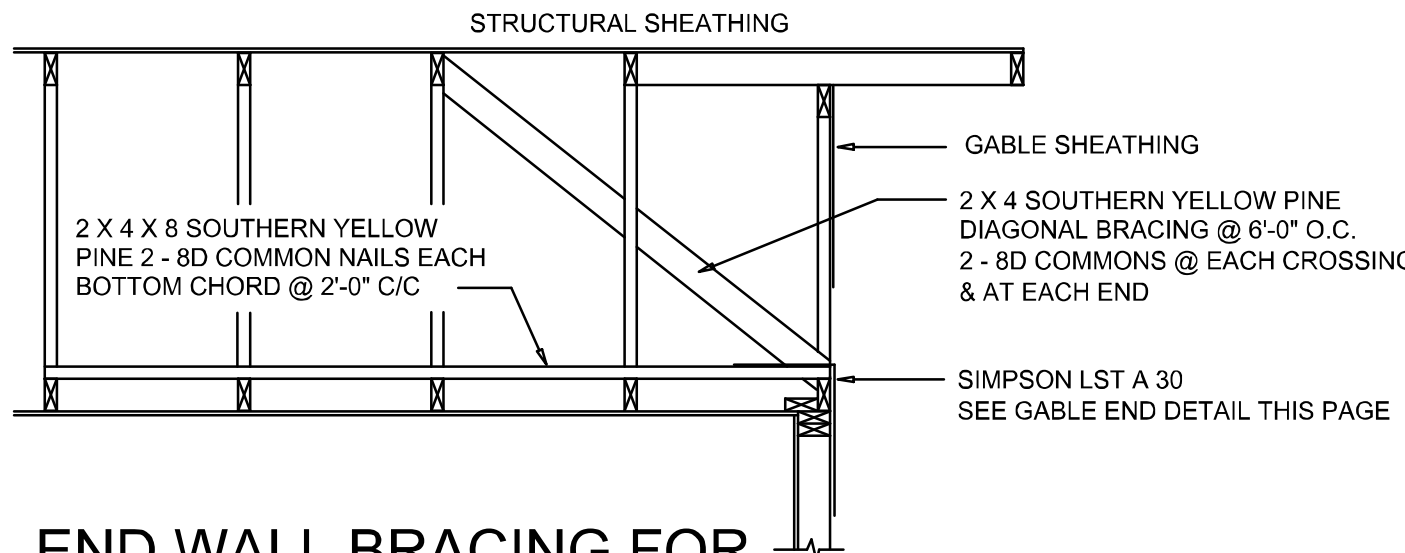


GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1



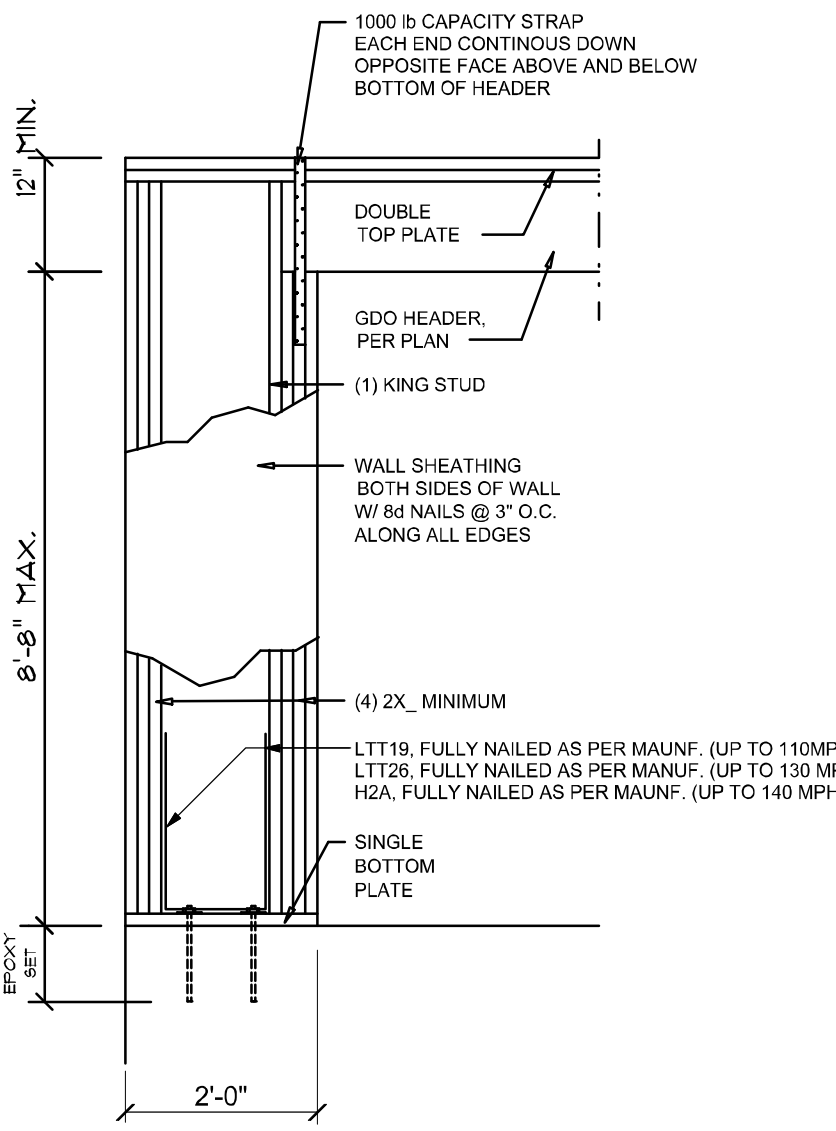
END WALL BRACING FOR CEILING DIAPHRAGM

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	
		F _{pos}	F _{neg}	F _{pos}	F _{neg}	F _{pos}	F _{neg}	F _{pos}	F _{neg}
ROOF 21° TO 45°	1	10	10.2	-35.3	11.1	-35.1	13	-35	15.1
	1	20	10	-16	10	-16.6	11.3	-23	15.1
	1	80	10	-16	10	-16.3	10	-19.2	19.6
	1	100	10	-12.7	10	-13.6	10	-16.2	16
	2a	10	10.2	-35.3	11.1	-35.1	13	-35.6	15.1
	2a	20	10	-16.1	10	-16.9	11.3	-24.4	15.1
	2a	30	10	-11.9	10	-12.9	10	-15.1	15.6
	2a	100	10	-11.9	10	-12.9	10	-15.1	15
	2a	10	10.2	-35.6	11.1	-35.3	13	-36.1	15.1
	2a	20	10	-20.7	10	-21	11.3	-25.9	15.1
WALL	2a	20	10	-19.2	10	-20.9	10	-24.5	15.6
	2a	100	10	-14.3	10	-15.5	10	-19.2	15
	2a	10	10.2	-32.7	11.1	-33.6	13	-41.7	15.1
	2a	20	10	-24.6	10	-26.7	11.3	-34.4	15.1
	2a	30	10	-14.3	10	-15.5	10	-19.2	15.6
	2a	100	10	-14.3	10	-15.5	10	-19.2	15
	2a	10	14.3	-15.5	15.5	-16.9	16.2	-19.8	21.2
	2a	20	13.6	-14.6	14.6	-16.1	17.4	-19	20.2
	2a	10	10.9	-14.1	10.9	-15.2	16.3	-19.6	19
	2a	100	10.1	-15.3	15.3	-14.5	16.5	-17.1	18



