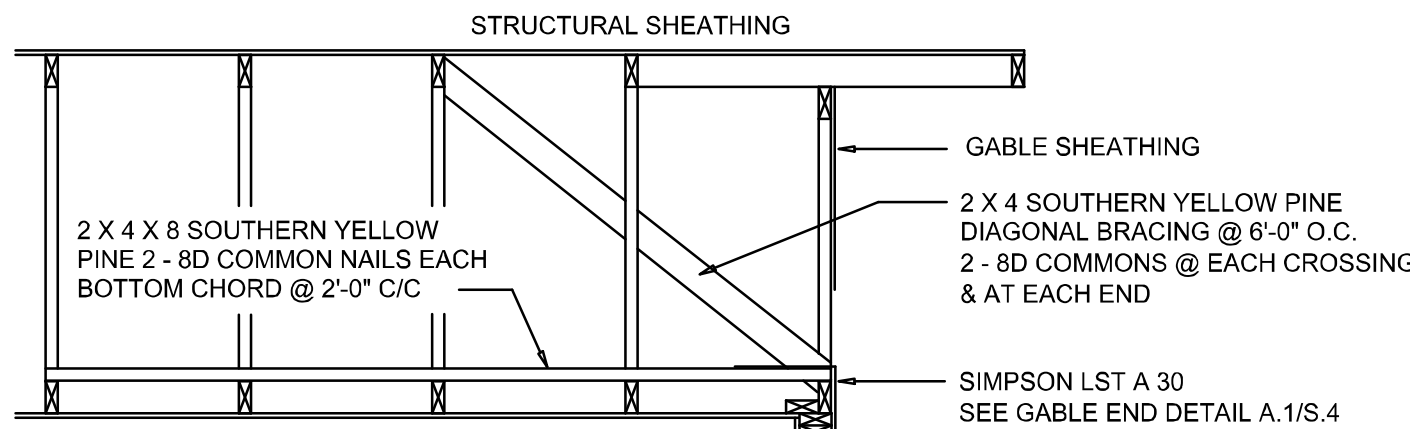


### GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1



### END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)

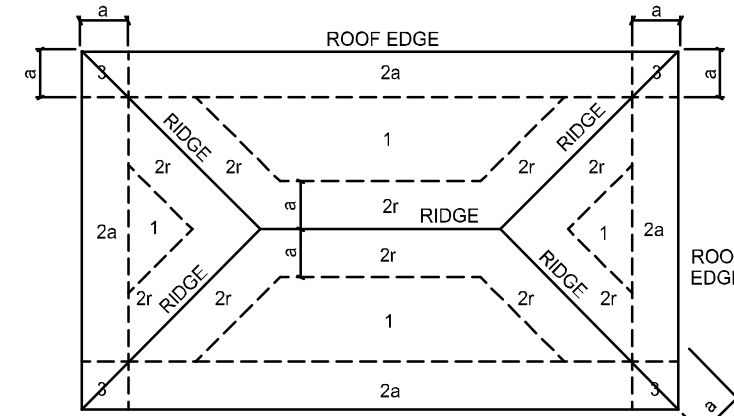
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

