

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: 1TDG8228Z0120085543

Truss Fabricator: Anderson Truss Company
Job Identification: 7-285--Isaac Construction RYAN & JULIE CADY -- Southwood Meadows , **
Truss Count: 77
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.36, 7.41.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 12/20/2007

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

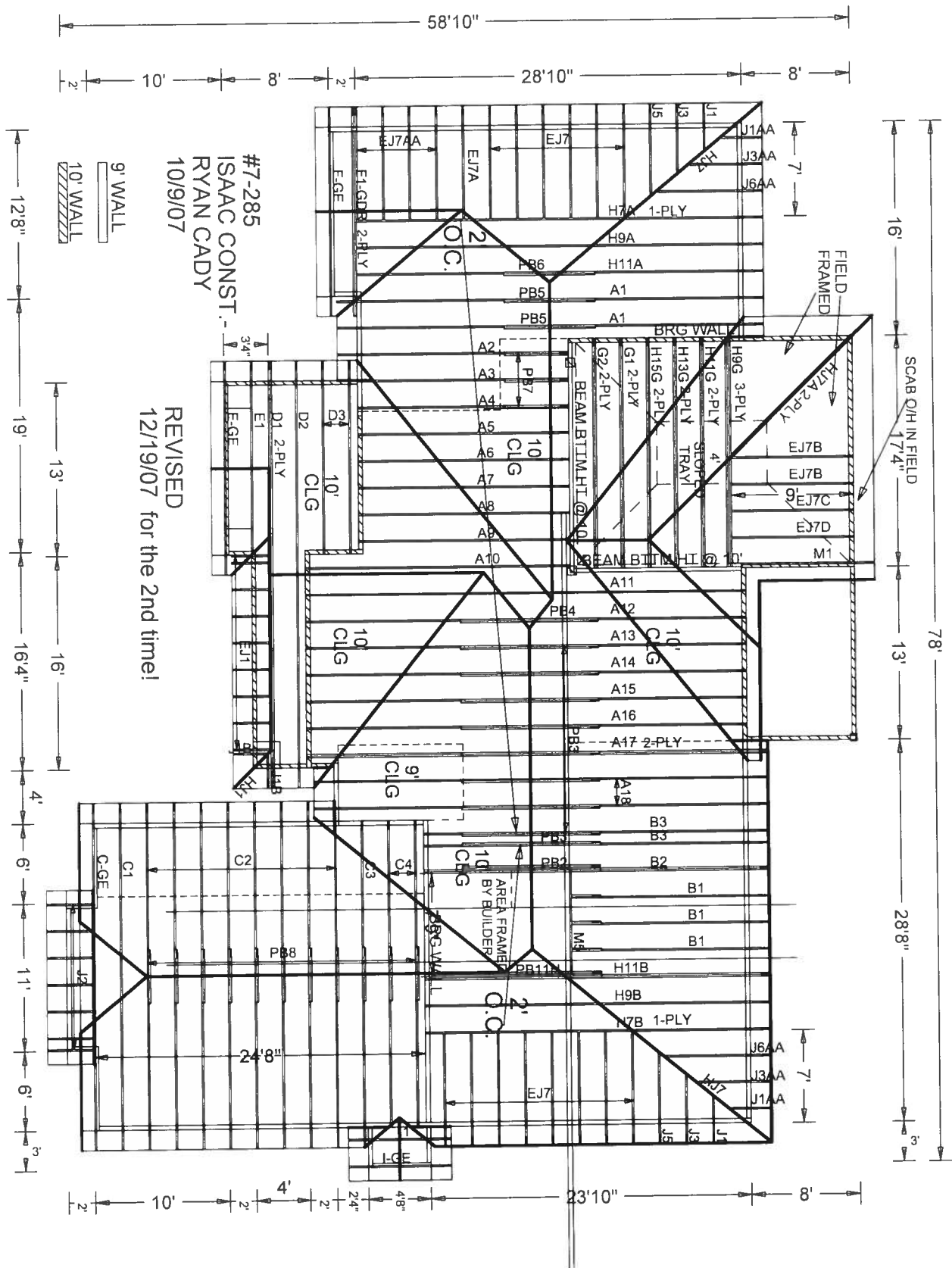
Details: BRCLBSUB-TCFILLER-BCFILLER-A11015EE-GBLLETIN-PIGBACKA-PIGBACKB-

| # | Ref | Description | Drawing# | Date |
|----|-------------|-------------|----------|----------|
| 1 | 11175--A1 | | 07354073 | 12/20/07 |
| 2 | 11176--A18 | | 07354063 | 12/20/07 |
| 3 | 11177--A17 | | 07354033 | 12/20/07 |
| 4 | 11178--A16 | | 07354060 | 12/20/07 |
| 5 | 11179--A15 | | 07354061 | 12/20/07 |
| 6 | 11180--A14 | | 07354059 | 12/20/07 |
| 7 | 11181--A13 | | 07354058 | 12/20/07 |
| 8 | 11182--A12 | | 07354052 | 12/20/07 |
| 9 | 11183--A11 | | 07354050 | 12/20/07 |
| 10 | 11184--A2 | | 07354048 | 12/20/07 |
| 11 | 11185--A5 | | 07354037 | 12/20/07 |
| 12 | 11186--A6 | | 07354038 | 12/20/07 |
| 13 | 11187--A7 | | 07354045 | 12/20/07 |
| 14 | 11188--A8 | | 07354046 | 12/20/07 |
| 15 | 11189--A9 | | 07354041 | 12/20/07 |
| 16 | 11190--A10 | | 07354047 | 12/20/07 |
| 17 | 11191--H11A | | 07354057 | 12/20/07 |
| 18 | 11192--H7A | | 07354027 | 12/20/07 |
| 19 | 11193--H9A | | 07354043 | 12/20/07 |
| 20 | 11194--A3 | | 07354026 | 12/20/07 |
| 21 | 11195--A4 | | 07354034 | 12/20/07 |
| 22 | 11196--B3 | | 07354056 | 12/20/07 |
| 23 | 11197--H7B | | 07354065 | 12/20/07 |
| 24 | 11198--H9B | | 07354070 | 12/20/07 |
| 25 | 11199--B1 | | 07354023 | 12/20/07 |
| 26 | 11200--B2 | | 07354055 | 12/20/07 |
| 27 | 11201--H11B | | 07354030 | 12/20/07 |
| 28 | 11202--C2 | | 07354003 | 12/20/07 |
| 29 | 11203--C3 | | 07354004 | 12/20/07 |
| 30 | 11204--C4 | | 07354005 | 12/20/07 |
| 31 | 11205--C1 | | 07354006 | 12/20/07 |
| 32 | 11206--C-GE | | 07354024 | 12/20/07 |
| 33 | 11207--D2 | | 07354016 | 12/20/07 |
| 34 | 11208--D3 | | 07354042 | 12/20/07 |
| 35 | 11209--D1 | | 07354005 | 12/20/07 |
| 36 | 11210--E1 | | 07354015 | 12/20/07 |
| 37 | 11211--E-GE | | 07354018 | 12/20/07 |
| 38 | 11212--F-GE | | 07354006 | 12/20/07 |

| # | Ref | Description | Drawing# | Date |
|----|---------------|-------------|----------|----------|
| 39 | 11213--F1-GDR | | 07354013 | 12/20/07 |
| 40 | 11214--H11G | | 07354029 | 12/20/07 |
| 41 | 11215--H13G | | 07354031 | 12/20/07 |
| 42 | 11216--H15G | | 07354049 | 12/20/07 |
| 43 | 11217--G1 | | 07354051 | 12/20/07 |
| 44 | 11218--G2 | | 07354053 | 12/20/07 |
| 45 | 11219--H9G | | 07354028 | 12/20/07 |
| 46 | 11220--I1 | | 07354012 | 12/20/07 |
| 47 | 11221--I-GE | | 07354001 | 12/20/07 |
| 48 | 11222--J2 | | 07354039 | 12/20/07 |
| 49 | 11223--J1B | | 07354020 | 12/20/07 |
| 50 | 11224--HJ1 | | 07354019 | 12/20/07 |
| 51 | 11225--EJ1 | | 07354021 | 12/20/07 |
| 52 | 11226--HJ7A | | 07354017 | 12/20/07 |
| 53 | 11227--EJ7B | | 07354032 | 12/20/07 |
| 54 | 11228--EJ7C | | 07354035 | 12/20/07 |
| 55 | 11229--EJ7D | | 07354036 | 12/20/07 |
| 56 | 11230--J1 | | 07354008 | 12/20/07 |
| 57 | 11231--HJ7 | | 07354022 | 12/20/07 |
| 58 | 11232--J3 | | 07354011 | 12/20/07 |
| 59 | 11233--J5 | | 07354010 | 12/20/07 |
| 60 | 11234--J1AA | | 07354007 | 12/20/07 |
| 61 | 11235--J3AA | | 07354004 | 12/20/07 |
| 62 | 11236--J6AA | | 07354054 | 12/20/07 |
| 63 | 11237--EJ7 | | 07354009 | 12/20/07 |
| 64 | 11238--EJ7AA | | 07354072 | 12/20/07 |
| 65 | 11239--EJ7A | | 07354071 | 12/20/07 |
| 66 | 11240--EJ7B | | 07354064 | 12/20/07 |
| 67 | 11241--M1 | | 07354014 | 12/20/07 |
| 68 | 11242--M5 | | 07354025 | 12/20/07 |
| 69 | 11243--PB3 | | 07354044 | 12/20/07 |
| 70 | 11244--PB5 | | 07354040 | 12/20/07 |
| 71 | 11245--PB7 | | 07354068 | 12/20/07 |
| 72 | 11246--PB4 | | 07354062 | 12/20/07 |
| 73 | 11247--PB6 | | 07354069 | 12/20/07 |
| 74 | 11248--PB8 | | 07354067 | 12/20/07 |
| 75 | 11249--PB1 | | 07354003 | 12/20/07 |
| 76 | 11250--PB2 | | 07354066 | 12/20/07 |

| # | Ref | Description | Drawing# | Date |
|----|--------------|-------------|----------|----------|
| 77 | 11251--PB11H | | 07354002 | 12/20/07 |





JOB DESCRIPTION:: Isaac Construction
/: RYAN & JULIE CADY

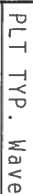
JOB NO:
7-285

PAGE NO:
1 OF 1

110 mph wind, 13.00 ft mean HGL, AVE / VZ, CLUSTV diag, 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 MFRS pressures.

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



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

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

7.36.0424

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

Scale = .25"/Ft.

*****WARNING***** PRIORS (BUILDING EXISTENCE CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO 8051 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY FBI (FBI SAFETY INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, HUNTSVILLE, AL, 35891) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PIPES AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group, Inc.

FI Certificate of Authorization # 00700



Dec 20 07

| | | | |
|---------------|----------|------------------|--------------------|
| FL/-/4/-/E/-/ | | Scale = .25"/Ft. | |
| TC LL | 20.0 PSF | REF | R8228 - 11175 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354073 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53342 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228Z01 |

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

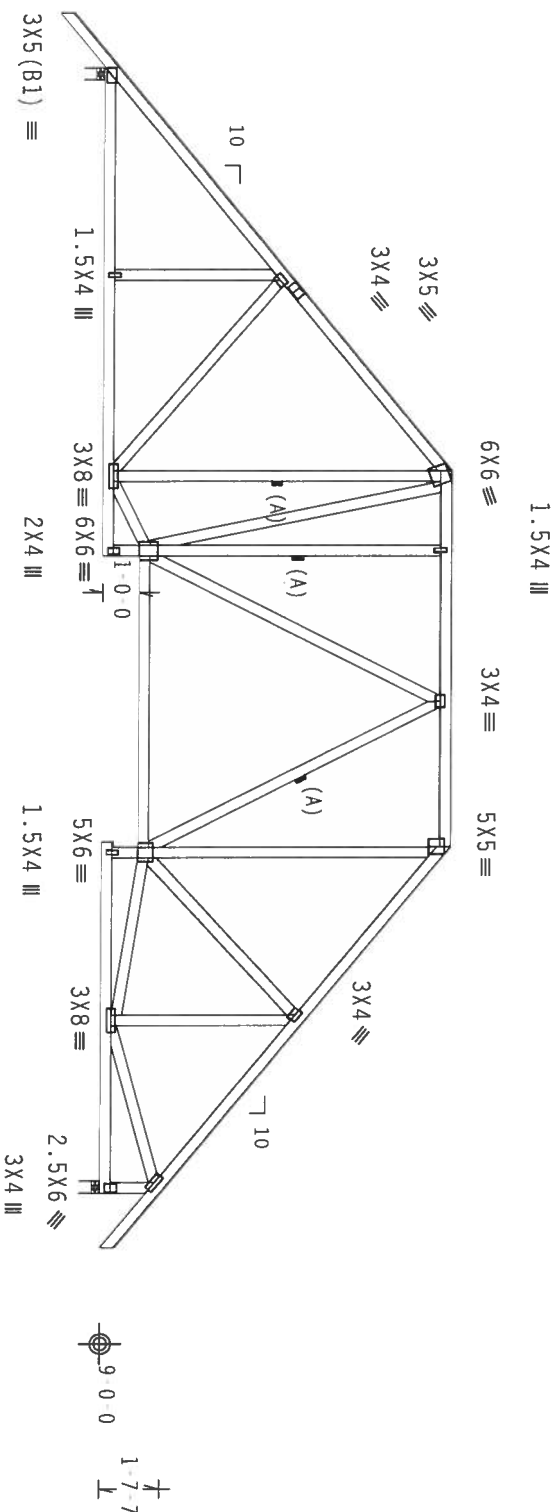
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.00 ft mean height, ASCE 7-02, clustcu diag, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $GCP(+/ -)=0.18$

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424 10

QTY:1

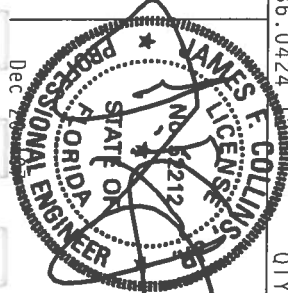
FL/-/4/-/E/-/-

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

ITW Building Components Group, Inc.
Haines City, FL 33844
FPI Certificate of Registration
ALPINE
Dec 2007



| | | |
|----------|----------|-----------------------|
| TC LL | 20.0 PSF | REF R8228-11176 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUR8228 07354063 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK * |
| TOT.LD. | 40.0 PSF | SECN- 53392 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TDG8228Z01 |

Top Chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Filler 2x4 SP #2 Dense

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

110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCP(+/-)=0.18

See DWGS TCFILLER0207 and BCFILLER0207 for filler details.

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

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)

Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @12.00" o.c.

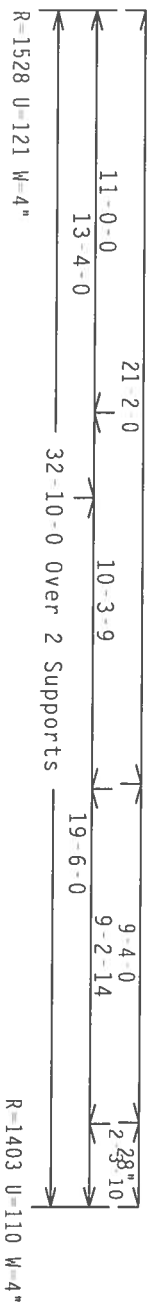
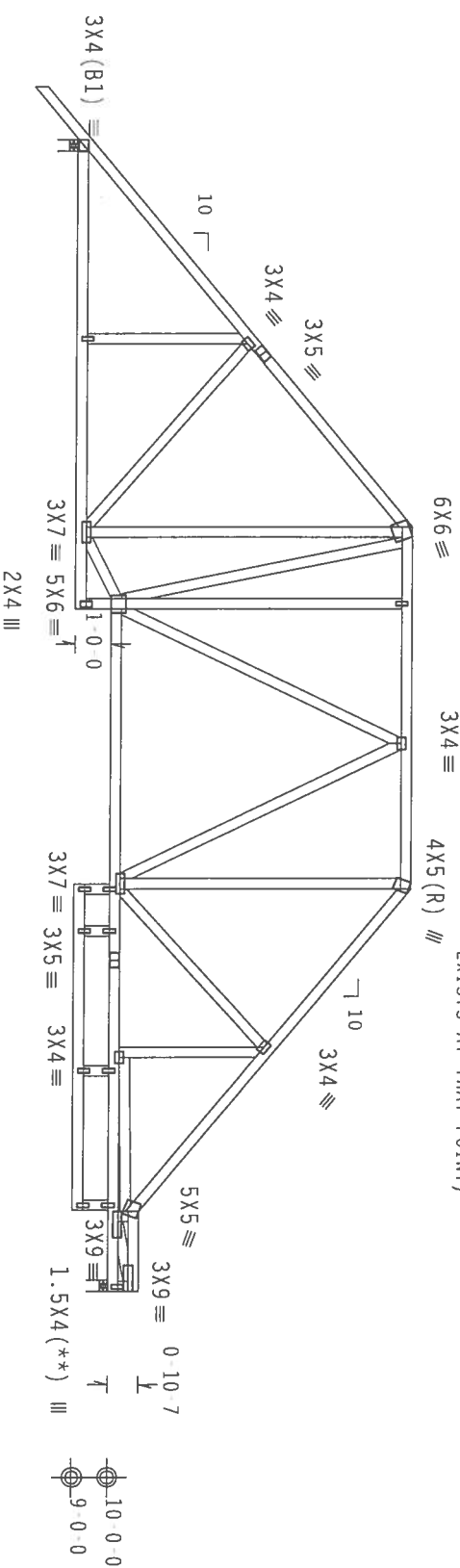
Webs: 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Wind reactions based on MWFRS pressures.

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

SEE DWGS TCFILLER0207 AND BCFILLER0207 FOR FILLER DETAILS. LATERALLY BRACE BOTTOM CHORD ABOVE/BELOW FILLER AT 24" O.C. (OR AS DESIGNED) INCLUDING A LATERAL BRACE ON CHORD DIRECTLY ABOVE/BELOW BOTH ENDS OF FILLER (IF NO RIGID DIAPHRAGM EXISTS AT THAT POINT)



Note: All Plates Are 1.5x4 Except As Shown.

PLT TYP. Wave

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

7.36.0424

QTY: 1

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 6100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 2000 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



ITW Building Components Group, Inc.
Haines City, FL 33844
FJ Certificate of Authorization



| FL / - / 4 / - / E / - / - | Scale = .1875"/ft. |
|----------------------------|--------------------|
| TC LL | 20.0 PSF |
| TC DL | 10.0 PSF |
| BC DL | 10.0 PSF |
| BC LL | 0.0 PSF |
| TOT. LD. | 40.0 PSF |
| DUR. FAC. | 1.25 |
| SPACING | 24.0" |
| REF R8228 - 11177 | |
| DATE 12/20/07 | |
| DRW HCUSR8228 07354033 | |
| HC-ENG WHK/WHK | |
| SEQN- 53476 | |
| FROM AH | |
| JREF- 1TDG8228201 | |

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

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

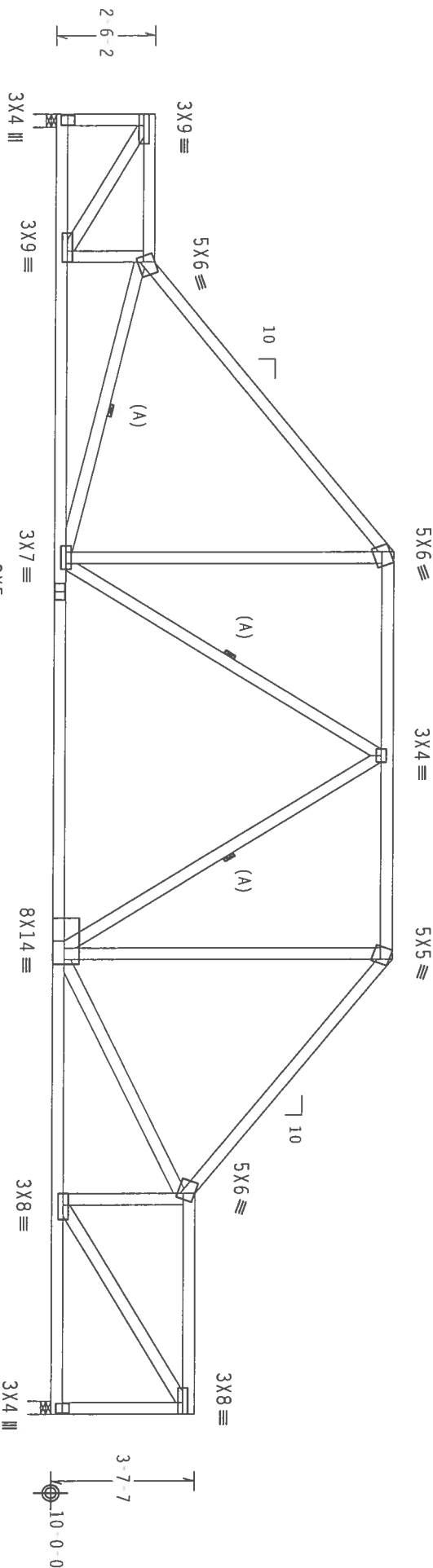
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Live wind wind, 15.54 ft mean hgt, ASCE 7-02, ClUSU Bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Provide for complete drainage of roof.



3-8-12 7-3-4 10-3-9 5-11-4 5-7-4
R-1412 U=120 W=4"
32-10-0 Over 2 Supports
R-1412 U=129 W=4"

PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

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

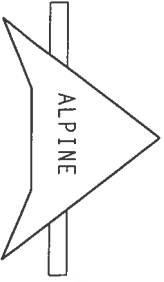
QTY: 1 FL/-/4/-/E/-/-

Scale = .25"/ft.

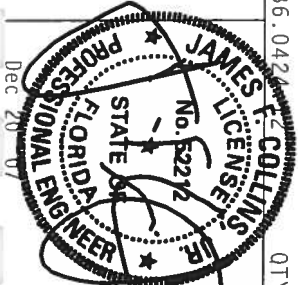
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2003 NATIONAL DESIGN SPEC. BY AIA/AIA AND TPI. ITW BCG TRUSSES ARE DESIGNED TO MEET THE REQUIREMENTS OF THE 2003 NATIONAL DESIGN SPEC. FOR TRUSSES. ANY DEVIATION FROM THIS DESIGN, POSITION PER DRAWINGS, TYP. 2, SHALL BE THE RESPONSIBILITY OF THE DESIGNER. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL ON THIS DRAWING IS REQUIRED. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Registration



| TC LL | 20.0 PSF | REF | R8228-11179 |
|-----------|----------|--------|-------------------|
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCSR8228 07354061 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT. LD. | 40.0 PSF | SECON | 53501 |
| DUR. FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF | 11068228Z01 |

110 mph wind, 10.0' 12' mean hgt, ALC / VC, clust dry, not located within 4.50 ft from roof edge, CAT 11, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MMFRS pressures.

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

Provide for complete drainage of roof.



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

7.36.0424

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

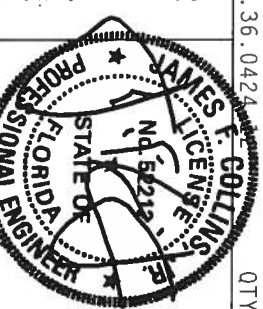
Scale = .25"/Ft.

*"WARNING" *FIRMS (INCLUDING COMPROMISE CASE IN FABRICATION), HANDLING, SHIPPING, INSTALLING AND DRACINIS REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (FIRMS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND HICK (WOOD PRES. COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, ALEXANDRIA, VA, 22319) FOR SAFETY PRACTICES PRIOR TO PREPARING INTERIOR SURFACES. INTERESTED PARTIES INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

ITW Building Components Group, Inc.

Haines City, FL 33844
 FI Certificate of Authorization 40077



Dec 28 07

| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11181 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354058 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53513 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228Z01 |

110 mph wind, 17.14 ft mean HGL, ASCE 7-02, CLUSTED diag, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 gcpi(+)=0.18

Wind reactions based on MWFRS pressures.

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

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


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


7.36.0424

QTY: 1

FL/14/E/1

Scale = .25"/Ft.

WARNING: THESE RIGID EXTRUSION CAST IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BROKEN REFER TO (B) (6) (BUILDING COMPONENT SPECIFIC INFORMATION). PUBLISHED BY FBI (FEDERAL BUREAU OF INVESTIGATION) 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WFO (WASHINGTON FIELD OFFICE OF AMERICA, 63000 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
F1 Certificate of Authorization #0076

4424
 QTY: 1
 JAMES F. COLLINS
 LICENSE
 No. 62212
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Dec 20 07

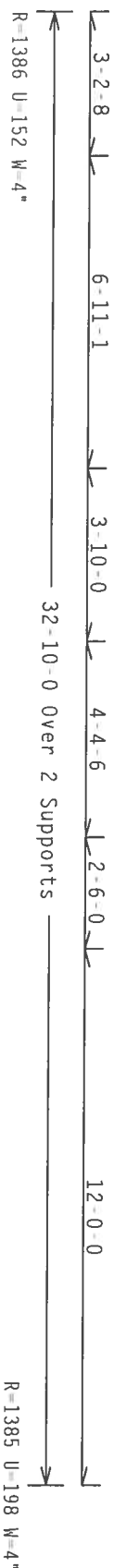
| | | | |
|----------|----------|--------|--------------------|
| LL | 20.0 PSF | REF | R8228- 11182 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCSUR8228 07354052 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEON | 53518 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228201 |

110 mph wind, 10.3 / 1. mean rgl, ASL / -02, CLUSTD diag, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.18

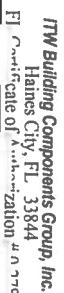
Wind reactions based on MWRFS pressures.

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

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

5X6
≡≡≡

Scale = .25"/Ft.

[illegible]

| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11183 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354050 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN - | 53524 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1ID68228Z01 |

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

Left end vertical not exposed to wind pressure.

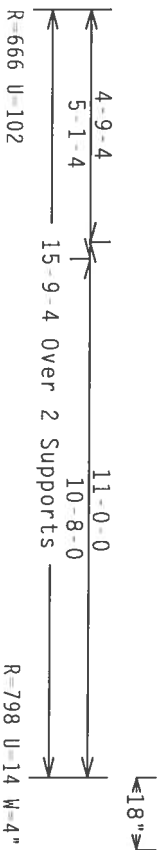
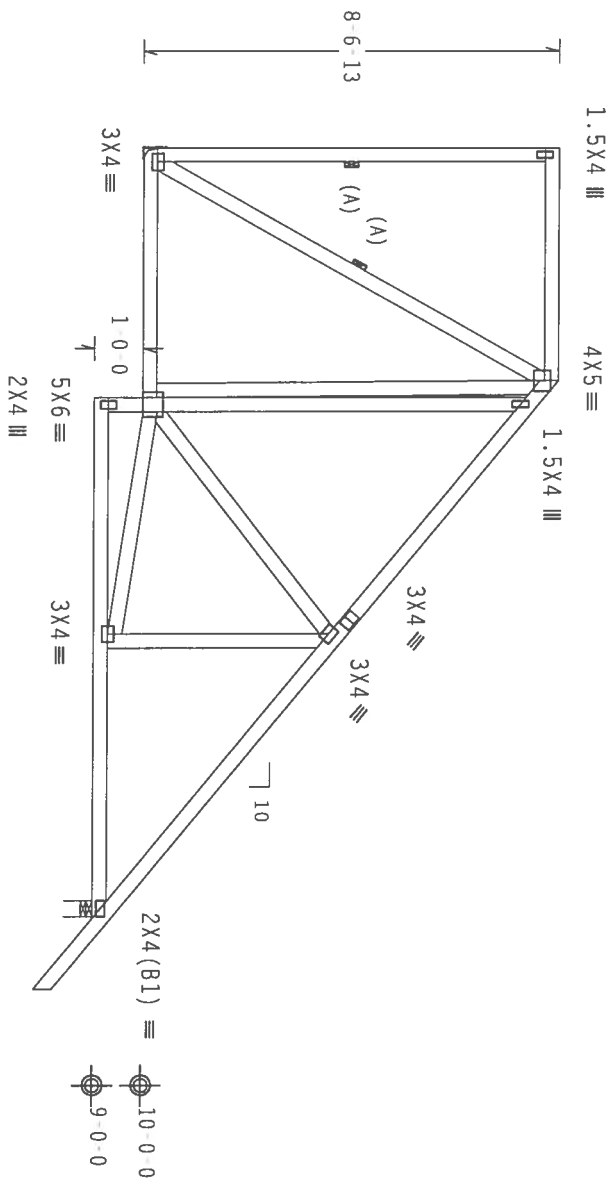
(A) Continuous lateral bracing equally spaced on member.

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

Live wind, 12.00 ft mean ngL ASLE / -02, CLUSEU D10g, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MFRS pressures.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

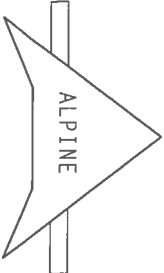
Cq/RT=1.00(1.25)/0(0)

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

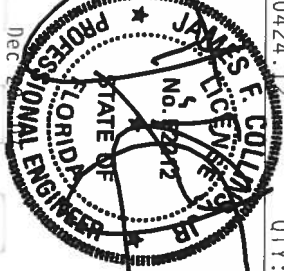
Scale = .25"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** URBANISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BFG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE BFG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



ITW Building Components Group, Inc.
Haines City, FL 33844
FJ Certificate of Registration

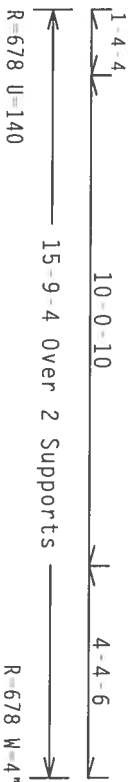


| | | |
|----------|----------|------------------------|
| TC LL | 20.0 PSF | REF R8228- 11184 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07354048 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK |
| TOT.LD. | 40.0 PSF | SEON- 53888 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TDG8228201 |

110 mph wind, 1/43 lb mean rgl, ASCE 7-02, clustg diag, 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 MMFRS pressures.

