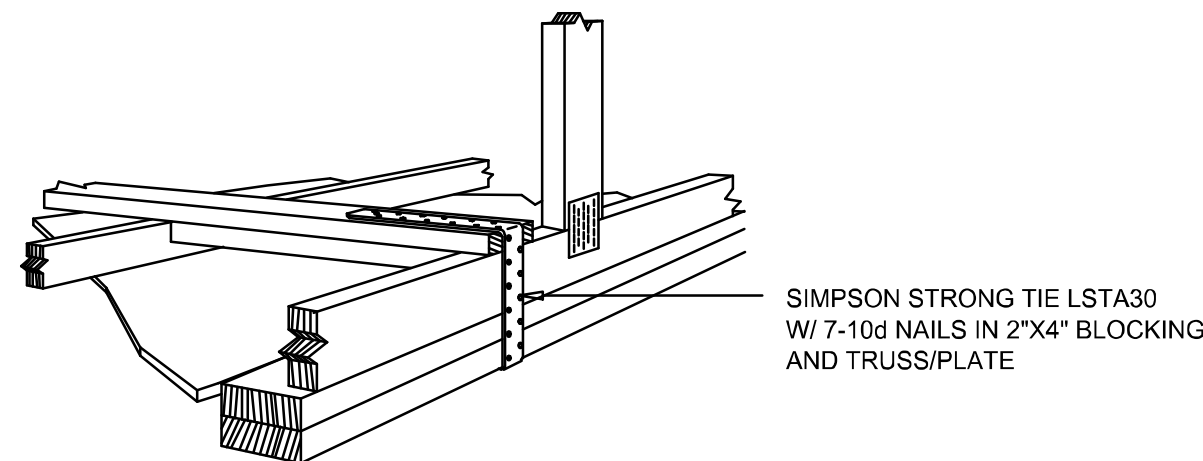
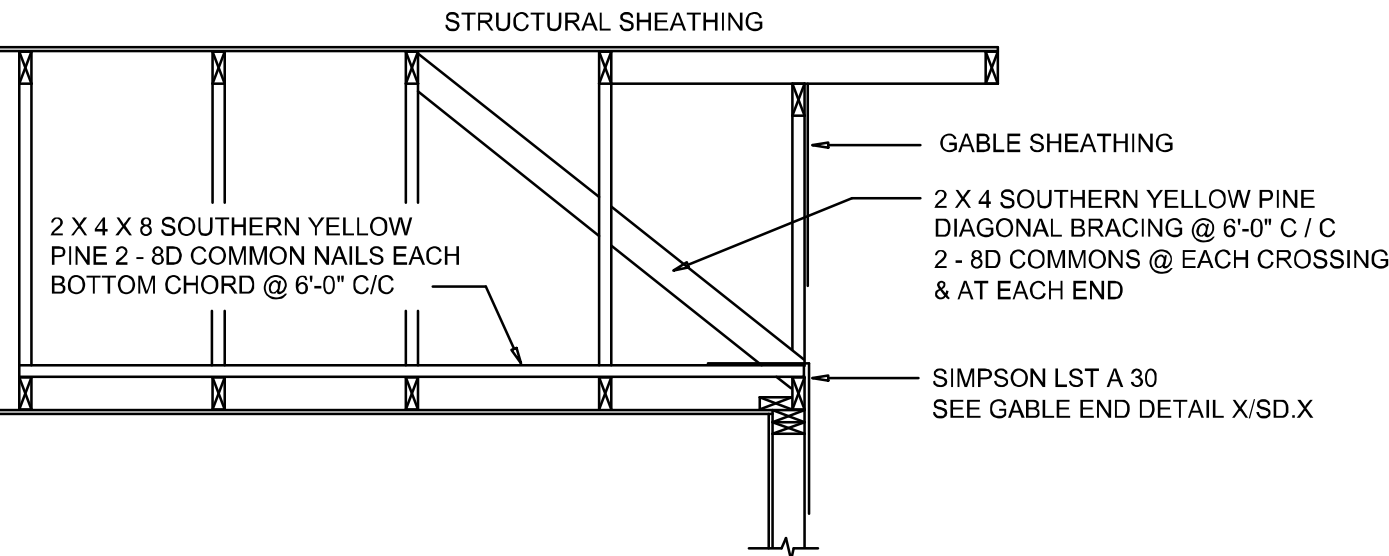