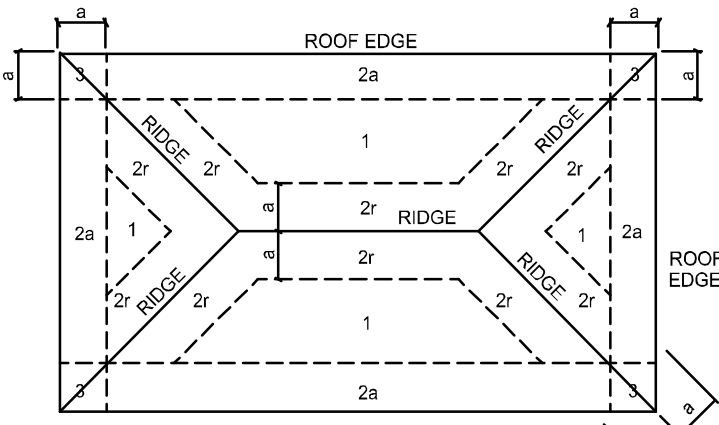
Garage End Wall DETAIL

SCALE: NTS

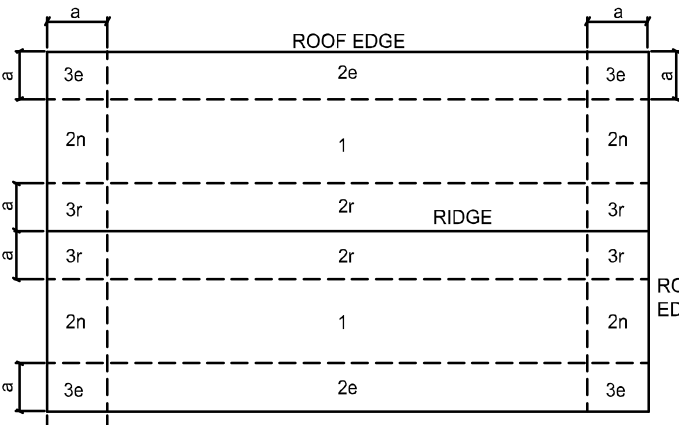
G

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



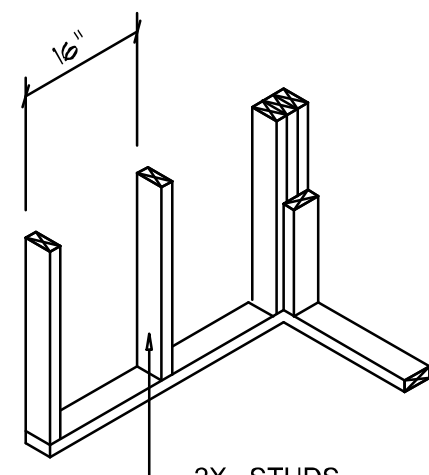
ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

Roof Nail Pattern DET.

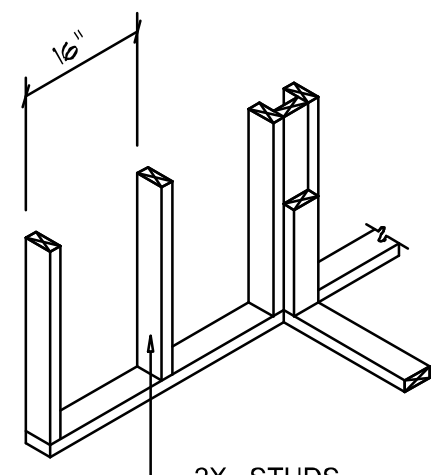
SCALE: NONE

B

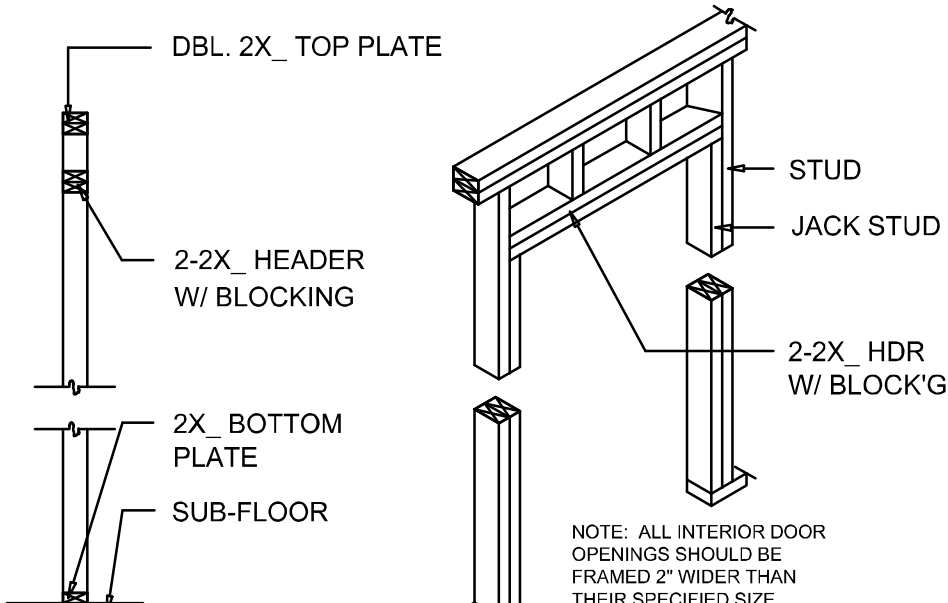
HEADER SPANS FOR EXTERIOR BEARING WALLS					
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)			
		20'		28'	
ROOF, CEILING	2-2x4	SPAN 3'-6"	# JACKS 1	SPAN 3'-2"	# JACKS 1
	2-2x6	SPAN 5'-5"	# JACKS 1	SPAN 4'-8"	# JACKS 1
	2-2x8	SPAN 6'-10"	# JACKS 1	SPAN 5'-11"	# JACKS 2
	2-2x10	SPAN 8'-5"	# JACKS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



