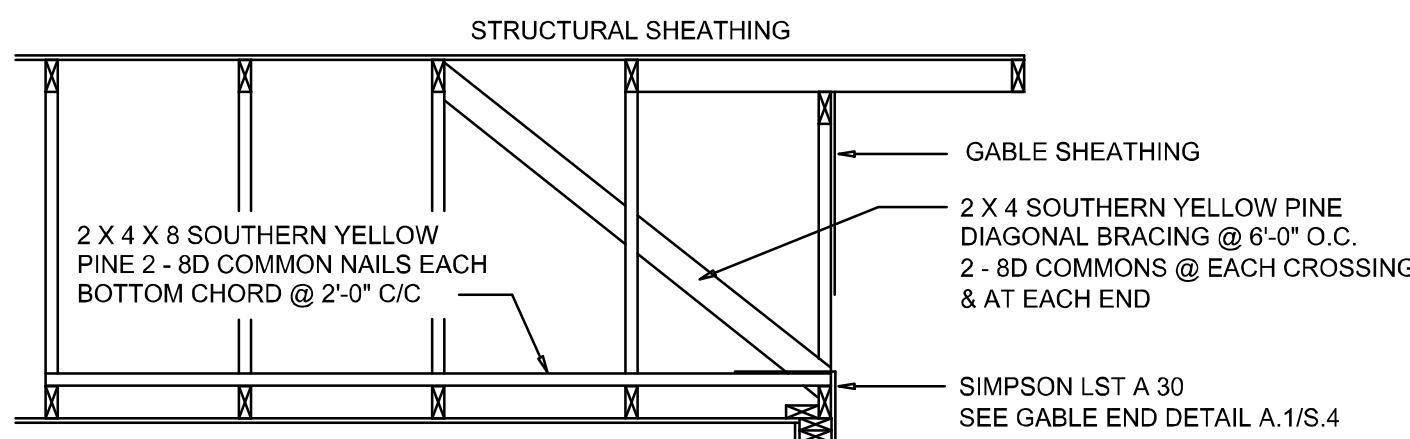


GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

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°

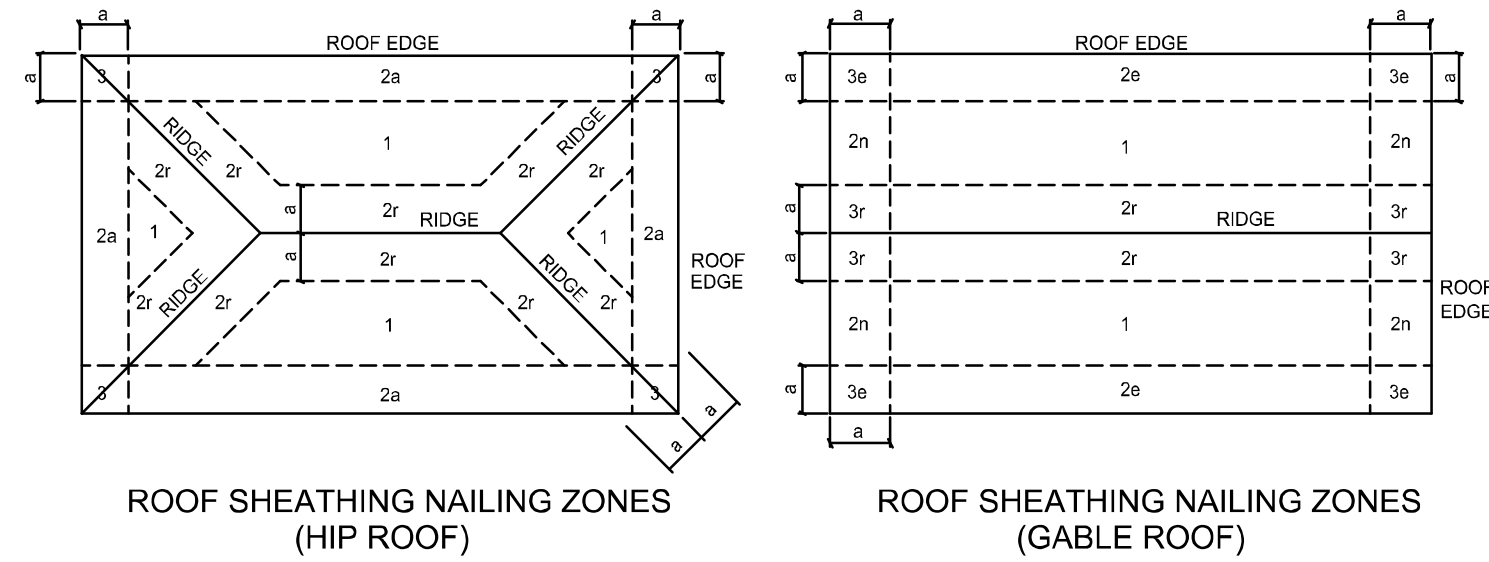
ZONE	HEIGHT (FT.)	Roof		Wall		Windward Wall		Leeward Wall	
		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
1	10	10.2	-26.2	11.1	-28.1	11.1	-28.1	11.1	-28.1
1	20	10	-26	10	-26	10	-26	10	-26
1	30	10	-26	10	-26	10	-26	10	-26
2	10	10.2	-26.2	11.1	-28.1	11.1	-28.1	11.1	-28.1
2	20	10	-26	10	-26	10	-26	10	-26
2	30	10	-26	10	-26	10	-26	10	-26
3	10	10.2	-26.2	11.1	-28.1	11.1	-28.1	11.1	-28.1
3	20	10	-26	10	-26	10	-26	10	-26
3	30	10	-26	10	-26	10	-26	10	-26
4	10	14.3	-35.5	15.5	-38.5	15.5	-38.5	15.5	-38.5
4	20	13.6	-34.8	14.8	-36.1	14.8	-36.1	14.8	-36.1
4	30	12.8	-34	13.9	-35.2	13.9	-35.2	13.9	-35.2
5	10	18.1	-45.1	19.3	-50.4	19.3	-50.4	19.3	-50.4
5	20	16.8	-43.5	18.2	-48.2	18.2	-48.2	18.2	-48.2
5	30	15.6	-41.8	17.4	-46.1	17.4	-46.1	17.4	-46.1
6	10	22.8	-57.4	24.6	-66.3	24.6	-66.3	24.6	-66.3
6	20	21.2	-55.2	23.2	-63.2	23.2	-63.2	23.2	-63.2
6	30	19.6	-52.8	21.6	-59.6	21.6	-59.6	21.6	-59.6

