# ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
 Document ID:1TB18228Z0124134501

| | |
|---|---|
| Truss Fabricator: | Anderson Truss Company |
| Job Identification: | 7-212--OWNER BUILDER Josh Campbell -- 386-984-6589-C |
| Truss Count: | 26 |
| Model Code: | Florida Building Code 2004 and 2006 Supplement |
| Truss Criteria: | ANSI/TPI-2002(STD)/FBC |
| Engineering Software: | Alpine Software,Version 7.36. |
| Minimum Design Loads: | Roof - 40.0 PSF @ 1.25 Duration |
| | Floor - N/A |
| | Wind - 110 MPH ASCE 7-02 -Closed |

Seal Date: 09/24/2007

-Truss Design Engineer-

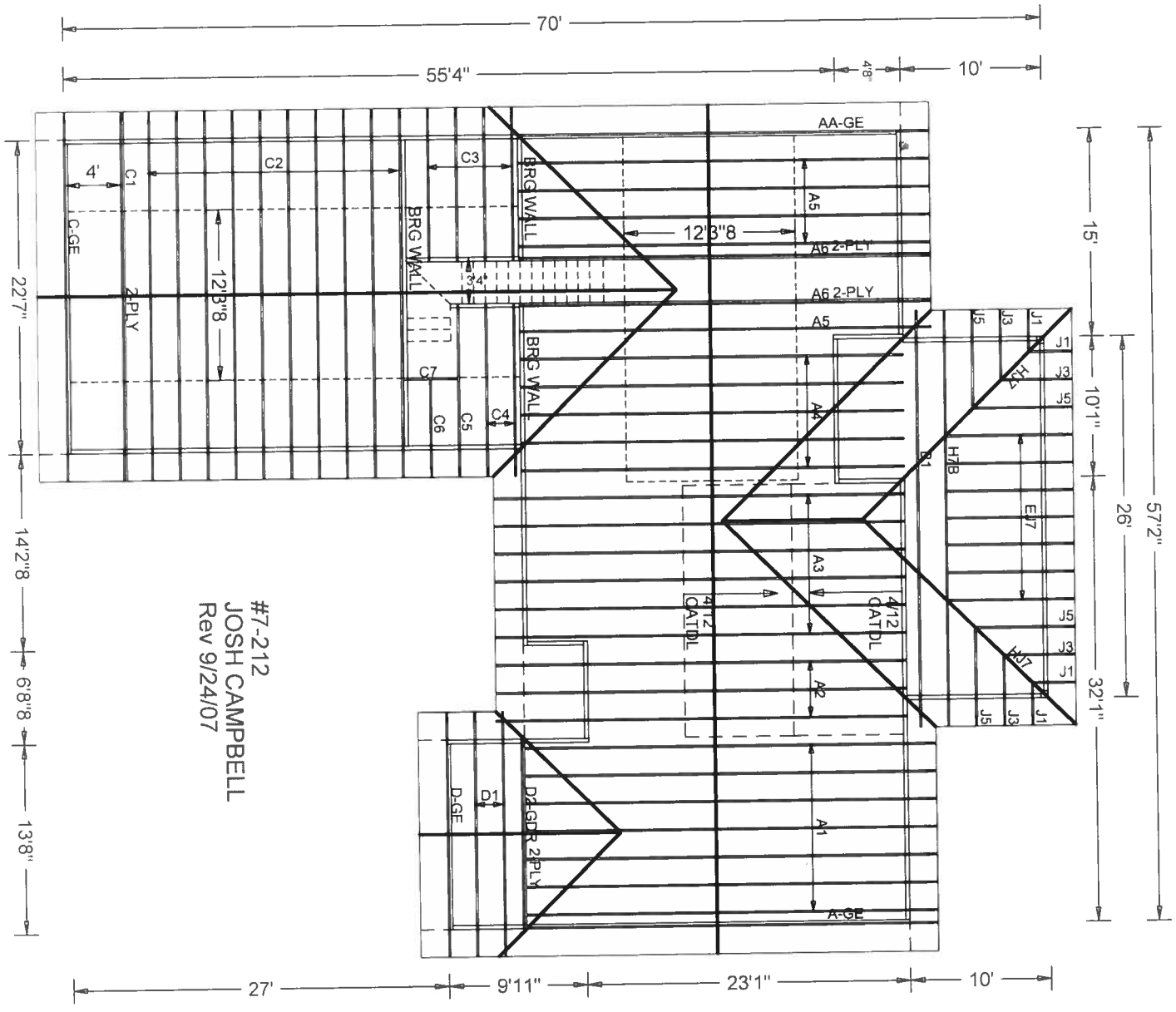
1950 Marley Drive
Haines City, FL 33844

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. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: A11015EE-GBLLETIN-BRCLBSUB-

| # | Ref | Description | Drawing# | Date |
|---|---|---|---|---|
| 1 | 40812 | A5 | 07267010 | 09/24/07 |
| 2 | 40813 | A1 | 07267017 | 09/24/07 |
| 3 | 40814 | A2 | 07267018 | 09/24/07 |
| 4 | 40815 | A3 | 07267016 | 09/24/07 |
| 5 | 40816 | A6 | 07267012 | 09/24/07 |
| 6 | 40817 | AA-GE | 07267001 | 09/24/07 |
| 7 | 40818 | A-GE | 07267013 | 09/24/07 |
| 8 | 40819 | A4 | 07267014 | 09/24/07 |
| 9 | 40820 | H7B | 07267001 | 09/24/07 |
| 10 | 40821 | B1 | 07267011 | 09/24/07 |
| 11 | 40822 | C2 | 07267005 | 09/24/07 |
| 12 | 40823 | C1 | 07267015 | 09/24/07 |
| 13 | 40824 | C-GE | 07267007 | 09/24/07 |
| 14 | 40825 | D1 | 07267002 | 09/24/07 |
| 15 | 40826 | D-GE | 07267025 | 09/24/07 |
| 16 | 40827 | D2-GDR | 07267004 | 09/24/07 |
| 17 | 40828 | J1 | 07267023 | 09/24/07 |
| 18 | 40829 | HJ7 | 07267020 | 09/24/07 |
| 19 | 40830 | J3 | 07267022 | 09/24/07 |
| 20 | 40831 | J5 | 07267021 | 09/24/07 |
| 21 | 40832 | EJ7 | 07267024 | 09/24/07 |
| 22 | 40833 | C3 | 07267008 | 09/24/07 |
| 23 | 40834 | C6 | 07267009 | 09/24/07 |
| 24 | 40835 | C7 | 07267006 | 09/24/07 |
| 25 | 40836 | C5 | 07267003 | 09/24/07 |
| 26 | 40837 | C4 | 07267019 | 09/24/07 |




#7-212
JOSH CAMPBELL
Rev 9/24/07

JOB DESCRIPTION:: OWNER BUILDER
/: Josh Campbell

JOB NO: 7-212

PAGE NO: 1 OF 1

Top chord 2x4 SP #2 Dense :T2, T3 2x8 SP SS:
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

Calculated horizontal deflection is 0.15" due to live load and 0.27" due to dead load.

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

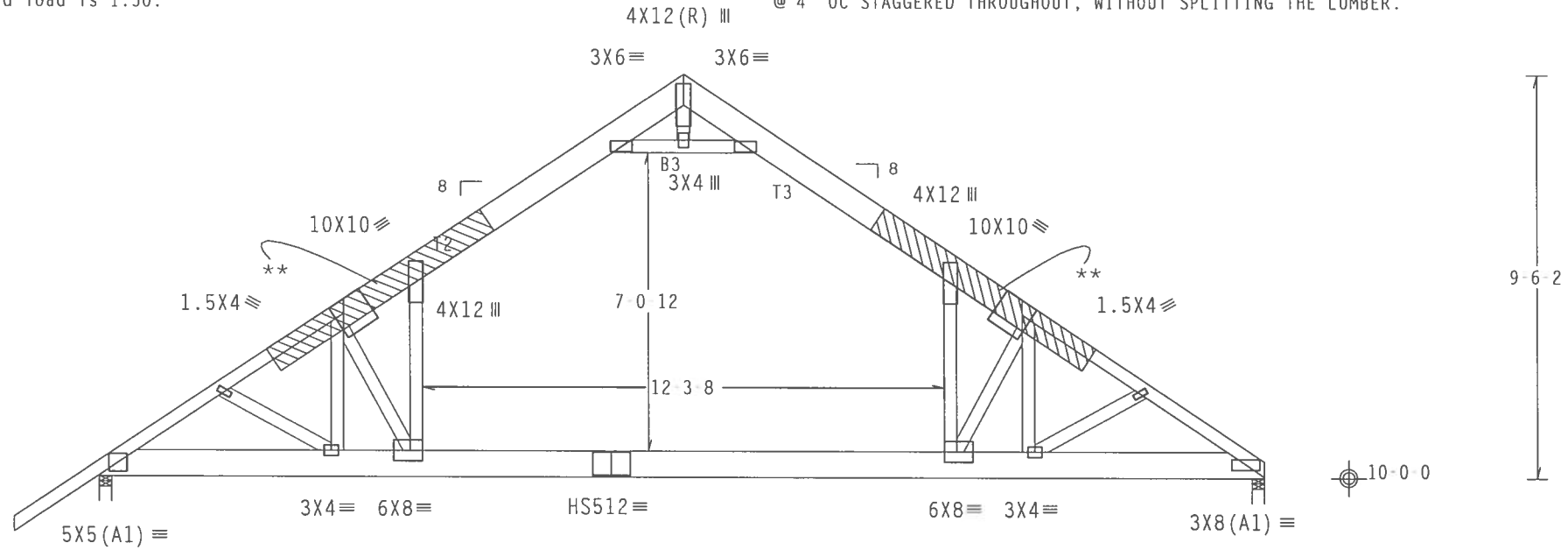
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

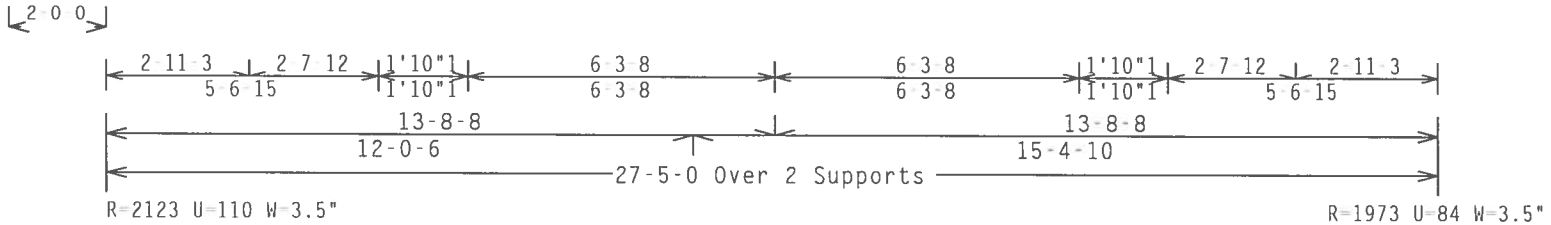
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-6-12 to 19-10-4.

** (1) 2x8x(6-0-0) TRIMMED TO FIT SP #SS OR BETTER SCAB. ATTACH ONE SCAB TO ONE FACE OF TRUSS USING 0.128"X3.0" NAILS @ 4" OC STAGGERED THROUGHOUT, WITHOUT SPLITTING THE LUMBER.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave | Cq/RT=1.00(1.25)/0(0) | 7.36.0424.12 | QTY:1 | FL/4/-/-/-/R/- | Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

**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 WTCA (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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (H,H/SS/K) ASTM A653 GRADE 40/60 (H, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-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.

| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40812 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267010 |
| BC LL | 0.0 PSF | HC-ENG DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- 49012 |
| DUR.FAC. | 1.25 | |
| SPACING | 24.0" | JREF- 1TB18228Z01 |

( 7-212--OWNER BUILDER Josh Campbell -- 386-984-6589-C - A1 )

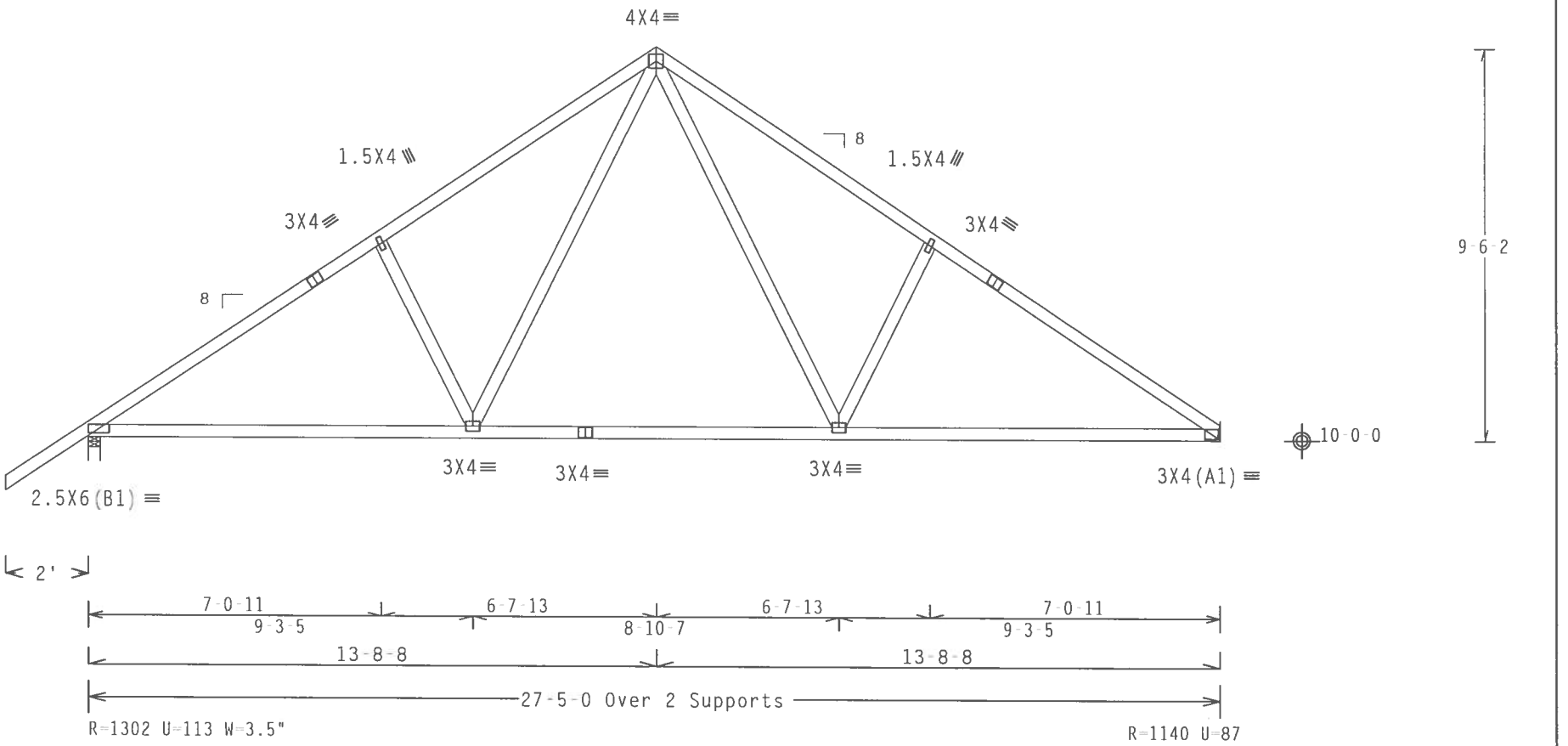
THIS DRG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot 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.

