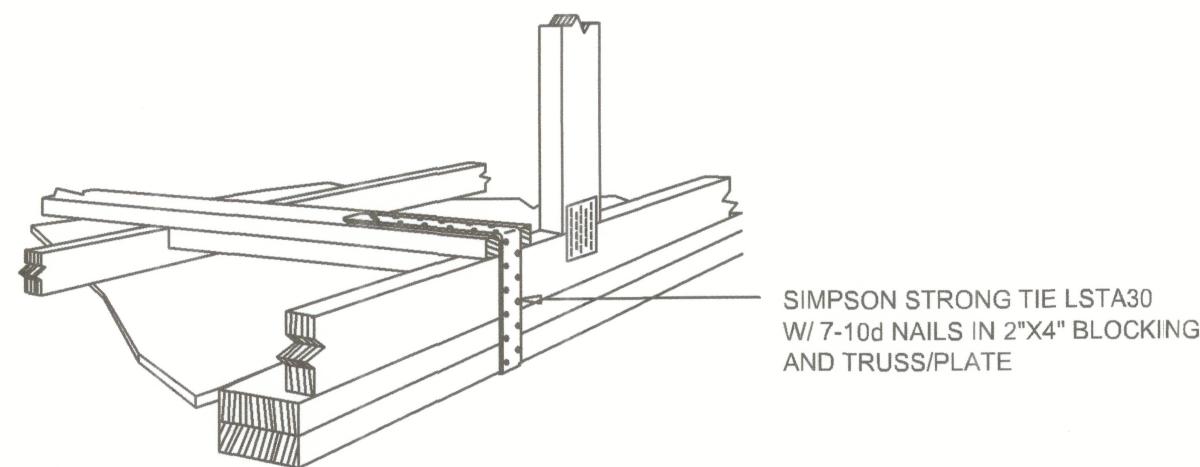
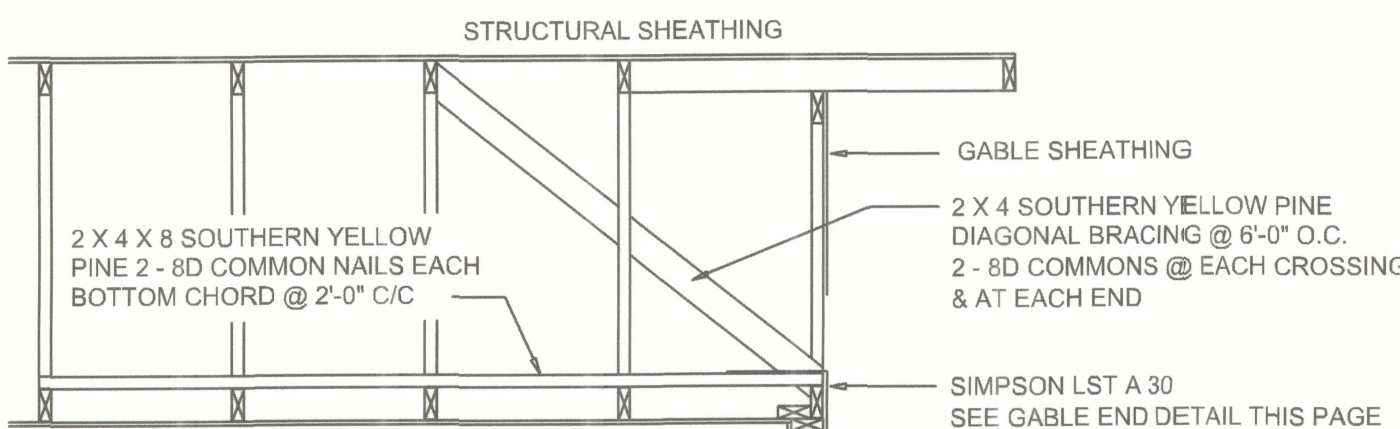




GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1



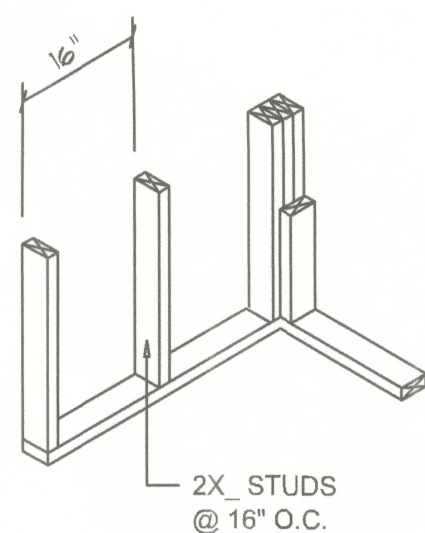
END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)

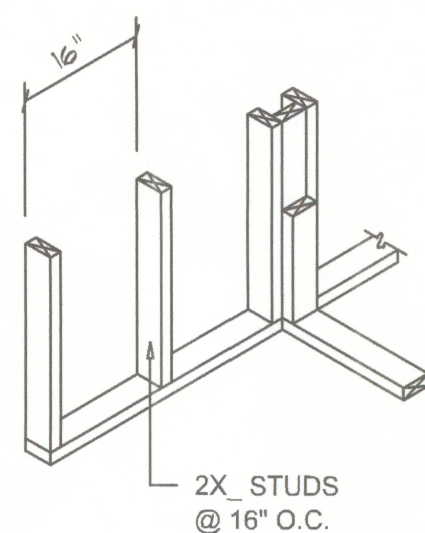
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

A

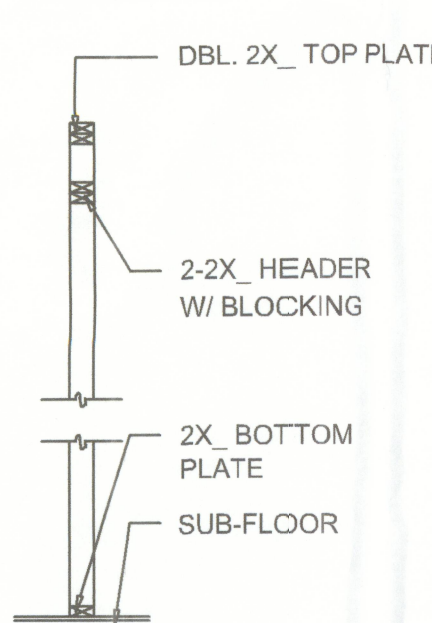
BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 21° TO 45°											
ZONE	AREA (ft ²)	Vult 115 MPH		Vult 120 MPH		Vult 130 MPH		Vult 140 MPH		Vult 150 MPH	
		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
ROOF 21° TO 45°	1	10	10.2	-20.3	11.1	-22.1	13	-25	15.1	-26.7	
	1	30	10	-18	10	-18.6	11.3	-21	13.1	-25.7	
	1	50	10	-15	10	-16.3	10	-16.2	10.8	-22.2	
	1	100	10	-12.7	10	-13.6	10	-13.2	10	-19.8	
	2a	10	10.2	-24.2	11.1	-26.3	13	-28.9	15.1	-31.9	
	2a	30	10	-18.1	10	-20.6	11.3	-24.4	13.1	-28.3	
	2a	50	10	-14.9	10	-16.9	10	-18.1	10.8	-19.6	
	2a	100	10	-11.9	10	-12.9	10	-13.1	10	-17.6	
	2	10	10.2	-30.9	11.3	-32.3	13	-35.1	15.1	-46.4	
	2	30	10	-24.6	10	-26.7	11.3	-31.4	13.1	-36.9	
WALL	2	10	10.2	-30.9	11.3	-32.3	13	-35.1	15.1	-46.4	
	2	30	10	-24.6	10	-26.7	11.3	-31.4	13.1	-36.9	
	3	10	10.2	-32.7	11.1	-35.6	13	-41.7	15.1	-48.4	
	3	30	10	-26.5	10	-28.7	11.3	-34.4	13.1	-39.9	
	3	50	10	-21.3	10	-22.5	10	-23.5	10.8	-29.3	
	3	100	10	-16.3	10	-16.5	10	-18.2	10	-21.2	
	4	10	14.3	-15.5	15.5	-16.9	18.2	-19.6	21.2	-23.9	
	4	30	13.2	-14.8	14.8	-16.1	17.4	-18	20.2	-22	
	4	50	12.8	-14	13.9	-15.2	16.3	-17.6	19	-20.7	
	4	100	12.1	-13.5	13.2	-14.5	15.5	-17.1	18	-19.8	



