

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:1TCU487-Z0129150749

Truss Fabricator: Anderson Truss Company
Job Identification: 7-165-|
Truss Count: 95
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.24, 7.35.
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 - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Open



Seal Date: 11/29/2007

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

-Truss Design Engineer-
Doug Fleming

Florida License Number: 66648
1950 Marley Drive
Haines City, FL 33844

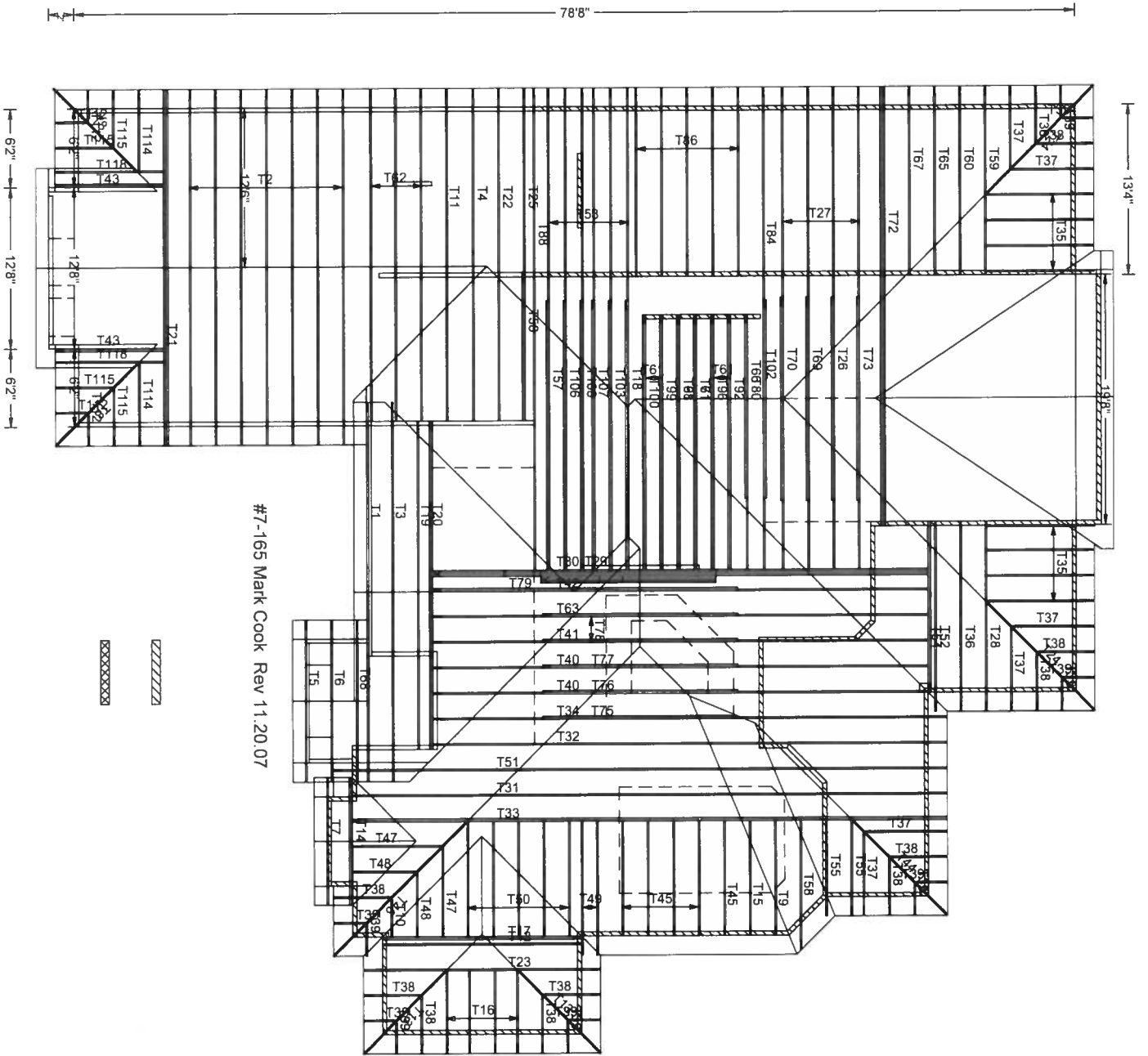
Details: CNBRGBLK-TCFILLER-BCFILLER-BRCLBSUB-A11015EE-GBLLETIN-PIGBACKA-PIGBACKB-A11030EE-

#	Ref	Description	Drawing#	Date
1	02753--T31		07333001	11/29/07
2	02754--T32		07332019	11/28/07
3	02755--T33		07333028	11/29/07
4	02756--T40		07332025	11/28/07
5	02757--T51		07333027	11/29/07
6	02758--T30		07333035	11/29/07
7	02759--T80		07332041	11/28/07
8	02760--T61		07332033	11/28/07
9	02761--T53		07332030	11/28/07
10	02762--T84		07332042	11/28/07
11	02763--T88		07333034	11/29/07
12	02764--T34		07332020	11/28/07
13	02765--T21		07332015	11/28/07
14	02766--T2		07332014	11/28/07
15	02767--T1		07332001	11/28/07
16	02768--T3		07332018	11/28/07
17	02769--T19		07332013	11/28/07
18	02770--T20		07333037	11/29/07
19	02771--T12		07333005	11/29/07
20	02772--T41		07332026	11/28/07
21	02773--T17		07333018	11/29/07
22	02774--T52		07333022	11/29/07
23	02775--T36		07332021	11/28/07
24	02776--T28		07333021	11/29/07
25	02777--T63		07332034	11/28/07
26	02778--T42		07332027	11/28/07
27	02779--T6		07332032	11/28/07
28	02780--T5		07332029	11/28/07
29	02781--T68		07332037	11/28/07
30	02782--T10		07333016	11/29/07
31	02783--T13		07333003	11/29/07
32	02784--T15		07333010	11/29/07
33	02785--T23		07333004	11/29/07
34	02786--T24		07333020	11/29/07
35	02787--T44		07333006	11/29/07
36	02788--T45		07333011	11/29/07
37	02789--T46		07333017	11/29/07
38	02790--T47		07333014	11/29/07

#	Ref	Description	Drawing#	Date
39	02791--T48		07333015	11/29/07
40	02792--T49		07333012	11/29/07
41	02793--T16		07333002	11/29/07
42	02794--T86		07332043	11/28/07
43	02795--T37		07332022	11/28/07
44	02796--T38		07332023	11/28/07
45	02797--T39		07332024	11/28/07
46	02798--T50		07333013	11/29/07
47	02799--T55		07333007	11/29/07
48	02800--T58		07333008	11/29/07
49	02801--T7		07333038	11/29/07
50	02802--T112		07332008	11/28/07
51	02803--T8		07332040	11/28/07
52	02804--T115		07332010	11/28/07
53	02805--T9		07333009	11/29/07
54	02806--T114		07332009	11/28/07
55	02807--T35		07333019	11/29/07
56	02808--T59		07333023	11/29/07
57	02809--T118		07332011	11/28/07
58	02810--T43		07332028	11/28/07
59	02811--T54		07333039	11/29/07
60	02812--T73		07333040	11/29/07
61	02813--T26		07333041	11/29/07
62	02814--T69		07332038	11/28/07
63	02815--T70		07333036	11/29/07
64	02816--T66		07332036	11/28/07
65	02817--T92		07332044	11/28/07
66	02818--T96		07332045	11/28/07
67	02819--T71		07332039	11/28/07
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69	02821--T77		07333043	11/29/07
70	02822--T78		07333044	11/29/07
71	02823--T79		07333045	11/29/07
72	02824--T98		07332046	11/28/07
73	02825--T29		07332017	11/28/07
74	02826--T99		07332047	11/28/07
75	02827--T100		07332002	11/28/07
76	02828--T103		07332004	11/28/07

#	Ref	Description	Drawing#	Date
77	02829--T18		07332012	11/28/07
78	02830--T107		07332006	11/28/07
79	02831--T108		07332007	11/28/07
80	02832--T106		07332005	11/28/07
81	02833--T57		07332031	11/28/07
82	02834--T75		07333046	11/29/07
83	02835--T56		07333047	11/29/07
84	02836--T102		07332003	11/28/07
85	02837--T14		07333048	11/29/07
86	02838--T27		07332016	11/28/07
87	02839--T60		07333024	11/29/07
88	02840--T65		07332035	11/28/07
89	02841--T67		07333025	11/29/07
90	02842--T72		07333026	11/29/07
91	02843--T62		07333029	11/29/07
92	02844--T11		07333030	11/29/07
93	02845--T25		07333033	11/29/07
94	02846--T22		07333032	11/29/07
95	02847--T4		07333031	11/29/07





#7-165 Mark Cook Rev 11.20.07

 T1
 T2

JOB LOCATION:

JOB DESCRIPTION:

DESIGNED BY:

JOB NO:
7-165112

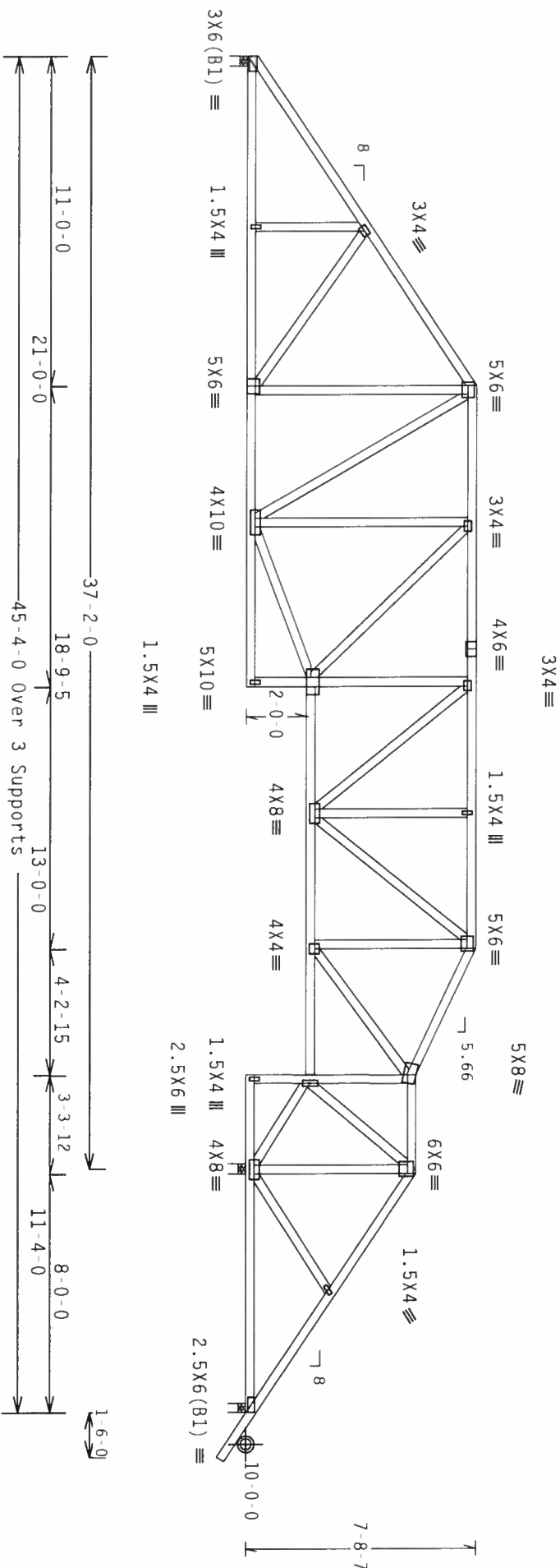
PAGE NO:
1 OF 1

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

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi (+/-)=0.55

Wind reactions based on MWRFS pressures.



R=1418 U=329 W=4

R=2592 U=522 W=4"
R=-143 U=193 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

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

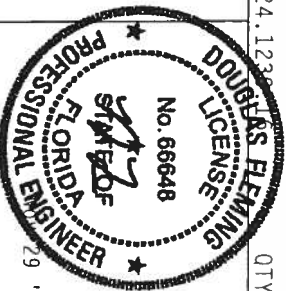
Scale = .1875"/Ft.

WARNING—PRIEST'S BUILDING CONTRACT CASE IN FABRICATION... HANDLING, SHIPPING, INSTALLING AND PACKAGING OF CORRUGATED COMPRESSOR SAFETY INFORMATION... PUBLISHED BY IPT (GROSS PLATE INSTITUTE), 218
REXTER TO GC&I (BUILDING CONTRACT CASE IN FABRICATION)...
MORTON LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK COMPANY TRUSS CONSULT OF AMERICA,
ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS... UNLESS
OTHERWISE INDICATED THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
PROPERLY ATTACHED RIDGE CEILING

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844



TC LL	20.0 PSF	REF	R487 - - 2753
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	HCU8R487 07333001
BC LL	0.0 PSF	HC-ENG	DAL/DF
TOT.LD.	40.0 PSF	SEQN-	23271
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCU487 Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. 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(+/-)=0.55

Wind reactions based on MIFRS pressures.

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.


$$\overline{Cq/RT}=1.00(1.25)/10(0)$$

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

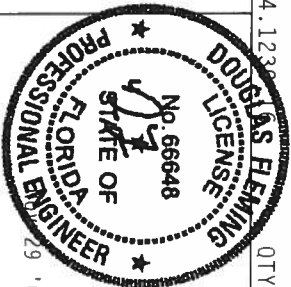
Scale = .1875"/Ft.

WARNING FIRE'S BLENDING EXTERIOR CASE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO MC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY IP1 (IRISS PLASTIC INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD BRASS COMPANY OF AMERICA, 65000 ENTERPRISE LANE, MADISON, MI, 48139) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNDESIGNED, INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CELLING.

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844
FL Certificate of Authorization # 00779



FL/-/4/-/E/R/-		Scale = .1875"/ft.
TC LL	20.0 PSF	REF R487 - 2754
TC DL	10.0 PSF	DATE 11/28/07
BC DL	10.0 PSF	DRW HCUSR487 07332019
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 24595
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TCU487 Z01

Top Chord:	1 Row	@ 12.00"	0.0 c.
Bot Chord:	1 Row	@ 12.00"	0.0 c.

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      Webs : 1 Row @ 4" o.c.
      Use equal spacing between rows and stagger nails
      in each row to avoid splitting.

      Bearing blocks: Nail type: 12d Common (0.148"x3.25", min.) nails
      BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
      2 37.000" 1 18" 15 Match Truss
      Bearing block to be same size and species as bottom chord.
      Refer to drawing CNBRBL1103 for additional information.

