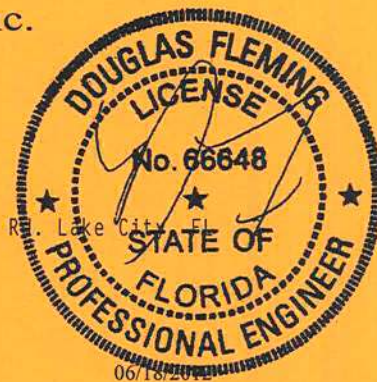


30019

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:1UN2487-Z0118163947



Truss Fabricator: Anderson Truss Company
 Job Identification: 12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd., Lake City, FL
 Truss Count: 4
 Model Code: Florida Building Code 2007 and 2009 Supplement
 Truss Criteria: FBC2007Res/TPI-2002(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 - 110 MPH ASCE 7-05 -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

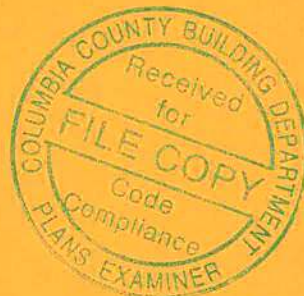
Douglas Fleming
 -Truss Design Engineer-

1950 Marley Drive
 Haines City, FL 33844

Details: BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	41562-AG	69'10" Specia	12170119	06/18/12
2	41563--EJ7G1		12170116	06/18/12
3	41564-H15A	69'10" Step	12170117	06/18/12
4	41565-DG	35'7" Common	12170118	06/18/12

ALPINE



This design is based on lumber values in effect prior to June 1, 2012 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

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

110 mph wind, 15.64 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Left and right cantilevers are exposed to wind

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

(a) Continuous lateral bracing equally spaced on member.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.

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.

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

Deflection meets L/240 live and L/180 total load.

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Top chord 2x4 SP #1 : T1 2x6 SP #2 :
T2 2x6 SP #1 Dense : T3 2x4 SP M-30:
Bot chord 2x4 SP #1 : B1 2x6 SP M-26: B2 2x6 SP SS:
B3 2x6 SP #2:
Webs 2x4 SP #3 : W1, W18 2x6 SP #2:
W2, W4, W10, W11, W12, W13 2x4 SP #1: W16 2x4 SP M-30:

Special loads

-----Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 9.00
TC- From 62 plf at 9.00 to 62 plf at 17.67
TC- From 62 plf at 17.67 to 62 plf at 28.60
TC- From 62 plf at 28.60 to 62 plf at 53.90
TC- From 62 plf at 53.90 to 62 plf at 69.83
BC- From 20 plf at 0.00 to 20 plf at 9.06
BC- From 10 plf at 9.06 to 10 plf at 10.54
BC- From 20 plf at 10.54 to 20 plf at 50.00
BC- From 20 plf at 50.00 to 20 plf at 69.83
TC- 205.00 lb Conc. Load at 0.00
PLT- 218.26 lb Conc. Load at (9.06,15.12)
PLB- 140.00 lb Conc. Load at (9.06,10.16)
PLB- 5130.23 lb Conc. Load at (10.54,10.16)

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.

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

Deflection meets L/240 live and L/180 total load.

SS0712 =

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6X8 =

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PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002(STD)
Wave FT/RT=10%(0%)/0(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 latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for details and practices prior to performing these functions. Truss installers shall provide temporary bracing per BCSI. 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 shall be used. Trusses shall be braced installed per BCSI sections 85, 87 or 88, as applicable.

IW Building Components Group Inc. (IWBCG) shall not be responsible for any deviation from 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 drawings and specifications. IWB-BCG: www.iwb-bcg.com; TPI: www.tpi.net; WCA: www.wcaindustry.com; IBC: www.iccsafe.org

ALPINE

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

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2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 2.00" o.c. (Each Row)
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCPI(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

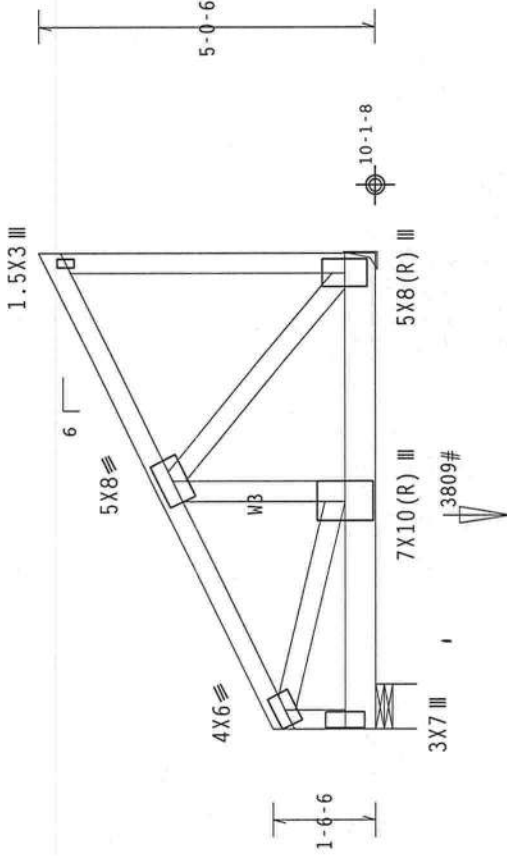
(H1) = (J) Hanger not calculated (1) 2x6 SP M-26 supporting member.

Top chord 2x4 SP #1 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 : W3 2x4 SP #1:

This design is based on lumber values in effect prior to June 1, 2012 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

Special loads
Dur.Fac.-1.25 / Plate Dur.Fac.-1.25
TC- From 62 plf at 0.00 to 62 plf at 7.00
BC- From 10 plf at 0.00 to 10 plf at 7.00
BC- 2637.36 lb Conc. Load at 1.15
BC- 5440.50 lb Conc. Load at 3.15
BC- 2721.00 lb Conc. Load at 5.15

Deflection meets L/240 live and L/180 total load.



7'-0-0 Over 2 Supports
R=6175 W=8"
R=5130
H=H1

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

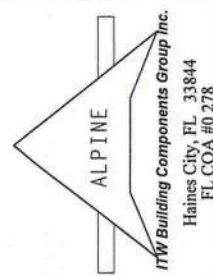
PLT TYP. Wave	FL/-/4/-/-/R/-	Scale = .375"/Ft.
	TC LL 20.0 PSF	REF R487-- 41563
	TC DL 10.0 PSF	DATE 06/18/12
	BC DL 10.0 PSF	DRW HCUR487 12170116
	BC LL 0.0 PSF	HC-ENG DF/DF
	TOT.LD. 40.0 PSF	SEQN- 10283
	DUR.FAC. 1.25	
	SPACING 24.0"	JREF- 1UN2487_Z01



****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 practices prior to performing these functions. Installers shall provide temporary bracing per details 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 shall have bracing installed per BCSI sections 85, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the trusses in accordance with ANSI/TPI 1, for handling, shipping, installing or bracing. 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 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.tpiinst.org; WCA: www.bcsiindustry.com; ICC: www.iccsafe.org



Top chord 2x6 SP #2 :T3, T4, T5 2x6 SP M-26:
Bot chord 2x6 SP SS
Webs 2x4 SP #3 :W2, W15, W17, W21 2x4 SP #1:
Rt Level Return 2x6 SP #2::rt Level Return 2x4 SP #3:

Special loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

T	-From	62 pif	at 0.00	to 62 pif	at 10.53
T	-To	62 pif	at 17.00	to 62 pif	at 17.00
T	-From	62 pif	at 17.00	to 62 pif	at 31.00
T	-To	62 pif	at 31.00	to 62 pif	at 45.00
T	-From	62 pif	at 45.00	to 62 pif	at 56.83
T	-To	62 pif	at 56.83	to 62 pif	at 69.83
B	-From	20 pif	at 0.00	to 20 pif	at 14.00
B	-To	20 pif	at 14.00	to 20 pif	at 28.00
B	-From	20 pif	at 28.00	to 20 pif	at 42.00
B	-To	10 pif	at 42.00	to 10 pif	at 46.52
B	-From	20 pif	at 46.52	to 20 pif	at 56.00
B	-To	20 pif	at 56.00	to 20 pif	at 67.83
PB	-From	4 pif	at 67.87	to 4 pif	at 69.79
		1b Conc.	Load at 43.90		

BC- 970.45 lb Conc. Load at 46.52

(e) #3 or better scab brace. Same size & 80% length of with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.
Deflection meets L/240 live and L/180 total load.

RS1
(1) 2x6x15-1-2 SP SS Bottom chord scab centered 44-4-6
Attach to one face of chord with (3) rows of 0.131"x3"
A.C., staggered 3".

++ Negative reaction(s) of -1465# MAX. (See below) from non-wind load case requires uplift connection. THE BUILDER/DESIGNER MUST APPROVE AND PROVIDE FOR THIS REACTION AND

5X6 ≡ 7X

5X10 ≡ 3X4 ≡

Diagram (a) shows a line with a point labeled 'a' and a line segment labeled 'b'.

Diagram of a crane boom. The boom is 10m long and weighs 5000N. A counterweight of 10000N is at the base. A load of 15000N is at the end. The boom is supported by a cable at 30 degrees.

$4 \times 5(A_1) = 5 \times 8 = 6 \times 6 =$

5X5 III 3X4

200312

++
R=-1465 RW=142 U=263 W=3.5"
01-107/ 162 P=5337 U=548 W=11 214"

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Wave

****WARNING**** READ
****IMPORTANT**** FURNISH THIS DESIGN TO
 Trusses require extreme care in fabricating. Please
 follow the latest edition of BCSI (Bridges in Construction Specifications Institute)

practices prior to performing these
unless noted otherwise, top chord sha
shall have a properly attached rigid
shall have bracing installed per BCST

ALFINE

any failure to build the truss in con-
formity with the drawings. The
bracing of trusses. Apply plates to
Details, unless noted otherwise. Ref.
drawing or cover page listing this drawing.

TW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

This design is based on lumber values in effect prior to June 1, 2012 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

Negative reaction(s) of -1464# MAX. (See below) from a non-wind load case requires uplift connection.

1110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

Right end vertical not exposed to wind pressure.
left cantilever is exposed to wind

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

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

80x or Gun (0.135"x3.5",min.)nails @ 6" OC.

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.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and

uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for design of temporary bracing.

$$\begin{array}{rcl} 3 \times 6 & \equiv & 4 \times 10 (P) \equiv 4 \times 6 \equiv 1 \times 4 \\ 5 \times 8 & \equiv & 7 \times 10 \equiv \end{array}$$
[illegible]
$$\begin{array}{rcl} 5X8(R) \equiv & 6X6 \equiv & 6X10 \equiv \\ 4X5 \equiv & & \\ S0612 \equiv & 6X6(R) \equiv & 4X5 \equiv \\ & & 6X8 \equiv \end{array}$$

ports

11-0-0

DOUGLAS
LICENSE
R=4535 U=500 W=8"

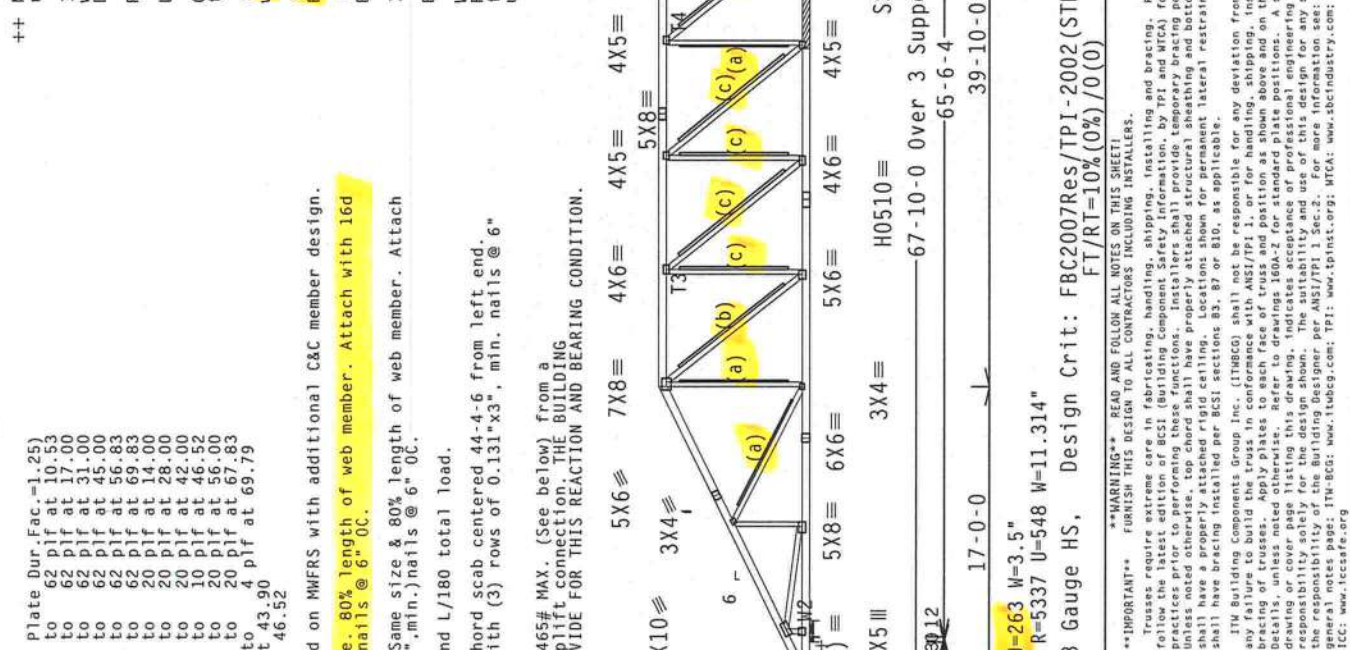
10.3.11.0209.28	FL / - 4 / - / R / -	Scale
No. 66648	TC LL	20.0 PSF
	REF	R48
	DATE	

STATE OF
IC DL 10.0 PSF
DATE
BC DL 10.0 PSF
DRW HCUSR

BC LL	0.0 PSF	HC-ENG D
TOT.LD.	40.0 PSF	SEQN -

PROFESSIONAL ENGINEER This structure is This job's	DUR.FAC.	1.25
	SPACING	24.0"
		JREF- 1U

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	



A circular professional engineer seal for Douglas Fleming, State of Florida. The outer ring contains the text "DOUGLAS FLEMING" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, it says "LICENSE" on the left and "STATE OF FLORIDA" on the right. In the center, there is a five-pointed star above the license number "No. 68648". To the left of the license number, the expiration date "10-08-11 0209:29" is printed vertically. A diagonal line is drawn across the seal from the bottom left towards the center. There are two small stars, one above and one below the license number. At the very bottom of the seal, there is some faint, partially obscured text that appears to say "The Joint Board of Professional Engineers...".

