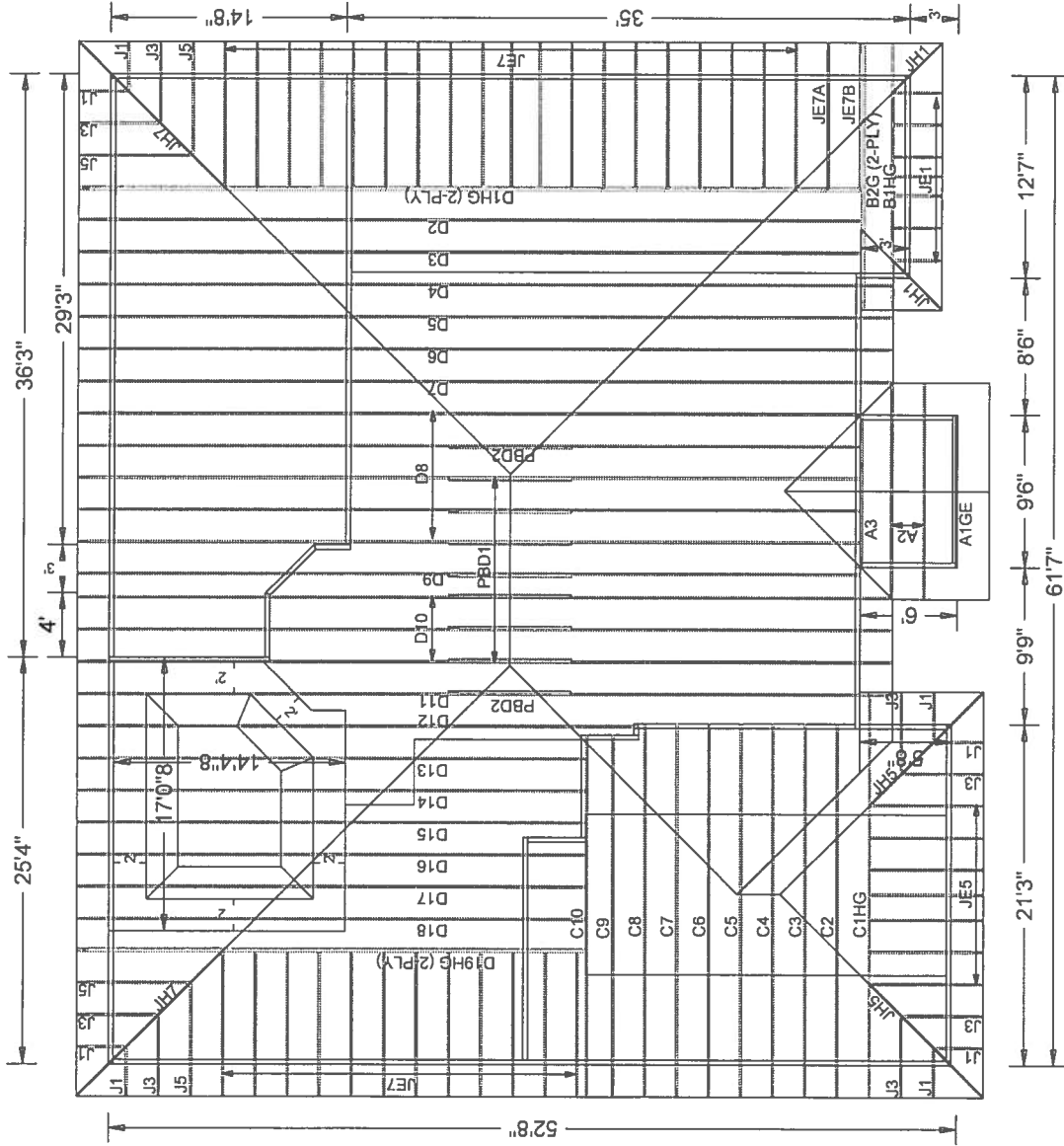


W.B. Howland Truss Co.  
P.O. Box 700  
Live Oak, FL 32064  
(386) 362-1235  
(386) 362-7124 (fax)

ROOF PITCH: 6/12  
CLG PITCH: N/A  
OVERHANG: 24" TYP PLUMB  
LOADING: 40 PSF T.L./SHINGLE  
WIND LOAD: 110 MPH  
EXT WALLS: 2x4 FRAMING  
DATE: 10-19-05



# Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844  
Florida Engineering Certificate of Authorization Number: 567  
Florida Certificate of Product Approval # FL1999  
Page 1 of 1 Document ID:1SRL215-Z0326102458