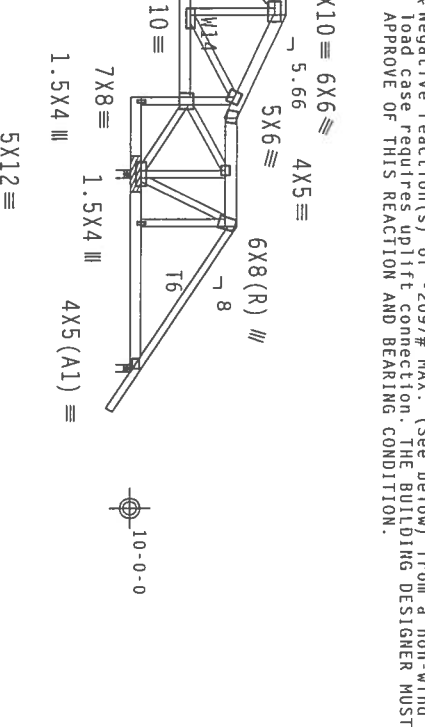
      110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located
      anywhere in roof, CAT II, Exp B, Wind TC DL=5.0 psf, Wind BC
      DL=5.0 psf, IW=1.00 GCPI(+/-)=0.18

      Wind reactions based on MMFRS pressures.

      (A) #3 or better scab brace. Same size & 80% length of web
      member. Attach with 10d Box or Gun (0.128"x3", 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. Creep increase
      factor for dead load is 1.50.
  
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*** Negative reaction(s) of -2097# MAX. (See below) from a non-wind load case requires uplift connection. THE BUILDING DESIGNER MUST APPROVE OF THIS REACTION AND BEARING CONDITION.



Scale = .125"/Ft.

NO. 66648

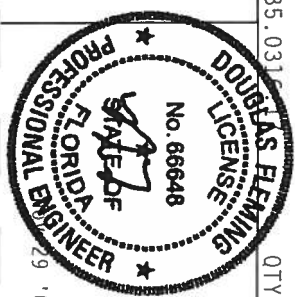
SHALL, NOT

STATE OF

11M BCB
ECL. APPLY
NGS 160A:2

PROFESSIONAL ENGINEER

...ITY OF THE



TC LL	20.0 PSF	REF	R487 - - 2755
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	HCUSR487 07333028
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT. LD.	40.0 PSF	SEGN-	13891 REV
DUR. FAC.	1.25	FROM	AH
SPACING	SFE ABOVE	JREF -	1TCU487 Z01

מחבר: ד"ר אברהם יצחק שניידר (אברהם יצחק שניידר) וד"ר אברהם יצחק שניידר (אברהם יצחק שניידר)

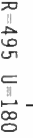
110 mph wind, 15.37 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)=0.55

Wind reactions based on MWFRS pressures.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.

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

Laterally brace BC above filler @ 24" O.C.
Including a lateral brace at chord ends.

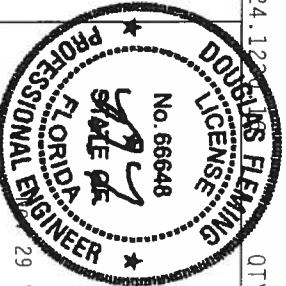


Scale = .1875"/Ft.

****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BGS, INC. SHALL NOT**

ITW Building Components Group

Haines City, FL 33844
FI Certificate of Authorization # 077



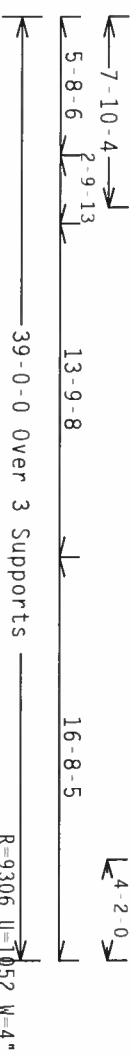
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TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCSR487 07332025
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	24618
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCU487 Z01

SPECIAL LOADS

Left end vertical not exposed to wind pressure.

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

The Building Designer shall evaluate and approve load magnitudes and locations as shown under "SPECIAL LOADS". Truss Engineer & Fabricator are not responsible for load magnitudes and locations.



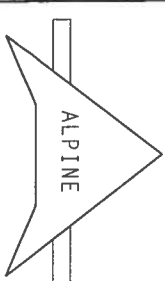
PLT TYP. 18 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

7.24.12

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

Scale = .125"/Ft.



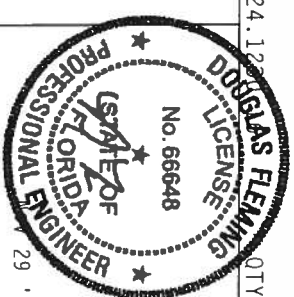
ITW Building Components Group, Inc.
Haines City, FL 33844
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****WARNING**** TRAFFIC ENGINEERING EXTREME CARE IN HANDLING, SHIPPING, INSTALLING AND BRACKETING TO BE OBSERVED. (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE TRUSS RESEARCH INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND WICA FOOD PROCESSING COUNCIL OF AMERICA, 6500 BAY ENTERPRISE LANE, RADFORD, VA 53719 FOR SAFETY PRACTICES PRIOR TO BRACING THESE TRUSSIONS. UNCEMENTED OVERLAP INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELTIVE.

* IMPORANT * WITHIN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TROUS IN CONFORMANCE WITH THE CONTRACT REQUIREMENTS, INCLUDING, SHIPPING, INSTALLING & BRANCHING OF FUSSES.

LOCATION CONDITIONS WITH APPLICABLE PROVISIONS OF MDOT MATERIALS SPECIFICATION, PART 401 AND TYPICAL CONNECTION PLATES ARE MADE OF 20/18/16GA (H/55/3%) A578 A563 GRADE 40/60 (H/ K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC. 3. A SEAL ON THE

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN.



TC LL	20.0 PSF	REF	R487 - 2758
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	H058487 07333035
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	23234
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCU487 Z01

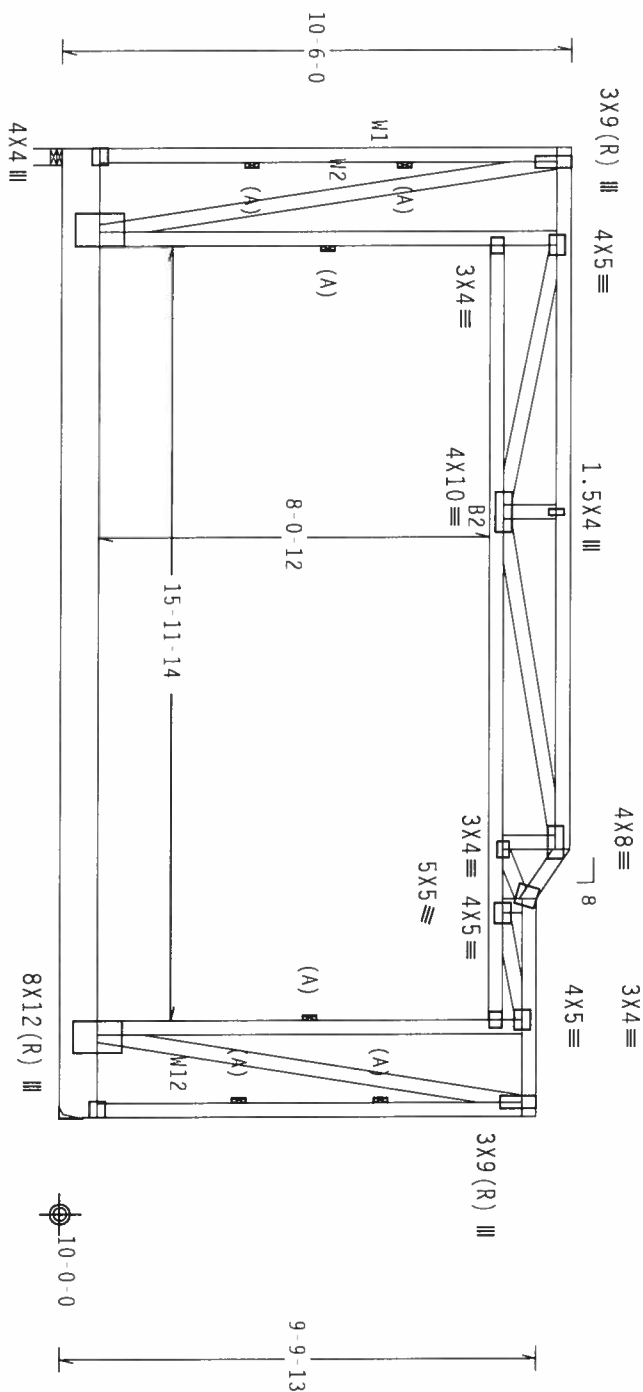
Top chord 2x4 SP #2 Dense
Bot chord 2x10 SP SS :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W1, W2, W12 2x4 SP #2 Dense:

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 2-0-0 to 17-11-14.

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

(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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.1236$

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

Scale = .25"/Ft.

*WARNING--ALL FRAMES BEING EXHIBITED CALL FOR FABRICATION, HANDLING, SHIPPING, INSTALLING AND PRACTICE
RETURN TO GC&I (BUILDING COMPONENTS SPECIFIC INFORMATION) - PUBLICITY BY THE FRAMES PANEL INSTITUTE, 218
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK MOORE TRUSS COMPANY OF AMERICA, 6000 GARDEN
ENTERPRISE LANE, MADISON, MI 48179 FOR SAFETY PRACTICES PRIOR TO DISSEMBLING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
PROPERLY ATTACHED BRIDG CLIMBING.


****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE QUALITY OF THE INSTALLATION.**

IP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

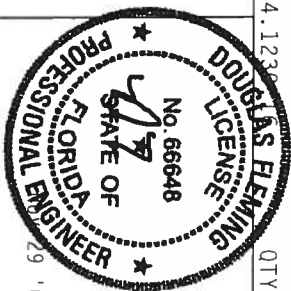
CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H./SS/K) ASTM A653 GRADE 40/60 (W. K/H.SS) GALV. STEEL. APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 S.C.3. A SEAL ON THIS

DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND ANALYST, ETC.

[illegible]

ITW Building Components Group, Inc.
Haines City, FL 33844
Telephone: 800-368-6222
Fax: 800-368-6222



TC LL	20.0 PSF	REF	R487 - 2759
TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR487 07332041
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	24660
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF -	1TCU487 201

המחברת מודה לפרופ' דוד גורן, ראש המחלקה למשפטאות, על שיתוף הפעולה והעזרה במחקר.

110 mph wind, 20.50 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAI 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)=0.18

Wind reactions based on MIFRS pressures.

Max JT VERT DEFL: LL: 0.15" DL: 0.19" recommended camber 3/8"

collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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.



Scale = .25"/Ft.

DOUGLAS
LICENSE

★

★

★

STATE OF

OFFICE OF THE
SHERIFF

FROM THE
FEDERAL
BUREAU OF
INVESTIGATION
U. S. DEPARTMENT OF JUSTICE

ENGINEERING

ADDITIONAL ENTRY 29



—

1

11

TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HGUSR487 07332033
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	24794
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCU487 Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x10 SP SS :B2, B4 2x4 SP #2 Dense:
Webs 2x4 SP #3

- (A) #3 or better scab brace. Same size & 80% length of web member.
Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.
(B) (2) #3 or better scab braces. Same size & 80% length of web member. Attach one to each face w/10d Box or Gun (0.128"x3", min.) nails @ 6" OC.

Trusses to be spaced at 16.0" OC maximum.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 13-4-0 to 34-4-0.

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

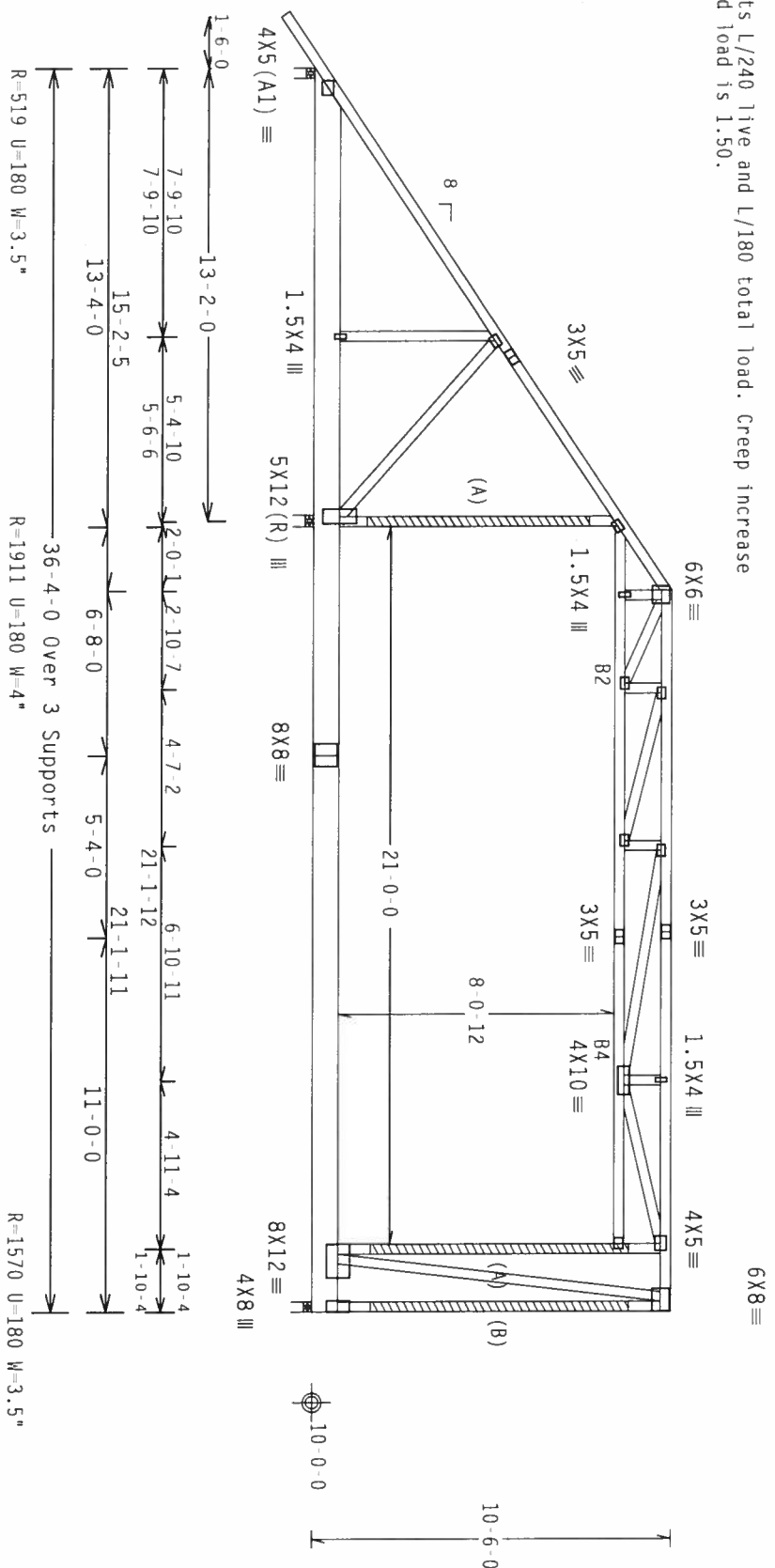
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpl (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

Collar tie braced with continuous lateral bracing at 24" OC, or rigid ceiling.