17-0-0 39-10-0-0

-263 W-3.5"
R=5337 U=548 W=11.314"

3 Gauge HS, Design Crit: FBC2007Res/TP1-2002(ST
FT/RT=10%(0%)/0(O)

****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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and MTA) practices prior to performing these functions. Installers shall provide temporary bracing for all trusses. Trusses shall be braced in accordance with the design drawings. If the drawings 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.

TP1 Building Components Group Inc. (TPBGC) shall not be responsible for any deviation from any feature to build the truss in conformance with ANSI/TP1 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 details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility for the design shown. The user of the design shall assume full responsibility for the design. For more information, please visit the ANSI/TP1 web site at www.ansi/tp1.org and use of this design or any other design shall be at the user's sole risk. For general notes pages: TP1-BCSI: www.tlucbcs.com; TPI: www.tlucbcs.com; MTA: www.abcdindustry.com; and www.tccsfac.org

++
R=-1465 Rw=142 U
RL=197/-163
PLT TYP. 20 Gauge HS, 18
Wave

ALPINE

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

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

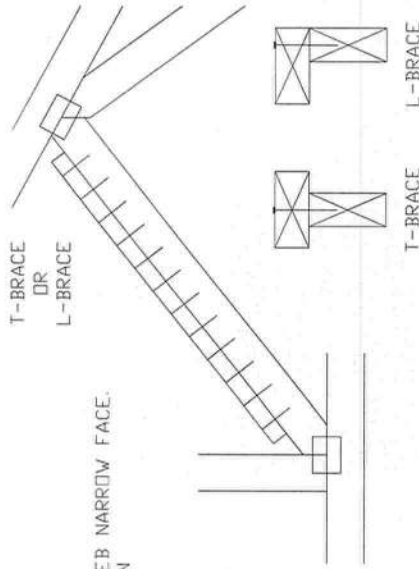
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

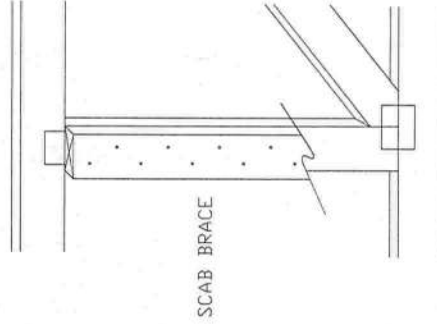
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3" MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



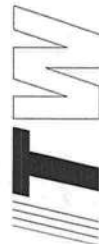
SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3" MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety) Information, by TPI and VITCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all components shall be properly attached to the truss members and bottom chord shall be properly attached to the truss members. See this job's general notes page for more information regarding BCSI sections B3 & B7.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. Building Components Group Inc. (ITV/BCG) shall not be responsible for any deviation from the design or installation of the truss system. The design and installation of the truss system shall be the responsibility of the truss designer. The building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2 www.iccsafe.org (ITV/BCG: www.itvbcg.com; TPI: www.tpi.net; VITCA: www.vitca.com; ICC: www.iccsafe.org)



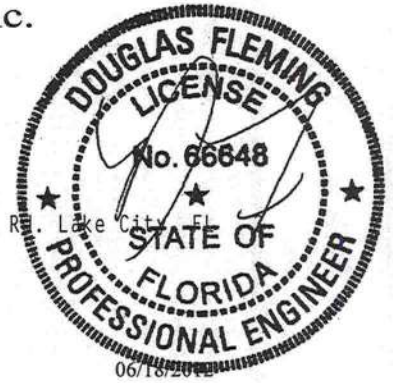
Building Components Group Inc.

Earth City, MO 63045

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

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 2 of 2 Document ID:1UMZ487-Z0118164432



Truss Fabricator: Anderson Truss Company
Job Identification: 12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd., Lake City, FL
Truss Count: 150
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 10.03.
Structural Engineer of Record: The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -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: BRCLBSUB-PB120-

#	Ref	Description	Drawing#	Date
115	29437--H19B	61'2" Stepd	12167028	06/15/12
116	29438--H21B	59'2" Stepd	12167016	06/15/12
117	29439--H11C		12167035	06/15/12
118	29440--H13C		12167037	06/15/12
119	29441--H15C		12167019	06/15/12
120	29442--H17C		12167024	06/15/12
121	29443--H7C		12167002	06/15/12
122	29444--H9C		12167029	06/15/12
123	29445--D		12167015	06/15/12
124	29446--H11D		12167008	06/15/12
125	29447--H13D		12167010	06/15/12
126	29448--H15D		12167013	06/15/12
127	29449--H17D		12167014	06/15/12
128	29450--H7D		12167022	06/15/12
129	29451--H9D		12167039	06/15/12
130	29452--E		12167033	06/15/12
131	29453--ES		12167001	06/15/12
132	29454--ES		12167034	06/15/12
133	29455--CJ1		12167004	06/15/12
134	29456--CJ1C		12167020	06/15/12
135	29457--CJ3		12167042	06/15/12
136	29458--CJ3C		12167030	06/15/12
137	29459--CJ5		12167040	06/15/12
138	29460--EJ7		12167017	06/15/12
139	29461--EJ7S		12167018	06/15/12
140	29462--EJ9		12167041	06/15/12
141	29463--HJ5		12167007	06/15/12
142	29464--HJ7		12167003	06/15/12
143	29465--HJ7C		12167012	06/15/12
144	29466--HJ9		12170112	06/18/12
145	29467--HJ9C		12167036	06/15/12
146	29468--K		12167006	06/15/12
147	29469--KS		12167005	06/15/12
148	29470--MG		12167023	06/15/12
149	29471--M		12167031	06/15/12
150	29472--MS		12167038	06/15/12

ALPINE



(12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd. Lake City, FL 3 - H198 61'2" Stepped Hip)

Top chord 2x6 SP #2 :T1, T6 2x4 SP #1:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

(b) 1x4 #3SR8 SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

(c) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.

110 mph wind, 15.41 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1W=1.00 GCpi (+/-)=0.18

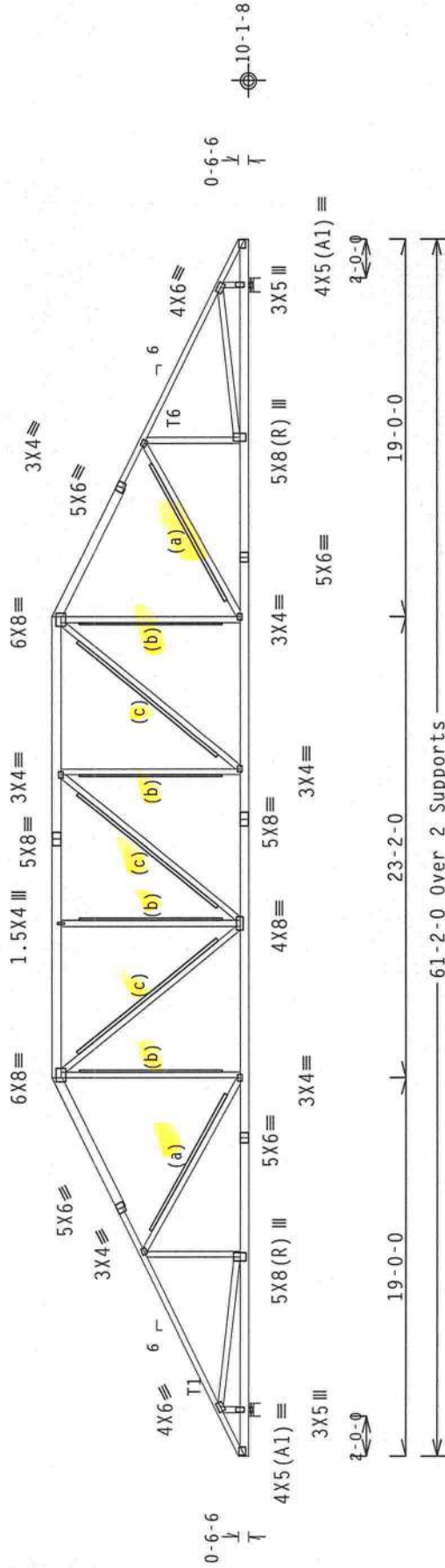
Wind loads and reactions based on MWFRS with additional C&C member design.

(a) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 15.41 ft. from roof edge.



R=2519 U=0 W=8"

R=2519 U=0 W=8"
RL=220/-220

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

PLT TYP. Wave

FL/-/4/-/-/R/-

Scale =.125"/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 the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for details and practices prior to performing these functions. Installers shall provide temporary bracing per the details indicated otherwise. Trusses shall be properly attached structurally, bracing and bottom chord bracing shall be installed prior to lifting. Trusses shall be braced in accordance with the details shown. Trusses 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 Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on any failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installing or bracing of trusses. Responsibility for the design shown. The suitability and use of this design for any structure is the responsibility of the user. ITW Building Components Group Inc. 11W-860: www.itwbcg.com; TPI: www.tpi.net; WCA: www.wcaindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF R487--	29437
TC DL	10.0 PSF	DATE	06/15/12
BC DL	10.0 PSF	DRW	HCUSR487 12167028
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	262397
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UMZ487_Z01

(12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd. Lake City, FL 3 - H21B 59'2" Stepped Hip)

Top chord 2x6 SP #2 :T1, T6 2x4 SP #1:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W2, W16 2x4 SP #2:

Left cantilever is exposed to wind

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

(c) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Deflection meets L/240 live and L/180 total load.

MMFRS loads based on trusses located at least 15.91 ft. from roof edge.

110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

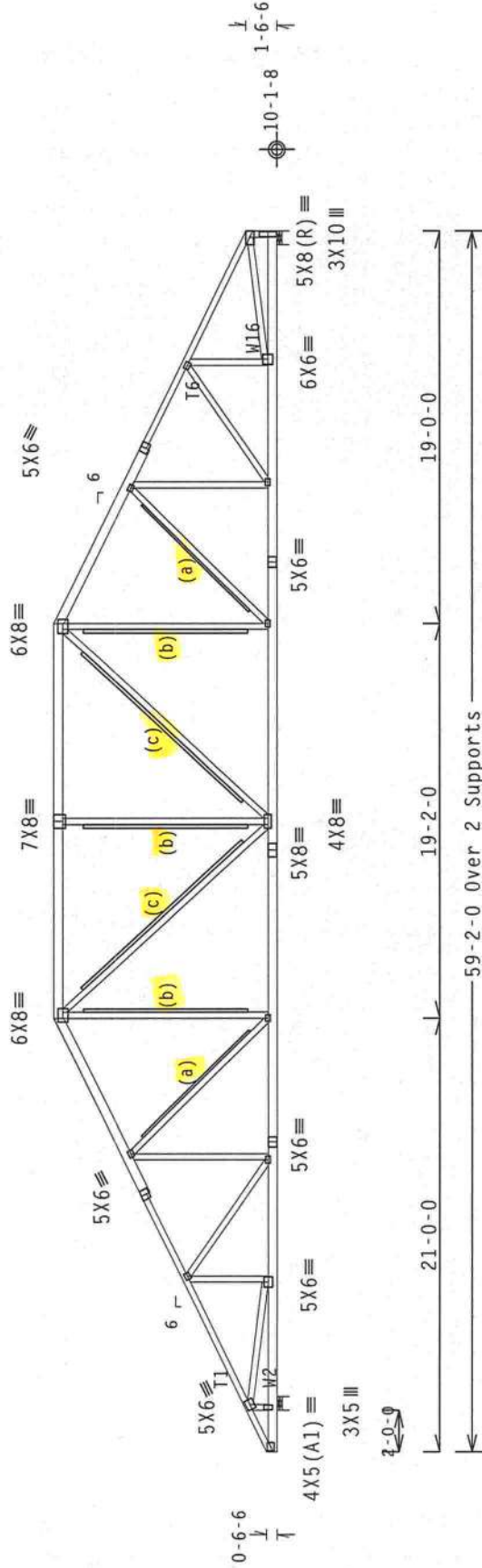
Wind loads and reactions based on MMFRS with additional C&C member design.

(b) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.)nails @ 6" OC.

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.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



R=2872 U=0 W=8"
RL=236/-228

R=2688 U=0 W=8"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .125" / Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**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 details and practices prior to performing these functions. Installers shall provide temporary bracing per the drawings. 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.		10.0.04/0607.16 10.0.04/0607.16		FL / - / 4 / - / - / R / -	
	IMPORTANT ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from 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 ICC: www.tccsafe.org ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.bcsiindustry.com		10.0.04/0607.16 10.0.04/0607.16		TC LL 20.0 PSF	
	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.		10.0.04/0607.16 10.0.04/0607.16		TC DL 10.0 PSF	
	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.		10.0.04/0607.16 10.0.04/0607.16		BC DL 10.0 PSF	
	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.		10.0.04/0607.16 10.0.04/0607.16		BC LL 0.0 PSF	
			TOT.LD. 40.0 PSF			HC-ENG DF/DF
DUR.FAC. 1.25			JREF- LUMZ487_Z01		SPACING 24.0"	

(12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd. Lake City, FL 3 - H11C)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

(b) 1x4 #3SR8 SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.