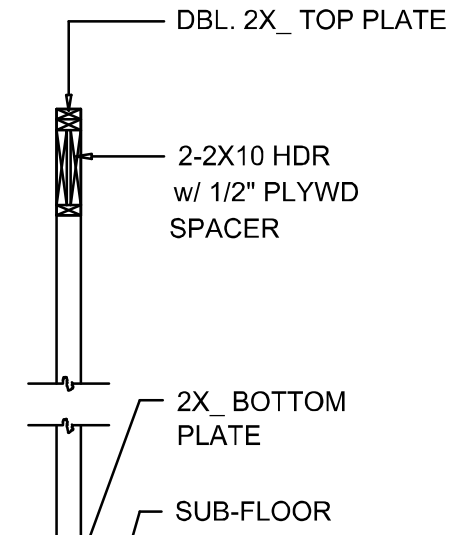
WALL CORNER



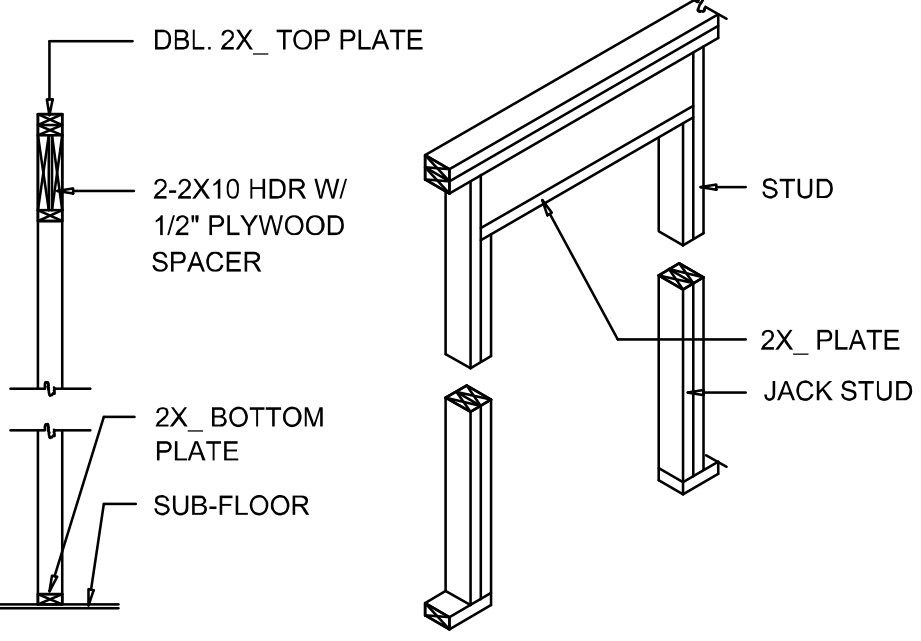
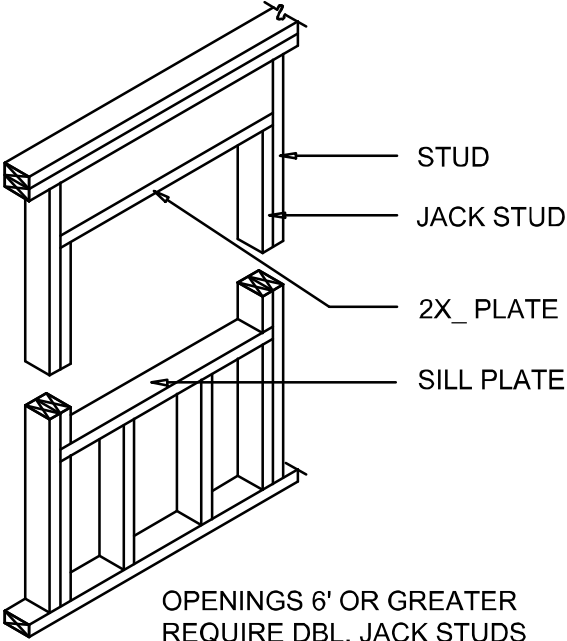
WALL INTERSECTION



