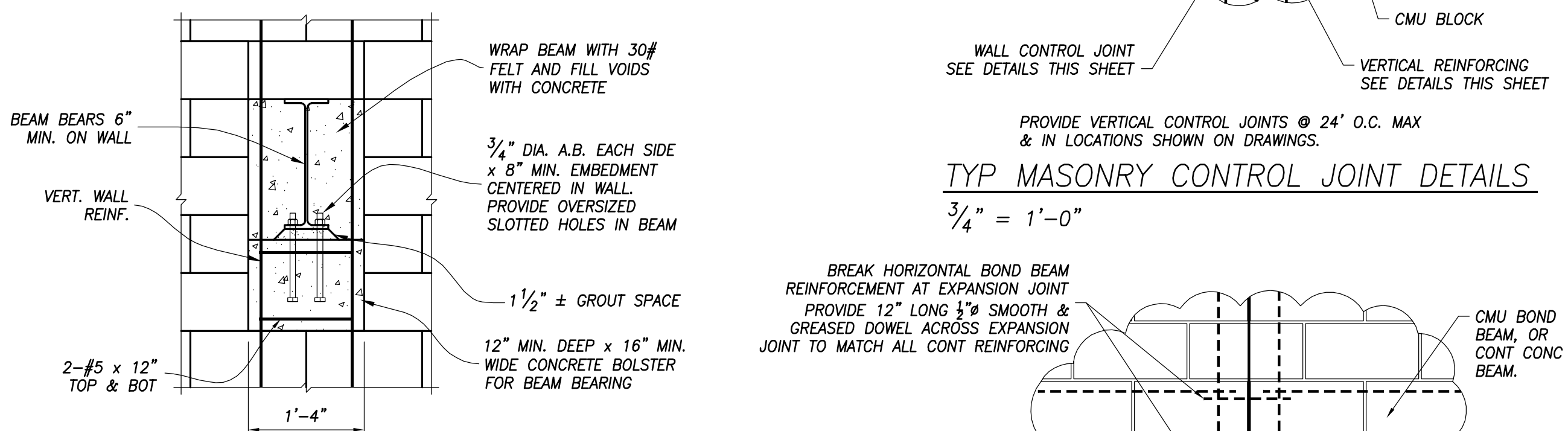
NOTES:

- AT HIGH ARCHED ROOFS, ZONES 2 & 5 OCCUR WITHIN 11'-0" OF BUILDING EDGES AND ZONE 3 OCCURS WITHIN 11'-0" OF BUILDING CORNERS. AT FLAT (AND NEAR FLAT) ROOFS, ZONES 2 & 5 OCCUR WITHIN 3'-0" OF BUILDING EDGES AND ZONE 3 OCCURS WITHIN 3'-0" OF BUILDING CORNERS.
- GROSS WIND UPLIFT LOADS MAY BE REDUCED BY 60% OF DEAD LOAD IN ACCORDANCE WITH THE LOAD COMBINATIONS OF THE 2007 FLORIDA BUILDING CODE.



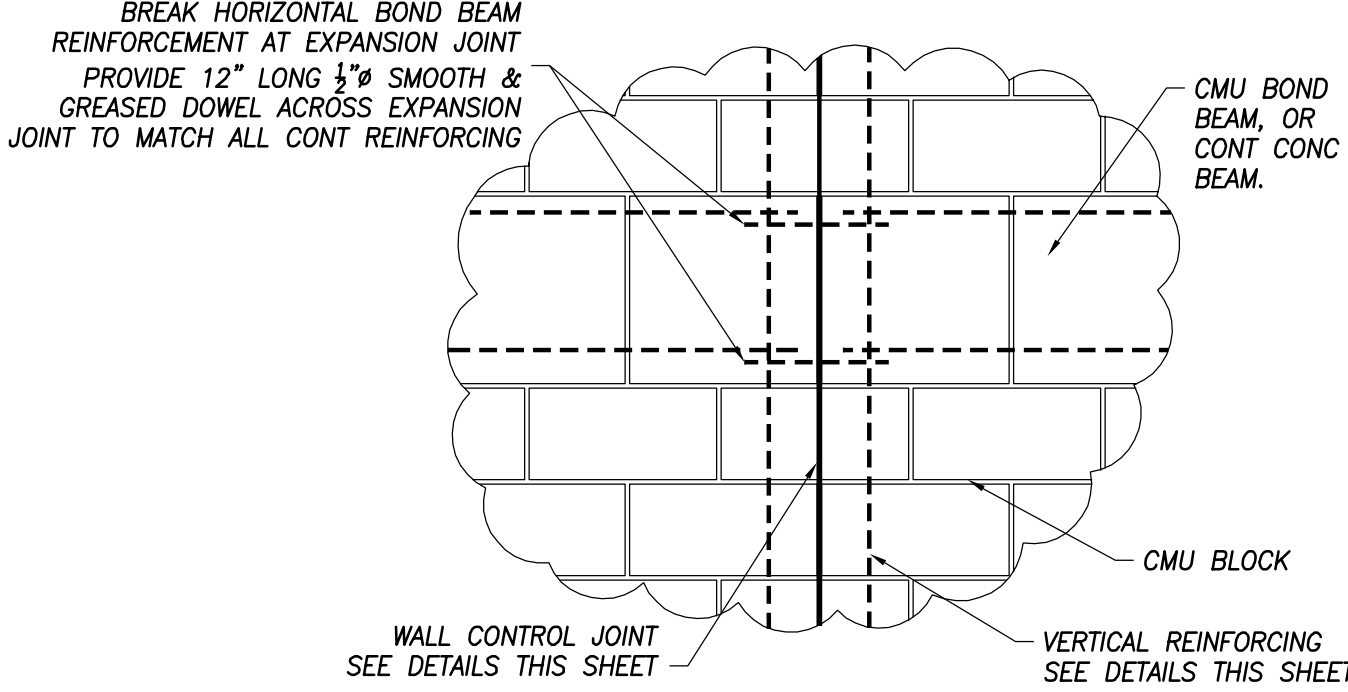
TYPICAL REINFORCED PILASTER DETAIL

3/4" = 1'-0"



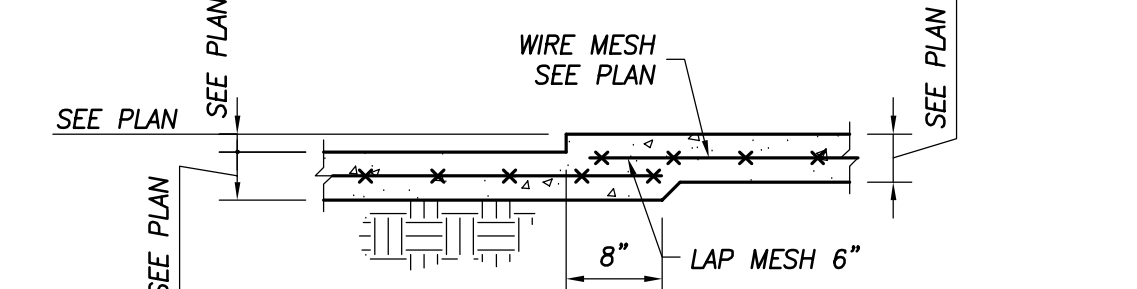
TYP MASONRY CONTROL JOINT DETAILS

3/4" = 1'-0"



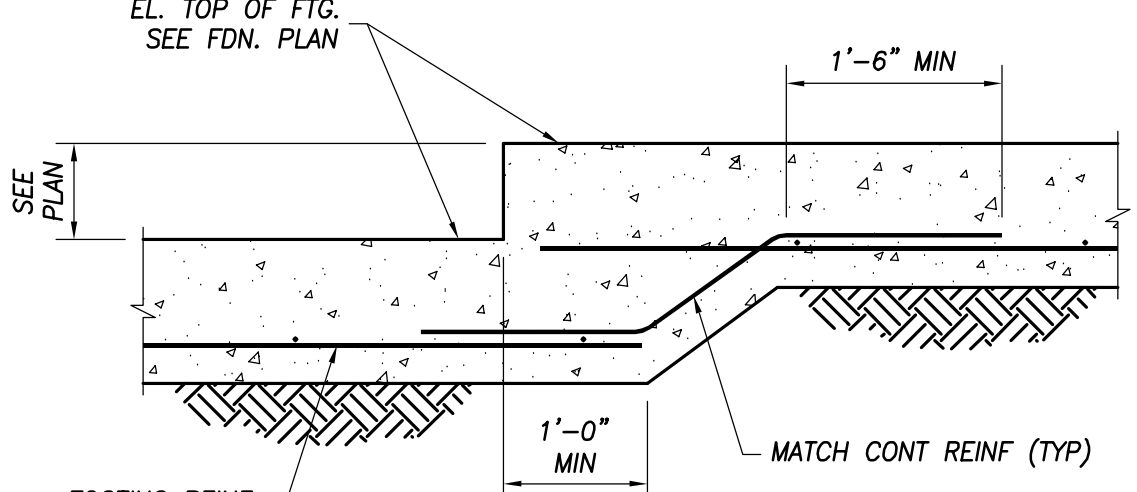
TYP MASONRY EXPANSION JOINT DETAILS

3/4" = 1'-0"



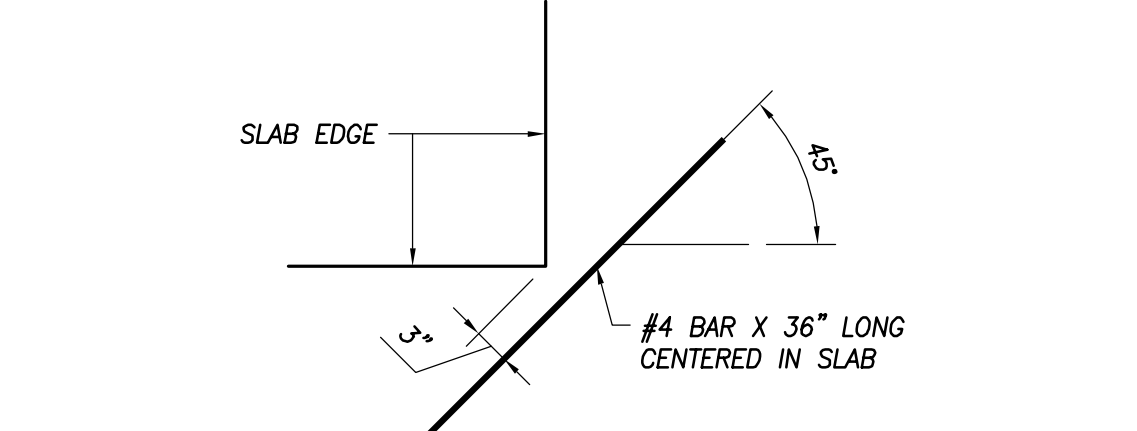
TYPICAL SLAB RECESS DETAILS

3/4" = 1'-0"



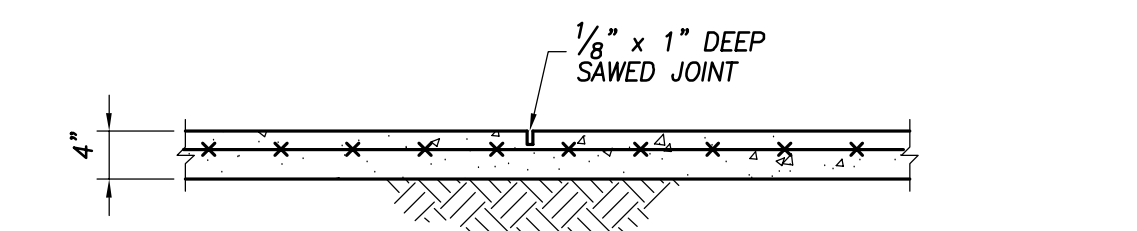
TYPICAL STEP FOOTING DETAIL

3/4" = 1'-0"



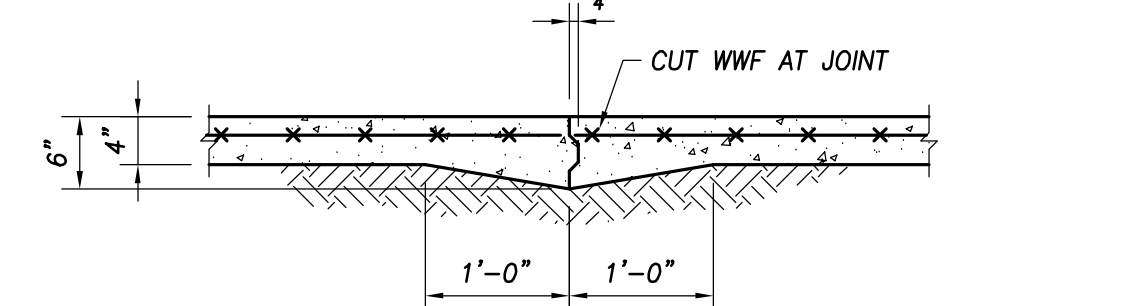
TYPICAL SLAB RE-ENTRANT CORNER REINFORCING DETAIL

3/4" = 1'-0"



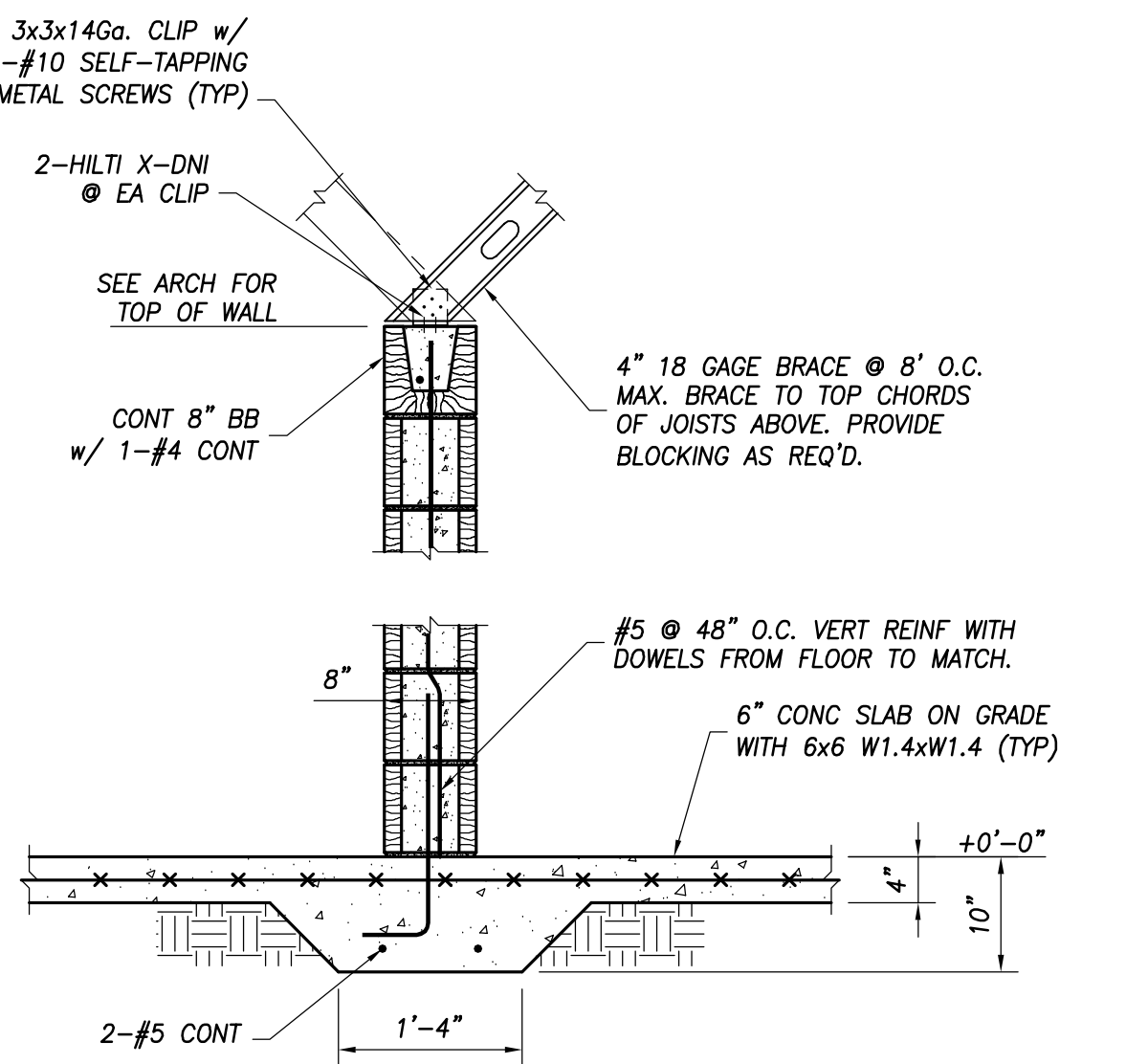
TYPICAL CONTROL JOINT DETAILS

3/4" = 1'-0"



