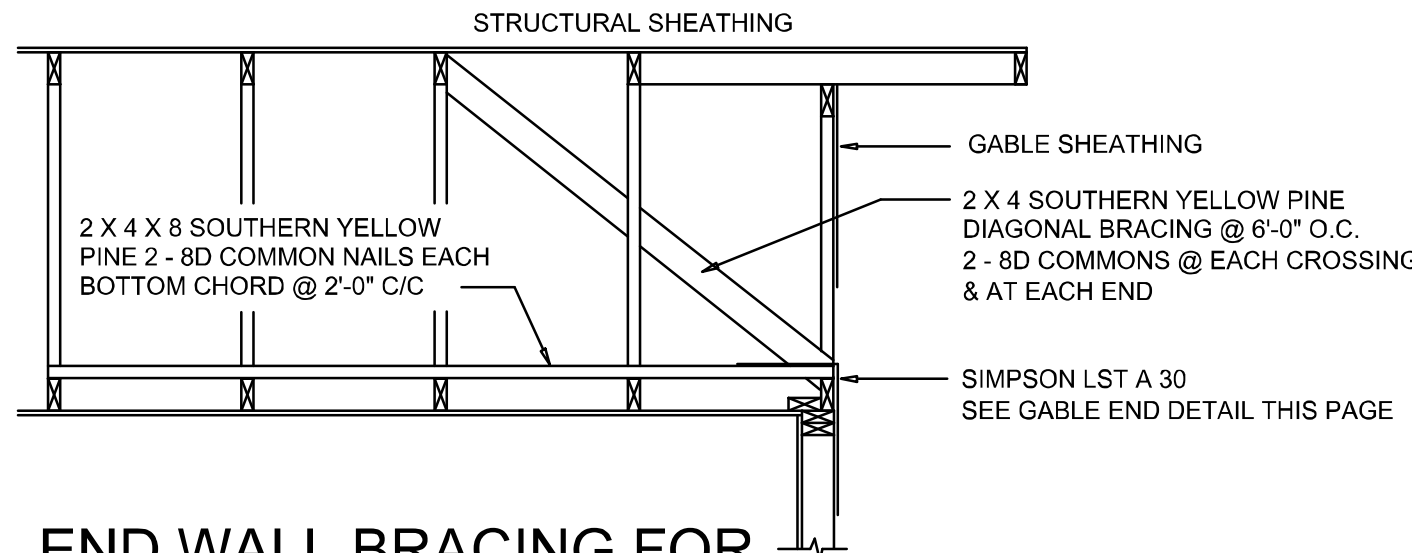


GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1



END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)

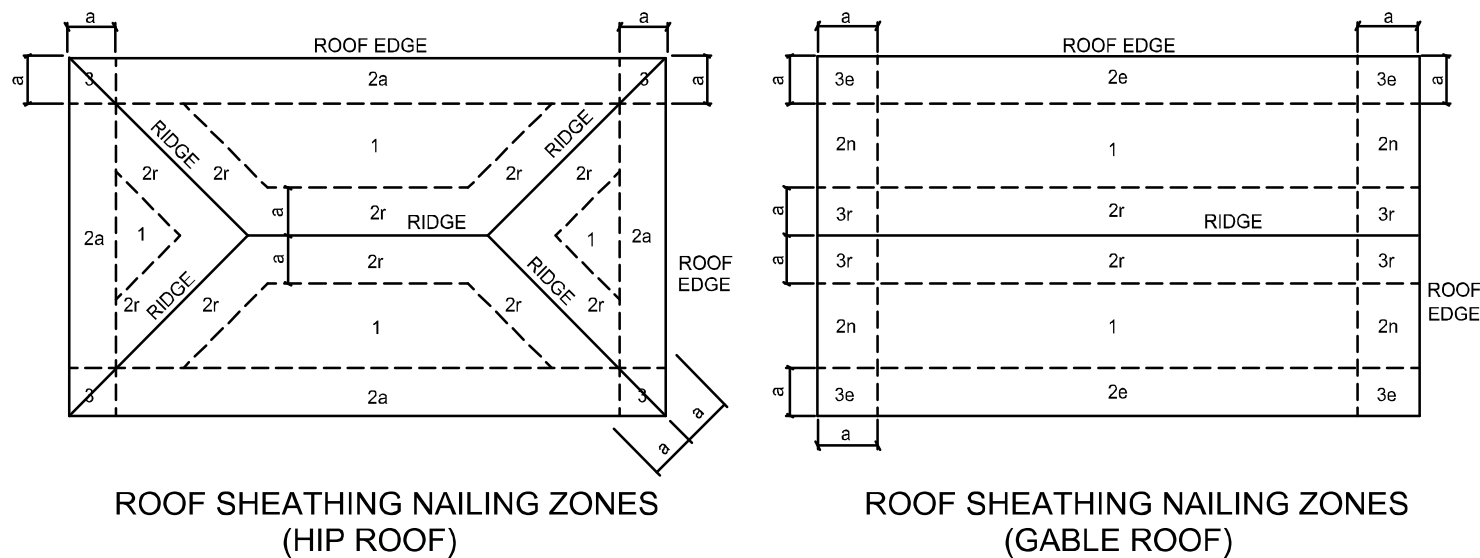
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

