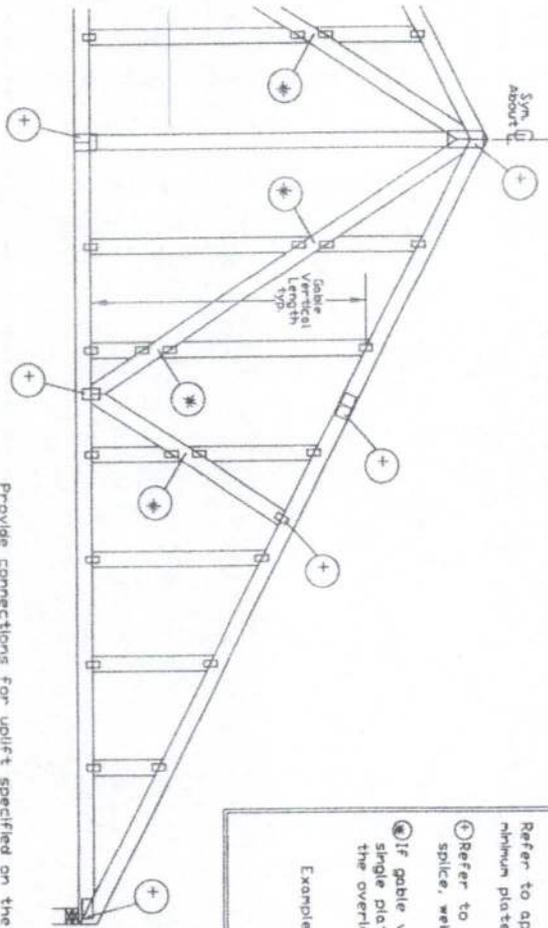
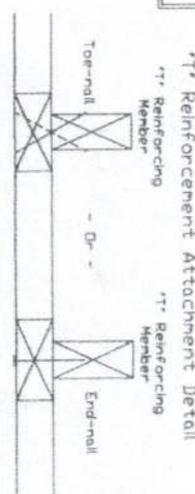
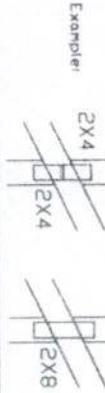


Gable Detail For Let-in Verticals



Gable Truss Plate Sizes

- Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.
- Refer to Engineered truss design for peak, splice, web, and heel plates.
- If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length (based on appropriate Alpine gable detail).

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord. 'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

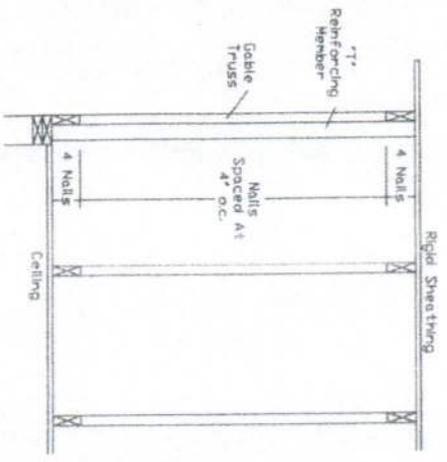
'T' Reinf. Mem. Size	'T' Increase
2x4	30 %
2x6	20 %

Example:
 ASCE 7-10 Wind Speed = 120 mph
 Mean Roof Height = 30 ft, Kzt = 1.00
 Gable Vertical = 24' o.c. SP #3
 'T' Reinforcing Member Size = 2x4
 'T' Brace Increase (from Above) = 30% = 1.30
 Maximum 'T' Reinforced Gable Vertical Length
 1.30 x 8' 7" = 11' 2"

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings
 A13015051014, A12015051014, A1015051014, A14015051014,
 A13030051014, A12030051014, A1030051014, A14030051014
 ASCE 7-10 Gable Detail Drawings
 A11515051014, A12015051014, A14015051014, A16015051014,
 A18015051014, A20015051014, A22015051014, A24015051014,
 A11530051014, A12030051014, A14030051014, A16030051014,
 A18030051014, A20030051014, A22030051014

See appropriate Alpine gable detail for maximum unreinforced gable vertical length.



13388 Lakeland Drive
 Easton, MO 63045

DESIGNER'S RESPONSIBILITY: THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE SELECTION OF THE MATERIALS AND METHODS OF CONSTRUCTION. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE SELECTION OF THE MATERIALS AND METHODS OF CONSTRUCTION.

TRANSFER OF RESPONSIBILITY: THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE SELECTION OF THE MATERIALS AND METHODS OF CONSTRUCTION. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE SELECTION OF THE MATERIALS AND METHODS OF CONSTRUCTION.

