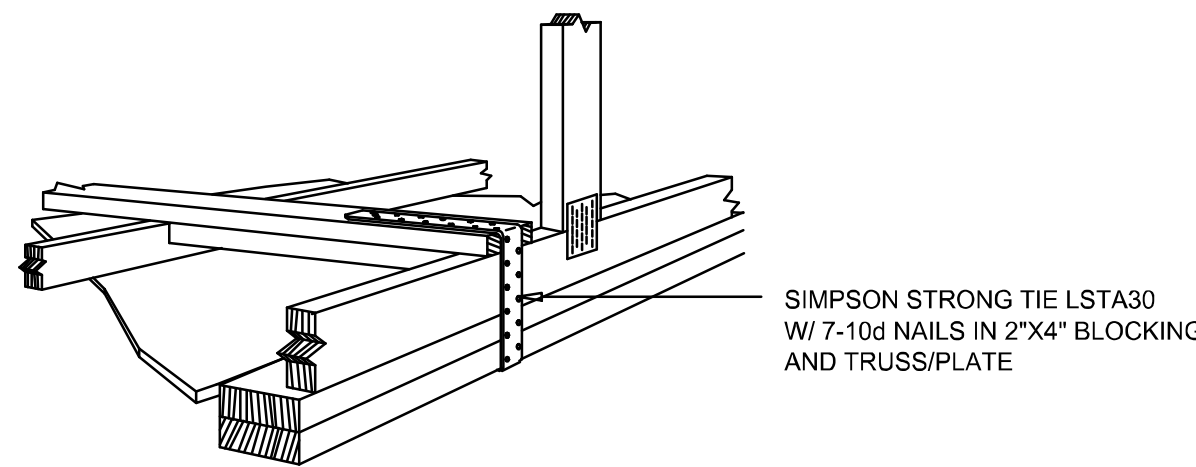
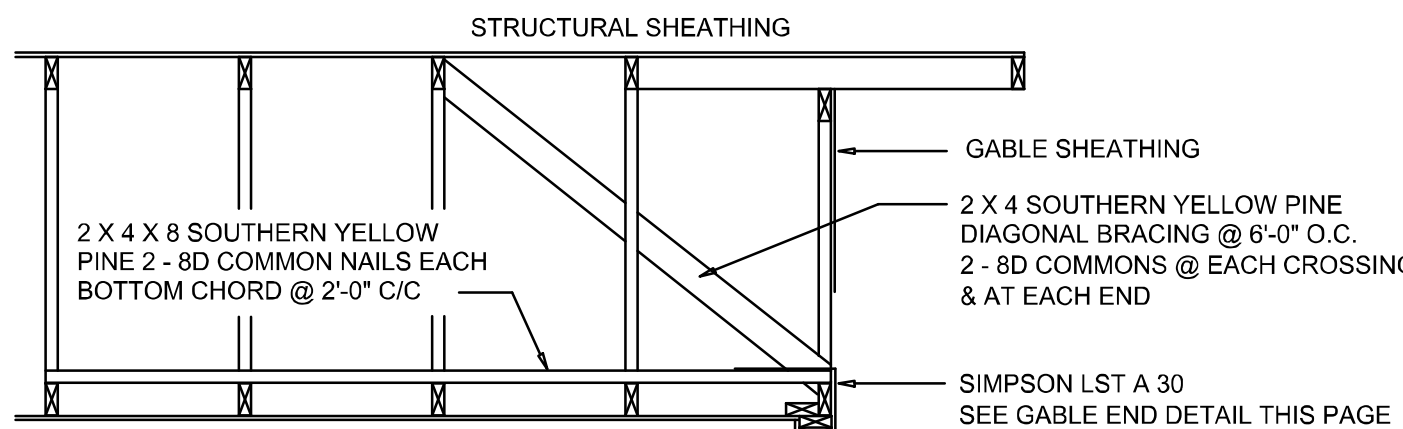




GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1



END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)

