## 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 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

## 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

39 02791--T48

Seal Date: 11/29/2007

-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-

Description

Date

Drawing# 07333015 11/29/07

-	Def Deserted	Daniel a - "	Data
#	Ref Description	Drawing#	Date
1	02753T31	07333001	11/29/07
2	02754 T32	07332019	11/28/07
3	02755T33	07333028	11/29/07
4	02756 T40	07332025	11/28/07
5	02757T51	07333027	11/29/07
6	02758T30	07333035	11/29/07
7	02759T80	07332041	11/28/07
8	02760T61	07332033	11/28/07
9	02761 T53	07332030	11/28/07
10	02762T84	07332042	11/28/07
11	02763T88	07333034	11/29/07
12	02764T34	07332020	11/28/07
13	02765T21	07332015	11/28/07
14	02766T2	07332014	11/28/07
15	02767T1	07332001	11/28/07
16	02768T3	07332018	11/28/07
17	02769T19	07332013	11/28/07
18	02770T20	07333037	11/29/07
19	02771T12	07333005	11/29/07
20	02772T41	07332026	11/28/07
21	02773T17	07333018	11/29/07
22	02774T52	07333022	11/29/07
23	02775T36	07332021	11/28/07
24	02776T28	07333021	11/29/07
25	02777 T63	07332034	11/28/07
26	02778T42	07332027	11/28/07
27	02779T6	07332032	11/28/07
28	02780T5	07332029	11/28/07
29	02781 T68	07332037	11/28/07
30	02782T10	07333016	11/29/07
31	02783T13	07333003	11/29/07
32	02784T15	07333010	11/29/07
33	02785T23	07333004	11/29/07
34	02786T24	07333020	11/29/07
35	02787 T44	07333006	11/29/07
36	02788T45	07333011	11/29/07
37	02789 T46	07333017	11/29/07
	2.02		

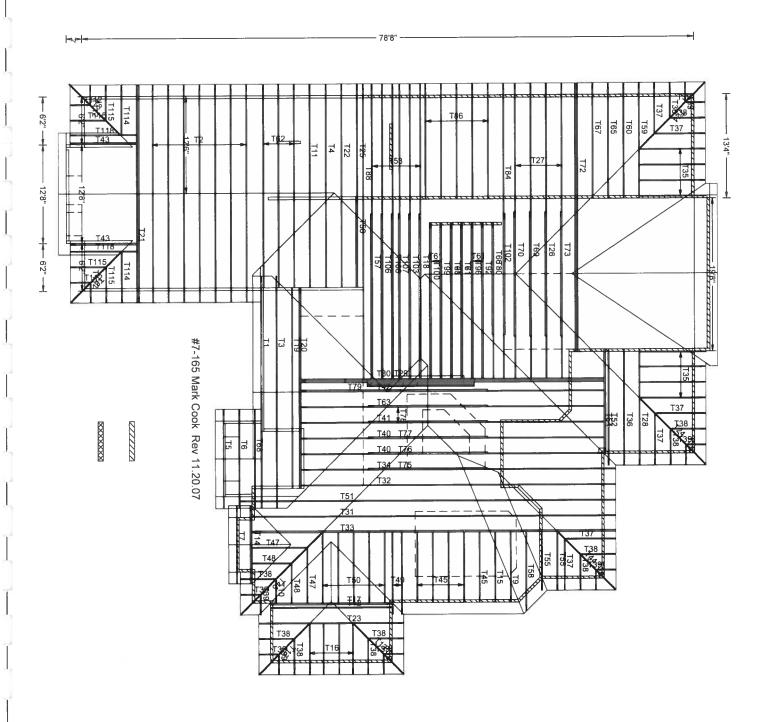
07333014 11/29/07

38 02790 -- T47

40	02792T49	07333012	11/29/07
41	02793T16	07333002	11/29/07
42	02794T86	07332043	11/28/07
43	02795T37	07332022	11/28/07
44	02796T38	07332023	11/28/07
45	02797T39	07332024	11/28/07
46	02798T50	07333013	11/29/07
47	02799T55	07333007	11/29/07
48	02800T58	07333008	11/29/07
49	02801 T7	07333038	11/29/07
50	02802T112	07332008	11/28/07
51	02803T8	07332040	11/28/07
52	02804T115	07332010	11/28/07
53	02805T9	07333009	11/29/07
54	02806T114	07332009	11/28/07
55	02807T35	07333019	11/29/07
56	02808T59	07333023	11/29/07
57	02809T118	07332011	11/28/07
58	02810T43	07332028	11/28/07
59	02811T54	07333039	11/29/07
60	02812T73	07333040	11/29/07
61	02813T26	07333041	11/29/07
62	02814T69	07332038	11/28/07
63	02815T70	07333036	11/29/07
64	02816T66	07332036	11/28/07
65	02817T92	07332044	11/28/07
66	02818T96	07332045	11/28/07
67	02819T71	07332039	11/28/07
68	02820T76	07333042	11/29/07
69	02821T77	07333043	11/29/07
70	02822T78	07333044	11/29/07
71	02823T79	07333045	11/29/07
72	02824T98	07332046	11/28/07
7.3	02825T29	07332017	11/28/07
74	02826T99	07332047	11/28/07
75	02827T100	07332002	11/28/07
76	02828T103	07332004	11/28/07

#	Ref Description	Drawing#	Date
77	02829T18	07332012	11/28/07
78	02830T107	07332006	11/28/07
79	02831 T108	07332007	11/28/07
80	02832T106	07332005	11/28/07
81	02833T57	07332031	11/28/07
82	02834T75	07333046	11/29/07
83	02835T56	07333047	11/29/07
84	02836T102	07332003	11/28/07
85	02837T14	07333048	11/29/07
86	02838T27	07332016	11/28/07
87	02839T60	07333024	11/29/07
88	02840T65	07332035	11/28/07
89	02841T67	07333025	11/29/07
90	02842T72	07333026	11/29/07
91	02843T62	07333029	11/29/07
92	02844T11	07333030	11/29/07
93	02845T25	07333033	11/29/07
94	02846 T22	07333032	11/29/07
95	02B47T4	07333031	11/29/07





(7 165 | T31)

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

In lieu of structural panels use purlins to brace all flat  $24\mbox{ "}$  OC.

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

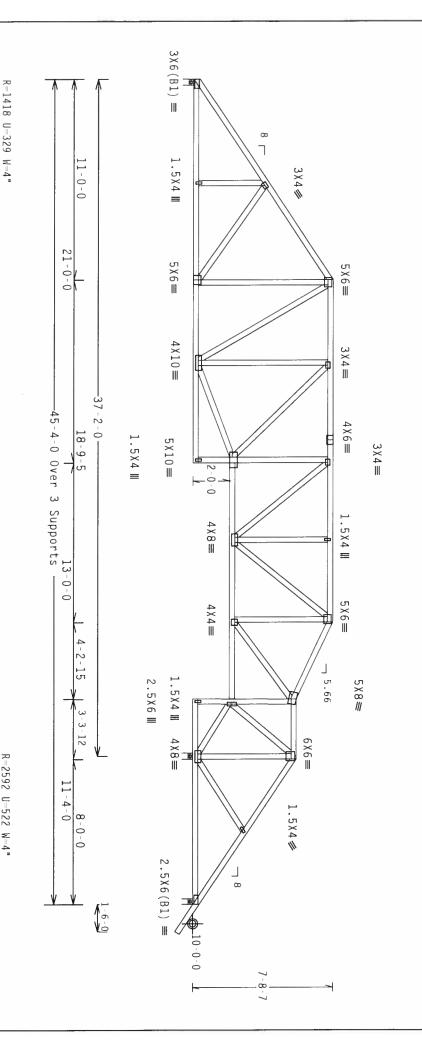
shipping

TC

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART.\_ENC. bldg, rocated within 6.50 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 not

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.



PLT TYP.

Wave

DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGLIEERING RESPONSIBILITY DESIGN SHOWN. HE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING DESIGNER PER ANSI/IPI I SEC. 2.

ANY BUILDING IS

DZ SEC.3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT HE IS THE RESPONSIBILITY OF THE

07

TOT.LD.

40.0

PSF

23271

SPACING DUR.FAC.

24.0" 1.25

> JRFF -FROM SEQN-

1TCU487

201

ALPINE

\*\*IMPORTANT\*\*\*URBHISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, THE. SHALL NOT BE RESUMSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY TAILINE (O BUILD THE RUSSES) IN COMPORMANCE WITH PICE OR FABRISHED THE ANY TAILINE (O BUILD THE RUSSES).

DESIGN CONTROLLING, SHAPPING, INSTALLING & BRACING OF THUSSES.

DESIGN CONTROLLING, SHAPPING, INSTALLING & BRACING OF THUSSES, BY AFRAYA AND FIT. THE BCC CONTROLLING PROPERTY OF THE PROPERTY OF THE BRACING CONTROLLING PROPERTY OF THE BRACING SEGN Z AND THE SECOND THE BRACING OF THE BRACING SEGN Z AND THE SECOND THE BRACING SEGN Z AND THE SECOND THE BRACING SEGN Z AND THE SECOND THE BRACING SEGN Z AND THE BRACING SEGN Z

\*\*WARNING\*\* INUSSES HI OUTRE EXTREME CARE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FIFT (TRUSS PLATE INSTITUTE, ZIB. HORTH LEE STREET, SUITE 312. ALEXANDRIA, NA, 22319 AND MICHA (MODD TRUSS COUNCIL OF AMERICA. 6300 CHIERDRISE LINE, MADISON, HI 53/19) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNITESS OTHERWISE HOLD CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL FAMELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHD CELLING.

CENS No. 66648

BC DL

10.0 PSF

0.0 PSF

HC-ENG DAL/DF DRW HCUSR487 07333001 TC DL TC LL

10.0 PSF 20.0 PSF

DATE REF

11/29/07

QTY:1

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

Scale =.1875"/Ft.

R487--

2753

R=-143 U=193 W=3.5"

Design Crit:

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

165

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

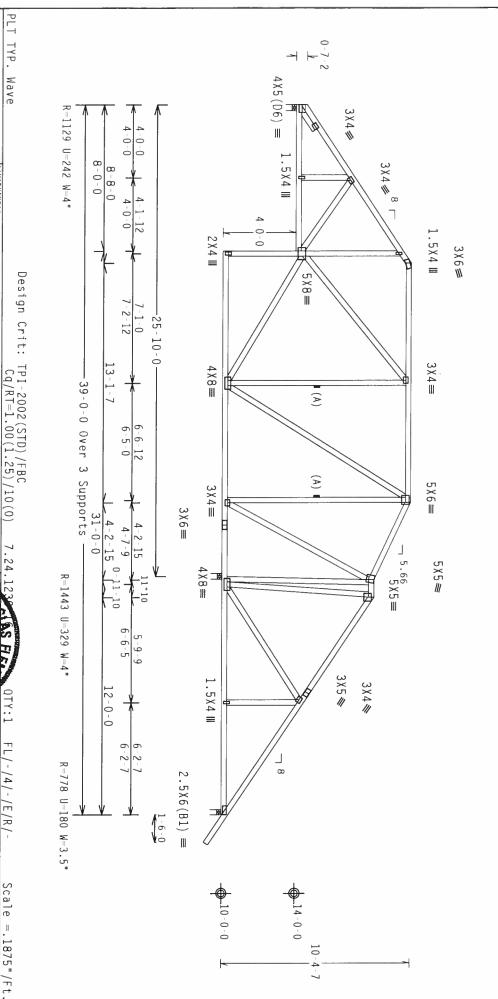
 $\widehat{\mathbb{A}}$ Continuous lateral bracing equally spaced on member.

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

110 mph wind, 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 MWFRS pressures.

In lieu of structural panels use purlins to brace all flat  $0\ensuremath{\text{C}}\xspace$  . TC **@** 24 "



\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, THE. SHALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM HITS DESIGN; ANY FAILURE TO BUILD HEE RUSS IN COMPORMANCE WITH TP:: OR FARRICATHG. INMIDIAG. SHEPPING. HISTALLING A BRACHE OF TRUSSES.

DESIGN CONFERENCE HE APPLICABLE PROVISIONS OF HOS (HATIONAL DESIGN SPEC, BY ATRAY) AND IPI. THE BCS. COMMICTION PLATES ARE MORE OF 70/18/16GA (M.H/SS/K) ASHA MGS JGANDE MG/60 (M. K/M.SS) GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OFHERMISE LOCATED ON THIS DESIGN, POSITION FOR BRACHINGS 16GA Z

DRAMING INDICALES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SQUELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TRI SEC. 2. ANY INSPECTION OF PLATES FOLLOWED BY SHALL BE H.H.SS./P. ASTH AGES GRADE GA/GO (M. K/M.SS) GALV. SIEEL. APPLY OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAHINGS 160A Z. SIALL BE PER AURIX AS OF THI 2002 SEC. 3. A SEAL ON THIS DEAL ENGINEER THE TRUSS COMPONENT

Haines City, FL 3844
Ft Conficate of Authorization # 0 279

ALPINE

OSIONAL BASERVER 07 TC LL DUR.FAC. BC LL BC DL TC DL SPACING TOT.LD. /E/R/-40.0 20.0 10.0 PSF 10.0 PSF 1.25 0.0 PSF PSF PSF

> DATE REF

11/28/07

R487--

2754

DRW HCUSR487 07332019

DF/DF

24.0" JRFF 1TCU487 FROM Z01

SEQN-HC-ENG

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Top
Bot
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TW Building Components Group, Inc.
Haines City, FL 33844
FI Cartificate of Authorization # 0 778
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Chord 2x6
Webs 2x4
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297 LB Conc.
79 LB Conc.
162 LB Conc.
352 LB Conc.
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#2
#3 :W7, W8, W14 2x4 SP #2 Dense:
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Load at 31.27. 27
Load at 33.27
Load at 37.27
Load at 37.27
Load at 37.27
Load at 19.00. 1
Load at 110.06. 1
Load at 21.27. 27
Load at 33.27
Load at 33.27
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Load at 33.27
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                                                                    **IMPORTANT**Gunnish a copy of this design to the installation contractor. The DCG, inc. shall not be responsible for any deviation from this design; any falling to delicib the russs in componentic with ip: or fabricating. Annual log. Shipping. Installing a Baccing of Trusses.