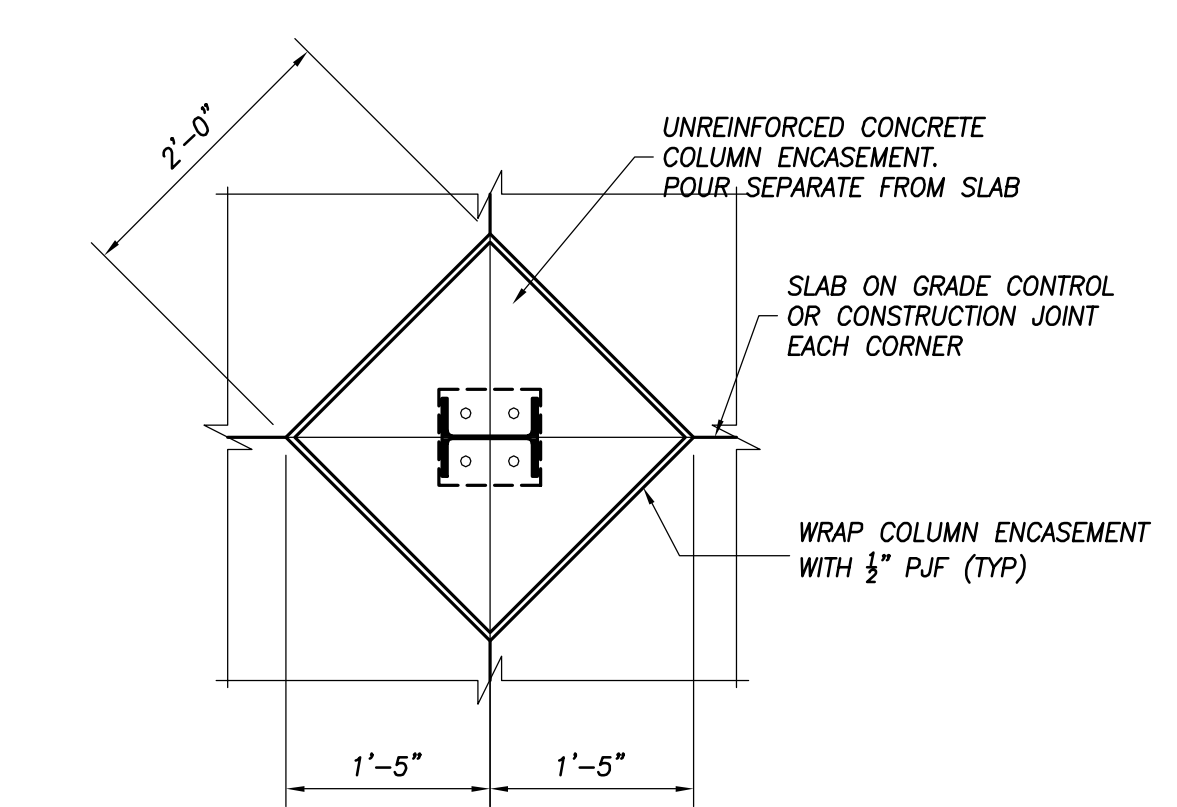
TYPICAL CONSTRUCTION JOINT DETAIL

3/4" = 1'-0"



TYPICAL CMU PARTITION DETAILS

3/4" = 1'-0"



TYPICAL COLUMN ISOLATION JOINT DETAIL

3/4" = 1'-0"

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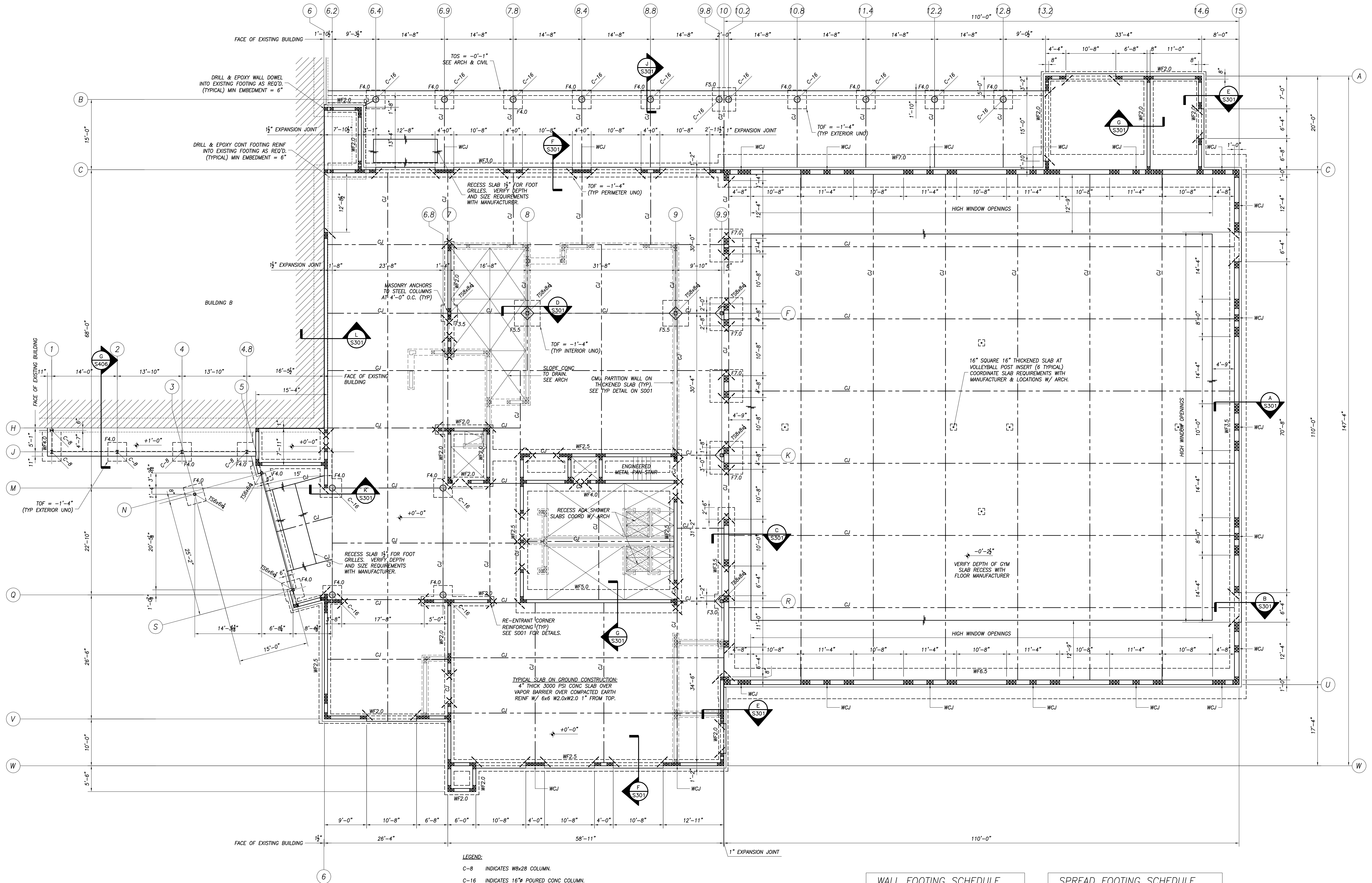
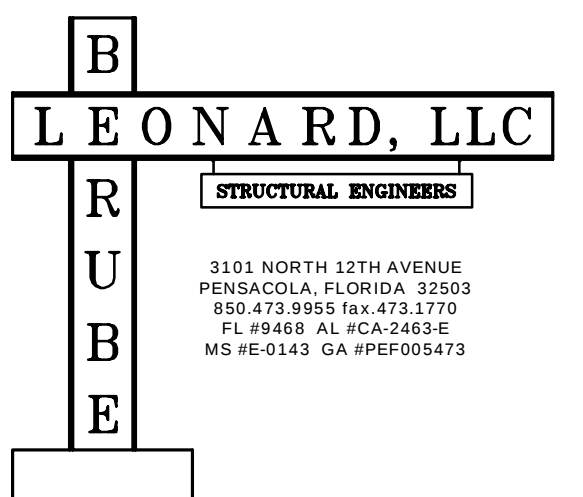
PROJECT:
Gulf Breeze Community Center
800 Shoreline Drive
Gulf Breeze, FL 32561

SHEET TITLE:
Building "A" Foundation Plan

PROJECT NO: 2413
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SHEET

S101



LEGEND:

- C-8 INDICATES 16"x8" CONC COLUMN.
C-16 INDICATES 16"x16" POURED CONC COLUMN.
SEE J/S301 FOR DETAILS.
CJ INDICATES CONTROL OR CONSTRUCTION JOINT.
SEE S001 FOR TYPICAL DETAILS.
WCJ INDICATES WALL CONTROL JOINT.
SEE S001 FOR TYPICAL DETAILS.

SLAB NOTE:

PARTS OF THE SLAB ON GRADE IS TO HAVE AN EXPOSED FINISH.
SEE ARCH FOR AREAS. CONTRACTOR SHALL APPLY EVAPORATION
RETARDER TO SLAB AFTER PLACEMENT AND BEFORE FINISHING AS
DESCRIBED IN THE PROJECT SPECS. CONTRACTOR SHALL ALSO
EXERCISE CARE DURING PLACEMENT, CURING, AND JOINTING THE
SLAB TO MINIMIZE CRACKING. PROTECT SLABS FROM DAMAGE
DURING THE REMAINDER OF CONSTRUCTION AFTER SLAB PLACEMENT.

BUILDING A
FOUNDATION PLAN
1/8" = 1'-0"

MARK	WIDTH	REINFORCING	
		CONT	TRANS
WF2.0	2'-0"	3-#5	#5 AT 16" O.C.
WF3.0	3'-0"	4-#5	#5 AT 16" O.C.
WF3.5	3'-6"	4-#5	#5 AT 16" O.C.
WF4.0	4'-0"	5-#5	#5 AT 16" O.C.
WF5.0	5'-0"	6-#5	#5 AT 16" O.C.
WF6.5	6'-6"	7-#5	#5 AT 16" O.C.
WF7.0	7'-0"	8-#5	#5 AT 16" O.C.

MARK	SIZE (LxWxD)	REINFORCING
F3.0	3'-0"x3'-0"x12"	4-#5 E.W. BOT
F3.5	3'-6"x3'-6"x12"	4-#5 E.W. BOT
F4.0	4'-0"x4'-0"x12"	5-#5 E.W. BOT
F5.0	5'-0"x5'-0"x12"	6-#5 E.W. BOT
F5.5	5'-6"x5'-6"x12"	6-#5 E.W. BOT
F7.0	7'-0"x7'-0"x12"	8-#5 E.W. BOT

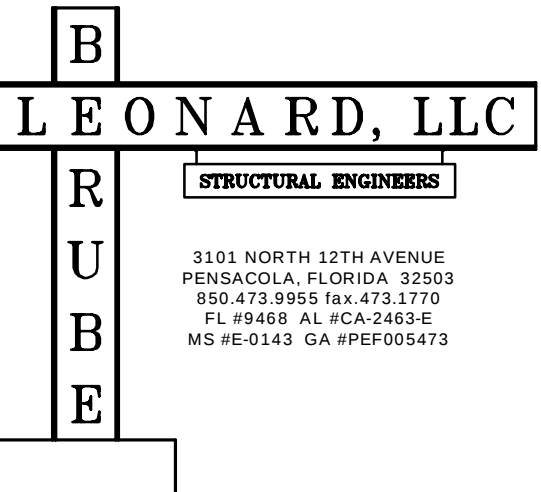


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Building "A" Entry Canopy, Mezzanine, & Covered Porch Root Root Framing Plans

PROJECT NO: 2413
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PROJECT:
Gulf Breeze Community Center

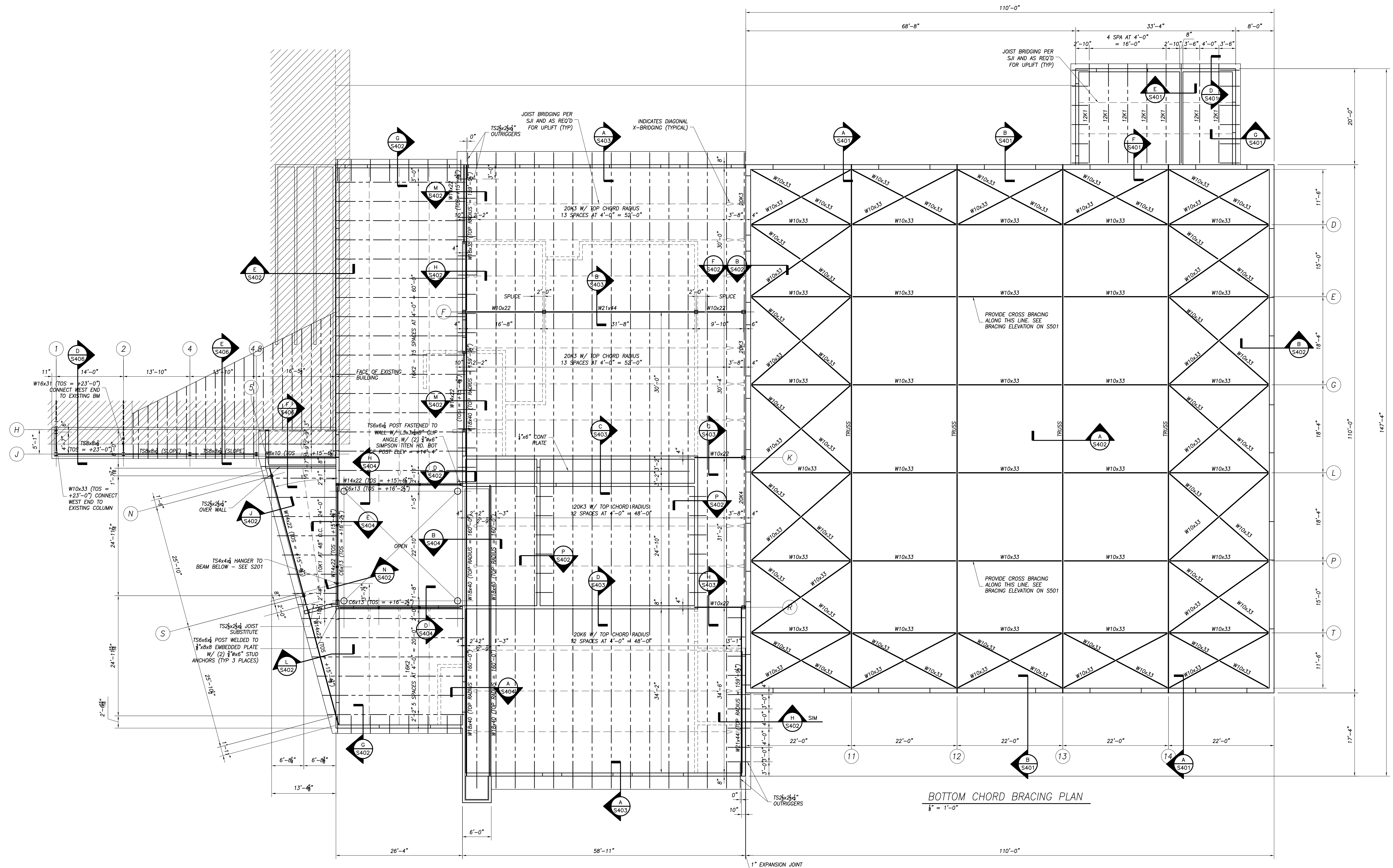
800 Shoreline Drive
Gulf Breeze, FL 32561

SHEET TITLE:
Building "A" Roof Framing & Bottom Chord Bracing Plans

PROJECT NO: 2413
FILE NO:
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S202





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PROJECT:
Gulf Breeze Community Center
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SHEET TITLE:
Building "A" High Lobby & Gym Roof Framing Plans