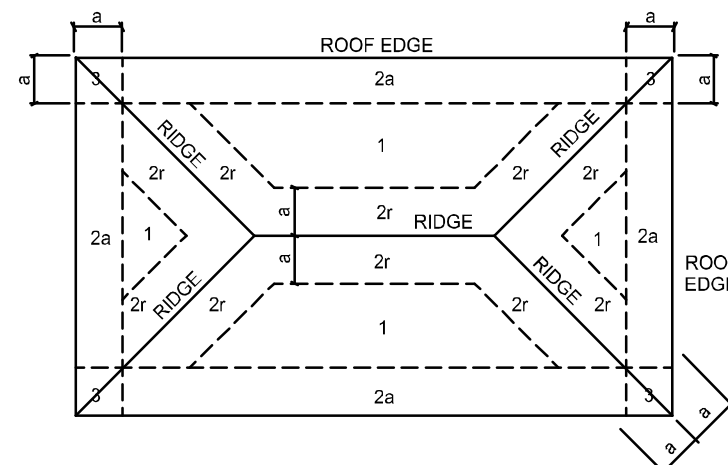
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

A

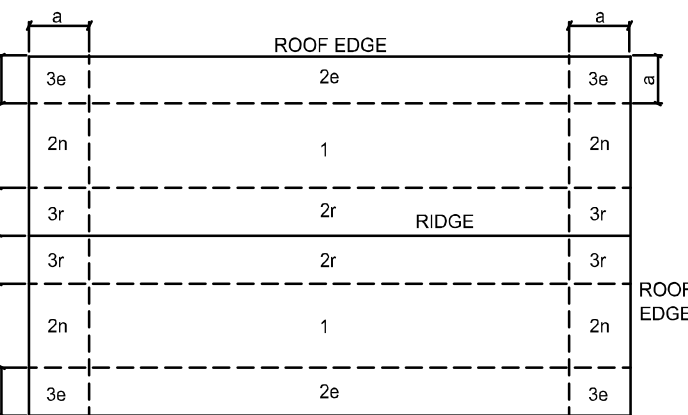
BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 21° TO 45°											
ZONE	WIND AREA (ft ²)	V _{ult} 15 MPH		V _{ult} 30 MPH		V _{ult} 45 MPH		V _{ult} 60 MPH		V _{ult} 75 MPH	
		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
ROOF 21° TO 45°	1	10	10.2	-20.3	11.1	-22.1	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	10.9	-22.2	
	1	100	10	-12.7	10	-13.8	10	-16.2	10	-18.6	
	26	10	10.2	-20.2	11.1	-20.9	13	-25.9	15.1	-26.9	
	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	-15.1	10.5	-17.6	
	26	100	10	-11.9	10	-12.9	10	-15.1	10	-17.6	
	27	10	10.2	-20.2	11.1	-20.3	13	-26.1	15.1	-26.4	
	27	20	10	-20.7	10	-20	11.3	-23.9	15.1	-26.1	
WALL	1	100	10	-14.3	10	-15.3	10	-16.2	10	-21.2	
	3	10	10.2	-20.7	11.1	-20.6	13	-24.7	15.1	-26.4	
	3	20	10	-24.6	10	-26.7	11.3	-24.4	15.1	-26.4	
	3	30	10	-14.3	10	-15.3	10	-16.2	10.5	-21.2	
	3	100	10	-14.3	10	-15.3	10	-16.2	10	-21.2	
	4	10	14.3	-10.5	10.5	-16.9	16.2	-19.8	21.2	-25.9	
	4	20	13.6	-14.8	14.8	-16.1	17.4	-19	20.2	-22	
	4	30	13.6	-14	13.8	-15.2	16.3	-17.9	19	-20.7	
	4	100	12.1	-10.5	10.7	-14.5	15.5	-17.1	19	-20.8	
	4	500	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8	-17.6	

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 SHEATHING NAILING ZONES
(HIP ROOF)



