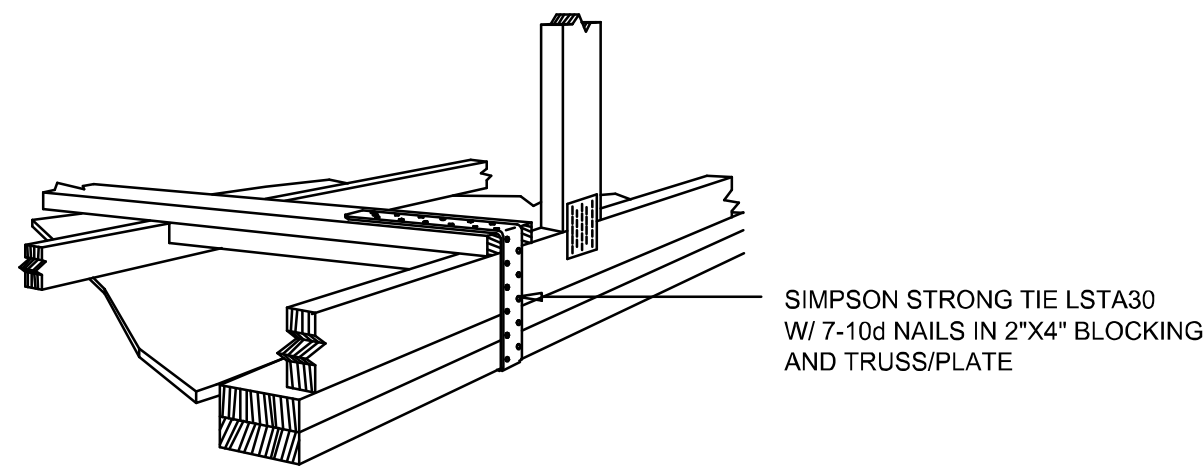
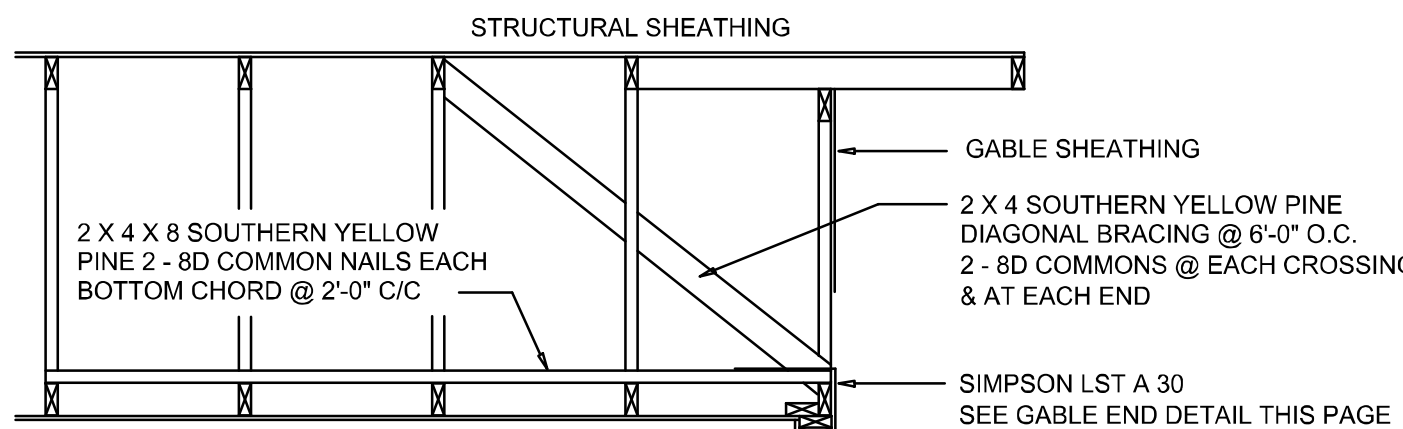




GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1



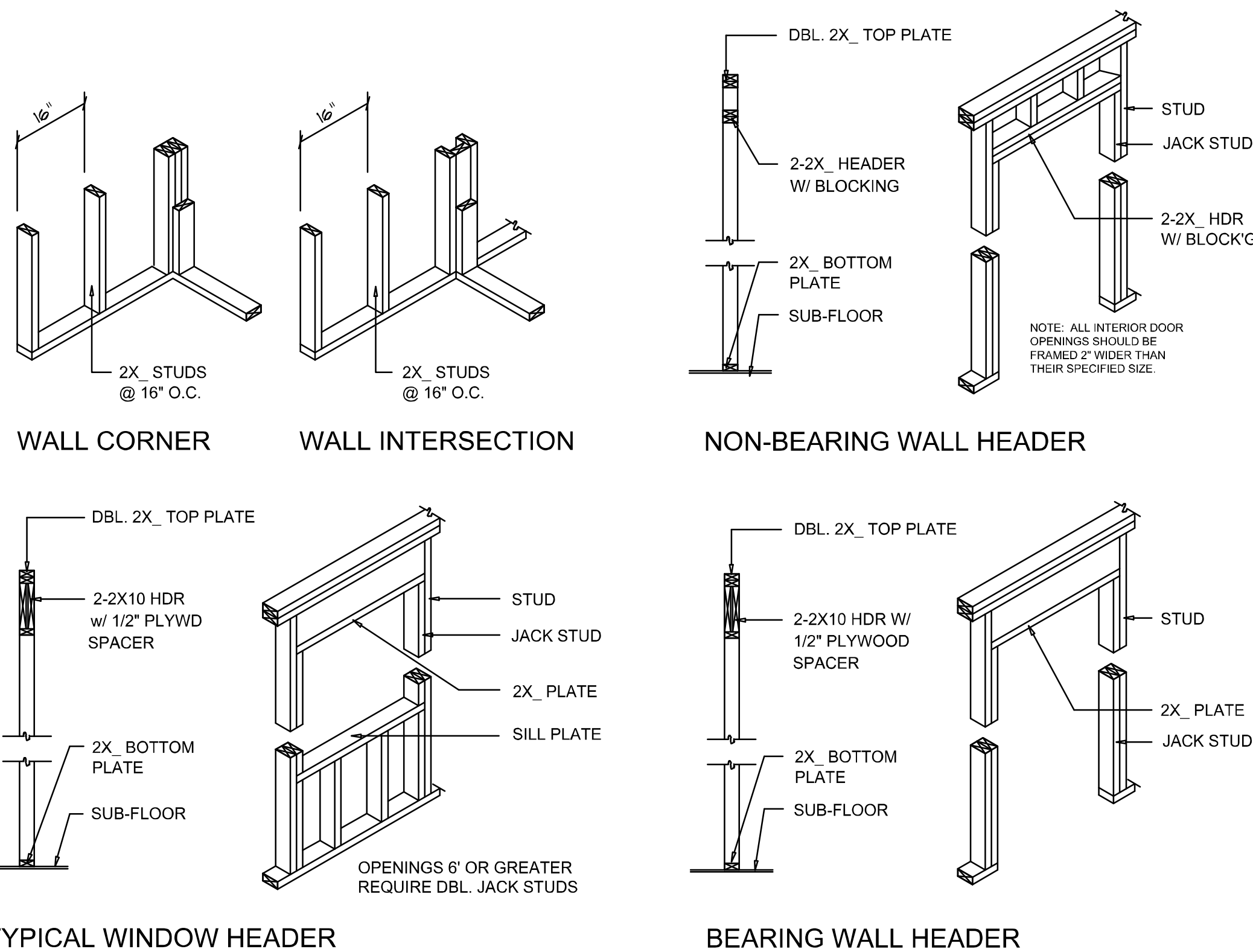
END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)