A

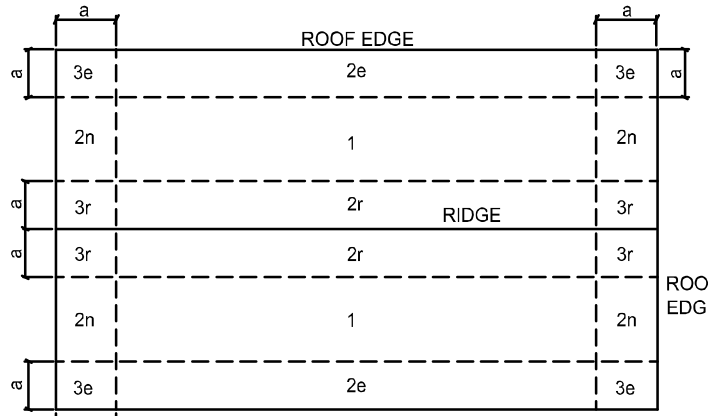
BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 21° TO 45°		Roof		Wall		Roof		Wall	
ZONE	AREA (ft <sup>2</sup> )	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
1	10	10.2	-26.5	10.1	-26.1	10	-26	10.1	-26.1
1	20	10	-16	10	-16.6	10	-16.2	10.6	-26.2
1	30	10	-12.7	10	-13.8	10	-16.2	10	-16.6
2	10	10.2	-26.2	11.1	-26.3	10	-26.9	10.1	-26.9
2	20	10	-16.1	10	-16.9	11.3	-26.4	10.1	-26.9
2	30	10	-11.9	10	-12.9	10	-16.1	10.4	-16.6
3	10	10.2	-26.6	11.1	-26.3	10	-26.1	10.1	-26.1
3	20	10	-16.7	10	-16.3	11.3	-26.9	10.1	-26.1
3	30	10	-16.2	10	-16.9	10	-16.2	10.5	-26.4
4	10	10.2	-26.7	11.1	-26.6	10	-26.2	10	-26.2
4	20	10	-16.6	10	-16.7	11.3	-26.4	10.1	-26.4
4	30	10	-16.3	10	-16.5	10	-16.2	10.5	-26.2
5	10	14.3	-16.5	10.5	-16.9	16.2	-26.2	10.5	-26.9
5	20	13.6	-14.8	14.8	-16.1	17.4	-19	20.2	-22
5	30	12.8	-14	15.9	-16.2	16.3	-19.8	19	-20.7
6	100	10.1	-16.9	10.2	-14.4	16.5	-17.1	16	-16.6
6	200	10.6	-16.2	11.1	-15.8	15.6	-16.1	16.6	-17.6
6	30	14.3	-16.1	10.5	-20.8	16.2	-24.4	21.2	-26.3
6	40	13.6	-17.8	14.8	-16.4	17.4	-22.8	20.2	-26.4
6	50	10.5	-16.1	10.9	-17.6	16.5	-20.6	19	-20.9
6	100	10.1	-14.8	13.2	-16.1	16.5	-19	16	-22
6	200	10.6	-11.9	11.6	-15.8	16.6	-16.1	16.8	-17.6

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16" O.S.B. OR 19/32 CDX PLYWOOD	10d RING SHANK	6 in. o.c. EDGE 6 in. o.c. FIELD
2			4 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT (ft)	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	.82	1.21	1.47
20	.88	1.29	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66



ROOF SHEATHING NAILING ZONES  
(HIP ROOF)



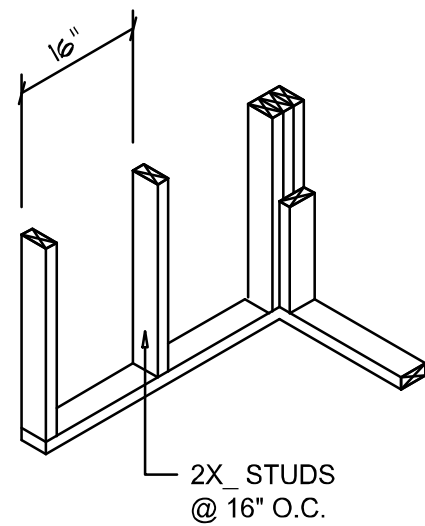
ROOF SHEATHING NAILING ZONES  
(GABLE ROOF)