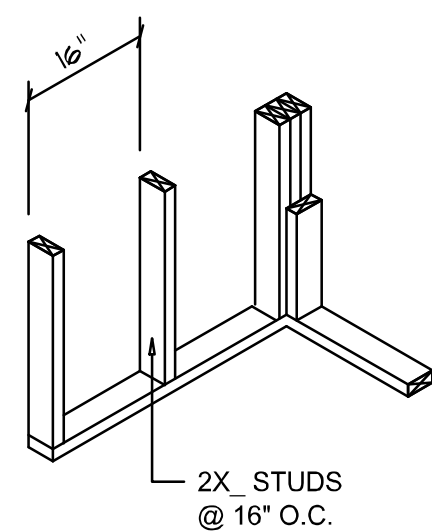
ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

Roof Nail Pattern DET.

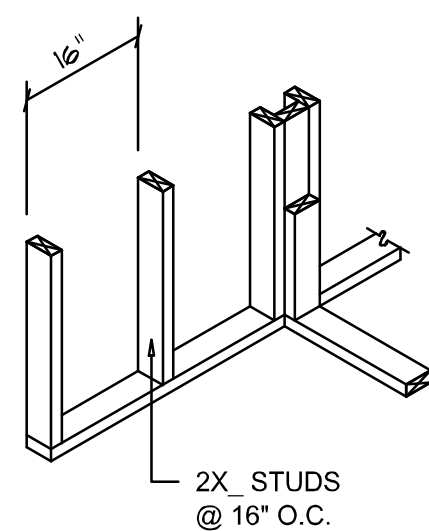
SCALE: NONE

B

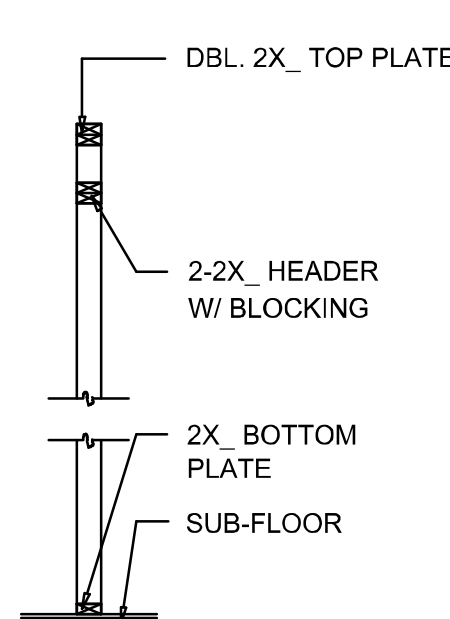
HEADER SPANS FOR EXTERIOR BEARING WALLS							
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)					
		20'		28'		36'	
		SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"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