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

Wind reactions based on MWFRS pressures.




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/-/-/-/R/- Scale =.25"/Ft.

ALPINE

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FL Certificate of Authorization

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| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40813 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267017 |
| BC LL | 0.0 PSF | HC-ENG DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- 49169 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TB18228Z01 |

( 7-212--OWNER BUILDER Josh Campbell -- 386-984-6589-C - A2 )

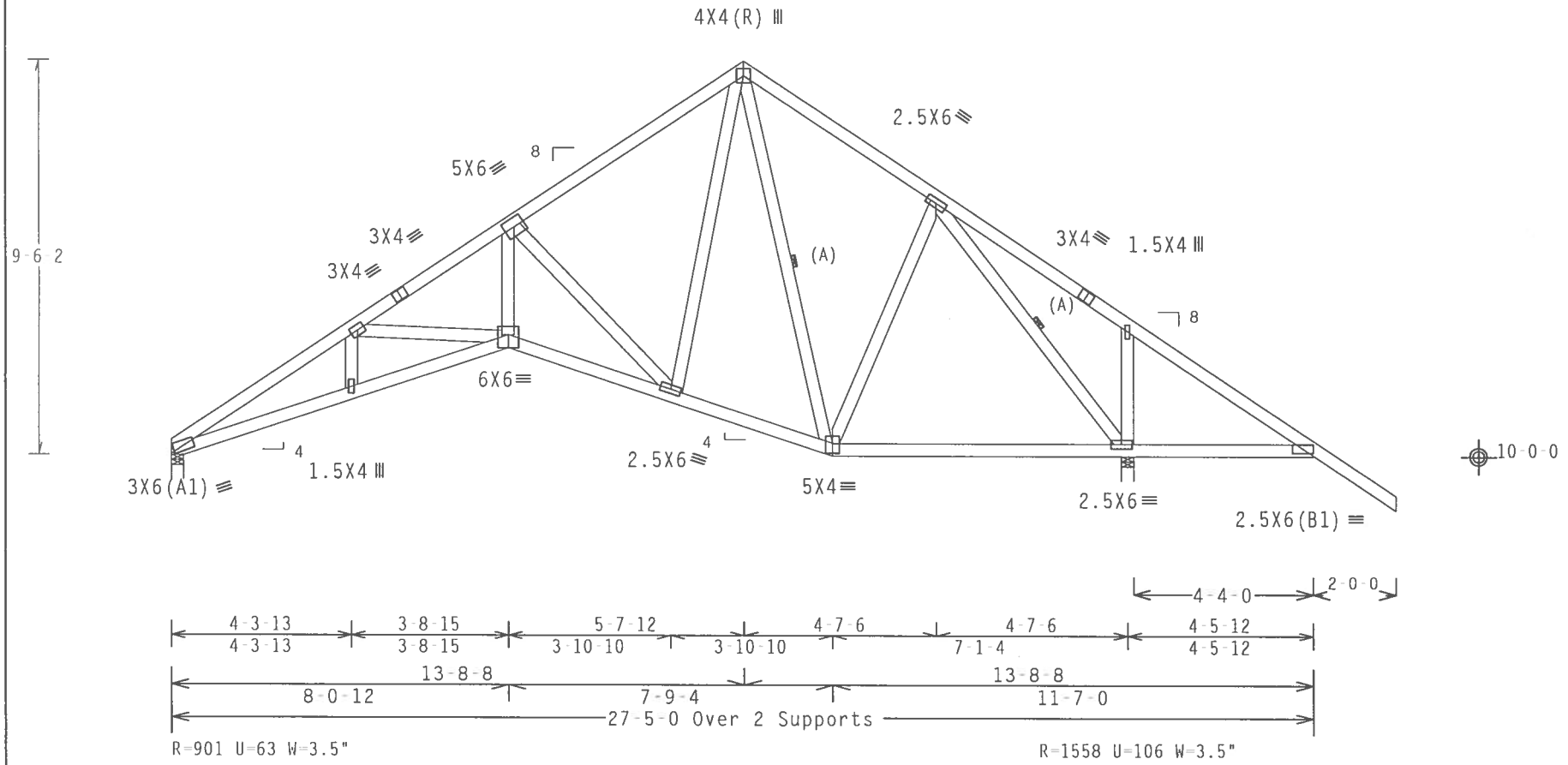
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

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

Wind reactions based on MWFRS pressures.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.0424.12

QTY:1 FL/4/-/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40814 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267018 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF * |
| TOT.LD. | 40.0 PSF | SEQN- | 49195 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JRFF- | 1TB18228Z01 |

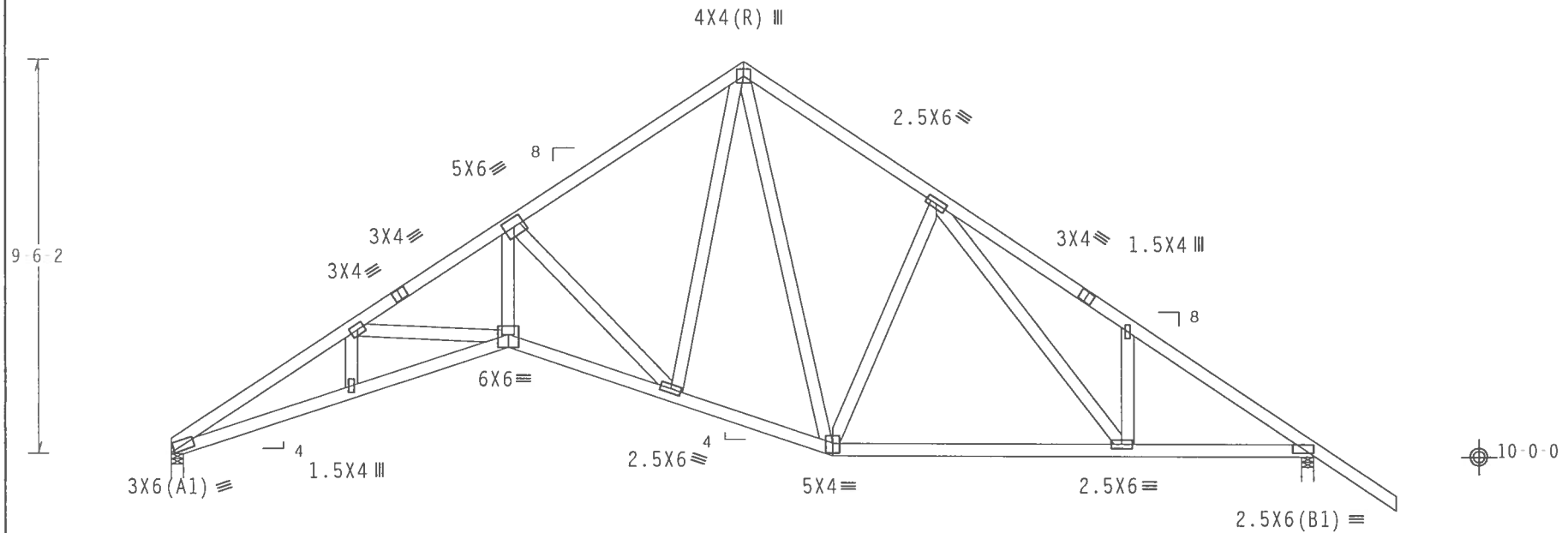
( 7-212 OWNER BUILDER Josh Campbell -- 386-984-6589-C - A3 )

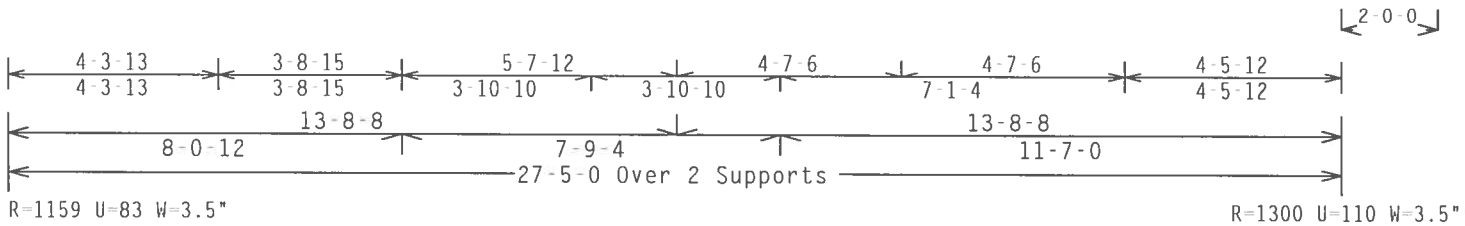
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

Wind reactions based on MWFRS pressures.




Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.12

PLT TYP. Wave

QTY:1 FL/4/-/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 662

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| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40815 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267016 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF * |
| TOT.LD. | 40.0 PSF | SEQN- | 49189 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JRFF- | 1TB18228Z01 |

Top chord 2x4 SP #2 Dense :T2, T3 2x8 SP SS:
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

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

Wind reactions based on MWFRS pressures.

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

Trusses to be spaced at 32.5" OC maximum.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-6-12 to 19-10-4.

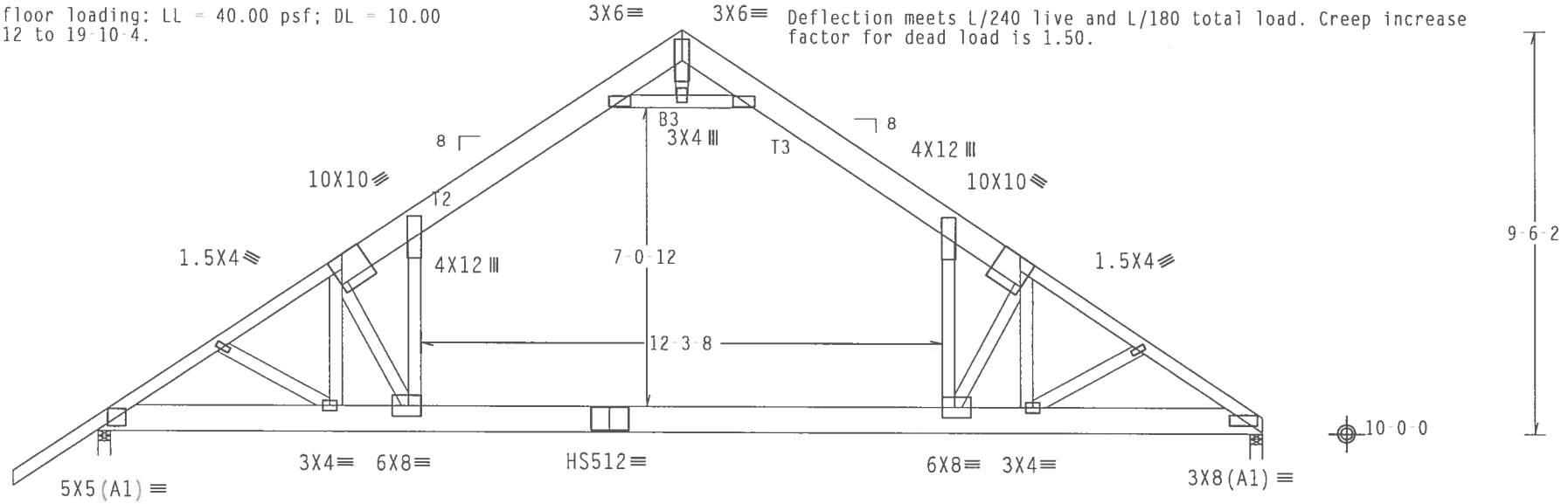
## 2 COMPLETE TRUSSES REQUIRED

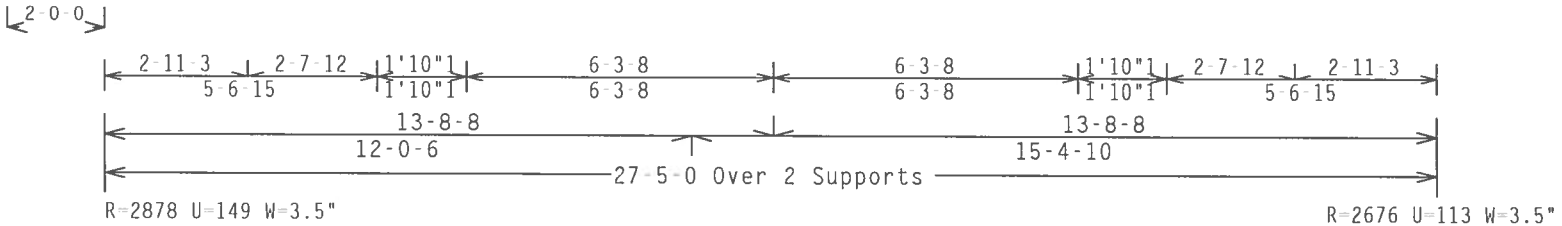
Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Calculated horizontal deflection is 0.10" due to live load and 0.19" due to dead load.