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

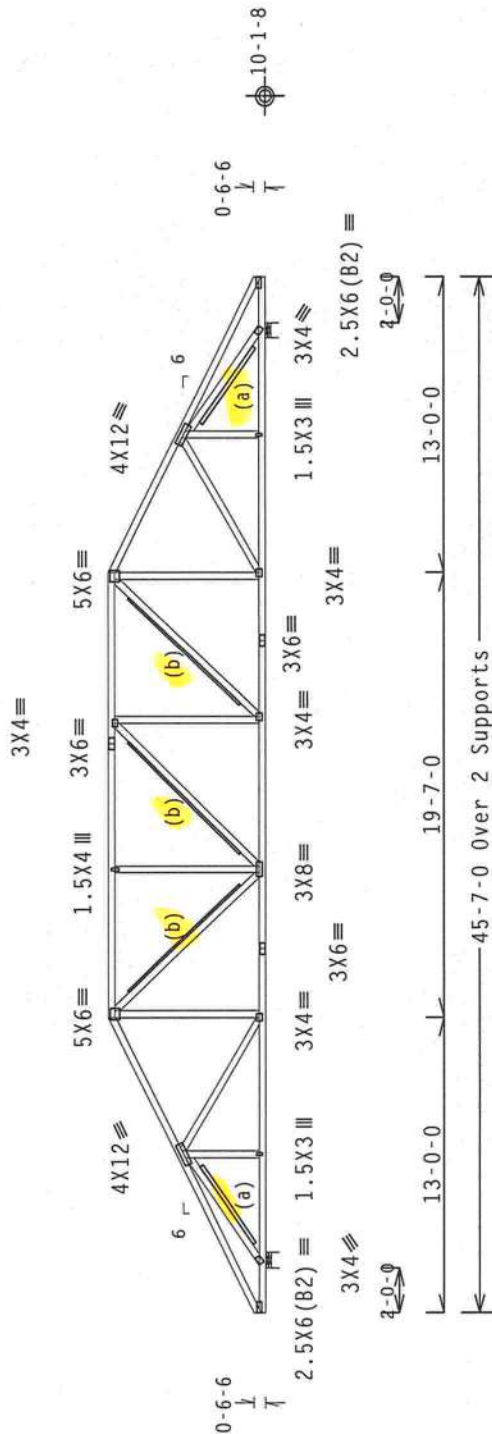
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1W=1.00 GCpl(+/-)=0.18

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

(a) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



R=1877 U=168 W=8"
RL=145/-145

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

PLT TYP. Wave	Scale = .125" / Ft.
REF R487 -- 29439	FL / - / 4 / - / R / -
DATE 06/15/12	TC LL 20.0 PSF
DRW HCUSR487 12167035	TC DL 10.0 PSF
HC-ENG DF/DF	BC DL 10.0 PSF
SEQN - 263210	BC LL 0.0 PSF
DUR.FAC. 1.25	TOT.LD. 40.0 PSF
SPACING 24.0"	

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 MICA) for details. Trusses shall be installed in accordance with the manufacturer's instructions. Unless otherwise noted, all trusses shall be installed with the top chord facing up. Trusses shall have a properly attached rigid ceiling. 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. Trusses shall be installed in accordance with ANSI/TPI 1, or for handling, shipping, installing, 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 180A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering. 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; MICA: www.bcsiindustry.com; ICC: www.iccsafe.org

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

(12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd. Lake City, FL 3 - H17C)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left cantilever is exposed to wind

(a) 1x4 #3SR8 SPF-S or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

(c) 2x6 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

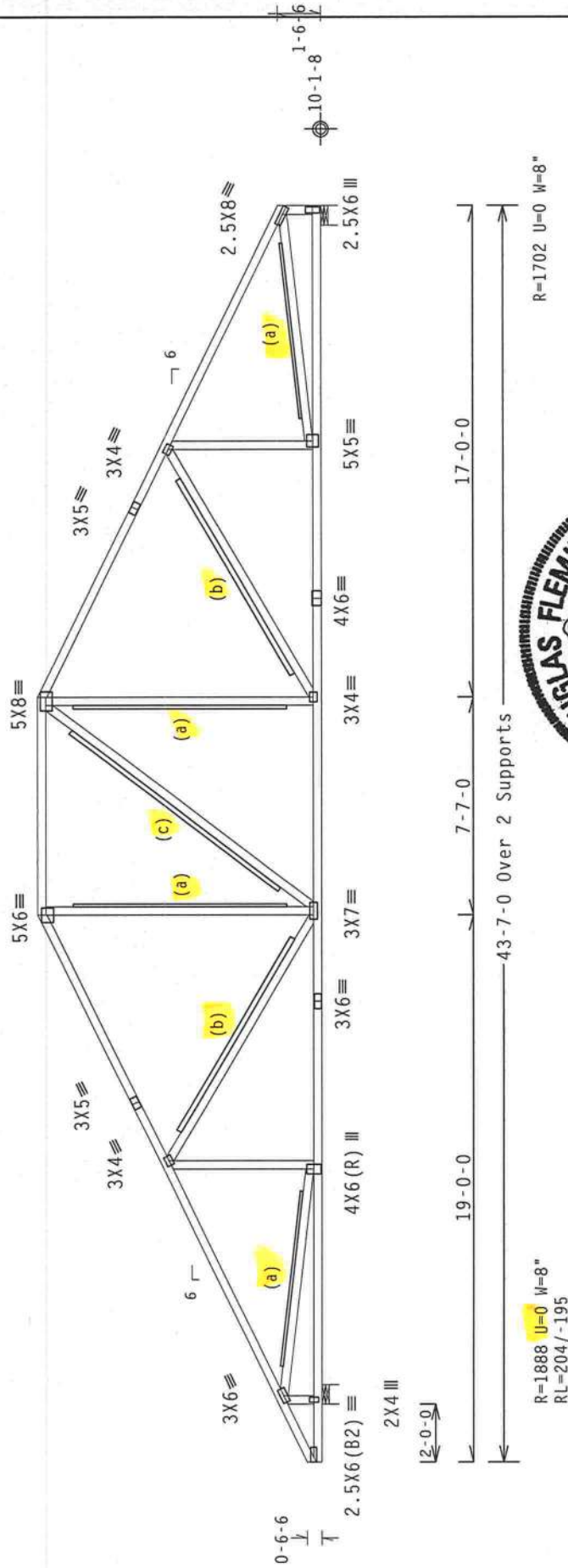
MWFRS loads based on trusses located at least 15.41 ft. from roof edge.

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

(b) 2x4 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave

FL/-/4/-/-/R/- Scale = .1875"/ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**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 TPI and MTCA) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of top 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 design. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint. 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; MTCA: www.bctindustry.com; ICC: www.iccsafe.org		REF	R487 --	29442
			TC LL	20.0 PSF	
			TC DL	10.0 PSF	DATE 06/15/12
			BC DL	10.0 PSF	DRW HCUSR487 12167024
			BC LL	0.0 PSF	HC-ENG DF/DF
10-04-04 0603 JG TY: 10-04-04 0603 JG Douglas Fleming LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 06/18/2012	TOT.LD.		40.0 PSF	SEQN-	263257
	DUR.FAC.		1.25		
	SPACING		24.0"	JREF-	1UMZ487_Z01

Top chord 2x4 SP #1 :T2, T3 2x6 SP #2:

	#1	#2	#3
Top chord	2x4	SP	SP
Bot chord	2x6	SP	SP
Web	2x4	SP	SP

Left and right cantilevers are exposed to wind

(a) 1x4 #3SR8 SPF-S or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

Left side jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang. End jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang. Right side jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi (+/-)=0.18

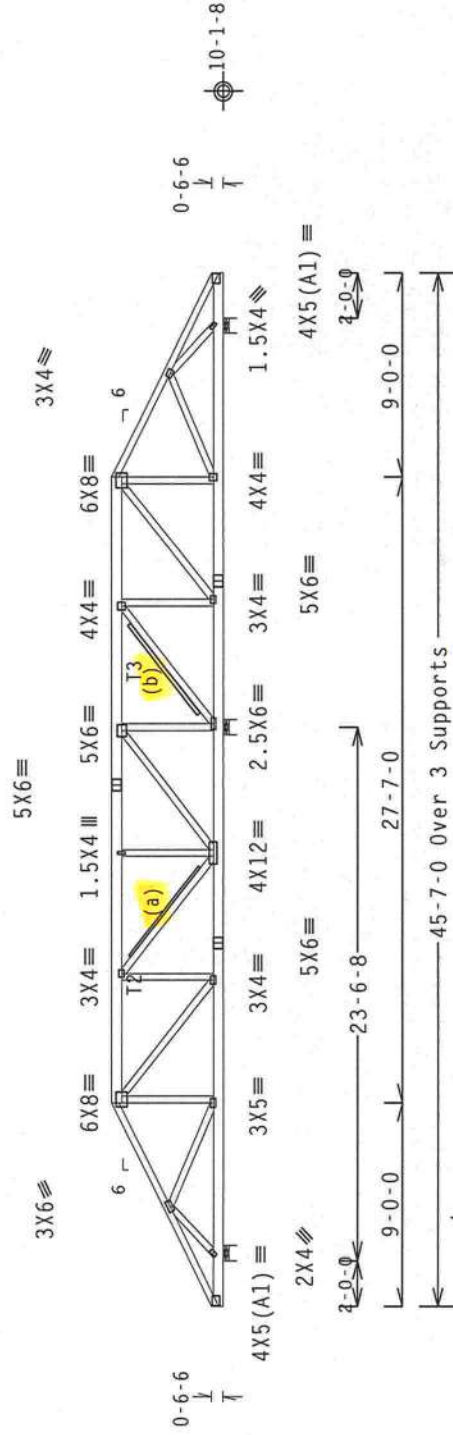
Wind loads and reactions based on MWFRS with additional C&C member design.

(b) 2x6 #3 or better "T" brace. 80% Length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.) nails @ 6" OC.

#1 hip supports 9-0-0 jacks W/2 panel TC and no end vert.

Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



R=1828 U=162 W=8"

R=4285 U=392 R=1222 U=107 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

FL/-/4/-/-/R/-
Scale = .125"/Ft.

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 EIGHTS THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. RMC shall follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) for the design and erection of trusses. Trusses shall be braced in accordance with the BCSI recommendations. Unstayed otherwises top chords shall have properly attached structural sheathing and bottom chords shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBC) shall not be responsible for any deviation from the design of the trusses shown on this drawing. ITWBC shall not be responsible for any failure to build the trusses in conformance with ANSI/APA 109 for handling, shipping, installation, or erection of trusses. Apply plates to each face of trusses and position as shown and on the details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A sea drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The authenticity and use of this design for any structure is the responsibility of the Building Designer per ANSI/APA 109 Sec. 2. For more information see: ITW Building Components Group Inc., 11111 N. 160th Ave., Edina, MN 55425. For more information see: ITW Building Components Group Inc., 11111 N. 160th Ave., Edina, MN 55425. For more information see: ITW Building Components Group Inc., 11111 N. 160th Ave., Edina, MN 55425.

The seal is circular with a double-lined border. Inside the border, the text "No. 66648" is on the left, "STATE OF FLORIDA" is at the top, and "PROFESSIONAL ENGINEER" is at the bottom. A signature is written across the center. To the right of the seal, the date "06/18/2012" is printed vertically. Below the seal, the text "I hereby certify that the above is a true and correct copy of the original as filed in my office." is printed, followed by a line for a signature and the title "Professional Engineer".

TC LL	20.0 PSF	REF R487 - - 29443
TC DL	10.0 PSF	DATE 06/15/12
BC DL	10.0 PSF	DRW HCUSR487 12167002
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 263186
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UMZ487 Z01

ALPINE

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

Top	chord	2x4	SP	#1
Bot	chord	2x4	SP	#1
	webs	2x4	SP	#3

Left and right cantilevers are exposed to wind

(a) 1x4 #3SRB SPF-S 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.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

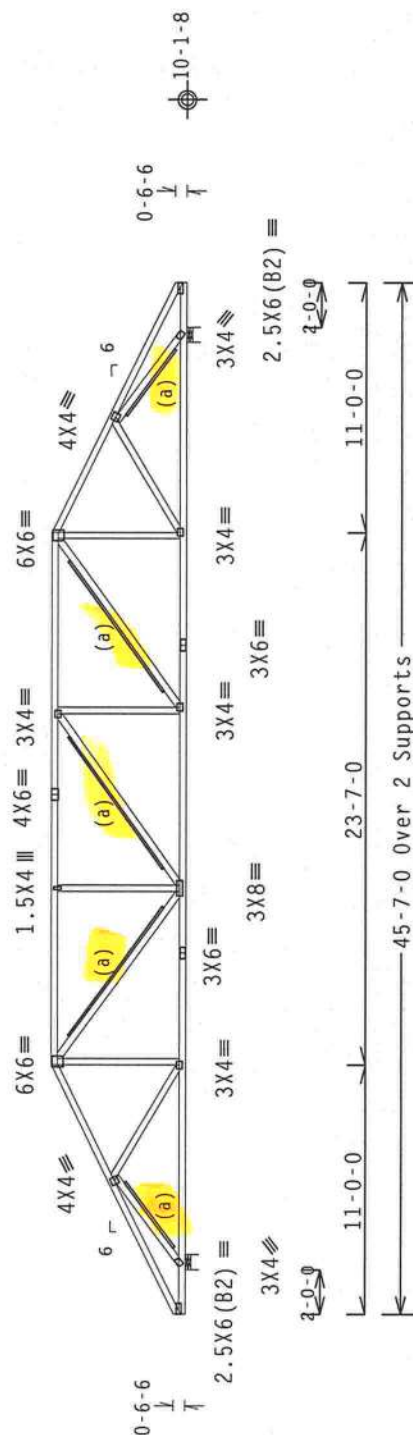
11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi (+/-)=0.18

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.

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



R=1877 U=171 W=8"
RL=122/-122

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

FL/-4/-/-R/-
Scale = .125"/Ft.

FL/-/4/-/-/R/-

CC LL	20.0 P
-------	--------

10.0 P

10	0	0
10	0	0
10	0	0

10.0

$$\frac{0.0}{77.2}$$

40.0 P

UR.FAC. 1.25

PACING 24.0"

PLT TYP. Wave

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

[illegible]

ITW Building Components Group Inc. (LINNGB) shall be responsible for any deviation from applicable codes or standards. The user assumes full responsibility for any failure to build the truss in accordance with ANSI/TPI-1, or for handling, shipping, installing or erecting the truss. Apply plates to each face of truss and position as shown above and on the Joist Connection Detail. Refer to drawings IBOA-2 for standard plate positions. A seal over the top chord joint is required. See details for fastener placement. Indicate acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the sole responsibility of the Building Designer per ANSI/TPI-1 Sec.2. For more information see: This Job # LINNGB; Website: www.linngroup.com; TPI website: tpi.net; WCA: www.wcaindustrial.com; ICC: www.iccsafe.org

general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WFA: www.sbcindustry.com;
CC: www.fccsafe.org

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 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.

