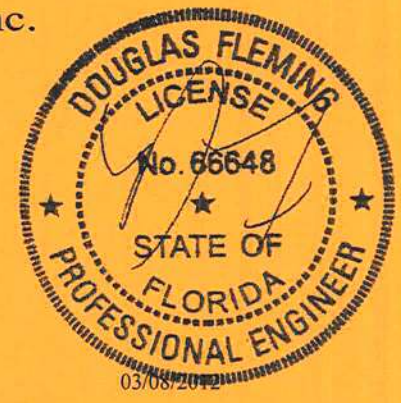


30046

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1UK8487-Z0108161937



Truss Fabricator: Anderson Truss Company
Job Identification: 12-049--Fill in later BRYAN ZECHER/KOCH -- , **
Truss Count: 45
Model Code: Florida Building Code
Truss Criteria: FBC2010Res/TPI-2007(STD)
Engineering Software: Alpine Software, Version 10.03.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 120 MPH ASCE 7-10 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

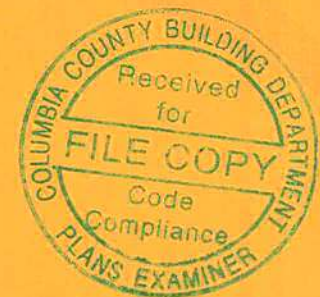
Douglas Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: CNNAILSP-BRCLBSUB-12015EC1-GBLLETIN-GABRST10-

#	Ref	Description	Drawing#	Date
1	44470--F7A		12068001	03/08/12
2	44471--HM9A		12068002	03/08/12
3	44472--H11A		12068003	03/08/12
4	44473--H13A		12068004	03/08/12
5	44474--H15A		12068005	03/08/12
6	44475--H17A		12068006	03/08/12
7	44476--H19A		12068007	03/08/12
8	44477--H21A		12068008	03/08/12
9	44478--A		12068009	03/08/12
10	44479--AS		12068010	03/08/12
11	44480--H13AT		12068011	03/08/12
12	44481--H15AS		12068012	03/08/12
13	44482--H9AT		12068013	03/08/12
14	44483--H11AT		12068014	03/08/12
15	44484--H17AT		12068015	03/08/12
16	44485--H19AT		12068016	03/08/12
17	44486--H21AT		12068017	03/08/12
18	44487--AT		12068018	03/08/12
19	44488--AT1		12068019	03/08/12
20	44489--B		12068020	03/08/12
21	44490--B1		12068021	03/08/12
22	44491--BGE		12068022	03/08/12
23	44492--CGE		12068023	03/08/12
24	44493--C		12068024	03/08/12
25	44494--C1		12068025	03/08/12
26	44495--H5D		12068026	03/08/12
27	44496--D		12068027	03/08/12
28	44497--DG		12068028	03/08/12
29	44498--E		12068029	03/08/12
30	44499--EG		12068030	03/08/12
31	44500--F5F		12068031	03/08/12
32	44501--F7F		12068032	03/08/12
33	44502--CJ1		12068033	03/08/12
34	44503--CJ3T		12068034	03/08/12
35	44504--CJ5T		12068035	03/08/12
36	44505--CJ7T		12068036	03/08/12

#	Ref	Description	Drawing#	Date
37	44506--EJ9T		12068037	03/08/12
38	44507--EJ9		12068038	03/08/12
39	44508--CJ3		12068039	03/08/12
40	44509--CJ5		12068040	03/08/12
41	44510--EJ7		12068041	03/08/12
42	44511--EJ7D		12068042	03/08/12
43	44512--HJ9		12068043	03/08/12
44	44513--HJ9T		12068044	03/08/12
45	44514--HJ5		12068045	03/08/12



(12-049--F111 In later BRYAN ZECHER/KOCH --, ** - F7A)

Top chord 2x6 SP SS :T1 2x6 SP #2: :T2 2x4 SP M-30:
 :T5 2x6 SP #1 Dense:
 Bot chord 2x6 SP SS :B1 2x6 SP #1 Dense:
 Webs 2x4 SP #3 :W2, W6, W12, W14 2x4 SP M-30:

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
 GCp1 (+/-)=0.18

End verticals not exposed to wind pressure.

Max JT VERT DEF: LL: 0.58" DL: 0.92" recommended camber 1 1/2"

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

Brg blocks: 0.131"x3" nails
 brg x-loc #blocks length/blk #nails/blk wall plate
 2 39.500' 1 12" 4 Rigid Surface
 Brg block to be same size and species as bottom chord.
 Refer to drawing CNAALSP0109 for more information.

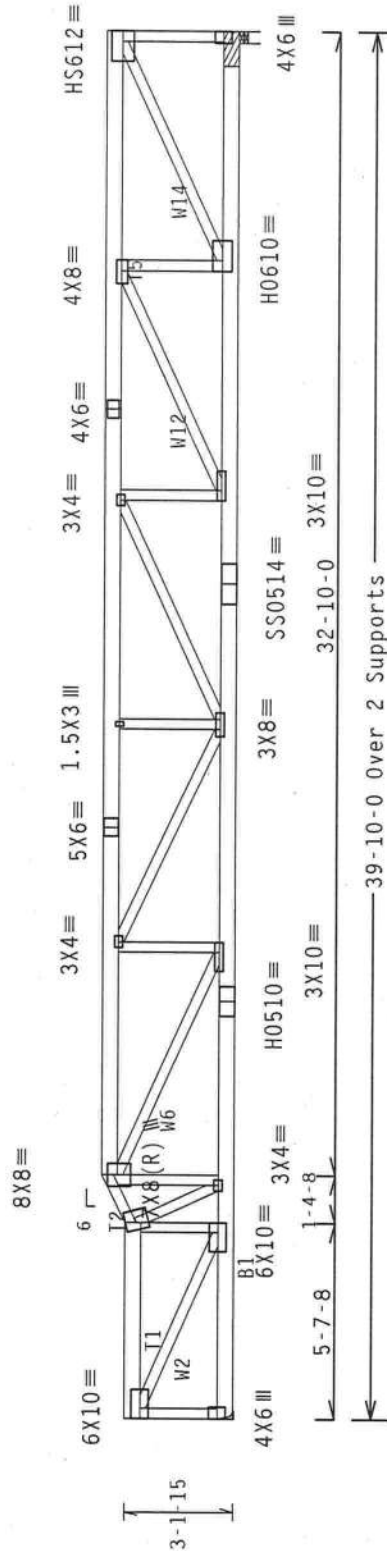
Wind loads and reactions based on MWFRS with additional C&C member design.

Calculated horizontal deflection is 0.10" due to live load and 0.16" due to dead load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Girder supports 7-0-0 span to TC/BC split one face and 2-0-0 span to TC/BC split opposite face.

Calculated vertical deflection is 0.58" due to live load and 0.92" due to dead load at X = 19-11-14.



R-3691 U-0 H-Simpson HGUS26
 Supported Member Face: (8) 0.148"x3" nails
 Supporting Member Face: (20) 0.148"x3" nails
 Supporting Member : (2) 2x6 SP #2

R-3691 U-0 W-4"

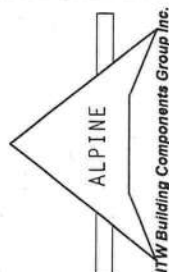
PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2010Res/TPI-2007 (STD)
 Wave FT/RT=10% (0%)/0(0)

Scale = .1875" / Ft.



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Institute) Manual for proper erection and bracing practices prior to performing these functions. Installers shall provide temporary bracing for all trusses unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
 ITH Building Components Group Inc. (ITHBCG) shall not be responsible for any deviation from the details, unless noted otherwise. Apply plates to each face of truss and position as shown above and on the Job. Responsibility for proper erection, bracing, and installation of trusses shall remain with the contractor. ITHBCG's responsibility for the design, manufacture and installation of trusses shall be limited to the general notes page: ITH-BCG: www.ithbcg.com; IPI: www.tpiinst.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	FL/-/4/-/-/R/-	REF	R487--	44470
TC DL	10.0 PSF		DATE	03/08/12	
BC DL	10.0 PSF		DRW	HCUSR487	12068001
BC LL	0.0 PSF		HC-ENG	DF/DF	
TOT.LD.	40.0 PSF		SEQN-	274464	
DUR.FAC.	1.25		JREF-	1UK8487_Z01	
SPACING	24.0"				



(12-049--F111) In later BRYAN ZECHE/KOCH -- ** - H11A)

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP #3

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(a) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

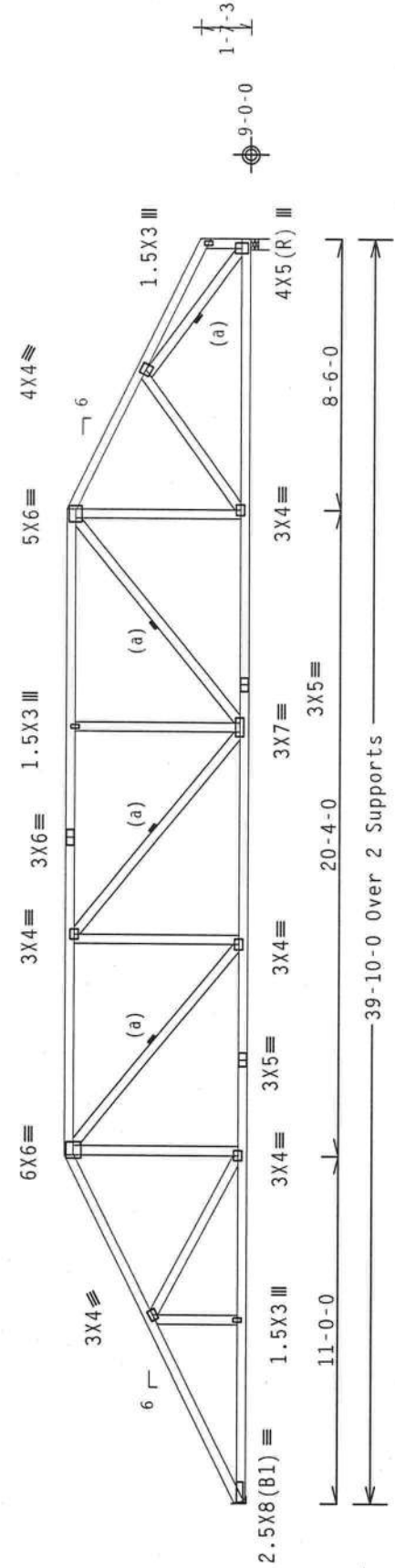
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. 6Cp1(+/-)-0.18