R=519 U=180 W=3.5"

R=1911 U=180 W=4"

R=1570 U=180 W=3.5"

Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24.12

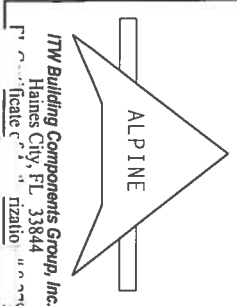
QTY:6 FL/-/4/-/E/R/-

Scale = .1875"/ft.

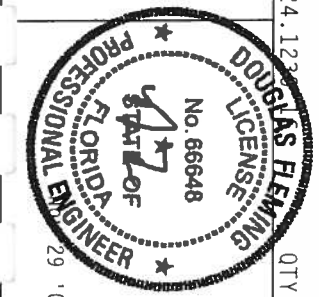
WARNING TRUSSES REQUIRE EXTERNAL LATERAL BRACING, SHORING, INSTALLING & BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLANT STRUCTURE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 360 (10/10/02) AND AISC 360 (10/10/02) G4V. STEEL. APPLY PLATES TO EACH FACE OF BOLTS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A, 2, 100B, 2, 100C, 2, 100D, 2, 100E, 2, 100F, 2, 100G, 2, 100H, 2, 100I, 2, 100J, 2, 100K, 2, 100L, 2, 100M, 2, 100N, 2, 100O, 2, 100P, 2, 100Q, 2, 100R, 2, 100S, 2, 100T, 2, 100U, 2, 100V, 2, 100W, 2, 100X, 2, 100Y, 2, 100Z, 2. A SEAL ON THIS DRAWING INDICATES THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Truss Building Components Group, Inc.
Haines City, FL 33844
Toll Free 1-800-333-3333
Fax 888-333-3333



TC LL	20.0 PSF	REF	R487 - 2761
TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR487 07332030
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	24806
DUR.FAC.	1.25	FROM	AH
SPACING	16.0"	JRFF-	ITCU487 201

Top chord 2x4 SP #2 Dense
Bot chord 2x10 SP SS :B2, B4 2x4 SP #2 Dense:
Webs 2x4 SP #3

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

(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.

Collar tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 13'-4-0 to 34'-4-1.

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

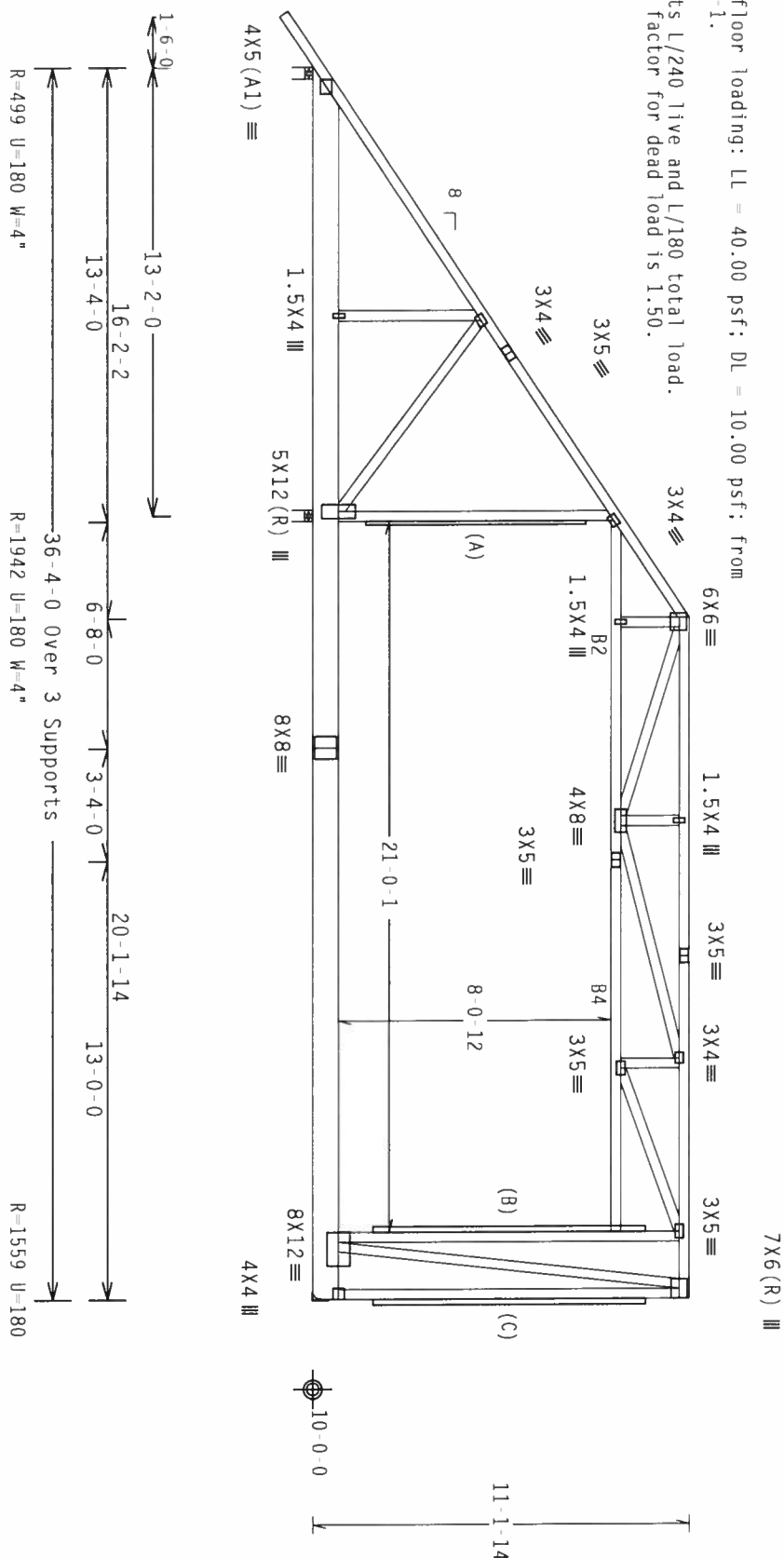
110 mph wind, 15.21 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 Gcpi (+/-)-0.18

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

(C) 2x8 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Trusses to be spaced at 16.0" OC maximum.



PLT TYP. Wave

Design Crtt: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.123

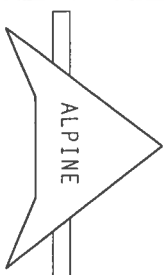
QTY:1 FL/-/4/-/E/R/-

Scale = .1875"/Ft.

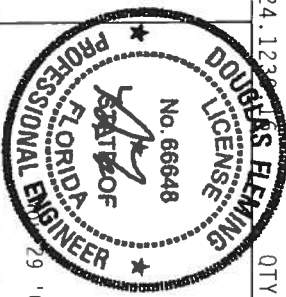
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6800 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FABRICATOR WHO BUILDS THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/AIA AND TPI). THE BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 1600.2. AND INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. THE FABRICATOR'S DESIGN SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
P.O. Box 1111
Haines City, FL 33844



TC LL	20.0 PSF	REF	R487 - 2763
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	HCUSR487 07333034
BC LL	0.0 PSF	HC-ENG	DAL/DF
TOT.LD.	40.0 PSF	SEQN-	23215
DUR.FAC.	1.25	FROM	AH
SPACING	16.0"	JREF	1TCU487 201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Filler 2x4 SP #2 Dense
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

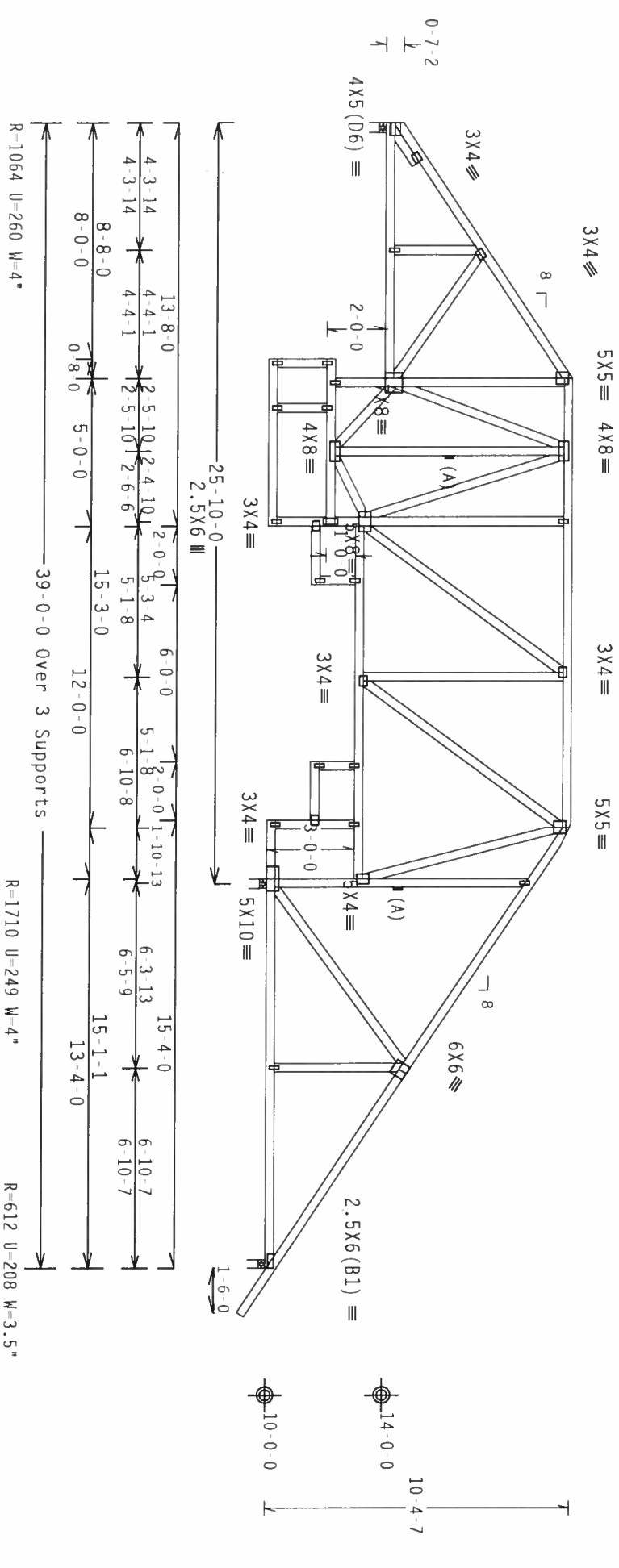
See DWGS TCFILLER0207 and BCFILLER0207 for filler details.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. 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. W=1.00 GCPI(+/-)=0.55
Wind reactions based on MWFRS pressures.
(A) Continuous lateral bracing equally spaced on member.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Laterally brace BC above filler @ 24" O.C. Including a lateral brace at chord ends.



Note: All Plates Are 1.5X4 Except As Shown.

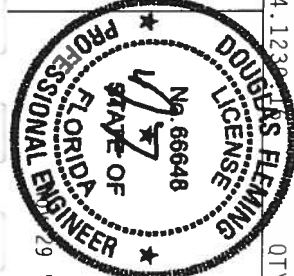
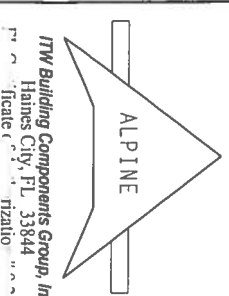
PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.123

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RECSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY, 1001 LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND WCA (WOOD TRUSS CONSTRUCTION) UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT OBTAIN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI-2002. THE BCG CONNECTIONS ARE MADE OF 20/18/16GA (W/H/55/K) ASTM A653 GRADE 40/60 (W. K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ALL INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



QTY: 1	FL/-/4/-/E/R/-	Scale = .1875"/ft.
TC LL	20.0 PSF	REF R487-- 2764
TC DL	10.0 PSF	DATE 11/28/07
BC DL	10.0 PSF	DRW HCUSR487 07332020
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 24606
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JRFF- 1TCU487 201

Top chord 2x6 SP #2 :T2, T3 2x8 SP SS:
Bot chord 2x6 SP #1 Dense :B2 2x8 SP SS:
:B3 2x4 SP #2 Dense:

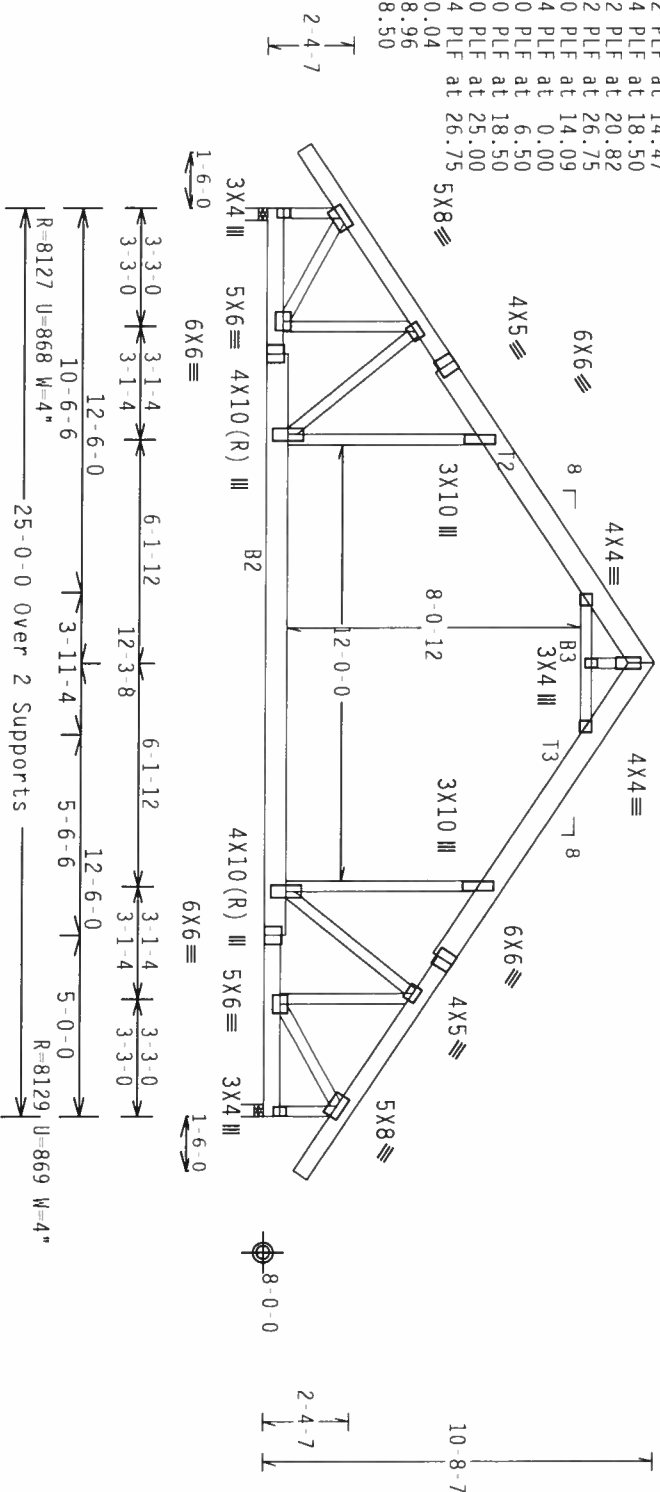
Collar-tie braced with continuous lateral bracing at 24" OC

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

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS"). TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS. PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.