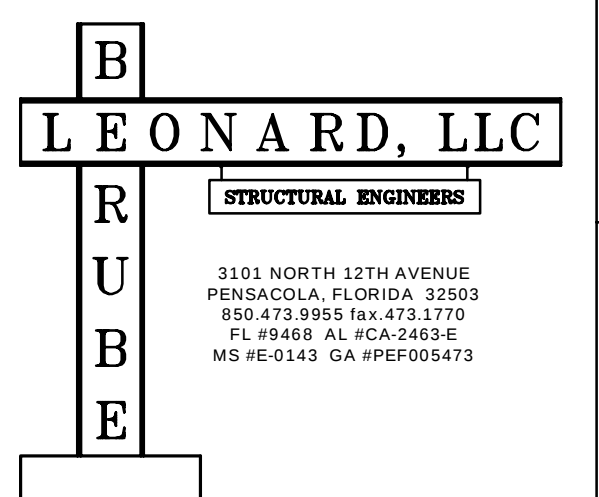
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FILE NO:
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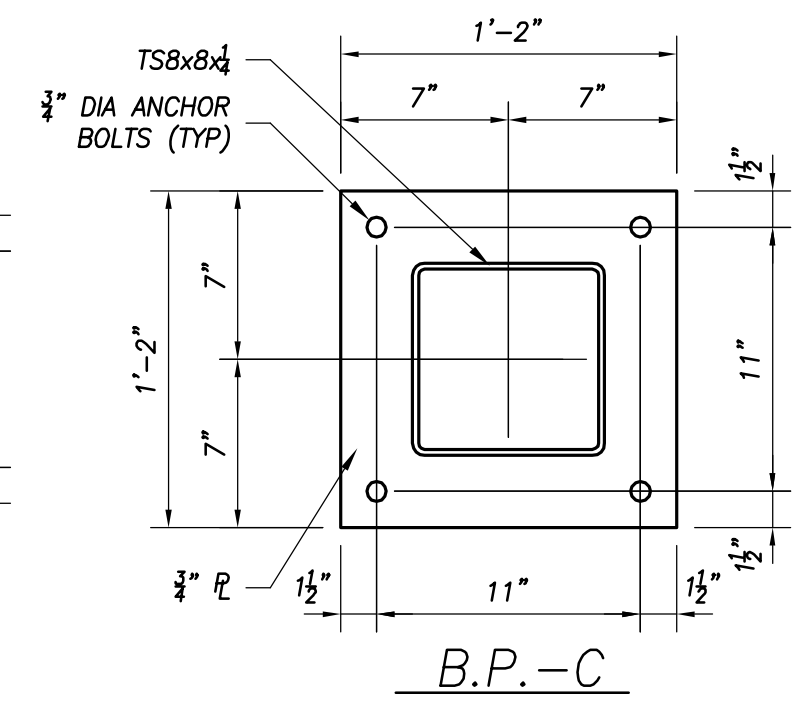
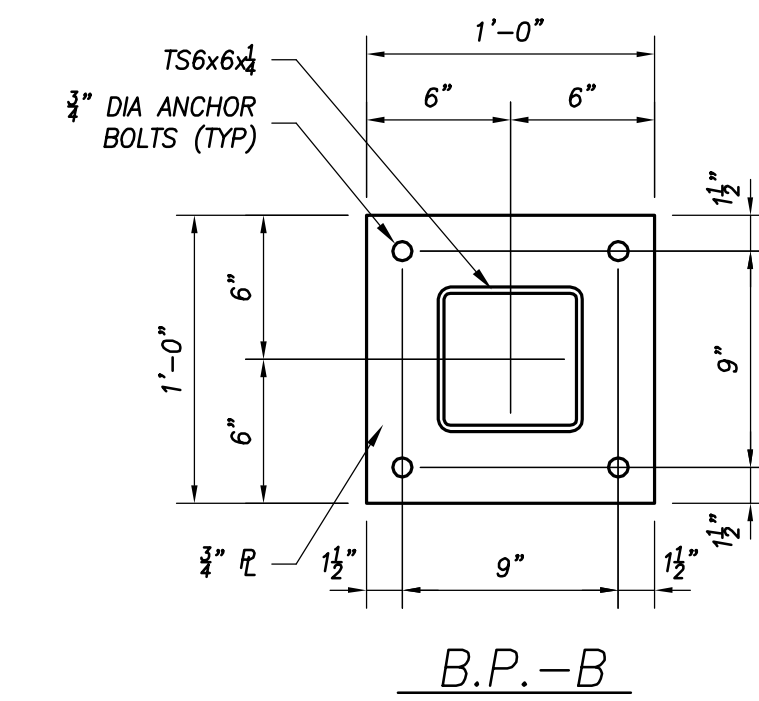
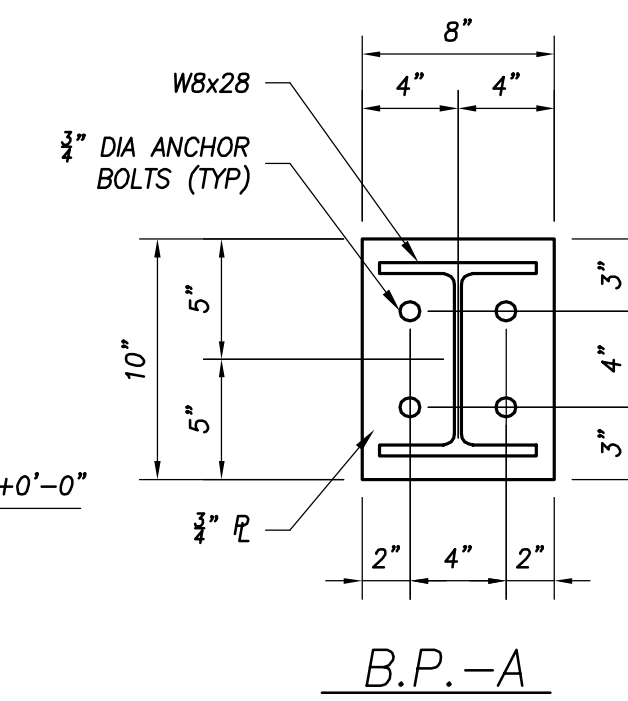
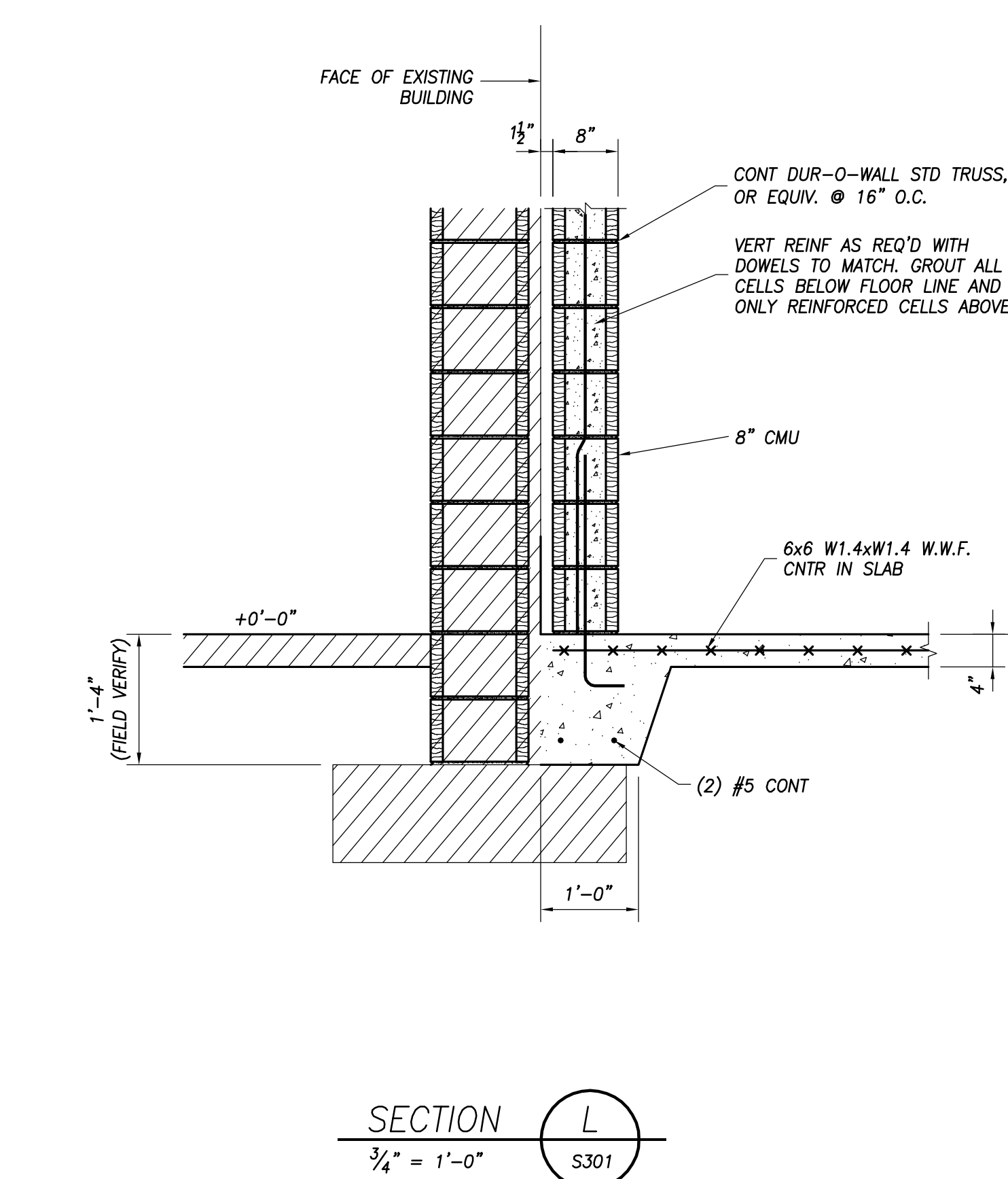
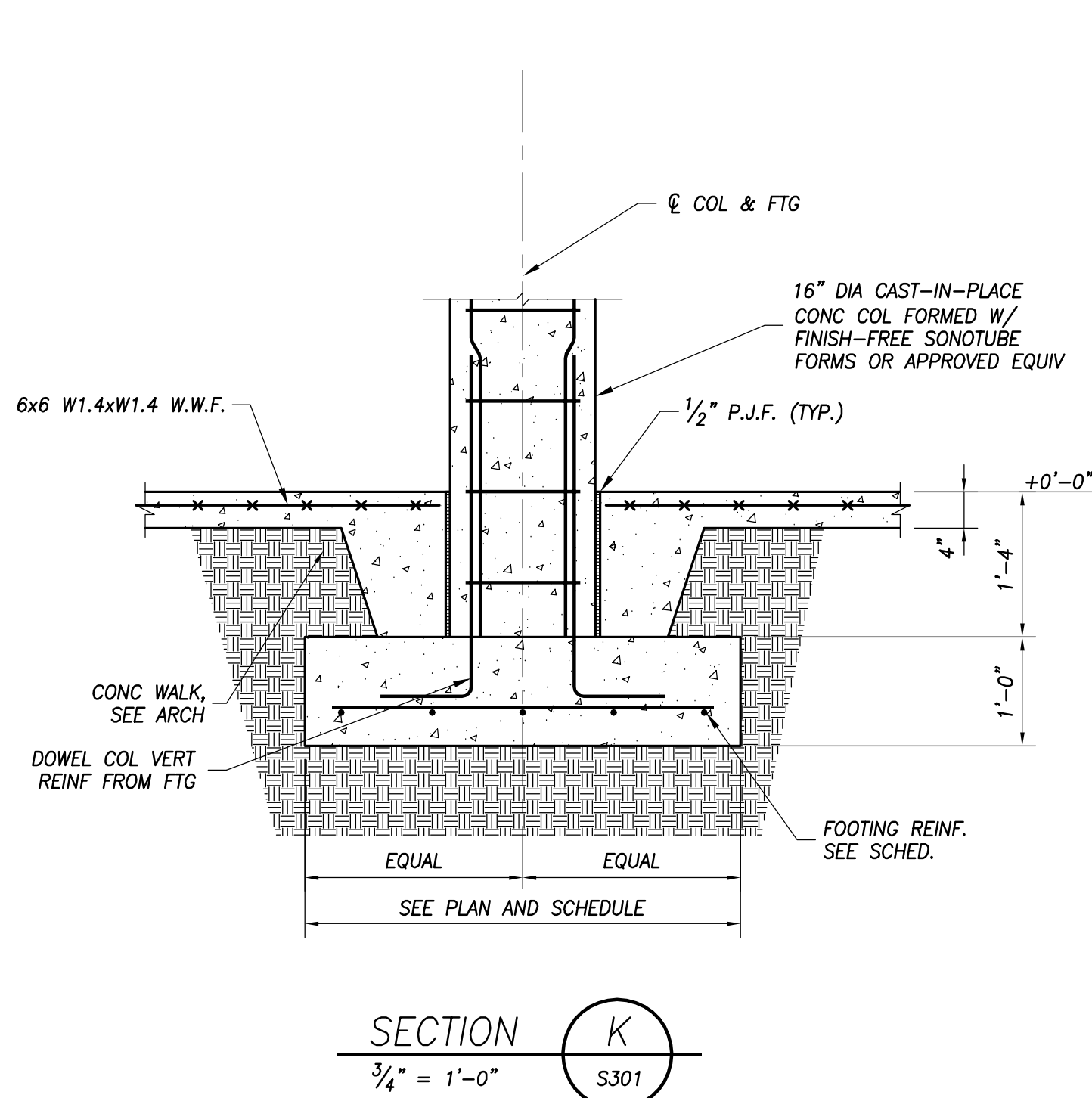
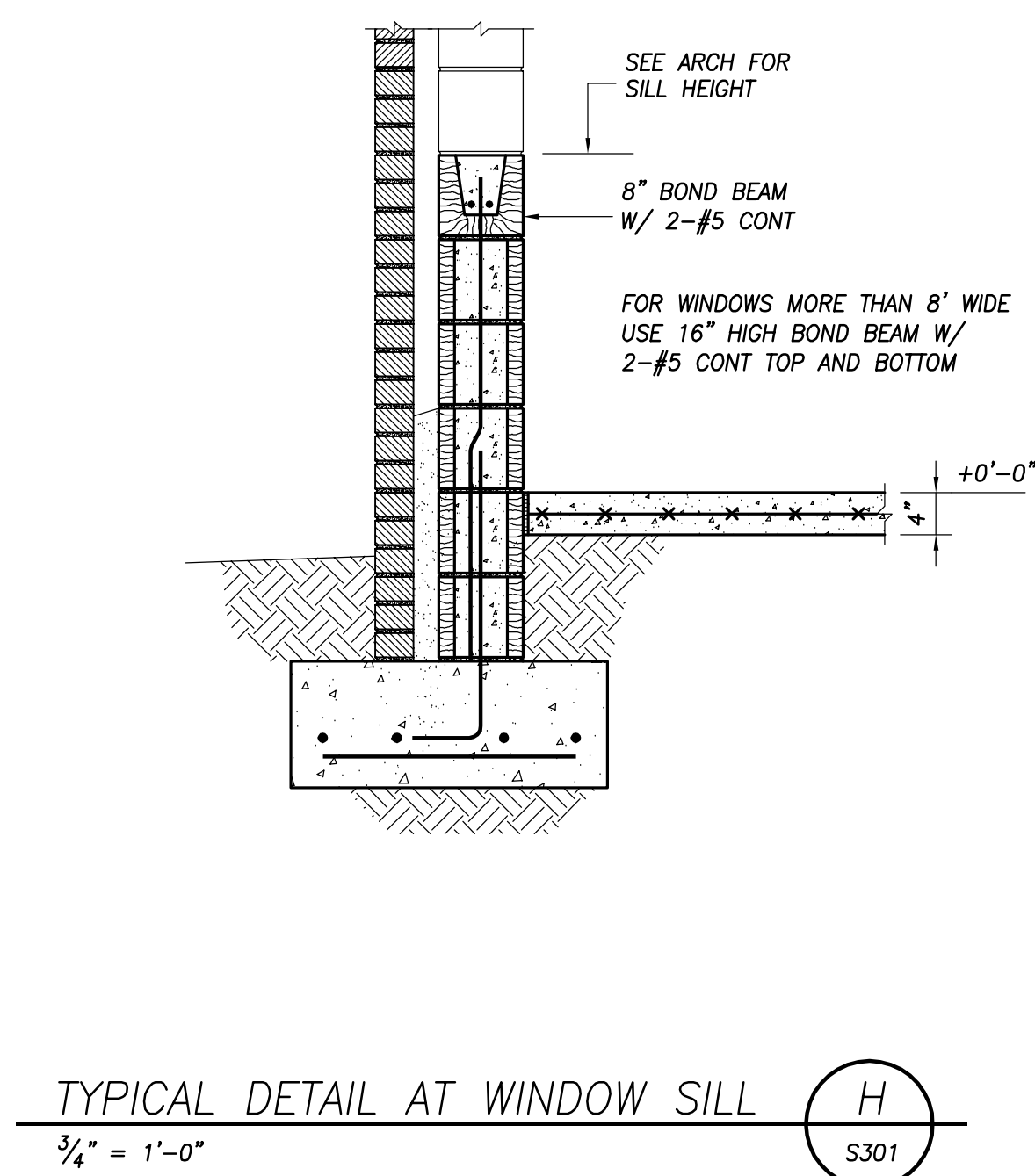
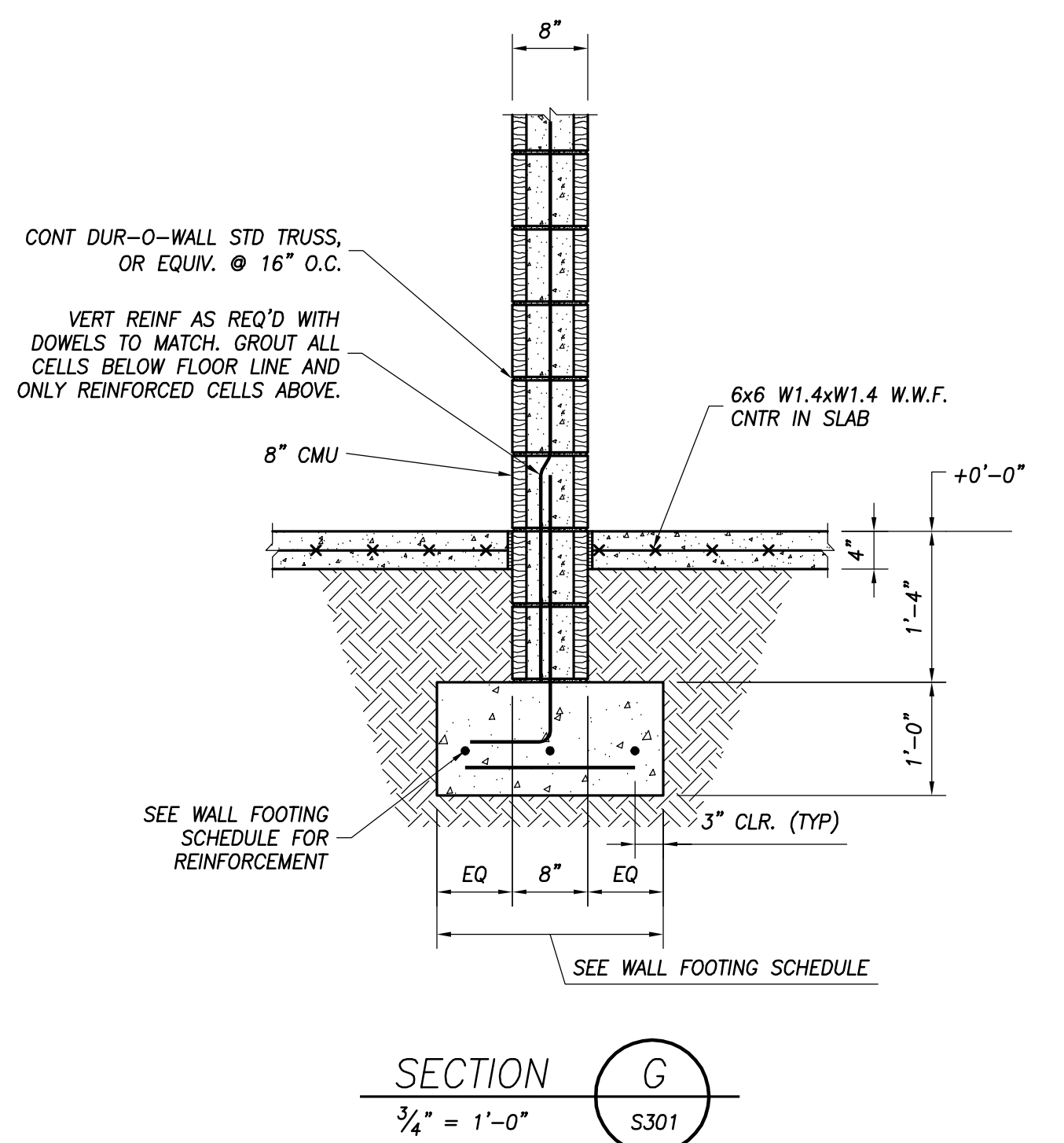
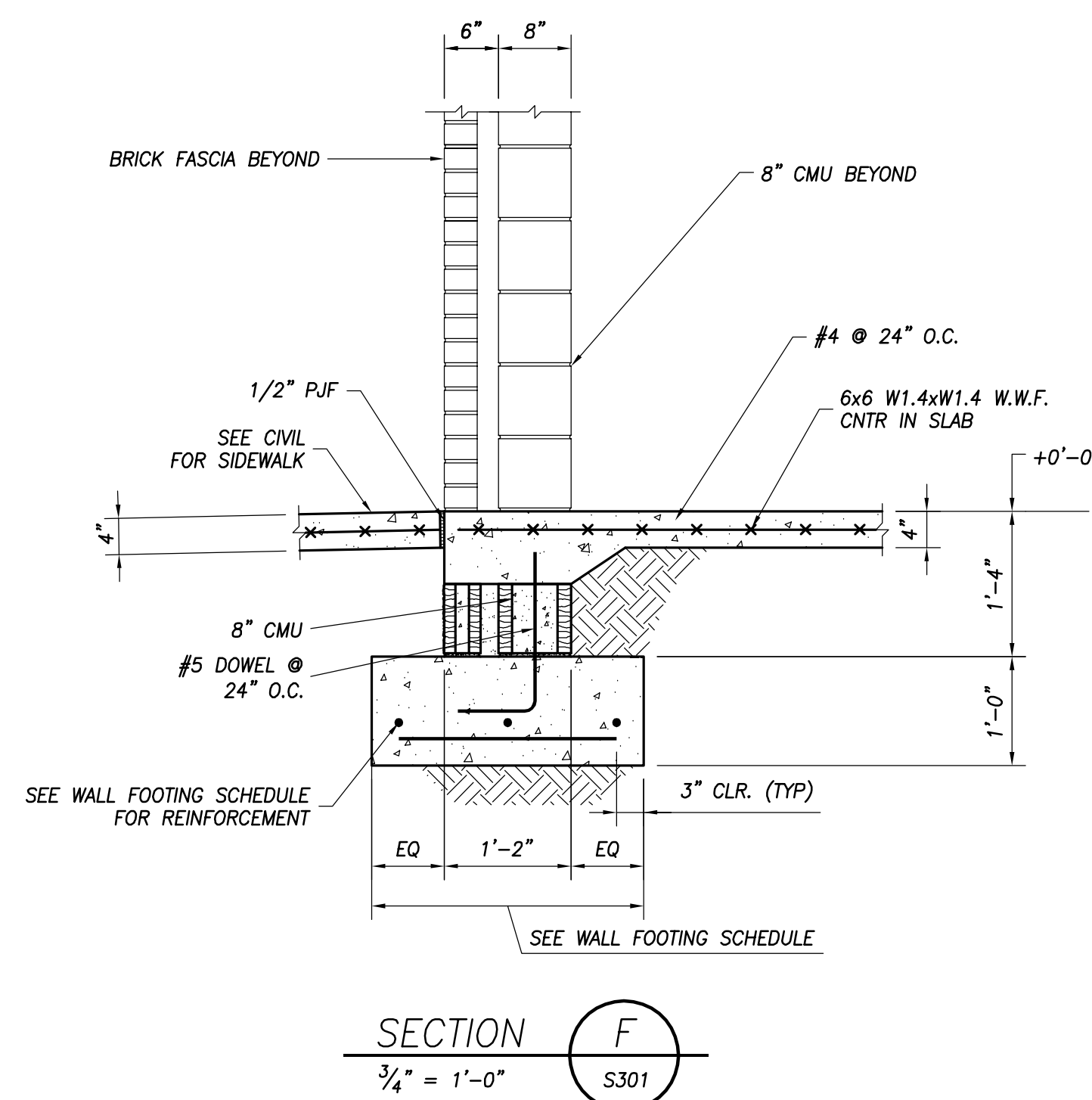
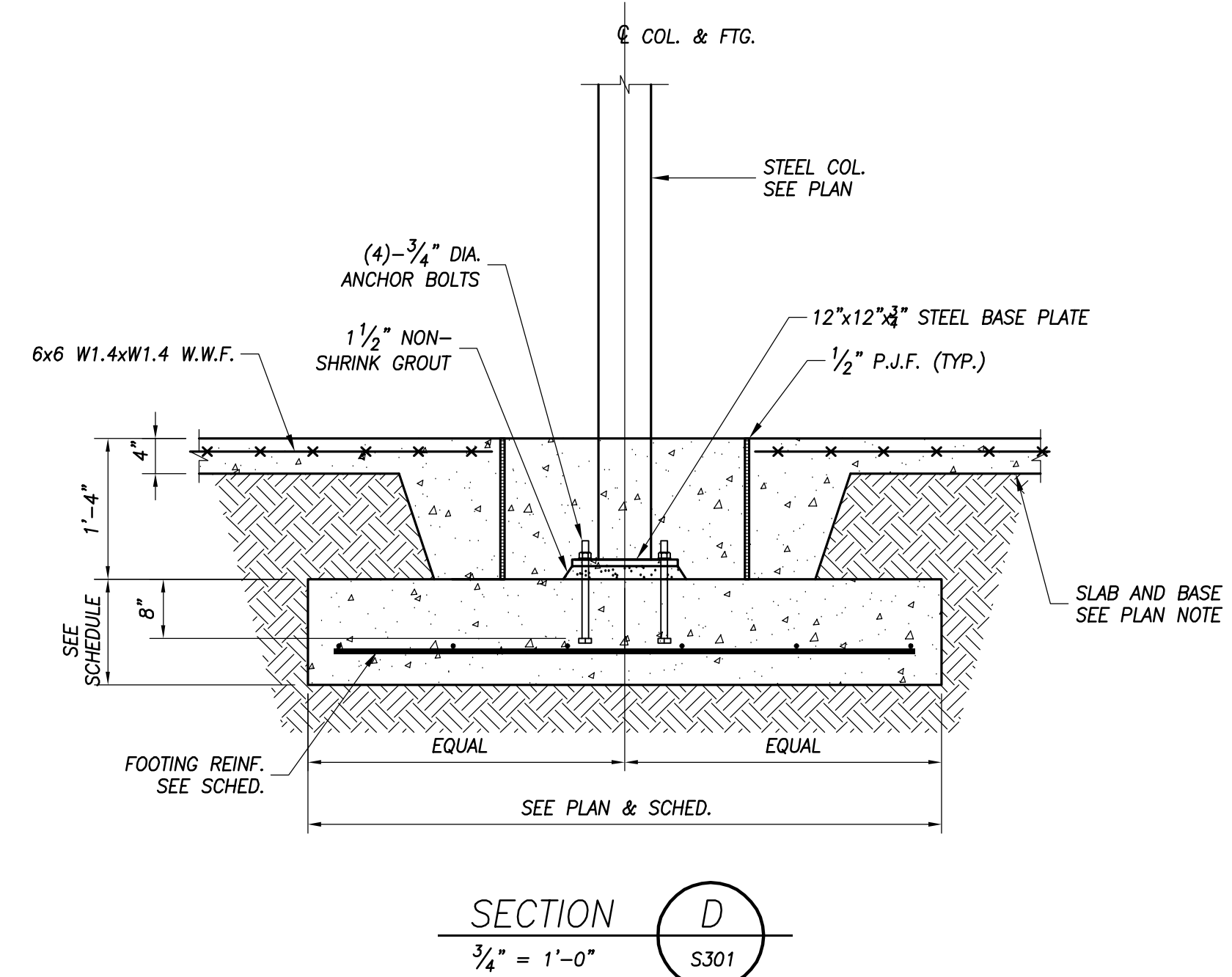
HEET