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



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

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

7.36.0424.12

OTY:1 FI/-/4/-/FI/-/-

Scale = 25"/Ft

*****WARNING***** TRIKES, REIGLER EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY FBI (FBI'S PLASTIC INSTITUTE), 218 NORTON LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND NICA (NICA GOOD TRIKES CONSULT OF AMERICA, 6500 ENTERPRISE LANE, HADDONSBURG, VA 53179) FOR SAFETY PRACTICES PRIOR TO REPAIRING TRIKES OF AMERICA. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CLIPPING.

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

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS, INCLUDING THE DESIGN OF THE JOINTS, THE FABRICATION, THE ERECTION, THE SHIPMENT, THE INSTALLATION, THE BRACING OF THE TRUSS, THE PROTECTION OF THE TRUSS, THE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATION (NDS) AND THE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATION (NDS) FOR TRUSSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS, INCLUDING THE DESIGN OF THE JOINTS, THE FABRICATION, THE ERECTION, THE SHIPMENT, THE INSTALLATION, THE BRACING OF THE TRUSS, THE PROTECTION OF THE TRUSS, THE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATION (NDS) AND THE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATION (NDS) FOR TRUSSES.

CONNECTION PLATES ARE MADE OF 20/18/16GA (W./H./S./K) ASTM A563 GRADE 40/60 (W./H./S.) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DETAIL, POSITION PER DRAWINGS 160A & 160B.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE ISSUES COMPROHENDING A SEAL ON THE
AN INSPECTION PLATES FOLLOWED BY (I) SHALL BE PER ANHX AS OF PII 2002 SEC.3.
OFFICIAL SHOULD THE CULABILITY AND USE OF THIS CONTRACTOR AND THE MATERIALS TO BE PROVIDED

THE SUSTAINABILITY AND COST OF THIS CONSTRUCTION FOR AIR BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

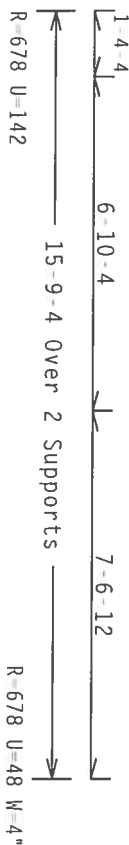
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|----------|----------|--------|-------------------|
| TC LL | 20.0 PSF | REF | R8228- 11185 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCSR8228 07354037 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53914 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDD8228Z01 |

110 mph wind, 10.00 ft mean hgt, ASCE 7-02, closed ring, not isolated 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 gcp(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



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

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

7.36.0424.13

QTY:1

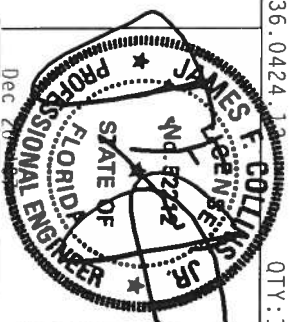
FL/-/4/-/E/-/-

Scale = .25"/Ft.

"WARNING" - TRIES BUILDING EXTERIOR CASE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO GC#1 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY FPI (FIRMS PANEL INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES THAT PROMOTE THRESHOLDING THESE OFFICIALS. UNLESS INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CEILING.

ITW Building Components Group, Inc.

ITW Building Components Group, Inc.
Haines City, FL 33844
F1 Certificate of Authorization # 007700



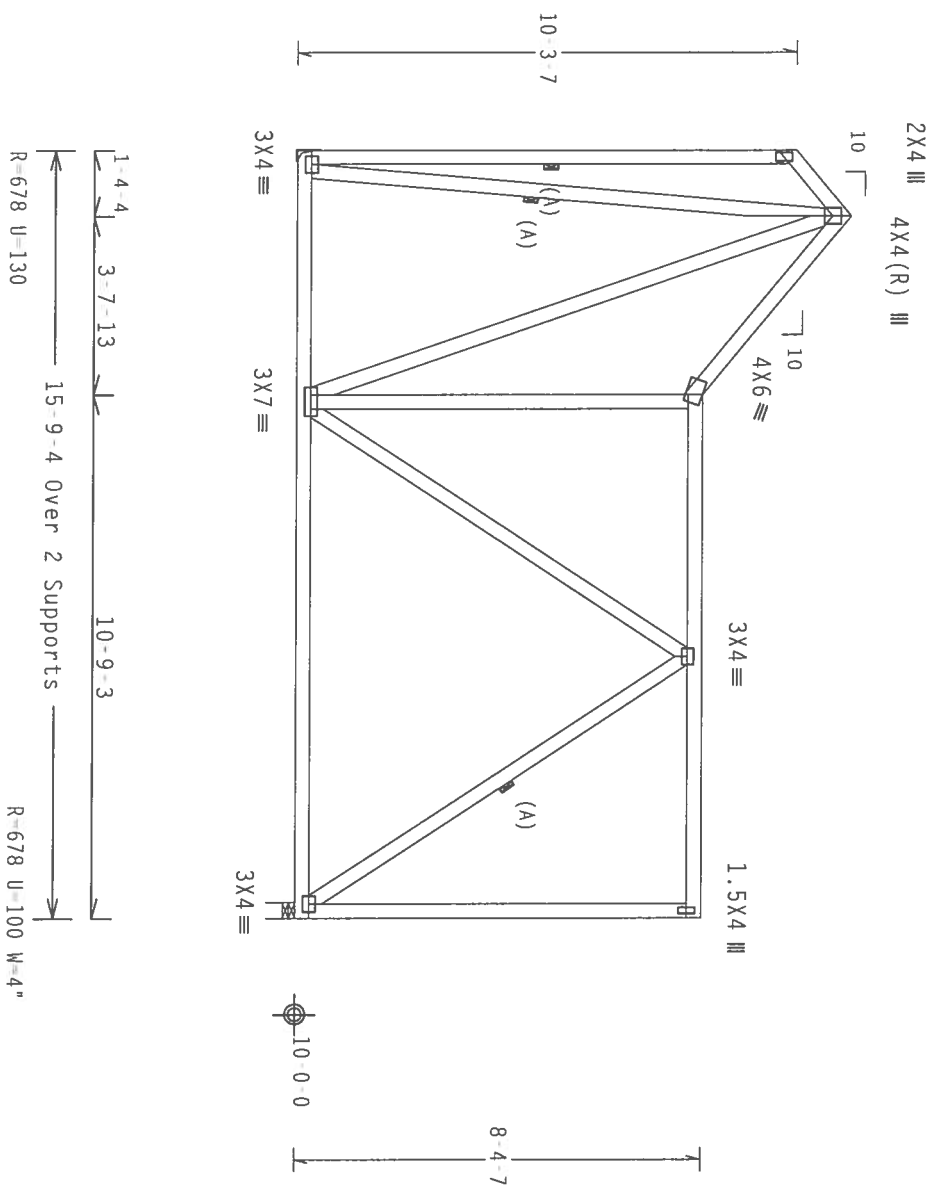
| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11187 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354045 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53924 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDG8228Z01 |

110 mph wind, 15.05 ft mean hgt, ASCE 7-02, CLUSTED DRUG, NOT LOCATED WITHIN 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 gcpi(+/-)=0.18

Wind reactions based on MIFRS pressures.

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

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



Design Cr1t: $TP1-2002(STD)/FBC$
 $Cq/RT=1.00(1.25)/0(0)$

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

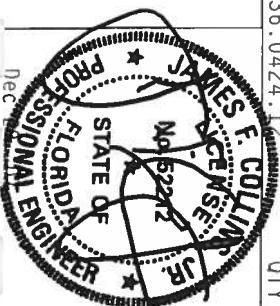
Scale = .25"/ft.

*****WARNING*****
*****FIRE'S RESISTANT FIBERGLASS FIBER CAME IN FABRICATION, HANDING, SHIPPING, INSTALLING AND BRACING. REFER TO GC#1 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY IFPI (FIBERS PASTIL INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND IFPIA (GOOD FIBERS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, ADDISON, TX, 75119) FOR SAFETY PRACTICES PRIOR TO MODIFICATION. THESE FIBERS, UNLESS OTHERWISE INDICATED FOR GROUND SHALL HAVE PROPERLY ATTACHED STANDARD PANELS AND BOTTOM GROUND SHALL HAVE PROPERLY ATTACHED FIELD CELLING.

ALPINE

ITW Building Components Group, Inc.

Final Evaluation of the Organization



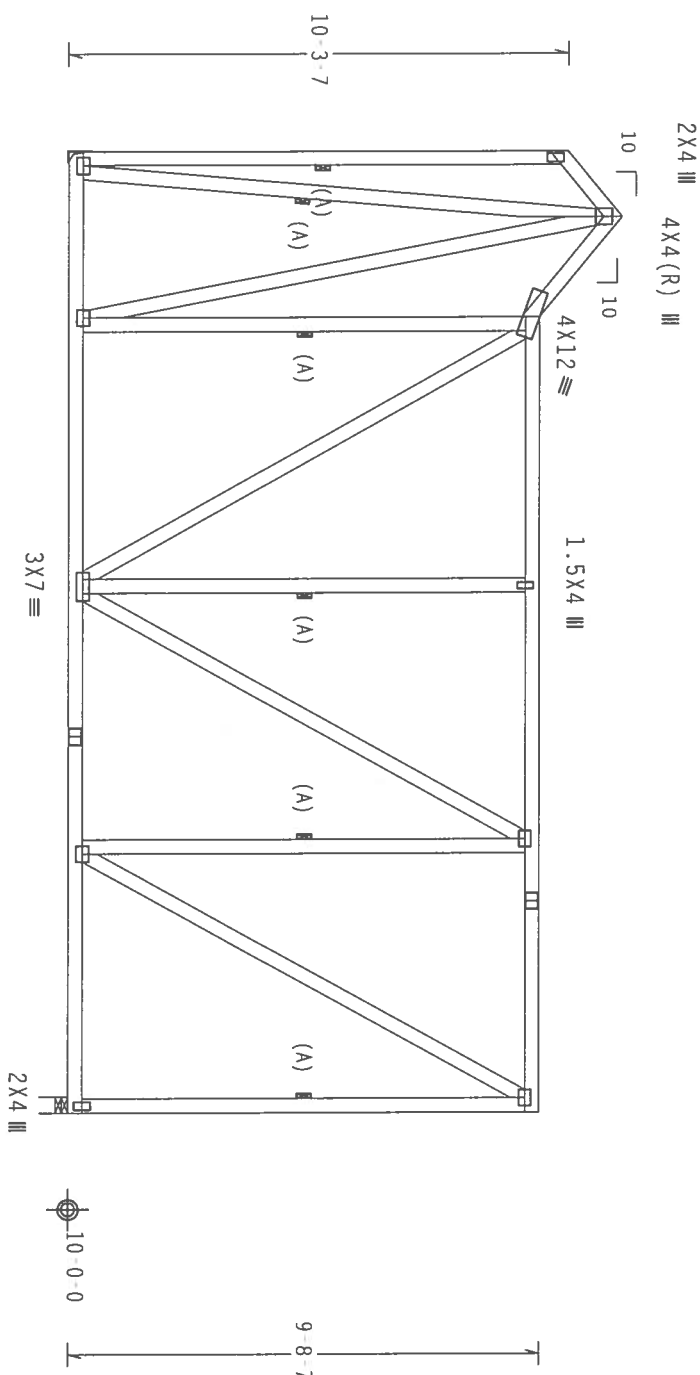
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| TC LL | 20.0 PSF | REF | R8228- 11189 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354041 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53934 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JRFF - | 1TDG8228Z01 |

110 mph wind, 20.30 lb medall sign, ASDC / VC, clustcu digu, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



1'-4" 4'-2" 0'-10" 16'-4"

19'-9" Over 2 Supports

R-850 U=147

R-850 U=152 W=4"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: $TPI-2002(STD)/FBC$

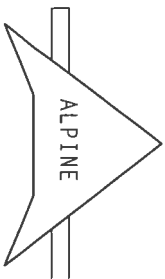
PLT TYP. Wave

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

7.36.0424 13

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

Scale = .25"/Ft.



ITW Building Components Group, Inc.
Haines City, FL 33844
Fluoride scale of A+ certification

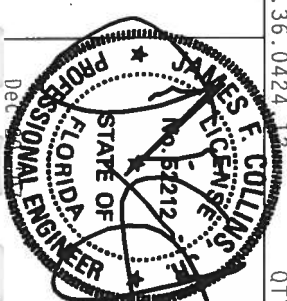
*****TAINING***** RISES, RESCUE, EXTREME CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING RIGS TO BECS (BUILDING COMPOH IN SITE SPEC INFORMATION). PUBLISHED BY TPI (TRESS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COMPANY) OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC AMERICAN DESIGN SPEC. (BY AIA/A) AND TPI.

CONNECTION PLATES ARE MADE OF 2018/1664 (W JUS5/S) ASTM A553 GRADE 40/60 (W K/JUS5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T004, 2 AND 3.

DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLICIT FOR THE TRUSS COMPARTMENT OF THE DESIGN. THE SUSTAINABILITY AND USE OF THIS CONSTRUCTION FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

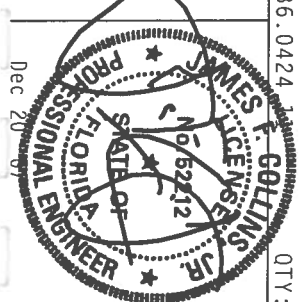
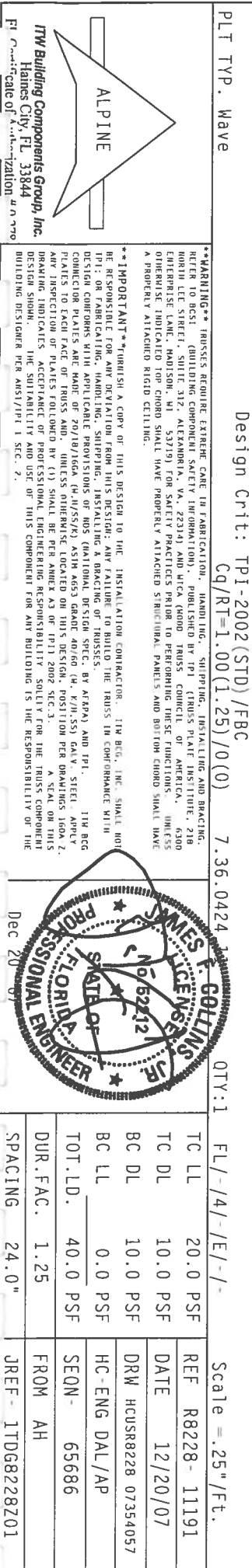


| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11190 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCSUR8228 07354047 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53947 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TD68228Z01 |

110 mph wind, 15.00 ft mean ngf, ASLE / UZ, CLUSEU diag, 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.

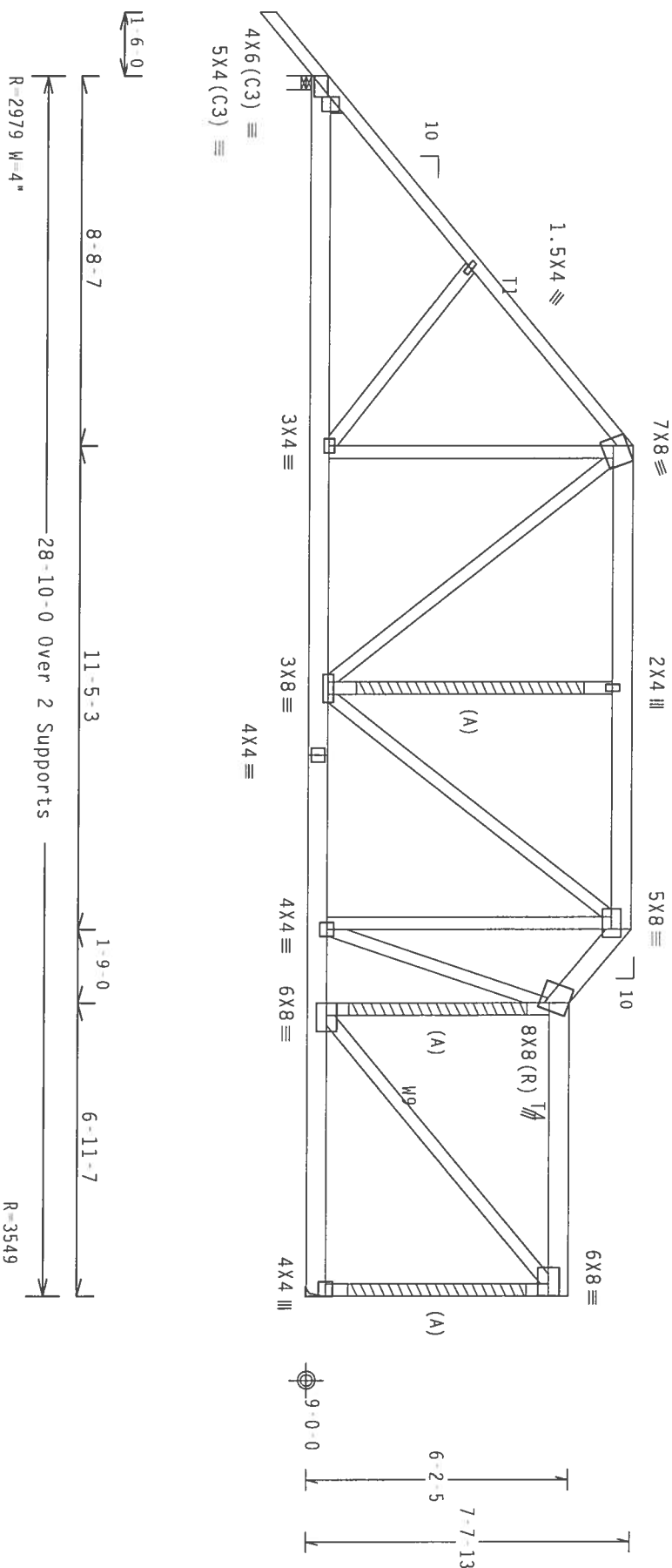
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



| | | | |
|----------------|----------|------------------|--------------------|
| FL/-/4/-/E/-/- | | Scale = .25"/ft. | |
| TC LL | 20.0 PSF | REF | R8228- 11191 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | H0USR8228 07354057 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP |
| TOT.LD. | 40.0 PSF | SEQN- | 65686 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDG8228Z01 |

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

Right end vertical not exposed to wind pressure.
In lieu of structural panels use purtins to brace
24" OC.



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

QTY: 1

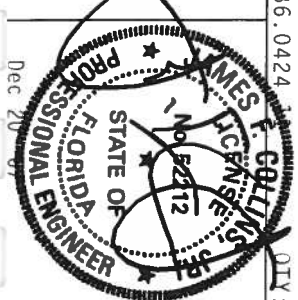
FL/141/E/1-1-

Scale = .25"/Ft.

WARNING - THESE REQUIREMENTS ARE IN FAMILIATION. HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO ACS1 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY PCI (FIBERS PLASTIC INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (MODERN TRUSS COMPANY OF AMERICA, 65000 ENTERPRISE LANE, SUITE 511, 511/19 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHORD PANELS.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 000700



| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11192 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354027 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP |
| TOT.LD. | 40.0 PSF | SEQN- | 65661 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228Z01 |

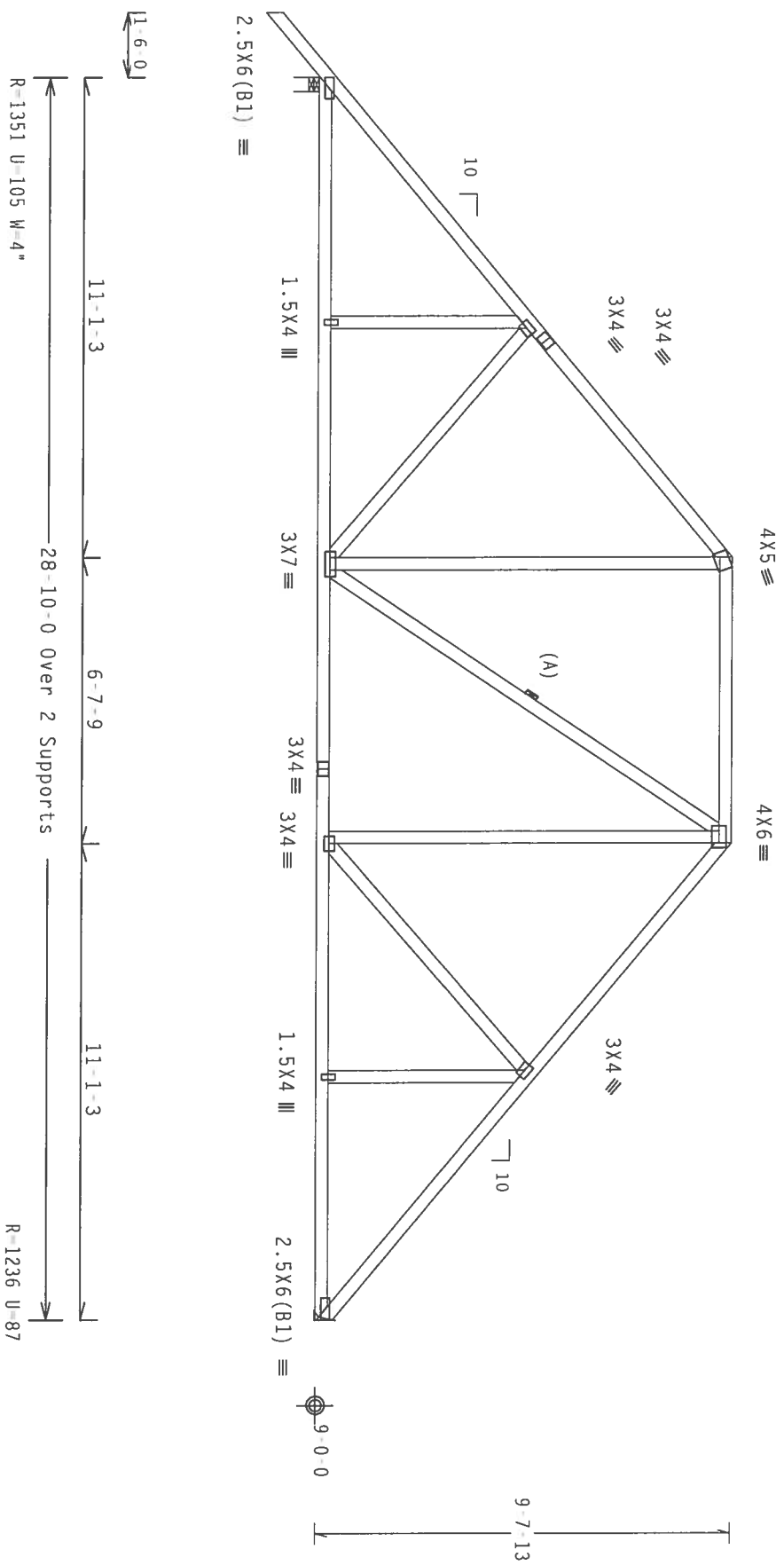
Top chord 2x4 SP #2 Dense
Webbs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

Live wind, 13.00 ft mean hgt, above roof, clused wind, 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 Gcpl(+/-)=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.



PLT TYP. Wave

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

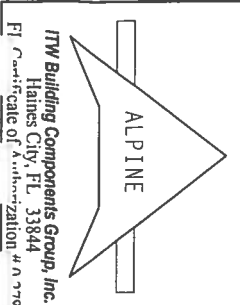
7.36.0424

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

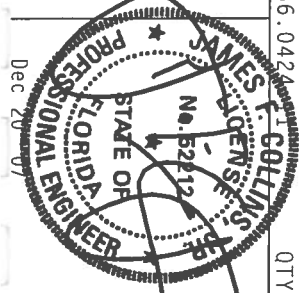
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

TRUSS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



ITW Building Components Group, Inc.
Haines City, FL 33844
Tel: 888-442-2222



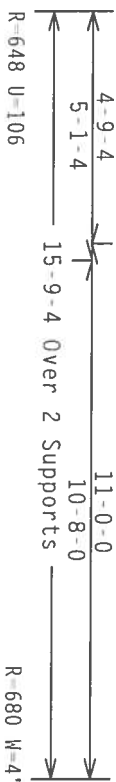
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| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228-07354043 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP |
| TOT.LD. | 40.0 PSF | SEON- | 65691 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1T068228Z01 |

live mph wind, 12.00 ft mean hgt, hgt / vc, closed wing, 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 MWRFS pressures.

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

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



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

Scale = .25"/Ft.

6.0424
QTY::

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


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

CONNECTOR PLATES ARE MADE OF 20/10/16GA (W, H, SS/K) ASTM A653 GRADE 40/60 (W, K/H, SS) GALV. STEEL. APPLY

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF PLANTS FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP112002 S.E.C.J. A SEAL ON THE

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

6.0424
QTY:



Dec 20 2007

| | | | |
|---------------|----------|------------------|--------------------|
| FL/-/4/-/E/-/ | | Scale = .25"/Ft. | |
| TC LL | 20.0 PSF | REF | R8228- 11194 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCU8R8228 07354026 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53897 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228Z01 |

1.10 mph wind, 13.00 ft medn rgl, ASCE 7-02, CLUSTD diag, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 gcpi(+/-)-0.18

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

Wind reactions based on MFRS 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.


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

7.36.0424:11

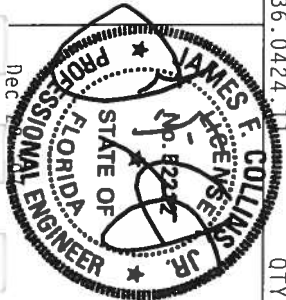
QTY:1

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

Scale = .25"/Ft.

WARNING: *PRIORS (BIDDING EXHIBIT CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BCST (BUILDING COMPONENT SAFETY IN ORIENTATION), PUBLISHED BY TPI (TRESS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) FOR SAFETY AND PROTECTIVE FUNCTIONS OF AMERICA, 6000 ENTERPRISE LANE, HUNTSVILLE, AL 35719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIDGE CEILING.

ITW Building Components Group, Inc.
Haines City, FL 33844
El Certificate of Authorization #00000000



| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11196 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354056 |
| BC LL | 0.0 PSF | HC-ENG | EC/DLJ * |
| TOT.LD. | 40.0 PSF | SEQN- | 25739 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JRFF - | 1TDG8228201 |

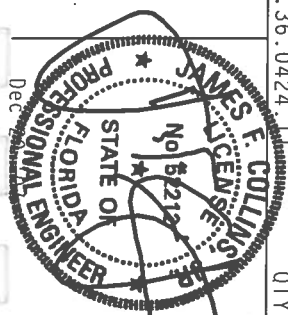
11.0 mph wind, 15.00 ft mean hgt, ASLE / U2, CLUSTED diag, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)=0.18

Wind reactions based on MWRFS pressures.

Right end vertical not exposed to wind pressure.

```
##1 hip supports 8-8-7 jacks with no webs.
```

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



Design Crit: $TP1-2002(STD)/FBC$
 $Cq/RT=1.00(1.25)/0(0)$

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

7.36.0424.11

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

Scale = .3125"/Ft.

*****WARNING***** FRAMES BEHIND EXHIBIT CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO OCEI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE STEEL INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AISC (STEEL FRAMES COUNCIL OF AMERICA, 6500 CENTERFEE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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FJ Certificate of Authorization # 00760

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF 105 NATIONAL DESIGN SPEC. (BY AREA) AND 101 CONNECTION PLATES AND MOM. OF 20/18/16GA (H/H/55/2) ASH A653 GRADE 40/60 (H K/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF THUSMS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF 1011 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENTS OF DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/101 1 SEC. 2.

Dec

| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11197 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354065 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP |
| TOT.LD. | 40.0 PSF | SEON- | 65708 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDG8228Z01 |

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

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

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

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

Live wind, 13.00 ft mean height, ASCE 7-02, CLUSTED diag, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MFRS pressures.