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

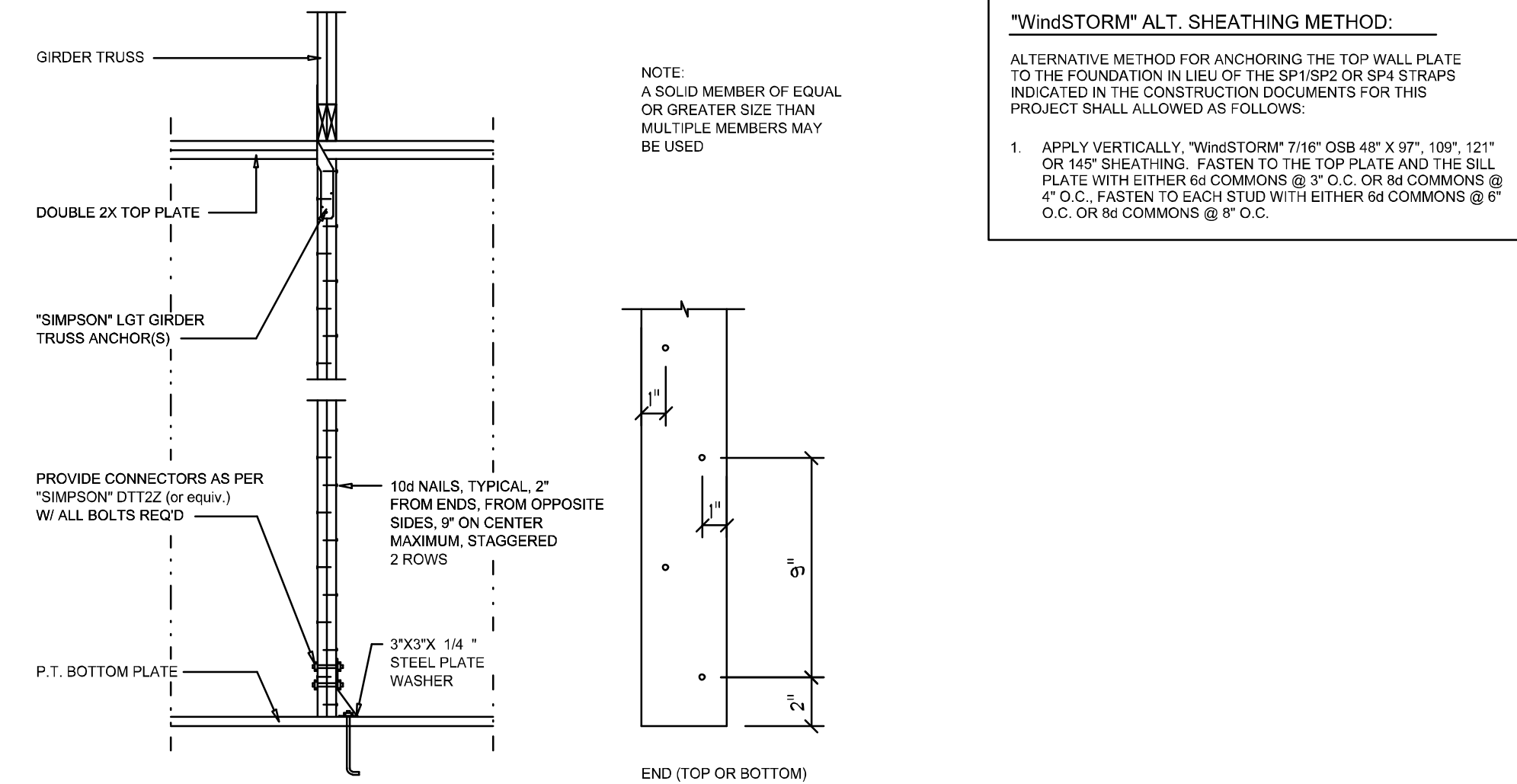
BLDG HEIGHT (ft.)	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	.82	1.21	1.47
20	.89	1.29	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66



Roof Nail Pattern DET.