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

FL/-/4/-/-/R/-

20.0	20.0
------	------

10 0 P

[illegible]

10.0 P

0.0 P

OT.LD. 40.0 P

1.25

DACTMC 24 0"

PACKING 24.0

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Left and right cantilevers are exposed to wind

(a) 1x4 #3SR8 SpF-S or better "I" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

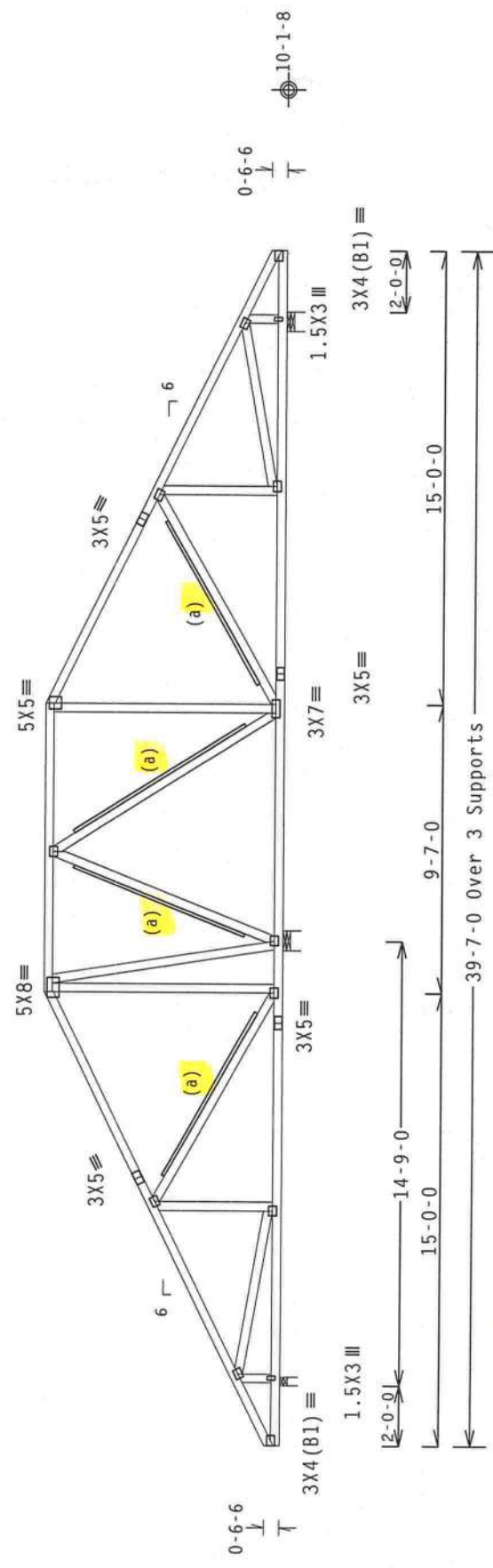
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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.



R=616 U=0 W=3.5"
RL=163/-163

R=1729 U=0 W=8"

R=916 U=0 W=8"

Note: All Plates Are 3x4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .1875"/Ft.

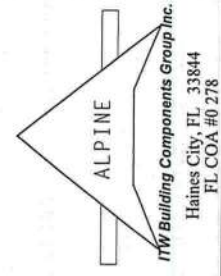
TC LL	20.0 PSF	REF	R487 - 29447
TC DL	10.0 PSF	DATE	06/15/12
BC DL	10.0 PSF	DRW	HCUSR487 12167010
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	262250
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UMZ487_Z01



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 Building Component Safety Information, by TPI and WCA, for details and practices prior to fabricating these trusses. The trusses are designed and manufactured in accordance with the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings, 13th Edition, 2005. The trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, 87 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from 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 Joints. Details, unless noted otherwise, refer to drawings 160A-2 for standard plate positions. A seal of the Building Designer is required on the drawings. The Building Designer shall be responsible for the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information, see the general notes page: ITW-BCG; www.itwbcg.com; TPI: www.tpinst.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org



Top	chord	2x4	SP	#1
Bot	chord	2x4	SP	#1
	webs	2x4	SP	#3

111110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Left and right cantilevers are exposed to wind

(a) 1x4 #3SR8 SPF-S 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.

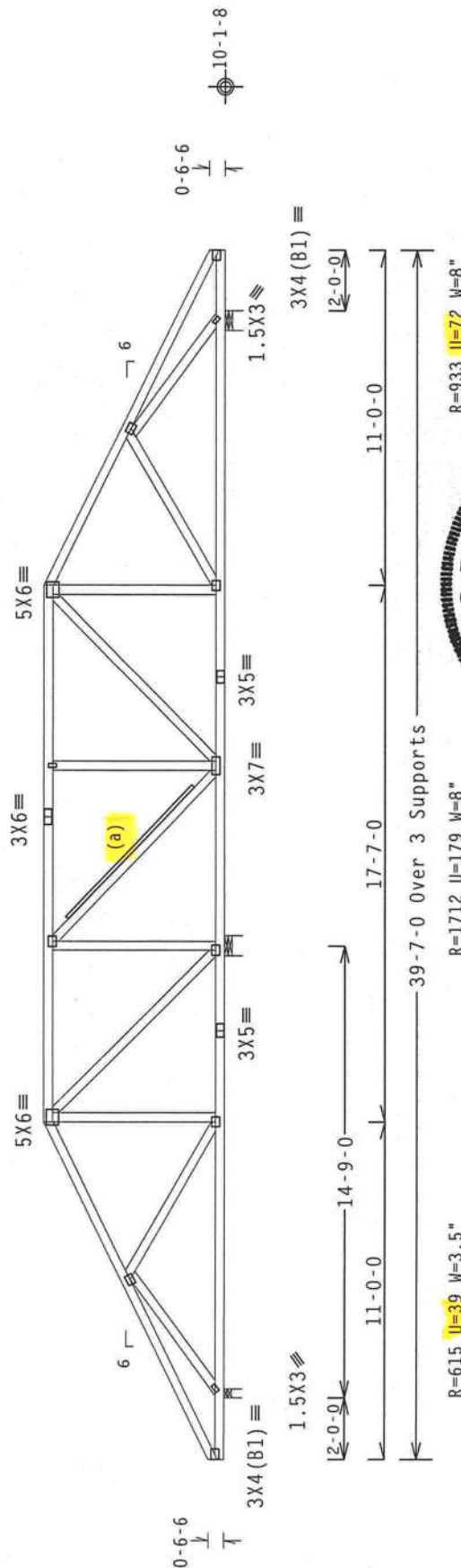
WWFRS loads based on trusses located at least 7.50 ft. from roof edge.

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.

1.5X3 III



R=615 U=39 W=3.5"
RL=119/-119

R=1712 U=179 W=8"

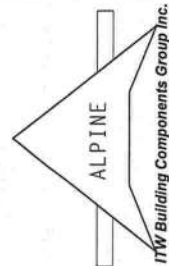
$R=933$ $II=72$ $W=8"$

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

FT/RT=10%(0%)/0(0)

FL / - / 4 / - / - / R / -
Scale = 1875" / Ft.

Haines City, FL 33844
FL COA #0 278

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

****IMPORTANT****

Trusses require extreme care in fabricating, shipping, handling, installing and bracing. Refer to the following for the latest edition of BCSI Building Component Safety Information, by FPI and MICA (or contact FPI for more information):

- **Truss Design:** This manual provides the design engineer with the information needed to design a truss. It includes design loads, design stresses, design details, and design specifications.
- **Truss Fabrication:** This manual provides the fabricator with the information needed to fabricate a truss. It includes material specifications, fabrication procedures, and inspection procedures.
- **Truss Shipping:** This manual provides the shipper with the information needed to ship a truss. It includes shipping procedures, handling procedures, and bracing procedures.
- **Truss Installation:** This manual provides the installer with the information needed to install a truss. It includes installation procedures, bracing procedures, and inspection procedures.

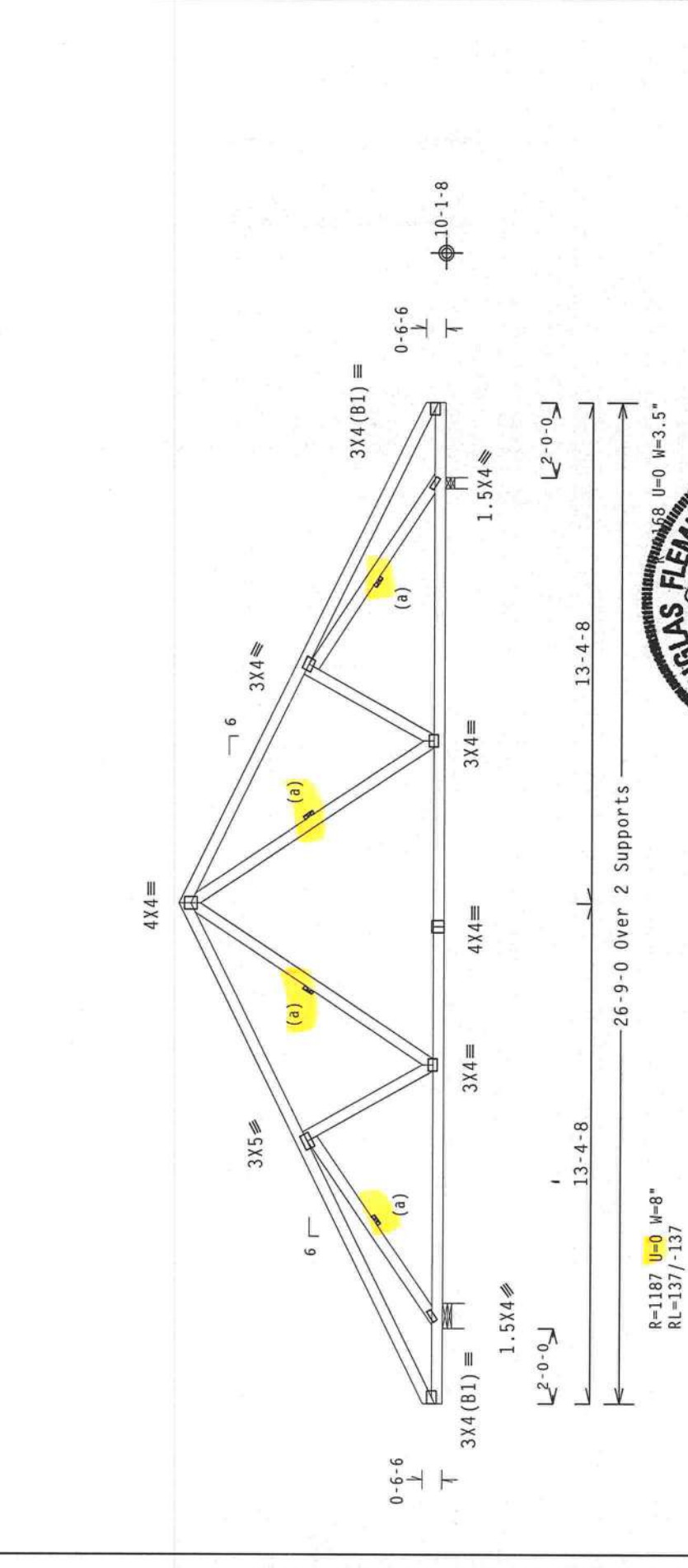
For more information, contact FPI at (800) 368-7263 or MICA at (800) 368-7264. For more information, contact FPI at (800) 368-7263 or MICA at (800) 368-7264.



TC LL	20.0	PSF	REF R487 -- 29451
TC DL	10.0	PSF	DATE 06/15/12
BC DL	10.0	PSF	DRW HCUR487 12167039
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 262222
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UM7487701

(12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd. Lake City, FL 3 - E)
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18
Wind loads and reactions based on MWFRS with additional C&C member design.
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.
MWFRS loads based on trusses located at least 30.00 ft. from roof edge.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

R-1187 U=0 W=8"
RL=137/-137

Scale = .25" / Ft.