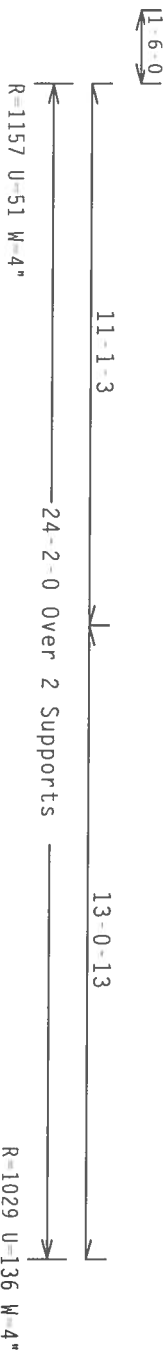
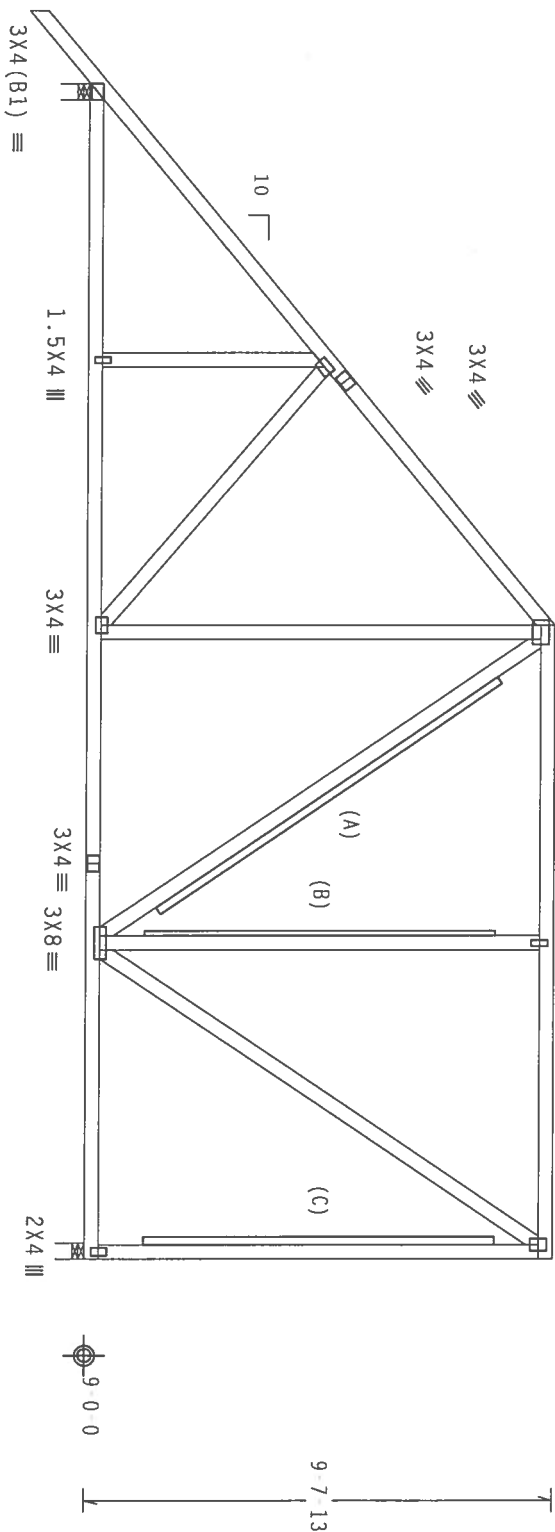
Right end vertical not exposed to wind pressure.

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

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

1.5X4

3X4(R)



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

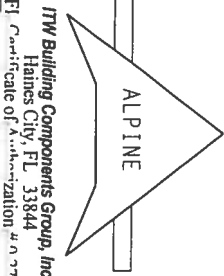
Cq/RT=1.00(1.25)/0.00

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

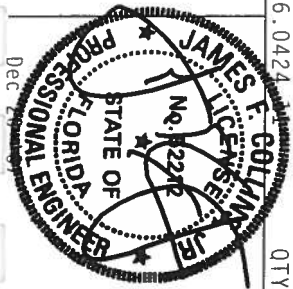
Scale = .25"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH ILL. STREET, SUITE 312, ALEXANDRIA, VA. 22314 AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



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Haines City, FL 33844
Pj Certificate of Authorization



| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11198 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354070 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP |
| TOT.LD. | 40.0 PSF | SEON- | 65718 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF | 1TDG8228Z01 |

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

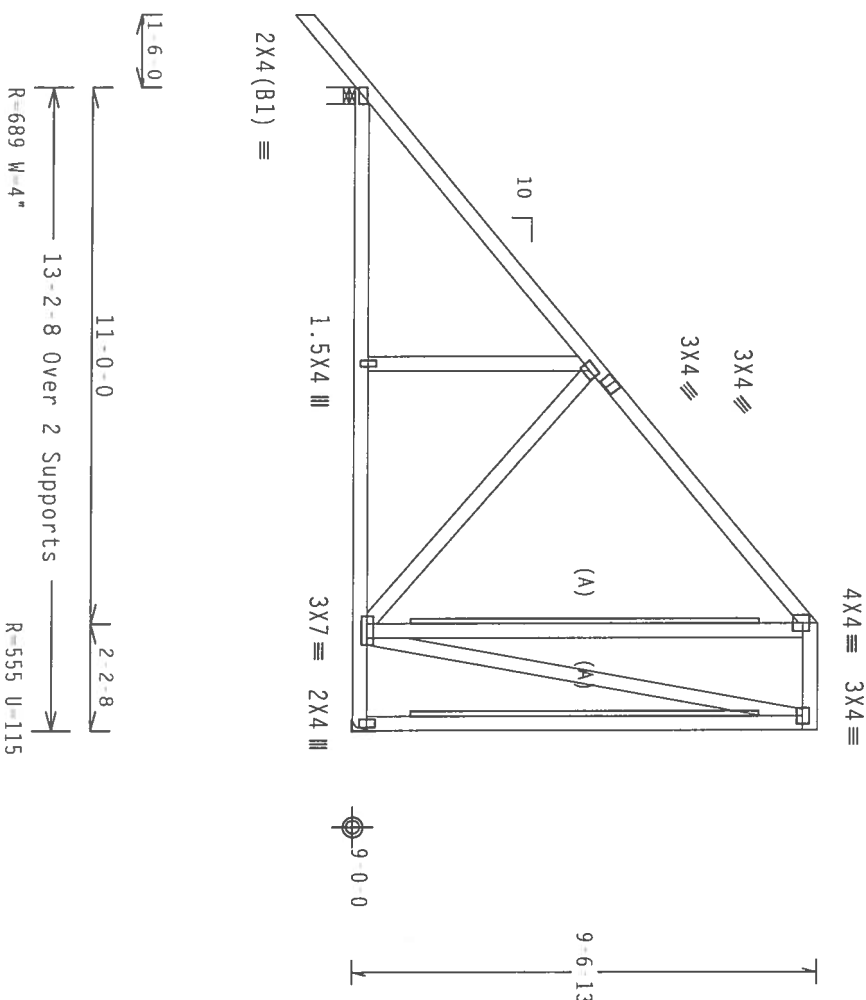
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Wind reactions based on MMFRS pressures.

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

$$C_q/RT=1.00(1.25)/0(0)$$

7.36.0424.11

QTY:1

FL/14/E/-

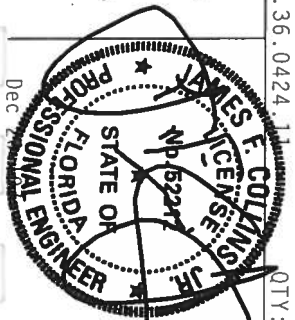
Scale = .25"/Ft.

WARNING: ALL FRAMES REQUIRE EXISTENT CALE IN FABRICATION, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING CONSTRUCTION SAFETY INFORMATION), PUBLISHED BY THE (FURNACE INSTALLATION), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 63600 ENTERPRISE LANE, MOUNTAIN, NH, 53119) FOR SAFETY PRACTICES AND TO TRANSFER THESE CONDITIONS. UNDESSED CHORDS INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRACING.

ALPINE

ITW Building Components Group, Inc.

Final rate of assimilation 4000



| FL/-/4/-/E/-/- | | Scale = .25"/Ft. |
|----------------|----------|-----------------------|
| TC LL | 20.0 PSF | REF R8228 - 11199 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCU8R8228 0734023 |
| BC LL | 0.0 PSF | HC-ENG EC/DLJ |
| TOT.LD. | 40.0 PSF | SEQN - 25679 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF - 1TD68228Z01 |

2 COMPLETE IRUSSES REQUIRED
Nailing Schedule: (12d Common (0.148"x3.25",

(LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)

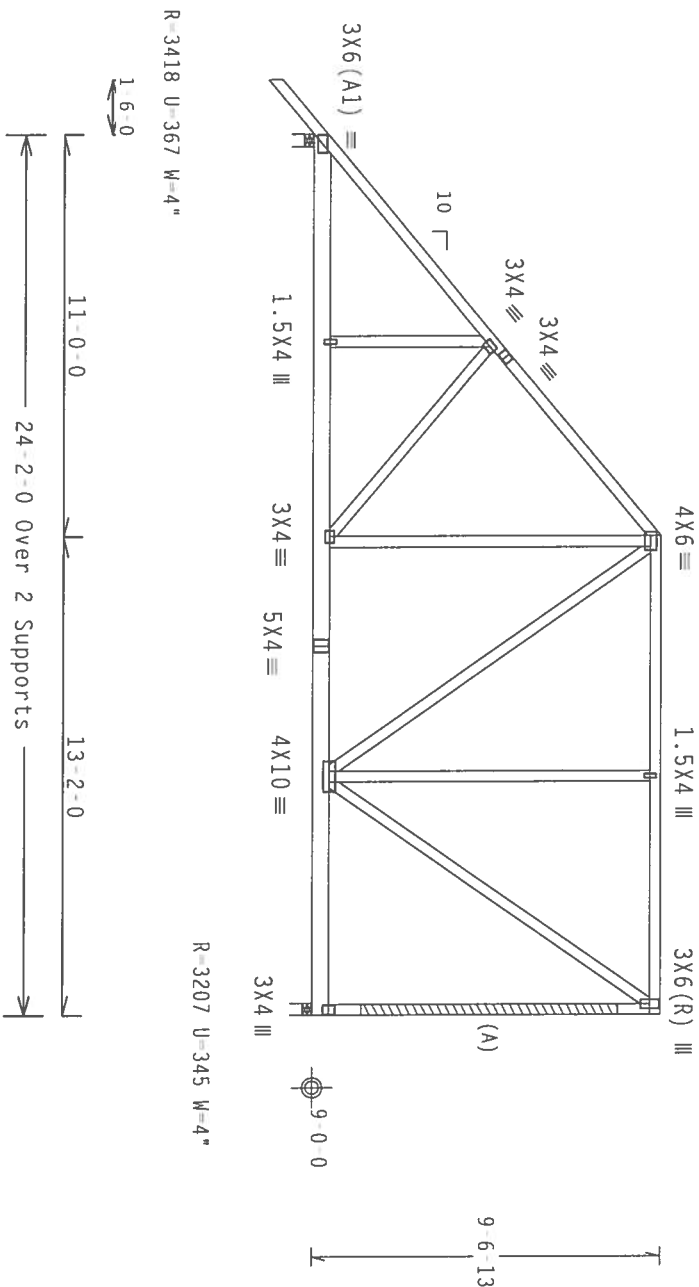
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 5.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 gcpi(+/-)0.18

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

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 60.0" OC maximum.

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



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

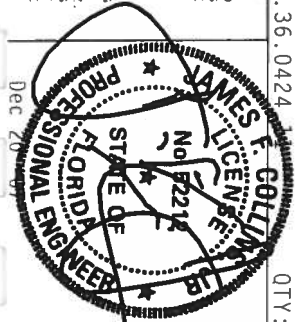
7.36.0424 QTY:1 FL/-/4/-/E/-/-

Scale = .1875"/Ft.

WARNING—FIBRES REQUIRE EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY IP1 (FIBRES PLASTIC INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AFCA (GOOD TREES COUNCIL OF AMERICA, 65000 CLEVELAND AVE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CORDS.

ALPINE

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Haines City, FL 33844
FI Certificate of Authorization # 00799

[illegible]

| | | |
|------------------|----------|-----------------------|
| 1 FL / 4 - E / - | | Scale = .1875 "/ Ft. |
| TC LL | 20.0 PSF | REF R8228 - 11201 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 0734030 |
| BC LL | 0.0 PSF | HC-ENG EC/DLJ |
| TOT.LD. | 40.0 PSF | SEON - 25734 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 60.0" | JREF - 1TDG8228201 |

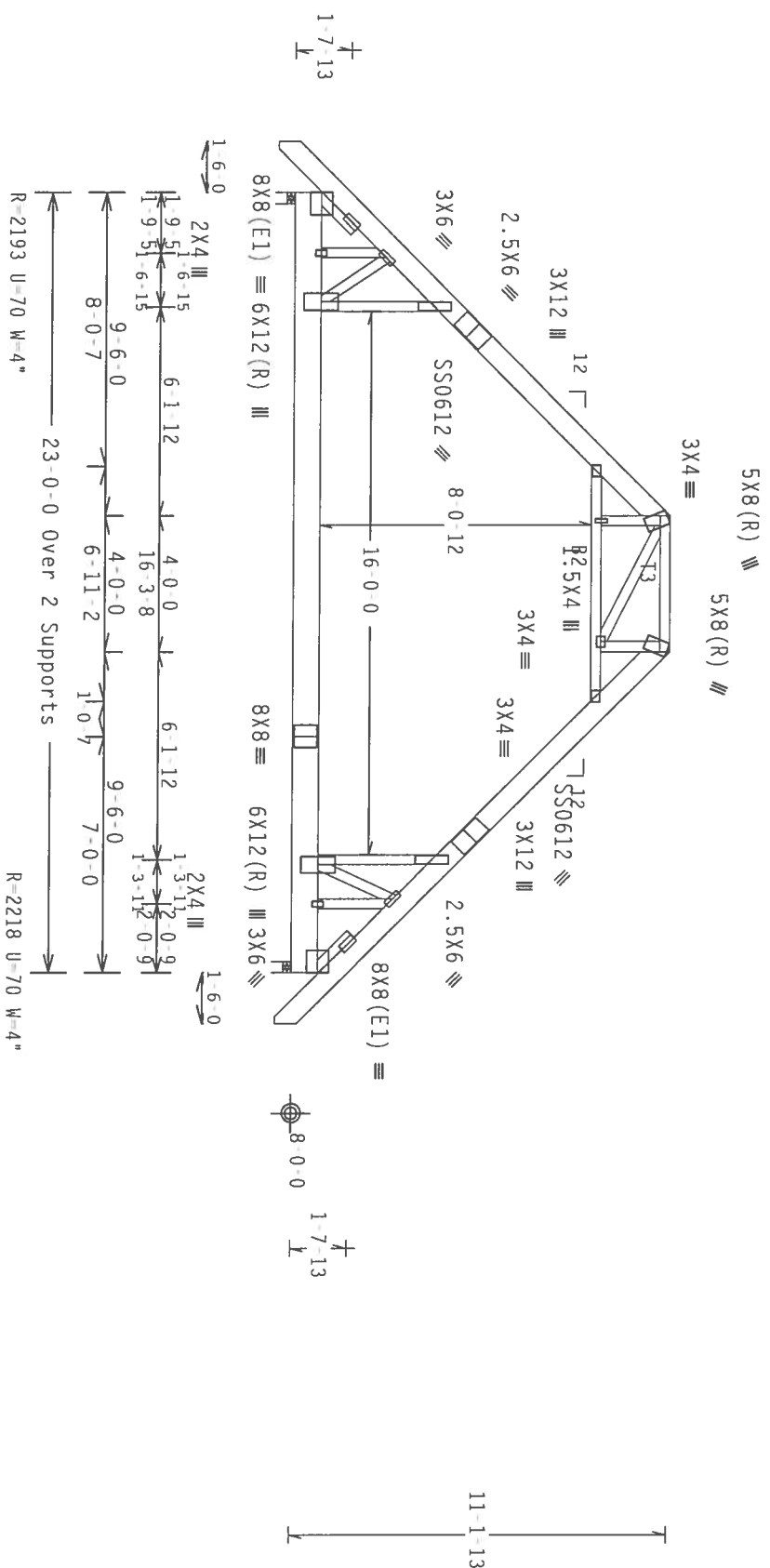
Top chord 2x10 SP SS :B2 2x4 SP #2 Dense:
 Webs 2x4 SP #3
 :Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
 :Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Calculated horizontal deflection is 0.16" due to live load and 0.28" due to dead load.

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

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

Live wind, 15.00 ft mean height, ASCE 7-02, ULSU D10g, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)=0.18
 Wind reactions based on MFRS pressures.
 In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
 BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 3-6-0 to 19-9-8.



PLT TYP. 18 Gauge HS, Wave

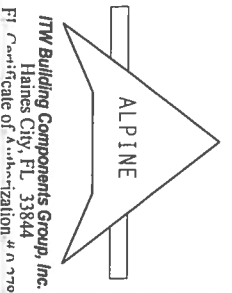
Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0)

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

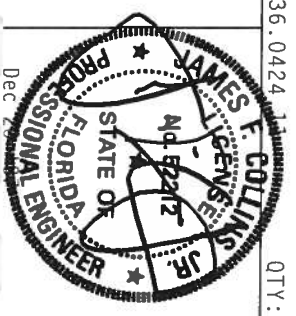
Scale = .1875" / Ft.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TITW BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF THE TRUSS IN COMPLIANCE WITH DESIGN CONSTRUCTION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



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 Haines City, FL 33844
 P1 Certificate of Authorization #A-179



| TC LL | 20.0 PSF | REF | R8228- 11202 |
|-----------|----------|--------|--------------------|
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354003 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF |
| TOT. LD. | 40.0 PSF | SEON- | 25970 |
| DUR. FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 11D68228Z01 |

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:RT Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

```

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 TC @ 24" OC.



Scale = .1875"/Ft.

| | | | |
|----------------|----------|--------------------|--------------|
| FL/-/4/-/E/-/- | | Scale = .1875"/Ft. | |
| TC LL | 20.0 PSF | REF | R8228- 11203 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |

BC DL 10.0 PSF | DRW HCUSR8228 07354004


| BC LL | 0.0 PSF | HC-ENG DF/DF |
|-------|---------|--------------|
|-------|---------|--------------|

| | |
|--------|----------|
| TOT ID | 40 0 BCE |
| SEAN | 3E0EE |

| | | | |
|---------|----------|-------|-------|
| 101:ED. | 40:0 PSI | SEUN- | 23903 |
|---------|----------|-------|-------|

| | | | |
|-----------|------|------|----|
| DUR. FAC. | 1.25 | FROM | AM |
|-----------|------|------|----|

SPACING 24.0" JREF - 1TDG8228Z01



| FL/-/4/-/E/-/- | | Scale = .1875"/ft. |
|----------------|----------|------------------------|
| TC LL | 20.0 PSF | REF R8228- 11203 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07354004 |
| BC LL | 0.0 PSF | HC-ENG DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- 25965 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREFE- 1TD68228701 |