A

BUILDING COMPONENTS & CLADDING LOADS		MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 21° TO 45°											
ZONE	AREA (ft ²)	Vult 115 MPH		Vult 120 MPH		Vult 130 MPH		Vult 140 MPH		Vult 150 MPH		Vult 160 MPH	
		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
ROOF 21° TO 45°	1	5	10.2	-26.5	11.1	-26.1	13	-26	15.1	-25.7	16	-25.7	16.7
	1	20	10	-10	10	-19.5	11.3	-23	13.1	-26.7	14	-26.7	14.7
	1	60	10	-16	10	-16.9	10	-19.2	10.9	-22.2	10	-22.2	10.7
	1	100	10	-12.7	10	-13.8	10	-16.2	10	-18.8	10	-18.8	10.3
	2a	10	10.2	-26.2	11.1	-26.9	13	-26.9	15.1	-26.9	15.1	-26.9	15.1
	2b	30	10	-18.1	10	-20.9	11.3	-24.4	13.1	-26.1	13	-26.1	13.7
	3a	30	10	-11.9	10	-12.9	10	-15.1	10.9	-17.6	10	-17.6	10.3
	3b	100	10	-11.9	10	-12.9	10	-15.1	10	-17.6	10	-17.6	10.3
	2	10	10.2	-26.6	11.1	-26.3	13	-26.1	15.1	-26.4	14	-26.4	14.7
	2	30	10	-26.7	10	-26	11.3	-26.8	13.1	-26.1	13	-26.1	13.7
WALL	1	30	10	-19.2	10	-20.9	10	-23.5	12.5	-26.1	13	-26.1	13.7
	2	100	10	-14.3	10	-15.5	10	-18.2	10	-21.2	10	-21.2	10.7
	3	10	10.2	-22.7	11.1	-23.6	13	-24.7	13.1	-26.4	14	-26.4	14.7
	3	30	10	-24.6	10	-26.7	11.3	-28.4	13.1	-30.4	13	-30.4	13.7
	3	30	10	-14.3	10	-15.5	10	-18.2	10.9	-21.2	10	-21.2	10.7
	3	100	10	-14.3	10	-15.5	10	-18.2	10	-21.2	10	-21.2	10.7
	4	10	14.3	-15.5	10.5	-16.9	10.2	-19.8	21.2	-22.9	10	-22.9	10.7
	4	30	13.6	-14.9	14.9	-16.1	17.4	-19	20.2	-22	10	-22	10.7
	4	10	12.8	-14	13.9	-15.2	16.3	-17.9	19	-20.7	10	-20.7	10.7
	4	100	12.1	-14.9	13.9	-16.6	16.3	-17.1	19	-20.4	10	-20.4	10.7

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	1.41
20	.89	1.29	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66