GABLE END GYPSUM DIAPHRAGM  
HOLDOWN CONNECTOR

SCALE: NONE

A.1

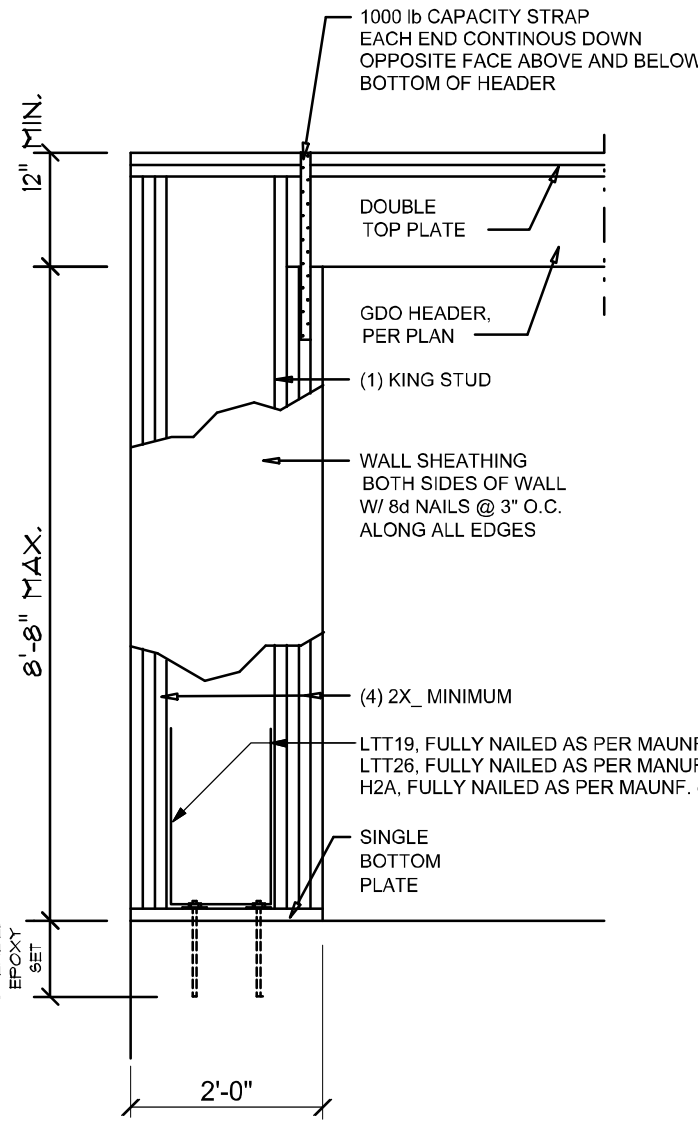


END WALL BRACING FOR  
CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)  
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