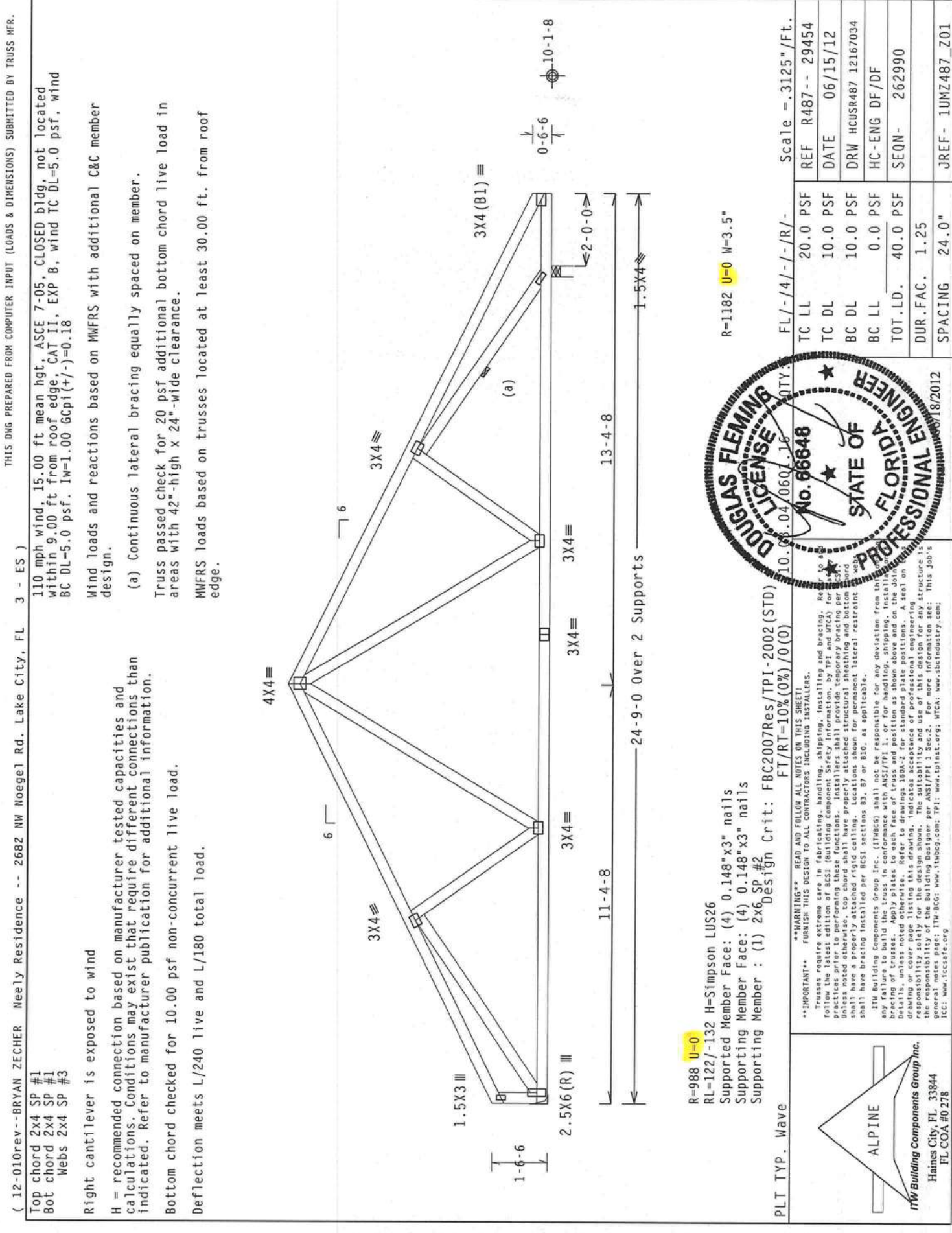
REF	R487--	29452
DATE	06/15/12	
DRW	HCUSR487	12167033
HC-ENG	DF/DF	
SEQN-	262825	
DUR.FAC.	1.25	
SPACING	24.0"	

ALPINE

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

Professional Engineer
Douglas Fleming
No. 66648
State of Florida
Professional Engineer
10/18/2012

ICC: www.iccsafe.org



Top chord 2x4 SP #1
Bot chord 2x4 SP #1

110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $W=1.00$ GCPI (+/-)=0.18

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

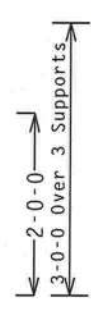
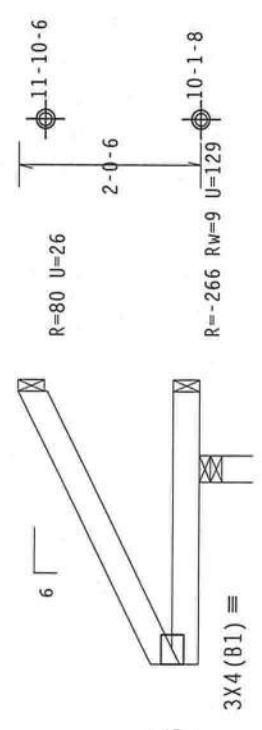
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Negative reaction(s) of -266# MAX. (See below) from a non-wind load case requires uplift connection.

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

Left and right cantilevers are exposed to wind

Deflection meets L/240 live and L/180 total load.



R=434 U=11 W=3.5"
RL=34

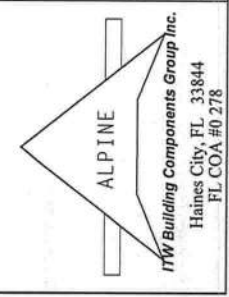
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale =.5"/Ft.	REF R487-- 29455
TC LL 20.0 PSF	DATE 06/15/12
TC DL 10.0 PSF	DRW HCUSR487 12167004
BC DL 10.0 PSF	HC-ENG DF/DF
BC LL 0.0 PSF	SEQN- 261636
TOT.LD. 40.0 PSF	DUR.FAC. 1.25
SPACING 24.0"	JREF- 1UMZ487_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 TPI and MTCA) for details. Trusses shall be installed in accordance with the instructions provided in the BCSI manual. Trusses shall have a properly attached rigid ceiling. 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 the any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, 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 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering. The responsibility of the Building Designer for the use of this design for any structure is general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MTCA: www.abctindustry.com; ICC: www.iccsafe.org



(12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd. Lake City, FL 3 - CJJC)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

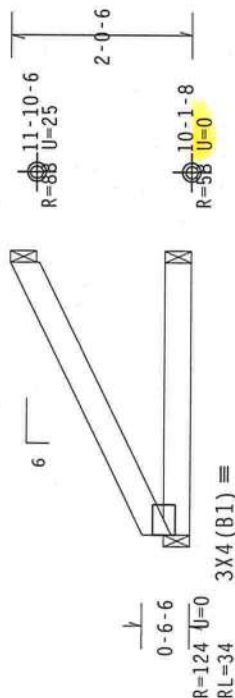
Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCPI(+/-)=0.18

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



3-0-0 over 3 Supports

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .5"/Ft.

FL/-4/-/-R/-

REF R487-- 29456
DATE 06/15/12
DRW HCUSR487 12167020

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"

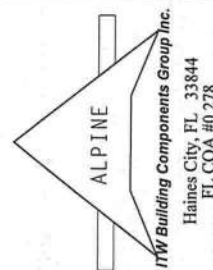
HC-ENG DF/DF
SEQN- 261741
JREF- 1UMZ487_Z01



****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 following notes for details. (Including Component Safety Information, by TPI and WCA) 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 of trusses 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. 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 truss shall indicate the date of installation. Indicates acceptance of professional engineering responsibility solely for the design and bracing. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org



Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

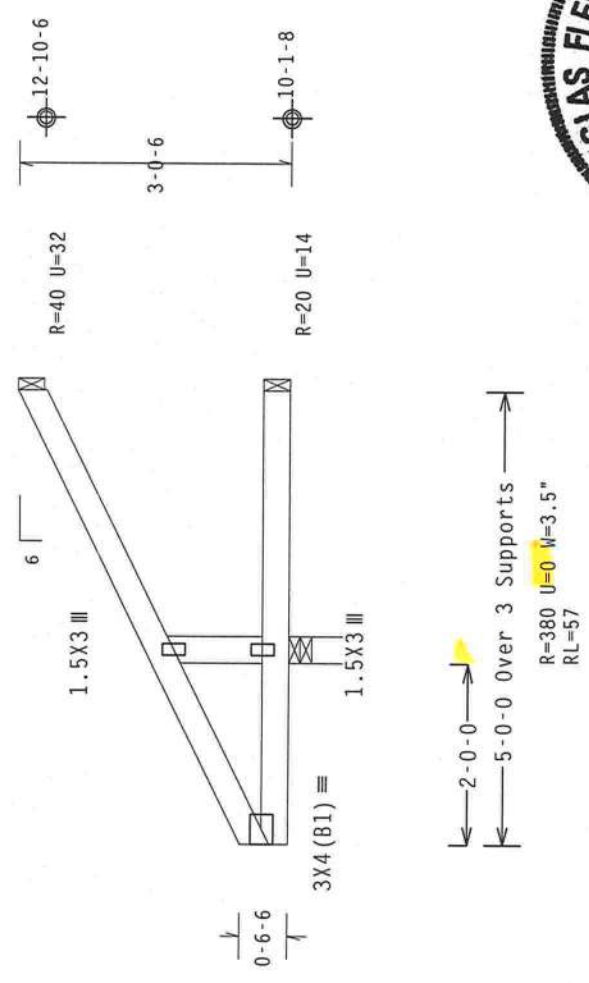
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 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.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

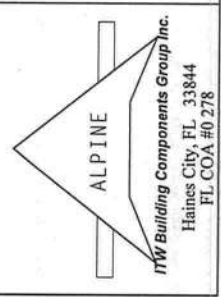
TC LL	20.0 PSF	REF	R487-- 29457
TC DL	10.0 PSF	DATE	06/15/12
BC DL	10.0 PSF	DRW	HCUSR487 12167042
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	261625
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UMZ487_Z01



****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 BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached rigid ceiling system. The suitability and use of this design for any structure shall be the responsibility of the user. For more information see: This Job's General Notes page: TPI-BCS: www.tpiinc.com; TPI: www.tpinet.org; WCA: www.bcsiindustry.com; ICC: www.iccsafe.org

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown. The suitability and use of this design for any structure shall be the responsibility of the user. For more information see: This Job's General Notes page: TPI-BCS: www.tpiinc.com; TPI: www.tpinet.org; WCA: www.bcsiindustry.com; ICC: www.iccsafe.org



Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)=0.18

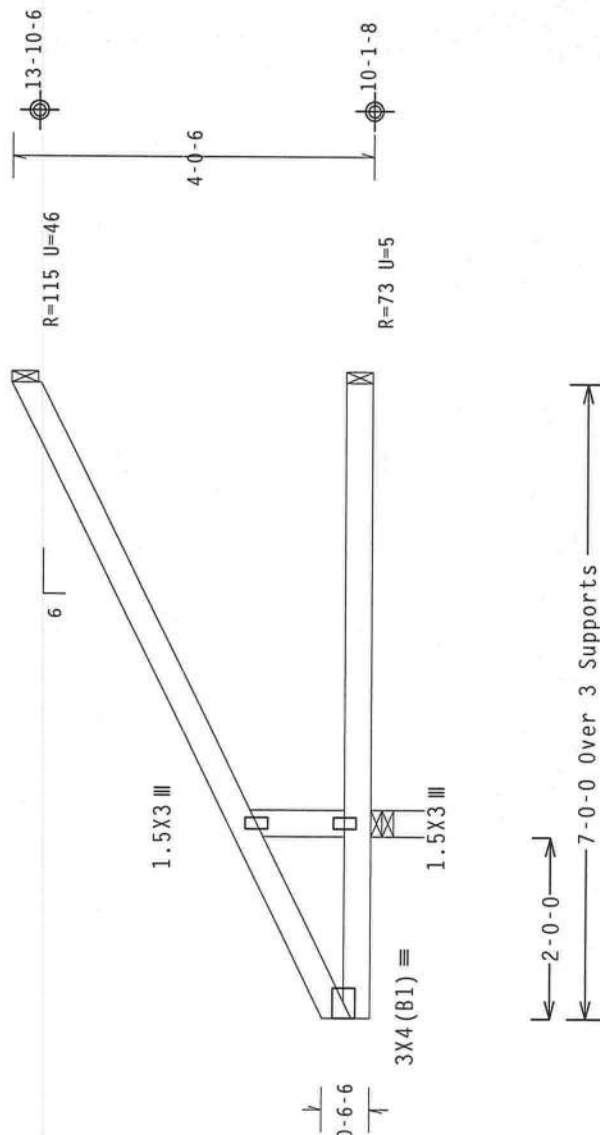
Left and right cantilevers are exposed to wind

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

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

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.

Deflection meets L/240 live and L/180 total load.



R=429 U=0 W=3.5"
RL=80

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

PLT TYP. Wave

TC LL	20.0 PSF	REF	R487-- 29459
TC DL	10.0 PSF	DATE	06/15/12
BC DL	10.0 PSF	DRW	HCUSR487 12167040
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	261628
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UMZ487_Z01



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 Component Safety Information, by TPI and WCA) for details of bracing. Trusses shall be braced in accordance with the BCSI (Building Component Safety Information, by TPI and WCA) details. Unless noted otherwise, top chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraining shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

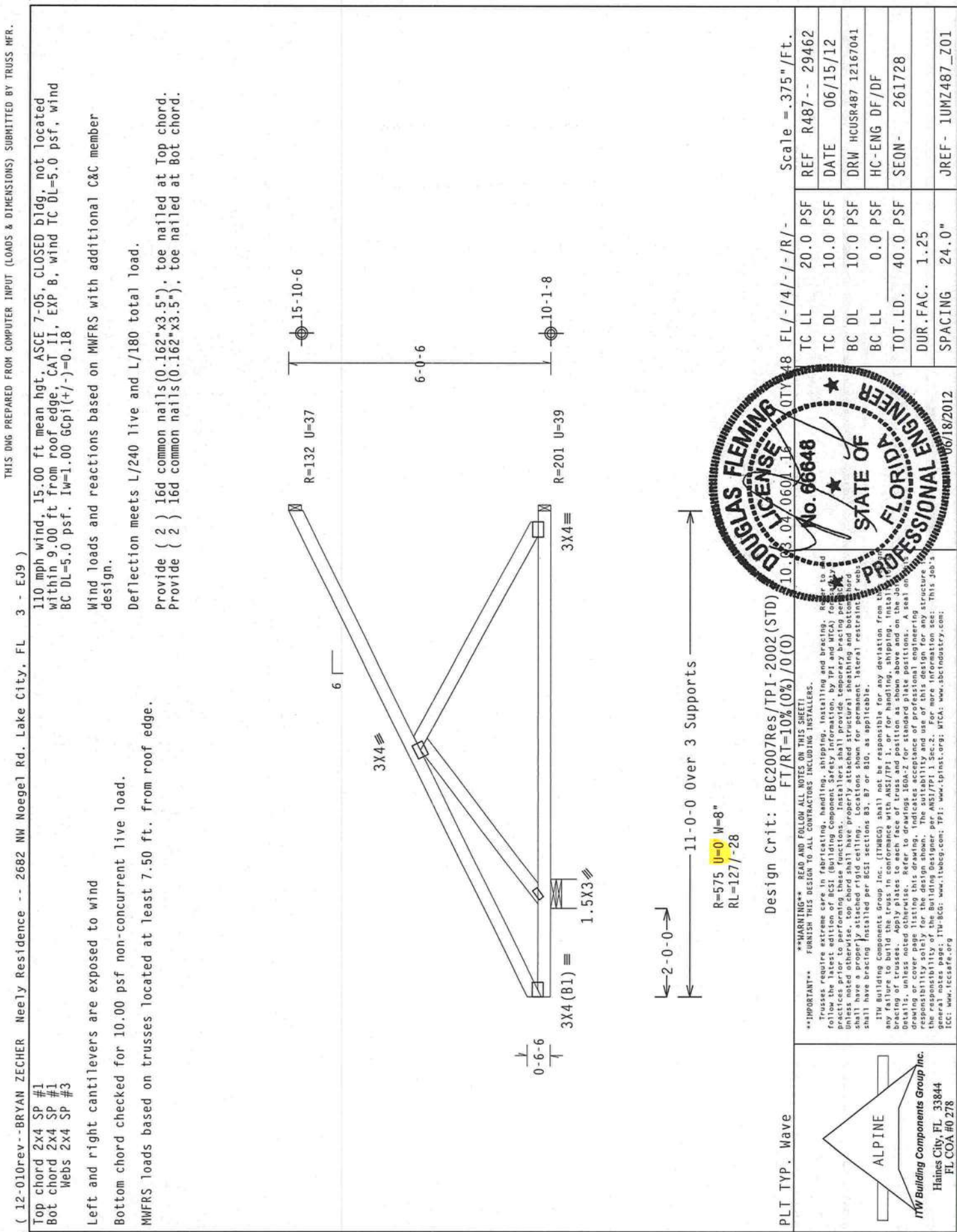
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal of approval is required for this drawing. Indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information, visit the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

FL COA #0 278



ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0778



110 mph wind, 16.39 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi (+/-)=0.18

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

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side, 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.

