an ITW Company Alpine,

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 (314) 344-9121 Florida Engineering Certificate of Authorization Number: 0 278 Page 1 of 1 Document ID:1WXJ6704Z0211114511

S1401-Belmont Academy -(Escort Load) ksangl e@yahoo. com Angl e Truss Fabricator: Job Identification: Truss Count: Model Code: Truss Criteria: Engineering Software:

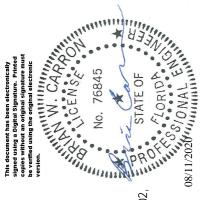
Versi ons 17.02, Florida Building Code AISI S100-2012/FBC2017Com;AISI S100-2012/FBC 2017 COM Alpine proprietary truss analysis software. Versions `

Structural Engineer of Record:

Address:

- N/A - 140 MPH (ASCE 7-10-Closed) 55 PSF FI oor Roof Truss Design Loads:

Wi nd



-Truss Design Engineer-Brian Carron

Maryland Heights, MO 63043 13723 Riverport Dr, Suite 200

Notes:

- Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of KgcgKGwnaSndaftackeindAlSl/CQFS/TRUSS ChaptermBer is preceded by: MOUSR6704
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responsibility for the component details listed on this sheet and contained within this bound document. Other documents which are not attached to this bound document have neither been prepared by me nor under my direct This bound document is no longer valid if any modifications affixed hereto indicates acceptance of professional engineering are made to it. supervi si on. The seal

Details: TS011-TS002A-TS004-TS015-TS019-TS017-TS013-TS014-TS026 Reviewer: cwc Submitted by BWC 11:44:36 08-11-2020

	Date		08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	08/06/20	9	08/09/50
	Drawi ng#	021900	021900	20219049	021901	20219011	20219012	20219013	021901	20219015	021901	21901	21904	20219018	21901	21902	21902	21902	21902	20219024	21902	1902	021902			20219030	021903	20219032	02190	20219034
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#	Ref	Description	Drawi ng#	Date
31	84462VB05	-VB05	20219036	08/06/20
32	84463VB06	-VB06	20219037	08/06/20
33	84464VB07	-VB07	20219038	08/06/20
34	84465K1A	-K1A	20219048	08/06/20
35	84466K1	-K1	20219046	08/06/20
36	84467J1	-11	20219039	08/06/20
37	84468C6	90-	20219040	08/06/20
38	84469-	-C5	20219041	08/06/20
39	84470C4	-C4	20219042	08/06/20
40	84471-	-C3	20219043	08/06/20
41	84472-	-C2	20219044	08/06/20
42	84473-	-C1	20219045	08/06/20



08/06/20

20219035

84461--VB04

Alpine, an ITW Company

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 (314) 344-9121 Page 1 of 1 Document ID:1WXJ6704Z0211114511 n

Truss Fabricator:

Job Identification:

Model Code:

Versi ons 17.02, Angle
S1401-Belmont Academy -(Escort Load) -- , **
Florida Building Code
AISI S100-2012/FBC2017Com; AISI S100-2012/FBC 2017 COM
Alpine proprietary truss analysis software. Versions ?
Roof - N/A Truss Criteria: Engineering Software:

Truss Design Loads:

Roof - N/A Floor - N/A Wind - 140 MPH (ASCE 7-10-Closed)

Notes:

Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of K§CSRGwnaSndaftachedndrawl/JRP! The offrawrhg rumber Spaces processing the structure is the responsibility of the building designer/engineer of F§CSRGwnaSndaftachedndrawl/JRP! The offrawrhg rumber of the structure is the responsibility of the structure in the structure of the structure is the responsibility of the structure in the structure is the structure of the structure in the structure is the structure of the structure in the structure is the structure in the structure in the structure is the structure in the structure in the structure is the structure in the structure in the structure is the structure in the structure in the structure is the structure in the structure in the structure in the structure is the structure in the structure in the structure is the structure in the structure in the structure is the structure in the structure in the structure in the structure is the structure in the structure in the structure in the structure is the structure in the structure

Reviewer: cwc Submitted by BWC 11:44:36 08-11-2020

This document has been electronically signed using a bigital Signature. Printed copies without an original signature must be verified using the original electronic version.

Brian Carron

Trusses

#	Ref	Description	Drawi ng#	Date
-	84445T14	-T14	20219019	08/06/20
7	84465K1A	-K1A	20219048	08/06/20
3	84466K1	-K1	20219046	08/06/20

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI : W6, W7, W8, W9, W10, W11, W13, W14 33W. 75x1. 5 . 75x1. 5-33-45KSI: : W12 33W. 75x2. 25 . 75x2. 25-33-45KSI:

End verticals not exposed to wind pressure.

37.25

BC

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

Laterally Restrain Chords as follows: Chord Type Start(ft) End(ft) Restraint SI oped TC -2.00 17. 80 Structural Panels Flat TC 17 80 26.87 Purlins at 24" SI oped TC 26.87 46.67 Structural Panels BC 0.00 16. 25 Purlins at 74" BC 16.25 30.83 Purlins at 120" BC 30.83 37.25 Purlins at 77"

44. 67

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

WARNING! This truss is not symmetric, but its exterior geometry makes erection error more probable. It is imperative that this truss be installed properly. Truss manufacturer is to mark this truss for proper erection.

Purlins at 89"

О	1	(b))
С	1	1	
w	2	1	

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

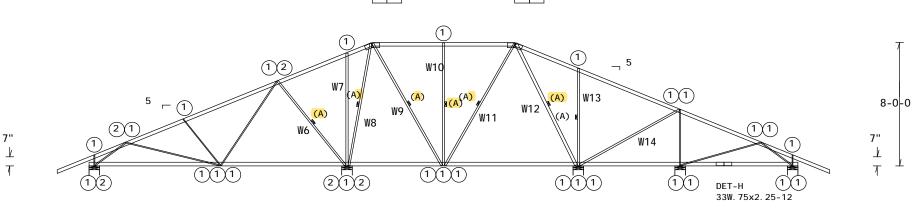
SPLICE=33W.75x2.25x12" tube insert. Center insert at splice and attach with fasteners as indicated by detail label. See drawing TS002A for splice details H to

(b) 33TSBUC3.5 20ga. Bent-U connector required. Square indicates min. fastener gty. thru connector overlap. See drawing TS004 for peak connector detail.

140 mph wind, 33.88 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

Deflection meets L/360 live and L/240 total load





**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
NT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. **I MPORTANT** Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel echnical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component

Safety Information, by CFSC) for safety practices prior to performing these functions. Installers shall structure the property of the property attached structural sheathing and the bottom chord shall have a property attached rigid ceiling. Permanent bracing stems and associated members and connections, including web CLR's, shall be specified by the Building

TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org

Designer in accordance with AISI S214 Sections B4.5 and B6.
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 S214 - North American Standard for
cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of trus
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 S214.
For more information, refer to these websites

***************	TC LL	20.0 PSF	REF R6704- 84432
MIN W. CARPINA	TC DL	25.0 PSF	DATE 08/06/20
20 4	BC DL	10.0 PSF	DRW MOUSR6704 20219008
No. 76845	3BC LL	0.0 PSF	MO-ENG cwc/BWC
STATE OF	TOT. LD.	55.0 PSF	
STATE OF			
SIONAL ENGLI	SPACI NG	24. 0"	JREF- 1WXJ6704Z02
020			

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

VE Trus Stee

Top chord 43TSC2.75 1.5x2.75-43-55KSI : T2 33TSC2.75 1.5x2.75-33-55KSI : T3 28TSC2.75 1.5x2.75-28-55KSI : Bot chord 28TSC2.75 1.5x2.75-28-55KSI webs 33W.75x1.5 .75x1.5-33-45KSI : W1, W2, W3, W14, W15, W16, W17 33W.75x.75 .75x.75-33-45KSI :

End verticals not exposed to wind pressure.

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

Laterally Restrain Chords as follows: Chord Type Start(ft) End(ft) Restraint SI oped TC -2.00 14. 20 Structural Panels Flat TC 14 20 30 47 Purlins at 24" SI oped TC 30.47 46.67 Structural Panels BC 0.00 16.25 Purlins at 76" BC 16.25 30.83 Purlins at 68" BC 37.23 Purlins at 77" 30.83 BC 44. 67 Purlins at 89"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

WARNING! This truss is not symmetric, but its exterior geometry makes erection error more probable. It is imperative that this truss be installed properly. Truss manufacturer is to mark this truss for proper erection.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TSO11 for details.

SPLICE=33W. 75x2.25x12" tube insert. Center insert at splice and attach with fasteners as indicated by detail label. See drawing TS002A for splice details H to

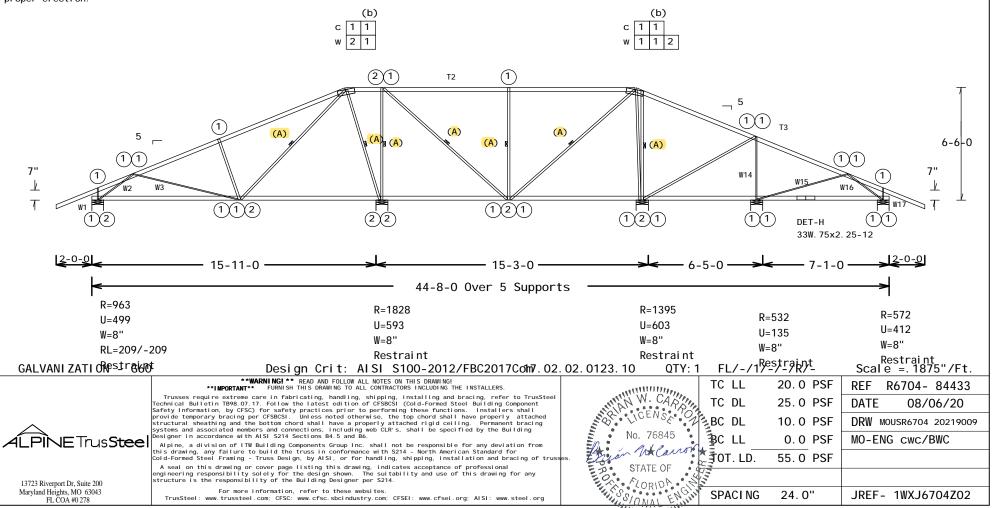
(b) 43TSSPC3.75 18ga. Straight U connector required. See drawing TS004B for peak connector detail.

140 mph wind, 33.13 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

08/11/2020

Deflection meets L/360 live and L/240 total load



Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI : W5, W7, W9, W11, W13, W15, W16, W17, W19, W21, W27, W29, W31, W33, W35, W37, W38 33W. 75x1.5

(b) 33TSBUC3.5 20ga. Bent-U connector required. Square indicates min. fastener gtv. thru connector overlap. See drawing TS004 for peak connector detail.

Special Loads

90 plf at -2.00 to 90 plf at 10.60 TC: From TC: From 45 plf at 10.60 to 45 plf at 34.07 90 plf at 34.07 to TC: From 90 plf at 46.67 4 plf at 0.00 4 plf at -2.00 to BC: From BC: From 20 plf at 0.00 to 20 plf at 10.50 BC: From 10 plf at 10.50 to 10 plf at 34.17 BC: From 20 plf at 34.17 to 20 plf at 44.67 BC: 4 plf at 44.67 to 4 plf at 46.67 From PL: 495.40 lb Conc. Load at (10.50, 32.50) PL: 203.78 lb Conc. Load at (10.66, 32.50), (12.66, 32.50), (14.66, 32.50) (16. 66, 32. 50), (18. 66, 32. 50), (20. 66, 32. 50), (22. 00, 32. 50), (24. 00, 32. 50) (26. 00, 32. 50), (28. 00, 32. 50), (30. 00, 32. 50), (32. 00, 32. 50), (34. 00, 32. 50) PL: 406.66 lb Conc. Load at (34.17, 32.50)

WARNING! This truss is not symmetric, but its exterior geometry makes erection error more probable. It is imperative that this truss be installed properly. Truss manufacturer is to mark this truss for proper erection.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

SPLICE=33W.75x2.25x12" tube insert. Center insert at splice and attach with fasteners as indicated by detail label. See drawing TS002A for splice details H to

140 mph wind, 32.38 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on MWFRS.

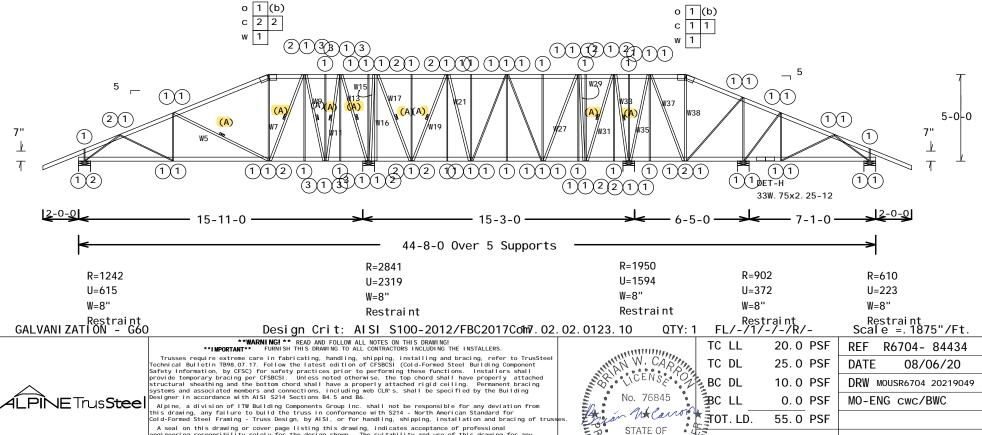
End verticals not exposed to wind pressure.

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

Laterally Restrain Chords as follows: Restraint Chord Type Start(ft) End(ft) 10.60 Structural Panels Sloped TC -2.00 Flat TC 10.60 34.07 Purlins at 24" Sloped TC 34.07 46.67 Structural Panels BC: 16. 25 0.00 Purlins at 45" Purlins at 120" BC 16.25 30.83 BC 30.83 37.25 Purlins at 77" 37.25 Purlins at 89" 44.67

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

Deflection meets L/360 live and L/240 total load.



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For more information, refer to these websites. TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org FLORIDA

THE THEFT WELL

SIGNAL

SPACI NG

24.0"

JREF- 1WXJ6704Z02

Top chord 33TSC2.75 1.5x2.75-33-55KSI Bot chord 28TSC2.75 1.5x2.75-28-55KSI

Webs 33W. 75x. 75 . 75x. 75-33-45KSI

: W4 33W. 75x2. 25 . 75x2. 25-33-45KSI: : W5 33W. 75x1. 5 . . 75x1. 5-33-45KSI:

End verticals not exposed to wind pressure.

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

In lieu of rigid ceiling use purlins to brace BC @ 54" oc.

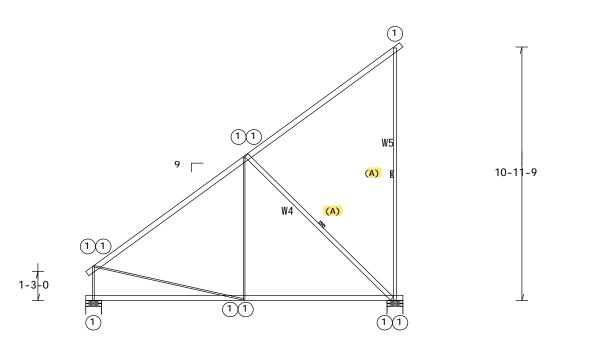
Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TSO11 for details.

140 mph wind, 32.58 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

11-3-0

Wind Loads and reactions based on both MWFRS and C&C.

Deflection meets L/360 live and L/240 total load.



GALVANIZATION - G60 Restraint

**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
WIT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10

QTY: 10 FL/-/1/-/-/R/-

Scale = .25"/Ft.

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety Information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid ceiling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI \$214 Sections B4.5 and B6.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any fallure to build the truss in conformance with S214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, installation and bracing of trusse

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For more information, refer to these websites.

TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org

TC LL 20.0 PSF R6704- 84435 REF W. CAR TC DL 25.0 PSF DATE 08/06/20 BC DL 10.0 PSF DRW MOUSR6704 20219010 No. 76845 BC LL 0.0 PSF MO-ENG cwc/BWC TOT. LD 55.0 PSF STATE OF FLORIDA **SPACING** 24.0" JREF- 1WXJ6704Z02 SIONAL THE WHITTEN

ALPINETrusSteel

Top chord 33TSC2.75 1.5x2.75-33-55KSI : T2 28TSC2.75 1.5x2.75-28-55KSI: Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI

Webs 33W. 75x. 75 . 75x. 75-33-45KSI

: W4 33W. 75x2. 25 . 75x2. 25-33-45KSI: : W5, W6 33W. 75x1. 5 . . 75x1. 5-33-45KSI:

140 mph wind, 32.36 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

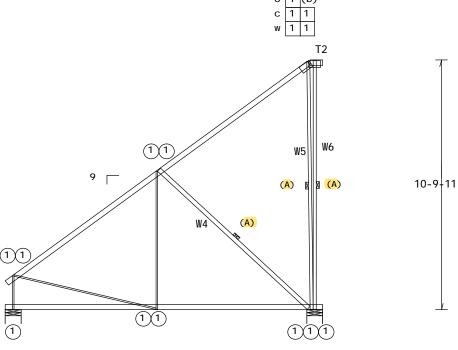
End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

- (b) 33TSBUC3.5 20ga. Bent-U connector required. Square indicates min. fastener gty. thru connector overlap. See drawing TS004 for peak connector detail.
- (A) Continuous Lateral Restraint (CLR) equally spaced on member.

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 55" oc.





GALVANIZATION - GREStraint

I MPORTANT

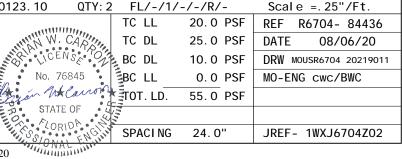
Pesign Crit: AISI S100-2012/FBC2017Com. 02. 02. 0123. 10 **WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
NT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel echnical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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JETrus**Steel**

Top chord 33TSC2.75 1.5x2.75-33-55KSI : T2 28TSC2.75 1.5x2.75-28-55KSI: Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI

Webs 33W. 75x. 75 . 75x. 75-33-45KSI

: W4, W7 33W. 75x1.5 . .75x1.5-33-45KSI: : W5, W6 33W. 75x2.25 . .75x2.25-33-45KSI:

140 mph wind, 31.94 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

End verticals not exposed to wind pressure.

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

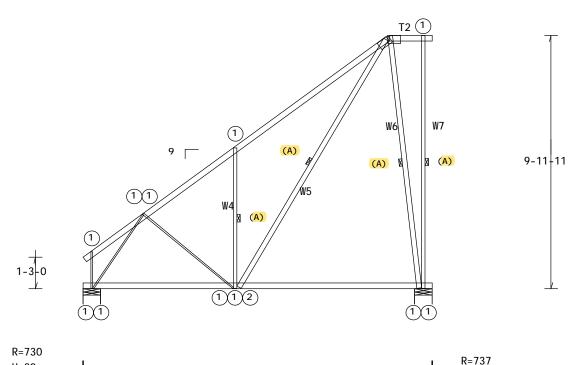
(b) 33TSBUC3.5 20ga. Bent-U connector required. Square indicates min. fastener gty. thru connector overlap. See drawing TS004 for peak connector detail.

Wind Loads and reactions based on both MWFRS and C&C.

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 58" oc.

Deflection meets L/360 live and L/240 total load.





U=20 13-4-0 Over 2 Supports U = 475W=8" W=8" RL=477/-162 Restraint Restraint

GALVANIZATION - G60

NETrus**Steel**

Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10

QTY: 2 FL/-/1/-/-/R/-

Scale = .275"/Ft.

08/06/20

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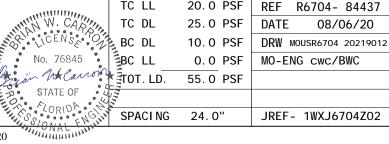
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13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043

FL COA #0 278

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1.5x2. 75-28-55KSI Webs 33W. 75x1. 5 . 75x1. 5-33-45KSI

: W1, W2 33W. 75x. 75 . 75x. 75-33-45KSI: : W5 33W. 75x2. 25 . 75x2. 25-33-45KSI:

140 mph wind, 31.53 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

End verticals not exposed to wind pressure.

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

Deflection meets L/360 live and L/240 total load.

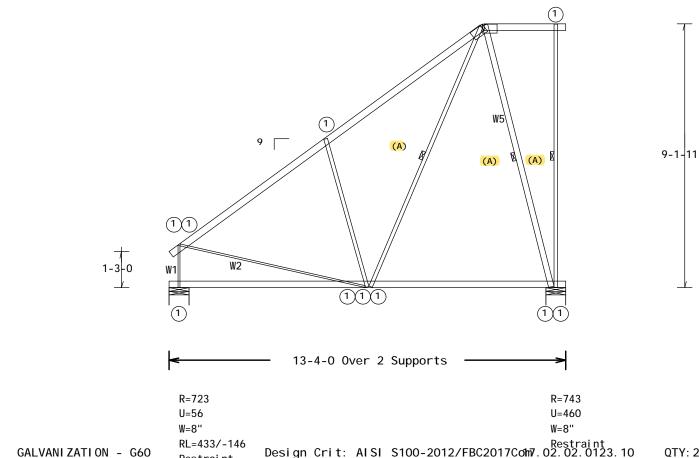
Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

(b) 33TSBUC3.5 20ga. Bent-U connector required. Square indicates min. fastener gty. thru connector overlap. See drawing TS004 for peak connector detail.

Wind Loads and reactions based on both MWFRS and C&C.

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ o 1 (24) oc, all BC @ 59" oc.

С



GALVANIZATION - G60

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043

FL COA #0 278

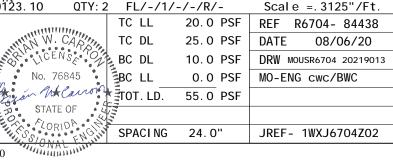
Restraint **WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel echnical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component

Safety Information, by CFSC, for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid ceiling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AlSI S214 Sections B4.5 and B6.

NETrus**Steel** Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the drawing, any failure to build the truss in conformance with 5274 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, installation and bracing of 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 an

	Building Designer per S214.	,	
TrusSteel:	refer to these websites. www.cfsc.sbcindustry.com; Cf	FSEI: www.cfsei.org;	AISI: www.steel.org



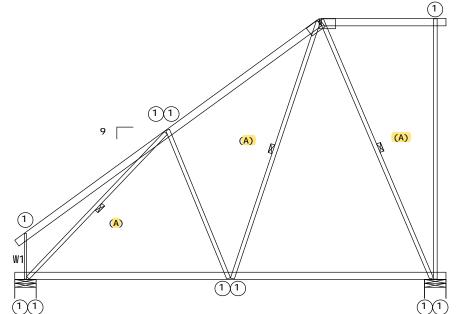
(S1401-Belmont Academy - (Escort Load) -- , ** - T08) Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x1.5 . .75x1.5-33-45KSI : W1 33W. 75x. 75 . .75x. 75-33-45KSI: (b) 33TSBUC3.5 20ga. Bent-U connector required. Square indicates min. fastener qty. thru connector overlap. See drawing TS004 for peak connector detail. Wind Loads and reactions based on both MWFRS and C&C. End verticals not exposed to wind pressure. (A) Continuous Lateral Restraint (CLR) equally spaced on member. Deflection meets L/360 live and L/240 total load.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

140 mph wind, 31.11 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ [245]" oc, all BC @ 67" oc.





8-3-11

13-4-0 Over 2 Supports R = 732R = 735U=92 U = 431W=8" W=8"

GALVANIZATION - G60

Restraint DESIGN OF THE NAME OF THE DESIGN O Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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 \$214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, installation and bracing of trus

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 \$214.

For more information, refer to these websites. TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org

*****************	TC LL	20.0 PSF	REF R6704- 84439
W. CARPINA	TC DL	25.0 PSF	DATE 08/06/20
CENSE O	BC DL	10.0 PSF	DRW MOUSR6704 20219014
No. 76845	BC LL	0.0 PSF	MO-ENG cwc/BWC
STATE OF	Ç₹OT. LD.	55.0 PSF	
TORIDA N	1111		
SIONAL ENGLI	SPACI NG	24. 0"	JREF- 1WXJ6704Z02
20			

NETrus**Steel**

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x1. 5 . 75x1. 5-33-45KSI : W1, W3 33W. 75x. 75 . 75x. 75-33-45KSI:

140 mph wind, 30.69 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

End verticals not exposed to wind pressure.

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

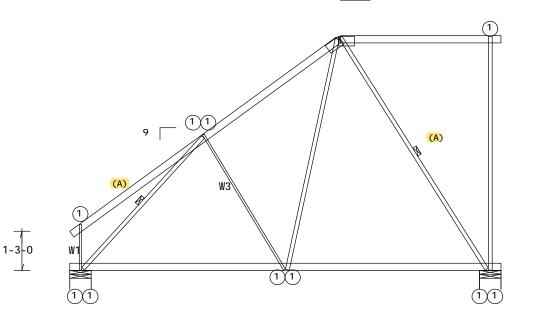
Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

(b) 33TSBUC3.5 20ga. Bent-U connector required. Square indicates min. fastener gty. thru connector overlap. See drawing TS004 for peak connector detail.

Wind Loads and reactions based on both MWFRS and C&C.

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 67" oc.

Deflection meets L/360 live and L/240 total load.





13-4-0 Over 2 Supports R = 732R = 735U=125 U=404 W=8" W=8"

GALVANIZATION - G60

JETrus**Steel**

Restrain* NGI** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANI FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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 \$214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, intaliation and bracing of trus

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 \$214.

For more information, refer to these websites.

TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org

RL=344/-115 Restraint Design Crit: AISI S100-2012/FBC2017Com7.02.	Restraint 02.0123.10 QTY: 2 FL/-/1/-/	′-/R/-	Scal e = . 34"/Ft.
Restrain Parning: * Read and Follow all Notes on this Drawing: * Read and Follow all Notes on this Drawing: * Purnish this Drawing to all contractors including the Installers.		20. 0 PSF	REF R6704- 84440
require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel ulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component mation, by CFSC) for safety practices prior to performing these functions. Installers shall	TC DL	25.0 PSF	DATE 08/06/20
porary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing associated members and connections, including web CLR's, shall be specified by the Building		10.0 PSF	DRW MOUSR6704 20219015
accordance with AISI S214 Sections B4.5 and B6. division of ITW Building Components Group Inc. shall not be responsible for any deviation from	No. 76845 BC LL	0.0 PSF	MO-ENG cwc/BWC
g, any failure to build the truss in conformance with S214 - North American Standard for Steel Framing - Truss Design, by AlSI, or for handling, shipping, installation and bracing of truss this drawing or cover page listing this drawing, indicates acceptance of professional	STATE OF	55.0 PSF	
responsibility solely for the design shown. The suitability and use of this drawing for any s the responsibility of the Building Designer per S214.	VORIDA .		
For more information, refer to these websites. 1: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsei.org; AISI: www.steel.org	SPACING	24. 0"	JREF- 1WXJ6704Z02

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MINISTER.

Top chord 28TSC2.75 1.5x2.75-28-55KSI : T2 33TSC2.75 1.5x2.75-33-55KSI: Bot chord 28TSC2.75 1.5x2.75-28-55KSI webs 33W.75x.75 .75x.75-33-45KSI : W5, W6 33W.75x1.5 .75x1.5-33-45KSI :

140 mph wind, 30.28 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

End verticals not exposed to wind pressure.

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

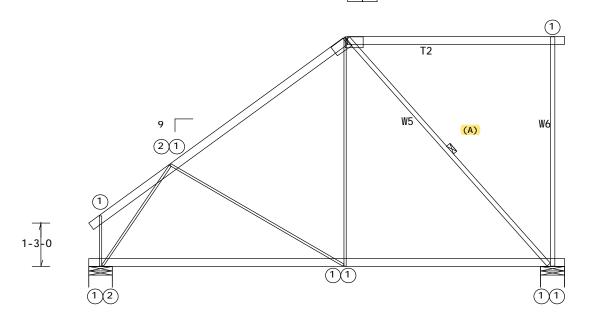
Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TSO11 for details.

(b) 33TSBUC3.5 20ga. Bent-U connector required. Square indicates min. fastener qty. thru connector overlap. See drawing TS004 for peak connector detail.

Wind Loads and reactions based on both MWFRS and C&C.

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 63" oc.

Deflection meets L/360 live and L/240 total load.





Design Crit: ALSI S100-2012/FBC2017Com7.02.02.0123.10

GALVANIZATION - G60

NETrus**Steel**

PRESTRAIN TO STAND FOLLOW ALL NOTES ON THIS DRAWING INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin T898 07. 17. Follow the latest edition of CFSBCS1. (Clodd-Formed Steel Building Component Safety Information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCS1. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid ceiling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

uesigner in accordance with AISI 5214 Sections B4.5 and B6. 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 5214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of truss

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For more information, refer to these websites.

TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsei.org; AISI: www.steel.org

*************	TC LL	20.0 PSF	REF R6704- 84441
W. CARA	TC DL	25.0 PSF	DATE 08/06/20
SE VICENSE OF	BC DL	10.0 PSF	DRW MOUSR6704 20219016
No. 76845	₿C LL	0.0 PSF	MO-ENG cwc/BWC
STATE OF	TOT. LD.	55.0 PSF	
STATE OF	370		
SIONAL ENGLIS	SPACING	24. 0"	JREF- 1WXJ6704Z02
20		•	

Scal e = . 375"/Ft.

FL/-/1/-/-/R/-

Top chord 33TSC2.75 1.5x2.75-33-55KSI : T2 28TSC2.75 1.5x2.75-28-55KSI : Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI

Webs 33W. 75x. 75 . . 75x. 75-33-45KSI : W6 33W. 75x1. 5 . . 75x1. 5-33-45KSI:

(b) 33TSBUC3.5 20ga. Bent-U connector required. Square indicates min. fastener qty. thru connector overlap. See drawing TS004 for peak connector detail.

End verticals not exposed to wind pressure.

Left cantilever is not exposed to wind

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

Deflection meets L/360 live and L/240 total load.

0	1	(b)
С	1	1
W	1	

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

140 mph wind, 29.11 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

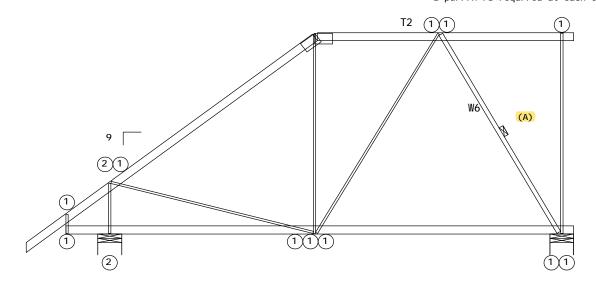
Laterally Restrain Chords as follows:

Chord Type	Start(ft)	End(ft)	Restrai n	t
SI oped TC	-1.11	6. 96	Structural	Panel s
Flat TC	6. 96	14. 22	Purlins at	24"
BC	0.00	1. 22	Purlins at	15"
BC	1. 22	14. 22	Purlins at	69"

R=720

U = 341W=8"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.





14-2-11 Over 2 Supports

R=938

U=296

RL=354/-133

W=8"

Restraint **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 TrusSteel echnical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component

Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

JETrus**Steel** Alpine, a division of ITM Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with S214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of truss A seal on this drawing or cover page listing this drawing, indicates acceptance of professional enering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per \$214.

For more information, refer to these websites.

TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org

************	TC LL	20.0 PSF	REF R6704- 84442
MAN W. CARA	TC DL	25.0 PSF	DATE 08/06/20
	BC DL	10.0 PSF	DRW MOUSR6704 20219017
No. 76845	3BC LL	0.0 PSF	MO-ENG cwc/BWC
STATE OF	TOT. LD.	55.0 PSF	
STATE OF	376		
SIONAL ENGLIS	SPACING	24. 0"	JREF- 1WXJ6704Z02
020			

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

GALVANIZATION - G60

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR. (S1401-Belmont Academy - (Escort Load) -- , ** - T12) Top chord 28TSC2. 75 1.5x2.75-28-55KSI: T2 33TSC2.75 1.5x2.75-33-55KSI: Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 Webs 33W, 75x, 75 . 75x, 75-33-45KSI for details. : W3, W5, W8, W9, W10 33W. 75x1. 5 . 75x1. 5-33-45KSI: : W11, W12, W13 33W. 75x2. 25 . 75x2. 25-33-45KSI: (b) 33TSBUC3.5 20ga. Bent-U connector required. Square indicates min. fastener aty. thru connector overlap. See drawing TS004 for peak connector detail. Special Loads 140 mph wind, 28.69 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, TC: From 90 plf at -1.11 to 90 plf at 5.85 RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18 TC: From 45 plf at 5.85 to 45 plf at 13.95 90 plf at 13.95 to 90 plf at 14.22 Wind Loads and reactions based on MWFRS. TC: From BC: From 4 plf at -1.11 to 4 plf at 0.00 BC: From 8 plf at 0.00 to 8 plf at 0.89 Left cantilever is not exposed to wind 20 plf at 0.89 to 20 plf at 5.84 BC: From BC: From 10 plf at 5.84 to 10 plf at 13.95 Laterally Restrain Chords as follows: BC: From 20 plf at 13.95 to 20 plf at 14.22 Chord Type Start(ft) End(ft) Restraint PL: 495. 40 lb Conc. Load at (5.84, 26.67) PL: 527. 68 lb Conc. Load at (5.95, 28.81), (7.95, 28.82), (9.95, 28.82) Sloped TC -1.11 5.85 Structural Panels Flat TC 5.85 14.22 Purlins at 24" (11. 95, 28. 82), (13. 95, 28. 82) 1. 35 Purlins at 16" 0.00 1.35 14. 22 Purlins at 46" End verticals not exposed to wind pressure. NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown. o 1 (b) (A) Continuous Lateral Restraint (CLR) equally spaced on member. c 3 2 Deflection meets L/360 live and L/240 total load. 1 1 T2 W1 (A) W5 W13 4-11-11 W8 Ŵ12 (1)(1)(4)(4)(1)(1) (3) (4) R=2381 14-2-11 Over 2 Supports U=1309 R=1965 W=8" U=1196 Restraint W=8" Restraint Design Crit: AISI S100-2012/FBC2017Com₁₇. 02. 02. 0123. 10 GALVANIZATION - G60 OTY: 3 FL/-/1/-/-/R/-Scal e = . 4375"/Ft. **WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. antim Cakin TC LL 20.0 PSF RFF W. CARR Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel echnical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component TC DL 25.0 PSF DATE 08/06/20

NETrus**Steel**

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Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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For more information, refer to these websites. TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org

R6704- 84443 BC DL 10.0 PSF DRW MOUSR6704 20219047 BC LL No. 76845 0.0 PSF MO-ENG cwc/BWC ₹OT. LD 55.0 PSF SPACI NG 24.0" JREF- 1WXJ6704Z02

Top chord 33TSC2.75 1.5x2.75-33-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

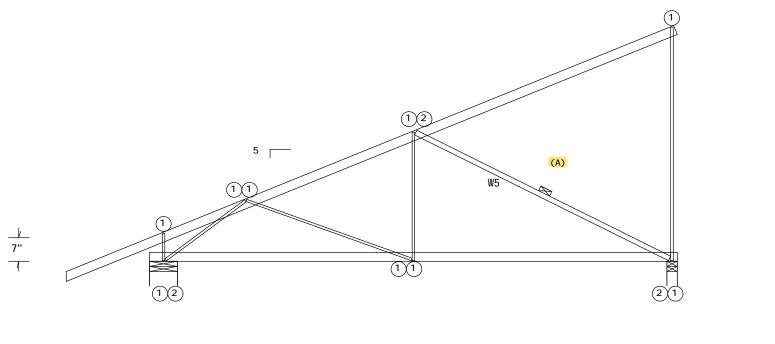
Deflection meets L/360 live and L/240 total load.

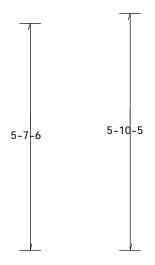
Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

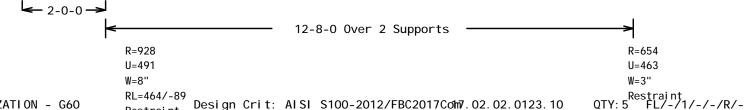
Wind Loads and reactions based on both MWFRS and C&C.

End verticals not exposed to wind pressure.

In lieu of rigid ceiling use purlins to brace BC @ 55" oc.







Restraint **WARNI NGI ** READ AND FOLLOW ALL NOTES ON THIS DRAWINGI

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component

Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

NETrus**Steel** 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 S214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of t

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TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org

TC LL	20.0 PSF	REF R6704- 84444
TC DL	25.0 PSF	DATE 08/06/20
BC DL	10.0 PSF	DRW MOUSR6704 20219018
BC LL	0.0 PSF	MO-ENG cwc/BWC
± TOT. LD.	55.0 PSF	
77		
SPACING	24. 0"	JREF- 1WXJ6704Z02

Scal e = . 4375"/Ft.

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL ČOA #0 278

GALVANIZATION - G60

08/11/2020

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Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W-Swage 1.5x1.5-33-45KSI : W1, W2 33W. 75x. 75 . 75x. 75-33-45KSI:

Wind Loads and reactions based on both MWFRS and C&C.

End verticals not exposed to wind pressure.

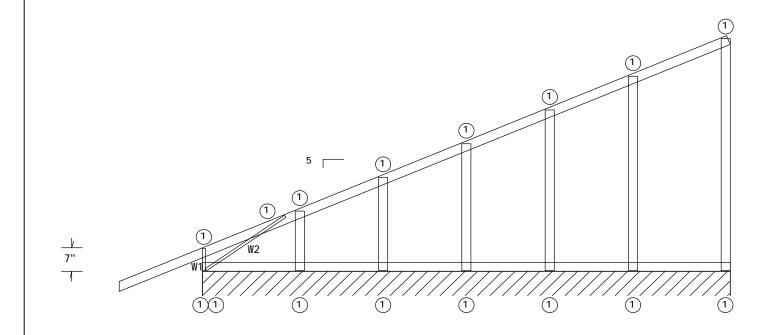
WEBS DESIGNED TO TRANSFER WIND PRESSURES TO TOP AND BOTTOM CHORD DIAPHRAGMS OR BRACING SYSTEMS, DESIGNED BY OTHERS. TRUSS CHORDS DESIGNED FOR VERTICAL LOADS ONLY.

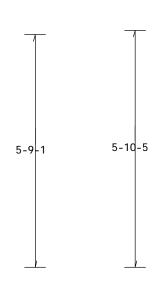
Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

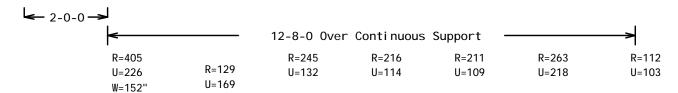
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 120" oc.

Deflection meets L/360 live and L/240 total load.







Design Crit: AISI S100-2012/FBC 2017 2000M01.01.0616.17

GALVANIZATION - G60

NETrus**Steel**

QTY: 1 FL/-/1/-/-/R/- Scale = . 4375"/Ft.

**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

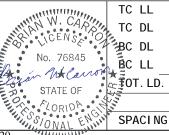
Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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 \$214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, installation and bracing of so

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional englineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per 5214.

For more information, refer to these websites.

TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org



20.0 PSF	REF R6704- 84445
25.0 PSF	DATE 08/06/20
10.0 PSF	DRW MOUSR6704 20219019
0.0 PSF	MO-ENG BWC/BWC
55.0 PSF	SEQN- 15547 REV
24. 0"	JREF- 1WXJ6704Z02

RL=463/-89

08/11/2020

Top chord 33TSC2.75 1.5x2.75-33-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI : W5, W6 33W. 75x1.5 . 75x1.5-33-45KSI:

End verticals not exposed to wind pressure.

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

In lieu of rigid ceiling use purlins to brace BC @ 59" oc.

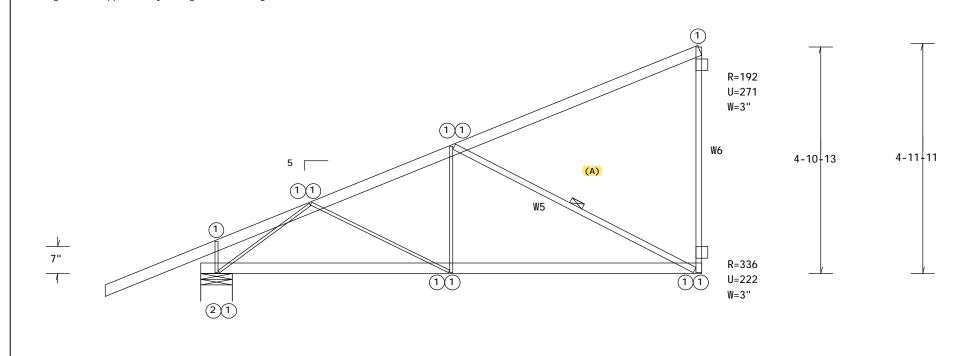
See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TSO11 for details.

140 mph wind, 28.69 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

Deflection meets L/360 live and L/240 total load.





GALVANIZATION - G60

VE Trus Steel

Restraintesigii Cii L. Aisi Sioo-Zoizi Bozoi - WARNI NGI ** READ AND FOLLOW ALL NOTES ON THIS DRAWINGI ** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety Information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building

Designer in accordance with AISI S214 Sections B4.5 and B6.
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 S214 - North American Standard for
Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of truss
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 \$214

For more information, refer to these websites. TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsei.org; AISI: www.steel.org

2.	02.0	0123.	10	QTY: 1	0 FL/-/1/	-/-/R/-	Scale =.5"/Ft.
			09999999999	CASTE	TC LL	20.0 PSF	REF R6704- 84446
el			LANCE	AAAA Q	TC DL	25.0 PSF	DATE 08/06/20
		IIII.	No. 76	5845	BC DL	10.0 PSF	DRW MOUSR6704 20219020
		4	in not		BÉC LL	0.0 PSF	MO-ENG cwc/BWC
ISS	es.	E O	STATE		∰TOT. LD.	55.0 PSF	
		110	COR	IDA G	71		
	0/11/0	,	SIONA	FEWIN	SPACI NG	24. 0"	JREF- 1WXJ6704Z02
$\overline{\mathbf{u}}$	8/11/2	2020		1111			

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x1. 5 . 75x1. 5-33-45KSI : W1, W2, W3, W4 33W. 75x. 75 . 75x. 75-33-45KSI: : W8, W9, W10 33W. 75x2. 25 . 75x2. 25-33-45KSI:

140 mph wind, 32.21 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

Deflection meets L/360 live and L/240 total load.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

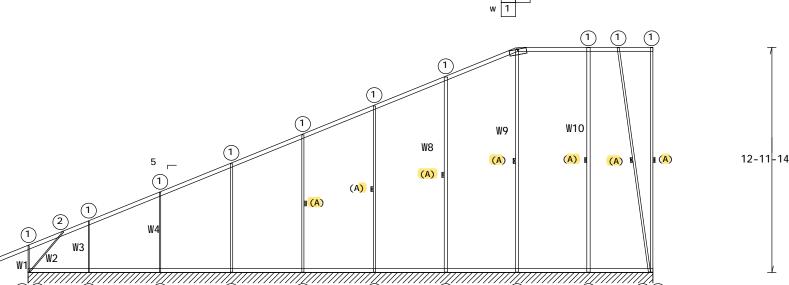
Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

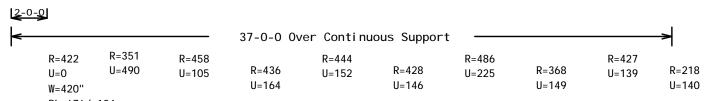
(b) 43TSSPC3.75 18ga. Straight U connector required. See drawing TS004B for peak connector detail.

Wind Loads and reactions based on both MWFRS and C&C.

End verticals not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 120"





RL=676/-104 G60 GALVANIZATION -

**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
NT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

I MPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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 S214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of truss

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Design Crit: AISI \$100-2012/FBC2017Com7.02.	02. 0123. 10 QTY: 2	2 FL/-/1/	-/-/R/-	Scal e =. 1875"/Ft.
ARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING! FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.	Marin Marin	TC LL	20.0 PSF	REF R6704- 84447
are in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component for safety practices prior to performing these functions. Installers shall	CENS	TC DL	25.0 PSF	DATE 08/06/20
r CFSBCSI. Unless noted otherwise, the top chord shall have properly attached bottom chord shall have a properly attached rigid celling. Permanent bracing rs and connections, including web CLR's, shall be specified by the Building	No. 76845	BC DL	10.0 PSF	DRW MOUSR6704 20219021
AISI S214 Sections B4.5 and B6.		BC LL	0.0 PSF	MO-ENG cwc/BWC
Building Components Group Inc. shall not be responsible for any deviation from	As in Wat Carro		0.0131	WO-LING CWC/ DWC
build the truss in conformance with S214 - North American Standard for Truss Design, by AISI, or for handling, shipping, installation and bracing of truss		STOT. LD.	55.0 PSF	
cover page listing this drawing, indicates acceptance of professional olely for the design shown. The suitability and use of this drawing for any lty of the Building Designer per S214.	TORIDA C	1		
nformation, refer to these websites. com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsei.org; AISI: www.steel.org	SULLOSS ONAL ENTIN	SPACI NG	24. 0"	JREF- 1WXJ6704Z02
U	8/11/2020			



Top chord 28TSC2.75 1.5x2.75-28-55KSI Bot chord 28TSC2.75 1.5x2.75-28-55KSI Webs 33W.75x1.5 .75x1.5-33-45KSI .W1 W2 W3 W4 W5 33W.75x 75 .75x 75-33-4

: W1, W2, W3, W4, W5 33W. 75x. 75 . 75x. 75-33-45KSI:

: W9 33W. 75x2. 25 . 75x2. 25-33-45KSI:

140 mph wind, 33.44 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

Deflection meets L/360 live and L/240 total load.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TSO11 for details.

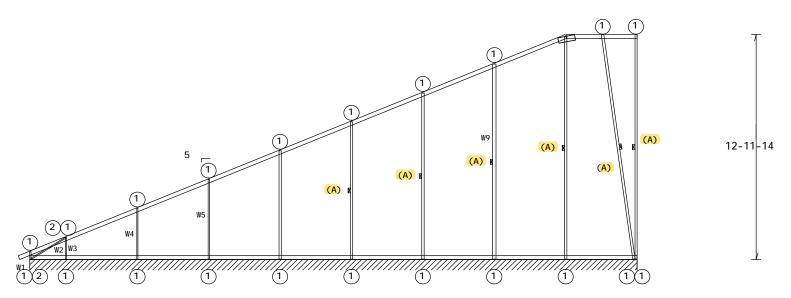
(b) 43TSSPC3.75 18ga. Straight U connector required. See drawing TS004B for peak connector detail.

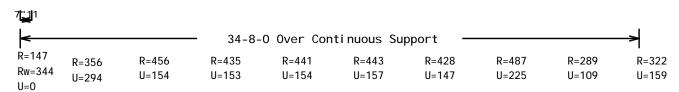
Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 120" oc. (b)

c 1 1 w 1





Design Crit: AISI S100-2012/FBC2017Com7.02.02.