DESIGN conforms with applicable provisions of mos (maintaine spec, by afra) and file. The DCC CONNECTOR plates are more Teoplaylog (a universe) and the conforms with applicable provisions of mos (maintaine spec, by afra) and file. Apply plates are more Teoplaylog (a universe). Asia Asia Grade major (a, x, x, x, x) and x steel. Apply plates to each face of russes.
                                                                                                                                                                     ***HARNING** TRUSTES REQUIRE LEVERHE CARE IN FARRECATION. HANDLING, SHIPPING, THISTACLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY HUMBHANION). PRUS BY FIX (TRUSS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 312" ALEXANDRIA, VA, ZEZJA) AND HICA (MOOD TRUSS COUNCIL OF AMERICA. 6300 ENTERPRISE LAME, HADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. DUELSS OTHERWISE HOLDICALED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAHELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHD CELLING.
                      BUILDING DESIGNER PER AUSI/TP1 1 SEC. 2.
                                 DESIGN SHOWN, 11
                                                         . CHAIRT SEED OF PLAITS FOLIOHED BY (1) SHALL BE PER AMBEX AS OF 1911-2002 SEC. 3. A SEAL ON THIS SHALL SHALL SHEEL APPLY PLAIFS TO EACH FACE OF IRRISE AND, UNESS DIFFERINGE LOCALED ON THIS DESIGN POSITION PER DAMINGS 160A-2. AMY HISPECTION OF PLAITS FOLIOHED BY (1) SHALL BE PER AMBEX AS OF 1911-2002 SEC. 3. A SEAL ON THIS CONTINUED BY (1) SHALL BE PER AMBEX AS OF 1911-2002 SEC. 3.
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10 PLF at ?
20 PLF at
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27, 23.27, ?
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31 PLF at 9.00
31 PLF at 45.33
64 PLF at 45.33
79 PLF at 47.00
9 PLF at 9.00
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13.06, 15.06, 17.06
27, 27.27, 20
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                                 ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY
HE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILD
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                               OF TP11-2002 SEC.3. A SEAL ON THIS MISTBILLITY SOLELY FOR THE TRUSS COMPONENT ANY BUILDING IS THE RESPONSIBILLITY OF THE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 X 1 0 =
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Top Chord: 1 Row @
Bot Chord: 1 Row @
Webs : 1 Row @
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bearing blocks: Nail type: 12d_Common_(0.148*x3.25*,_min.)_i
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 37.000' 1 18". Whatch Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 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
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, and installation of trusses. See "WARNING" note below.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Deflection meets L/240\, live and L/180\, total load. Creep increase factor for dead load is 1.50.\,
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Use equal spacing between rows and stagger nails
in each row to avoid splitting.
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24" OC.
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         STONAL BASSIFE
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                                                                                                                                                                       No. 66646
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@12.00" o.c.
@12.00" o.c.
@ 4" o.c.
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                                                                                                                                                                                                                                                                                                              ***R--2097 W-3.5"
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                                              DUR.FAC.
                                                                                                                       BC LL
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            SPACING
                                                                               TOT.LD.
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           SFE ABOVE
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                                                                                                                                                                                           DATE
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                                            FROM
                                                                                 SEQN-
           JRFF
                                                                                                                                                       DRW HCUSR487 07333028
                                                                                                                       HC-ENG
                                                                                                                                                                                                                                                                Scale = . 125"/Ft.
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           1TCU487
                                                                                                                     TCE / DF
                                                                                                                                                                                           11/29/07
                                                                                 .3891
                                                                                                                                                                                                                             2755
           201
                                                                                  REV
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Bot Webs 2x4 SP #3 Filler 2x4 SP #2 Dense t Slider 2x4 SP #3: BLO chord 2x4 Sp Sp Dense Dense

#3: BLOCK LENGTH =

See DWGS TCFILLER0207 and BCFILLER0207 for filler details

Laterally brace BC at 24" 0C in lieu of rigid ceiling. Laterally brace BC above filler at 24" 0C.

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

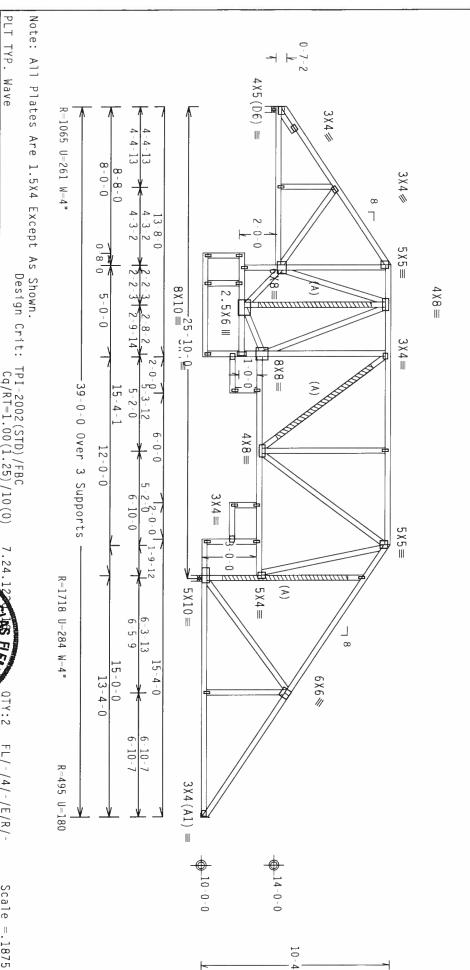
110 mph wind, 15.37 ft mean hgt, ASCE 7-02, PART.\_ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC Dl=5.0 psf. iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures

(A) #3 or better scab brace. Same size & 80% length of web Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" 0C.

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

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



ITW Building Components Group, Inc.
Haines City, FL 33844
F1 Certificate of Authorization # 0.278

BUILDING DESIGNER PER ANSI/IPI I SEC

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF DDS (MATIONAL DESIGN SPEC, BY AFRA) AND IPI. ITH BGC
CONNECTOR PLATES ARE HADE OF 707/B9/16GA (W.H/SS/K) ASTH A653 GRADE 407/G0 (W. K/M.SS) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, DURESS OFFERNISE LOCATED ON THIS DESIGN, POSITION PER DRAWHINGS 16GA Z.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF IPIL 2002 SEC.3. A SEAL ON THIS
DRAWHING INDICALES ACCEPTANCE OF PROFESSIONAL TREATHER HOR ESCONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN SHOWN. THE SULFABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE \*\*IMPORTANT\*\*GURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE REG. THE. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BRILLO THE RUSS IN COMFORMANCE WITH THE RESPONSIBLE FOR ANY DEVIATION, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFAPA) AND TPI.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFAPA) AND TPI.

CONNECTOR PLATES ARE HADE OF 70/18/16GA WENESSEN, ASTH AGS GRADE 40/60 (M. K.M.SS) GAVE. STELL APPLY.

OSIONAL ENGINEE

07

DUR.FAC.

TOT.LD.

SEQN-

24618

HC-ENG

DF / DF

SPACING

24.0" 1.25 40.0

JRFF-FROM

1TCU487

201

BC LL BC DL

\*\*MARNING\*\* RRUSE'S REQUIRE CENTREME CARL IN FARRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING, RETER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FIY ITRUSS PLATE INSTITUTE, ZIB MORTH LEE STREET, SUITE 312. ALEXANDRIA, VA, ZZ314) AND MICHA (MODD TRUSS COUNCIL OF AMERICA. 6300 CHITERRESE LANE, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE HOUSE, AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED NIGHT OF STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE

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

OUNCENS,

No. 66646

TC DL TC LL

10.0 20.0

PSF PSF

DATE REF

11/28/07

2756

10.0 PSF 0.0 PSF PSF

DRW HCUSR487 07332025

FL/-/4/-

/E/R/-

Scale =.1875"/Ft. R487--

ALPINE

Wave

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

 $\widehat{\mathbb{A}}$ Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat  $24\ensuremath{\,^{\prime\prime}}\xspace$  0C.

TC

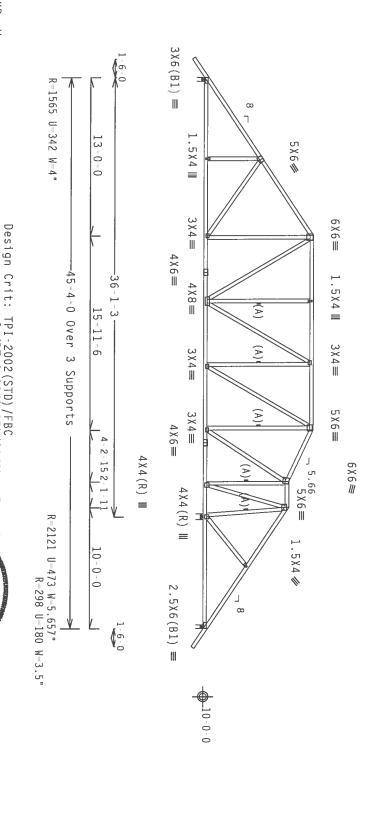
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, and installation of trusses. See "WARNING" note below. shipping

**@** 

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART.\_ENC. 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. Iw=1.00 GCpi(+/-)=0.55

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.



\*\*MARNING\*\* IRUSES REQUIRE EXTRINE CARE IN FARRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING, METER TO SEST. (BUILDING COMPORTH SAFETY INFORMATION), PUBLISHED BY TP1 (IRMIS PLATE INSTITUTE, 218 HORTH LEE SIRET, SUITE 312. ALEXANDRIA, NA, 223-231) AIDM HICLA (MODD IRUSES COUNCEL OF AMERICA. 6300 FINIERPRISE LANE, HADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HIESE FUNCTIONS. UNITES OTHERWISE INDICACIDE DIS CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGHD CELLING. TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

PLT TYP.

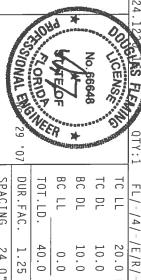
Wave

\*\*IMPORTANT\*\*TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEPLATION FROM HIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH FIT: ON TARRICATHING, HANDLING, SHIPPING, INSTALLING A BRACHIG OF TRUSSES.

OF SIGN COMMONS WITH APPLICABLE PROVISIONS OF HOS (INTIDUAL DESIGN SPEC, BY ATAPA) AND TELL OF THE STORM OF THE SECOND SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND SECOND OF THE SECOND SECOND OF THE SECOND OF THE SECOND SECOND OF THE SECOND OF THE SECOND SECOND SECOND OF THE SECOND SECOND OF THE SECOND SECOND SECOND SECOND

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Amborization # 0.778

ALPINE



		07		-465	IJI JAIJA II		
-	SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
	24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
	JRFF- 1TCU487 Z01	FROM AH	SEQN- 23267	HC-ENG DAL/DF	DRW HCUSR487 07333027	DATE 11/29/07	REF R487 2757