Truss Fabricator: W.B. Howland  
Job Identification: 2889-/The Wilcox Residence /Concept Construction of N -- LAKE CITY, FL  
Truss Count: 47  
Model Code: Florida Building Code  
Truss Criteria: ANSI/TPI-2002(STD)/FBC  
Engineering Software: Alpine Software, Version 7.20.  
Structural Engineer of Record:  
Address:  
Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration  
Floor - N/A  
Wind - 110 MPH ASCE 7-02 -Closed



## Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Seal Date: 10/26/2005

-Truss Design Engineer-  
James F. Collins Jr.

Florida License Number: 52212

1950 Marley Drive  
Haines City, FL 33844

## Details: BRCLBSUB

| #  | Ref         | Description   | Drawing# | Date     |
|----|-------------|---------------|----------|----------|
| 1  | 78324--A1GE | 9'6" Gable    | 05299005 | 10/26/05 |
| 2  | 78325--A2   | 9'6" Common   | 05299006 | 10/26/05 |
| 3  | 78326--A3   | 9'6" Common   | 05299007 | 10/26/05 |
| 4  | 78327-B1HG  | 12'7" Stepd   | 05299010 | 10/26/05 |
| 5  | 78328-B2G   | (2-PLY) 12'7  | 05299051 | 10/26/05 |
| 6  | 78329-C1HG  | 21'3" Stepd   | 05299011 | 10/26/05 |
| 7  | 78330-C2    | 21'3" Stepdow | 05299012 | 10/26/05 |
| 8  | 78331-C3    | 21'3" Stepdow | 05299013 | 10/26/05 |
| 9  | 78332--C4   | 21'3" Common  | 05299014 | 10/26/05 |
| 10 | 78333--C5   | 21'3" Common  | 05299015 | 10/26/05 |
| 11 | 78334-C6    | 21'3" Mono Hi | 05299016 | 10/26/05 |
| 12 | 78335-C7    | 21'3" Mono Hi | 05299017 | 10/26/05 |
| 13 | 78336-C8    | 21'3" Mono Hi | 05299018 | 10/26/05 |
| 14 | 78337-C9    | 20'6"8 Mono H | 05299019 | 10/26/05 |
| 15 | 78338-C10   | 20'6"8 Mono   | 05299020 | 10/26/05 |
| 16 | 78339-D1HG  | (2-PLY) 46'   | 05299021 | 10/26/05 |
| 17 | 78340-D2    | 46'8" Stepdow | 05299022 | 10/26/05 |
| 18 | 78341-D3    | 46'8" Stepdow | 05299023 | 10/26/05 |
| 19 | 78342-D4    | 46'8" Stepdow | 05299024 | 10/26/05 |
| 20 | 78343-D5    | 46'8" Mono Hi | 05299025 | 10/26/05 |
| 21 | 78344-D6    | 46'8" Mono Hi | 05299026 | 10/26/05 |
| 22 | 78345-D7    | 46'8" Mono Hi | 05299027 | 10/26/05 |
| 23 | 78346-D8    | 46'8" Stepdow | 05299028 | 10/26/05 |
| 24 | 78347-D9    | 46'8" Stepdow | 05299029 | 10/26/05 |
| 25 | 78348-D10   | 46'8" Stepdow | 05299030 | 10/26/05 |
| 26 | 78349-D11   | 46'8" Stepdow | 05299031 | 10/26/05 |
| 27 | 78350-D12   | 32'10"8 Step  | 05299032 | 10/26/05 |
| 28 | 78351-D13   | 29'7" Mono H  | 05299033 | 10/26/05 |
| 29 | 78352-D14   | 29'7" Mono H  | 05299034 | 10/26/05 |
| 30 | 78353-D15   | 29'7" Mono H  | 05299035 | 10/26/05 |
| 31 | 78354-D16   | 29'7" Mono H  | 05299036 | 10/26/05 |
| 32 | 78355-D17   | 29'7" Mono H  | 05299037 | 10/26/05 |
| 33 | 78356-D18   | 29'7" Mono H  | 05299038 | 10/26/05 |
| 34 | 78357-D19HG | (2-PLY) 29    | 05299039 | 10/26/05 |
| 35 | 78358--J1   | 1' Jack       | 05299040 | 10/26/05 |
| 36 | 78359--J3   | 3' Jack       | 05299041 | 10/26/05 |

