

REVISIONS	
May 7th, 2024	

CUSTOM HOME FOR:

IC CONST. SPEC HOUSE

COLUMBIA COUNTY, FLORIDA

NICHOLAS
PAUL
GEISLER
ARCHITECT

1755 NW Brown Rd.
Lake City, FL 32055

N.C.A.R.B. Certified

SHEET NUMBER

S.4

OF 4 SHEETS

N. P.
GEISLER

Digitally signed by: N. P. GEISLER
DN: cn=N. P. GEISLER email=ngp@icconst.com c=US o=IC ARCHITECT OU=AR0007005
Date: 2024.06.14 17:07:22 -0500

STRUCTURAL SHEATHING

2 X 4 X 8 SOUTHERN YELLOW PINE 2 - 8D COMMON NAILS EACH BOTTOM CHORD @ 6'-0" C/C

GABLE SHEATHING

2 X 4 SOUTHERN YELLOW PINE DIAGONAL BRACING @ 6'-0" C / C
2 - 8D COMMONS @ EACH CROSSING
4 AT EACH END

SIMPSON L&T A 30
SEE GABLE END DETAIL X/8D.X

10D NAILS @ 12" C / C

END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)

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

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6 in. o.c. EDGE 6 in. o.c. FIELD
2	1/4" x 5/8" O.S.B. OR 15/32" CDX	2 1/2" x 0.131" RING SHANK NAILS OR 3" x 0.120" RING SHANK NAILS	6 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	

ROOF SHEATHING NAILING ZONES (HIP ROOF)

ROOF SHEATHING NAILING ZONES (GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE

(2) 1000 LB CAPACITY STRAPS EACH END CONTINUOUS DOWN OPPOSITE FACE ABOVE AND BELOW BOTTOM OF HEADERS

DOUBLE TOP PLATE

600 HEADER PER PLAN

WALL SHEATHING W/ 13S RING SHANK NAILS @ 3" O.C. ALONG ALL EDGES

2 KING & 3 JACK STUDS

(2) SIMPSON HTSCT STRAPS W/ 1/2" ANCHOR BOLT W/ 2"x2" STL WASHERS

SINGLE P.T. BOTTOM PLATE

2'-0" MIN.

4'-0"

12" MIN.

8'-3" MAX.

NAIL ENTIRE CORNER ZONE AT 3" O.C. BOTH WAYS

CORNER SHEATHING (SINGLE PIECE) DETAIL

Garage End Wall DETAILS

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

WALL CORNER

STUDS @ 16" O.C.

WALL INTERSECTION

STUDS @ 16" O.C.

NON-BEARING WALL HEADER

DBL. TOP PLATE

HEADER W/ BLOCKING

BOTTOM PLATE

SUB-FLOOR

STUD

JACK STUD

HDR W/ BLOCK'G

NOTE: ALL INTERIOR DOOR OPENINGS SHOULD BE FRAMED 2" WIDER THAN THEIR SPECIFIED SIZE.

TYPICAL WINDOW HEADER

DBL. TOP PLATE

SEE HEADER SCHEDULE 6.2

BOTTOM PLATE

SUB-FLOOR

STUD

JACK STUD

PLATE

SILL PLATE

OPENINGS 6' OR GREATER REQUIRE DBL. JACK STUDS

BEARING WALL HEADER

DBL TOP PLATE

SEE HEADER SCHEDULE 6.2

BOTTOM PLATE

SUB-FLOOR

STUD

JACK STUD

PLATE

Wall Framing/Header DETAILS

SCALE: NONE

GIRDER TRUSS

DOUBLE 2X TOP PLATE

"SIMPSON" L&T GIRDER TRUSS ANCHORS

PROVIDE CONNECTORS AS PER "SIMPSON" HTS HOLDOWN W/ ALL BOLTS REQ'D

P.T. BOTTOM PLATE

10D NAILS, TYPICAL 2" FROM ENDS, FROM OPPOSITE SIDES 3" ON CENTER MAXIMUM, STAGGERED 2 ROWS

3" x 3" x 1/4" STEEL PLATE WASHER

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

END (TOP OR BOTTOM)

Girder Truss Column DET.

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

16'-0" MAX.

SHEATHING TRUSSES

2 X 4 CONT. PERMANENT LATERAL BRACING CONT. W/ 2 * 8D NAILS AT EA. WEB MEMBER

2 X 4 DIAG. CROSS BRACING NAILED TO OPPOSITE SIDE OF WEB TO PREVENT LATERAL MOVEMENT TO BE REPEATED AT 16' INTERVALS W/ 2 * 8D NAILS AT CROSSING OF 'X' BRACING AT WEB MEMBER

2 X 4 CONT. LATERAL BRACING CONT. W/ 2 * 8 D NAILS

2 X 4 DIAGONAL CROSS BRACING

END WALL

TYP. PERMANENT TRUSS BRACING DIA.

NTS

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

Truss Bracing DETAILS

SCALE: AS NOTED

ROOF TRUSSES SEE PLAN

PER "SIMPSON" SPS @ 32" O.C. (NOT REQUIRED WHEN USING WINDSTORM BOARD)

TRUSS ANCHOR ATTACHES PLATE TO HEADER

PER HEADER SCHED.

DBL HEADER PER SCHEDULE 6.2

ONE KING STUD PER 3'-6" OF OPNG WIDTH

TWO JACK STUDS FOR OPENINGS 6'-0" & GREATER (SINGLE JACK FOR SMALLER OPNGs)

MAX. CLEAR OPENING WIDTH

ROOF TRUSS ANCHORAGE

DOUBLE TOP PLATE

END OF SHEARWALL SEGMENT BUILDING CORNER

BLOCKING @ JOINTS IN SHEATHING EDGE OR FLAT

2 STUDS NAIL PANEL TO OUTSIDE STUD

(2) 16d TOENAILS EACH END, EACH PIECE, TYPICAL

P.T. BOT. PLATE

PER "SIMPSON" HTS

PER "SIMPSON" SPS @ 48" O.C. (NOT REQUIRED WHEN USING WINDSTORM BOARDS)

1/2" BOLTS W/ 2"x2" X 1/8" STEEL PLATE WASHER, TYP. @ 48" O.C.

FOUNDATION

SHEARWALL NOTES:

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
- THE WALL SHALL BE ENTIRELY SHEATHED WITH 1/8" WINDSTORM BD 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 8'-0"	(3) 2x4 OR (1) 2x6	2
8' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

Shear Wall DETAILS

SCALE: NONE