SCALE: NONE

B



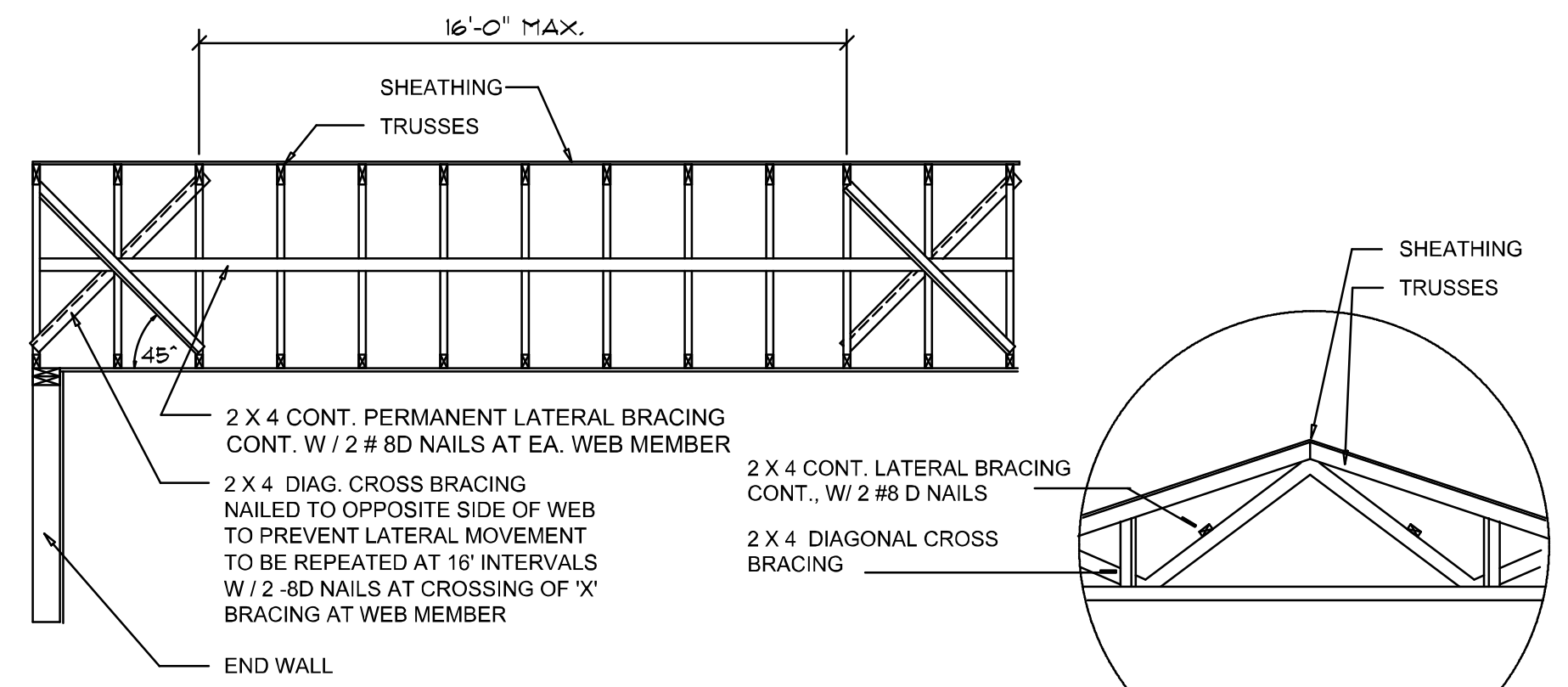
Girder Truss Column DET.

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

C

HEADER SPANS FOR EXTERIOR BEARING WALLS

HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)		
		20'	28'	36'
ROOF, CEILING	2-2x4	3'-6"	3'-2"	2'-10"
	2-2x6	5'-5"	4'-8"	4'-2"
	2-2x8	6'-10"	5'-11"	5'-4"
	2-2x10	8'-5"	7'-3"	6'-6"
	2-2x12	9'-9"	8'-5"	7'-6"
	3-2x8	8'-4"	7'-5"	6'-8"
	3-2x10	10'-6"	9'-1"	8'-2"
	3-2x12	12'-2"	10'-7"	9'-5"
	4-2x8	9'-2"	8'-4"	9'-2"
	4-2x10	11'-8"	10'-6"	9'-5"
4-2x12	14'-1"	12'-2"	10'-11"	



