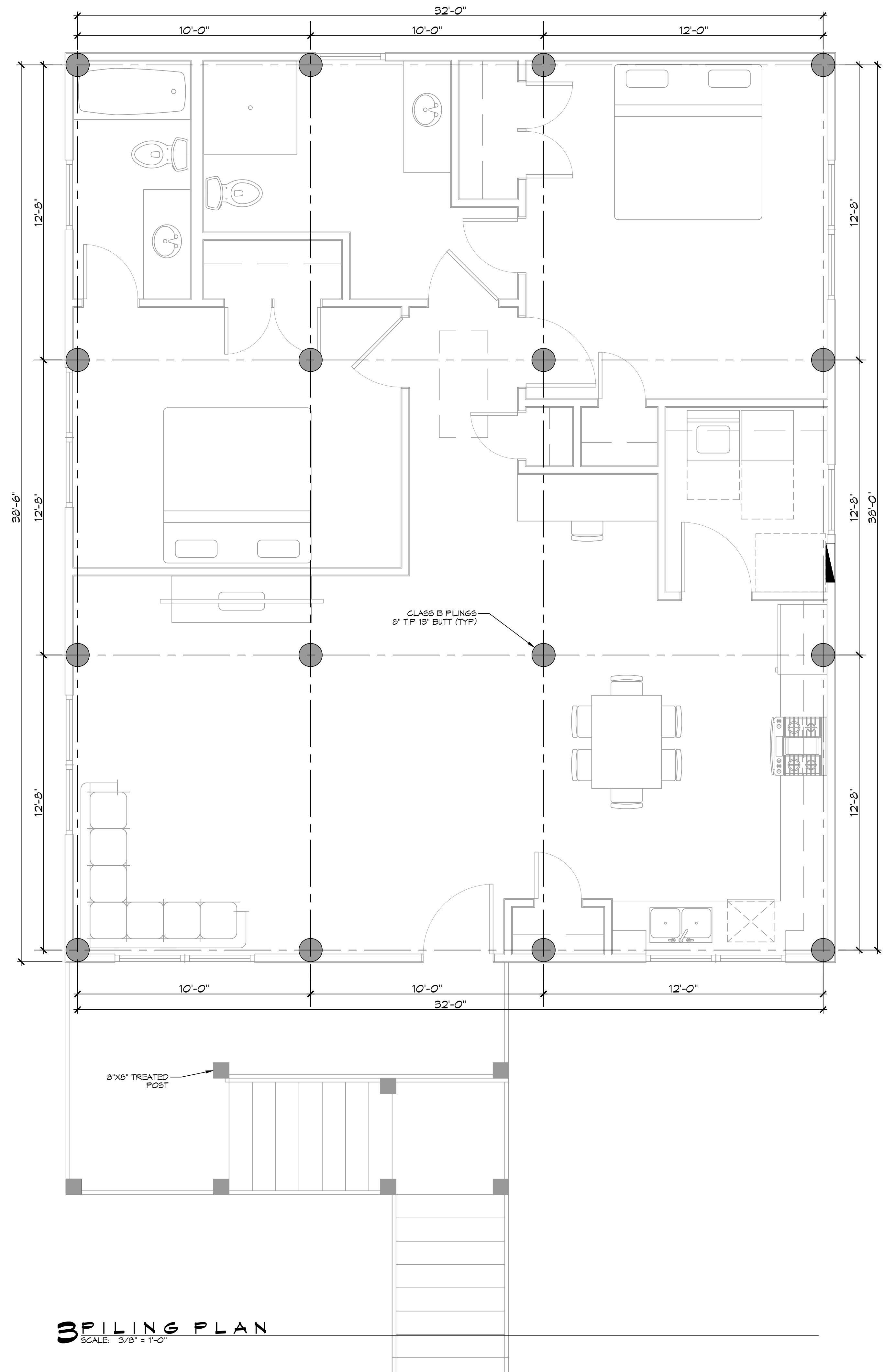


DE: MBE, A/E: Foundation & Structural (Civil/Structural), Mechanical/Plumbing/Electrical, Fire Protection, P&ID, Process, Energy, Water, 11/2024, 24/13/24

