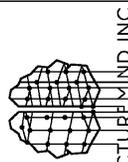


# GENERAL ENGINEERING NOTES:



REGISTRY #82029  
PH# (850) 865-0987  
EMAIL: SUPPORT@STRUCTUREWIND.COM  
312 Hwy 104, Suite 104  
Panama City Beach, FL 32413  
WWW.STRUCTUREWIND.COM

DAVID TAJIB

DISTRIBUTION

16201 FRONT BEACH RD  
PANAMA CITY BEACH, FL 32413

GENERAL NOTES

DRAWN BY: RC  
CHECKED BY: DT  
PR. ID: 24207  
DATE: 2/21/2026

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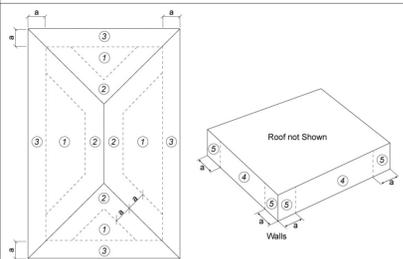
## WIND DESIGN INFORMATION

FLORIDA BUILDING CODE 2023, 8th. EDITION, CHAPTER 16,  
AND DESIGN TABLES ASC (7- 22)

**FULLY ENCLOSED BUILDING NOTE (IMPACT ZONE):**  
THIS STRUCTURE IS DESIGNED AS A FULLY ENCLOSED BUILDING IN ACCORDANCE WITH FLORIDA BUILDING CODE 2023, 8th. EDITION, ALL WINDOWS AND EXTERIOR DOORS SHALL BE RATED FOR 142 MPH WIND PRESSURE AND SHALL HAVE IMPACT RESISTANCE GLASS. CONTRACTOR SHALL SUBMIT DOOR/WINDOW SHOP DRAWINGS TO THE ARCHITECT AND ENGINEER TO VERIFY CODE COMPLIANCE.

1. ULTIMATE WIND SPEED = 142 MPH
2. RISK CATEGORY = I
3. WIND EXPOSURE = D
4. DEBRIS REGION = IMPACT
5. BUILDING ENCLOSURE TYPE = FULLY ENCLOSED
6. INTERNAL PRESSURE COEFFICIENT = ±0.18
7. ROOF PITCH = 4:12
8. MEAN ROOF HEIGHT (ABV. GRADE) = 34.6'
9. WALL END ZONE: S; a - MIN. EDGE DIST. = 5.0'

NOTE: END ZONE DIMENSION = 10% OF LEAST HORIZONTAL DIMENSION OR 0.4MRH (MEAN ROOF HEIGHT), WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3.0'.



## ALLOWABLE COMPONENTS & CLADDING DESIGN PRESSURES

ZONE	EFFECTIVE AREA, SQ. FT.					
	<=10.0		<=50.0		>=100.0	
1	27.7	-62.4	18.9	-45.5	15.1	-38.2
2	27.7	-81.3	18.9	-62.7	15.1	-54.7
3	27.7	-87.6	18.9	-67.3	15.1	-58.6
4	37.2	-40.4	33.3	-36.5	31.6	-34.8
5	37.2	-49.8	33.3	-42.0	31.6	-38.7

POSITIVE INDICATES PRESSURE AND NEGATIVE INDICATES SUCTION

## TRUSS MFG. NOTES

1. TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS TO THE STRUCTURAL ENGINEER AND VERIFY ALL BEARING DIMENSIONS WITH BUILDING CONTRACTOR BEFORE FABRICATION OF FLOOR AND ROOF TRUSSES.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
3. DESIGN ROOF TRUSSES PER FLORIDA BUILDING CODE 2023, 8th. EDITION, RESIDENTIAL: ROOF TRUSS TC LL = 20 PSF, TC DL = 15 PSF, BC DL = 5 PSF, TOTAL LOAD = 40 PSF.
4. DESIGN FLOOR TRUSSES PER FLORIDA BUILDING CODE 2023, 8th. EDITION, RESIDENTIAL: FLOOR TRUSS TC LL = 40 PSF, TC DL = 20 PSF, BC DL = 5 PSF, TOTAL LOAD = 65 PSF.
5. TRUSS MANUFACTURER SHALL REFER TO ARCHITECTURAL FOR CEILING SLOPE AND OTHER BOTTOM CHORD TREATMENT.
6. ALL METAL TRUSS CONNECTORS, PLATES AND ANCHORS FOR WOOD FLOOR/ROOF TRUSSES THAT WILL BE IN CONTACT WITH ALCO. PRESURE TREATED LUMBER SHALL BE STAINLESS STEEL (GRADE 304 OR 316, OR HOT DIP GALVANIZED CONFORMING TO ASTM A153 AND ASTM A663, CLASS B 184) STANDARDS.

## DEFLECTION LIMITS

CONSTRUCTION	LIVE LOAD	WIND LOAD	TOTAL LIVE + DEAD
ROOF MEMBERS:			
SUPPORTING PLASTER OR STUCCO CEILING	L/360	L/360	L/240
SUPPORTING NONPLASTER CEILING	L/240	L/240	L/180
NOT SUPPORTING CEILING	L/180	L/180	L/120
FLOOR MEMBERS	L/360	NA	L/240

- NOTES:**
1. THE PRECEDING DEFLECTIONS DO NOT INSURE AGAINST PONDING. ROOFS THAT DO NOT HAVE SUFFICIENT SLOPE OR GAMBER TO ENSURE ADEQUATE DRAINAGE SHALL BE INVESTIGATED FOR PONDING BY A TRUSS ENGINEER.
  2. THE WIND SHALL BE PERMITTED TO BE TAKEN 0.42 TIMES THE "COMPONENT AND CLADDING" LOADS.
  3. L = LENGTH OF MEMBER BETWEEN SUPPORTS. FOR CANTILEVER MEMBERS, L SHALL BE TAKEN AS TWICE THE LENGTH OF CANTILEVER.
  4. THE DEFLECTION LIMITS OF THIS TABLE SHALL BE USED UNLESS MORE RESTRICTED DEFLECTION LIMITS ARE REQUIRED BY A REFERENCED STANDARD FOR THE ELEMENT OR FINISH MATERIAL.

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ABBREVIATIONS	ABBREVIATIONS
AB ANCHOR BOLT	AD ADDITIONAL
AL ALTERNATE	ALUM ALUMINUM
AP APPROXIMATE	APPR APPROXIMATE
ARCH ARCHITECTURAL or ARCHITECT	
B/ BOTTOM OF	
BLDG BUILDING	
BLK BLOCKING	
BOS BOTTOM OF STEEL	
BRG BEARING	
B/S BOTTOM SIDE	
BTM or (B) BOTTOM	
BTW BETWEEN	
CB CARRIAGE BOLT	
CFP CAST IN PLACE	
CL CENTERLINE	
CJ CONTROL JOINT	
CLR CLEAR	
CMU CONCRETE MASONRY UNIT	
C.O. CASED OPENING	
COL COLUMN	
CONC CONCRETE	
CONN CONNECTION	
CONST CONSTRUCTION	
CONT CONTINUOUS	
CSJ CONSTRUCTION JOINT	
CTR CENTERED, "CNTR'd" SIM	
DBL DOUBLE	
DA or (2) DIAMETER	
DIAG DIAGONAL	
DM DIMENSION	
DR DOWN	
D.L. DEAD LOAD	
DN DOWN	
DWG DRAWING	
DWL DOWEL	
EA EACH	
E.E. EACH END	
E.F. EACH FACE	
EJ EACH JOINT	
ELEV ELEVATION	
EMBED EMBEDDED or EMBEDMENT	
EOS EDGE OF SLAB	
E.G. EXISTING GRADE	
E.S. EXISTING	
EQ. EQUAL	
E.W. EXISTING WALL	
EX EXISTING	
EXT EXTERIOR	
EXT EXTERIOR	
FA FAR FACE	
FFE FINISHED ELEVATION	
FG FINISHED GRADE	
FL FLOOR	
FLG FLANGE	
FND FOUNDATION	
FOG FACE OF CONCRETE	
FORM FACE OF MASONRY	
FOS FACE OF STUD	
FP FULL PENETRATION	
FS FACE SIDE	
FT OR (f) FOOTING	
FTAO FORCE TRANSFER AROUND OPENING	
GA GALVAL	
GB GALVANIZED	
GDR GLUE LAMINATED LUMBER	
GRIDER GRIDDER PLATE	
GRD GROUND	
HA HEADED ANCHOR STUD	
HD HOT DIP GALVANIZED	
HDR HEADER	
HK HOOK	
HOR HORIZONTAL	
HRS HIGH STRENGTH BOLT	
H.S.B. HEADER SHEAR or "NELSON" STUD	
HSS HOLLOW STEEL SECTION or TUBE	
IF INCH	
IN or (") INCHES	
INT. INTERIOR	
INVT INVERT	
LB or (#) POUNDS	
LE LEFT END	
LL LONG LEG DOWN	
LLH LONG LEG HORIZONTAL	
LLV LONG LEG VERTICAL	
LOC. LOCATION	
LVL LAMINATED VENEER LUMBER	
LWC LIGHT WEIGHT CONCRETE	
MAS MASONRY	
MAX MAXIMUM	
MFR MANUFACTURER	
MIN (M) MINIMUM	
MIS MISCELLANEOUS	
M.R.D. METAL ROOF DECK	
MTRL MATERIAL	
N.F. NEAR FACE	
NOM. NOMINAL	
NO. NUMBER OR #	
NR NEAR SIDE	
NS NON SHIRK	
N.T.S. NOT TO SCALE	
O.C. ON CENTER, "O.C." SIM	
O.C.E.W. ON CENTER EACH WAY	
OP OUTSIDE FACE	
ORP OVERSIZED	
PCC PRECAST CONCRETE	
PERP PERPENDICULAR	
PL PLATE	
PL PREFABRICATED	
PRELIM PRELIMINARY	
PSL PARALLEL STRAND LUMBER	
P.T. PRESSURE TREATED	
PT. POST-TENSION	
RAD or (R) RADIUS DIM	
R.E. RIGHT END	
REINF REINFORCING	
REF REFERENCE	
RET RETURN	
REQ REQUIRED	
RLL ROOF LIVE LOAD	
RO ROUGH OPENING	
SC SUP CRITICAL	
SCHED SCHEDULE	
SIM SIMILAR	
SMB SLAB ON GRADE	
S.P. STUD PACK	
SPECIFICATIONS SQUARE	
SS STAINLESS STEEL, "S.S." SIM	
STAG STANDARD	
STIFF STIFFENER	
STD STEEL	
STR STRUCTURAL "STRUCT" SIMLAR	
SW SHEAR WALL	
SYM SYMMETRICAL	
T or (T) TOP	
T&S TOP AND BOTTOM	
TEMP. TEMPERATURE & SHRINKAGE REINF.	
T/ TOP SIDE	
TD TYPED	
TEMP. TEMPERATURE	
THK THICK OR THICKNESS	
TOB TOP OF BEAM	
TOC TOP OF CONCRETE	
TOF TOP OF FOOTING	
TOS TOP OF STEEL	
TOW TOP OF WALL	
TRANS TRANSVERSE	
TYP TYPICAL	
UNT UNLESS NOTED OTHERWISE, "U.N.O." SIM	
VERT VERTICAL	
V.F. VERIFY IN FIELD	
W/ WITH	
W/O WITHOUT	
WF WIDE FLANGE	
WWM WELDED WIRE MESH	

3. SQUARE/RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500, GRADE B.
4. ROUNH HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A501 OR ASTM A53, GRADE B.
4. OTHER STEEL SHAPES (CHANNELS, ANGLES, AND PLATES) MAY CONFORM TO ASTM A36.
3. PIPES OR DUCTS SHALL NOT EXCEED ONE-THIRD THE SLAB OR WALL THICKNESS UNLESS SPECIFICALLY DETAILED. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, ACCESSORIES, ETC.
2. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.
5. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS.
5. DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.01 INCH SHALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO DETERMINED BY THE STRUCTURAL ENGINEER.

8. **STRUCTURAL INSPECTIONS:**
  - A. CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER TO PERFORM STRUCTURAL INSPECTIONS PRIOR TO PLACING CONCRETE OR COVERING STRUCTURAL MEMBERS OR CONNECTIONS. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER AT LEAST 48 HOURS IN ADVANCE OF A NECESSARY INSPECTION.

8. **TYPICAL SCHEDULING OF INSPECTION:**
  - PILING(S) (WHEN APPLICABLE)
  - FOUNDATION
    - STEM WALL BLOCK AND/OR BLOCK PIER (LAYOUT AND REBARS)
  - FIRST FLOOR
    - SLAB (REINFORCING STEEL AND GRADE BEAMS) (WHEN APPLICABLE)
    - FIRST FLOOR FRAMING (BEAMS, JOISTS, HANGERS, STRAPS, HOLDOWNS) (WHEN APPLICABLE)
  - SHEATHING NAIL-OFF INSPECTION (EXTERIOR SHEATHING, SHEARWALL SHEATHING, ROOF DECKING) (WHEN APPLICABLE)
  - FINAL FRAMING/STRAPPING (BEAMS, COLUMNS, TRUSSES, STRAPS, HOLDOWNS, SHEAR WALLS) FOLLOW-UP FRAMING/STRAPPING INSPECTIONS (IF CORRECTIONS WERE REQUIRED AFTER INITIAL FRAMING/STRAPPING INSPECTION)
  - CAST IN PLACE CONCRETE ELEMENTS
    - REINFORCING FOR WALL AND COLUMNS PRIOR TO CLOSING FORMWORK
    - REINFORCING IN ALL C.I.P. BEAMS AND STRUCTURAL SLABS.
9. **REINFORCEMENT:**
  - A. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
  - B. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND HAVE MINIMUM SIDE AND END LAPS OF 8".
  - C. REINFORCING STEEL SHALL ONLY BE WELDED OR TACK-WELDED IF IT CONFORMS TO ASTM A706, AND AWS D1.4. REINFORCING SHALL NOT BE WELDED NOR TACK-WELDED UNLESS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
  - D. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.
  - E. PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
  - F. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:
    - CAST-IN-PLACE (NON POST-TENSIONED) CONCRETE REINFORCEMENT COVER:
      - PERMANENTLY EXPOSED TO EARTH:
        - CLEAR AGAINST THE EARTH.....3" CLEAR
        - CLEAR AGAINST THE FORMWORK.....2" CLEAR
      - EXPOSED TO EARTH OR WEATHER:
        - FOR BARS LARGER THAN NO. 5 BAR.....2" CLEAR
        - NO. 5 BARS OR SMALLER.....1-1/2" CLEAR

6. **POST INSTALLED ANCHORS**
  - A. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR. HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS RECD BY THE BUILDING CODE. PROVIDE CONTINUOUS SPECIAL INSPECTION FOR ALL MECHANICAL AND ADHESIVE ANCHORS PER THE APPLICABLE EVALUATION REPORT. CONTACT MANUFACTURER'S REPRESENTATIVE FOR THE INITIAL TRAINING AND INSTALLATION OF ANCHORS AND FOR PRODUCT RELATED QUESTIONS AND AVAILABILITY.

