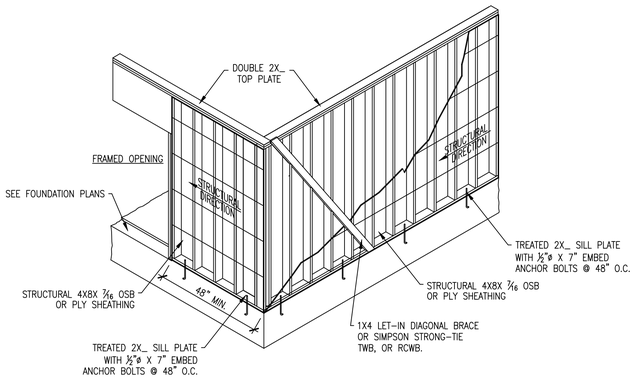
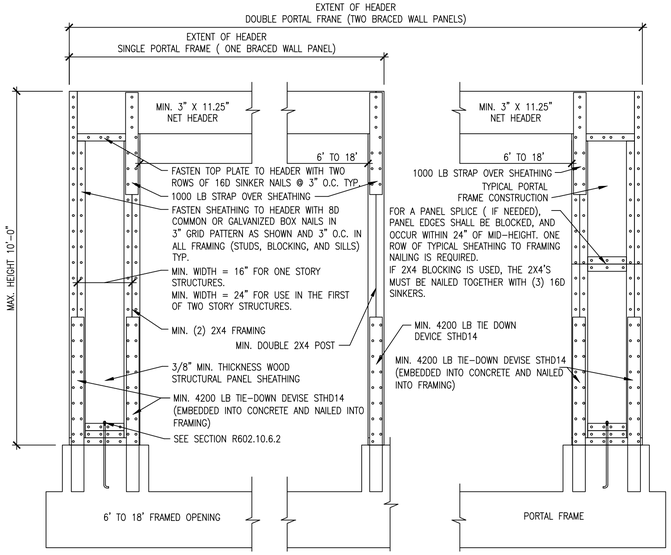


TYPICAL BRACING FOR CONVENTIONAL RESIDENTIAL CONSTRUCTION

NOTE: SECOND & THIRD FLOORS TO HAVE BRACING EQUAL TO THESE DETAILS. N.T.S.

OPTION A:



IRC 20021 ALT BRACING FOR FOUNDATION ANCHORED RESIDENTIAL CONSTRUCTION

NOTE: SECOND & THIRD FLOORS TO HAVE BRACING EQUAL TO THESE DETAILS. N.T.S.

HANGER SCHEDULE

MEMBER	HANGER	REACTION (LBS)
(1) 2x'S	HU SERIES	500 MIN.
(2) 2x10	HU210-2	1,650
(2) 2x12	HU212-2	2,145
(3) 2x10	HU210-3	1,875
(3) 2x12	HU212-3	2,145
FOR LVL'S, PSL'S & GL'S: (2)MEMBER X DEPTH		
3.5X9.25	HUS410	1,860
3.5x11.875	HUS412	2,510
3.5x14	HU416	2,680
3.5x16	HHUS410	5,190
3.5x18	HGUS414	11,180
(3)MEMBER X DEPTH		
5.25X9.25	HU5.31/9	1,875
5.25x11.875	HHUS5.5/10	5,190
5.25x14	HHUS5.5/10	5,190
5.25x16	HHUS5.5/10	5,190
5.25x18	HGUS5.5/14	11,180
TJI'S	IUT SERIES	730 MIN

* THESE HANGERS ARE TO BE USED UNLESS OTHERWISE NOTED ON PLAN

* ALL HANGERS ARE SIMPSON STRONG TIE.

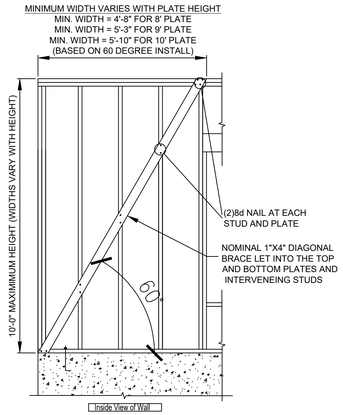
INTERIOR HEADER SCHEDULE

	MAXIMUM SPAN	
SIZE	ONE STORY	TWO STORY
2-2x6	3'-11"	2'-9"
2-2x8	5'-0"	3'-6"
2-2x10	6'-1"	4'-3"
2-2x12	7'-0"	5'-0"
3-2x10	8'-0" * *	

* THESE HEADER SIZES ARE TO BE USED UNLESS OTHERWISE NOTED ON PLAN

* ALL HEADER MATERIAL TO BE NO.2 S.P.

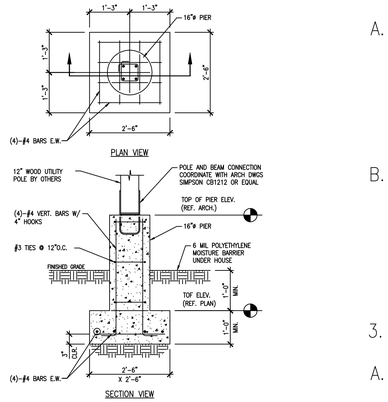
* * PROVIDE 3 2X6 JACK STUDS EACH SIDE



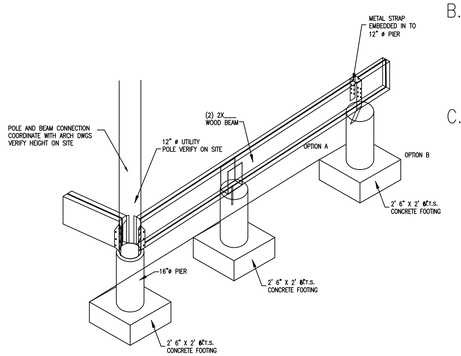
OPTION "B"

NOTE: SECOND & THIRD FLOORS TO HAVE BRACING EQUAL TO THESE DETAILS.