Scale = .125"/Ft.

```
Bot chord
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Left
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SPECIAL LOADS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50\,.
Haines City, FL 33844
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chord 2x4 SP #2 Dense
chord 2x10 SP SS :B1 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W2, W5, W6, W9 2x4 SP
                                                                                                                                                                                TYP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           end vertical not exposed to wind pressure.
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20 PLF
20 PLF
                                                                              ALPINE
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                                                                                                                                                                            18 Gauge HS, Wave
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . Load at 8.06
. Load at 9.40,
. Load at 22.10,
. Load at 24.77
. Load at 26.10
. Load at 27.60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Load at 29.60,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.00
0.24
8.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BC RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FALURE TO BHILD THE TRUSS IN COMPORNANCE WITH TPI; OR FARRECKITHG, HANDLING, SHEPPING, HISTALLING A BRACHING OF TRUSSES.

DESIGN CONFIDENCY HITH APPLICABLE PROVISIONS OF THIS (MATIONAL DESIGN SPEC, BY ALAPA, AND TPI. ITH BCC COMMICCION PLAITS ARE HADE OF 2071/B1/GGA (N.H./SEX) SATA ASS] GAALY. STIELL, APPLY PLAIES TO EACH FACE OF TRUSS AND. UNILESS OFMERNISE LOCATIO ON THIS DESIGN, POSITION PER BRANHINGS IGAN Z
            DRAHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SC
DESIGN SHOWN THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING
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                                        ANY INSPECTION OF PLATES FOLLOWED BY (1)
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                             SOLELY FOR THE TRUSS COMPONENT
                      IS THE RESPONSIBILITY OF THE
                                                                                                                                                                                                                                                                                                                                                                                                                                   3 X 4 ≡
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.00" o.c. (Each row)
Webs : 1 Row @ 4" o.c.
                                                                                                                                                                                                                                                                                                                                                                     SS0312(**) III
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            In lieu of structural panels use purlins to brace all flat TC 24" 0\text{C}.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           110 mph wind, 15.94 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TODL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Max JT VERT DEFL: LL: 0.11" DL: 0.17" recommended camber
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       plate plot details
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (**) 1 plate(s) require special positioning. Refer to scaled
blate plot details for special positioning requirements.
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                                                                                                                                                                                                                                                                                                                                                       R=8077 U=913 W=3.5"
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                             DUR.FAC.
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                                                                               PSF
                                                      PSF
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                                                                                                                                                                                                                            R = 9306
                                                                                                                                                    REF
                                                    SEQN-
                                                                                                                             DATE
                               FROM
                                                                                                     DRW HCUSR487 07333035
                                                                              HC-ENG
                                                                                                                                                                                                                                                                                             4-2-0
                                                                                                                                                                            Scale
                                                                                                                                                                                                                                                                                                                                  4X5 (A1)
                                                                                                                                                    R487--
                                                                                                                                                                                                                           U=1052 W=4"
                                                                                                                                                                           =.125"/Ft
                                                                              TCE/DF
                                                      23234
                                                                                                                             11/29/07
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```

SPACING

24.0"

JRFF-

1TC(1487

Z01

OC. Bot End PLT BC attic room floor loading: LL = 40.00 psf; 2-0-0 to 17-11-14. Max JT VERT DEFL: LL: 0.16" DL: 0.21" recommended camber The TC of this truss shall be braced with attached in lieu of structural sheathing. 7 Haines City, FL 33844
Gicate City inzatio lieu of structural panels use purlins to brace all flat TC @ chord 2x4 SP #2 Dense chord 2x10 SP SS :B2 2x4 SP #2 Dense: Webs 2x4 SP #3 :W1, W2, W12 2x4 SP #2 Dense: verticals not exposed to wind pressure 165 TYP. ALPINE Wave 180 ) PLATES TO EACH FACE OF TRUSS AND "UNITESS OTREBISE TOCATE ANY TESPECTION OF PLATES FOLLOWED BY (1) SMALL BE PER ANNEL BESTON SINGH. FILE SACEPTANCE OF PROFESSIONAL ENGINEERING REDISTRING SINGH. THE SULTABLITY AND USE OF THIS COMPONENT FUNDANTIFIC FOR \*\*IMPORTANT\*\*\*URBRISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW RCG. INC. SHALL NOT 
RE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORANCE WITH 
1P1: OR FARRICATING, MANIFLE, SHIPPING, INSTALLING & BRACHE OF TRUSSES.

DESIGN CONTROLS ARE MODE OF EXPLAINED, ANY SALVES OF ANY FAILURE TO RESEC, BY AFRAN, AND FET. THE BCG 
CONTROLS ARE MODE OF EXPLAINED, AND FET. ANY ANY OF THE STATE AND FAIL APPLICABLE PROVISIONS OF IDS (MAILONAL DESIGN EXPEC, BY AFRAN) AND FET. THE BCG 
CONTROLS ARE MODE OF EXPLAINED AND THE STATE ANY ANY OF THE STATE ANY OF THE STATE AND THE STATE ANY OF \*\*WARNING\*\* IRUSSES BROUIRE EXIMENE CARE IN FABRICATION, IMABELING, SHIPPING, INSTALLING AND BRACING, RETER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TET (TRUSS PLATE INSTITUTE, 218 108.71 ALEXANDRAL, VA. 223.14) AND MICA (MODO) TRUSS COUNCIL OF AMERICA, 6300 CHITERPISE (ANI, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORMHIG THESE FUNCTIONS. UNLESS OTHERWISE HOLDSLAFED OF ORDER SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SMALL HAVE THE APPLICABLE PROVISIONS OF DDS (MAITONAL DESIGN SEEC, BY AFRAN, AND FEI. IN BEG.

ARE HADE OF ZOT/18/16GA, ULH/SS/R) ASIM A653 GRADE 80/60 (M. K/M.SS) GALV. SIEEL. APPLY

CE OF TRUSS AND. HINLESS OTHERNISE LOCALED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.

PLATES FOLLOWED BY (I) SHALL BE PER ANKEX AS OF TRIL 2002 SEC.3.

ACCEPTANCE OF PROFISSIONAL ENGINEERING RESPONSIBILITY SOFTLY FOR THE TRUSS COMPONINES

ACCEPTANCE OF PROFISSIONAL ENGINEERING RESPONSIBILITY SOFTLY FOR THE TRUSS COMPONINES

ACCEPTANCE OF PROFISSIONAL ENGINEERING RESPONSIBILITY SOFTLY FOR THE TRUSS COMPONINES

ACCEPTANCE OF TROFISSIONAL ENGINEERING RESPONSIBILITY SOFTLY FOR THE TRUSS COMPONINES

ACCEPTANCE OF TRUSS CONTINUES TO THE SECONDORICAL FOR ANY BUILDING IS THE RESPONSIBILITY OF THE Design Crit: 10 6-0 10.00 psf; from spans at 24" OC 3X9(R) 4 X 4 Ⅲ Ξ 2-0-0 T (=1961 U=180 TPI-2002 (STD) /FBC 8X12(R) III Cq/RT=1.00(1.25)/10(0) = -10-4 0-0 4 X 5 ≡ 3 X 4 ≡ (A) W=3.999-7-9 B2′ 4X10≡ 14 19-11-14 Over 2 Supports 1.5X4 III 110 mph wind, 20.16 ft mean hgt, ASCE 7-02, CLOSED within 4.50 ft from roof edge, CAT II, EXP B, wind wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,.$ Collar-tie braced with continuous lateral bracing at 24" rigid ceiling. Wind reactions based on MWFRS pressures. (A) Continuous lateral bracing equally spaced on member. 5 σ ò 9 -12 15-11-14 16-1-10 17 - 11 - 14 SONAL BAGINE CENS 4 X 8 3X4 = 4X5 =07 1-0-5 5 X 5 🚚 0 8 BC DL DUR.FAC. TC DL TC LL SPACING TOT.LD. FL/-/4/- $\Xi$ 8X12(R) III 4 X 5 ≡ 3 X 4 == 11-10-47 - R=0961 U=180 /E/R/ 40.0 20.0 10.0 PSF 10.0 PSF 24.0" 2 0.0 PSF M12 4 X 4 III bldg, not located TC DL=5.0 psf, PSF PSF 3X9(R) REF FROM SEQN-DATE HC-ENG DRW HCUSR487 07332041 JRFF 1TCU487 Z01 Scale = .25"/Ft. 9 R487--DF / DF 24660 11/28/07 9 -9-13 2759

Top Bot chord 2x4 SP #2 Dense chord 2x10 SP SS :B2 2x4 SP #2 Webs 2x4 SP #3 . W2, W10, W11 2x4 SP #2 Dense: #2 Dense:

:W1,

End verticals not exposed to wind pressure

(A) Continuous lateral bracing equally spaced on member

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