W=408.35"

GALVANI ZATIRQN684,G690

**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 TrusSteel Technical Builetin 1898.07.17. Follow the latest deltion of CFSBCSI (Cold-Formed Steel Building Component Safety Information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid ceiling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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 S214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of truss A seal on this drawing or cover page Listing this drawing. Indicates accordance of professional

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. 0123. 10	QTY: 2	PL/-/1/	-/-/R/-	Scal e =. 1875"/Ft.
	11111111	TC LL	20.0 PSF	REF R6704- 84448
MANA W.	CARPINA	TC DL	25.0 PSF	DATE 08/06/20
LICE LICE	- 6 0 0	BC DL	10.0 PSF	DRW MOUSR6704 20219022
No. 7		BC LL	0.0 PSF	MO-ENG cwc/BWC
The state of the s	Carron	TOT. LD.	55.0 PSF	
STAT	E OF	374		
SION	ENGLI	SPACI NG	24. 0"	JREF- 1WXJ6704Z02
2020	143333350			·

ÁLPINE Trus Steel

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

5"12 <u>/</u> Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI

: W6, W7, W8, W10 33W. 75x1. 5 . 75x1. 5-33-45KSI:

: W9 33W. 75x2. 25 . 75x2. 25-33-45KSI:

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

In lieu of rigid ceiling use purlins to brace BC @ 120" oc.

Deflection meets L/360 live and L/240 total load.

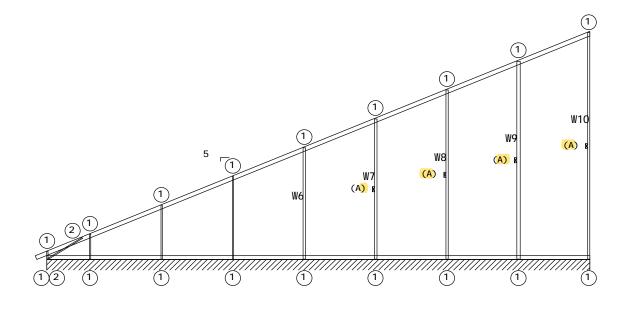
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

140 mph wind, 35.03 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.





7 11 1								
\			31-0-13 Ove	er Continuo	us Support			->
R'=158 Rw=336 U=0 W=365.15"	R=378 U=284	R=454 U=150	R=436 U=157	R=441 U=155	R=443 U=158	R=427 U=151	R=493 U=212	R=178 U=104

GALVANI ZATRIONO95/6780

5"12 \perp

**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

ANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. **I MPORTANT**

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Design Crit: AISI S100-2012/FBC2017Com7.02.	02. 0123. 10 Q	TY: 2 FL/-/1/	-/-/R/-	Scal e = . 1875"/Ft.				
ARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING! FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.	**************	TC LL	20.0 PSF	REF R6704- 84449				
are in fabricating, handling, shipping, installing and bracing, refer to TrusSteel 7. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component for safety practices prior to performing these functions. Installers shall	M. CA	TC DL	25.0 PSF	DATE 08/06/20				
r CFSBCSI. Unless noted otherwise, the top chord shall have properly attached bottom chord shall have a properly attached rigid celling. Permanent bracing rs and connections, including web CLR's, shall be specified by the Building	CENSE	BC DL	10.0 PSF	DRW MOUSR6704 20219023				
ALSI S214 Sections B4.5 and B6. Building Components Group Inc. shall not be responsible for any deviation from	No. 76845	BC LL	0.0 PSF	MO-ENG cwc/BWC				
build the truss in conformance with S214 - North American Standard for Truss Design, by AISI, or for handling, shipping, installation and bracing of truss		TOT. LD.	55.0 PSF					
cover page listing this drawing, indicates acceptance of professional olely for the design shown. The suitability and use of this drawing for any lty of the Building Designer per S214.	STATE OF							
nformation, refer to these websites. com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfseI.org; AISI: www.steeI.org	SIONAL E	NGILL SPACING	24. 0"	JREF- 1WXJ6704Z02				
08/11/2020 **********************************								

JETrus**Steel**

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x1. 5 . 75x1. 5-33-45KSI

: W1, W2, W3, W4 33W. 75x. 75 . 75x. 75-33-45KSI:

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

In lieu of rigid ceiling use purlins to brace BC @ 114" oc.

Deflection meets L/360 live and L/240 total load.

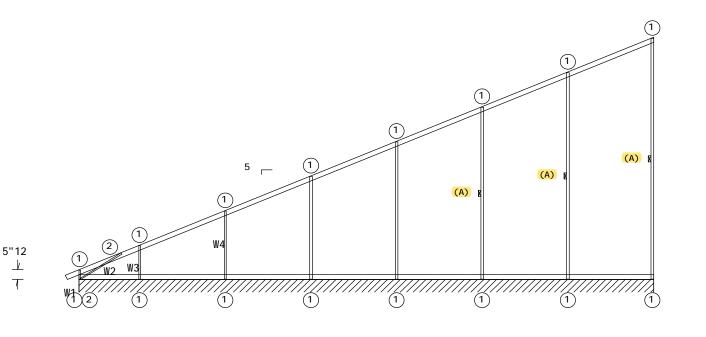
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

140 mph wind, 35.78 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.



7[::][1							
 			-10 Over Con	tinuous Supp	ort ——		>
R=184 Rw=337		R=449	R=438	R=443	R=428	R=491	R=178
U=0 W=321. 95"	R=400 U=340	U=219	U=235	U=232	U=226	U=258	U=105

GALVANI ZATRLONI63/63/60

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**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10 QTY: 2 FL/-/1/-/-/R/-

MINIMAN 1939

Scal e = . 225"/Ft.

JETrus**Steel**

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL ČOA #0 278

Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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****************	TC LL	20.0 PSF	REF R6704- 84450
MIN W. CARPIN	TC DL	25.0 PSF	DATE 08/06/20
LICENSE OF	BC DL	10.0 PSF	DRW MOUSR6704 20219024
No. 76845	BC LL	0.0 PSF	MO-ENG cwc/BWC
STATE OF	TOT. LD.	55.0 PSF	
STATE OF	777		
SIONAL ENGLI	SPACI NG	24. 0"	JREF- 1WXJ6704Z02

11-7-14

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI : W5, W6, W7, W8 33W. 75x1.5 . 75x1.5-33-45KSI:

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

In lieu of rigid ceiling use purlins to brace BC @ 120" oc.

Deflection meets L/360 live and L/240 total load.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

140 mph wind, 36.53 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

QTY: 2 FL/-/1/-/-/R/-

20.0 PSF

25.0 PSF

10.0 PSF 0.0 PSF

55.0 PSF

24.0"

TC LL

Scale = .275"/Ft.

DRW MOUSR6704 20219025

JREF- 1WXJ6704Z02

MO-ENG cwc/BWC

R6704- 84451

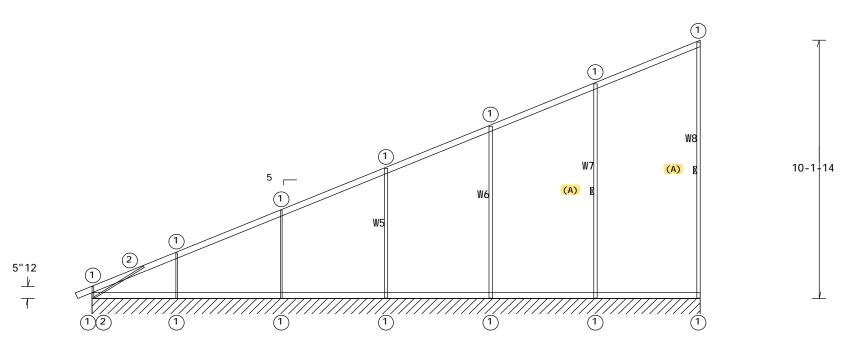
08/06/20

REF

DATE

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.



-		- 23-10-7 0v	ver Continuous	Support ——		
R=208 Rw=260		R=443	R=443	R=428	R=492	R=178
W=260 U=0 W=278.75"	R=424 U=333	U=216	U=239	U=225	U=260	U=106

GALVANI ZATI ONRL=6660-63 Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10

**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 TrusSteel lechnical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety Information, by CFSC) for safety practices prior to perfor provide temporary bracing per CFSBCSI. Unless noted otherwise, structural sheathing and the bottom chord shall have a properly is systems and associated members and connections, including web CLI Designer in accordance with AISI S214 Sections 84.5 and 85.

Alpine, a division of ITW Building Components Group Inc. s this drawing, any failure to build the truss in conformance Cold-Formed Steel Framing - Truss Design, by AISI, or for ha A seal on this drawing or cover page listing this drawing, engineering responsibility solely for the design shown. The structure is the responsibility of the Building Designer per

For more information, refer to these webs TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustr

CONTRACTORS INCLUDING THE INSTALLERS.		IC LL
shipping, installing and bracing, refer to TrusSteel of CFSBCSI (Cold-Formed Steel Building Component operforming these functions. Installers shall	MAN W. CARPINA	TC DL
wise, the top chord shall have properly attached pperly attached rigid celling. Permanent bracing web CLR's, shall be specified by the Building	CENSE OF	BC DL
s. shall not be responsible for any deviation from	No. 76845	BC LL
e with S214 - North American Standard for handling, shipping, installation and bracing of truss		TOT. LD.
ng, indicates acceptance of professional The suitability and use of this drawing for any Der S214.	STATE OF	777
osites. ry.com; CFSEI: www.cfsei.org; AISI: www.steel.org	LORIO ENGLIS	SPACI NG

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL ČOA #0 278

NE Trus Steel

"HILLIAM IN

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI : W5, W6, W7 33W. 75x1.5 . 75x1.5-33-45KSI:

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

In lieu of rigid ceiling use purlins to brace BC @ 120" oc.

Deflection meets L/360 live and L/240 total load.

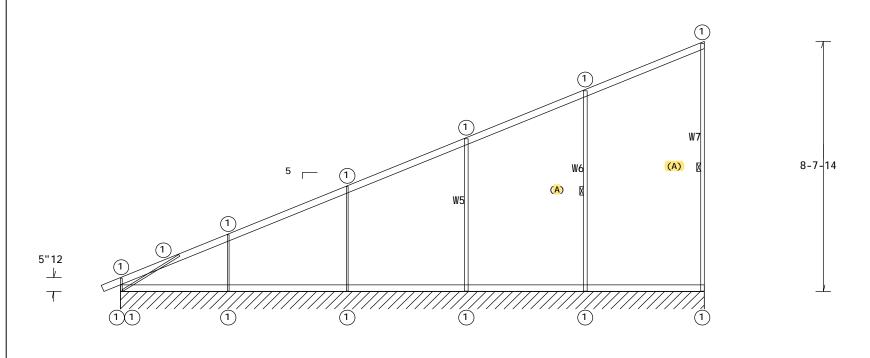
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

140 mph wind, 37.28 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.



1					
<		20-3-3 Over Conti	nuous Support		>
R=231		R=440	R=429	R=491	R=178
U=0 W=235 55"	R=450 U=329	U=216	U=233	U=260	U=106

RL=567/-54 GALVANIZATION - G60

NETrus**Steel**

Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10

OTY: 2 FL/-/1/-/-/R/-

Scal e = . 3125"/Ft.

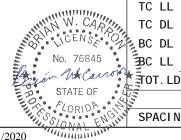
**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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For more information, refer to these websites.

TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org



20.0 PSF	REF R6704- 84452
25.0 PSF	DATE 08/06/20
10.0 PSF	DRW MOUSR6704 20219026
0.0 PSF	MO-ENG cwc/BWC
55.0 PSF	

24.0" JREF- 1WXJ6704Z02 SPACI NG

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI

140 mph wind, 38.03 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 120" oc.

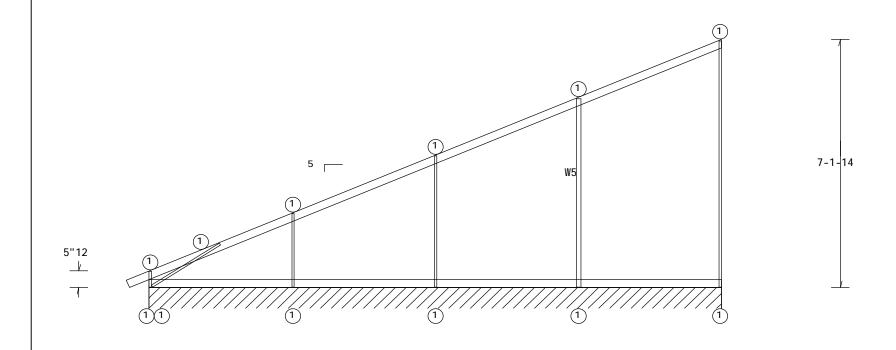
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



7:11 16-8-0 Over Continuous Support R=251 R=415 R=498 R=175 R=483 U=205 U=108 U=6 U = 271U = 332W=192.35"

RL=468/-46 - G60 GALVANI ZATI ON

NETrus**Steel**

Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10

QTY: 2 FL/-/1/-/-/R/-Scale = .375"/Ft.

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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 \$214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, installation and bracing of so

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional englineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per 5214.

For more information, refer to these websites.

TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org

annining of the	TC LL	20.0 PSF	REF R6704- 84453
CENSO O	TC DL	25.0 PSF	DATE 08/06/20
Ed. C.	BC DL	10.0 PSF	DRW MOUSR6704 20219027
No. 76845	EC LL	0.0 PSF	MO-ENG cwc/BWC
STATE OF	⊈TOT. LD.	55.0 PSF	
PORIDA .	777		
SONAL ENGLIS	SPACING	24. 0"	JREF- 1WXJ6704Z02
20			

08/11/2020

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI

140 mph wind, 38.78 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 120" oc.

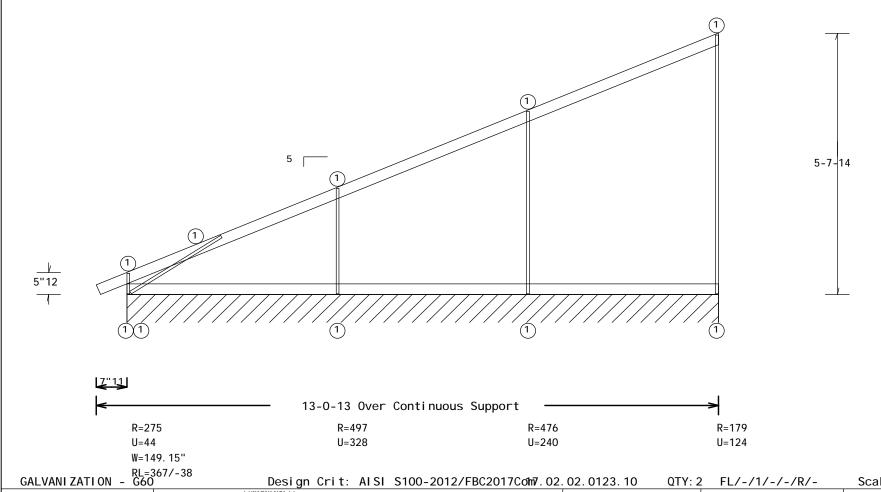
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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JETrus**Steel** 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 S214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of t

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QTY: 2 FL/-/1/-/-/R/-Scale = .5"/Ft. attititititititi TC LL 20.0 PSF R6704- 84454 REF TC DL 25.0 PSF DATE 08/06/20 10.0 PSF DRW MOUSR6704 20219028 0.0 PSF MO-ENG cwc/BWC ₹OT. LD. 55.0 PSF STATE OF SPACI NG 24.0" JREF- 1WXJ6704Z02

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

Top chord 28TSC2.75 1.5x2.75-28-55KSI Bot chord 28TSC2.75 1.5x2.75-28-55KSI Webs 33W.75x.75 .75x.75-33-45KSI

140 mph wind, 39.53 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 106" oc.

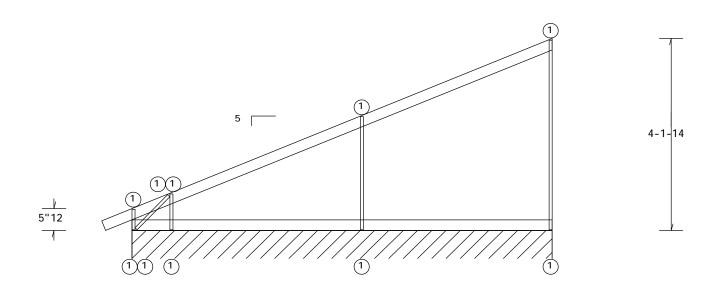
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TSO11 for details.

