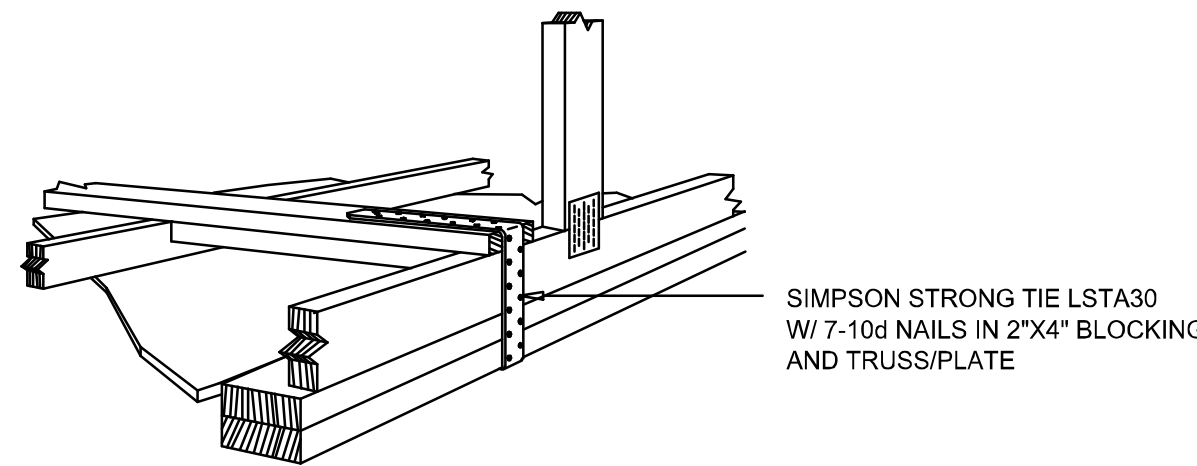
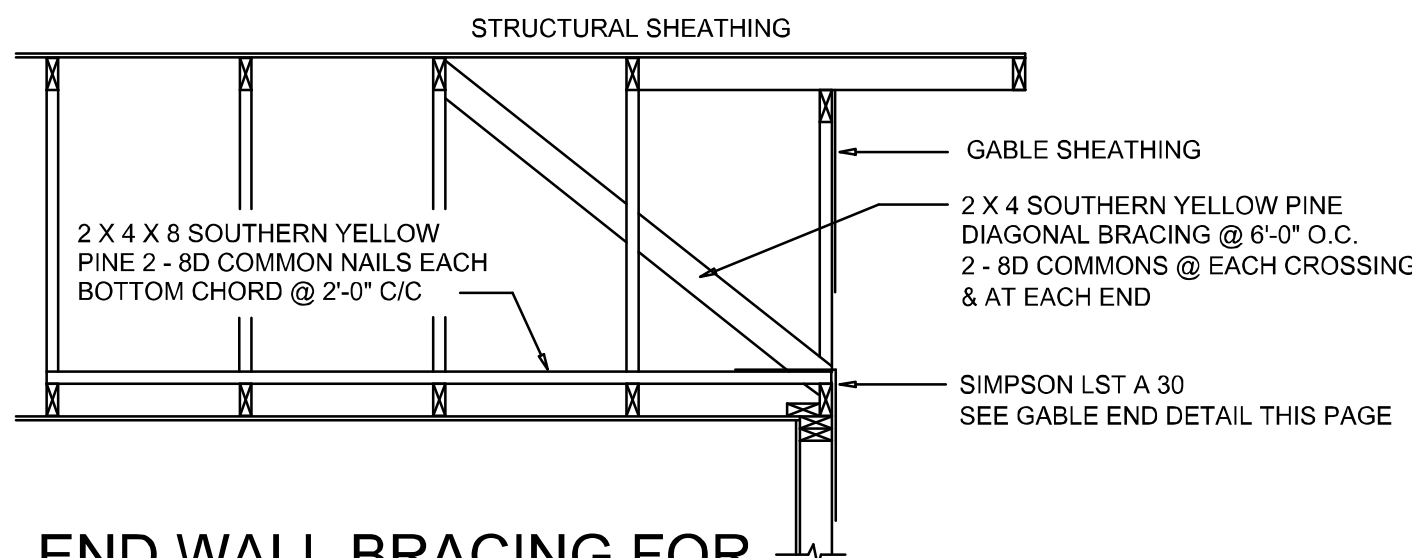




GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1



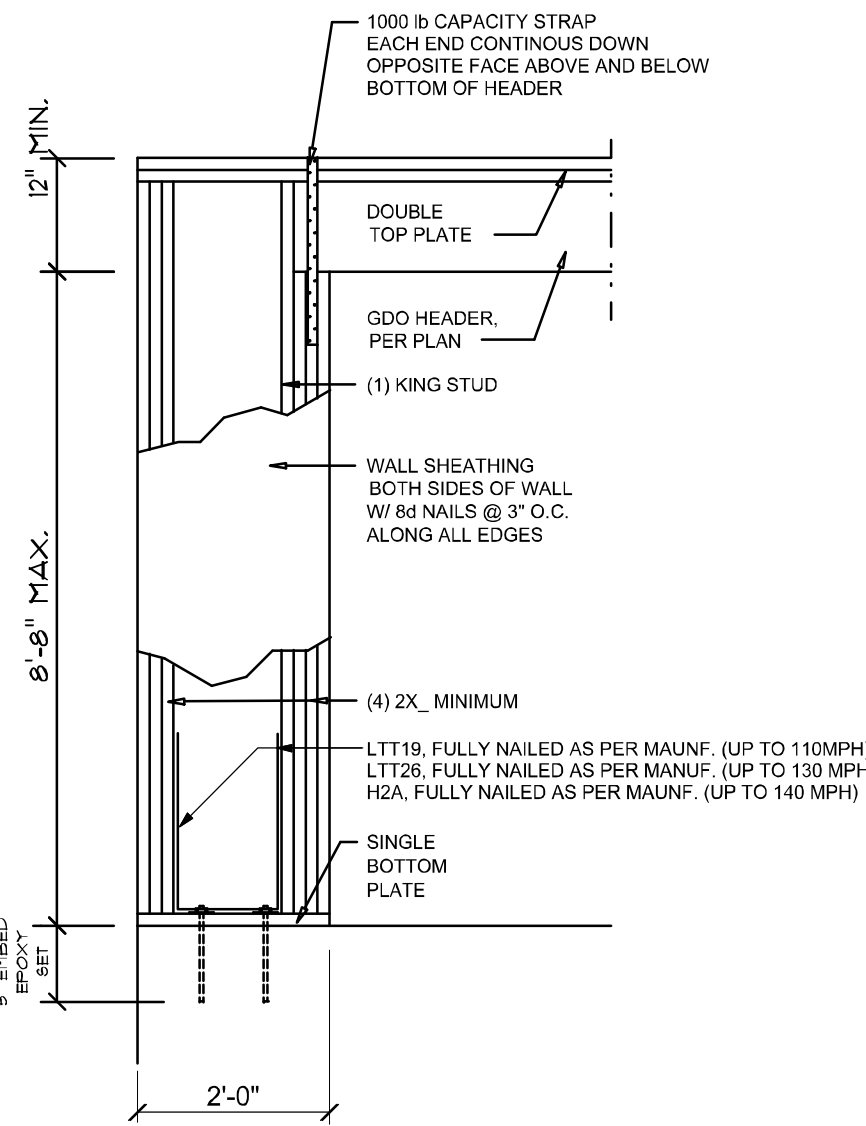
END WALL BRACING FOR CEILING DIAPHRAGM

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 15 MPH		Vult 120 MPH		Vult 130 MPH		Vult 140 MPH	
		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
1	10	10.2	-20.3	11.1	-22.1	13	-25	15.1	-28.1
1	20	10	-18	10	-19.6	11.3	-23	13.1	-25.7
1	30	10	-16	10	-16.9	10	-19.2	10.6	-22.2
1	100	10	-12.7	10	-13.9	10	-16.2	10	-18.6
2a	10	10.2	-20.2	11.1	-22.3	13	-25.9	15.1	-28.9
2a	20	10	-18.1	10	-20.5	11.3	-23.4	13.1	-26.5
2a	30	10	-15.9	10	-17.9	10	-19.1	10.5	-17.6
2a	100	10	-11.9	10	-12.9	10	-15.1	10	-17.6
2b	10	10.2	-20.2	11.1	-22.3	13	-25.9	15.1	-28.4
2b	20	10	-20.7	10	-23	11.3	-25.5	13.1	-28.1
2b	30	10	-18.2	10	-20.9	10	-21.5	10.5	-28.4
2b	100	10	-14.3	10	-15.5	10	-19.2	10	-21.2
3	10	10.2	-22.7	11.1	-26.6	13	-41.7	15.1	-46.4