SPECIAL LOADS

	(LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)	
TC - From	192 PLF at 1.75 to	192 PLF at 4.33 to
TC - From	192 PLF at 4.34 to	192 PLF at 6.55 to
TC - From	264 PLF at 6.50 to	264 PLF at 10.55 to
TC - From	192 PLF at 10.53 to	192 PLF at 12.55 to
TC - From	192 PLF at 12.50 to	192 PLF at 14.44 to
TC - From	264 PLF at 14.47 to	264 PLF at 18.55 to
TC - From	192 PLF at 18.50 to	192 PLF at 20.82 to
TC - From	192 PLF at 20.82 to	192 PLF at 26.77 to
PLT - From	60 PLF at 10.91 to	60 PLF at 14.09 to
BC - From	14 PLF at 1.75 to	14 PLF at 0.00 to
BC - From	60 PLF at 0.00 to	60 PLF at 6.55 to
BC - From	360 PLF at 6.50 to	360 PLF at 18.55 to
BC - From	60 PLF at 18.50 to	60 PLF at 25.00 to
BC - From	14 PLF at 25.00 to	14 PLF at 26.77 to
BC - 422 LB Conc.	Load at 5.04,	20.04
BC - 1710 LB Conc.	Load at 6.04, 18.96	
BC - 322 LB Conc.	Load at 6.50, 18.50	



3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)

Top chord:	1 Row	@ 11.00"	0. c. c.
Bot Chord:	1 Row	@ 4.50"	0. c. c.

WEDS : I ROW @ 4" 0.C.C.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

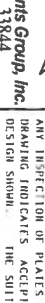
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Wind reactions based on MFRS pressures.

End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Calculated horizontal deflection is 0.16" due to live load and 0.22" due to dead load.

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



ITW Building Components Group, Inc.
Haines City, FL 33864
Phone: 813-939-1111
Fax: 813-939-1112


PLT Typ. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12

****WARNING**** TRUSSES REQUIRING EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (IRON PIPE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6200 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** THROUGH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, THE REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IPT, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND IPT. THE REG. CONDUCTOR PLATES ARE MADE OF 20/18/16GA (W ALLOY) ASTM A653 GRADE 40/60 (W K/H .55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.1. ANY INFLECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIAA OR IPT 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/IPT 1 SEC. 2.



QTY: 1		FL/-14/-E/R/-		Scale = .1875"/ft.	
TC LL	20.0 PSF	REF	R487 - 2765		
TC DL	10.0 PSF	DATE	11/28/07		
BC DL	10.0 PSF	DRW	HCSR487 07332015		
BC LL	0.0 PSF	HC-ENG	DF/DF		
TOT. LD.	40.0 PSF	SEGN-	24543		
DUR. FAC.	1.25	FROM	AH		
SPACING	SEE ABOVE	UREF-	1TCU487 201		

THIS WORK PREPARED FROM COMPUTER INPUT (VALUES & DIMENSIONS) SUBMITTED BY KUSS MRK.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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

Calculated horizontal deflection is 0.11" due to live load and 0.22" due to dead load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-6-0 to 18-6-0.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-6-0 to 18-6-0.



Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$

7.24.123f

QTY:7 FL/-/4/-/E/R/-

Scale = .25"/Ft.

WARNING: "RIBS" (BUILDING COMPONENTS) CASE IN FABRICATION, HANDLING, OR SHIPMENT, INSTALLING AND BRACKETING, REFER TO BC31 (BUILDING COMPONENT CASE INFORMATION). PUBLISHED BY IP1 (RIBS PAPER INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 FOR SAFETY AND GOOD TRUSS CONSTRUCTION. 6/2000
ENTERPRISE LEE, 6/2015/01, M/S 53179 FOR SAFETY PRACTICES AND PICA FOR PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIBBED CEILING.

****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT**

II-1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

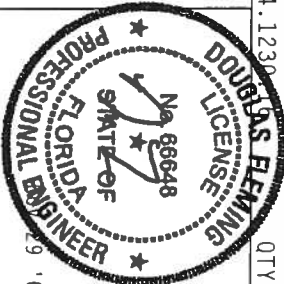
PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION OF AN ORANGE 1500' CONCRETE PILES, AND, MAX. OF 20/10/1000 (W. 11/33/K) ASIM 1653 GRADE 40/60 (W. K/11.55) GALV. STEEL. APPLY

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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. ☐ 101. ☐ 102. ☐ 103. ☐ 104. ☐ 105. ☐ 106. ☐ 107. ☐ 108. ☐ 109. ☐ 110. ☐ 111. ☐ 112. ☐ 113. ☐ 114. ☐ 115. ☐ 116. ☐ 117. ☐ 118. ☐ 119. ☐ 120. ☐ 121. ☐ 122. ☐ 123. ☐ 124. ☐ 125. ☐ 126. ☐ 127. ☐ 128. ☐ 129. ☐ 130. ☐ 131. ☐ 132. ☐ 133. ☐ 134. ☐ 135. ☐ 136. ☐ 137. ☐ 138. ☐ 139. ☐ 140. ☐ 141. ☐ 142. ☐ 143. ☐ 144. ☐ 145. ☐ 146. ☐ 147. ☐ 148. ☐ 149. ☐ 150. ☐ 151. ☐ 152. ☐ 153. ☐ 154. ☐ 155. ☐ 156. ☐ 157. ☐ 158. ☐ 159. ☐ 160. ☐ 161. ☐ 162. ☐ 163. ☐ 164. ☐ 165. ☐ 166. ☐ 167. ☐ 168. ☐ 169. ☐ 170. ☐ 171. ☐ 172. ☐ 173. ☐ 174. ☐ 175. ☐ 176. ☐ 177. ☐ 178. ☐ 179. ☐ 180. ☐ 181. ☐ 182. ☐ 183. ☐ 184. ☐ 185. ☐ 186. ☐ 187. ☐ 188. ☐ 189. ☐ 190. ☐ 191. ☐ 192. ☐ 193. ☐ 194. ☐ 195. ☐ 196. ☐ 197. ☐ 198. ☐ 199. ☐ 200. ☐ 201. ☐ 202. ☐ 203. ☐ 204. ☐ 205. ☐ 206. ☐ 207. ☐ 208. ☐ 209. ☐ 210. ☐ 211. ☐ 212. ☐ 213. ☐ 214. ☐ 215. ☐ 216. ☐ 217. ☐ 218. ☐ 219. ☐ 220. ☐ 221. ☐ 222. ☐ 223. ☐ 224. ☐ 225. ☐ 226. ☐ 227. ☐ 228. ☐ 229. ☐ 230. ☐ 231. ☐ 232. ☐ 233. ☐ 234. ☐ 235. ☐ 236. ☐ 237. ☐ 238. ☐ 239. ☐ 240. ☐ 241. ☐ 242. ☐ 243. ☐ 244. ☐ 245. ☐ 246. ☐ 247. ☐ 248. ☐ 249. ☐ 250. ☐ 251. ☐ 252. ☐ 253. ☐ 254. ☐ 255. ☐ 256. ☐ 257. ☐ 258. ☐ 259. ☐ 260. ☐ 261. ☐ 262. ☐ 263. ☐ 264. ☐ 265. ☐ 266. ☐ 267. ☐ 268. ☐ 269. ☐ 270. ☐ 271. ☐ 272. ☐ 273. ☐ 274. ☐ 275. ☐ 276. ☐ 277. ☐ 278. ☐ 279. ☐ 280. ☐ 281. ☐ 282. ☐ 283. ☐ 284. ☐ 285. ☐ 286. ☐ 287. ☐ 288. ☐ 289. ☐ 290. ☐ 291. ☐ 292. ☐ 293. ☐ 294. ☐ 295. ☐ 296. ☐ 297. ☐ 298. ☐ 299. ☐ 300. ☐ 301. ☐ 302. ☐ 303. ☐ 304. ☐ 305. ☐ 306. ☐ 307. ☐ 308. ☐ 309. ☐ 310. ☐ 311. ☐ 312. ☐ 313. ☐ 314. ☐ 315. ☐ 316. ☐ 317. ☐ 318. ☐ 319. ☐ 320. ☐ 321. ☐ 322. ☐ 323. ☐ 324. ☐ 325. ☐ 326. ☐ 327. ☐ 328. ☐ 329. ☐ 330. ☐ 331. ☐ 332. ☐ 333. ☐ 334. ☐ 335. ☐ 336. ☐ 337. ☐ 338. ☐ 339. ☐ 340. ☐ 341. ☐ 342. ☐ 343. ☐ 344. ☐ 345. ☐ 346. ☐ 347. ☐ 348. ☐ 349. ☐ 350. ☐ 351. ☐ 352. ☐ 353. ☐ 354. ☐ 355. ☐ 356. ☐ 357. ☐ 358. ☐ 359. ☐ 360. ☐ 361. ☐ 362. ☐ 363. ☐ 364. ☐ 365. ☐ 366. ☐ 367. ☐ 368. ☐ 369. ☐ 370. ☐ 371. ☐ 372. ☐ 373. ☐ 374. ☐ 375. ☐ 376. ☐ 377. ☐ 378. ☐ 379. ☐ 380. ☐ 381. ☐ 382. ☐

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. ☐ 101. ☐ 102. ☐ 103. ☐ 104. ☐ 105. ☐ 106. ☐ 107. ☐ 108. ☐ 109. ☐ 110. ☐ 111. ☐ 112. ☐ 113. ☐ 114. ☐ 115. ☐ 116. ☐ 117. ☐ 118. ☐ 119. ☐ 120. ☐ 121. ☐ 122. ☐ 123. ☐ 124. ☐ 125. ☐ 126. ☐ 127. ☐ 128. ☐ 129. ☐ 130. ☐ 131. ☐ 132. ☐ 133. ☐ 134. ☐ 135. ☐ 136. ☐ 137. ☐ 138. ☐ 139. ☐ 140. ☐ 141. ☐ 142. ☐ 143. ☐ 144. ☐ 145. ☐ 146. ☐ 147. ☐ 148. ☐ 149. ☐ 150. ☐ 151. ☐ 152. ☐ 153. ☐ 154. ☐ 155. ☐ 156. ☐ 157. ☐ 158. ☐ 159. ☐ 160. ☐ 161. ☐ 162. ☐ 163. ☐ 164. ☐ 165. ☐ 166. ☐ 167. ☐ 168. ☐ 169. ☐ 170. ☐ 171. ☐ 172. ☐ 173. ☐ 174. ☐ 175. ☐ 176. ☐ 177. ☐ 178. ☐ 179. ☐ 180. ☐ 181. ☐ 182. ☐ 183. ☐ 184. ☐ 185. ☐ 186. ☐ 187. ☐ 188. ☐ 189. ☐ 190. ☐ 191. ☐ 192. ☐ 193. ☐ 194. ☐ 195. ☐ 196. ☐ 197. ☐ 198. ☐ 199. ☐ 200. ☐ 201. ☐ 202. ☐ 203. ☐ 204. ☐ 205. ☐ 206. ☐ 207. ☐ 208. ☐ 209. ☐ 210. ☐ 211. ☐ 212. ☐ 213. ☐ 214. ☐ 215. ☐ 216. ☐ 217. ☐ 218. ☐ 219. ☐ 220. ☐ 221. ☐ 222. ☐ 223. ☐ 224. ☐ 225. ☐ 226. ☐ 227. ☐ 228. ☐ 229. ☐ 230. ☐ 231. ☐ 232. ☐ 233. ☐ 234. ☐ 235. ☐ 236. ☐ 237. ☐ 238. ☐ 239. ☐ 240. ☐ 241. ☐ 242. ☐ 243. ☐ 244. ☐ 245. ☐ 246. ☐ 247. ☐ 248. ☐ 249. ☐ 250. ☐ 251. ☐ 252. ☐ 253. ☐ 254. ☐ 255. ☐ 256. ☐ 257. ☐ 258. ☐ 259. ☐ 260. ☐ 261. ☐ 262. ☐ 263. ☐ 264. ☐ 265. ☐ 266. ☐ 267. ☐ 268. ☐ 269. ☐ 270. ☐ 271. ☐ 272. ☐ 273. ☐ 274. ☐ 275. ☐ 276. ☐ 277. ☐ 278. ☐ 279. ☐ 280. ☐ 281. ☐ 282. ☐ 283. ☐ 284. ☐ 285. ☐ 286. ☐ 287. ☐ 288. ☐ 289. ☐ 290. ☐ 291. ☐ 292. ☐ 293. ☐ 294. ☐ 295. ☐ 296. ☐ 297. ☐ 298. ☐ 299. ☐ 300. ☐ 301. ☐ 302. ☐ 303. ☐ 304. ☐ 305. ☐ 306. ☐ 307. ☐ 308. ☐ 309. ☐ 310. ☐ 311. ☐ 312. ☐ 313. ☐ 314. ☐ 315. ☐ 316. ☐ 317. ☐ 318. ☐ 319. ☐ 320. ☐ 321. ☐ 322. ☐ 323. ☐ 324. ☐ 325. ☐ 326. ☐ 327. ☐ 328. ☐ 329. ☐ 330. ☐ 331. ☐ 332. ☐ 333. ☐ 334. ☐ 335. ☐ 336. ☐ 337. ☐ 338. ☐ 339. ☐ 340. ☐ 341. ☐ 342. ☐ 343. ☐ 344. ☐ 345. ☐ 346. ☐ 347. ☐ 348. ☐ 349. ☐ 350. ☐ 351. ☐ 352. ☐ 353. ☐ 354. ☐ 355. ☐ 356. ☐ 357. ☐ 358. ☐ 359. ☐ 360. ☐ 361. ☐ 362. ☐ 363. ☐ 364. ☐ 365. ☐ 366. ☐ 367. ☐ 368. ☐ 369. ☐ 370. ☐ 371. ☐ 372. ☐ 373. ☐ 374. ☐ 375. ☐ 376. ☐ 377. ☐ 378. ☐ 379. ☐ 380. ☐ 381. ☐ 382. ☐