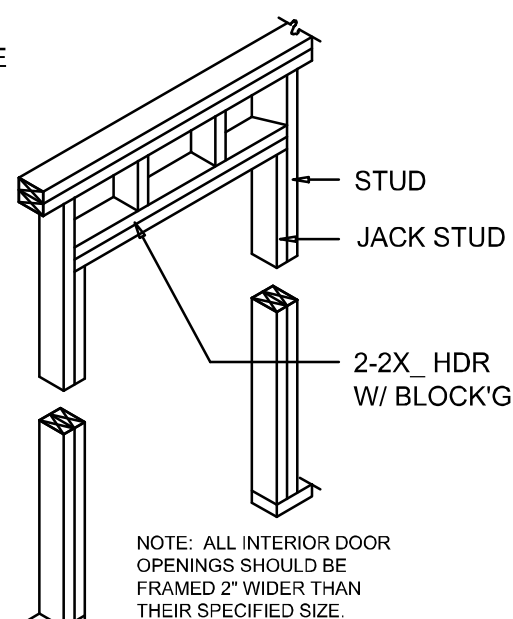
WALL CORNER



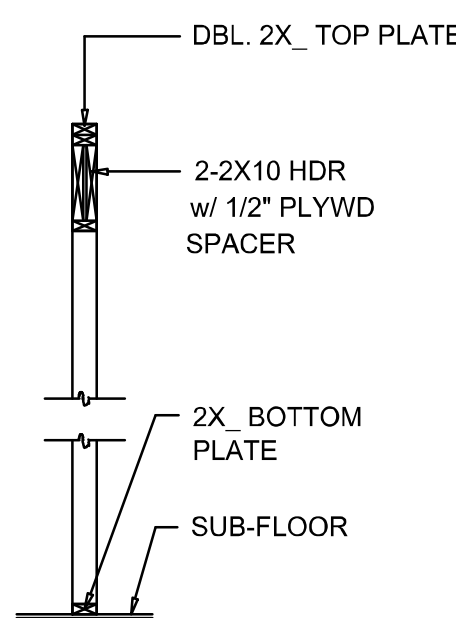
WALL INTERSECTION



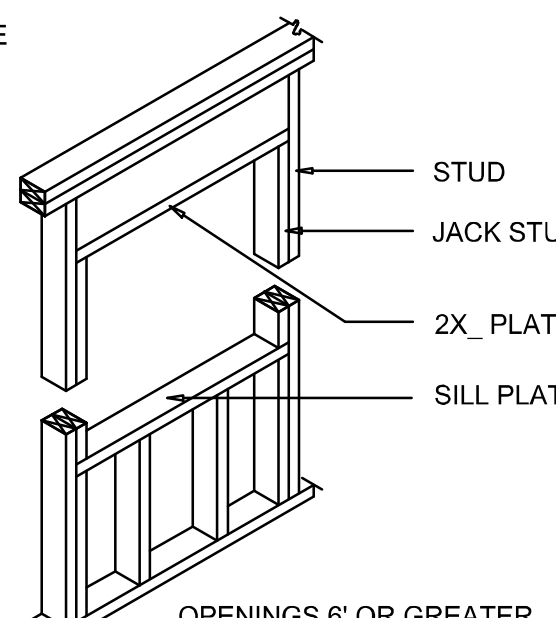
NON-BEARING WALL HEADER



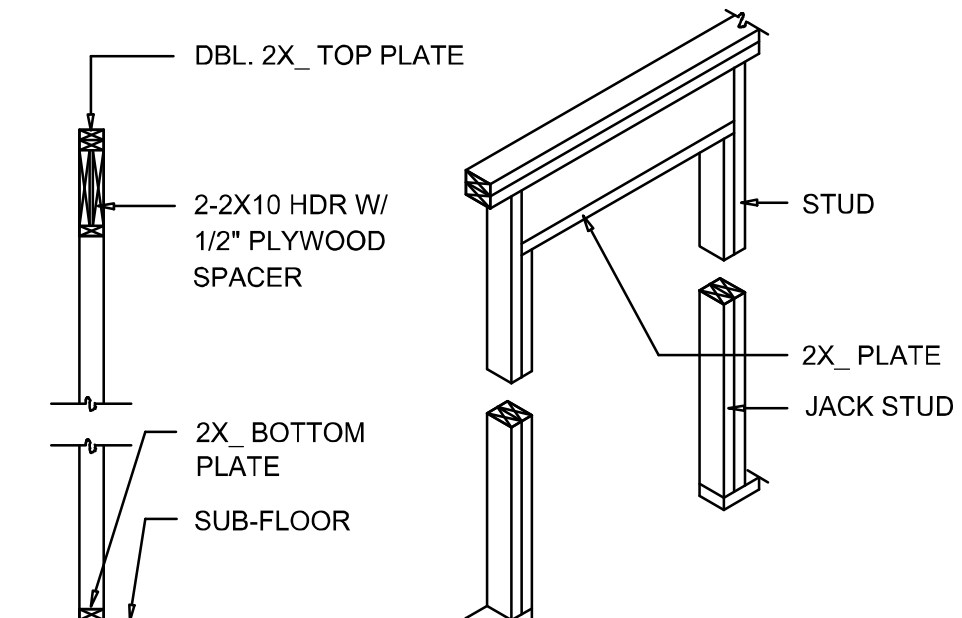
BEARING WALL HEADER



TYPICAL WINDOW HEADER



OPENINGS 6" OR GREATER
REQUIRE DBL. JACK STUDS

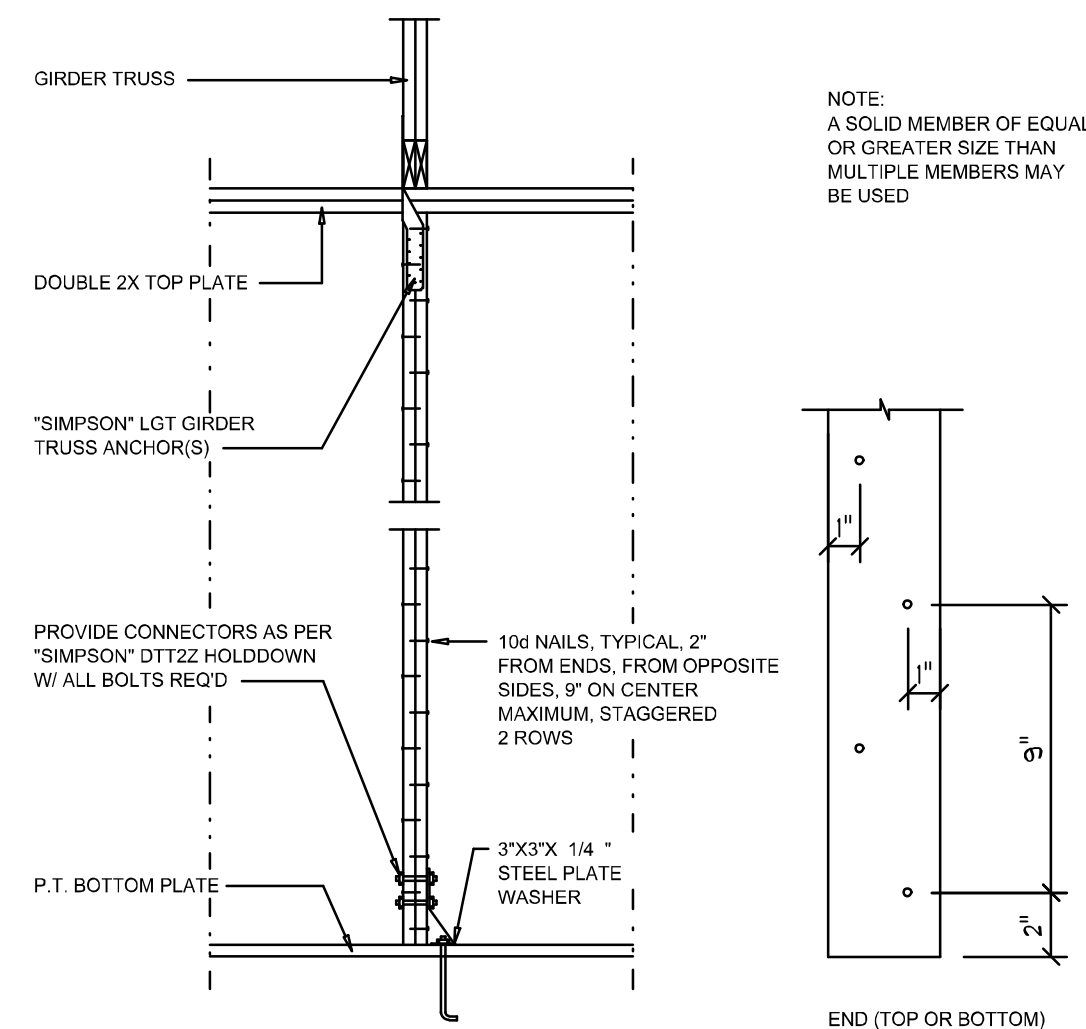


BEARING WALL HEADER

Wall Framing/Header DETAILS

SCALE: NONE

F



NOTE:
A SOLID MEMBER OF EQUAL
OR GREATER SIZE THAN
MULTIPLE MEMBERS MAY
BE USED

"WindSTORM" ALT. SHEATHING METHOD:

ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SP1/SP2 OR SP4 STRAPS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL ALLOWED AS FOLLOWS:

1. APPLY VERTICALLY, "WindSTORM" 7/16" OSB 48" X 97", 109" 121" OR 145" SHEATHING. FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMONS @ 3' O.C. OR 8d COMMONS @ 4' O.C. FASTEN TO EACH STUD WITH EITHER 6d COMMONS @ 6' O.C. OR 8d COMMONS @ 8' O.C.