4X12(R) Collar-tie braced with continuous lateral bracing at 24" OC.

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




Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave | Cq/RT=1.00(1.25)/0(0) | 7.36.0424.12 | QTY:1 | FL/4/-/-/-/R/- | Scale =.25"/Ft.

ALPINE

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| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40816 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267012 |
| BC LL | 0.0 PSF | HC-ENG DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- 49202 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 32.5" | JREF- 1TB18228Z01 |

(7-212--OWNER BUILDER Josh Campbell -- 386-984-6589-C - AA-GE)

Top chord 2x4 SP #2 Dense :T3, T4 2x8 SP SS:
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

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

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-6-12 to 19-10-4.

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

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

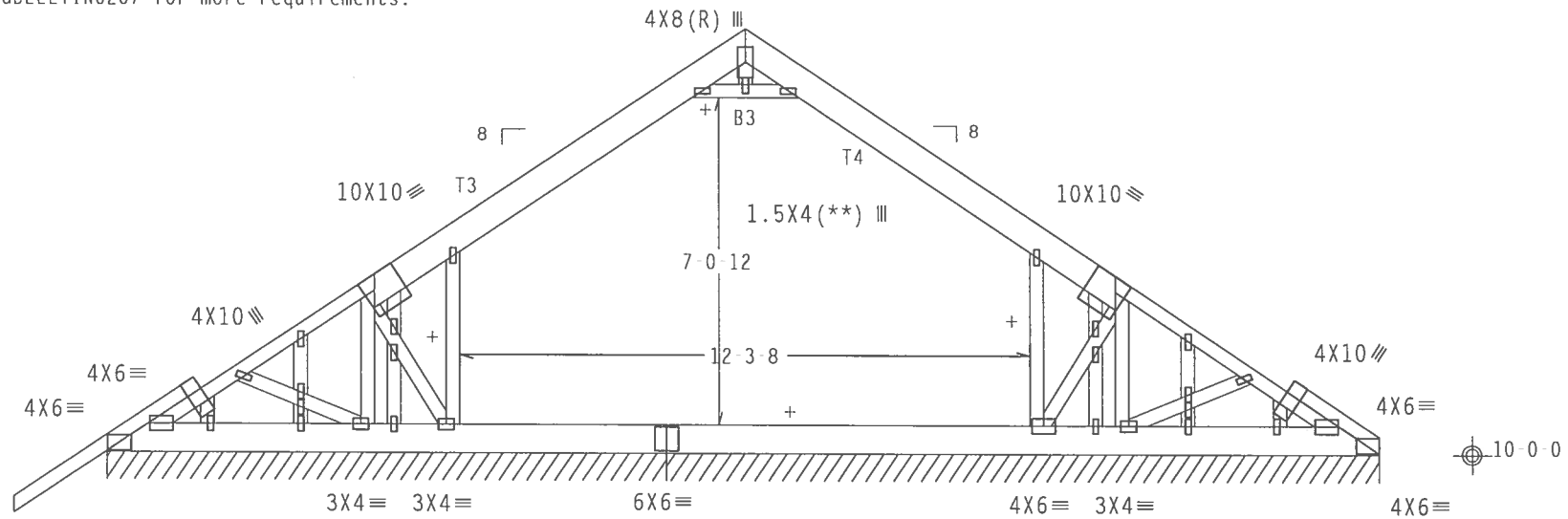
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind reactions based on MWFRS pressures.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

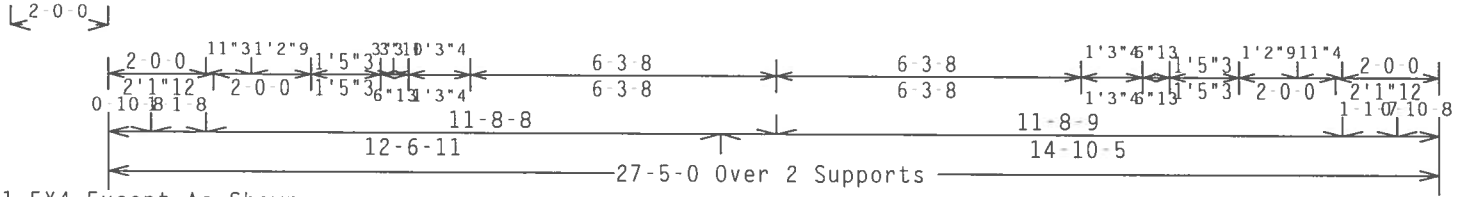
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.




R=235 PLF U=8 PLF W=12-0-0

R=155 PLF U=6 PLF W=15-5-0




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) 7.36.0424.12 QTY:1 FL/4/-/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40817 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267001 |
| BC LL | 0.0 PSF | HC-ENG | SSB/AP |
| TOT.LD. | 40.0 PSF | SEQN- | 51256 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | SEE ABOVE | JREF- | 1TB18228Z01 |

( 7-212--OWNER BUILDER Josh Campbell -- 386-984-6589-C - A-GE )

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

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

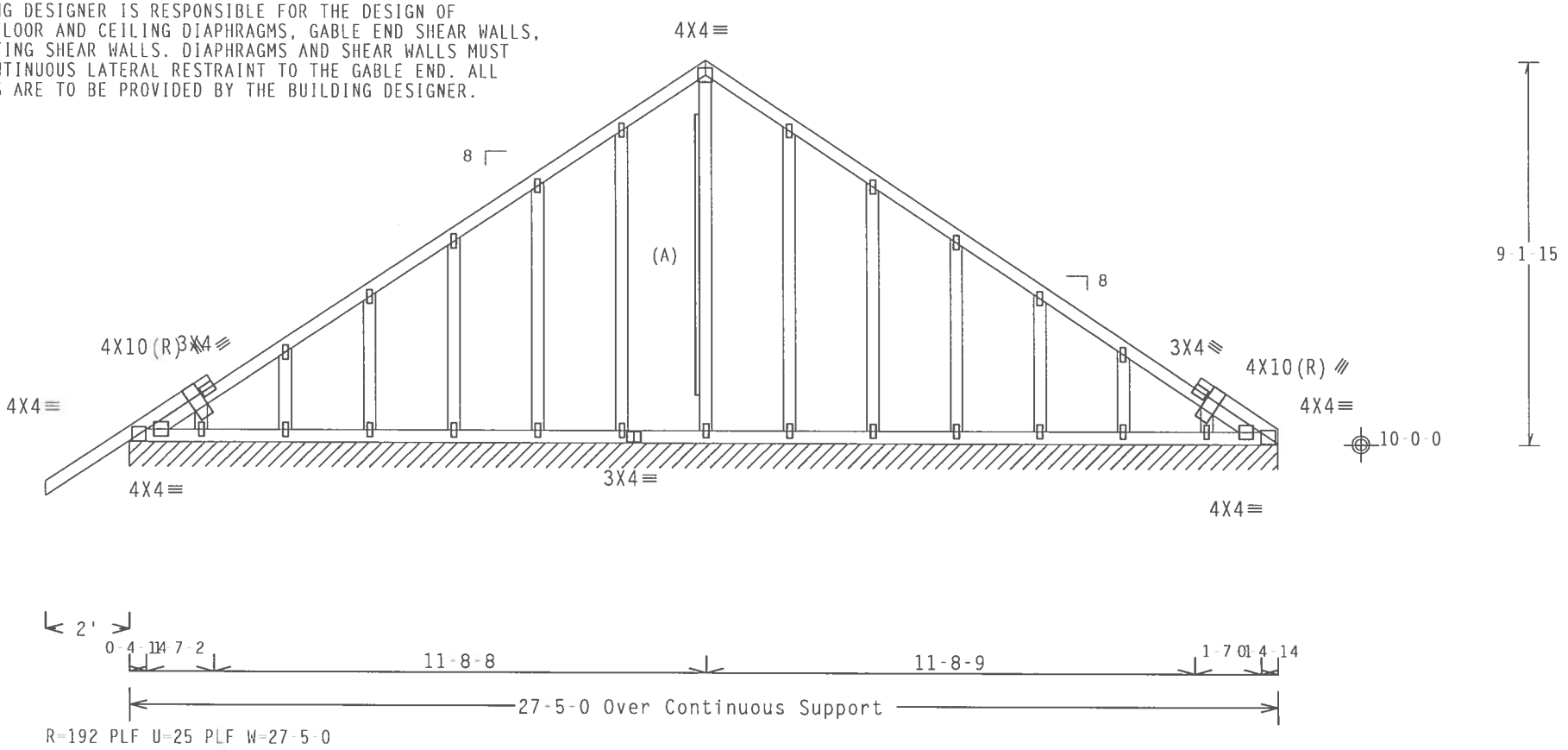
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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

Wind reactions based on MWFRS pressures.

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




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)  7.36.0424.12  QTY:1  FL/4/-/-/-/R/-  Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40818 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267013 |
| BC LL | 0.0 PSF | HC-ENG DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- 49255 REV |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | SEE ABOVE | JREF- 1TB18228Z01 |

( 7-212--OWNER BUILDER Josh Campbell -- 386-984-6589-C - A4 )

Top chord 2x4 SP #2 Dense :T2, T3 2x8 SP SS:
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

Calculated horizontal deflection is 0.17" due to live load and 0.31" 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.

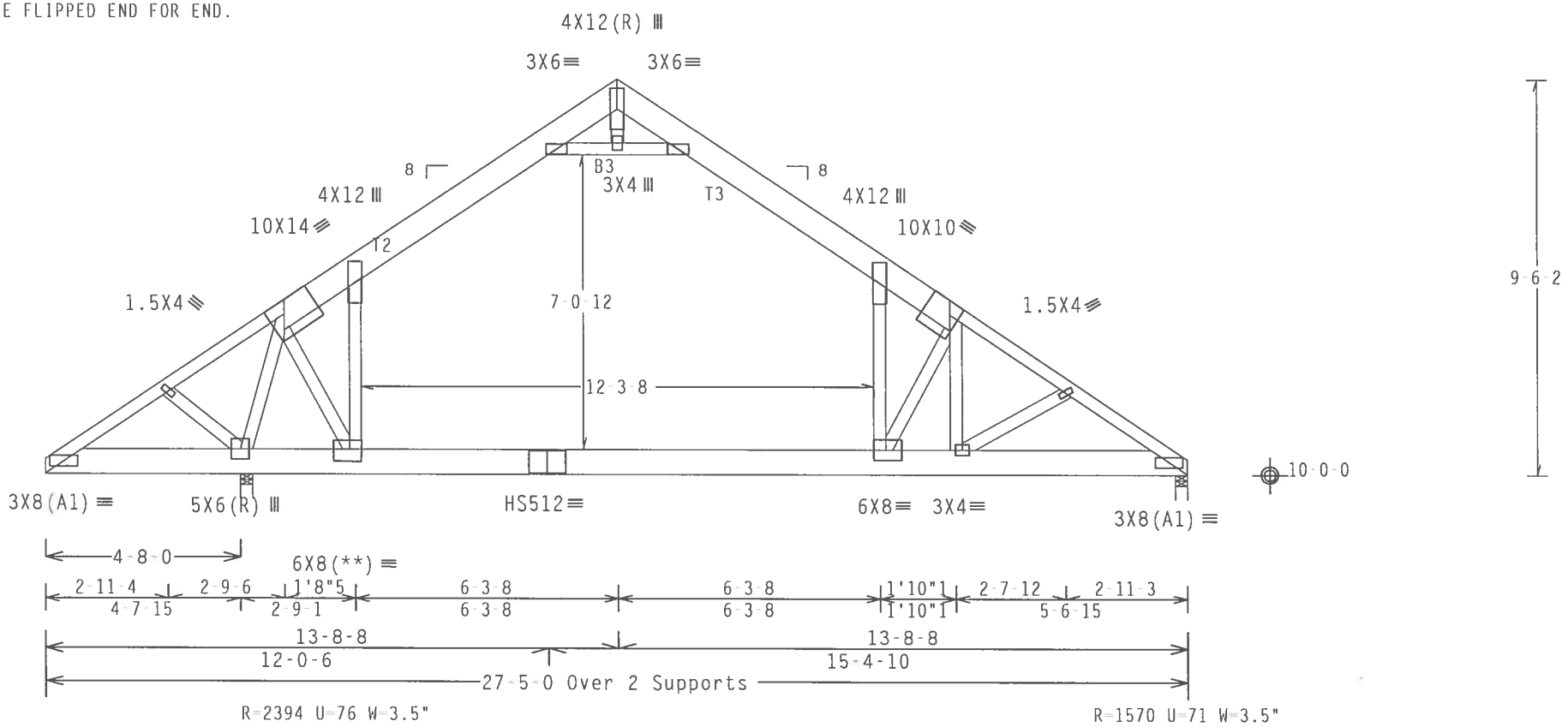
NOTE: THIS TRUSS MUST BE INSTALLED AS SHOWN. IT CAN NOT BE FLIPPED END FOR END.

(**) 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, 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.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-6-12 to 19-10-4.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave | Cq/RT=1.00(1.25)/0(0) | 7.36.0424.12 | QTY:1 | FL/4/-/-/-/R/- | Scale =.25"/Ft.