Deflection meets L/240 live and L/180 total load.

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.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

10.03.04.0603.16 TY: 2

NOTES ON THIS SHEET:
SEE INCLUDING INSTALLERS.

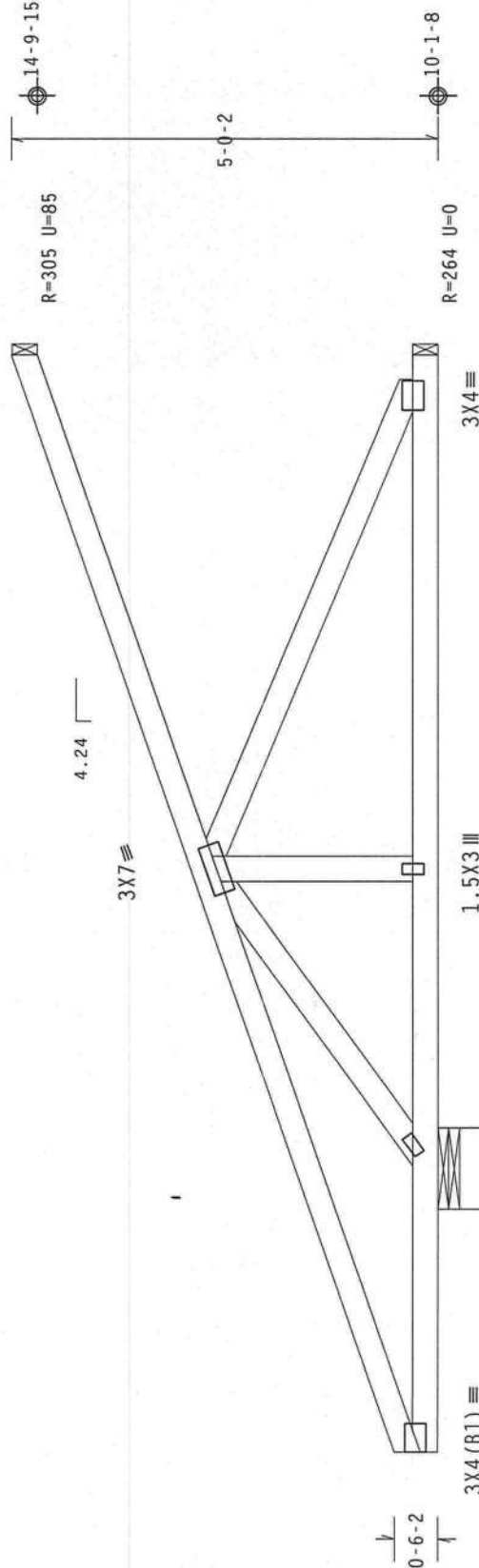
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BC51 (Building Component Safety Information, by IPI and MICA) for complete details on the design, fabrication, handling, shipping, installation and bracing of trusses. Unless noted otherwise, top chord shall have properly attached vertical bracing per BC51. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BC51 sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) will not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1 for welding, shipping, bracing of trusses. Apply plates to each face of truss and position as shown above and on the details. Details, unless noted otherwise. Refer to drawings 160A-2 For standard plate positions. A seal drawing or cover plate 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. Please contact ITWBCG, 1 Sec 2, for more information see: ITWBCG, 160A-2, 160A-3, 160A-4, 160A-5, 160A-6, 160A-7, 160A-8, 160A-9, 160A-10, 160A-11, 160A-12, 160A-13, 160A-14, 160A-15, 160A-16, 160A-17, 160A-18, 160A-19, 160A-20, 160A-21, 160A-22, 160A-23, 160A-24, 160A-25, 160A-26, 160A-27, 160A-28, 160A-29, 160A-30, 160A-31, 160A-32, 160A-33, 160A-34, 160A-35, 160A-36, 160A-37, 160A-38, 160A-39, 160A-40, 160A-41, 160A-42, 160A-43, 160A-44, 160A-45, 160A-46, 160A-47, 160A-48, 160A-49, 160A-50, 160A-51, 160A-52, 160A-53, 160A-54, 160A-55, 160A-56, 160A-57, 160A-58, 160A-59, 160A-60, 160A-61, 160A-62, 160A-63, 160A-64, 160A-65, 160A-66, 160A-67, 160A-68, 160A-69, 160A-70, 160A-71, 160A-72, 160A-73, 160A-74, 160A-75, 160A-76, 160A-77, 160A-78, 160A-79, 160A-80, 160A-81, 160A-82, 160A-83, 160A-84, 160A-85, 160A-86, 160A-87, 160A-88, 160A-89, 160A-90, 160A-91, 160A-92, 160A-93, 160A-94, 160A-95, 160A-96, 160A-97, 160A-98, 160A-99, 160A-100, 160A-101, 160A-102, 160A-103, 160A-104, 160A-105, 160A-106, 160A-107, 160A-108, 160A-109, 160A-110, 160A-111, 160A-112, 160A-113, 160A-114, 160A-115, 160A-116, 160A-117, 160A-118, 160A-119, 160A-120, 160A-121, 160A-122, 160A-123, 160A-124, 160A-125, 160A-126, 160A-127, 160A-128, 160A-129, 160A-130, 160A-131, 160A-132, 160A-133, 160A-134, 160A-135, 160A-136, 160A-137, 160A-138, 160A-139, 160A-140, 160A-141, 160A-142, 160A-143, 160A-144, 160A-145, 160A-146, 160A-147, 160A-148, 160A-149, 160A-150, 160A-151, 160A-152, 160A-153, 160A-154, 160A-155, 160A-156, 160A-157, 160A-158, 160A-159, 160A-160, 160A-161, 160A-162, 160A-163, 160A-164, 160A-165, 160A-166, 160A-167, 160A-168, 160A-169, 160A-170, 160A-171, 160A-172, 160A-173, 160A-174, 160A-175, 160A-176, 160A-177, 160A-178, 160A-179, 160A-180, 160A-181, 160A-182, 160A-183, 160A-184, 160A-185, 160A-186, 160A-187, 160A-188, 160A-189, 160A-190, 160A-191, 160A-192, 160A-193, 160A-194, 160A-195, 160A-196, 160A-197, 160A-198, 160A-199, 160A-200, 160A-201, 160A-202, 160A-203, 160A-204, 160A-205, 160A-206, 160A-207, 160A-208, 160A-209, 160A-210, 160A-211, 160A-212, 160A-213, 160A-214, 160A-215, 160A-216, 160A-217, 160A-218, 160A-219, 160A-220, 160A-221, 160A-222, 160A-223, 160A-224, 160A-225, 160A-226, 160A-227, 160A-228, 160A-229, 160A-230, 160A-231, 160A-232, 160A-233, 160A-234, 160A-235, 160A-236, 160A-237, 160A-238, 160A-239, 160A-240, 160A-241, 160A-242, 160A-243, 160A-244, 160A-245, 160A-246, 160A-247, 160A-248, 160A-249, 160A-250, 160A-251, 160A-252, 160A-253, 160A-254, 160A-255, 160A-256, 160A-257, 160A-258, 160A-259, 160A-260, 160A-261, 160A-262, 160A-263, 160A-264, 160A-265, 160A-266, 160A-267, 160A-268, 160A-269, 160A-270, 160A-271, 160A-272, 160A-273, 160A-274, 160A-275, 160A-276, 160A-277, 160A-278, 160A-279, 160A-280, 160A-281, 160A-282, 160A-283, 160A-284, 160A-285, 160A-286, 160A-287, 160A-288, 160A-289, 160A-290, 160A-291, 160A-292, 160A-293, 160A-294, 160A-295, 160A-296, 160A-297, 160A-298, 160A-299, 160A-300, 160A-301, 160A-302, 160A-303, 160A-304, 160A-305, 160A-306, 160A-307, 160A-308, 160A-309, 160A-310, 160A-311, 160A-312, 160A-313, 160A-314, 160A-315, 160A-316, 160A-317, 160A-318, 160A-319, 160A-320, 160A-321, 160A-322, 160A-323, 160A-324, 160A-325, 160A-326, 160A-327, 160A-328, 160A-329, 160A-330, 160A-331, 160A-332, 160A-333, 160A-334, 160A-335, 160A-336, 160A-337, 160A-338, 160A-339, 160A-340, 160A-341, 160A-342, 160A-343, 160A-344, 160A-345, 160A-346, 160A-347, 160A-348, 160A-349, 160A-350, 160A-351, 160A-352, 160A-353, 160A-354, 160A-355, 160A-356, 160A-357, 160A-358, 160A-359, 160A-360, 160A-361, 160A-362, 160A-363, 160A-364, 160A-365, 160A-366, 160A-367, 160A-368, 160A-369, 160A-370, 160A-371, 160A-372, 160A-373, 160A-374, 160A-375, 160A-376, 160A-377, 160A-378, 160A-379, 160A-380, 160A-381, 160A-382, 160A-383, 160A-384, 160A-385, 160A-386, 160A-387, 160A-388, 160A-389, 160A-390, 160A-391, 160A-392, 160A-393, 160A-394, 160A-395, 160A-396, 160A-397, 160A-398, 160A-399, 160A-400, 160A-401, 160A-402, 160A-403, 160A-404, 160A-405, 160A-406,

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

Haines City, FL 33844
FL COA #0278

Provide (3) 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.



R=576 U=75 W=11.314"

FL/-/4/-/-/R/-
Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487-- 29464
TC DL	10.0	PSF	DATE 06/15/12
BC DL	10.0	PSF	DRW HCUSR487 12167003
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 263169
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UMZ487_Z01



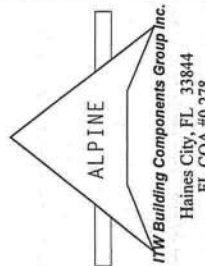
****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET**
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

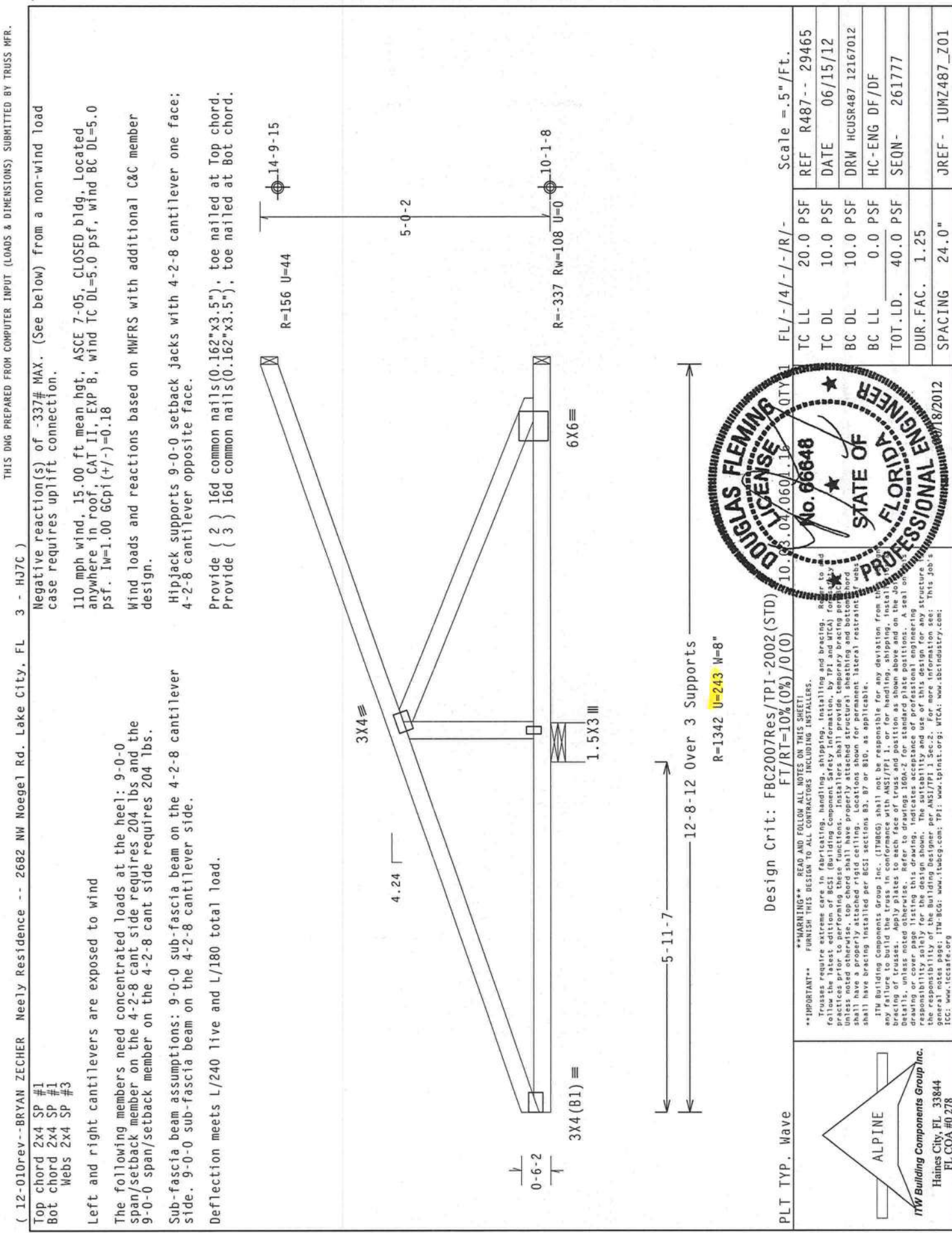
****IMPORTANT****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following the latest edition of BCSI Building Component Safety Information, by TPI and WCA for complete details. Trusses are designed to be installed with the top chord braced with structural sheathing and bottom chord braced with a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ITW (WCBG) shall not be responsible for any deviation from this design due to any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plate to each face of truss and position as shown above and on the joint to match 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 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: The general notes page: www.itw-ibc.com; TPI: www.tpi.com; WCA: www.bcsiindust.com.