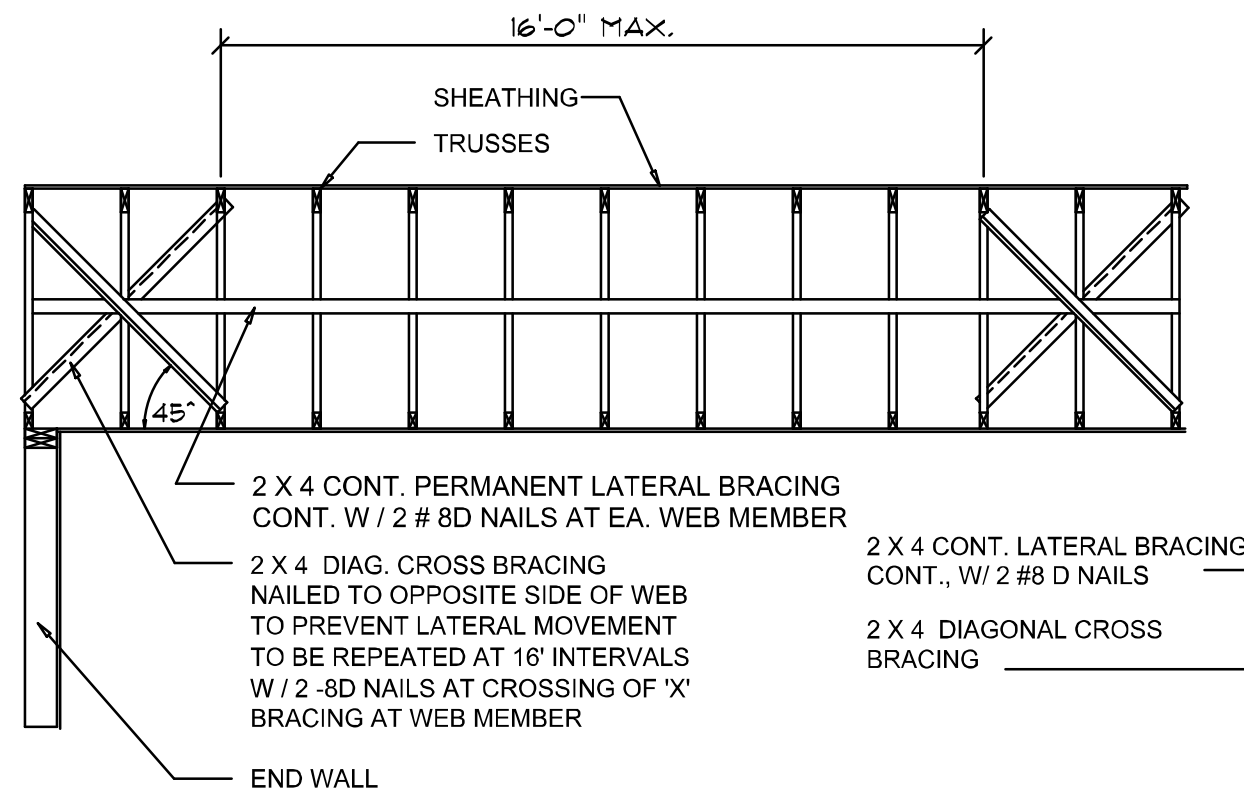
Alternate "Titan" bolt concrete anchor system

ANCHOR SILL PLATE WITH 5/8" TITAN ANCHOR BOLT. PLACED AT 40" O.C. AROUND PERIMETER OF SLAB AND ALL INTERIOR BEARING WALLS. (MIN. 4" EMBED)

Girder Truss Column DET.