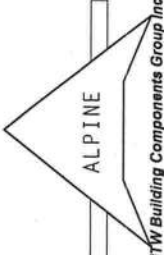

Wind loads and reactions based on MWFRS with additional C&C member design.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R-1646 U-0
RL-80/-72 H-Simpson HUS26
Supported Member Face: (4) 0.162"x3.5" nails
Supporting Member Face: (14) 0.162"x3.5" nails
Supporting Member: (1) 2x6 SP #2
Design Crit: FBC2010Res/TPI-2007 (STD)
F/T/RT=10%(0%)/0(0)

PLT TYP. Wave	Scale = .1875" / Ft.	
	REF R487 --	44472
 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	TC LL	20.0 PSF
	TC DL	10.0 PSF
	BC DL	10.0 PSF
	BC LL	0.0 PSF
TOT.LD.		40.0 PSF
DUR.FAC.		1.25
SPACING		24.0"

(12-049--Fill in later BRYAN ZECHER/KOCH -- ** - H15A)

Top chord 2x4 SP M-30
 Bot chord 2x4 SP M-30
 Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

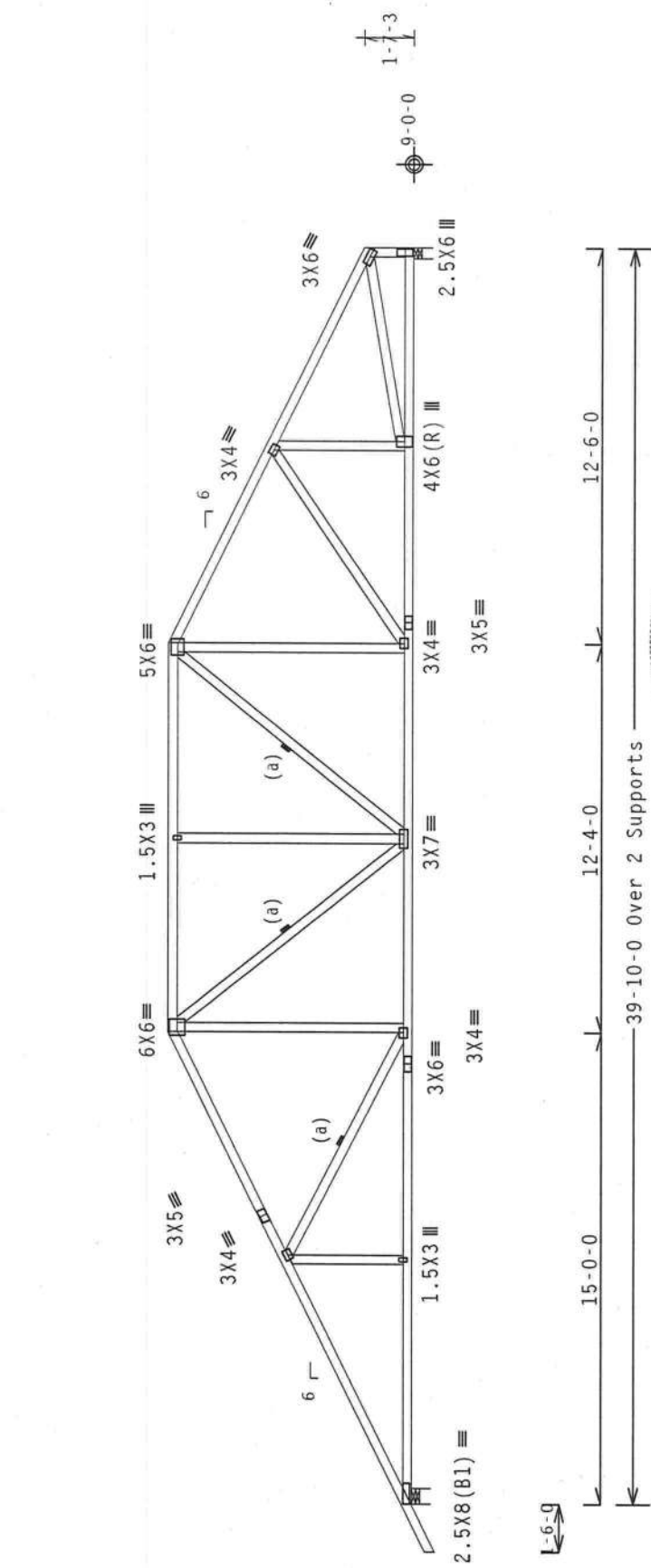
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $G_{Cp1} (+/-) = 0.18$

Wind loads and reactions based on MMFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



R-1749 U-0 W-6"
 RL-119/-117

39-10-0 Over 2 Supports

R-1632 U-0 W-4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STD)
 FT/RT=10%(0%)/0(0)

Scale = .1875" / Ft.
 REF R487 -- 44474
 DATE 03/08/12
 DRW HCUSR487 12088005
 HC-ENG DF/DF
 SEQN- 274519
 JREF- 1UK8487_Z01

ALPINE
 ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSP (Building Component Safety Information, by TPI and WCA) for details on proper handling, shipping, installation and bracing. Trusses shall be braced in accordance with the drawings and the BCSP. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint devices shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information see: www.ansi.org or www.itwbcg.com; www.tpinet.org; www.bcspindustry.com; www.tccsafe.org

DOUGLAS FLEMING
 LICENSE
 No. 06648
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 03/08/2012

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -
TC DL	10.0 PSF	
BC DL	10.0 PSF	
BC LL	0.0 PSF	
TOT. LD.	40.0 PSF	
DUR. FAC.	1.25	
SPACING	24.0"	

(12-049--Fill in later BRYAN ZECHER/KOCH -- ** -- H19A)

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.08" due to live load and 0.21" due to dead load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

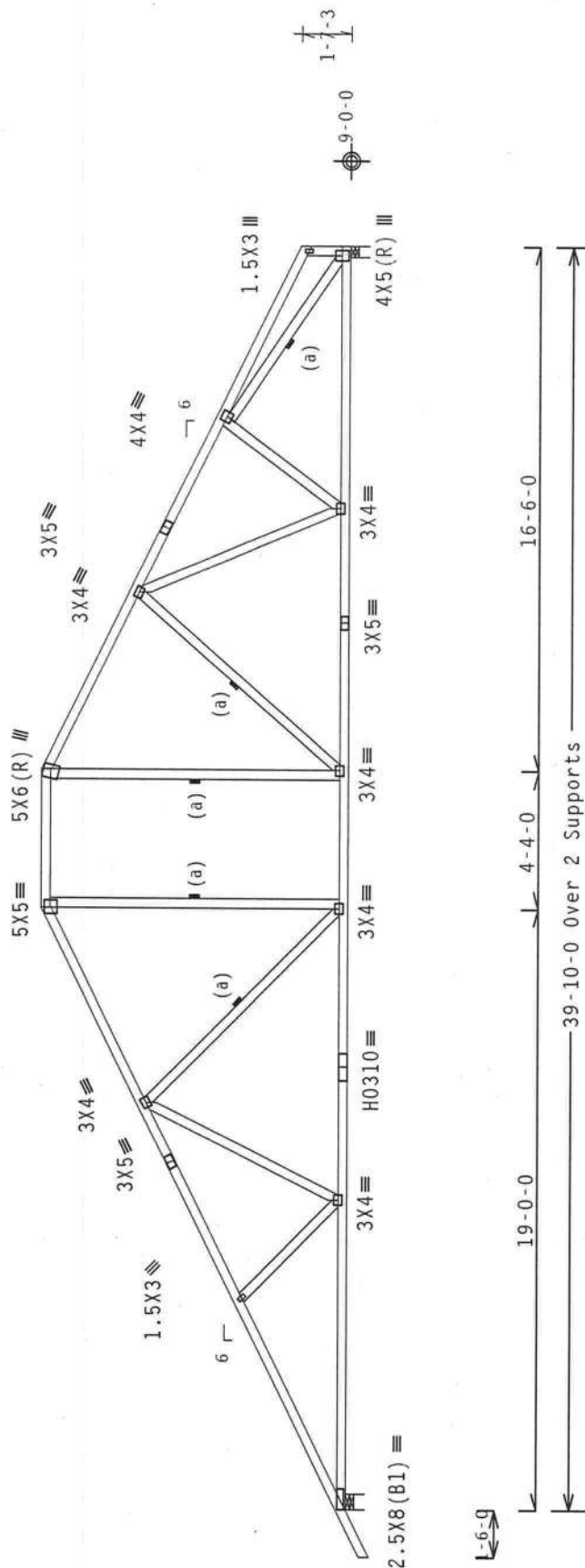
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $G C_{pi} (+/-) = 0.18$

Wind loads and reactions based on MMFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=1749 U=0 W=6
RL=150/-149

R=1632 U=0 W=4

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=10%(0%)/0(0)

FL/-4/-/R/-

Scale = .1875"/Ft.

REF	R487 --	44476
DATE	03/08/12	
DRW	HCUSR487	12068007
HC-ENG	DF/DF	
SEQN	274548	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UK8487_Z01	

10.00.00.0209.20

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

10/03/08

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following for more information: 1) IBC, 2) ASCE 7-10, 3) IPI and WCA Form 1000, 4) IBC, 5) IBC, 6) IBC, 7) IBC, 8) IBC, 9) IBC, 10) IBC, 11) IBC, 12) IBC, 13) IBC, 14) IBC, 15) IBC, 16) IBC, 17) IBC, 18) IBC, 19) IBC, 20) IBC, 21) IBC, 22) IBC, 23) IBC, 24) IBC, 25) IBC, 26) IBC, 27) IBC, 28) IBC, 29) IBC, 30) IBC, 31) IBC, 32) IBC, 33) IBC, 34) IBC, 35) IBC, 36) IBC, 37) IBC, 38) IBC, 39) IBC, 40) IBC, 41) IBC, 42) IBC, 43) IBC, 44) IBC, 45) IBC, 46) IBC, 47) IBC, 48) IBC, 49) IBC, 50) IBC, 51) IBC, 52) IBC, 53) IBC, 54) IBC, 55) IBC, 56) IBC, 57) IBC, 58) IBC, 59) IBC, 60) IBC, 61) IBC, 62) IBC, 63) IBC, 64) IBC, 65) IBC, 66) IBC, 67) IBC, 68) IBC, 69) IBC, 70) IBC, 71) IBC, 72) IBC, 73) IBC, 74) IBC, 75) IBC, 76) IBC, 77) IBC, 78) IBC, 79) IBC, 80) IBC, 81) IBC, 82) IBC, 83) IBC, 84) IBC, 85) IBC, 86) IBC, 87) IBC, 88) IBC, 89) IBC, 90) IBC, 91) IBC, 92) IBC, 93) IBC, 94) IBC, 95) IBC, 96) IBC, 97) IBC, 98) IBC, 99) IBC, 100) IBC, 101) IBC, 102) IBC, 103) IBC, 104) IBC, 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(12-049--Fill in later BRYAN ZECHER/KOCH -- ** - H21A)

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(a) Continuous lateral bracing equally spaced on member.