PLT TYP. Wave





(12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd. Lake City, FL 3 - HJ7C)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

The following members need concentrated loads at the heel: 9-0-0 span/setback member on the 4-2-8 cant side requires 204 lbs and the 9-0-0 span/setback member on the 4-2-8 cant side requires 204 lbs.

Sub-fascia beam assumptions: 9-0-0 sub-fascia beam on the 4-2-8 cantilever side. 9-0-0 sub-fascia beam on the 4-2-8 cantilever side.

Deflection meets L/240 live and L/180 total load.

Negative reaction(s) of -337# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpi (+/-)=0.18

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

Hipjack supports 9-0-0 setback jacks with 4-2-8 cantilever one face; 4-2-8 cantilever opposite face.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

Scale = .5" / Ft.

PLT TYP. Wave

ALPINE

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



Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and MTCA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraints 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 design shown. The truss is designed in accordance with ANSI/TPI 1 for handling, shipping, unloading, and erection. Details shall be in accordance with ANSI/TPI 1 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; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MTCA: www.mtcaindustry.com; IBC: www.ibccode.org

(12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd. Lake City, FL 3 - H09)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean ht., ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II.
EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 Gcpi (+/-)=0.18

Left cantilever is exposed to wind

(H1) = (J) Hanger not calculated (2)2x6 SP M-26 supporting member.

Sub-fascia beam assumptions: 5'-0" sub-fascia beam on the 2'-0" cantilever side. 5'-0" sub-fascia beam on the 2'-0" cantilever side.

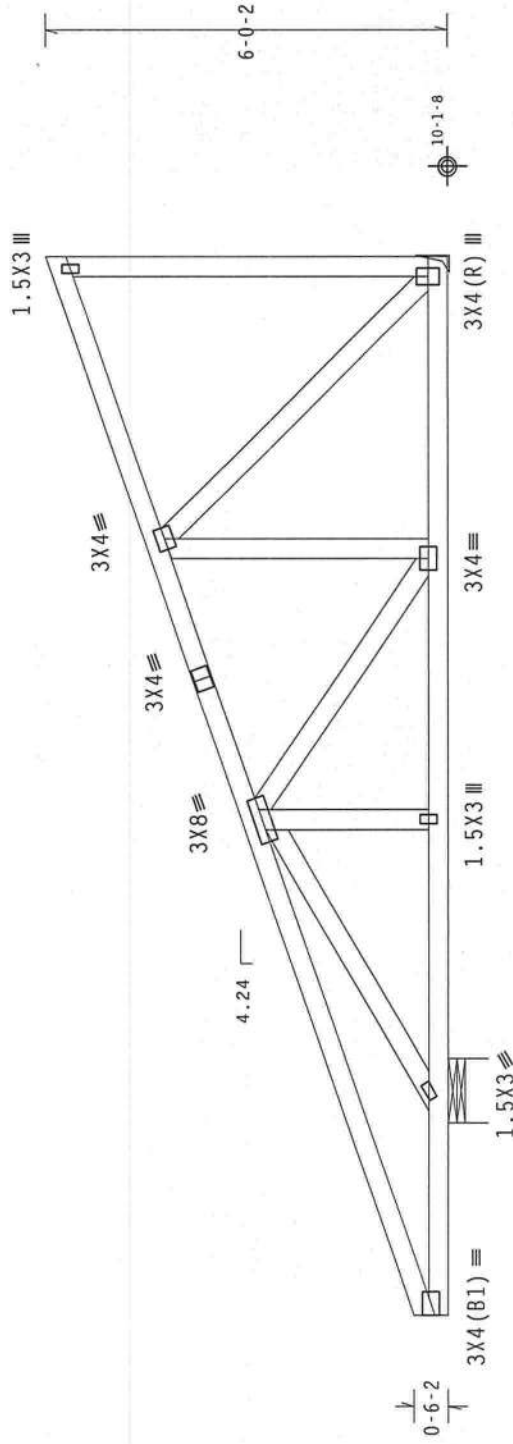
Deflection meets L/240 live and L/180 total load.

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

Right end vertical not exposed to wind pressure.

The following members need concentrated loads at the heel: 5'-0" span/setback member on the 2'-0" cant side requires 45 lbs and the 5'-0" span/setback member on the 2'-0" cant side requires 45 lbs.

Wipjack supports 11'-0" setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC. 2'-0" cant one face. 2'-0" cant opposite face.



R=777 U=86 W=11.314"

1/8"=1'-0"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

PLT TYP. Wave

Scale = .375" / Ft.

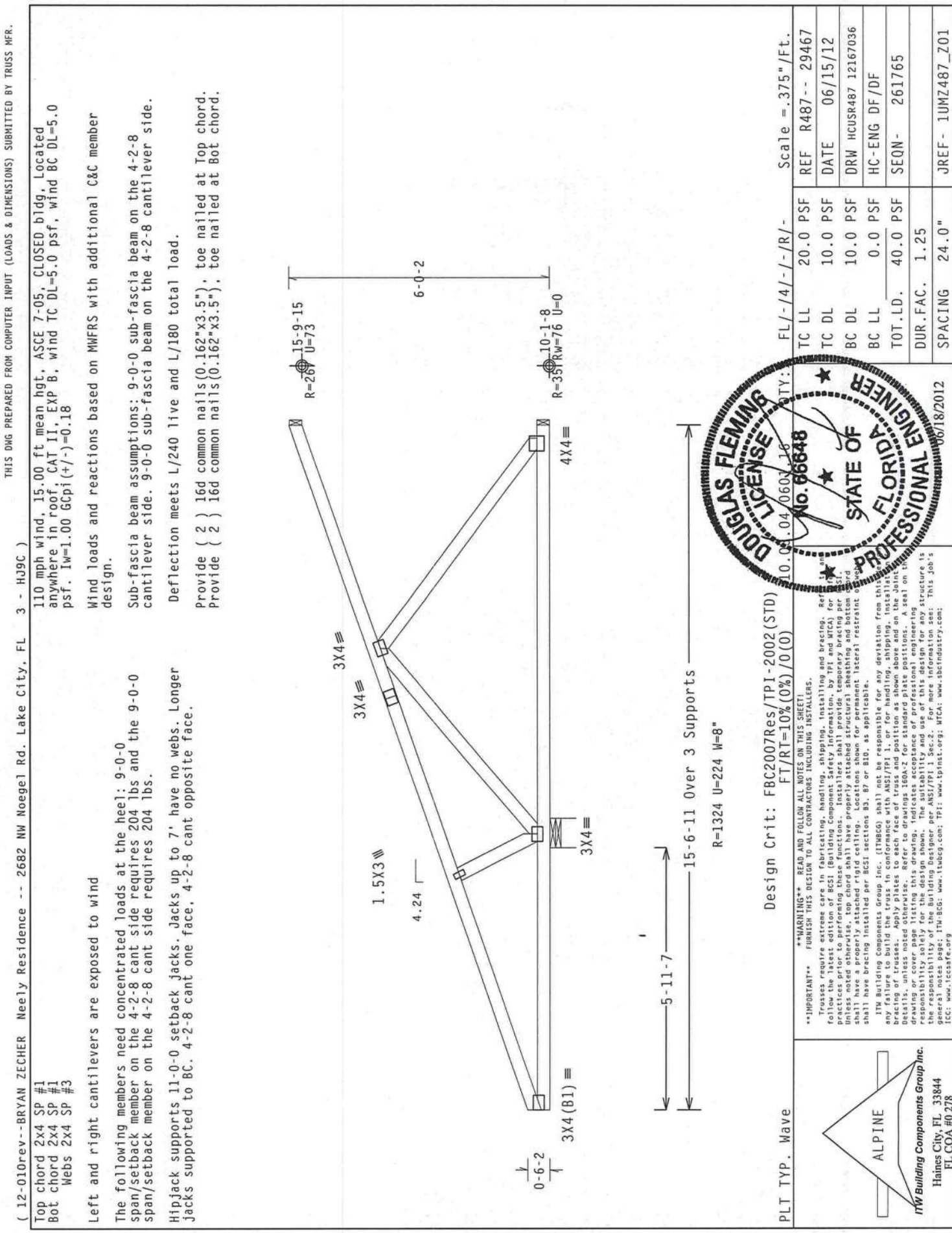
 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BC31 (Building Component Safety Information, by TPI and MTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BC31. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BC31 sections 83, 87 or 810, as applicable.		TC LL	20.0 PSF	REF	R487 - -	29466
	IMPORTANT ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown. The suitability and use of this design for any structure are the responsibility of the building designer. For more information, visit: www.alpineinc.com. ITW-BCG: www.itw-bcg.com; TPI: www.tpinet.org; MTCA: www.mtcaindustry.org; ICC: www.iccsafe.org		any failure to build the truss 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 drawing. Details, unless noted otherwise, refer to drawings 160A-2 for standard plate positions. A seal or drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown.		TC DL	10.0 PSF	DATE	06/18/12	
					BC DL	10.0 PSF	DRW	HCUSR487	12170112
					BC LL	0.0 PSF	HC-ENG	DF/DF	
					TOT.LD.	40.0 PSF	SEQN	-	8247
							DUR.FAC.	1.25	
						SPACING	24.0"	JREF	- 1UMZ487_Z01

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

06/18/2012



(12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd. Lake City, FL 3 - HJ9C)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind design.

The following members need concentrated loads at the heel: 9-0-0 span/setback member on the 4-2-8 cant side requires 204 lbs and the 9-0-0 span/setback member on the 4-2-8 cant side requires 204 lbs.

Hipjack supports 11-0-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC. 4-2-8 cant one face, 4-2-8 cant opposite face.

Deflection meets L/240 live and L/180 total load.

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpi (+/-)=0.18

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

Sub-fascia beam assumptions: 9-0-0 sub-fascia beam on the 4-2-8 cantilever side. 9-0-0 sub-fascia beam on the 4-2-8 cantilever side.

Deflection meets L/240 live and L/180 total load.

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpi (+/-)=0.18

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

Sub-fascia beam assumptions: 9-0-0 sub-fascia beam on the 4-2-8 cantilever side. 9-0-0 sub-fascia beam on the 4-2-8 cantilever side.

Deflection meets L/240 live and L/180 total load.

Provide (2) 16d common nails (0.162"x3.5"), toe nailed at Top chord.

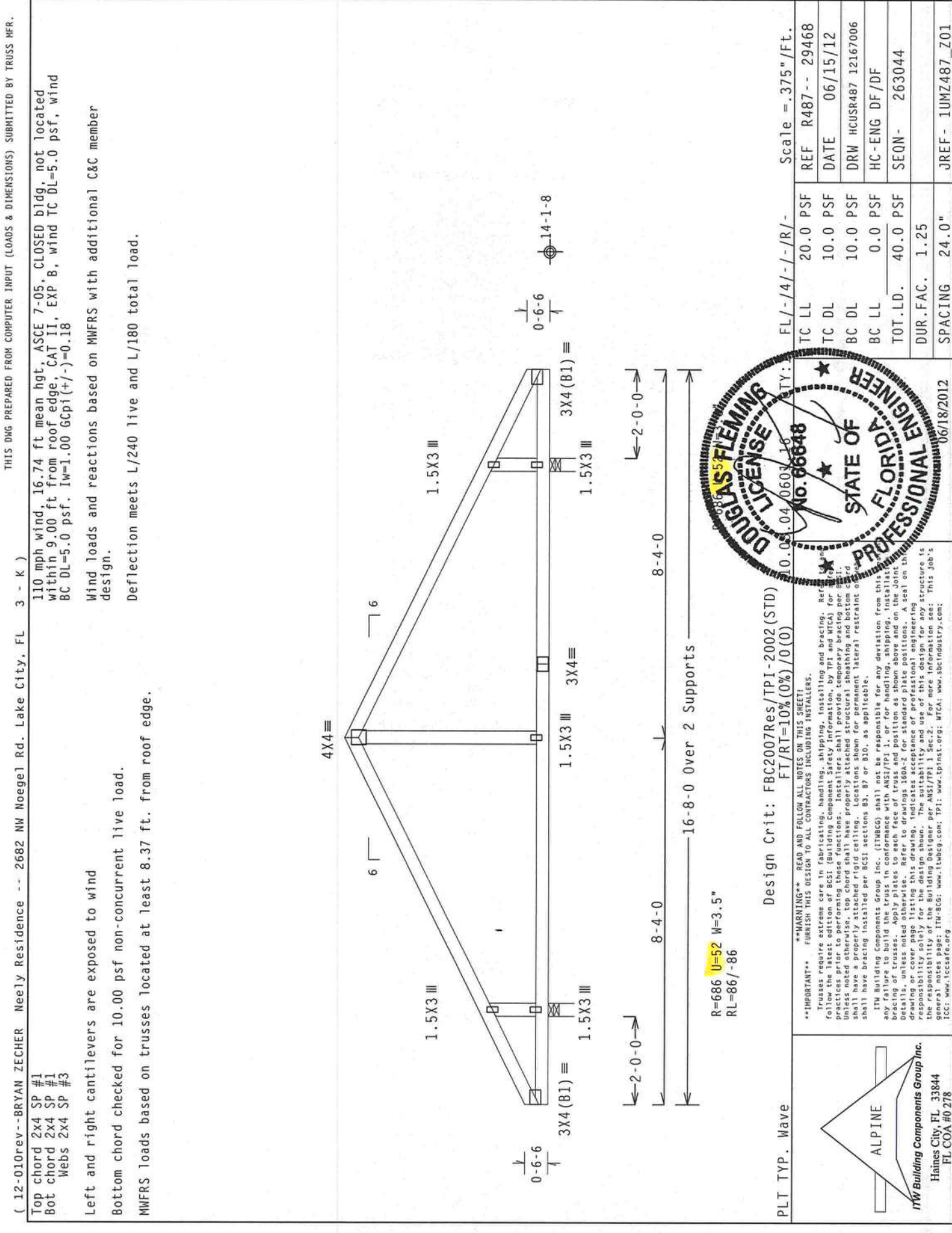
Provide (2) 16d common nails (0.162"x3.5"), toe nailed at Bot chord.