Truss must be installed as shown with top chord up.

110 mph wind, 20.50 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 MWFRS pressures.

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

Collar-tie braced with continuous lateral bracing rigid ceiling. at 24" 0C. or

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

The TC of this truss shall be braced with attached spans at 24, 0C in lieu of structural sheathing.  $4\times5$ 10 6 0 3X9(R) III 3X4 = $\widehat{\mathbb{A}}$  $\infty$ Ó 3 X 4 ≡ 12 4 X 5 壁 15-11-14 3 X 4 ≡ 目 1.5X4 III 4 X 1 0 = 3 X 4 ≡ 8X12(R) Ⅲ P 8 4 X 5 ≡ 3 X 9 (R)  $\widehat{\mathbb{A}}$ 10

Ö

A PROPERLY ATTACHED RIGID CEILING. Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) 7.24.12 GOUGHAS FLE 0TY:6 BC DL TC DL TC LL FL/-/4/-/E/R/

ŢγP.

Wave

4 X 4 III

8X12(R) III

R=21920 U=180

) ₩=3.5\*

16-1-10

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R=1920 U=180 W=3.5"

4 X 4 Ⅲ

0-0-

·19-11-14 Over 2

Supports

17-11-14

\*\*IMPORTANT\*\*TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY TAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH TPI: ON FEARLISH THE, HANDLING, SHIPPING, HISTALLING A BRACTHE OF TRUSSES.

DESIGN CONFORTANT HIS PROTECTION FROM THE PROVISIONS OF HOS (HATIONAL DESIGN SPEC, BY ALRAY) AND TPI. THE BCG CONNECTION FLATES ARE HAVE OF TOTAL PROVISIONS OF HOS (HATIONAL DESIGN SPEC, BY ALRAY) AND TPI. APPLY PLAITS TO THE ARE THE OF TOTAL PROVISIONS OF HOS (HATIONAL DESIGN SPEC, BY ALRAY) AND TPI. APPLY PLAITS TO THE AREA OF TOTAL PROVISIONS OF HOS (HATIONAL DESIGN SPEC, BY ALRAY) AND TPI. THE PROVISIONS OF HOS (HATIONAL DESIGN SPEC, BY ALRAY) AND TPI. THE AREA OF THE AREA OF

BUILDING DESIGNER PER ANSI/IPI 1 SEC DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILD: ANY INSPECTION OF PLATES FOLLOWED BY ISJOHS OF HDS (MAITOMAL DESIGN SPEC, BY AFAFA) AND FPI. IH MEG GGGA (W.HYSSY), ASHA AGSI GRADE AD/GR (W.K./H).SS) GALV. STELL APPLY MIESS DHERWISE LOCATED ON HIS DESIGN, POSITION FER DRAWINGS 16GA Z. (1) SHALL BE FER ANNEX A3 OF TPII 2002 SEC. 3. A SEAL ON THIS FESSIONAL TRADERERING RESPONSIBILITY SOLELY FOR HIE TRUSS COMPONENT DESIGNAL TRADERERING RESPONSIBILITY SOLELY FOR HIE TRUSS COMPONENT USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

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Haines City, FL 33844

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rizatio: " ^ ~

ALPINE

OSIONAL BAGNIER 107 DUR.FAC. SPACING 24.0" 1.25

BC LL

0.0 PSF

HC-ENG DF/DF

DRW HCUSR487 07332033

10.0 PSF 10.0 PSF 20.0 PSF

> DATE REF

11/28/07 2760

Scale =.25"/Ft. R487--

TOT.LD.

40.0

PSF

24794

JRFF-FROM SEQN-

1TCU487

201

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

(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" 0C.

(8) (2) #3 or better scab braces. Same size & 80% length of web member. Attach one to each face w/10d Box or Gun (0.126"x3",min.)nails @ 6" 0C.

Trusses to be spaced at 16.0" OC maximum

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

Wind reactions based on MWFRS pressures

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. psf, iw=1.00 GCpi(+/-)=0.18

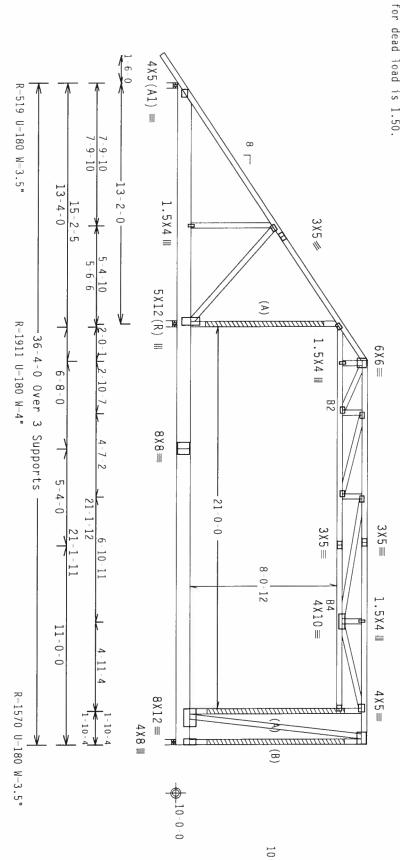
Right end vertical not exposed to wind pressure. In lieu of structural panels use purlins to brace all flat

TC

**@** 

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 6 X 6 ≡ 3X5≡ 1.5X4 III 4 X 5 6 X 8 ≡



-6-0

Note: All Plates Are 3X4 Except As Shown. Design Crit:

PLT TYP.

Wave

\*\*WARNING\*\* IRUSEES RIQUIRE EXIREM. EARE IN FABRICATION, NANDLING, SUPPPING, INSTALLING AND BRACING, REFER TO ESE! (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 UNGTH LEE SIREEL, SUIC IZ A MEXANDRIA, NA, 22314) AND HICKA (MODD IRUSES COUNCIL OF AMERICA, 6300 CHIERPRISE LAWE, MADISON, NI 53719) FOR SAFETY PRACTIFE'S PRIOR TO PERFORMING THESE TUNCTIONS. UNLESS OFHERMISE HINDECATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGHD CELLING. TPI-2002 (STD) /FBC Cq/RT=1.00 (1.25) /10 (0)

\*\* IMPORTANT \*\* quents a copy of this design to the installation contractor. It were the c. shall not be exposed by the first members of the contractor. The contractor is the contractor of the contract of the contractor of t PALTES TO FACH FACE OF RINSS AND, UNEESS OHTERMISE LOCATED ON HITS DESIGN POSTILI ANY INSPECTION OF PLATES FOR CHUED BY (1) SHALL BE PER ANNEX AS OF FPIT-2002 SEC.S. DRAWHIG HOUGHTS ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLECY DESIGN SHOWN. THE SULFABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE SPEC. BY AF&PA) AND TPI. ITH BCG 40/60 (H. K/H.SS) GALV. STEEL. APPLY S DESIGN, POSITION PER DRAWINGS 160A 2

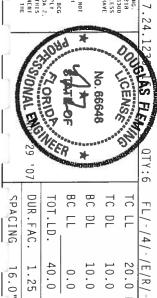
Haines City, FL 33844

DESIGN SHOWN THE SUITABILITY AND BUILDING DESIGNER PER ANSI/IPI 1 SEC

rizatio " ^ ¬¬¬

ALPINE

DZ SEC.3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT HE IS THE RESPONSIBILITY OF THE



107						
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
16.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JRFF- 1TCU487 Z01	FROM AH	SEQN- 24806	HC-ENG DF/DF	DRW HCUSR487 07332030	DATE 11/28/07	REF R487 2761

Scale =.1875"/Ft.

Top Bot PLT TYP. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. Collar-tie braced with continuous lateral bracing at 24" OC. rigid ceiling. In lieu of structural panels use purlins to brace all flat TC @ 0C. (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. (A)  $1\times 4$  #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" 0C. Haines City, FL 3844
F' Carificate of Armin rization words chord 2x4 SP #2 Dense :T4 2x6 SP chord 2x10 SP SS :B2, B4 2x4 SP # Webs 2x4 SP #3 165 ALPINE Wave T84 ) 1-6-0 4X5(A1)  $\overline{z}$ =696 U=180 W=4" Ш \*\*IMPORTANT\*\*\*URRIESH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG. THE, SHALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM HIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMFORMANCE WITH THE OR FARRICHING, UNDILING, SHIPPING, INSTALLING A BRACTING OF TRUSSES.

DESIGN CONTROL SHIP APPLICABLE PROVISIONS OF HOS (HATIONAL DESIGN SPEC, BY AFAPA) AND THE. THE BCG CONNECTOR PLATES ARE HADE OF 20/18/16GA (H.H/SS/K) ASTH A653 GRADE 40/60 (H.K/H.SS) GAY. STEEL, APPLY DESIGN SHOWN. THE SUTTABILITY AND BUILDING DESIGNER PER ANSI/IPI 1 SEC PHAITS 10 TAKH FAKE OF IRISS AND, UNITSS UNDERHIEL LOCATED ON HIS DESIGN, POSITIANY INSTECTION OF PLAIES FOLLOWED BY (1) SHALL BE PER MINEX AS OF IPTI ZODZ SEC. 3. DRAWING HUDICANES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLLLY DESIGN SHOWN. THE SHITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE \*\*WARNING.\*\* IRUSSYS REBUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RELIEX DE BEST. (BUILDING COMPORDIN SALETY INFORMATION), PHREISCIDE BY FPI (FRUSS PLAIE INSTITUTE, 218 HORTH LEE STREET, SUITE 317, ALEXANDRAL, VA., 22314) AND MICA (MODOD TRUSS COUNCIL O "ARESICA", 6300 EHTERPRISE LANT, HADISON, MI 53719) FOR SATETY PRACTICES PRIOR TO PERFORMENG INESE FUNCTIONS. UNITESS OFHER MISSEL AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE œ 9. 9 10 10 P #2: #2 Dense: 13-2-0 13-4-0 1.5X4 III .5-2-5 3X4 // 3×5/ Design Crit: 9 10 6 5X12(R) 3X4// TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) R=1650 U=180 W=4" 7-0 9  $\widehat{\mathbb{E}}$ 36-4-0 Over 3 1.5X4 W = 5 X 8 ≡ 6-8-0 4 - 1 - 982 r AF&PA) AND TPI. ITH BCG d. K/H.SS) GALV. STEEL. APPLY POSITION PER DRAWINGS 160A Z. 1.5X4 III HE RESPONSIBILITY OF THE 4 X 8 ≡ 8 X 8 Supports 3-4-0 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED within 4.50 ft from roof edge, CAT II, EXP B, wind wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18 Right end vertical not exposed to wind pressure. (\*\*) 1 plate(s) require special positioning. Refer plot details for special positioning requirements. BC attic room floor loading: LL = 40.00 psf; 13-4-0 to 34-7-8. Wind reactions based on MWFRS pressures Trusses to be spaced ģ 15-7-6 3 X 5 ≡ 12 21 - 0 - 0 $3 \times 4 =$ GOOGLAS FLE 3 X 4 ≡ No. 66648 В4 8 ò 8 12 at 16.0" OC maximum 13-0 1.5X4 III 5 X 8 ≡ 0  $1.5 \times 4 =$ 107 œ DUR.FAC. BC LL BC DL TC DL TC LL 8X12(R) ₩ SPACING T0T.LD. 1.5X4 III φ FL/-/4/-/E/R/-R=1676 U=180 1-10-2 -10-4 X 4 III DL 16.0" 40.0 10.0 20.0 (B) 1.25 10.0 PSF 5X8(\*\*) III 0.0 |} 10.00 psf; from bldg, not located TC DL=5.0 psf, to PSF PSF PSF PSF 10-0-0 scaled DATE JRFF-SEQN-REF FROM HC-ENG DF/DF DRW HCUSR487 07332042 Scale =.1875"/Ft. plate 6 R487--1TCU487 24713 11/28/07 10 2762 9 ò 201

Top Bot In 24" Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. BC attic room floor loading: LL = 13-4-0 to 34-4-1. Collar tie braced with continuous lateral bracing at 24" OC. or rigid ceiling. (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" 0C. (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" 0C. PLT TYP. Haines City, FL 33844 \_lieu of structural panels use purlins to brace all flat TC chord 2x4 SP #2 Dense chord 2x10 SP SS :B2, B4 2x4 SP Webs 2x4 SP #3 ALPINE Wave 1-6-0 rizatio- " ^ 779 4X5(A1) ≡ R=499 U=180 W=4" \*\* IMPORTANT\*\* "BURNISH A CORY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR THE REG. HIC. SHALL MUT BE RESPONSIBLE FOR ANY DEVIATION FROM HIS DESIGN. ANY FALLURE TO BUILD THE RUSS IN COMPORANCE HITH PPI: OR FABRICATING, MANDEIRG, SHIPPING, INSTALLING & BRACING OF TRUSSES. AT ATAPA, AND IPI. DESIGN COMPORES WITH APPITABLE PROVISIONS OF MIS (MATIONAL DESIGN ESPEC, BY ATAPA, AND IPI. CONNECTOR PLATES ARE MODE OF 20/18/166A (M-1/75K), ASTH 4635 GRADE 40/50 (M, X/H, XS) GAVY, SIEEL, APPLY DRAWING INDICATES ACC DESIGN SHOWN. THE S BUILDING DESIGNER PER RESIGN CONTORNS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFAPA) AND IPI. ITH REG CONNECTION PLATES ARE MADE OF 20/10/16GA (M.1/1/SS), ASTH AGS GRADE A0/60 (M. K/M.SS) GALV. SIELL APPLY PLATES TO EACH TACE OF TRUSS AND, UNLESS OTHERNISE LOCATED ON THIS DESIGN. POSITION PER OBAMINGS 16GA Z. ANY HISPECTION OF PLATES FOLLOGED BY (1) SHALL BE PLR AMMER A3 OF TPI1 2002 STC.3. A STAL ON HISPECTION OF PLATES FOLLOGED BY (1) SHALL BE PLR AMMER A3 OF TPI1 2002 STC.3. DRAWING THE TRUSS COMPONENT DESIGN SHOWN. THE SHITLABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE \*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, IMMULIES, SHIPPING, INSTALLING AND BRACING.
REFER TO BEST: (BUILDING COMPONENT SAFETY DEPORATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218
HORTH IEE STRET, SUITE 137, ALEXANDRIN, VA. 2231) AND HICA (MODD TRUSS COUNCIL OF AMERICA. 6300
EUTERPRISE LANT, HADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PREFORMING THISE FUNCTIONS. UNILESS
OTHERMISE INDICATED TOR CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PAHELS AND BOTTOM CHORD SMALL HAVE