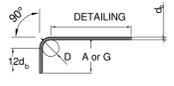
6. **CONCRETE ANCHORS**
  1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 308.2 AND ACI 308.4 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
    - SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713)
    - SIMPSON STRONG-TIE "STRONG-BOLT 2" (ICC-ES ESR-3037)
  2. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 308.4 AND ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE
    - SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2508)
    - SIMPSON STRONG-TIE "AT-XP" (IAMPO-ES ES-0263)
    - HILTI HIT HY150 INJECTION ADHESIVE
    - EPON CERAMIC 6 EPOXY ADHESIVE SUPPLIED BY ITW RAMSET/RED HEAD
    - POWER-FAST EPOXY INJECTION GUL SUPPLIED BY POWERS FASTENING

6. **MASONRY ANCHORS**
  - ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:
  1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC101 OR AC106. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
    - SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES FL15730)
    - SIMPSON STRONG-TIE "STRONG-BOLT 2" (IAMPO-ES FL16230)
    - SIMPSON STRONG-TIE "WEDGE-ALL" (ICC-ES FL15730)
  2. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
    - SIMPSON STRONG-TIE "AT-XP" (IAMPO-ES FL16230)
    - SIMPSON STRONG-TIE "SET-XP" (IAMPO-ES ER-16230)
    - HILTI HIT HY150 INJECTION ADHESIVE (ICC-ES ESR-3963)

BAR SIZE	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
LENGTH	20	26	32	38	63	78

	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
D=6" d <sub>b</sub>	2.25	3.00	3.75	4.50	5.25	6.00
A or G	6	8	10	12	14	16

	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
6" CMU	19	25	39	81	NA	NA
8" CMU	19	25	31	57	79	113
12" CMU	19	25	31	53	61	75



3. SQUARE/RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500, GRADE B.
4. ROUNH HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A501 OR ASTM A53, GRADE B.
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        - CLEAR AGAINST THE FORMWORK.....2" CLEAR
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6. **CONCRETE ANCHORS**
  1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 352.2 AND ICC-ES AC193 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
    - SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713)
    - SIMPSON STRONG-TIE "STRONG-BOLT 2" (ICC-ES ESR-3037)
  2. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 352.4 AND ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE
    - SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2508)
    - SIMPSON STRONG-TIE "AT



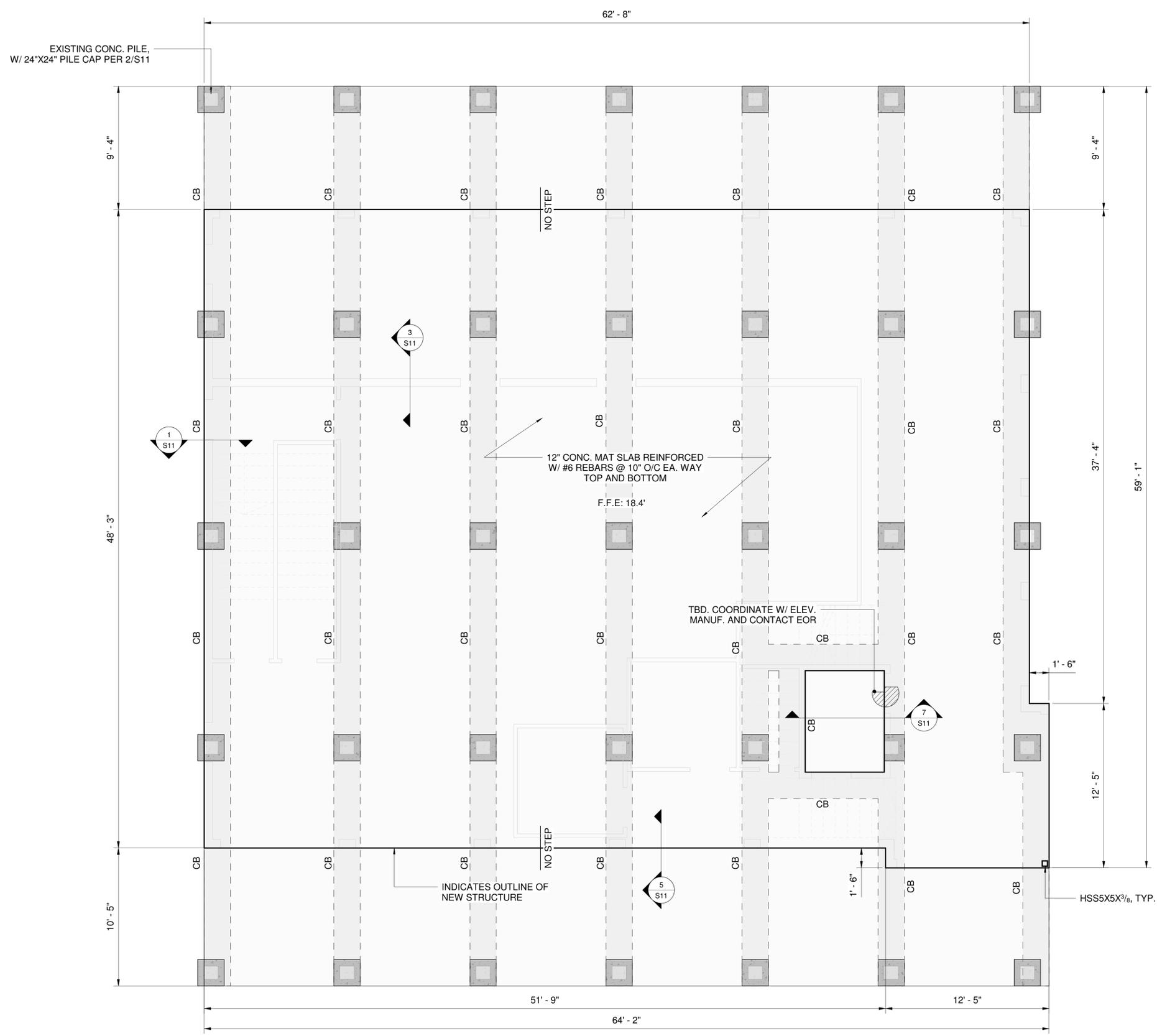
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MAT SLAB PLAN

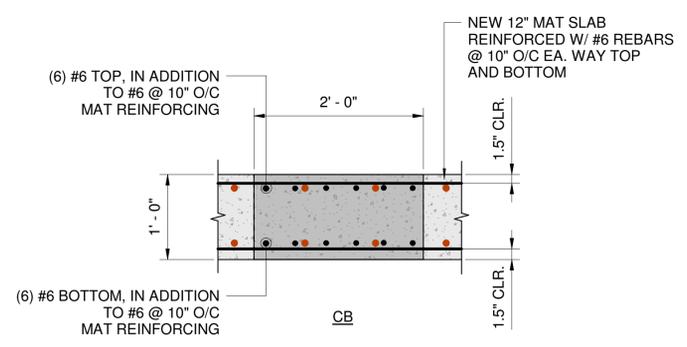
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 DATE: 2/21/2026

S3

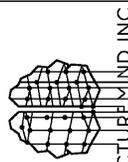


NOTES:

- SEE ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN, SLOPES, DRAINS, OPENINGS, AND FLOOR RECESSES.
- INDICATES LOCATION OF X" STEP.
- INDICATES LOCATION OF EXISTING 12" SQ. CONC. PILES.



1 MAT SLAB PLAN  
 1/4" = 1'-0"



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WWW.STRMINDENGINEERING.COM

DAVID TAJIB

DATE

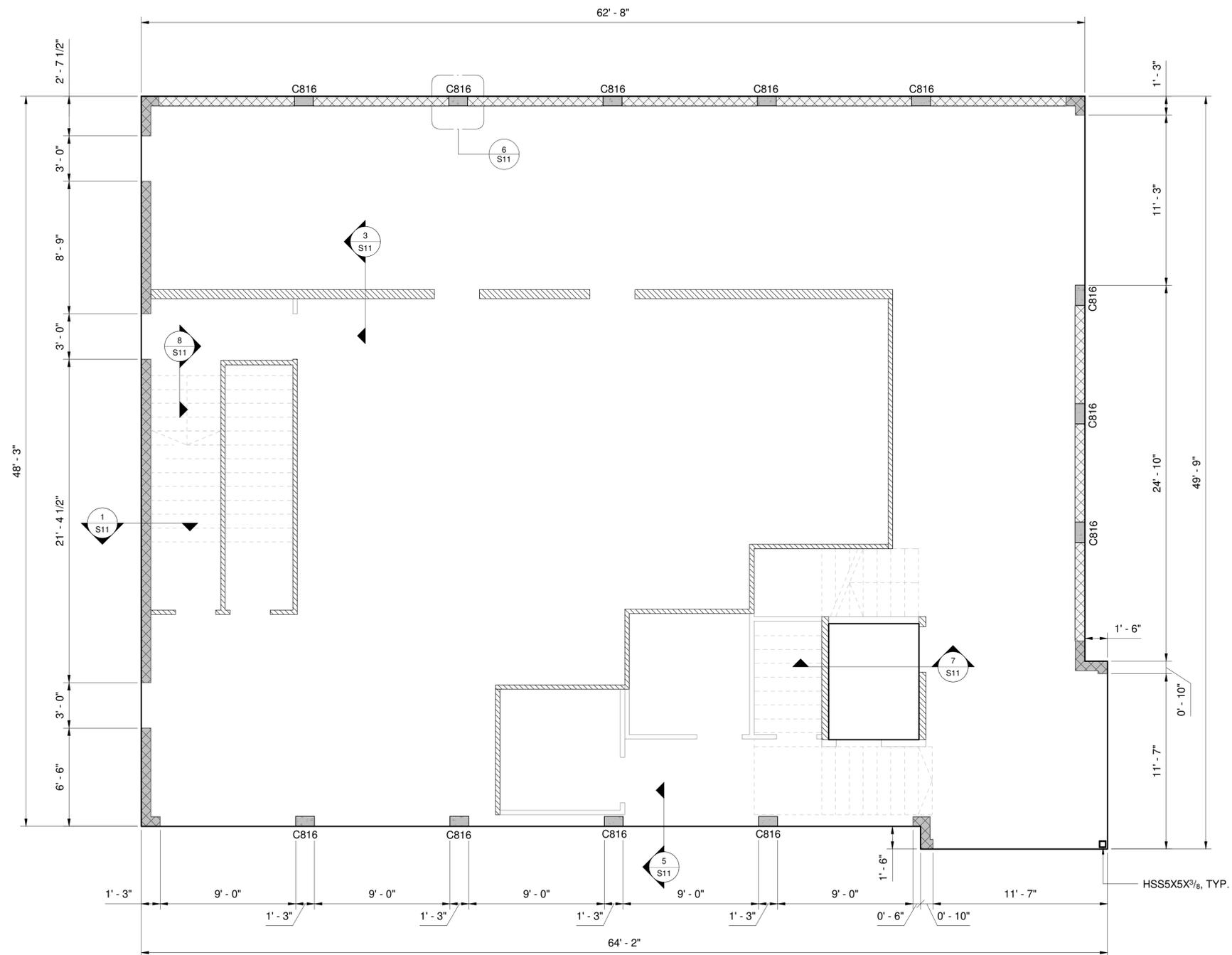
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FIRST FLOOR WALL LAYOUT

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DATE: 2/21/2026

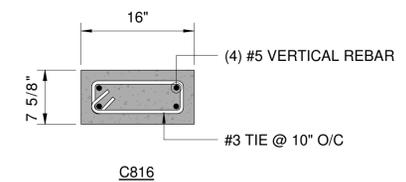
S4



**1 FIRST FLOOR WALL LAYOUT**  
1/4" = 1'-0"

NOTES:

- SEE ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN, SLOPES, DRAINS, OPENINGS, AND FLOOR RECESSES.
- INDICATES LOCATION OF FULLY GROUTED 8" CMU WALL REINFORCED WITH # 5 VERTICAL REBARS @ 32" O/C AND PER DETAIL 7/S9.
- COORDINATE W/ ARCH. FOR EXACT DOOR AND WINDOW ROUGH OPENING SIZES.
- INDICATES LOCATION OF 2X FRAMED INTERIOR LOAD BEARING WALL.

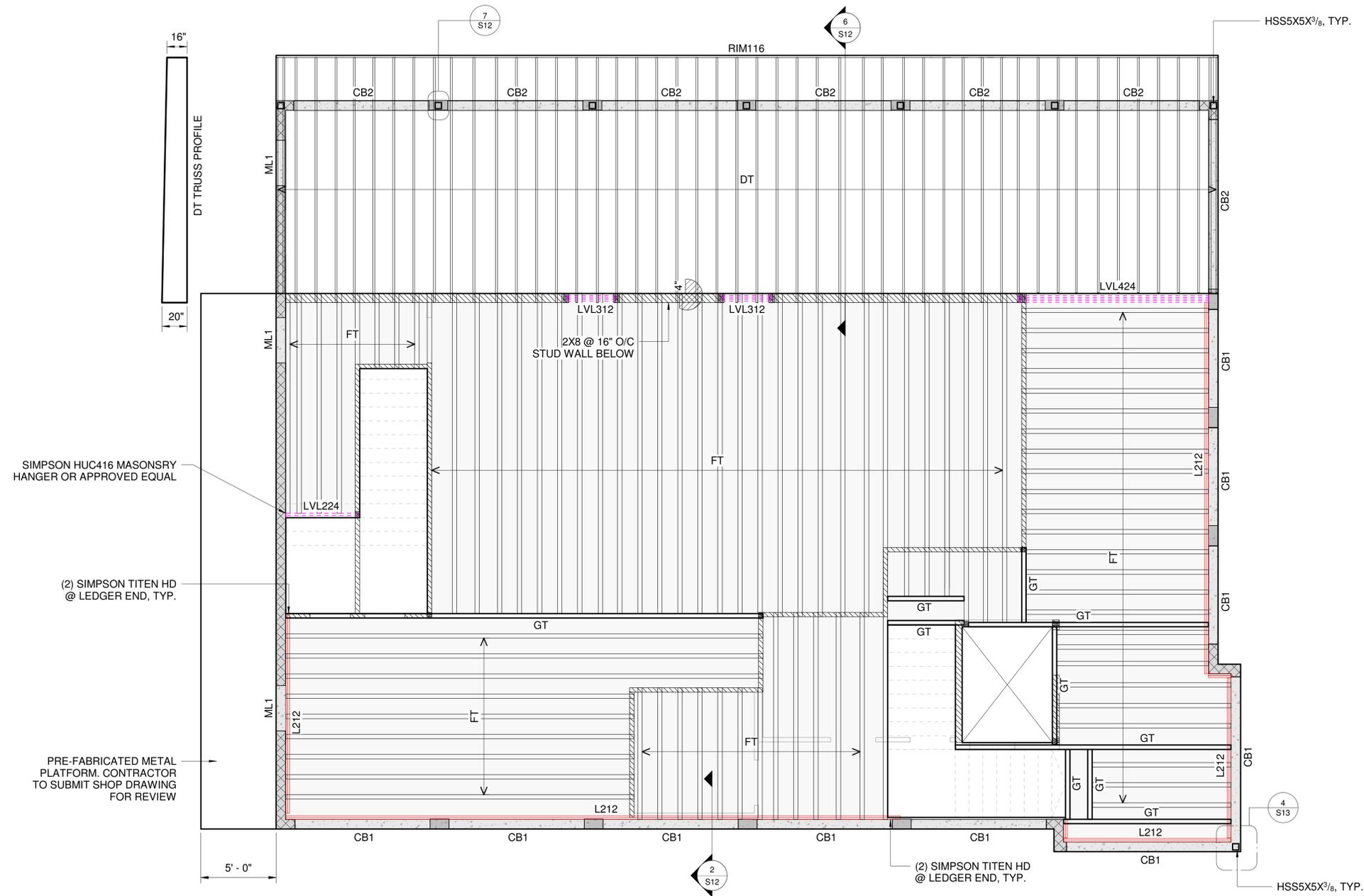


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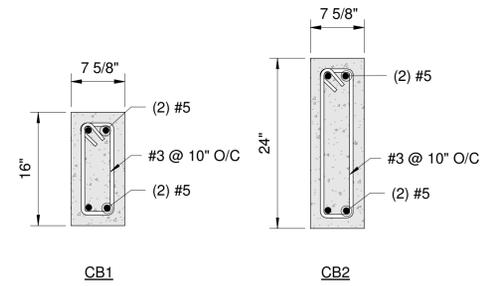
SECOND FLOOR FRAMING PLAN