```

weds_2x4 sp #3
:lt slider 2x4 sp #3: BLOCK LENGTH = 1.500'
:Rt slider 2x4 sp #3: BLOCK LENGTH = 1.500'

```

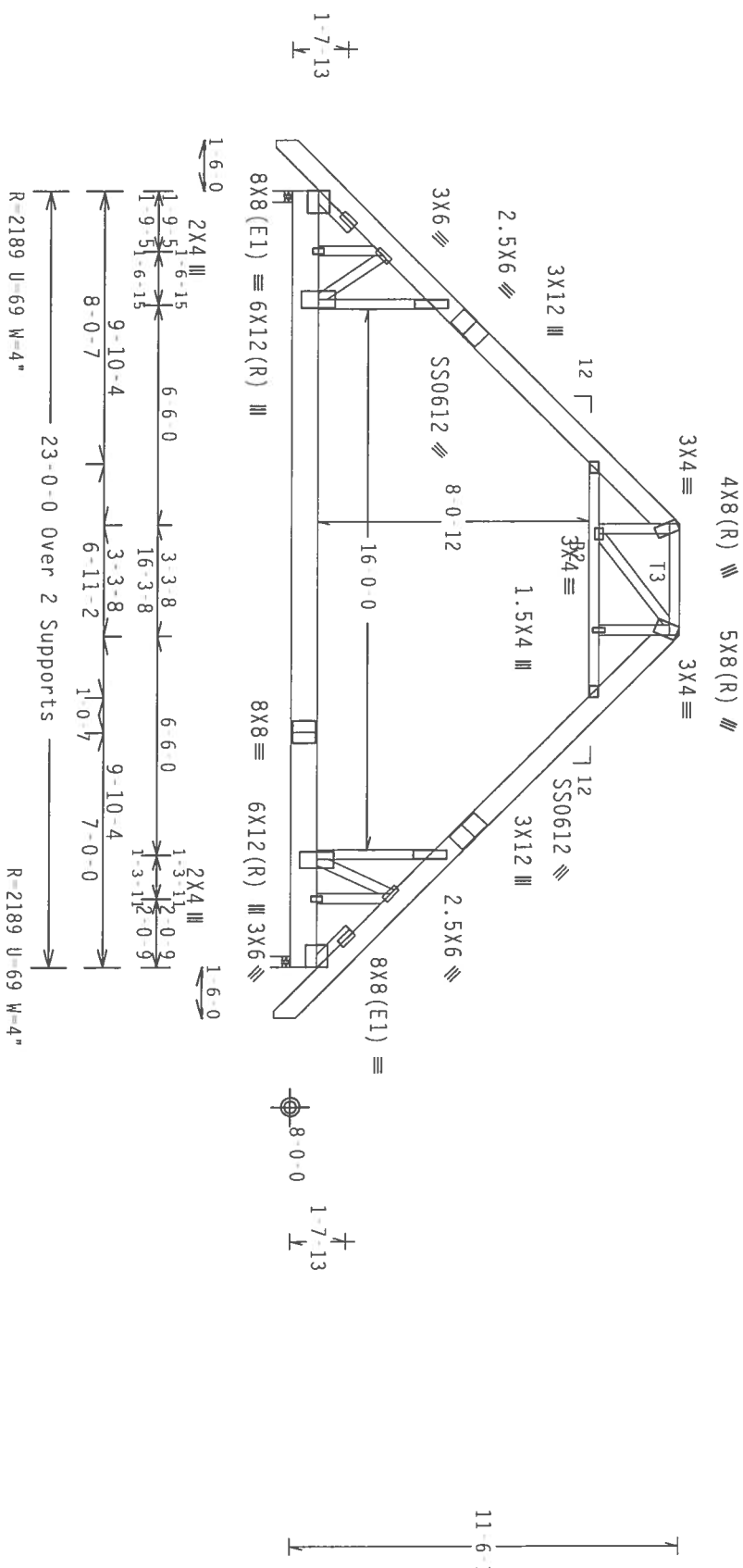
Collar-tie braced with continuous lateral bracing at 24" OC. on rigid ceiling.

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

Wind reactions based on MWFRS pressures.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 3-6-0 to 19-6-0.



PLT TYP. 18 Gauge HS, Wave

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

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

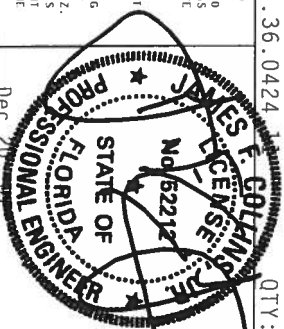
Scale = .1875"/ft.

*****WARNING***** FIBERS (INCLUDING EXISTENT CASE IN FABRICATION), HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO AISC1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY ISI (FIBERS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AISC (GOOD TRAINING COUNCIL OF AMERICA, 6500 INTERSTATE LAKE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR GROUND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRIDG CLELLING.

ALPINE

ITW Building Components Group, Inc.

FJ scale of individualization



| | | | |
|----------|----------|--------|-------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11205 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 0734006 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF |
| TOT.LD. | 40.0 PSF | SEQN - | 25975 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JRFF - | 1TD68228Z01 |

TOP CHORD 2X8 SP #1 Dense;
:T4 2x8 SP #1 Dense;
Bot chord 2x10 SP SS
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 3-6-0 to 19-6-0.

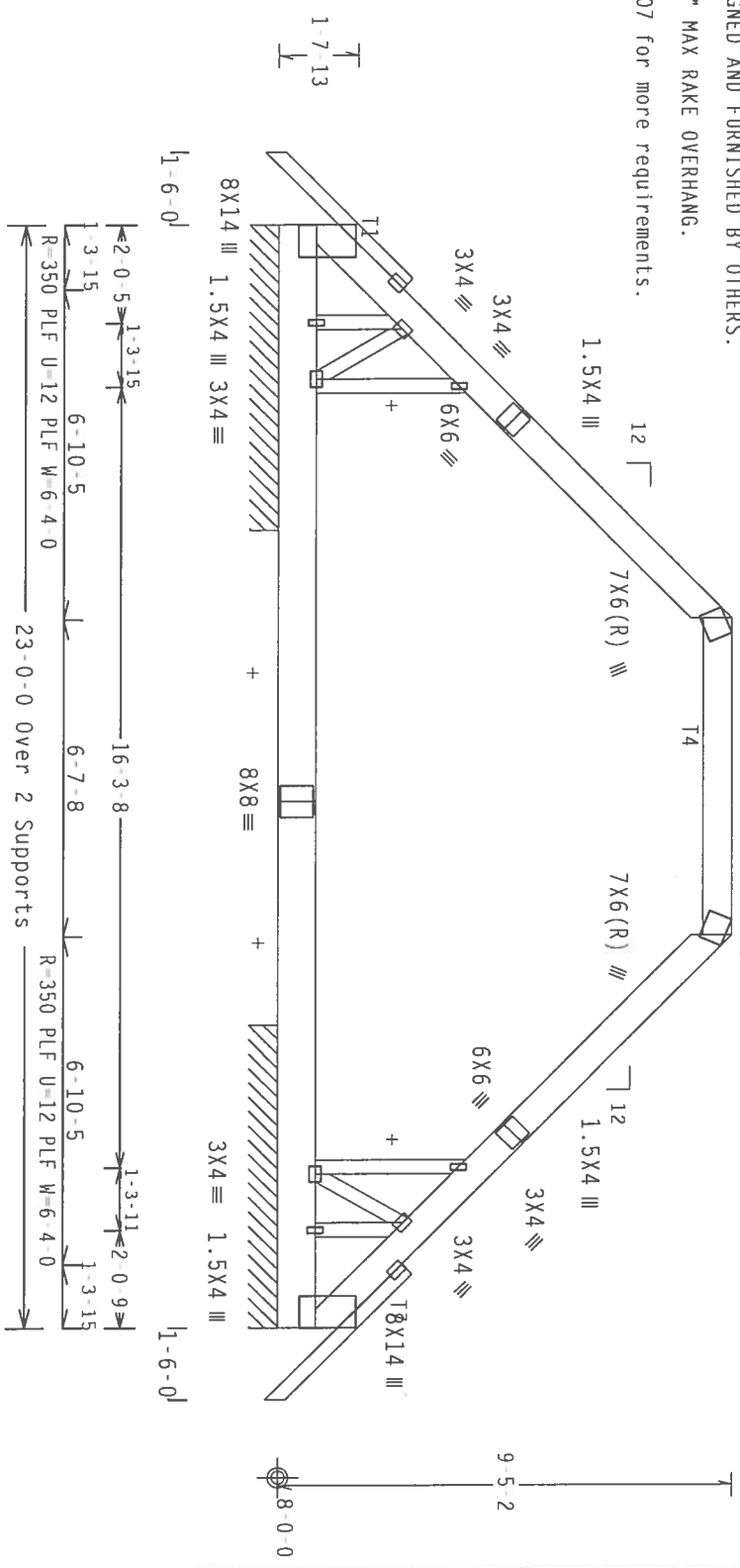
Wind reactions based on MMFRS pressures.
Collar tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF, FLOOR AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS, DIAPHRAGMS AND SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.

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

GABLE END IS DESIGNED TO SUPPORT 8" MAX RAKE OVERHANG.

See DWGS A11015E0207 & GBLLETIN0207 for more requirements.

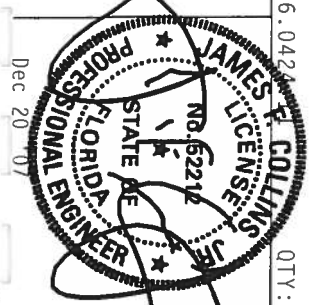


PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0)

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



ITW Building Components Group, Inc.
Haines City, FL 33844
FJ Certificate of Authorization



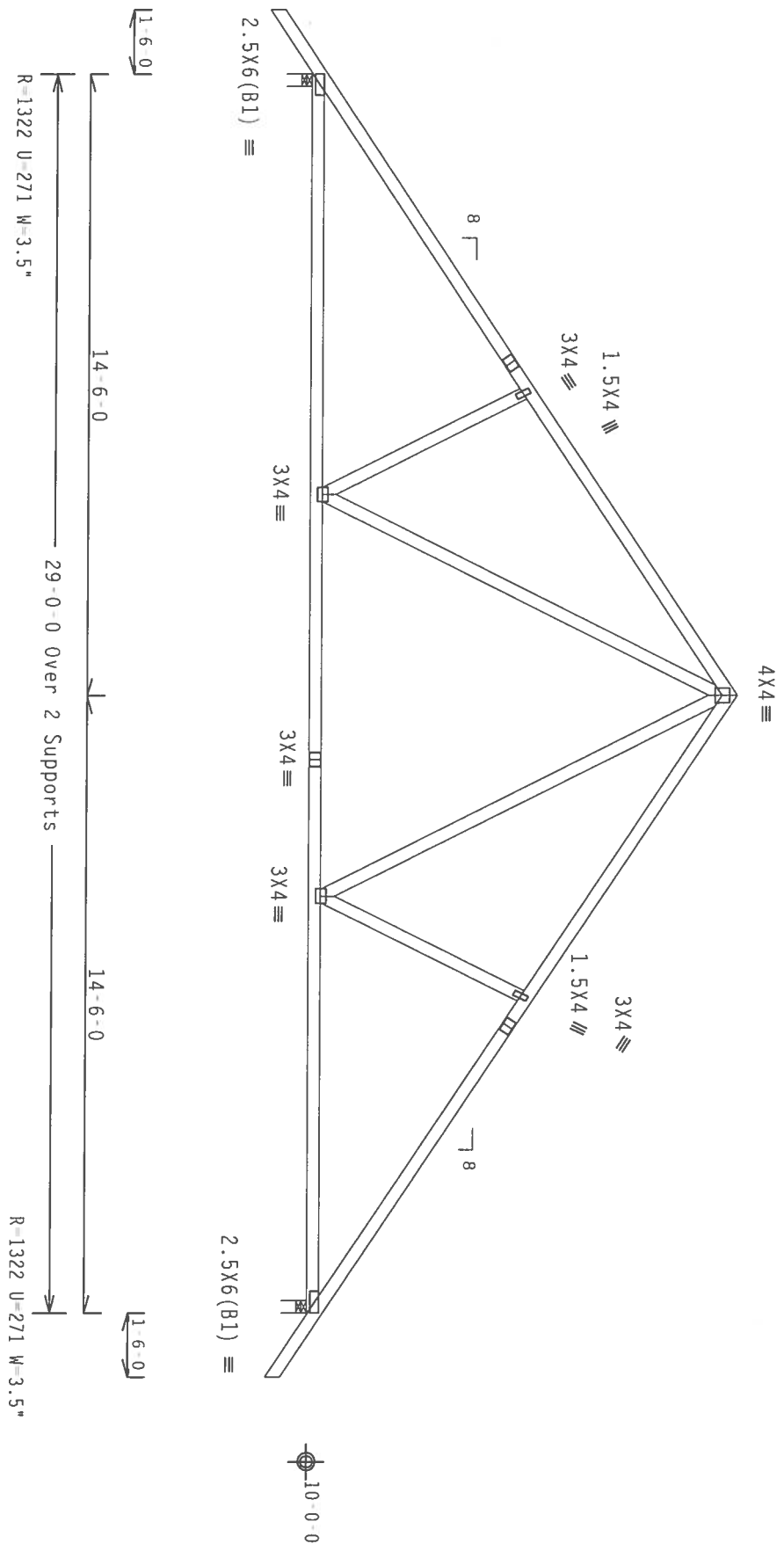
| QTY:1 | | FL/-/4/-/E/-/- | | Scale = .25"/ft. | |
|----------|----------|----------------|--------------------|------------------|--|
| TC LL | 20.0 PSF | REF | R8228- 11206 | | |
| TC DL | 10.0 PSF | DATE | 12/20/07 | | |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354024 | | |
| BC LL | 0.0 PSF | HC-ENG | DF/DF | | |
| TOT.LD. | 40.0 PSF | SEON- | 25948 | | |
| DUR.FAC. | 1.25 | FROM | AH | | |
| SPACING | 24.0" | JREF- | 1TDG8228Z01 | | |

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

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

Live wind, 13.00 ft median height, ASCE 7-02, Part 1, Exp. B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCPI(+/-)=0.55

Wind reactions based on MFRS pressures.



PLT TYP. Wave

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

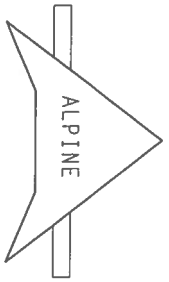
QTY: 1

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

Scale = .25"/ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



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Haines City, FL 33844
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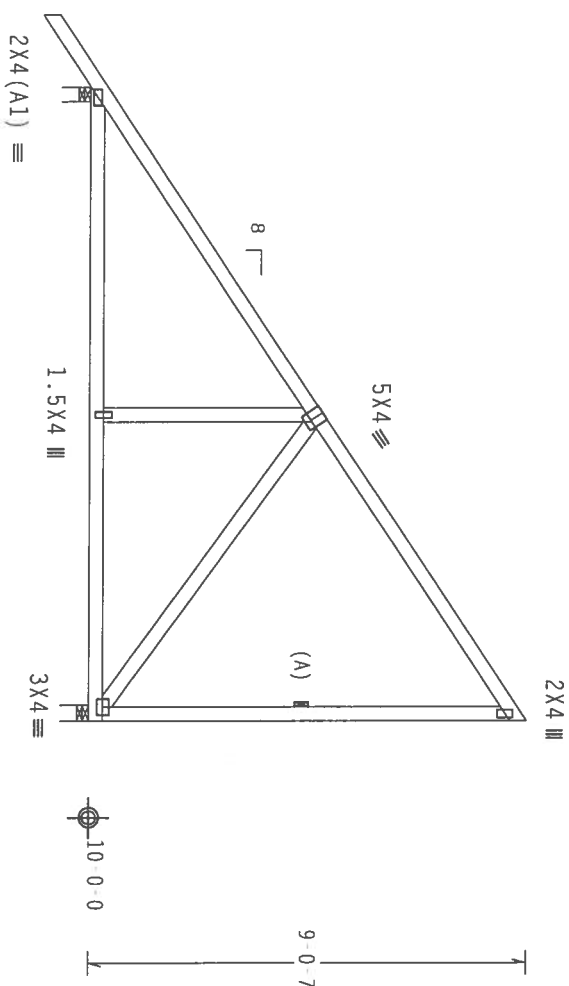


| TC LL | 20.0 PSF | REF R8228 - 11207 |
|-----------|----------|-----------------------|
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUR8228 07354016 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK * |
| TOT. LD. | 40.0 PSF | SEQN- 53352 |
| DUR. FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF - 1TDG8228Z01 |

110 mph wind, 13.00 ft mean rgl, ASCE 7-02, PAKI_ENC, DIAG, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCPI (+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.


$$\sqrt{11601}$$

R=663 U=64 W=3.5"

R=533 U=180 W=4^m

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424 13 QTY:1

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

Scale = .25"/Ft.

WARNING: THESE BUILDING COMPONENTS EXISTED IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING REFER TO SC-51 (INCLUDING REQUIREMENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WOOD TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI, 53719 FOR SAFETY PRECAUTIONS IN PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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Haines City, FL 33844
FL Certificate of Authorization #00000000



| | | | |
|-----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11208 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354042 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK * |
| TOT. LD. | 40.0 PSF | SEQN - | 53359 |
| DUR. FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TD68228201 |

2 COMPLETE TRUSSES REQUIRED
Nailing Schedule: (12d Common @ 0.148"x3.25")

| | | | |
|------------|-------|---------|--------|
| Top Chord: | 1 Row | @12.00" | 0.c.c. |
| Bot Chord: | 1 Row | @12.00" | 0.c.c. |

Weds : 1 row @ 4" o.c.

in each row to avoid splitting.

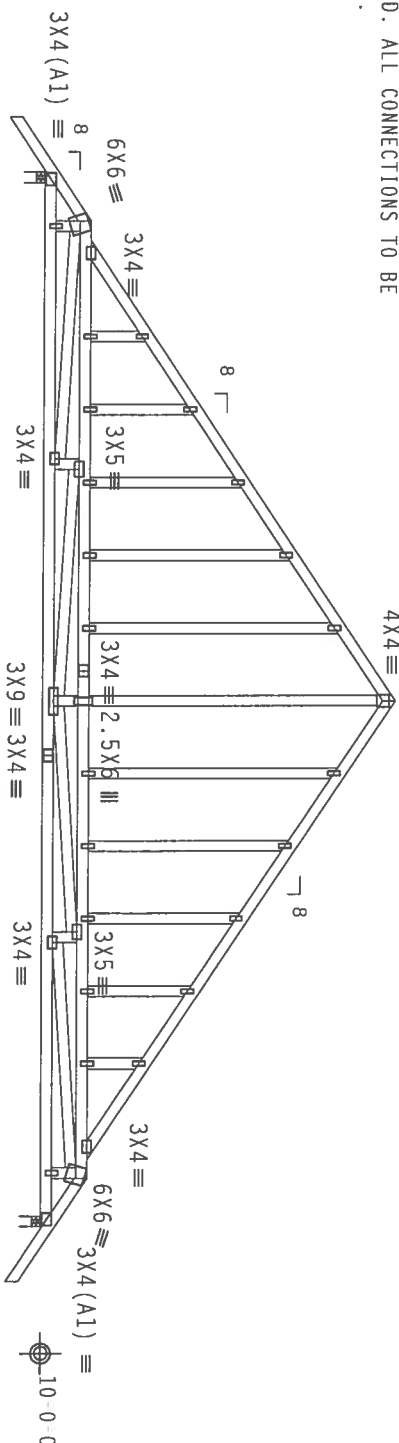
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

Truss spaced at 24.0" OC designed to support 100 top chord
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must
not be cut or notched.

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

SEE DWGS A11015EE0207, GBLENTIN0207, & GBLBRSTD0207 FOR ADDITIONAL REQUIREMENTS.



R=1843 U=410 W=3.5"

29-0-0 Over 2 Supports

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

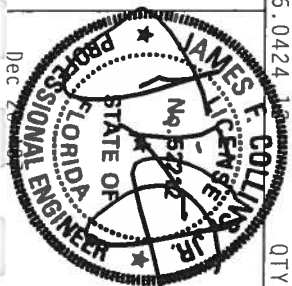
QTY:1 FL/-/4/-/E/-/-

Scale = .1875"/Ft.

WARNING THESE REINFORCED CONCRETE JANE IN FABRICATION, HANDLING, UNLOADING, INSTALLING AND BRACING REFER TO 6051 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE (STRESS PAPER INSTITUTE, 218 NORTH HILL STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK AND WICK COMPANY OF AMERICA, 6100 ENTERPRISE LANE, HANDBOOK, #1, 52179) FOR THE PURPOSE OF PROVIDING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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Haines City, FL 33844
F1 Certificate of Authorization #00790



| | | | |
|----------|-----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11209 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354005 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53383 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | SEE ABOVE | JREF - | 1TDG8228Z01 |

110 mph wind, 13.00 l medn hgt, ASLT / VC, PAKI, ENT, DIAG, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 gcpi (+/-)=0.55

Wind reactions based on MMFRS pressures.

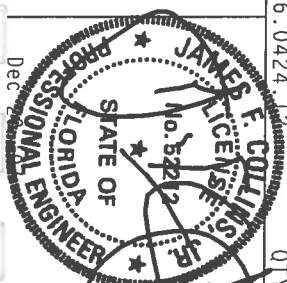

$$Cq/RT=1.00(1.25)/0(0)$$

QTY: 1

Scale = .5"/Ft.

ALPINE

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Haines City, FL 33844
FI Certificate of Authorization #00790



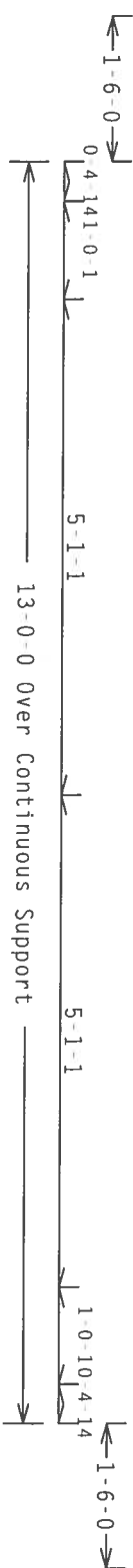
| FL/-/4/-/E/-/ | | Scale = .5"/ft. |
|---------------|----------|------------------------|
| TC LL | 20.0 PSF | REF R8228 - 11210 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCURR8228 07354015 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- 53137 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF - 1TDG8228Z01 |

anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.55

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.

SEE DWGS A11015EE0207, GBLLENTIN0207, & GBLBRSTD0207 FOR ADDITIONAL REQUIREMENTS.



Design Crit: TPI-2002(STD)/FBC

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

7.36.0424.12

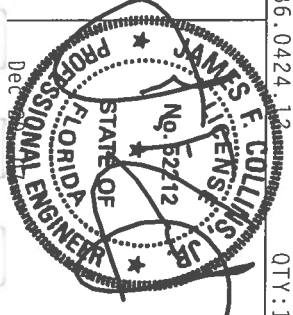
QTY:1 FL/-/4/-/E/-/-

Scale = .5"/Ft.

WARNING RISES, RIDE-UP, EXPOSED, CAUT, IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, TO BE DONE (BUILDING COMPOSITE SAFETY INFORMATION). PUBLISHED BY THE FRISCH PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (MODERN TRUSS) COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, HADISWY, VA 22119 FOR SAFETY PRACTICES, PRIOR TO REFORMING THESE FIBERS, UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID JOINTING.

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Haines City, FL 33844
FL Certificate of Authorization # 00379



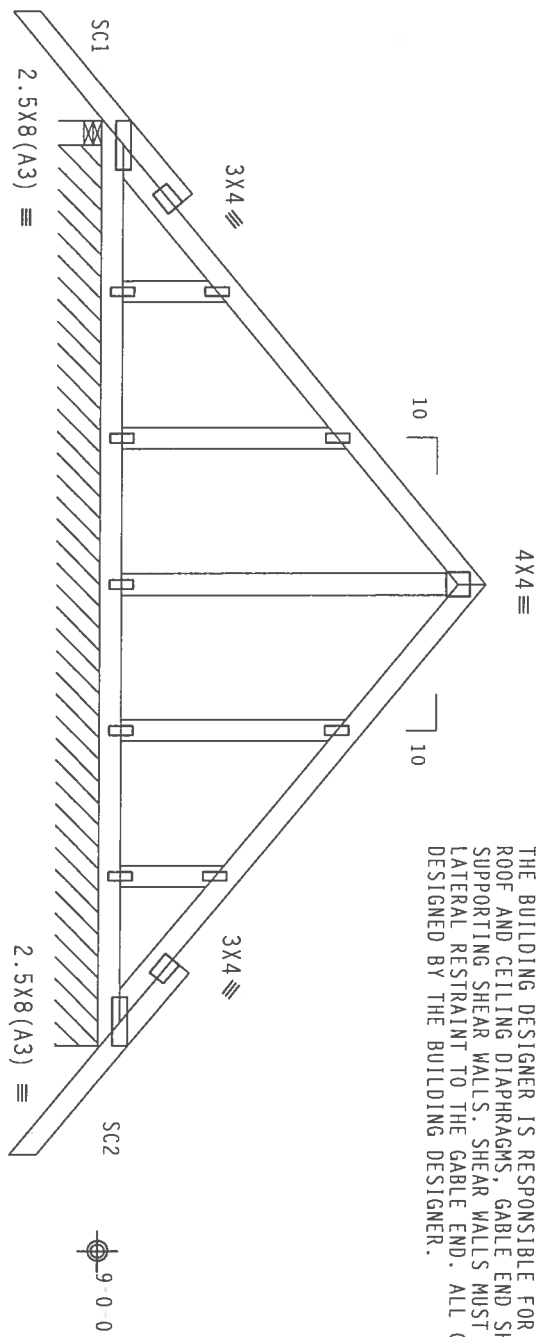
| | | | |
|----------|-----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11211 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354018 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53162 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | SEE ABOVE | JREF- | 1TDG8228201 |

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

Truss spaced at 24.0" OC designed to support 1.0-0 top chord
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must
not be cut or notched.

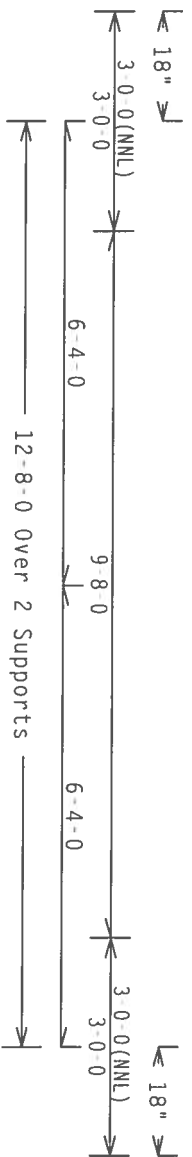
In lieu of structural panels use purlins to brace TC @ 24" OC.

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



THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE
ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND
SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS
LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE
DESIGNED BY THE BUILDING DESIGNER.

See DWGS A11015EE0207 & GBLETTIN0207 for more requirements.
Stacked top chord must NOT be notched or cut in area (NML). Dropped
top chord braced at 24" o.c. intervals. Attach stacked top chord (SC)
to dropped top chord in notched area using 3x4 tie plates 24" o.c.
Center plate on stacked/dropped chord interface, plate length
perpendicular to chord length. Splice top chord in notched area
using 3x6.



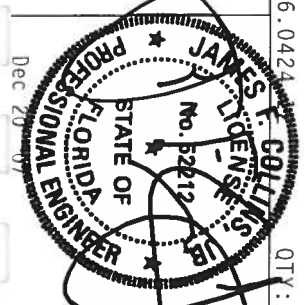
Note: All Plates Are 1.5X4 Except As Shown.
R-310 W=4"
R-110 PLF U=24 PLF W=12-4-0

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

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



ITW Building Components Group, Inc.
Haines City, FL 33844
TPI Certificate of Authorization #0790



| | | |
|----------|----------------|------------------------|
| OTV:1 | FL/-/4/-/E/-/- | Scale = .375" / Ft. |
| TC LL | 20.0 PSF | REF R8228- 11212 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07354006 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK |
| TOT.LD. | 40.0 PSF | SEON- 53211 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | SEE ABOVE | UREF- 1TDG8228Z01 |

2 COMPLETE KRSSES REQUIRED
Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)

Bot Chord: 1 Row @ 4.00" o.c.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 1, 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.

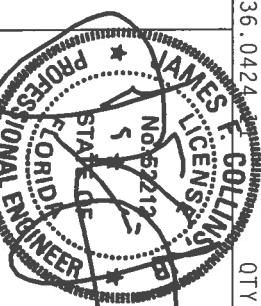


Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

Scale = .375"/Ft.

OTHERWISE INDICATED TOP CHORD SHALL
A PROPERLY ATTACHED RIGID CEILING.

ALPINE

[illegible]

| | |
|------------|--------------------|
| FL/-4/-E/- | Scale = .375"/ft. |
| TC LL | 20.0 PSF |
| TC DL | 10.0 PSF |
| BC DL | 10.0 PSF |
| BC LL | 0.0 PSF |
| TOT.LD. | 40.0 PSF |
| DUR.FAC. | 1.25 |
| SPACING | 24.0" |
| REF | R8228- 11213 |
| DATE | 12/20/07 |
| DRW | HCUSR8228 07354013 |
| HC-ENG | DAL/AP |
| SEQN- | 65676 |
| FROM | AH |
| JREF | 1TDG8228Z01 |

2 COMPLETE RUSSSES REQUIRED
Nailing Schedule: (12d Common (0.148"x3.25",

Nailing Schedule: (12d Common (0.148"x3.25", min.)_nails)

| | | | | | |
|-----|--------|---|-----|---------|-----|
| Top | Chord: | 1 | Row | @12.00" | 0.0 |
| Bot | Chord: | 1 | Row | @12.00" | 0.0 |

Welds : 1 Row @ 4" O.C.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.28" due to live load and 0.49" due to dead load.

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

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



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

7.36.0424

QTY: 1

FL/14/1E/1-

Scale = .375"/Ft.

WARNING: THESE RESISTOR CANNOT BE FABRICATED, HANDLED, SHIPPING, INSTALLING AND BRANDING, REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE CRISIS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NICA (NORTH TRIANGLE COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, ANDOVER, MA, 01919) FOR SAFETY PRACTICES PRIOR TO REPAIRING THESE COMPONENTS. UNLESS OTHERWISE INDICATED THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIBBON CLEANSING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AASPA) AND TPI. ITM BCC

CONNECTOR PLATES ARE MADE OF 20/18/16GA (H.H/SS/K) ASTM A653 GRADE 40/50 (H. K/H.SS) GALV. STEEL. APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A &

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11 2002 SEC.3. A SEAL ON THIS

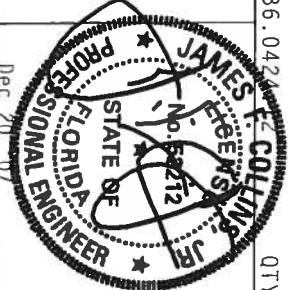
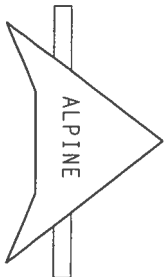
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER ANSI/TP11 SEC. 2.

Figure 1

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Haines City, FL 33844
FI Certificate of Authorization # 0376



| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11214 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354029 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53835 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDG8228Z01 |

2 COMPLETE TRUSSES REQUIRED

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical not exposed to wind pressure.

Right end vertical not exposed to wind pressure.

Right end vertical not exposed to wind pressure.

Right end vertical not exposed to wind pressure.



Scale = .3125"/Ft.

| | | | |
|-------|----------|------|--------------|
| TC LL | 20.0 PSF | REF | R8228- 11215 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |

[illegible]

| DC LL | 0.0 FST | MC-ENG WPK/WPK |
|-------|---------|----------------|
|-------|---------|----------------|

| | | | |
|---------|----------|-------|-------|
| 101.LD. | 40.0 PSF | SEON- | 53847 |
|---------|----------|-------|-------|

DIB EAC 1 25 EBDW AH

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| FL/-/4/-/E/-/- | | Scale = .3125"/Ft. |
|----------------|----------|-----------------------|
| TC LL | 20.0 PSF | REF R8228- 11215 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUR8228 07354031 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK |
| TOT.LD. | 40.0 PSF | SEON- 53841 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TUG8228Z01 |

| FL/-/4/-/E/-/- | | Scale = .3125"/Ft. |
|----------------|----------|-----------------------|
| TC LL | 20.0 PSF | REF R8228- 11215 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUR8228 07354031 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK |
| TOT.LD. | 40.0 PSF | SEON- 53841 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TUG8228Z01 |

Top Chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.37 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

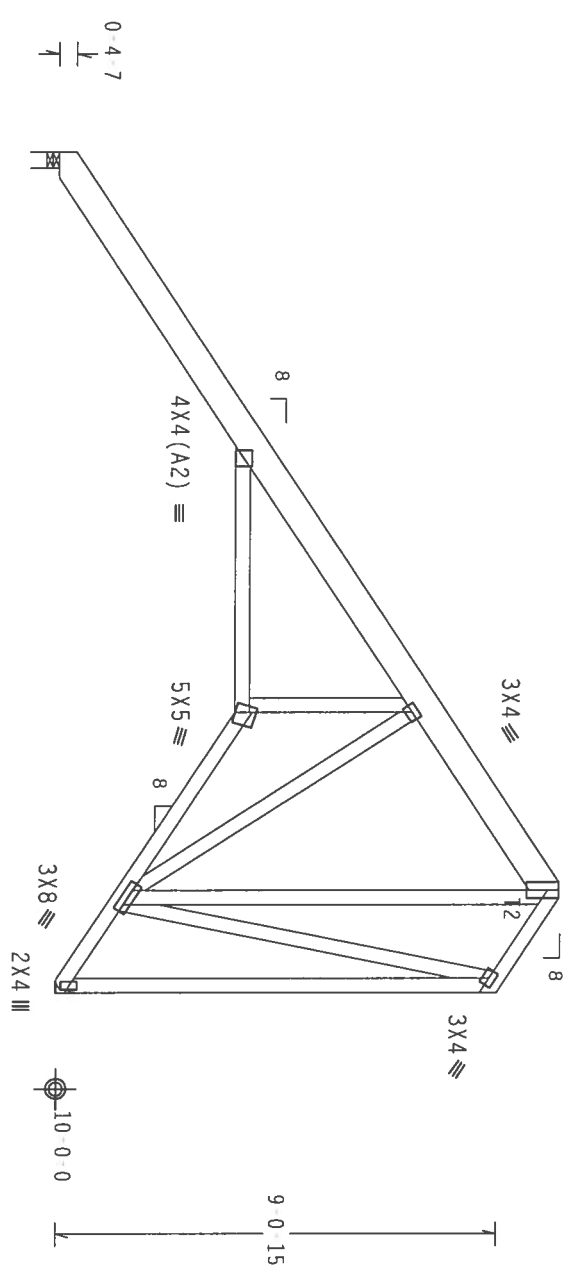
Calculated horizontal deflection is 0.26" due to live load and 0.44" due to dead load.

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

2 COMPLETE TRUSSES REQUIRED

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

Right end vertical not exposed to wind pressure.



R=741 W-4"
R=712 U-102

PLT TYP. Wave

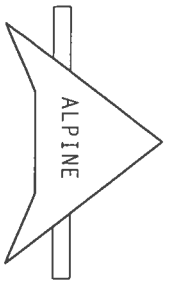
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)

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

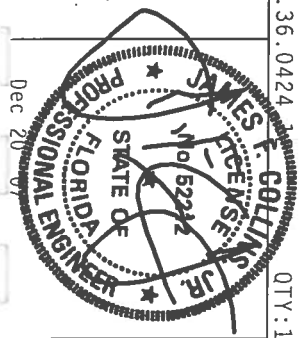
Scale = .25"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH ILL. STREET, SUITE 312, ALEXANDRIA, VA. 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



ITW Building Components Group, Inc.
Haines City, FL 33844
P.O. Box 1000
Haines City, FL 33844



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

Scale = .25"/ft.

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|--------|--------------------|
| REF | R8228- 11216 |
| DATE | 12/20/07 |
| DRW | HCUSR8228 07354049 |
| HC-ENG | WHK/WHK |
| SEON- | 53846 |
| FROM | AH |
| JREF | 1TDG8228Z01 |

TOP CHORD 2X4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.43 ft mean hgt, ASCE 7 02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL 5.0 psf, wind
BC DL 5.0 psf. $1w=1.00$ GCPI (+/-) = 0.18

Wind reactions based on MMFRS pressures.

Calculated horizontal deflection is 0.10" due to live load and 0.17"
due to dead load.

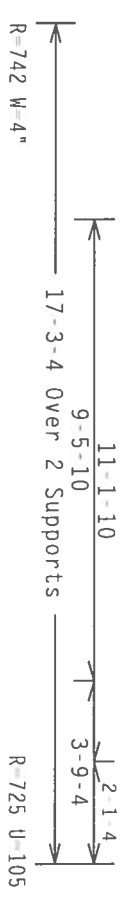
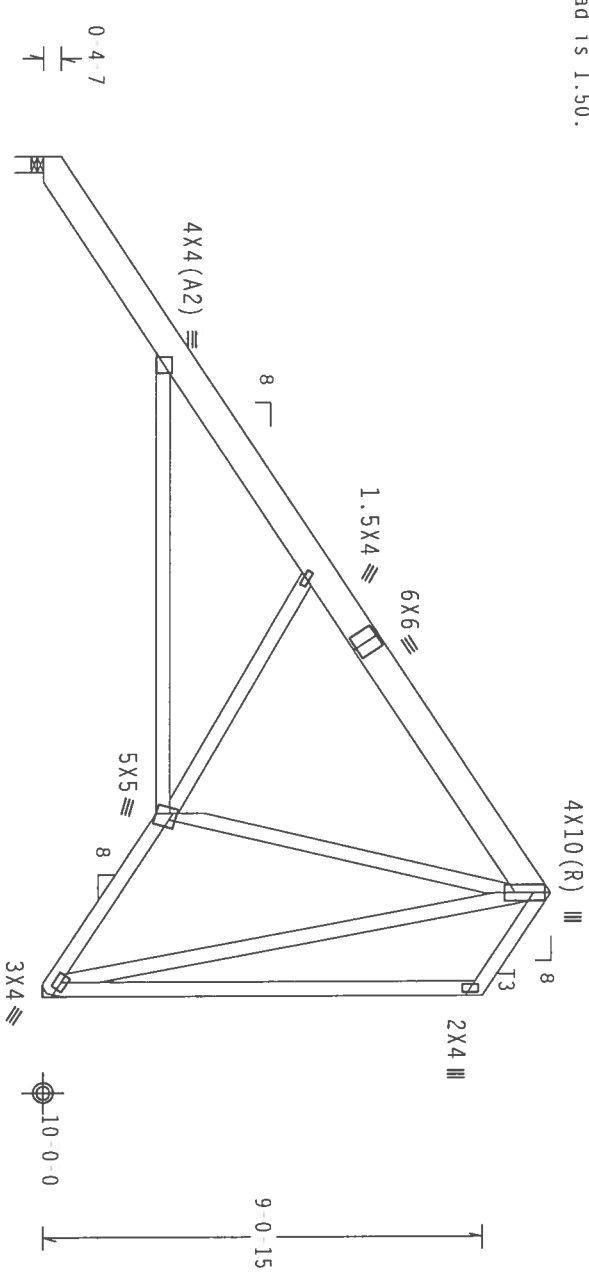
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TP1-2002 (STD) / FBC
Cq/RT=1.00(1.25)/0(0)

7.36.0424

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

Scale = .25" / Ft.

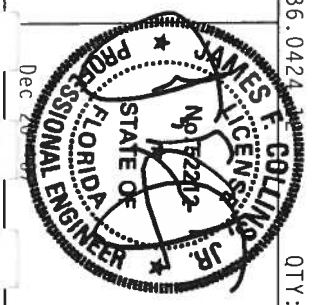