S203



NOTES:
SEE S501 FOR GYM TRUSS ELEVATION AND DETAILS





BASE PLATE (B.P.) DETAILS
1-1/2" = 1'-0"

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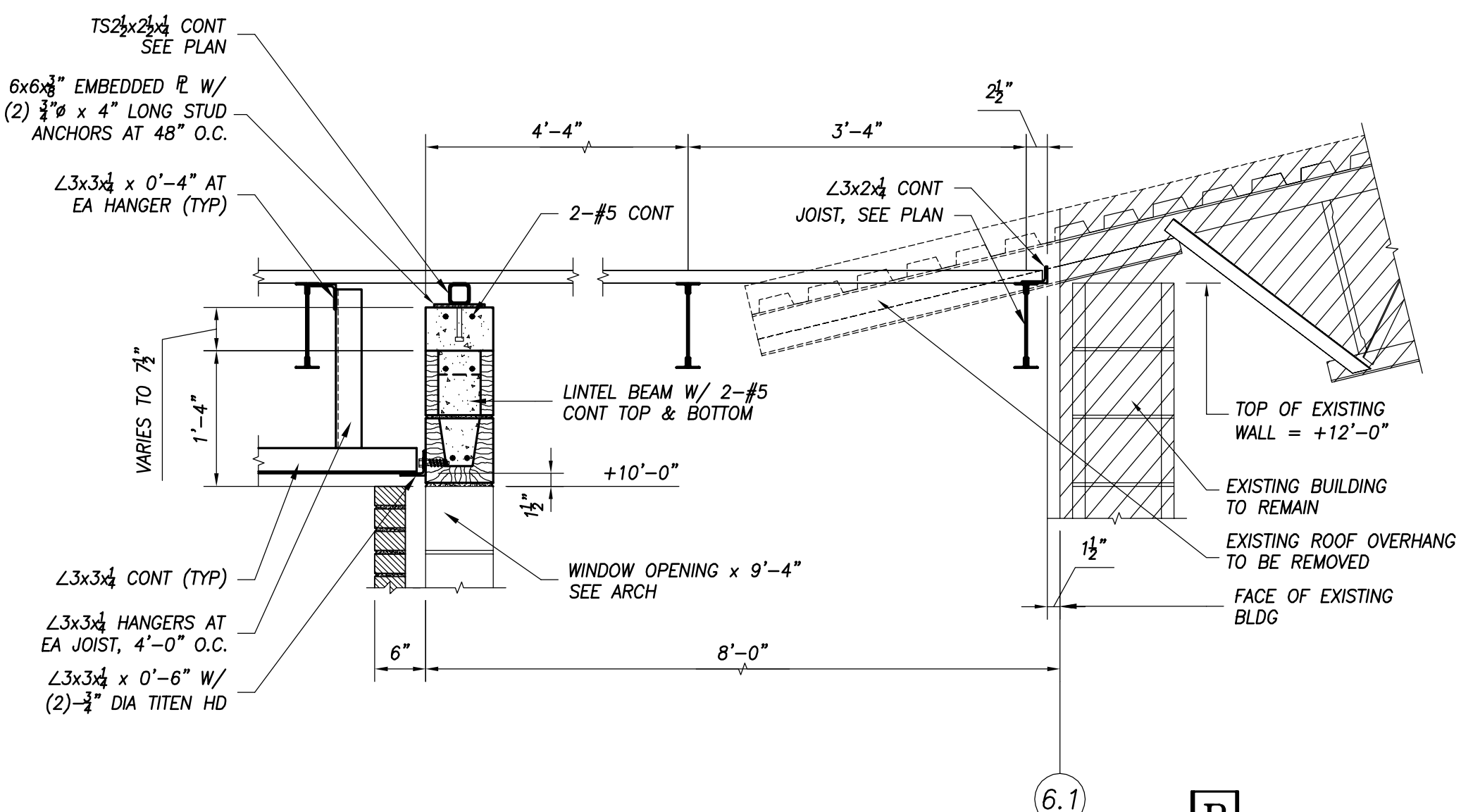
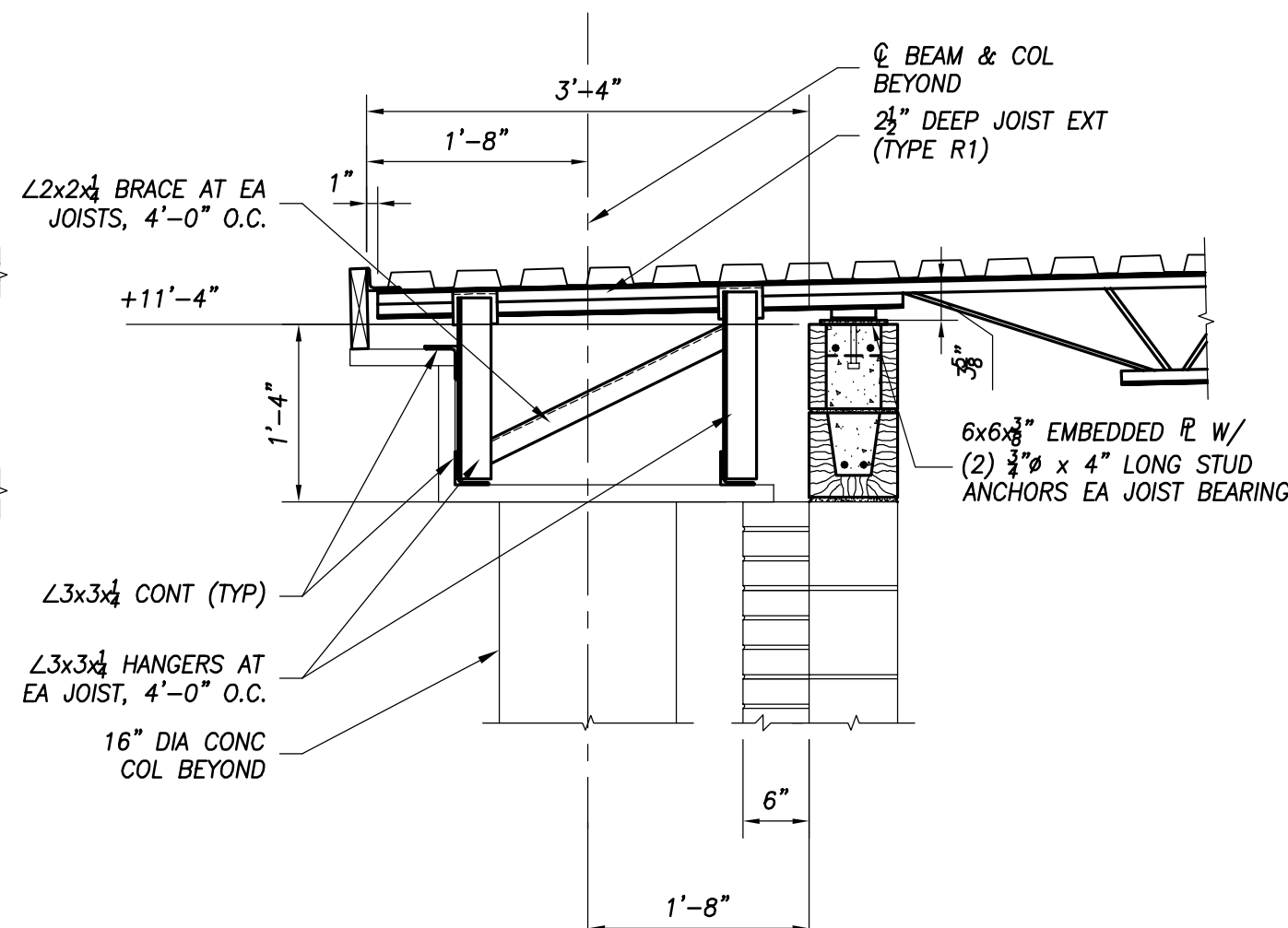
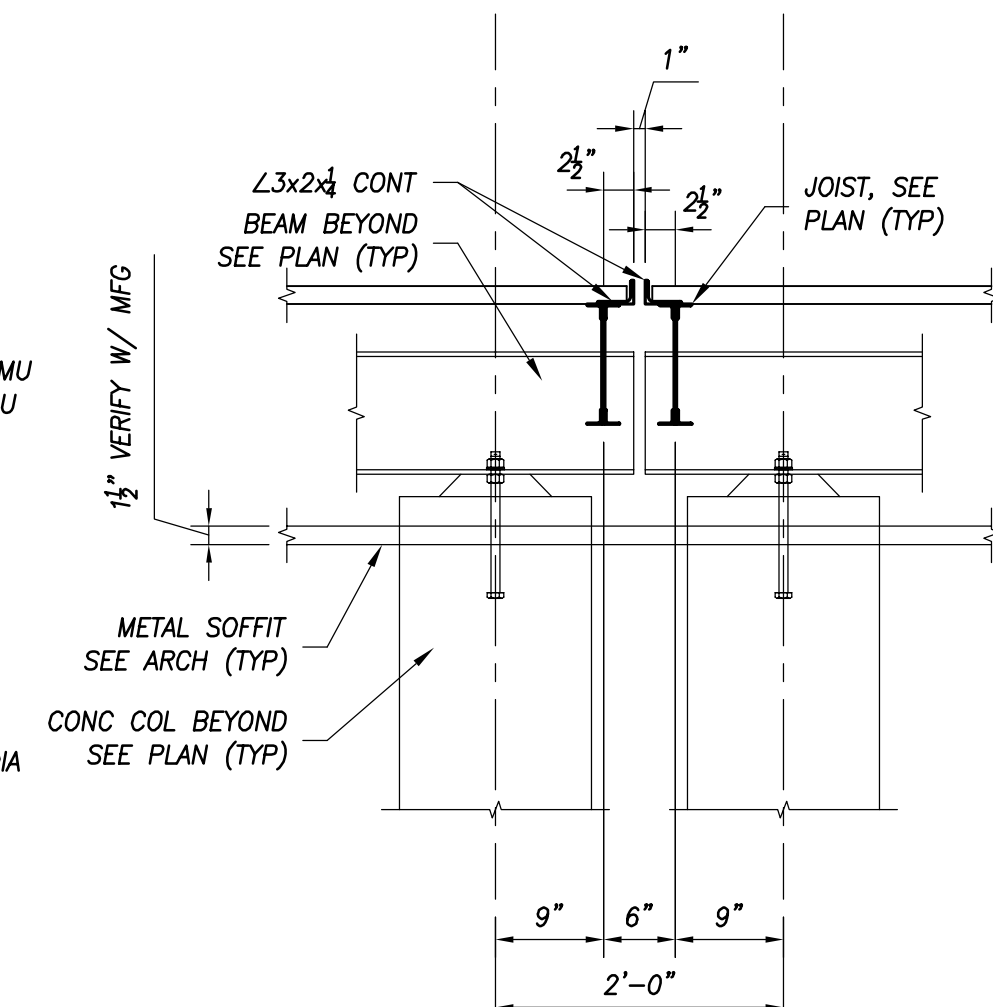
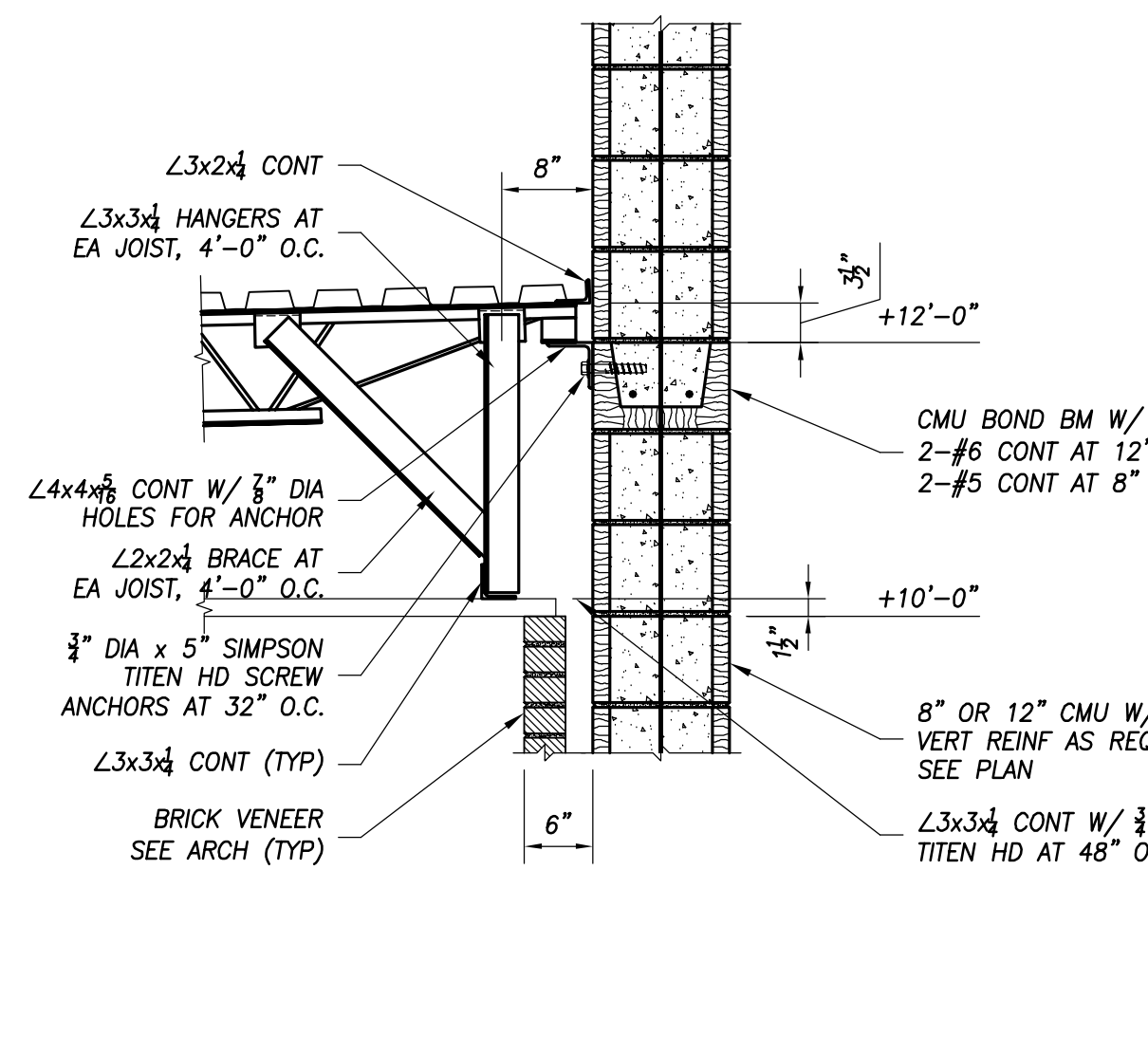
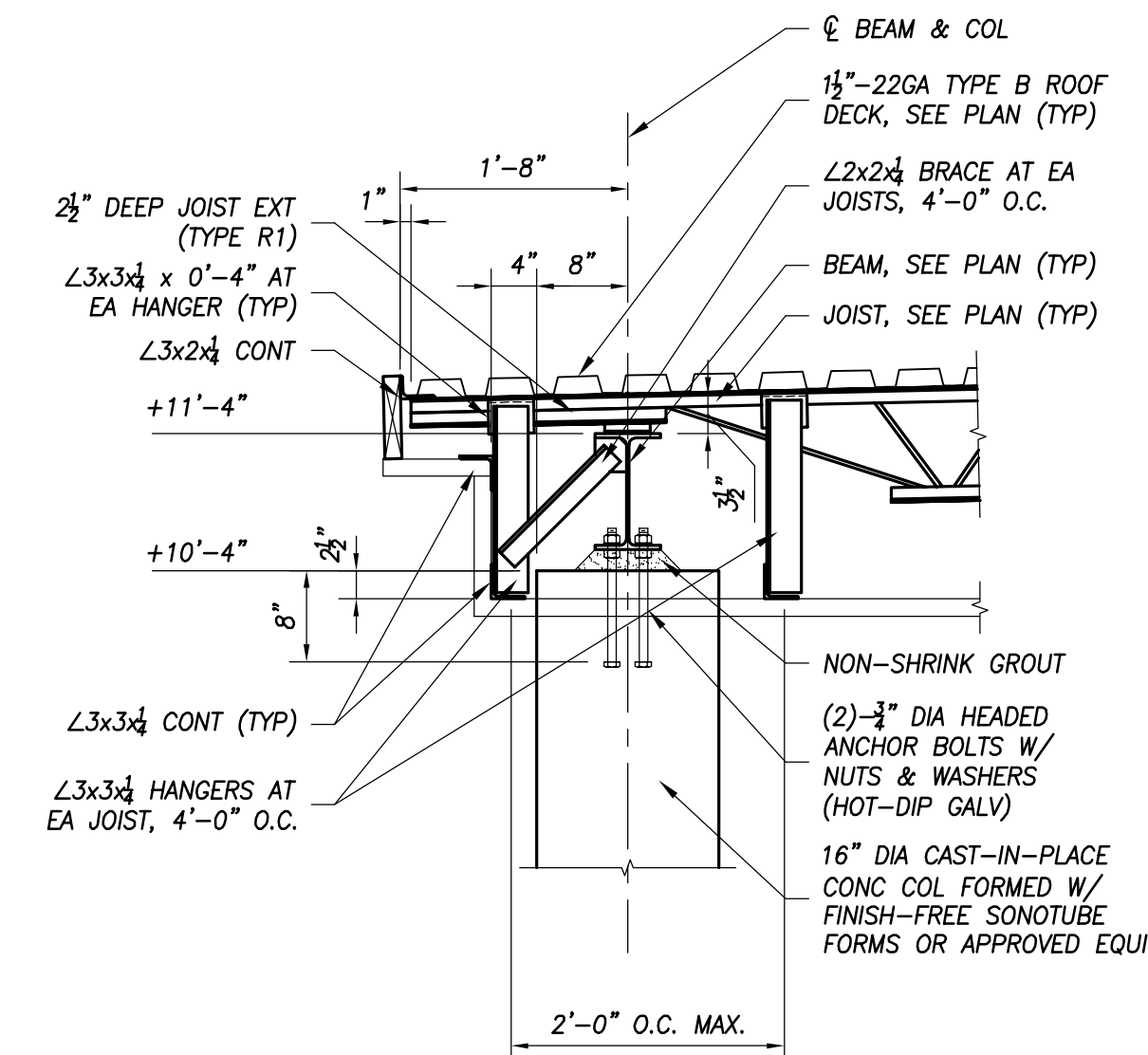
