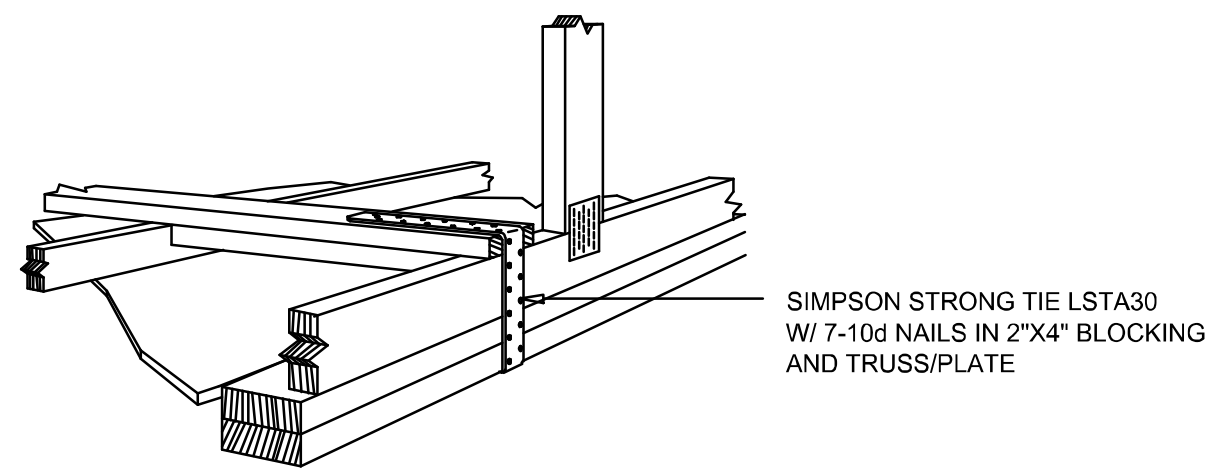
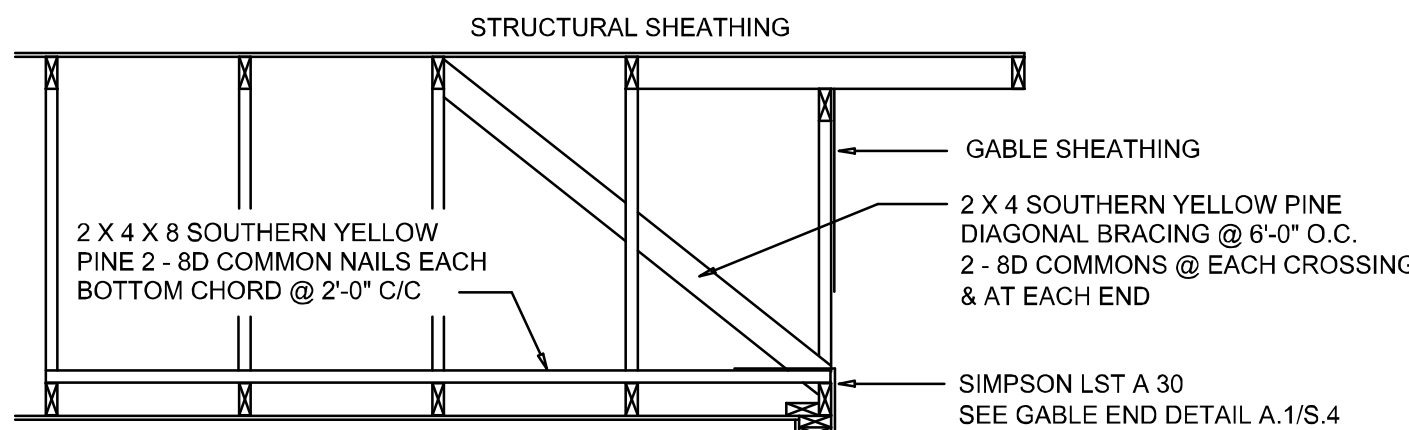




### GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1



### END WALL BRACING FOR CEILING DIAPHRAGM

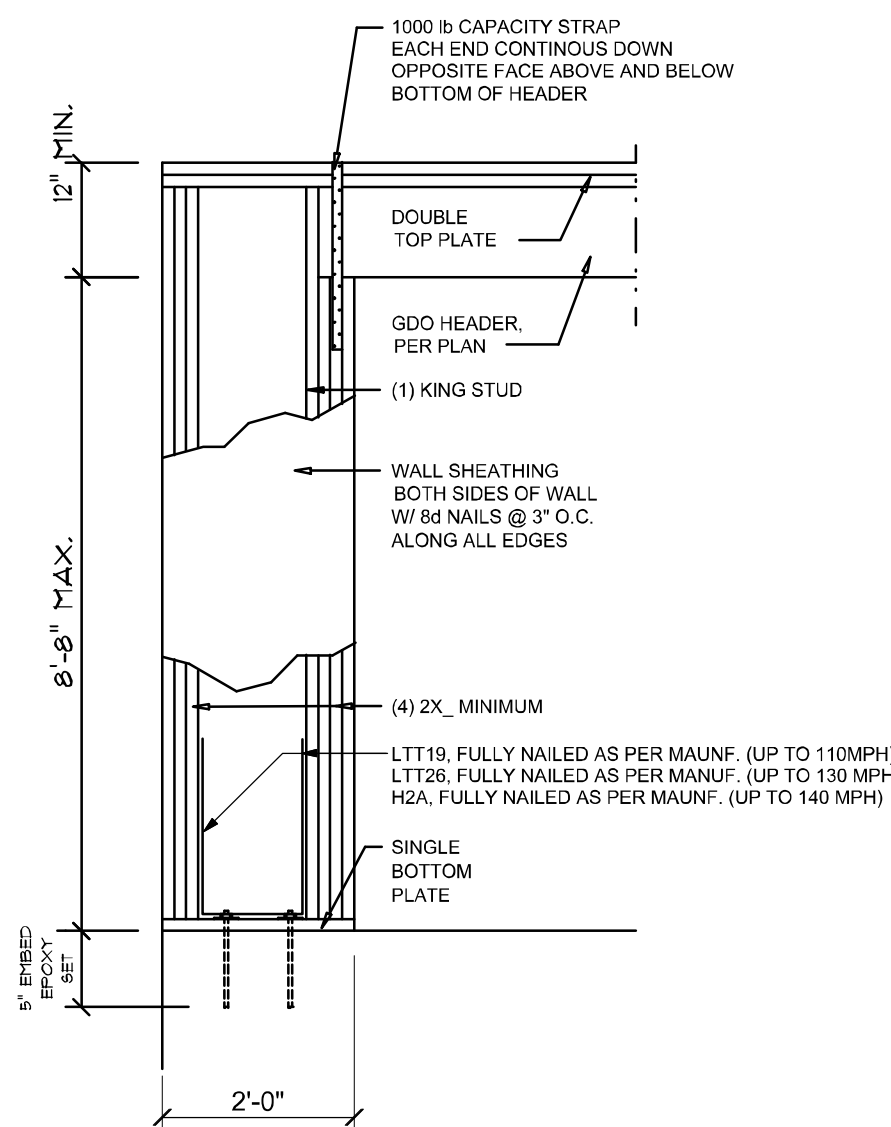
NTS

(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"<br>ROOF ANGLE 21° TO 45° |                            |                |       |                 |       |                 |       |                 |       |  |
|-------------------------------------------------------------------------------------------------------------|----------------------------|----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|--|
| ZONE                                                                                                        | AREA<br>(ft <sup>2</sup> ) | Vult<br>15 MPH |       | Vult<br>120 MPH |       | Vult<br>150 MPH |       | Vult<br>140 MPH |       |  |
|                                                                                                             |                            | Pos            | Neg   | Pos             | Neg   | Pos             | Neg   | Pos             | Neg   |  |
| 1                                                                                                           | 10                         | 10.2           | -30.3 | 11.1            | -32.1 | 13              | -35   | 15.1            | -35.1 |  |
| 1                                                                                                           | 20                         | 10             | -18   | 10              | -19.6 | 11.3            | -23   | 13.1            | -26.7 |  |
| 1                                                                                                           | 30                         | 10             | -16   | 10              | -16.3 | 10              | -19.2 | 10.8            | -25.2 |  |
| 1                                                                                                           | 100                        | 10             | -12.7 | 10              | -13.8 | 10              | -16.2 | 10              | -18.8 |  |
| 2                                                                                                           | 10                         | 10.2           | -28.2 | 11.1            | -29.3 | 13              | -32.9 | 15.1            | -32.9 |  |
| 2                                                                                                           | 20                         | 10             | -19.1 | 10              | -20.8 | 11.3            | -24.4 | 13.1            | -28.3 |  |
| 2                                                                                                           | 30                         | 10             | -11.9 | 10              | -12.9 | 10              | -15.1 | 10.2            | -17.6 |  |
| 2                                                                                                           | 100                        | 10             | -11.9 | 10              | -12.9 | 10              | -15.1 | 10              | -17.6 |  |
| 2                                                                                                           | 10                         | 10.2           | -30.6 | 11.1            | -32.3 | 13              | -35.1 | 15.1            | -35.4 |  |
| 2                                                                                                           | 20                         | 10             | -22.7 | 10              | -23   | 11.3            | -25.8 | 13.1            | -28.1 |  |
| 2                                                                                                           | 30                         | 10             | -19.2 | 10              | -20.9 | 10              | -24.5 | 10.2            | -28.4 |  |