ALPINE

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| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40819 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267014 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- | 49270 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JRFF- | 1TB18228Z01 |

( 7-212--OWNER BUILDER Josh Campbell -- 386-984-6589 C - H7B )

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

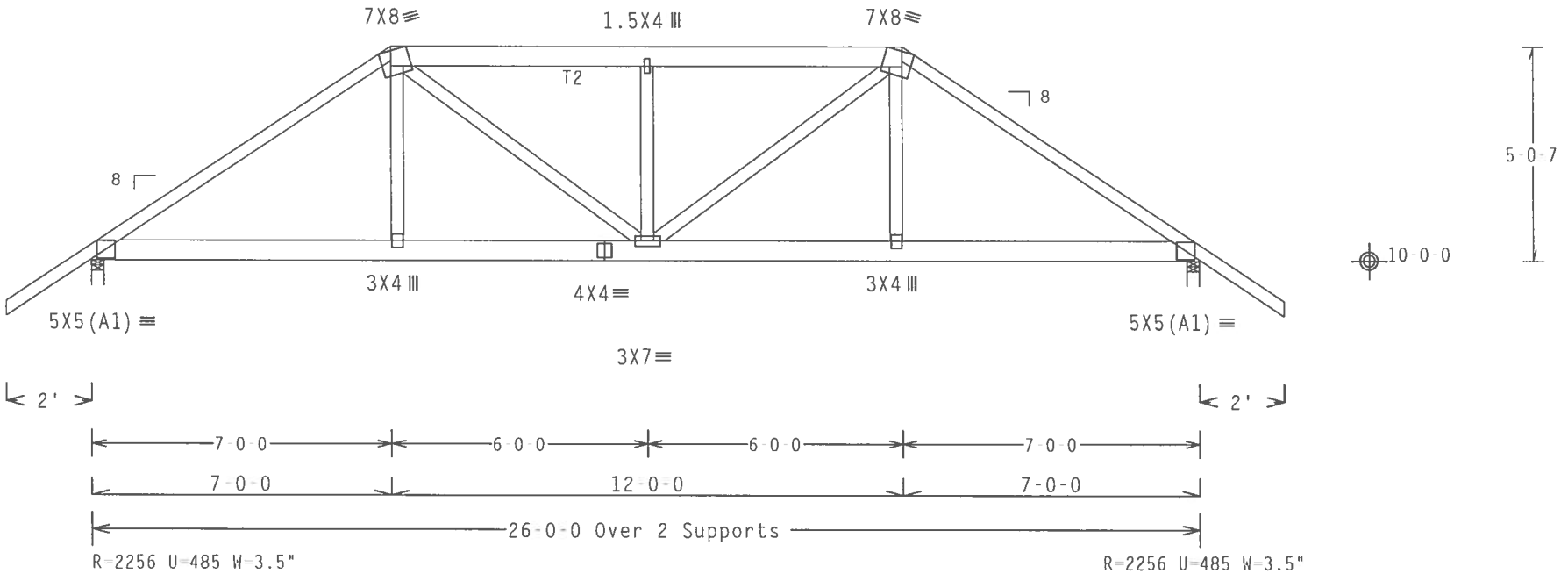
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

#1 hip supports 7-0-0 jacks with no webs.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/0(0) | 7.36.0424.12 | QTY:1 | FL/4/-/-/-/R/- | Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization "567

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| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40820 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267001 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- | 49158 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | SEE ABOVE | JREF- | 1TB18228Z01 |

( 7-212 OWNER BUILDER Josh Campbell - 386-984-6589 C - B1 )

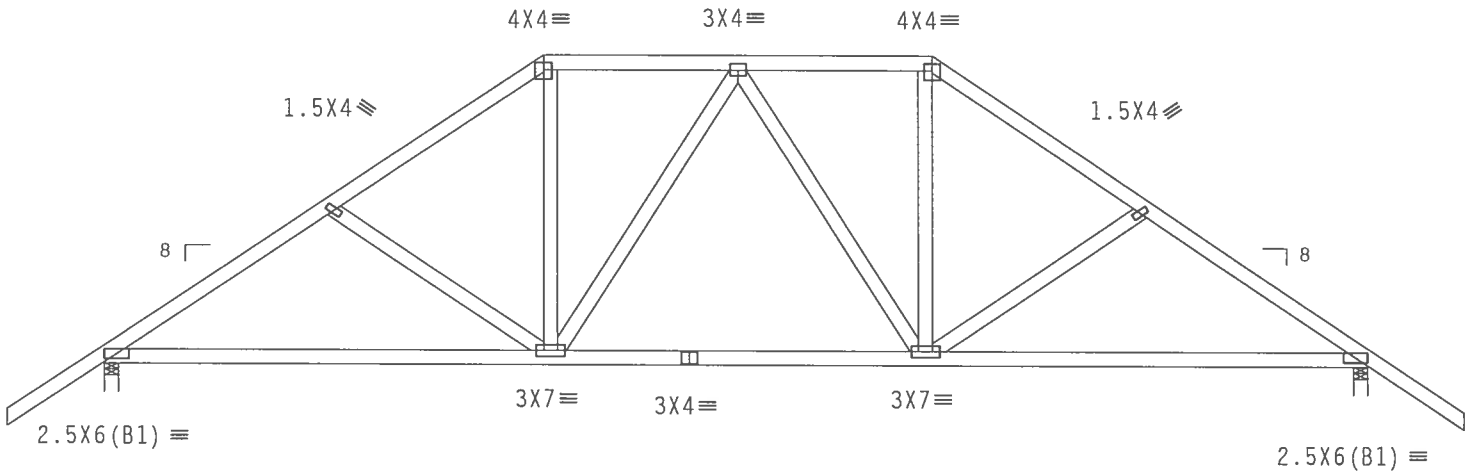
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

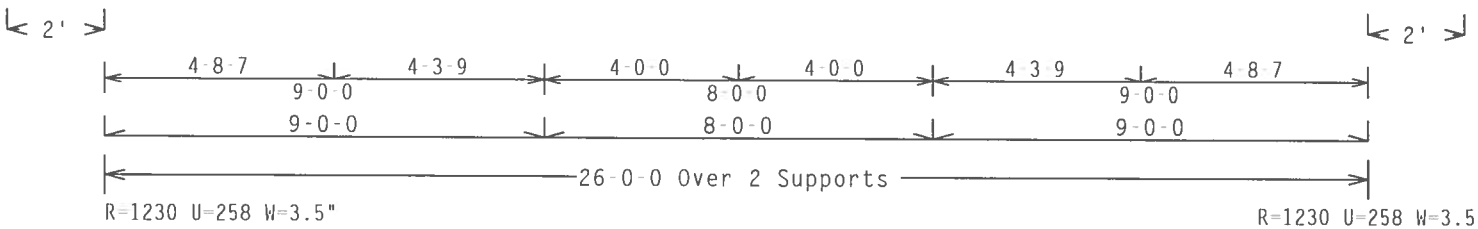
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Wind reactions based on MWFRS pressures.

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) 7.36.0424.12

PLT TYP. Wave

QTY:1 FL/4/-/-/-/R/- Scale =.25"/Ft.

ALPINE
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Haines City, FL 33844
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| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40821 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267011 |
| BC LL | 0.0 PSF | HC-ENG DF/DF * |
| TOT.LD. | 40.0 PSF | SEQN- 49163 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TB18228Z01 |

( 7 212--OWNER BUILDER Josh Campbell -- 386-984-6589 C - C2 )

Top chord 2x4 SP #2 Dense :T2, T3 2x8 SP SS:
Bot chord 2x8 SP SS :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

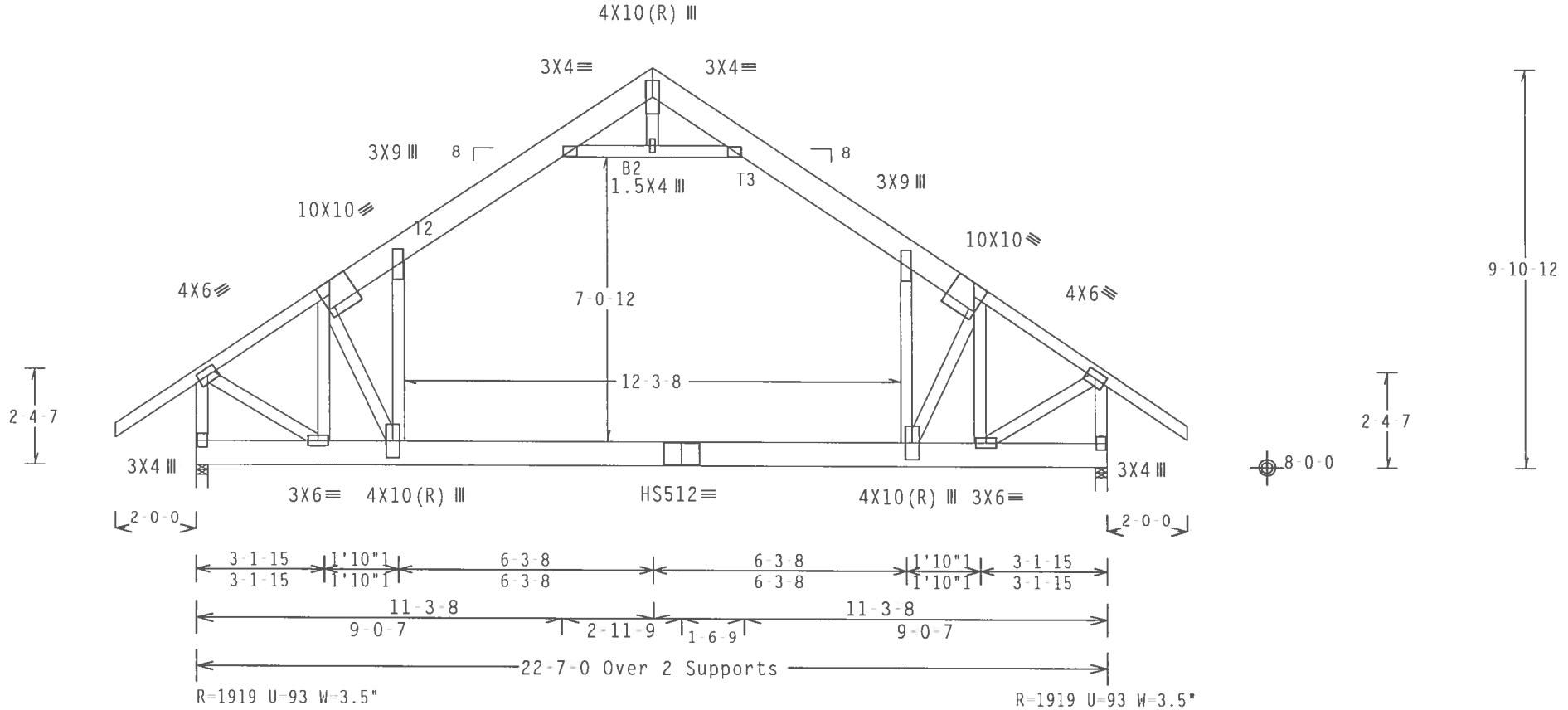
Collar tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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

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

Wind reactions based on MWFRS pressures.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 5-1-12 to 17-5-4.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.12 QTY:1 FL/4/-/-/-/R/- Scale =.25"/Ft.

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| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40822 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267005 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- | 49056 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TB18228Z01 |

Top chord 2x4 SP #2 Dense :T2, T3 2x8 SP SS:
Bot chord 2x8 SP SS :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3

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

Wind reactions based on MWFRS pressures.

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

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

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

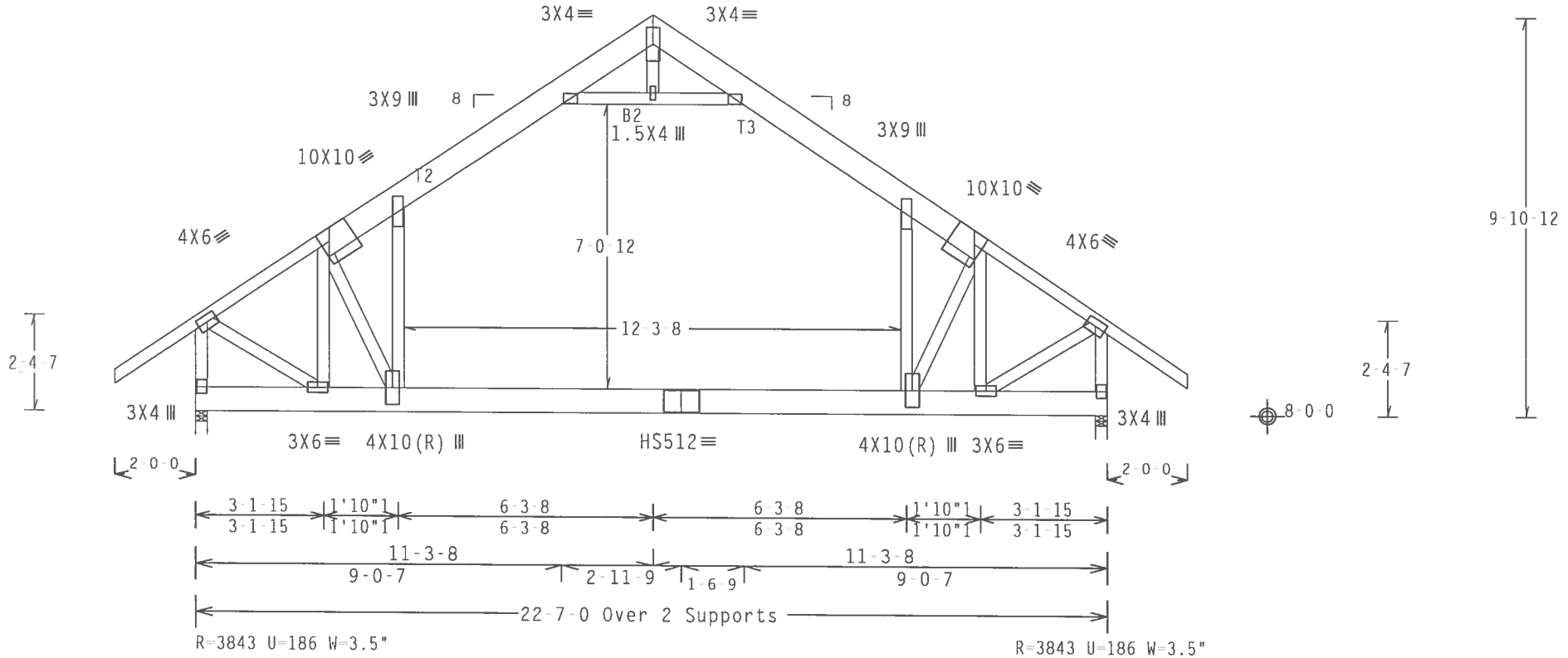
## 2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @11.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

End verticals not exposed to wind pressure.