GENERAL WALL BRACING NOTES:
1. STUD SPACING SHALL NOT EXCEED 16" ON CENTERS; BRACING METHODS 1, 3, 4, 6, IRC 2021 SECTION R602.10.3
2. NOMINAL 1"X4" CONTINUOUS DIAGONAL WOOD BRACE, LET IN FLATWISE INTO TOP AND BOTTOM (SILL) PLATES AND INTERVENING STUDS: IRC BRACE METHOD 1, IRC 2021 SECTION R602.10.3.
3. WOOD STRUCTURAL PANELS OR STRUCTURAL FIBER BOARD, OR PARTICLE BOARD SHEATHING, LAID UP WITH 4X8 SHEET LONG AXIS APPLIED HORIZONTALLY; IRC BRACING METHODS 3, 4, & 6, SECTION R602.10.3. DO NOT USE INSULATED STRUCTURAL BOARD (THERMO-PLY).
4. STEEL DIAGONAL LET-IN KERF BRACES BY SIMPSON STRONG-TIE ; RCWB OR TWB FOR 16" ON CENTER STUD SPACING; WALL BRACING IN ACCORDANCE WITH IRC 2021 R602.10, ALTERNATE METHODS PER ICC NER REPORT NER422, AND ICC ER REPORT ER5709.
5. NAILING FOR PLYWOOD AND PARTICLE BOARD SHEATHING SHALL BE IN ACCORDANCE WITH IRC SECTION R602.3, TABLE R602.3(2); NAIL SPACING SHALL NOT TO EXCEED 6" ON CENTER AT EDGES, AND 12" ON CENTER AT INTERMEDIATE SUPPORTS.
6. IF WALL PANEL WIDTH IS LESS THAN 48", SEE IRC 2021 ALT. BRACING DETAIL.



1 DETAIL
CONCRETE FOOTING W/PIER
N.T.S.



2 DETAIL
CONCRETE FOOTING W/PIER & BEAM AND MEIAL STRAP HOLD DOWN
N.T.S.

GENERAL NOTES

1. LET-IN BRACING

A. THE TOP OF THE LET-IN BRACING SHOULD BE LOCATED AT THE ARROWHEAD AND AS CLOSE TO THE CORNERS AS POSSIBLE. INSTALL LET-IN BRACING AS PER THE DETAILS ON SHEET WB-2

B. 1X4 WOOD LET-IN BRACING IS ACCEPTABLE ON THE WALLS REQUIRING LET BRACING.

C. SIMPSON METAL BRACING IS ACCEPTABLE ON THE 2X4 WALLS. ATTACH AS RECOMMENDED BY THE MANUFACTURER.

C. THE LET-IN BRACING SHALL BE NAILED IN BOTH OF THE TOP PLATES AND THE BOTTOM PLATE AND EVERY FRAMING MEMBER THAT THE LET IN BRACE CROSSES WITH TWO NAILS EACH.

2. SHEATHING

A. ALL EXTERIOR SHEATHING SHALL BE 7/16" PLYWOOD OR OSB. ATTACH OSB OR PLYWOOD TO STUDS WITH 8d NAILS 8" OC IN THE FIELD AND 6" OC AT ALL EDGES WITHIN 3/8" FROM THE EDGES.

B. STABLES SHALL BE 1-1/2" LONG 16 GAGE STAPLES 6" IN THE FIELD AND 6" AT THE EDGES. STAPLES SHALL BE INSTALLED WITHE THE CROWN PARALLEL TO THE LONG DIMENSION TO THE FRAMING AND HAVE A MINIMUM CROWN OF 1/8".

3. FRAMING

A. ALL INTERIOR BEARING AND EXTERIOR WALLS SHALL HAVE TWO TOP PLATES OVERLAPPING AT THE CORNERS. OFF SET ALL END JOINTS BY 48".

B. THE INTERIOR BEARING CORNERS AND THE EXTERIOR WALL CORNERS ARE TO ACT AS COLUMNS NOT LESS THAT 3 STUDS SHALL BE INSTALLED AT THESE LOCATIONS.

C. USE SIMPSON H2.5 HURRICANE TIES OR EQUAL FROM THE TOP PLATE TO THE TRUSSES AT EVERY TRUSS.

PLAN NAME: CABIN 6

REVISIONS

NO.	DESCRIPTION	DATE	APPR.

FILE: C:\2023\PROJECTS\

REGISTERED PROFESSIONAL ENGINEER — SCOTT M. MORTENSEN 26938 — OKLAHOMA

MAE
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8452 Fredericksburg Rd, Ste. 380
San Antonio, Tx. 78229
(210) 410-4300
TPELS FIRM # 16119

SHEET TITLE: FRAMING / WALL BRACING DETAILS FOR CABIN 6

ADDRESS: LOT: BLOCK: N.C.B.:
SUBDIVISION: CHEROKEE NATION CITY: UKN COUNTY: UKN
PLAN NO.: PLAN

JOB NO:	23-101
DATE:	6/15/2023
DESIGNER:	CWL
CHECKED:	SMM
DRAWN:	CWL

SHEET: WB-2