| 2                                                                                                           | 100                        | 10             | -14.3 | 10              | -15.5 | 10              | -18.2 | 10              | -21.2 |  |
| 3                                                                                                           | 10                         | 10.2           | -32.7 | 11.1            | -35.6 | 13              | -41.7 | 15.1            | -45.4 |  |
| 3                                                                                                           | 20                         | 10             | -24.9 | 10              | -26.7 | 11.3            | -31.4 | 13.1            | -34.4 |  |
| 3                                                                                                           | 30                         | 10             | -14.3 | 10              | -15.5 | 10              | -18.2 | 10.2            | -21.2 |  |
| 3                                                                                                           | 100                        | 10             | -14.3 | 10              | -15.5 | 10              | -18.2 | 10              | -21.2 |  |
| 4                                                                                                           | 10                         | 14.3           | -15.5 | 15.5            | -18.9 | 18.2            | -19.8 | 21.2            | -23.9 |  |
| 4                                                                                                           | 20                         | 10.6           | -14.8 | 14.8            | -16.1 | 17.4            | -19   | 20.2            | -22   |  |
| 4                                                                                                           | 30                         | 10.8           | -15.1 | 15.9            | -17.2 | 18.3            | -19.8 | 19              | -20.7 |  |
| 4                                                                                                           | 100                        | 10.4           | -11.3 | 13.2            | -14.6 | 15.7            | -17.1 | 16              | -18.2 |  |
| 4                                                                                                           | 100                        | 10.6           | -11.9 | 11.6            | -12.9 | 13.6            | -15.1 | 15.8            | -17.6 |  |
| 5                                                                                                           | 10                         | 14.3           | -19.1 | 15.5            | -20.8 | 18.2            | -24.4 | 21.2            | -28.3 |  |
| 5                                                                                                           | 20                         | 10.6           | -17.8 | 14.8            | -19.4 | 17.4            | -22.6 | 20.2            | -26.4 |  |
| 5                                                                                                           | 30                         | 10.8           | -16.1 | 13.9            | -17.6 | 16.3            | -20.6 | 19              | -23.9 |  |
| 5                                                                                                           | 100                        | 10.4           | -14.9 | 13.2            | -16.1 | 15.3            | -19   | 16              | -20   |  |
| 5                                                                                                           | 100                        | 10.6           | -11.9 | 11.6            | -12.9 | 13.6            | -15.1 | 15.8            | -17.6 |  |



