

140GS

(**) 2x4 SO. PINE #3 GABLE STUDS. ATTACH TO TOP CHORD, DIAGONAL WEBS, AND BOTTOM CHORD WITH \oplus ALPINE WAVE PLATES. ALL (**) GABLE STUDS REQUIRE REINFORCING MEMBERS. REINFORCING MEMBERS MUST BE TOENAILED TO GABLE STUD WITH 0.131"x3" GUN NAILS AT 4" O.C. PLUS A CLUSTER OF (4) 0.131"x3" TOENAILS AT THE TOP AND BOTTOM CHORD. SEE DETAIL FOR NAILING. SEE CHART FOR STUD BRACING AND SPACING OF VERTICALS.

NOTE: TRUSS ERECTOR IS RESPONSIBLE FOR PERMANENT WEB BRACING. WHEN BRACING IS REQUIRED, FURNISH A COPY OF THIS DRAWING TO TRUSS ERECTOR.

\oplus FOR VERTICAL STUDS LESS THAN 4' 0": W1.5x4
 FOR VERTICAL STUDS GREATER THAN 4' 0" BUT NO MORE THAN 11' 6": W3.5x4

+ PLATE IS REQUIRED AS SHOWN ON APPROPRIATE DRAWING.

NOTE: GABLE HAS BEEN DESIGNED TO TRANSFER ALL HORIZONTAL WIND LOAD INTO THE FLOOR & ROOF SHEATHING DIAPHRAGMS. CONNECTIONS & DESIGN OF THESE SYSTEMS ARE THE RESPONSIBILITY OF THE BUILDING DESIGNER.

NOTE: NAIL STEPS OF LADDER TRUSS ONTO THE OUTSIDE PIECES WITH 2-16d COMMON (0.162"x3.5") NAILS AT EACH END.

NOTE: ATTACH LADDER TRUSS TO TOP CHORD OF GABLE TRUSS WITH TWO ROWS OF 16d COMMON (0.162"x3.5") NAILS @8" O.C. STAGGERED 4".

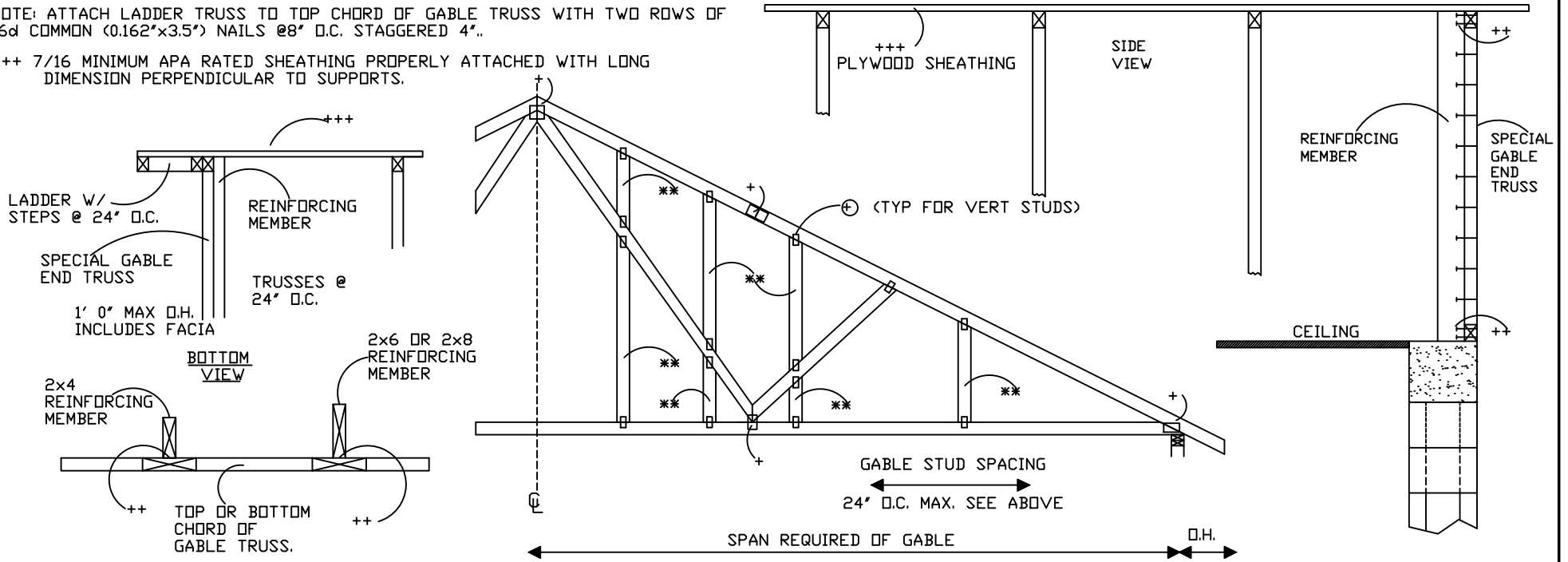
+++ 7/16 MINIMUM APA RATED SHEATHING PROPERLY ATTACHED WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS.

140 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02, PART. ENCLOSED BLDG, CAT II, EXP. C, $K_z t = 1.00$
 140 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-05, PART. ENCLOSED BLDG, CAT II, EXP. C, $K_z t = 1.00$

SEE APPROPRIATE ITW DRAWING FOR LUMBER, PLATES AND OTHER DATA NOT SHOWN HERE.

REINFORCING MEMBER REQUIRED	SPACING	MAX. LENGTH
2x4 SO. PINE #3	24" O.C.	2' - 1"
2x4 SO. PINE #3	16" O.C.	2' - 10"
2x4 SO. PINE #3	12" O.C.	3' - 5"
2x6 SO. PINE #2N	24" O.C.	5' - 0"
2x6 SO. PINE #2N	16" O.C.	6' - 2"
2x6 SO. PINE #2N	12" O.C.	7' - 1"
2x8 SO. PINE #2N	24" O.C.	7' - 6"
2x8 SO. PINE #2N	16" O.C.	9' - 1"
2x8 SO. PINE #2N	12" O.C.	10' - 4"

++ (4) - 0.131"x3" TOENAILS TO TOP & BOTTOM CHORDS.



WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING. IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:
 ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

REF	140 GS
DATE	10/01/14
DRWG	A140GS021014
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"

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