DRAWN BY: RC  
CHECKED BY: DT  
PR. ID: 24207  
DATE: 2/21/2026

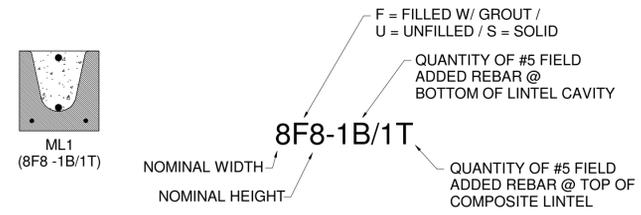


**1 SECOND FLOOR FRAMING PLAN**  
1/4" = 1'-0"

- NOTES:
- SEE ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN, SLOPES, DRAINS, OPENINGS, AND FLOOR RECESSES.
  - TRUSS MANUF. TO REFER TO TRUSS DESIGN LOADS ON GENERAL NOTES SHEET.
  - ALL WOOD LOAD BEARING HEADERS/BEAMS NOT SPECIFIED ON PLANS SHALL BE MIN. (3) 2X12 W/ (2) 1/2" PLYWOOD FLITCH PLATES TYP. FOR 2X6 WALLS AND (2) 2X12 1/2" PLYWOOD FLITCH PLATE FOR 2X4 WALLS (U.N.O.)
  - ALL WOOD EXPOSED TO WEATHER SHALL BE PRESSURE TREATED UNLESS WATERPROOFED BY A CERTIFIED CONTRACTOR.
  - ALL FASTENERS/STRAPS/CLIPS/HANGER ETC. THAT ARE LOCATED OUTSIDE THE BUILDING ENVELOPE OF THE HOUSE SHALL BE STAINLESS STEEL GR.304, GR. 316 OR GALVANIZED.
  - ALL BEAM TO BEAM/WALL CONNECTIONS TO BE MADE WITH SIMPSON HUCQ612-SDS/HHU5.5/10 U.N.O.
  - INDICATES LOCATION OF X" STEP.
  - INDICATES LOCATION OF MIN. 3 PLY 2X STUD PACK STRAPPED TO BEAM/TRUSS ABOVE W/ (2) MTS20 STRAP OR APPROVED SIMILAR. ATTACH BASE OF ROOF SUPPORTING STUD PACKS TO FRAMING BELOW W/ (2) MTS20 STRAPS AND/OR TO CONCRETE FOUNDATION W/ SIMPSON HDU5-SDS2.5.
  - INDICATES LOCATION OF 2X FRAMED INTERIOR LOAD BEARING WALL.
  - INDICATES LOCATION OF FULLY GROUTED 8" CMU WALL REINFORCED WITH # 5 VERTICAL REBARS @ 32" O/C AND PER DETAIL 7/S9.

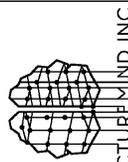


**CAST-CRETE LINTEL SCHEDULE**



- NOTES:
- ALL LINTELS SHALL HAVE 8" MIN. BEARING @ EA. END.
  - ALL LINTELS SHALL BE FILLED W/ 4000 PSI GROUT MIN.
  - DESIGN IS BASED ON CAST-CRETE PRECAST LINTEL TYPES.
  - LINTELS THAT COVER SPAN 8'-0" AND GREATER SHALL BE PROVIDED WITH TEMPORARY SUPPORT AT MIDPOINT UNTIL GROUTED CONCRETE HAS REACHED FULL STRENGTH.

FRAMING LEGEND	
FT	24" PRE-ENGINEERED FLOOR TRUSSES @ 16" O/C MAX
GT	24" PRE-ENGINEERED FLOOR GIRDER TRUSS
DT	PRE-ENGINEERED DECK TRUSSES @ 16" O/C MAX.
LVL424	QUAD. 1.75"X 24" LVL BEAM
LVL224	DOUBLE 1.75"X 24" LVL BEAM
LVL312	TRIPLE 1.75"X 12" LVL BEAM
B212	DOUBLE 2X12 BEAM
L212	DOUBLE 2X12 LEDGER
RIM116	SINGLE 1.75"X16" LVL RIMBOARD



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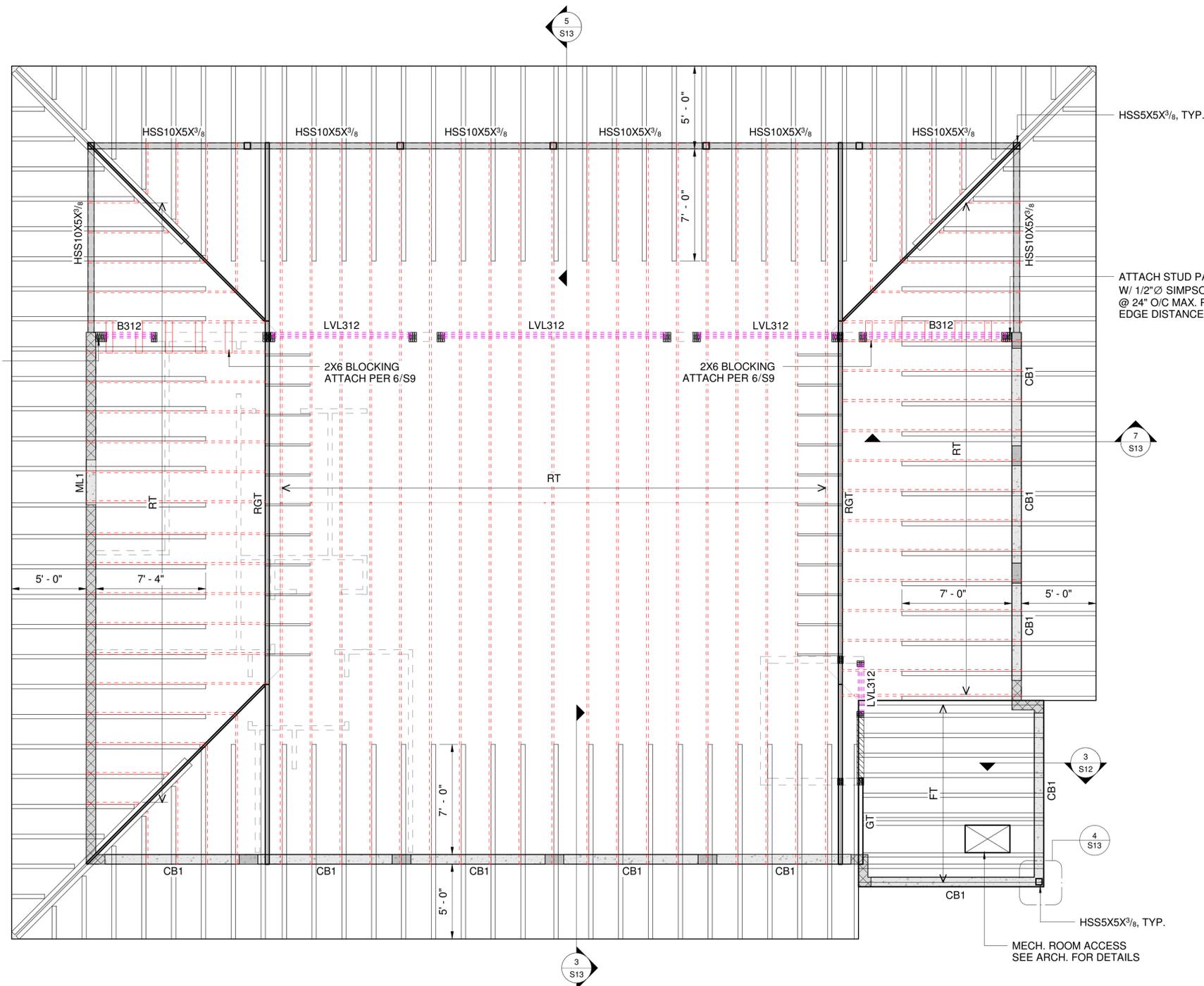
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ROOF FRAMING PLAN

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S6



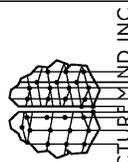
1 MAIN ROOF FRAMING PLAN  
1/4" = 1'-0"

2 TOWER LEVEL ROOF FRAMING PLAN  
1/4" = 1'-0"

NOTES:

- SEE ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN, SLOPES, DRAINS, OPENINGS, AND FLOOR RECESSES.
- TRUSS MANUF. TO REFER TO TRUSS DESIGN LOADS ON GENERAL NOTES SHEET.
- ALL WOOD LOAD BEARING HEADERS/BEAMS NOT SPECIFIED ON PLANS SHALL BE MIN. (3) 2X12 W/ (2) 1/2" PLYWOOD FLITCH PLATES TYP. FOR 2X6 WALLS AND (2) 2X12 1/2" PLYWOOD FLITCH PLATE FOR 2X4 WALLS (U.N.O.)
- ALL WOOD EXPOSED TO WEATHER SHALL BE PRESSURE TREATED UNLESS WATERPROOFED BY A CERTIFIED CONTRACTOR.
- ALL FASTENERS/STRAPS/CLIPS/HANGER ETC. THAT ARE LOCATED OUTSIDE THE BUILDING ENVELOPE OF THE HOUSE SHALL BE STAINLESS STEEL GR.304, GR. 316 OR GALVANIZED.
- ALL BEAM TO BEAM/WALL CONNECTIONS TO BE MADE WITH SIMPSON HUC0612-SDS/HHU5.5/10 U.N.O.
- ▣ - INDICATES LOCATION OF MIN. 3 PLY 2X STUD PACK STRAPPED TO BEAM/TRUSS ABOVE W/ (2) MTS20 STRAP OR APPROVED SIMILAR. ATTACH BASE OF STUD PACK TO FRAMING BELOW W/ (2) MTS20 STRAPS AND/OR TO CONCRETE FOUNDATION W/ SIMPSON HDU5-SDS2.5.
  - ▣ - INDICATES LOCATION OF FULLY GROUTED 8" CMU WALL REINFORCED WITH # 5 VERTICAL REBARS @ 32" O/C AND PER DETAIL 7/S9.

FRAMING LEGEND	
RT	PRE-ENGINEERED ROOF TRUSSES @ 24" O/C MAX.
RGT	PRE-ENGINEERED ROOF GIRDER TRUSS
FT	16" PRE-ENGINEERED FLOOR TRUSSES @ 16" O/C MAX
GT	16" PRE-ENGINEERED FLOOR GIRDER TRUSS
LVL312	TRIPLE 1.75"X 12" LVL BEAM
LVL212	DOUBLE 1.75"X 12" LVL BEAM
B312	TRIPLE 2X12 BEAM



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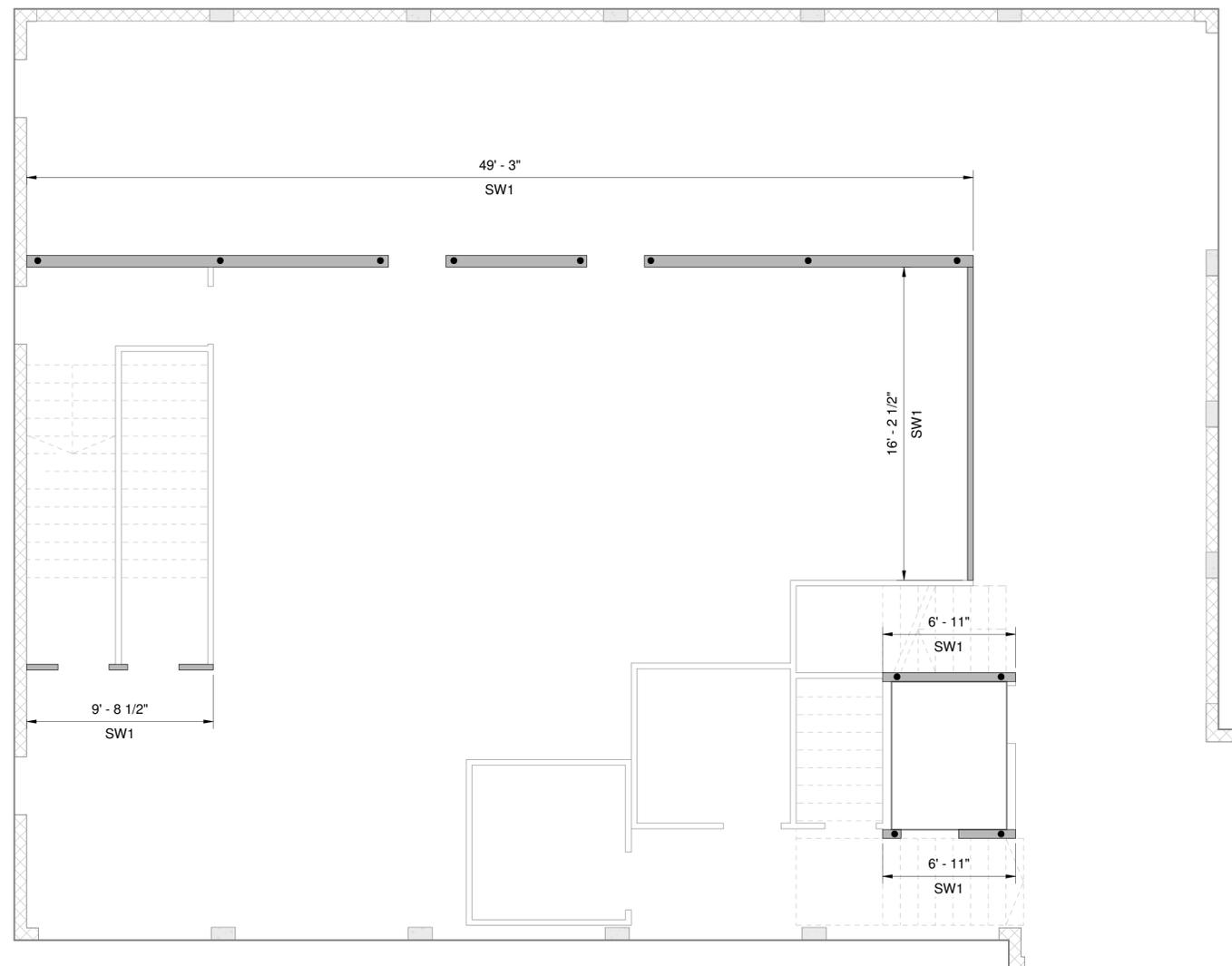
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FIRST FLOOR SHEAR WALL  
 LAYOUT