A PROPERLY ATTACHED TOR CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PAHELS AND BOTTOM CHORD SMALL HAVE 8 40.00 psf; #2 Dense: ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPI  $\overline{\omega}$ 13-4-0 1.5X4 III -2-0 3×4/ .6-2-2 3×5/ Design Crit: 10.00 5 X 1 2 (R) psf; from 3×4/m TPI-2002(STD)/FBC Cq/RT=1.00(1.25), R=1942 U=180 W=4" -36-4-0 Over 3 Supports  $\widehat{\mathbb{A}}$ = 1.5X4 €X6≡ 6-8-0 8 X 8 /10(0)3-4-0 1.5X4 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, Iw=1.00 GCpi(+/-)=0.18 4 X 8≡ Right end vertical not exposed to wind pressure. Wind reactions based on MWFRS pressures (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. 3X5≡ = 21 - 0 - 120-1-14 3×5≡ CENSE B No. 66648 8 84 Ó 3 X 4 ≡ 12 3×5≡ [3-0-0]07 SPACING BC LL BC DL DUR.FAC. TC DL TOT.LD. (B) FL/-/4/-/E/R/ 3X5**≡** R=1559 U=180 8 X 1 2 == 7 X 6 (R) 4×4 III 40.0 0 = 10.0 PSF 20.0 PSF 16.0" 10.0 PSF 1.25 0.0 PSF PSF 10-0-0 JREF -DATE REF FROM SEQN-DRW HCUSR487 07333034 HC-ENG DAL/DF Scale =.1875"/Ft 11 R487---14 1TCU487 23215 11/29/07 2763 Z01

(7 165 |

188)

Top chord 2x4 SP # Bot chord 2x4 SP # Webs 2x4 SP # Filler 2x4 SP # :Lt Slider 2x4 SP # #2 Dense #2 Dense #2 Dense

#3: BLOCK LENGTH = 1.500

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

See DWGS TCFILLER0207 and BCFILLER0207 for filler details

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

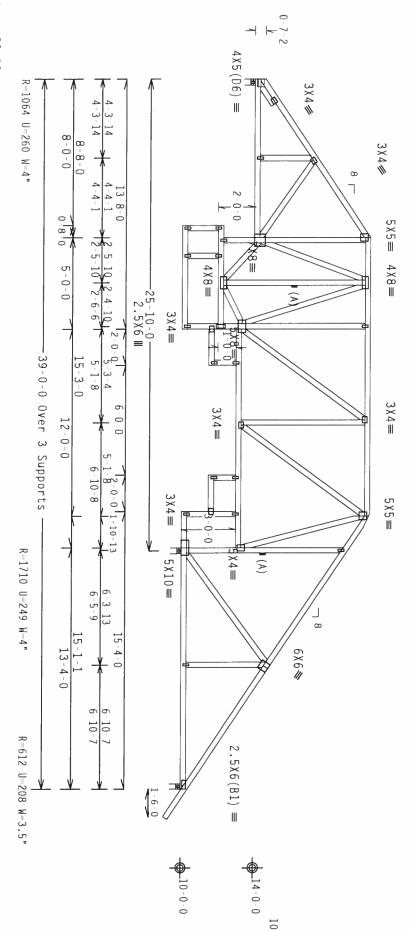
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART.\_ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.55

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 @ OC. 24

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

\*\*WARNING\*\* TRUSSIS REDUTRE EXTREME CARE IN FARRICATION, HANDELING, SHIPPING, INSTALLING AND BRACING.

RETER TO REST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FPI (TRUSS PLATE INSTITUTE, 218

MORIN LEE SIRCIT., SUITE 317. ALEXANDRA, V.A., 22314) AND MICA (MODO) TRUSS COUNCIL OT AMERICA, 6300

CHIERPRISE LANC, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNICESS

OTHERMISE HADISCALED FOR CHARD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

A PROPERLY ATTACHED REGIOD CELLING. Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

\*\*IMPORTANT\*\*CHRISH A COPY OF THIS DESIGN TO THE THISTALLATION CONTRACTOR. THE BCG, INC. SHALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BHILD THE TRUSS IN COMPORMANCE WITH IPT: OR FARBICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 100S (MAITONAL DESIGNS SPEC & BY AFAPA) AND TPT.

THE BCG
CONNECTOR PLATES ARE HADE OF 20/18/16GA (H.H/SS/K) ASTH A653 GRADE 40/60 (H.K/H.SS) GALV. SITEL, APPLY

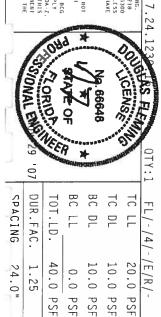
PLATES TO EACH FACE OF TRUSS AND. UNLESS OHERWISE LOCATED ON THIS DESIGN. POSITION PER DMANING SIGN. 2 ANY HISPECTION OF PLATES TOLLOWED BY (1) SMALL BE PER AUMER AS OF TRUE 2002 SEC. 3. A SEAL ON THIS DRAWLING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SULFABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNEER FER AUSL/FP1 1 SEC. 2. SIGH SPEC, BY AKBA), AND TPI. ITM BGG
RANDE 40/60 (W. K/H.SS) GALY. SIEEL. APPLY
ITHS DESIGN. POSITION PER DRAWHMS 160A-Z.
OF TPIJ 2002 SEC.3. A SEAL ON THIS

3

Haines City, FL 33844

"Ticate (" rizatio " 78

ALPINE



PSF

DRW HCUSR487 07332020

PSF

HC-ENG

DF / DF 24606

JRFF- 1TC(1487

201

FROM SEQN- PSF

REF

R487--

2764

Scale =.1875"/Ft.

DATE

11/28/07

PLT 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. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. Collar-tie braced with continuous lateral bracing at 24" OC Trusses to be spaced at 72.0" SPECIAL LOADS Haines City, FL 33844 chord 2x4 SP #2 Dense: Webs 2x4 SP #3 165 TYP. From (LUMBER ALPINE 2x6 2x6 Wave T21 ) 360 192 192 192 264 192 192 192 Conc. 14 Conc. SP #2 :T2, T3 2x8 SP SS: SP #1 Dense :B2 2x8 SP SS: DUR.FAC. nzatio- " o ang PLF Load Load Load 25 10. 8 <u>a</u> \*\*IMPDRIANT\*\*\*URBRISH A COPY OF THIS BESIGN TO THE INSTALLATION CONTRACTOR. ITW RCG. THE SHALL HOT BE RESPONSIBLE TOOR ANY DEVIATION FROM THIS BESIGN; ANY FALLURE TO BUILD THE RUSS IN COMPORANGE WITH THE OR FARMINATING. MANUFACTOR SHIPPING. THAN ALLING A BRACKER OF TRUSSES.
BESIGN CONTROLS WITH APPLICABLE PROYSTONS OF HOS (MAJIONAL DESIGN ESPEC, BY ATAPA) AND IPL. THE BEG CONTROLS AND FACE OF TRUSSES. BUILDING DESIGN SHOWN T ANY INSPECTION OF PLATES F PLATES TO EACH FACE OF TRUSS AND A PROPERLY ATTACHED RIGID CEILING. 5.04 to 0 to to 0 01 to 0.1 0.1 PLATE OC maximum OF SIGNER PER ANSI/TPI 1 SEC 360 PLI 60 PLI 14 PLI 20.04 18.96 18.50 192 192 264 192 192 192 192 192 192 DUR.FAC ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY USS AND. HALESS OTHERWISE LOCATED ON THIS DESIGN. POSITE FOLLOWED BY (1) SHALL BE PTR ANNEX A3 OF 1P11 2002 SEC.3 at at at a t at a t Design Crit: .=1.25)
t 4.34
t 6.50
10.53
12.50
14.47 0.00 6.50 18.50 25.00 26.75 18.50 20.82 26.75 14.09 SINI JO 3SD 1-6-0 3X4 **Ⅲ** 5X8/ 12-6-10-6-6 R-8127 U=868 W-4" TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 5X6 = 4X10(R)4×5/ €X6= 9X6 3-1-4 OF SEC. 3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT OF THE 3X10 8  $\equiv$ 25 = 4×4= 0 82 INGS 160A Z. ò End verticals exposed to wind pressure. Deflectic criteria for brittle and flexible wall coverings. 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 Top Chord: 1 Row @11.00" o.c.

Bot Chord: 1 Row @ 4.50" o.c.

Webs : 1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting. due to dead load. Calculated horizontal deflection is 0.16" Wind In lieu of structural panels use purlins to Nailing Schedule: 8 Over ò COMPLETE 3-11-4 12-3-8 reactions based on MWFRS <sup>B3</sup> 3X4 Ⅲ 12 4 X 8 (R) -0-0 2 Supports COUNTY FLE ORIOR IN 4 X 4 == CENS No. 66648 3X10 W 5-6-6 (12d\_Common\_(0.148"x3.25",\_min.)\_nails) RUSSES 4X10(R) III 12 - 6 - 0€X6= 3 - 1 - 46×6/ 107 pressures REQUIRED 5 X 6 ≡ ഗ 4×5// BC DL DUR.FAC. TC DL TC LL 0-0 SPACING TOT.LD. FL/-/4/-3-3-0 R-8129 U-869 W-4" Deflection meets L/240 3X4 III due to 5 X 8 // brace SEE ABOVE 1-6-0 /E/R/-1.25 40.0 20.0 10.0 PSF 10.0 PSF 0.0 live C PSF PSF PSF e load 24" 8-0-0 REF JREF-SEQN-DATE and FROM HC-ENG DRW HCUSR487 07332015 00 Scale 0.22" R487--1TCU487 DF / DF 24543 11/28/07 1875"/Ft. 10 2765 8-7 201

Bot Bot chord 2x4 SP #2 Dense :T2, T3 chord 2x6 SP #1 Dense :B2 2x8 2x4 SP #2 Dense: Webs 2x4 SP #3 SP S 8 SP SS

End verticals exposed to wind pressure. Deflection meets  $\ensuremath{\mathsf{L}}/240$  criteria for brittle and flexible wall coverings.

Collar-tie braced with continuous lateral bracing at 24  $\!\!\!^{\rm *}$  rigid ceiling.

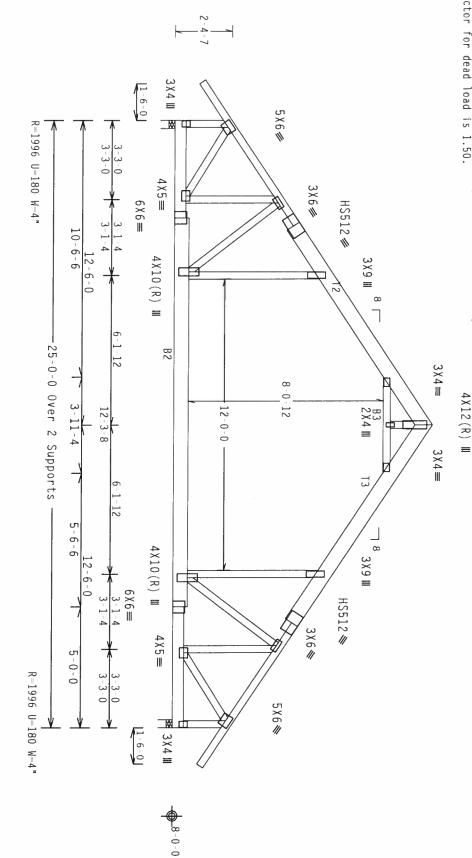
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,\mathrm{.}$ 

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not loca 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 located

Wind reactions based on MWFRS pressures.

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

BC attic room floor loading: 6-6-0 to 18-6-0.  $\Box$ H 40.00 psf; DL = 10.00 psf; from



10 9-8-7



TYP.

20 Gauge HS, Wave

Design Crit:

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

\*\*MARNING\*\* IRUSSIS REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BEST GROUNDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPJ (TRUSS PLATE HISTITUE, 219 HORRILLE SIRREIT, SUITE 1127, ALEXANDRIA, NA, 22214) AND MICHA (MODO TRUSS COUNCIL OF AMERICA, 6300 CHIERREISE LAME, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERRISE LAME, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERRISE LIDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHD CELLING.

\*\*IMPORTANT\*\*TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE GCG, THG. SHALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FALIURE TO BUILD THE RRUSS IN CONFORMANCE WITH THIS OF TABELATING, INMIDIAL, SHEPTING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF JUS. (MAITONAL DESIGN SPEC, BY AFRA) AND THI.

CONNECTOR PLATES ARE HADE OF ZO/TB/JGGA (M. H/SS/K) ASHA A653 GRADE A0/56 (M. K/H,SS) GALV. STEEL, APPLY

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (MATIONAL DESIGN SPEC, 89 WARPA) AND PT. I'H RCG CONNECTOR PLAIES ARE MADE OF ZOUADEGAM, WINISSEX) ASTH MASS DEADE 40/50 (H. Z/H.SS) GALV. SIETL, APPLY PLAIES TO EACH FACE OF TRUSS AND. DHIESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWHNGS 160A Z. ANY INSPECTION OF PLAIES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF PPI1-2002 SEC. J. A SLAL ON THIS DRAWHNG THE FOR THE SHORT DRAWING INDICATES ACCEPTANCE OF PROF DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI I SEC.

1-1

Haines City, FL 33844

"Tigate of rization rizat

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

	107		CHESCHIN	PORTER!	MEN	
SPACING	'07 DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	וכ רר
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JRFF 1TCU487 Z01	FROM AH	SEQN- 24527	HC-ENG DF/DF	DRW HCUSR487 07332014	DATE 11/28/07	REF R487 2766

Scale =.25"/Ft.

Bot p chord 2x4 SP t chord 2x4 SP Webs 2x4 SP 165 T1 ) 372 Dense Dense INIIS DWD TRETARED TROM COMPUTER IMPUT (LUADS & DIMENSIONS) SUBMITTED DI TROSS MIR.

(\*\*) 1 plate(s) require special positioning. Refer plot details for special positioning requirements. 0.1

scaled plate

Wind reactions based on MWFRS pressures

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.

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

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

See DWGS All030EE0207 & GBLLETIN0207 for more requirements

110 mph wind, 18.09 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

MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

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. Note: All Plates  $3 \times 4 \equiv$ 1-6-0 Are 1.5X4 Except As Shown. 0 R-198 U-180 W-4" - 145 R=120 PLF U=13 PLF 3×4≡ 3×4 / / 6 - 10æ - 4 - O W=18-0-0 3X4 / -6-1  $3X4 \equiv$ 25 5 φ ف 0 0ver  $4 \times 4 \equiv$ 4 X 8 ≡ W Supports  $\Xi$ 0 9-10-8 3X4*₩* 2-0 3 X 4 ∕/ 2-5-15 4X10(R) ₩ =532 U=259 W=4" 4X10(R) // 1.5X4(\*\*) Ⅲ 00

15

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

F' Conficate Control Trization - 1999 ALPINE

TYP.

Wave

\*\*WARNING\*\* TRUSSES RIQUIRE TRIBERE CARE IN FARRISATION, HANDLING, SHIPPING, INSTALLING AND BRACING, RETUR TO ESCI. (BUILDING COMPORTER SAFETY INFORMATION), PHRISTREED BY IPI (TRUSS PLATE MSTITUIE, 218 HORTH LEE STREET, SHITE IZZ ALEXANDRIA, NA, 25214) AIDD HIZA (ROOD TRUSS COUNCEL DE AFRENCA, 6300 CHIEGRESS LAME, HADISON, HI 53/19) FOR SAFETY PRACTICES PRIOR TO PERFURHING HEST FUNCTIONS. UNITSS OTHERWISE HOUSEALED DE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING. Cq/RT=1.00(1.25)/10(0)

Design Crit:

TPI-2002 (STD) /FBC

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IT BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION PROMITIS DESIGN. ANY FAILURE TO BUILD THE TRUES IN COMPORANCE WITH PPI; OR FAREIGETHOE, HANDLIGE. SHIPPIDE, INSTALLING A BRACHING OF TRUESES.

DESIGN COMPORTS WITH APPLICABLE PROVISIONS OF HIDS (MATIONAL DESIGN SPEC, BY ATAFA) AND TPI. IT HE GOOD CONNICTION PLATES ARE HAND OF ZOTAL BEGA, WHISENEY, ASTH AGES GROWE MOVE OF WATAFA) AND TPI. THE SECOND OF PALES FOLLOWED BY TO THE MATERIAL PROVISION FOR BRAHINGS 160A L. APPLY PLATES TO EACH FACE OF TRUES, AND. DUBLESS OTHERWISE LOCATED ON HIS DESIGN, POSITION PER BRAHINGS 160A L. ANY UNSPECTION OF PALES FOLLOWED BY (1) SHALL BE FER ANTEX AS OF TPI] 2002 SEC. 3. AS SLA. ON THIS DESIGN SHOULD BE SECOND OF PALES FOLLOWED BY (1) SHALL BE FER ANTEX AS OF TPI] 2002 SEC. 3. AS SCAL ON THIS DESIGN SHOULD BE SECOND SHOULD BE SECOND OF THE SHOULD BE SECOND SHOULD BE SECOND SHOULD BE SHOUL