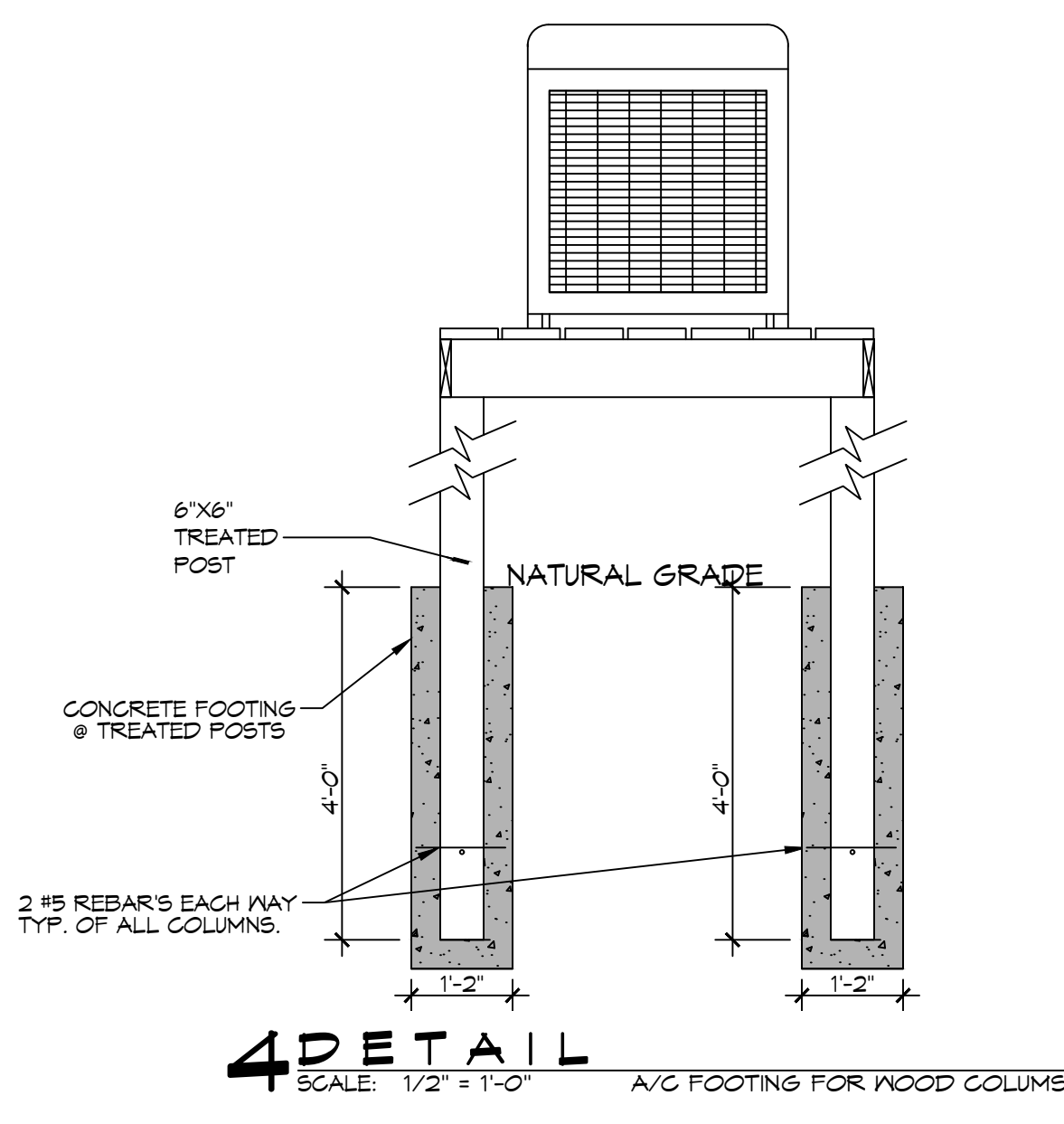


3 PILING PLAN
SCALE: 3/8" = 1'-0"

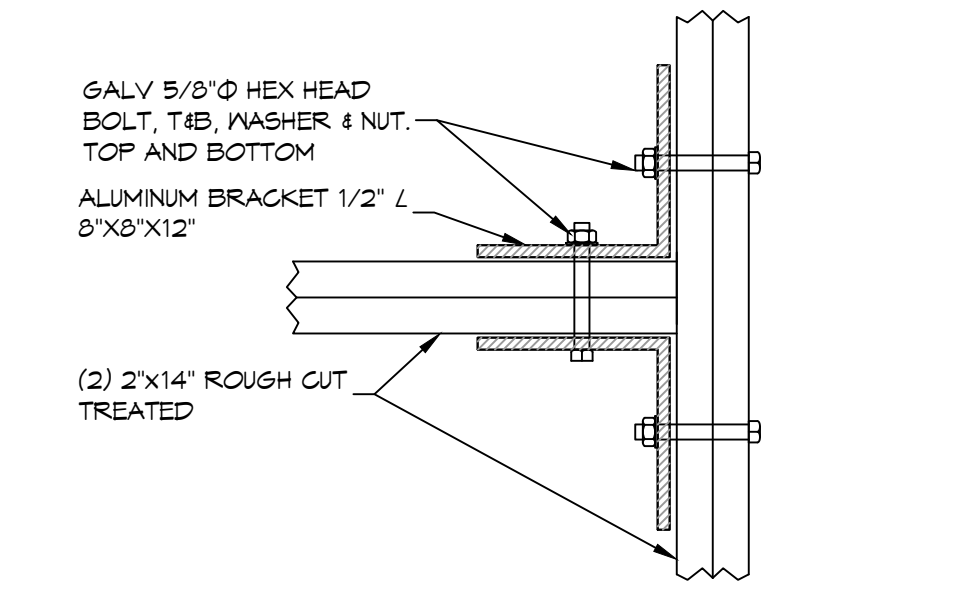
PILING COUNT
16 PILING COUNT

- PILING NOTES**
- CLASS B PILES ARE TO BE 35 FT. IN LENGTH WITH A 8" INCH TIP AND 13" BUTT, DRIVEN TO REFUSAL.
 - ALL PILES SHALL BE PRESSURE-TREATED ROUND TIMBER PILES CONFORMING TO ASTM D25.
 - DESIGN LOAD = 5 TONS PER PILE.
 - NO FIELD SUPERVISION OR INSPECTION PROVIDED UNDER THIS SEAL UNLESS OTHERWISE NOTED.
 - PILE LAYOUT MAY BE MODIFIED DUE TO ACTUAL DRIVING CONDITIONS. ENGINEER TO BE NOTIFIED ON ANY MODIFICATION.
 - A PILE BLOW COUNT LOG OF ALL PILES IS TO BE SUBMITTED TO THE ENGINEER OF RECORD. FAILURE TO SUBMIT SAID LOG WILL RELEASE THE ENGINEER OF ALL RESPONSIBILITY.
 - CONTRACTOR IS RESPONSIBLE FOR THE COMPARISON & VERIFICATION OF PILE LAYOUT DIMENSIONS WITH MOST RECENT ARCHITECTURAL DRAWINGS, ASSURING THAT PILES DO FALL WITHIN LIMITS OF THE DESIGN.
 - USE DROP HAMMER OR SINGLE ACTING AIR HAMMER DELIVERING 1,500 FT-LESS OF ENERGY PER BLOW. RAW HEIGHT OF DROP HAMMER SHALL NOT EXCEED 2,500 TO 3,000 LBS AND THE DROP SHOULD NOT EXCEED 3 FT., AT MINIMUM OF 25 BLOWS PER FOOT. IF THE DROP EXCEEDS 3 FT., CONTACT ENGINEER FOR INSTRUCTIONS.
 - BRACE ALL PILING AS NEEDED FOR SHAYING.
 - FIELD VERIFY DIMENSIONS AGAINST THE ARCHITECTURAL DRAWINGS.
 - WRAP ALL PILING AT BASE LINE.