A

| BUILDING COMPONENTS & CLADDING LOADS<br>MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" |      |                 |                 |                 |                 |              |
|------------------------------------------------------------------------------------|------|-----------------|-----------------|-----------------|-----------------|--------------|
| ZONE                                                                               | AREA | Vult<br>110 MPH | Vult<br>120 MPH | Vult<br>130 MPH | Vult<br>140 MPH |              |
|                                                                                    |      | 10              | 12.0 / -19.9    | 14.9 / -23.7    | 17.5 / -27.8    | 20.3 / -32.3 |
|                                                                                    |      | 1               | 20              | 11.4 / -19.4    | 13.6 / -23.0    | 16.0 / -27.0 |
|                                                                                    |      | 1               | 50              | 10.0 / -18.6    | 11.9 / -22.2    | 13.9 / -26.0 |
| ROOF 7' TO 27'                                                                     | AREA | 10              | 12.5 / -34.7    | 14.9 / -41.3    | 17.5 / -48.4    | 20.3 / -56.2 |
|                                                                                    |      | 2               | 20              | 11.4 / -31.9    | 13.6 / -38.0    | 16.0 / -44.6 |
|                                                                                    |      | 2               | 50              | 10.0 / -28.2    | 11.9 / -33.6    | 13.9 / -39.4 |
|                                                                                    |      | 3               | 10              | 12.5 / -51.3    | 14.9 / -61.0    | 17.5 / -71.6 |
| WALL                                                                               | AREA | 20              | 11.4 / -47.9    | 13.6 / -57.1    | 16.0 / -67.0    | 18.5 / -77.7 |
|                                                                                    |      | 3               | 50              | 10.0 / -43.5    | 11.9 / -51.8    | 13.9 / -60.8 |
|                                                                                    |      | 4               | 10              | 21.8 / -23.8    | 25.9 / -34.7    | 30.4 / -33.0 |
|                                                                                    |      | 20              | 20.8 / -22.6    | 24.7 / -26.9    | 29.0 / -31.6    | 33.7 / -36.7 |
| WALL                                                                               | AREA | 4               | 50              | 19.5 / -21.3    | 23.2 / -25.4    | 27.2 / -29.8 |
|                                                                                    |      | 5               | 10              | 21.8 / -29.1    | 25.9 / -34.7    | 30.4 / -40.7 |
|                                                                                    |      | 20              | 20.8 / -27.2    | 24.7 / -32.4    | 29.0 / -38.0    | 33.7 / -44.0 |
|                                                                                    |      | 5               | 50              | 19.5 / -24.6    | 23.2 / -29.3    | 27.2 / -34.3 |



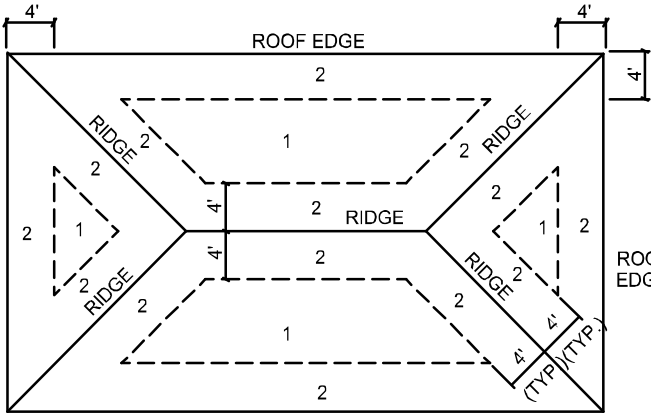
Garage End Wall DETAIL

SCALE: NTS

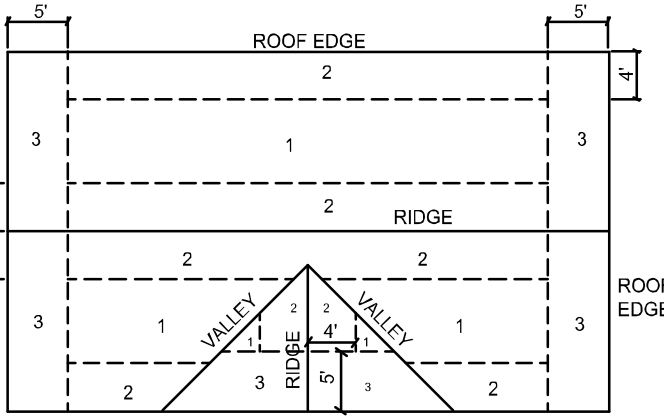
G

| ROOF SHEATHING FASTENINGS |                              |                                                                                     |                                      |
|---------------------------|------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|
| NAILING ZONE              | SHEATHING TYPE               | FASTENER                                                                            | SPACING                              |
| 1                         | 7/16" O.S.B.<br>OR 15/32 CDX | 8d COMMON OR<br>8d HOT DIPPED<br>GALVANIZED<br>BOX NAILS                            | 6 in. o.c. EDGE<br>12 in. o.c. FIELD |
| 2                         |                              |                                                                                     | 6 in. o.c. EDGE<br>6 in. o.c. FIELD  |
| 3                         |                              | 4 in. o.c. @ GABLE ENDWALL<br>OR GABLE TRUSS<br>6 in. o.c. EDGE<br>6 in. o.c. FIELD |                                      |

| HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS<br>FOR BUILDING COMPONENTS & CLADDING |              |              |              |
|---------------------------------------------------------------------------------|--------------|--------------|--------------|
| BLDG HEIGHT                                                                     | EXPOSURE "B" | EXPOSURE "C" | EXPOSURE "D" |
| 15                                                                              | 1.00         | 1.21         | 1.47         |
| 20                                                                              | 1.00         | 1.28         | 1.55         |
| 25                                                                              | 1.00         | 1.35         | 1.61         |
| 30                                                                              | 1.00         | 1.40         | 1.66         |



ROOF SHEATHING NAILING ZONES  
(HIP ROOF)



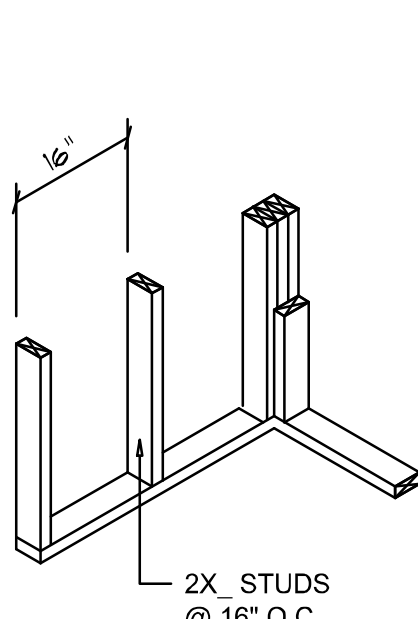
ROOF SHEATHING NAILING ZONES  
(GABLE ROOF)

Roof Nail Pattern DET.

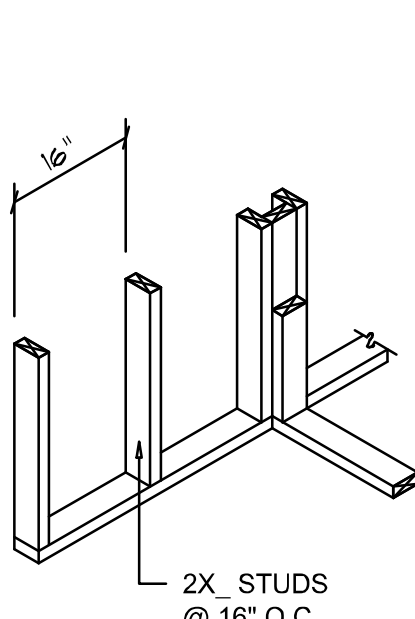
SCALE: NONE

B

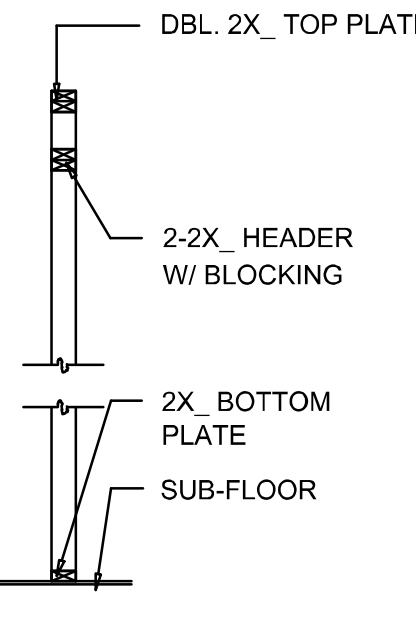
| HEADER SPANS FOR EXTERIOR BEARING WALLS |             |                     |     |         |   |
|-----------------------------------------|-------------|---------------------|-----|---------|---|
| HEADERS SUPPORTING:                     | HEADER SIZE | BUILDING WIDTH (FT) |     |         |   |
|                                         |             | 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 |
| ROOF, CEILING                           | 4-2x12      | 14'-1"              | 1   | 12'-2"  | 2 |
|                                         |             |                     |     | 10'-11" | 1 |