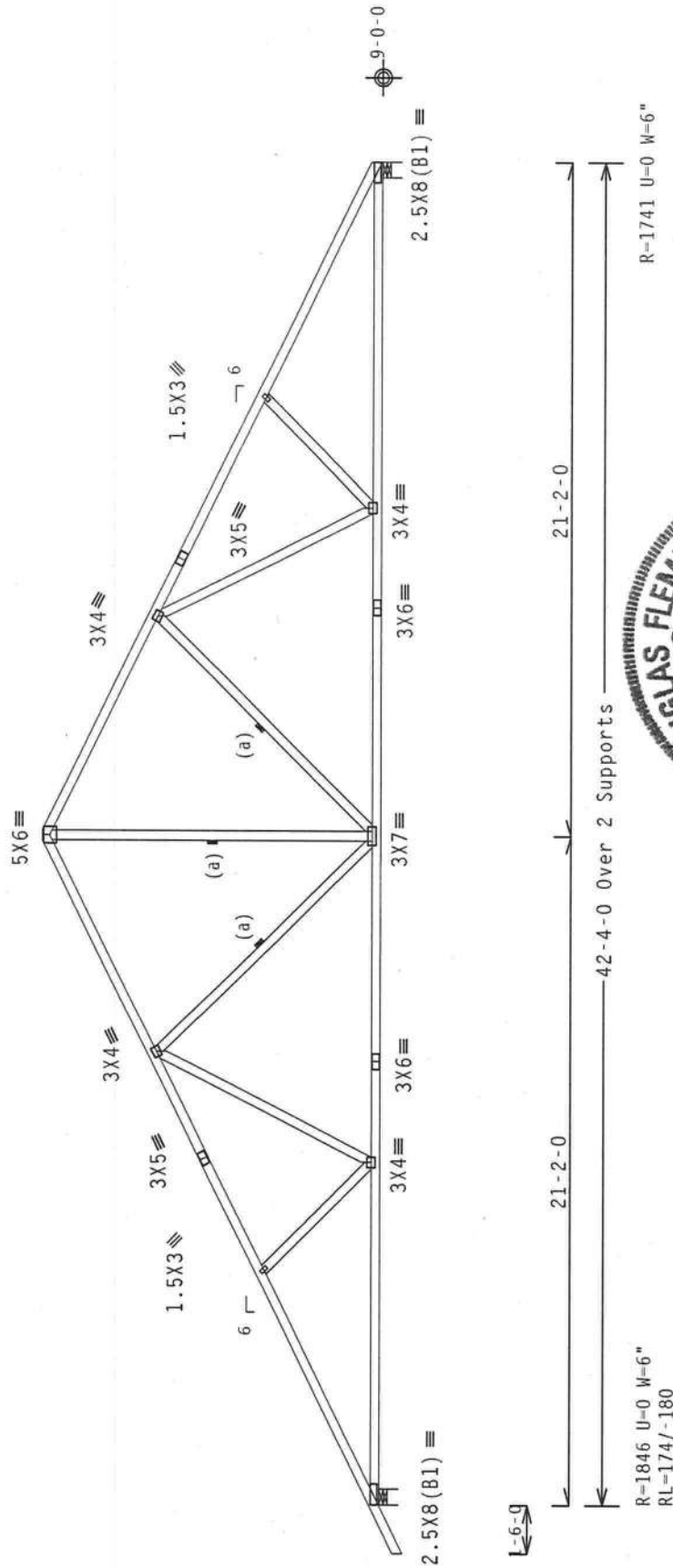
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $G_{CPI}(+/-)=0.18$

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.
REF R487 -- 44477
DATE 03/08/12
DRW HCUSR487 12068008
HC-ENG DF/DF
SEQN- 274555
JREF- 1UK8487_Z01

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the notes on the bottom of BCS1 detailing Component Safety Information, by TPI and WCA for details on proper practices for the erection of trusses. Trusses shall be erected in accordance with the details shown unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint devices shall have bracing installed per BCS1 sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information see: www.itwbcg.com; www.tpinet.org; www.fccsa.org; www.shelldustry.com; www.itwbcg.com; www.tpinet.org; www.fccsa.org

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

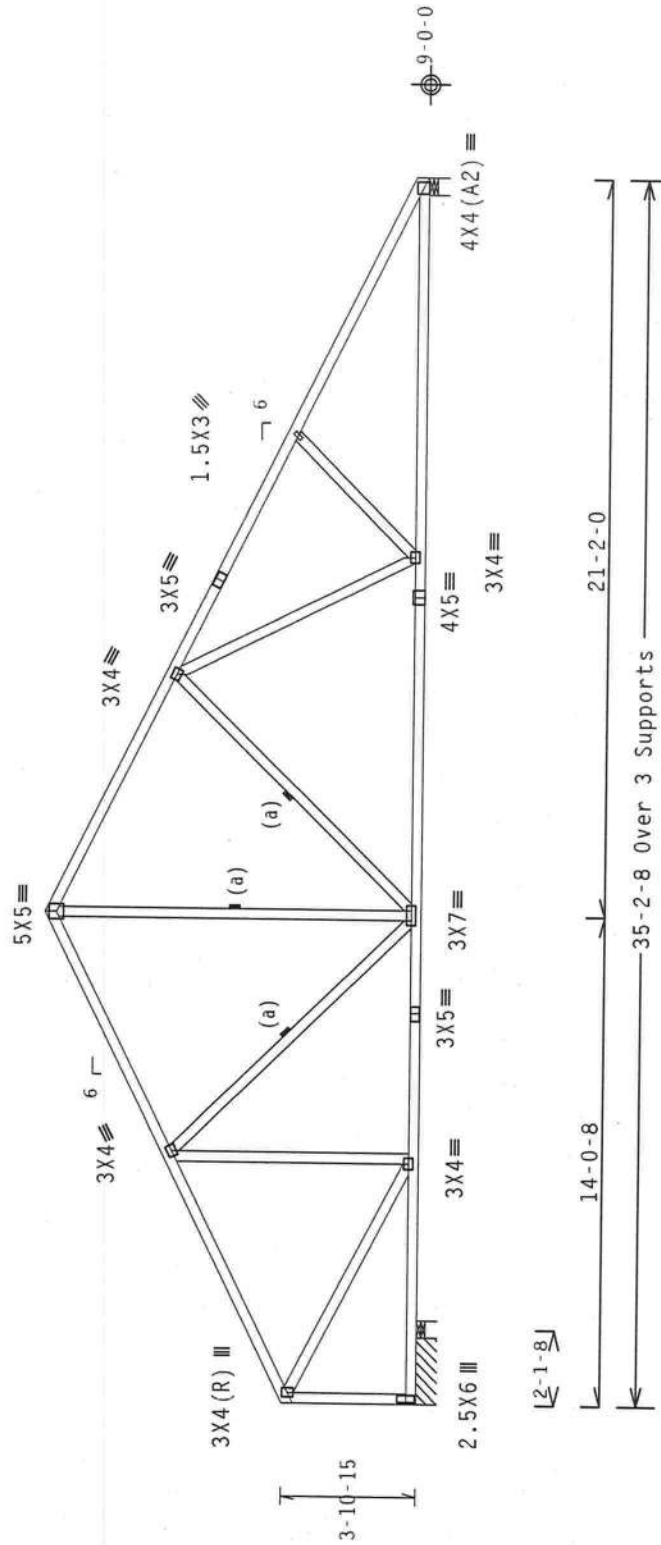
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge. RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R-712 PLF U-0 PLF W-1-10-8
RL-65 R-109 PLF W-6"

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=10%(0%)/0(0)

QTY 1	FL/-4/-1-R/-	Scale = .1875"/FL.
TC LL	20.0 PSF	REF R487 -- 44479
TC DL	10.0 PSF	DATE 03/08/12
BC DL	10.0 PSF	DRW HCUR487 12068010
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 274751
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UK8487_Z01



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

****IMPORTANT**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO AND FOLLOW THE LATEST EDITION OF THE BUILDING COMPONENT SAFETY INFORMATION, BY TPI AND IBC/AI FOR THE LATEST BRACING PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. THESE TRUSSES ARE TO BE USED AS PERMANENT LATERAL BRACING UNLESS NOTED OTHERWISE. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL LATERAL BRACING CHORDS SHALL HAVE BRACING INSTALLED PER BECS! SECTIONS B3, B7 OR B10, AS APPLICABLE.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the details, unless noted otherwise. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the responsibility of the Building Designer, per ASCE 10.11.1.1.1 and use of this design for any structure is the responsibility of the Building Designer. ITWBCG: www.itwbcg.com; TPI: www.tpinet.org; IBC: www.iccsafe.org

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Top chord 2x4 SP M-30
 Bot chord 2x4 SP M-30
 Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(a) 1x4 #3SRB SpF-5 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