3	20	10	-24.1	10	-26.7	11.3	-31.4	13.1	-36.4
3	30	10	-14.3	10	-15.3	10	-19.7	10.5	-21.2
3	100	10	-14.3	10	-15.5	10	-19.7	10	-21.2
WALL	4	10	14.3	-15.5	15.5	-16.9	18.2	-19.8	21.2
	4	20	13.6	-14.8	14.8	-16.1	17.4	-19	20.2
	4	30	13.6	-14.1	13.9	-15.2	16.3	-17.9	19
	4	100	12.1	-13.3	13.2	-14.5	15.5	-17.1	18
	4	500	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8
	5	10	14.3	-15.1	15.5	-20.3	18.2	-24.4	21.2
	5	20	13.6	-17.8	14.8	-19.4	17.4	-22.8	20.2
	5	30	13.6	-16.1	13.9	-17.6	16.3	-20.6	19
	5	100	12.1	-14.9	13.2	-16.1	15.5	-19	18
	5	500	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8



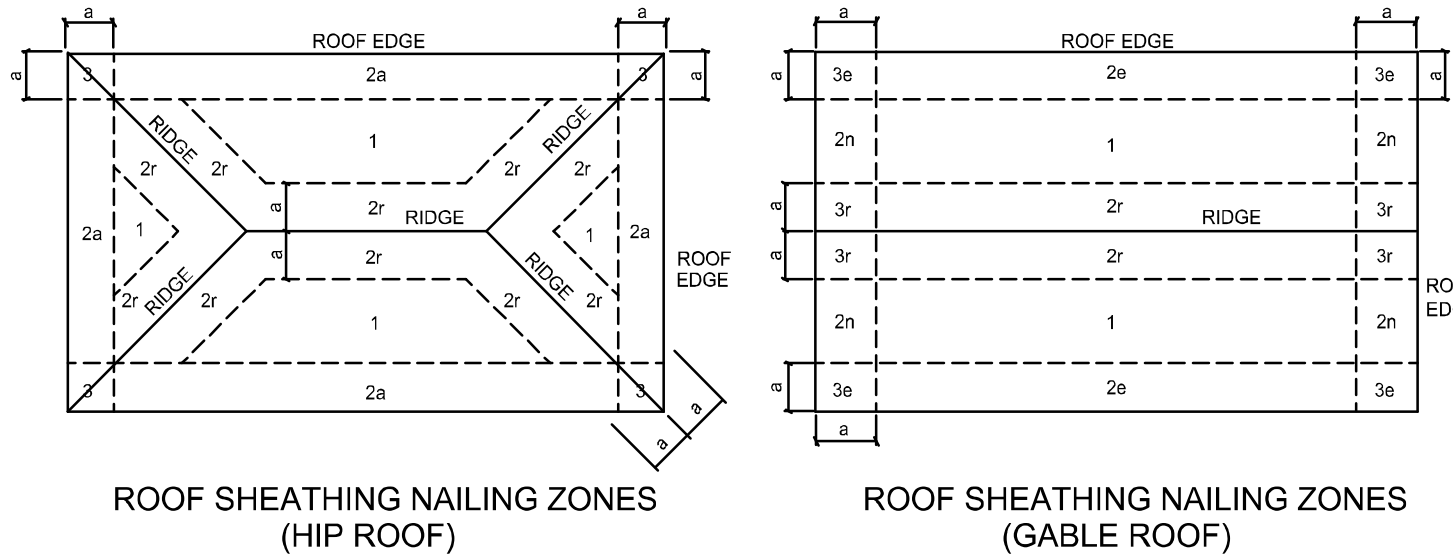
Garage End Wall DETAIL

SCALE: NTS

G

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16" O.S.B. OR 19/32 CDX PLYWOOD	10d RING SHANK NAILS	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. FIELD 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