### Roof Nail Pattern DET.

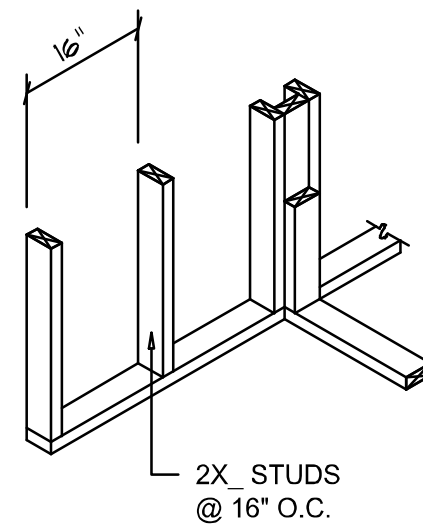
SCALE: NONE

B

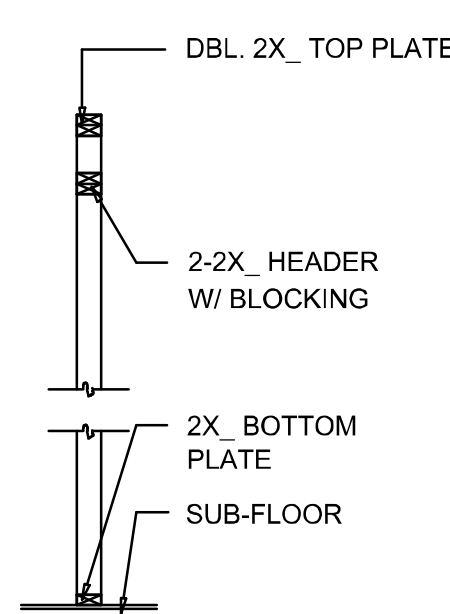
HEADER SPANS FOR EXTERIOR BEARING WALLS					
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)			
		20'		28'	
		SPAN	# JACKS	SPAN	# JACKS
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1
	2-2x6	5'-5"	1	4'-8"	1
	2-2x8	6'-10"	1	5'-11"	2
	2-2x10	8'-5"	2	7'-3"	2
	2-2x12	9'-9"	2	8'-5"	2
	3-2x8	8'-4"	1	7'-5"	1
	3-2x10	10'-6"	1	9'-1"	2
	3-2x12	12'-2"	2	10'-7"	2
	4-2x8	9'-2"	1	8'-4"	1
	4-2x10	11'-8"	1	10'-6"	1
	4-2x12	14'-1"	1	12'-2"	2
				10'-11"	1



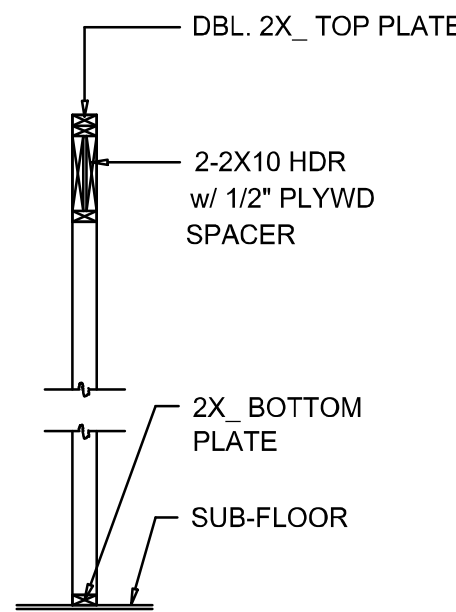
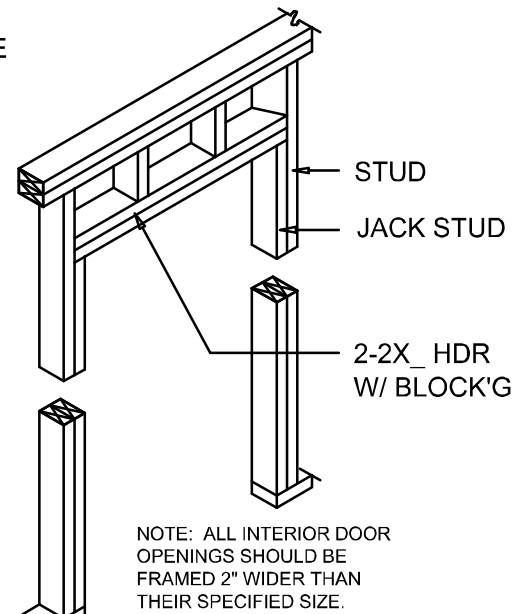
WALL CORNER