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



9-5-10 Over Continuous Support

R=508

U=274

GALVANIZATION - G60

RL=267/-30 besign Crit: AISI \$100-2012/FBC2017Cott 0.02.02.0123.10

WARNING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

R=353

U = 347

Rw=237

U=26 W=105. 95"

Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety Information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid ceiling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections 84.5 and 85.

NETrusStee

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For more information, refer to these websites.

TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsei.org; AISI: www.steel.org

CENSA O	TC DL
	BC DL
No. 76845	BC LL
STATE OF	Ç ∓ OT. LD.
CORIDA .	777
SIONAL ENTIN	SPACI NG
2020	

R=174

U=136

Maria Company

QTY: 2

TC LL	20.0 PSF	REF R6704- 84455
TC DL	25.0 PSF	DATE 08/06/20
BC DL BC LL	10.0 PSF	DRW MOUSR6704 20219029
	0.0 PSF	MO-ENG cwc/BWC
	55.0 PSF	
17.		

24.0"

Scale = .5"/Ft.

JREF- 1WXJ6704Z02

FL/-/1/-/-/R/-

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI

140 mph wind, 40.28 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 63" oc.

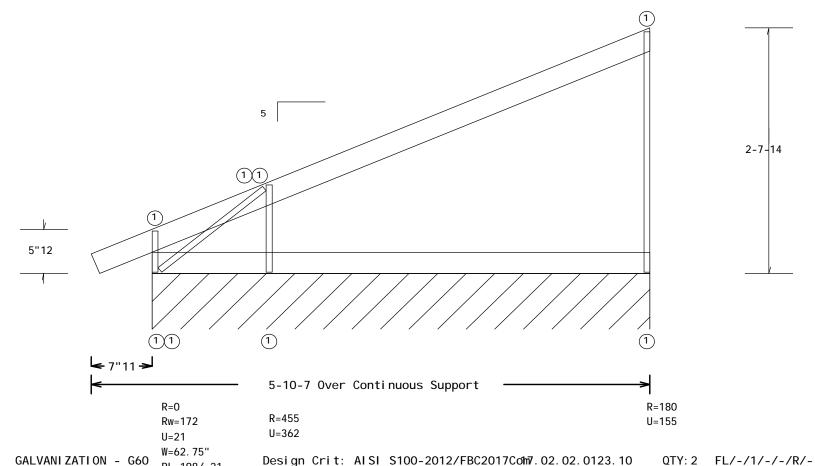
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



GALVANIZATION - G60

JETrus**Steel**

RL=198/-21

**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the drawing, any failure to build the truss in conformance with 5274 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, installation and bracing of

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Scale =1"/Ft.

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI

140 mph wind, 41.03 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 20" oc.

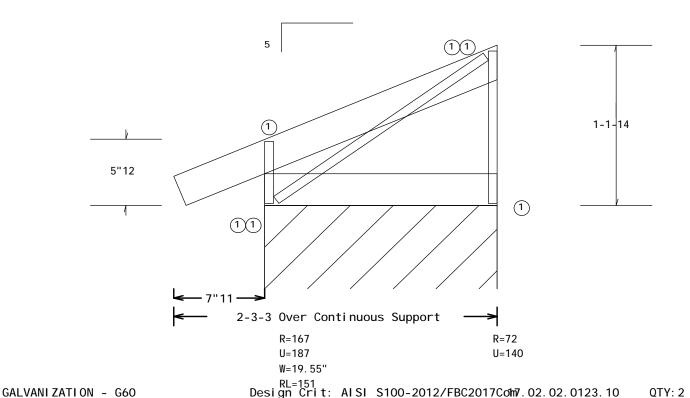
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



NETrus**Steel**

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Safety Information, by CFSC, for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid ceiling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AlSI S214 Sections B4.5 and B6.

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MILLIAN CAPITA TC LL 20.0 PSF R6704- 84457 REF W. CAR TC DL 25.0 PSF DATE 08/06/20 10.0 PSF DRW MOUSR6704 20219031 0.0 PSF MO-ENG cwc/BWC A SONAL ∝TΩT. LD. 55.0 PSF **SPACING** 24.0" JREF- 1WXJ6704Z02

Scale = 1.5"/Ft.

FL/-/1/-/-/R/-

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x1. 5 . 75x1. 5-33-45KSI : W1, W3 33W. 75x. 75 . 75x. 75-33-45KSI:

140 mph wind, 34.63 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

End verticals not exposed to wind pressure.

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

Deflection meets L/360 live and L/240 total load.

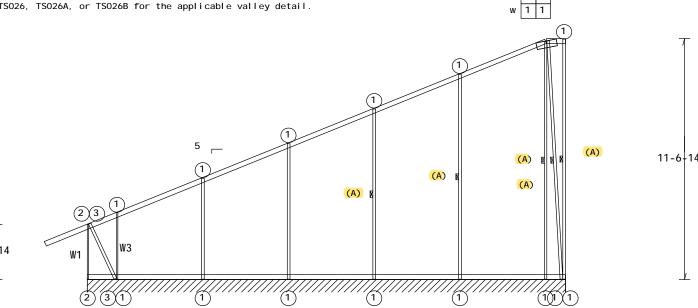
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

(b) 43TSSPC3.75 18ga. Straight U connector required. See drawing TS004B for peak connector detail.

Wind Loads and reactions based on both MWFRS and C&C.

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 120" oc.





2-0-0

24-4-0 Over Continuous Support R=189 R=460 R=438 R = 430R=487 R=195 Rw=1286 Rw = 247U = 0R = 88U=260 U=223 U=224 U=262 U=3U=1302 U = 157W=268"

GALVANI ZATI ORL=6466076

JETrus**Steel**

**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10

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-0998488888	Caller	TC LL	20.0 PSF	REF R6704- 84458
IN CE	NS	TC DL	25.0 PSF	DATE 08/06/20
No. 7	105	BC DL	10.0 PSF	DRW MOUSR6704 20219032
=10 .	Carro	Į, ĒC LL	0.0 PSF	MO-ENG cwc/BWC
STAT	a a	€ FOT. LD.	55.0 PSF	
00 NOF	ADIS ADIS	34		
INSION	AL ENGLI	SPACI NG	24. 0"	JREF- 1WXJ6704Z02

Scale = 225"/Ft

 $0TY \cdot 2 = FI / - /1 / - / - /R / -$

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1.5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI : W5, W6, W7, W8 33W. 75x1.5 . 75x1.5-33-45KSI:

End verticals not exposed to wind pressure.

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

In lieu of rigid ceiling use purlins to brace BC @ 120" oc.

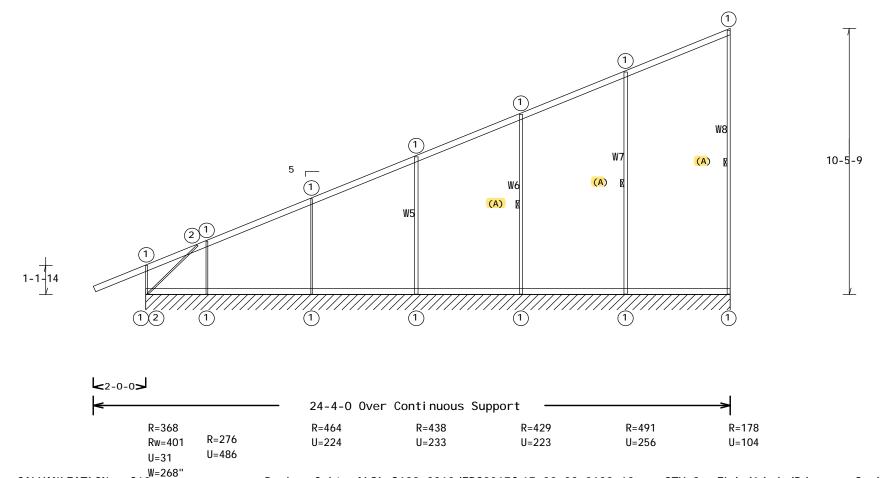
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

140 mph wind, 34.82 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

Deflection meets L/360 live and L/240 total load.



GALVANIZATION - G60RL=667/-

JETrus**Steel**

Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10 **WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

ANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

QTY: 2 FL/-/1/-/-/R/- Scale = .275"/Ft.

I MPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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For more information, refer to these websites. TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org

TC LL 20.0 PSF R6704- 84459 REF TC DL 25.0 PSF DATE 08/06/20 10.0 PSF DRW MOUSR6704 20219033 0.0 PSF MO-ENG cwc/BWC ∝**F**OT. LD 55.0 PSF SPACI NG 24.0" JREF- 1WXJ6704Z02

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI : W5, W6, W7 33W. 75x1.5 . 75x1.5-33-45KSI:

(A) Continuous Lateral Restraint (CLR) equally spaced on member.

In lieu of rigid ceiling use purlins to brace BC @ 120" oc.

Deflection meets L/360 live and L/240 total load.

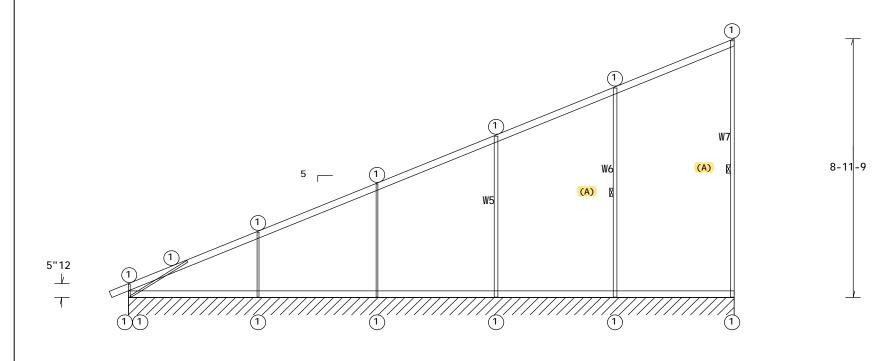
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

140 mph wind, 35.51 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.



21-0-0 Over Continuous Support R=270 R=424 R=433 R=490 R=178 R=505 U=199 U=233 U=255 U=105 U=0U = 353W=244.35"

Design Crit: ALSI S100-2012/FBC2017Com7.02.02.0123.10 GALVANI ZATI ON

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NETrus**Steel** 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 \$214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, It A seal on this drawing or cover page listing this drawing, indicates acceptance of professional enering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per 5214.

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0123. 10	QTY: 2	FL/-/1/	-/-/R/-	Scal e =. 3125"/Ft.
388888888	Tilliter	TC LL	20.0 PSF	REF R6704- 84460
IN PARTICE	NO	TC DL	25.0 PSF	DATE 08/06/20
5.0. V.	76845	BC DL	10.0 PSF	DRW MOUSR6704 20219034
Branch Branch	Carro	∰C LL	0.0 PSF	MO-ENG cwc/BWC
STAT		€FOT. LD.	55.0 PSF	
70	RIDA C	Since		
SION	AL ENGLI	SPACI NG	24. 0"	JREF- 1WXJ6704Z02

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL ČOA #0 278

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI : W6, W7 33W. 75x1.5 . 75x1.5-33-45KSI:

In lieu of rigid ceiling use purlins to brace BC @ 120" oc.

Deflection meets L/360 live and L/240 total load.

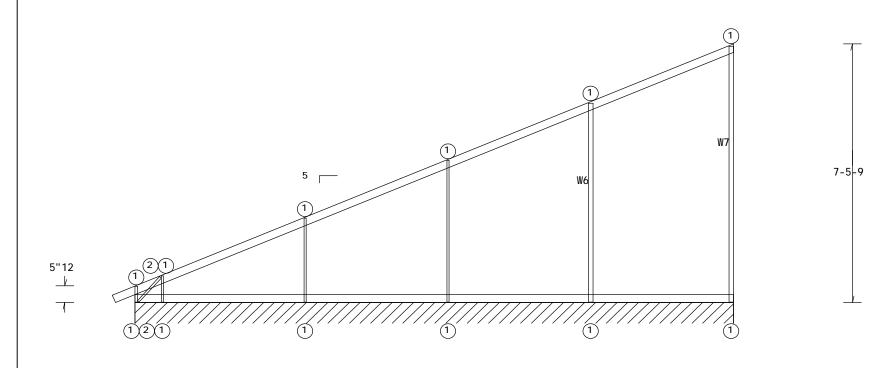
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

140 mph wind, 36.26 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.



7"11

Rw=477 R = 392R=455 U=57 U = 465U=239

17-4-13 Over Continuous Support R=423

U=224

Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10

R = 494R=178 U=260 U=107

W=201.15"

GALVANI ZATI ON RL=484/-48

NETrus**Steel**

QTY: 2 FL/-/1/-/-/R/- Scale = .375"/Ft.

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TC LL	20.0 PSF	REF R6704- 84461
TC DL	25.0 PSF	DATE 08/06/20
BC DL BC LL	10.0 PSF	DRW MOUSR6704 20219035
ÉC LL	0.0 PSF	MO-ENG cwc/BWC
	55.0 PSF	

24.0" JREF- 1WXJ6704Z02 SPACI NG

08/11/2020

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI

140 mph wind, 37.01 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 120" oc.

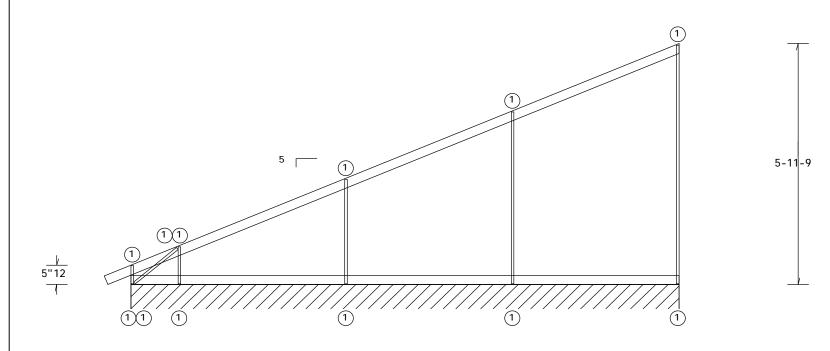
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



7" 11 13-9-10 Over Continuous Support R=36 R=364 R = 440R = 491R=177 Rw=265 U=320 U=232 U = 261U=117 U = 14W=157. 95"

GALVANIZATION RL=385/-39

JETrus**Steel**

Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10

QTY: 2 FL/-/1/-/-/R/-

Scal e = . 4375"/Ft. DEE D6704 04462

**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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TC LL	20.0 PSF	REF R6704- 84462
TC DL	25.0 PSF	DATE 08/06/20
BC DL	10.0 PSF	DRW MOUSR6704 20219036
BC LL	0.0 PSF	MO-ENG cwc/BWC
	55.0 PSF	
1877		
SPACI NG	24. 0"	JREF- 1WXJ6704Z02

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL ČOA #0 278

Top chord 28TSC2.75 1.5x2.75-28-55KSI Bot chord 28TSC2.75 1.5x2.75-28-55KSI Webs 33W.75x.75 .75x.75-33-45KSI

140 mph wind, 37.76 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 115" oc.

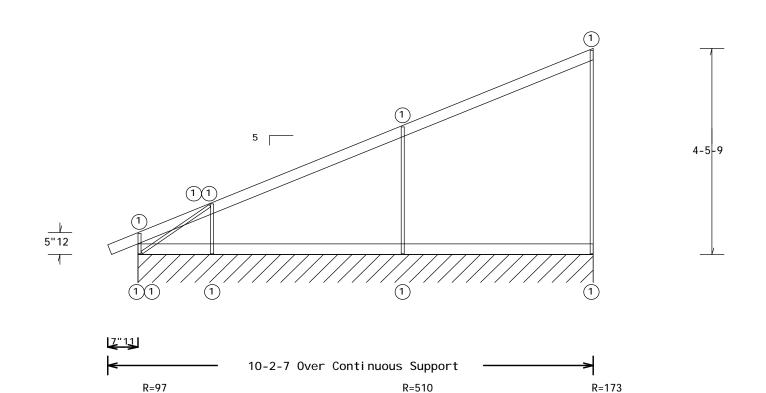
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TSO11 for details.