ROOF SHEATHING NAILING ZONES (HIP ROOF)

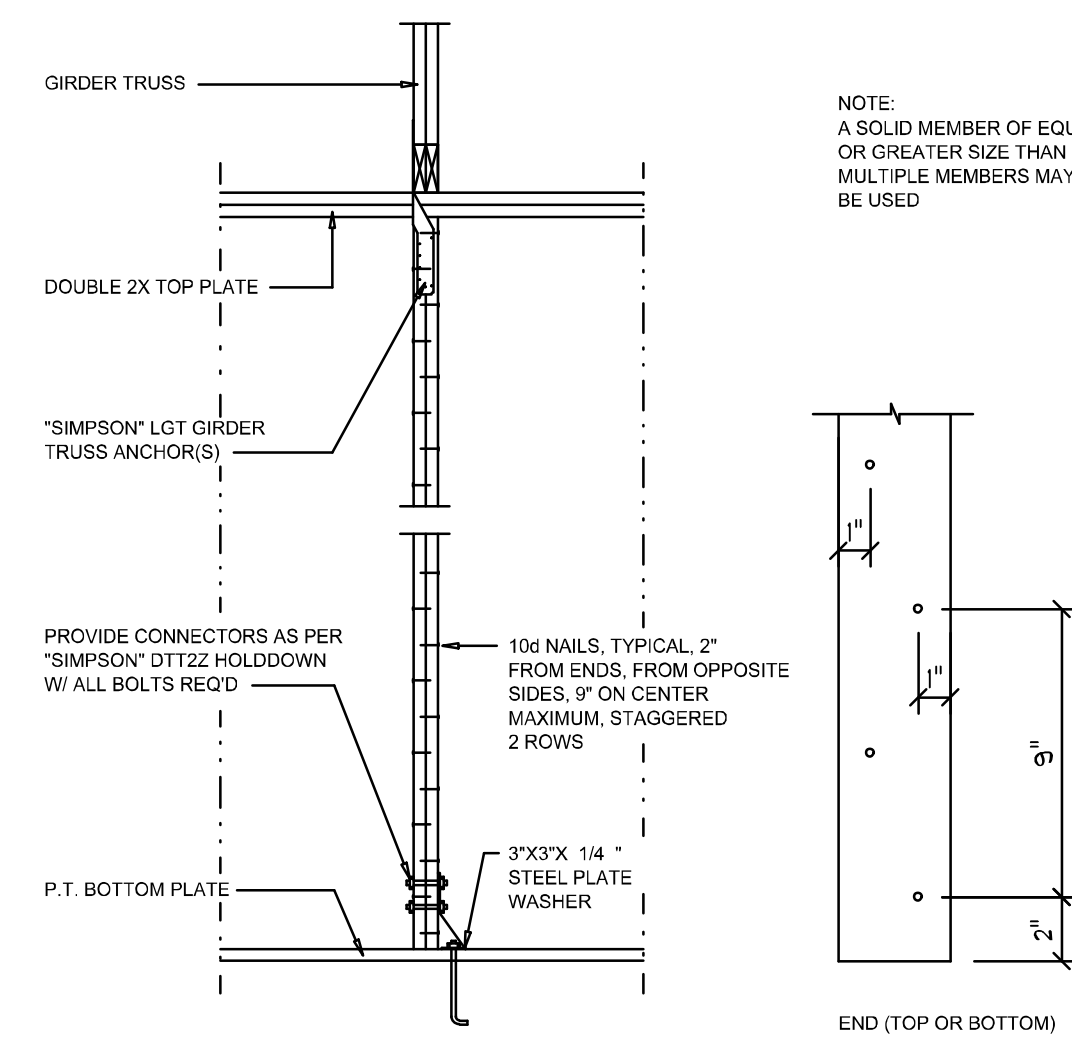
ROOF SHEATHING NAILING ZONES (GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE