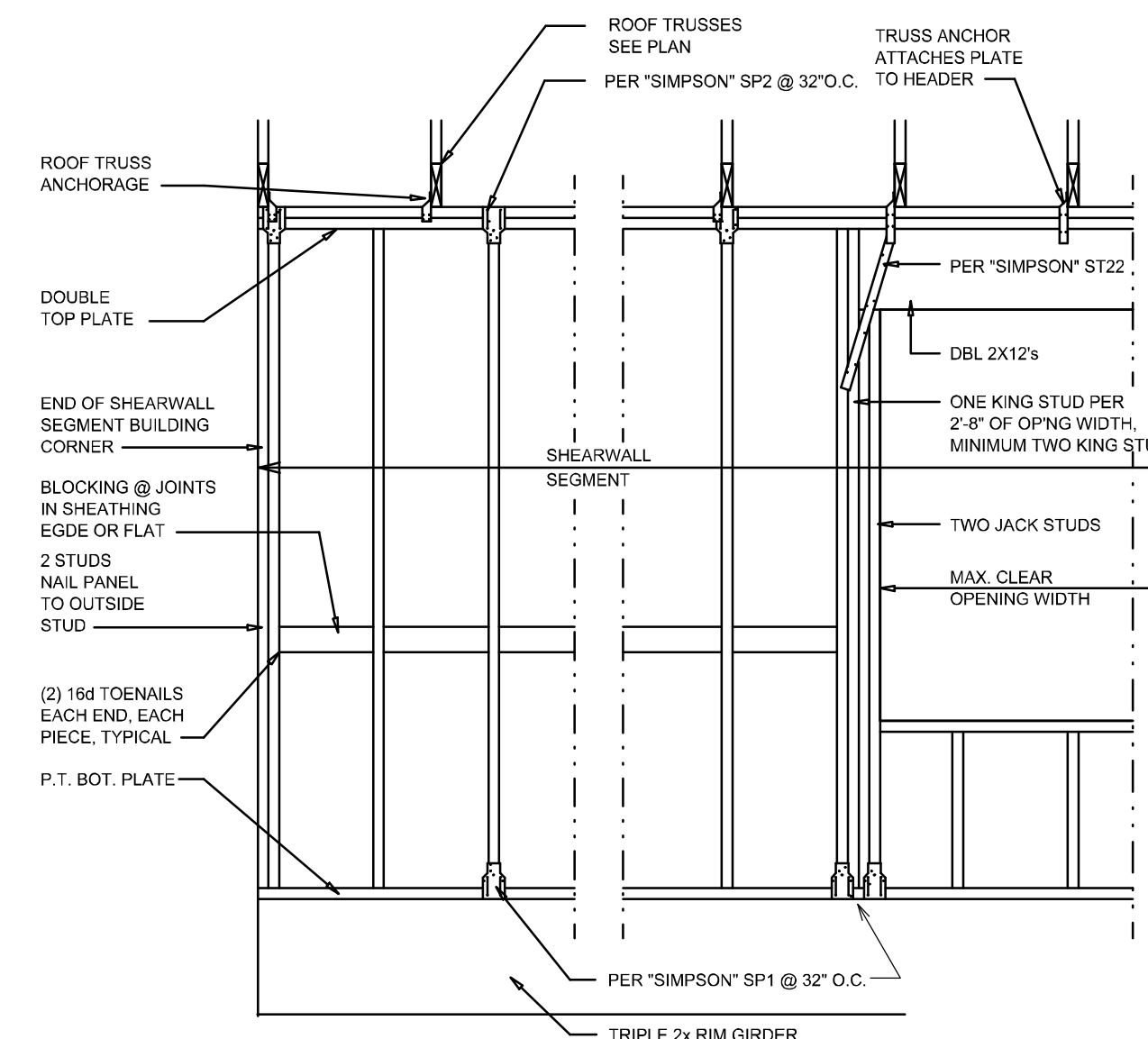
TYP. PERMANENT TRUSS BRACING DIA.