Trusses to be spaced at 48.0" OC maximum.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 5-1-12 to 17-5-4.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave  Cq/RT=1.00(1.25)/0(0)  7.36.0424.12  QTY:1  FL/4/-/-/-/R/-  Scale =.25"/Ft.

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| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228-40823 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267015 |
| BC LL | 0.0 PSF | HC-ENG DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- 49061 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 48.0" | JREF- 1TB18228Z01 |

( 7-212--OWNER BUILDER  Josh Campbell -- 386-984-6589-C - C-GE )

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
     Webs 2x4 SP #3 :M1, M13 2x4 SP #2 Dense:

SPECIAL LOADS
-------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| TC | From | 128 PLF | at | -2.00 | to | 128 PLF | at 1.84 |
| TC | From | 128 PLF | at | 1.84 | to | 128 PLF | at 11.29 |
| TC | From | 128 PLF | at | 11.29 | to | 128 PLF | at 20.75 |
| TC | From | 128 PLF | at | 20.75 | to | 128 PLF | at 24.58 |
| BC | From | 10 PLF | at | -2.00 | to | 10 PLF | at 0.00 |
| BC | From | 40 PLF | at | 0.00 | to | 40 PLF | at 5.15 |
| BC | From | 240 PLF | at | 5.15 | to | 240 PLF | at 12.00 |
| BC | From | 240 PLF | at | 12.00 | to | 240 PLF | at 17.44 |
| BC | From | 40 PLF | at | 17.44 | to | 40 PLF | at 22.58 |
| BC | From | 10 PLF | at | 22.58 | to | 10 PLF | at 24.58 |

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.

Fasten rated sheathing to one face of this frame.

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.

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

End verticals not exposed to wind pressure.

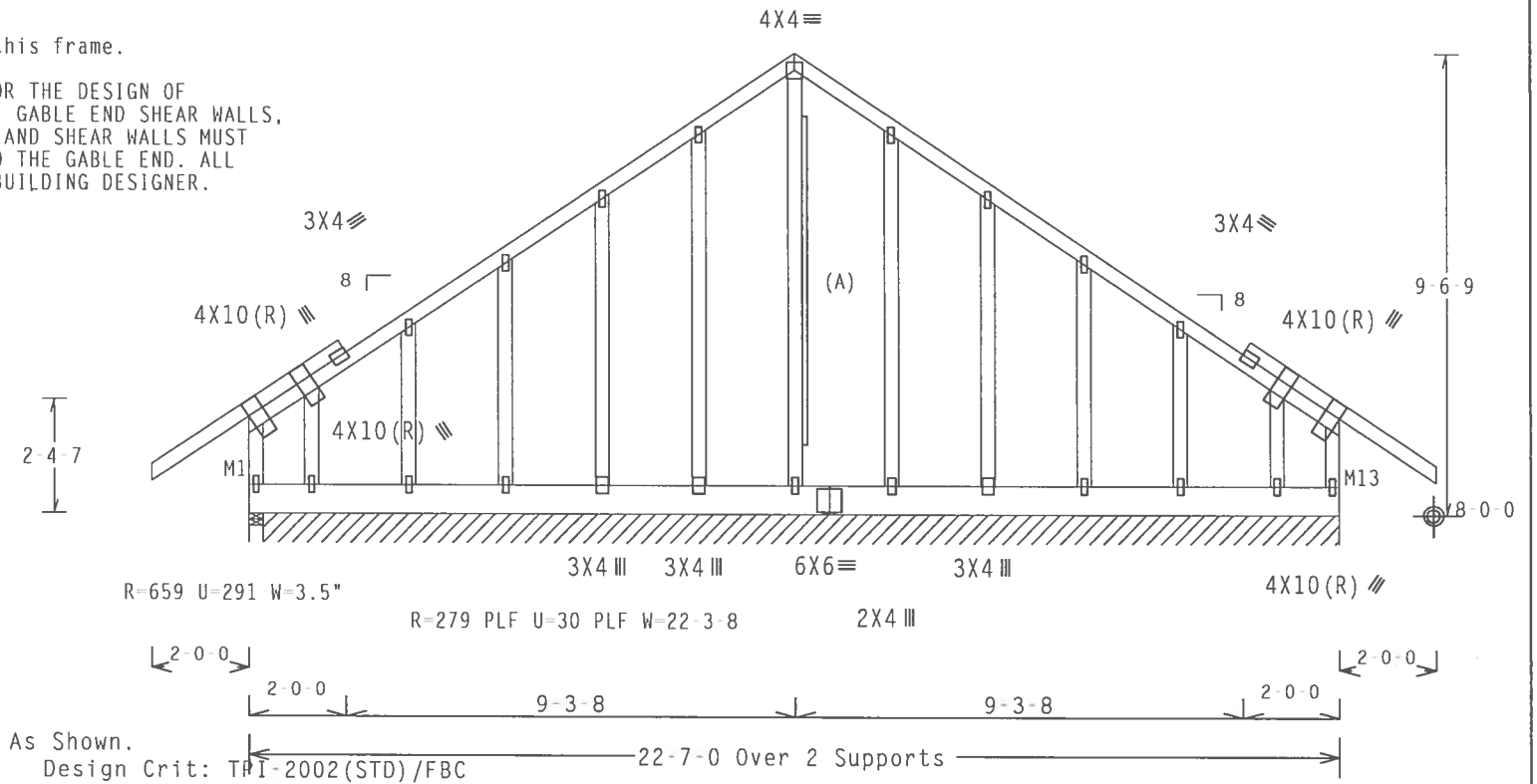
Truss spaced at 48.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

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

Trusses to be spaced at 48.0" OC maximum.




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)  7.36.0424.12  QTY:1  FL/4/-/-/-/R/-  Scale =.25"/Ft.

ALPINE

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

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| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40824 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267007 |
| BC LL | 0.0 PSF | HC-ENG DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- 49129 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | SEE ABOVE | JREF- 1TB18228Z01 |

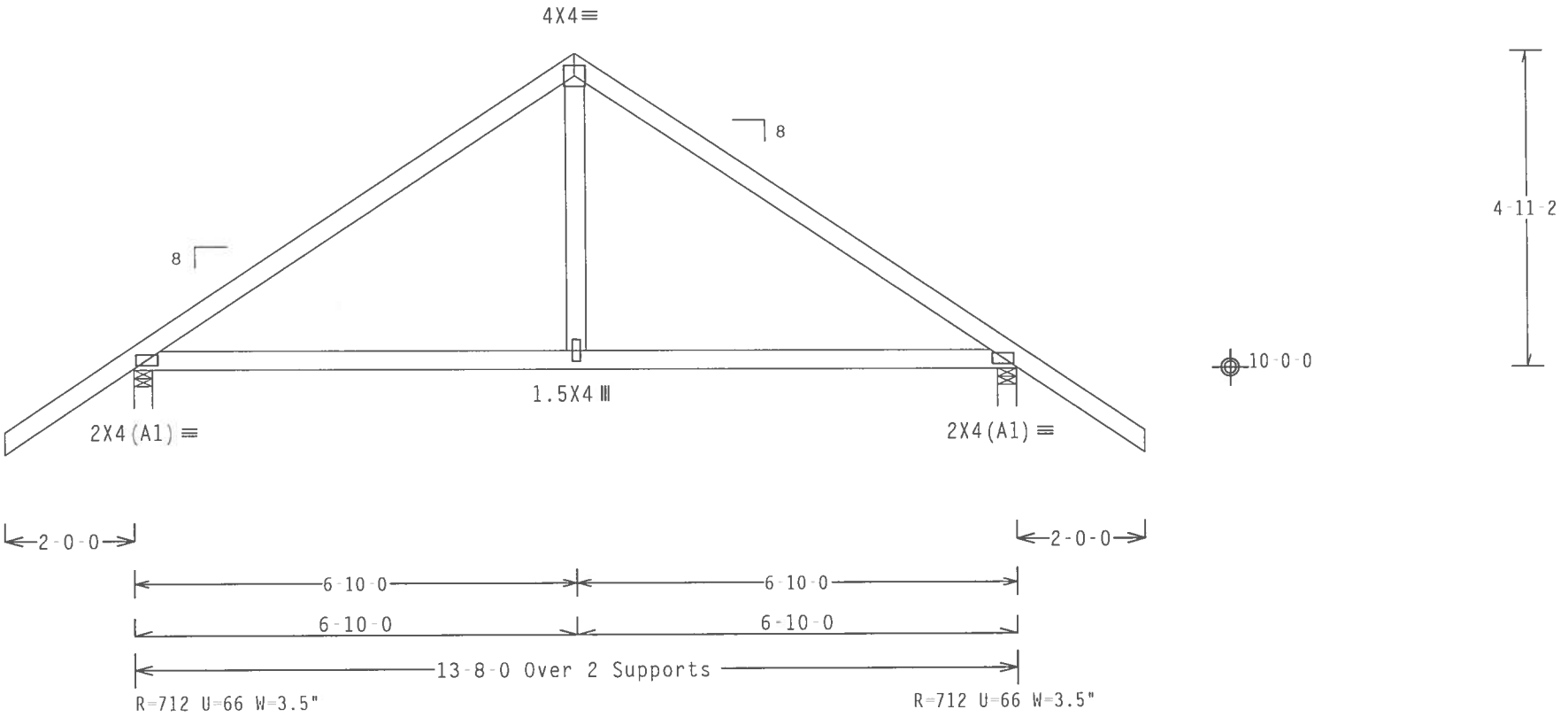
( 7-212--OWNER BUILDER Josh Campbell -- 386-984-6589-C - D1 )

Top chord 2x4 SP #2 Dense
Bot 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.

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

Wind reactions based on MWFRS pressures.




Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.12

PLT TYP. Wave

QTY:1 FL/4/-/-/-/R/- Scale =.375"/Ft.

ALPINE

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Haines City, FL 33844
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| | |
|---|---|
| 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 | R8228-40825 |
| DATE | 09/24/07 |
| DRW | HCUSR8228 07267002 |
| HC-ENG | DF/DF * |
| SEQN- | 49103 |
| FROM | AH |
| JREF- | 1TB18228Z01 |

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

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

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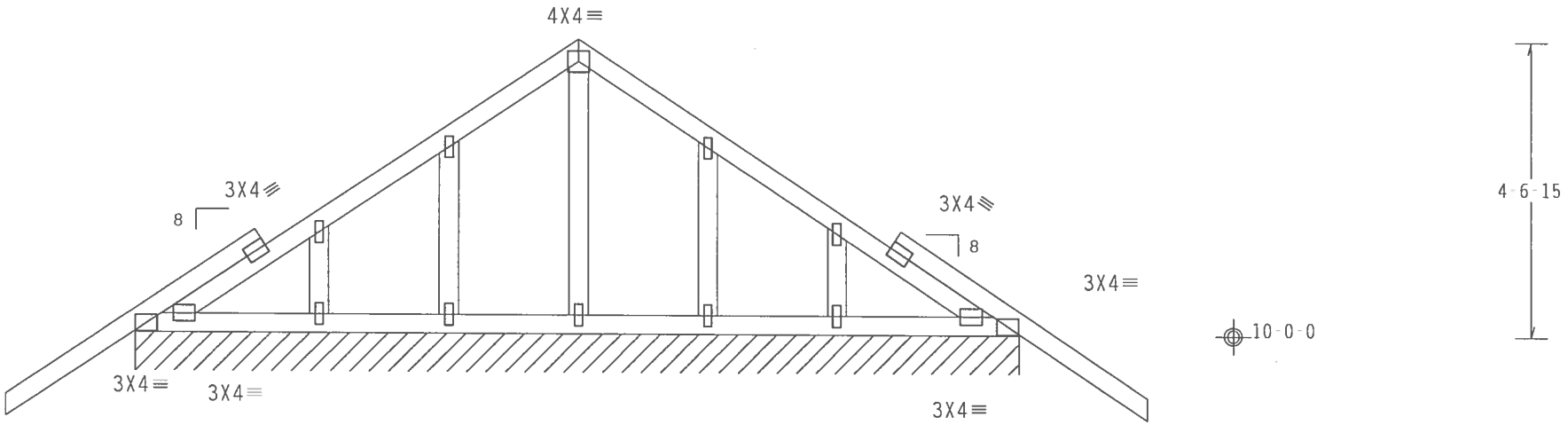
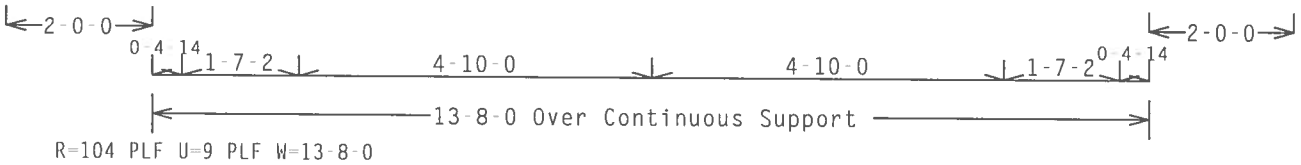
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.