B

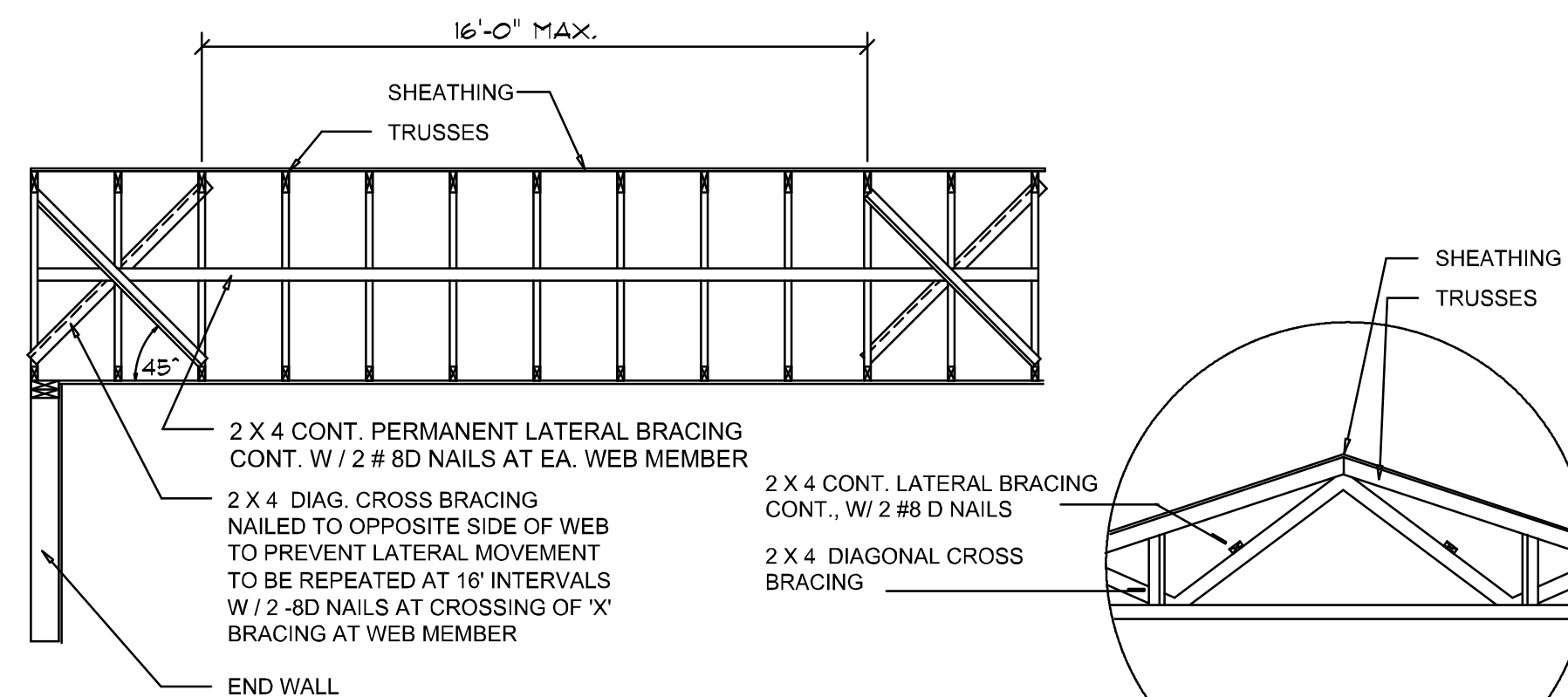
HEADER SPANS FOR EXTERIOR BEARING WALLS				
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)		
		20' SPAN # JACKS	28' SPAN # JACKS	36' SPAN # JACKS
ROOF, CEILING	2-2x4	3'-6" 1	3'-2" 1	2'-10" 1
	2-2x6	5'-5" 1	4'-8" 1	4'-2" 1
	2-2x8	6'-10" 1	5'-11" 2	5'-4" 1
	2-2x10	8'-5" 2	7'-3" 2	6'-6" 2
	2-2x12	9'-9"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



Girder Truss Column DET.