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S7



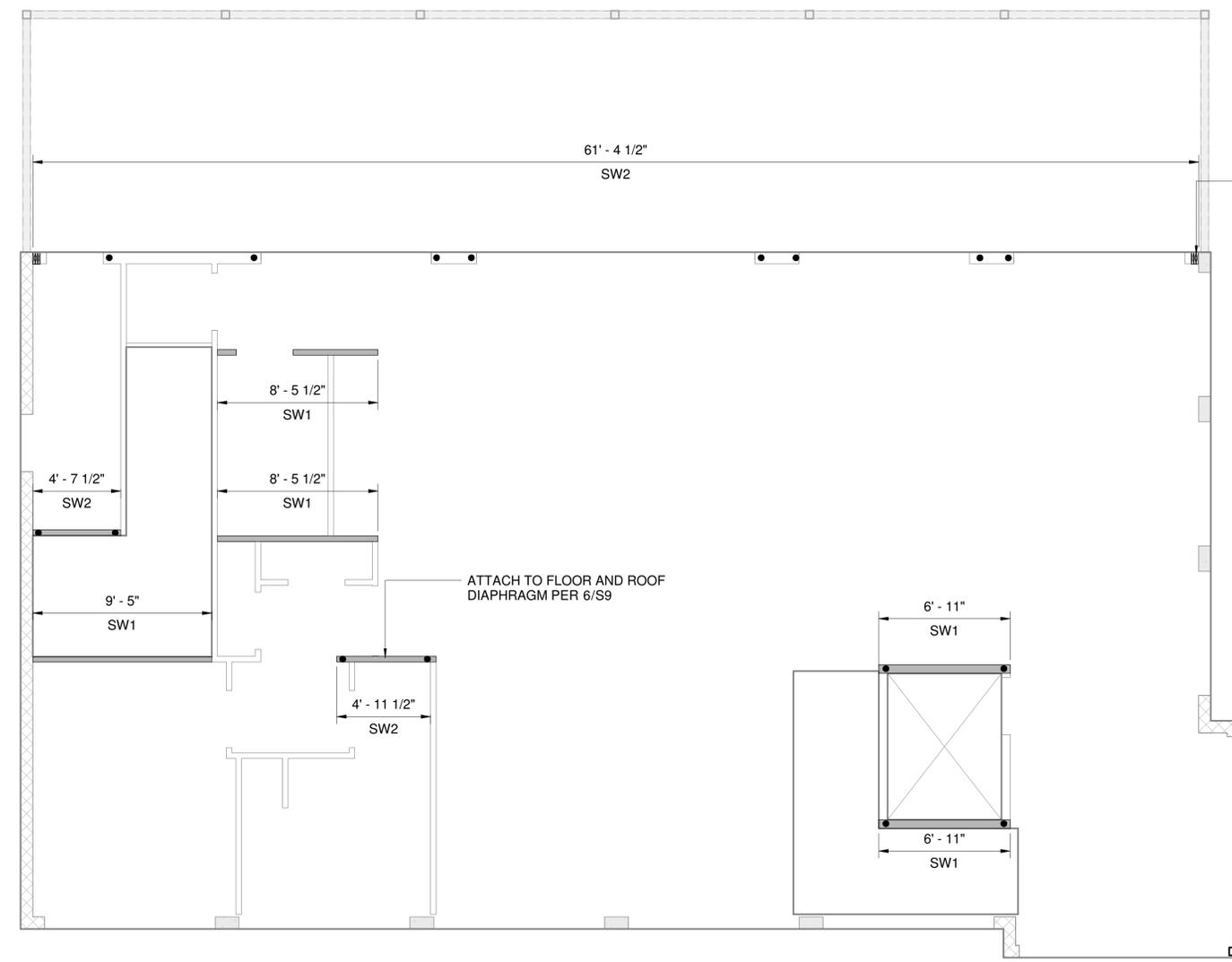
1 FIRST FLOOR SHEAR WALL LAYOUT  
 1/4" = 1'-0"

NOTES:

- ALL EXTERIOR WALLS NOT SPECIFICALLY DESIGNATED ON PLANS SHALL BE TYPE "SW1".
- WHERE PANELS ARE APPLIED ON BOTH FACES OF SHEAR WALL, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS. ALTERNATIVELY, THE WIDTH OF THE NAILED FACE OF FRAMING MEMBERS SHALL BE 3" NOMINAL OR GREATER AT ADJOINING PANEL EDGES AND NAILS AT ALL PANEL EDGES SHALL BE STAGGERED.
- PROVIDED PARAMETERS ARE MINIMUM ALLOWABLE.
- - INDICATES APPROXIMATE LOC. OF 5/8"Ø ALL THREAD HOLDOWN. LOCATE UPLIFT DEVICE WITHIN A FOOT OF EVERY CORNER AND WALL OPENING, AND AS SHOWN ON PLANS.
- ▬ - INDICATES LOCATION OF 2X FRAMED INTERIOR SHEAR WALL. CONTINUOUSLY (DON'T BREAK SHEATHING @ INTERIOR WALLS) SHEATH WITH 15/32" APA RATED SHEATHING. ATTACH FLOOR AND/OR ROOF DIAPHRAGM TO ALL SHEAR WALLS.

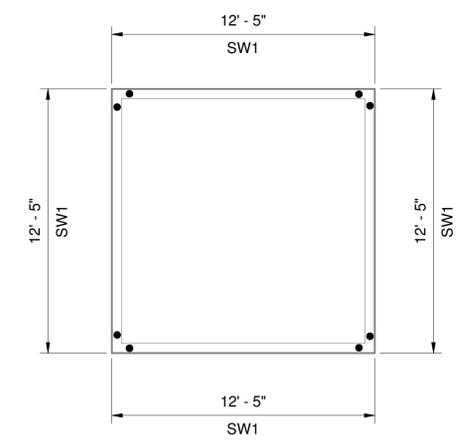
WOOD FRAMED SHEAR WALL SCHEDULE

MARK	SHEATHING	EDGE NAILING	FIELD NAILING	SIDE	BASE PLATE CONNECTION	
					WOOD	CONCRETE
SW1	15/32" PLYWOOD SHEATHING	10d (3"X0.128") @ 3" O/C	10d (3"X0.128") @ 12" O/C	1	(3) 10d NAILS 12" O/C MAX.	5/8" Ø ANCHOR 24" O/C MAX.



ATTACH STUD PACK TO C816  
W/ 1/2" Ø SIMPSON TITEN ANCHOR  
@ 24" O/C MAX. PROVIDE 2"  
EDGE DISTANCE, TYP.

1 SECOND FLOOR SHEAR WALL LAYOUT  
1/4" = 1'-0"



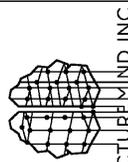
2 TOWER LEVEL SHEAR WALL LAYOUT  
1/4" = 1'-0"

NOTES:

- ALL EXTERIOR WALLS NOT SPECIFICALLY DESIGNATED ON PLANS SHALL BE TYPE "SW1".
- WHERE PANELS ARE APPLIED ON BOTH FACES OF SHEAR WALL, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS. ALTERNATIVELY, THE WIDTH OF THE NAILED FACE OF FRAMING MEMBERS SHALL BE 3" NOMINAL OR GREATER AT ADJOINING PANEL EDGES AND NAILS AT ALL PANEL EDGES SHALL BE STAGGERED.
- PROVIDED PARAMETERS ARE MINIMUM ALLOWABLE.
- - INDICATES APPROXIMATE LOC. OF 5/8" Ø ALL THREAD HOLDOWN. LOCATE UPLIFT DEVICE WITHIN A FOOT OF EVERY CORNER AND WALL OPENING, AND AS SHOWN ON PLANS.
- ▬ - INDICATES LOCATION OF 2X FRAMED INTERIOR SHEAR WALL. CONTINUOUSLY (DON'T BREAK SHEATHING @ INTERIOR WALLS) SHEATH WITH 15/32" APA RATED SHEATHING. ATTACH FLOOR AND/ OR ROOF DIAPHRAGM TO ALL SHEAR WALLS.

WOOD FRAMED SHEAR WALL SCHEDULE

MARK	SHEATHING	EDGE NAILING	FIELD NAILING	SIDE	BASE PLATE CONNECTION	
					WOOD	CONCRETE
SW1	15/32" PLYWOOD SHEATHING	10d (3"X0.128") @ 3" O/C	10d (3"X0.128") @ 12" O/C	1	(3) 10d NAILS 12" O/C MAX.	5/8" Ø ANCHOR 24" O/C MAX.
SW2	15/32" PLYWOOD SHEATHING	10d (3"X0.128") @ 3" O/C	10d (3"X0.128") @ 12" O/C	2	(3) 10d NAILS 6" O/C MAX.	5/8" Ø ANCHOR 24" O/C MAX.



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DAVID TAJIB

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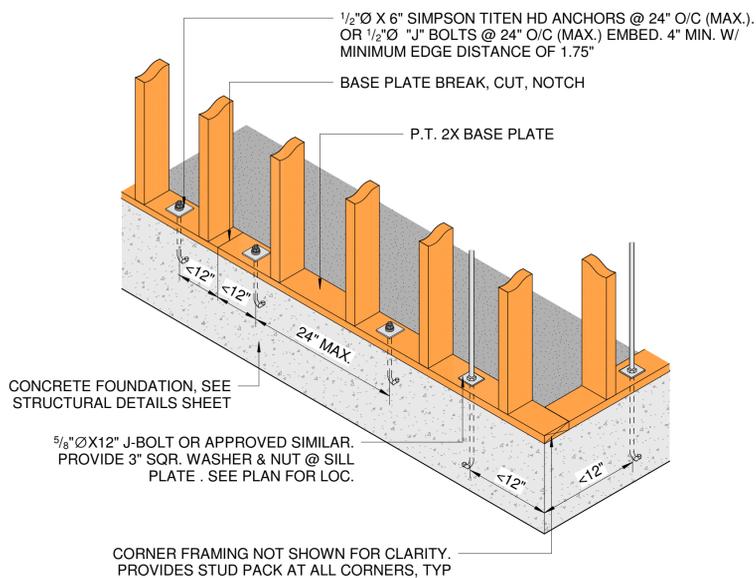
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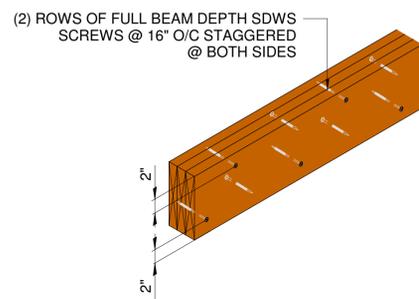
TYPICAL DETAILS

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DATE: 2/21/2026

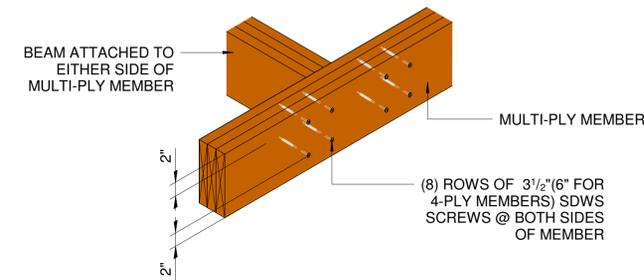
S9



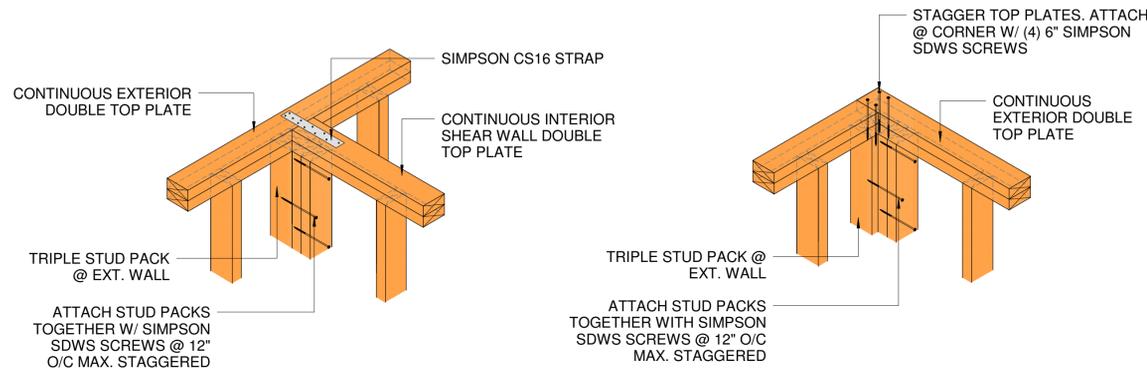
1 TYP. BASE PLATE ATTACHMENT DETAIL



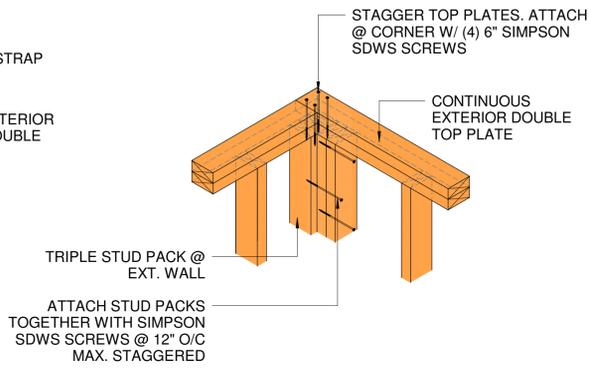
2 MULTI-PLY MEMBER SCREW PATTERN CONNECTION DETAIL



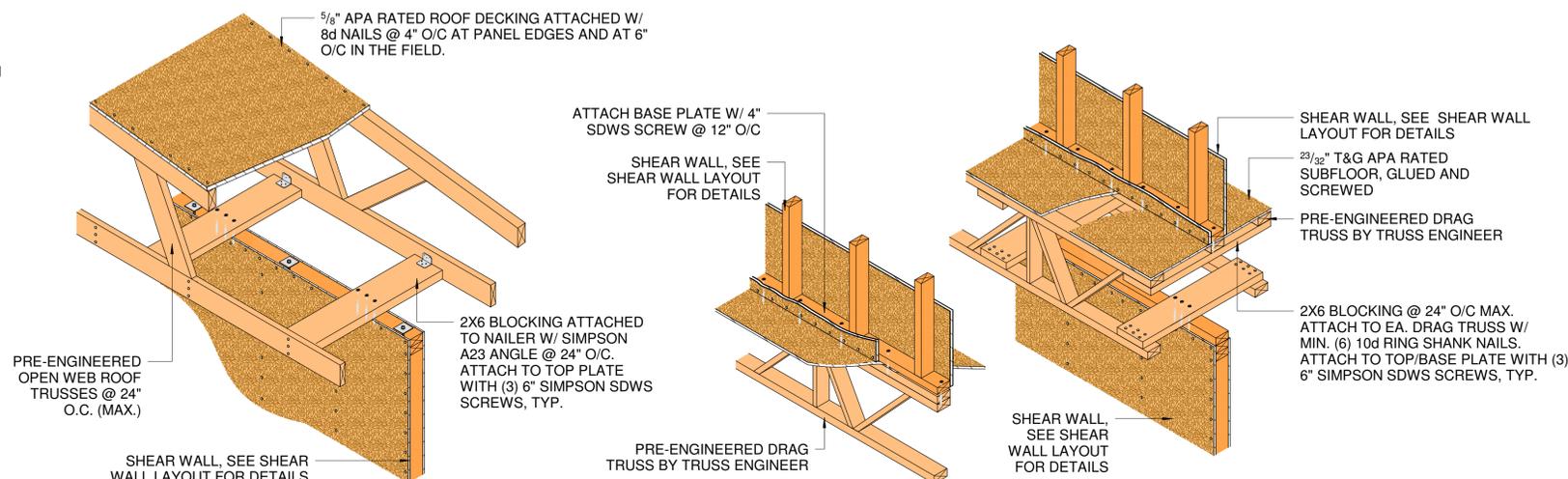
3 MULTI-PLY MEMBER SCREW PATTERN CONNECTION DETAIL @ POINT LOAD APPLIED TO EITHER SIDE OF MEMBER