NON-BEARING WALL HEADER



TYPICAL WINDOW HEADER

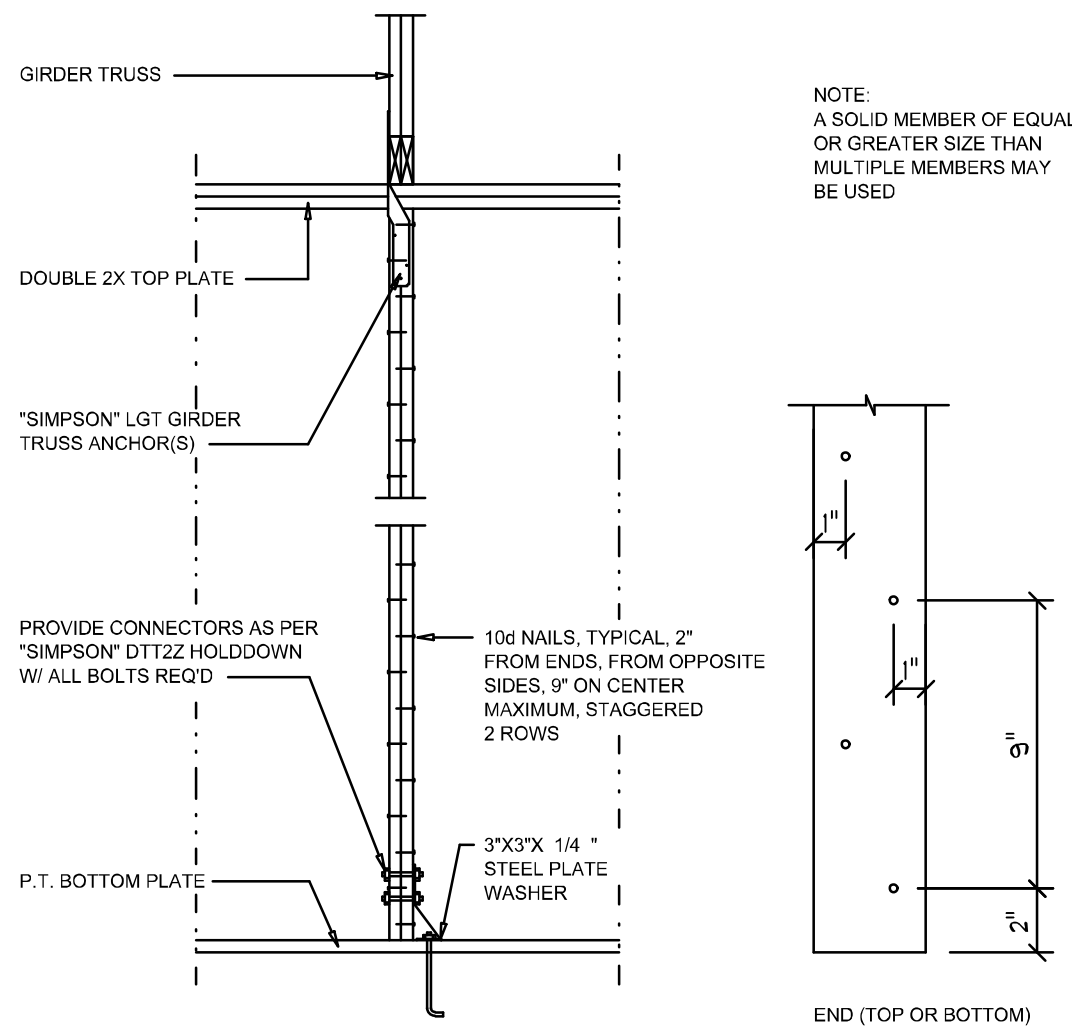


BEARING WALL HEADER

Wall Framing/Header DETAILS

SCALE: NONE