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



U = 454

GALVANIZATION - G60

W=114.751"

RL=430 Design Crit: AISI S100-2012/FBC2017Com7.02.02.0123.10

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R = 331

U=427

Safety Information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid ceiling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections 84.5 and 86.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any fail jure to build the truss in conformance with S214. North American Standard for

Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of truss 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 S214.

For more information, refer to these websites.

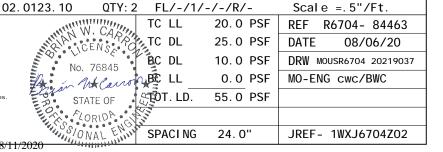
TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsei.org; AISI: www.steel.org

	systems and associated members and connec-
	Designer in accordance with AISI S214 Sec
_PINETrus Stee l	Alpine, a division of ITW Building Comp
	this drawing, any failure to build the tr
	Cold-Formed Steel Framing - Truss Design,
	A seal on this drawing or cover page II:
	engineering responsibility solely for the

Rw=187

U=0

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278



U=216

Top chord 28TSC2.75 1.5x2.75-28-55KSI Bot chord 28TSC2.75 1.5x2.75-28-55KSI Webs 33W.75x.75 .75x.75-33-45KSI

140 mph wind, 38.51 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 72" oc.

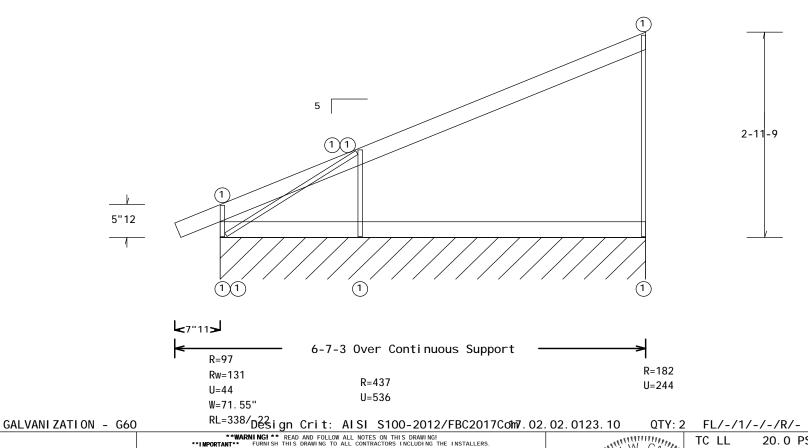
See DWG TS026, TS026A, or TS026B for the applicable valley detail.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TSO11 for details.

Wind Loads and reactions based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



ALPINE Trus Steel

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278 Safety Information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component

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M. CANIE	TC LL	20. 0 PSF	REF R6704- 84464
CENSA	TC DL	25.0 PSF	DATE 08/06/20
No. 76845	BC DL	10.0 PSF	DRW MOUSR6704 20219038
In an Macaron	ABC LL	0.0 PSF	MO-ENG cwc/BWC
STATE OF	TOT. LD.	55.0 PSF	
CORIDA CI	70.00		
MINSIONAL ENTIN	SPACI NG	24. 0"	JREF- 1WXJ6704Z02
2020			

Scale = .75"/Ft.

Top chord 33TSC2. 75 1. 5x2. 75-33-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI : W14, W15 33W. 75x1. 5 . 75x1. 5-33-45KSI:

Wind Loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Laterally Restrain Chords as follows:

Chord Type Start(ft) End(ft) Restraint SI oped TC -2.40 11. 90 Structural Panels BC 0.00 8.48 Purlins at 102" BC. 8 48 11. 90 Purlins at 41'

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

140 mph wind, 32.30 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

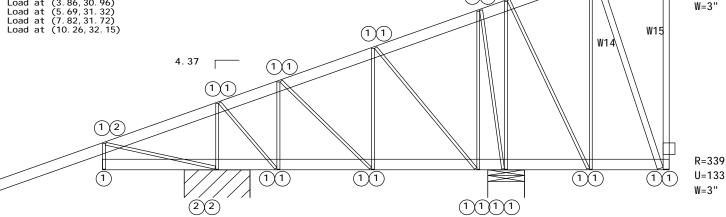
Left cantilever is not exposed to wind

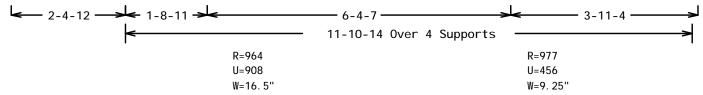
Deflection meets L/360 live and L/240 total load.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

SPECIAL LOADS

TC - From 4 PLF at -2.40 to 145 PLF at 0.00 TC - From 141 PLF at 0.00 to 358 PLF at 3.70 10 PLF at 11.90 TC - From 10 PLF at 3.70 to BC - From 10 PLF at 0.00 to 10 PLF at 11.90 76 LB Conc. Load at (3.70,30.96) -425 LB Conc. Load at (3.86,30.96) PL -PL - -93 LB Conc. Load at (5.69, 31.32) PL - 310 LB Conc. Load at (7.82, 31.72) 138 LB Conc. Load at (10.26, 32.15)





GALVANIZATION - G60

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stems and associated members and connections, including web CLR's, shall be specified by the Building
signer in accordance with AISI S214 Sections B4.5 and B6.
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For more information, refer to these websites.
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Design Crit: AISI S100-2012/FBC 2017 2000MD1.01.0601.20 QTY:1 FL/-/1/-/-/R/-Scale = .5"/Ft. W. CARPIN TC LL 20.0 PSF R6704- 84465 REF TC DL 25.0 PSF DATE 08/06/20 10.0 PSF DRW MOUSR6704 20219048 0.0 PSF MO-ENG cwc/BWC ∰OT. LD 55.0 PSF REV **SPACING** JREF- 1WXJ6704Z02 24.0"

R=35

U=46

4-10-4-11-0

.PÎNETrus**Stee**l

Top chord 33TSC2. 75 1. 5x2. 75-33-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI Webs 33W. 75x. 75 . 75x. 75-33-45KSI : W12, W13 33W. 75x1. 5 . 75x1. 5-33-45KSI:

Special Loads

TC: From 0 plf at -2.40 to 357 plf at 3.70 TC: From 10 plf at 3.70 to 10 plf at 11.90 4 plf at -2.40 to 4 plf at 0.00 BC: From 10 plf at 0.00 to 10 plf at 11.90 BC: From PL: 75.80 lb Conc. Load at (3.70, 30.96) PL: -425.03 lb Conc. Load at (3.86, 30.96) PL: -92.55 lb Conc. Load at (5.69, 31.32) PL: 309.66 lb Conc. Load at (7.82, 31.72) PL: 46.30 lb Conc. Load at (7.97, 31.72) PL: 138.09 lb Conc. Load at (10.26, 32.15)

Deflection meets L/360 live and L/240 total load.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

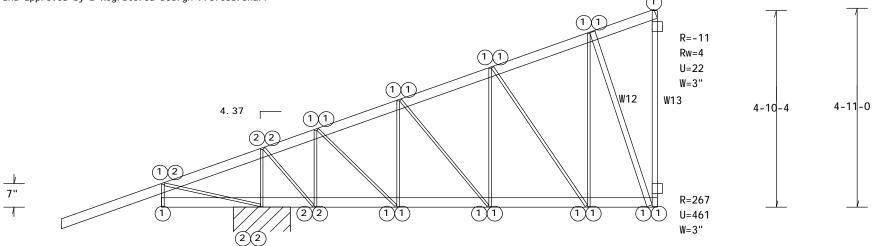
140 mph wind, 32.30 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

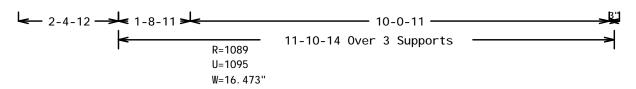
Wind Loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Left cantilever is not exposed to wind

Laterally Restrain Chords as follows: Chord Type Start(ft) End(ft) Restraint Sloped TC -2.40 11. 90 Structural Panels BC 0.00 2.41 Purlins at 29" 2.41 11.90 Purlins at 114" NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.





GALVANIZATION - G60

Restraint
Design Crit: AISI S100-2012/FBC 2017 2000M01.01.0601.20 **WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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29999999	Calle	TC LL	20.0 PSF	REF R6704- 84466
A STAN	ENSO	TC DL	25.0 PSF	DATE 08/06/20
NO.	76845	BC DL	10.0 PSF	DRW MOUSR6704 20219046
	* Carron	BÉC LL	0.0 PSF	MO-ENG cwc/BWC
Part of the	TE OF	ETOT. LD.	55.0 PSF	REV
200	RIDA	74		
11,0810N	AL ENLINE	SPACI NG	24. 0"	JREF- 1WXJ6704Z02
/2020	111111			

Scale = 4375"/Ft

 $0TY \cdot 3 = FI / - /1 / - / - /R / -$

JETrus**Steel**l

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI

140 mph wind, 32.38 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Left cantilever is not exposed to wind

Deflection meets L/360 live and L/240 total load.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

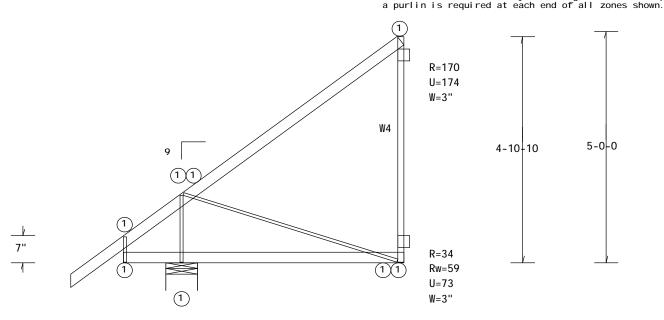
Wind Loads and reactions based on both MWFRS and C&C.

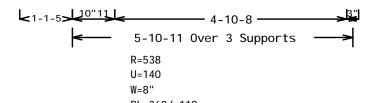
End verticals not exposed to wind pressure.

Laterally Restrain Chords as follows:

Chord Type Start(ft) End(ft) Restraint SI oped TC 5.89 Structural Panels -1. 11 BC 0.00 1. 22 Purlins at 15"

BC 1. 22 5.89 Purlins at 56" NOTE: Unless restrained by a bearing or structural panels,





GALVANIZATION - G60

Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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 5214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, It

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional enering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per \$214.

For more information, refer to these websites. TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsei.org; AISI: www.steel.org

RL=360/-119 Desigp Criat: AISI S100-2012/FBC2017Com7.02.	02. 0123. 10 QTY: 1	3 FL/-/1/	-/-/R/-	Scale = .5"/Ft.
WARNING! ** RÉAD AND FOLLOW ALL NOTES ON THIS DRAWING! **IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.	ASSESSED OF THE PARTY OF THE PA	TC LL	20.0 PSF	REF R6704- 84467
require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel ulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component rmation, by CFSC) for safety practices prior to performing these functions. Installers shall	CENSO O	TC DL	25.0 PSF	DATE 08/06/20
porary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing associated members and connections, including web CLR's, shall be specified by the Building	No. 76845	BC DL	10.0 PSF	DRW MOUSR6704 20219039
accordance with AISI S214 Sections B4.5 and B6. division of ITW Building Components Group Inc. shall not be responsible for any deviation from	A Caro	n BiC LL	0.0 PSF	MO-ENG cwc/BWC
g, any fallure to build the truss in conformance with S214 - North American Standard for Steel Framing - Truss Design, by AlSI, or for handling, shipping, installation and bracing of truss	E Mila	ÆĒOT. LD.	55.0 PSF	
this drawing or cover page listing this drawing, indicates acceptance of professional responsibility solely for the design shown. The suitability and use of this drawing for any the responsibility of the Building Designer per S214.	NORIDA CA	VIII		
For more information, refer to these websites. : www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org	SONAL ENTIN	SPACING	24. 0"	JREF- 1WXJ6704Z02
U	8/11/2020			

NETrus**Steel**

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI

140 mph wind, 31.60 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 69" oc.

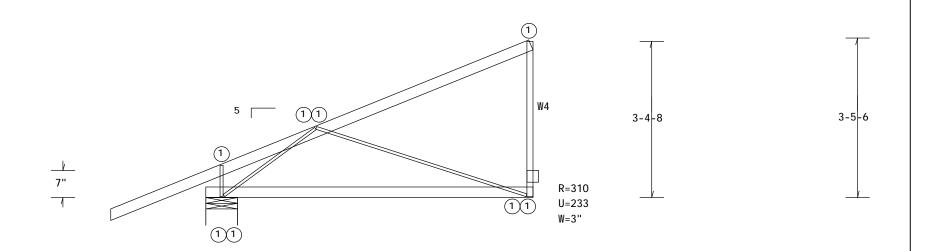
See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

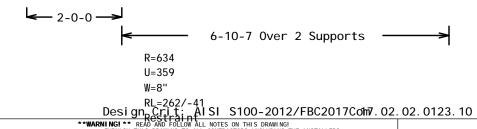
Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

Wind Loads and reactions based on both MWFRS and C&C.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.





GALVANIZATION - G60

NETrus**Steel**

FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. **I MPORTANT** Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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 \$214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, installation and bracing of t

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	1111.	TC LL	20.0 PSF	REF R6704- 84468
W. William	CARSIN	TC DL	25.0 PSF	DATE 08/06/20
STICEN	ISE ON	BC DL	10.0 PSF	DRW MOUSR6704 20219040
No. 76		BC LL	0.0 PSF	MO-ENG cwc/BWC
san Make		TOT. LD.	55.0 PSF	
STATE	OF U			
SION	ENGILL	SPACI NG	24. 0"	JREF- 1WXJ6704Z02
WHITE IN A	11111111			

Scale = 5"/Ft

 $0TY \cdot 4 = FI / - /1 / - / - /R / -$

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

Top chord 33TSC2.75 1.5x2.75-33-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI

140 mph wind, 27.18 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 39" oc.

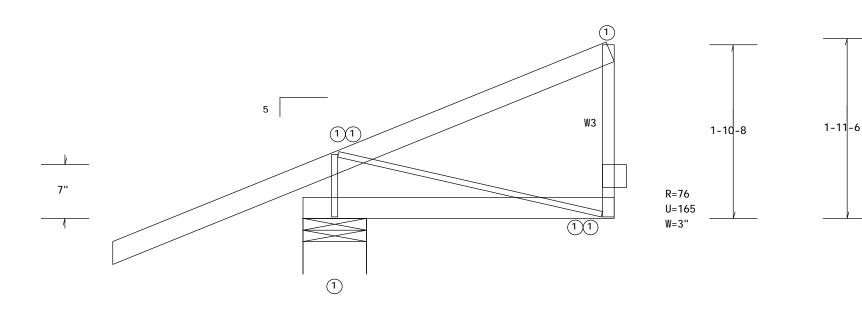
See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

Wind Loads and reactions based on both MWFRS and C&C.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



2-0-0 3-3-4 Over 2 Supports R = 472U=616 W=8" RL=295/-35

GALVANIZATION - G60

**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

ANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Design Crit: AISI S1080-5204-227/FBC2017Com7.02.02.0123.10

QTY: 4 FL/-/1/-/-/R/-

Scale =1"/Ft.



13723 Riverport Dr, Suite 200

FL COA #0 278

Maryland Heights, MO 63043

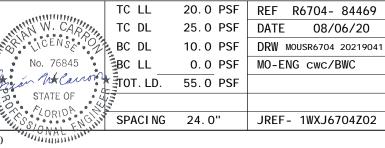
I MPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel echnical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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(S1401-Belmont Academy - (Escort Load) -- , ** - C4)

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI

140 mph wind, 32.02 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Left cantilever is not exposed to wind

Deflection meets L/360 live and L/240 total load.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

Wind Loads and reactions based on both MWFRS and C&C.