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

A

45° 21' 0"1' BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 21° TO 45°											
ZONE	WIND AREA (ft²)	Vult ISO MPH		Vult ISO MPH		Vult ISO MPH		Vult ISO MPH		Vult ISO MPH	
		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
ROOF 21° TO 45°	1	10	10.2	-20.3	11.1	-22.1	13	-26	15.1	-26.7	
	1	20	10	-18	10	-19.5	11.3	-23	15.1	-26.7	
	1	30	10	-16	10	-16.3	10	-19.2	15.9	-22.2	
	1	100	10	-12.7	10	-13.8	10	-16.2	16	-18.6	
	26	10	10.2	-20.2	11.1	-22.1	13	-26	15.1	-26.7	
	26	20	10	-19.1	10	-20.9	11.3	-24.4	15.1	-26.3	
	26	30	10	-17.9	10	-19.9	10	-23.5	15.5	-24.6	
	26	100	10	-11.9	10	-12.9	10	-15.1	16.5	-17.6	
	26	100	10	-11.9	10	-12.9	10	-15.1	16	-17.6	
	26	10	10.2	-20.2	11.1	-22.1	13	-26	15.1	-26.7	
WALL	1	10	10	-20.7	10	-22	11.3	-23.8	15.1	-26.1	
	26	10	10	-19.2	10	-20.9	10	-24.5	15.5	-24.4	
	26	100	10	-14.3	10	-15.3	10	-16.2	16	-21.2	
	3	10	10.2	-20.7	11.1	-22.1	13	-26	15.1	-26.7	
	3	20	10	-24.5	10	-26.7	11.3	-29.4	15.1	-26.4	
	3	30	10	-14.3	10	-15.3	10	-16.2	16.5	-21.2	
	3	100	10	-14.3	10	-15.3	10	-16.2	16	-21.2	
	4	10	14.3	-15.5	15.5	-16.9	16.2	-19.8	21.2	-25.9	
	4	20	13.5	-14.8	14.8	-16.1	17.4	-19	20.2	-22	
	4	10	13.5	-14	13.8	-15.2	16.3	-17.9	19	-20.7	
WALL	4	100	12.1	-13.5	13.7	-14.5	15.5	-17.1	19	-20	
	4	500	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8	-17.6	
	5	10	14.3	-16.1	15.5	-20.9	16.2	-24.4	21.2	-28.3	
	5	20	13.5	-17.8	14.8	-19.4	17.4	-22.8	20.2	-26.4	
	5	10	13.5	-16.1	13.8	-17.6	16.3	-20.6	19	-20.6	
5	100	12.1	-14.8	-13.7	-15.1	-15.5	-19	-20	-22	-22	
5	500	10.6	-11.9	-11.6	-12.9	-13.6	-15.1	-15.8	-17.6	-17.6	