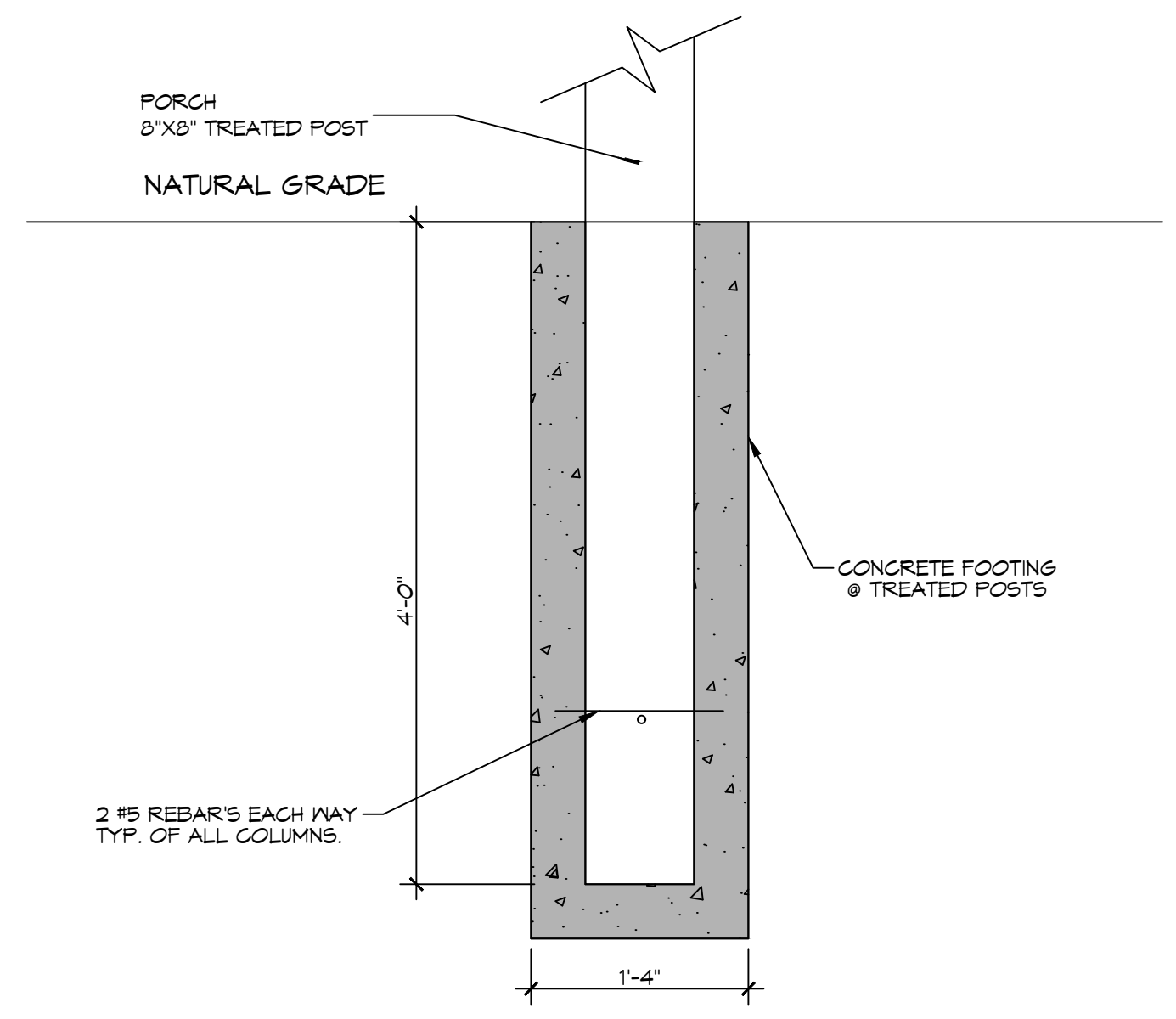
- GENERAL NOTES**
- ALL LUMBER SHALL BE PRESSURE TREATED WITH A RETENTION OF .4 PER C.F.
 - ALL FASTENERS SHALL BE HOT DIPPED GALVANIZED (HDG) PER ASTM A153.
 - ALL CONNECTORS SHALL BE HDG PER ASTM A653, CLASS 5 125 SHEET WITH 1.95 OZ/SF ZINC COATING.



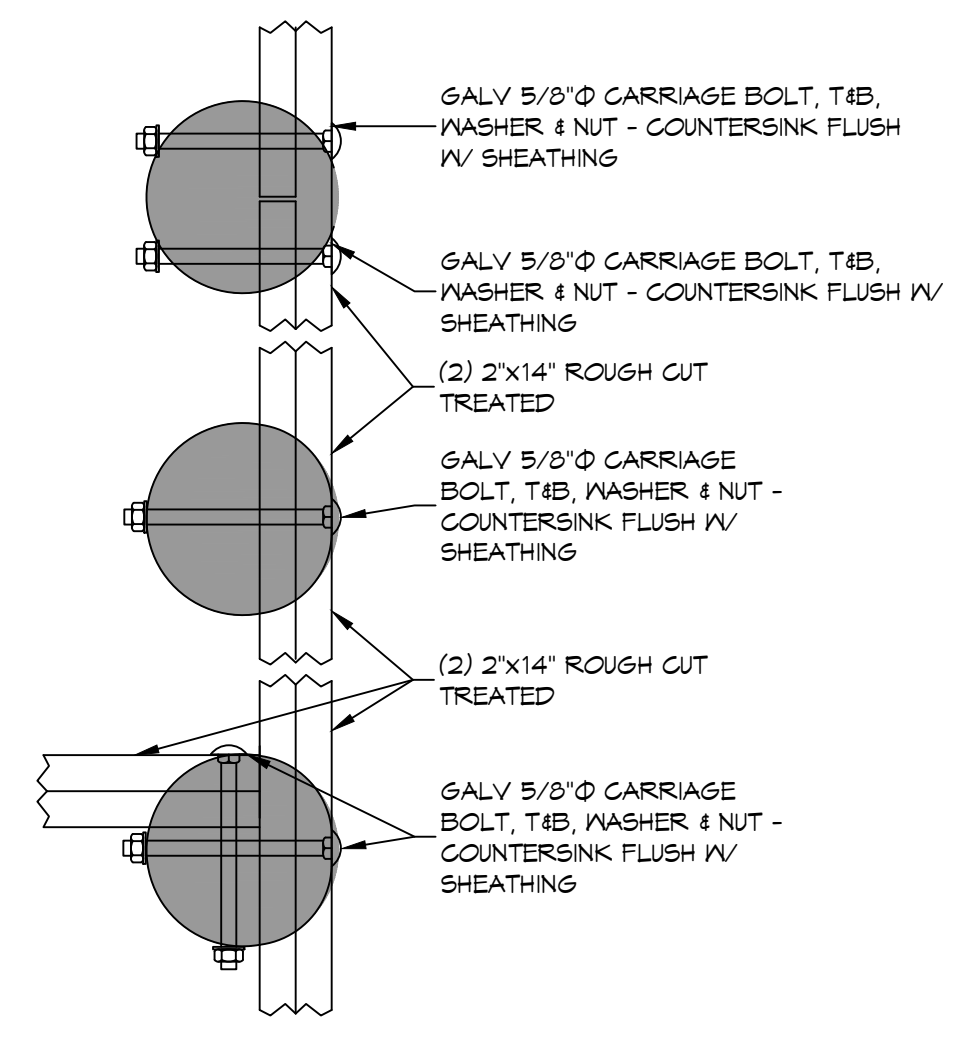
4 DETAIL
SCALE: 1/2" = 1'-0" A/C FOOTING FOR WOOD COLUMNS