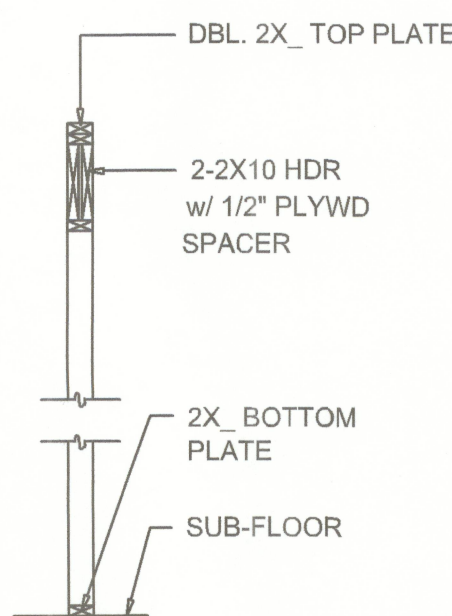
WALL CORNER



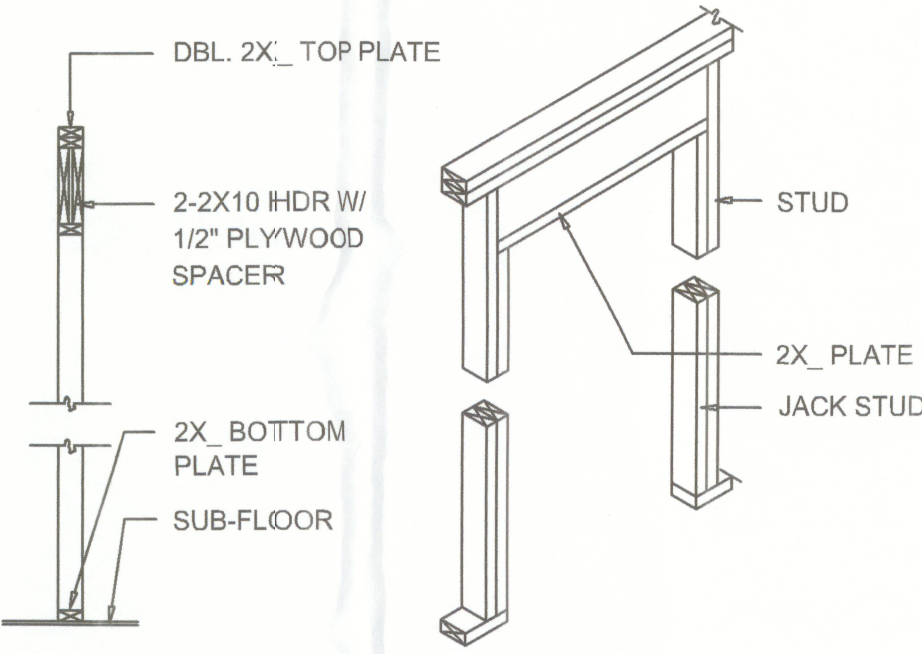
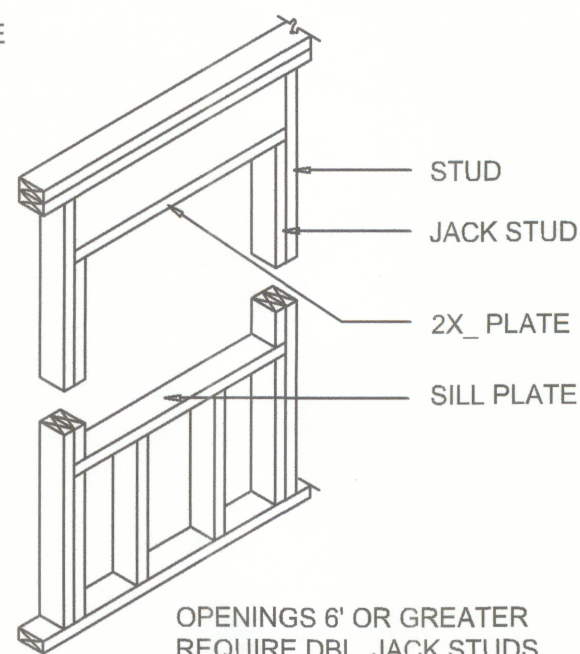
WALL INTERSECTION