Wall Framing/Header DETAILS

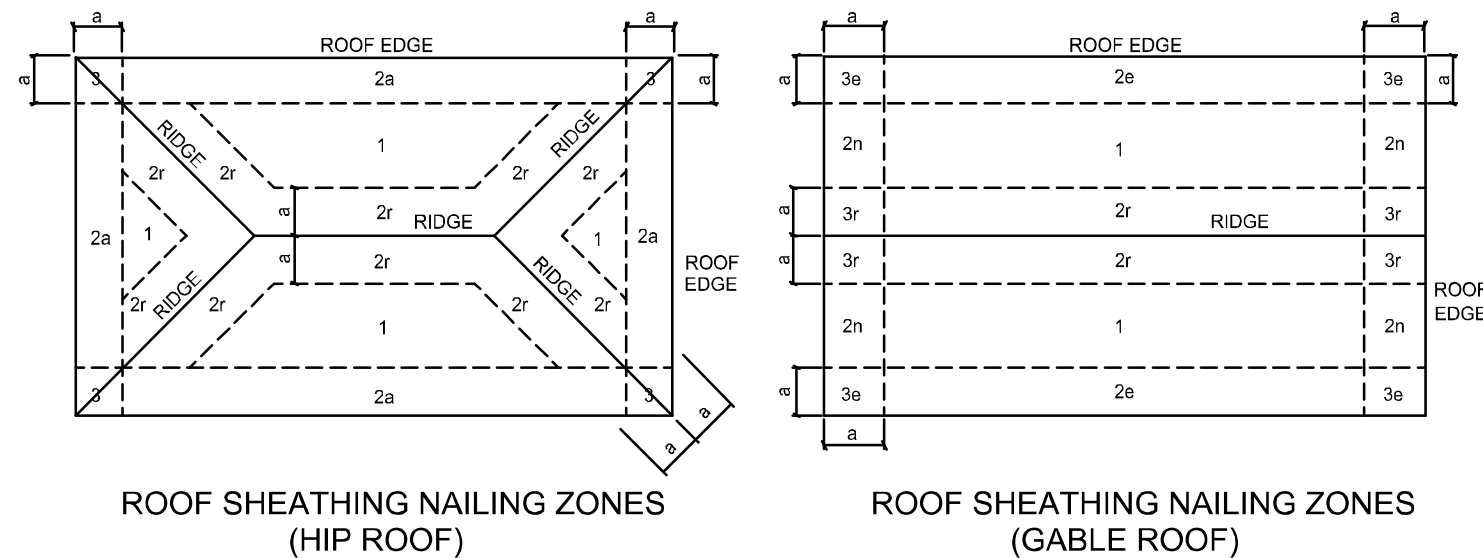
SCALE: NONE

F

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

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

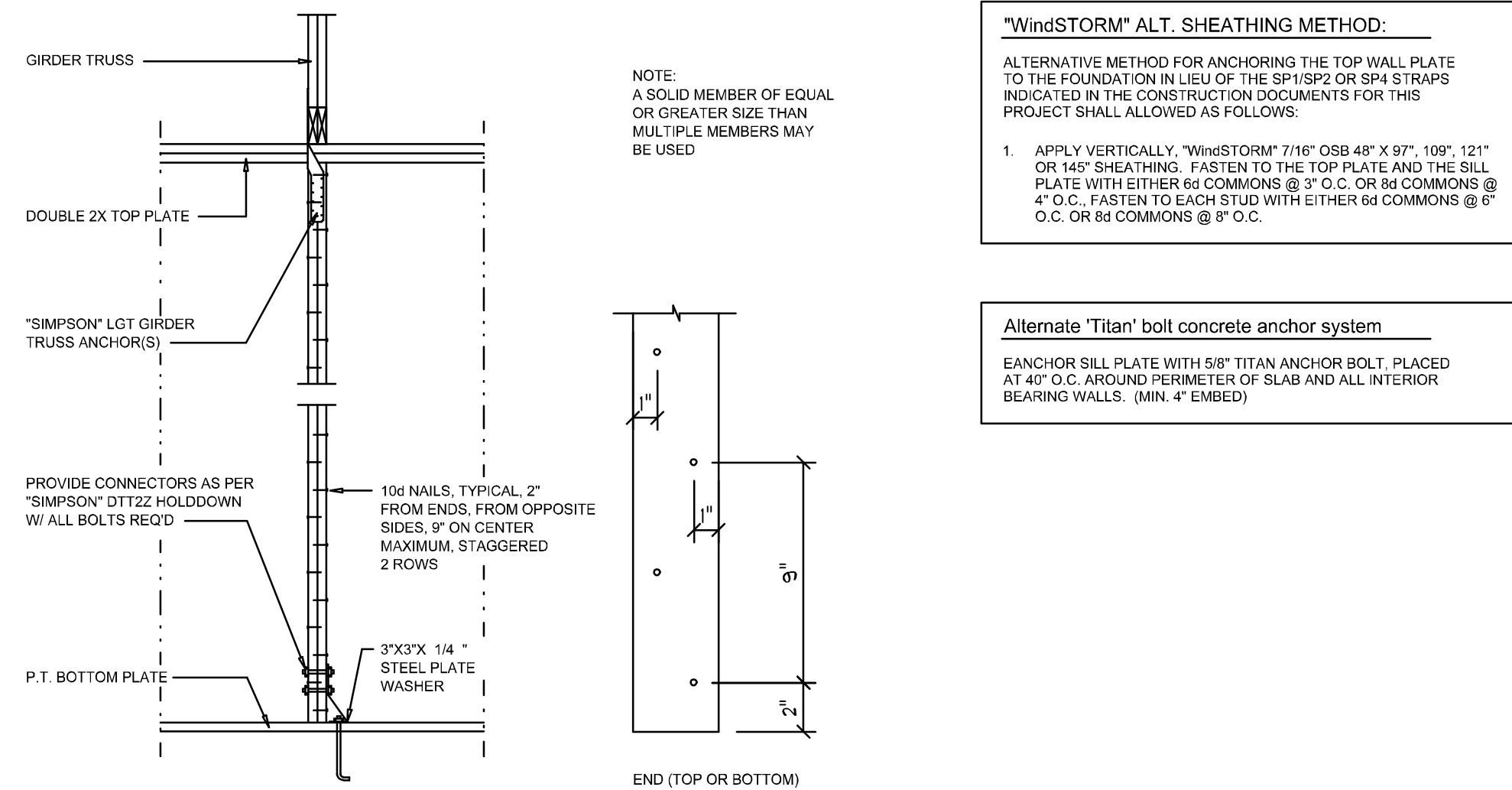
ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16" O.S.B. OR 19/32 CDX PLYWOOD	10d RING SHANK	6 in. o.c. EDGE 6 in. o.c. FIELD
2			4 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



Roof Nail Pattern DET.