ALPINE

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

PLT Certificate of Installation

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2002 NATIONAL DESIGN SPEC. BY MMFRS AND TP1. TPW BCG CORP. TRUSSES ARE MADE OF 20/10/10GA (W/5/5/5) ASH/60S GRADE 40/60 (W/ 6/11/55) GALV. STEEL. APPLY PLATES TO ALL JOINTS AND CORNERS. UNLESS OTHERWISE LOCATED ON THIS DESIGN, DETAIL FOR DETAILS FOR 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



| | | |
|----------|----------|-----------------------|
| TC LL | 20.0 PSF | REF R8228- 11217 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUR8228 07354051 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK |
| TOT.LD. | 40.0 PSF | SEON- 53859 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JRFF- 1TDG8228Z01 |

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT 11, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $1w=1.00$ gcpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.44" due to live load and 0.73" due to dead load.

#1 hip supports 9-0-0 jacks with no webs.

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

Calculated vertical deflection is 0.40" due to live load and 0.66" due to dead load at $X = 6.88$.

3 COMPLETE KUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.)_nails)

| | | | |
|-----|--------------|--------|------|
| Top | Chord: 1 Row | @12.00 | 0.c. |
| Bot | Chord: 1 Row | @12.00 | 0.c. |

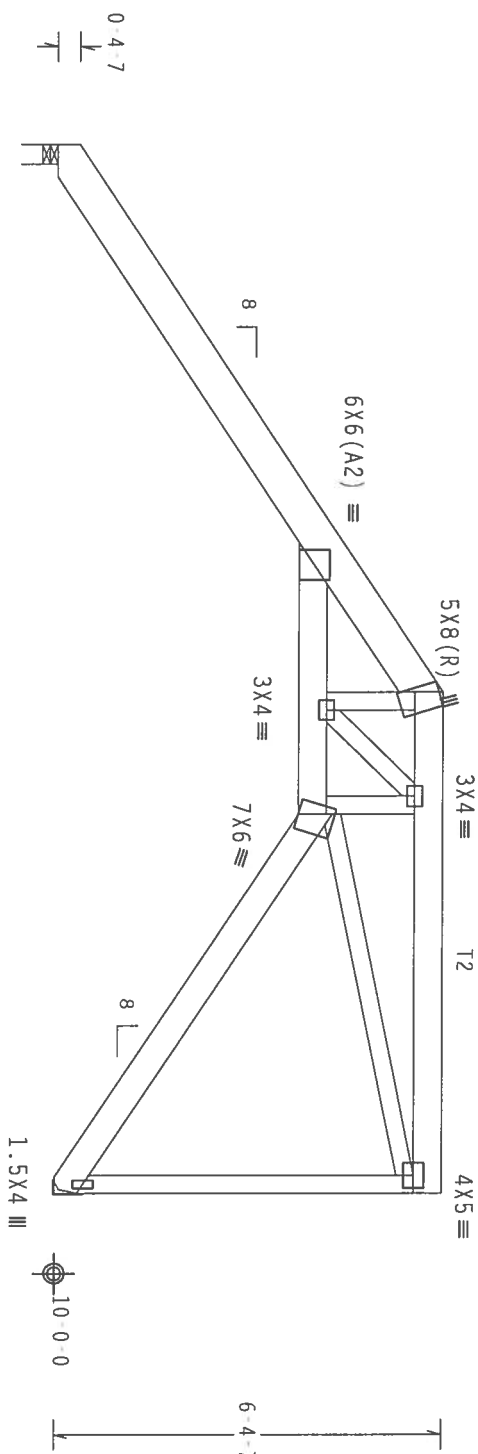
Webs : 1 Row @ 4" o.c.

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

Right end vertical not exposed to wind pressure.

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

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



R=1468 U=115 W=4^m

R=2057 U=162

Diagram of a continuous beam with three supports. The beam is divided into four segments with lengths: 2.5-10, 4.5-10, 8-3-4, and 6-3-4. The total length is 17-3-4. The beam is labeled "17-3-4 Over 2 Supports".

PLT TYP. Wave

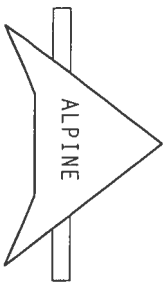
Design Crit: $TPI - 2002(STD) / FBC$
$$Cq/RT=1.00(1.25)/0(0)$$

7.36.0424

QTY:1

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

Scale = .3125"/Ft.



ITW Building Components Group, Inc.
Haines City, FL 33844
FJ Certificate of Authorization # 003700

*****WARNING***** FIBERS RESULTING FROM CEMENT CASE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO RC51 (BUILDING CONSTRUCTION SAFETY INFORMATION). PUBLISHED BY FBI (FEDERAL BUREAU OF INVESTIGATION), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD PRESERVATION COUNCIL OF AMERICA), 65000 INTERSTATE LANE, HANNOVER, MI, 48190 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CONDO SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CONDO SHALL HAVE PROPERLY ATTACHED FIBER CEILING

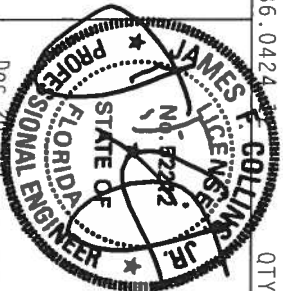
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IF BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (NATIONAL DESIGN SPEC. BY AIAA) AND IPT-11; OR FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

CONCRETE PLATES, MADE OF 20/10/1000 (M, 0.55/K), ASSIN 4003 GRANT 40/60 (M, 0.55) GALV. STEEL, APPLIED TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE ASSIN ON THIS DESIGN, POSITION PER DRAWINGS 1604 2 PLATES TO BE PLACED FOLLOWED BY 41 SHALL BE PLACED 42 OF THIS 2002 ETC 2

DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER. THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURER, THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER. THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURER, THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER.

BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2:

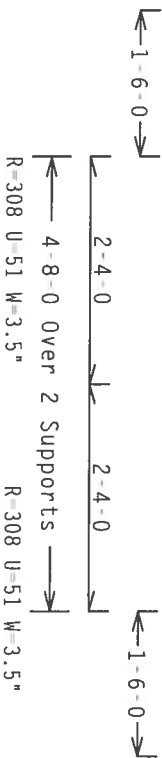
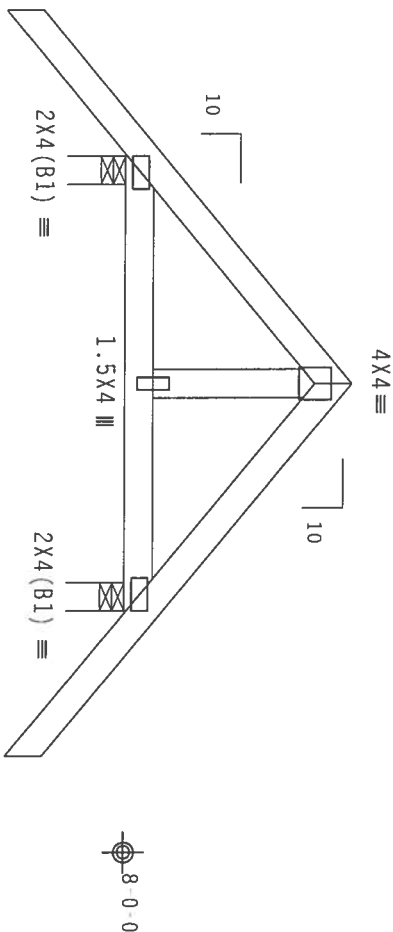


| | | | |
|----------|-----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11219 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354028 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 54049 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | SEE ABOVE | JREF - | 1TDG8228Z01 |

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

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 height, ASCE 7-02, FAKI, ENCL. D109, located anywhere in roof; CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCF (+/-)=0.55
Wind reactions based on MWFRS pressures.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424.12

QTY:1

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

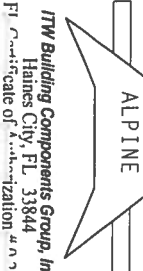
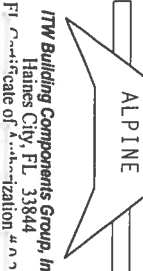
Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CRITERIA: TRUSSES SHALL BE DESIGNED TO SUPPORT A DEAD LOAD OF 10 PSF AND A LIVE LOAD OF 20 PSF. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF APRIL 2002 SEC. 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SIGNED 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/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
Tel: 888-444-7700



| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11220 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354012 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SECON | 53052 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF | 1TDG8228Z01 |

MEDS 2X4 SP #3

• Black chord 2x2 4x4 sp // dense:

[illegible]

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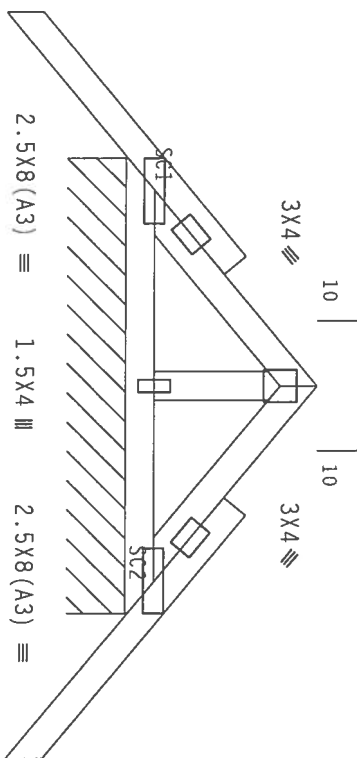


Diagram of a continuous beam with 4 supports and 5 spans. The spans are labeled: 2-6-0 (N.L.), 2-6-0, 2-4-0, 2-8-0, and 2-4-0. The total length is 147 feet. The beam is labeled "4-8-0 Over Continuous Support" and "R-147 PLF U=3 PLF W=4-8-0".

21117. MAVE

DESIGNATION: 151-2002 (210)/TDC

$$(0)0/(c7\cdot T)00\cdot T=1y/b3$$

1.36.0424

011:10

FL/14/E/17

Scale = 1/16"

ALPINE

IIW Building Components Group, Inc.

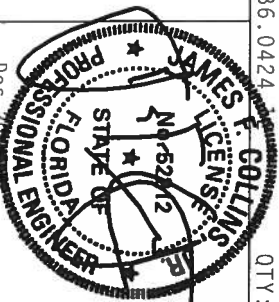
Haines City, FL 33844

Scale of Authorization

THE "PLANNING" PHASES (BUILDING CONCEPT, INFEASIBILITY, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO ACS) (BUILDING COMPONENT IN SAFETY INFORMATION), PUBLISHED BY IPT (FIRMS PLANT INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 65000 CREEPER LAKE, MADISON, WI 53719) FOR SAFETY PRACTICES, PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CEILING.

****IMPORTANT*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES- DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TP1. THE BCGS WILL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE BRACING.

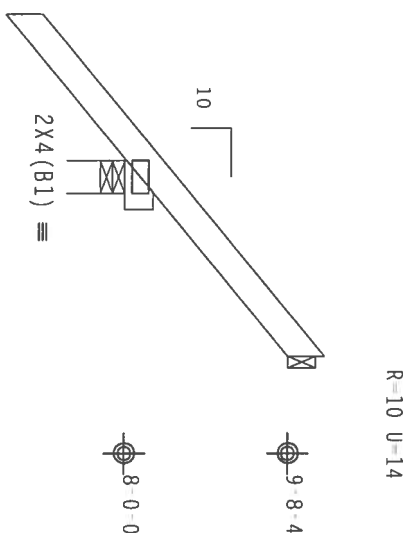
CONTRACTOR PLATES, MODEL NO. 2010/06 (E-1035357) ASH ASSY GRADE 40/60 (F4, W4, S5) GALV. STEEL. APPLY PLATES TO EACH FACE OF THUS5 AND THUS6 (OTHERWISE) LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 1660.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AT OR PRII 2002 SEC.3. A SEAL ON THIS 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE THUS5 COMPONENTS/CONSTRUCTION SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMEX/ETI A SEC. 2



| | | | |
|----------|-----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11221 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354001 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53171 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | SEE ABOVE | JREF - | 1TDG8228Z01 |

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

Wind reactions based on MMFRS pressures.



$\overbrace{1-6-0}^{\text{2-0-0 Over 2 Supports}}$
 $R=239 \text{ U}=19 \text{ W}=4''$

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

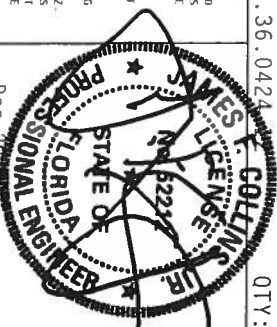
QTY:1 FL/-/4/-/E/-/-

Scale = .5"/ft.

WARNING FIRE'S BUILDING EXISTENT CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC-51 (BUILDING REQUIREMENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PASTE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (MICA TROSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, MI, 48139) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CELLING.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization #00700

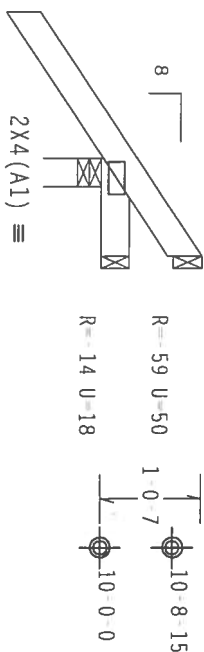


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|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11222 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354039 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53004 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228201 |

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

110 mph wind, 13.00 lb mean ft/L, A3C / °C, PAKI, ENC, DUG, located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf. 1w=1.00 Gcpi (+/-)=0.55

Wind reactions based on MMFRS pressures.



1-6-0
1-0-0 Over 3 Supports

R=261 U=50 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424:12

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

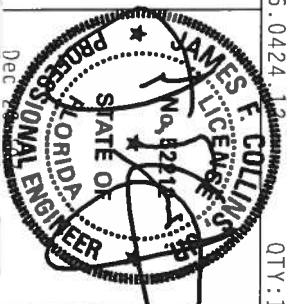
Scale = .5"/Ft.

WARNING: THESE BUILDING EXISTENCE CASE IN FAMILICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE FIRST PLASTIC INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AFRICAN WOOD TRADING COUNCIL OF AMERICA, 65000 INTERSTATE 146, MIDLAND, TX, 79701 FOR SAFETY PRACTICES PRIOR TO PREPARING THESE STRUCTURES. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844
 FI Certification 400700



| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11223 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354020 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53091 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228Z01 |

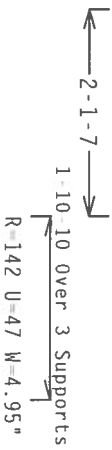
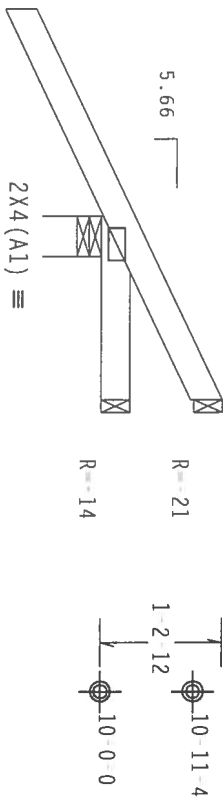
Top chord 2x4 SP #2 Dense

Hipjack supports 1 4-0 setback jacks with no webs.

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

Live min wind, 13.00 lb mean sq ft, ASCE 7-02, FAMI, EMV, VUG, LULACU anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCP1(+/-)-0.55

Wind reactions based on MWFRS pressures.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

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

7.36.0424

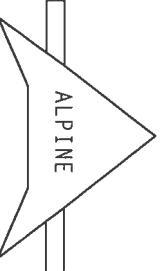
QTY:1

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

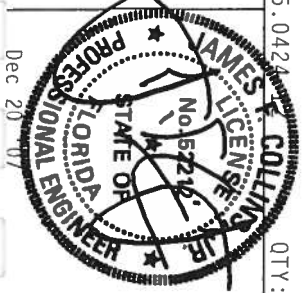
Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEFLECTION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, BY ACPA AND TPI. THE BCS CONNECTIONS TO THE ROOF OR WALLS SHALL BE MADE IN ACCORDANCE WITH THE TPI DESIGN. ALL STEEL, ALUMINUM, AND CONNECTION PLATES ARE MADE OF 60,000 PSI TENSILE STRENGTH. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF TPI 2002 SEC. 2.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SILENT 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/TPI 1 SEC. 2.



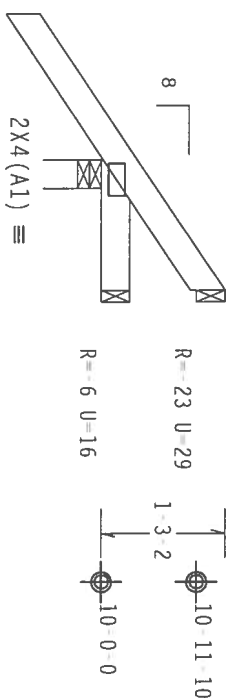
ITW Building Components Group, Inc.
Haines City, FL 33844
FJ Certificate of Authorization



| TC LL | 20.0 PSF | REF | R8228- 11224 |
|----------|-----------|--------|--------------------|
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354019 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SECON- | 53101 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | SFE ABOVE | JREF- | 1TDG8228Z01 |

anywhere in roof, 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.



1-4-0 Over 3 Supports

R=244 U=40 W=3.5"

PLT TYP. Wave

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

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

7.36.042

QTY: 1

FL/14/1E/1/

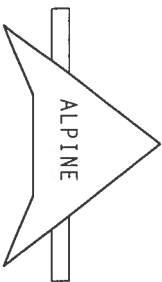
Scale = .5"/Ft.

WARNING FRIGES, AIR-TO-AIR EXCHANGERS, CASES IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BROCHING REFER TO BEST (BUILDING COMPONENTS SAFETY INFORMATION). PUBLISHED BY FBI (FEDERAL PAPER INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD INDUSTRIES COMPANY OF AMERICA), 63000 INDEPENDENCE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP GROUND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GROUND SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

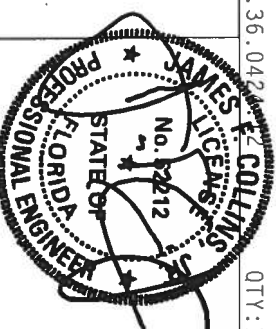
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF INDS (NATIONAL DESIGN SPEC. BY AFAPA) AND IPI. THE BCG

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND INSPECTION OF PLATE IS FOLLOWED BY (1) SHALL BE PER ANNEA AS OF 10-11-2002 S.L.C.S. A SEAL ON THIS



ITW Building Components Group, Inc.
Haines City, FL 33844
[F] Certificate of Authorization 400000



Dec 20 0

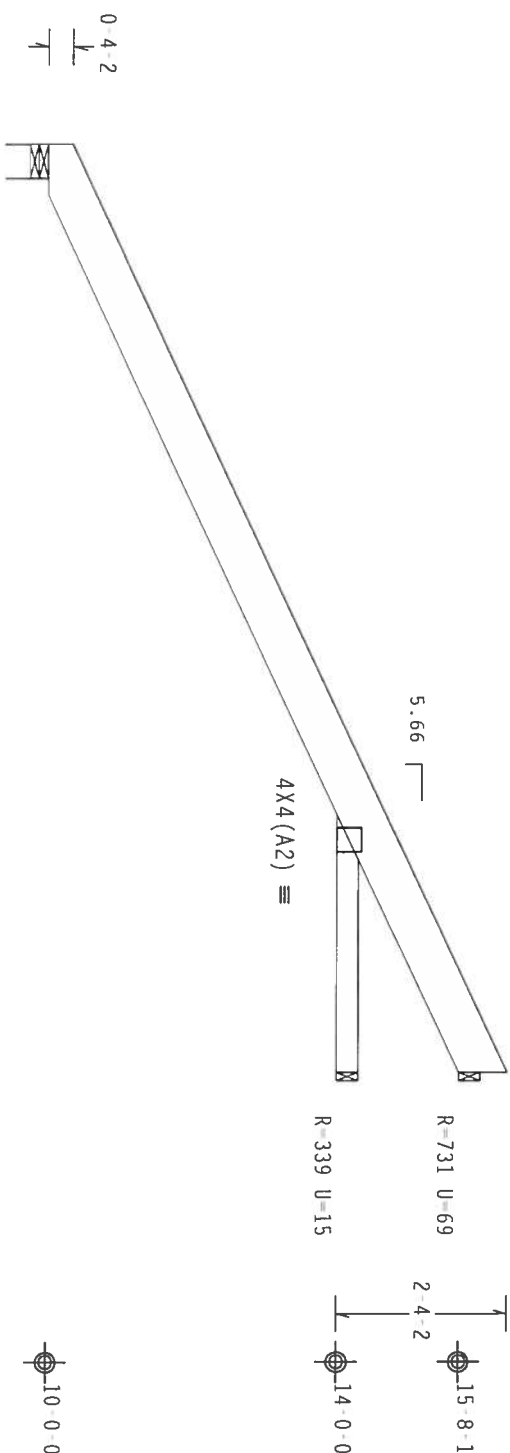
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|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11225 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354021 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN - | 53096 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228201 |

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT 1I, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $1w=1.00$ gcpl (+) = -0.18

Wind reactions based on MWFRS pressures.

Hipjack supports 9-0-0 setback jacks with no webs.

2 COMPLETE TRUSSES REQUIRED



R 565 U 45 W 5.657" 12-8-12 Over 3 Supports

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424 13

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

Scale = .375"/Ft.

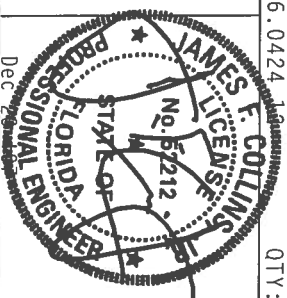
*****WARNING***** FIBERS DISCUSSING FIBER CASE IN INFORMATION, SHIPPING, INSTALLING AND BRACING REFER TO GCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FBI (FIBER PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NICK (NICK TRUSS COMPANY OF AMERICA, 65000 ENTERPRISE LANE, MADISON, MI, 48131) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PURLINS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844

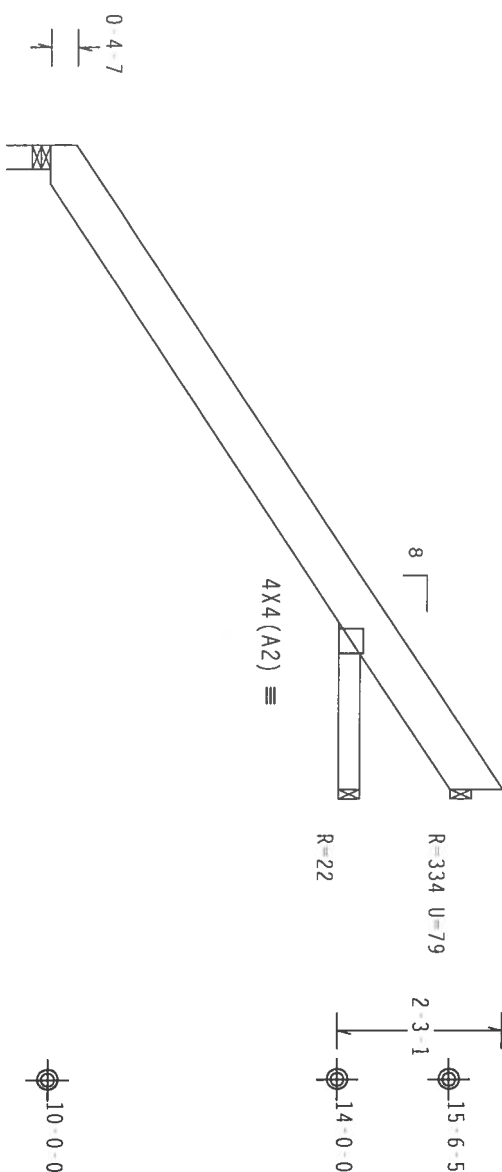
F1 Certificate of Authorization



| | | | |
|----------|-----------|--------|-------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11226 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 0734017 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN - | 54042 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | SEE ABOVE | JREF - | 1TDG8228Z01 |

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

Wind reactions based on MMFRS pressures.



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

QTY: 1

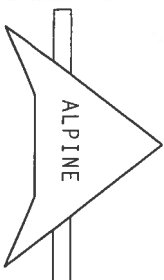
FL/14/E/1

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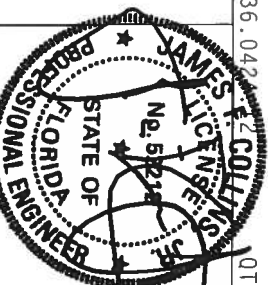
*****WARNING***** TRUCKS (LOADING EXISTENT CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BROCHING REFER TO RC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (FIRMS PAPER INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

CONCRETE DECK SHALL BE TYPICAL THICKNESS OF 203 (UNITED STATES SPEC. FOR REINFORCED CONCRETE PLATES AND SLABS, OR 20 TO 21 INCHES ASH AREAS GRADE 40/60 (M, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. UPON INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPJ 2002 SEC. 3. STAINING INDICATORS ACCEPTANCE AND PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/PJP 1 SEC. 2.



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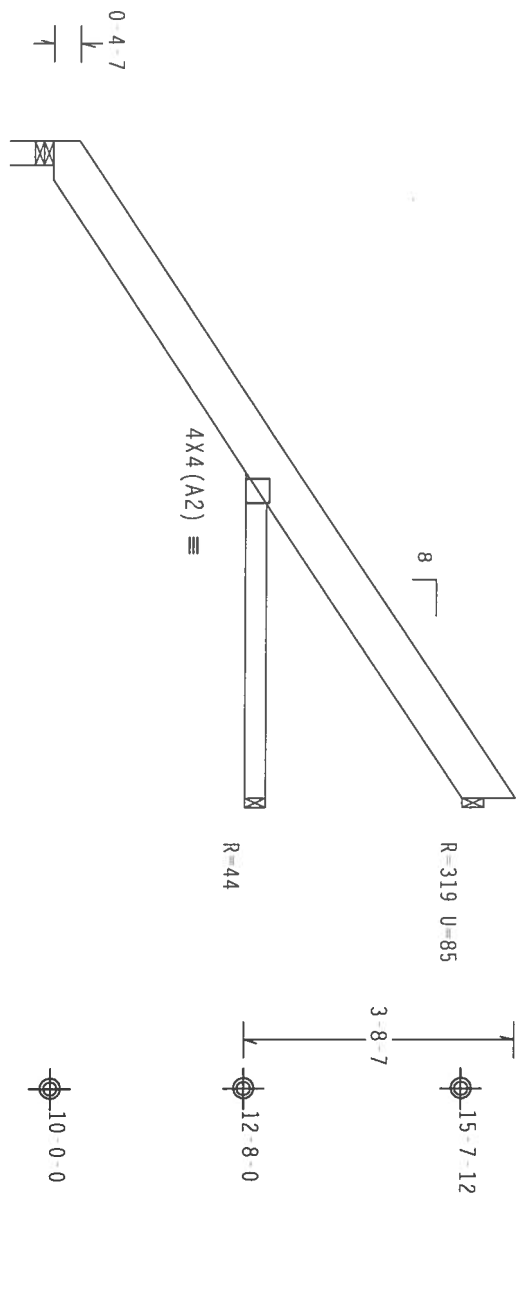


Dec 20 07

| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11227 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354032 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 54015 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228Z01 |

Bot chord 2x4 Sp #2 Dense
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 13.00 ft mean height, ASCE 7-02, clusede wind, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
 Wind reactions based on MFRS pressures.

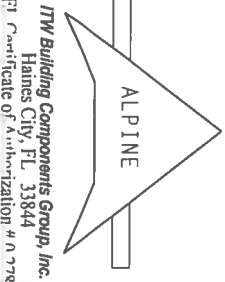


9'-0-0 Over 3 Supports
 R=393 W=4"

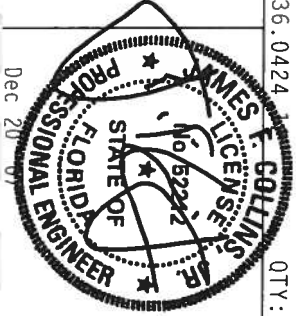
PLT TYP. Wave
 Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0)

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.



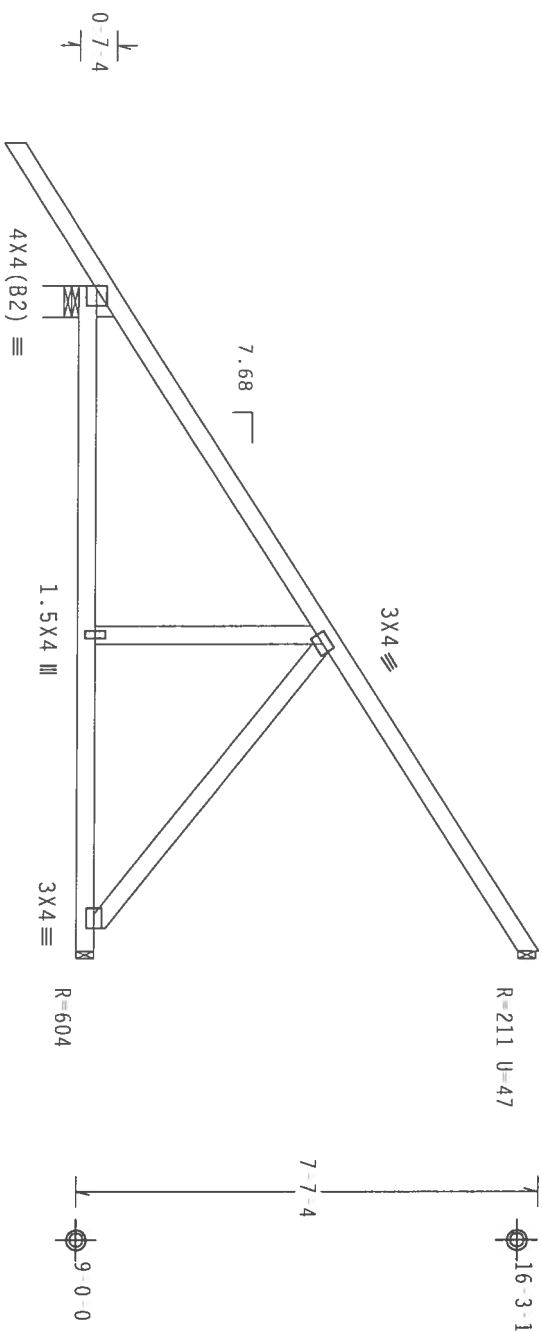
ITW Building Components Group, Inc.
 Haines City, FL 33844
 P1 Certificate of Authorization # 0770



| | | |
|----------|----------------|------------------------|
| QTY: 1 | FL/-/4/-/E/-/- | Scale = .375"/ft. |
| TC LL | 20.0 PSF | REF R8228- 11228 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07354035 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- 54022 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TDG8228Z01 |

Hipjack supports 7-8' 12 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.

Wind reactions based on MMFRS pressures.
 DL=5.0 psf. 1w=1.00 gcpi (+/-)=0.18



Design Crit: TPI-2002(STD)/FBC

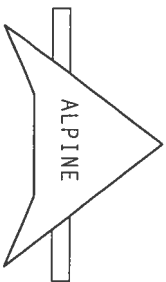
$$Cq/RT=1.00(1.25)/0(0)$$

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

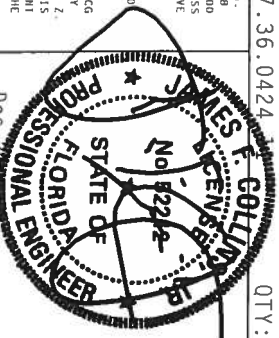