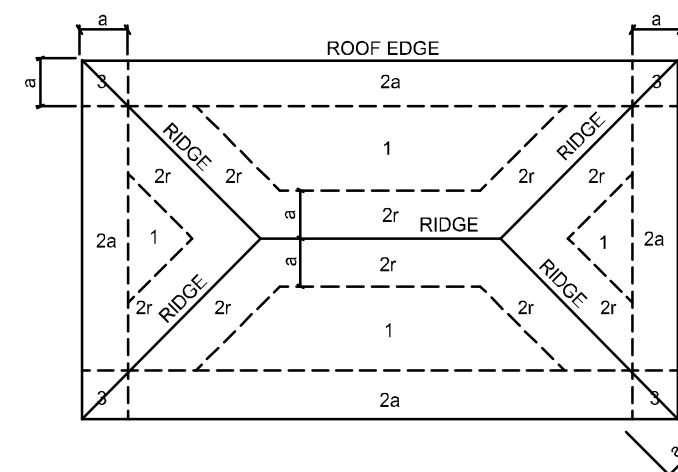
### Garage End Wall DETAIL

SCALE: NTS

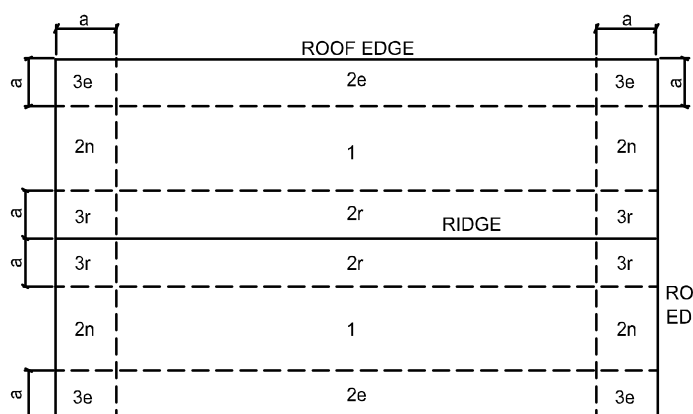
G

| ROOF SHEATHING FASTENINGS |                                          |                      |                                                                                     |
|---------------------------|------------------------------------------|----------------------|-------------------------------------------------------------------------------------|
| NAILING ZONE              | SHEATHING TYPE                           | FASTENER             | SPACING                                                                             |
| 1                         | 7/16" O.S.B.<br>OR 19/32" CDX<br>PLYWOOD | 10d<br>RING<br>SHANK | 6 in. o.c. EDGE<br>6 in. o.c. FIELD                                                 |
| 2                         |                                          |                      | 4 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 (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)



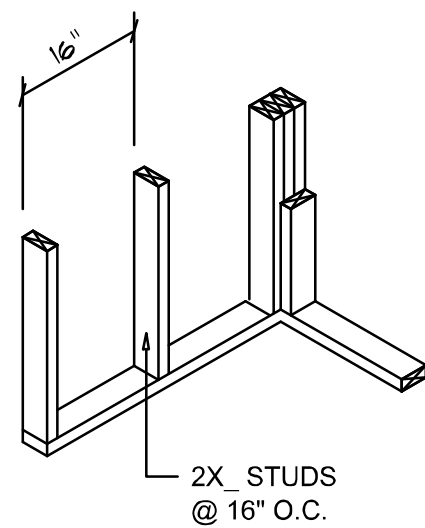
ROOF SHEATHING NAILING ZONES  
(GABLE ROOF)

### Roof Nail Pattern DET.

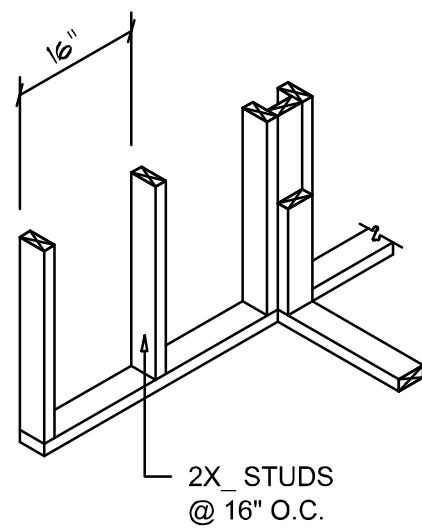
SCALE: NONE

B

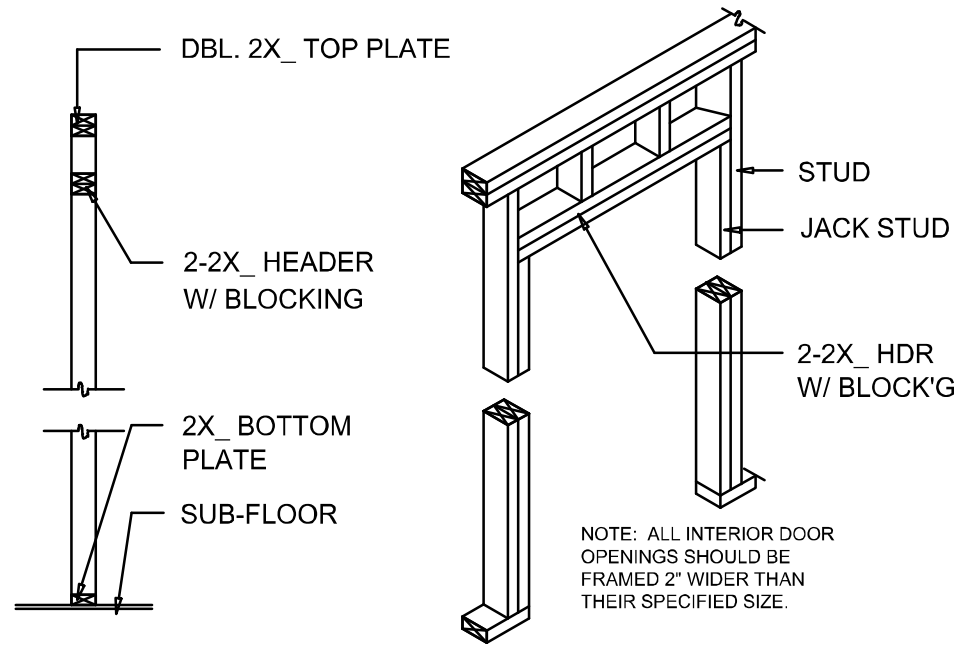
| HEADER SPANS FOR EXTERIOR BEARING WALLS |             |                     |         |        |         |
|-----------------------------------------|-------------|---------------------|---------|--------|---------|
| HEADERS SUPPORTING:                     | HEADER SIZE | BUILDING WIDTH (FT) |         |        |         |
|                                         |             | 20'                 |         | 28'    |         |
| ROOF, CEILING                           | 2-2x4       | SPAN                | # JACKS | SPAN   | # JACKS |
|                                         | 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       |