ALPINE AN/TW COMPANY
 13388 Lakeland Drive
 Easton, MO 63045
 WWW.ALPHINEAN.COM



REF: LET-IN VERT
 DATE: 10/01/14
 DRWG: GBLETTIN1014

MAX. TOT. LD. 60 PSF
 DUR. FAC. ANY
 MAX. SPACING 24.0"

SCAB 2X4 OVERHANG DETAIL

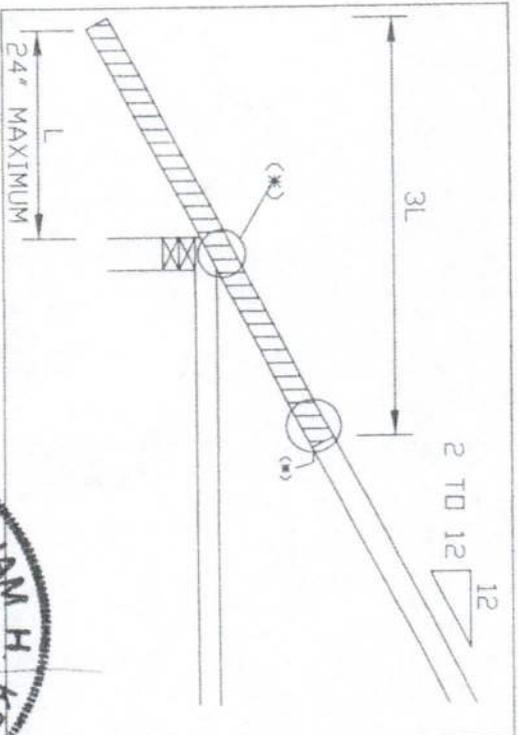
ASCE 7-05 120 mph wind, CAT II, EXP C,
 30.00 ft mean hgt, located anywhere in roof,
 wind TC DL=4.2 psf, wind BC DL=6.0 psf, Kzt = 1.00.

ASCE 7-10 160 mph wind, EXP C, Dr- 140 mph wind, EXP D,
 30.00 ft mean hgt, located anywhere in roof,
 wind TC DL=4.2 psf, wind BC DL=6.0 psf, Kzt = 1.00.

Minimum 2X4 scab, same grade and species as top chord designated on Engineer's sealed design and three times the overhang length. Attach overhang scab to one face of top chord with 10d box (0.128"x3.0", min) nails at 8' o.c. plus clusters of four nails where shown in figure below (*).

NOTE: #2 is the minimum lumber grade allowed for all species.

NOTE: Add 210# uplift (max.) to reported truss uplift for wall connections.



INSTALLATION INSTRUCTIONS FOR THE SCABING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in erecting, handling, shipping, handling and bracing. Refer to and follow the manufacturer's instructions for proper erection, bracing, and handling. Trusses shall be erected and braced prior to performing these functions. Installers shall provide temporary bracing per SCSS 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 web of truss and position as shown above and on the adjacent details, unless noted otherwise. Refer to drawings listed for standard plate.

Alpine, a division of JTV Building Components, Inc. shall not be responsible for any deviation from the above instructions. The truss in conformance with ANSI/TPI-1, or for handling, shipping, installation, bracing of trusses. A seal on the drawing or cover page listing the design engineer, acceptance of professional engineering responsibility solely for the design shown. The stability and use of the design for any structure is the responsibility of the building designer per ANSI/TPI-1, section 4.1.1. For more information see the job's general notes page and the seal site.

ALPINE WEBSITE: www.alpine.com TPI WEBSITE: www.tpi.com ISO WEBSITE: www.iso.org



13360 Larkspur Drive
 Earth City, MO 63045



TOP CHORD
 TD
 EXCEED 40 PSF
 DEAD PLUS LIVE)

REF: EX4 SCAB D.H.
 DATE: 10/01/14
 DRWG: DHSCB2X41014

DUR. FAC. 1.15/1.25
 SPACING 24"

Cracked or Broken Member Repair Detail

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

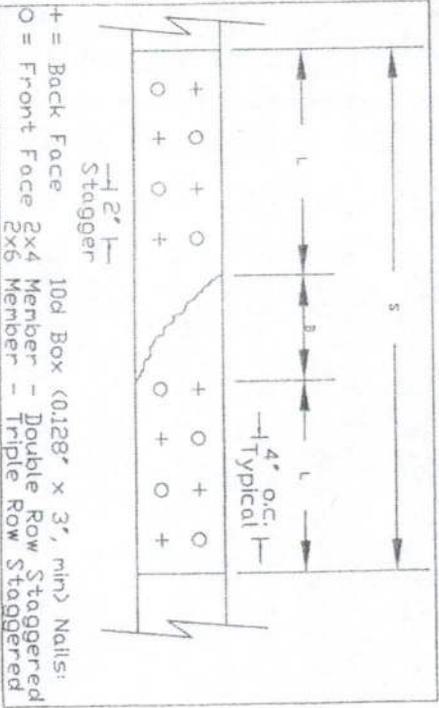
(B) = Damaged area, 12' max length of damaged section
 (L) = Minimum nailing distance on each side of damaged area (B)
 (S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face.
 Minimum side member length(s) = (2)(L) + (B)