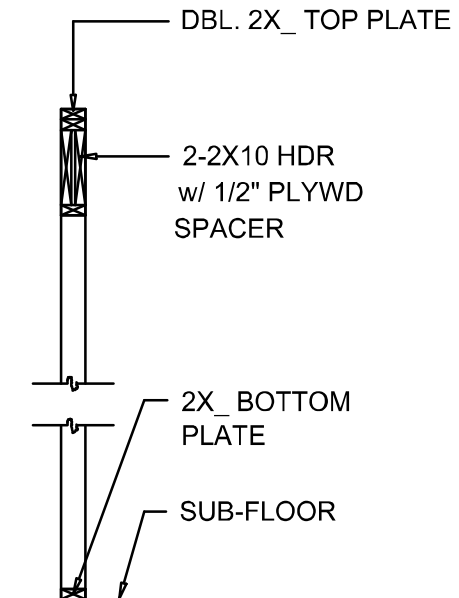
WALL CORNER



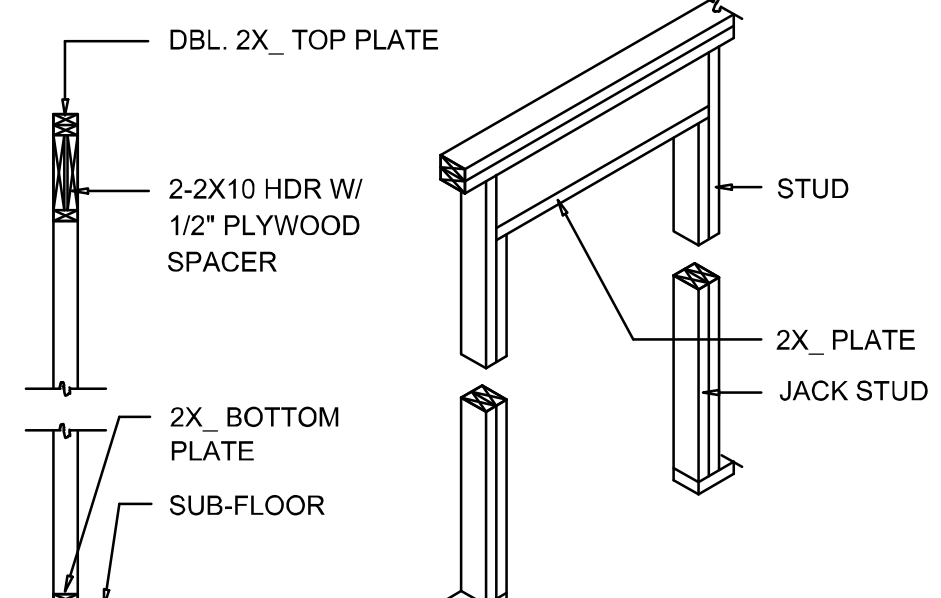
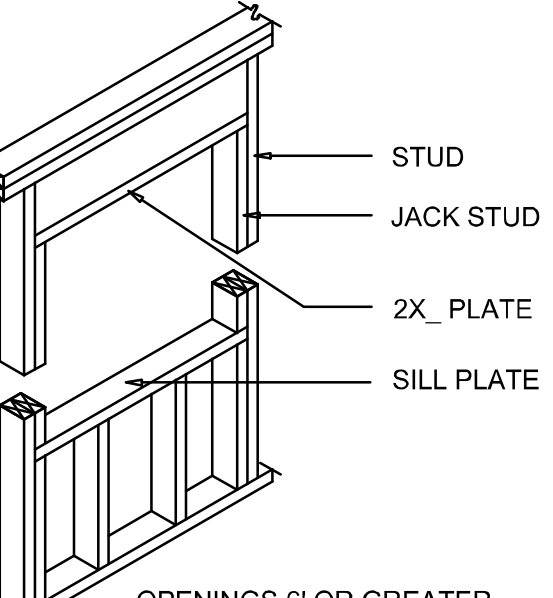
WALL INTERSECTION