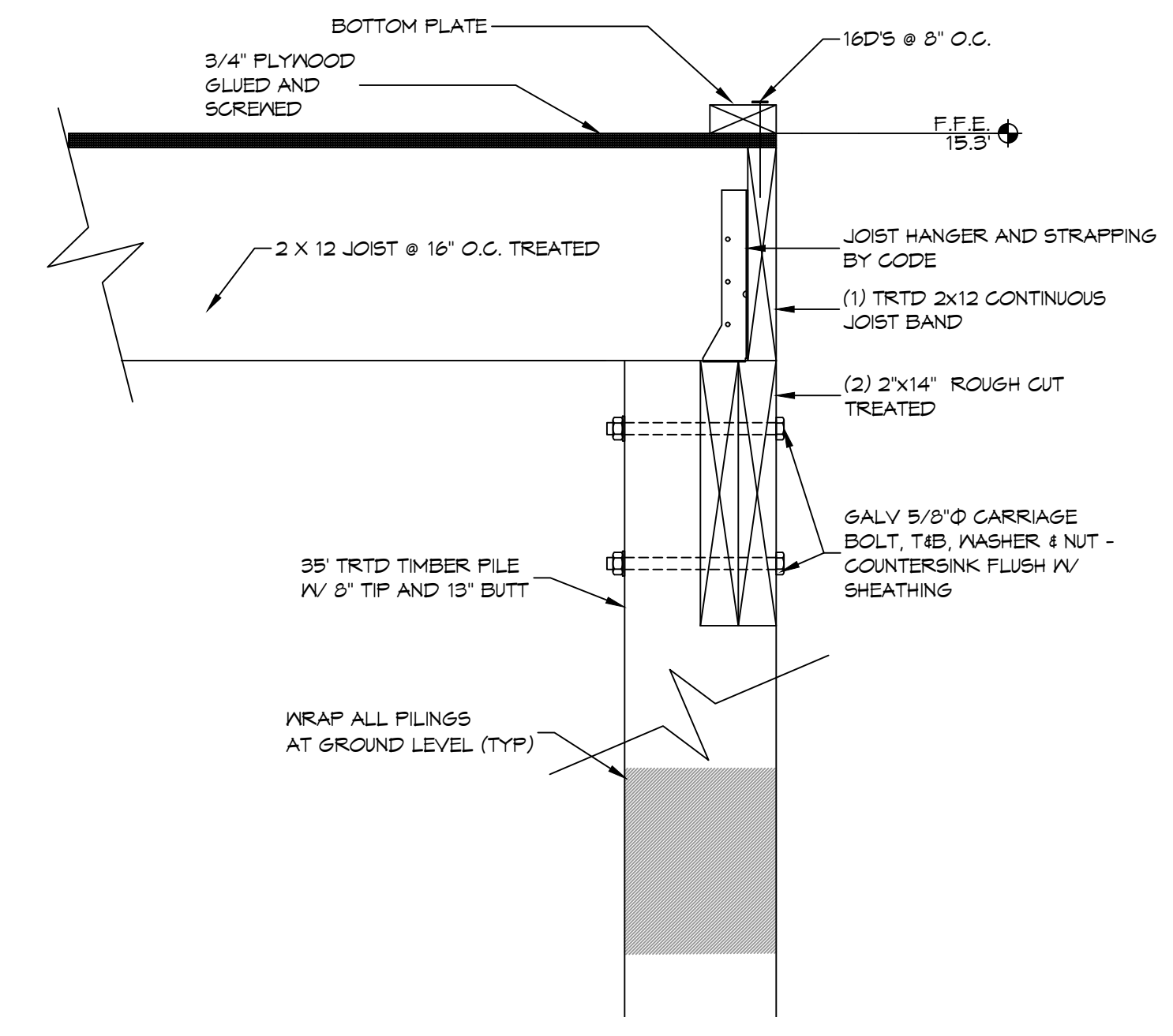
5 DETAIL
SCALE: 1-1/2" = 1'-0" CONNECTION BRACKET WOOD BEAMS



6 DETAIL
SCALE: 1" = 1'-0" PORCH FOOTING @ WOOD COLUMNS



7 DETAIL
SCALE: 1-1/2" = 1'-0" PERIMETER BAND



8 DETAIL
SCALE: 1-1/2" = 1'-0" PERIMETER JOIST BAND

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REVISIONS	DATE
# DESCRIPTION	

SEAL:

NEW HOUSE PLAN

BOBBY HARRISON

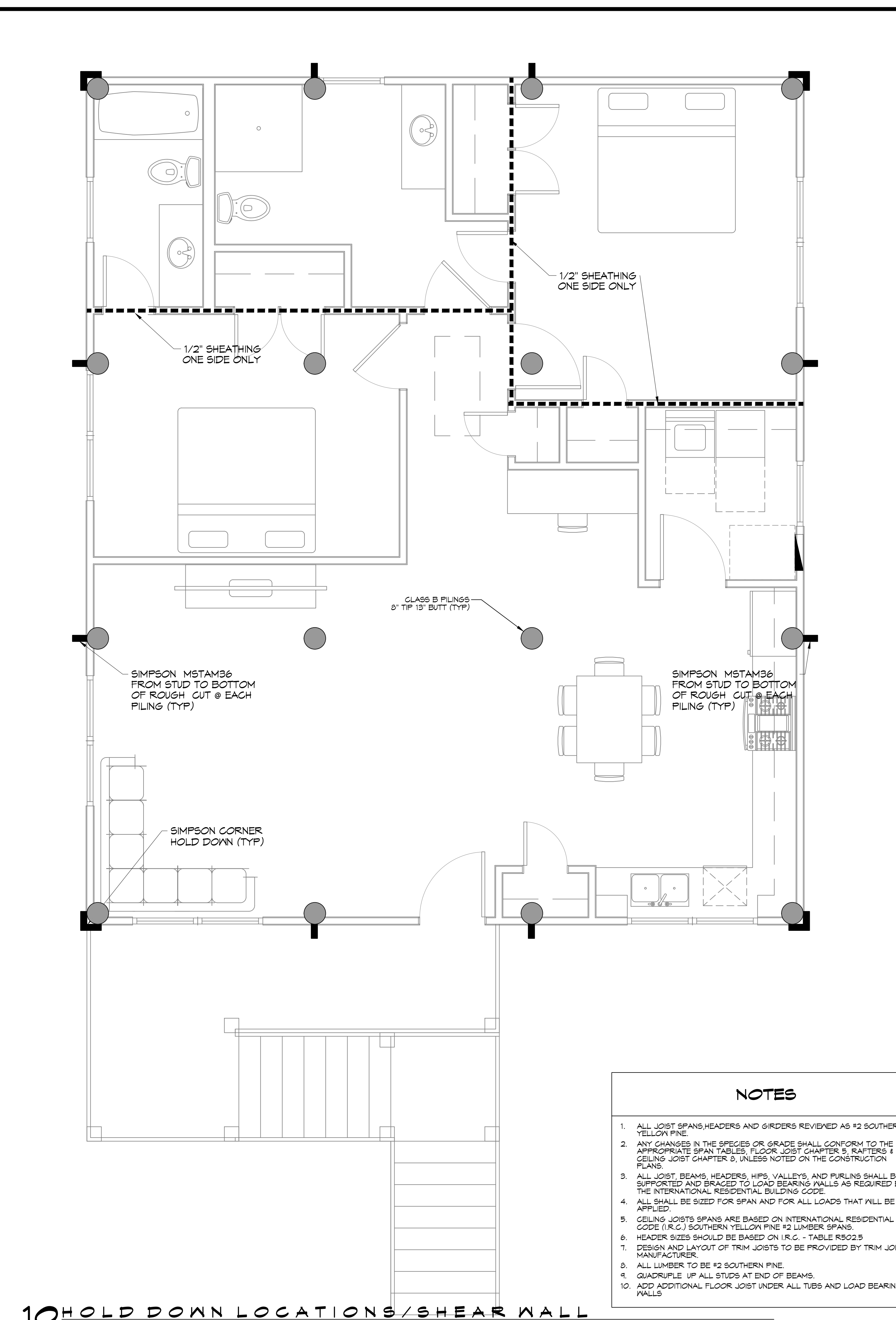
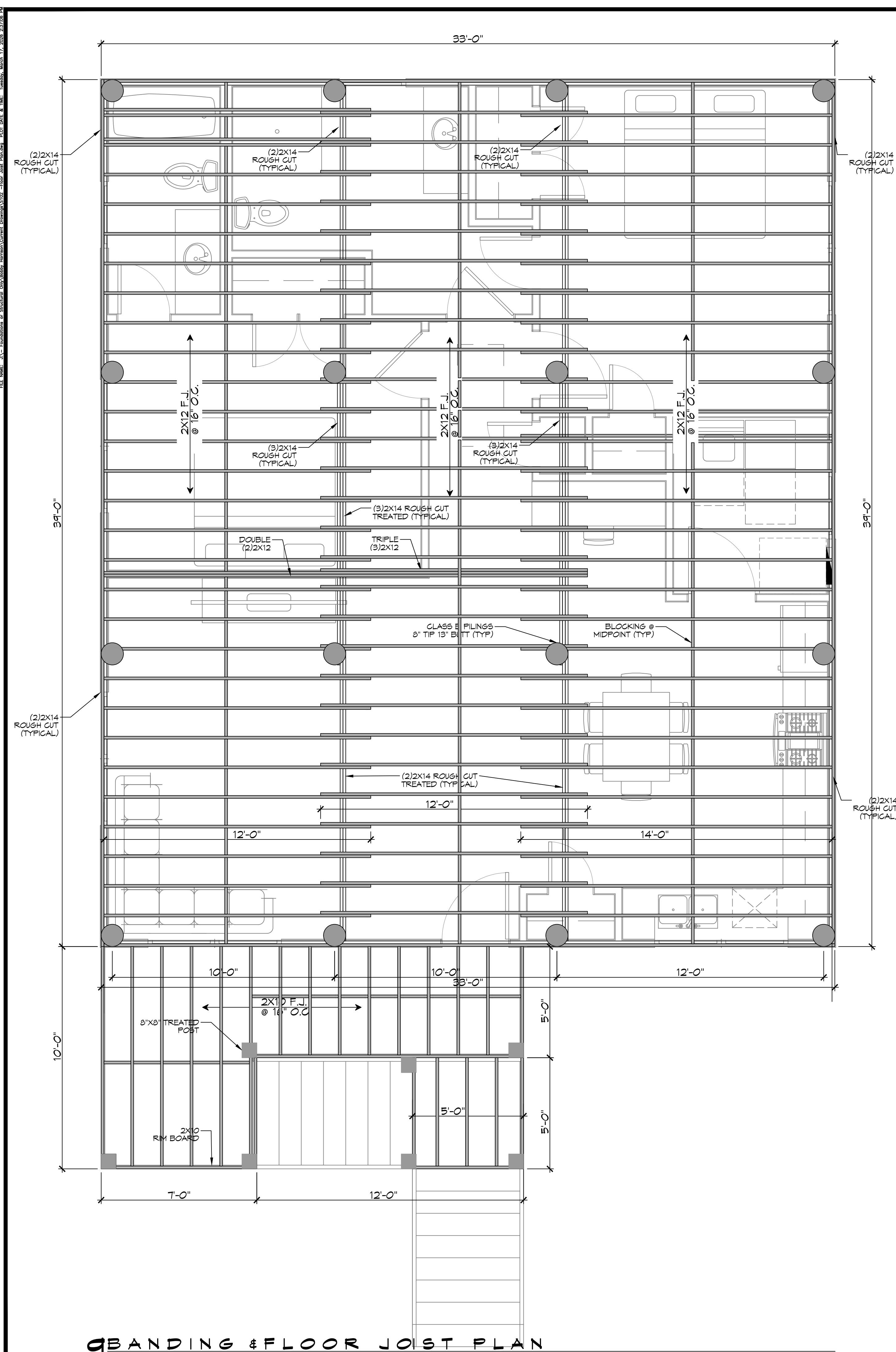
3030 CAREY DRIVE
SLIDELL, LOUISIANA
70458