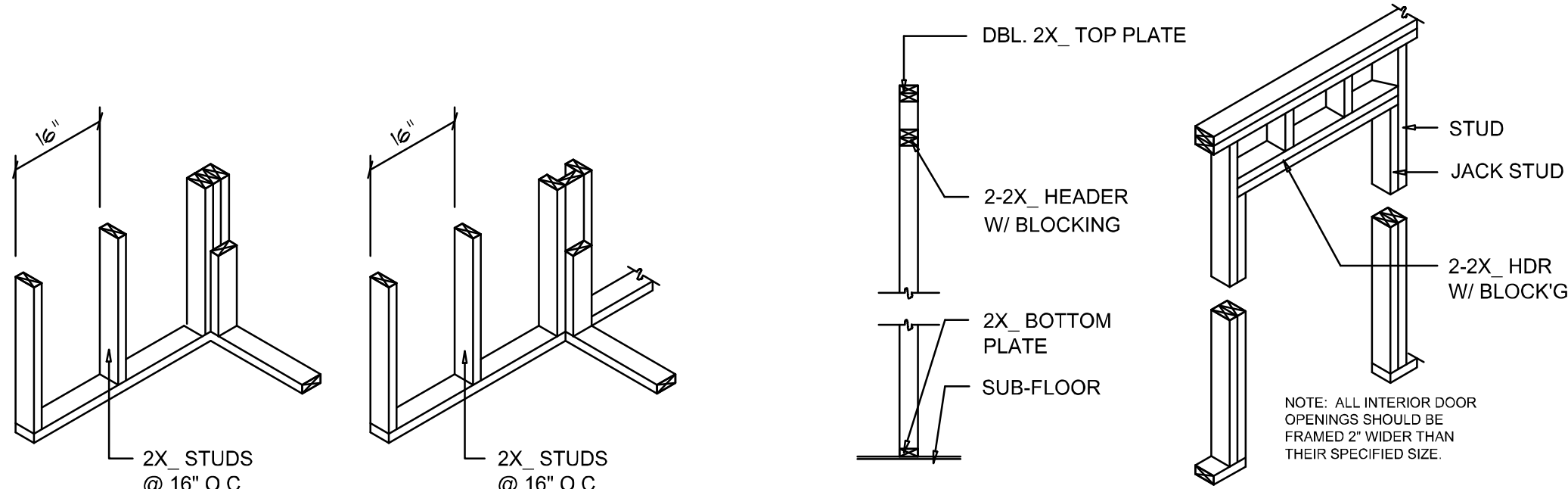


Roof Nail Pattern DET.

SCALE: NONE

B

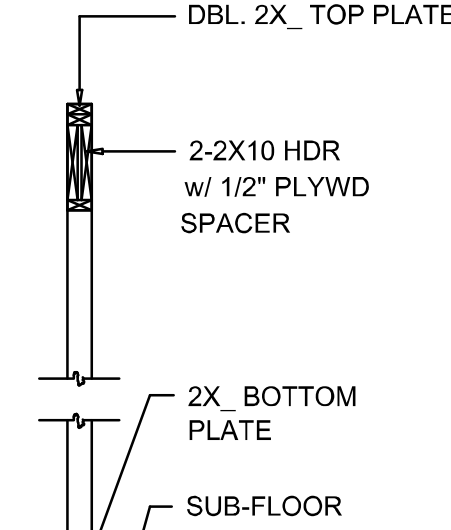
HEADER SPANS FOR EXTERIOR BEARING WALLS							
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)					
		20'		28'		36'	
ROOF, CEILING	2-2x4	SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"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