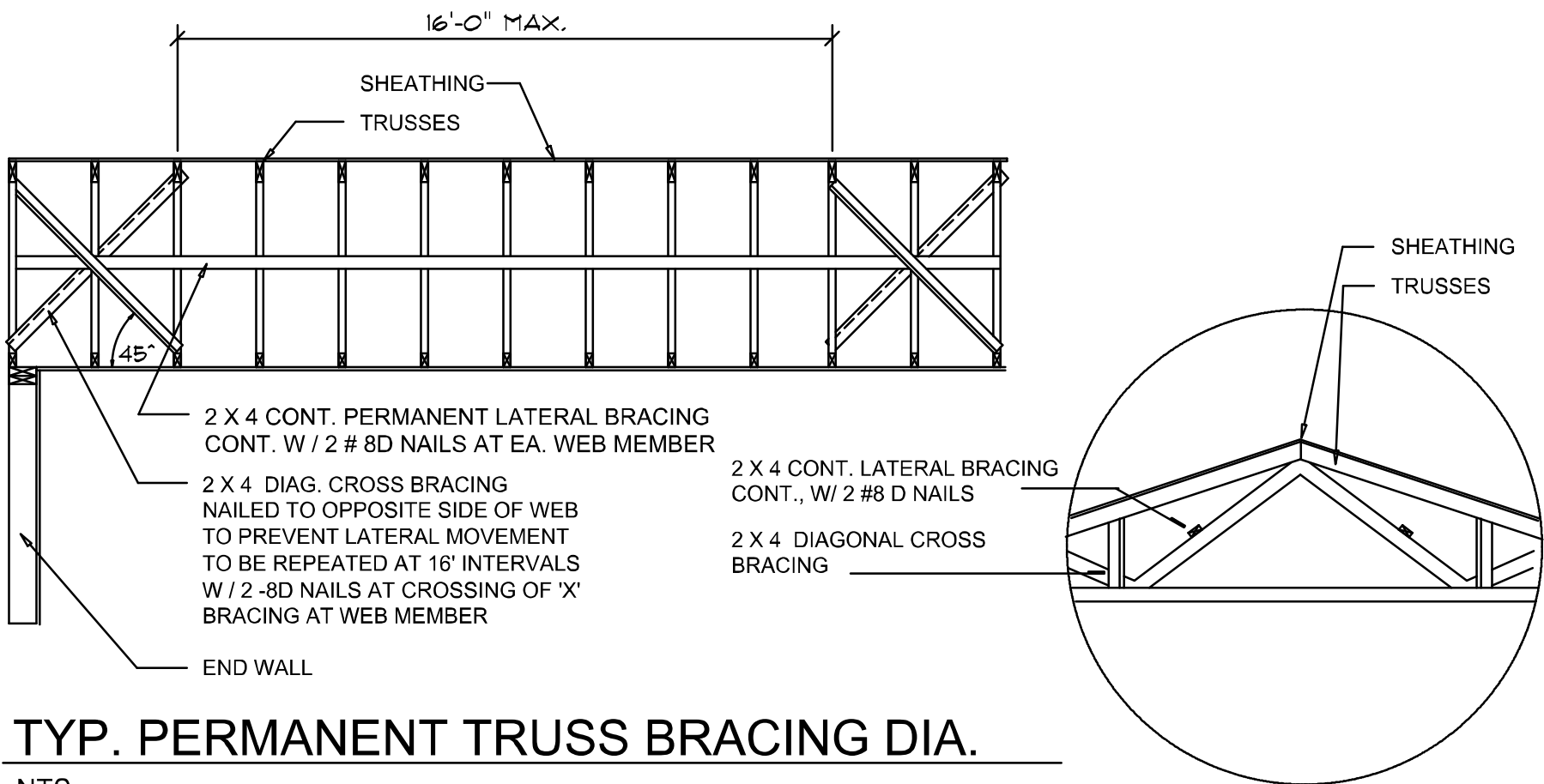
F



Girder Truss Column DET.

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

C



TYP. PERMANENT TRUSS BRACING DIA.