Scale = .3125"/Ft.

"WARNING" = "TRUCKS EXHIBITING CRACKS IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION)". PUBLISHED BY FPI (FIBER PAPER INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WPCA (WOOD PRESERVATION COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, WOODBURN, VA 22195) FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

[illegible]

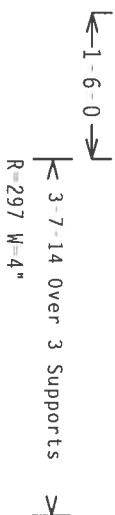
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 000700



| | | | |
|----------|----------|--------|--------------------|
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| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354022 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP |
| TOT.LD. | 40.0 PSF | SEQN- | 65626 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDG8228201 |

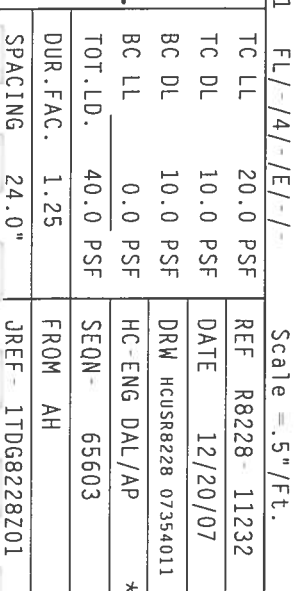
anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI (+/-) 0.18

Wind reactions based on MWFRS pressures.



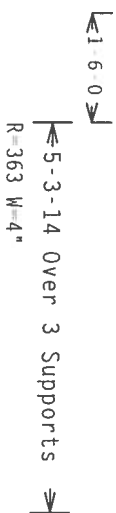
Scale = .5"/Ft.

****IMPORTANT*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH

[illegible]

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

Wind reactions based on MMFRS pressures.



PLT TYP. Wave

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

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

7.36.0424

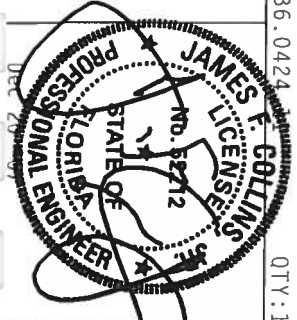
QTY: 1

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

Scale = .375"/Ft.

"MAINTAINING" RISKS RESULTING FROM THE CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO DESIGN, CONSTRUCTION AND MAINTENANCE OF THE STRUCTURE. (GUIDELINE COMPONENT SPECIFIC INFORMATION). PUBLISHED BY THE (TRUSS PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NICKI WOOD RENO RESEARCH COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO REINFORCING THESE FUNCTIONS. UNDESIRABLE INDICATED FOR CLOUD SHALL HAVE PROBABLY ATTACHED STRUCTURAL PANELS AND BOTTOM CLOUD SHALL HAVE PROBABLY ATTACHED FIELD CELLING.

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Haines City, FL 33844
FI Certificate of Authorization # 00798



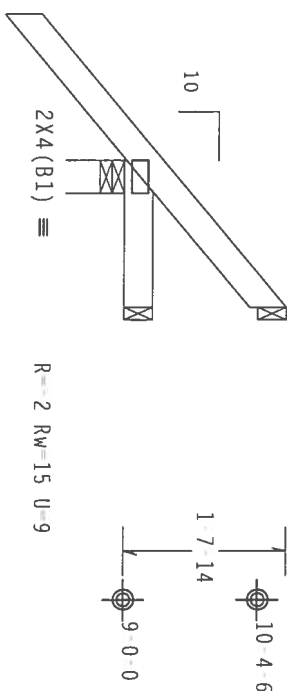
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|----------|----------|--------|--------------------|
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| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354010 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP |
| TOT.LD. | 40.0 PSF | SEQN- | 65607 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDG8228Z01 |

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

Wind reactions based on MMFRS pressures.
DL=5.0 psf. 1W=1.00 gcpl(+/-)=0.18

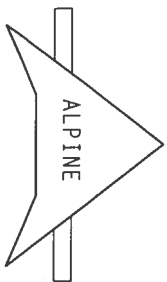
Wind reactions based on MWFRS pressures.

R-11 RW-21 U-23



1 6 0
1 6 2 Over 3 Supports
R=249 U=24 W=4"

PLT TYP. Wave



ITW Building Components Group, Inc.
Haines City, FL 33844
[F] Certificate of Authorization # 0 775

WARNING:—RISKS INCLUDE EXTREME CASE IN FABRICATION, HANDLING, SHIPMENT, INSTALLING AND BRACING REFER TO DCSP (BUILDING COMPONENT INFORMATION), NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NRC NRC TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MANASSAS, VA 20108 FOR SAFETY PRACTICES PRIOR TO REINFORCING THESE COMPONENTS. UNDESIGNED, MODIFIED OR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED RIGID CELLING.

[illegible]

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

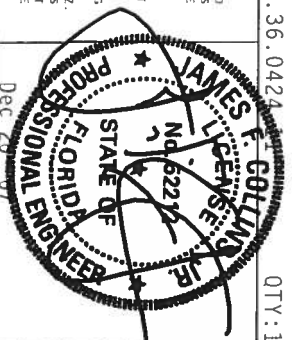
 $Cq/RT=1.00(1.25)/0(0)$

7.36.0424

QTY:1

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

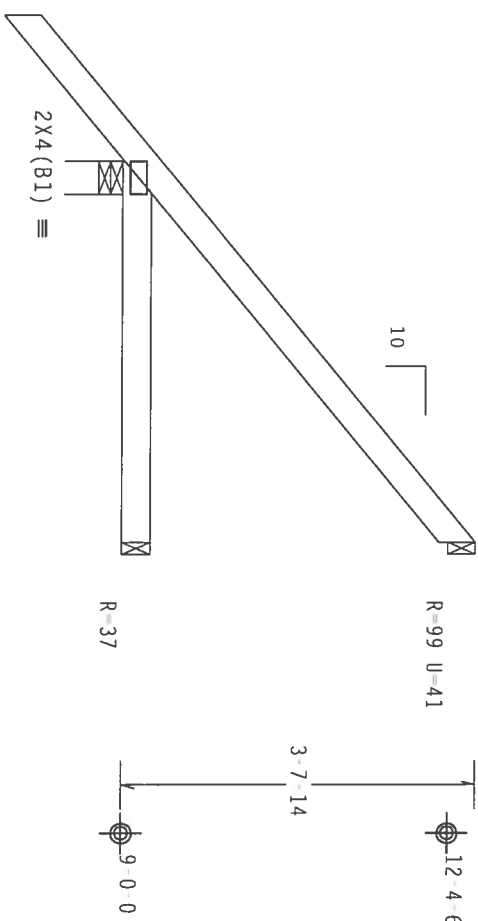
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| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11234 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354007 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP * |
| TOT.LD. | 40.0 PSF | SEQN- | 65611 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228Z01 |

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

Wind reactions based on MMFRS pressures.
 anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
 DL=5.0 psf. $1w=1.00 \text{ gcpi}(+/-)=0.18$



1-6-0

3-10-15 Over 3 Supports
R=307 W=4"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

 $C_q/RT=1.00(1.25)/0(0)$

7.36.0424.1

QTY:1

FL/14/E/1-

Scale = .5"/Ft.

"WARNING" - THESE RESULTS EXIST IN THE CASE OF FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO NC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (FIRMS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NRC (WOOD TRUSS COUNCIL OF AMERICA, 6500 CENTERPIECE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO FORMING THESE STRUCTURES. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

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

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

CONNECTION PLATES ARE MADE OF 20/18/16GA (H, H/SS/K) ASIM A653 GRADE 40/60 (H, K/H,SS) GALV. STEEL. APPLY PLATE TO EACH FACE OF JOINT AND THREE OUTSIDE CORNERS ON EACH SIDE.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL ON THIS AND INSPECTION OF PLANS FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 1P11 2002 SEC.3.

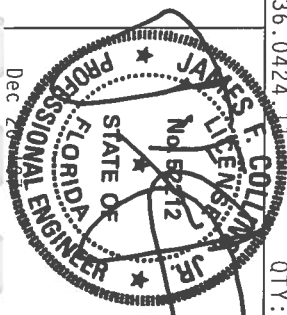
BUILDING DESIGNER PER AM51/PI 1 SEC. 2

[illegible]

ALPINE

ITW Building Components Group, Inc.

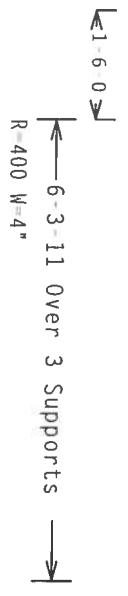
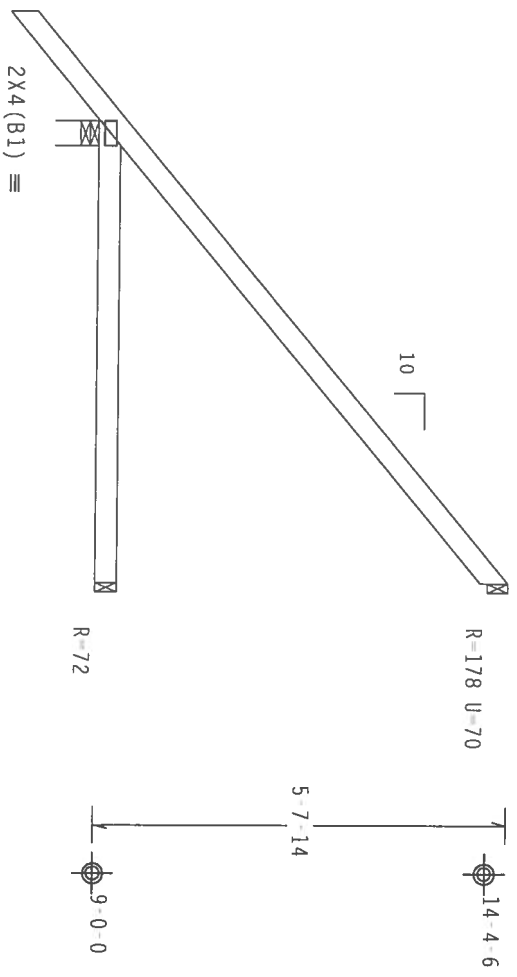
HAINES CITY, FL 33844



| | | | |
|-----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11235 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354004 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP * |
| TOT. LD. | 40.0 PSF | SEON- | 65615 |
| DUR. FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDG8228201 |

Bot chord 2x4 SP #2 Dense
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

1.50 mph wind, 1.50 ft mean height, above 1.50 ft, located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 Gcp1(+/-)=0.18
Wind reactions based on MMFRS pressures.



PLT TYP. Wave

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

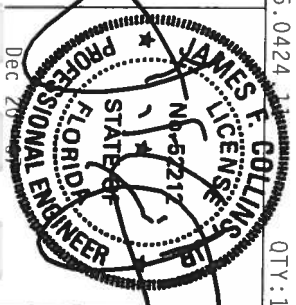
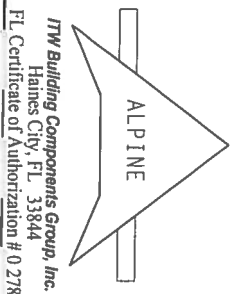
QTY:1

FL/-14/-1/-1/-1

Scale = .375"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 (OR BCS2) FOR TRUSS SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALBANY, NY 12209. (518) 432-2343 AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, HADISON, NJ 07739 FOR SAFETY PRACTICES PRIOR TO PERFORMING THE SE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

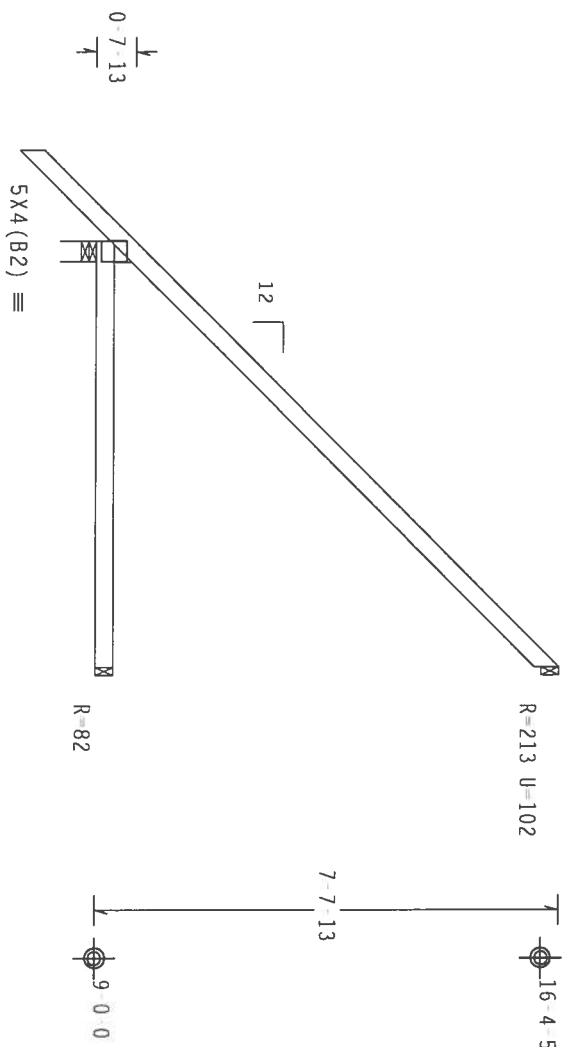
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPI REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FINISHING OF TRUSSES, THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, THE TRUSS IN CONFORMANCE WITH DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. TPI REG. INCORPORATES ARE MADE OF 20/18/16GA (44/55/55) ASTM A653 GRADE 40/60 (44/55/55) GALV. STEEL. APPLY ANY PLATES TO EACH FACT OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FIG. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



| | | | |
|-----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228-11236 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354054 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP |
| TOT. LD. | 40.0 PSF | SEON | 65619 |
| DUR. FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF | 1TDG8228Z01 |

located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

 $\sqrt[0.9]{1}$

7-0-0 Over 3 Supports →
R=433 W=4"

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

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

7.36.0424

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

Scale = .3125"/Ft.

*WARNING: THESE BUILDING EXHIBIT CASES IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO DCSS (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MICA (WOOD TRUSSING COMMITTEE OF AMERICA, 65000 CREEKVIEW LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PREPARING THESE DIRECTIONS. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. PROPERLY ATTACHED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORD CELLING.

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


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

CONNECTION PLATES SHALL HAVE OF 20/18/16GA (W, H/55/K) ASIM A653 GRADE 40/60 (W, K/H, 55) GALV. STEEL. APPLY

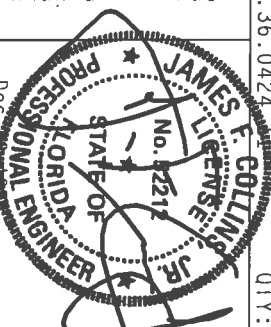
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE JOINT COMPONENT

BUILDING DESIGNER PER ANSI/AP1 1 SEC. 2.

1



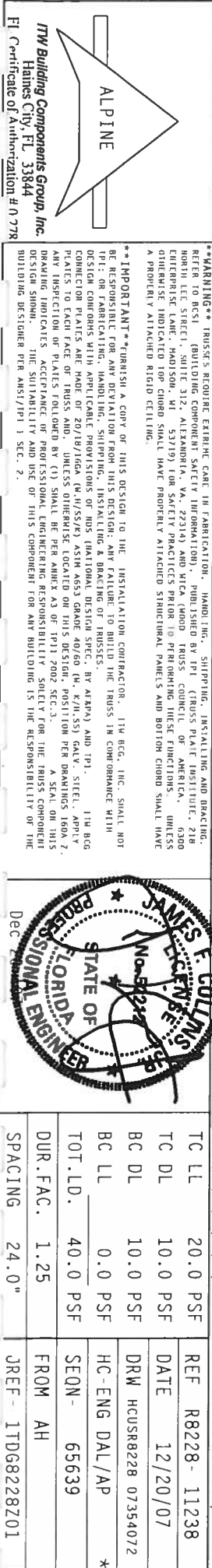
ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 072



| | | | |
|-----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11237 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354009 |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP * |
| TOT. LD. | 40.0 PSF | SEQN - | 65632 |
| DUR. FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228Z01 |

110 mph wind, 13.00 lb mean net, ASCE 7-02, CLUSTED DRG, LOCATED anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCFI (+/-) = 0.18

Wind reactions based on MIFRS pressures.



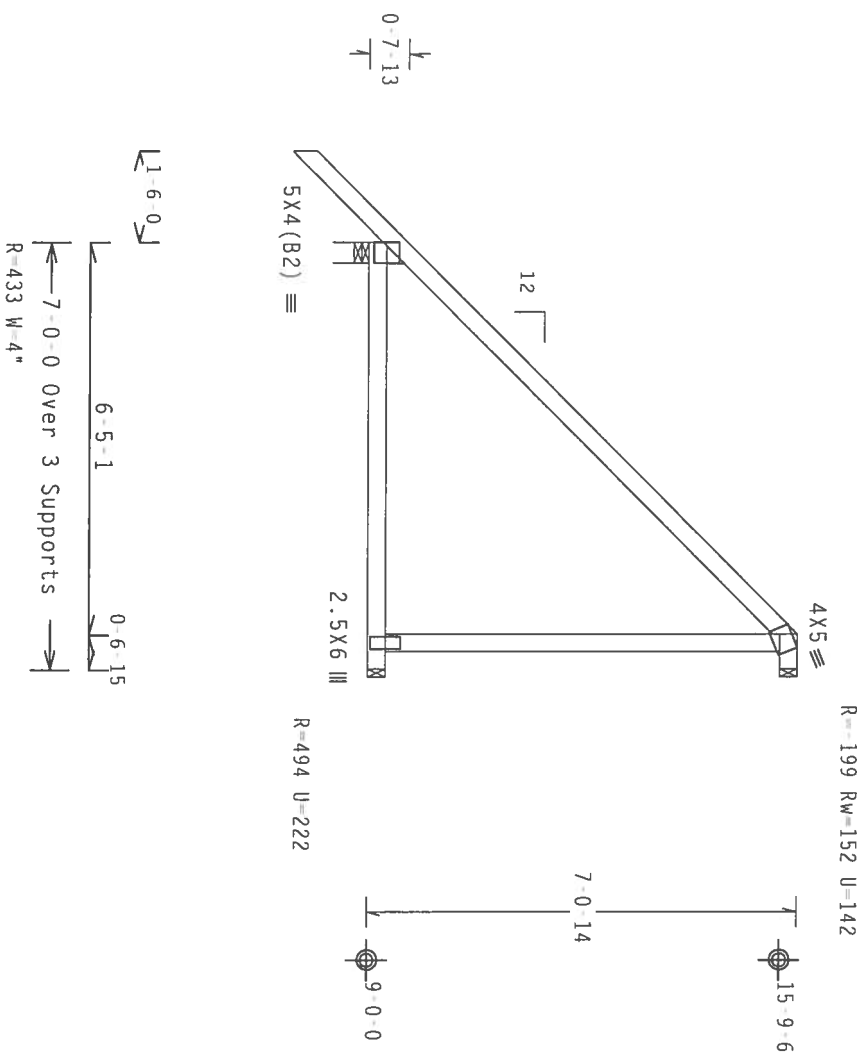
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| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354072 |
| BC LL | 0.0 PSF | HC-ENG DAL/AP | * |
| TOT.LD. | 40.0 PSF | SEQN- | 65639 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDG8228Z01 |

Top chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Lt Wedge 2x4 SP #3:

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

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

negative reactions) of 137# max. (see detail) from a non-wind load case requires uplift connection.
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. 1w=1.00 Gcpi(+/-)=0.18
Wind reactions based on MWFRS pressures.



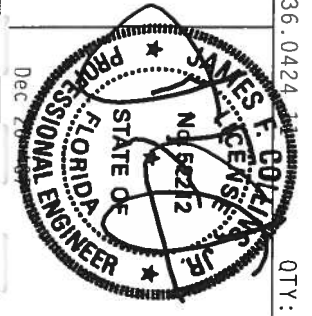
PLT TYP. Wave

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
Fl Certificate of Authorization #0778

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 CHERRYBARK LANE, MOULTON, WI, 53119) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN, ANALYSIS, OR FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, OR INSTALLING INSTRUCTIONS BY AFRMA AND TPI. THE BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. FOR STEEL TRUSS BRIDGE CONNECTION PLATES ARE MADE OF 20/10/10GA. CH./H/SS/2X ASH A653 GRADE 40/60 IN. (20/10/10) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2, ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



| | | | | | |
|-----------|----------|----------------|--------------------|--------------------|--|
| QTY: 1 | | FL/-/4/-/E/-/- | | Scale = .3125"/Ft. | |
| TC LL | 20.0 PSF | REF | R8228 - 11239 | | |
| TC DL | 10.0 PSF | DATE | 12/20/07 | | |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354071 | | |
| BC LL | 0.0 PSF | HC-ENG | DAL/AP | | |
| TOT. LD. | 40.0 PSF | SEON | 65643 | | |
| DUR. FAC. | 1.25 | FROM | AH | | |
| SPACING | 24.0" | JREF | 1TDG8228201 | | |

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

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 12.00 ft median hgt, ASCE 7-02, CLUSTED DIAG, 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.

Right end vertical not exposed to wind pressure.

SEE DWGS A11015EE0207, GBLLENTIN0207, & GBLBRSTD0207 FOR ADDITIONAL REQUIREMENTS.

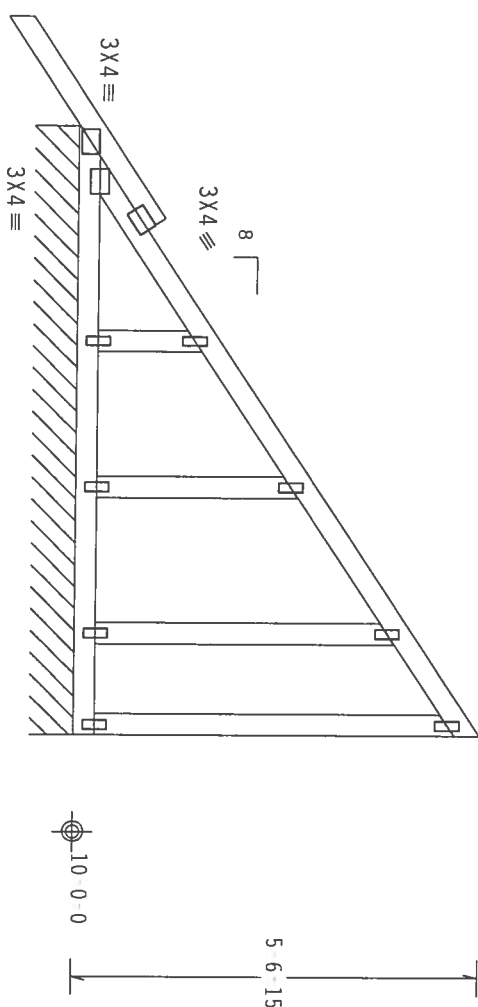


Diagram of a continuous beam with three supports. The beam is divided into four segments with lengths 16.0, 0.4, 11.0, and 6.11. The first support is labeled "R=102 PLF U=8 PLF W=8.40". The second support is labeled "8.40 Over Continuous Support". The beam ends with a free end on the right.

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

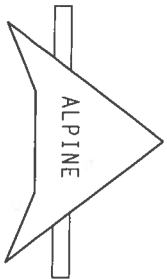
$$Cq/RT=1.00(1.25)/0(0)$$

7.36.0424

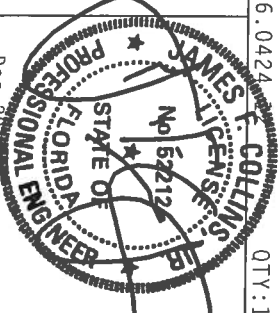
QTY:1 FL/-/4/-/E/-/-

Scale = .375"/Ft.

WARNING: THESE RECORDS EXISTENCE CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO DC51 (BUILDING COMPONENT SPECIFICATION), PUBLISHED BY IPT (FIRMS PLANT INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (6000 BRASS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MANASSA, VA, 51319) FOR SAFETY PRACTICES PRIOR TO REFORMING THESE STRUCTURES. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CELLING.

[illegible]

ITW Building Components Group, Inc.
Haines City, FL 33844
Facility of Automation



| FL/-/4/-/E/-/- | | Scale = .375"/Ft. |
|-------------------|----------|------------------------|
| TC LL | 20.0 PSF | REF R8228 - 11241 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCU8R8228 07354014 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- 54035 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING SEE ABOVE | | JREF- 1TDG8228Z01 |

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

110 mph wind, 20.41 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $GCP(1+/-)=0.18$

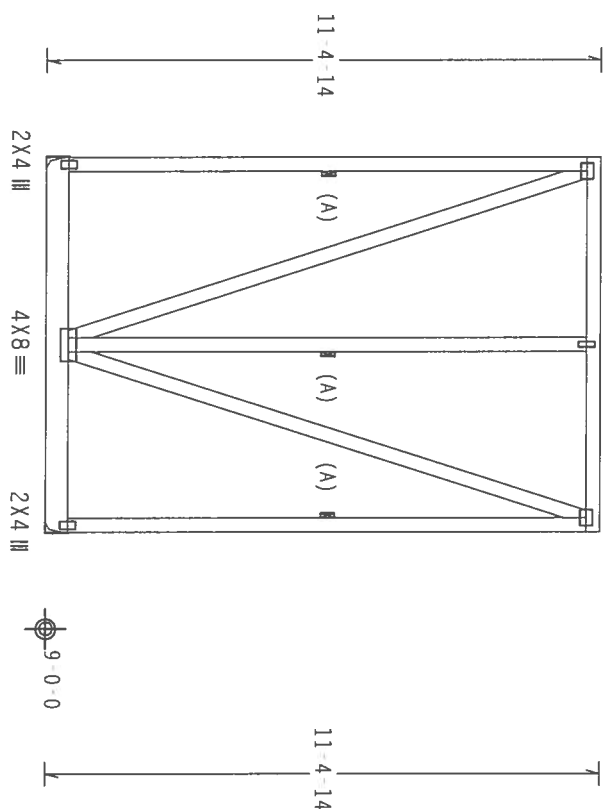
Wind reactions based on MMFRS pressures.

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

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.

End verticals not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
Truss must be installed as shown with top chord up.
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

3X4 ≡ 1.5X4 III 3X4 ≡

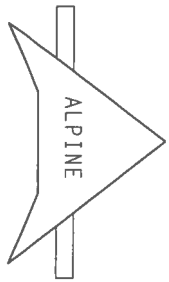


R-1155 U-235 R-1128 U-229
7'-9'-0 Over 2 Supports

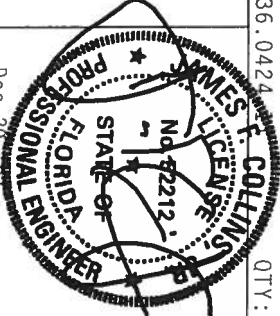
PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY: 1 FL/-/4/-/E/-/- Scale = .25"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE FABRICATING MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS. BY APPROVAL AND TPI, ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIES, 2015), AISC (STEEL CONSTRUCTION MANUAL, 13TH EDITION, 2009), AND AIAA (AIR FORCE HANDBOOK, 1988). UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 100A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY 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/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
For Certificate of Authorization #A-779



| TC LL | 20.0 PSF | REF | R8228-11242 |
|-----------|----------|---------------|--------------------|
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354025 |
| BC LL | 0.0 PSF | HC-ENG EC/DLJ | |
| TOT. LD. | 40.0 PSF | SEQN- | 25706 |
| DUR. FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | UREF- | 1TDG8228Z01 |

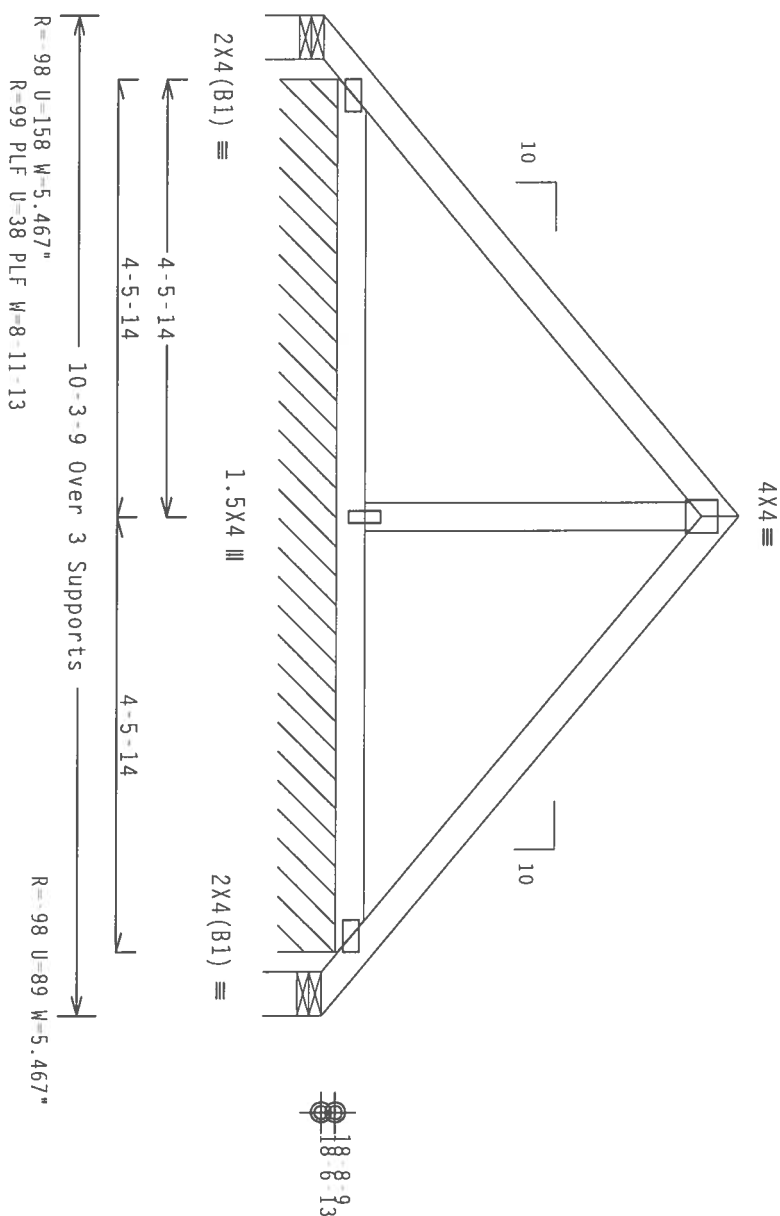
110 mph wind, 20.71 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCp1(+/-) 0.18

REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGBACK DETAILS
TOP CHORD OF SUPPORTING TRUSS UNDER PIGBACK TO BE BRACED
@ 24" O.C., UNLESS OTHERWISE SPECIFIED.

LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25
 TC From 66 PLF at 0.00 to 66 PLF at 5.15
 TC From 66 PLF at 5.15 to 66 PLF at 10.30
 BC From 4 PLF at 0.00 to 4 PLF at 10.30

In lieu of rigid ceiling use purtins to brace BC @ 24" OC.

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)

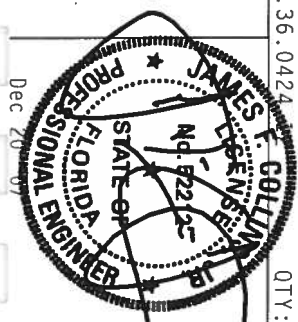
QTY:1 FL/-/4/-/E/-/-

Scale = .5"/Ft.

*****WARNING***** FIRE'S BUILDING EXISTING CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO MCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (FIRSS PLASTIC INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUT/CURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CEILING.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization #00790



| FL / 4 / - E / - | | Scale = .5" / Ft. |
|------------------|----------|------------------------|
| TC LL | 20.0 PSF | REF R8228 - 11243 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07354044 |
| BC LL | 0.0 PSF | HC-ENG WHK / WHK |
| TOT. LD. | 40.0 PSF | SEQN - 53267 |
| DUR. FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF - 1TDG8228Z01 |

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

In lieu of rigid ceiling use purlins to brace BC @ 24" O.C.

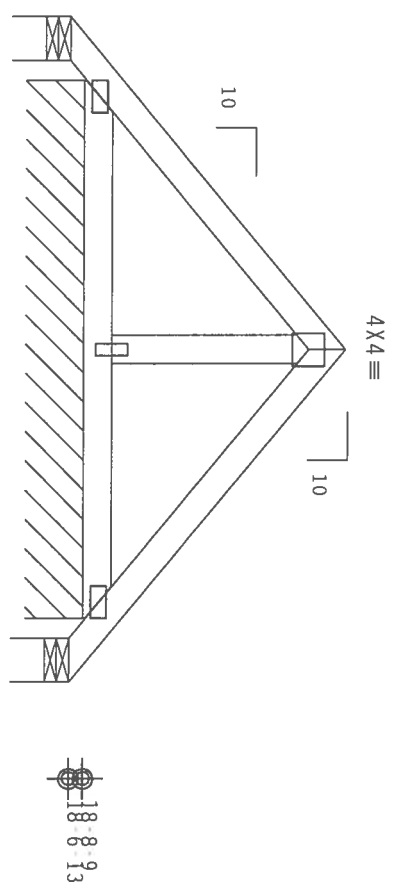
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGYBACK TO BE BRACED @ 24" O.C, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.40 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=2.0 psf. $1w=1.00$ $Gcpi(+/-)=0.18$

CEILING LOADS

| | |
|-----------|----------------------------------|
| TC - From | 66 PLF at 0.00 to 66 PLF at 3.42 |
| TC - From | 66 PLF at 3.42 to 66 PLF at 6.83 |
| BC - From | 4 PLF at 0.00 to 4 PLF at 6.83 |



2X4 (B1) = 1.5X4 III 2X4 (B1) =

2-9-2 2-9-2

6-10-0 Over 3 Supports

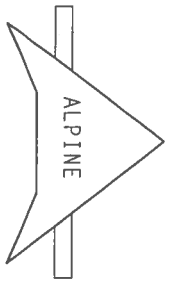