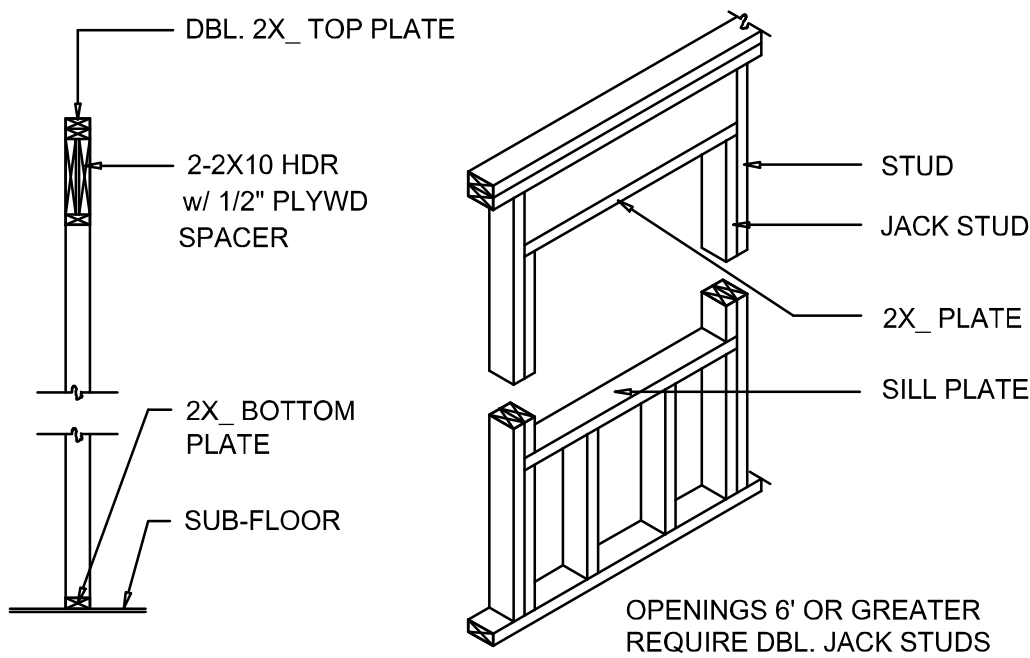
WALL CORNER



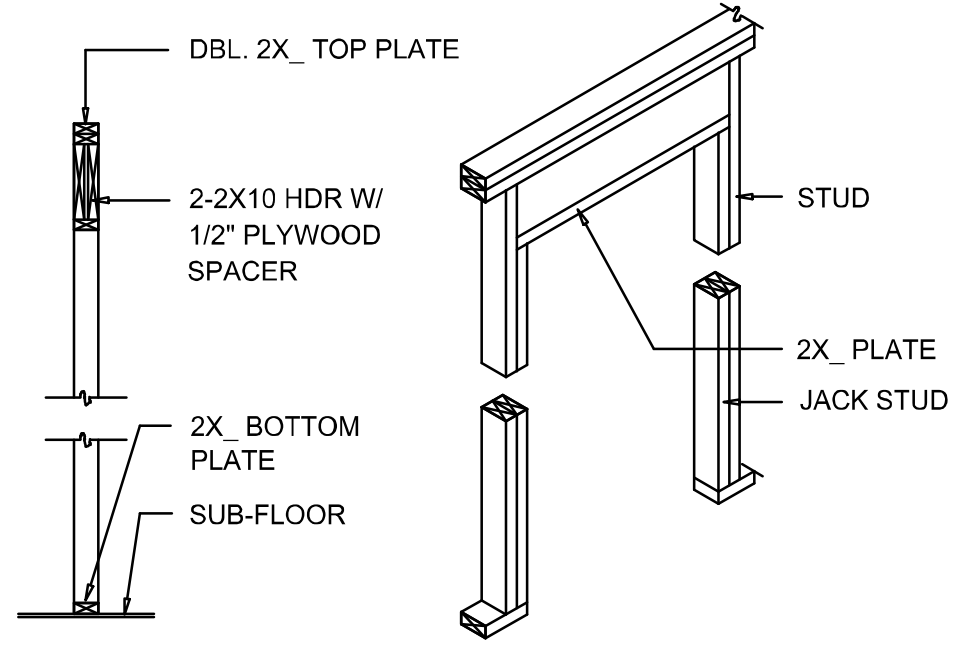
WALL INTERSECTION



NON-BEARING WALL HEADER



TYPICAL WINDOW HEADER

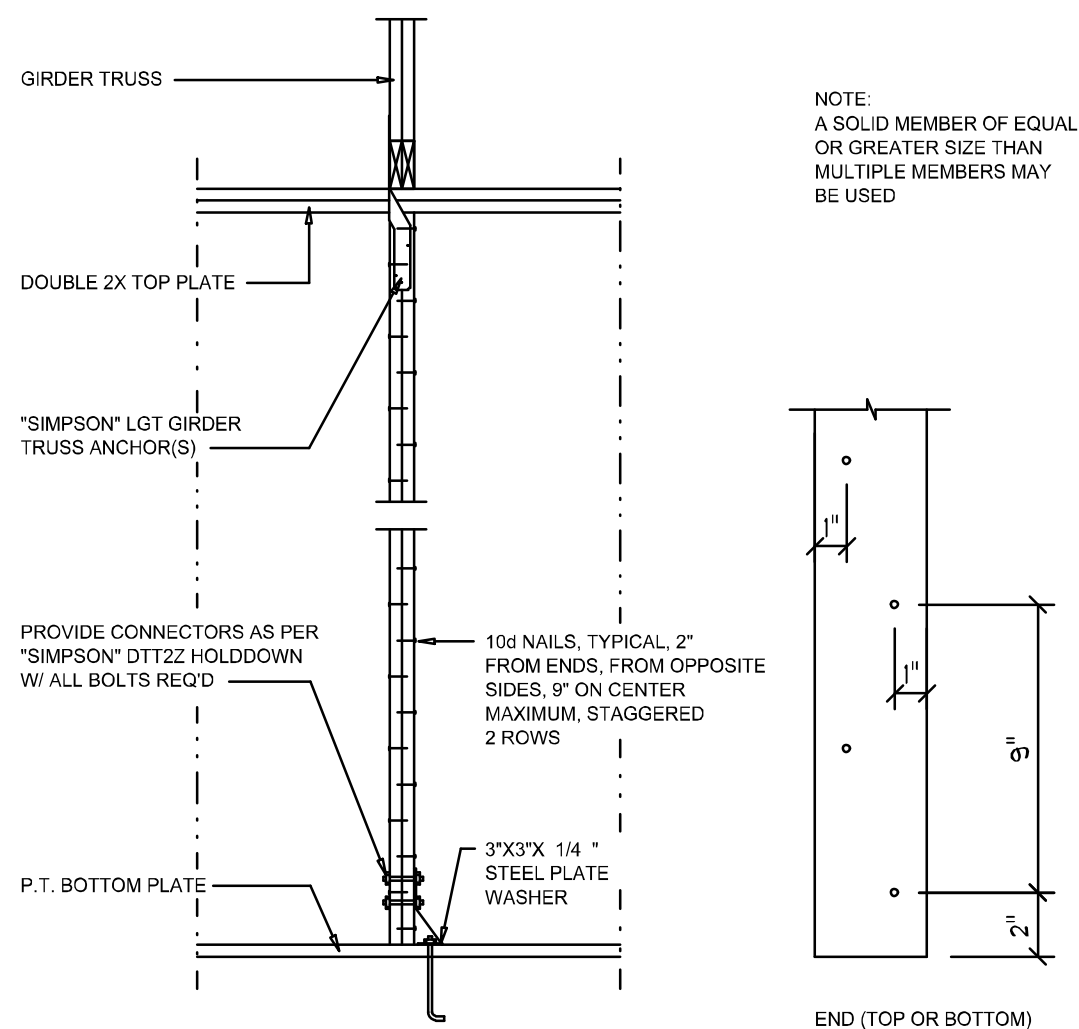


BEARING WALL HEADER

### Wall Framing/Header DETAILS

SCALE: NONE

F



"WindSTORM" ALT. SHEATHING METHOD:

ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SPIRSP2 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 5d 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.

