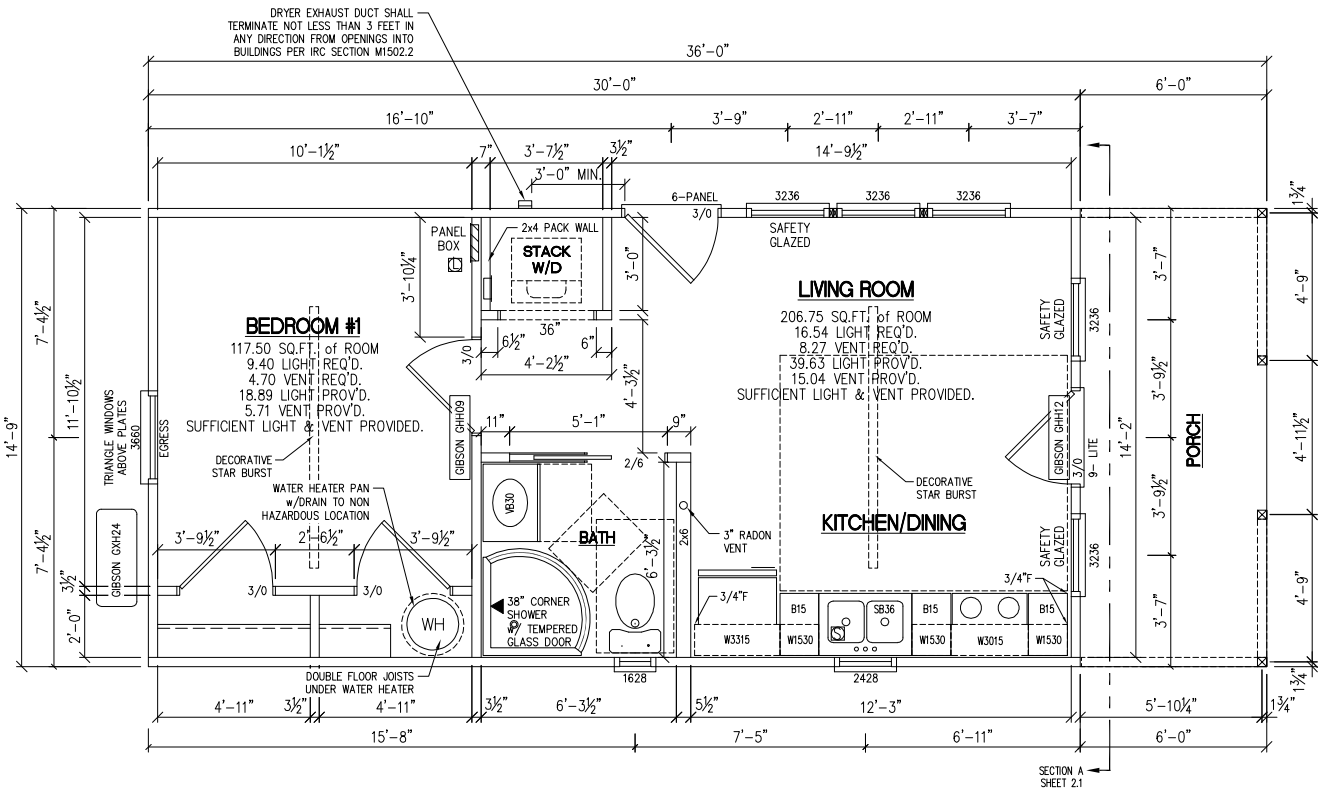
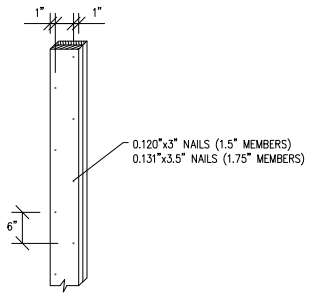


04/01/2021

BUILT UP COLUMN FASTENING



DATA PLATE

STATE & 3RD PARTY LABEL LOC'N.