R=16 W=5.467" R=16 W=5.467"

R=87 PLF U=25 PLF W=5-6-4

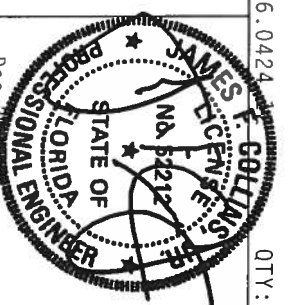
PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0)

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETACHMENT FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS. INSTALLING A BRACING OF TRUSSES BY AFTER AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 20/10/10GA (4-H/55X) WITH A633 GRADE ADDED IN 4/20/55 CALV. STEEL. THE BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A, 2, ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY 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/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
PI Certificate of Authorization #1179



| | | |
|----------|----------------|------------------------|
| QTY: 1 | FL/-/4/-/E/-/- | Scale = .5"/ft. |
| TC LL | 20.0 PSF | REF R8228-11244 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07354040 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- 53271 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TDG8228Z01 |

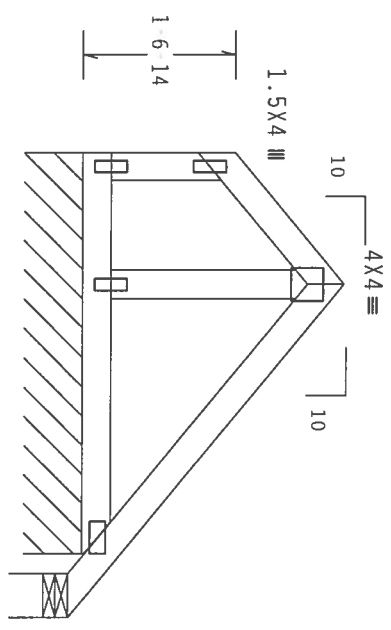
TOP CHORD 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 19.99 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=2.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGYBACK TO BE BRACED @ 24" O.C., UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS
----- (LUMBER
TC - From 66 PLF at 0.00 to 66 PLF at 1.25)
TC - From 66 PLF at 1.35 to 66 PLF at 1.35
BC - From 4 PLF at 0.00 to 4 PLF at 4.77
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



18 8 13

1-4-4 2-9-2
4-9-4 Over 2 Supports
R=84 PLF U=26 PLF W=4 I-6
R=28 U=25 W=5.467"

PLT TYP. Wave

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

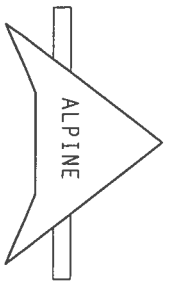
7.36.0424 7.36.0424

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

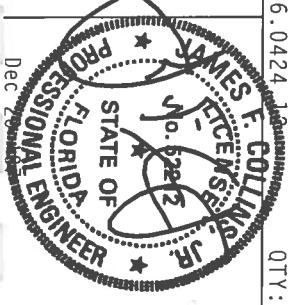
Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPI REC, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, BY AFRAX AND TPI, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONNECTIONS W/STEEL BRACING SHALL BE MADE OF 20/16 IN. STEEL. ALL STEEL CONNECTION PLATES ARE MADE OF 20/16 IN. STEEL. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER A SEAM ON THIS DRAWING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
TPI Certificate of Authorization #A0790

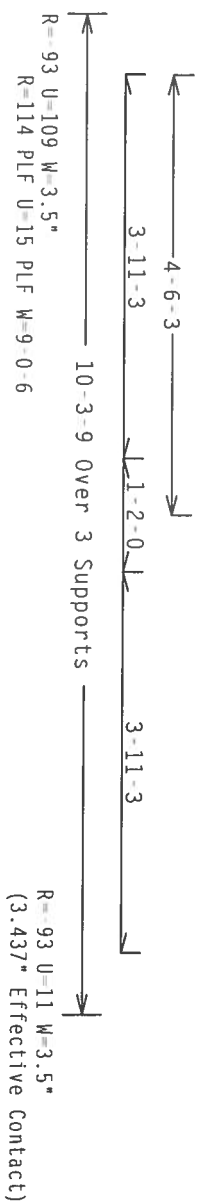


| | | |
|----------|----------|------------------------|
| TC LL | 20.0 PSF | REF R8228- 11245 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07354068 |
| BC LL | 0.0 PSF | HC-ENG WHK/WHK |
| TOT.LD. | 40.0 PSF | SEON- 53870 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TDG8228Z01 |

110 mph wind, 13.00 lb mean hgt, A/C, 1000000, 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.

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.



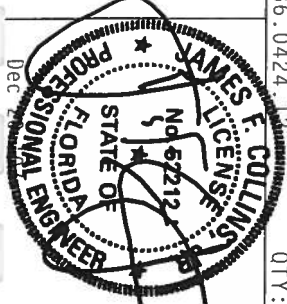
Design Crit: TPI-2002(STD)
Cq/RT=1.00(1.25)/0(0)

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

Scale = .5"/Ft.

"MAINTAINING" CHAIRS REQUIRING EXERCISE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO MCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (FIBRES PAPER 1951/11/1), P. 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COMPANY) OF AMERICA, 65000 ENTERPRISE LANE, HANSDEN, MI 48139 FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRACING.

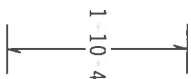
ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 0778



| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11246 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354062 |
| BC LL | 0.0 PSF | HC-ENG | WHK/WHK |
| TOT.LD. | 40.0 PSF | SEQN- | 53953 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDG8228Z01 |

anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.



7.41.1125 ~~FL/ -/4/ -/E/ -/ -~~ QTY:1

7.41.1125 QTY:1 FL/-/4/-/E/-/-

Scale = .5"/Ft.

10

JAMES
LICENSE
No. 62212

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH

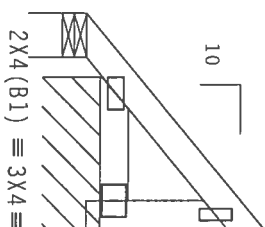
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.

| FL/-/4/-/E/-/- | | Scale =.5"/ft. |
|----------------|----------|-----------------------|
| TC LL | 20.0 PSF | REF R8228- 11248 |
| TC DL | 10.0 PSF | DATE 12/20/07 |
| BC DL | 10.0 PSF | DRW HCUR8228 07354067 |
| BC LL | 0.0 PSF | HC-ENG DAL/AP |
| TOT.LD. | 40.0 PSF | SEON- 4693 REV |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TD68228Z01 |






110 mph wind, 19.49 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ GCpl(+/-)=0.18

REFER TO DRAWING PIGBACKB204 FOR PIGGYBACK DETAILS
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE
BRACED @ 24" O.C.

In lieu of rigid ceiling use purtins to brace BC @ 24" OC.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



1.5X4 III

2-2-8 Over 2 Supports

R=73 W=5.467"

R=42 PLF U=25 PLF W=1-6-10

PLT TYP. Wave

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

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

7.36.0424

QTY:1

FL/14/1E/1-1-

Scale = .5" / Ft.

"WARNING - FIRE'S RESULTING EXTREME CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO RC61 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (FRISSE PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCEA (WOOD RESEARCH COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO REPAIRING THESE FUNCTIONS. UNLESS SPECIFICALLY INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE/BE PROPERLY ATTACHED RIGID JOINTING.

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

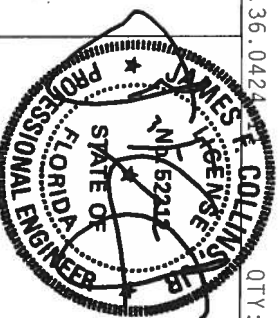
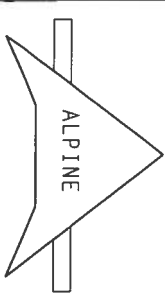
OF RECONSTRUCTION AND RESTORATION FROM THIS SECTION, AND FACTORY TO BUILD TRUSSES IN CONFORMANCE WITH
 IP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATE IS MADE OF 20/18/16GA (W. H. S. S. K) ASTM A653 GRADE 40/60 (W. K. H. S. S) GALV. STEEL. APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF STRUCTURAL ENGINEERING PROFESSIONAL SEALING FOR THE

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 0 776



Dec 20 07

| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11249 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354003 |
| BC LL | 0.0 PSF | HC-ENG | EC/DLJ |
| TOT.LD. | 40.0 PSF | SEQN- | 25684 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1TDG8228Z01 |

2 COMPLETE IRUSSES REQUIRED =
Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)

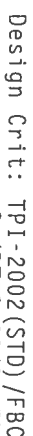
Nailing Schedule: (12d Common (0.148"x3.25", min.)_nails)

Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 12.00" o.c.
Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 20.71 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, $I_w=1.00$ GCP(+/-)=0.18

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


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

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

Scale = .5"/Ft.

| | | | |
|----------|----------|--------|-------------------|
| TC LL | 20.0 PSF | REF | R8228 - 11250 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 0734066 |
| BC LL | 0.0 PSF | HC-ENG | EC/DLJ |
| TOT.LD. | 40.0 PSF | SEQN - | 25696 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF - | 1IDG8228Z01 |

2 COMPLETE TRUSSES REQUIRED
Nailing Schedule: (12d Common (0.148"x3.25"

Bot Chord: 1 Row @12.00" 0.00"

webs : 1 Row @ 4" o.c.

use equal spacing between rows in each row to avoid splitting

Table 1

located within 4.50 ft from roof edge. CAT II, EXP B, wind Ic

Right end vertical not exposed to wind pressure.



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

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

7.36.0424

OTY:1

F11-141-F11-1-

$$Scale = 5''/ft$$

WARNING: THIS IS A REMOVED EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING RIFTER TO BECS) (BECAUSE OF THE COMPLEX SAFETY INFORMATION), PUBLISHED BY IP1 (TRUSS PASTE 1811111), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND MICA (GOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE STREET, MADISON, WI 53719) FOR SAFETY PRACTICES TO PERFORMING THESE FUNCTIONS. UNDESSED DETERMINED INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TROSS IN CONFORMANCE WITH TPI-OR FABRICATING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND THE
CONNECTOR PLATES ARE MADE OF 20/18/16GA (M.H./SS/X) ASTM A563 GRADE 40/60 (W. K/H.SS) GALV. STEEL. APPLY
LIGATE TO EACH FACE OF MEMBER AND WELD ATTACHED TO MEMBER.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP111 2002 SEC.3, A SEAL ON THIS

DESIGN SHOW. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/SPR 1 SEC. 2.

[illegible]

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 00798

0424 F. COLLINS
QTY

Dec 20 07

STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAMES E. COLLINS
No. 62212

| | | | |
|----------|----------|--------|--------------------|
| TC LL | 20.0 PSF | REF | R8228- 11251 |
| TC DL | 10.0 PSF | DATE | 12/20/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07354002 |
| BC LL | 0.0 PSF | HC-ENG | EC/DLJ |
| TOT. LD. | 40.0 PSF | SEQN- | 25702 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TDG8228Z01 |

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

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

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

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

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

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

ALPINE

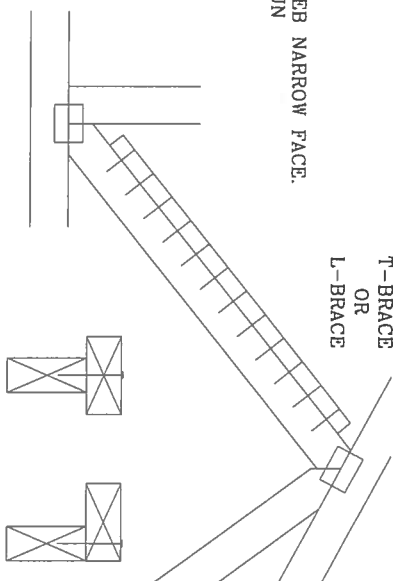
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

TESTS REQUIRE EXTREME CARE FABRICATING, JOINING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE STEEL INSTITUTE, 218 NORTH LEE ST., SUITE 312, ALXANDRIA, VA 22314 AND AISC C400 D TROSS COUNCIL, AMERICA 6300 ENTERPRISE LN, MDISON, MI 57179. FOR SAFETY PRACTICES PRIOR TO ERECTION. THESE PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV REG. NO. [REDACTED] SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN OR FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITV DOES NOT WARRANT THAT APPLICATION OF THIS NATIONAL DESIGN SPEC. BY ARCHITECT AND TPI WILL BE COMPATIBLE WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AIA/CES. SEE TPI DRAWING C-001 FOR DETAILS OF MEMBER SIZES AND CONNECTIONS. ALL MEMBERS SHOWN ARE 6061A ALUMINUM CHANNEL (W/ALSS) SIZE 40X60 (C/S) GALV. STEEL APPLY PLATES TO EACH END OF MEMBER. PERMANENTLY MARKED ON THIS MEMBER DESIGNATION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLACES INDICATED IS REQUIRED. SEE ANNEX A3 OF TPI-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI-1 SEC. 2.

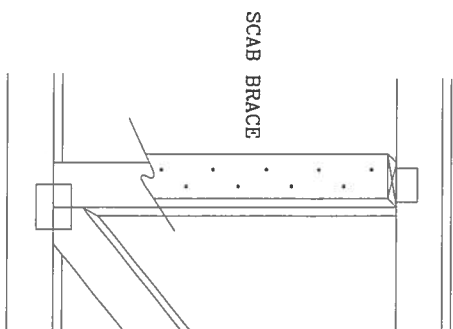
T-BRACING
OR
L-BRACING:

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



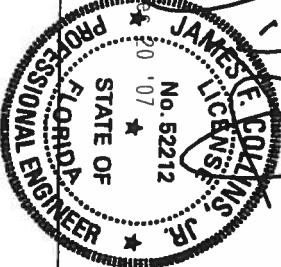
SCAB BRACING:

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

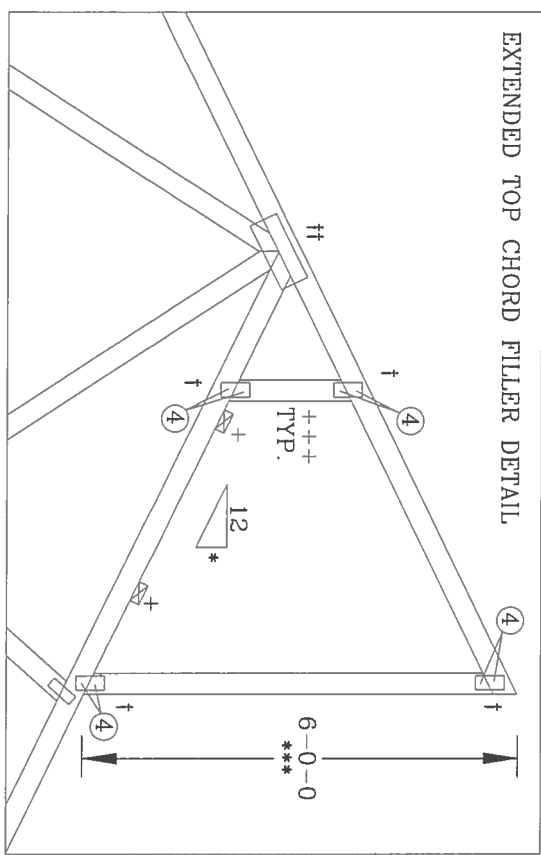


THIS DRAWING REPLACES DRAWING 579,640

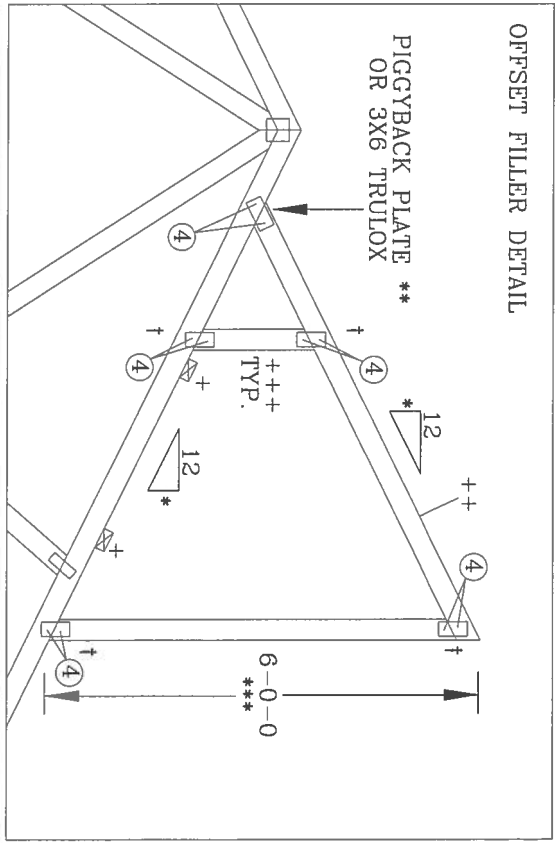
| TC LL | PSF | REF | CLB SUBST. |
|-----------|-----|------|--------------|
| TC DL | PSF | DATE | 2/23/07 |
| BC DL | PSF | DRWG | BRCLBSUB0207 |
| BC LL | PSF | -ENG | MLH/KAR |
| TOT. LD. | PSF | | |
| DUR. FAC. | | | |
| SPACING | | | |



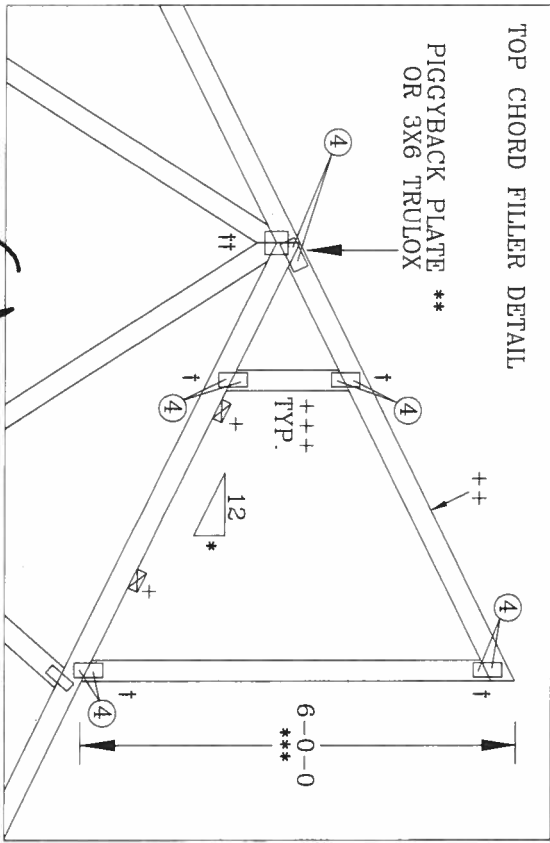
- + 2X4 CONTINUOUS LATERAL BRACING AT 24" O.C. MAXIMUM SPACING. ATTACH TO EACH TOP CHORD WITH (2) 16d COMMON (0.162"X 3.5" MIN) NAILS.
- BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.
- ++ 2X4 SO. PINE #2 N OR SPF #1/#2 FILLER TOP CHORD.
- +++ 2X4 SO. PINE #3 OR SPF #1/#2 VERTICAL WEBS SPACED 48" OC MAXIMUM.
- * 8/12 MAXIMUM PITCH.
- ** 2X8/25 PIGGYBACK SPECIAL PLATE. SEE DRAWING PIGGYBACK0699 FOR PIGGYBACK SPECIAL PLATE INFORMATION.
- *** 6'0" MAXIMUM HEIGHT.
- † W2X4 OR 3X6 TRULOX.
- †† REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.
- 0.120"X 1.375" NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF EACH TRUSS PLY. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS



EXTENDED TOP CHORD FILLER DETAIL



OFFSET FILLER DETAIL



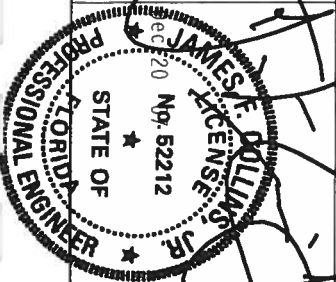
TOP CHORD FILLER DETAIL



ITW BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTION. REFER TO THE LATEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 6300 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO ERECTION. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN, INCLUDING, BUT NOT LIMITED TO, ERECTION, SHIPPING, INSTALLING & BRACING OF THE TRUSS, DESIGN CONFLICTS, WITH APPLICATIONS, PROVISIONS, AND/OR SPECIFICATIONS, SHALL BE THE RESPONSIBILITY OF THE USER. BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (44/155/20) ASTM A653 COATE 40/40A (44/155/20) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER ANNEK A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.



| | | | |
|---------------------------------------|--------------|------|--------------|
| THIS DRAWING REPLACES DRAWING 884,080 | | | |
| TC TL | MAX 30 PSF | REF | TC-FILLER |
| TC DL | MAX 15 PSF | DATE | 2/23/07 |
| BC DL | MAX 10 PSF | DRWG | TCFILLER0207 |
| BC LL | 0 PSF | ENG | SJP/KAR |
| TOT. LD. | MAX 55 PSF | | |
| DUR. FAC. | 1.15 OR 1.33 | | |
| SPACING | 24.0" | | |

BOTTOM CHORD FILLER DETAIL

* OPTIONAL INTERIOR OR CANTILEVER BEARING. MINIMUM PLATE SIZES (1X3 WAVE) MAY BE USED IF BEARING IS OMITTED. WEDGE OR VERTICAL MEMBER MUST COINCIDE WITH BEARING LOCATION.

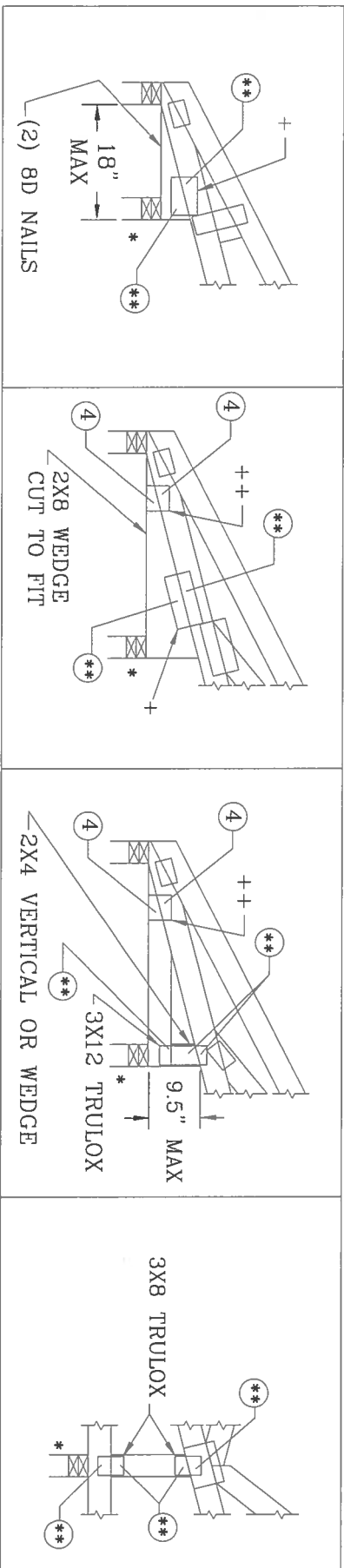
0.120" X 1.375", NAILS, REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG. 1601L FOR NAILING AND TRULOX PLATE REQUIREMENTS

+ 3X4 WAVE OR 4X8 TRULOX
++ 2X4 WAVE OR 3X6 TRULOX

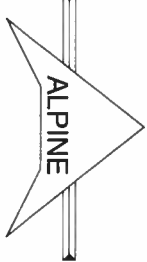
REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

ALL TRULOX PLATES SHOWN ARE MINIMUMS. LARGER PLATES MAY BE REQUIRED TO ACCOMMODATE REQUIRED NAILS (**)

| FILLER BOTTOM CHORD OR WEDGE SPECIES | MAXIMUM REACTION | | MINIMUM BEARING AREA | | ** REQUIRED NAILS PER FACE WITH TRULOX PLATES | | | | | |
|--------------------------------------|------------------|--------|----------------------|----|-----------------------------------------------|-------------|-------------|-------------|-------------|--|
| | DOWNWARD | UPLIFT | | | 1.00 D.O.L. | 1.15 D.O.L. | 1.25 D.O.L. | 1.33 D.O.L. | 1.60 D.O.L. | |
| DOUGLAS FIR-LARCH | 3281# | 1656# | 1.5" X 3.5" | 12 | 11 | 10 | 9 | 8 | | |
| HEM-FIR | 2126# | 1095# | 1.5" X 3.5" | 9 | 8 | 7 | 7 | 6 | | |
| SPRUCE-PINE-FIR | 2231# | 1192# | 1.5" X 3.5" | 10 | 9 | 8 | 8 | 6 | | |
| SOUTHERN PINE DENSE | 3465# | 1791# | 1.5" X 3.5" | 12 | 11 | 10 | 9 | 8 | | |
| SOUTHERN PINE | 2966# | 1492# | 1.5" X 3.5" | 10 | 9 | 8 | 8 | 7 | | |
| SOUTHERN PINE NON-DENSE | 2520# | 1343# | 1.5" X 3.5" | 9 | 8 | 7 | 7 | 6 | | |



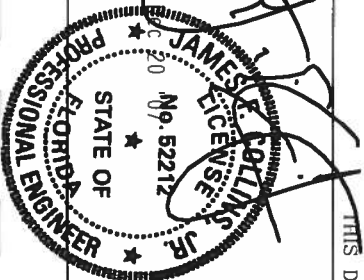
THIS DRAWING REPLACES DRAWINGS A115 A115/R & 884.132



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY ITW TRUSS PLATE MANUFACTURING, 2000 S.W. 31ST, ALEXANDRIA, VA 22304, AND TCA (VOID) TRUSS COUNCIL OF AMERICA, 1500 N. W. 10TH, MIAMI, FL 33136, FOR THE LATEST RECOMMENDED PRACTICES AND FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

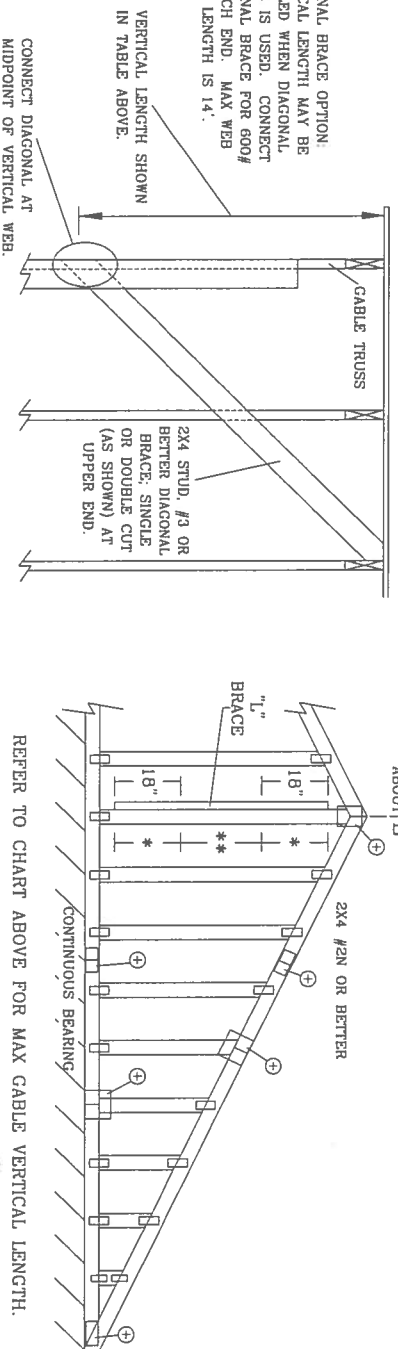
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN OR LOADS WITH APPLICABLE REQUIREMENTS OF RIGID JOINTS, DESIGN SPEC. BY AREA AND TCA, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, GALV. STEEL, APPLY PLATES TO EACH FACE OF THE TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. A SEAL, ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEK A3 OF TPI 1-2002 SEC. 3. A SEAL, ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



| | | | | |
|-----------|--------------------|-----|------|--------------|
| TC LL | — | PSF | REF | BC FILLER |
| TC DL | — | PSF | DATE | 2/23/07 |
| BC DL | 10.0 | PSF | DRWG | BCFILLER0207 |
| BC LL | — | PSF | — | ENG DLJ/KAR |
| TOT. LD. | — | PSF | | |
| DUR. FAC. | 1.0/1.15/1.25/1.33 | | | |
| SPACING | 24.0" | | | |

| 2X4 GABLE VERTICAL | | BRACE | | NO BRACES | | (1) 1X4 "L" BRACE * | | (1) 2X4 "L" BRACE * | | (2) 2X4 "L" BRACE ** | | (1) 2X6 "L" BRACE * | | (2) 2X6 "L" BRACE ** | |
|--------------------|---------|---------|----------|-----------|---------|---------------------|---------|---------------------|---------|----------------------|---------|---------------------|---------|----------------------|---------|
| SPACING | SPECIES | GRADE | BRACES | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B |