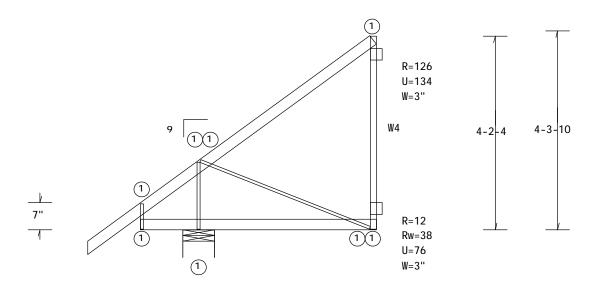
End verticals not exposed to wind pressure.

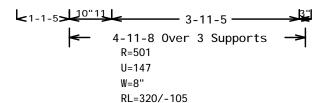
Laterally Restrain Chords as follows:

Chord Type Start(ft) End(ft) Restraint SI oped TC 4.96 Structural Panels -1. 11

BC 0.00 1. 22 Purlins at 15" BC 1. 22 4.96 Purlins at 45"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.





GALVANIZATION - G60

JETrus**Steel**

Designestonaint AISI \$100-2012/FBC2017Com7.02.02.0123.10

 $0TY \cdot 4 = FI / - /1 / - / - /R / -$

Scale = 5"/Ft

**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 TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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 \$214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AlSI, or for handling, shipping, It

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TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org

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	1111.	TC LL	20.0 PSF	REF R6704- 84470
W. William	CARS	TC DL	25.0 PSF	DATE 08/06/20
IN LICE!	VSE ON	BC DL	10.0 PSF	DRW MOUSR6704 20219042
No. 76	0.	BC LL	0.0 PSF	MO-ENG cwc/BWC
Essan W		TOT. LD.	55.0 PSF	
STATE	OF	111		
LOR'S	ENGIN	SPACI NG	24. 0"	JREF- 1WXJ6704Z02

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

William Wall

(S1401-Bel mont Academy - (Escort Load) -- , ** - C3)

Top chord 28TSC2.75 1.5x2.75-28-55KSI Bot chord 28TSC2.75 1.5x2.75-28-55KSI

Webs 33W. 75x. 75 . . 75x. 75-33-45KSI : W4 33W. 75x1. 5 . . 75x1. 5-33-45KSI:

140 mph wind, 31.61 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Left cantilever is not exposed to wind

Deflection meets L/360 live and L/240 total load.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TSO11 for details.

Wind Loads and reactions based on both MWFRS and C&C.

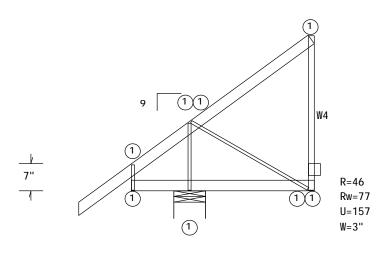
End verticals not exposed to wind pressure.

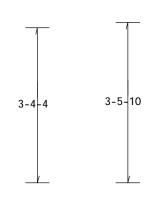
Laterally Restrain Chords as follows:

Chord Type Start(ft) End(ft) Restraint Sloped TC -1.11 3.85 Structural Panels

BC 0.00 1.22 Purlins at 15" BC 1.22 3.85 Purlins at 31"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.





GALVANIZATION - G60

DesigResChriat nt AISI \$100-2012/FBC2017Com7.02.02.0123.10

QTY: 4 FL/-/1/-/-/R/- Sc

Scale = $5^{\circ}/\text{Ft}$.

**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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NETrusStee

| 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 \$214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of truss

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*******	11111111	TC LL	20.0 PSF	REF R6704- 84471
ALLEIAN W.	CARRI	TC DL	25.0 PSF	DATE 08/06/20
20° V		BC DL	10.0 PSF	DRW MOUSR6704 20219043
No. 7	6845 ·	BC LL	0.0 PSF	MO-ENG cwc/BWC
STAT		्रॅं इ 0T. LD.	55.0 PSF	
A ALOR	AOIS	Yru,		
ISSION	ENGIN	SPACI NG	24. 0"	JREF- 1WXJ6704Z02

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

08/11/2020

1/2020

Top chord 28TSC2.75 1.5x2.75-28-55KSI Bot chord 28TSC2.75 1.5x2.75-28-55KSI

Webs 33W. 75x. 75 . . 75x. 75-33-45KSI : W4 33W. 75x1. 5 . . 75x1. 5-33-45KSI:

140 mph wind, 31.19 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Left cantilever is not exposed to wind

Deflection meets L/360 live and L/240 total load.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TSO11 for details.

Wind Loads and reactions based on both MWFRS and C&C.

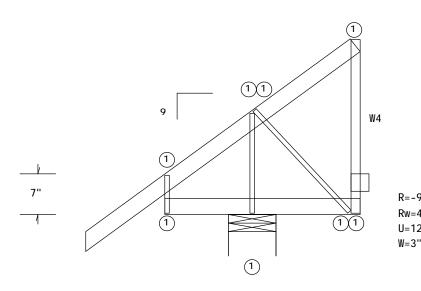
End verticals not exposed to wind pressure.

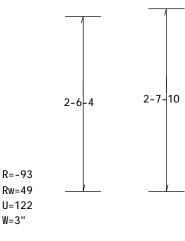
Laterally Restrain Chords as follows:

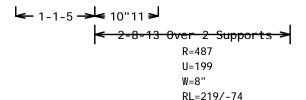
Chord Type Start(ft) End(ft) Restraint Sloped TC -1.11 2.73 Structural Panels

BC 0.00 1.22 Purlins at 15" BC 1.22 2.73 Purlins at 18"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.







GALVANIZATION - G60

JETrus**Steel**

Design Crit: AdsStraSit00-2012/FBC2017Cotn7.02.02.0123.10

QTY: 4 FL/-/1/-/-/R/-

Scal e = . 75"/Ft.

**WARNI NG! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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*******	IIIIIIII	TC LL	20.0 PSF	REF R6704- 84472
Marie W.	CARA	TC DL	25.0 PSF	DATE 08/06/20
E PARLICE		BC DL	10.0 PSF	DRW MOUSR6704 20219044
No. 7	6845 ·	BC LL	0.0 PSF	MO-ENG cwc/BWC
STAT		₹OT. LD.	55.0 PSF	
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	ADP.	N. S.		
SION	AL ENGIN	SPACI NG	24. 0"	JREF- 1WXJ6704Z02

13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

MINISTER,

Top chord 28TSC2. 75 1. 5x2. 75-28-55KSI Bot chord 28TSC2. 75 1. 5x2. 75-28-55KSI

140 mph wind, 30.86 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Left cantilever is not exposed to wind

Deflection meets L/360 live and L/240 total load.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

Fasteners=14AMD. Circles show the min. no. of blue 14AMDB1.25 fasteners and squares show the min. no. of red 14AMDR1.5 fasteners per member. See DWG. TS011 for details.

Wind Loads and reactions based on both MWFRS and C&C.

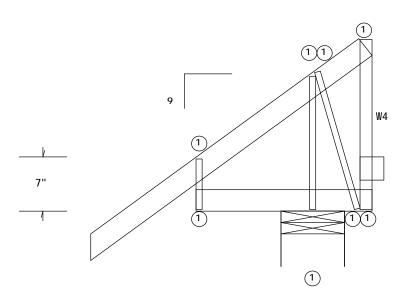
End verticals not exposed to wind pressure.

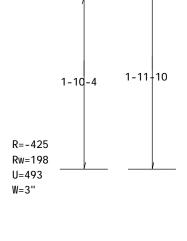
Laterally Restrain Chords as follows:

Chord Type Start(ft) End(ft) Restraint SI oped TC Structural Panels -1. 11 1.85

BC 0.00 1.22 Purlins at 15" BC 1. 22 1.85 Purlins at 7"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.





R=722

Rw=726

U = 350

W=8"

RL=178/-61

GALVANIZATION - G60

NETrus**Steel**

Design Crit: AISI S100=2012/EBC2017Com7.02.02.0123.10

**WARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

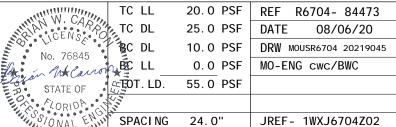
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

OTY: 4 FL/-/1/-/-/R/- Scale =1"/Ft.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel echnical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Bullding Component Safety information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and the bottom chord shall have a properly attached rigid celling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.

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 S214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of trus

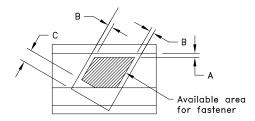
A seal on this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per \$214. For more information, refer to these websites. TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbcindustry.com; CFSEI: www.cfsel.org; AISI: www.steel.org



13723 Riverport Dr, Suite 200 Maryland Heights, MO 63043 FL COA #0 278

Fastener Placement Detail

- A Lip clearance = 5/16" (8mm) for TSC3.00 & TSC4.00 Lip clearance = 9/32" (7mm) for TSC2.75
- B Edge distance (1.0 x Fastener Dia.)
- C End distance (3.0 x Fastener Dia.)
- S Minimum fastener spacing (3.0 x Fastener Dia.)



Fastener Dia. in. (mm)

Min. fastener spacing & end distance in. (mm) Fastener edge. distance in. (mm)

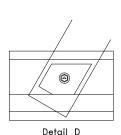
#14 d=1/4 (6)

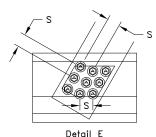
#14 S=C= 3/4 (19)

#14 B=1/4 (6)

- Detail D Recommended fastener placement for minimum fastener count: Begin placing the fastener in the center of the available area. Fastener quantity shall be specified by the approved truss drawings.
- Detail E Recommended fastener placement for multiple fastener count: Begin placing the fasteners in the center of the available area and expand toward the outer edges.

 Fastener quantity shall be specified by the approved truss drawings.





Typical Fastener Placement Sections



Single Shear Fastener



Double Shear™ Fastener

Allowable shear loads per fastener lbs. (kN) for 14AMD Double ShearTM Fasteners

TrusSteel	TrusSteel Chord Thickness						
Web Thickness	22g-28TSC	20g-33TSC	18g-43TSC	16g-54TSC	14g-68TSC	12g-97TSC	
20g-33C	582 (2.59)	688 (3.06)	783 (3.48)	886 (3.94)	886 (3.94)	886 (3.94)	
20g-33W	654 (2.91)	722 (3.21)	822 (3.66)	930 (4.14)	930 (4.14)	930 (4.14)	
18g-47W	728 (3.24)	914 (4.07)	1181 (5.25)	1264 (5.62)	1264 (5.62)	1264 (5.62)	
16g-56W	728 (3.24)	914 (4.07)	1181 (5.25)	1264 (5.62)	1264 (5.62)	1264 (5.62)	
16g-63W	728 (3.24)	914 (4.07)	1181 (5.25)	1264 (5.62)	1264 (5.62)	1264 (5.62)	

Allowable shear loads per fastener lbs. (kN) for 14AMS.75 Single Shear Fasteners

TrusSteel Web		TrusSteel Chord Thickness						
Thickness	22g-28TSC	20g-33TSC	18g-43TSC	16g-54TSC	14g-68TSC	12g-97TSC		
20g-33C	248 (1.10)	248 (1.10)	248 (1.10)	248 (1.10)	248 (1.10)	248 (1.10)		
20g-33W	252 (1.12)	252 (1.12)	252 (1.12)	252 (1.12)	252 (1.12)	252 (1.12)		
18g-47W	418 (1.86)	418 (1.86)	418 (1.86)	418 (1.86)	418 (1.86)	418 (1.86)		
16g-56W	418 (1.86)	418 (1.86)	418 (1.86)	418 (1.86)	418 (1.86)	418 (1.86)		
16g-63W	418 (1.86)	418 (1.86)	418 (1.86)	418 (1.86)	418 (1.86)	418 (1.86)		

General Notes:

- 1. 14AMD Double ShearTM Fasteners mentioned above consist of 14AMDB1.25, 14AMDR1.5, 14AMDB2.125, 14AMDR2.375 and 14AMD2.625.
- 2. 14AMD fastener values for tube (W) webs were determined by test following guidelines set forth in Chapter K of the American Iron and Steel Institute (AISI), AISI 2016 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-16). 14AMS fastener values and 14AMD fastener values for 33C1.5x1.5 were determined by calculations set forth in Chapter J4 of the American Iron and Steel Institute (AISI), AISI 2016 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-16).
- 3. The AMD and AMS fasteners are self-drilling Hex washer head screws made from 1022 carbon steel wire that is case hardened and are designed to drill through and install into TrusSteel chords and webs. The threads are a buttress type with thirteen threads per inch. They are manufactured to perform in accordance with the Society of Automotive Engineers (SAE) J78 standard for steel self-drilling tapping screws and have a zinc plated and chromate finished corrosion protection applied in accordance with ASTM F1941.

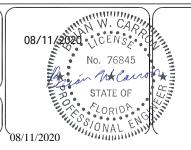


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Tube And C-Web Fastener Placement And Allowable Shear Loads

Alpine, a division of ITW Building Components Group, Inc. shall not be responsible for any performance failure in a connection due to a deviation from this detail. Any variation from this detail shall be approved in advance by Alpine, a division of ITW Building Components Group, Inc.



Standard Detail:

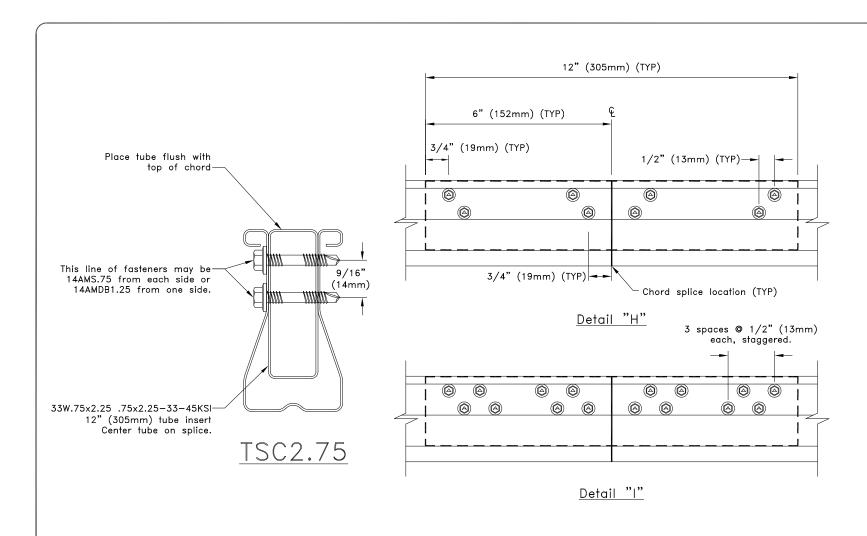
TS011

Date:

10/11/18

TrusSteel Detail Category:

Fastener Placement





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TSC2.75 Splices Using The "Tube Only" Splice

Alpine, a division of ITW Building Components Group, Inc. shall not be responsible for any performance failure in a connection due to a deviation from this detail. Any variation from this detail shall be approved in advance by Alpine, a division of ITW Building Components Group, Inc.