| #  | Ref        | Description  | Drawing# | Date     |
|----|------------|--------------|----------|----------|
| 37 | 78360--J5  | 5' Jack      | 05299042 | 10/26/05 |
| 38 | 78361--JE1 | 1' End Jack  | 05299043 | 10/26/05 |
| 39 | 78362--JE5 | 5' End Jack  | 05299044 | 10/26/05 |
| 40 | 78363--JE7 | 7' End Jack  | 05299045 | 10/26/05 |
| 41 | 78364-JE7A | 7' End Jack  | 05299008 | 10/26/05 |
| 42 | 78365-JE7B | 7' End Jack  | 05299009 | 10/26/05 |
| 43 | 78366-JH1  | 1'5" Hip Jac | 05299046 | 10/26/05 |
| 44 | 78367-JH5  | 7'0"14 Hip J | 05299047 | 10/26/05 |
| 45 | 78368-JH7  | 9'10"13 Hip  | 05299048 | 10/26/05 |
| 46 | 78369-PBD1 | 7'8" Common  | 05299049 | 10/26/05 |
| 47 | 78370-PBD2 | 7'8" Stepdow | 05299050 | 10/26/05 |



# Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844  
Florida Engineering Certificate of Authorization Number: 567  
Page 1 of 1 Document ID: ISRL215-Z0326102458

Truss Fabricator: W.B. Howland  
Job Identification: 2889-/The Wilcox Residence /Concept Construction of N -- LAKE CITY, FL  
Truss Count: 14  
Model Code: Florida Building Code  
Truss Criteria: ANSI/TPI-2002(STD)/FBC  
Engineering Software: Alpine Software, Version 7.20.  
Structural Engineer of Record:  
Address:  
Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration  
Floor - N/A  
Wind - 110 MPH ASCE 7-02 -Closed

## Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Seal Date: 10/26/2005

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

## Revised Trusses

| #  | Ref        | Description   | Drawing# | Date     |
|----|------------|---------------|----------|----------|
| 1  | 78343-D5   | 46'8" Mono Hi | 05299025 | 10/26/05 |
| 2  | 78349-D11  | 46'8" Stepdo  | 05299031 | 10/26/05 |
| 3  | 78350-D12  | 32'10"8 Step  | 05299032 | 10/26/05 |
| 4  | 78351-D13  | 29'7" Mono H  | 05299033 | 10/26/05 |
| 5  | 78352-D14  | 29'7" Mono H  | 05299034 | 10/26/05 |
| 6  | 78353-D15  | 29'7" Mono H  | 05299035 | 10/26/05 |
| 7  | 78359--J3  | 3' Jack       | 05299041 | 10/26/05 |
| 8  | 78360--J5  | 5' Jack       | 05299042 | 10/26/05 |
| 9  | 78362--JE5 | 5' End Jack   | 05299044 | 10/26/05 |
| 10 | 78363--JE7 | 7' End Jack   | 05299045 | 10/26/05 |
| 11 | 78366-JH1  | 1'5" Hip Jac  | 05299046 | 10/26/05 |
| 12 | 78367-JH5  | 7'0"14 Hip J  | 05299047 | 10/26/05 |
| 13 | 78368-JH7  | 9'10"13 Hip   | 05299048 | 10/26/05 |
| 14 | 78370-PBD2 | 7'8" Stepdo   | 05299050 | 10/26/05 |



See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

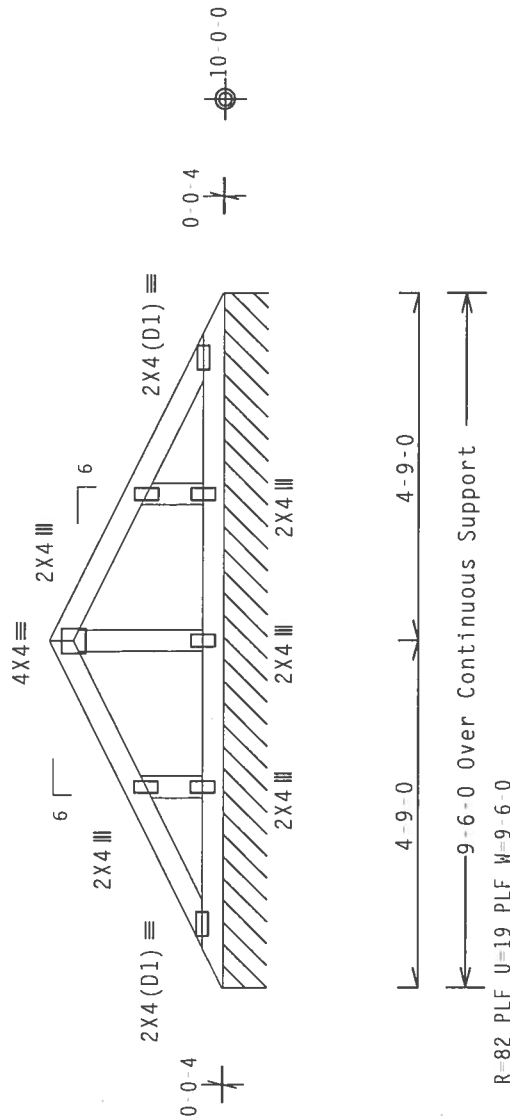
Deflection meets L/240 live and L/180 total load.