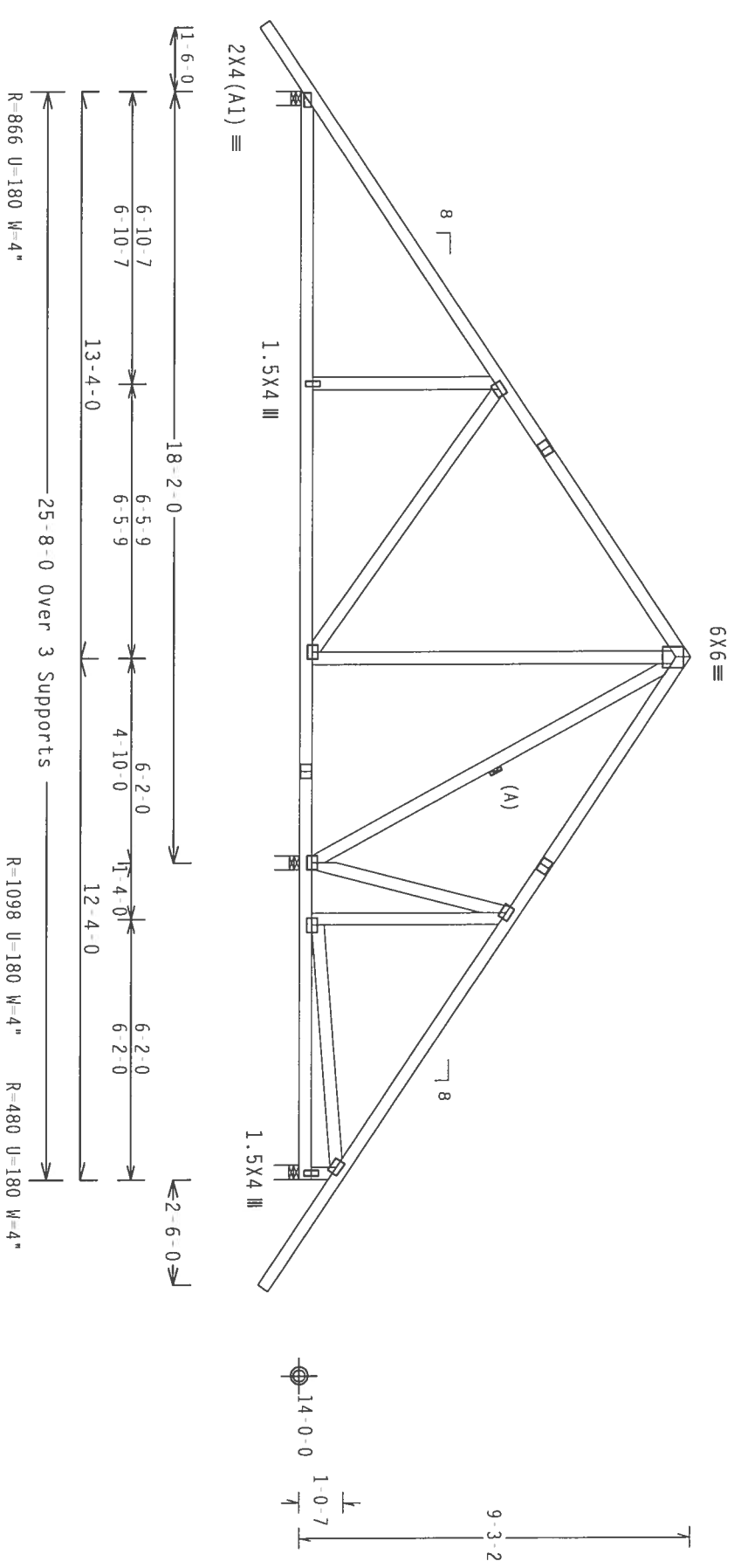
TC LL	20.0 PSF	REF	R487 -- 2766
TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCU8R487 07332014
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	40.0 PSF	SEON-	24527
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	UREF	1TCU487 Z01

(7-165-1 - T3)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(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.

110 mph wind, 18.26 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $Gcpl(+/-)=0.18$
Wind reactions based on MMFRS pressures.



Note: All Plates Are 3x4 Except As Shown.
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

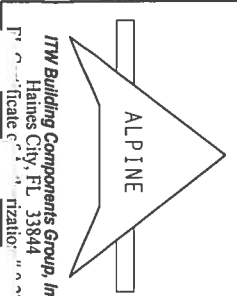
Scale = .25"/ft.

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETAILER MUST PROVIDE PROPER INSTRUCTIONS TO THE END USER. THE USER MUST FOLLOW ALL INSTRUCTIONS AND SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

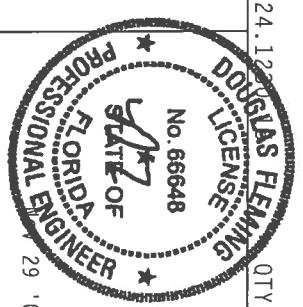
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA 6053 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
Fabrication Division



TC LL	20.0 PSF	REF	R487-- 2768
TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR487 07332018
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	24577
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCU487 201

(7-165 1 - T19)

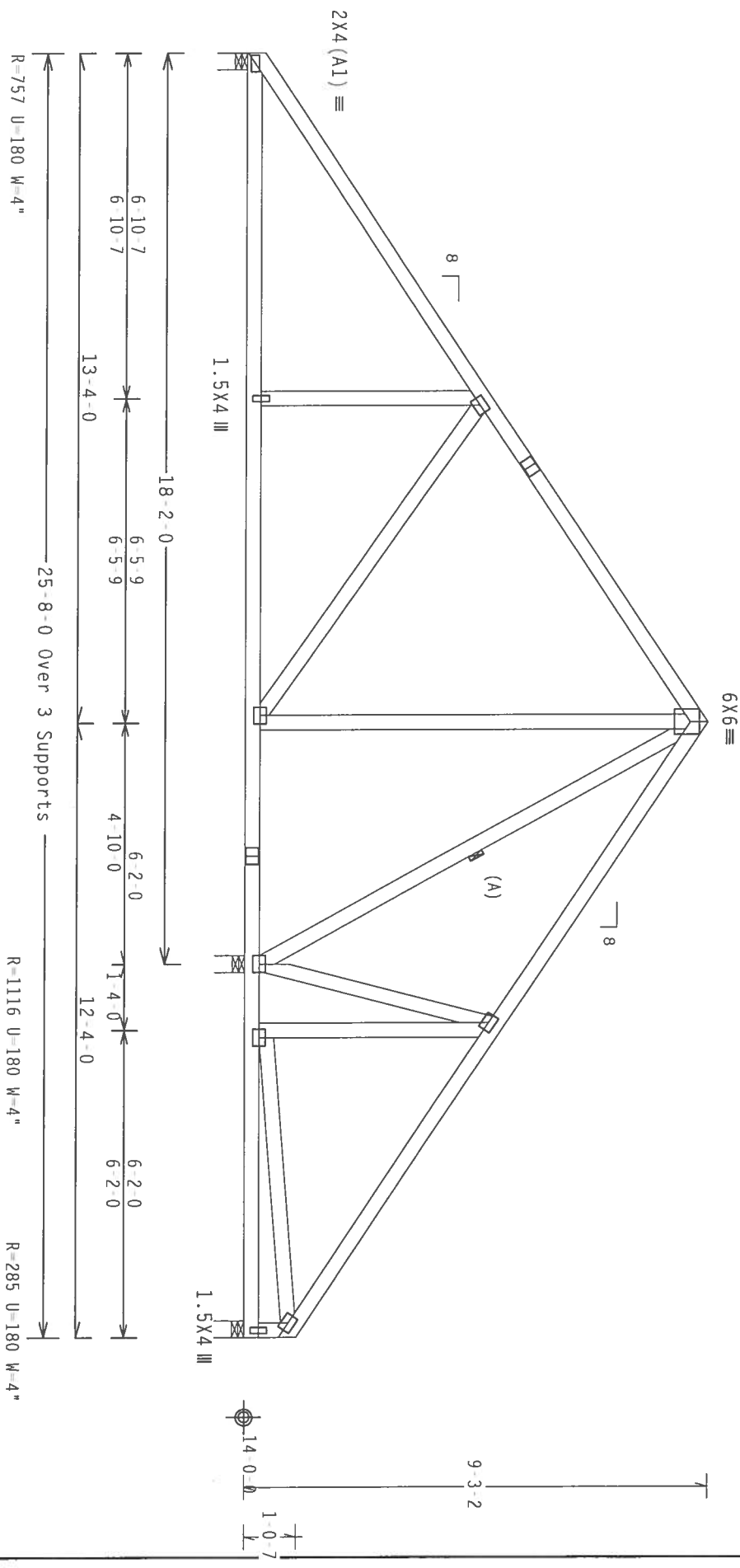
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(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.

110 mph wind, 18.82 ft mean hgt, ASCE 7-02, 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. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
 $C_q/RT=1.00(1.25)/10(0)$

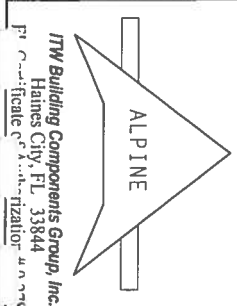
QTY: 1 FL/-/4/-/E/R/-

Scale = .3125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF 2005 NATIONAL DESIGN SPEC. BY AREA) AND TPI. ITW BCG CONSTRUCTION PLATES ARE MADE OF 2018/16GA (W/55/55) ASTM A653 GRADE 40/60 (W, KTH-55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOR AND BY THE INSTALLER. THE DESIGN IS BASED ON TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. THE ENGINEER'S SIGNATURE SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/SPRI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
Professional Engineer License No. 66648
FLORIDA ENGINEER
07



TC LL	20.0 PSF	REF	R487 -	2769
TC DL	10.0 PSF	DATE	11/28/07	
BC DL	10.0 PSF	DRW	HCSR487	07332013
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT. LD.	40.0 PSF	SEQN-	24582	
DUR. FAC.	1.25	FROM	AH	
SPACING	24.0"	JRFF-	1TCU487	201

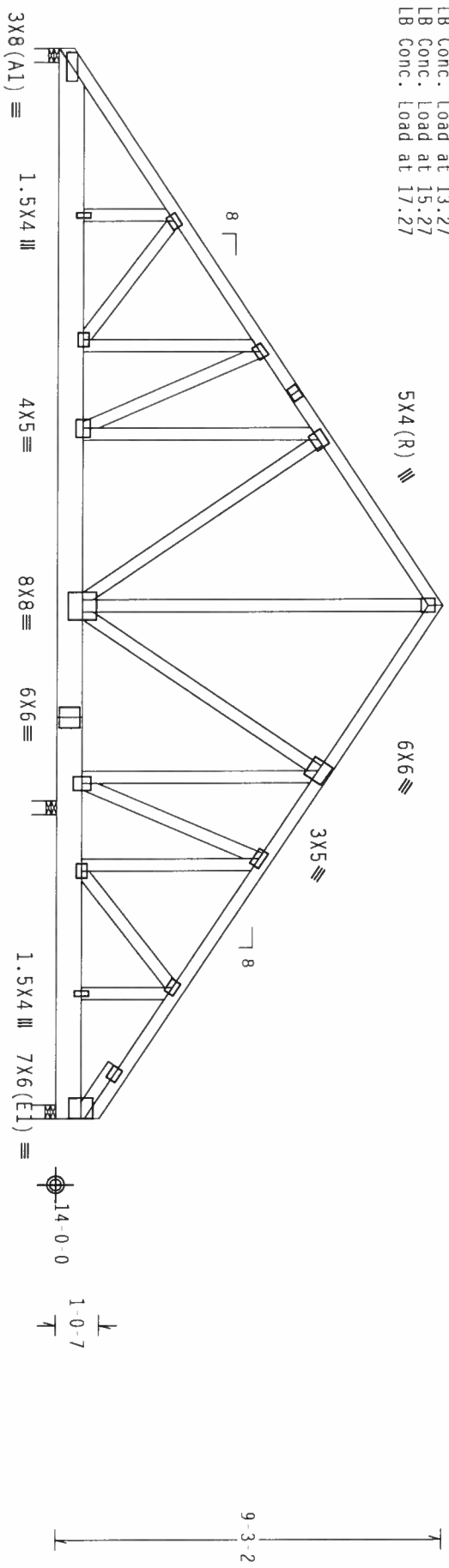
(7 165 1 T20)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #5
Webs 2x4 SP #3
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS"). TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS. PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -0.00 to 64 PLF at 13.33
TC - From 64 PLF at 13.33 to 64 PLF at 25.67
BC - From 220 PLF at 0.00 to 220 PLF at 11.79
BC - From 20 PLF at 11.79 to 20 PLF at 25.67
BC - 2953 LB Conc. Load at 11.92
BC - 1434 LB Conc. Load at 13.27
BC - 1437 LB Conc. Load at 15.27
BC - 1059 LB Conc. Load at 17.27



R=4098 U=679 W=4"
R=6923 U=1146 W=4"
R=377 U=180 W=4"

Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI 2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.123

WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, UNLOADING AND BRACING. RETURN TO BEST QUALITY TRUSS COMPANY, INC., 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND AVOID TRUSS COMPANY, INC. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES. THE BCG CONDUCTOR PLATES ARE MADE OF 70/10/1064 (W/55%) ASTM A653 GRADE 40/60 (W/55%) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMES AS OF TPI 2002 SEC. 3. A SEAL ON THIS DESIGN INDICATES THE BCG HAS REVIEWED AND APPROVED THE USE OF THIS CONCEPT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMES/TPI SEC. 2.

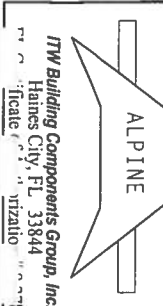
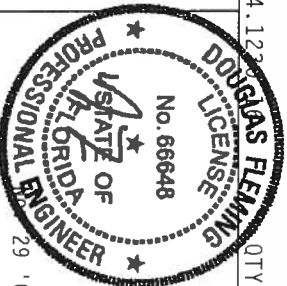
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 5.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 18.82 ft mean hgt, ASCE 7-02, 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. lw=1.00 Gcp1(+/-)=0.18

Wind reactions based on MMFRS pressures.