SOUGHAS FLE SOSTONAL STORY No. 66648 07 BC DL BC LL DUR.FAC. TC DL TC LL SPACING TOT.LD. FL/-/4/-/E/R/-SFF ABOVE 40 20.0 1.25 10.0 PSF 10.0 PSF 0.0 PSF . PSF PSF

JRFF-FROM SEQN-HC-ENG

1TCU487

Z01

A

DATE REF

11/28/07

2767

Scale =.25"/Ft. R487--

DRW HCUSR487 07332001

DF / DF

24572

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. PLT TYP. Wave Note: All Plates Are 3X4 Except As Shown.  $\widehat{\mathbb{A}}$ Haines City, FL 33844

F' ficate c' rizatio: " ~ "9 7-165-Continuous lateral bracing equally spaced on member ALPINE T3 1-6-0 322  $2X4(A1) \equiv$ Dense Dense **=866** CONNECTOR PIATES ARE MADE OF ZO/1891/GGA (M.1/SS/K) ASTH A653 GRADE 407/60 (M. K/M.55) GALY SIEEL, AND LY PIATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCALED ON THIS DESIGN, POSITION PER DBANHIGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (F) SHALL BE PER ANNEX A) OF FPIT-2002 SEC.3. A SEAL ON THIS DBANHIG INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE RUSS COMPONENT OF SIGN SHOWN. THE SUITABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/FPI I SEC. 2. \*\*IMPORTANT\*\*FURBLISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY TAILINE TO BUILD THE RUSS IN CONTORNANCE WITH THIS DESIGN OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (MALTONAL DESIGN SPEC, BY ALADA) AND IPL. THE BCG CONNECTION PLATES, ARE MADE OF ZOTISHIGA, CHARLES, ASTEMBER OF ZOTISHIGA, POSITION FOR DRAWINGS 160A-Z \*\*HARNING\*\* RRISSIS REDNIBE EXTREME CARE IN FARRICATION, HANDLING, SUPPING, INSTALLING AND BRACHE.
\*\*THARNING COMPONENT SACTET INFORMATION), POBLISHED BY THE (RIVES PLATE INSTITUTE, 218
HORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300
CRITERRESS LINE, HADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERMISE INDICATED THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARIELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CELLING. U=180 W=4" 6-10-7 œ 10 Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)1.5X4 III .3-4-0 18 -2-0-6-5-6-5-9 25-8-0 9 0ver €X6= 3 Supports -10-0 110 mph wind, 18.26 ft mean hgt, anywhere in roof, CAT II, EXP B, psf. Iw=1.00 GCpi(+/ )=0.18 Wind reactions based on MWFRS pressures 6 - 2 - 0(A) \* SOULICENS R=1098 U=180 11-4-01 ORIO PORTE 12-4-0 No. 66648 W=4" 2 0 107 R=480 U=180 W=4" ω ASCE 7-02, CLOSED bldg, Located wind TC DL=5.0 psf, wind BC DL=5.0 SPACING BC LL BC DL DUR.FAC. TC DL TC LL TOT.LD. FL/-/4/-/E/R/-1.5X4 III 1 2 - 6 - 0 > 1 40.0 10.0 PSF 10.0 PSF 20.0 PSF 24.0" 1.25 0.0 PSF PSF DATE REF FROM SEQN-JRFF-HC-ENG DRW HCUSR487 07332018 Scale = .25"/Ft. R487--1TCU4R7 DF / DF 24577 1-0-7 11/28/07 9 2768 Z01 Ń

Bot PLT TYP. Note: All Plates Are Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,\mathrm{cm}$ (A) ITW Building Components Group, Inc.
Haines City, FL 33844
Fi Cale Canana rization 7-165p chord 2x4 SP t t chord 2x4 SP t Webs 2x4 SP t Continuous lateral bracing equally spaced on member ALPINE Wave 2X4(A1) =T19 ) 322 =757 Dense Dense U-180 W-4" 3X4 Except As Shown. \*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, ING. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE RUSS IN COMPORMANCE WITH PI; OR FARRICATING, HANDLIGG, SHAPPIG, THIS TALLING A BRACHEG OF FRUSSES.

DESIGN CONTROWS WITH APPLICABLE PROVISIONS OF DDS (MATIONAL DESIGN SECE, BY ATRA) AND PI.

THE GOOD PI.

THE GOOD PI.

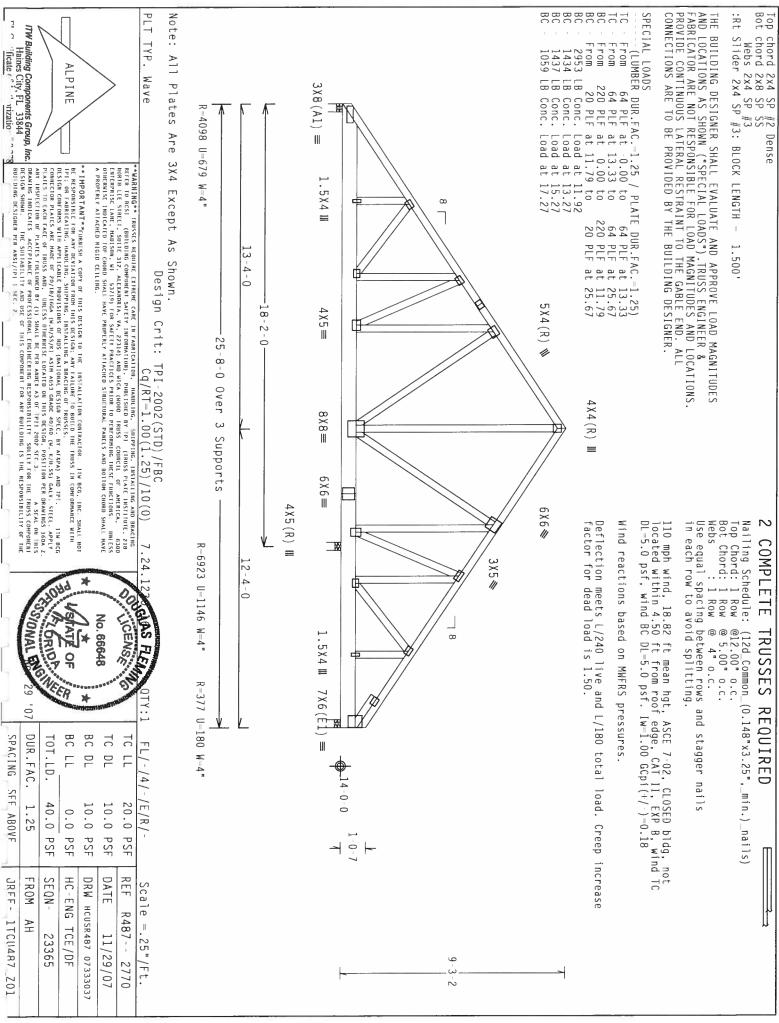
THE GOOD PI.

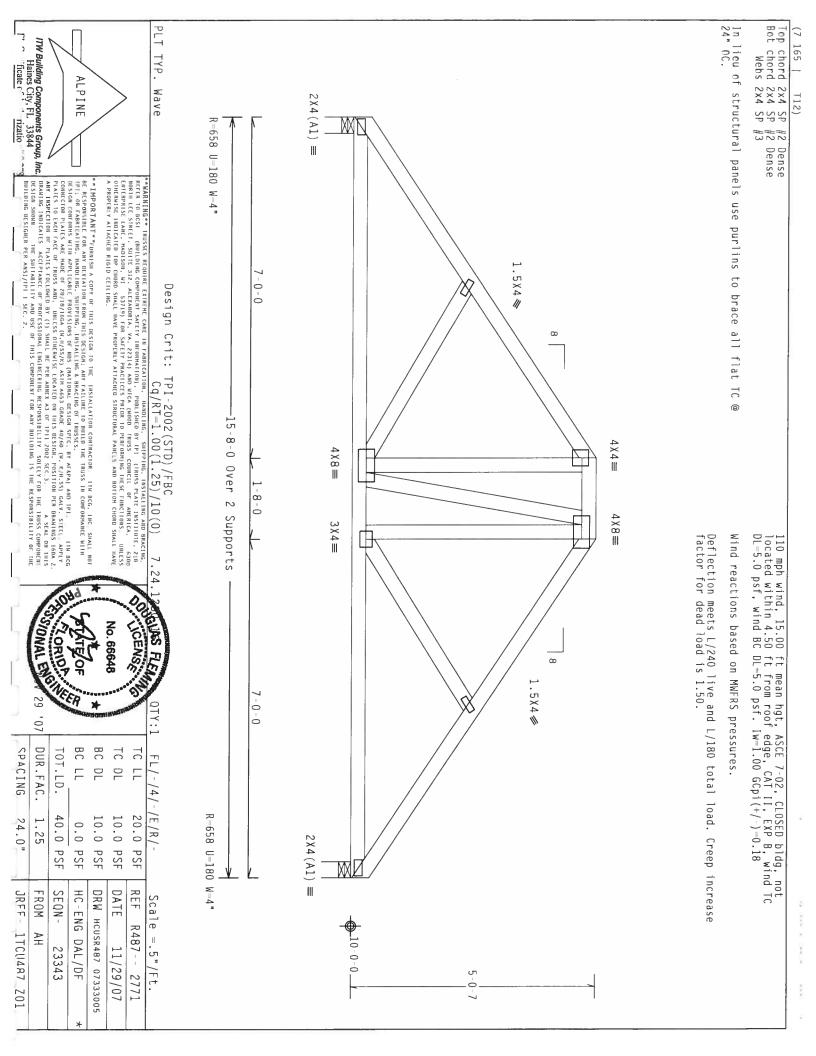
THE SOLITAGE OF TRUSS AND. DATES OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRANHINGS 160A Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OT THIS ZOLEY FOR THIS BUSINESS.

BRANHING INDICALES ACCEPTANCE OF PROFESSIONAL REGIONIES HERESONSIBILITY SOLELY FOR THIS BUSINESS.

BRANHING INDICALES ACCEPTANCE OF PROFESSIONAL REGIONIES HERESONSIBILITY SOLELY FOR THIS BUSINESSIBILITY OF THE \*\*WARNING\*\* IRUSSES REQUIRE CARE IN FARRICATION. HANDLING. SHIPPING, INSTALLING AND BRACING. RETER TO BOST. (BUILDING COMPORTH SAFETY INFORMATION), PUBLISHED BY FIP! (TRUSS PLAIE INSTITUTE, 218 MORTH LIE STREET, SUITE 127. ALEXANDRAI, VA. 223.14) AND HIGH CAC (MODD. TRUSS COUNCIL OF AMERICA. 6300 ENTERPRISE LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HIESE TRUSTIONS. UNITESS OTHERWISE INDICATED FOR CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL HAVE DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING DESIGNER PER ANSI/PFT 1 SEC. 2. 6 9 10-7 10 8 Design Crit: 1.5X4 13-4-0 TPI=2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) 2 N Ö 5 Ġ 25-8-0 9 9 0ver 6X6≡ 3 Supports 110 mph wind, 18.82 ft mean hgt, ASCE 7 02, CLOSED within 4.50 ft from roof edge, CAT II, EXP B, wind wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18 Wind reactions based on MWFRS pressures 4-10-OO LICENSE 0 ~ (A)0 CORIO No. 66644 ω BEINER . \_\_W R-1116 U-180 W-4" 17-4-01 12-4-0 07 SPACING DUR.FAC. BC LL BC DL TC DL TC LL TOT.LD. FL/-/4/-/E/R/-6-2-N 0 24.0" 1.25 40.0 10.0 20.0 10.0 PSF 0.0 PSF R = 285bldg, not located TC DL=5.0 psf, PSF PSF PSF U=180 W=4" .5X4 Ⅲ FROM SEQN-DATE REF JRFF-HC-ENG DRW HCUSR487 07332013 Scale = .3125"/Ft. R487--1TCU487 DF / DF 24582 11/28/07 2769 201





7-165 T41

Bot chord оp op chord 2x4 SP ot chord 2x4 SP Webs 2x4 SP Filler 2x4 SP :W3 2x8 0ense Dense

SP SS:

:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500

See DWGS TCFILLER0207 and BCFILLER0207 for filler details.

(A) #3 or better scab brace. Same size & 80% length of web Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" 0C. member.

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

Laterally brace BC above filler @  $24^{\prime\prime}$  0.C. Including a lateral brace at chord ends.

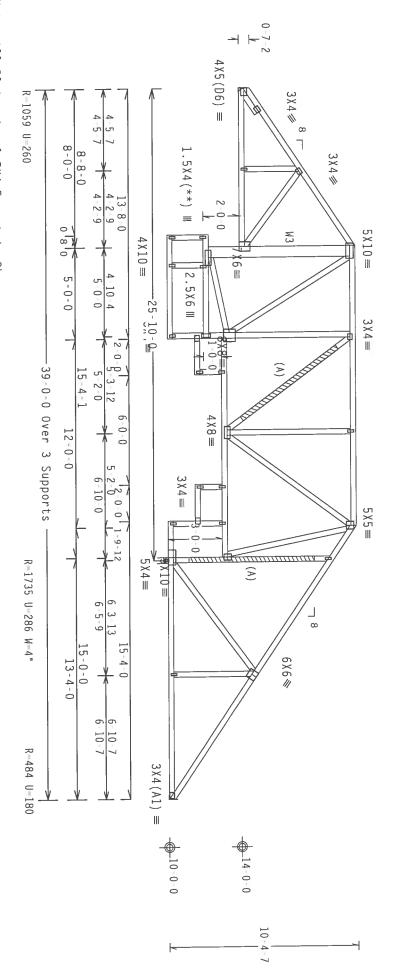
(\*\*) plot 1 plate(s) require special positioning. Refer details for special positioning requirements. to scaled plate

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

Laterally brace BC at 24" 0C in lieu of rigid ceiling. Laterally brace BC above filler at 24" 0C.

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:

PLT TYP.

Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FARRECATION, LINDLING, SHIPPING, INSTALLING AND BRACING, REFER TO REST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 218 DIORTH LEE STREET, SUIT 1372, ALEXANDRA, VA. 22214) AND MICA (MODD TRUSS COUNCIL OF ARERICA, 6300 ENTERPRISE LAME, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HUESE FUNCTIONS. UNLESS OTHERWISE HODICATED FOR FUNCHOS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHD CELLING. TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION COMERACIOR. THE SCC. HE. SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FALLING ID BHILD THE TRUSS IN COMFORMANCE WITH PP. OR FABRECKING. (ANDIDING. SHPPING. INSTALLING A BRACING OF TRUSSES. WARPA) AND IPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HIS CHAINCAL DESIGN SPEC. BY ARRAY AND IPI. THE RESPONSIBILITY OF THE SCORE OF TRUSSES. THE ADDITION FOR BRANING OF TRUSSES. WARPA AND IPI. THE RESPONSIBILITY OF THE BRANING OF TRUSS AND. UNLESS DIMERNISE COCATED ON THIS DESIGN. POSITION FOR BRANINGS 160A Z. AND TRUSSESTION OF PLATES FOLLOWED BY CI) SMALL BE PER ANNEX AS OF IPIL 2002 SEC.3.

AS SEA ON THE SELECTION OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOURCES IN THE SELECTION OF THE TRUSSESSION OF SEC.5.

BUILDING DESIGNER PER S ARE HADE OF TRUES AND LUNESS OF THE SOMEONEM FOR AND ESTEM SPEC. BY AFAPA) AND IPI. THE BCG FACE OF TRUES AND. LUNESS OF THE STATE AND LUNESS OF TRUESS AND TRUESS OF TRUESS AND LUNESS OF TRUESS AND TRUESS OF TRUESSONS OF TRUESSON

ITW Building Components Group, Inc. Haines City, FL 33844 '' ficate c' rizatio 78

ALPINE

7.24. SOU ICENSE No. 66648 07 DUR.FAC. BC LL BC DL TC DL SPACING TOT.LD. C FL/-/4/-/E/R 1.25 40.0 10.0 10.0 20.0 24.0 0.0 PSF PSF PSF PSF PSF DATE JRFF-SEQN REF FROM DRW HCUSR487 07332026 HC-ENG Scale = .1875"/Ft.

DF / DF 24628

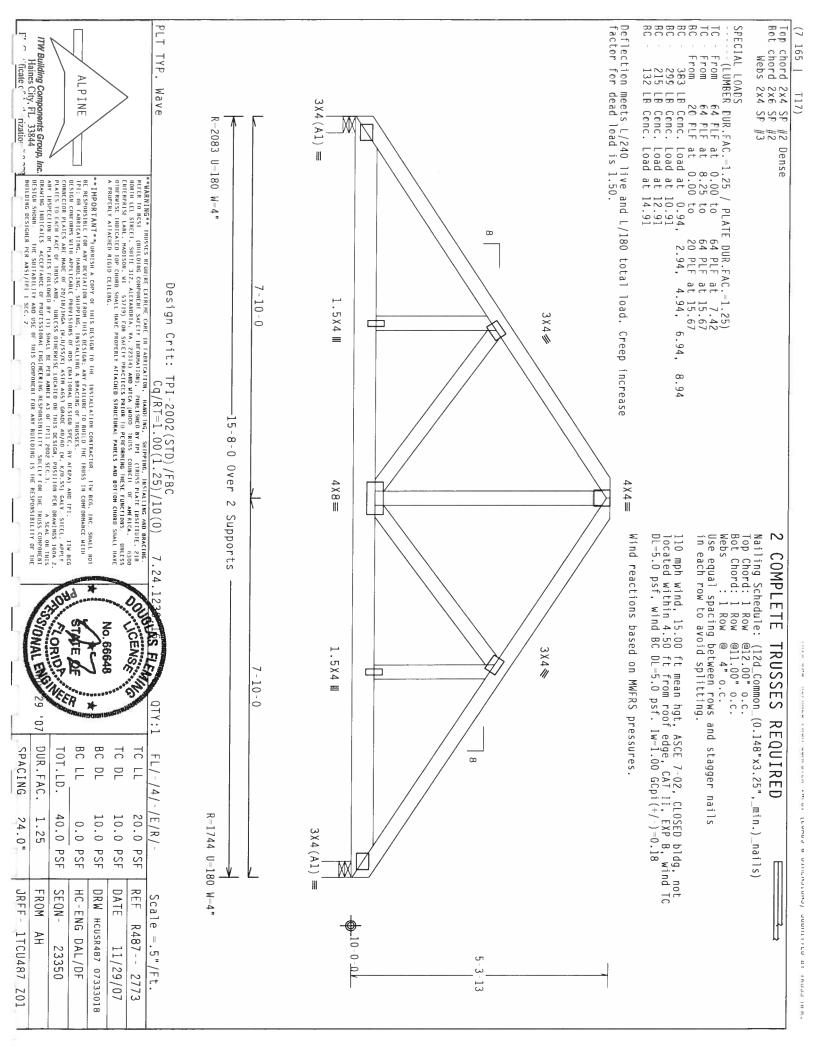
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R487--

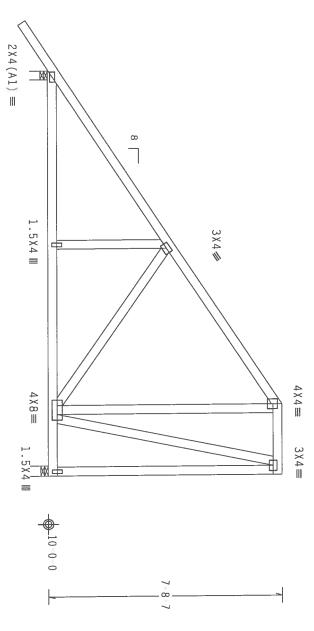
2772

11/28/07



Bot chord 2x4 SP hebs 2x4 SP h Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,.$ In lieu of structural panels use purlins to brace all flat  $24\ensuremath{^{*}}\ensuremath{\text{0C}}.$ (7-165-T52) #2 Dense #2 Dense #3 TC Right end vertical not exposed to wind pressure Wind reactions based on MWFRS pressures 4 X 4 == 3 X 4 ≡

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





\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDEING, SHIPPING, HISTALLING AND BRACING, BEFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FIT (RBISS PLATE HISTITUTE, 21D MORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NICA (MOOD TRUSS COUNCIL OF AMERICA, GAGO CHIERPRIST LANE, HADISON, NI 53/19) FOR SAFETY PRACTICES PRIOR TO PERFORHING HISE FUNCTIONS. UNLESS OTHERHISE INDICATED TO PERFORHING HISE FUNCTIONS. UNLESS A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

PLT TYP. Wave

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

F' C--'ficate c' A--'-rizatior # 0 779 \*\*\*IMPORTANT\*\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE SEG., FIRE. SHALL HOT BE RESPONSIBLE FOR MAY DEFINED FROM FIRST SEG. SEG. ANY FAILURE TO BUILD THE TRUSS IN CONFORMACE WITH PICE OR FARRESTING. (ANDLEGG. SHEPENG. INSTALLING A BRACHEG OF TRUSSES.)

DESIGN CONFORMS WITH APPLICABLE PROPYSIONS OF THIS CONTROL SEG. SPEC. BY ATAPA, AND IPI.

THE SEG. CONFORMS AND. DESIGN CREATER SEG. (ALLISSES) SEG. CONTROL SEG. SPEC. BY ATAPA, AND IPI.

THATES TO CACH FACE OF TRUSS AND. DIRECTS OHIERMISE LOCATED ON THIS DESIGN. POSITION FER DRAHINGS 160A 2.

ANY INSPECTION OF PACES FOLLOWED BY (1) SHALL BE PER ANYEX AS OF TENT 2002 SEC. 3.

ASS. AND THE SULFABLE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.

HE SULFABLLITY AND NEED OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

ALPINE

07 BC LL SPACING DUR.FAC. TOT.LD. 40.0 24.0" 1.25 0.0 PSF PSF

JRFF-

1TCU487 Z01

FROM SEQN-

AH

23062

BC DL TC DL TC LL

10.0 PSF 10.0 PSF

DRW HCUSR487 07333022 HC-ENG DAL/DF

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

Scale = .3125"/Ft. R487--

20.0

PSF

DATE REF

11/29/07

2774

got got chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3 165 T36 )

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

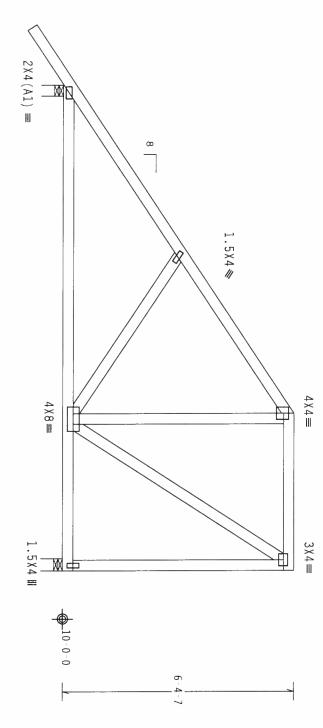
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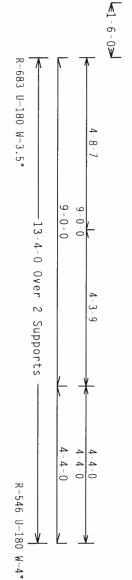
In lieu of structural panels use purlins to brace all flat TC @ 0C. 24"

Wind reactions based on MWFRS pressures.

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  $1.50\,.$ 





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

/E/R/-

Scale =.375"/Ft. R487--

20.0

PSF

REF

DATE

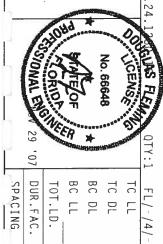
11/28/07 2775 TYP.

Wave