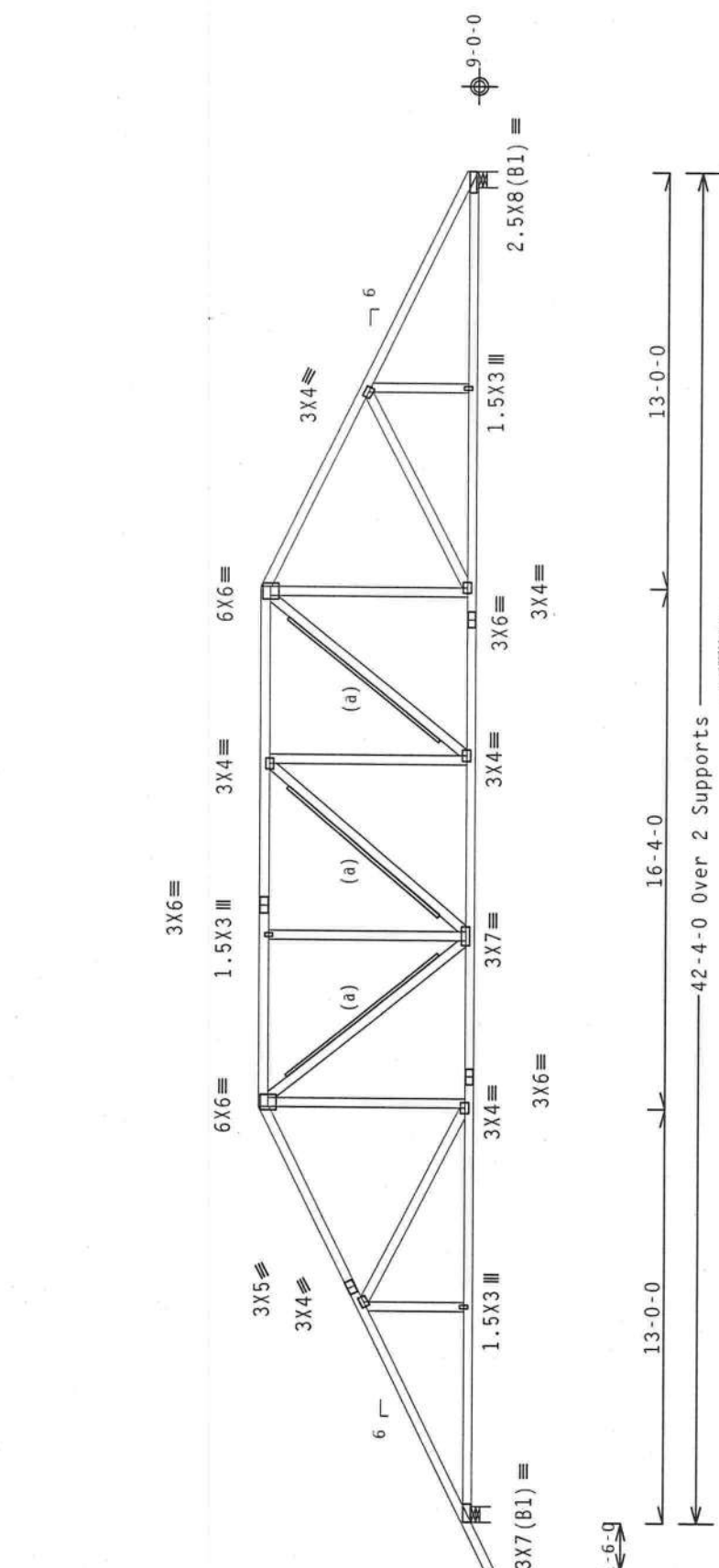
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. GCPI(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

Design Crit: FBC2010Res/TPI-2007 (STD)
 FT/RT=10%(0%)/0(0)

R=1846 U=0 W=6"
 RL=110/-117

42-4-0 Over 2 Supports

Scale = .1875" / Ft.

REF R487-- 44480
 DATE 03/08/12
 DRW HCUSR487 12068011
 HC-ENG DF/DF
 SEQN- 274614
 JREF- 1UK8487_Z01

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.**

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Components Systems Inc.) Manual for proper practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the end of the truss is required for this drawing. Indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1, Sec 2. For more information on any structure is general notes page: ITH-BCG: www.ithbcg.com; TPI: www.tpiinst.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org

DOUGLAS FLEMING
 LICENSE
 No. 066648
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

10-06-11 0208.20
 QTY: FL/-/4/-/R/-

TC LL 20.0 PSF
 TC DL 10.0 PSF
 BC DL 10.0 PSF
 BC LL 0.0 PSF
 TOT.LD. 40.0 PSF
 DUR.FAC. 1.25
 SPACING 24.0"

(12-049--fill in later BRYAN ZECHER/KOCH -- ** - H11AT)

Top chord 2x4 SP M-30
 Bot chord 2x4 SP M-30
 Webs 2x4 SP #3 :W9 2x4 SP M-30:

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.14" due to live load and 0.21" due to dead load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

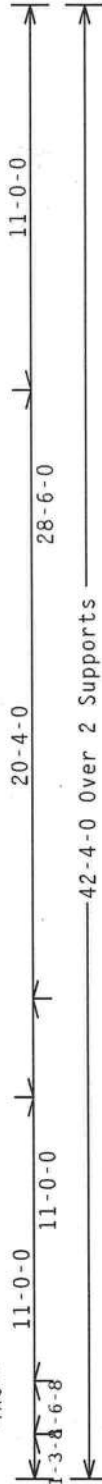
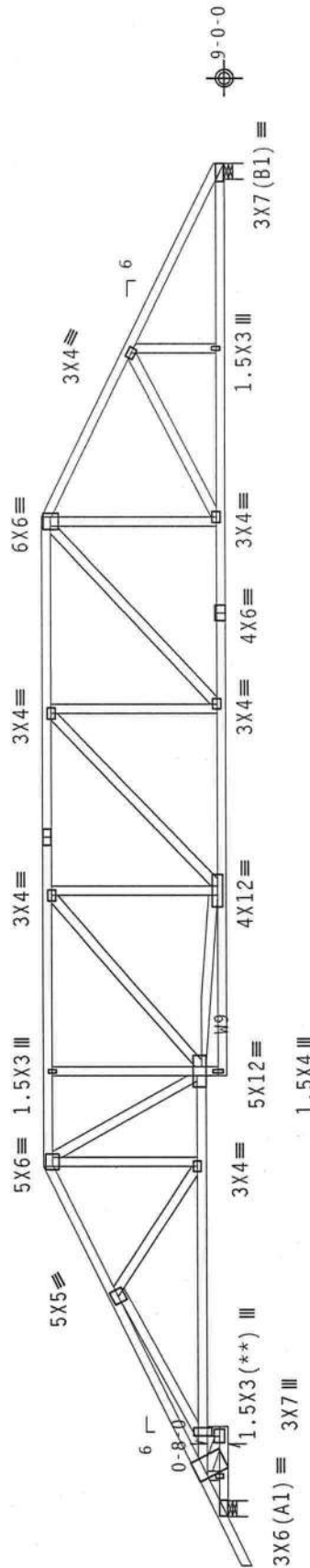
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

3X6



R-1846 U-3 W-6
 RL-95/-101

Design Crit: FBC2010Res/TPI-2007 (STD)
 FT/RT=10% (0%)/0 (0)

Scale = .1875" / Ft.

TC LL	20.0	PSF	REF	R487 --	44483
TC DL	10.0	PSF	DATE	03/08/12	
BC DL	10.0	PSF	DRW	HCUSR487	12068014
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT. LD.	40.0	PSF	SEQN	274602	
DUR. FAC.	1.25				
SPACING	24.0"		JREF	1UK8487_Z01	

PLT TYP. Wave

ALPINE
 rTW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0 278

FLORIDA PROFESSIONAL ENGINEER
 DOUGLAS FLEMING
 LICENSE No. 66648
 STATE OF FLORIDA
 10.08.11/0209.20

WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET.
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for best practices prior to performing these functions. Installers shall provide temporary bracing per the details, unless noted otherwise, to prevent buckling of members during erection. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
 rTW Building Components Group Inc. (rTWBCG) shall not be responsible for any deviation from the any materials built in accordance with ANSI/TPI 1 or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.2. For more information see: This Job's general notes page. rTW-BCG: www.rtwbcg.com; TPI: www.tpiinst.org; WCA: www.bcsiindustry.com; REC: www.rtwbcg.com

(12-049--F11) in later BRYAN ZECHER/KOCH -- ** - H17AT)

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(a) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

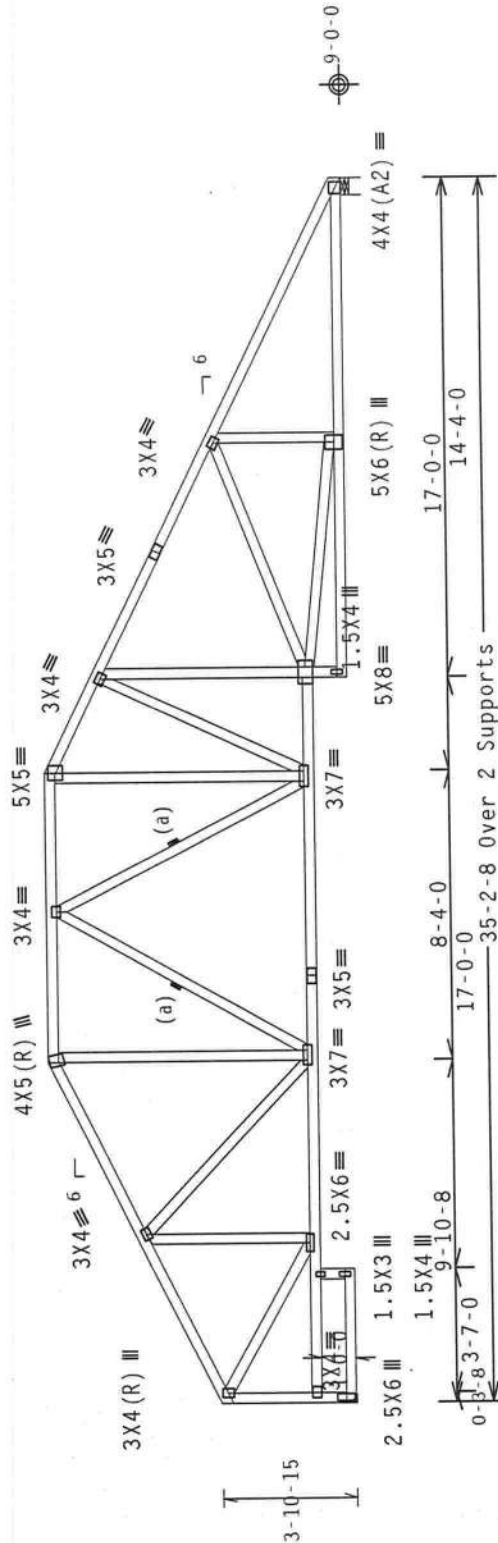
120 mph wind, 15.00 ft mean ht, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge. RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCp1(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=1444 U=0
RL=90/-114 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (14) 0.148"x3" nails
Supporting Member: (1) 2x6 SP #2
Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=10% (0%) / 0 (0)

R-1456 U=0 W=6"
10.00.11.0206.20
FL/-/4/-/-/R/-
Scale = .1875" / Ft.