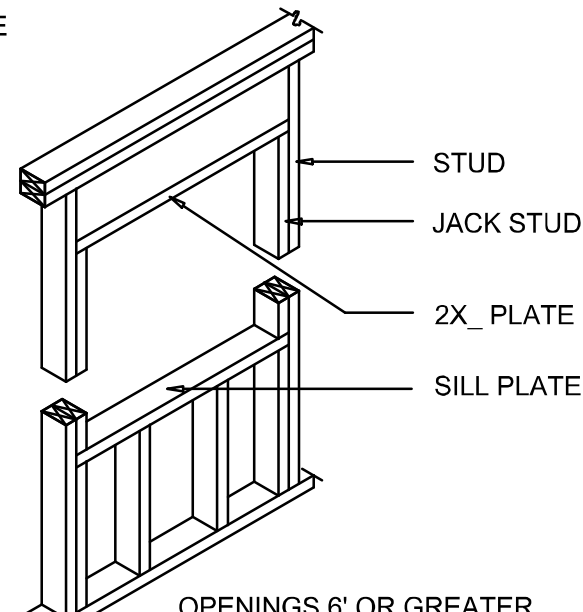
WALL INTERSECTION



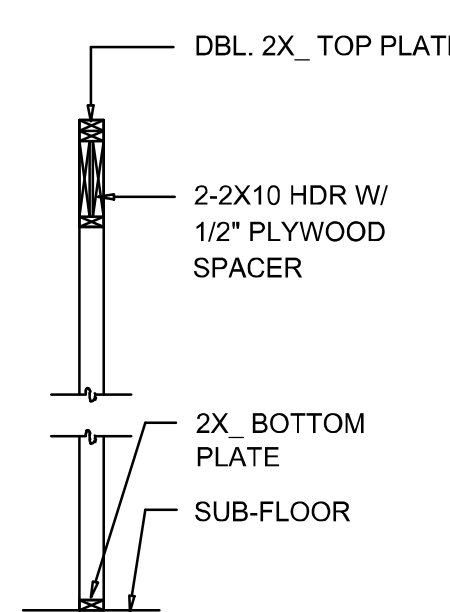
NON-BEARING WALL HEADER



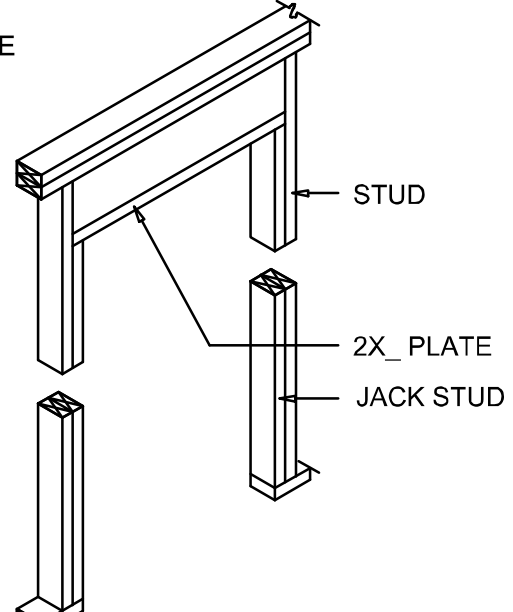
TYPICAL WINDOW HEADER



OPENINGS 6' OR GREATER  
REQUIRE DBL. JACK STUDS



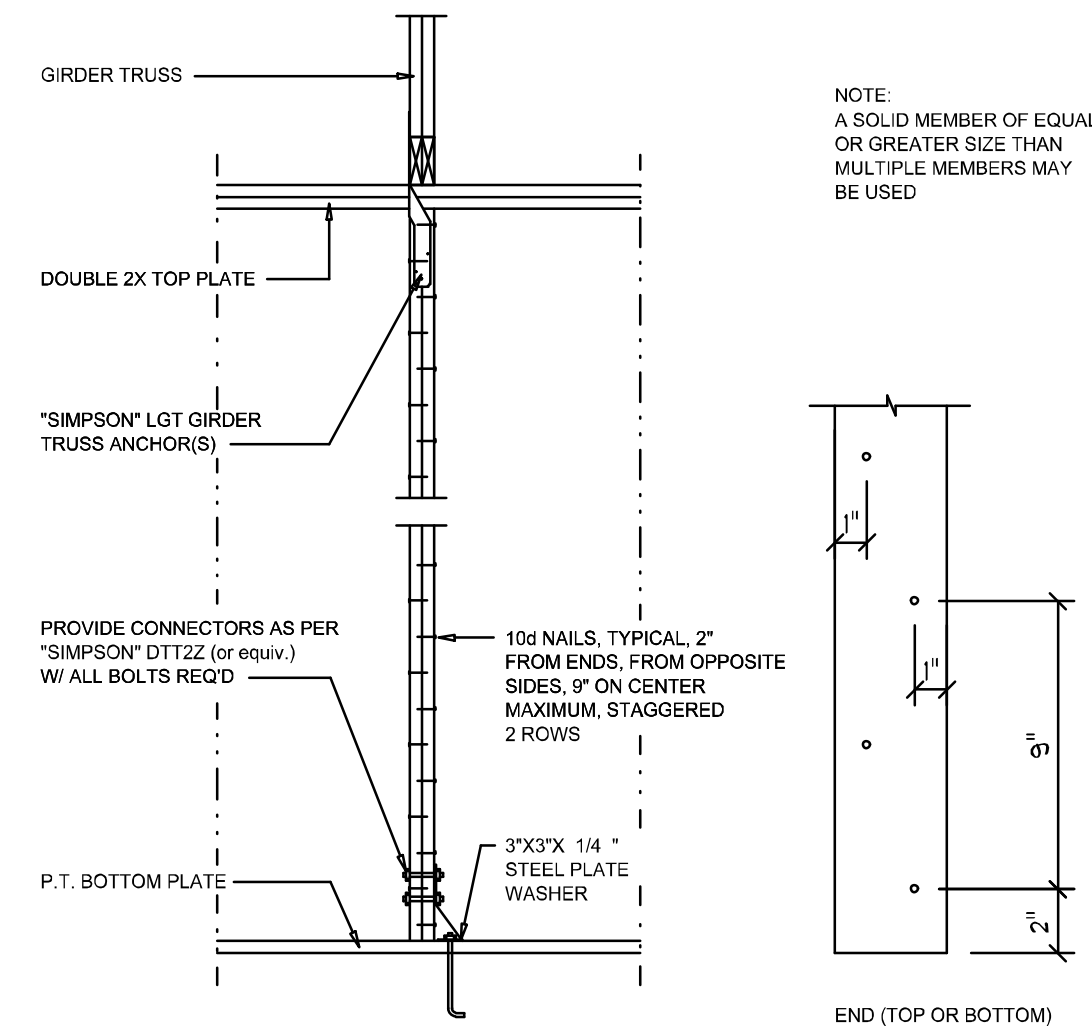