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

C



TYP. PERMANENT TRUSS BRACING DIA.

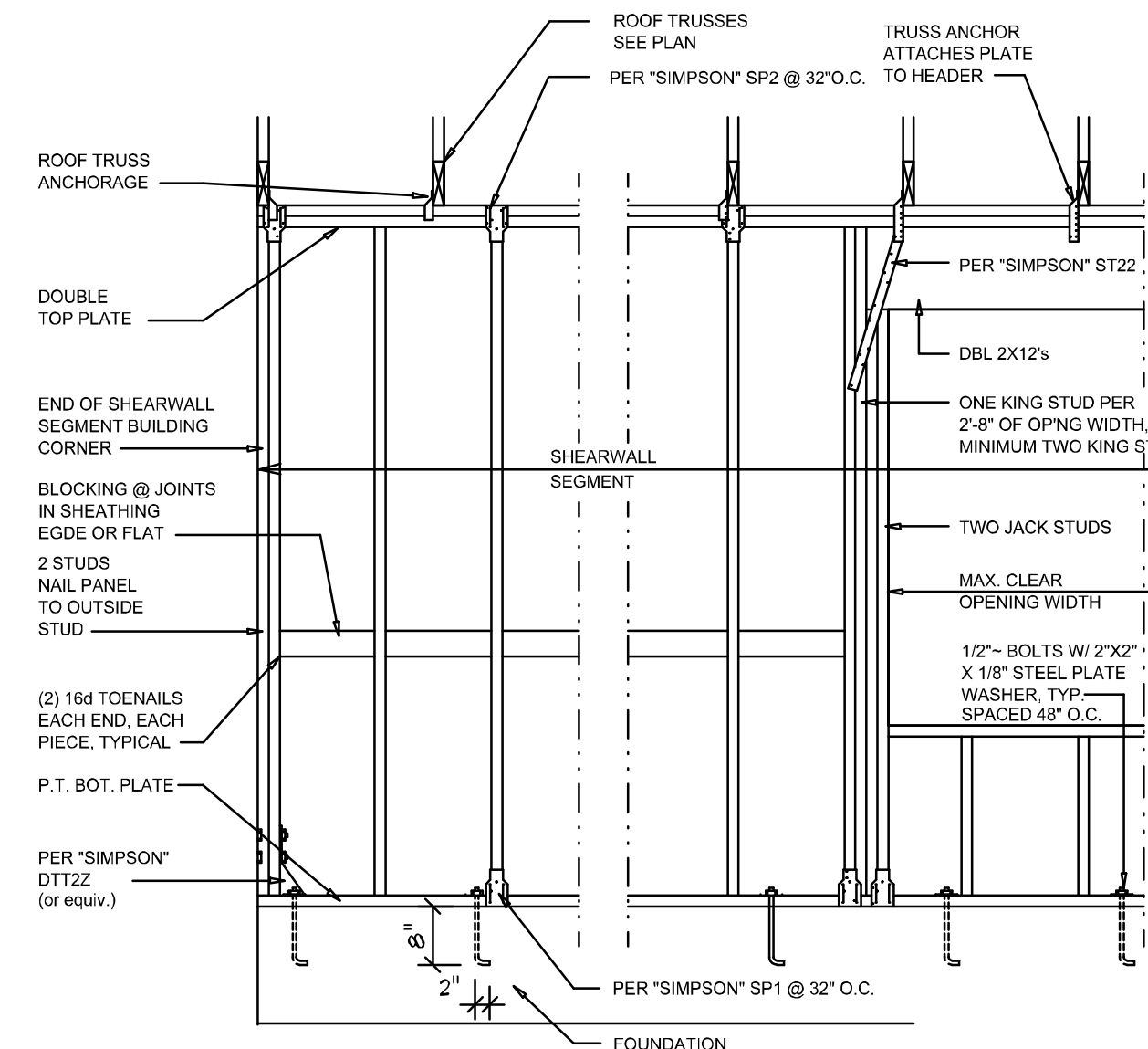
NTS

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

Truss Bracing DETAILS

SCALE: AS NOTED

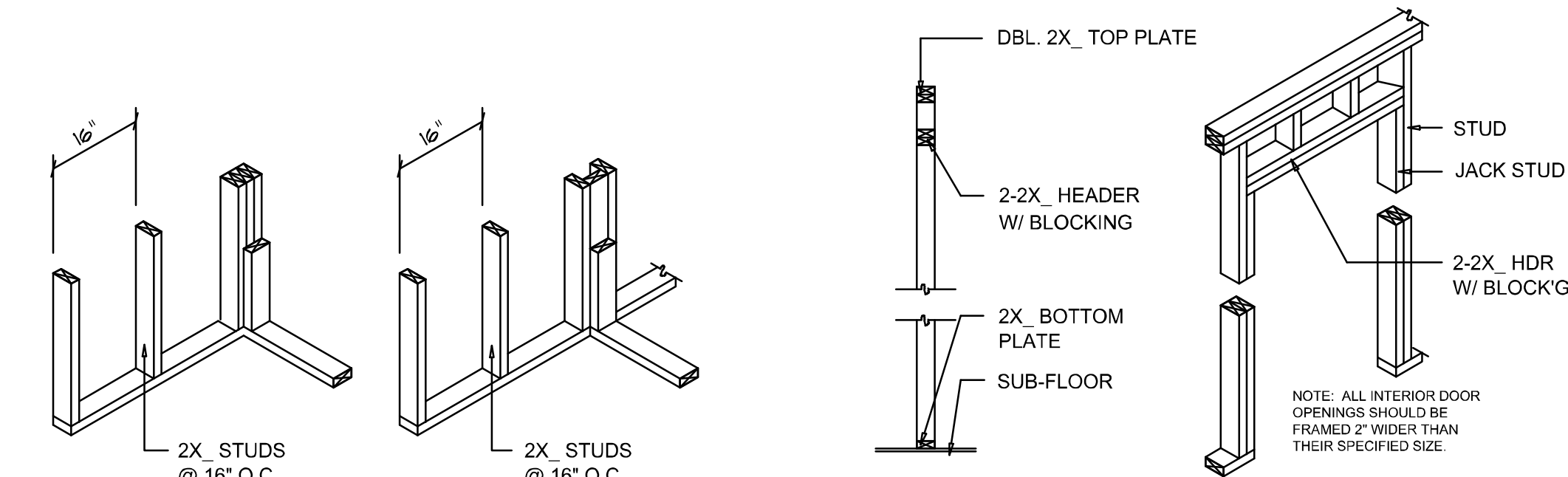
D



SHEARWALL NOTES:

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 S8801 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 4" O.C. EDGES AND 8" O.C. IN THE FIELD.
- TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 6'-0" WALLS (2'-3").

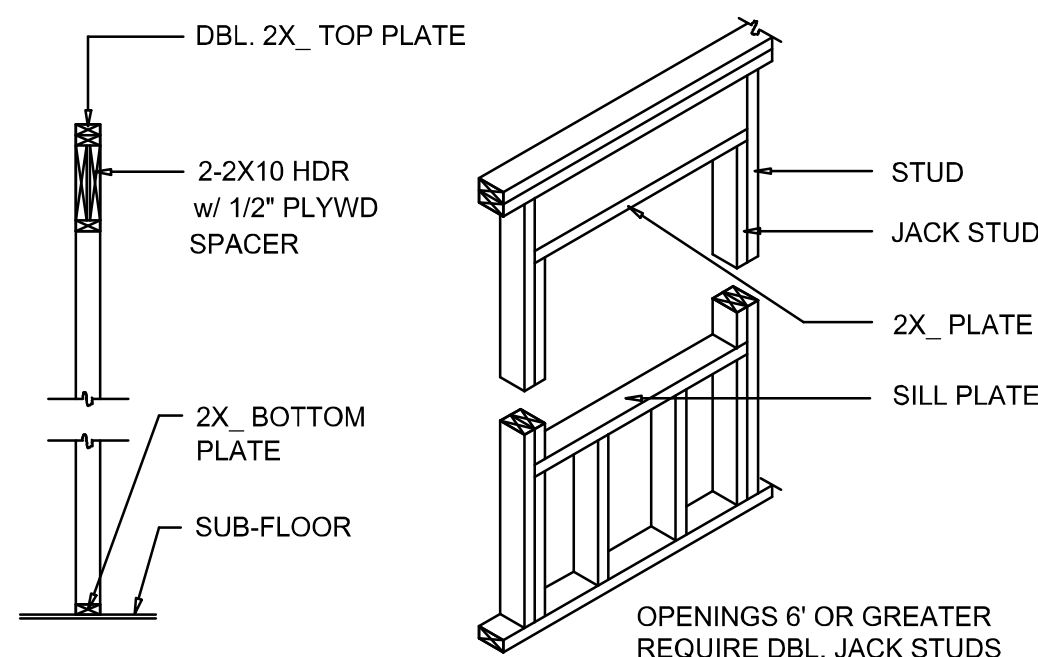
OPENINGS WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3



