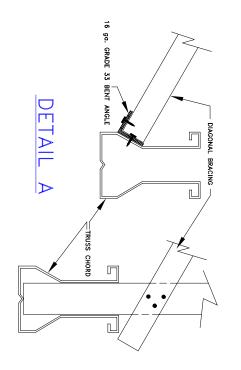
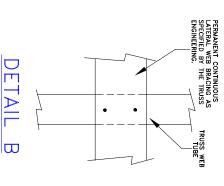
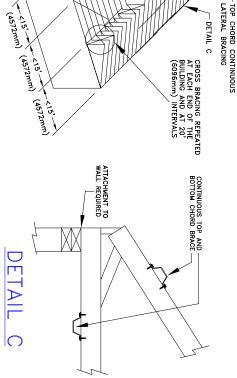
TRUSS BRACING CONNECTION DETAIL



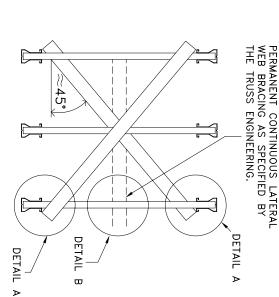


GENERAL NOTES:

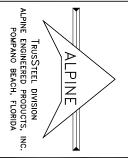
- 1. TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING INSTALLING AND BRACING. REFER TO THE "FIELD INSTALLATION GUIDE FOR COLD-FORMED STEEL ROOF TRUSSESS" PUBLISHED BY LGSEA (LIGHT GAUGE STEEL ENGINEERS ASSOCIATION, 1726 M ST. NW, SUITE 601, WASHINGTON, DC 20036) FOR GENERAL GUIDANCE IN SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. ALSO, REFER TO THE "DESIGN GUIDE FOR CONSTRUCTION BRACING OF COLD-FORMED STEEL TRUSSESS" TECHNICAL NOTE 551d, PUBLISHED BY LGSEA FOR ADDITIONAL GUIDANCE IN THE DESIGN OF THE BRACING SYSTEM.
- THIS DRAWING IS A SUGGESTED GUIDE AND SHOULD BE CONSIDERED AS THE MINIMUM REQUIREMENTS AND IS LIMITED TO TRUSSES SPACED UP TO 48 INCHES (1219mm) ON CENTER WITH AN OVERALL LENGTH UP TO 60 FEET (18288mm) MAXIMUM. A PROFESSIONAL ENGINEER SHOULD BE CONSULTED FOR TRUSS SYSTEMS IN EXCESS OF THESE LIMITS.
- 3. BRACING AND CONNECTIONS ARE TO BE DESIGNED BY A PROFESSIONAL ENGINEER. ALPINE RECOMMENDS THE DIAGONAL BRACING, TOP AND BOTTOM CHORD CONTINUOUS LATERAL BRACING AND WEB CONTINUOUS LATERAL BRACING TO BE A MINIMUM OF 150F125—33 FURRING CHANNEL OR 362S162—33 STUD MATERIAL WITH A MINIMUM OF 3—#10 SHEET METAL SCREWS AT ALL CONNECTIONS.
- 4. WARNING, DO NOT STAND ON BRACING OR USE IT IN ANY WAY TO SUPPORT YOURSELF DURING CONSTRUCTION OR ANY OTHER TIME.
- 5. INTENDED FOR USE WITH ALPINE TRUSSTEEL TRUSSES ONLY.



DETAIL C



NOTE: SEE TRUSSTEEL DETAIL TS017.

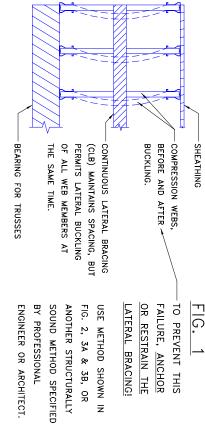


WARNING trusses require extreme care in fabricating, handling, shipping installing and bracing. Unless otherwise indicated, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid

BRACING DEPICTED ON THIS DESIGN IS ONLY FOR LATERAL SUPPORT OF TRUSS MEMBERS TO REDUCE BUCKLING LENGTHS. ALL DESIGN, ATTACHMENT AND INSTALLATION OF TEMPORARY AND PERMANENT BRACING, TO RESIST LATERAL FORCES AND HOLD TRUSSES PLUMB, SHALL BE THE RESPONSIBILITY OF OTHERS. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN OR HANDLING, SHIPPING, INSTALLING, AND BRACING OF TRUSCHES THE OFFICE OF T **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TRUSSES. AN ENGINEER'S SEAL ON THIS DRAWING APPLIES ONLY TO DESIGN OF THE TRUSS DEPICTED HERE AND SHALL NOT BE RELIED UPON IN ANY OTHER WAY.

- FNG	DRWG	DATE	TRUSSTEEL
	TS015	09/02/02	TEEL DETAIL

\overline{S} A DANGEROUS CONDITION



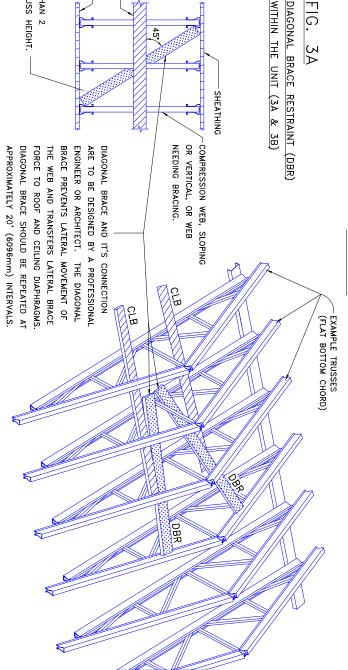
RESTRAL

NOTE: SHEET METAL SCREWS. NOTE: OR EQUALS. CLB IS TO BE 150F125-33 OR 362S162-33 TRUSS SPACING IS 2'0" (610mm) O.C. MAXIMUM ATTACH TO EACH WEB WITH (2)#10 SELF DRILLING SEE DRAWING TS019 FOR OTHER DETAILS