\*\*WARNING\*\* TRUSSES REDUTRE TXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, RECER TO BEST (BRUILDING COMPONENT SAFETY INFORMATION), POBLISHED BY FFT (RRUSS PLATE HISTITUTE, 718 HORTIL LEE STRETE, SHITE 137, ALEXANDRIA, VA, 22314) AND MICA (MODD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADSON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMHIG HIST FUNCTIONS. UNITES OTHERWISE HOUSEAUED FOR FORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEPLATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE RUSSS IN COMPORMANCE WITH FPI; OR FABREACHING, HANDLING, HENPHUG, HENSALL HG, A BRACHING OF FRUSSES.

DESIGN CONTRRS HITH APPLICABLE PROVISIONS OF NDS (MAIDNAL DESIGN SEC, BY AFRA) AND TPI. IN BCG CONNECTOR PLATES ARE HADE OF ZO/IB/16/GA (M.H/SS/K), ASIH A653 GRADE 40/60 (M. K/M.SS) GALY. STEEL APPLY PLATES TO LACH FACE OF TRUSS AND. UNLESS ONERSHISE LOCATED ON THIS DESIGN, POSITION PER DRAWHINGS 160A-Z. ANY THIS PECTION OF TRATES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF THIS ZOELLY FOR THE TRUSS COMPONENT DRAWHING INDICALES ACCEPTOR THE TRUSS COMPONENT DRAWHING INDICALES ACCEPTOR THE TRUSS COMPONENT DRAWHING HOLDCHES ACCEPTOR THE TRUSS COMP DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT BUILDING DESIGNER PER ANSI/TPI I SEC. 2.



10.0 PSF 10.0 PSF

DRW HCUSR487 07332021

24.0" 1.25 JRFF-FROM 1TCU487 Z01

40.0

SEQN-

24506

0.0 PSF PSF

HC-ENG DF/DF

Haines City, FL 3844
Fi Conflicte of Americation # 0 279

ALPINE

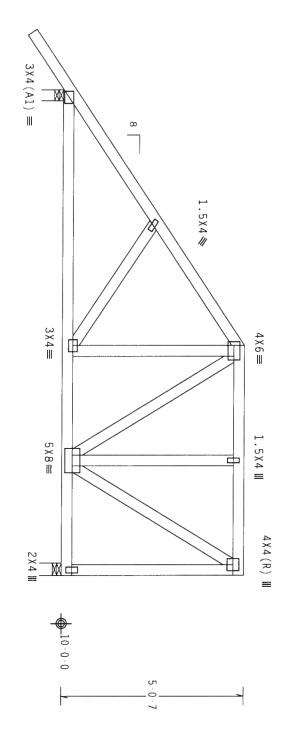
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64 PLF at 7.00
64 PLF at 13.33
5 PLF at 0.00
20 PLF at 13.33
9.06, 11.06, 12.94 11.06, 12.94

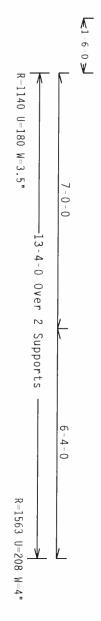
Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC  $24\,\text{\ensuremath{^{\circ}}}\ 0\text{\ensuremath{\mathbb{C}}}.$ 

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.





\*\*WARNING\*\* IRUSES REQUIRE CARE IN FARRICATION, HANDING, SHIPPING, INSTALLING AND BRACING, RETER TO BEST (BUILDING COMPOREN SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 218 1000H LEE STREET, SUITE 312. ALEXANDRIA, NA, 22314) AND SIGLA (MODO TRUSS COUNCIL OF AMERICA, 6300 CHIEGRAFISE LAME, HADISON, HI 53719) FOR SAFETY PRACTICES RIGHOR TO PERFORMING HIEST UNCLIONS, UNLESS OTHERHISE INDICATED THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHD CELLING. TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

PLT

TYP.

Wave

Design Crit:

\*\*IMPORTANT\*\*TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, THC. SHALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM HIS DESIGN, ANY FAILURE TO BRILLD HE TRUSS IN COMFORMANCE WITH FOR THE OR FABRICATING. JURNOLING. SHEPFING. HISTALLING & BRACHMG OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROYESTONS OF NOS (MATONAL DESIGN SPEC, BY AFAFA) AND TPI. ITH BCG CONNICTOR PLATES ARE HADE OF 20/18/16GA (H.H/SS/K) ASTH A653 GRADE 40/60 (H.K/H.SS) GAV. STEEL APPLY

DESIGN SHOWS WITH APPLICABLE PROPESSIONS OF MDS (UNITIONAL DESIGN SPEC, BY AFRA) AND FPI. ITH BECCONNECTION PLATES ARE MADE OF 20/18/16/06A (H.M.15/55), ASIM ASS GRANE 40/560 (M.K./M.SS) GALY. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DEMATHRES 160A Z. ANY INSTECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF THIS 2002 STEC. 3. A SEAL ON THIS DESIGN AND THIS SHALL SEED AS A SEAL ON THIS DESIGN SHALLS ACCEPTANCE OF PORTESSIONAL ENGINEERING RESPONSIBILITY SOLLY FOR THE FRUSS COMPONENT DESIGN SHOWN. THE SUFFAMILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI I SEC.

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

F' ----'ficate c' ' 'rizatio' " ----'9

rizatior " ^ ~ 79

ALPINE



0.0 PSF PSF

> HC-ENG DAL/DF DRW HCUSR487 07333021

SEQN-

23083

REF

Scale =.375"/Ft. R487--

DATE

11/29/07 2776

SPACING 24.0" FROM JRFF-1TCU487 Z01

Top chord Bot chord Note: All Plates Are 1.5X4 Except As Shown. Laterally brace BC above filler @ 24" O.C. Including a lateral brace at chord ends. Laterally brace BC at 24" OC in lieu brace BC above filler at 24" OC. Calculated horizontal deflection is 0.18" due to due to dead load. Deflection meets L/240 live and L/180 total load. factor for dead load is 1.50. :Lt Slider 2x4 SP Haines City, FL 33844

T' 'ficate c' 'rizatior " 79 op chord 2x4 SP of chord 2x4 SP Webs 2x4 SP Filler 2x4 SP TΥP. 165 ALPINE Wave 5X5(D6) =T63) R=1437 U=316 3X4彡 #2 Dense #3: BLOCK LENGTH = 4-2-5 :W3 2x8 SP Dense Dense 8-0-0 3X4 118 \*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE THISTALLATION CONTRACTOR. THE RCG. THE C. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH TPI; OR LAREFACTHIC, HANGUING, SHEPTHAG, HISTALLING A BRACHE OF TRUSSES.

TO REPORT OF THE SHEPTHAGE OF THE 8-8-0 DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILLY DESCENSIONAL INC. SUITABLIFY AND USE OF THIS COMPONENT FOR ANY BUILD BUILDING DESIGNEE PER ANSI/PFI 1 SEC. 2. \*\*WARNING\*\* IRUSSYS REQUIRE EXTRIBE CARE IN FABRICATION, IMAIDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BOSI. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLAIF INSTITUTE, 218 MORH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND NICA (MODD TRUSS COUNCIL OF AMERICA, 6300 FRICERPRISE LANE, HADISON, HI 5379) FOR SAFETY PRACTICES PRIOR TO PERFORMING HESS FUNCTIONS. UNLESS OTHERWISE THAT TO PERFORM THE STREET PRACTICES PRIOR TO PERFORMING HESS FUNCTIONS. PLAILS TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSIT ANY LUSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1 7002 SEC.3 A PROPERLY ATTACHED RIGID CEILING. 4-5 4-5-11 2-0 3-8-0  $0^{18}_{10}$ of rigid ceiling. Laterally (A) ¥3 1.500'  $5 \times 12 =$ 6 X 8 ≡ Design Crit: 6 | 2.5X6 ഗ -10-4 -0-0 0 live ò Creep increase 3 X 4 ≡  $3 \times 4 \equiv$ load and 0.30" 2-0-TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) υþ  $\Xi$ 39-0-0 15-4-1 5 - 2 - 0-3-12 Over 2 Supports 4 X 8 ≡ 0-0-SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE 12-0-0 6-10 0-0-0 0 3 X 4 ≡ 5 X 8 ≡ 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. psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55 In lieu of structural panels use purlins to brace all flat TC @ OC. (A) #3 or better scab brace. Same size & 80% length of web Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" 0C. Wind reactions based on MWFRS pressures 5 X 5 = See DWGS TCFILLER0207 and BCFILLER0207 for filler details 1-9-12 Ö ±2,75≡ OOBS FLEE B 5-5-CENSE - 7 - 9 ω 4X12≪ 3 X 4 ≡ 15-4-0 3 X 5 🥢 13 - 4 - 029 R=1840 U=332 W=3.5"  $\Xi$ 4-7 07 DUR.FAC. BC LL BC DL TC DL TC LL TOT.LD. 1 4 X FL/-/4/-/E/R/-**~**4-2-0-✓ 4-4-0 3X4 (A1) 1.25 40 10.0 20.0 10.0 PSF 0.0 . PSF PSF PSF PSF 10-0-0 <del>\_</del>14-0-0 REF FROM SEQN-DATE DRW HCUSR487 07332034 HC-ENG DF/DF member. Scale = .1875"/Ft. R487--24" 24636 11/28/07 10 2777

SPACING

24.0"

JRFF

1TCU487

201

Top Bot t chord 2x4 Webs 2x4 Filler 2x4 dS dS dS Dense Dense Dense

Left end vertical not exposed to wind pressure

See DWGS TCFILLER0207 and BCFILLER0207 for filler details

Laterally brace BC at 24" 0C in lieu of rigid ceiling. Laterally brace BC above filler at 24" 0C.

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

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

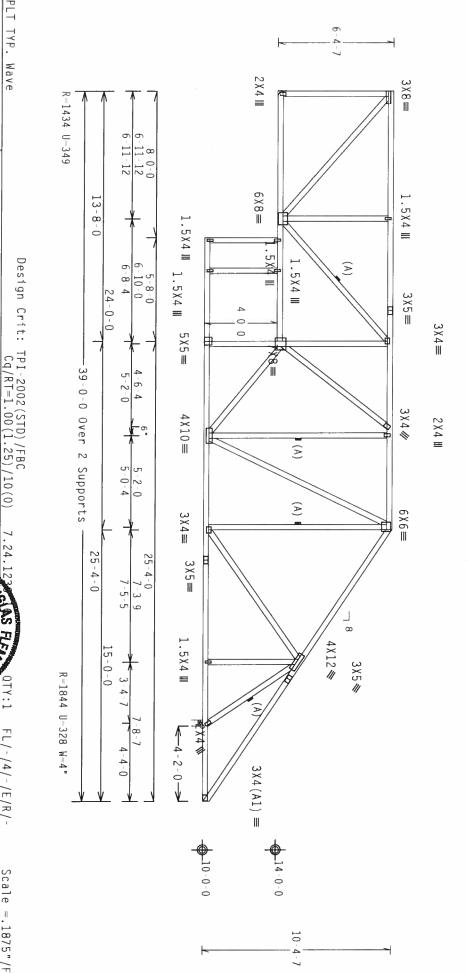
Wind reactions based on MWFRS pressures

Max JT VERT DEFL: il: 0.11" DL: 0.19" recommended camber

(A) Continuous lateral bracing equally spaced on member

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

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



PLT TYP.

Wave

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DRAWING INDICATES ACCEPTANCE OF PROF DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/IPI 1 SEC.

PÁLES TO EACH FAEE OF TRUSS AND. UNIESS OTHERMISE LOCATED ON THIS DESIGN, POS ANY INSPECTION OF PARTES FOLLOWED BY (1) SHALL BE FER ANIEX AS OF TPT1 2002 SEC DRAWING INDICATES. ACCEPTANCE OF PROFESSIONAL INGUILERING RESPONSIBILITY. SOLEL

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SPACING

24.0" 1.25

JRFF-

1TCU487 Z01

ВС TC DL TC LL

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10.0 10.0 20.0

> DATE REF

11/28/07

2778

0.0 PSF PSF PSF PSF

HC-ENG DF/DF

DRW HCUSR487 07332027

ALPINE

\*\*IMPORTANT\*\*QURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE DCG, THC. SHALL HOT DER RESPONSIBLE FOR ANY DEVIATION FROM HIS DESIGN. ANY ALLURE TO BUILD HE TRUSS IN COMFORMANCE WITH THE OR FARRICATING, INDICING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONTROLLAR APPLICANTE PROVISIONS OF HOS (MATIONAL DESIGN SPEC, BY AFAFA) AND THE, APPLICANTE PROVISIONS OF HOS (MATIONAL DESIGN SPEC, BY AFAFA) AND THE, APPLICANTE APPLICANTE AND THE BCG CONNECTOR PLATES ARE HADE OF 20/18/16GA (H.M.SS/K) ASH A653 GRADE 40/50 (H.K./H.SS) GAV. SIEEL, APPLY

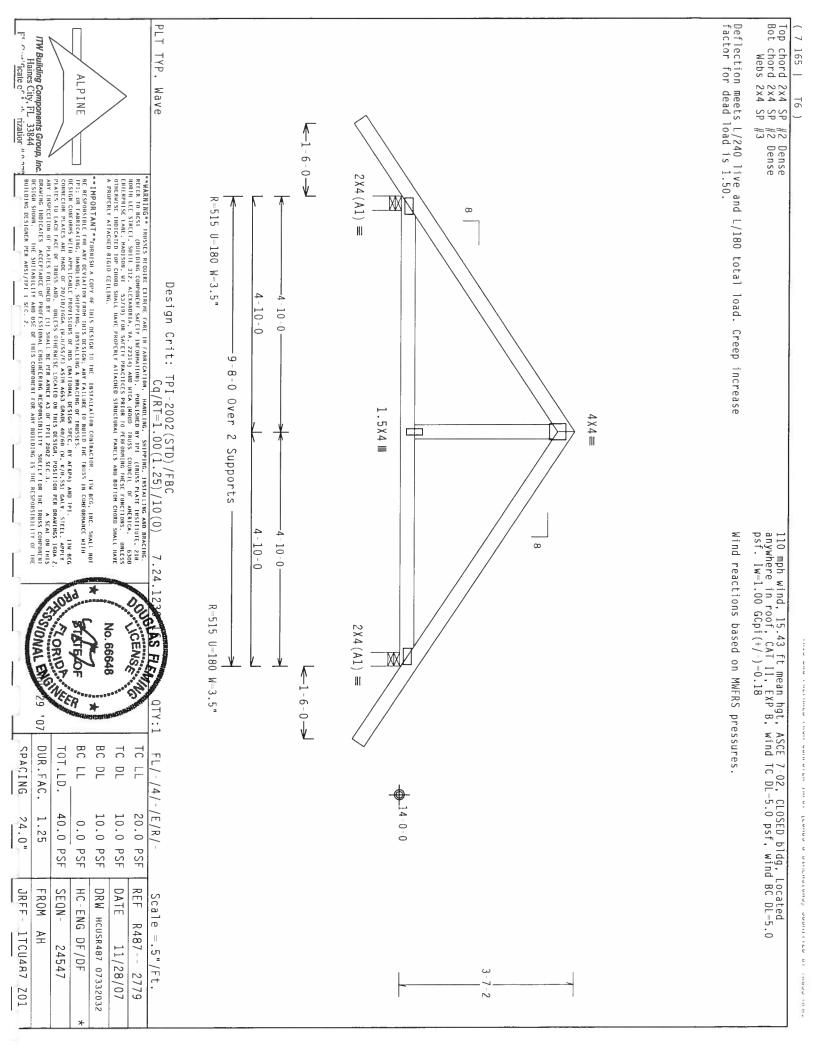
\*\*WARNING\*\* IRUSSES REQUIRE EXTREME CARE IN FARRICATION, "MANDELING, SHIPPING, INSTALLING AND BRACING, RETER TO BEST. (BUILDING COMPONENT SAFELY INFORMATION), PUBLISHED BY TPI (FRUSS PLATE INSTITUTE, 219 INDITED. 219 INDITED.

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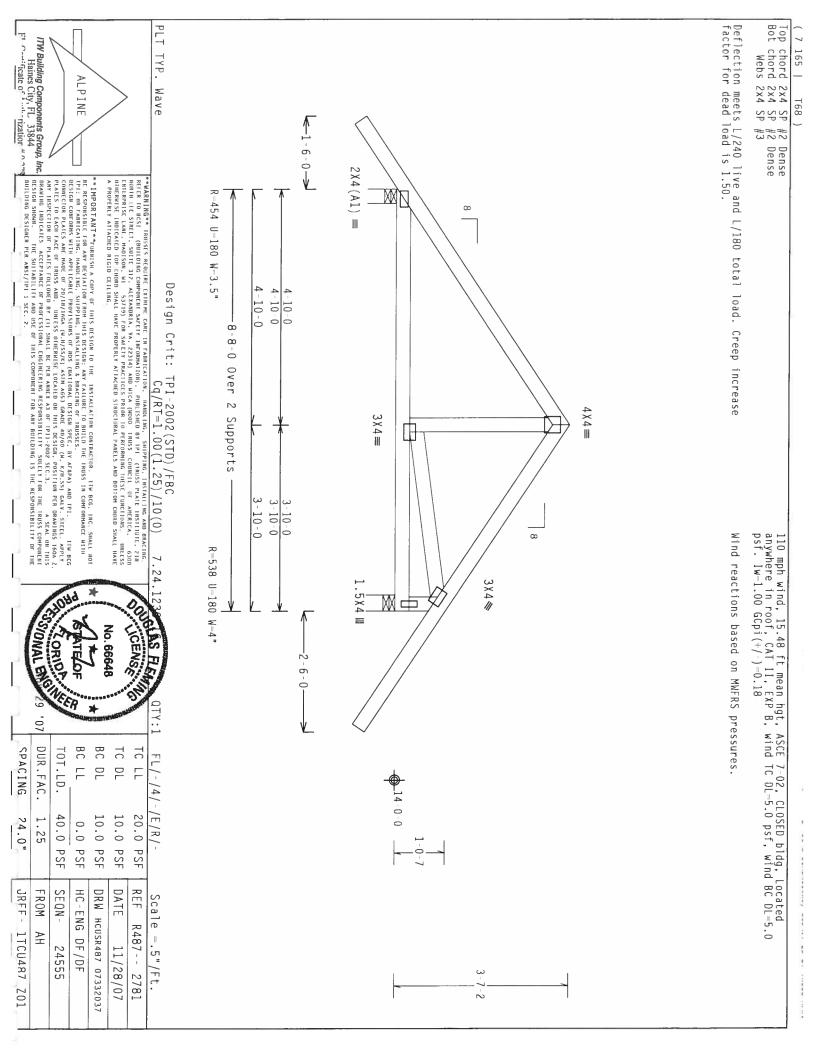
Scale =.1875"/Ft. R487--



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 D
:Stack Chord SC2 2x4 SP #2 D 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 notchable 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 notchable area 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. using 3x6. يَا Haines City, FL 3844

Haines City, FL 3844

Haines City, FL 3844 165 TYP. ALPINE Wave 75 **1**-6-0-**1** 2X4(C6) =\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BEG. THE SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THIS DESIGN FOR FARRECTAING, MANUFULG, SHEPTHE, HISTALLING, BRACHING OF TRUSSES, DESIGN CONTROPS HITH APPLICABLE PROVISIONS OF THIS CONTROPS HITH APPLICABLE PROVISIONS OF THIS CONTROPS HITH APPLICABLE PROVISIONS OF THIS CONTROL SHEET, AND THE SECOND HIT AND THE SHEET OF THE APPLY PLATES TO EACH FACE OF TRUSS AND. DINESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRACHINGS 160A. Z. ANY INSPECTION OF TALES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF THIS COST. A SEAL ON THIS DESIGN. SHEET OF THE SHEET O \*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FARRICATION. HANDLING. SHIPPING, INSTALLING AND BRACING RETER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE HISTITUE, ZIB HORTH LEE STREET, SUITE IZE, ALEXANDRIA, NA, AZZIA) AND HIGA (MODO TRUSS COUNCEL OF AMERICA. 6300 CHIERRETSE LANE, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HIGSE FUNCTIONS. UNLESS ONHEREN CALED TO PUBLISHED SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAMELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING. DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. Dense: Dense: -0 (NNL -6-0 **=261** PLF  $3 \times 4 \equiv$ 0 = 903X4 // PLF W=2 Design Crit:  $\cdot 10 - 0$ 1.5X4 III 1.5X4 W 曲 Ö ė ά TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) ò Over 1.5X4 Ⅲ ۍ 4 X 4 ≡ ά 中 N Ċ Supports 1.5X4 III æ 5 X 4 Ⅲ 45 4-10-0 261 110 mph wind, 15.77 ft mean hgt, ASCE anywhere in roof, CAT II, EXP B, wind psf. Iw=1.00 GCpi(+/-)=0.18 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. 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. In lieu of structural panels use purlins to brace TC @ 24" OC. See DWGS A11030EE0207 & GBLLETIN0207 for more requirements MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS. PLF 7.24. 3X4// BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF U=90 COUNTE PLEASE 3X4 =PLF W=2-0-0 CENSE No. 66648 6-0 (NNL -6-0 2X4(C6) =^1-6-0-¥ 07 DUR.FAC. BC DL TC DL TC LL TOT.LD. SPACING FL/-/4/-/E/R/-7-02, CLOSED bldg, Located TC DL=5.0 psf, wind BC DL=5. SFF ABOVE 10.0 20.0 1.25 40. 10.0 PSF 0.0 0 PSF PSF PSF PSF DATE REF JRFF-FROM SEQN HC-ENG DRW HCUSR487 07332029 Scale =.5"/Ft. R487--AH 1TCU487 DF / DF 24551 11/28/07 -2-15 2780 201