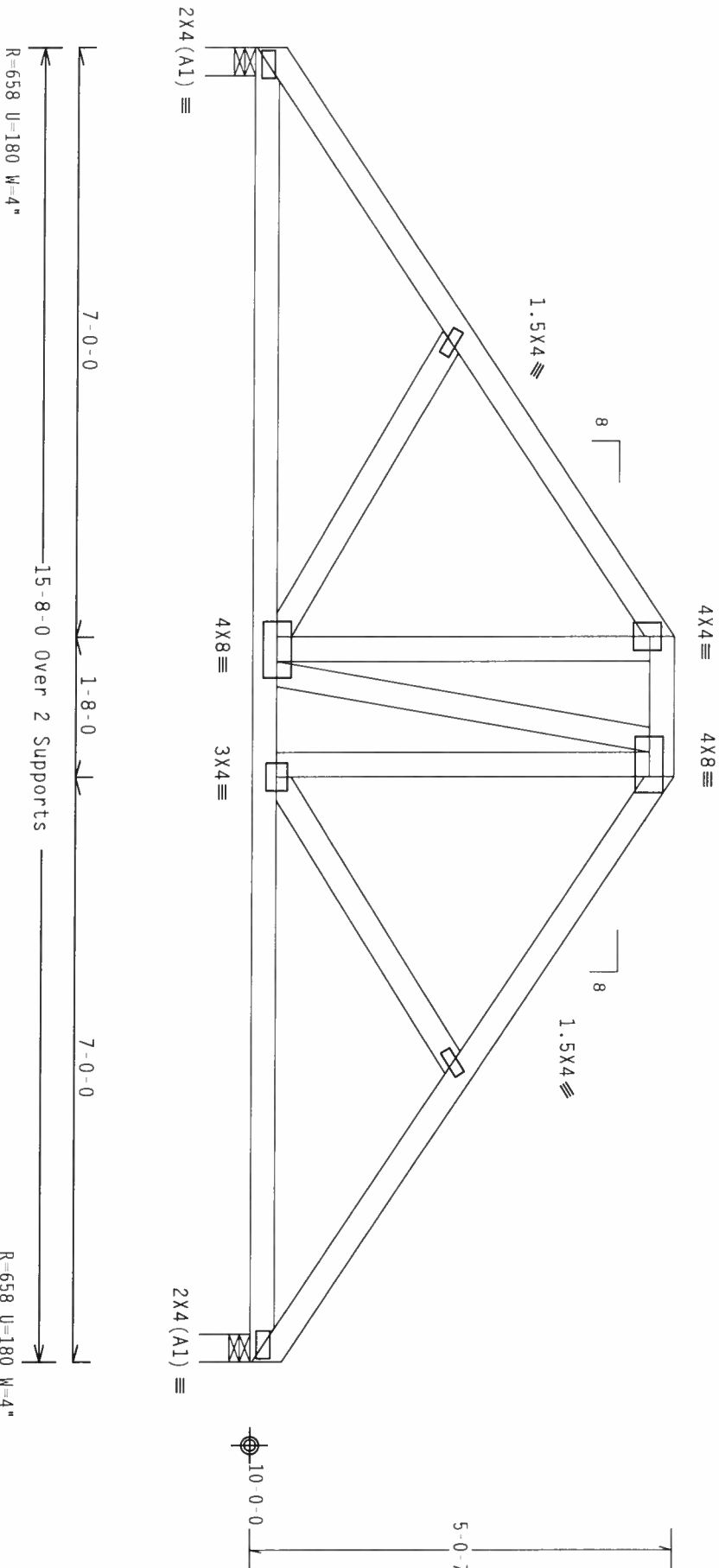
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



TC LL	20.0 PSF	REF	R487 - 2770
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	HCUSR487 07333037
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN	23365
DUR.FAC.	1.25	FROM	AH
SPACING	SFF ABOVE	DRFF	ITCU487_201

Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
Webbs	2x4	SP	#3	

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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. $I_w=1.00$ Gcpi(+/-)0.18



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0)$

QTY:1 FI/-/A/-/E/R/-

Scale = 5"/Ft

****WARNING**** THESE STRUCTURAL EXISTING CASE IN TOLERATION, AND THE FOLLOWING, INSTALLING, AND BRACKET, REFER TO BECI (BUILDING COMPONENT SAFETY INFORMATION) PROVIDED BY THE NATIONAL PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALBANY, NY 12204-4906, AND WICK, HOBBS, CONNELL, ENTERPRISE, LLC, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS, AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH REC. INC. SHALL NOT**


ITEM: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (H, H/55/K) AS1H A653 GRADE 40/60 (H, K/H, 55) GALV. STEEL. APPLY

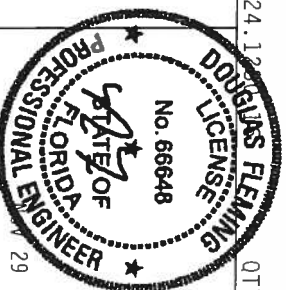
ANY INSPECTION OF PLANS FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUST DOCUMENT.

BUILDING DESIGNER PER ANSI/APA 1 SEC. 2

100



ITW Building Components Group, Inc.
Haines City, FL 33844
Telephone: 813/939-7100
Fax: 813/939-7101
Website: www.alpinebuilding.com



TC LL	20.0 PSF	REF	R487--	2771
TC DL	10.0 PSF	DATE	11/29/07	
BC DL	10.0 PSF	DRW	HCUSR487	07333005
BC LL	0.0 PSF	HC-ENG	DAL/DF	*
TOT. LD.	40.0 PSF	SEQN-	23343	
DUR. FAC.	1.25	FROM	AH	
SPACING	24.0"	JREF-	1TCU487	Z01

Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense

Webbs 2x4 SP #3 : W3 2x8 SP SS:

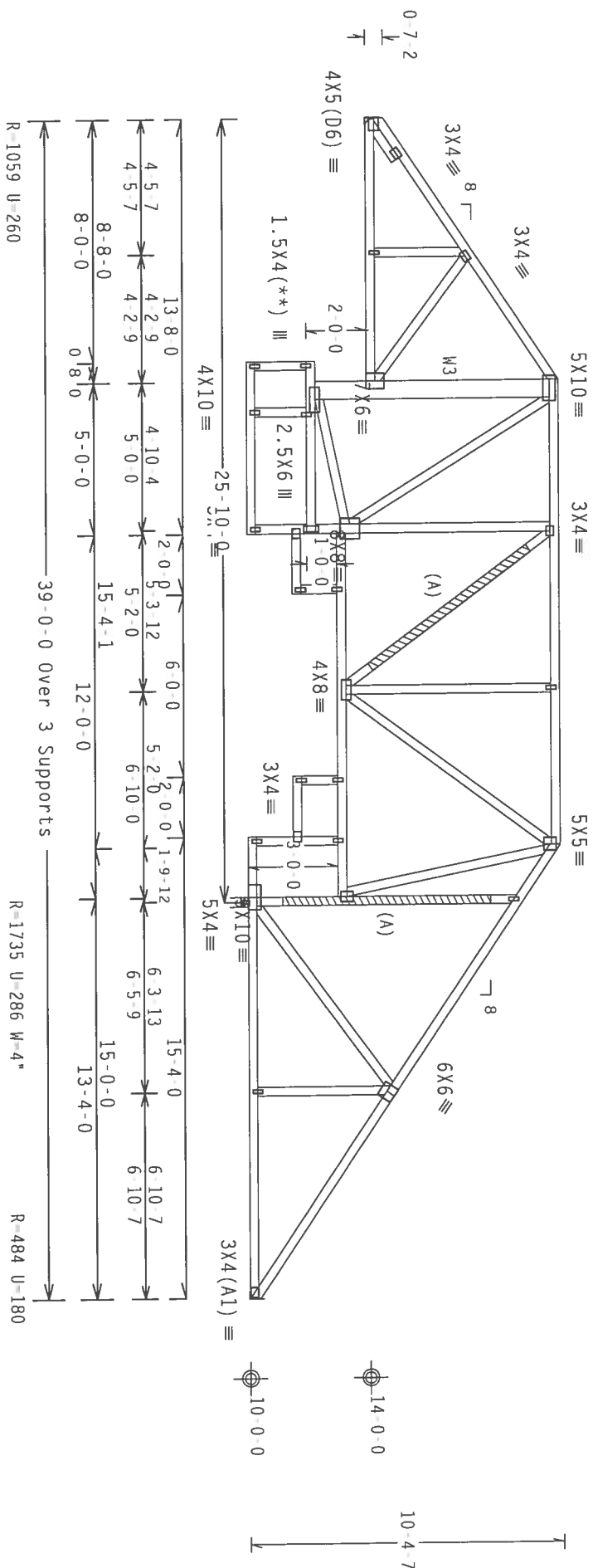
Filler 2x4 SP #2 Dense
:lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

See DWGS TCILLER0207 and BCILLER0207 for filler details.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.

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

Laterally brace BC above filler @ 24" O.C.
Including a lateral brace at chord ends.



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

110 mph wind, 15.37 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT I, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ gcpi(+)=0.55

Wind reactions based on MMFRS pressures.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

$$Cq/RT=1.00(1.25)/10(0)$$

QTY: 1

QTY:1	FL/-/4/-/E/R/-
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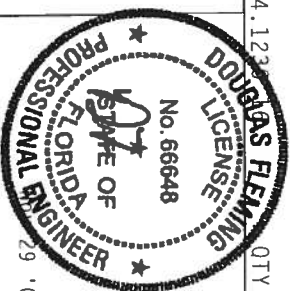
Scale = .1875"/ft.

[illegible]

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 3384



TC LL	20.0 PSF	REF	R487-- 2772
TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCSUR487 07332026
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	24628
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCU487 201

(7 165 1 T17)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 7.42
TC - From 64 PLF at 8.25 to 64 PLF at 15.67
BC - From 20 PLF at 0.00 to 20 PLF at 15.67
BC - 383 LB Conc. Load at 0.94, 2.94, 4.94, 6.94, 8.94
BC - 299 LB Conc. Load at 10.91
BC - 215 LB Conc. Load at 12.91
BC - 132 LB Conc. Load at 14.91

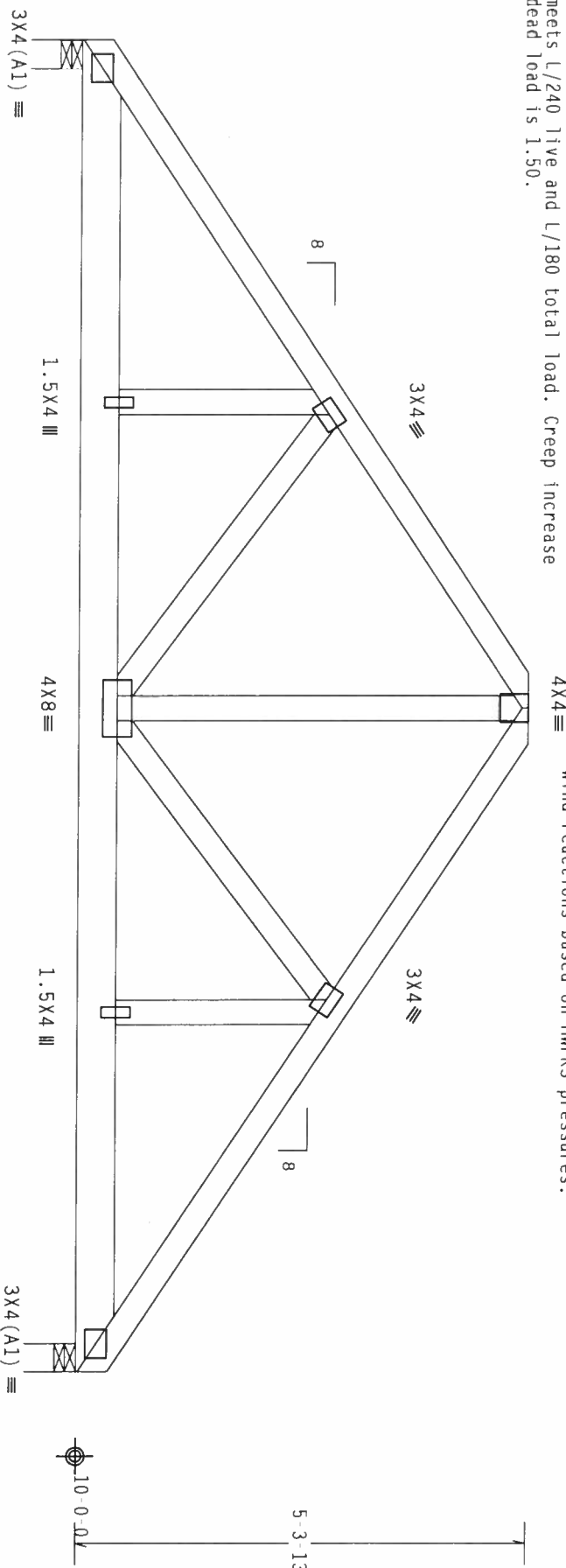
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @11.00" o.c.
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 7-02, 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, lw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MMFRS pressures.



7-10-0 15-8-0 Over 2 Supports 7-10-0
R=2083 U=180 W=4" R=1744 U=180 W=4"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

QTY:1

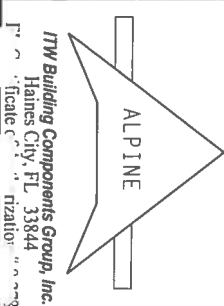
FL/-/4/-/E/R/-

Scale =.5"/ft.