NON-BEARING WALL HEADER



TYPICAL WINDOW HEADER



BEARING WALL HEADER

Wall Framing/Header DETAILS

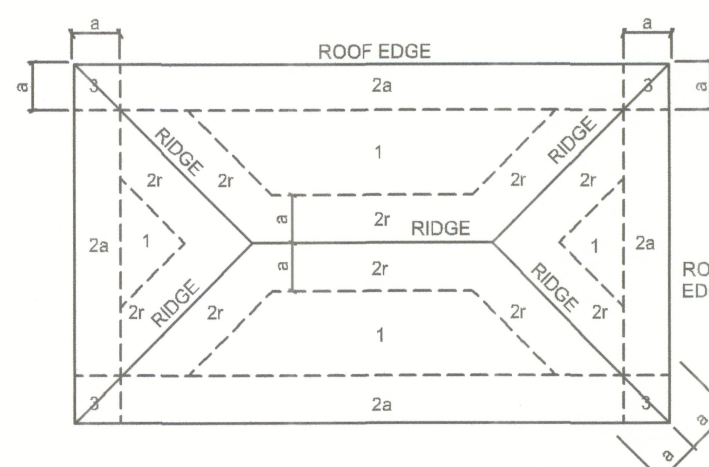
SCALE: NONE

F

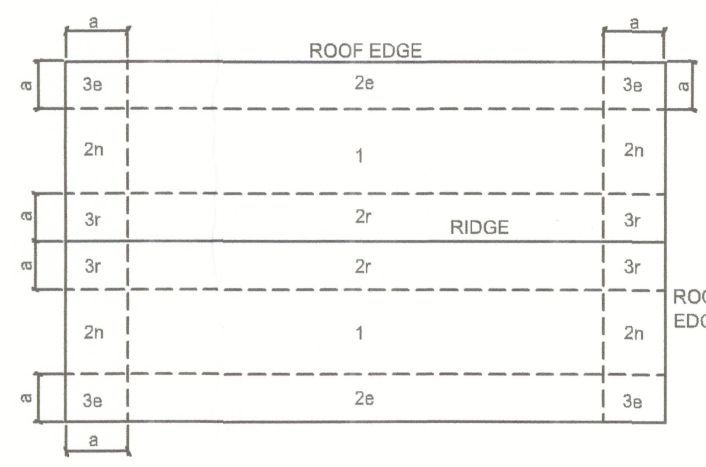
NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16" O.S.B. OR 1932 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	.83	1.23	1.55
25	.84	1.35	1.61
30	1.00	1.40	1.66



ROOF SHEATHING NAILING ZONES
(HIP ROOF)