(7-165-| T10)

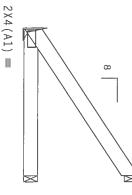
Bot chord 2x4 SP chord 2x4 SP 22 Dense Dense

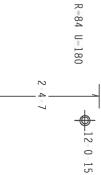
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,.$ 

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. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures





R 36 U 180 \_10-0-0

R-132 U-180

TYP.

Wave

\*\*MARNING\*\* RRISKIS RIGHIBE EXTREME CARE IN FAMBICATION. HANDLING. SHIPPING, HISTALLING AND BRACING. RETER TO BEST (BUILDING COMPONENT SAFETY INFORMATION). PURLISHED BY TPI (TRUSS PLATE INSTITUTE, ZIB MORTH LEE SIRRET, SUHIE 31Z, ALEXANDRIA, VA. Z2314) AND HEAV (HOOD TRUSS COUNCIL DE AMERICA. GOOD ERITERRETSE LANE, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OFHERMISE LODGEAUTED FOR CHARD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARIELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TO CHORD SHALL HAVE Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY TAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH PI: OR FARREACHING, ANDUING, SHEPPIG, HISTALLING & BRACHES OF TRUSSES. BUSINESS IN CONTRACTOR OF TRUSSES. BUSINESS OF THE APPLICABLE PROVISIONS OF THIS CRIMINAL DESIGN SPEC, BY AFAFA) AND THE LITMESCOPPIGN. BY AFAFA AND THE CONTRACTOR OF TRUSSES. BUSINESS OF THIS ACCOUNT. BY A TRUSSES OF THE APPLY PLATES TO FACH FACE OF TRUSS AND. UNLESS OTHERNISE LOCATED ON THIS DESIGN. POSITION PER DRAHINGS BOA 2. ANY INSPECTION OF PLATES TOLLOWED BY 1) SHALL BE PER ANKEX A OF THIS DOCUS SEC. A. A SECTIONAL BUSINESS OF THE STANDARD OF PLATES TOLLOWED BY 1) SHALL BE PER ANKEX A OF THIS DOCUS SEC. A. A SECTIONAL BUSINESS COMPONENT DESIGN SHOWN.

DESIGN SHOWN.

THE SULFABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

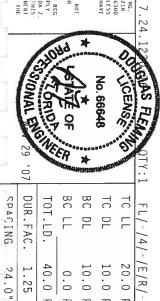
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Haines City, FL 33844

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rizatioi " ^ ~

ALPINE



SPACING	DUR.FAC.
24.0"	1.25
JRFF-	FROM
1TCUAR7	АН
701	

40.0 PSF

SEQN-

23315

10.0 PSF 10.0 PSF

0.0 PSF

HC-ENG DAL/DF DRW HCUSR487 07333016 20.0

PSF

Scale = .5"/Ft. R487--

DATE REF

11/29/07 2782

Deflection meets  $L/240\,$  live and  $L/180\,$  total load. Creep increase factor for dead load is 1.50. Hipjack supports 5-0-0 setback jacks with no webs Top chord 2x4 SP Bot chord 2x4 SP ITW Building Components Group, Inc.
Haines City, FL 33844
F1 Configuration # 0 279 (/-165-| TYP. ALPINE Wave T13) 20 Dense Dense \*\*IMPORTANT\*\*FURNISH A COPY OF THIS BESIGN TO THE INSTALLATION CONTRACTOR. THE BEGG, THE SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION PROM THIS DESIGN. ANY TAILURE TO BUILD THE HAUSS IN COMPORMMEE WITH PI. ON FARRISTING, ANDIDIGG. SHEPTING, INSTALLING A BRACHEN OF TRUSSES, DESIGN SPEC, BY ATREA AND THE DESIGN EMPLOYERS THE APPLICABLE PROVISIONS OF HIDS (INSTALLING AS BRACHE SPEC, BY ATREA) AND THE LINE CONTRACTOR PLACES OF THE STALLING AS AND THE STALLING AND THE \*\*WARNING\*\* INUSSES REQUIRE EXTREME CARE IN FARRICATION. HANDLING. SHIPPING, INSTALLING AND BRACING, RELER TO BEST. (BUILDING COMPONENT SATELY INFORMATION), PUBLISHED BY TIP (TRUSS PLATE INSTITUTE, 218 HORRH LEE STREET, SUITE 127. ALEXANDRIA, NA, 22214) AND HICK HOOD TRUSS COUNCIL OF AMERICA. 6300 CHIERREISE LAME, MADISON, HI 53719) FOR SATELY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR PUBLISHING HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOITOM CHORD SHALL HAVE A PROPERLY ATTACHED TRUCTURAL FAMELS AND BOITOM CHORD SHALL HAVE Design Crit: 2X4(A1) W 5.66 =327 |||U=180 W=5.657" TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) -7-0-14 Over 3 Supports 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 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. Wind reactions based on MWFRS pressures R-80 U-180 R-217 U-180 QTY:2 107 BC DL DUR.FAC. BC LL TC DL IC LL SPACING TOT.LD. FL/-/4/-/E/R/-00 2 24.0" 1.25 40.0 10.0 PSF 10.0 PSF 20.0 PSF 0.0 PSF 10 0 0 PSF SEQN-DATE REF JRFF-FROM HC-ENG DAL/DF DRW HCUSR487 07333003 Scale = .5"/Ft. R487--1TCU487 Z01 23331 11/29/07 2783

Bot 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 Calculated horizontal deflection is 0.12" due to dead load. (7 165 | Haines City, FL 33844
F' ---'Tcate of ''izatior " ---p chord 2x6 SP #2 t chord 2x4 SP #2 | Webs 2x4 SP #3 TYP. ALPINE Wave T15) Dense \*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN. FOR FAREACT HIS DEVIATION FROM THIS DESIGN. OF FOREACT HIS DESIGN. FOR FAREACT HIGH. AND LIGHT BROWLEDGE. SHEPTHAG, INSTALLING A BRACTHO OF TRUSSES. DESIGN. FOR FAREACT HIS APPLICABLE PROVISIONS OF HIS SCHALING DESIGN. SPEC. AN FAREA AND IPT. IN BCG CONNECTOR PLATES ARE MADE OF ZOLD-BLAGA, CH.MISSEY, ASTH AGES GRADE 40760 (M. K.M.S.) GALV STEEL. APPLY PLATES TO EACH FACE OF TRUSS. AND. DHILESS DHERMISE LOCATED ON HIS DESIGN. POSITION PER BRAHHGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE FER ANNEX A OF THIS DESIGN. POSITION FOR BRAHHGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE FER ANNEX A OF THIS DESIGN. FOR SCHALING THE SHALL HABILLY AND USE OF THIS COMPONENT FOR SHALL HABILLY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY AND USE OF THIS COMPONENT BUILDING DESIGNER PER ANSI/PPI 1 SEC. .\*  $2X4(A1) \equiv$ R=368 U=180 W=4" (0.769" Effective Contact) due to Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 1.5X4 III 9-0-0 Over 1.5X4 III l i ve load ò 3 Supports ò œ and  $1.5 \times 4 =$ 0.19" 4×8/ 5.66 F . -9-1 110 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 MWFRS pressures. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. R=298 U=180 R=64 U=180 COUNTRY FLER STONAL EMBRISH No. 66646 INIA DNA FREFARED FROM COMPUTER INPUT (LUADO & DIMENOTUNO) SUBMITIED BI IKUSO MFK. 4 -0-5 **⊕**-15-6-4 10-0-0 \_12-0-0 SPACING DUR.FAC. BC LL BC DL TC DL TC TOT.LD. FL/-/4/-40.0 1.25 20.0 /E/R/-10.0 PSF 10.0 PSF 0.0 PSF PSF PSF DATE REF FROM SEQN-HC-ENG DAL/DF DRW HCUSR487 07333010 JRFF Scale = .375"/Ft. R487--AH 11/29/07 23295 2784

24.0"

1TCU487 Z01

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP PLT TYP. Wave Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,\mathrm{.}$ In lieu of structural panels use purlins to brace all flat TC 24" OC. (7 165 | ALPINE T23) **★**1-6-0 **★** ##2  $3 \times 4 (A1) =$ Dense Dense M \*\*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 TATLURE TO BUILD THE TRUSS IN COMPORMANCE WITH PI: OR FARESCHING, ANDULEG. SHEPPIDG. HISTALLING A BRACHES OF FRUSSES. DESIGN SPIC. BY ATAPA, AND IT. DESIGN CONTROLED FROM THE APPLICABLE PROVISIONS OF MUS (MATIONAL DESIGN SPIC. BY ATAPA, AND IT. BY COCOMING TOR PLAITS ARE MADE OF 70/129/160A (M.).1555/) ASHA ASS GRAME 40/56 (M. K./M.S.) GALV. SIEEL APPLY PLAIES TO EACH FACE OF TRUSS AND. HIRLS OF HERMISE LOCATED ON THIS DESIGN, POSITION PER BRAHHGS 150A Z. ANY HISSECTION OF PLAIES FOLLOWED BY (1) SHALL BE FER AMILY XA OF THIS DESIGN. POSITION FROM BRAHHGS 150A Z. ANY HISSECTION OF PLAIES FOLLOWED BY (1) SHALL BE FER AMILY XA OF THIS DESIGN. THE BUSS COMPORENT DESIGN SHOWN. HE SHITANILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUSS COMPONENT DESIGN SHOWN. \*\*WARNING\*\* IRUSSES REQUIRE CYPTEME CARE IN FABRICATION, INABULING, SHIPPING, IMSTALLING AND BRACING, REFER TO BEST (DULLDING COMPONENT SAFETY INFORMATION), PUBLISHING BY PET (TRUSS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (MODD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERMISE INDICATED DEFORMED SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE =1116 $\infty$ U=180 W=4" -0-0 Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 4X5≢ 3 X 4 ≡ 15 -8-0 Over 2 Supports 5-8-0 1.5X4 III 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 MWFRS pressures. #1 hip supports 5-0-0 jacks with no webs 4 X 8 ≡ OSIONAL ENGINEE CENS ഗ 8 -0-0 R=1116 U=180 W=4"  $3X4(A1) \equiv$ '07 W **★**1-6-0 **≯** BC LL BC DL TC DL TC LL DUR.FAC. SPACING TOT.LD. FL/-/4/-/E/R/-40.0 20.0 24.0" 1.25 10.0 PSF 10.0 PSF 0.0 PSF PSF PSF DATE REF JRFF -FROM SEQN-DRW HCUSR487 07333004 HC-ENG DAL/DF Scale =.375"/Ft. R487--1TCU487 23339 11/29/07 2785 Z01

Bot p chord 2x4 SP t chord 2x4 SP Webs 2x4 SP #2 Dense #2 Dense #3

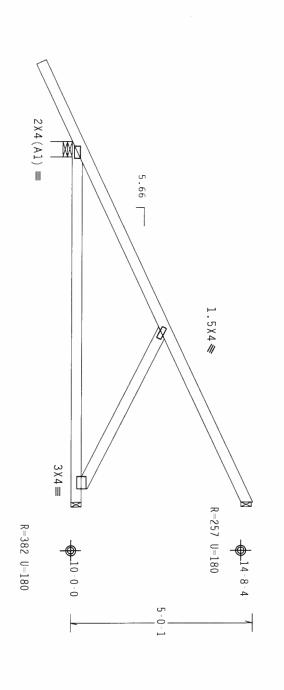
Hipjack supports 7-0-0 setback jacks with no webs

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, lw=1.00 GCpi(+/-)=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.





\*\*WARNING\*\* IRUSSES REQUIRE EXTREME CARE IN TABRICATION, INABELING, SHIPPING, INSTALLING AND BRACING, RETER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (1885 PLATE INSTITUTE, 216 MOBIL CET SHEET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (MODD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MAISSON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING INFSE FUNCTIONS. UNITES OTHERWISE HOLDS WALLED FOR FORDS SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL HAVE 

TYP.

Wave

\*\*IMPORTANT\*\*rubnish a copy of this design to the "Installation contractor, ith beg, inc. Shall not be received by the contractor, ith beg, inc. Shall not be received by the contractor of the state.

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Design composes with applicable provisions of ands (instandal design spec, by afra) and it is not control to the state are take of 2019/19/66A, 49.19/58/19, asth associated by this design, position per Brahibos 160A t. Apply plates to Each fact of truss and, unless otherwise located on this design, position per Brahibos 160A t. Apply inspection of plates pollohof by (1) shall be per annex as of itil 2002 sec.).

Ask inspection of plates pollohof by (1) shall be per annex as of itil 2002 sec.).

Ask inspection of plates pollohof by (1) shall be per annex as of itil 2002 sec.).

Ask inspection of plates in the suitability and use of this component for any billion is the responsibility of the design shown.

Intervillability and use of this component for any billion is the responsibility of the building designer per ansi/fipi i sec. 2.

Haines City, FL 33844
F' Carificate of Arthur rization # 279

ALPINE

OCIOENSE STONAL ENGINEE No. 6664 QTY:2 107 TC LL RC DI  $\mathcal{I}_{\mathcal{I}}$ FL/-/4/-/E/R/-민 20.0 10.0 PSF

PSF

Scale = .375"/Ft. R487--

DATE REF

11/29/07 2786

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SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF
JRFF- 1TCU487 Z01	FROM AH	SEQN- 23072	HC-ENG DAL/DF	DRW HCUSR487 07333020