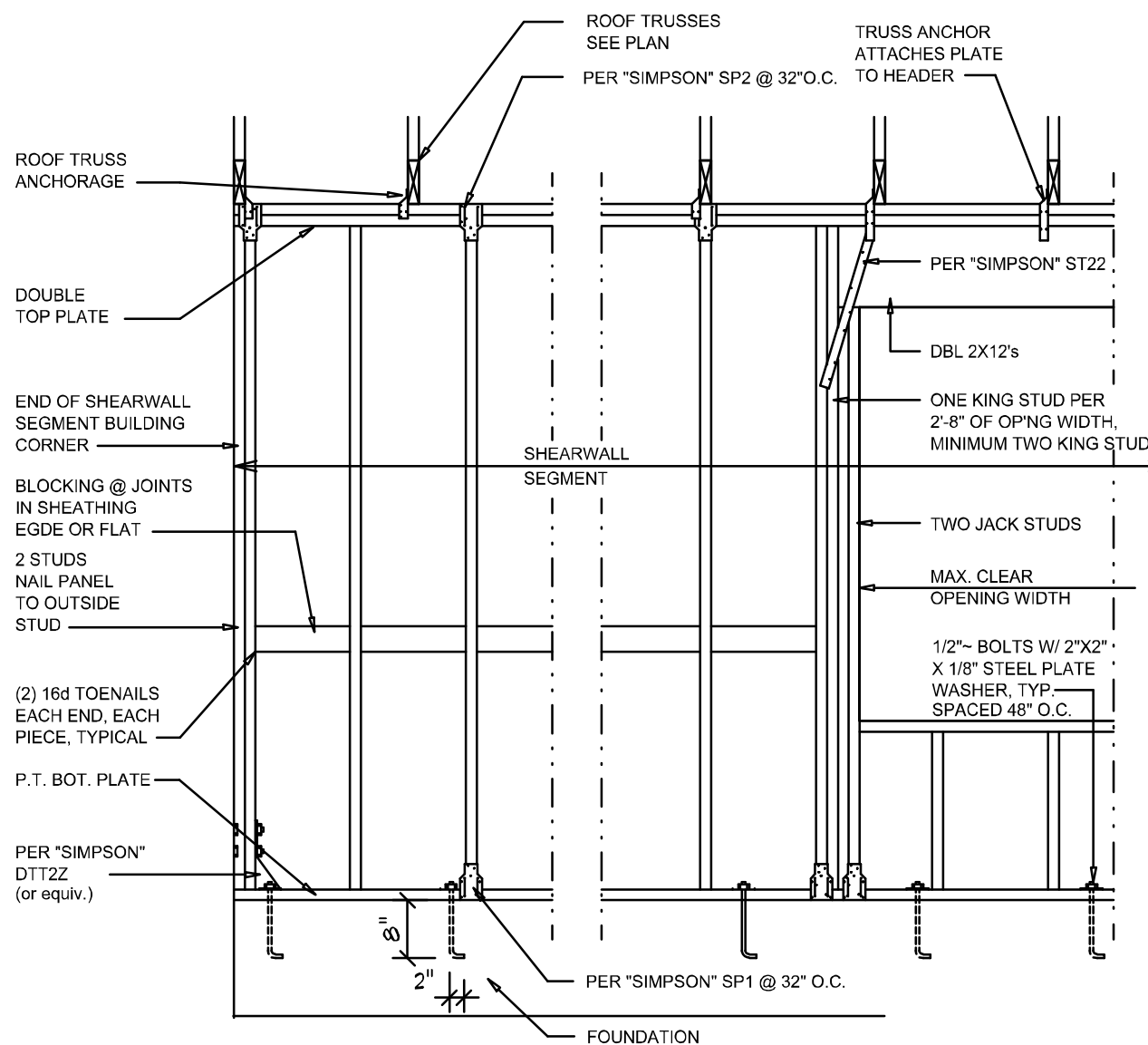
NTS

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 SBCI 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 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
October 07, 2024

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A DETACHED GARAGE DESIGN FOR:

Micah & Alisha Cady

PROJECT ADDRESS: 413 SW Highpoint Glenm, Lake City, Florida 32024

Digitally signed by:
Nicholas P Geisler
DN: CN = Nicholas P Geisler C = US
O = Unaffiliated
Date: 2024.10.08 15:51:04 -0400

ARCOOT

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Rd.
Lake City, FL 32055
(386) 365-4355

JOB NUMBER
20240712

SHEET NUMBER
S.3
OF 3 SHEETS