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) 7.36.0424.12 QTY:1 FL/4/-/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228-40826 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267025 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- | 49118 REV |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TB18228Z01 |

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 6.83
TC - From 64 PLF at 6.83 to 64 PLF at 13.67
BC - From 20 PLF at 0.00 to 20 PLF at 13.67
BC - 1140 LB Conc. Load at 0.69, 2.69, 4.69, 6.69, 8.69 10.69, 12.69

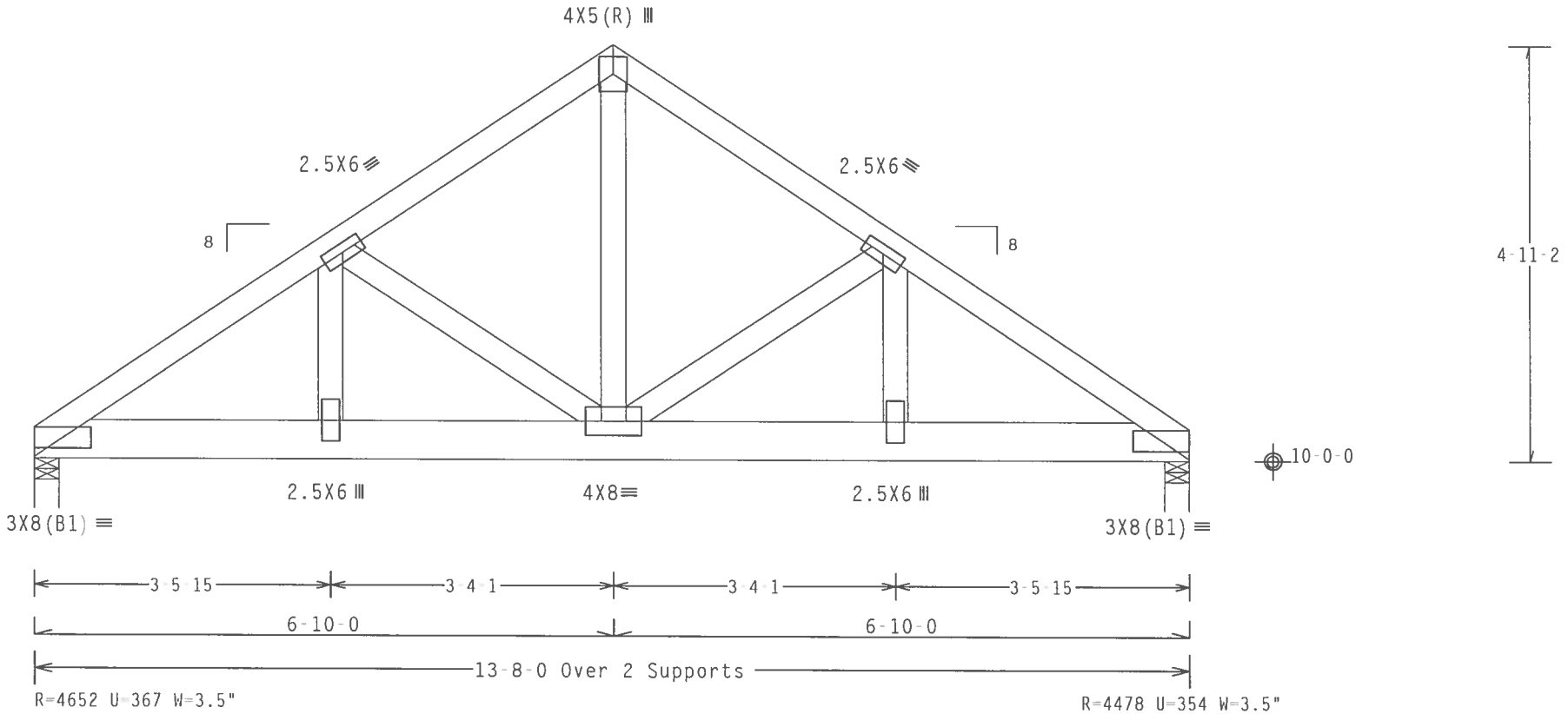
Wind reactions based on MWFRS pressures.

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

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

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
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.12 QTY:1 FL/4/-/-/-/R/- Scale =.5"/Ft.

ALPINE
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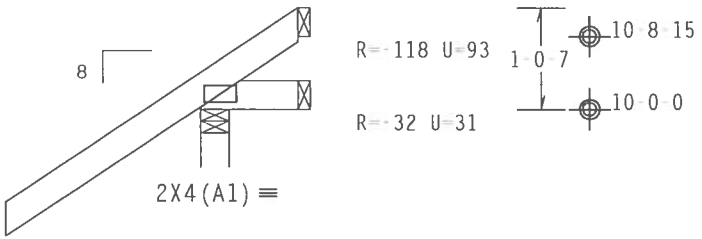
| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40827 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267004 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- | 49176 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TB18228Z01 |

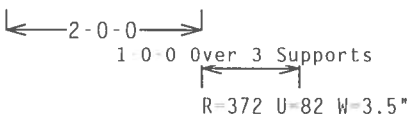
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave  Cq/RT=1.00(1.25)/0(0)  7.36.0424.12  QTY:1  FL/4/-/-/-/R/-  Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40828 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267023 |
| BC LL | 0.0 PSF | HC-ENG DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- 49133 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TB18228Z01 |

( 7-212--OWNER BUILDER Josh Campbell -- 386-984-6589-C - HJ7 )

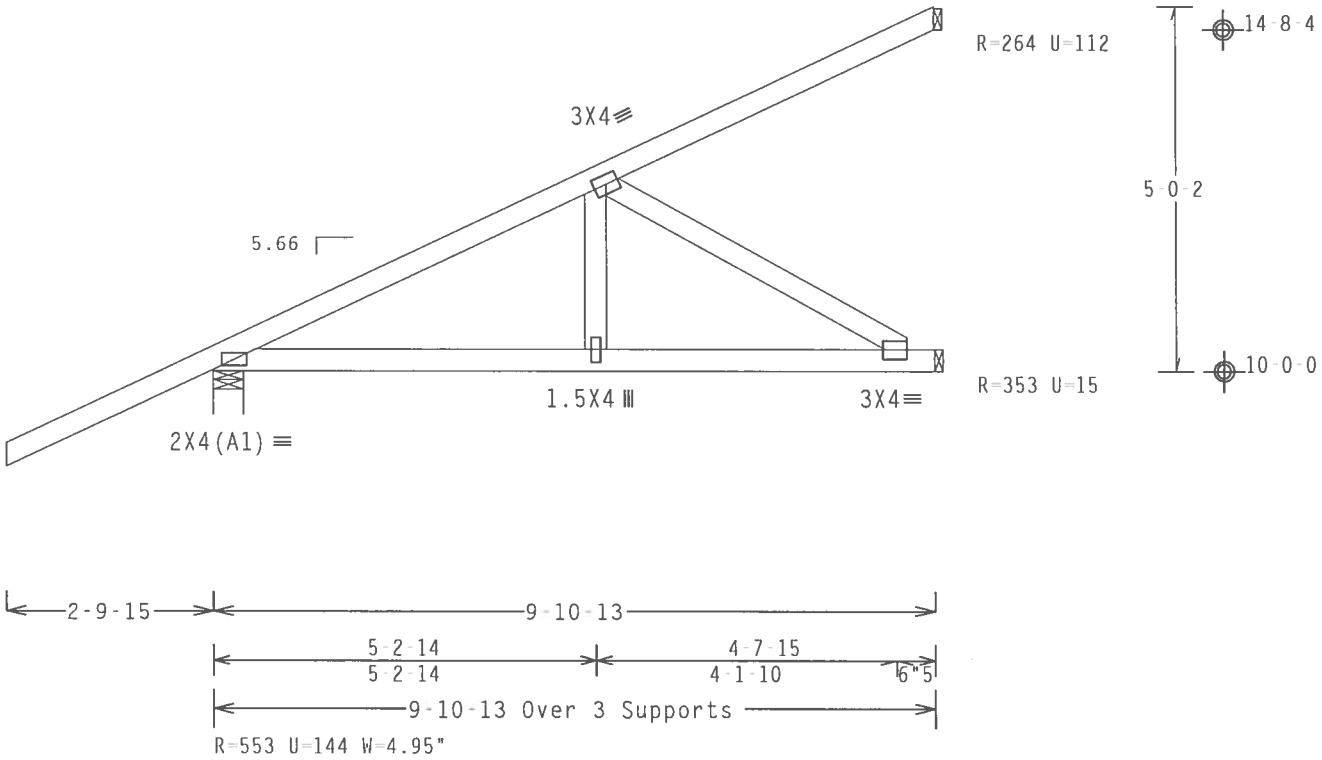
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.12 QTY:1 FL/4/-/-/-/R/- Scale =.375"/Ft.

ALPINE

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FL Certificate of Authorization # 667

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**IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) A&TH A653 GRADE 40/60 (H, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 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.

| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40829 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267020 |
| BC LL | 0.0 PSF | HC-ENG DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- 49153 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | SEE ABOVE | JREF- 1TB18228Z01 |

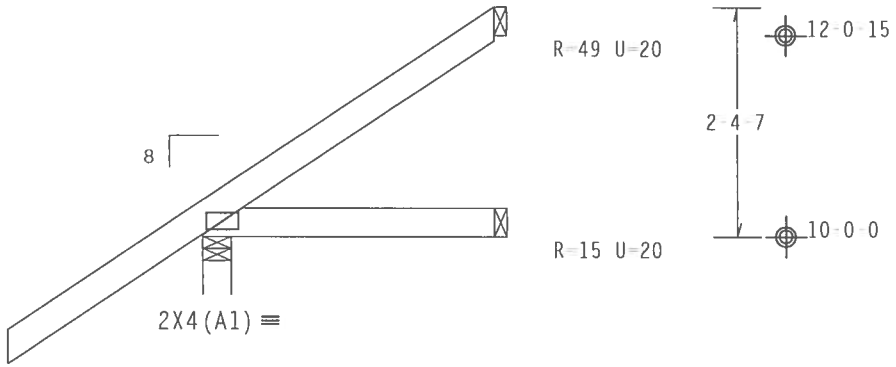
( 7-212 OWNER BUILDER Josh Campbell -- 386-984-6589-C - J3 )

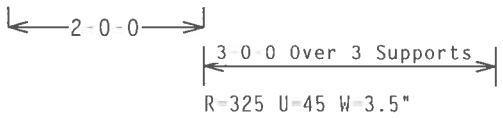
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.




Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.12 QTY:1 FL/4/-/-/-/R/- Scale =.5"/Ft.

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

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| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40830 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267022 |
| BC LL | 0.0 PSF | HC-ENG DF/DF * |
| TOT.LD. | 40.0 PSF | SEQN- 49138 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TB18228Z01 |

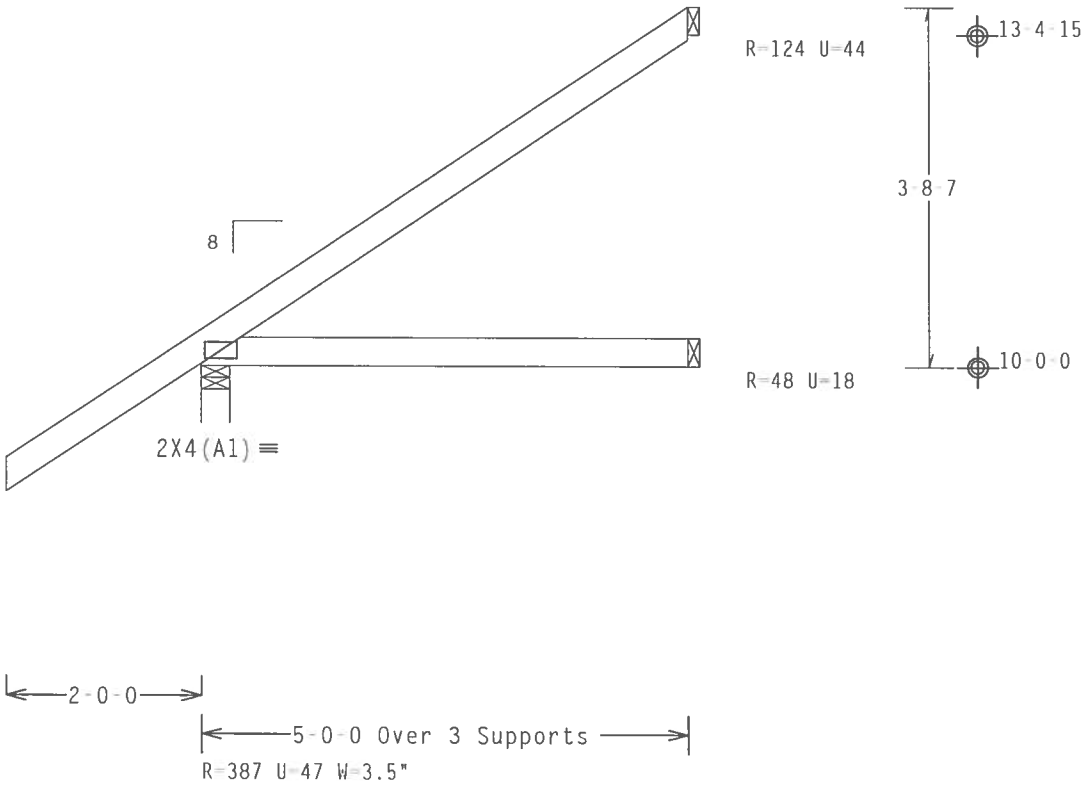
( 7-212 -OWNER BUILDER Josh Campbell -- 386-984-6589-C - J5 )

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

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

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

Wind reactions based on MWFRS pressures.




Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.12

PLT TYP. Wave

QTY:1 FL/4/-/-/-/R/- Scale =.5"/Ft.

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

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| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40831 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267021 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF * |
| TOT.LD. | 40.0 PSF | SEQN- | 49142 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TB18228Z01 |

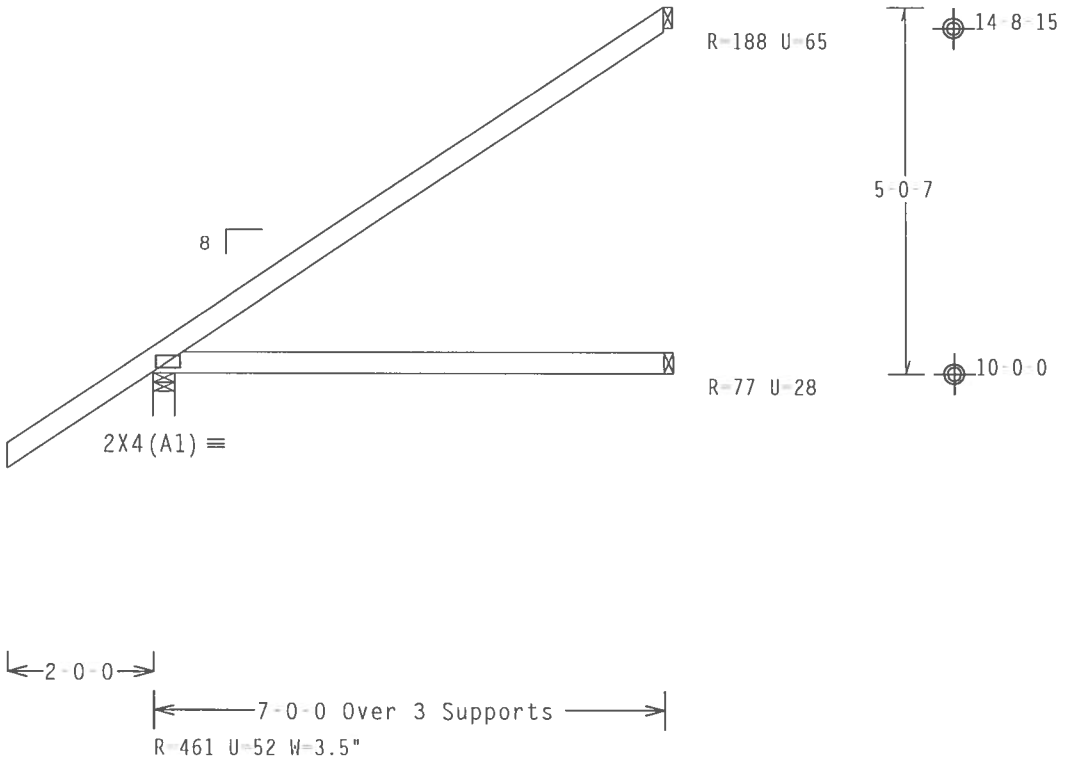
( 7 212 OWNER BUILDER Josh Campbell -- 386 984 6589 C - EJ7 )

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

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

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

Wind reactions based on MWFRS pressures.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/0(0) | 7.36.0424.12 | QTY:1 | FL/4/-/-/-/R/- | Scale =.375"/Ft.

