Conventional Framing For Sheathing Attachment In Hip Plane

Use this detail for ASCE 7-10 & ASCE 7-16, 150 mph wind, 15' mean hgt, Min. Wind TCDL = 4.2 psf, Exp C for Enclosed Bldg or Exp B for Part. Enc. Bldg, Wind Dur. Fac. = 1.60 or 1.33.

* 2x4 SPF or equal PT stick lumber layed flatwise at 24" o.c. (max) and fastened to each (A) truss top chord at every intersecting point shown on the hip truss system below with (2)-16d Common (0.162"x3.5") nails or (2)-10d Gun (0.128"x3") nails applied perpendicular to the framing members. Stick framing must be attached to the top chord of the carrier truss.

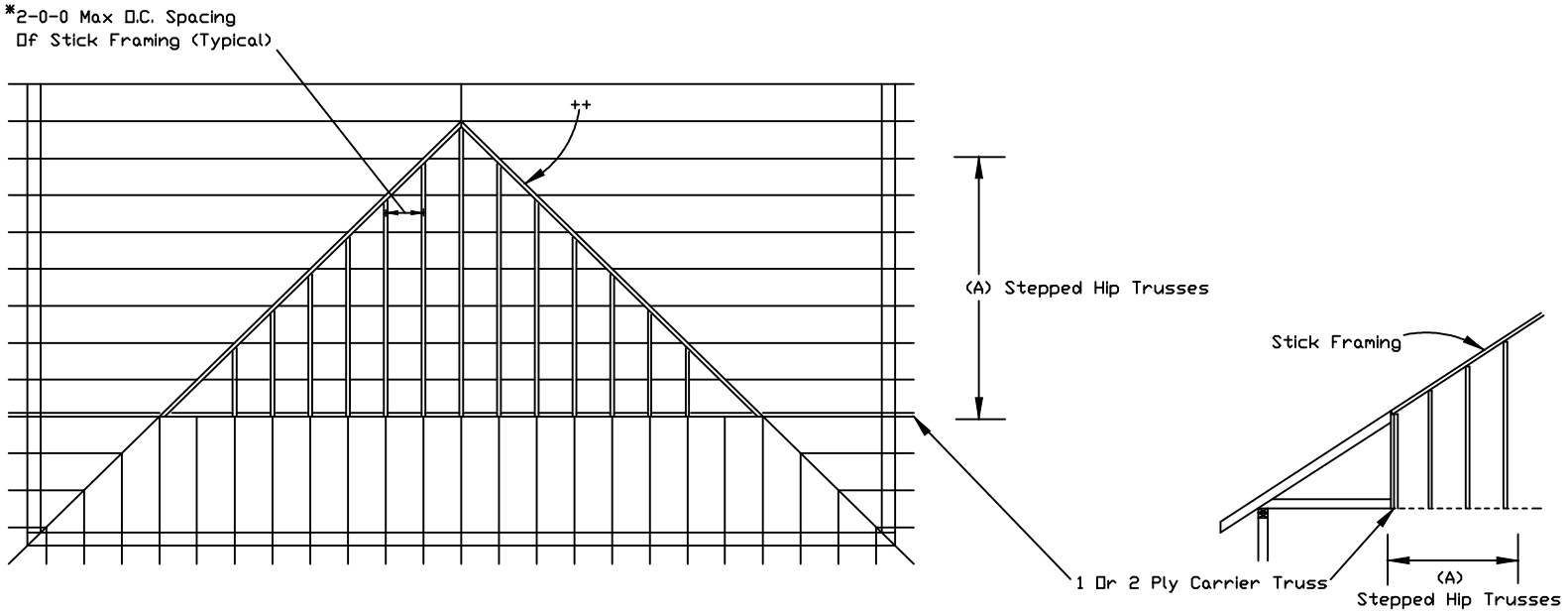
++2x4 SPF or equal PT stick lumber layed flatwise at and fastened to each (A) truss top chord at every intersecting point shown on the hip truss system below with (2)-16d Common (0.162"x3.5") nails or (2)-10d Gun (0.128"x3") nails applied perpendicular to the framing members. Stick framing must be attached to the top chord of the carrier truss.

No connection is required between stick framing pieces that intersect. Stick framing may cantilever 24" max horizontally. No cats are required in this section only (++).

Stick framing splicing is allowed between trusses or at truss intersections. Splicing to be staggered between stepped hip trusses. No cats required under stick framing splicing. Minimum length of stick framing to be 5'0" on a horizontal projection.

Sheathing attachment to stick framing shall be specified by the Building Designer based on SPF lumber values for the framing.

Note: Refer to Engineer's sealed truss design drawings for supporting hip truss designs (A). Flat top chords of supporting trusses must be So. Pine lumber.



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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.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF CONV. HIP FRAME
DATE 01/30/2018
DRWG HIPFRCNV0118