JOB No: C485
DATE: 03-16-2026
DRAWN BY: C/KD
CHECKED BY: B/M

SHEET TITLE:
PILING PLAN AND DETAILS

DRAWING NUMBER:
S101

SHEET No: 2 of 11



- NOTES**
1. ALL JOIST SPANS, HEADERS AND GIRDERS REVIEWED AS #2 SOUTHERN YELLOW PINE.
 2. ANY CHANGES IN THE SPECIES OR GRADE SHALL CONFORM TO THE APPROPRIATE SPAN TABLES, FLOOR JOIST CHAPTER 5, RAFTERS & CEILING JOIST CHAPTER 6, UNLESS NOTED ON THE CONSTRUCTION PLANS.
 3. ALL JOIST, BEAMS, HEADERS, HIPS, VALLEYS, AND PURLINS SHALL BE SUPPORTED AND BRACED TO LOAD BEARING WALLS AS REQUIRED BY THE INTERNATIONAL RESIDENTIAL BUILDING CODE.
 4. ALL SHALL BE SIZED FOR SPAN AND FOR ALL LOADS THAT WILL BE APPLIED.
 5. CEILING JOISTS SPANS ARE BASED ON INTERNATIONAL RESIDENTIAL CODE (I.R.C.) SOUTHERN YELLOW PINE #2 LUMBER SPANS.
 6. HEADER SIZES SHOULD BE BASED ON I.R.C. - TABLE R502.5
 7. DESIGN AND LAYOUT OF TRIM JOISTS TO BE PROVIDED BY TRIM JOIST MANUFACTURER.
 8. ALL LUMBER TO BE #2 SOUTHERN PINE.
 9. QUADRUPLE UP ALL STUDS AT END OF BEAMS.
 10. ADD ADDITIONAL FLOOR JOIST UNDER ALL TUBS AND LOAD BEARING WALLS.

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REVISIONS	DATE
# DESCRIPTION	

SEAL:

NEW HOUSE PLAN
BOBBY HARRISON
3030 CAREY DRIVE
SLIDELL, LOUISIANA
70458
JOB No: 03-16-2026
DATE: 03-16-2026
DRAWN BY: C-KD
CHECKED BY: B-AM

SHEET TITLE:
BANDING & FLOOR JOIST PLAN, HOLD DOWN LOCATIONS / SHEAR WALL

DRAWING NUMBER:
S102

SHEET No: 3 of 11

TABLE S601.7 - UPLIFT CONNECTIONS - 140 MPH WINDS EXP "B"
NFCM 2015 TABLE 3.2

CONNECTION	FRAMING SPACING (INCHES)	ROOF SPAN (FEET)	UPLIFT	LATERAL	SHEAR	NUMBER OF 8d COMMON NAILS OR 10d BOX NAILS IN EACH END OF 1-1/4" X 20 GAUGE STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" OC	16	40T	292	152R	4
WALL ASSEMBLY TO FOUNDATION	16" OC	16	224	219	436	4

TABLE S601.8 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 140 MPH WIND EXP "B"
NFCM 2015 TABLE 3.2C

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING UPLIFT LOADS	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		8' END ZONES	INTERIOR ZONES
UPLIFT LOADS	1 - 3 STORIES	25 INCHES ON CENTER	30 INCHES ON CENTER