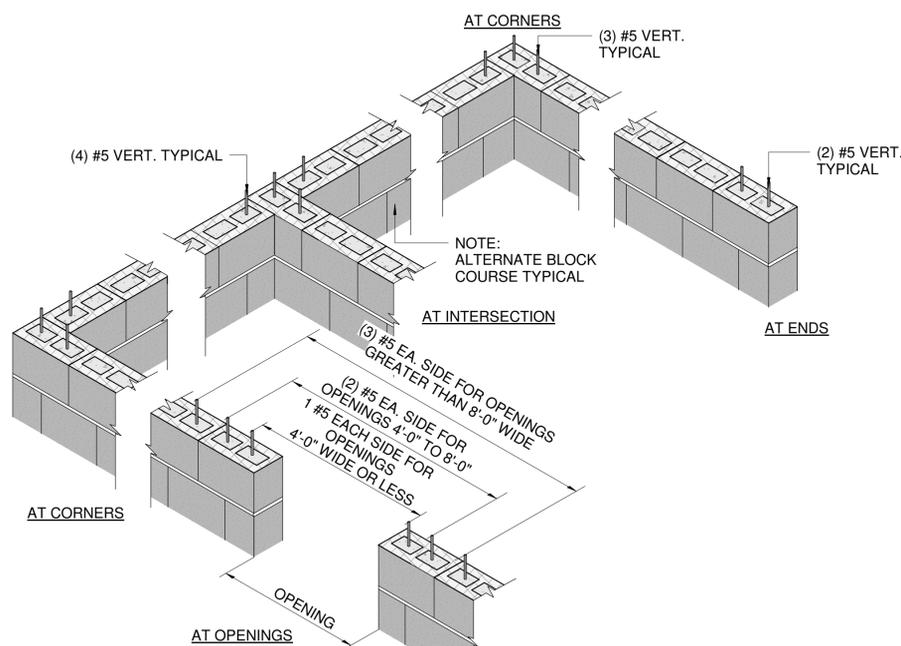
4 SHEAR WALL TOP PLATE CONNECTION DETAIL @ EXTERIOR WALL



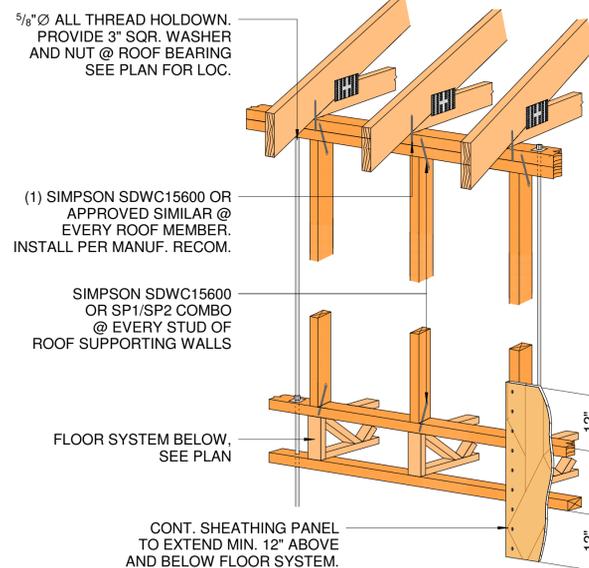
5 TYP. TOP PLATE SPLICE @ CORNER



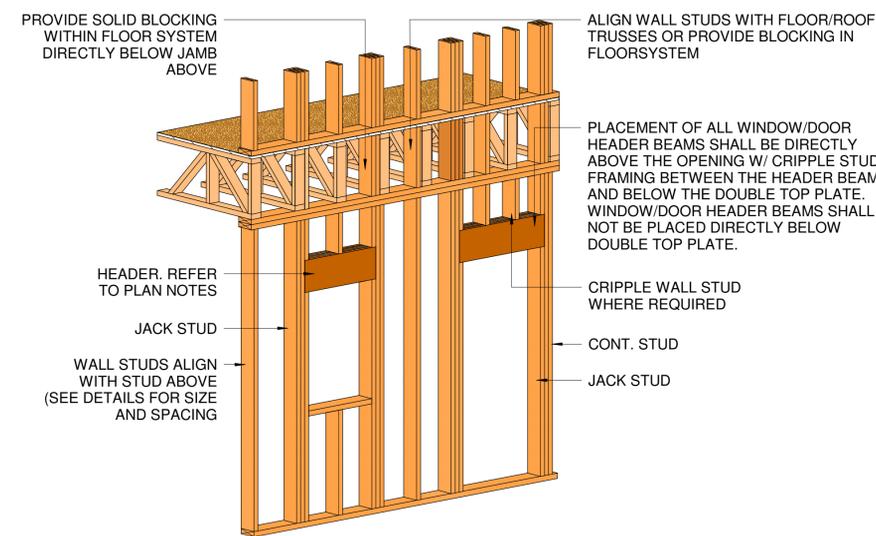
6 TYP. FLOOR/ROOF TO SHEAR WALL CONNECTION DETAILS



7 TYP. CMU WALL REINFORCING LAYOUT



8 TYP. CONNECTION DETAIL @ ROOF SUPPORTING STUDS



ROUGH OPENING FRAMING TABLE					
UP TO 3'-0" R.O.		3'-1" TO 6'-0" R.O.		6'-1" TO 10'-0" R.O.	
CONT.	JACK	CONT.	JACK	CONT.	JACK
2-2X6	1-2X6	3-2X6	2-2X6	4-2X6	3-2X6

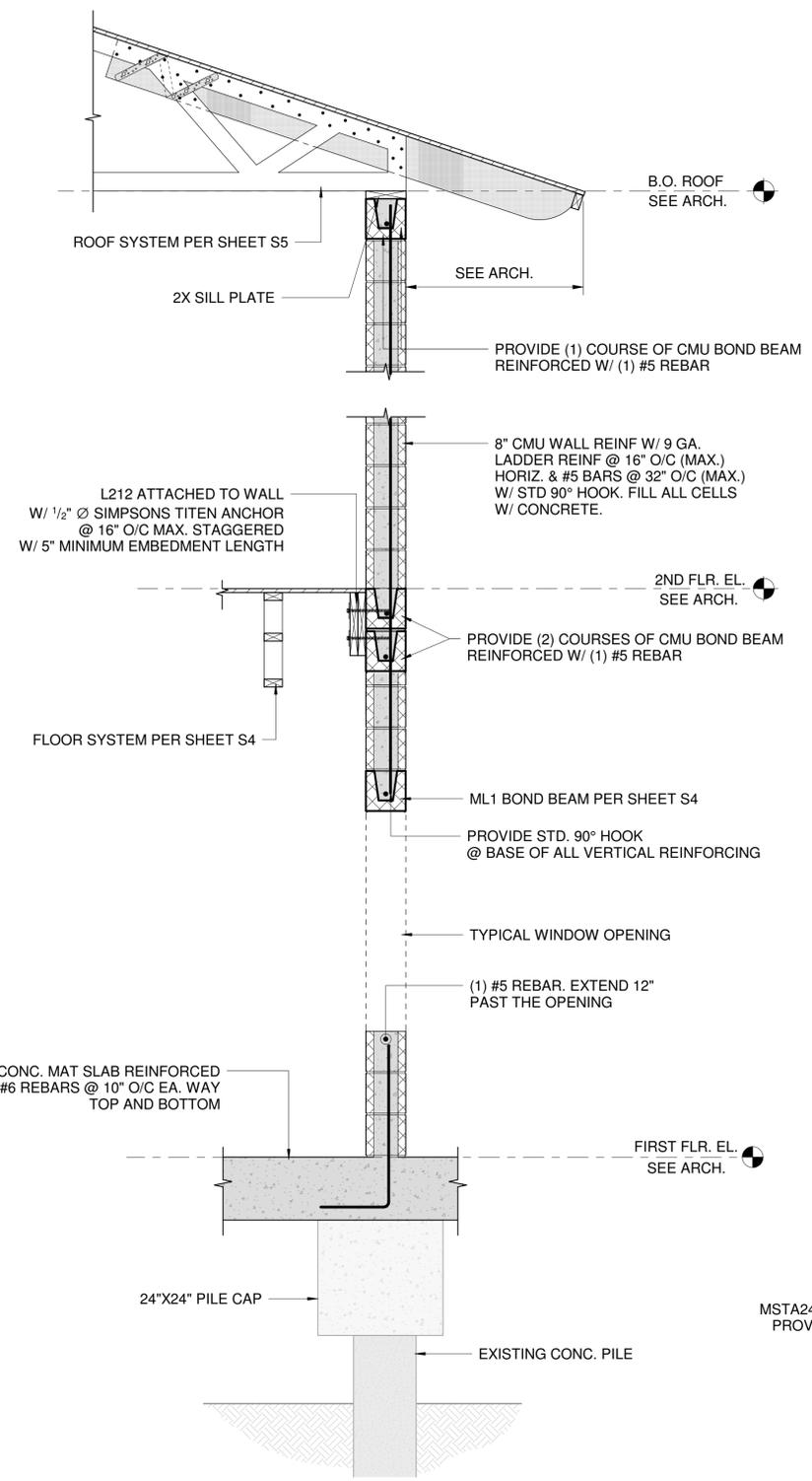
9 TYPICAL WALL FRAMING DETAIL @ HEADERS

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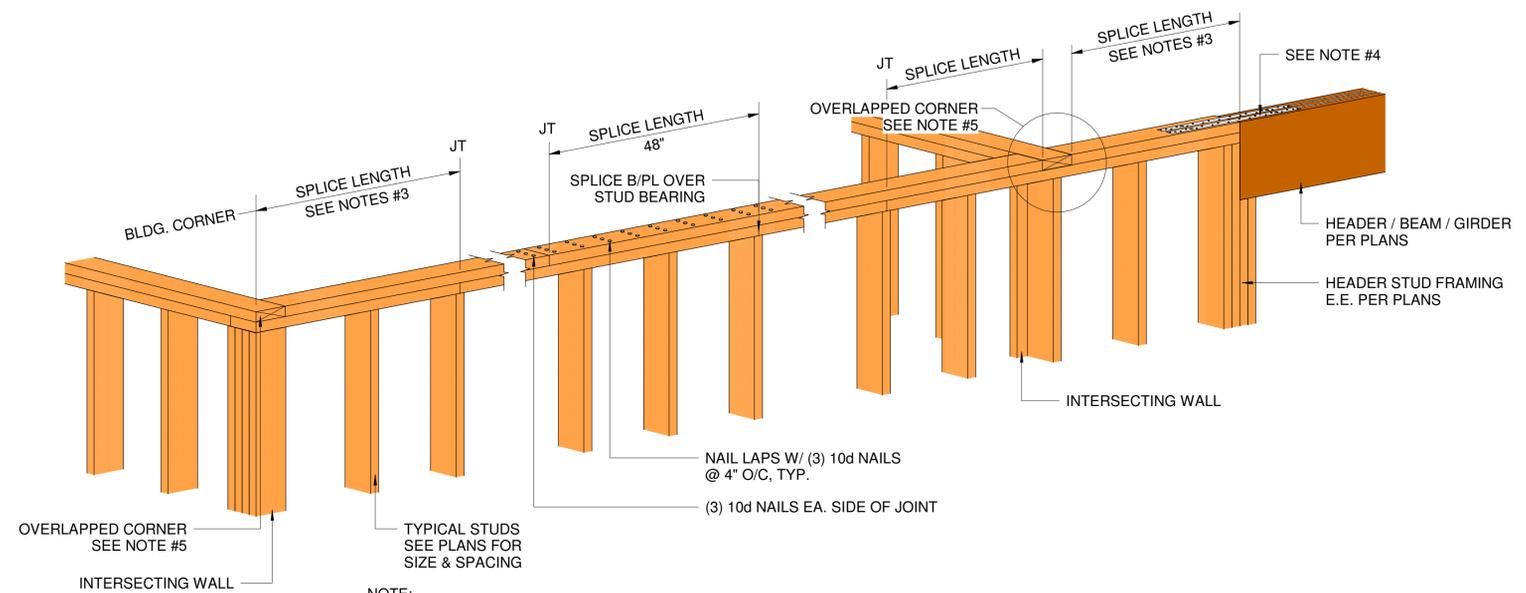
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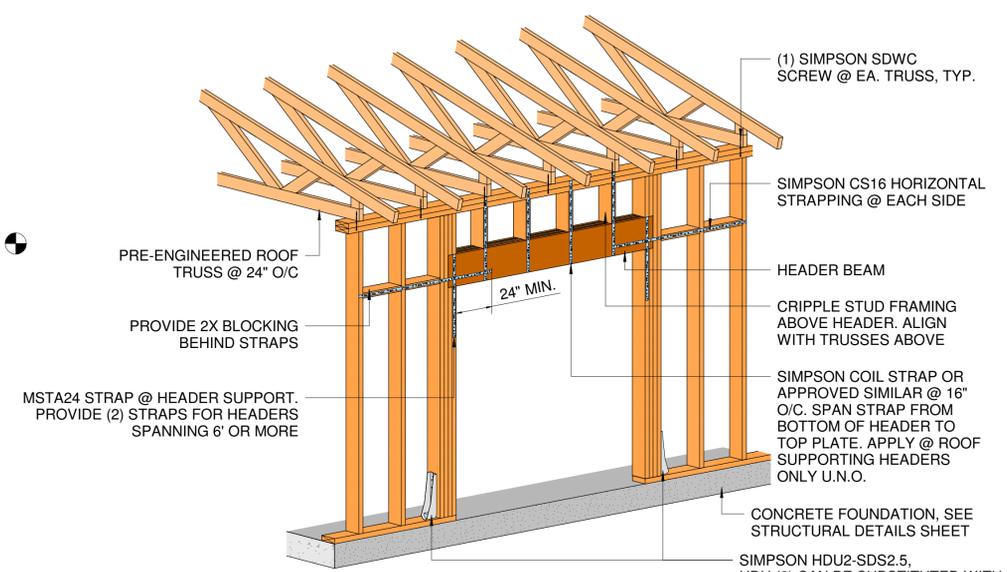
1 TYPICAL CMU WALL SECTION



NOTE:

- WOOD STUD WALLS SHALL BE CAPPED WITH A DOUBLE TOP PLATE INSTALLED TO PROVIDE OVERLAPPING AT CORNERS AND INTERSECTIONS WITH BEARING PARTITIONS.
- NAIL TOP PLATE MEMBERS ALONG LENGTH WITH (2) 10D BOX (3" X 0.128" OR 3" X 0.131") NAILS @ 12" O/C.
- END JOINTS IN TOP PLATES SHALL BE OFFSET NOT LESS THAN 24 INCHES.
- OMISSION OF THE TOP PLATE IS PERMITTED OVER HEADERS WHERE THE HEADERS ARE ADEQUATELY TIED TO ADJACENT WALL SECTIONS USING A (2) SIMPSON LSTA24 STRAPS. FILL ALL HOLES W/ 10d NAILS.
- CONNECT TOP PLATE LAPPED CORNERS AND INTERSECTIONS WITH MIN. (5) 10d NAILS.
- ALL WALL FRAMING MEMBER CONNECTIONS NOT NOTED OR SHOWN SHALL MEET THE MINIMUM REQUIREMENTS OF 2023 FBC TABLE R602.3(1) FASTENING SCHEDULE U.N.O.