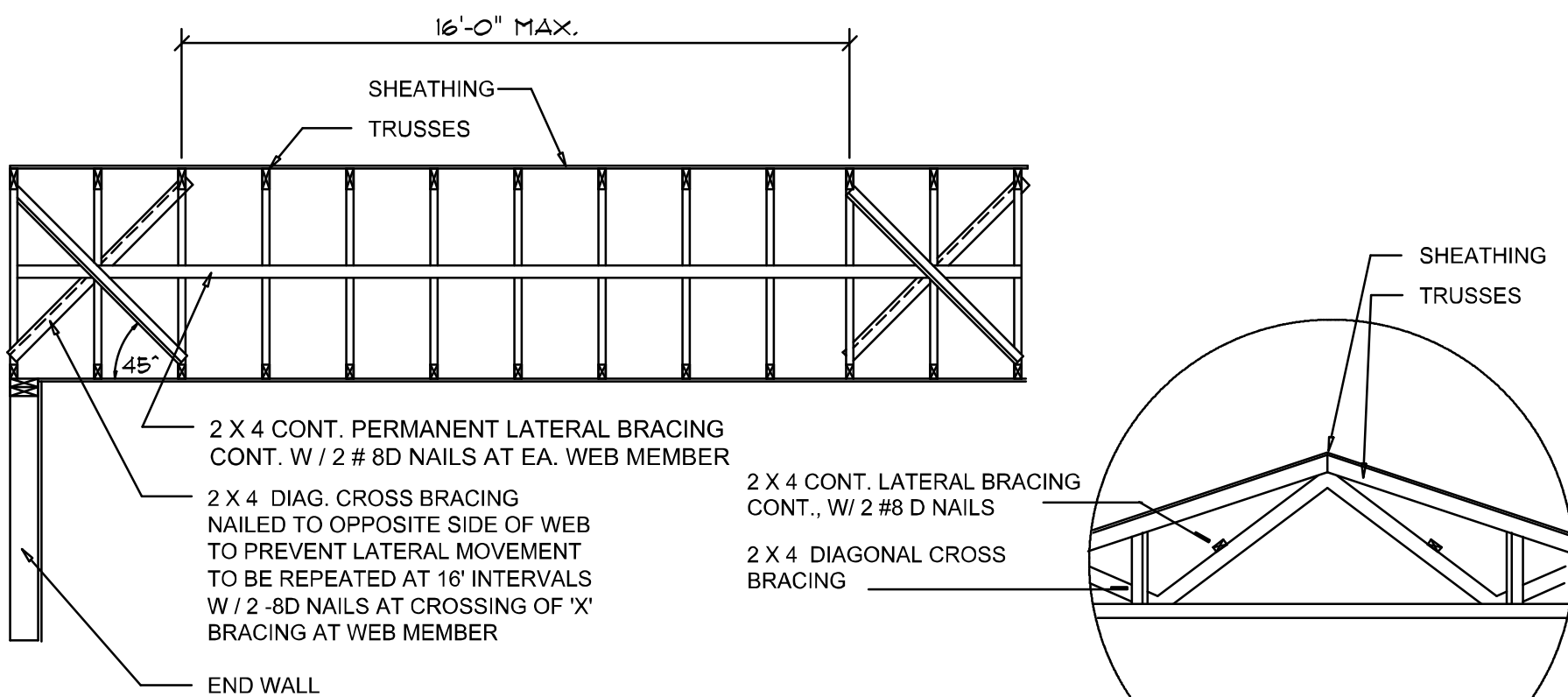
Alternate "Titan" bolt concrete anchor system

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.