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.

The overall height of this truss excluding overhang is 2-4-12.

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 A11015EC0901 FOR ADDITIONAL REQUIREMENTS.



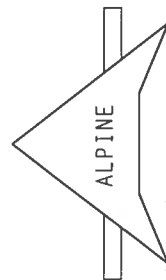
Design Crit: TPI-2002(STD)/FBC  
Ca/RT=1.00(1.25)/

PLT TYP. Wave

QTY:1 FL/-5/-/-R/- Scale =.375"/Ft.

\*WARNING\*\* THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID BEAM CEILING.

**\*\*IMPORTANT\*\***-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGNED STRUCTURE WITH THE CORRECT FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES OR CONNECTIONS WILL BE THE PROPERTY OF THE USER. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED BY THE DRAWINGS. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. THE POSITION OF THE TRUSS COMPONENTS SHALL BE AS SHOWN ON THE DRAWING. THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN IS GIVEN TO THE INSTALLING DESIGNER PER ANSI/JE 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844

James City, FL 33844  
Fl. Certificate of Authorization # 567

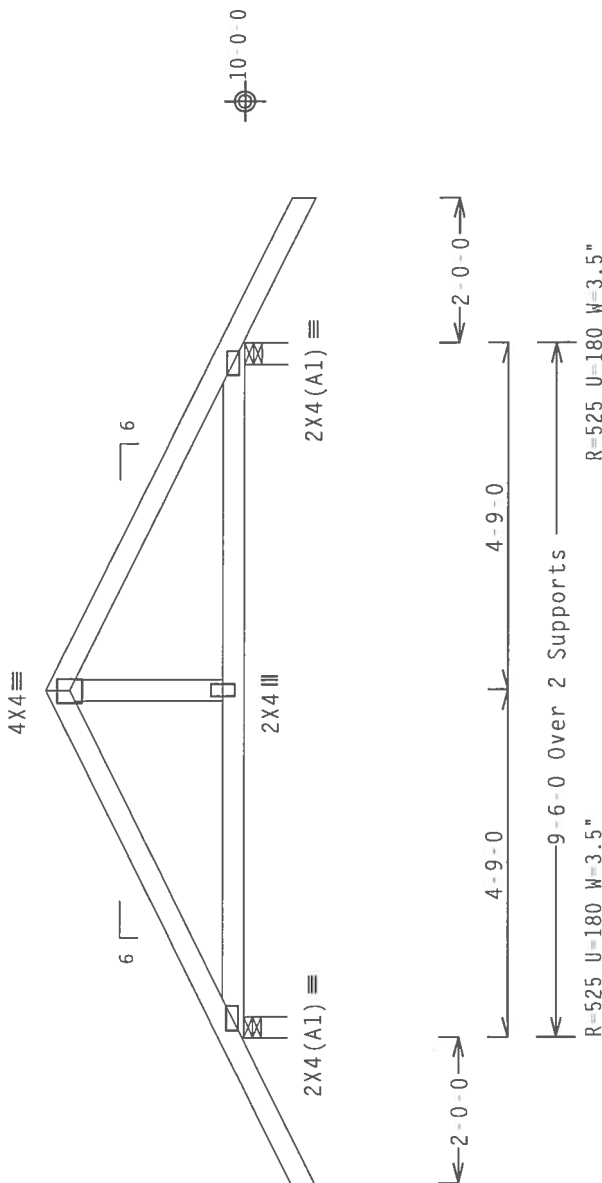
|          |       |     |               |                   |   |       |
|----------|-------|-----|---------------|-------------------|---|-------|
| TC LL    | 20.0  | PSF | REF           | R215              | - | 78324 |
| TC DL    | 10.0  | PSF | DATE          | 10/26/05          |   |       |
| BC DL    | 10.0  | PSF | DRW           | HCUSR215 05299005 |   |       |
| BC LL    | 0.0   | PSF | HC-ENG EC/WHK |                   |   |       |
| TOT.LD.  | 40.0  | PSF | SEQN          | 88673             |   |       |
| OUR.FAC. | 1.25  |     |               |                   |   |       |
| SPACING  | 24.0" |     | JREF          | 1SRL215 Z03       |   |       |