WARNING TRUSSES REQUIRE EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RITER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6100 ENTERPRISE LANE, MADISON, WI, 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF THE TRUSS IN CONFORMANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2005 QUALITATIONAL DESIGN SPEC. BY ACPA AND TPI. ITW BCG PLATES ARE MADE OF 20/10/1064 (W/10/55/5) ASH/AL55 GRAD. 40/60 (W, K/10/55) GALV. STEEL. APPLY PLATES TO CHORDS AND WEBS. BRACING SHALL BE PROVIDED IN ACCORDANCE WITH TPI-2002 SEC.3. ANY INSPECTION OF PLATES FOLLOWED BY A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ACSI/TPI 1 SEC. 2



ITW Building Components Group, Inc.
Haines City, FL 33844
Toll Free 1-800-333-3333



TC LL	20.0 PSF	REF R487-- 2773
TC DL	10.0 PSF	DATE 11/29/07
BC DL	10.0 PSF	DRW HCUSR487 07333018
BC LL	0.0 PSF	HC-ENG DAL/DF
TOT.LD.	40.0 PSF	SECN- 23350
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JRFF- 1TCU487 201

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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

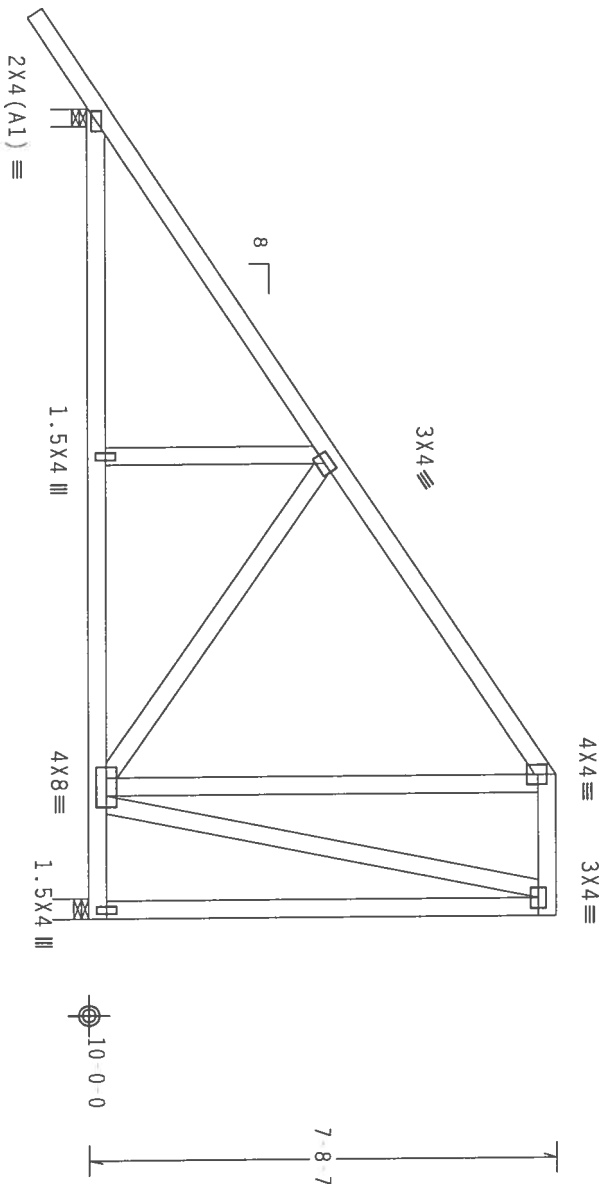
In lieu of structural panels use purlins to brace all flat TC @

Wind reactions based on MFRS pressures.

24" OC.

Right end vertical not exposed to wind pressure.

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



1967

11-0-0

2-4-0

13-4-0 Over 2 Supports

R=683 U=180 W=3.5"

R=546 U=180 W=4

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0)$$

7.24.1230

QTY:1

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

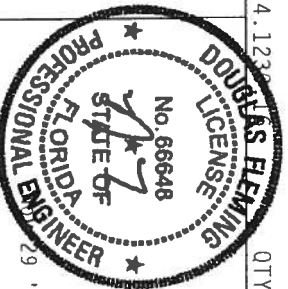
Scale = .3125"/Ft.

WARNING: THESE RIGID CEILING CORE FABRICATIONS, MANUFACTURED BY TPI (TERRACE PASTELINE AND FRANCHISE), ARE NOT DESIGNED TO BE USED AS A STRUCTURAL COMPONENT. SAFETY INFORMATION: CONSULT WITH TPI (TERRACE PASTELINE AND FRANCHISE) FOR ALL SAFETY INFORMATION. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (GOOD THINGS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. USELESSNESS INDICATED FOR CEILING SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CEILING SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844
 Fertilizer 40000

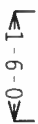


TC LL	20.0 PSF	REF	R487 - 2774
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	HCUSR487 07333022
BC LL	0.0 PSF	HC-ENG	DAL/DF *
TOT.LD.	40.0 PSF	SEQN-	23062
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF -	1TCU487 201

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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

Wind reactions based on MIFRS pressures.

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



R=546 U=180 W=4

Scale = .375"/Ft.

****IMPORTANT**** GURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IT1:00 OR FABRICATING, HANDING, SHIPPING, INSTALLING, BRACING OF TRUSSES.

[illegible]

TC LL	20.0 PSF	REF	R487 - 2775
TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR487 07332021
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SEQN -	24506
DUR.FAC.	1.25	FROM AH	
SPACING	24.0"	JRFF -	1TCU487 201

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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. $I_w=1.00$ $Gcpi(+/-)=0.18$

Wind reactions based on MMFRS pressures.

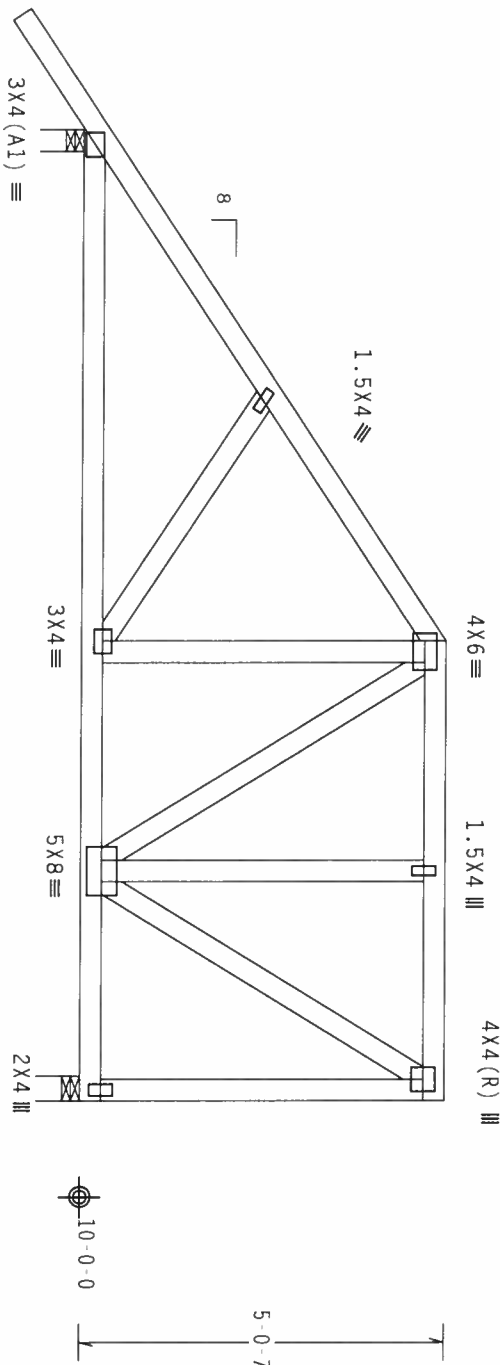
In lieu of structural panels use purlins to brace all flat TC @
24" OC.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.66 to 64 PLF at 7.00
TC - From 64 PLF at 7.00 to 64 PLF at 13.33
BC - From 5 PLF at -1.66 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 13.33
TC - 192 LB Conc. load at 7.06, 9.06, 11.06, 12.94
BC - 463 LB Conc. load at 7.00
BC - 81 LB Conc. load at 9.06, 11.06, 12.94

Right end vertical not exposed to wind pressure.

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



1 6'-0"
7'-0-0
13'-4-0 Over 2 Supports
R=1140 U=180 W=3.5"
6'-4-0
R=1563 U=208 W=4"

PLT TYP. Wave

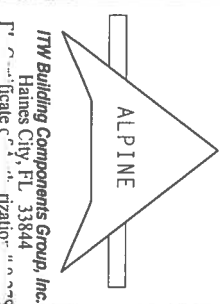
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

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

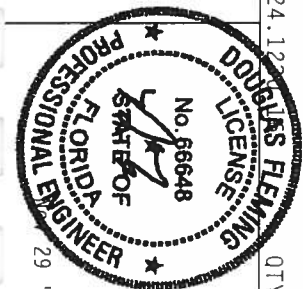
Scale = .375"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING.
REFER TO BCSI (BUILDING COMPONENTS SAFETY INFORMATION) PUBLISHED BY THE NATIONAL INSTITUTE OF
HOBAS LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WICKIWOOD TRUSS COMPANY, INC. UNLESS
OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCS, INC. SHALL NOT
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH
THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI.
CONNECTIONS FOR PLATES ARE MADE OF 70/10/16GA (W/15/5) ASH 6053 GRADE 40/60 (W/15/5) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.
DRAWING INDICATES THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



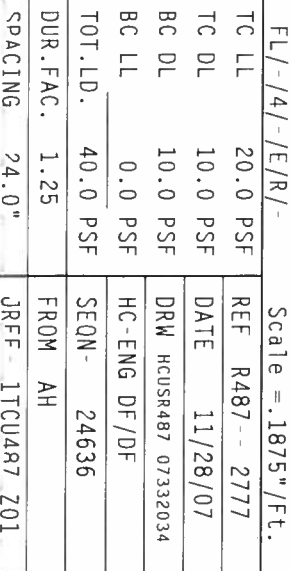
ALPINE
Building Components Group, Inc.
Haines City, FL 33844
Phone: 888-222-2222
Fax: 888-222-2222



TC LL	20.0 PSF	REF	R487 - 2776
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	HCUSR487 07333021
BC LL	0.0 PSF	HC-ENG	DAL/DF
TOT.LD.	40.0 PSF	SEQN-	23083
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	DRFF-	ITCU487 201

... ..

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

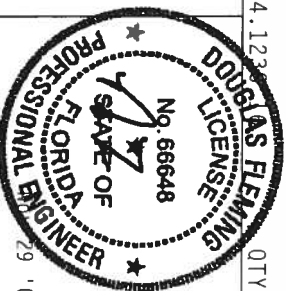


Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

Laterally brace BC above filler @ 24" O.C.
Including a lateral brace at chord ends.



...ificate...



TC LL	20.0 PSF	REF	R487 - - 2778
TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCU8R487 0733Z0202
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	24643
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCU487 201

110 mph wind, 15.43 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 Gcpi (+/-)=0.18

Wind reactions based on MIFRS pressures.



$R=515$ $U=180$ $M=3.5''$

Scale = .5"/Ft.



ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE RUSS COMPONENT BUILDING SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER AMEX/TPI 1 SEC. 2

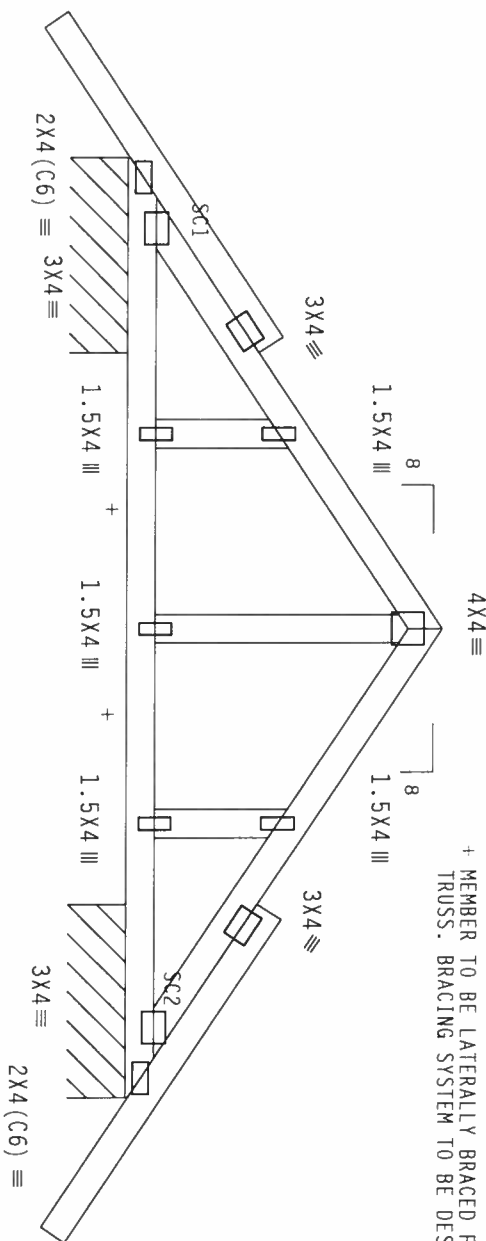
JR-F-11CJ487-201

(7 165 1 TS)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Stack Chord SC1 2x4 SP #2 Dense:
Stack Chord SC2 2x4 SP #2 Dense:

Truss spaced at 24.0" OC designed to support 1-0-0 top chord
outlookers. Cladding load shall not exceed 4.00 PSF. Top chord must
not be cut or notched.

Stacked top chord must NOT be notched or cut in area (NNL) - Dropped
top chord braced at 24" o.c. intervals. Attach stacked top chord
(SC) to dropped top chord in notched area using 3x4 tie-plates 24"
o.c. Center plate on stacked/dropped chord interface, plate length
perpendicular to chord length. Splice top chord in notched area
using 3x6.



110 mph wind, 15.77 ft mean hgt, ASCE 7-02, CLOSED bldg, located
anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0
psf. $I_w=1.00$ $G_{cpl}(+/-)=0.18$
Wind reactions based on MWFRS pressures.
See DWGS A11030FE0207 & GBLLET11N0207 for more requirements.
In lieu of structural panels use purlins to brace TC @ 24" OC.
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF
THE ROOF, FLOOR AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS,
AND SUPPORTING SHEAR WALLS. DIAPHRAGMS AND SHEAR WALLS MUST
PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL
CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.
+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO
TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

QTY: 1

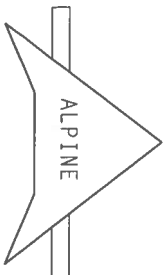
FL/-/4/-/E/R/-

Scale = .5"/ft.

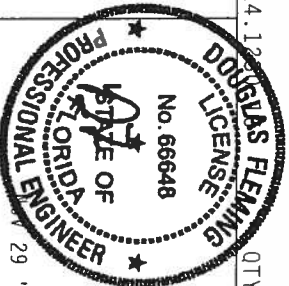
WARNING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING
NOTER TO BEST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PARTS INSTITUTE), 6300
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WICKIWOOD TRUSS COMPANY OF AMERICA, 6300
ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPI BCG, INC. SHALL NOT
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH
THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ALARA) AND TPI. TPI BCG
CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/S) ASH OR 6061 ALUMINUM 40/60 (W, K/H, S/S) GALV. STEEL. APPLY
ALUMINUM OR GALV. STEEL TO ALL EXPOSED SURFACES. (1) SHALL BE PERMANENT AS OF 1/11/2002 SEC. 3. A SEAL ON THIS
DRAWING INDICATES THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TPI Building Components Group, Inc.
Haines City, FL 33844
TPI Building Components Group, Inc.
Haines City, FL 33844



TC LL	20.0 PSF	REF	R487 - 2780
TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HGUSR487 07332029
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	40.0 PSF	SEQN-	24551
DUR. FAC.	1.25	FROM	AH
SPACING	SFF ABOVE	JRFF-	1TCU487 201

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

110 mph wind, 15.48 ft mean hgt, ASCE 7-02, 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 Gcpl(+/-)=0.18

Wind reactions based on MIFRS pressures.



Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$

QTY:1

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

Scale = .5" / Ft.