NON-BEARING WALL HEADER



TYPICAL WINDOW HEADER

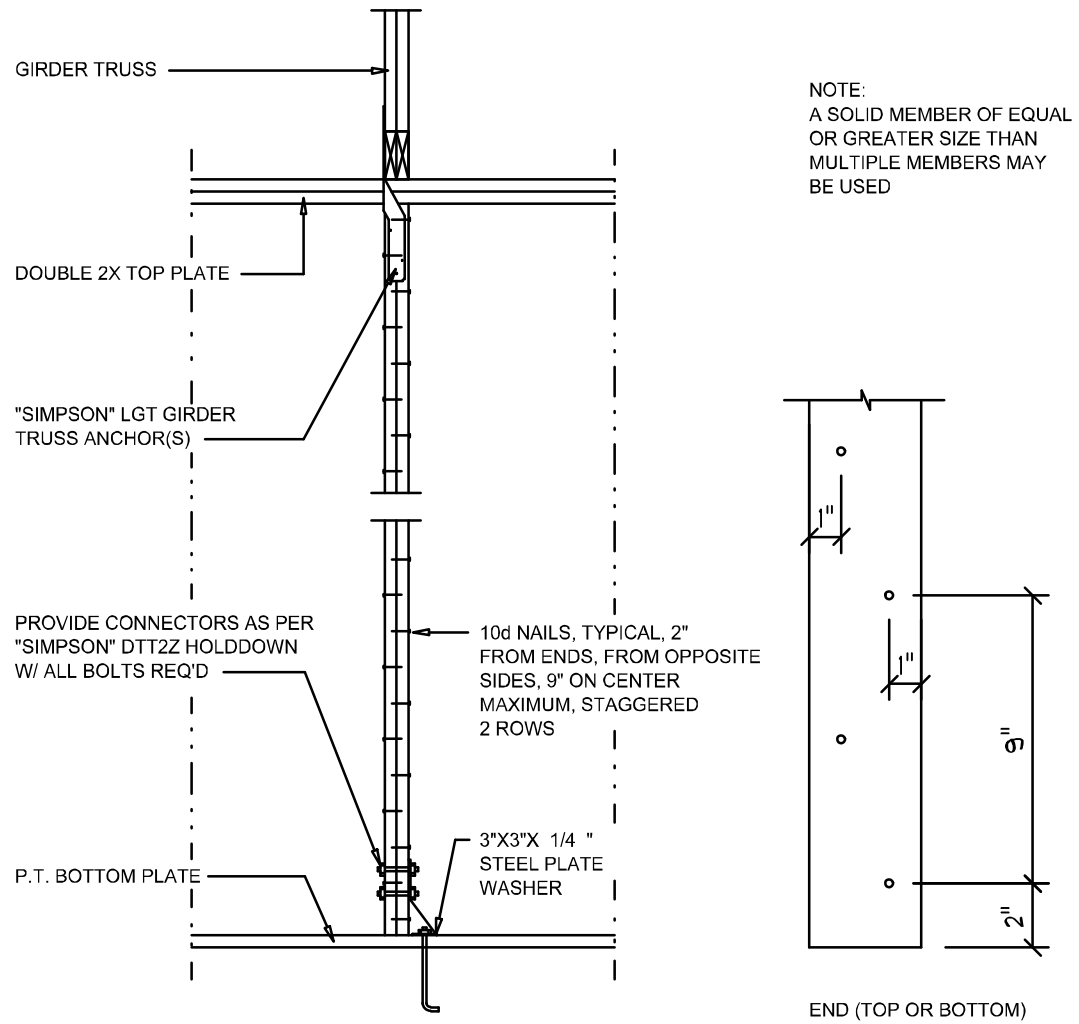


BEARING WALL HEADER

Wall Framing/Header DETAILS

SCALE: NONE

F

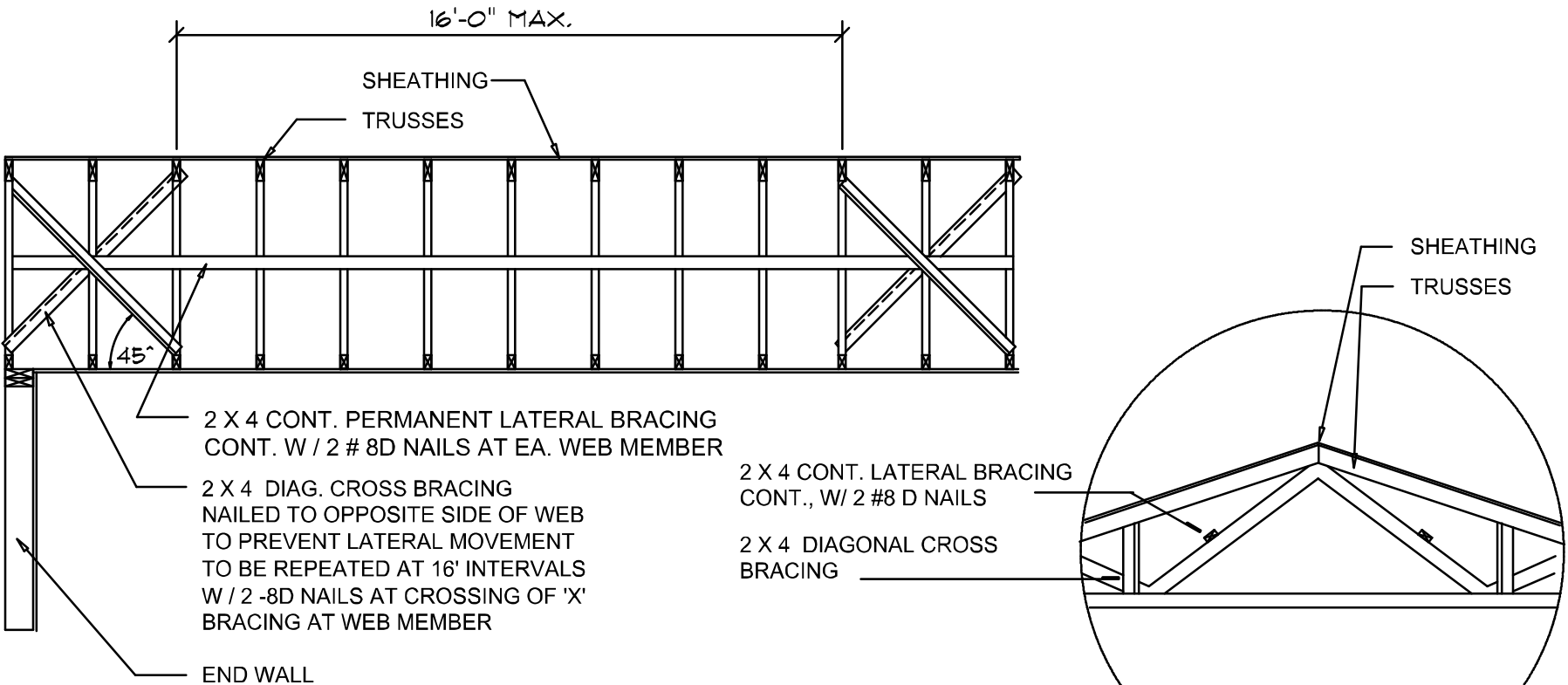


Girder Truss Column DET.

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

"WindSTORM" ALT. SHEATHING METHOD:  
ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SP1/SP2 OR SP4 STRAPS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL ALLOWED AS FOLLOWS:  
1. APPLY VERTICALLY, "WindSTORM" 7/16" O.S.B. 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 @ 9" 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)