PLT TYP. Wave

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPF) and follow the practices prior to performing these functions. Install bracing per BCSI unless noted otherwise. Top chord shall be fully braced. Lateral bracing shall have a properly installed top chord. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or failure to build in accordance with ANSI/TPI 1, or for handling, shipping, installing or bracing. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design is the responsibility of the Building Designer per ANSI/TPI 1-2007. The responsibility of the structure is general notes page: 11W-800; www.11wbcg.com; TPI: www.tpinet.org; NCCA: www.nccasafe.org; ECC: www.eccsafe.org

TC LL	20.0 PSF	REF	R487--	44484
TC DL	10.0 PSF	DATE	03/08/12	
BC DL	10.0 PSF	DRW	HCSR487	12068015
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	274657	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UK8487_Z01	

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

(12-049--F11) In later BRYAN ZECHER/KOCH -- ** - AT1)

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

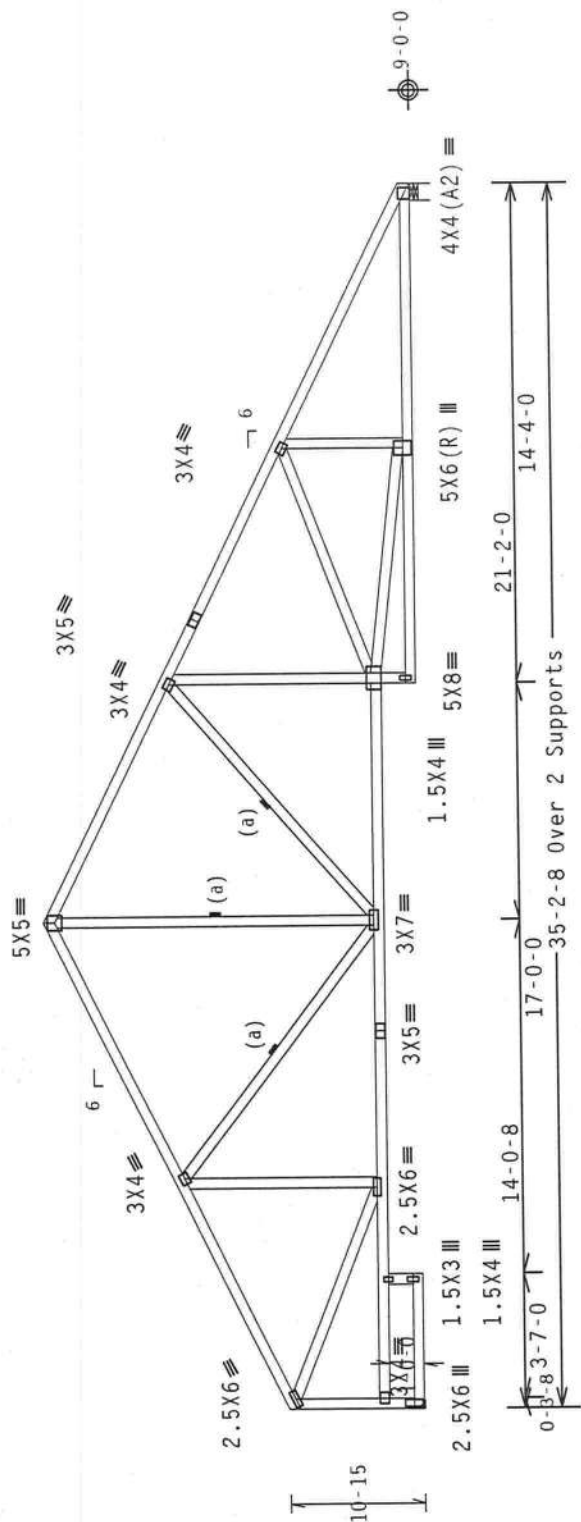
Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 6Cp1(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R-1444 U=0
RL-122/-146 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (14) 0.148"x3" nails
Supporting Member: (1) 2x6 SP #2
Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=10%(0%) / 0 (0)

PLT TYP. Wave
Scale = .1875"/Ft.
REF R487-- 44488
DATE 03/08/12
DRW HCUSR487 12068019
HC-ENG DF/DF
SEQN- 274714
JREF- IUK8487_Z01



ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

PLT TYP. Wave
Scale = .1875"/Ft.
REF R487-- 44488
DATE 03/08/12
DRW HCUSR487 12068019
HC-ENG DF/DF
SEQN- 274714
JREF- IUK8487_Z01

(12-049--F111 in later BRYAN ZECHER/KOCH -- . ** - B1)
 Top chord 2x4 SP M-30
 Bot chord 2x4 SP M-30
 Webs 2x4 SP #3

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

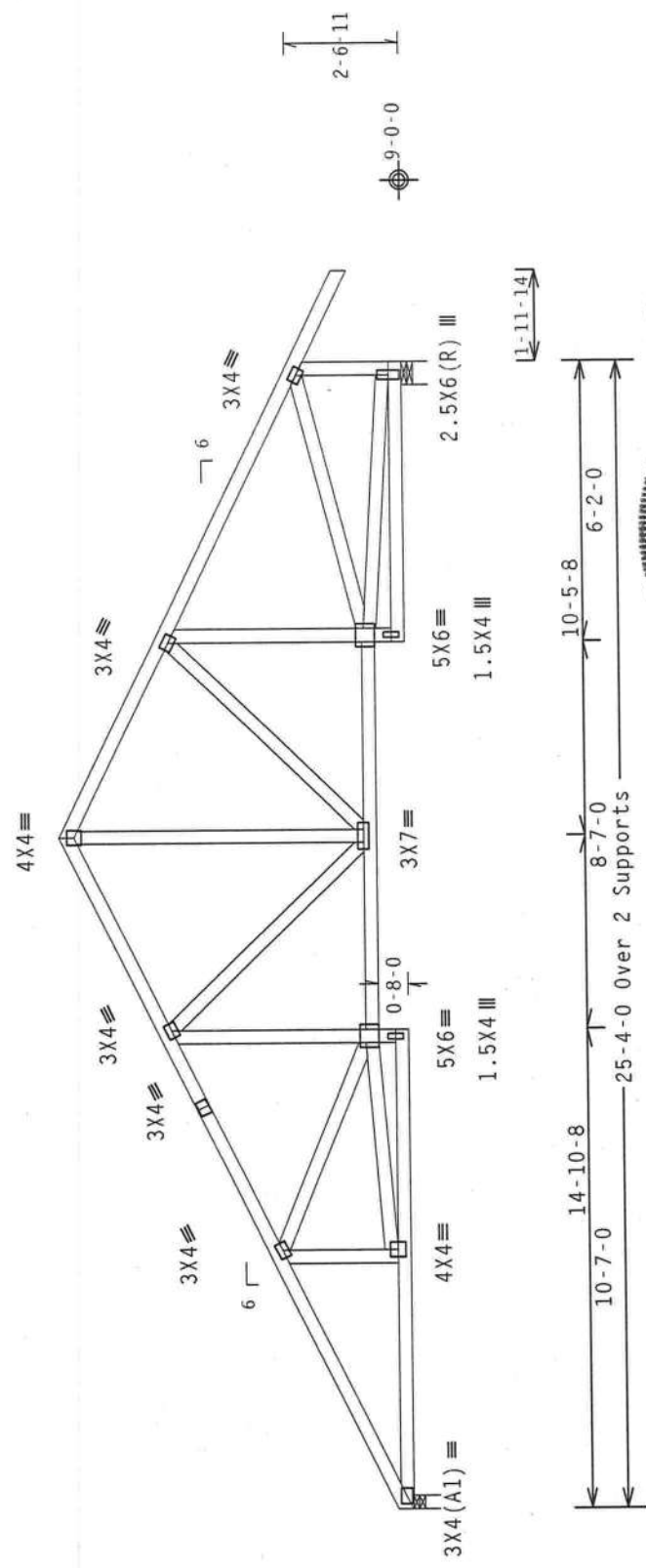
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: FBC2010Res/TPI-2007 (STD)
 FT/RT=10%(0%)/0(0)

FL/-/4/-/-/R/-	Scale = .25"/Ft.
TC LL 20.0 PSF	REF R487-- 44490
TC DL 10.0 PSF	DATE 03/08/12
BC DL 10.0 PSF	DRW HCUSR487 12068021
BC LL 0.0 PSF	HC-ENG DF/DF
TOT.LD. 40.0 PSF	SEQN- 274398
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UK8487_Z01

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing and bottom chord bracing unless otherwise noted. Top chord shall have properly attached permanent lateral restraint. Webs shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
 ITR Building Components Group Inc. (ITRBCG) shall be responsible for any deflection from this design. Any failure to build the truss in accordance with the design shall be the responsibility of the contractor. Refer to drawings 100A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITR-BCG: www.itrbcg.com; IPI: www.ipinst.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org

PLT TYP. Wave

ITR Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0 278

(12-049--Fill in later BRYAN ZECHER/KOCH -- ** - C)

Top chord 2x4 SP M-30
 Bot chord 2x4 SP M-30
 Webs 2x4 SP #3

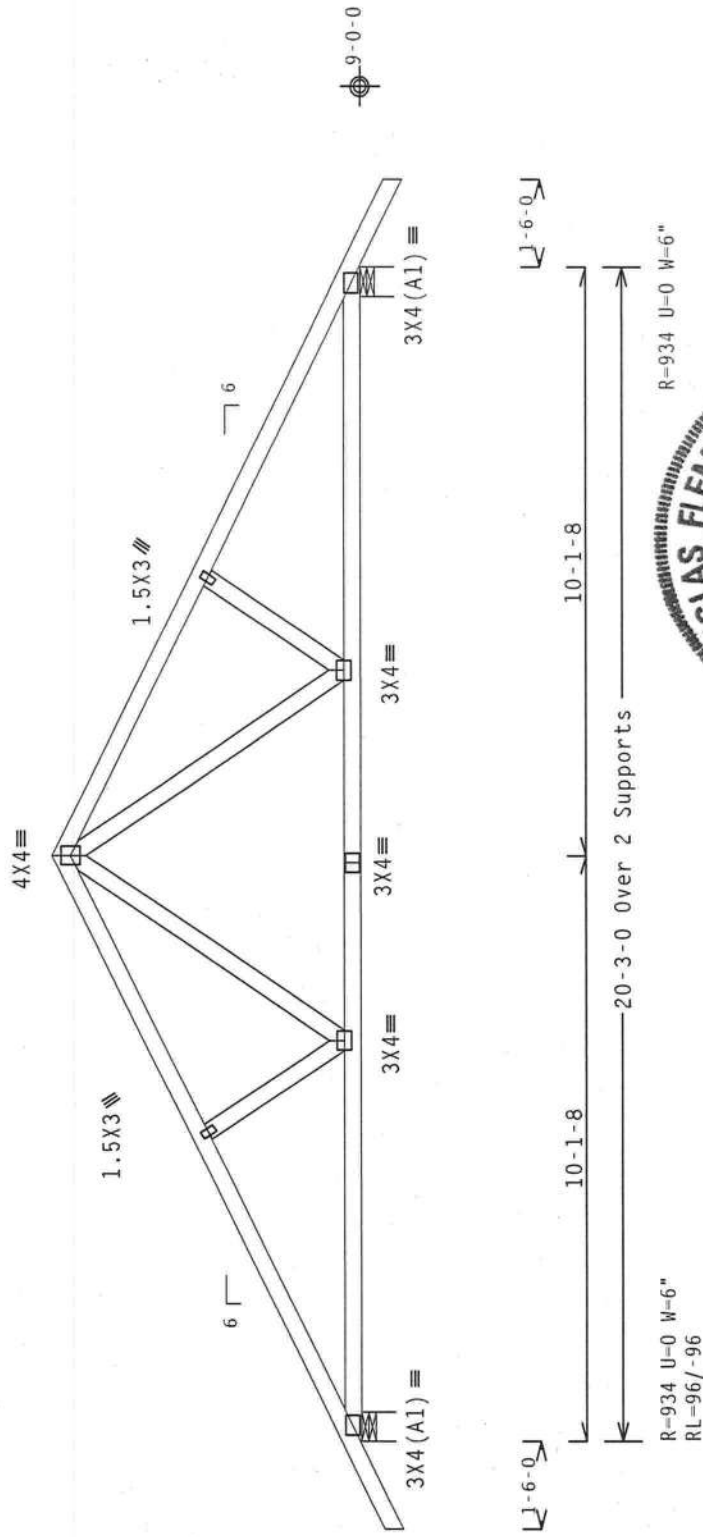
Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Wind loads and reactions based on MMFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: FBC2010Res/TPI-2007 (STD)
 FT/RT=10%(0%)/0(0)