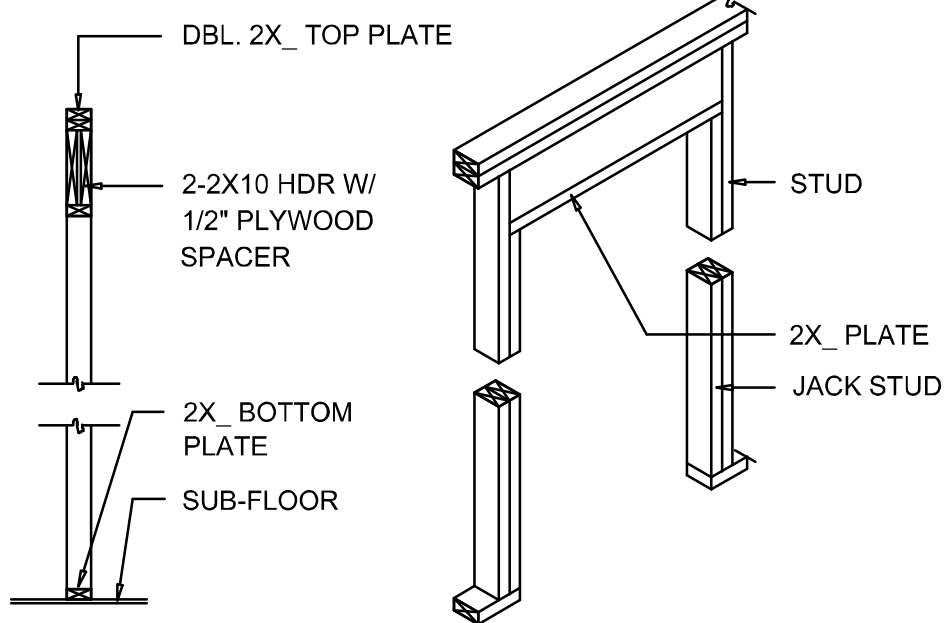
WALL CORNER

WALL INTERSECTION

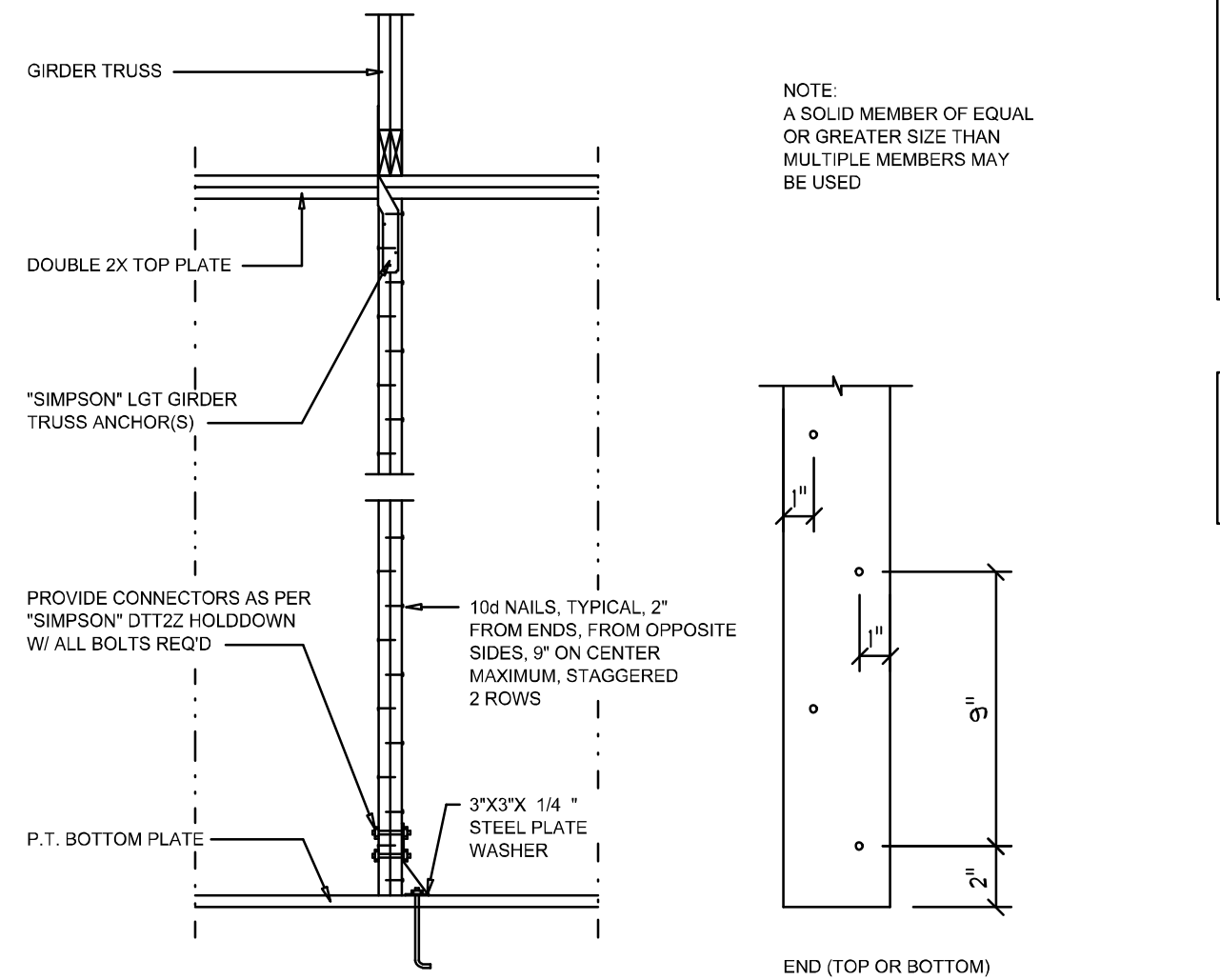
NON-BEARING WALL HEADER



TYPICAL WINDOW HEADER