| Top | chord | 2x4 | SP | #2 | N |
|-----|-------|-----|----|----|---|
| Bot | chord | 2x4 | SP | #2 | N |
|     | webs  | 2x4 | SP | #2 | N |

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.

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

The overall height of this truss excluding overhang is 2-8-11.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

QTY:2 FL/-/5/-/-/R/- Scale = .375"/Ft.

\*WARNING\* TRUSSES COURTESY EXTREME CART IN FABRICATION HANDLING. SHIPPING, INSTALLING AND BRACING TO BE COMPLETED BY THE TRUSS MANUFACTURER. TRUSSES SHOWN HEREIN ARE NOT TO BE USED FOR ANY OTHER PURPOSES. SEE THE TRUSS MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION AND BRACING. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. SEE THE TRUSS MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION AND BRACING. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. SEE THE TRUSS MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION AND BRACING.

**\* IMPORTANT \*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS & PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFLICTS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND IBC (ALPINE TRUSS DESIGN SPEC., BY ALPINE) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FIGOA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF ITP1 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMAINING PORTION OF THE BUILDING. DESIGNER PER ANNEX A ITP1 SEC. 3.

|                  |       |     |                        |
|------------------|-------|-----|------------------------|
| TC LL            | 20.0  | PSF | REF R215-- 78325       |
| <del>TS DL</del> | 10.0  | PSF | DATE 10/26/05          |
| BC DL            | 10.0  | PSF | DRW HCU\$R215 05299006 |
| BC LL            | 0.0   | PSF | HC-ENG EC/WHK          |
| TOT.LD.          | 40.0  | PSF | SEQN- 88674            |
| DUR.FAC.         | 1.25  |     |                        |
| SPACING          | 24.0" |     | JREF- 1SR1215 Z03      |



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844

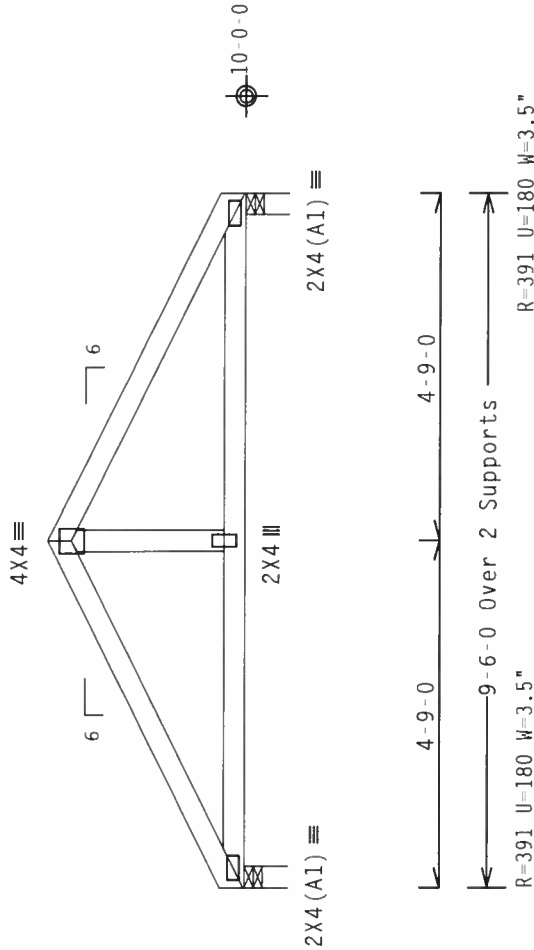
HALLIES CITY, FL 33844  
FL Certificate of Authorization # 567

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

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.

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

The overall height of this truss excluding overhang is 2-8-11.