NOTES:

1. THIS HOUSE PLAN MAY BE FLIPPED FROM FRONT TO BACK & OR LEFT TO RIGHT.
2. KITCHEN & BATH ROOM CABINETS MAY BE MOVED, ADDED OR OMITTED AS LONG AS THE PLUMBING DIAGRAM IS NOT MODIFIED.
3. ACTUAL WINDOWS & DOORS MAY BE UPGRADED AS LONG AS THEY ARE EQUAL TO OR BETTER THEN SPECIFIED.
4. ALL WINDOW OPENINGS WHICH ARE 72" ABOVE THE FINISHED GRADE, WITH THE BOTTOM OF THE CLEAR OPENING LESS THAN 24" ABOVE THE FINISHED FLOOR, SHALL BE PROVIDED WITH FIELD SUPPLIED AND INSTALLED WINDOW GUARDS PER. R613.2.

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FLOOR PLAN SQUARE FOOTAGES

1st Floor = 443 SQ.FT. of Living Space
Porch = 88 SQ.FT. of Porch
Total = 531 SQ.FT. Under Roof

–EXT. WALL HEADERS TO BE (2) 2x4 SPF #2 UNLESS NOTED OTHERWISE
–STRUCTURAL MEMBERS INDICATED ON THIS PLAN ARE ASSUMED TO HAVE FULL BEARING ON THE SPECIFIED SUPPORT COLUMN UNLESS NOTED OTHERWISE
–ALL STUDS INDICATED FOR HEADERS ARE SINGLE 2x4 SPF#2 JACK STUDS UNLESS NOTED OTHERWISE
–STRUCTURAL BEAMS SHALL NOT BE NOTCHED OR DRILLED
–FASTEN ALL HEADERS TO KING STUDS w/ (5) 0.120"x3" NAILS EACH END (TOENAILED OR IN ENDGRAIN)
–REQUIREMENTS FOR STRAPS FASTENED TO EDGE OR OF LVL MEMBERS:
–(2) ROWS OF NAILS w/ 1/2" MIN. SPACING BETWEEN ROWS

8d SINKER NAILS (0.113"x2 3/8")
MIN. SPACING PER ROW: 3" O.C.
MIN. END DISTANCE: 2"

10d SINKER NAILS (0.120"x3")
MIN. SPACING PER ROW: 4" O.C.
MIN. END DISTANCE: 3"