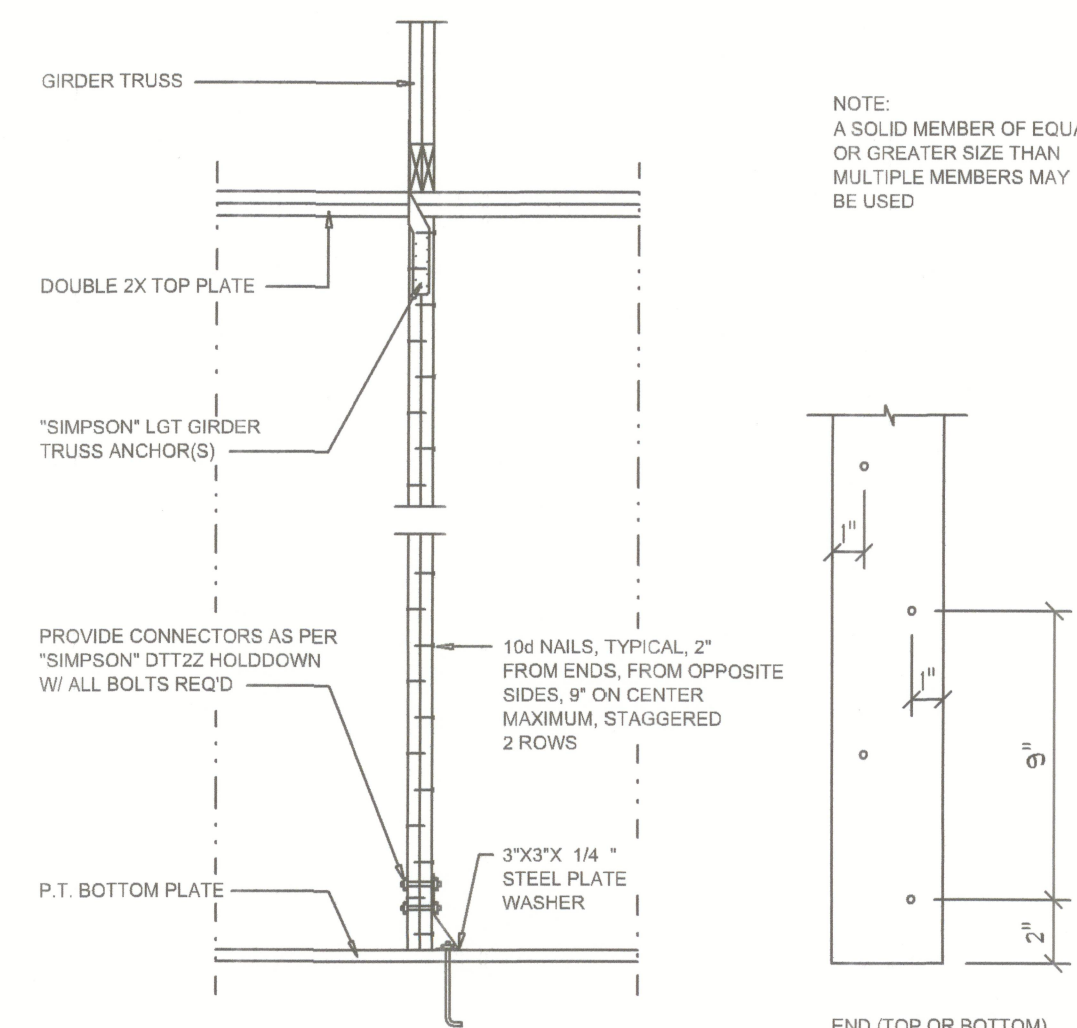
ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE

B

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



Girder Truss Column DET.