| 12" O.C. | SPF | #1 / #2 | 3' 10" | 6' 8" | 6' 10" | 7' 11" | 8' 1" | 9' 5" | 9' 8" | 12' 5" | 12' 9" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #3 | 3' 9" | 6' 0" | 6' 0" | 7' 11" | 9' 5" | 9' 5" | 12' 4" | 12' 4" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | STUD | 3' 9" | 6' 0" | 6' 0" | 7' 11" | 9' 5" | 9' 5" | 12' 3" | 12' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | STANDARD | 4' 3" | 5' 2" | 5' 2" | 6' 9" | 9' 1" | 9' 1" | 10' 7" | 10' 7" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| 16" O.C. | SPF | #1 | 4' 3" | 6' 8" | 7' 2" | 7' 11" | 8' 6" | 9' 5" | 10' 2" | 12' 5" | 13' 5" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #2 | 4' 2" | 6' 8" | 7' 2" | 7' 11" | 8' 6" | 9' 5" | 10' 2" | 12' 5" | 13' 5" | 14' 0" | 14' 0" | 14' 0" |
| | | | #3 | 4' 0" | 6' 1" | 6' 2" | 7' 11" | 8' 1" | 9' 5" | 9' 11" | 12' 5" | 12' 8" | 14' 0" | 14' 0" | 14' 0" |
| | | | STUD | 4' 0" | 6' 1" | 6' 1" | 7' 11" | 8' 0" | 9' 5" | 9' 11" | 12' 5" | 12' 6" | 14' 0" | 14' 0" | 14' 0" |
| 24" O.C. | SPF | #1 | 3' 10" | 5' 3" | 5' 3" | 6' 11" | 6' 11" | 9' 4" | 9' 4" | 10' 10" | 10' 10" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #2 | 4' 5" | 7' 8" | 7' 10" | 9' 1" | 9' 4" | 10' 10" | 11' 1" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #3 | 4' 4" | 7' 4" | 7' 4" | 9' 1" | 9' 1" | 10' 10" | 10' 10" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | STUD | 4' 4" | 7' 4" | 7' 4" | 9' 1" | 9' 1" | 10' 10" | 10' 10" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| 12" O.C. | SPF | #1 / #2 | 4' 10" | 6' 4" | 6' 4" | 8' 1" | 8' 4" | 9' 9" | 10' 10" | 12' 11" | 12' 11" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #2 | 4' 9" | 7' 8" | 8' 3" | 9' 1" | 9' 9" | 10' 10" | 11' 8" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #3 | 4' 6" | 7' 7" | 7' 7" | 9' 1" | 9' 6" | 10' 10" | 11' 4" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | STUD | 4' 6" | 7' 6" | 7' 6" | 9' 1" | 9' 6" | 10' 10" | 11' 4" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| 16" O.C. | SPF | #1 | 4' 5" | 6' 5" | 6' 5" | 8' 6" | 8' 6" | 10' 10" | 11' 1" | 13' 3" | 13' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #2 | 4' 11" | 8' 5" | 8' 8" | 10' 0" | 10' 3" | 11' 11" | 12' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #3 | 4' 9" | 8' 5" | 8' 5" | 10' 0" | 10' 0" | 11' 11" | 11' 11" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | STUD | 4' 9" | 8' 5" | 8' 5" | 10' 0" | 10' 0" | 11' 11" | 11' 11" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| 24" O.C. | SPF | #1 | 5' 4" | 7' 3" | 7' 3" | 9' 7" | 9' 7" | 11' 11" | 11' 11" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #2 | 5' 4" | 8' 5" | 9' 1" | 10' 0" | 10' 0" | 10' 9" | 11' 11" | 12' 10" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #3 | 5' 3" | 8' 5" | 9' 1" | 10' 0" | 10' 0" | 10' 9" | 11' 11" | 12' 10" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | STUD | 5' 0" | 8' 5" | 8' 5" | 10' 0" | 10' 6" | 11' 11" | 12' 6" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| 12" O.C. | DFL | #1 | 4' 11" | 7' 5" | 7' 5" | 9' 10" | 9' 10" | 11' 11" | 11' 11" | 12' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #2 | 5' 0" | 8' 5" | 8' 7" | 10' 0" | 10' 6" | 11' 11" | 12' 6" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #3 | 5' 0" | 8' 5" | 8' 7" | 10' 0" | 10' 6" | 11' 11" | 12' 6" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | STUD | 4' 11" | 7' 5" | 7' 5" | 9' 10" | 9' 10" | 11' 11" | 12' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |

MAX GABLE VERTICAL LENGTH



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

| GABLE VERTICAL PLATE SIZES | |
|---------------------------------------------------------|-----------|
| VERTICAL LENGTH LESS THAN 4' 0" | NO SPLICE |
| VERTICAL LENGTH GREATER THAN 4' 0" BUT LESS THAN 11' 6" | 2X4 |
| VERTICAL LENGTH GREATER THAN 11' 6" | 2.5X4 |

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4' O.C. BETWEEN ZONES.

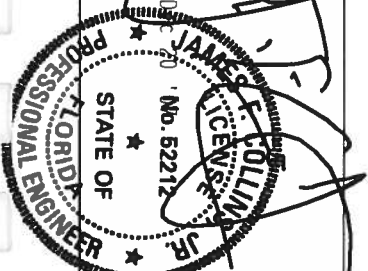
** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6' O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

| BRACING GROUP SPECIES AND GRADES: | | | |
|-----------------------------------|-------------------|-------------------|-------------------|
| GROUP A: | | GROUP B: | |
| SPRUCE-PINE-FIR | HEM-FIR | SPRUCE-PINE-FIR | HEM-FIR |
| #1 / #2 | #2 | #1 / #2 | #2 |
| STANDARD | STANDARD | STANDARD | STANDARD |
| DOUGLAS FIR-LARCH | DOUGLAS FIR-LARCH | DOUGLAS FIR-LARCH | DOUGLAS FIR-LARCH |
| #3 | #3 | #3 | #3 |
| STUD | STUD | STUD | STUD |
| STANDARD | STANDARD | STANDARD | STANDARD |

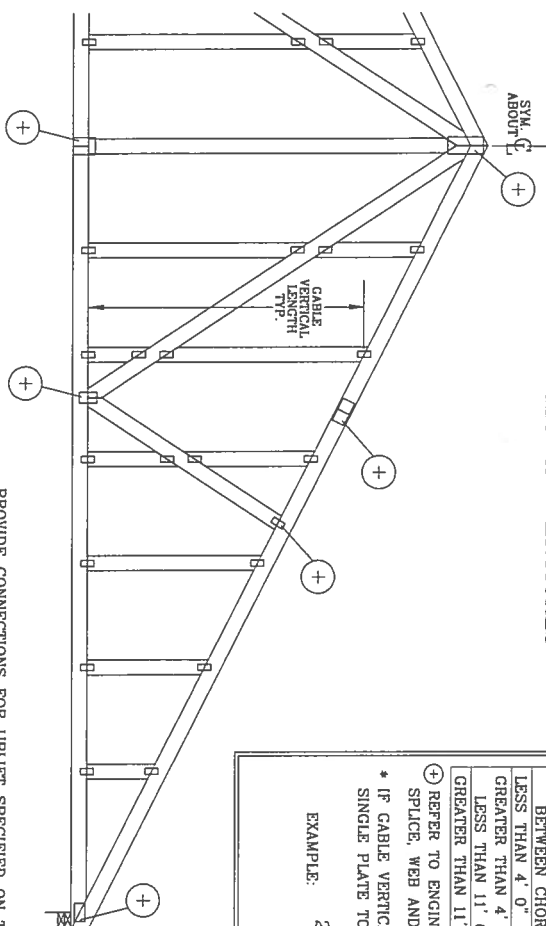


ITV BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA



| | |
|----------------------|----------------------|
| MAX. TOT. LD. 60 PSF | REF ASC7-02-CAB11015 |
| MAX. SPACING 24' 0" | DATE 2/23/07 |
| | DRWG A11015E0207 |
| | -ENG |

CABLE DETAIL FOR LET-IN VERTICALS

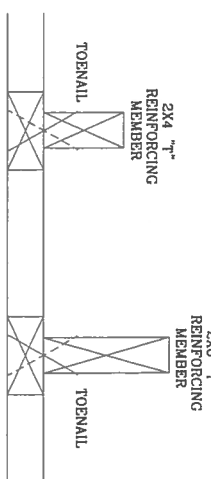
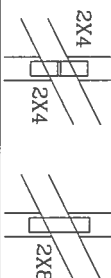


| CABLE VERTICAL PLATE SIZES | | |
|-----------------------------------------|------------|--------------------|
| VERTICAL LENGTH BETWEEN CHORDS | PLATE SIZE | IF PLATES OVERLAP* |
| LESS THAN 4' 0" | 1X4 OR 2X3 | 2X6 |
| GREATER THAN 4' 0" BUT LESS THAN 11' 6" | 2X4 | 2X8 |
| GREATER THAN 11' 6" | 2.5X4 | 2.5X8 |

④ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK SPLICE, WEB AND HEEL PLATES.

* IF CABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2x4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL, FOR ASCE OR SPCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

| WIND SPEED AND MRH | | 7 th REINF. MBR. SIZE | SBCI | ASCE |
|-----------------------|-----|-------------------------------------|------|------|
| 110 MPH | 2x4 | 10 % | 10 % | 10 % |
| 15 FT | 2x6 | 40 % | 50 % | 50 % |
| 110 MPH | 2x4 | 10 % | 10 % | 10 % |
| 30 FT | 2x6 | 50 % | 50 % | 50 % |
| 100 MPH | 2x4 | 10 % | 10 % | 10 % |
| 15 FT | 2x6 | 30 % | 50 % | 50 % |
| 100 MPH | 2x4 | 10 % | 10 % | 10 % |
| 30 FT | 2x6 | 40 % | 40 % | 40 % |
| 90 MPH | 2x4 | 20 % | 10 % | 10 % |
| 15 FT | 2x6 | 20 % | 40 % | 40 % |
| 90 MPH | 2x4 | 10 % | 10 % | 10 % |
| 30 FT | 2x6 | 30 % | 50 % | 50 % |
| 80 MPH | 2x4 | 10 % | 20 % | 20 % |
| 15 FT | 2x6 | 10 % | 30 % | 30 % |
| 80 MPH | 2x4 | 20 % | 10 % | 10 % |
| 30 FT | 2x6 | 40 % | 40 % | 40 % |
| 70 MPH | 2x4 | 0 % | 20 % | 20 % |
| 15 FT | 2x6 | 0 % | 20 % | 20 % |
| 70 MPH | 2x4 | 10 % | 20 % | 20 % |
| 30 FT | 2x6 | 10 % | 30 % | 30 % |

EXAMPLE:

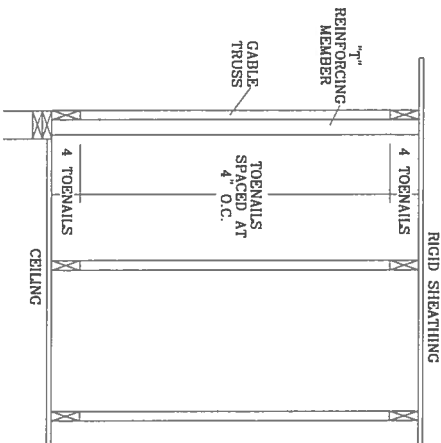
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT

CABLE VERTICAL = 24" O.C. SP #3
"J" REINFORCING MEMBER SIZE = 2X4

"J" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"

1.10 x 6' 7" = 7' 3"

THIS DRAWING REPLACES DRAWINGS CAB98117 876,719 & HC26294035



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN
ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148" X 3." MIN) TOENAILS AT 4" O.C. PLUS
(4) 18d COMMON (0.162" X 3.5." MIN) TOENAILS IN TOP AND BOTTOM CHORD.
GUNN DRIVEN NAILS:
8d COMMON (0.131" X 2.5." MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.
THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE CABLE DETAIL FOR ASCE
OR SBCCI WIND LOAD.

ASCE 7-93 CABLE DETAIL DRAWINGS

A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207,
A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207

ASCE 7-98 CABLE DETAIL DRAWINGS

A13015EC0207, A12015EC0207, A11015EC0207, A0015EC0207, A0B515EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A0B530EC0207

ASCE 7-02 CABLE DETAIL DRAWINGS

A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207,
A13030EE0207 A12030EE0207 A11030EE0207 A10030EE0207 A08530EE0207

ASCE 7-05 CABLE DETAIL DRAWINGS

A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207, A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCI)

SEE APPROPRIATE ALPINE CABLE DETAIL (ASCE OR WIND LOAD) FOR MAXIMUM UNREINFORCED CABLE VERTICAL LENGTH.

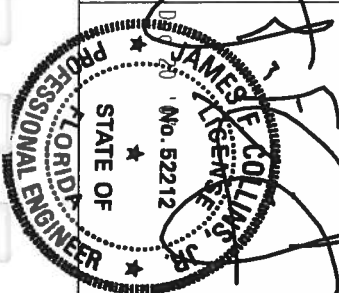
ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

WARNING THESE REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSD BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLANT INSTITUTE, 218 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22304 AND VITA/CORD TRUSS COUNCIL, AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THE CONNECTIONS. UNLESS OTHERWISE INDICATED, ALL CHORDS SHALL HAVE PREDETERMINED ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITU BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING OF TRUSSES, DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AREA/A AND TPI.

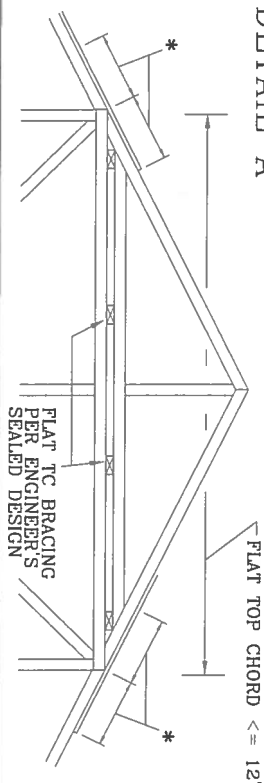
ITU BCG CONNECTOR PLATES ARE MADE OF 20B/16GA (W/4.5X5.5) ASTM A653 GRADE 40/60 (W/4.5X.55) GALV. COATING PER DRAWINGS 1600-2. ALL CONNECTIONS OF PLATES FOLLOWED BY T SHALL BE PER ANNEK A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER MS1/TPI 1 SEC. 2.



| | |
|--------------|---------------|
| REF | LET-IN VERT |
| DATE | 2/23/07 |
| DRWG | GBLLETTINO207 |
| -ENG | DLJ/KAR |
| MAX TOT. LD. | 60 PSF |
| DUR. FAC. | ANY |
| MAX SPACING | 24.0" |

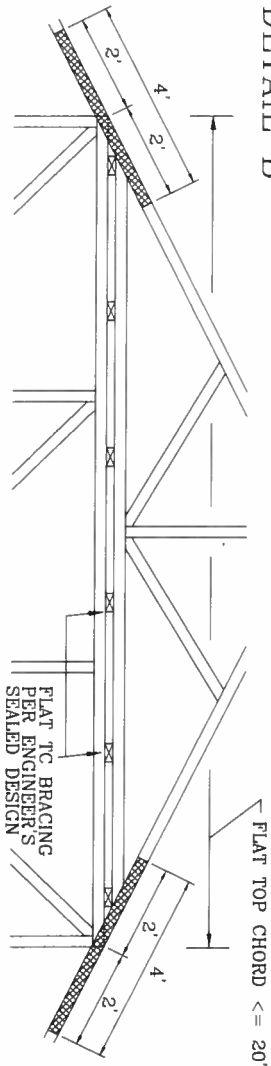
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98,
CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II,
EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

DETAIL A



* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5")
OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

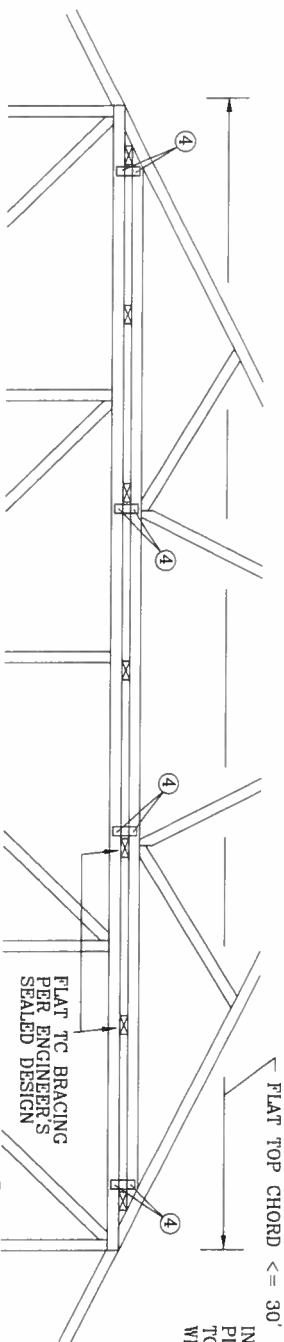
DETAIL B



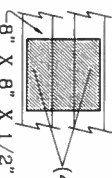
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C

CAP TRUSS TENSIONED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRUSS PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS
CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 1607L FOR TRUSS INFORMATION.



IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.



8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 8d COMMON NAILS PER GUSSET, (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

ALPINE

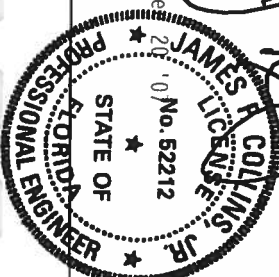
ITW BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

■WARNING: THESE REDUCE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTION. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLAN INSTITUTE, 2108 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304 AND VITA GOOD ROSS CONNECTOR, 5500 EIGHTH AVE., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. SOLO ERECTION OF THIS TRUSS CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

■IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ILL. BFG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTION OF TRUSSES. DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AISC/AIA AND TPI.

■V-BEG CONNECTOR PLATES ARE MADE OF 2010/16GA OR COLD-ROLLED STEEL 4653 GRADE 40/60 (40/60 C/H/45/53 DESIGN POSITION PER DRAWINGS 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228,

No. 52212



| | | | |
|--------------|--------|------|--------------|
| TC LL | PSF | REF | PIGCYBACK |
| TC DL | PSF | DATE | 2/23/07 |
| BC DL | PSF | DRWG | PIGBACKA0207 |
| BC LL | PSF | -ENG | DLJ/KAR |
| TOT. LD. MAX | 60 PSF | | |
| DUR. FAC. | 1.15 | | |
| SPACING | 24.0" | | |

PIGGYBACK DETAIL

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

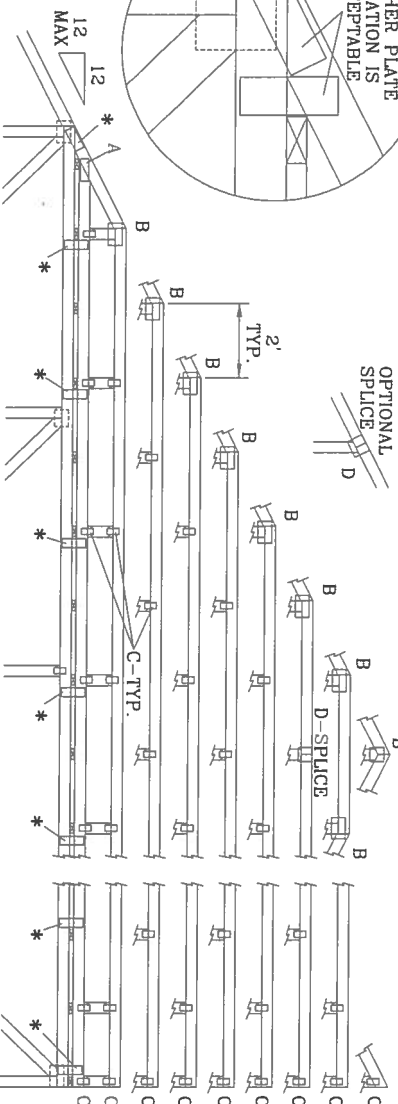
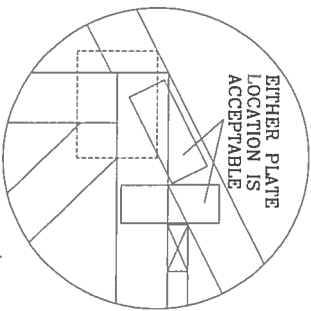
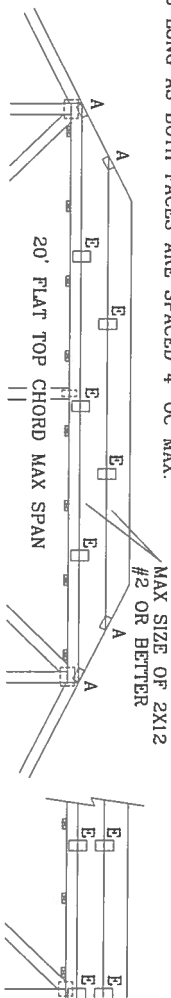
ATTACH PURLINS TO TOP OF PLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

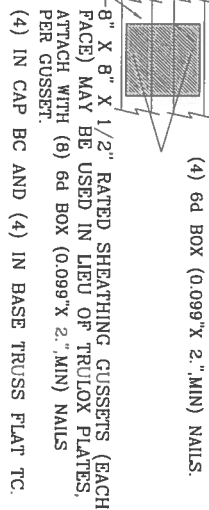
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30' MEAN HGT, ASCE 7-98, ASCE 7-02 OR
ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II,
EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF
110 MPH WIND, 30' MEAN HGT, SBC
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E*) PLATES MAY BE OFFSET FROM BACK FACE
PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.



*ATTACH PIGGYBACK WITH 3X8 TRUSS OR ALPINE PIGGYBACK SPECIAL PLATE.



(4) 6d BOX (0.099" X 2" MIN) NAILS.
8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRUSS PLATES, ATTACH WITH (8) 6d BOX (0.099" X 2" MIN) NAILS PER GUSSET.
(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

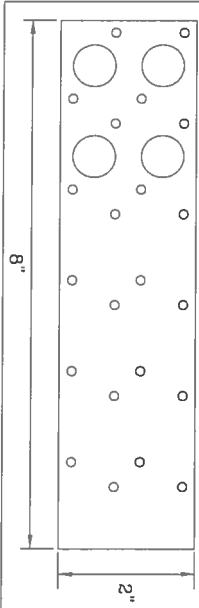
| JOINT TYPE | SPANS UP TO | | | |
|------------|-----------------------------------------------|-------|-------|-------|
| | 30' | 34' | 38' | 52' |
| A | 2X4 | 2.5X4 | 2.5X4 | 3X5 |
| B | 4X6 | 5X6 | 5X6 | 5X6 |
| C | 1.5X3 | 1.5X4 | 1.5X4 | 1.5X4 |
| D | 5X4 | 5X5 | 5X5 | 5X6 |
| E | 4X6 OR 3X8 TRUSS AT 4' OC, ROTATED VERTICALLY | | | |

ATTACH TRUSS PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRUSS INFORMATION.

| WEB LENGTH | REQUIRED BRACING |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 0' TO 7'9" | NO BRACING |
| 7'9" TO 10' | 1x4 "T" BRACE, SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113" X 2.5" MIN) NAILS AT 4' OC. |
| 10' TO 14' | 2x4 "T" BRACE, SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135" X 3.5" MIN) NAILS AT 4' OC |

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



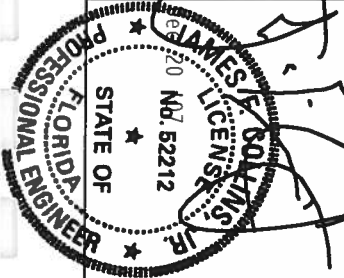
THIS DRAWING REPLACES DRAWINGS 634.016 634.017 & 847.045



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TRUSS MANUFACTURER'S INSTRUCTIONS FOR SAFETY INFORMATION. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEXINGTON AVENUE, SUITE 100, NEW YORK, NY 10017. (212) 691-1100. TRUSS PLATE INSTITUTE OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719. FOR SAFETY PRACTICES, PLEASE REFER TO THE TRUSS FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

PERMITTING FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THIS DESIGN, INCLUDING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN DESIGN CONFLICTS WITH APPLICABLE PROVIDING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ITW BCG CONNECTOR PLATES ARE MADE OF 200/8/16GA (A/H/SS/20) WITH 4053 GADE 4053 AND 100 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160-2. AN INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER ANNEK A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLLEY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND THIS RESPONSIBILITY FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. E.



| | | | |
|----------------|----------------|------|--------------|
| MAX LOADING | 55 PSF AT | REF | PIGGYBACK |
| | 1.33 DUR. FAC. | DATE | 2/23/07 |
| 50 PSF AT | 1.25 DUR. FAC. | DRWG | PIGBACKB0207 |
| | 47 PSF AT | -ENG | DLJ/KAR |
| 1.15 DUR. FAC. | | | |
| SPACING | 24.0" | | |

26590

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 321 N.W. 3rd Avenue, Suite 107 City Lake City State FL Zip 32055
Company Business License No. JS100276 Company Phone No. 904-755-3611 • 352-494-5751
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Trautman Construction Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 233 SW 2nd Avenue, Suite 107, Lake City, FL 32055

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 1.2 Inside 1.2 Type of Fill 12" x

Section 4: Treatment Information

Date(s) of Treatment(s) 1-31-08
Brand Name of Product(s) Used B-Terminator
EPA Registration No. 57463-149
Approximate Final Mix Solution % 1.06
Approximate Size of Treatment Area: Sq. ft. 3646 Linear ft. 242 Linear ft. of Masonry Voids 242
Approximate Total Gallons of Solution Applied 515
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Jeffrey Brannon Certification No. (if required by State law) _____

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature Jeffrey Brannon Date 1-31-08

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)



Engineers • Planners

161 N.W. Madison St. Suite 10
Lake City, Florida 3205
Tel: 386-758-420
Fax: 386-758-429

January 31, 2008

Columbia County Building and Zoning

RE: Lot 2 Southwood Meadows ,Property ID# 03405-102

PERMIT # 26590

To whom it may concern:

I have reviewed the Flood Insurance Rate Map and have determined the property is not located in a flood zone. I have performed a site evaluation of the existing area. I certify that placing the finished floor a minimum of 12" above finished grade is adequate to prevent flood and water damage. Grade the perimeter so that all runoff drains away from the building.

Sincerely,

William H. Freeman, P.E. #56001
President
Cert. Of Authorization #00008701

CERTIFICATE OF OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 01-5S-16-03405-102

Building permit No. 000026590

Use Classification SFD/UTILITY

Fire: 51.36

Permit Holder ISAAC BRATKOVICH

Waste: 134.00

Owner of Building ISAAC HOLDINGS, INC.

Total: 185.36

Location: 233 SW MEADOW TERR., LAKE CITY, FL

Date: 02/20/2009

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