TN SUBMITTAL NUMBER: HTSCCB-018

HILLTOP STRUCTURES, LLC
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PH: (615) 789-9400
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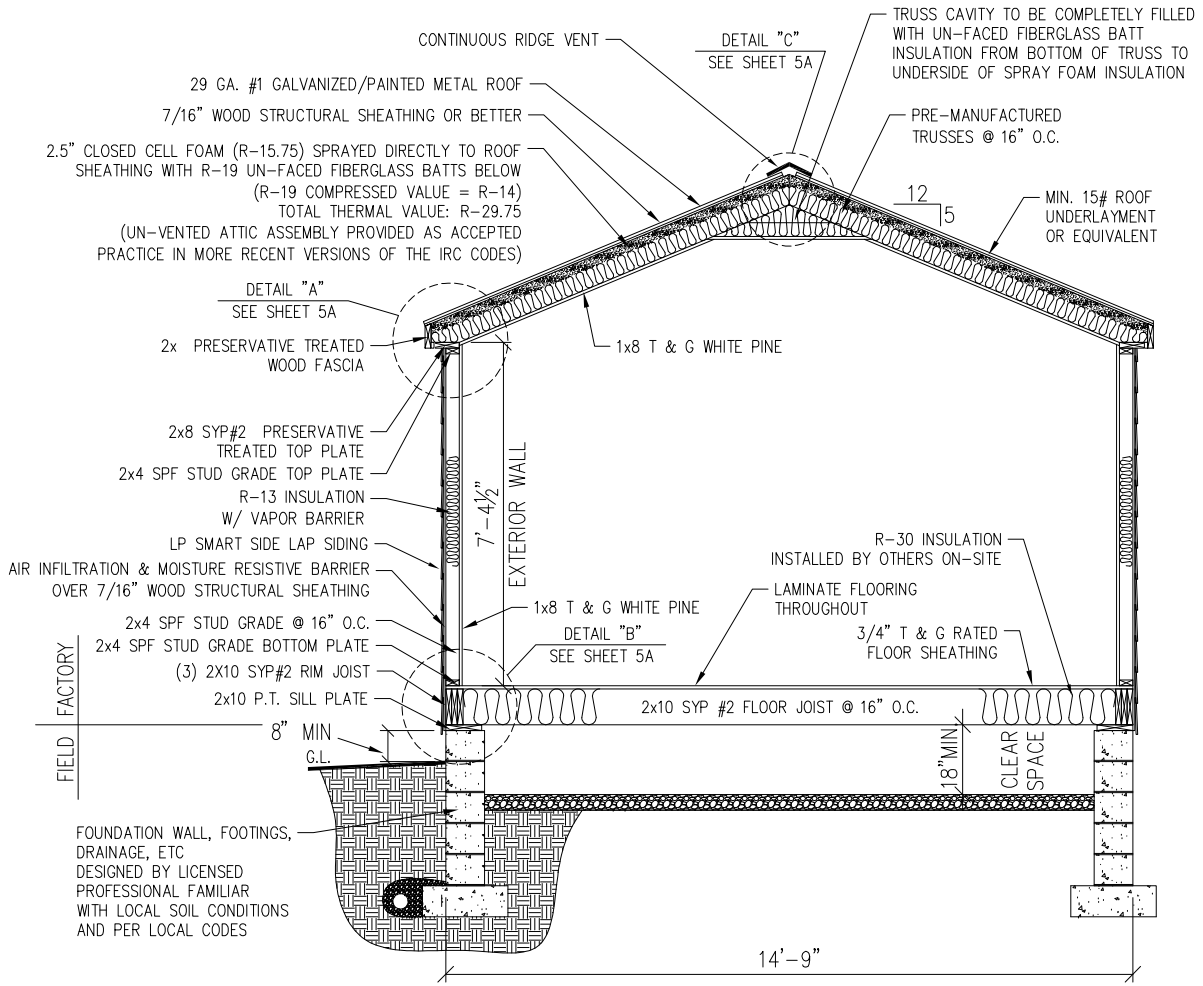
REV#	DATE	REVISIONS	BY:	DRAWN BY: GLENCO	DATE: 03/19/2021	SCALE: 1/4"=1'-0"	CHECKED BY:

CUSTOMER/PROJECT: HTS-COUNTRY CABIN 14.75 x 36 (LOT MODEL) 1251 NOLAN ROAD, CUMBERLAND FURNACE, TN 37051

BUILDER: HILLTOP STRUCTURES, LLC, DBA CEDAR CREEK BUILDERS 1570 HOPKINSVILLE ROAD, HOPKINSVILLE, KY 42240

FILE: HTS-COUNTRY CABIN
SQ.FT.: 443
STATE: TN
TYPE: RANCH
MODEL: COUNTRY CABIN
DRAWING: 1ST STORY FLOOR PLAN
SHEET: 2



NOTES:

1. ALL EXPOSED LUMBER TO BE OF NATURALLY DURABLE WOOD OR WOOD THAT IS PRESERVATIVE-TREATED IN ACCORDANCE WITH AWPA U1. PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AWPA U1.
2. ALL LUMBER THAT IS IN CONTACT WITH CONCRETE OR THE GROUND MUST BE APPROVED PRESSURE-PRESERVATIVE-TREATED WOOD SUITABLE FOR GROUND CONTACT USE.
3. ALL SUPPORT COLUMNS SHALL BE APPROVED WOOD OF NATURAL DECAY RESISTANCE OR APPROVED PRESSURE-PRESERVATIVE-TREATED WOOD.
4. ALL FIELD CUT ENDS, NOTCHES, DRILLED HOLES OF PRESERVATIVE-TREATED WOOD SHALL BE TREATED IN THE FIELD IN ACCORDANCE WITH AWPA M4.
5. ALL NAILS USED IN THE CONSTRUCTION OF PORCHES AND DECKS SHALL BE THREADED AND MEET THE REQUIREMENTS OF ASTM F 1667. THREADED NAILS AS STATED IN THIS DOCUMENT INCLUDE HELICAL (SPIRAL) AND ANNULAR (RINK SHANK) NAILS. WOOD SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME B18.6.1. BOLTS AND LAG SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME B18.2.1.
6. FLASHING SHALL BE CORROSION-RESISTANT METAL OF A MINIMUM NOMINAL THICKNESS OF 0.019 INCHES OR AN APPROVED NON-METALLIC MATERIAL.
   6.1. ALUMINUM SHOULD NOT BE USED IN DIRECT CONTACT WITH LUMBER TREATED WITH PRESERVATIVES THAT CONTAIN COPPER SUCH AS ACQ, COPPER AZOLE, OR ACZA.
7. ALL SCREWS, BOLTS, NAILS, NUTS AND WASHERS FOR USE WITH PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER. FASTENERS SHALL BE HOT DIPPED GALVANIZED AND SHALL MEET THE REQUIREMENTS OF ASTM A 153, CLASS D FOR FASTENERS 3/8" DIAMETER AND SMALLER, OR CLASS C FOR FASTENERS WITH DIAMETERS OVER 3/8".
8. FASTENERS OTHER THAN NAILS AND TIMBER RIVETS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B 695, CLASS 55, MINIMUM.
9. ALL HARDWARE (JOIST HANGERS, CAST-IN-PLACE POST ANCHORS, ETC.) THAT IS EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, CONCRETE OR PRESSURE TREATED LUMBER SHALL BE GALVANIZED OR SHALL BE STAINLESS STEEL. HARDWARE TO BE HOT DIPPED GALVANIZED PRIOR TO FABRICATION SHALL MEET ASTM A 653, G-185 COATING. HARDWARE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION SHALL MEET ASTM A123.
10. FASTENERS AND CONNECTORS EXPOSED TO SALT WATER OR LOCATED WITHIN 300 FEET OF A SALT WATER SHORELINE SHALL BE STAINLESS STEEL GRADE 304 OR 316.
11. ALL OTHER COATED OR NON-FERROUS FASTENERS OR HARDWARE SHALL BE AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
12. HOT-DIPPED ZINC-COATED GALVANIZED STEEL CONNECTORS ARE REQUIRED AT ANY CONNECTIONS INTO CONCRETE.
13. FASTENERS AND CONNECTORS INSTALLED IN TREATED LUMBER OTHER THAN MATERIAL WITH A CHEMICAL RETENTION GREATER THAN AWPA OR UC4A SHALL BE STAINLESS STEEL GRADE 304 OR 316.

PFS APPROVED
DATE 4/2/21
PFS CORPORATION
Cottage Grove, WI

DAVID E. BILLINGSLEY REGISTERED ENGINEER AGRICULTURE COMMERCE No. 113968 STATE OF TENNESSEE

03/30/2021

TN SUBMITTAL NUMBER: HTSCCB-018

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HOPKINSVILLE, KY 42240

FILE:	HTS-COUNTRY CABIN
SQ.FT.:	443
STATE:	TN
TYPE:	RANCH
MODEL:	COUNTRY CABIN
DRAWING:	CROSS SECTIONS
SHEET:	5