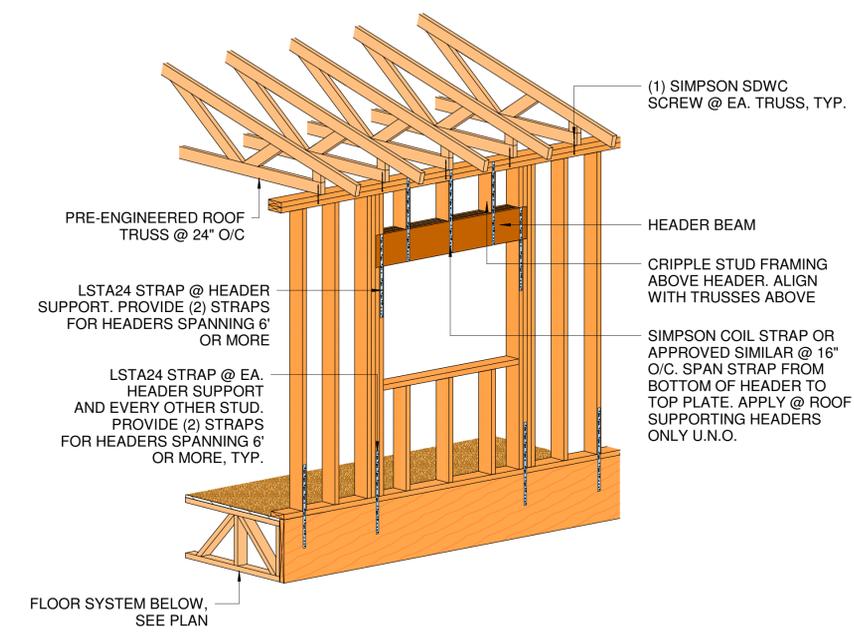
2 TOP PLATE SPLICING DETAIL



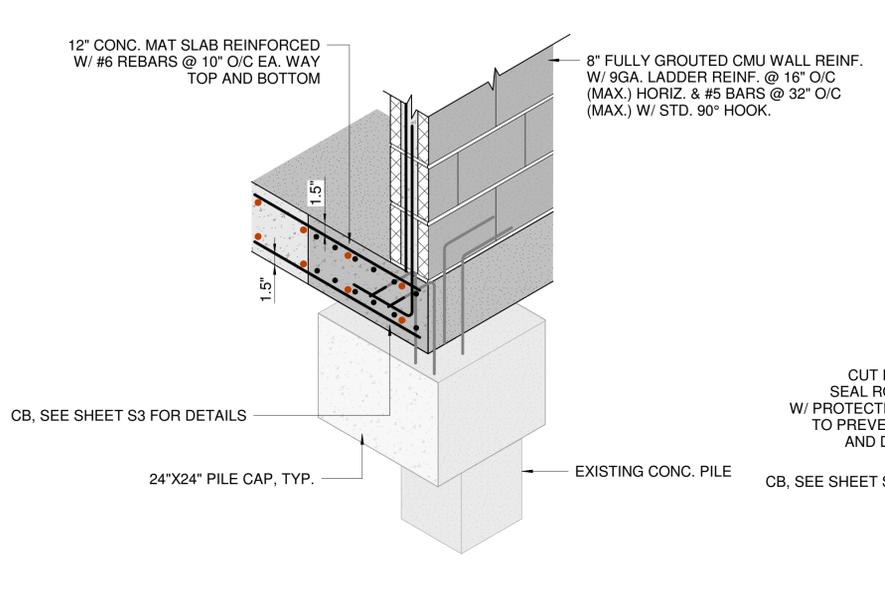
NOTE:

- HORIZONTAL BRACING APPLIES TO ALL HEADERS @ OPENINGS LARGER THAN 8'-0".

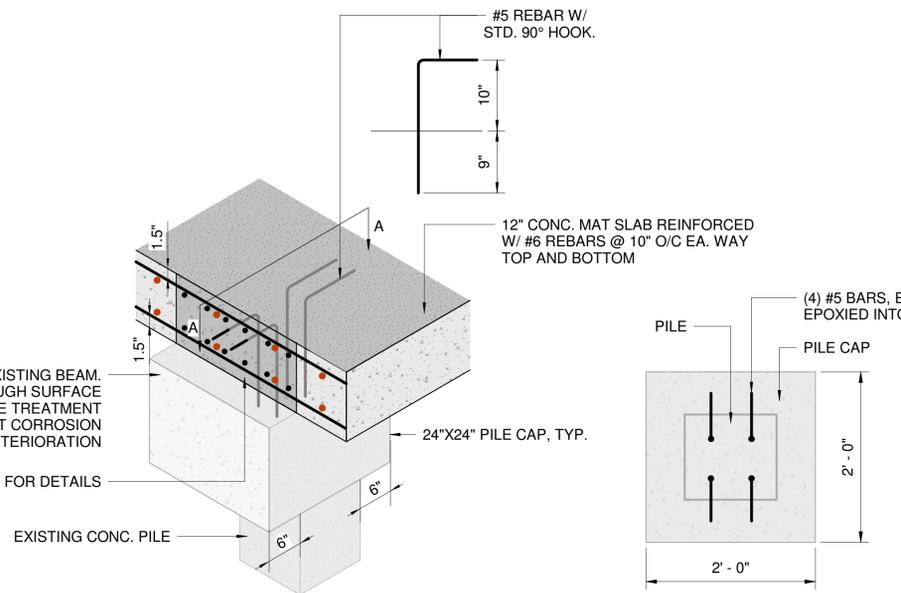
3 TYP. DOOR HEADER BRACING DETAIL



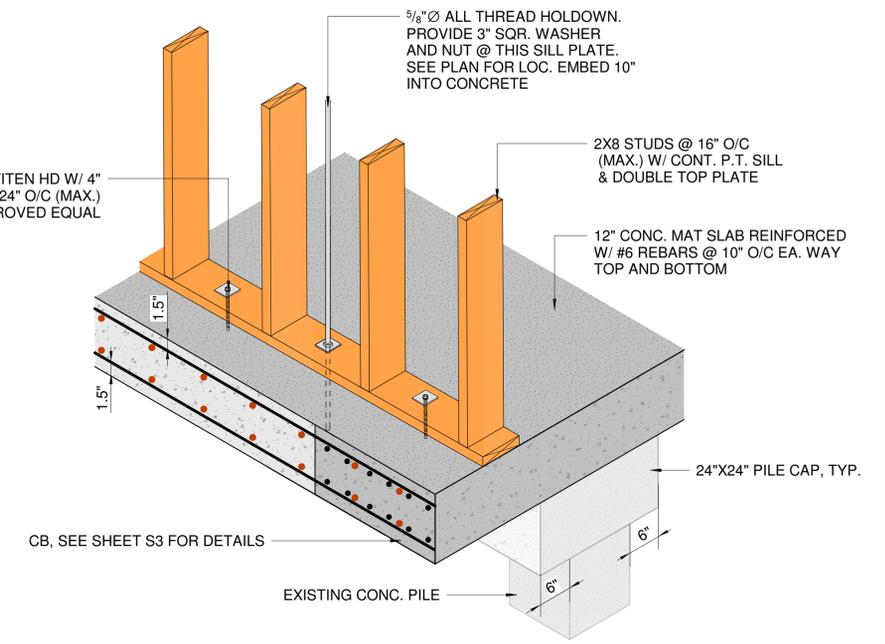
4 TYP. HEADER BRACING DETAIL @ ROOF



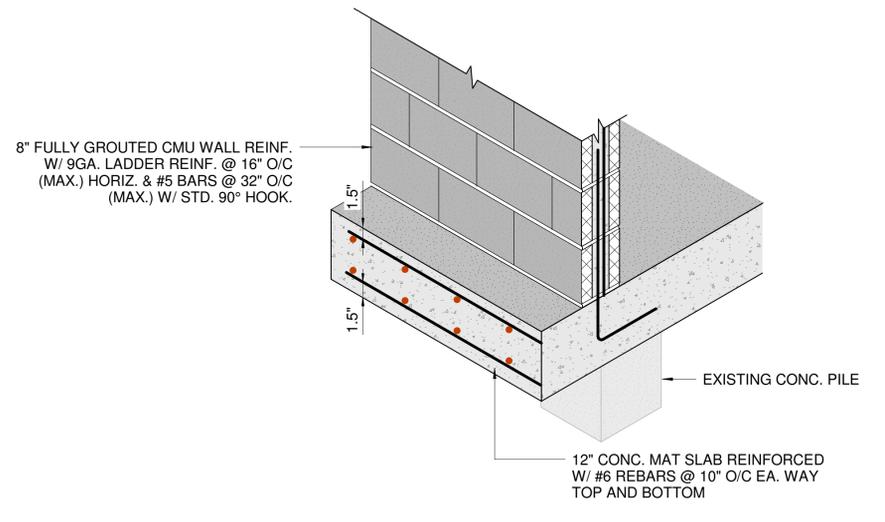
1 FOUNDATION DETAIL @ EXTERIOR WALL



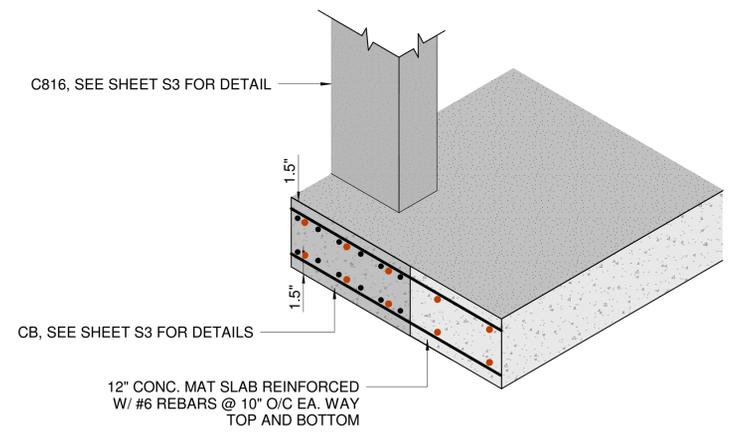
2 TYP. PILE CAP AND SLAB DETAIL



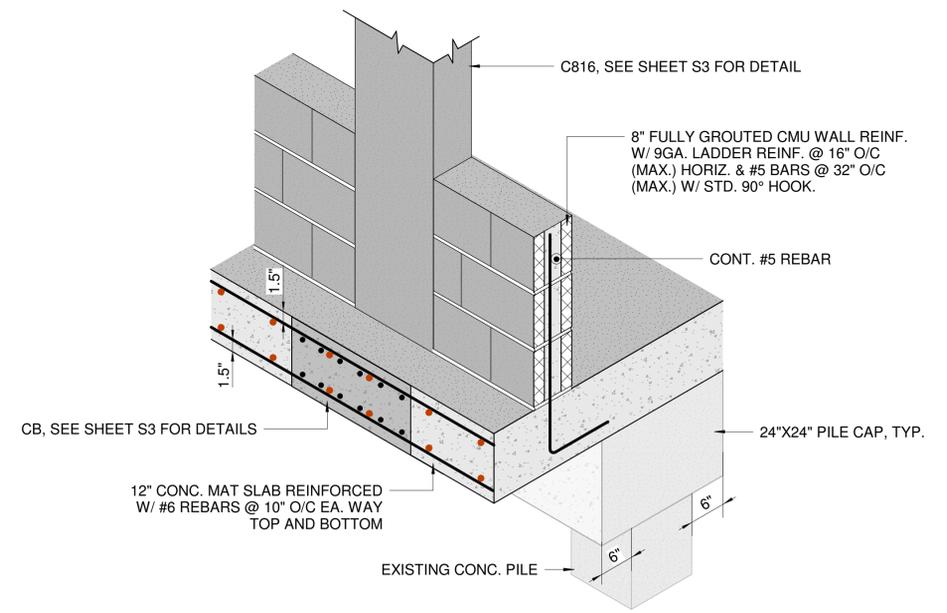
3 FOUNDATION DETAIL @ INTERIOR FLOOR SLAB