ALPINE

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

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| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40832 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267024 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF * |
| TOT.LD. | 40.0 PSF | SEQN- | 49146 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JRFF- | 1TB18228Z01 |

( 7-212--OWNER BUILDER Josh Campbell -- 386-984-6589 C - C3 )

Top chord 2x4 SP #2 Dense :T2 2x8 SP SS:
Bot chord 2x8 SP SS
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

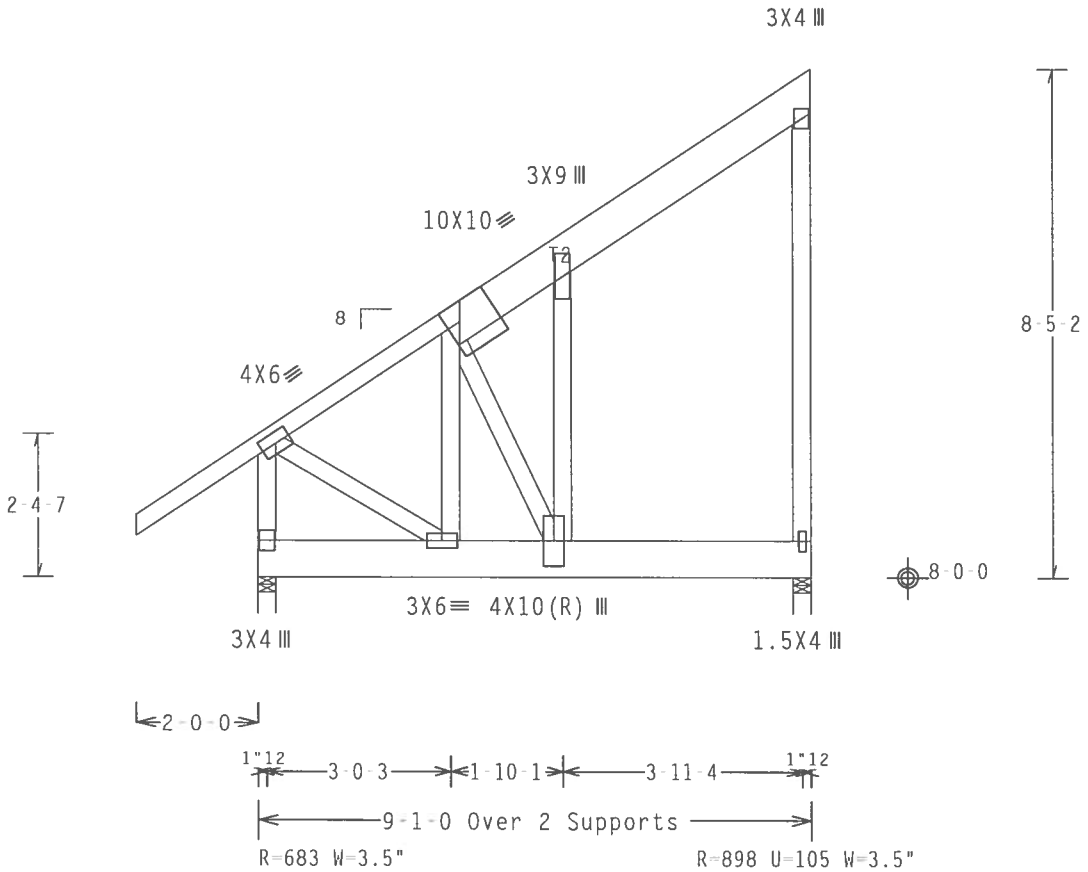
Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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

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

Wind reactions based on MWFRS pressures.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 5-1-12 to 8-9-8.







Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/0(0) | 7.36.0424.12 | QTY:1 | FL/4/-/-/-/R/- | Scale =.3125"/Ft.

ALPINE

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

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| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40833 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267008 |
| BC LL | 0.0 PSF | HC-ENG DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- 49099 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JRFF- 1TB18228Z01 |

( 7-212 -OWNER BUILDER Josh Campbell -- 386-984-6589-C - C6 )

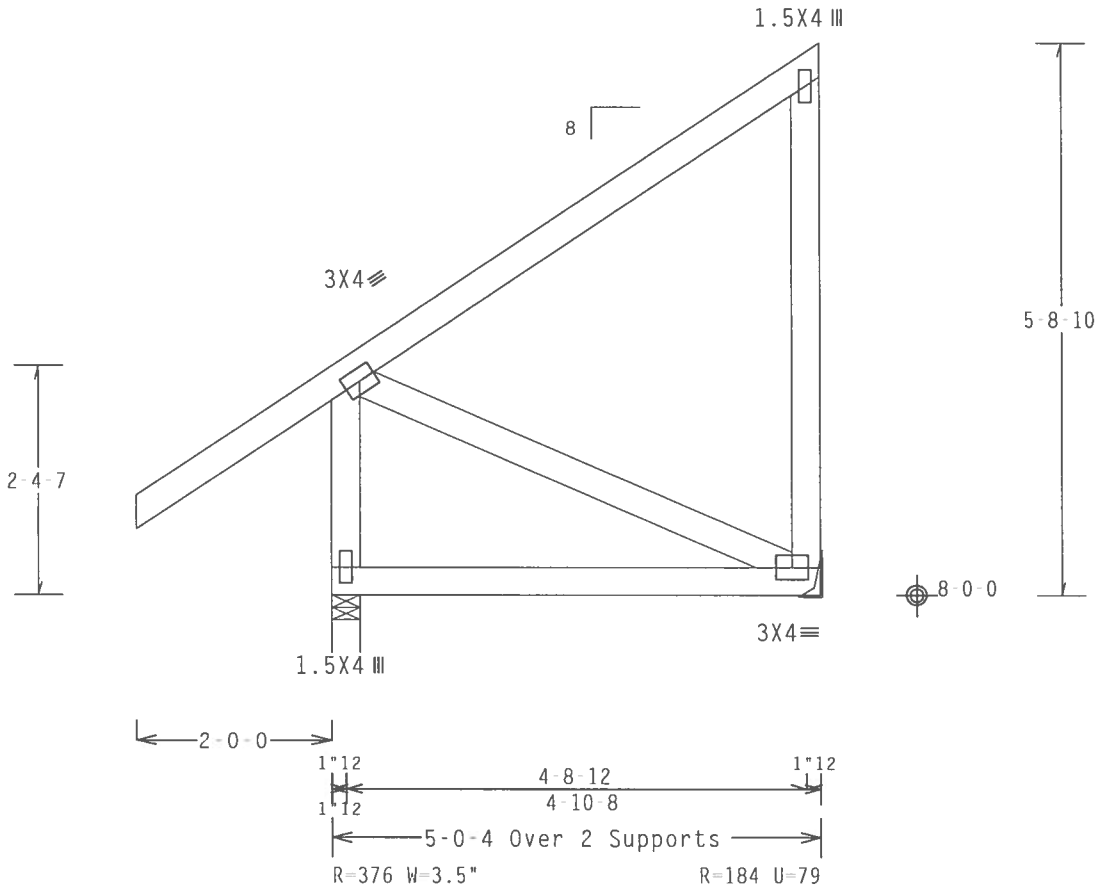
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

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

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




Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.12 QTY:1 FL/4/-/-/-/R/- Scale =.5"/Ft.

ALPINE

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

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| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R8228- 40834 |
| TC DL | 10.0 PSF | DATE 09/24/07 |
| BC DL | 10.0 PSF | DRW HCUSR8228 07267009 |
| BC LL | 0.0 PSF | HC-ENG DF/DF * |
| TOT.LD. | 40.0 PSF | SEQN- 49095 |
| DUR.FAC. | 1.25 | FROM AH |
| SPACING | 24.0" | JREF- 1TB18228Z01 |

( 7 212 OWNER BUILDER Josh Campbell -- 386 984-6589 C C7 )

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

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

Wind reactions based on MWFRS pressures.

Truss must be installed as shown with top chord up.

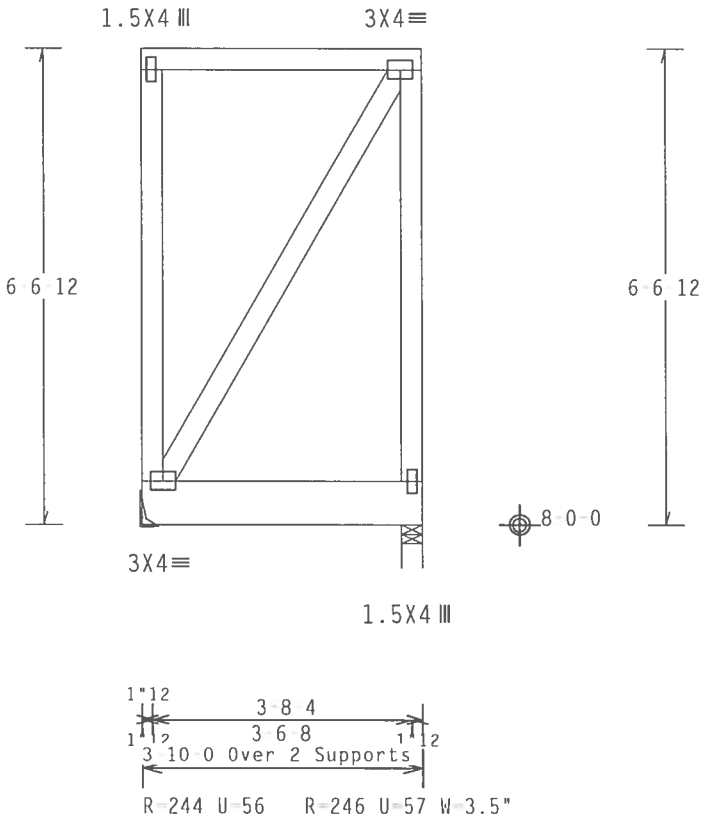
SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 3.83
BC - From 20 PLF at 0.00 to 20 PLF at 3.83
BC - 184 LB Conc. Load at 1.94

End verticals not exposed to wind pressure.

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

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

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS").TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/0(0) | 7.36.0424.12 | QTY:1 | FL/4/-/-/-/R/- | Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40835 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267006 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- | 49090 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JREF- | 1TB18228Z01 |

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W4 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS").TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS.

SPECIAL LOADS
(LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.00)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| TC | From | 24 PLF | at | -2.00 | to | 24 PLF | at 5.15 |
| TC | From | 48 PLF | at | 5.15 | to | 48 PLF | at 8.47 |
| TC | From | 24 PLF | at | 8.47 | to | 24 PLF | at 10.46 |
| PLT | From | 20 PLF | at | 8.85 | to | 20 PLF | at 10.17 |
| BC | From | 5 PLF | at | -2.00 | to | 5 PLF | at 0.00 |
| BC | From | 20 PLF | at | 0.00 | to | 20 PLF | at 5.15 |
| BC | From | 120 PLF | at | 5.15 | to | 120 PLF | at 10.17 |
| BC | From | 20 PLF | at | 10.17 | to | 20 PLF | at 10.46 |

BC 245 LB Conc. Load at 5.00
BC 97 LB Conc. Load at 5.15
BC 141 LB Conc. Load at 10.17

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

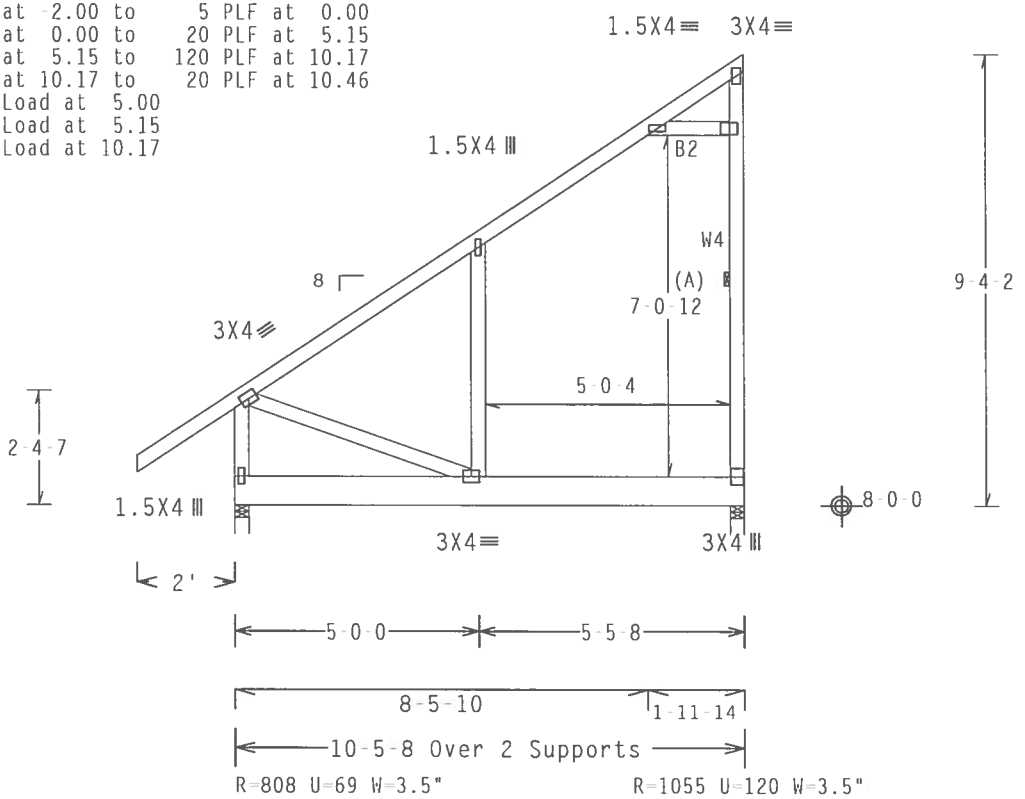
End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.15" due to live load and 0.45" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

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

2X4 III 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

PLT TYP. Wave | Cq/RT=1.00(1.25)/0(0) | 7.36.0424.12 | QTY:1 | FL/4/-/-/-/R/- | Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228-40836 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267003 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- | 49279 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | SEE ABOVE | JREF- | 1TB18228Z01 |

( 7-212- OWNER BUILDER Josh Campbell -- 386-984-6589-C - C4 )

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W4 2x4 SP #2 Dense:

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.21" due to live load and 0.34" due to dead load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 5 1-12 to 10 2 0.