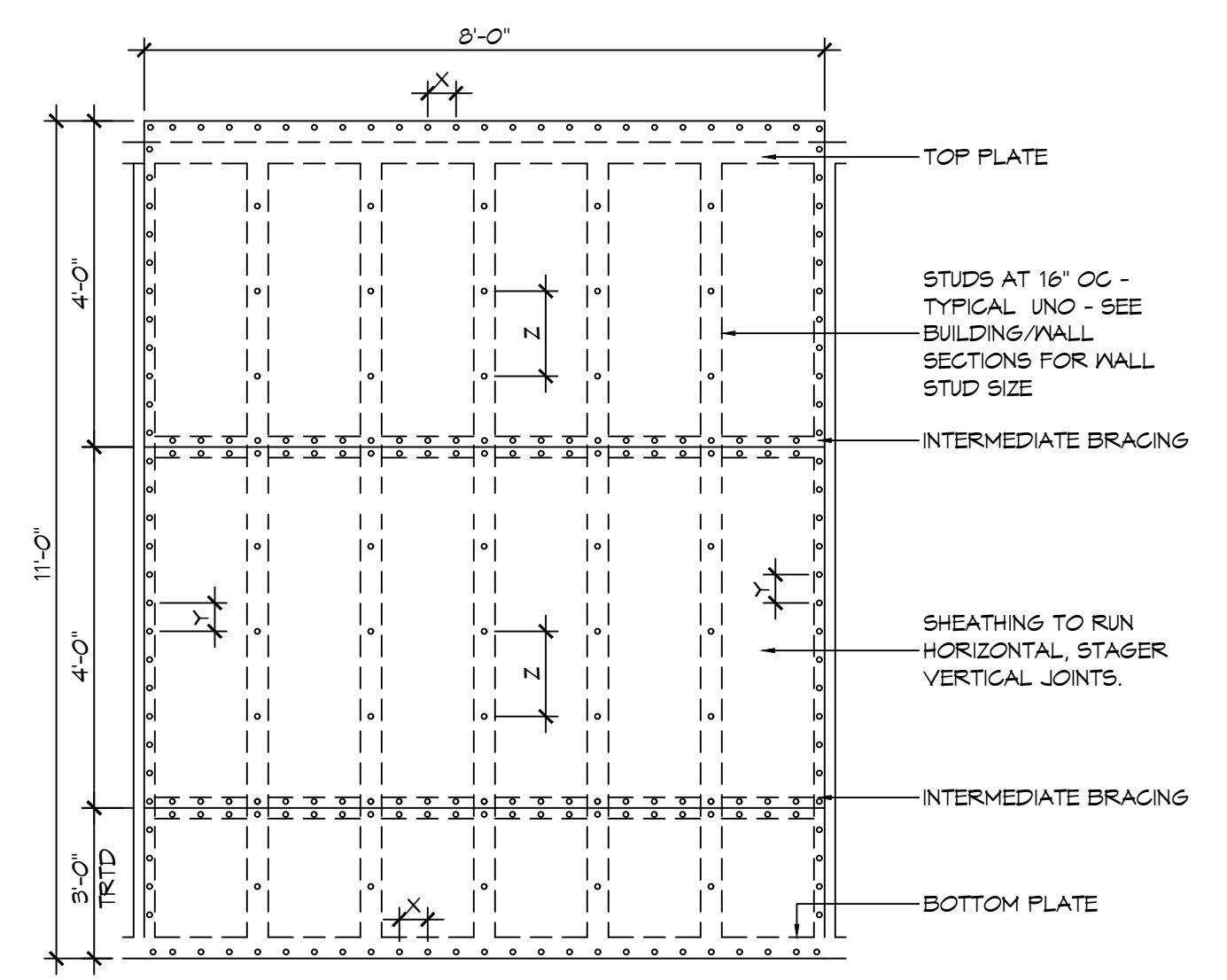
NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE

TABLE S601.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING SHEAR LOADS - 140 MPH WIND EXP "B"
NFCM 2015 TABLE 3.2B

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING UPLIFT LOADS	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		5/8" Ø ANCHOR BOLTS	48 INCHES ON CENTER W/3X3X1/4" WASHER
UPLIFT LOADS	4 STORY		

TABLE S601.10 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXPOSURE "B"
NFCM 2015 TABLE 3.23C

HEADER SPAN (FEET)	WALL SPACING (INCHES)		
	12" O.C.	16" O.C.	24" O.C.
2	1	1	1
4	2	2	1
6	3	3	2
8	4	3	2



NAIL SPACING
X = 4" OC
Y = 4" OC
Z = 12" OC

X = PLATE EDGE NAIL SPACING
Y = LONG EDGE NAIL SPACING
Z = FIELD NAIL SPACING

INTERIOR SHEATHING
1/2" PLYWOOD EACH FACE STAGGERED 48" OC. W/8d NAILS @ 4" OC FASTENING @ PANEL EDGES 8d NAILS @ 12" OC FASTENING @ INTERMEDIATE MEMBERS.

EXTERIOR SHEATHING
5/8" PLYWOOD EACH FACE STAGGERED 48" OC. W/8d NAILS @ 4" OC FASTENING @ PANEL EDGES 8d NAILS @ 12" OC FASTENING @ INTERMEDIATE MEMBERS.

H SHEAR WALL EXTERIOR SHEATHING NAILING PATTERN

TABLE S601.5 - JACK STUD REQ - INT LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)													
		12 FEET				24 FEET				36 FEET					
		3"	4.5"	5"	6.5"	3"	4.5"	5"	6.5"	3"	4.5"	5"	6"		
ONE FLOOR ONLY (CENTER BEARING)	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6	1	1	1	1	1	1	1	1	2	1	1	1	1	1
	8	1	1	1	1	2	1	1	1	2	2	2	1	1	1
	10	1	1	1	1	2	2	1	1	3	2	2	2	2	2
	12	1	1	1	1	2	2	2	1	3	2	2	2	2	2
	14	2	1	1	1	3	2	2	2	4	3	3	2	2	2
TWO FLOORS (CENTER BEARING)	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1
	4	1	1	1	1	2	1	1	1	3	2	2	2	2	2
	6	2	1	1	1	3	2	2	2	4	3	2	2	2	2
	8	2	2	1	1	3	2	2	2	5	3	3	3	3	3
	10	2	2	2	1	4	3	3	2	6	4	4	3	3	3
	12	3	2	2	2	5	3	3	3	7	5	4	4	4	4
	14	3	2	2	2	6	4	4	3	8	5	5	4	4	4
16	4	3	2	2	6	4	4	3	9	6	6	5	5	5	

TABLE S601.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS
NFCM 2021 TABLE 3.22F

ROOF AND CEILING	HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH 1/2" PLYWOOD SPACER BETWEEN	ROOF LIVE LOAD 20 PSF				ROOF LIVE LOAD 30 PSF				
		3"	4.5"	5"	6.5"	3"	4.5"	5"	6.5"	
		NUMBER OF JACK STUDS REQUIRED								
ROOF AND CEILING	2	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1
	6	2	1	1	1	2	1	1	1	1
	8	2	2	2	1	2	2	2	2	1
	10	3	2	2	2	3	2	2	2	2
	12	3	2	2	2	3	2	2	2	2
	14	4	3	2	2	4	3	2	2	2
ROOF, CEILING, AND ONE CENTER BEARING FLOOR	2	1	1	1	1	1	1	1	1	1
	4	2	1	1	1	2	1	1	1	1
	6	2	2	2	1	3	2	2	2	2
	8	3	2	2	2	3	2	2	2	2
	10	4	3	2	2	4	3	3	2	2
	12	4	3	3	2	5	3	3	3	3
	14	5	4	3	3	5	4	3	3	3
16	6	4	4	3	6	4	4	3	3	