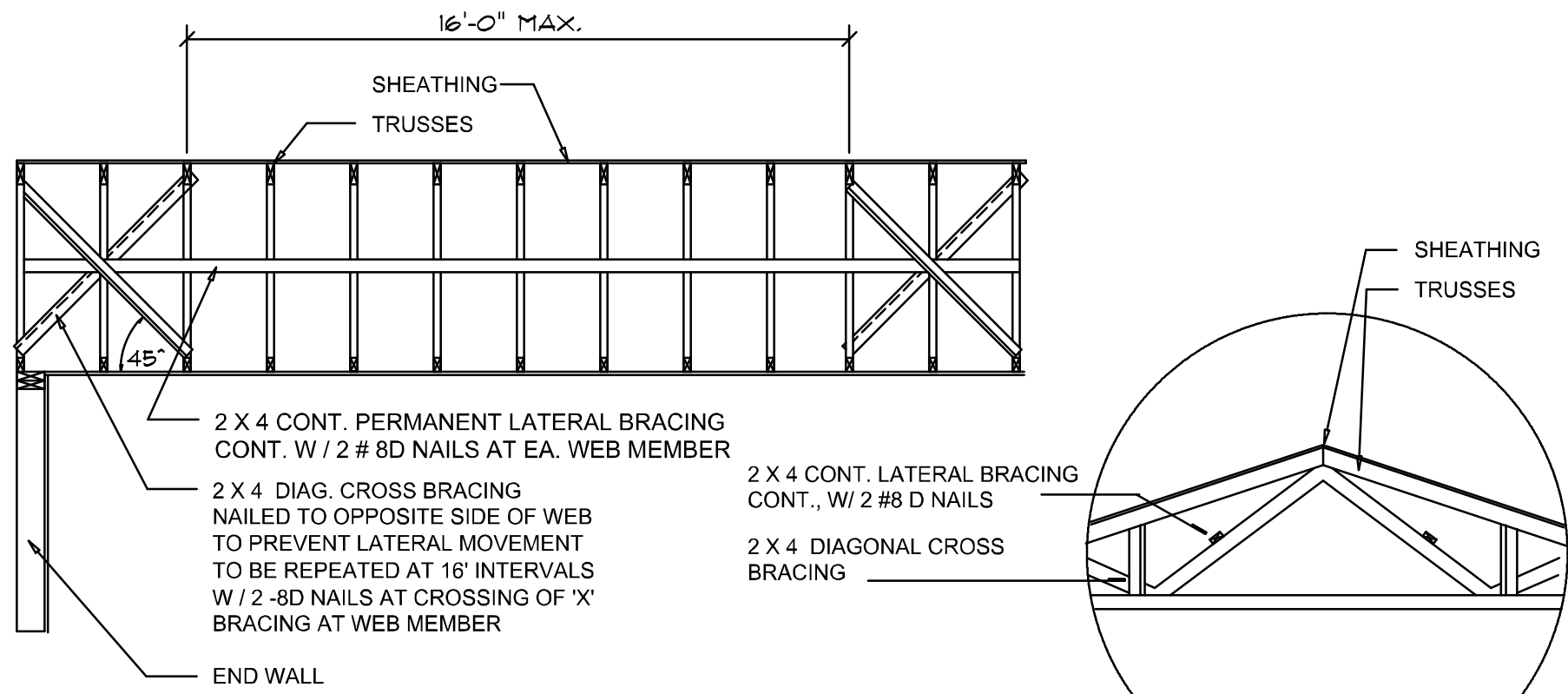
BEARING WALL HEADER



Girder Truss Column DET.

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

C



TYP. PERMANENT TRUSS BRACING DIA.