BEARING WALL HEADER



### Wall Framing/Header DETAILS

SCALE: NONE

F

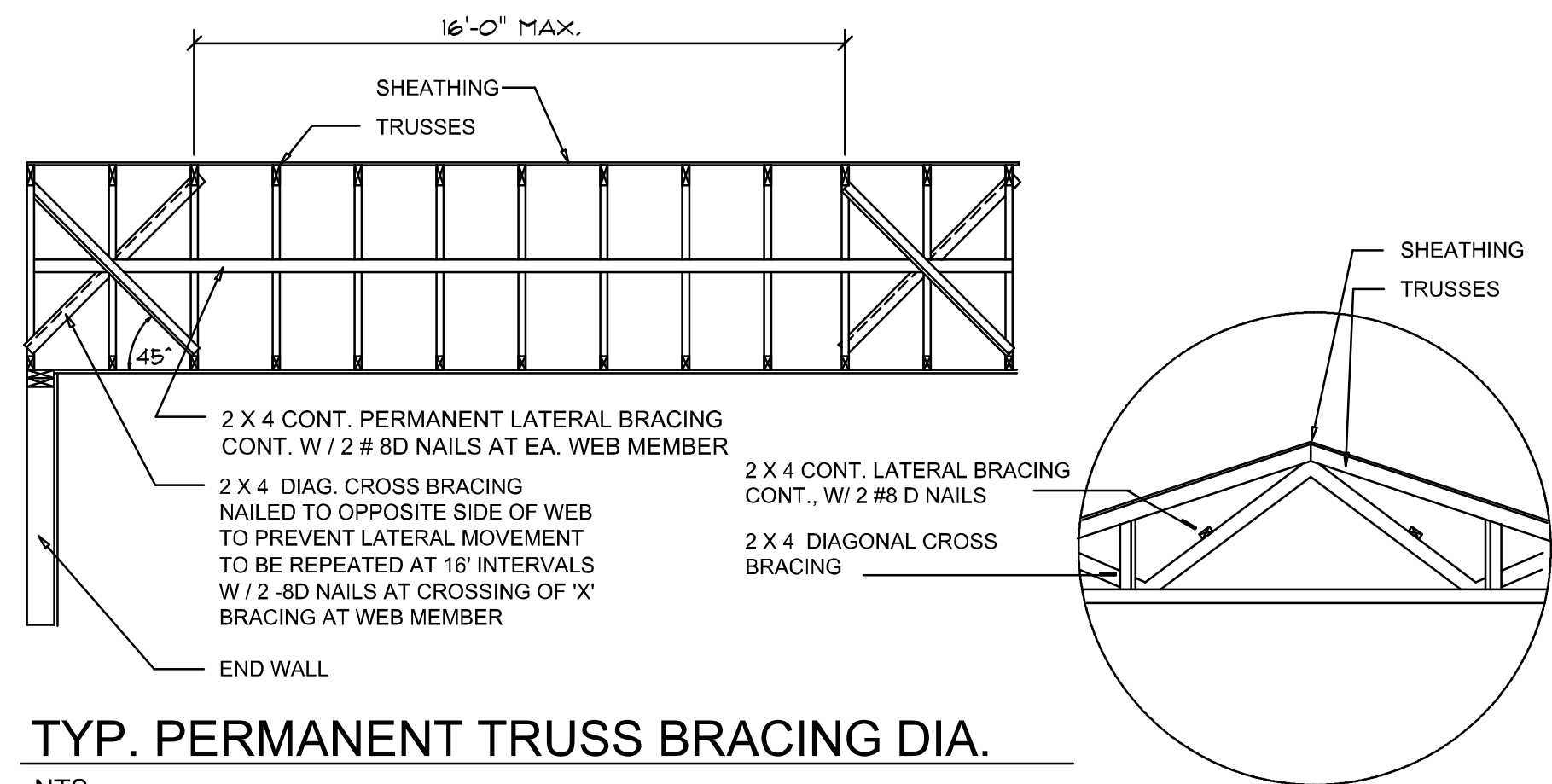


### Girder Truss Column DET.

SCALE: 1/2" = 1'-0"

"WindSTORM" ALT. SHEATHING METHOD:  
ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SP1/SP2 OR SP4 STRAPS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL ALLOWED AS FOLLOWS:  
1. APPLY VERTICALLY "WindSTORM" 7/16" OSB 48" X 97" 189" 121" OR 149" SHEATHING FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMONS @ 3" O.C. OR 8d COMMONS @ 4" O.C. FASTEN TO EACH STUD WITH EITHER 6d COMMONS @ 8" O.C. OR 8d COMMONS @ 8" O.C.