TC LL	20.0 PSF	FL/-/4/-/-/R/-	Scale = .3125"/Ft.
TC DL	10.0 PSF	REF R487-- 44493	
BC DL	10.0 PSF	DATE 03/08/12	
BC LL	0.0 PSF	DRW HCUSR487 12068024	
TOT.LD.	40.0 PSF	HC-ENG DF/DF	
DUR.FAC.	1.25	SEQN- 274369	
SPACING	24.0"	JREF- 1UK8487_Z01	

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and NICA, for safety practices prior to performing these functions. Installers shall provide temporary bracing per the details shown on this drawing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint for webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the details shown on this drawing. ITWBCG shall not be responsible for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each rafter of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal of approval is provided for the design shown. The seal of approval is the responsibility of the designer. For more information see: www.itwbcg.com
 general notes page: ITN-800; www.itwbcg.com; TPI: www.tpinst.org; NICA: www.socindustry.com; ICC: www.iccsafe.org

ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

PLT TYP. Wave

(12-049--Fill in later BRYAN ZECHER/KOCH -- ** - C1)

Top chord 2x4 SP M-30
 Bot chord 2x4 SP M-30
 Webs 2x4 SP #3

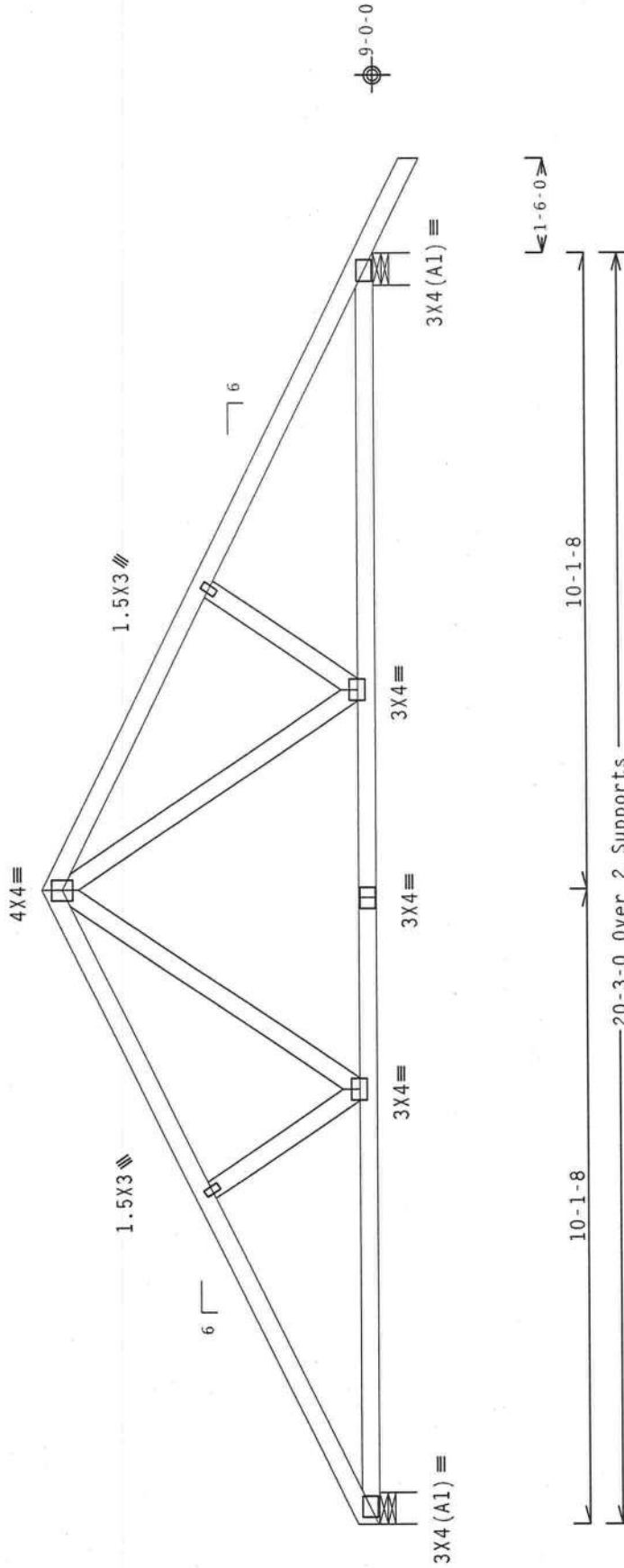
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R-829 U=0 W=6"
 RL=88/-82

R-939 U=0 W=6"

Design Crit: FBC2010Res/TPI-2007 (STD)
 FT/RT=10%(0%/0(0)

Scale = .375"/Ft.



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
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 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by BCSI) practices prior to performing any work. Trusses shall be braced per BCSI details. Trusses shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 87 or B10, as applicable.
 ITRW Building Components Group Inc. (ITRBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure is the responsibility of the Building Designer. ITRW/Trussing.com; TPI: www.trussing.com; NICA: www.sbindustry.com; ICC: www.iccsafe.org

ALPINE
ITRW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0 278

PLT TYP. Wave	FL/-/4/-/-/R/-	Scale = .375"/Ft.
	TC LL 20.0 PSF	REF R487-- 44494
	TC DL 10.0 PSF	DATE 03/08/12
	BC DL 10.0 PSF	DRW HCUSR487 12068025
	BC LL 0.0 PSF	HC-ENG DF/DF
	TOT.LD. 40.0 PSF	SEQN- 274421
	DUR.FAC. 1.25	
	SPACING 24.0"	JREF- 1UK8487_Z01

(12-049--Fill in later BRYAN ZECHER/KOCH --, ** - D)

Top chord 2x4 SP M-30
 Bot chord 2x4 SP M-30
 Webs 2x4 Sp #3

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCp1(+/-)=0.18

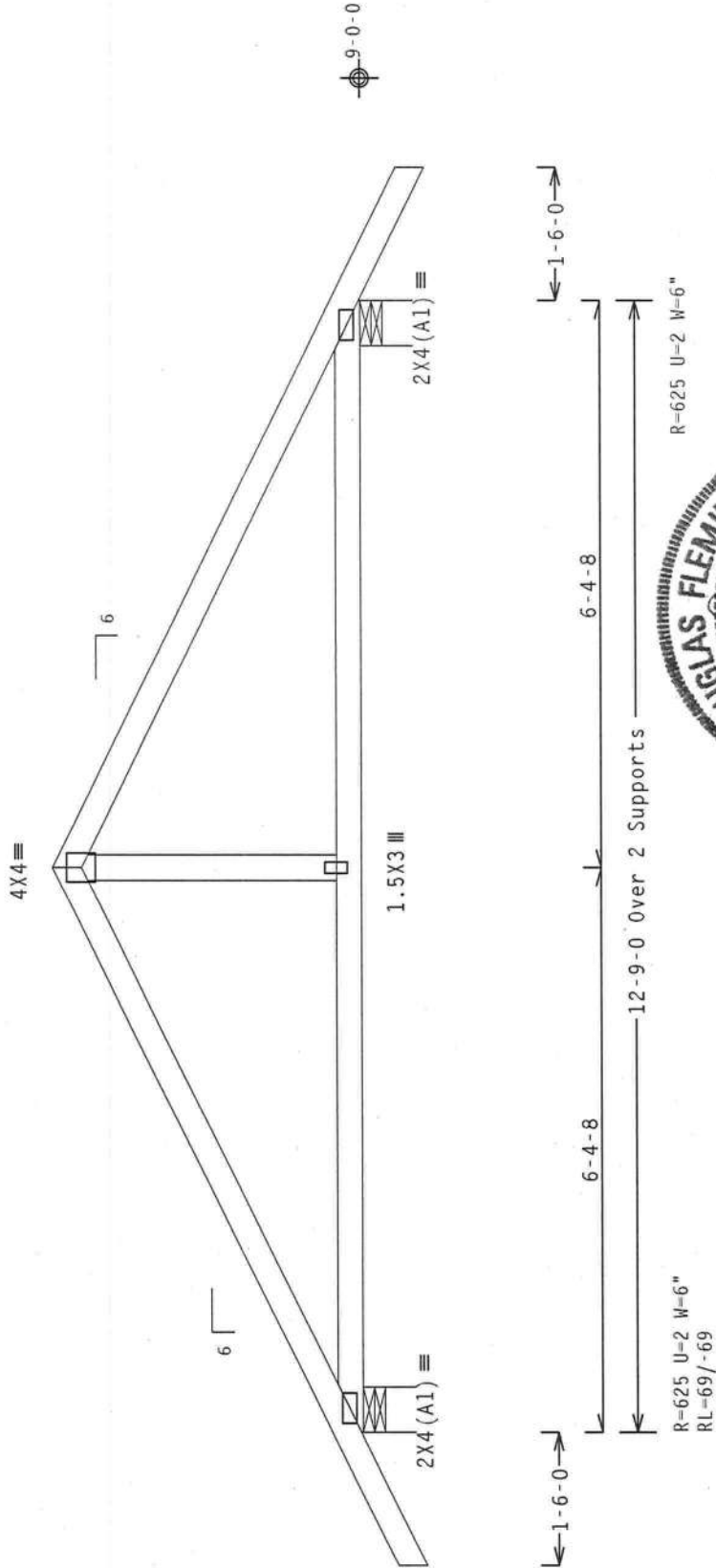
Roof overhang supports 2.00 psf soffit load.

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

MMFRS loads based on trusses located at least 7.50 ft. from roof edge.