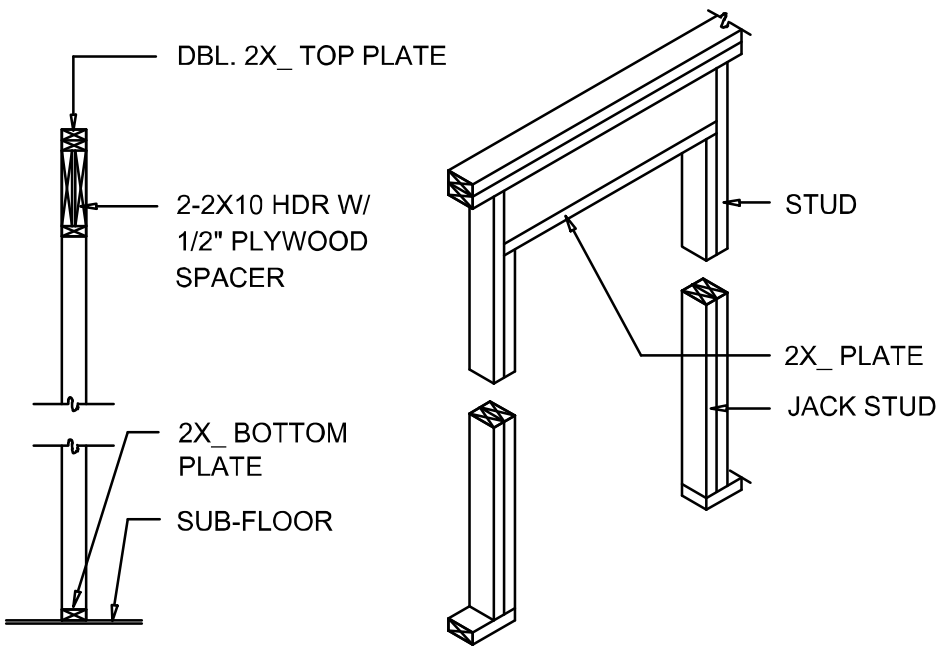
WALL CORNER

WALL INTERSECTION

NON-BEARING WALL HEADER



TYPICAL WINDOW HEADER



BEARING WALL HEADER

Wall Framing/Header DETAILS

SCALE: NONE

F

Shear Wall DETAILS

SCALE: NONE

E

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



REVISIONS
December 05, 2024

SOFTPLAN
ARCHITECTURAL SOFTWARE

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

MODEL 1311 FOR:
Ben Martin
LOT 3 MAYFAIR SUBDIVISION UNIT 5, LAKE CITY, FLORIDA

Digitally signed by Nicholas P Geisler
Date: 2024.12.23 11:47:07 -05'00'
AR0001006

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1756 NW Brown Rd.
Lake City, FL 32055
(386) 365-4355

JOB NUMBER
20241205

SHEET NUMBER
S.4
OF 4 SHEETS