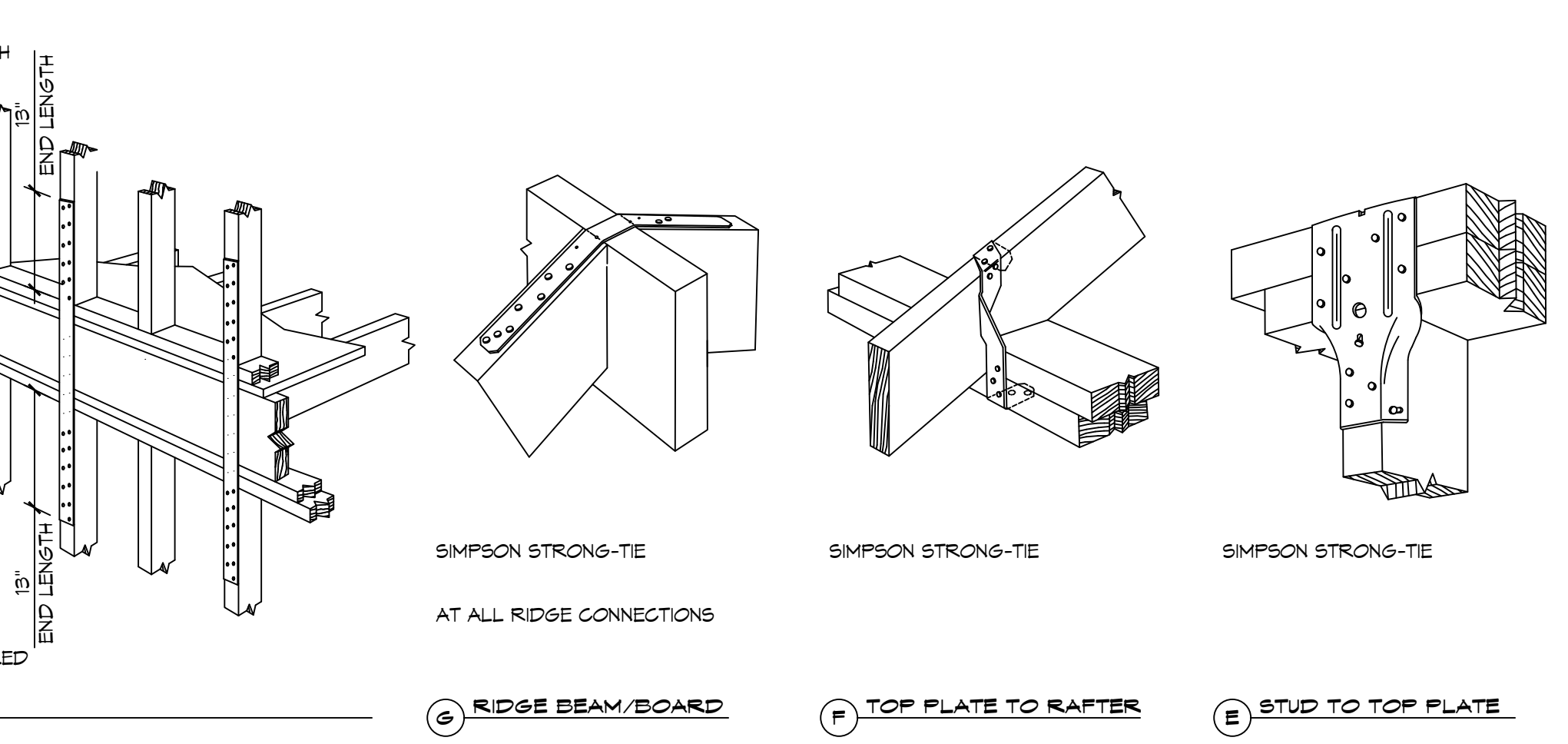
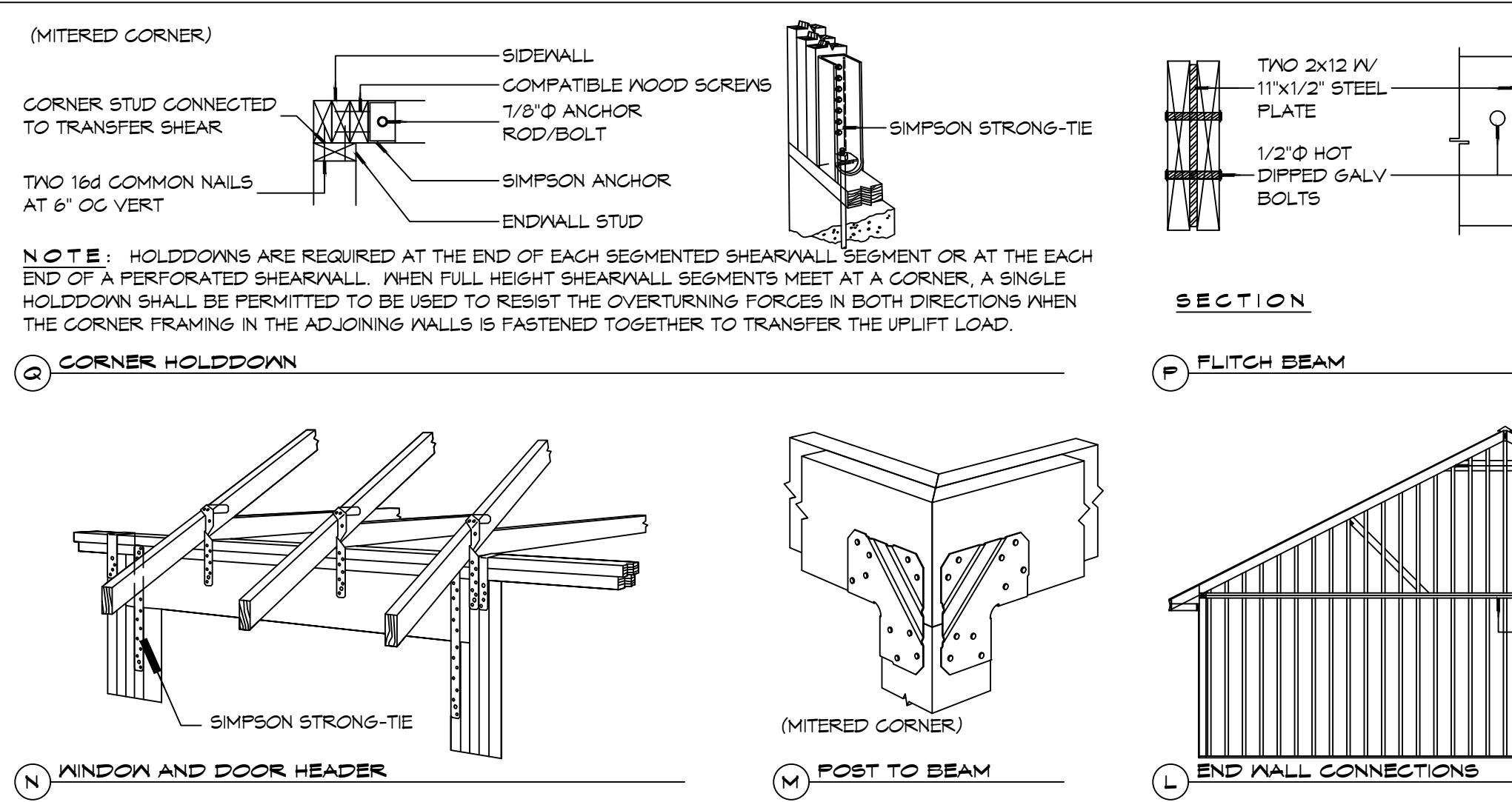
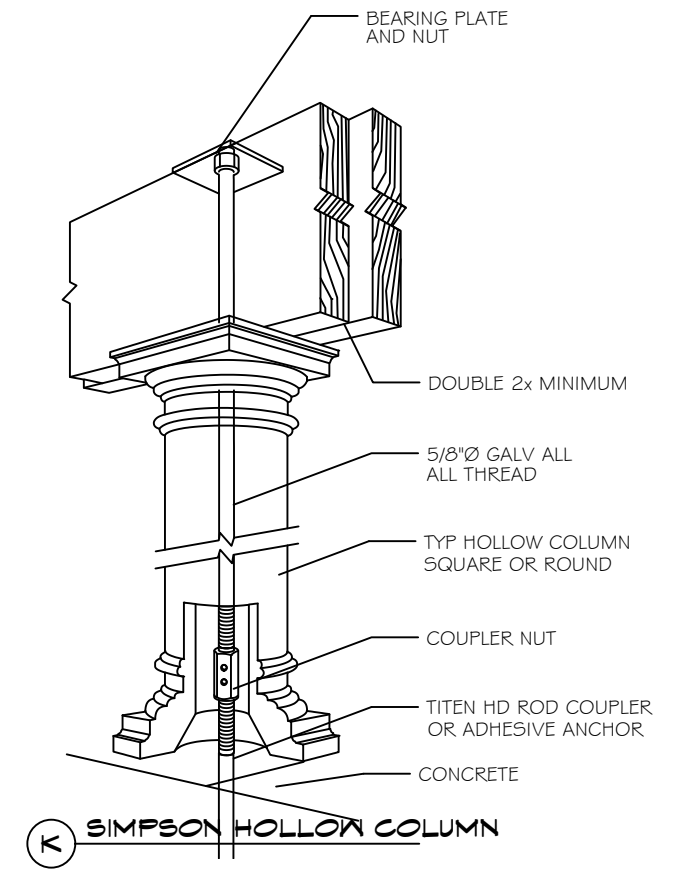