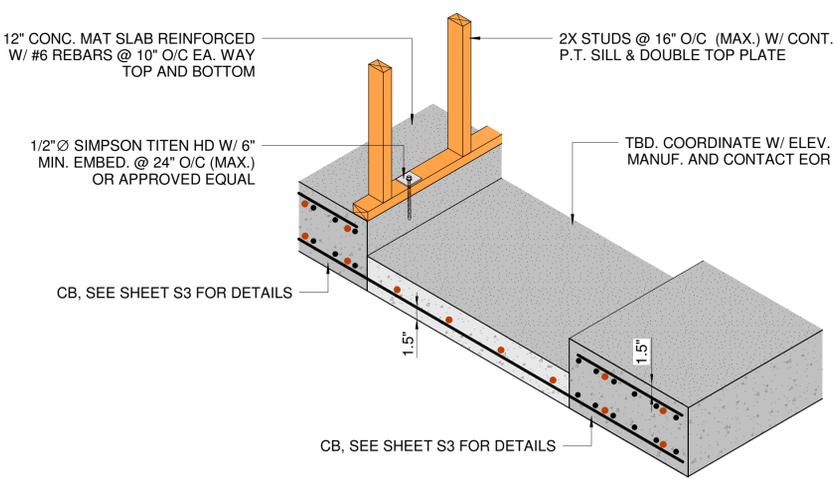
4 FOUNDATION DETAIL @ EXTERIOR WALL



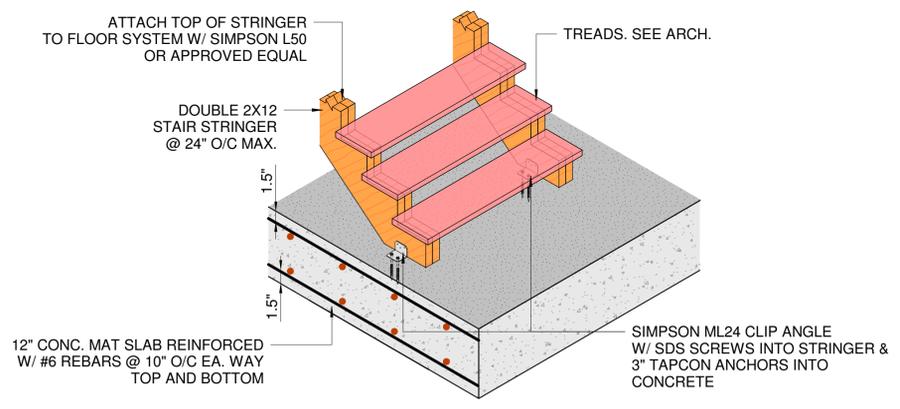
5 FOUNDATION DETAIL @ OPENING



6 FOUNDATION DETAIL @ CMU COLUMN

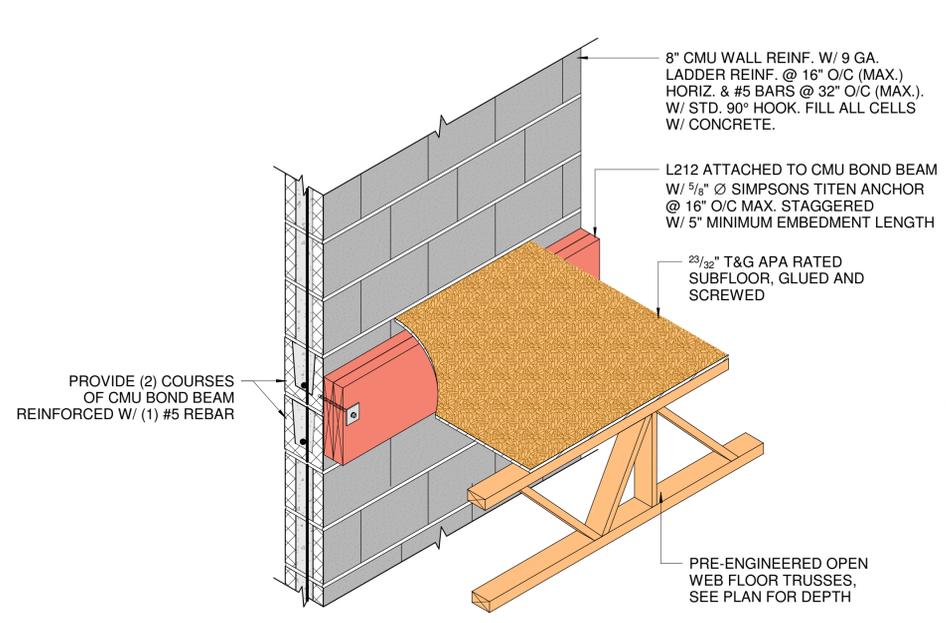


7 FOUNDATION DETAIL @ ELEVATOR PIT

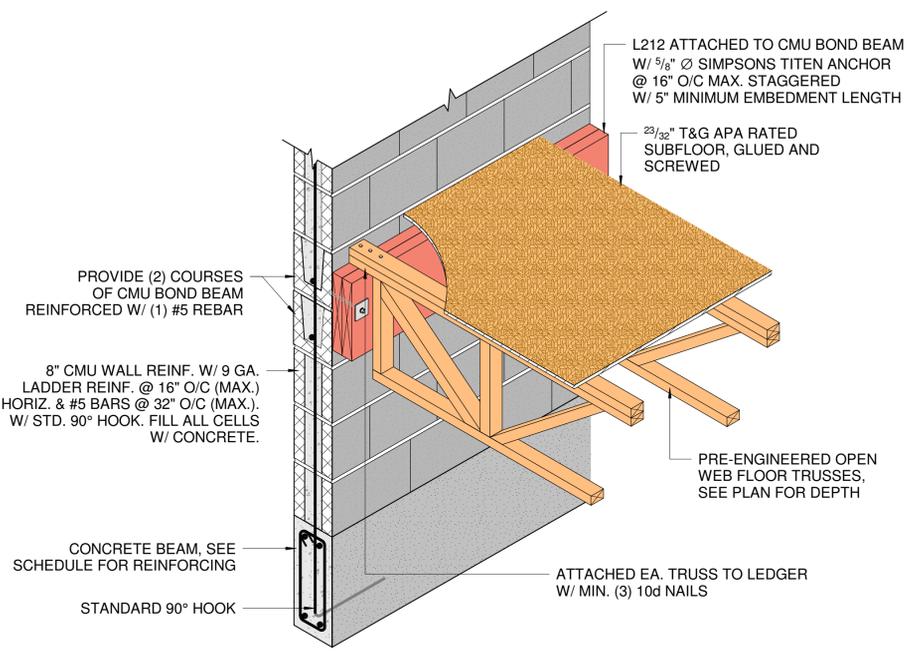


8 TYP. SLAB DETAIL @ STAIR

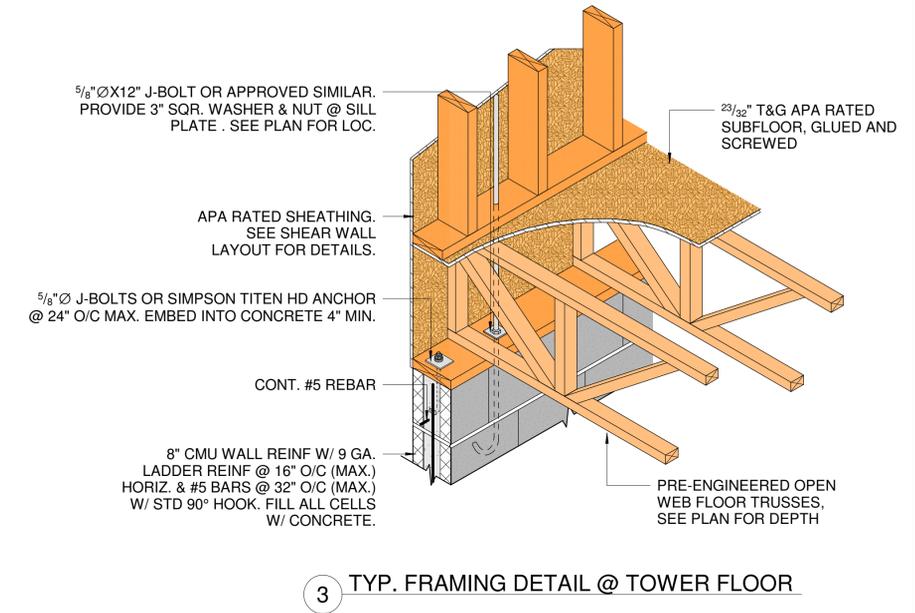
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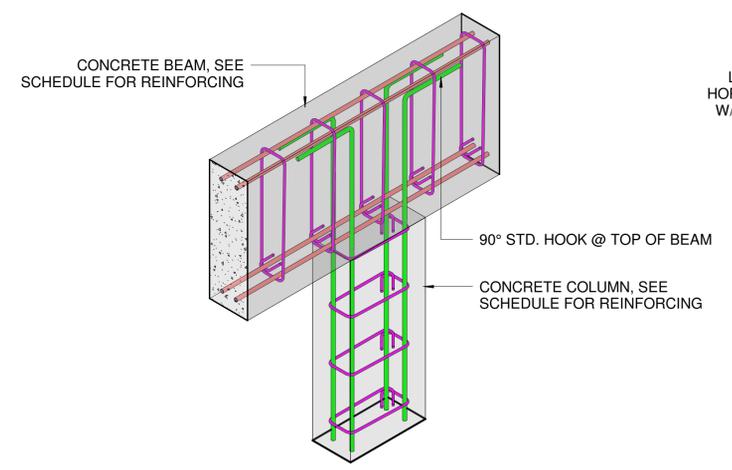
1 TYP. FRAMING DETAIL @ EXT. WALL



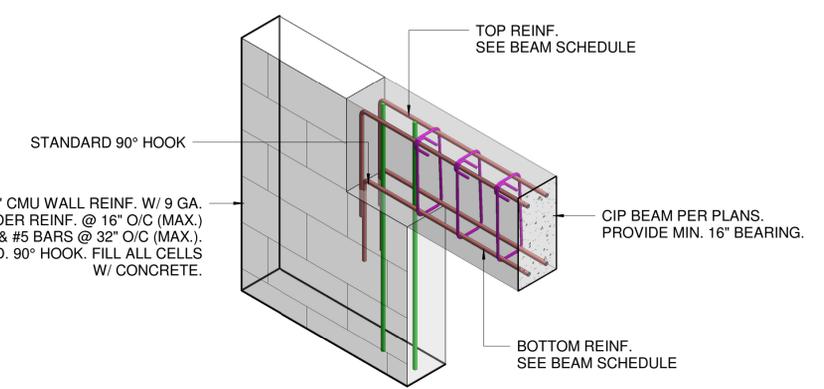
2 TYP. FRAMING DETAIL @ EXT. WALL



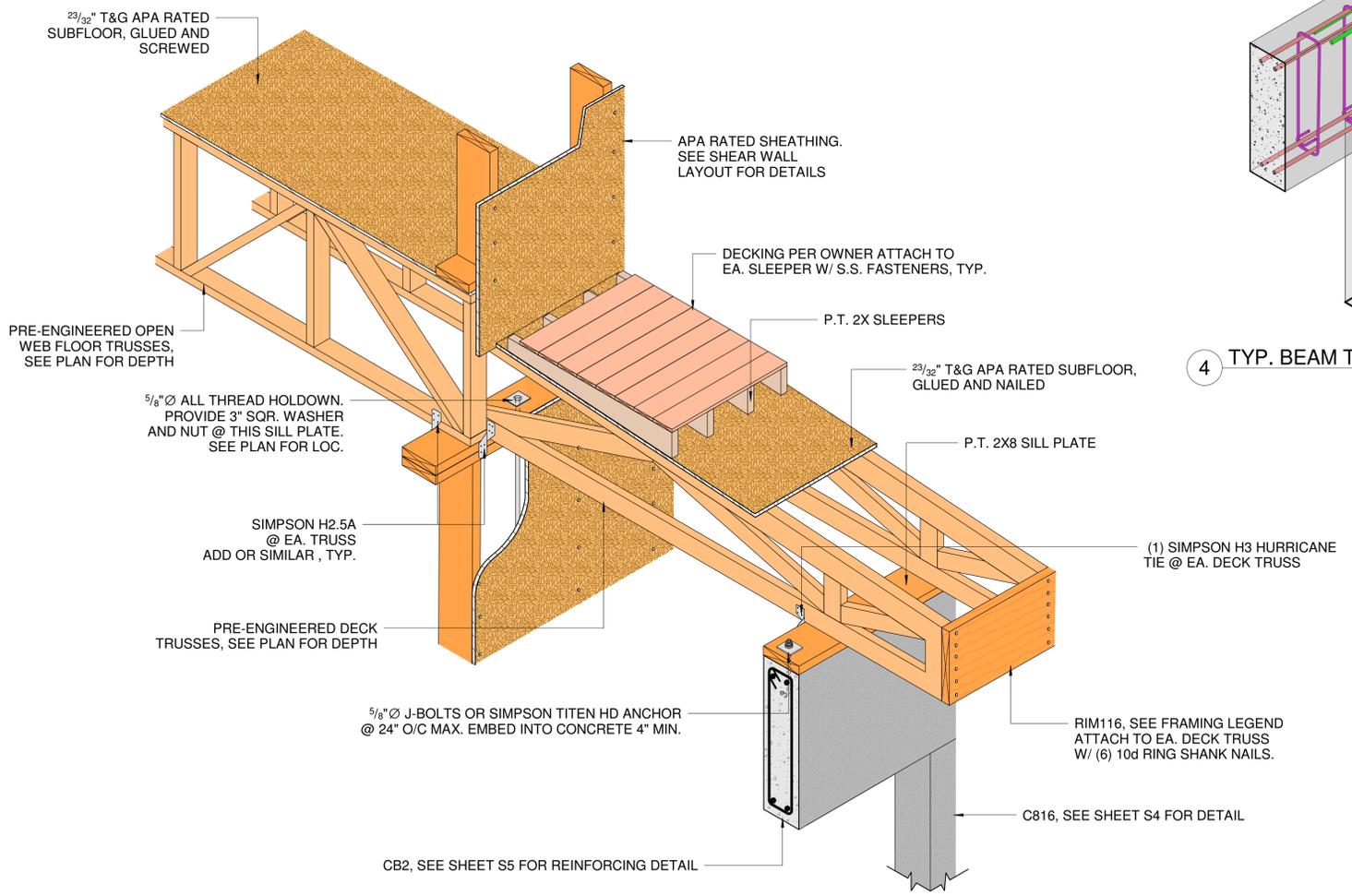
3 TYP. FRAMING DETAIL @ TOWER FLOOR



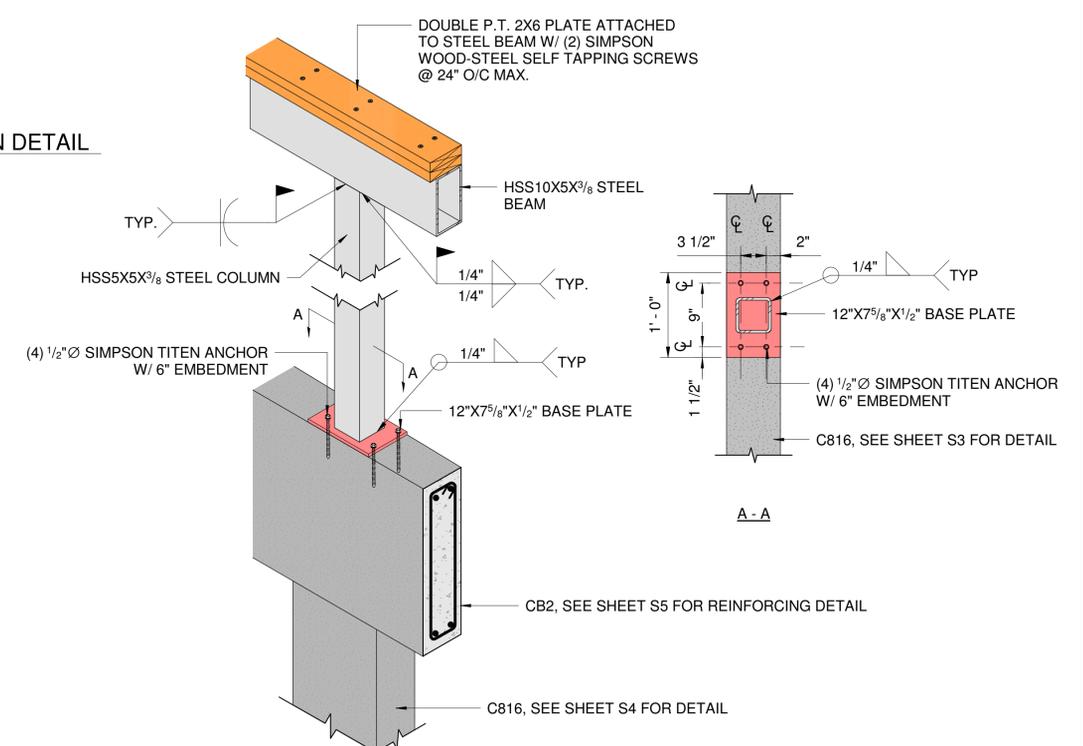
4 TYP. BEAM TO COLUMN CONNECTION DETAIL



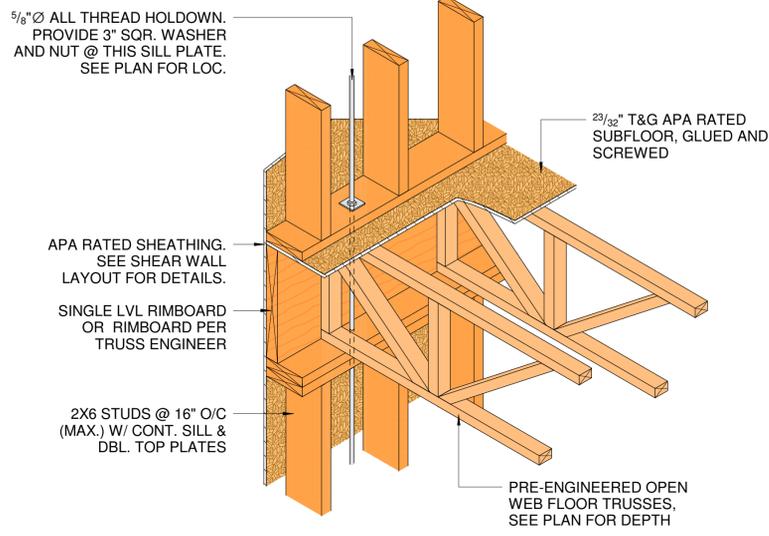
5 TYP. CIP BEAM TO WALL CONNECTION DETAIL