C



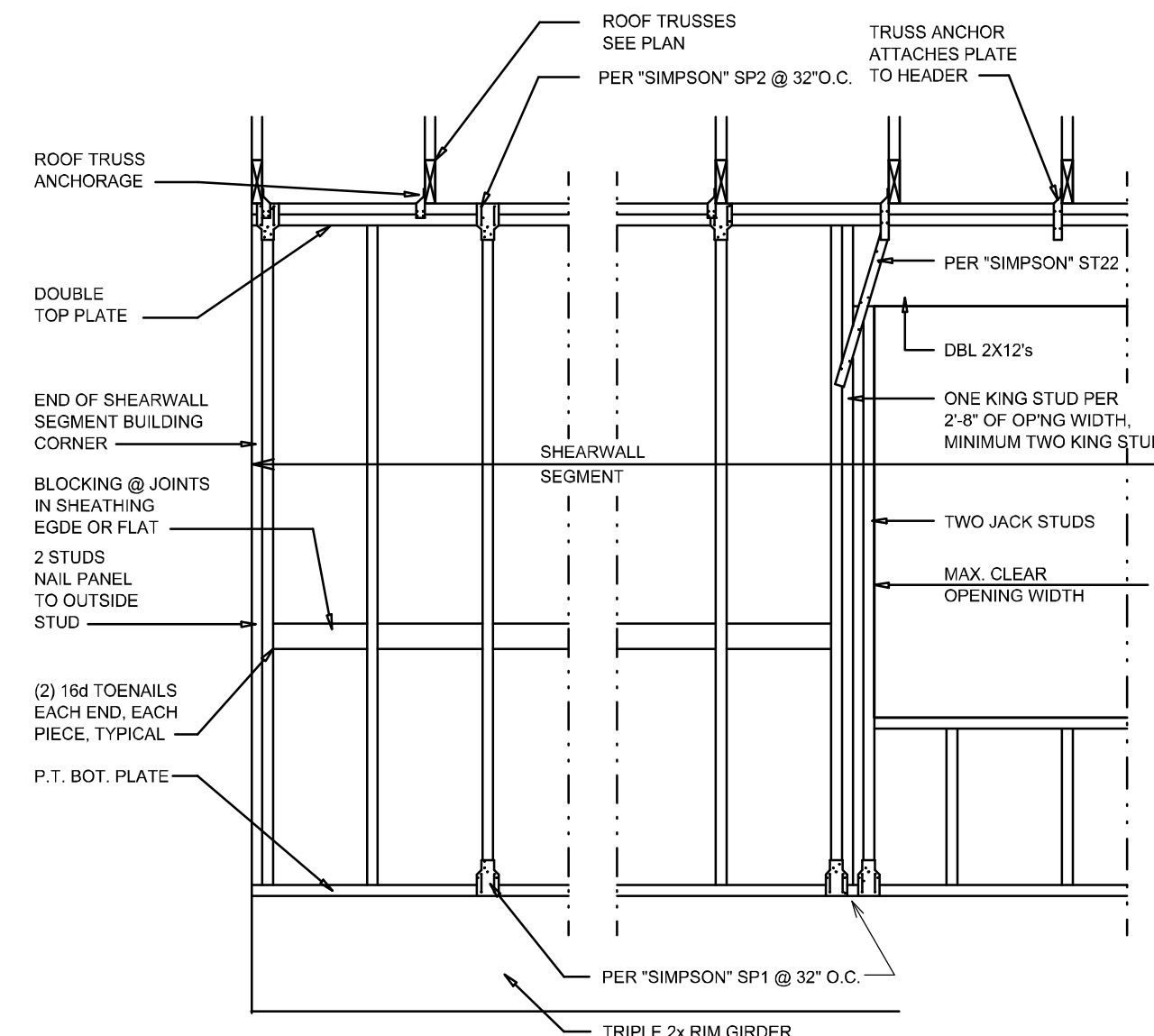
### TYP. PERMANENT TRUSS BRACING DIA.