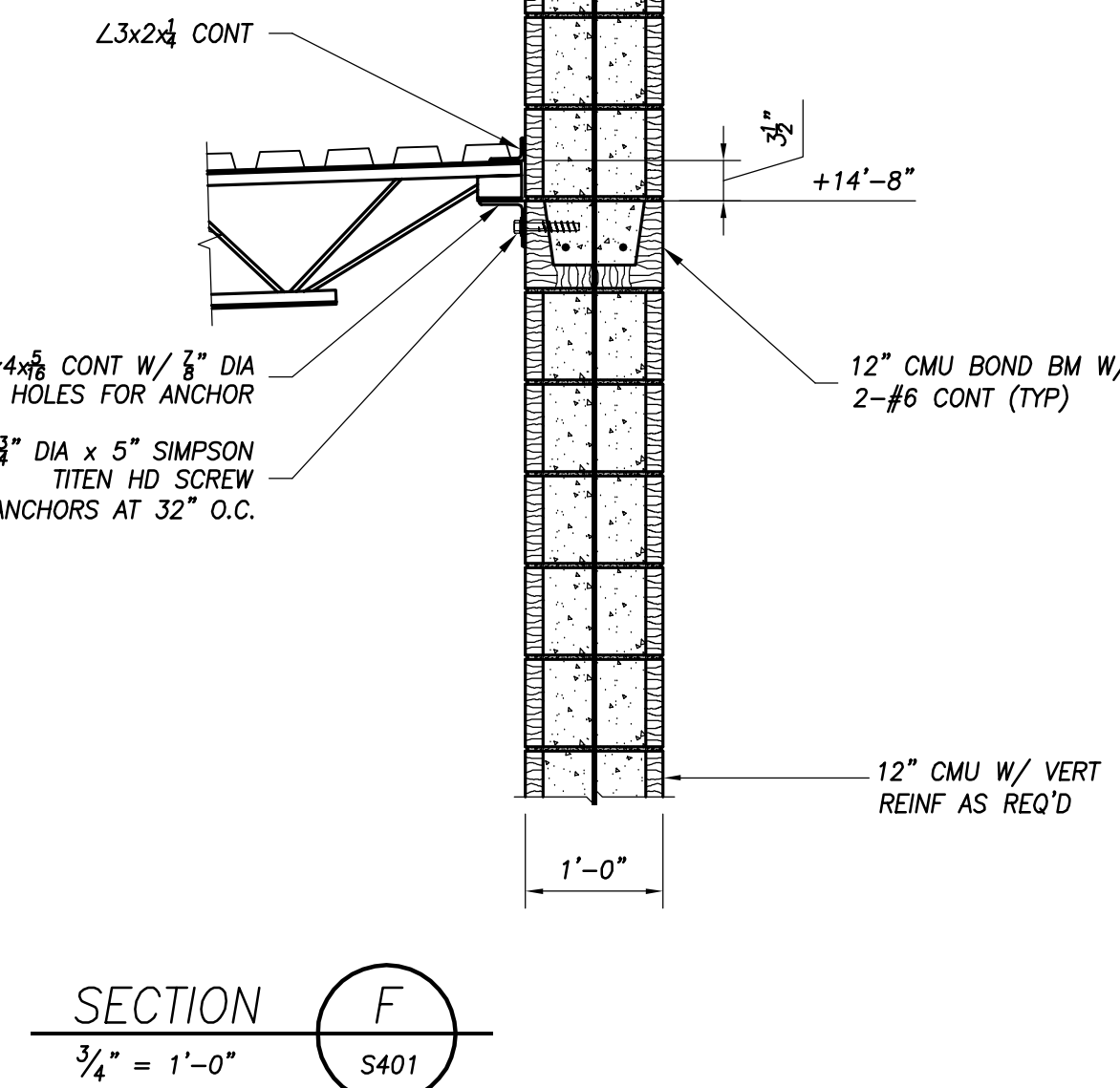
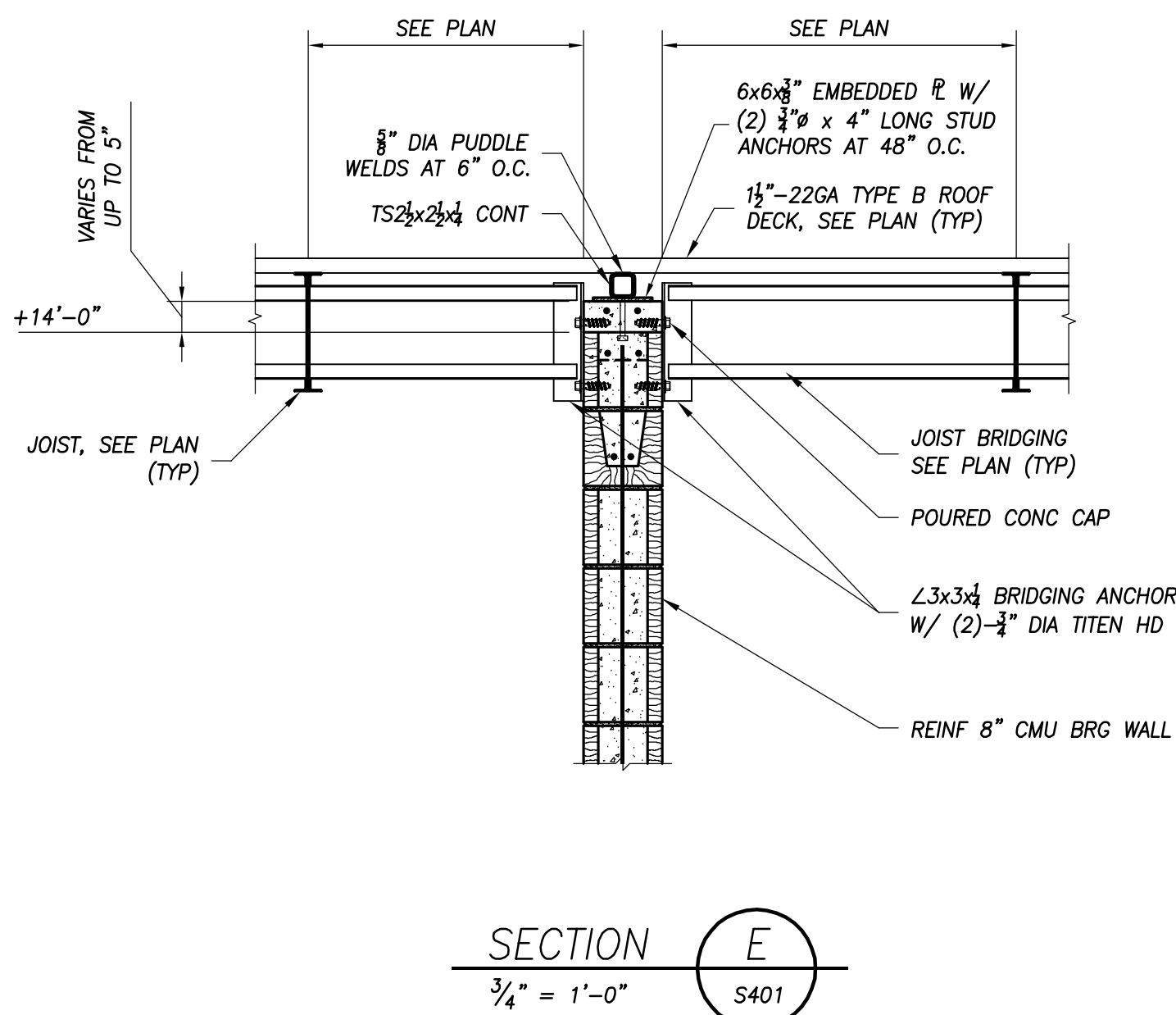
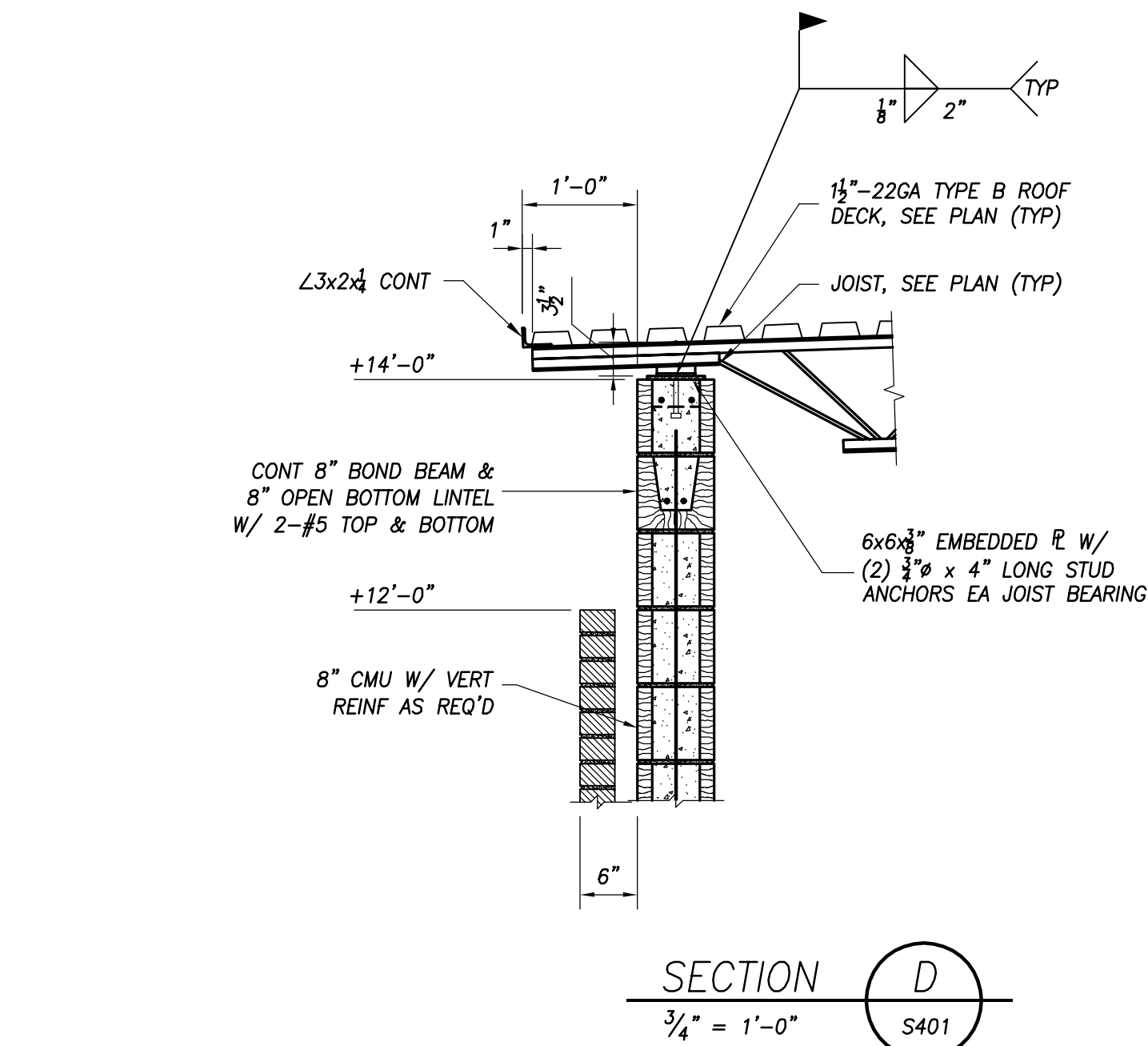
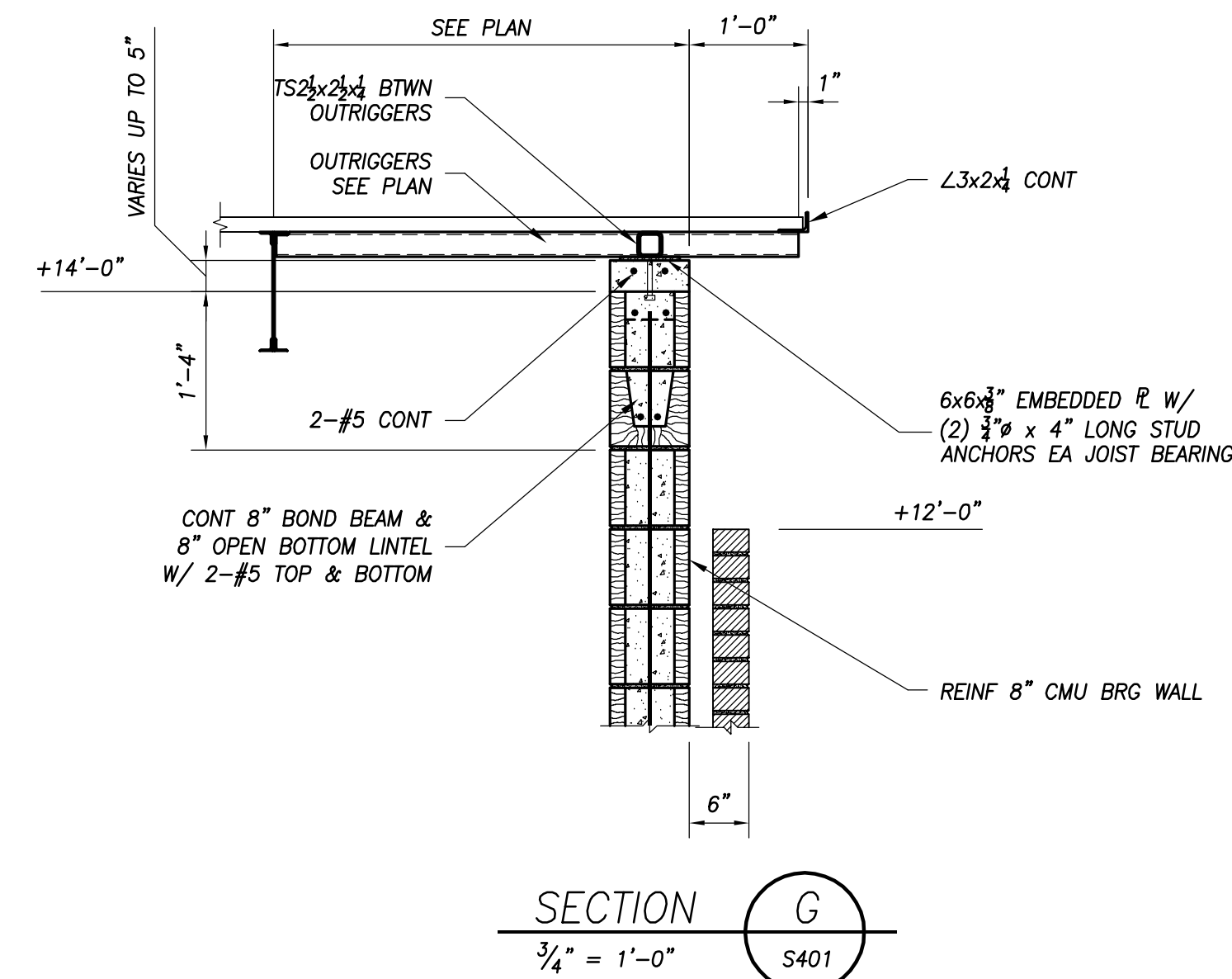
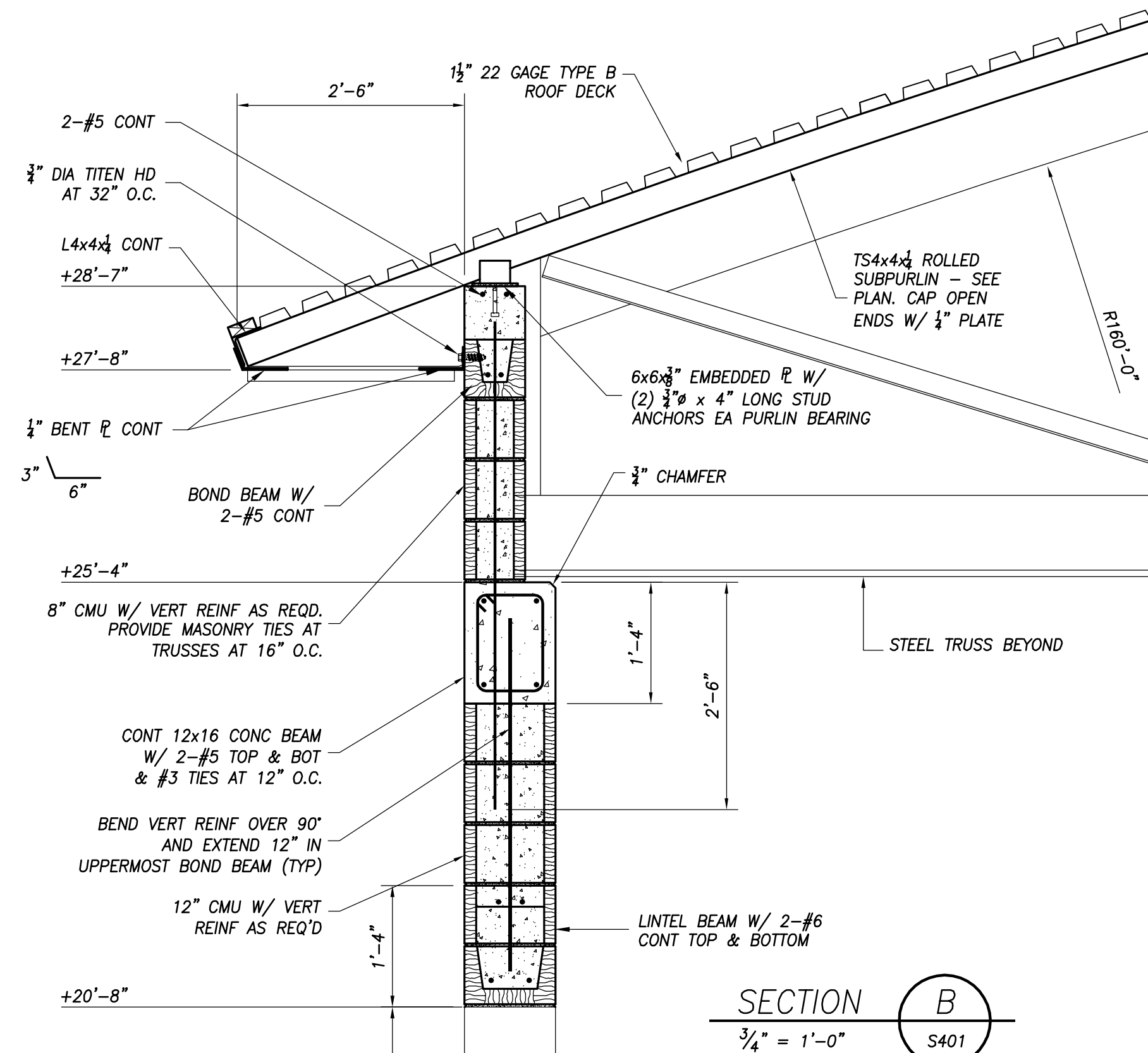
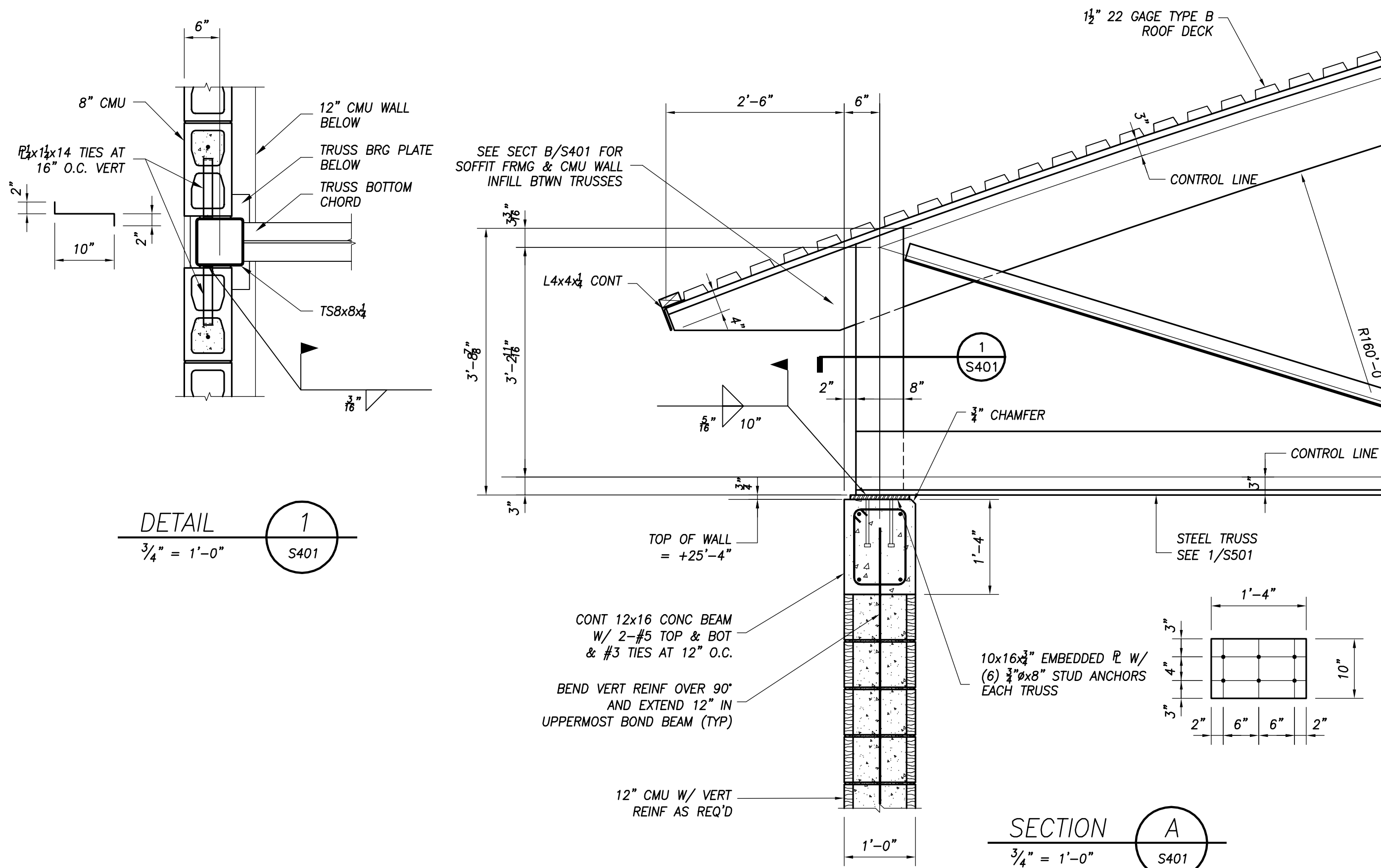
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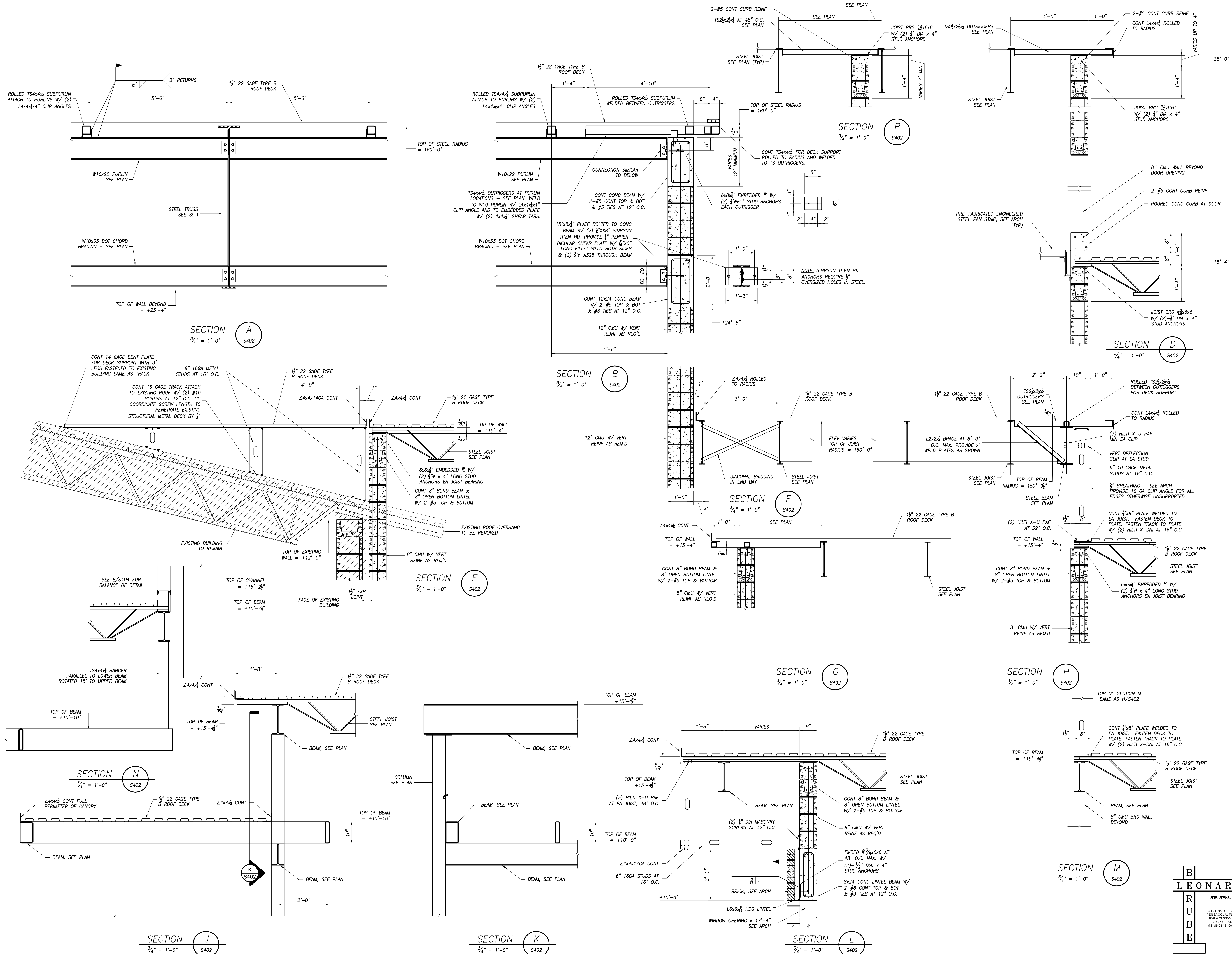
SHEET TITLE:
Sections & Details