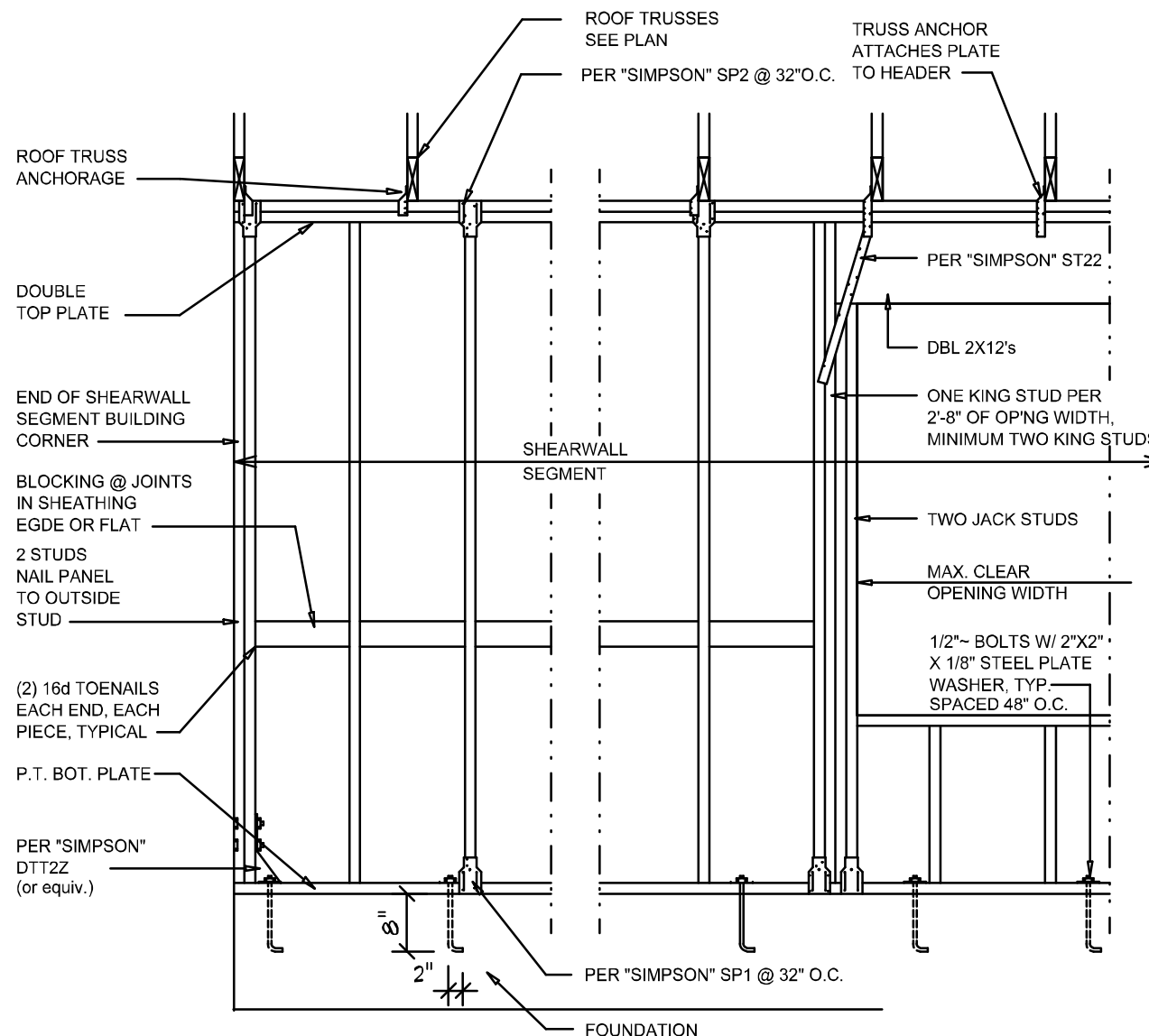
NTS

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 SBB01.305.4.3.
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 5/6 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       |
|-----------------|
| May 20, 2021    |
| August 09, 2022 |

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

|                                                               |
|---------------------------------------------------------------|
| A CUSTOM HOME DESIGN FOR:                                     |
| <b>CHRIS &amp; BEVERLY HAMRICK</b>                            |
| PROJECT ADDRESS: LOT 57, THE OAKS OF LAKE CITY, FLORIDA 32024 |
| <b>IC CONSTRUCTION, LLC.</b>                                  |
| LICENSE # CBC1259655                                          |

|           |
|-----------|
| AR0001005 |
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|                                       |
|---------------------------------------|
| <b>NICHOLAS GEISLER ARCHITECT</b>     |
| 1758 NW Brown Rd. Ft. Myers, FL 33905 |
| (888) 335-1335                        |

|            |
|------------|
| JOB NUMBER |
| 20220515   |

|              |
|--------------|
| SHEET NUMBER |
| <b>S.4</b>   |
| OF 4 SHEETS  |

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