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

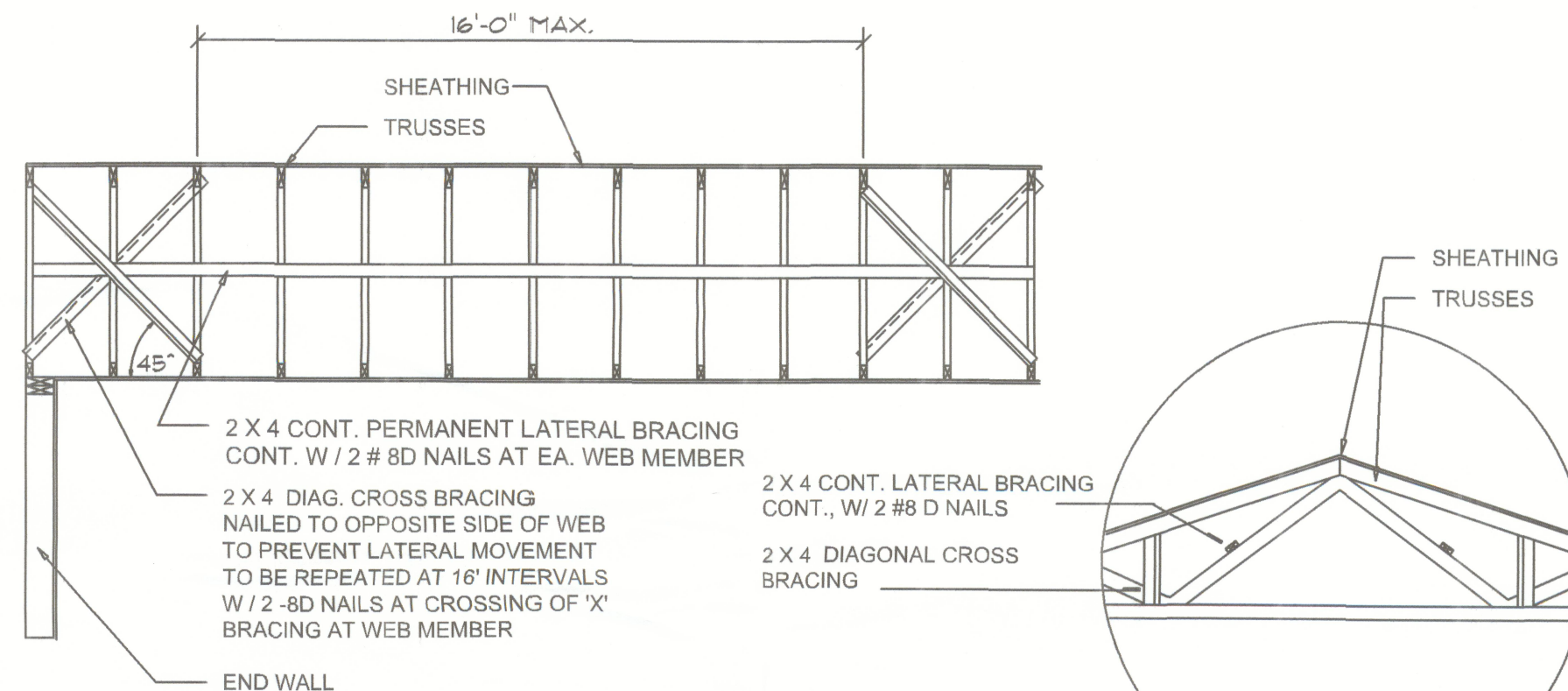
"WindSTORM" ALT. SHEATHING METHOD:

ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SPI/SP2 OR SPI4 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 @ 12" O.C. OR 8d COMMONS @ 4" O.C. FASTEN TO EACH STUD WITH EITHER 6d COMMONS @ 8" 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)



TYP. PERMANENT TRUSS BRACING DIA.