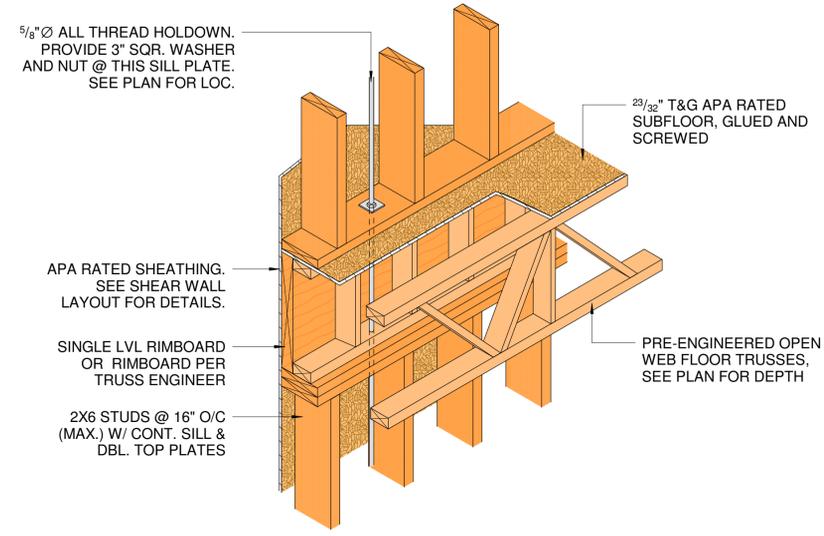
6 FRAMING DETAIL @ DECK



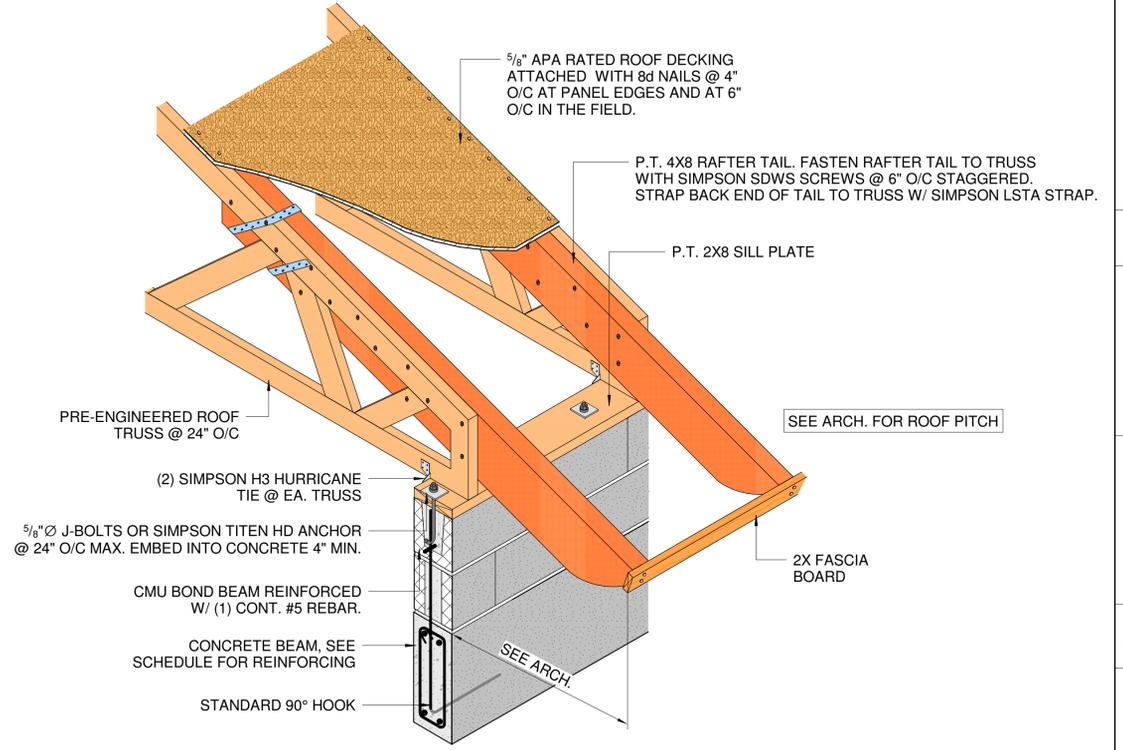
7 STEEL BEAM CONNECTION DETAILS



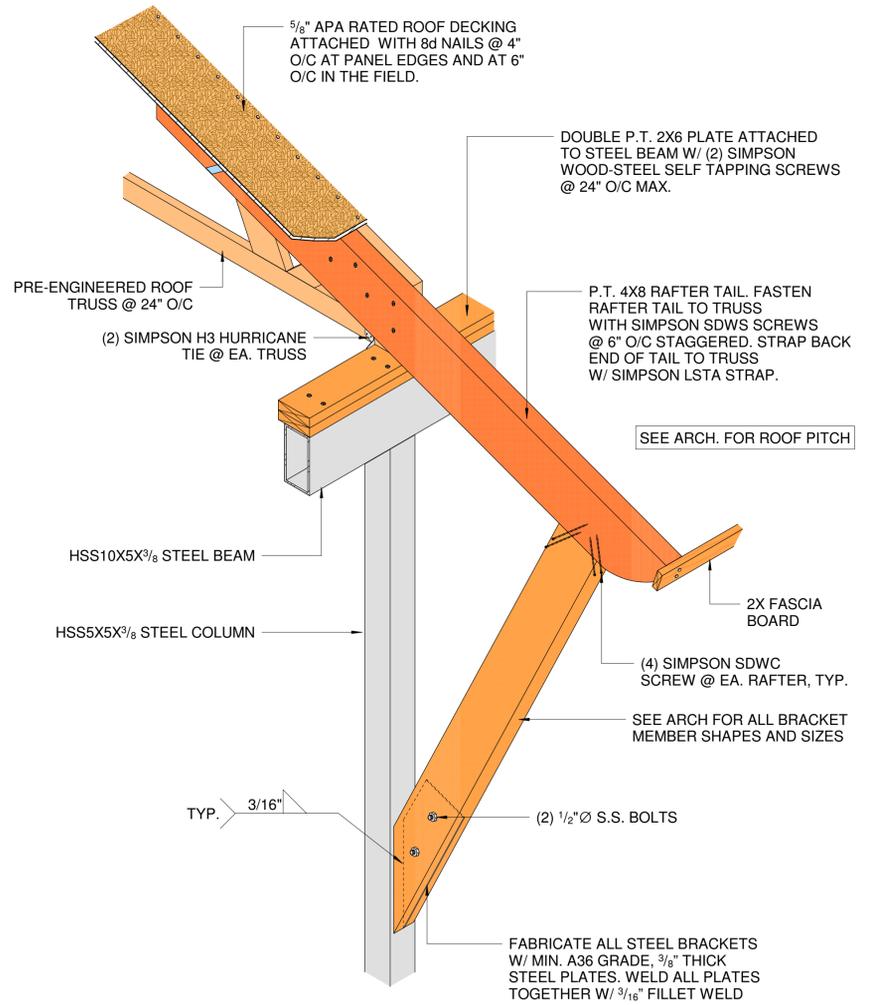
1 TYP. FRAMING DETAIL @ FLOOR



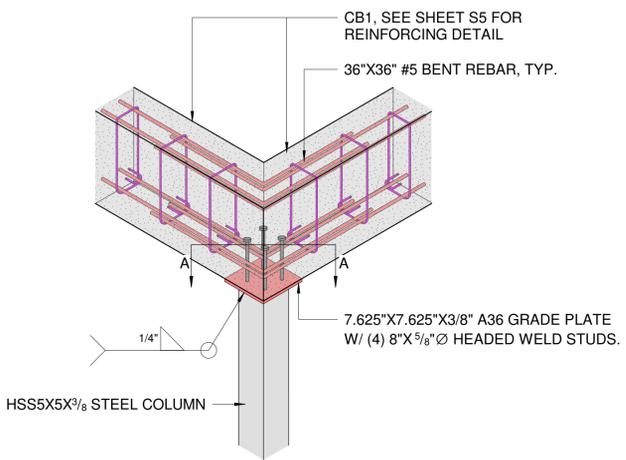
2 TYP. FRAMING DETAIL @ FLOOR



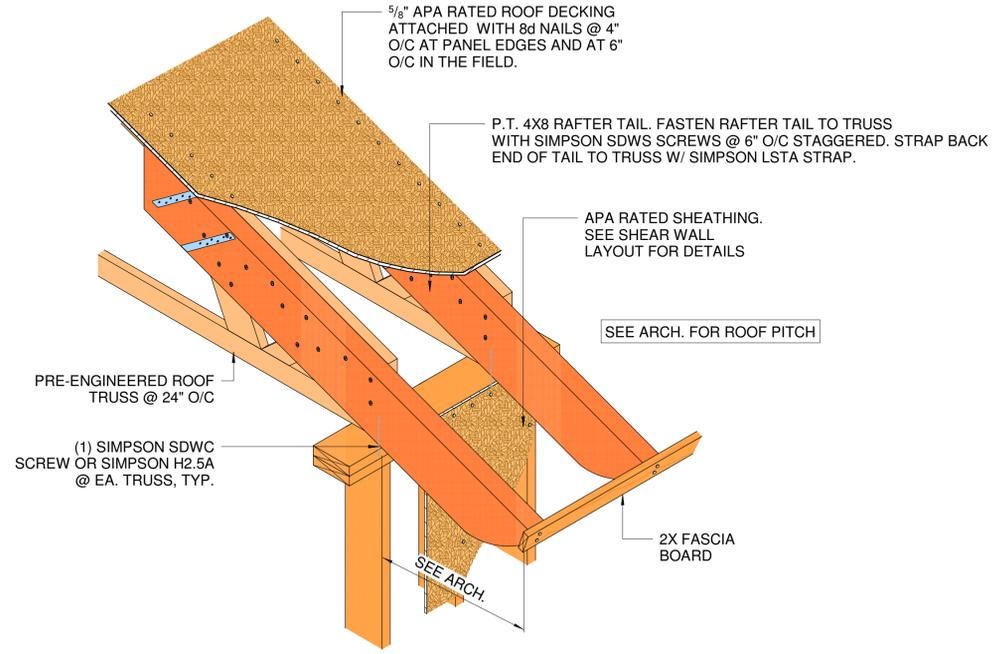
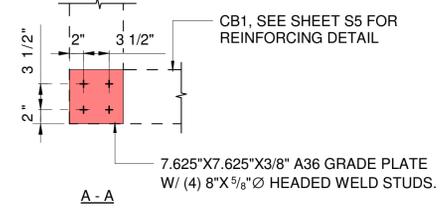
3 TYP. FRAMING DETAIL @ ROOF



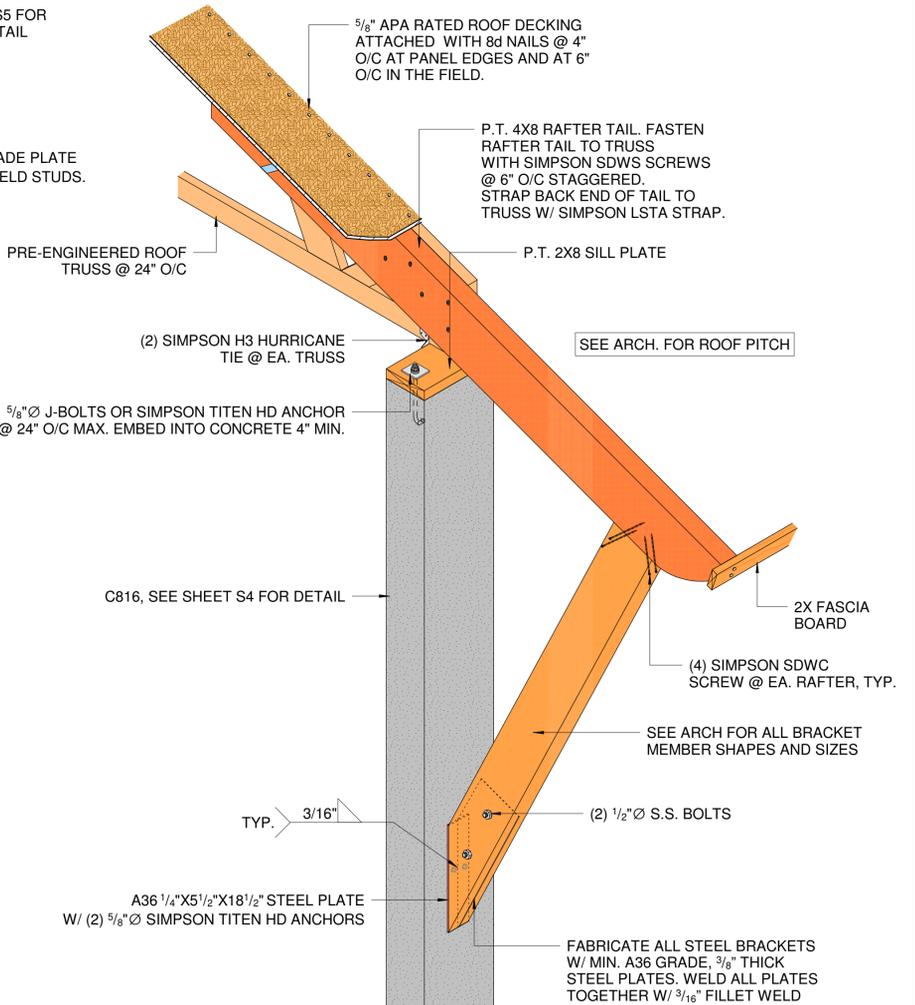
5 BRACKET DETAIL @ STEEL COLUMN



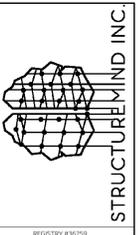
4 FRAMING DETAIL @ STEEL COLUMN



6 TYP. FRAMING DETAIL @ TOWER ROOF



7 BRACKET DETAIL @ C816



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S13