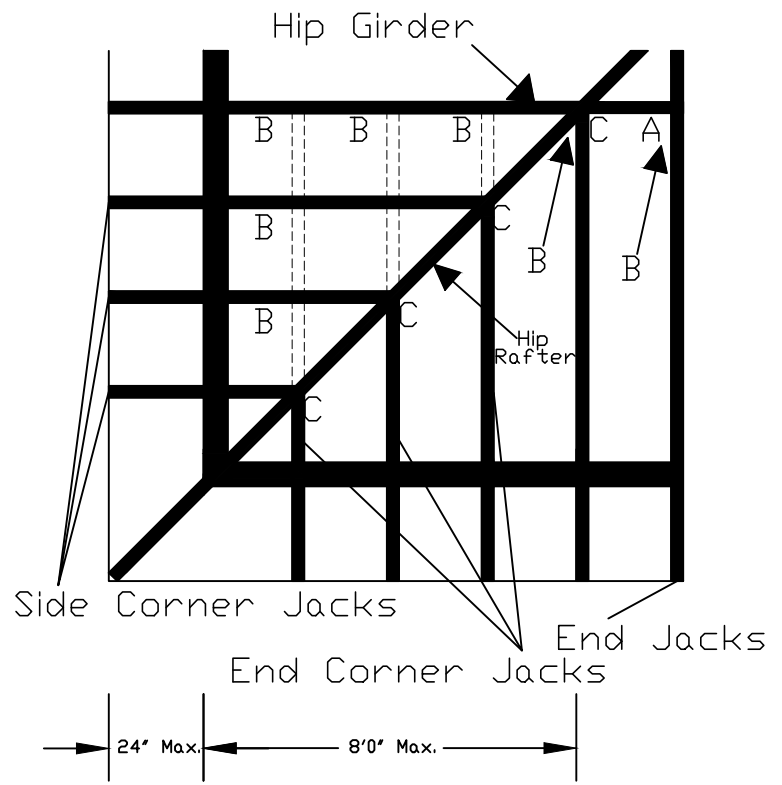
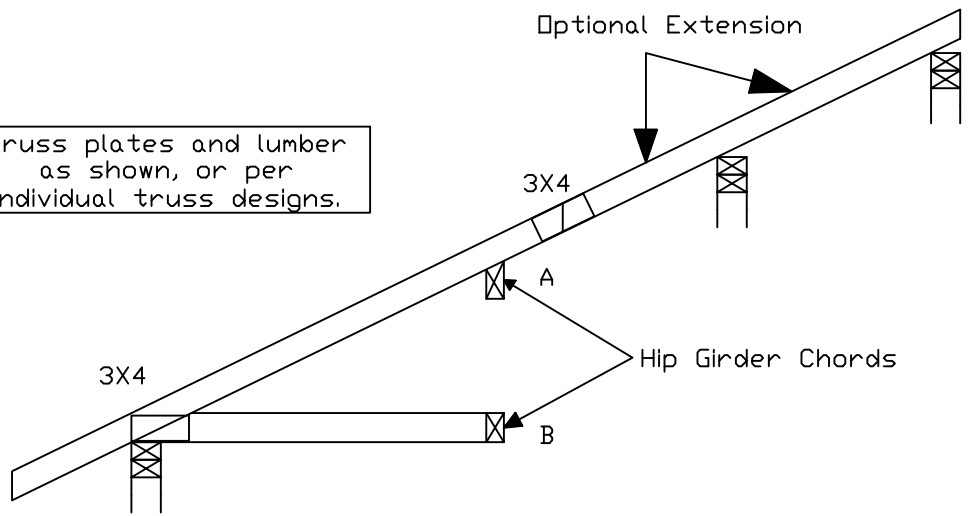


# END JACK/RAFTER STANDARD DETAIL (CALIFORNIA STYLE)

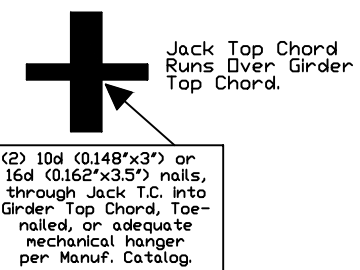
**Lumber Requirements:**  
 Jack Top Chord: 2x4; #2 or Better DF-L Green, #1/#2 or Better Can S-P-F, #2 or Better Hem-Fir, or 1650f MSR Any Species  
 Jack Bottom Chord: 2x4; #2 or Better Any Species, or 1650f MSR Any Species

Top Chord length may vary from 6' minimum to 8'-0" maximum, with extensions supported at 48" o.c. maximum beyond, Hip Girder.  
 Top Chord may be spliced as shown, above the Hip Girder only.  
 Bottom Chord length may vary from 6' minimum to 8'-0" maximum.  
 Do not splice the bottom chord.  
 Top Chord pitch may vary from 4:12 minimum to 8:12 maximum.  
 Bottom Chord pitch must be flat (0:12).  
 Special design required for trusses with overhang longer than span length.  
 This detail applies to 45 degree hipset only.

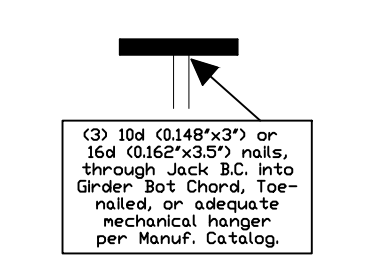
Truss plates and lumber as shown, or per individual truss designs.



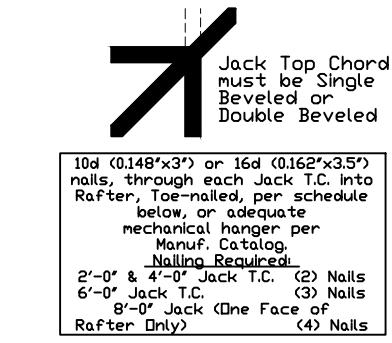
**Connection Detail "A"**  
(Top Chord to Hip Girder)



**Connection Detail "B"**  
(Bot Chord to Hip Girder)



**Connection Detail "C"**  
(Top Chord to Rafter)



Design for 10 psf non-concurrent bottom chord live load. Wind loaded for 115 mph, (ASCE 7-10) Exposure "C", Kzt=1.00 max. No point loads, mechanical units, hvac, sprinklers, or other items causing additional loads on the standard jacks is allowed, without special design.

**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 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.tpinet.org](http://www.tpinet.org); SBCA: [www.sbcindustry.org](http://www.sbcindustry.org); ICC: [www.iccsafe.org](http://www.iccsafe.org)



13389 Lakefront Drive  
 Earth City, MO 63045

TC LL	20.00	PSF	REF	END JACK
TC DL	14.00	PSF	DATE	10/01/14
BC DL	0.00	PSF	DRWG	EJRAFTER1014
BC LL	10.00	PSF		
TOT. LD.	44.00	PSF		
DUR. FAC.	1.25			
SPACING	2-0-0			