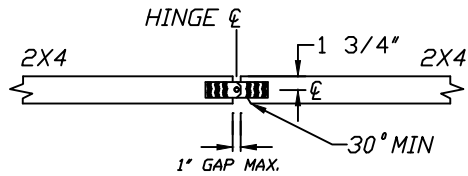


# TYPE I

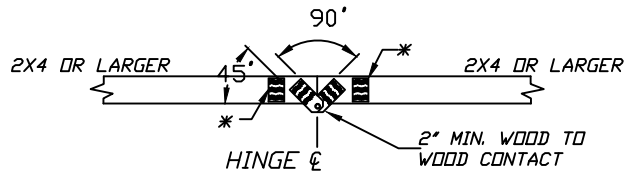


NOTE: IF A "NO GAP" IS REQUIRED THEN A MIN. OF 2" WOOD TO WOOD CONTACT IS REQUIRED

TENSION = 832 LBS  
 COMPRESSION = 1147 LBS  
 SHEAR = 569 LBS

# TYPE II

\* SHEAR PLATE REQUIRED WHEN MEMBER SIZE IS 2X8 OR LARGER SEE SHEAR PLATE DETAIL FOR SPECIFICATIONS

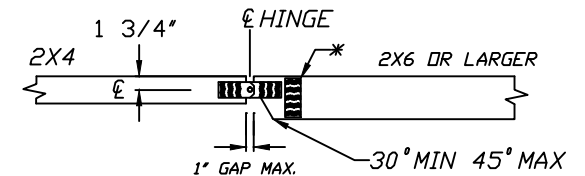


NOTE: THE DISTANCE OF HINGE GROMMET FROM THE EDGE OF MEMBER MUST NOT EXCEED 1/4"

TENSION = 832 LBS  
 COMPRESSION = LUMBER DEPENDENT  
 SHEAR = 569 LBS

# TYPE III

\* SHEAR PLATE REQUIRED WHEN HINGE PLATE DOESN'T TOUCH THE CENTER LINE OF EITHER MEMBER. SEE SHEAR PLATE DETAIL FOR SPECIFICATIONS

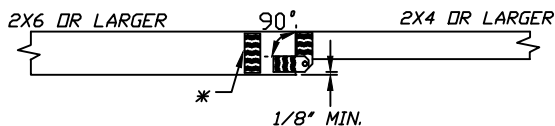


NOTE: IF A "NO GAP" IS REQUIRED THEN A MIN. OF 2" WOOD TO WOOD CONTACT IS REQUIRED

TENSION = 832 LBS  
 COMPRESSION = 1147 LBS  
 SHEAR = 569 LBS

# TYPE IV

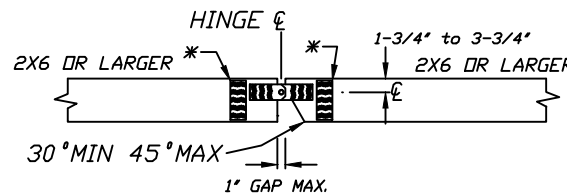
\* SHEAR PLATE REQUIRED WHEN HINGE PLATE DOESN'T TOUCH THE CENTER LINE OF EITHER MEMBER. SEE SHEAR PLATE DETAIL FOR SPECIFICATIONS



TENSION = 569 LBS  
 COMPRESSION = LUMBER DEPENDENT  
 SHEAR = 569 LBS

# TYPE V

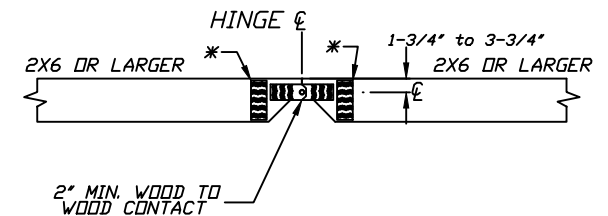
\* SHEAR PLATE REQUIRED WHEN HINGE PLATE DOESN'T TOUCH THE CENTER LINE OF EITHER MEMBER. SEE SHEAR PLATE DETAIL FOR SPECIFICATIONS



TENSION = 832 LBS  
 COMPRESSION = 1147 LBS  
 SHEAR = 569 LBS

# TYPE VI

\* SHEAR PLATE REQUIRED WHEN HINGE PLATE DOESN'T TOUCH THE CENTER LINE OF EITHER MEMBER. SEE SHEAR PLATE DETAIL FOR SPECIFICATIONS



TENSION = 832 LBS  
 COMPRESSION = LUMBER DEPENDENT  
 SHEAR = 569 LBS

Values listed are per pair of hinge plates.

**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](http://www.alpineitw.com); TPI: [www.tpinst.org](http://www.tpinst.org); SBCA: [www.sbcindustry.org](http://www.sbcindustry.org); ICC: [www.iccsafe.org](http://www.iccsafe.org)



514 Earth City Expressway  
 Suite 242  
 Earth City, MO 63045

TC LL	PSF	REF	HINGE PLATE
TC DL	PSF	DATE	10/01/14
BC DL	PSF	DRWG	HINGPL161014
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			