PROJECT NO: 2413
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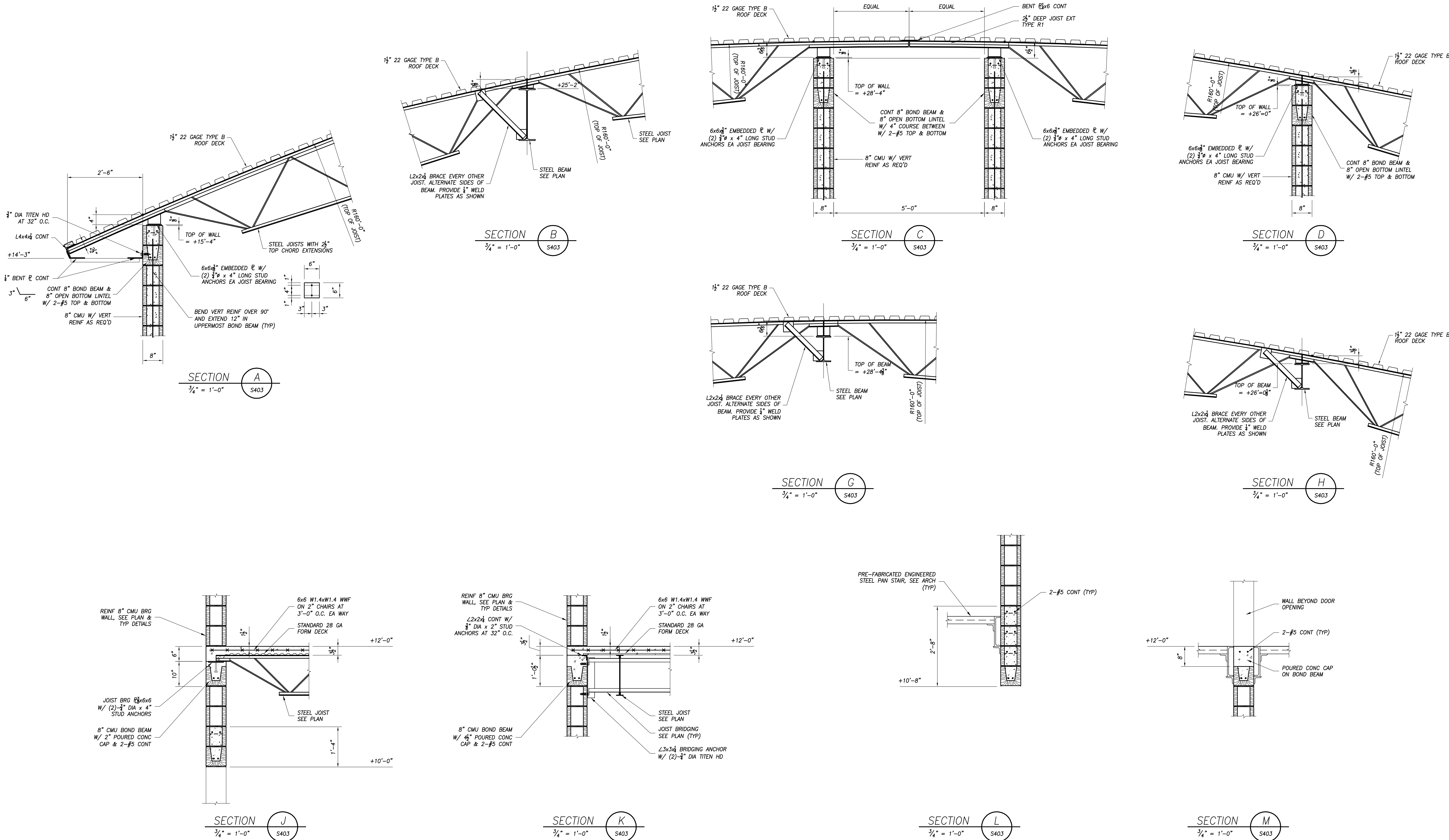
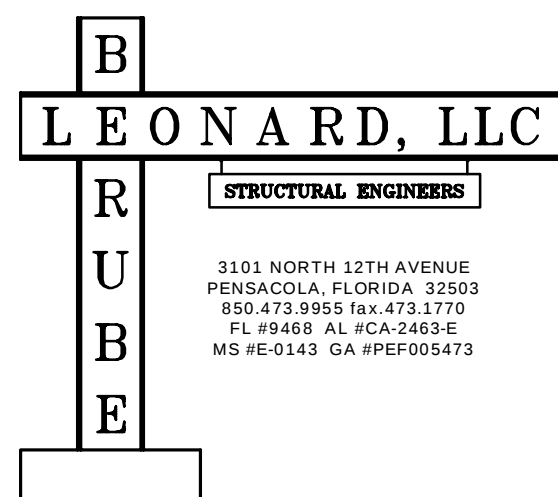
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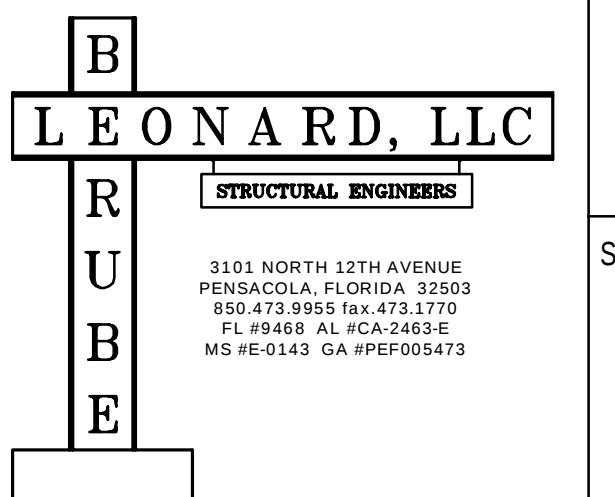
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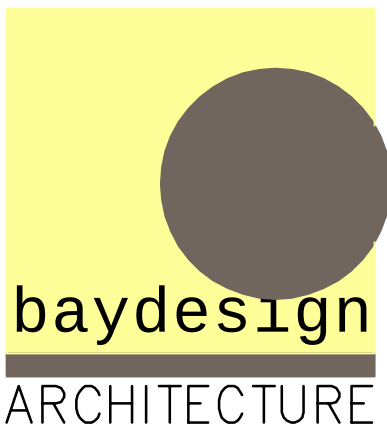
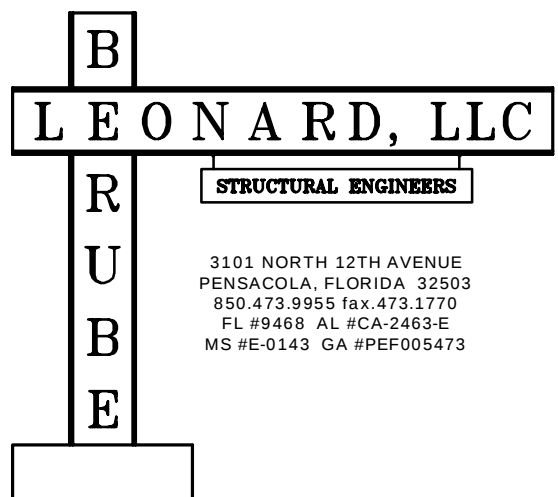
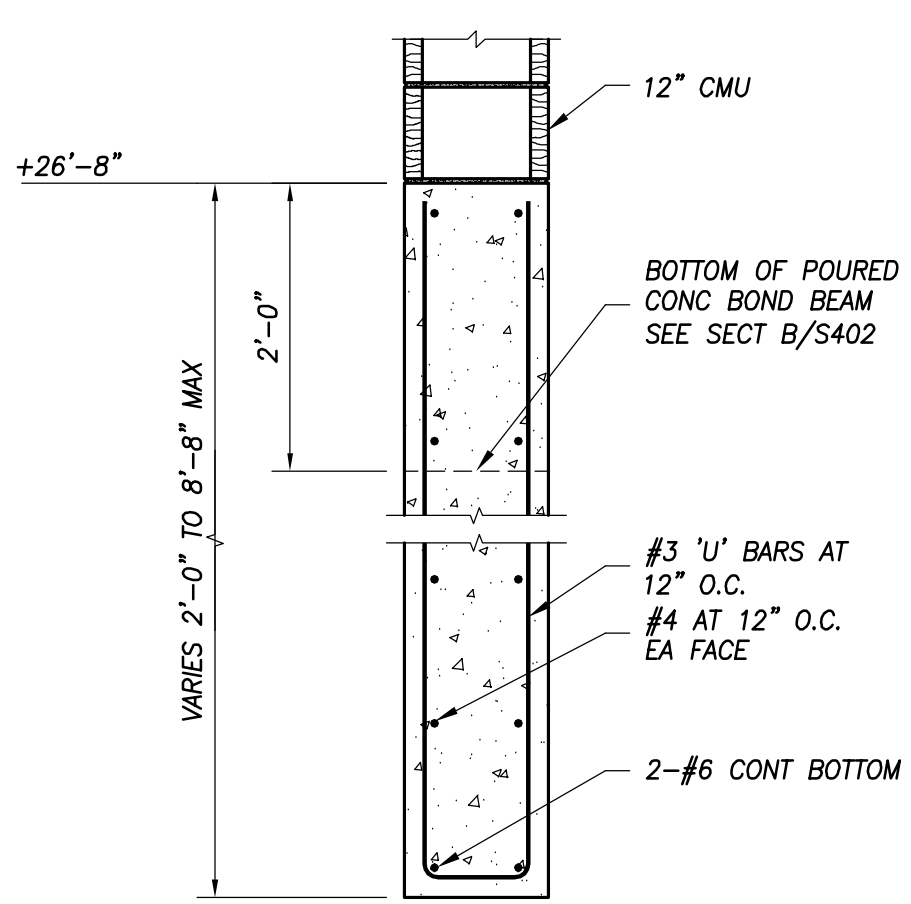
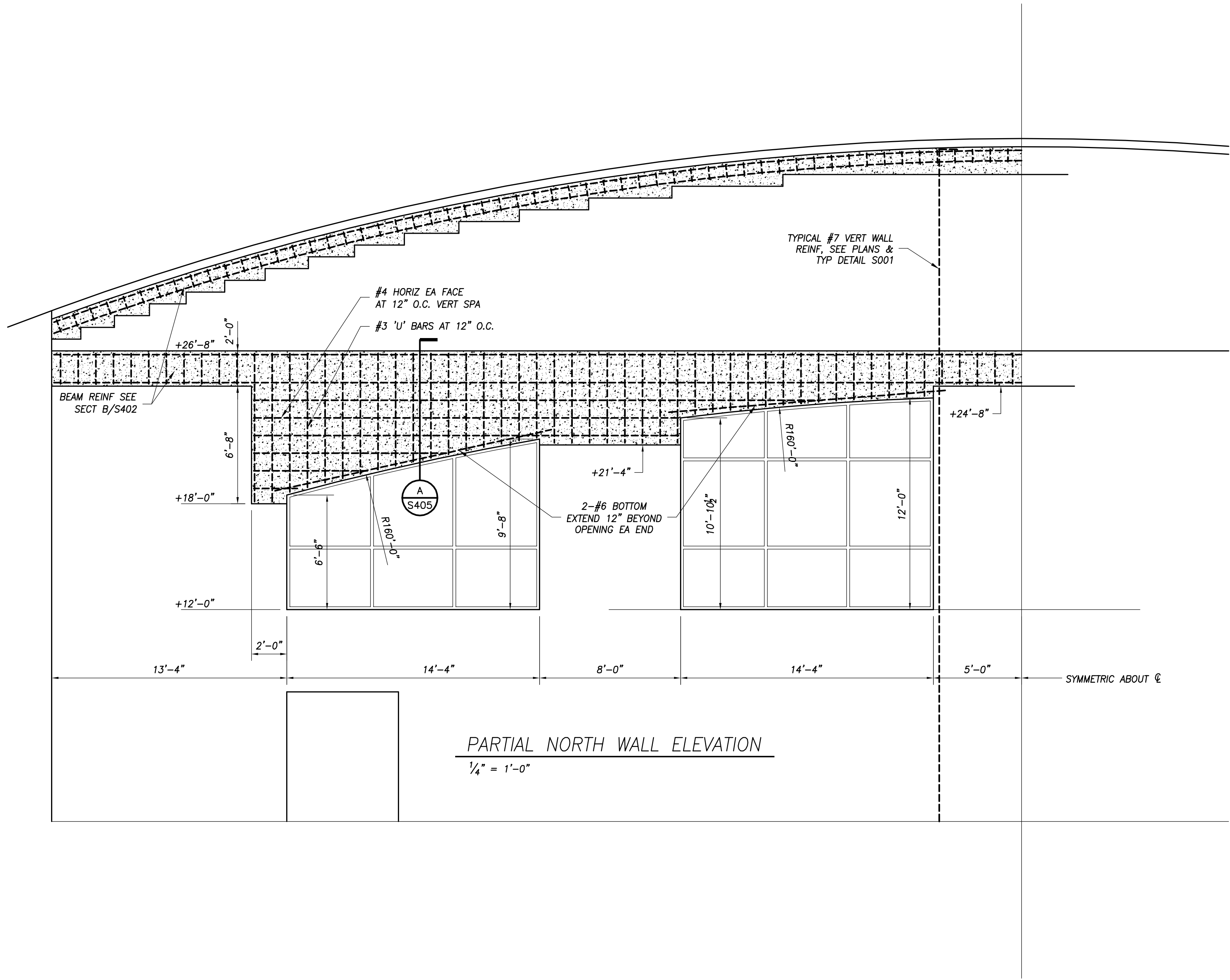
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PROJECT: Gulf Breeze Community Center 800 Shoreline Drive Gulf Breeze, FL 32561	SHEET TITLE: Sections & Details