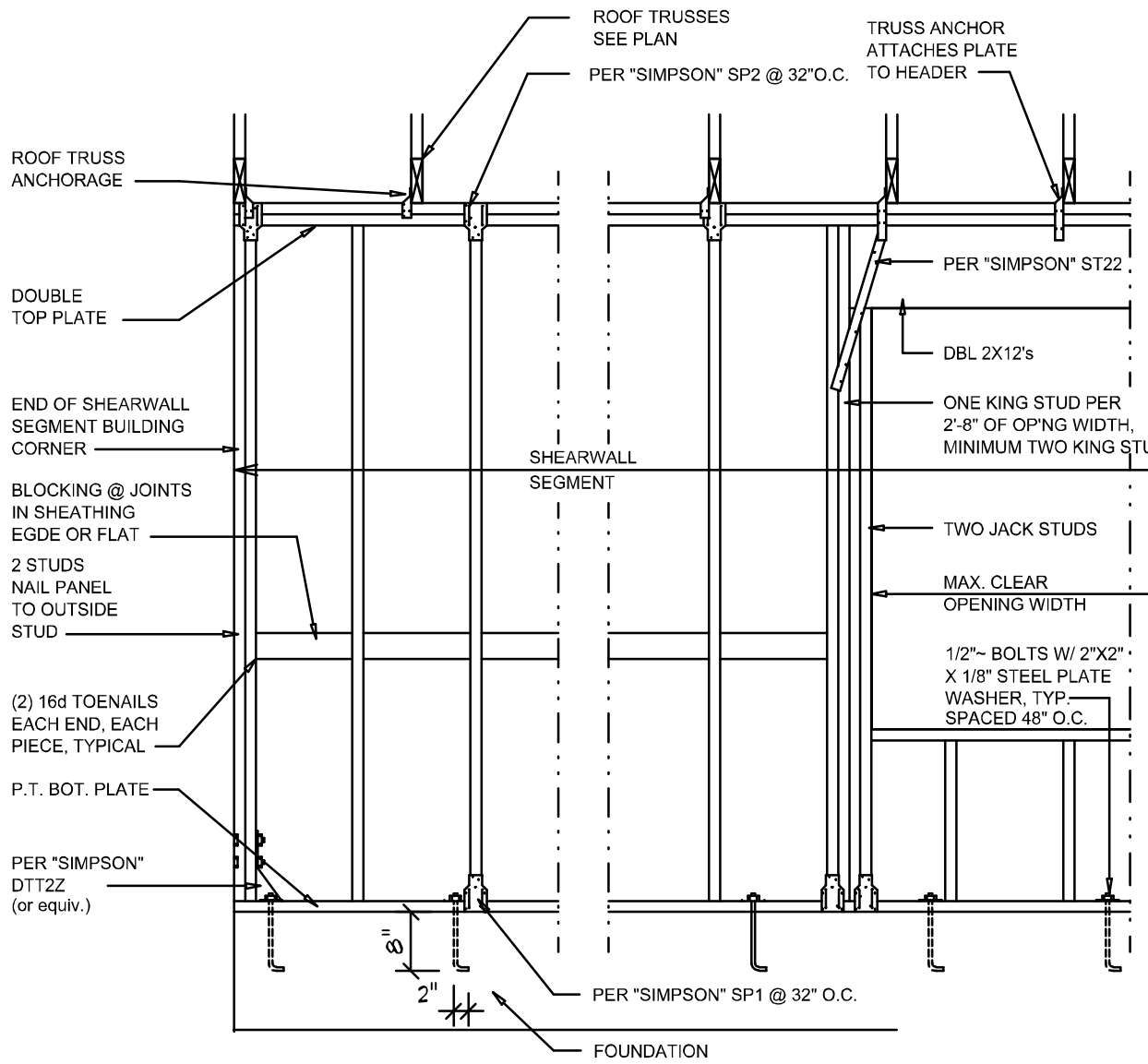
TYP. PERMANENT TRUSS BRACING DIA.

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

Truss Bracing DETAILS

SCALE: AS NOTED

D



- SHEARWALL NOTES:
- 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 5/8 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.9 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  
December 03, 2024

SOFTPLAN  
ARCHITECTURAL SOFTWARE

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

MODEL 1595 FOR:  
LOT 8, CROSSWINDS  
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA  
RHETT SMITHEY  
LAKE CITY, FLORIDA

NICHOLAS PAUL ARCHITECT  
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JOB NUMBER  
20241203

SHEET NUMBER  
S.4  
OF 4 SHEETS