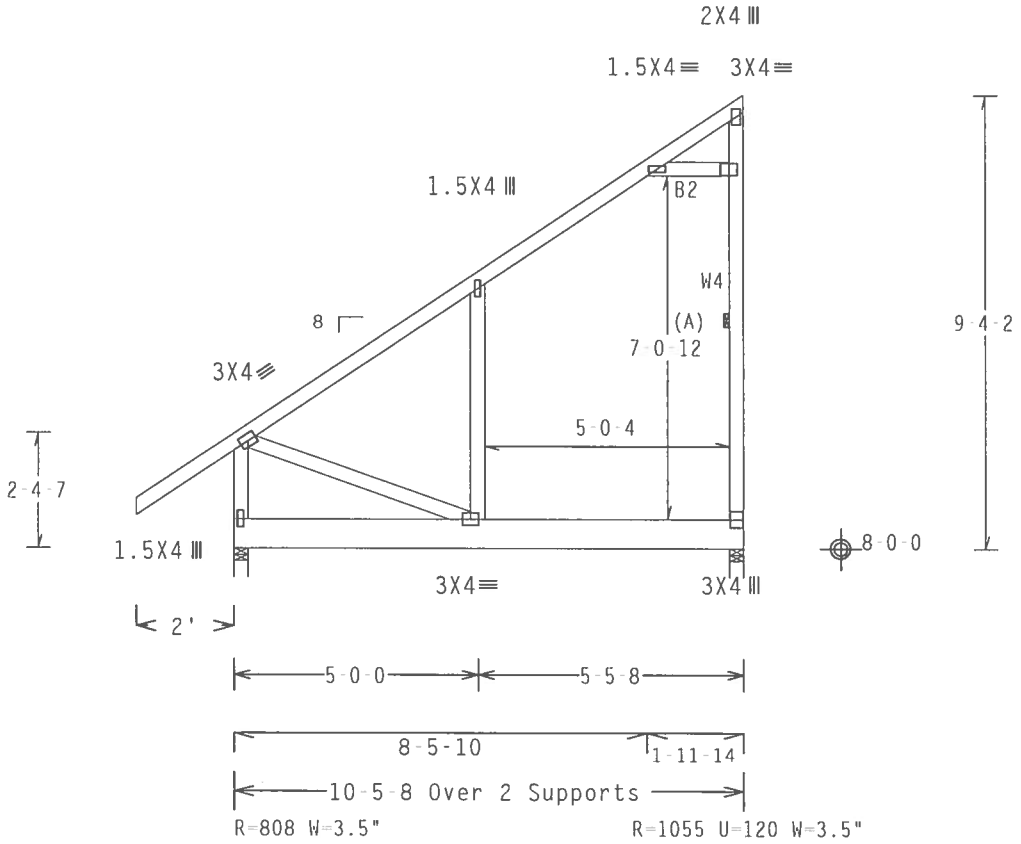
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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.




Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.0424.12 QTY:1 FL/4/-/-/-/R/- Scale =.25"/Ft.

ALPINE

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

**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 WTCA (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 TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (H,H/SS/K) ASTM A653 GRADE 40/60 (H, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 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.

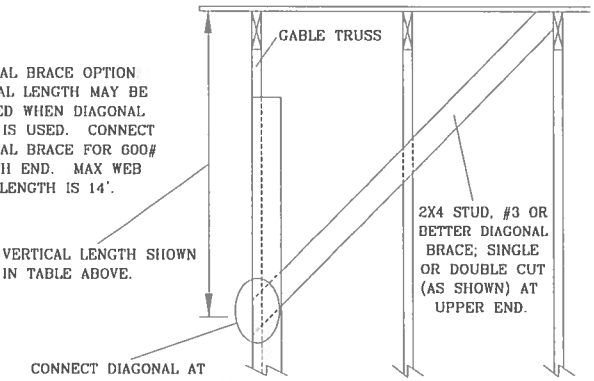
| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R8228- 40837 |
| TC DL | 10.0 PSF | DATE | 09/24/07 |
| BC DL | 10.0 PSF | DRW | HCUSR8228 07267019 |
| BC LL | 0.0 PSF | HC-ENG | DF/DF |
| TOT.LD. | 40.0 PSF | SEQN- | 49287 |
| DUR.FAC. | 1.25 | FROM | AH |
| SPACING | 24.0" | JRFF- | 1TB18228Z01 |

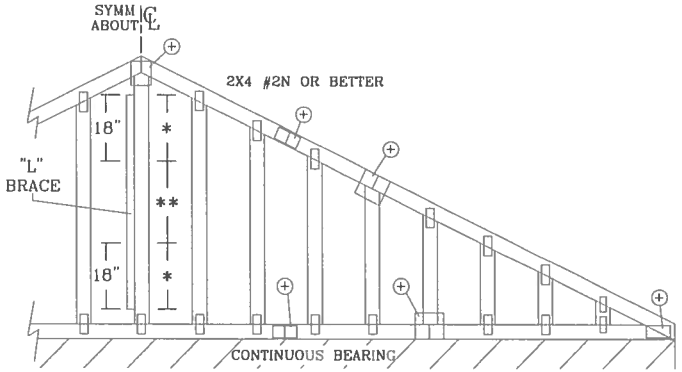
# ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

## MAX GABLE VERTICAL LENGTH

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

DIAGONAL BRACE OPTION
VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.




REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

| SPRUCE-PINE-FIR | |
|---|---|
| #1 / #2 | STANDARD |
| #3 | STUD |

| HEM-FIR | |
|---|---|
| #2 | STUD |
| #3 | STANDARD |

| DOUGLAS FIR-LARCH |
|---|
| #3 |
| STUD |
| STANDARD |

| SOUTHERN PINE |
|---|
| #3 |
| STUD |
| STANDARD |

GROUP B:

| HEM-FIR |
|---|
| #1 & BTR |
| #1 |

| SOUTHERN PINE |
|---|
| #1 |
| #2 |

| DOUGLAS FIR-LARCH |
|---|
| #1 |
| #2 |

## 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.

GABLE VERTICAL PLATE SIZES

| VERTICAL LENGTH | NO SPLICE |
|---|---|
| LESS THAN 4' 0" | 1X4 OR 2X3 |
| GREATER THAN 4' 0", BUT LESS THAN 11' 6" | 2X4 |
| GREATER THAN 11' 6" | 2.5X4 |

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

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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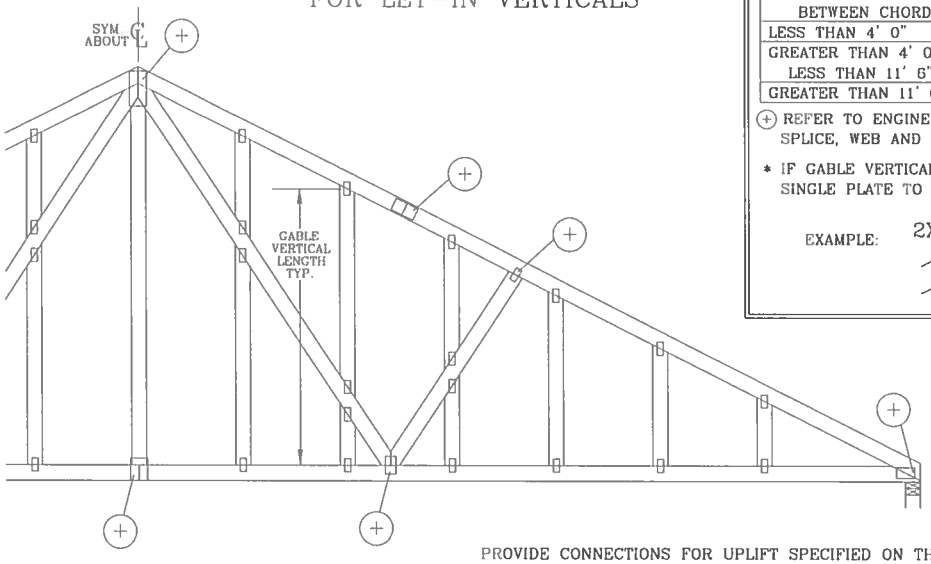
Sep 24 '07

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

| | |
|---|---|
| REF | ASCE7-02-GAB11015 |
| DATE | 2/23/07 |
| DRWG | A11015EE0207 |
| -ENG | |

# GABLE DETAIL
## FOR LET-IN VERTICALS

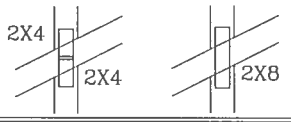


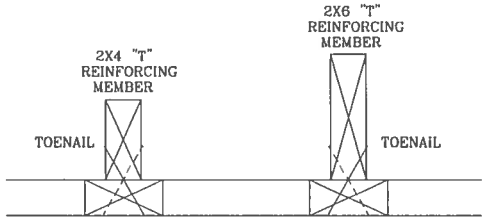

| GABLE VERTICAL PLATE SIZES | | |
|---|---|---|
| VERTICAL LENGTH BETWEEN CHORDS | PLATE SIZE | IF PLATES OVERLAP* |
| LESS THAN 4' 0" | 1X4 OR 2X3 | 2X8 |
| GREATER THAN 4' 0", BUT LESS THAN 11' 6" | 2X4 | 2X8 |
| GREATER THAN 11' 6" | 2.5X4 | 2.5X8 |

(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

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

EXAMPLE:



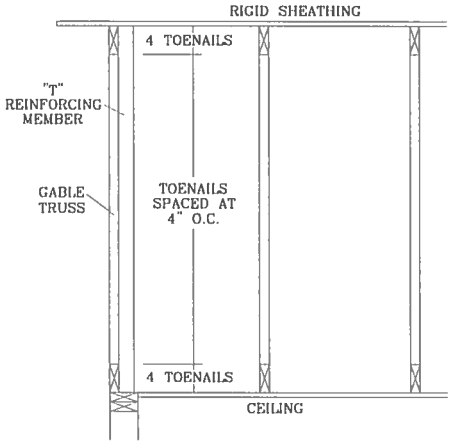

TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

### WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"




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) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN 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 GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207, A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207, A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207
ASCE 7-05 GABLE DETAIL DRAWINGS
A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207, A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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Sep 24 '07

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF LET-IN VERT
DATE 2/23/07
DRWG GBLLETIN0207
-ENG DLJ/KAR

# CLB WEB BRACE SUBSTITUTION

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.

## NOTES:

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

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

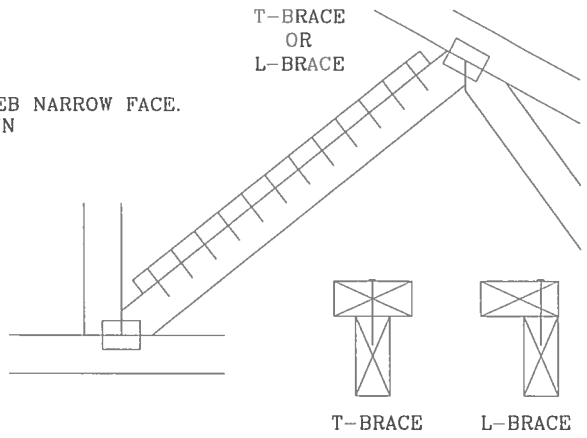
| WEB MEMBER SIZE | SPECIFIED CLB BRACING | ALTERNATIVE BRACING T OR L-BRACE | ALTERNATIVE BRACING SCAB BRACE |
|---|---|---|---|
| 2X3 OR 2X4 | 1 ROW | 2X4 | 1-2X4 |
| 2X3 OR 2X4 | 2 ROWS | 2X6 | 2-2X4 |
| 2X6 | 1 ROW | 2X4 | 1-2X6 |
| 2X6 | 2 ROWS | 2X6 | 2-2X4(*) |
| 2X8 | 1 ROW | 2X6 | 1-2X8 |
|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

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

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

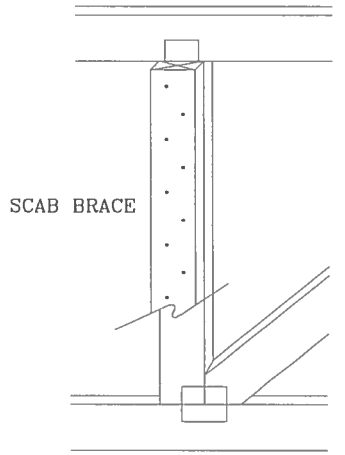
## T-BRACING OR L-BRACING:

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




## SCAB BRACING:

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




THIS DRAWING REPLACES DRAWING 579,640

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA



Sep 24 '07

| | | |
|---|---|---|
| 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 | | |