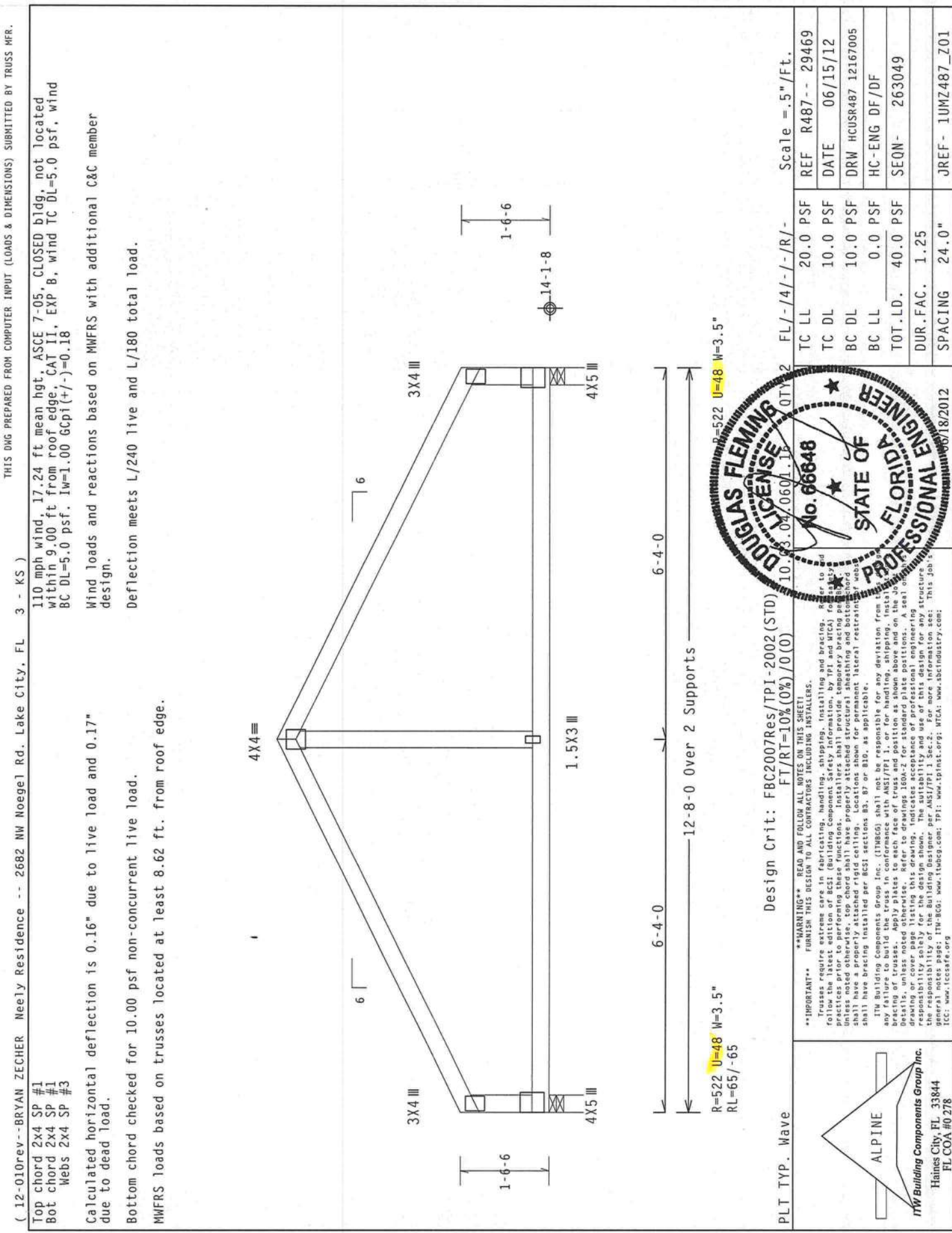
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpi (+/-)=0.18

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

Sub-fascia beam assumptions: 9-0-0 sub-fascia beam on the 4-2-8 cantilever side. 9-0-0 sub-fascia beam on the 4-2-8 cantilever side.

Deflection meets L/240 live and L/180 total load.





THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(12-010rev--BRYAN ZECHER Neely Residence -- 2682 NW Noegel Rd. Lake City, FL 3 - KS)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

110 mph wind, 17.24 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpi (+/-)=0.18

Calculated horizontal deflection is 0.16" due to live load and 0.17" due to dead load.

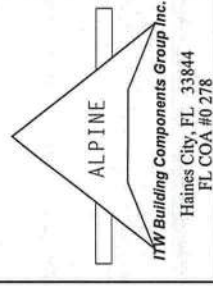
Wind loads and reactions based on MMFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load.

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

MMFRS loads based on trusses located at least 8.62 ft. from roof edge.

PLT TYP. Wave	Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)	Scale = .5" / Ft.
IMPORTANT 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 Component Safety Information, by TPI and MTC) for acceptable 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 bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining bracing shall have bracing installed per BCSI sections 83, 87 or 816, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the approved design or for any damage to the building or its contents resulting from shipping, handling, or installation of the truss. Apply plates to each face of truss and position as shown on the details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal of 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: The Building Designer's Responsibility Page: www.itwbcg.com ; TPI: www.tpinet.org ; MTC: www.mtcindustry.com ; ICC: www.iccsafe.org	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-- 29469 DATE 06/15/12 DRW HCUSR487 12167005 HC-ENG DF/DF SEQN- 263049 JREF- 1UMZ487_Z01



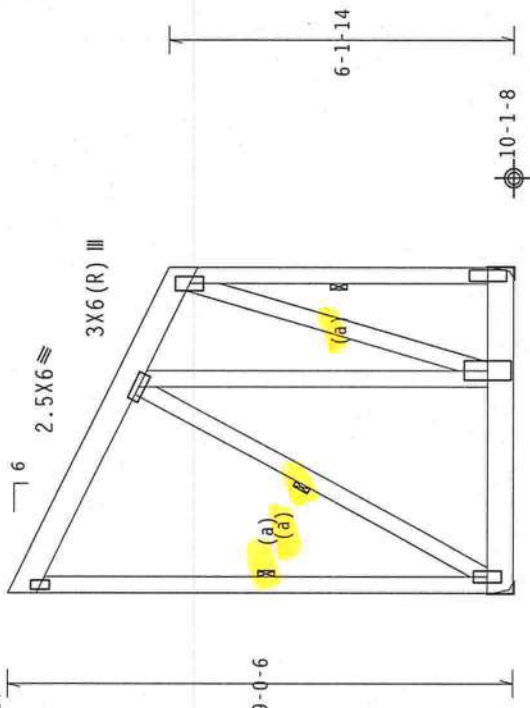
Top	chord	2x6	SP	M-26
Bot	chord	2x6	SP	M-26
	Webs	2x4	SP	#3

1110 mph wind, 17.72 ft mean hgt., ASCE 7-05, CLOSED bldg., Located anywhere in roof, CAT II, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$
Exp (+/-)=0.18

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

(J) hanger connection not found in inventory file for this condition. Provide connection.

(a) Continuous lateral bracing equally spaced on member.



2.5x8 III

5-9-0 Over 2 Supports

R=1859 U=196
H=SimpsonH1

R=1785 U=173 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: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

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

Truss require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following information (Building Components Information, by IPI and MICA) for additional details and precautions to be observed. The following information is provided for informational purposes only and does not constitute a contract. The manufacturer's literature should be consulted for complete details. The following information is provided for informational purposes only and does not constitute a contract. The manufacturer's literature should be consulted for complete details.

[illegible]

Special loads

-----	(Lumber	Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC-	From	31 plf at 0.00 to 31 plf at 5.75
BC-	From	10 plf at 0.00 to 10 plf at 5.75
BC-	1703.58 lb Conc.	Load at 1.94, 3.94

End verticals 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.

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

Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

ALPINE

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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
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. Refrain from using any type of steel reinforcement, welding, bolting, or other practices prior to performing these functions. Installer shall provide temporary bracing and bracing for all trusses. Trusses shall be installed in accordance with the design shown. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BC61 sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design shown. 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 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 solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. ITWBCG does not warrant the design shown. This job's general notes are: ITW-BCG5: www.itwbcg.com TPI: www.tpiinst.org; WTCA: www.theindustry.com; ICC: www.iccsafe.org

10.04/0603/16
No. 66648

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

06/18/2012

Scale = .3125"/Ft.

FL / - 4 / - / R / -		Scale = .3125"/Ft.	
TC LL	20.0 PSF	REF	R487 - - 29470
TC DL	10.0 PSF	DATE	06/15/12
BC DL	10.0 PSF	DRW	HCUSR487 12167023
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	264630
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UMZ487 Z01

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

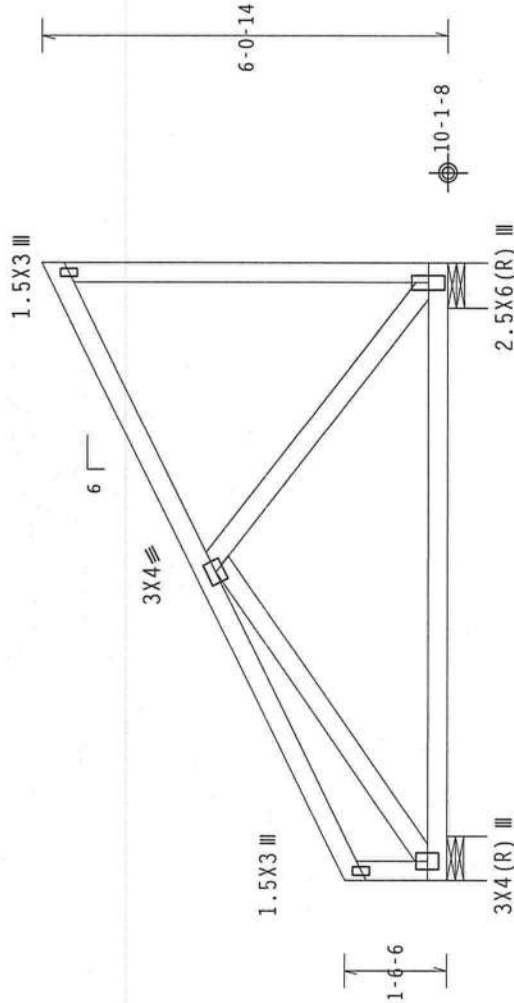
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18

Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 30.00 ft. from roof edge.

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

Right end vertical not exposed to wind pressure.



9-1-0 Over 2 Supports

R=374 U=0 W=8"
RL=70/-23

R=374 U=26 W=8"



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(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 latest edition of BCSI (Building Component Safety Information, by TPI and MICA) for practices prior to performing these functions. Installers shall provide temporary bracing per details 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 shall have bracing installed per BCSI sections 85, 89 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, or bracing. 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; MICA: www.bcsiindustry.com; IBC: www.iccsafe.org

FL/- /4/- /- /R/-	Scale = .375" /Ft.
TC LL 20.0 PSF	REF R487-- 29472
TC DL 10.0 PSF	DATE 06/15/12
BC DL 10.0 PSF	DRW HCUSR487 12167038
BC LL 0.0 PSF	HC-ENG DF/DF *
TOT.LD. 40.0 PSF	SEQN- 262950
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UMZ487_Z01

ALPINE

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

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.
ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

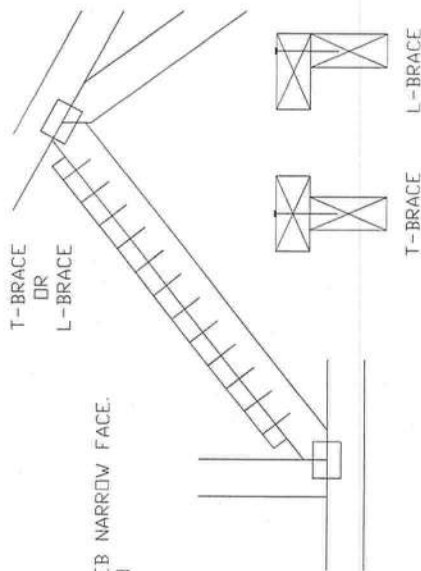
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

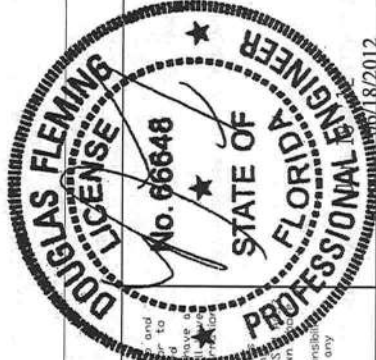
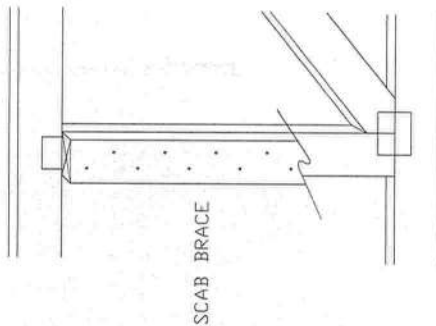
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3", MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3", MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET! Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and VTC) For safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all bracing shall be installed in accordance with the structural panels and bottom chord analysis properly attached rigid ceiling. Locations shown for more information. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV, BCSI and Contractor shall not be responsible for any deviation from design, and failure to build the truss in accordance with the design, installing & bracing of trusses. ITV/BCSI connector plates are made of 2018/16GA 10H/S/KO AS grade 37/40/60 (K7/M/H/S) galv. steel. Apply plates to each face of truss, positioned as shown and on joint details. The design and construction of the truss shall be the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. The design and construction of the building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. This component for any ITV-BCSI www.itv-bcsi.com TPI www.tpiinc.com VTC www.vtcindustry.com IDC www.iccsafe.org



Earth City, MO 63045

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			