NTS  
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

### Truss Bracing DETAILS

SCALE: AS NOTED

D



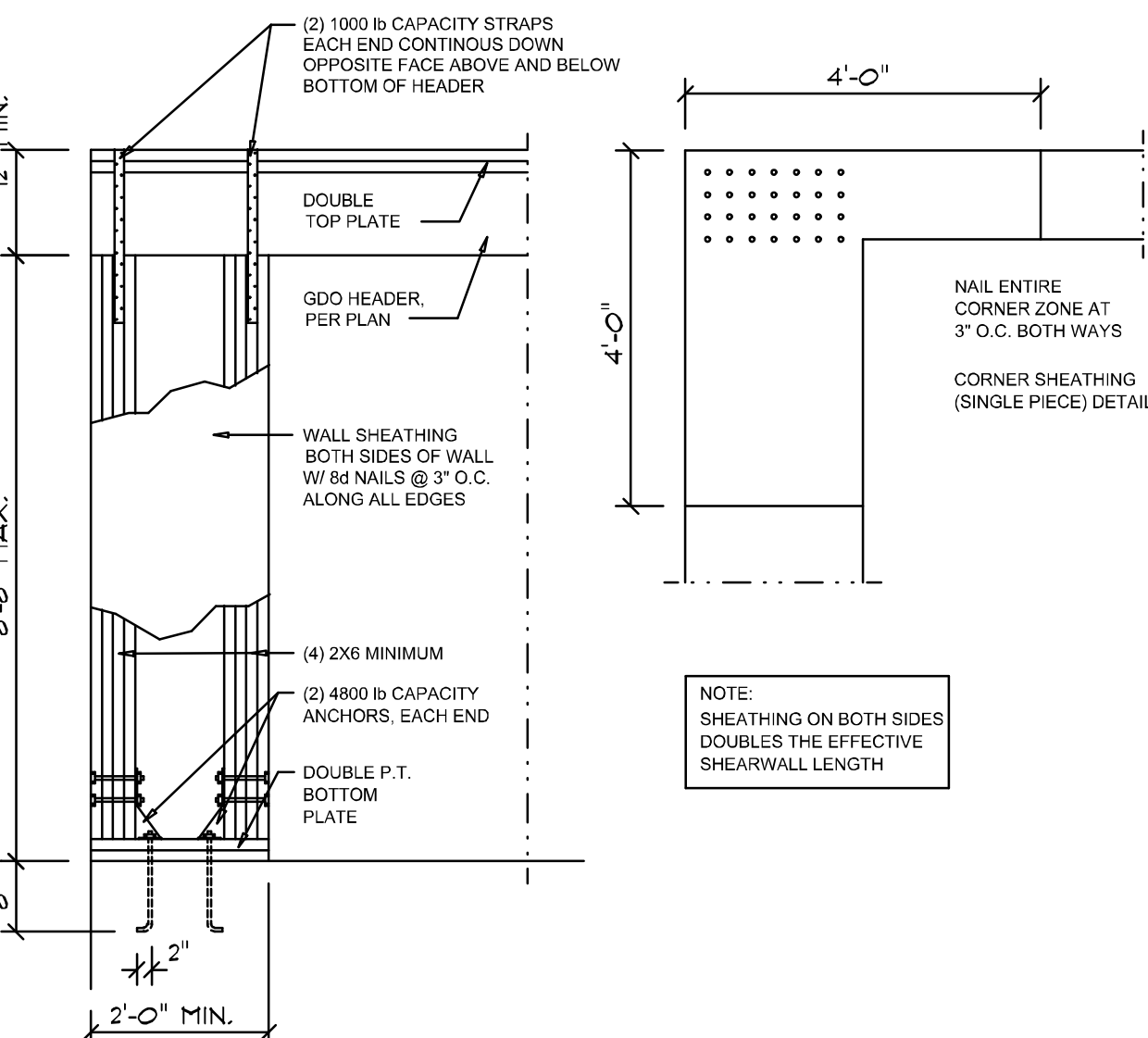
SHEARWALL NOTES:  
1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBCI 305.4.3.  
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.  
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.  
4. NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.  
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 50% TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 8'-0" WALLS (2-3').

OPENING WIDTH	JACK STUDS	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

### Shear Wall DETAILS

SCALE: NONE

E



### Garage End Wall DETAILS

SCALE: 1/2" = 1'-0"

G

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

REVISIONS  
November 05, 2024

SOFTPLAN  
ARCHITECTURAL DRAFTING SOFTWARE

Plans  
Reviewed  
for Code  
Compliance  
1/4" = 1'-0"

DETAILS SHEET  
SCALE:  
1/4" = 1'-0"

A CUSTOM HOME DESIGN FOR:  
**Francis & Margaret Neylon**  
PROJECT ADDRESS: 356 SE Nature Drive, Lake City, Florida (Columbia County)

Digitally signed by  
Nicholas P Geisler  
Date: 2025.02.28  
17:31:11 -05'00' AEST

**NICHOLAS PAUL GEISLER**  
ARCHITECT  
N.C.A.R.B. Certified (380) 365-4355  
1756 NW Brown Rd.  
Lake City, FL 32055

JOB NUMBER  
20240315

SHEET NUMBER  
**S.4**  
OF 4 SHEETS