ANCHORAGE OR RESTRAINT OF LATERAL BRACING

BRACING (CLB - \) NEEDED IN TRUSSES (DRAWING SHOWS EXAMPLE THE CLB OR THE WEB OPPOSITE THE CLB. TOP & BOTTOM CHORDS. THE DIAGONAL BRACE MAY BE ATTACHED TO DESIGNED BY A PROFESSIONAL ENGINEER. THE ENDS ARE ATTACHED TO TRUSSES WITH FLAT BOTTOM CHORDS). THE DIAGONAL BRACE THE DRAWING BELOW SHOWS HOW TO RESTRAIN THE CONTINUOUS LATERAL

FIG.



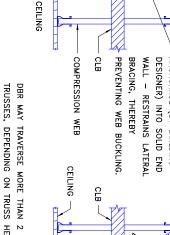


WITHIN THE UNIT (3A & 3B)

SHEATHING

3A

SHEATHING PREVENTING WEB BUCKLING BRACING, THEREBY WALL - RESTRAINS LATERAL DESIGNER) INTO SOLID END ANCHORAGE (BY BUILDING



TRUSSES, DEPENDING ON TRUSS HEIGHT.

ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA TRUSSTEEL DIVISION ALPINE

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING INSTALLING AND BRACING. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

RESPONSIBILITY OF OTHERS, ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN OR HANDLING, SHIPPING, INSTALLING, AND BRACING OF TRUSSES. AN ENGINEER'S SEAL ON THIS DRAWING APPLIES ONLY TO DESIGN OF THE TRUSS DEPICTED HERE AND SHALL NOT BE RELIED UPON IN ANY OTHER WAY. BRACING DEPICTED ON THIS DESIGN IS ONLY FOR LATERAL SUPPORT OF TRUSS MEMBERS TO REDUCE BUCKLING LENGTHS. ALL DESIGN, ATTACHMENT AND INSTALLATION OF TEMPORARY AND PERMANENT BRACING, TO RESIST LATERAL FORCES AND HOLD TRUSSES PLUMB, SHALL BE THE **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

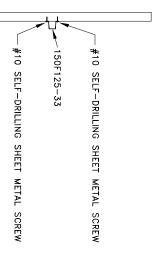
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DATE DRWG

09/02/02 TS017

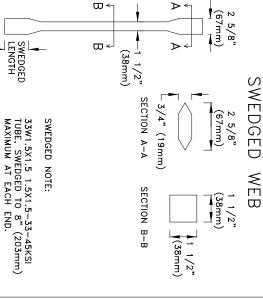
TrusSteel detail

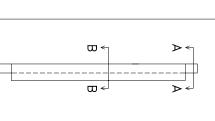
CONTINUOUS LATERAL BRACE



CONTINUOUS LATERAL BRACE NOTE:

150F125-33 CONTINUOUS LATERAL BRACING
TO BE EQUALLY SPACED. ATTACH WITH
(2) #10 SELF-TAPPING SHEET METAL SCREWS.
SEE DRAWING TS015 FOR OTHER DETAILS NOT

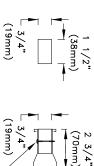


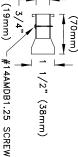


SECTION A-A

SECTION B-B

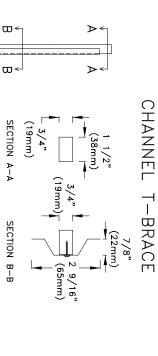
CHORD SCAB





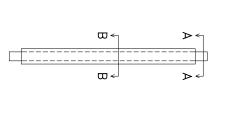
CHORD SCAB NOTE:

28TSC2.75 1.5X2.75-28-55KSI SCAB, ENDING WITHIN 2" (51mm) FROM EACH CHORD. ATTACH TO THE 33W.75X1.5.75X1.5-33-45KSI TUBE WITH #14AMDB1.25 SCREWS THROUGH THE 1.5" (38mm) FACE, 1" (25mm) FROM EACH END AND 24" (610mm) O.C. OR LESS BETWEEN END SCREWS.

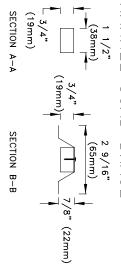


CHANNEL T-BRACE NOTE:

087F125—33 SCAB, ENDING WITHIN 2" (51mm) FROM EACH CHORD. ATTACH TO THE 33W.75X1.5.75X1.5-33—45KS! TUBE WITH #10 SELF-DRILLING SHEET METAL SCREWS THROUGH THE .75" (19mm) FACE, 1" (25mm) FROM EACH END AND 24" (610mm) O.C. OR LESS BETWEEN END SCREWS.

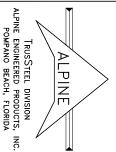


CHANNEL SCAB BRACE



CHANNEL SCAB NOTE:

087F125-33 SCAB, ENDING WITHIN 2" (51mm)
FROM EACH CHORD, ATTACH TO THE
33W.75X1.5 .75X1.5-33-45KSI TUBE WITH
34N.75X1.5 .75X1.5-33-45KSI TUBE WITH
HO SELF-DRILLING SHEET METAL SCREWS
THROUGH THE 1.5" (38mm) FACE, 1" (25mm)
FROM EACH END AND 24" (610mm) O.C. OR LESS BETWEEN END SCREWS.



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-ENG	DRWG TS019	DATE 09/02/02	TrusSteel detail