SCALE: NONE

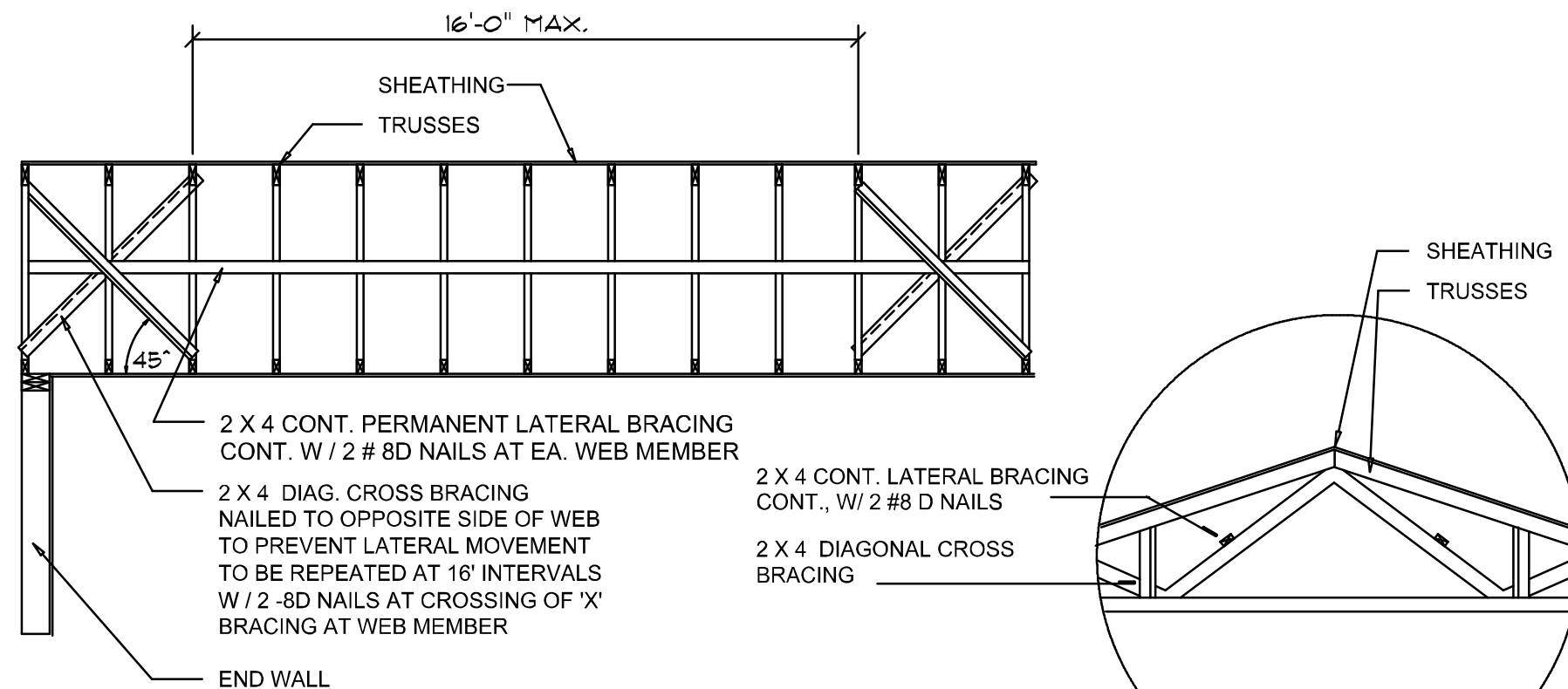
B



Girder Truss Column DET.

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

C



TYP. PERMANENT TRUSS BRACING DIA.