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

Truss Bracing DETAILS

SCALE: AS NOTED

D



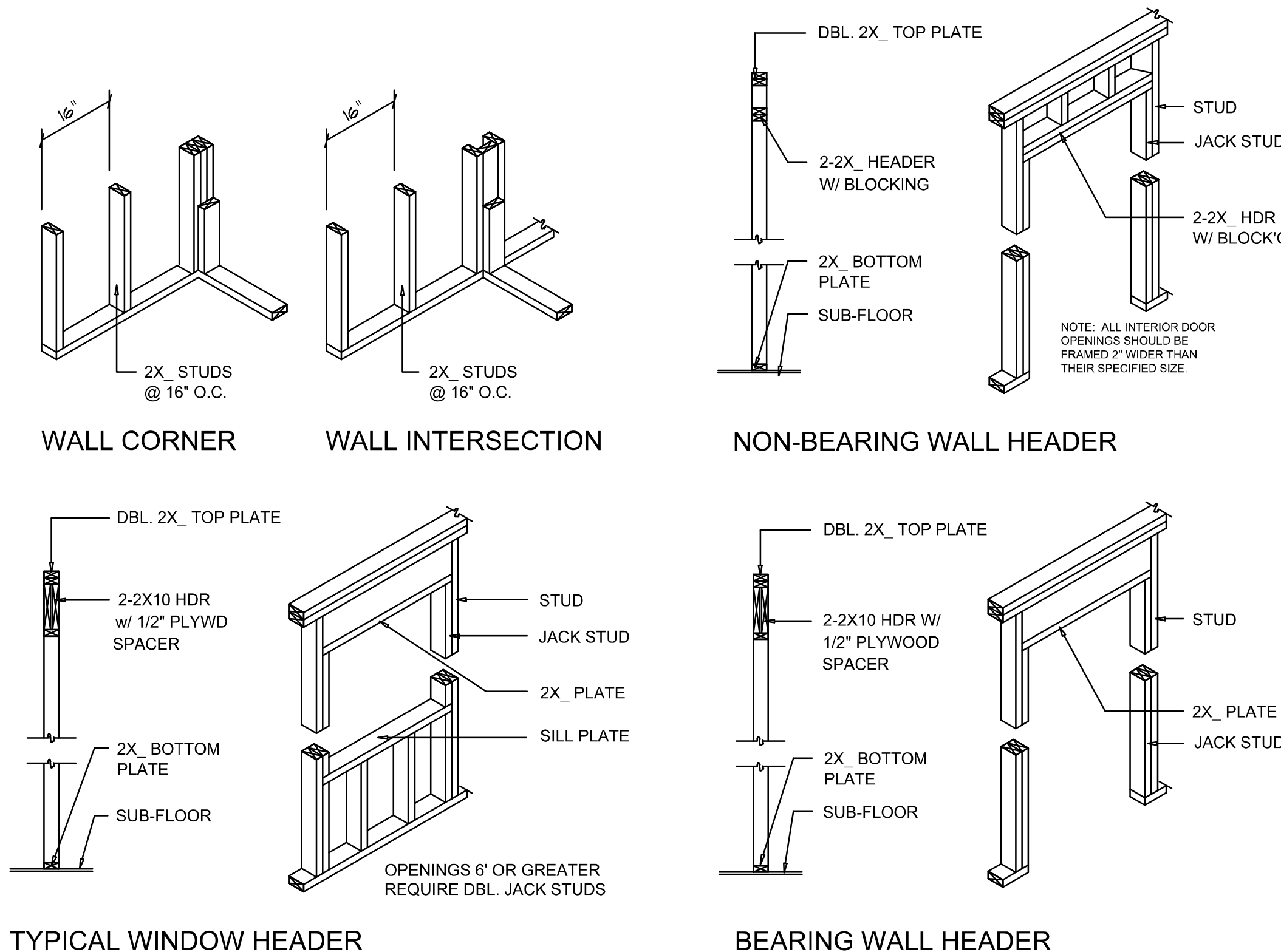
- #### SHEARWALL NOTES:
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBC03 305.4.3.
 - THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
 - ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
 - NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
 - TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/8 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