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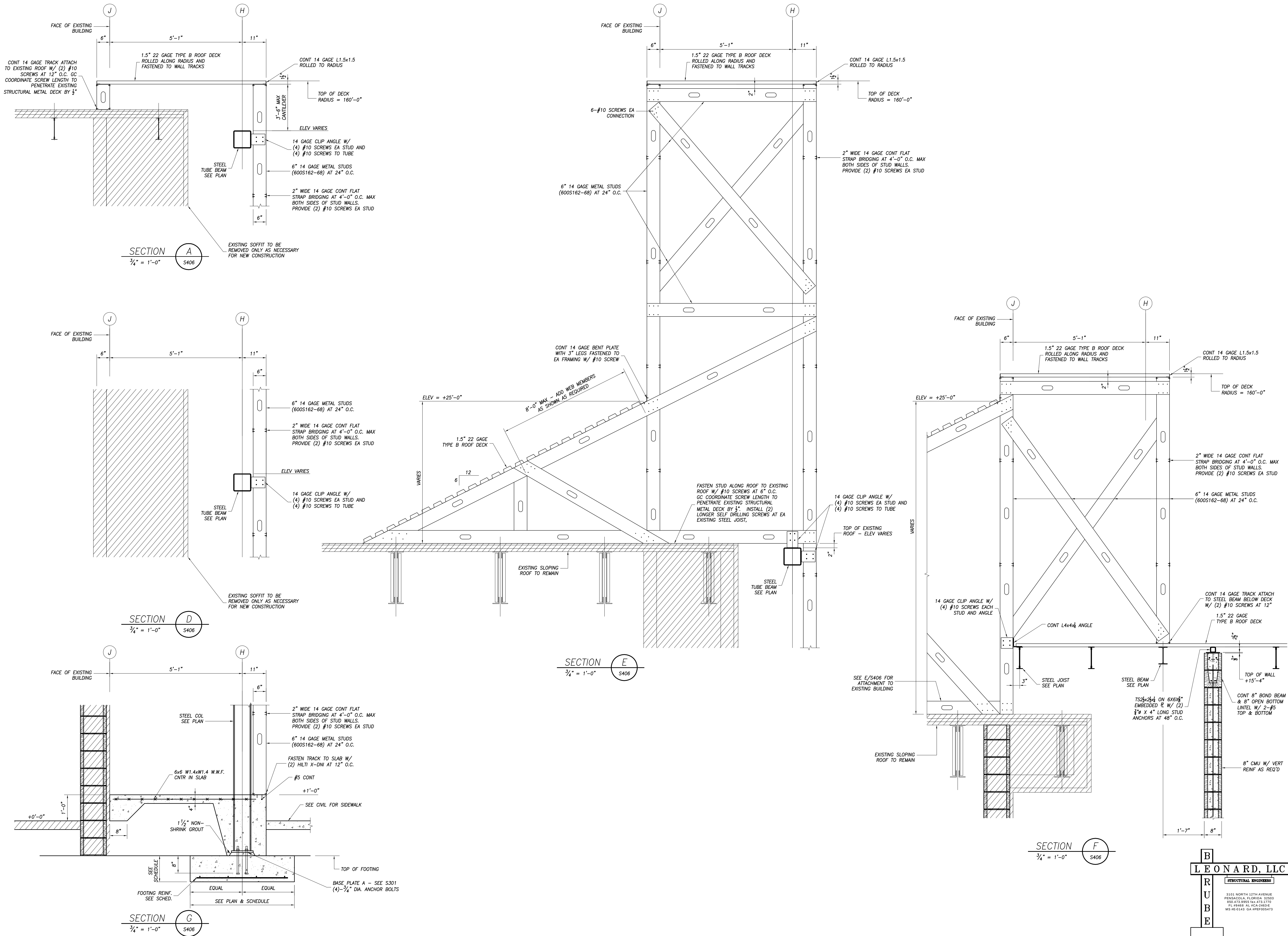
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SHEET TITLE:
Sections & Details

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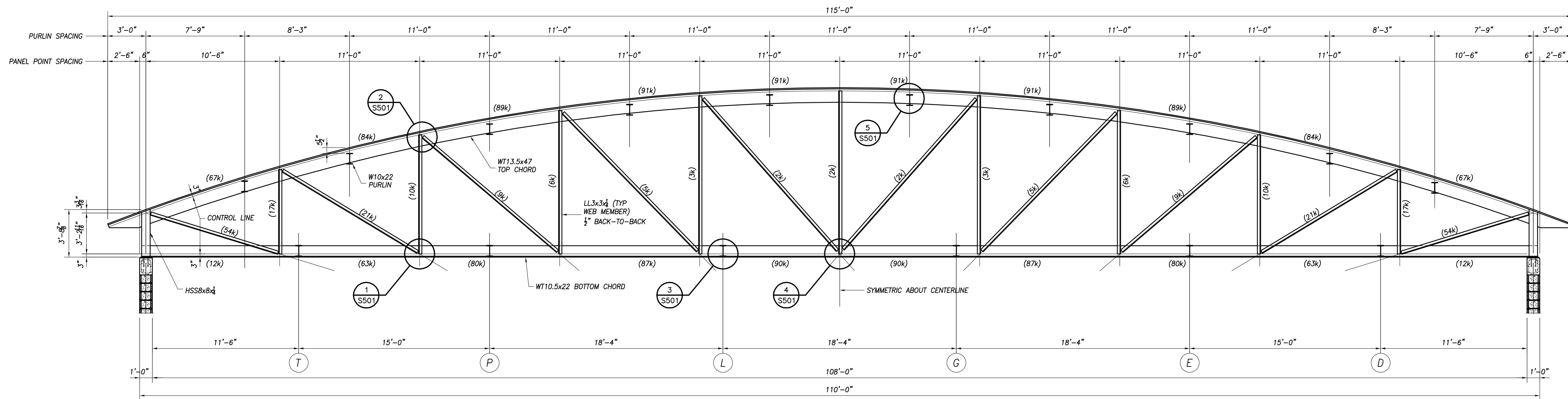
PROJECT:
Gulf Breeze Community Center
800 Shoreline Drive
Gulf Breeze, FL 32561