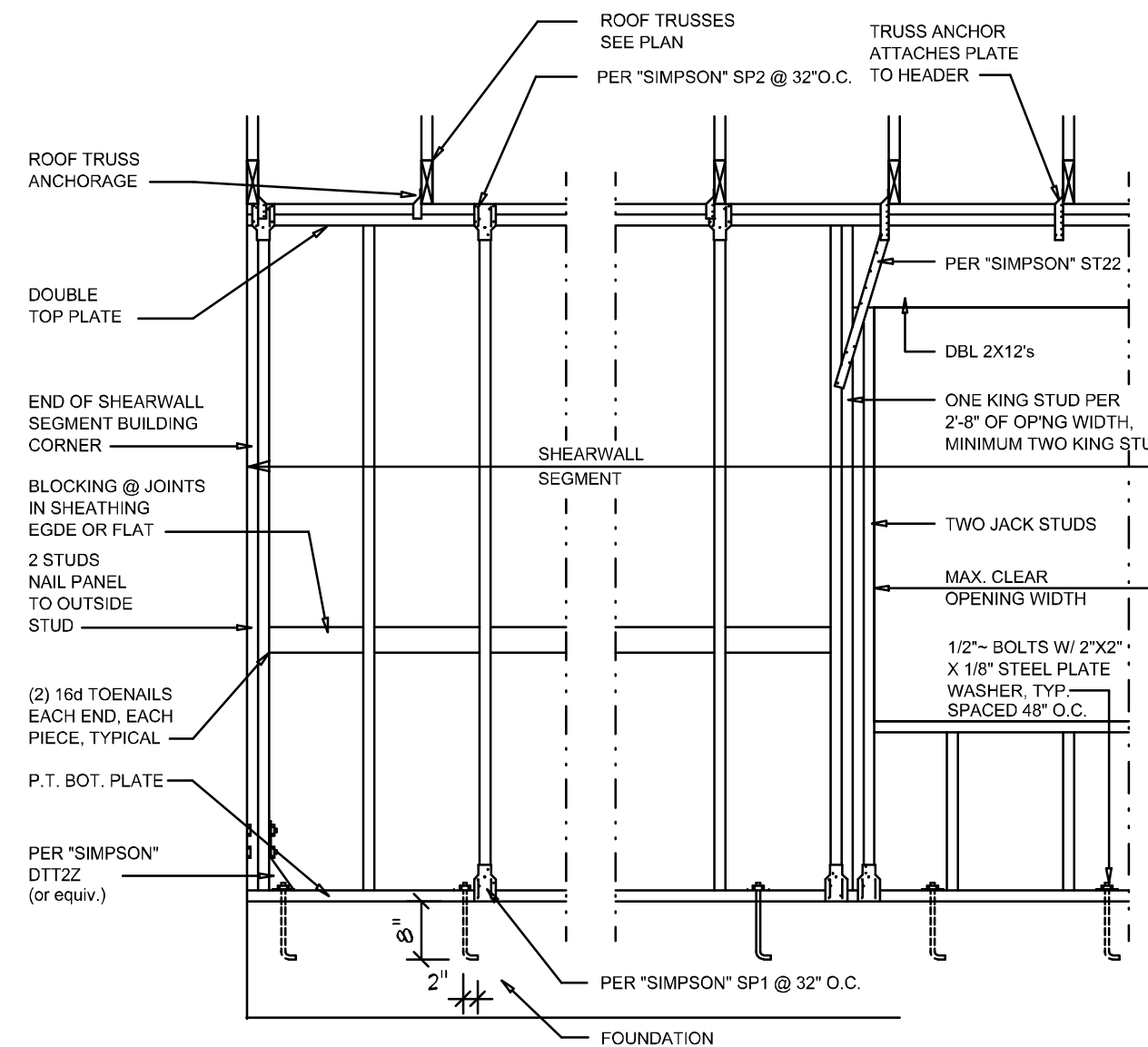
NTS

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

Truss Bracing DETAILS

SCALE: AS NOTED

D



SHEARWALL NOTES:		
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 4" O.C. EDGES AND 8" O.C. IN THE FIELD.		
5. 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	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

Shear Wall DETAILS

SCALE: NONE

E

REVISIONS
January 14, 2025

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A NEW CUSTOM HOME DESIGN FOR:
Timothy & Lisa Bixler
PROJECT ADDRESS: 266 SW CHALLENGER LN., LAKE CITY, FLORIDA 32025

ARCO01005

NICHOLAS PAUL ARCHEL
ARCHITECT
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1756 NW Brown Rd.
Lake City, FL 32065

JOB NUMBER
20241210

SHEET NUMBER
S.4
OF 4 SHEETS