Design Crit: FBC2010Res/TPI-2007 (STD)
 FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.



TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	REF	R487 -- 44496
TC DL	10.0 PSF		DATE	03/08/12
BC DL	10.0 PSF		DRW	HCUSR487 12068027
BC LL	0.0 PSF		HC-ENG	DF/DF
TOT.LD.	40.0 PSF		SEQN-	274353
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UK8487_Z01

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of the Building Components Group Inc. (BCGI) Truss Installation Manual for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org

ALPINE

ITW Building Components Group Inc.
 Hannes City, FL 33844
 FL COA #0 278

(12-049--Fill in later BRYAN ZECHER/KOCH -- ** - DG)

Top chord 2x4 SP M-30
 Bot chord 2x6 SP M-26
 Webs 2x4 SP #3 :W3 2x4 SP M-30:
 :Lt Wedge 2x4 SP #3:

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcpl(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

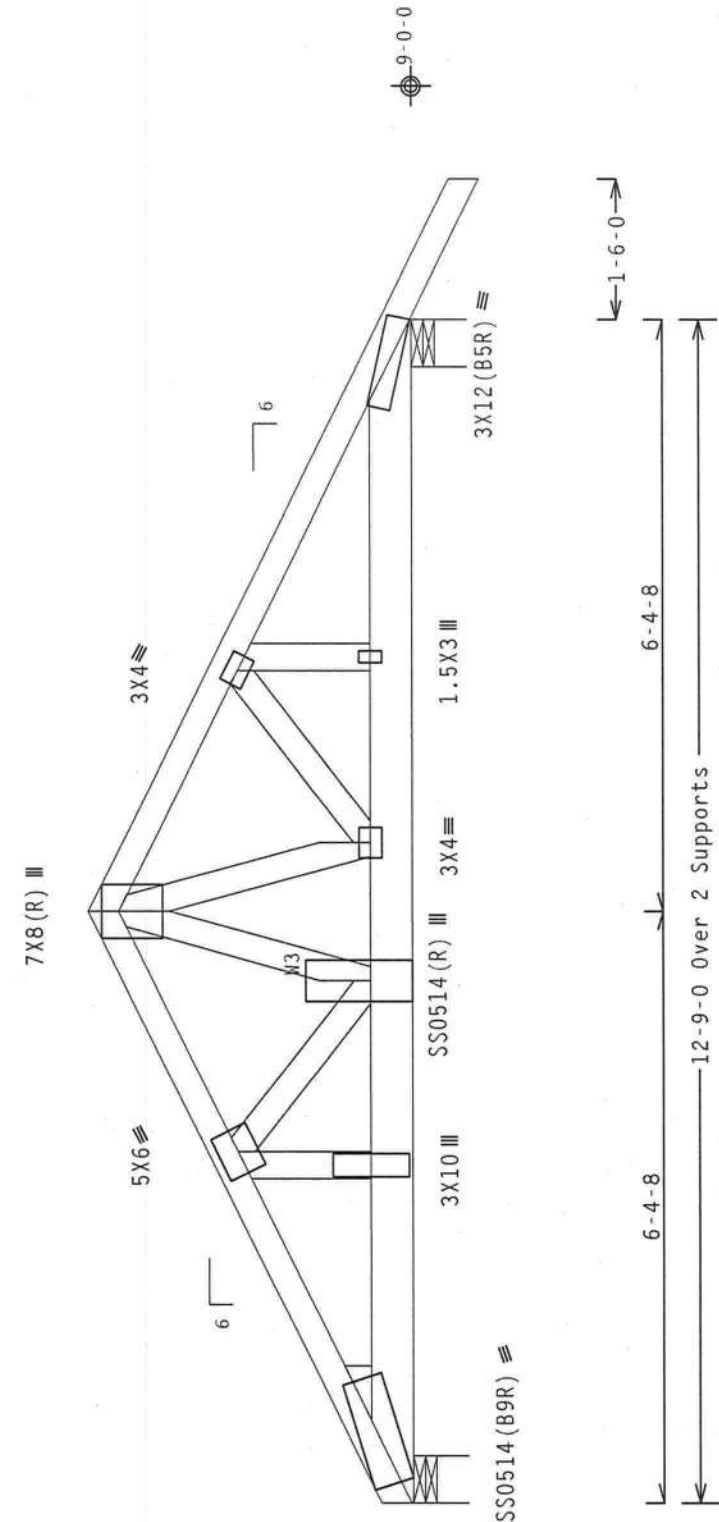
Bottom chord checked for 10.00 psf non-concurrent live load.

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC- From 62 p1f at 0.00 to 62 p1f at 6.38
 TC- From 62 p1f at 6.38 to 62 p1f at 14.25
 BC- From 10 p1f at 0.00 to 10 p1f at 5.69
 BC- From 20 p1f at 5.69 to 20 p1f at 12.75
 BC- From 4 p1f at 12.75 to 4 p1f at 14.25
 BC- 1645.51 lb Conc. Load at 1.69, 3.69
 BC- 3690.78 lb Conc. Load at 5.69

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R-5142 U-0 W-6"

Design Crit: FBC2010Res/TPI-2007 (STD)
 FT/RT=10%(0%)/0(0)

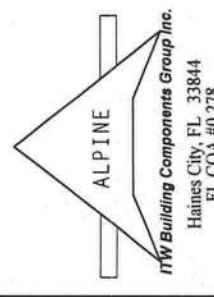
PLT TYP. 18 Gauge HS, Wave

Scale = .5" / Ft.



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to a follow the latest edition of BCSI (Building Component Safety Information, by IPT and NICA) for details on bracing and installation. The top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint keys shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information, contact ITWBCG at: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.abctindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487 -- 44497
TC DL	10.0 PSF	DATE	03/08/12
BC DL	10.0 PSF	DRW	HCUSR487 12068028
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	274509
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UK8487_Z01



(12-049--F11) in later BRYAN ZECHER/KOCH -- ** - E)

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.06" due to live load and 0.20" due to dead load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

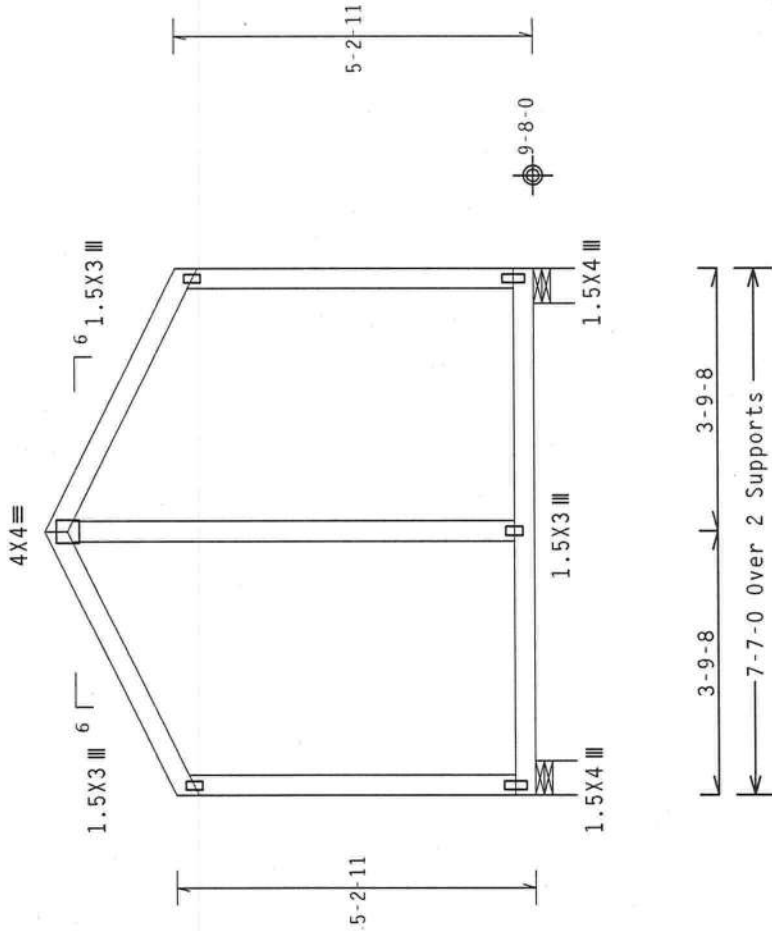
120 mph wind, 15.84 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

Fasten rated sheathing to one face of this frame.

MWFRS loads based on trusses located at least 7.92 ft. from roof edge.



Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=10%(0%/0 (0))

PLT TYP. Wave	FL/-/4/-/-/R/-	Scale = .375"/Ft.
TC LL	20.0 PSF	REF R487 -- 44498
TC DL	10.0 PSF	DATE 03/08/12
BC DL	10.0 PSF	DRW HCUSR487 12068029
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 274413
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UK8487_201

****WARNING**** READ AND FILL IN ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for practices prior to performing these functions. Installers shall provide temporary bracing and bracing details, unless noted otherwise, top chord and bottom chord. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
TPI Building Components Group Inc. (TIBCG) shall not be responsible for any deviation from this design or for any damage to trusses in accordance with ANSI/TPI 1, or for handling, shipping, installing and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.2. For more information see: This Job's general notes page; tlb-bcs; www.tibcg.com; TPI: www.tpinat.org; WCA: www.bcsindustry.com; ICC: www.iccsafe.org

ALPINE

TPI Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0 278

(12-049--Fill in later BRYAN ZECHER/KOCH --, ** - EG)

Top chord 2x4 SP M-30
Bot chord 2x6 SP M-26
Webs 2x4 SP #3

120 mph wind, 15.84 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

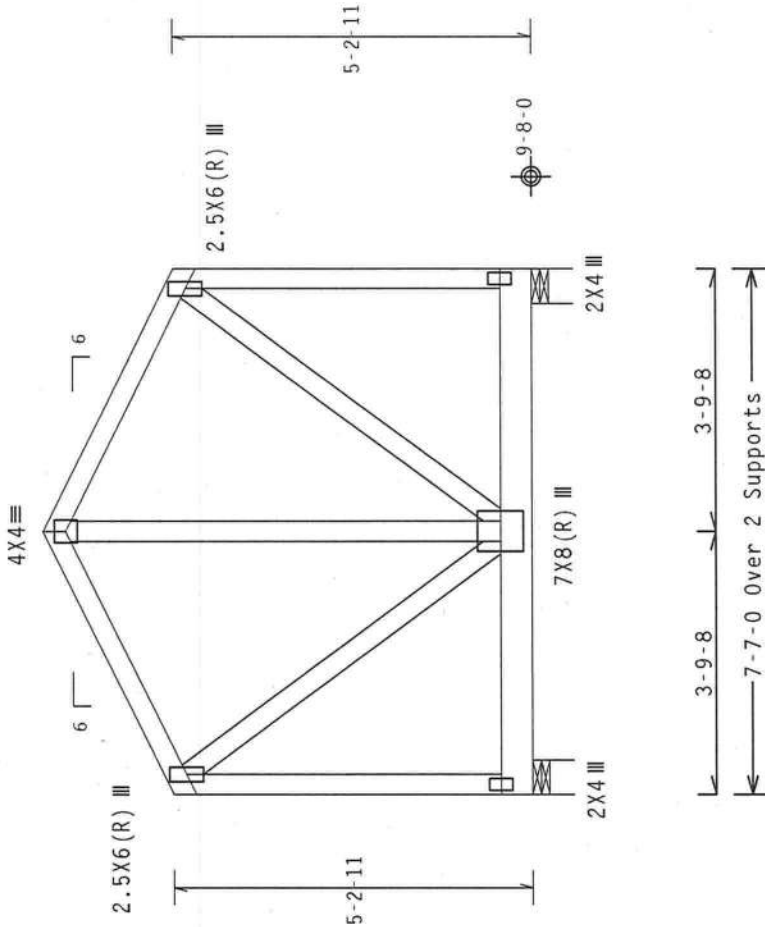
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 3.79
TC- From 62 plf at 3.79 to 62 plf at 7.58
BC- From 10 plf at 0.00 to 10 plf at 7.58
BC- 1321.20 lb Conc. Load at 1.65, 3.65, 5.65

End verticals not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.



Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=10%(0%)/0(0)



PLT TYP. Wave	Scale = .375" / Ft.
REF R487-- 44499	TC LL 20.0 PSF
DATE 03/08/12	TC DL 10.0 PSF
DRW HCUSR487 12068030	BC DL 10.0 PSF
HC-ENG DF/DF	BC LL 0.0 PSF
SEQN- 274732	TOT.LD. 40.0 PSF
DUR.FAC. 1.25	
SPACING 24.0"	
JREF- 1UK8487_Z01	

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET. REFER TO THE LATEST EDITION OF BCS (Building Components Separation) for details. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Installer shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS sections 83, 87 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the bracing of trusses. Apply plates to each race of truss and position as shown above and on the drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure. Responsibility solely for bracing of trusses. For more information see: This job's general notes page: ITR-805: www.itwbcg.com; TPI: www.tpinst.org; MICA: www.sbciindustry.com; ICC: www.iccsafe.org

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

(12-049--Fill in later BRYAN ZECHER/KOCH -- ** - F5F)

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

Girder supports 5-0-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.

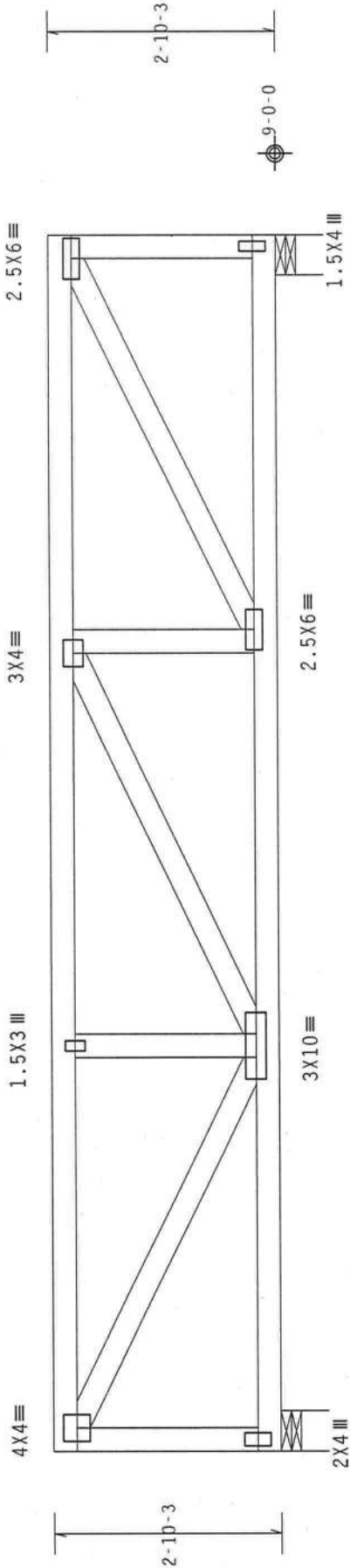
Truss must be installed as shown with top chord up.

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

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



15-0-0 Over 2 Supports
R-1036 U=0 W=6"

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=10%(0%)/0(0)



TC LL	20.0 PSF	FL/-/4/-/-/R/-	Scale = .5" / Ft.
TC DL	10.0 PSF		REF R487 -- 44500
BC DL	10.0 PSF		DATE 03/08/12
BC LL	0.0 PSF		DRW HCUSR487 12068031
TOT.LD.	40.0 PSF		HC-ENG DF/DF
DUR.FAC.	1.25		SEQN- 274718
SPACING	24.0"		JREF- 1UK8487_Z01

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and HICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per details, unless noted otherwise. Top chord shall have properly attached structural sheathing and blocking. Sheathing shall have a properly attached blocking. Lateral bracing shall be provided per BCSI sections 83-87 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any standard and shall not be responsible for any deviation from any standard or code. Details of trusses. Apply plates to each face of truss and position as shown above and on the job drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; HICA: www.sectindstry.com; IEC: www.ieccsafe.org

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

(12-049--Fill in later BRYAN ZECHER/KOCH -- ** - F7F)

Top chord 2x4 SP M-30
 Bot chord 2x6 SP SS
 Webs 2x4 SP #3 :W2, W8 2x4 SP M-30:

Brq blocks:0.131"x3" nails
 brg x-loc #blocks length/bk #nails/bk wall plate
 1 0.000' 1 12" 5 Rigid Surface
 2 14.500' 1 12" 4 Rigid Surface
 Brq block to be same size and species as bottom chord.
 Refer to drawing C>NNAILSP0109 for more information.

Wind loads and reactions based on MMFRS with additional C&C member design.

Max JT VERT DEFL: LL: 0.12" DL: 0.17" recommended camber 1/4"

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Special loads

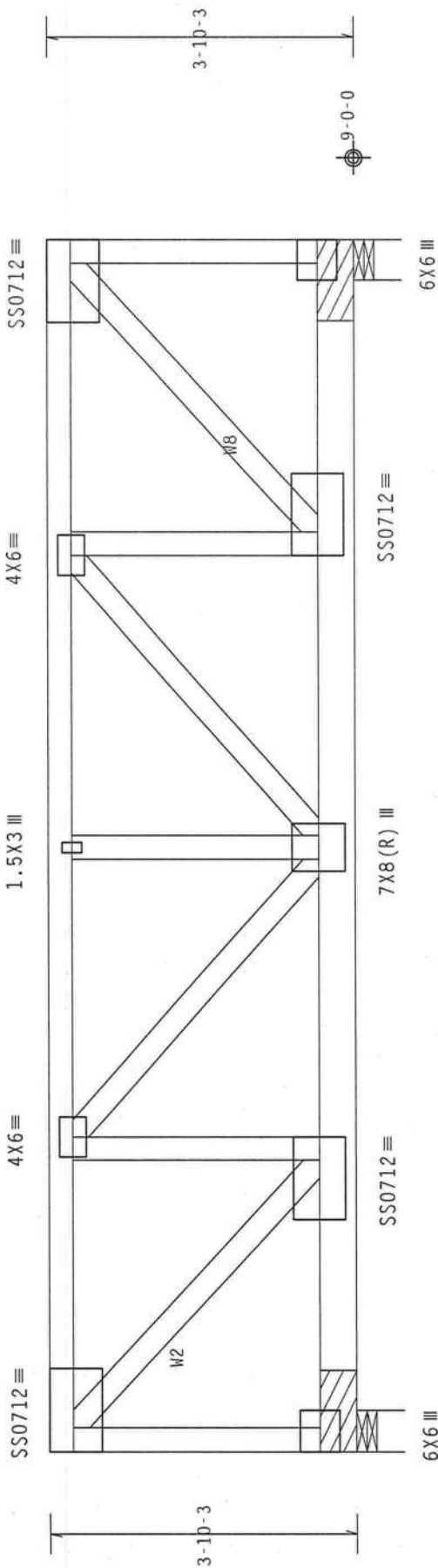
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC- From 60 plf at 0.00 to 60 plf at 15.00
 BC- From 10 plf at 0.00 to 10 plf at 15.00
 BC- 1443.86 lb Conc. Load at 1.23, 3.23, 5.23, 13.23
 BC- 1321.20 lb Conc. Load at 7.23, 9.23, 11.23
 120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
 within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf,
 wind BC DL=5.0 psf. GCpl(+/-)=0.18

End verticals not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC 1in lieu of structural sheathing.



R-5619 U=0 W=6" R=5170 U=0 W=6"
 15-0-0 Over 2 Supports

PLT TYP. 18 Gauge HS, Wave
 Design Crit: FBC2010Res/TPI-2007 (STD)
 FT/RT=10%(0%)/0(0)



****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Suppliers Institute) Manual for details on bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering structure is responsibility solely to BCSI (Building Component Suppliers Institute) for more information see: This job's general notes page: FIB-BCG: www.tubecp.com; TPI: www.tpinst.org; NCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
TC LL 20.0 PSF	REF R487 -- 44501
TC DL 10.0 PSF	DATE 03/08/12
BC DL 10.0 PSF	DRW HCUSR487 12068032
BC LL 0.0 PSF	HC-ENG DF/DF
TOT.LD. 40.0 PSF	SEQN- 274724
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UK8487_Z01

(12-049--Fill in later BRYAN ZECHER/KOCH -- ** - CJ1)

Top chord 2x4 SP M-30
 Bot chord 2x4 SP M-30

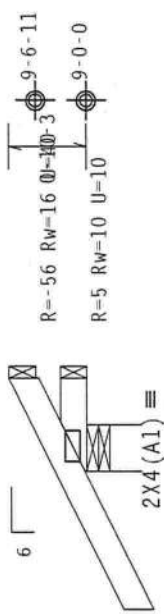
Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 6Cpl(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



← 1-6-0 →
 1-0-0 over 3 Supports

R=254 U=22 W=6"
 RL=20

Design Crit: FBC2010Res/TPI-2007 (STD)
 FT/RT=10% (0%)/0 (0)



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 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NCA: www.sbcindustry.com; ICC: www.iccsafe.org

FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
REF	R487 -- 44502
DATE	03/08/12
DRW	HCUSR487 12068033
HC-ENG	DF/DF
SEQN-	274223
JREF-	1UK8487_Z01

ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278