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

C



TYP. PERMANENT TRUSS BRACING DIA.

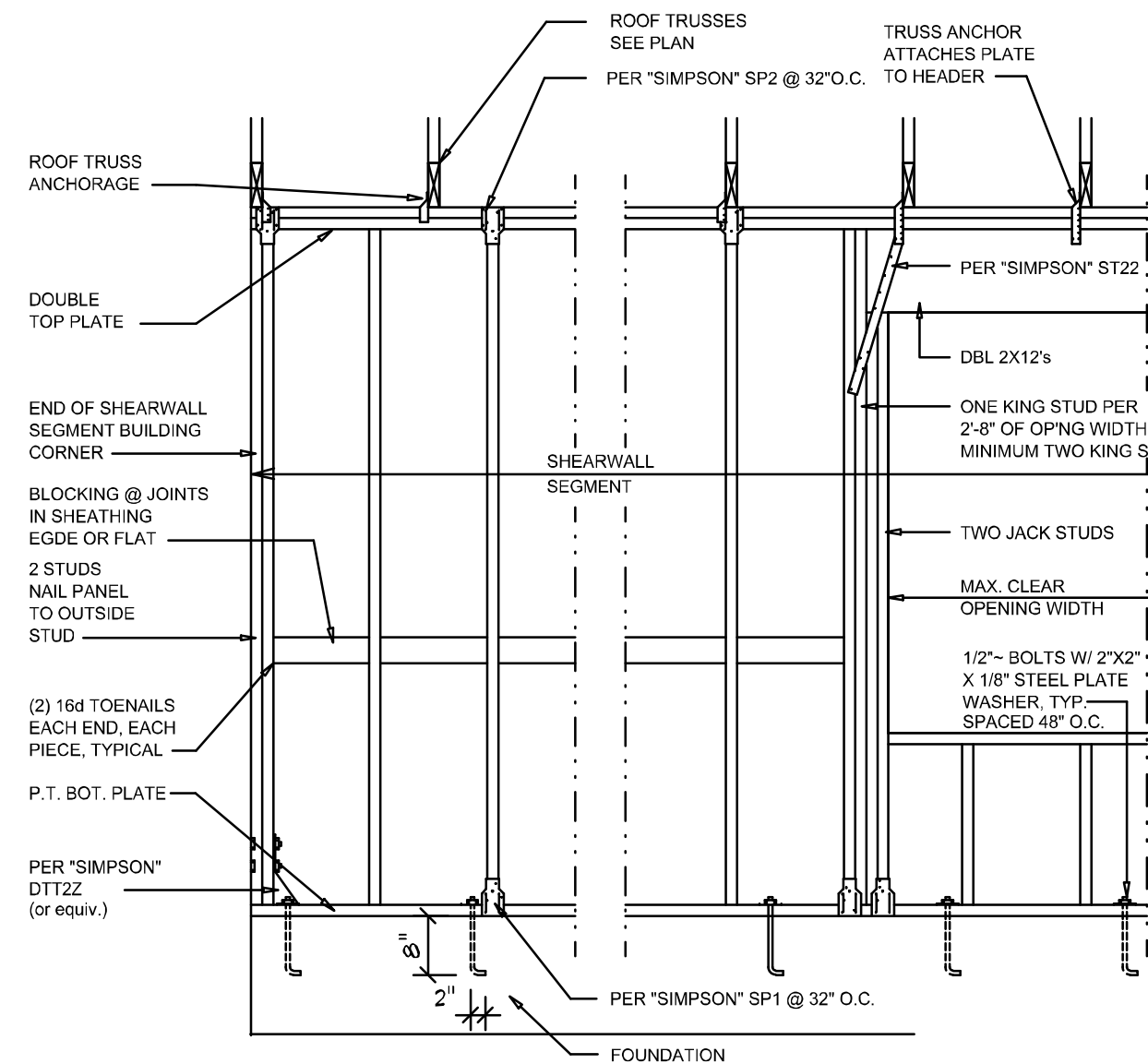
NTS

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

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