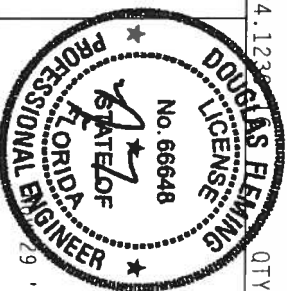
*WARNING-TRUCKS REQUIRE EXISTING GATE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND PRACTICING TO ACCESS BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE BRASS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK AND KNOX TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, SUITE 501, 51719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. INTERESTED PARTIES SHOULD HAVE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844

Final Remarks



TC LL	20.0 PSF	REF	R487 - 2781
TC DL	10.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR487 07332037
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	24555
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF -	1TCU487 201

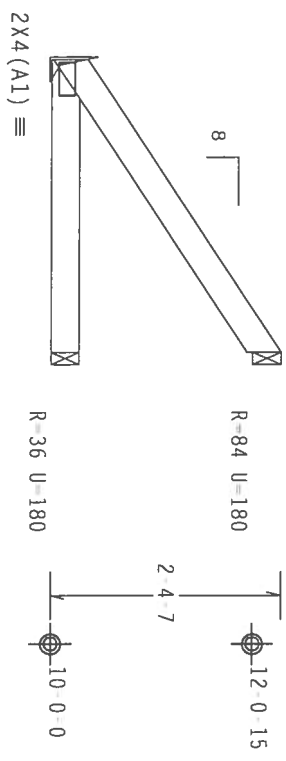
(7.165 - 1 - T10)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

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 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(\text{r/r})=0.18$
Wind reactions based on MWFRS pressures.



3'-0'-0" Over 3 Supports
R=132 U=180

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

Scale = .5"/Ft.

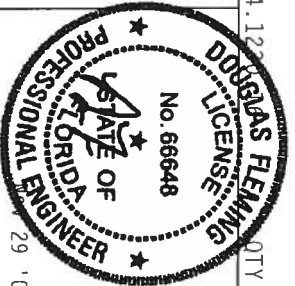
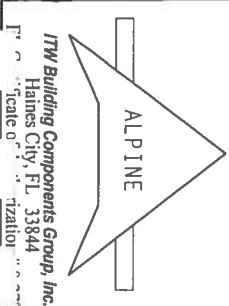
****WARNING**** TRUSSES BEARING EXTREME CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304. ENTERPRISE LANE, MANASSAS, VA 20108. OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2005 NATIONAL DESIGN SPEC. BY ACPA) AND TPI. THE BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.

THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.



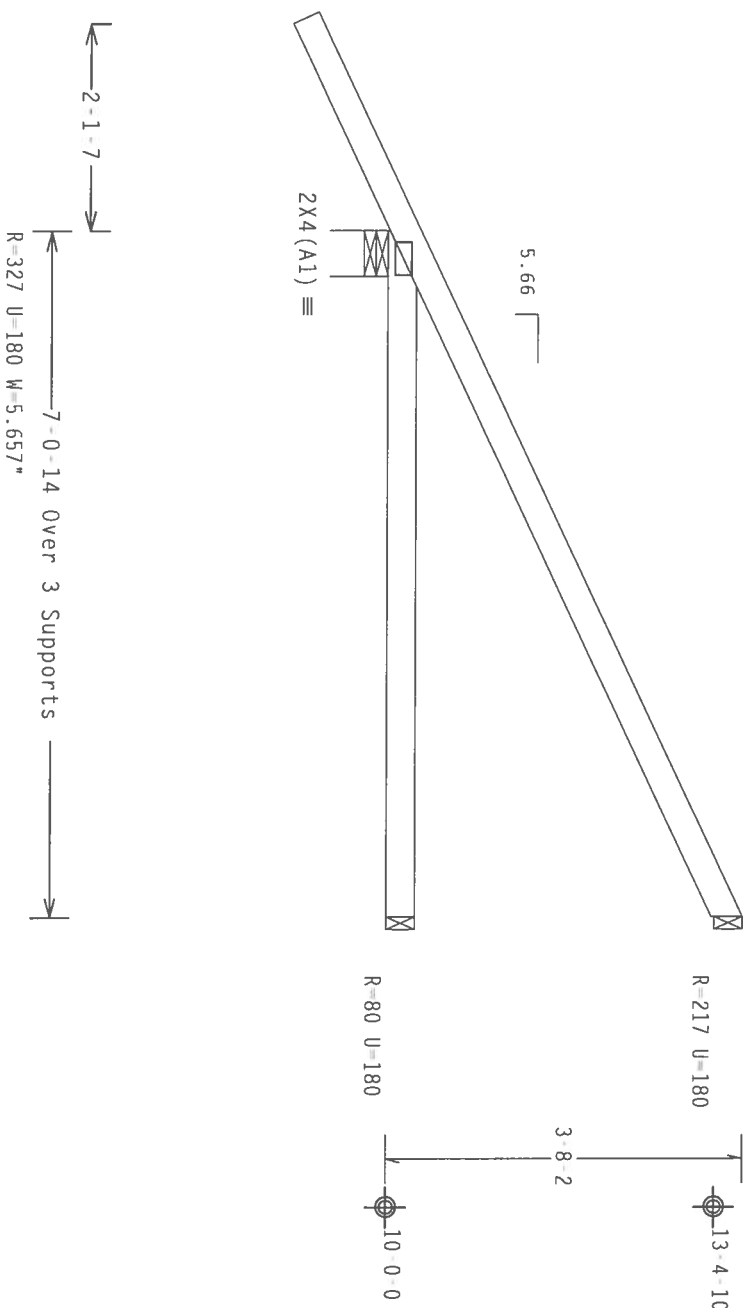
TC LL	20.0 PSF	REF R487-- 2782
TC DL	10.0 PSF	DATE 11/29/07
BC DL	10.0 PSF	DRW HCUSR487 07333016
BC LL	0.0 PSF	HC-ENG DAL/DF *
TOT.LD.	40.0 PSF	SEQN- 23315
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JRFF- 1TCU487 201

Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT 11, EXP B, wind Tc DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 gcpi (+/-) 0.18

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: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0) \quad 7.24.12$$

QTY:2 FL/-/4/-/E/R/-

Scale = .5"/Ft.

*****WARNING***** PRICES (BUILDING COMPONENTS) IN FAMILIATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO MCS1 (BUILDING COMPONENT IN SAFETY INFORMATION). PUBLISHED BY TPI (TROSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 65000 CRITCHFIELD LANE, MADISON, MI, 48131) FOR SAFETY PRACTICES PRIOR TO REFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CELLING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT

TYPE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

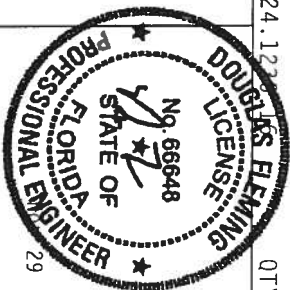
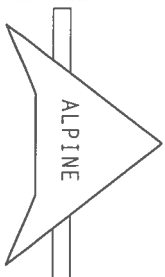
PLATES IN EACH FACT OF THREE AND UNITS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS. CONNECTOR PLATES ARE MADE OF 20/18/1666 (H.H./S.S/K) WITH A653 GRADE 40/60 (H. K/H.SS) GALV. STEEL. APPLY

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

[illegible]

ITW Building Components Group, Inc.
Haines City, FL 33844
F1 Coefficient of Variation = 0.0077



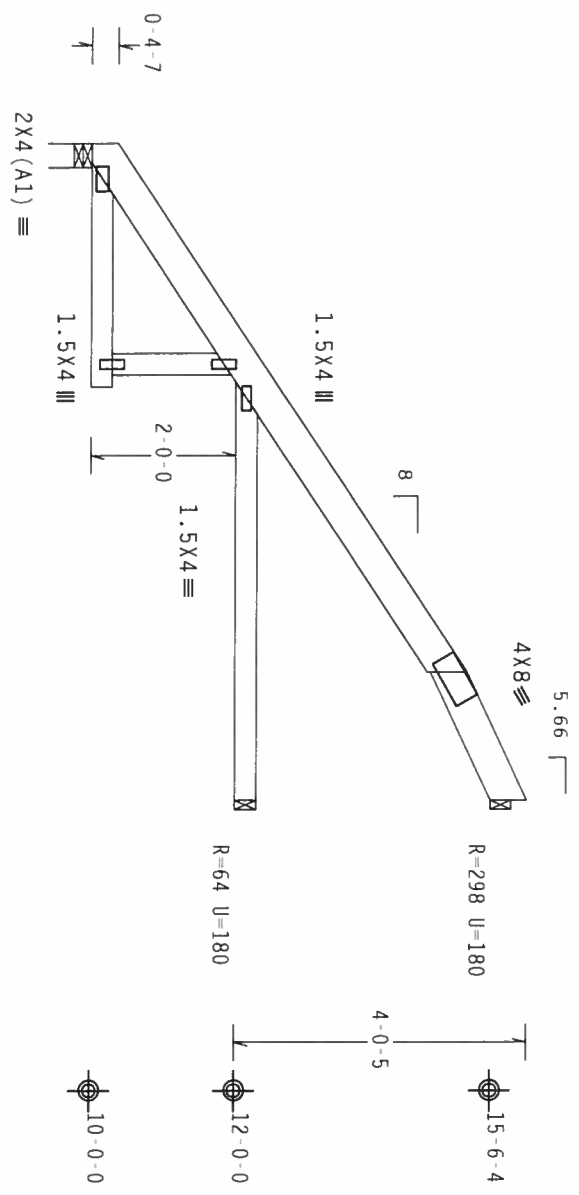
TC LL	20.0 PSF	REF	R487 - 2783
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	HCUSR487 07333003
BC LL	0.0 PSF	HC-ENG	DAL/DF
TOT.LD.	40.0 PSF	SEQN -	23331
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	URFF -	1TCU487 201

(7 165 1 T15)

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Calculated horizontal deflection is 0.12" due to live load and 0.19" due to dead load.
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.

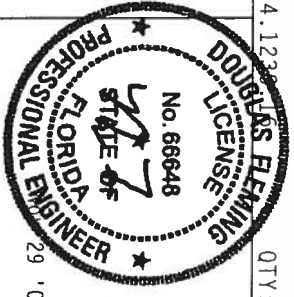
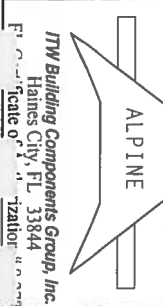
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



9-0-0 Over 3 Supports
R=368 U=180 W=4"
(0.769" Effective Contact)

PLT TYP. Wave
Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.123

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES MUST BE PROTECTED FROM DAMAGE DURING TRANSPORT AND STORAGE. TRUSSES MUST BE PROTECTED FROM DAMAGE DURING TRANSPORT AND STORAGE. TRUSSES MUST BE PROTECTED FROM DAMAGE DURING TRANSPORT AND STORAGE.



TC LL	20.0 PSF	REF	R487 - 2784
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	HCUSR487 07333010
BC LL	0.0 PSF	HC-ENG	DAL/DF
TOT. LD.	40.0 PSF	SEQN	23295
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF	1TCU487 201

Scale = .375"/ft.

Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	Wbs	2x4	SP	#3	

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

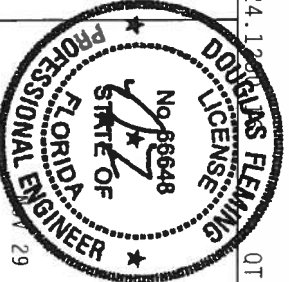
Wind reactions based on MWFRS pressures.
#1 hip supports 5-0-0 jacks with no webs.



Scale = .375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844



TC LL	20.0 PSF	REF	R487 - - 2785
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	HCUSR487 07333004
BC LL	0.0 PSF	HC-ENG	DAL/DF
TOT. LD.	40.0 PSF	SEQN-	23339
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCU487 201

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

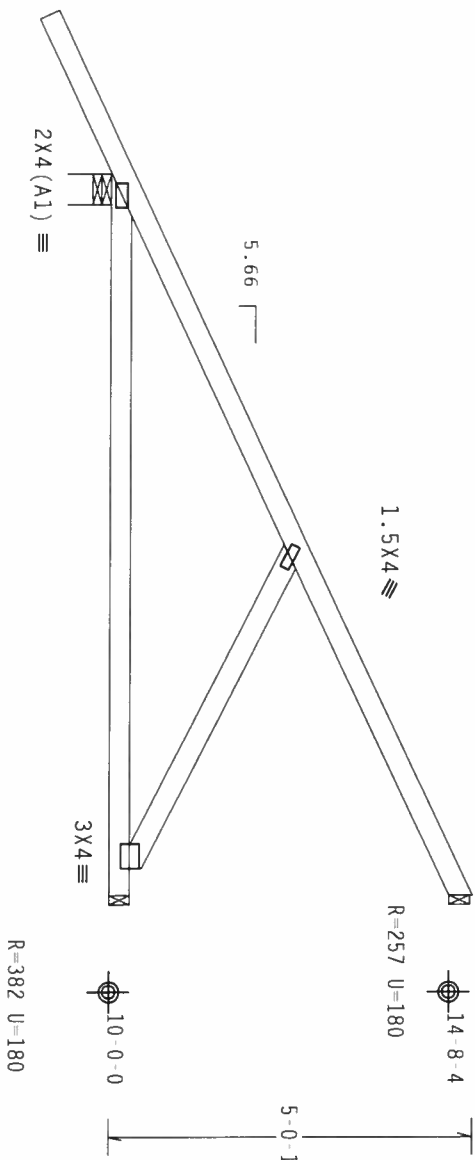
Hipjack supports 7'-0" setback jacks with no webs.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpt (+/-)=0.18

Wind reactions based on MWFRS pressures.

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.



←2-1-7→
9'-10-13 Over 3 Supports
R=477 U=180 W=4.95"

PLT TYP. Wave

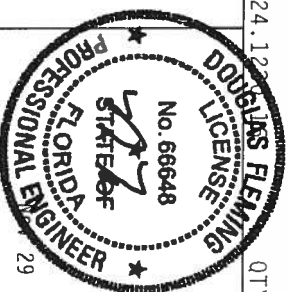
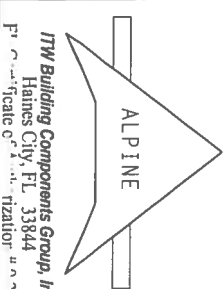
Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0)

QTY: 2 FL/-/4/-/E/R/-

Scale = .375"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATING INSTITUTE), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 1000 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF BOSS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 70/30/1664 (W/JV/S/S) ASH AND 30/30/1664 (W/JV/S/S) GALV. STEEL. APPLY ANY INSPECTION OF CONNECTIONS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRANCHES 1604 Z. BRACING INDICATES ACCEPTABLE BRACING FOR THE TRUSS COMPONENT. A SEAL ON THIS BUILDING DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - 2786
TC DL	10.0 PSF	DATE	11/29/07
BC DL	10.0 PSF	DRW	HGUSR487 07333020
BC LL	0.0 PSF	HC-ENG	DAL/DF
TOT. LD.	40.0 PSF	SEQN-	23072
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCU487 201