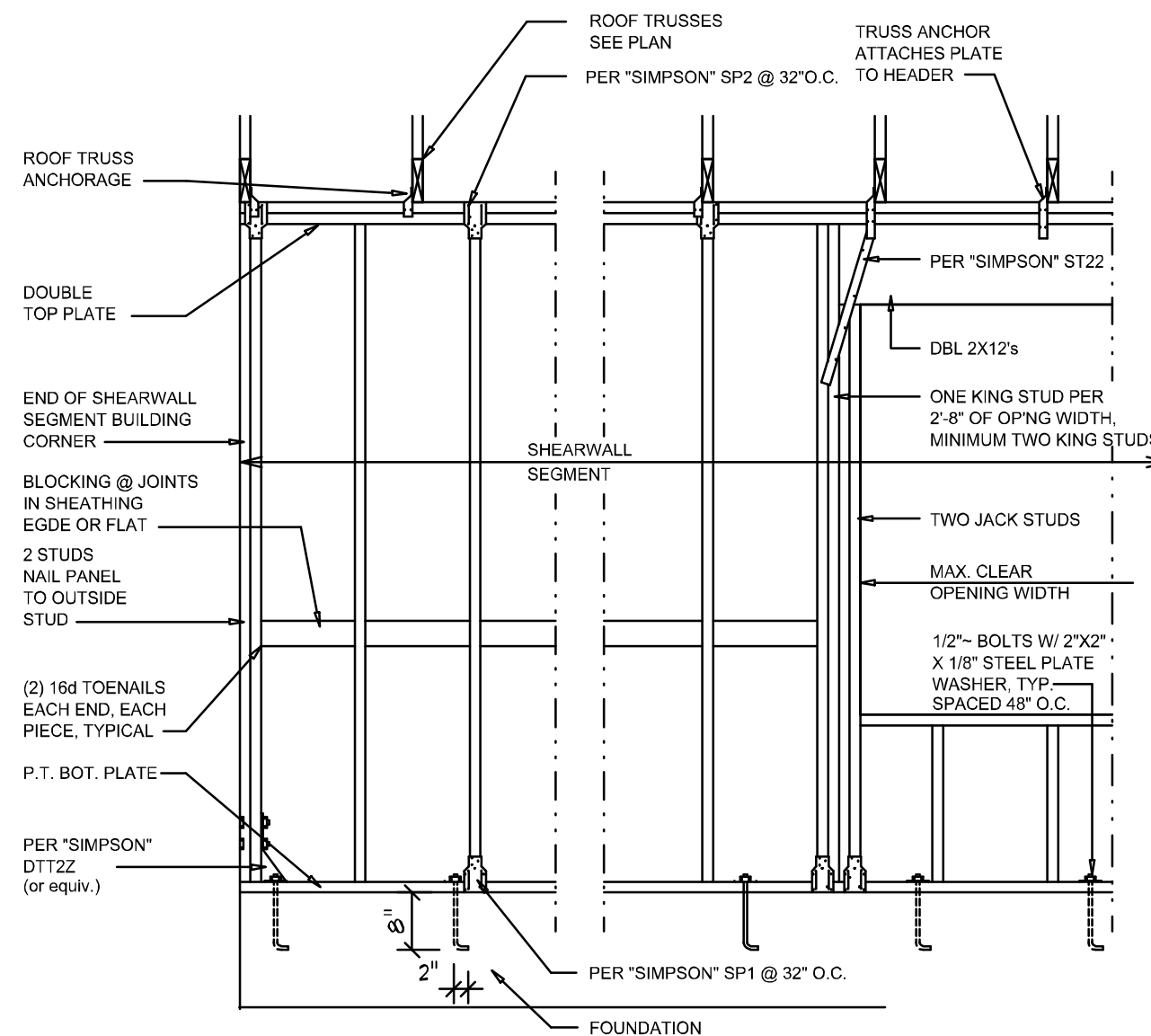
NTS

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 SBCCI 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 5/8 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'-0" TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9'-0" TO 12'-0"	(5) 2x4 OR (2) 2x6	3

Shear Wall DETAILS

SCALE: NONE

E

REVISIONS

October 25, 2024	
August 15, 2025	

SOFTPLAN

ARCHITECTURAL DESIGN SOFTWARE

DETAILS SHEET

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

A PRIVATE AIRPLANE HANGER FOR:

Timothy & Lisa Bixler

PROJECT ADDRESS: 286 SW CHALLENGER LN, LAKE CITY, FLORIDA 32025

ARCOO1005

NICHOLAS PAUL ARCHITECT

1755 NW Brown Rd.
Lake City, FL 32065
N.C.A.R.B. Certified (386) 365-4355

JOB NUMBER

20240228

SHEET NUMBER

S.4

OF 4 SHEETS