Scab member length (S) must be within the broken panel.
 Nail into 2x4 members using two (2) rows at 4' o.c., rows staggered.
 Nail into 2x6 members using three (3) rows at 4' o.c., rows staggered.
 Nail using 10d box or gun nails (0.128"x3", min) into each side member.
 The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1550f.

This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

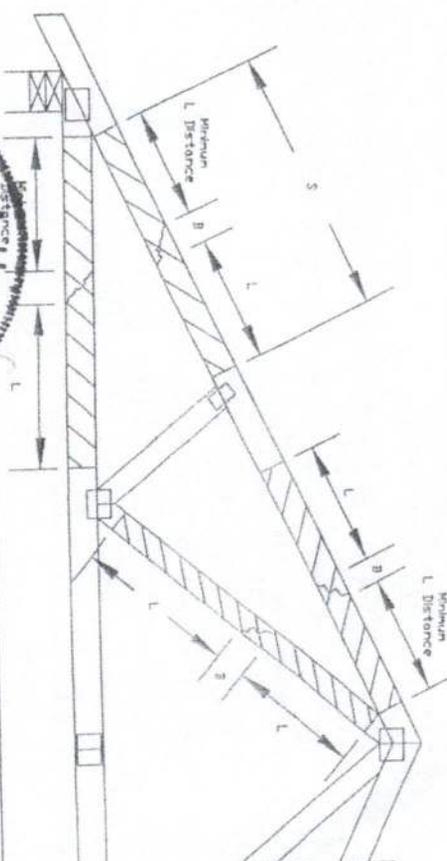
Broken chord may not support any tie-in loads.



Nail Spacing Detail

Load Duration = 0%
 Member Durations may be increased for Duration of Load

Member	Size	L	Maximum Member Axial Force			
			SPF-C	HF	DF-L	SYF
Web Only	2x4	12'	620#	635#	730#	800#
Web Only	2x4	18'	975#	1055#	1295#	1415#
Web or Chord	2x4	24'	975#	1055#	1495#	1745#
Web or Chord	2x6		1465#	1585#	2245#	2620#
Web or Chord	2x4	30'	1910#	1960#	2315#	2555#
Web or Chord	2x6		2230#	2365#	3125#	3575#
Web or Chord	2x4	36'	2470#	2530#	2930#	3210#
Web or Chord	2x6		3535#	3635#	4295#	4745#
Web or Chord	2x4	42'	2975#	3045#	3505#	3835#
Web or Chord	2x6		4395#	4500#	5225#	5725#
Web or Chord	2x4	48'	3460#	3540#	4070#	4445#
Web or Chord	2x6		5165#	5280#	6095#	6660#



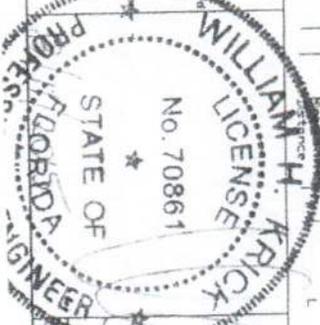
MEMBER REPAIR

REF	MEMBER REPAIR
DATE	10/01/14
DRWG	REPCHRD1014

MANUFACTURER BEAR AND TELL/ ALL NOTES ON THIS DRAWING SHALL BE OBSERVED. TO ALL CONTRACTORS INCLUDING THE INSTALLER.

INSTALLER SHALL TAKE CARE IN FABRICATING, HANDLING, STORING, INSTALLING AND BRACING. REFER TO AND FOLLOW THE LATEST EDITION OF ECSS Guiding Component Safety Information, by TPI and SCSA for safety practices prior to performing these functions. Installers shall provide temporary bracing per ECSS. Labels noted otherwise, top chord shall have properly attached structural bracing and bottom chord shall have properly attached rigid ceiling. Locations shown are approximate. Apply plates to each face of the member above and on the joint details, unless noted otherwise. Refer to drawings 16A-2 for standard plate positions.

Alpine, a division of ITV 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 or covering. The design, integrity and use of the drawing 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: www.alpine.com, www.itv.com, www.bldgcomp.com, www.tpi.com, www.scsa.com, www.ecss.com



13395 Labeletron Drive
 Earth City, MO 63045

SPACING 24.0' MAX