SHEET TITLE:
Truss Elevation & Details

PROJECT NO: 2413
FILE NO:
DATE: 06.01.2011
REVISION:

SHEET

S501

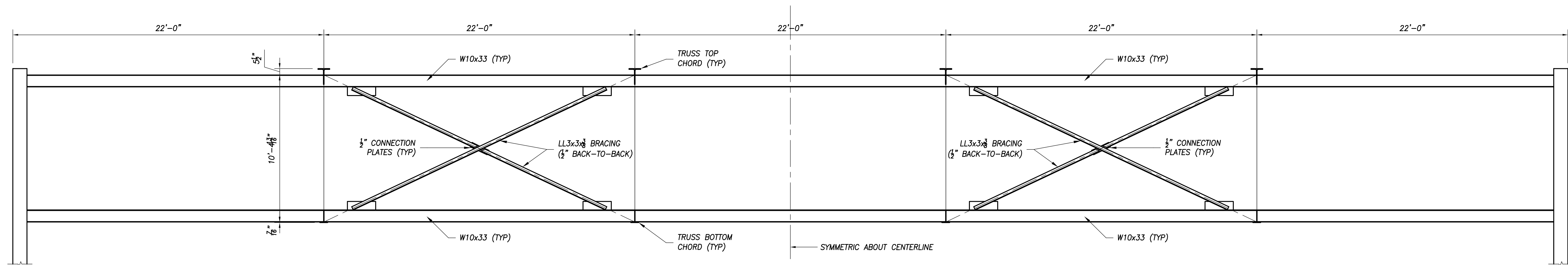


TRUSS ELEVATION

1/4" = 1'-0"

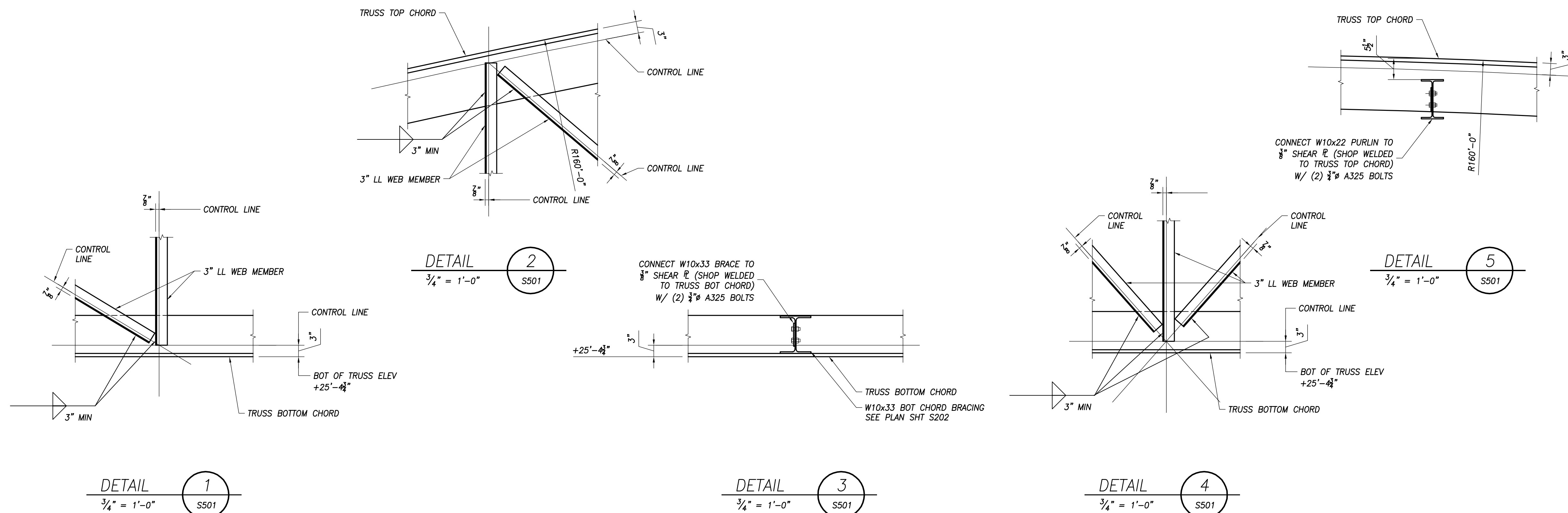
TRUSS NOTES:

1. STEEL FABRICATOR SHALL ENGAGE SPECIALTY ENGINEER TO PROVIDE SIGNED AND SEALED CONNECTION DESIGN FOR TRUSSES. CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH THE TYPICAL DETAILS SHOWN BELOW AND FOR THE LOADS SHOWN IN THE TRUSS ELEVATION ABOVE. MINIMUM WELD LENGTHS ARE SHOWN IN THE DETAILS BELOW.
2. TOP AND BOTTOM CHORDS TO BE CONTINUOUS.
3. TRUSSES ARE EXPOSED TO VIEW. FABRICATION TO NEAT AND CLEAN AND ALL WELDS TO BE GROUND SMOOTH.
4. TRUSS MEMBER AXIAL LOADS SHOWN (XXk) ARE MAXIMUM COMPRESSION AND TENSION IN KIPS.



CROSS BRACING ELEVATION LINES E & P

1/4" = 1'-0"



SEAL

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FL#55850

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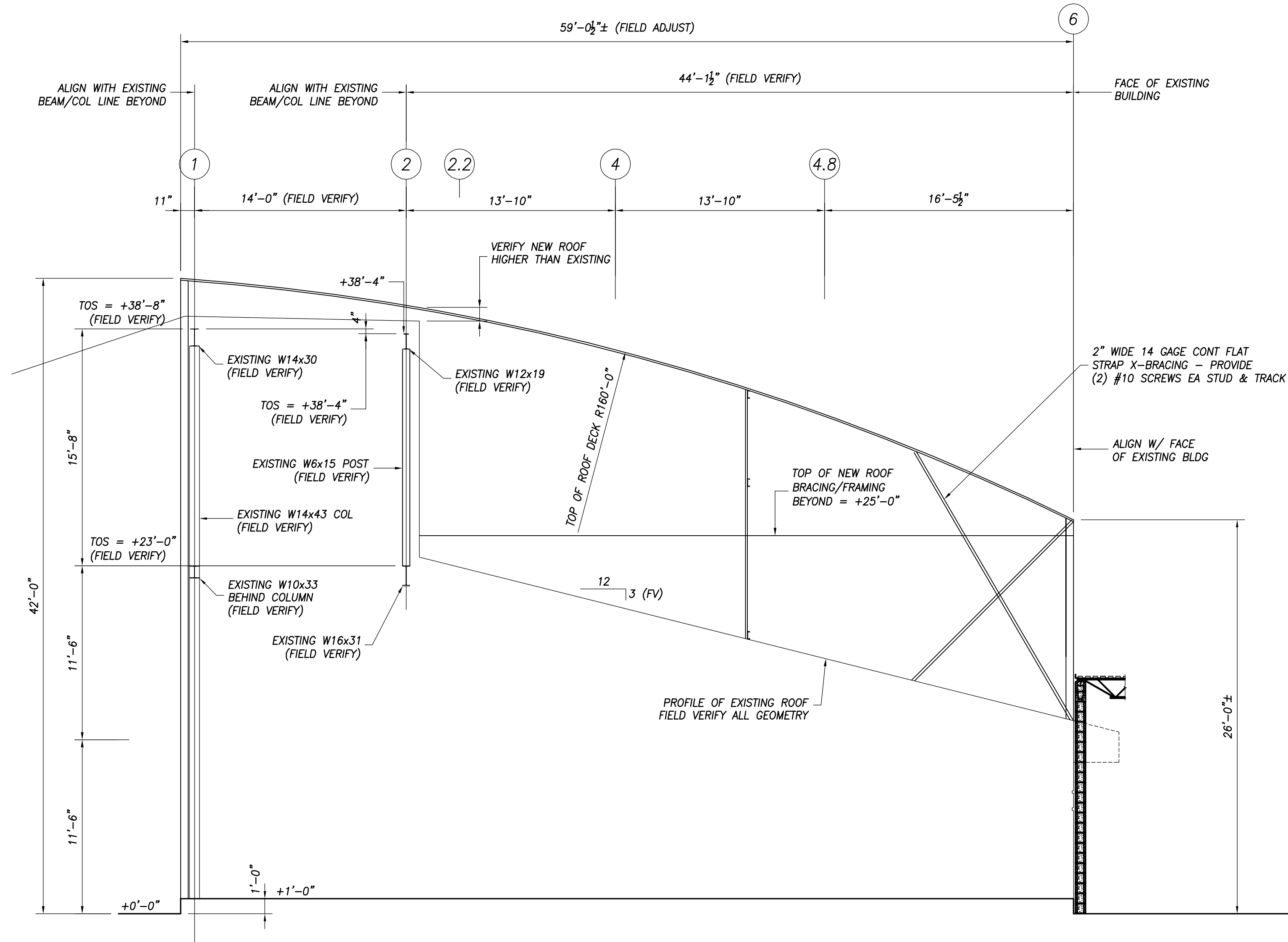
PROJECT:
Gulf Breeze Community Center
800 Shoreline Drive
Gulf Breeze, FL 32561

SHEET TITLE:
Framing Elevations

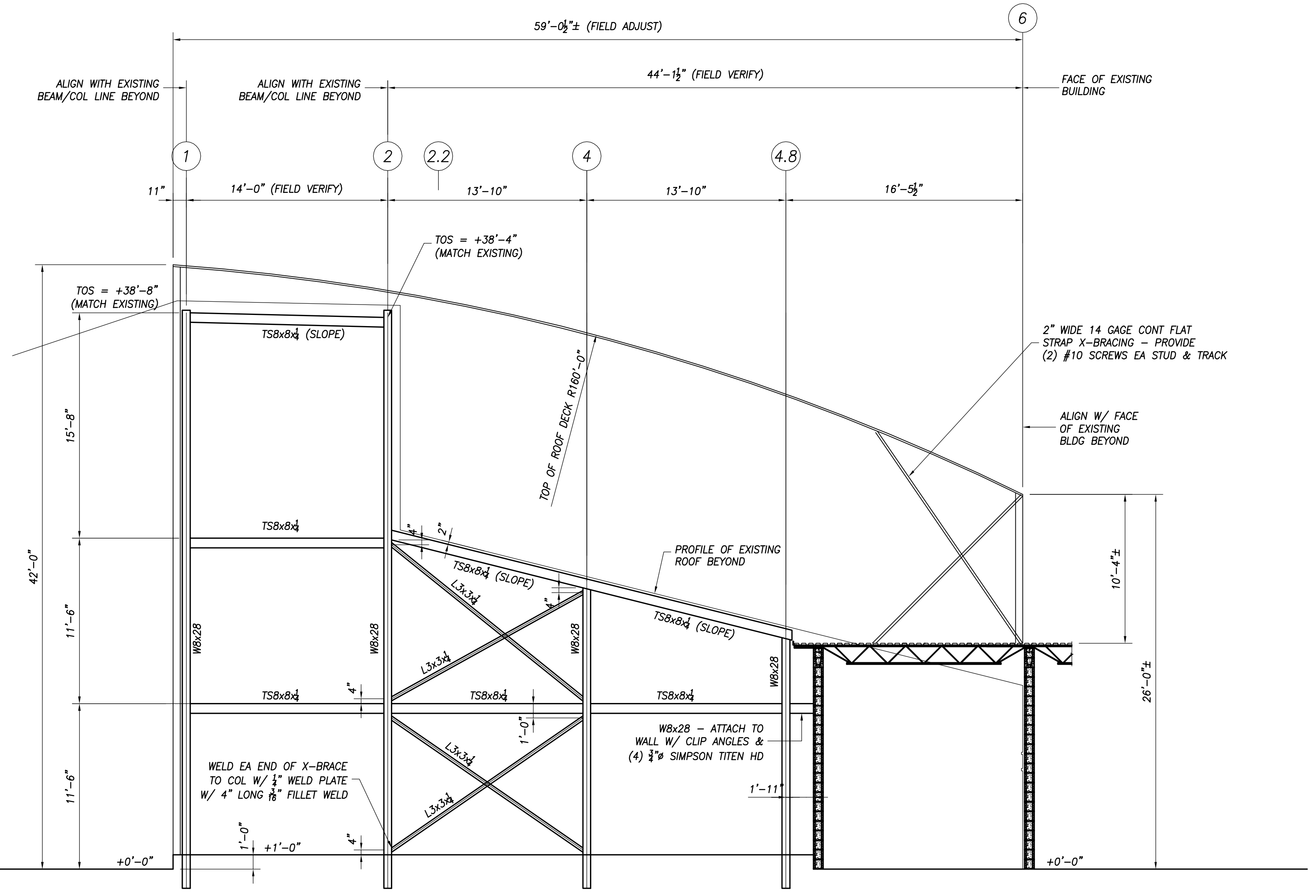
PROJECT NO: 2413
FILE NO:
DATE: 06.01.2011
REVISION:

SHEET

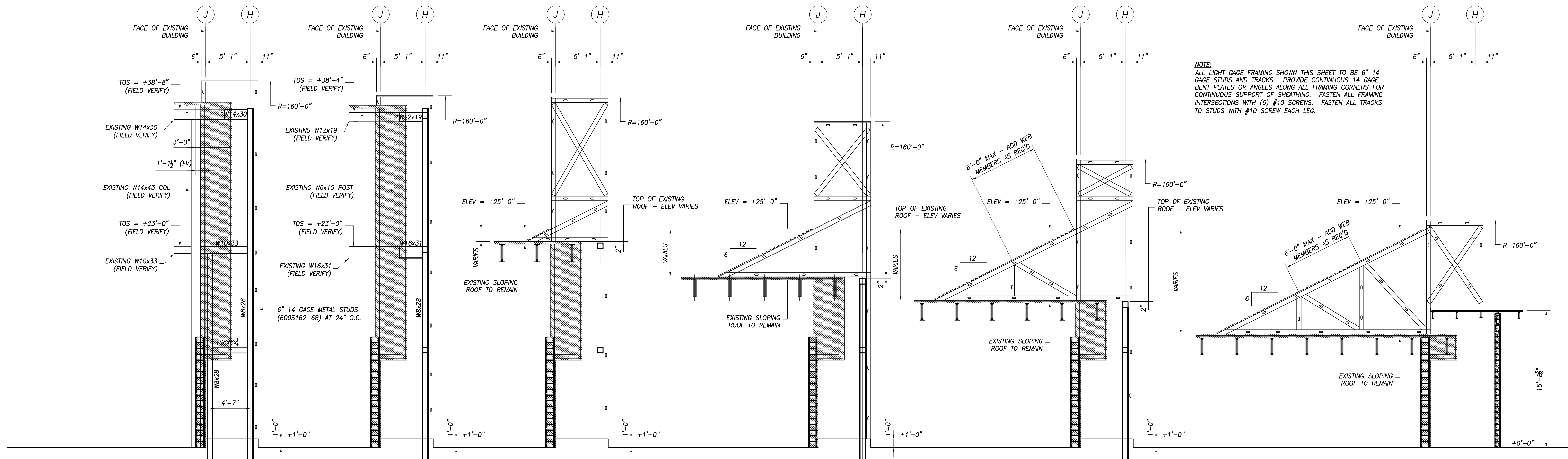
S502



FRAMING ELEVATION - LINE H
3/16" = 1'-0"



FRAMING ELEVATION - LINE J
3/16" = 1'-0"



FRAMING ELEVATION 1
3/16" = 1'-0"

FRAMING ELEVATION 2
3/16" = 1'-0"

FRAMING ELEVATION 2.2
3/16" = 1'-0"

FRAMING ELEVATION 4
3/16" = 1'-0"

FRAMING ELEVATION 4.8
3/16" = 1'-0"

FRAMING ELEVATION 6
3/16" = 1'-0"



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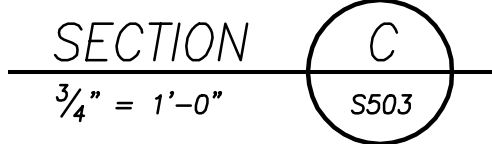
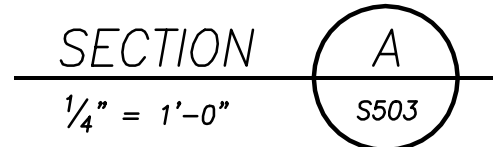
PROJECT:
Gulf Breeze
800 Shoreline Drive
Gulf Breeze, FL 32561

Drop-off Canopy Plans & Details

PROJECT NO: 2413
FILE NO:
DATE: 06.01.2011
REVISION:

HEET

S503



- 1.) REFERENCE ARCHITECTURAL SHEET A402 FOR DROP-OFF CANOPY LOCATION AND ADDITION INFORMATION.
- 2.) FINISH CONNECTIONS AND PAINT PER ARCHITECTS SPECIFICATIONS FOR EXPOSED STEEL.