TABLE S601.3 - NAILING SCHEDULE
NFCM 2015 TABLE 3.1

DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	SPACING
HEADER TO HEADER (FACE NAILED)	16d	16d	16" OC EDGES

TABLE S601.4 - BUILDING ENVELOPE REQUIREMENTS

ROOFS	OPAQUE ELEMENTS	ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE
	INSULATION ENTIRELY ABOVE DECK	U-0.048	R-20.0 c.i.
WALLS, ABOVE GRADE	METAL BUILDING	U-0.065	R-19
	ATTIC AND OTHER	U-0.027	R-38
	MASS	U-0.151	R-5.7 c.i.
FLOORS	METAL BUILDING	U-0.113	R-19.0
	STEEL-FRAMED	U-0.124	R-19.0
	WOOD-FRAMED AND OTHER	U-0.089	R-19.0
	MASS	U-0.107	R-6.3 c.i.
SLAB-ON-GRADE	STEEL JOIST	U-0.052	R-19.0
	WOOD FRAMED AND OTHER	U-0.051	R-19.0
OPAQUE DOORS	UN-HEATED	F-0.750	NR
	SWINGING	U-0.700	NR
	NON-SWINGING	U-1.450	NR



METAL ROOF APPLICATION & FASTENING NOTES

1. INSTALL 26 GAUGE METAL ROOF PER MANUFACTURER'S RECOMMENDATIONS FOR 140 MPH WIND SPEED.

GENERAL UPLIFT CONNECTION NOTES

ROOF ASSEMBLY TO WALL ASSEMBLY:
UPLIFT CONNECTIONS SHALL BE FROM RAFTER OR TRUSS TO WALL STUD. UPLIFT CONNECTIONS SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.10.

WALL ASSEMBLY TO WALL ASSEMBLY:
STORY TO STORY UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD. WHEN UPPER STORY WALL STUDS ARE NOT LOCATED DIRECTLY ABOVE LOWER WALL STUDS, THE STUDS SHALL BE ATTACHED TO A COMMON MEMBER IN THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.11.

WALL ASSEMBLY TO FOUNDATION:
FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION, SILL PLATE, OR BOTTOM PLATE. A MINIMUM OF A 1-1/4" X 20 GA. ASTM A653 GRADE 33 STEEL STRAP SHALL BE NAILED TO THE WALL STUD AND HAVE A MINIMUM EMBEDMENT OF 1 INCHES IN CONCRETE FOUNDATIONS AND SLABS-ON-GRADE, 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPPED UNDER THE BOTTOM PLATE, 3 INCH SQUARE WASHERS SHALL BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACINGS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRAPS EMBEDDED IN OR IN CONTACT WITH SLAB-ON-GRADE OR MASONRY BLOCK FOUNDATIONS SHALL BE HOT-DIPPED GALV. AFTER FABRICATION. OR MANUF. FROM G185 OR 2450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.12.

TABLE S601.1 - ROOF SHEATHING ATTACHMENT REQUIREMENT - WIND LOAD EXP "B"

SHEATHING LOCATION	RAFTER / TRUSS SPACING	E F	
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	6
	24" OC	4	4

140 MPH WIND - EXPOSURE "B" TYPICAL
E = NAIL SPACING AT PANEL EDGES, INCHES.
F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

TABLE S601.1 - WALL SHEATHING AND CLADDING REQUIREMENT - WIND LOAD EXP "B"

SHEATHING LOCATION	RAFTER / TRUSS SPACING	E F	
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	6
PERIMETER EDGE ZONE	12" OC	6	12
	16" OC	6	12

140 MPH WIND - EXPOSURE "B" TYPICAL
E = NAIL SPACING AT PANEL EDGES, INCHES.
F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

BOBBY HARRISON

NEW HOUSE PLAN

SHEET TITLE: TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES

DRAWING NUMBER: **S105**

DATE: 05-16-2026
JOB No: 70455
DRAWN BY: DD/KJK
CHECKED BY: CKD

SHEET No: 6 of 11

TYPICAL CONNECTION DETAILS
SCALE: NTS