E

Shear Wall DETAILS

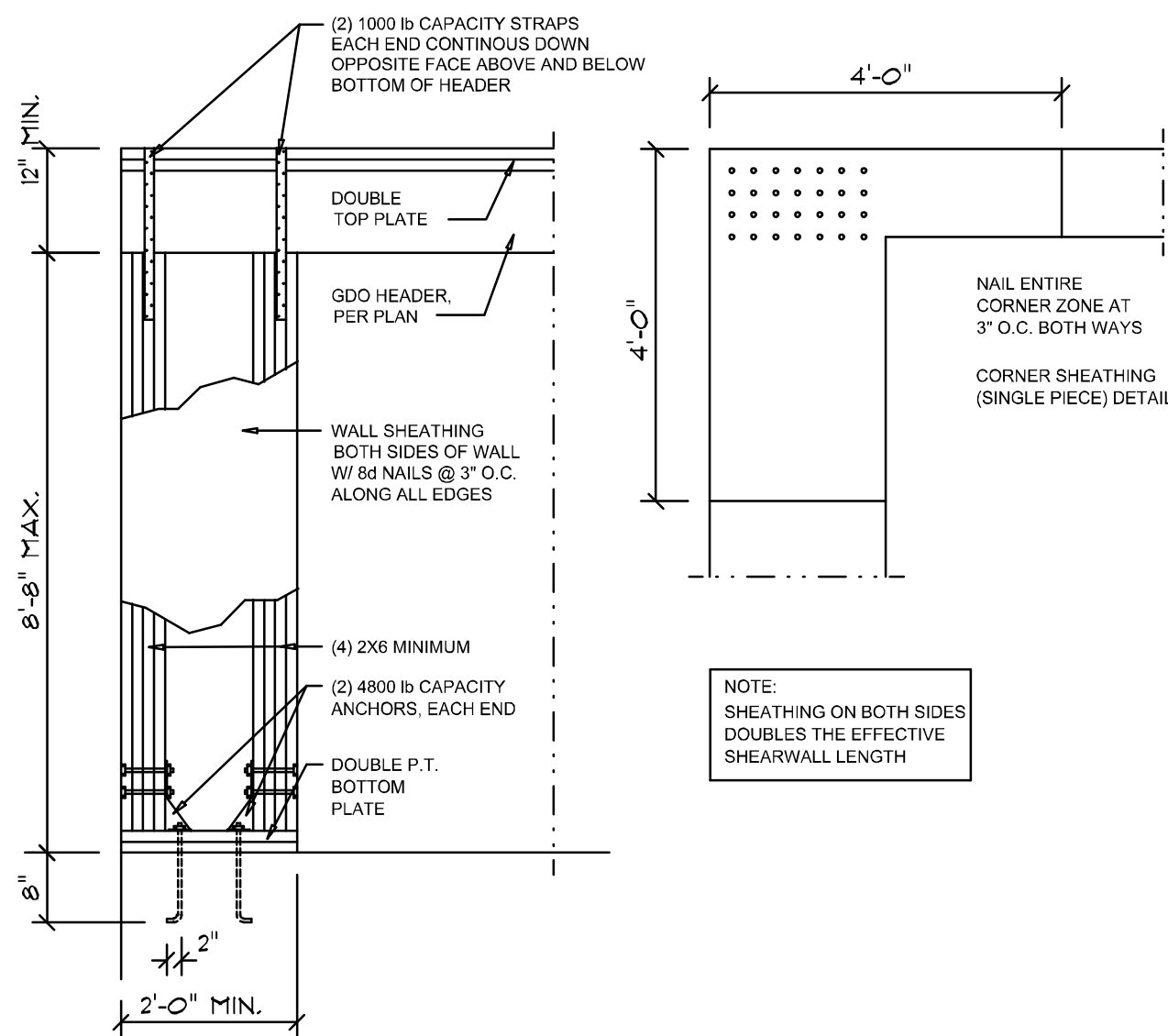
SCALE: NONE



Wall Framing/Header DETAILS

SCALE: NONE

F



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 SOFTWARE

DETAILS SHEET
SCALE: 1/2" = 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 -0500

NICHOLAS PAUL ARCHITECT
1756 NW Brown Rd.
Lake City, FL 32065
N.C.A.R.B. Certified (386) 365-4355

JOB NUMBER
20240315

SHEET NUMBER
S.4
OF 4 SHEETS