Standard Detail:

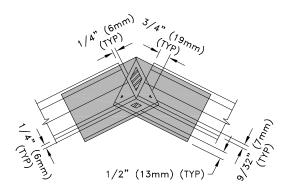
TS002A

Date:

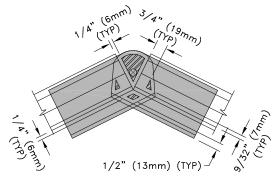
10/11/18

TrusSteel Detail Category:

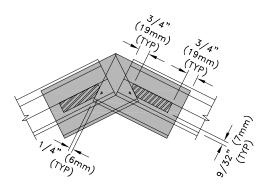
Chord Splices



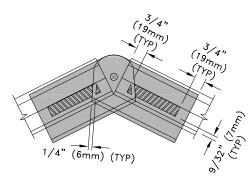
Fasteners Through The Lapped Area 33TSBUC3.5 or 43TSBUC3.5 Bent-U Pitch Break Connector



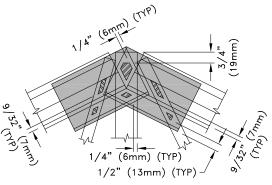
Fasteners Through The Lapped Area 33TSHC3.5K or 43TSHC3.5K Hinged Pitch Break Connector



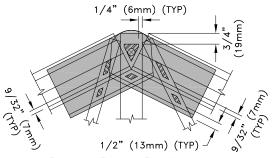
Fasteners Through The Chord Area 33TSBUC3.5 or 43TSBUC3.5 Bent-U Pitch Break Connector



Fasteners Through The Chord Area 33TSHC3.5K or 43TSHC3.5K Hinged Pitch Break Connector



Fasteners Through The Web Area 33TSBUC3.5 or 43TSBUC3.5 Bent-U Pitch Break Connector



Fasteners Through The Web Area 33TSHC3.5K or 43TSHC3.5K Hinged Pitch Break Connector

General Notes:

- 1. Fastener spacing and end distance is 3/4" (19mm) minimum, except as shown.
- Refer to approved truss drawings for required fastener type and quantities for each fastener contact area.
- Fastener contact areas that coincide with other contact areas may use a common fastener for both areas. This will result in a reduction in the total number of fasteners required at the pitch break joint.
- 4. Fastener contact area.



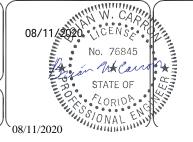
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TSC2.75 Pitch Break Connector Fastener Contact Areas

Alpine, a division of ITW Building Components Group, Inc. shall not be responsible for any performance failure in a connection due to a deviation from this detail. Any variation from this detail shall be approved in advance by Alpine, a division of ITW Building Components Group, Inc.



Standard Detail:

TS004

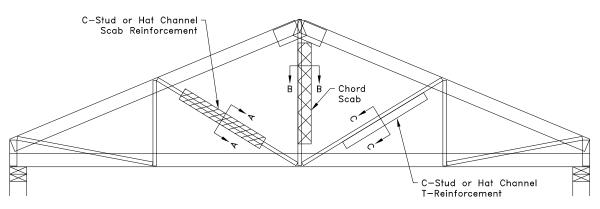
Date:

10/11/18

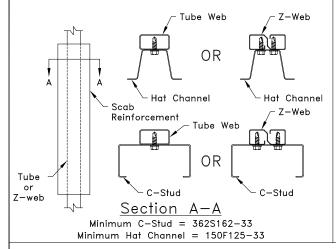
TrusSteel Detail Category:

Pitch Break Connections

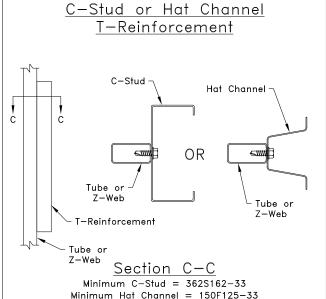
<u>Different Types of Web Reinforcements Shown on TrusSteel Drawings</u>



C—Stud or Hat Channel Scab Reinforcement



Chord Scab TSC2.75 Chord Scab Chord Scab Web Chord Scab TSC3.00 Chord Scab Not Applicable with Ż-Web Tube Web TSC4.00 TSC4.00 Chord Scab Chord Scab Tube or Z-web Tube Web Section B-B Minimum chord scab = 28TSC2.75 for .75" (19mm) wide webs Minimum chord scab = 28TSC3.00 or 28TSC4.00 for 1.5" (38mm) wide webs



NOTICE

The details on this page are generic installation guides only. See approved truss drawings for specific reinforcement material, size and connection requirements per ply. Web reinforcements called out on the approved truss drawings shall NOT be substituted for a different reinforcement type unless approved by a TrusSteel engineer.

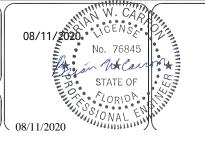
ALPINE TrusSteel

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General Web Reinforcement Guidelines

Alpine, a division of ITW Building Components Group, Inc. shall not be responsible for any performance failure in a connection due to a deviation from this detail. Any variation from this detail shall be approved in advance by Alpine, a division of ITW Building Components Group, Inc.



Standard Detail:

TS019

Date:

10/11/18

TrusSteel Detail Category:

Reinforcement

Wind Criteria:

ASCE 7-05, ASCE 7-10 or ASCE 7-16

Enclosed building

30' (9144mm) mean height

CAT III & IV. EXP C

No speed-up increase factor taken for topographic effects; $K_{zt} = 1.0$

Top chord live load = 40 psf (1.92 kN/m^2)

Top chord dead load = 10 psf (0.48 kN/m^2)

Double Stud Cross Section

Wind dead load = 5 psf (0.24 kN/m^2)

Soffit load on overhang off of gable face = 10 psf (0.48 kN/m^2)

Max weight on face of gable = 10 psf (0.48 kN/m^2)

(2) #10SDS @ 6"

(152mm) O.C. (TYP)

362S162-33

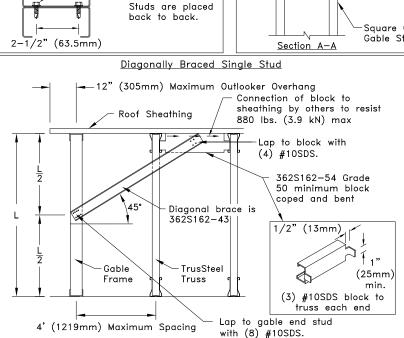
362S162—33 Stud Maximum Lengths							
		0 MPH (49 m/s)	ASCE 7-05 - 15	60 MPH (67 m/s)			
Windspeed:	ASCE 7-10 - 14	0 MPH (62 m/s)	ASCE 7-10 - 19	0 MPH (85 m/s)			
	ASCE 7-16 - 14	0 MPH (62 m/s)	ASCE 7-16 - 19	0 MPH (85 m/s)			
Gable Stud Spacing:	16" (407mm) 0.C.	24" (610mm) 0.C.	16" (407mm) O.C.	24" (610mm) 0.C.			
Unbraced Single Stud	6'6" (1981mm)	5'6" (1676mm)	4'9" (1448mm)	3'0" (914mm)			
Diagonally Braced Single Stud	13'3" (4039mm)	11'6" (3505mm)	10'6" (3200mm)	8'0" (2438mm)			
Unbraced Double Stud	8'6" (2591mm)	7'6" (2286mm)	7'0" (2134mm)	6'0" (1829mm)			

Deflection Criteria Note: Unbraced Single Stud values meet L/450 max,

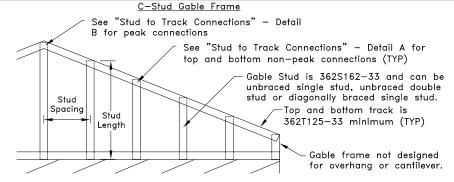
Diagonally Braced Single Stud values meet L/2100 max

Unbraced Double Stud values meet L/390 max.

Stud to Track Connections



Detail A Detail B Top Track Top Track (2) #10SDS per face per track (TYP) (2) #10SDS per face (TYP) (3) #10SDS per face required for 150 MPH (67 m/s) with 24" (610mm) O.C. Stud spacing Square Cut Sauare Cut Gable Stud Gable Stud



General Notes:

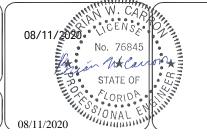
- 1. SDS = Self-Drilling Tapping Screw
- 2. Screw spacing is 9/16" (14.3mm) minimum.
- 3. Screw edge distance is 1/4" (6.4mm) and end distance is 3/8" (9.5mm) minimum.
- 4. The gable end frame is assumed to be supported vertically, horizontally and laterally along its entire length. The building designer is responsible for the design of the support wall, the ceiling and roof diaphragm, connection of the gable frame to these supports, and transfer of in-plane shear loads.
- 5. Intended for use with TrusSteel roof truss systems only.
- 6. Gable stud web is perpendicular to the length of the track.
- 7. Cold-Formed Steel Calculations are per the AISI 2016 "North American Specification for the Design of Cold-Formed Steel Structural Members" (S100-16) and AISI 2015 "North American Standard for Cold-Formed Steel Structural Framing" (S240-15).

4LPINE TrusSteel 3-5/8" C-Stud Gable Framing

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Alpine, a division of ITW Building Components Group, Inc. shall not be responsible for any performance failure in a connection due to a deviation from this detail. Any variation from this detail shall be approved in advance by Alpine, a division of ITW Building Components Group, Inc.



Standard Detail:

TS013

Date:

10/11/18

TrusSteel Detail Category:

Gable Framing

Wind Criteria:

ASCE 7-05, ASCE 7-10 or ASCE 7-16

Enclosed building

30' (9144mm) mean height

CAT III & IV, EXP C

No speed-up increase factor taken for topographic effects; $K_{zt} = 1.0$

Max Loading:

Top chord live load = 40 psf (1.92 kN/m^2)

Top chord dead load = 10 psf (0.48 kN/m^2)

Wind dead load = 5 psf (0.24 kN/m^2)

Soffit load on overhang off of gable face = 10 psf (0.48 kN/m^2)

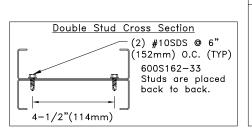
Max weight on face of gable = 10 psf (0.48 kN/m^2)

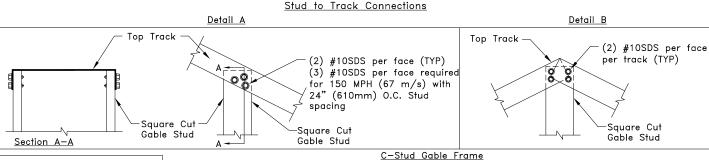
600S162-33 Stud Maximum Lengths							
		0 MPH (49 m/s)	ASCE 7-05 - 15				
Windspeed:		10 MPH (62 m/s)	ASCE 7-10 - 19	0 MPH (85 m/s)			
	ASCE 7-16 - 14	10 MPH (62 m/s)	ASCE 7-16 - 19	0 MPH (85 m/s)			
Gable Stud Spacing:	16" (407mm) 0.C.	24" (610mm) 0.C.	16" (407mm) O.C.	24" (610mm) O.C.			
Unbraced Single Stud	7'9" (2362mm)	5'6" (1676mm)	4'3" (1295mm)	2'9" (838mm)			
Diagonally Braced Single Stud	15'9" (4801mm)	14'0" (4267mm)	12'0" (3658mm)	8'0" (2438mm)			
Unbraced Double Stud	9'9" (2972mm)	8'9" (2667mm)	8'3" (2515mm)	6'0" (1829mm)			

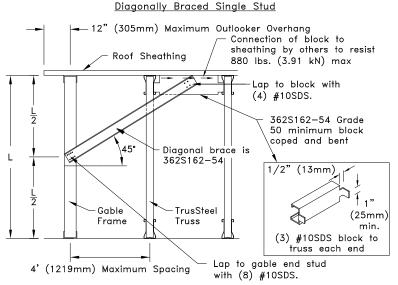
Deflection Criteria Note: Unbraced Single Stud values meet L/870 max,

Diagonally Braced Single Stud values meet L/4200 max

Unbraced Double Stud values meet L/780 max.







See "Stud to Track Connections" — Detail B for peak connections See "Stud to Track Connections" — Detail A for top and bottom non—peak connections (TYP) Gable Stud is 600S162—33 and can be unbraced single stud, unbraced double stud or diagonally braced single stud. Top and bottom track is 600T125—33 minimum (TYP) Gable frame not designed for overhang or cantilever.

General Notes:

1. SDS = Self-Drilling Tapping Screw

- 2. Screw spacing is 9/16" (14.3mm) minimum.
- 3. Screw edge distance is 1/4" (6.4mm) and end distance is 3/8" (9.5mm) minimum.
- 4. The gable end frame is assumed to be supported vertically, horizontally and laterally along its entire length. The building designer is responsible for the design of the support wall, the ceiling and roof diaphragm, connection of the gable frame to these supports, and transfer of in—plane shear loads.
- 5. Intended for use with TrusSteel roof truss systems only.
- 6. Gable stud web is perpendicular to the length of the track.
- Cold-Formed Steel Calculations are per the AISI 2016 "North American Specification for the Design of Cold-Formed Steel Structural Members" (S100-16) and AISI 2015 "North American Standard for Cold-Formed Steel Structural Framing" (S240-15).



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6" C-Stud Gable Framing

Alpine, a division of ITW Building Components Group, Inc. shall not be responsible for any performance failure in a connection due to a deviation from this detail. Any variation from this detail shall be approved in advance by Alpine, a division of ITW Building Components Group, Inc.



Standard Detail:

TS014

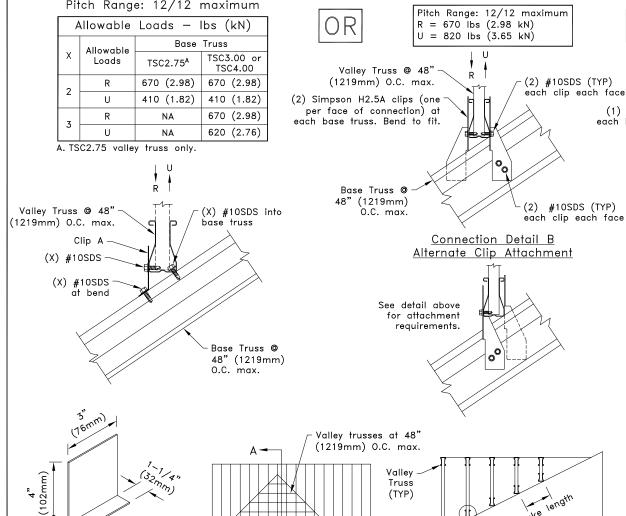
Date:

10/11/18

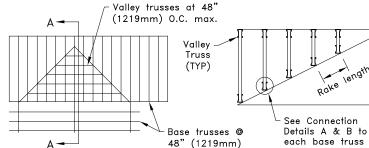
TrusSteel Detail Category:

Gable Framing

Connection Detail A Pitch Range: 12/12 maximum

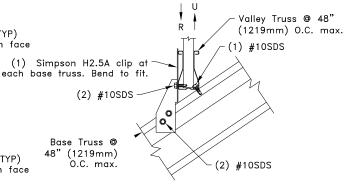


Partial Framing Plan

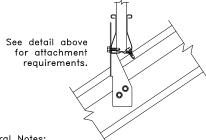


Connection Detail C

Pitch Range: 9/12 maximum R = 670 lbs (2.98 kN)U = 320 lbs (1.42 kN)



Connection Detail C Alternate Clip Attachment



General Notes:

- 1. SDS = Self-Drilling Tapping Screw. Screw spacing, edge distance and end distance is 9/16" (14mm) minimum.
- 2. X refers to required number of screws at location.
- 3. Refer to approved bracing design for required bracing material and connections.
- 4. Properly attached valley trusses may be used in lieu of purlins if the top chord of the supporting truss has been designed with purlins at O.C. spacing equal to the rake length between valley trusses as shown in the Section A-A.
- 5. Refer to approved truss drawings for valley truss designs. Valley truss bottom chord panels not to exceed 4'0" (1219mm). Web in valley truss should be located at connection.
- 6. R refers to vertical reaction and U refers to uplift.
- 7. It is permissible to substitute an equal alternative for the Simpson Strong—Tie hardware specified on this detail.
- 8. Cold-Formed Steel Calculations are per the AISI 2016 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-16).

.PINE TrusSteel[®]

18a ASTM A653 SS Grade 33 G60

Bare Metal Thickness = 0.0428"

(1.087mm)

Bend clip to roof pitch.

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TrusSteel Valley Truss Connection to Base Truss

Section A-A

Connection Detail B

Alpine, a division of ITW Building Components Group, Inc. shall not be responsible for any performance failure in a connection due to a deviation from this detail. Any variation from this detail shall be approved in advance by Alpine, a division of ITW Building Components Group, Inc.



Standard Detail:

TS026

Date:

10/11/18

TrusSteel Detail Category:

Valley Set