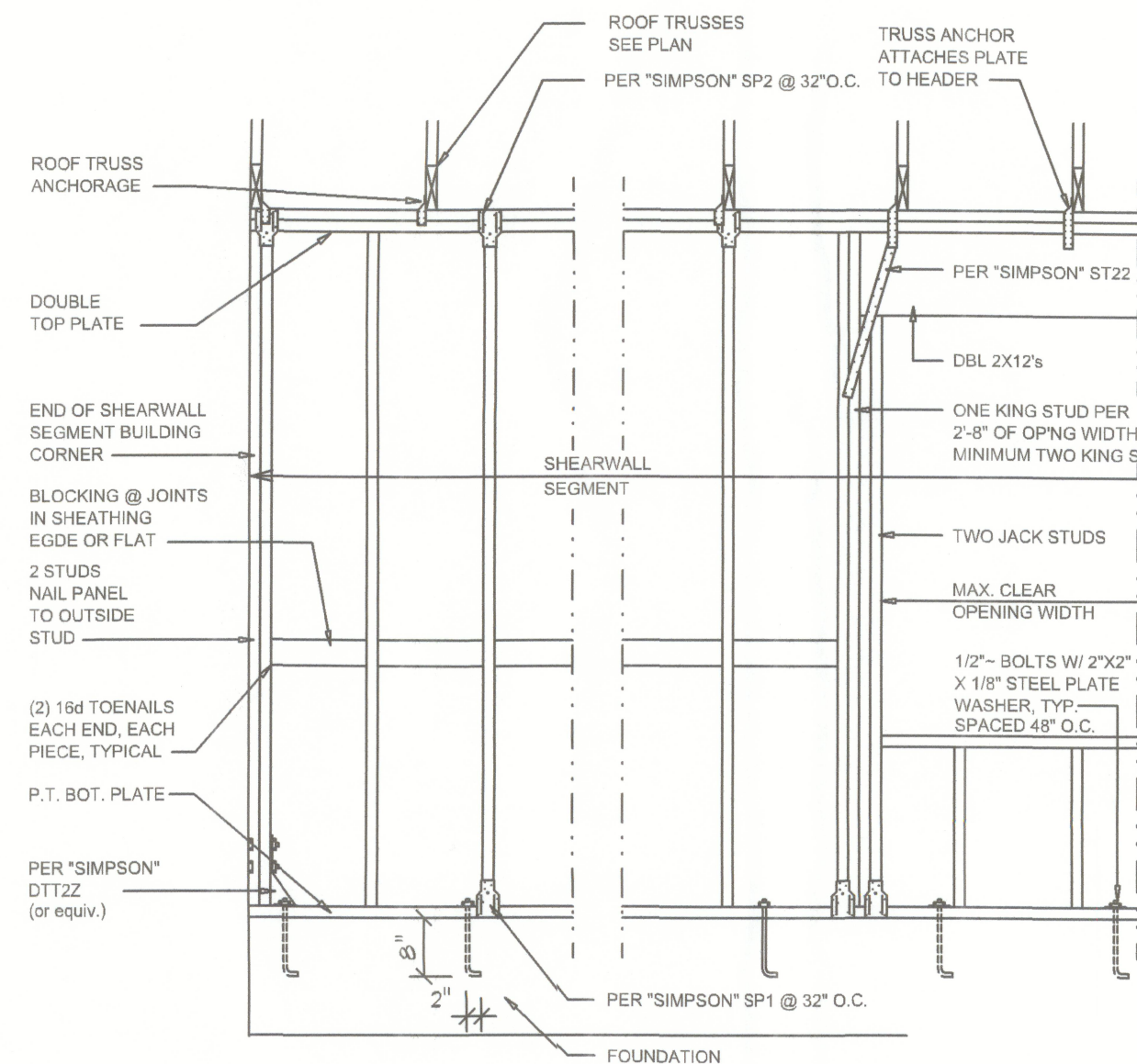
NTS

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 19-97 SBC1 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
June 15, 2023
February 26, 2024

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM HOME DESIGN FOR:
Duane & Kathy Palme
PROJECT ADDRESS: GUM SWAMP RD. COLUMBIA COUNTY, FLORIDA 32055

ARCOOT009
27 Feb 2024

NICHOLAS PAUL GEISHELT ARCHITECT
1758 NW Brown Rd.
Lake City, FL 32055
McA.R.B. Certified (386) 365-4355

JOB NUMBER
20230426

SHEET NUMBER

S.4
OF 4 SHEETS