PLT TYP. Wave

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

7.20.0918.20

Scale = .375"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND NETA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, 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. ALPINE ENGINEERED PRODUCTS, 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 ATAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/18GA (4-N/5X) ASH A663 GRADE 40/60 (IN. K/H-S) GALV. STEEL. APPLY ANY FABRICATION OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FIGS 2-4. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. THE BUILDING DESIGNER SHALL HAVE THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

|          |       |     |
|----------|-------|-----|
| 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    | R215 --  | 78326    |
| DATE   | 10/26/05 |          |
| DRW    | HCUSR215 | 05299007 |
| HC-ENG | EC/WHK   | *        |
| SEQN   | 88675    |          |
| JREF   | 1SRL215  | Z03      |

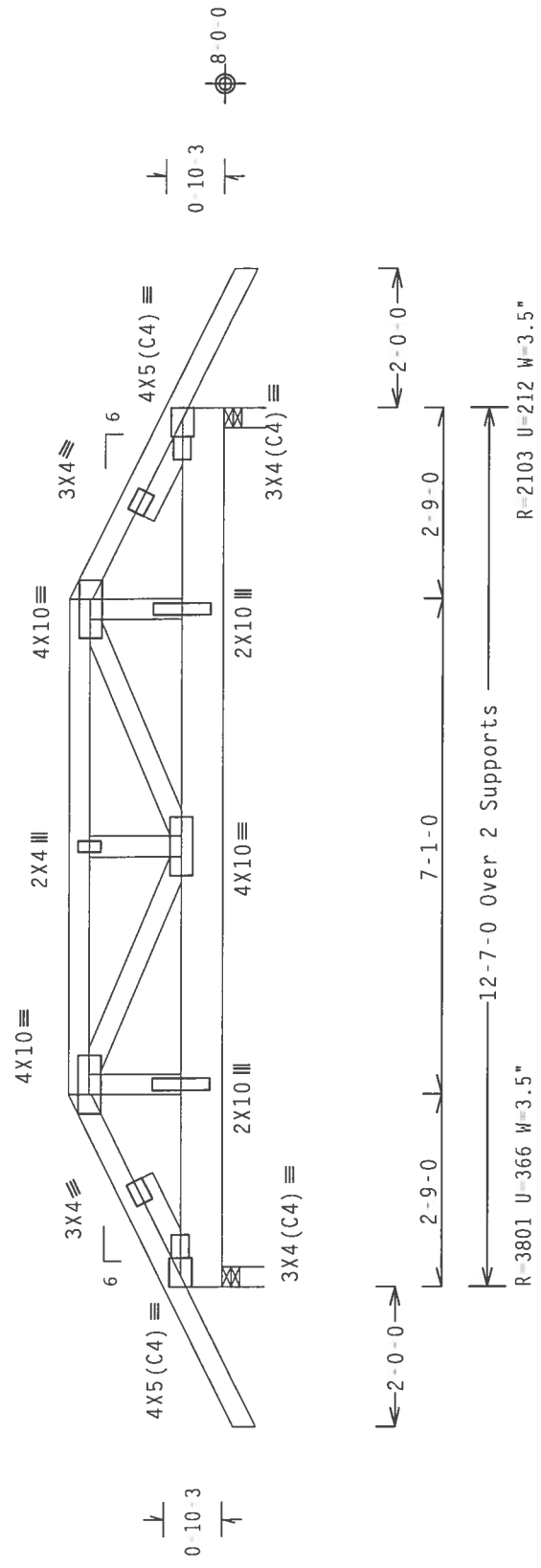


Top chord 2x4 SP #2 N  
Bot chord 2x8 SP SS  
Webs 2x4 SP #2 N  
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'  
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

**SPECIAL LOADS**  
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 62 PLF at -2.00 to 62 PLF at 14.58  
BC - From 4 PLF at -2.00 to 4 PLF at 0.00  
BC - From 20 PLF at 0.00 to 20 PLF at 12.58  
BC - From 4 PLF at 12.58 to 4 PLF at 14.58  
BC - 1125 LB Conc. Load at 1.52  
BC - 1123 LB Conc. Load at 3.52  
BC - 2353 LB Conc. Load at 5.46

## 2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.) nails)  
Top Chord: 1 Row @12.00" o.c.  
Bot Chord: 1 Row @ 4.00" o.c.  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.  
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  
Deflection meets L/240 live and L/180 total load.  
The overall height of this truss excluding overhang is 2'-2 1/2".



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.20.0918.20 QTY:1 FL/-/5/-/R/- Scale = .375"/Ft.

PLT TYP. Wave

12-7-0 Over 2 Supports  
R=3801 U-366 W=3.5"  
R=2103 U-212 W=3.5"

ALPINE

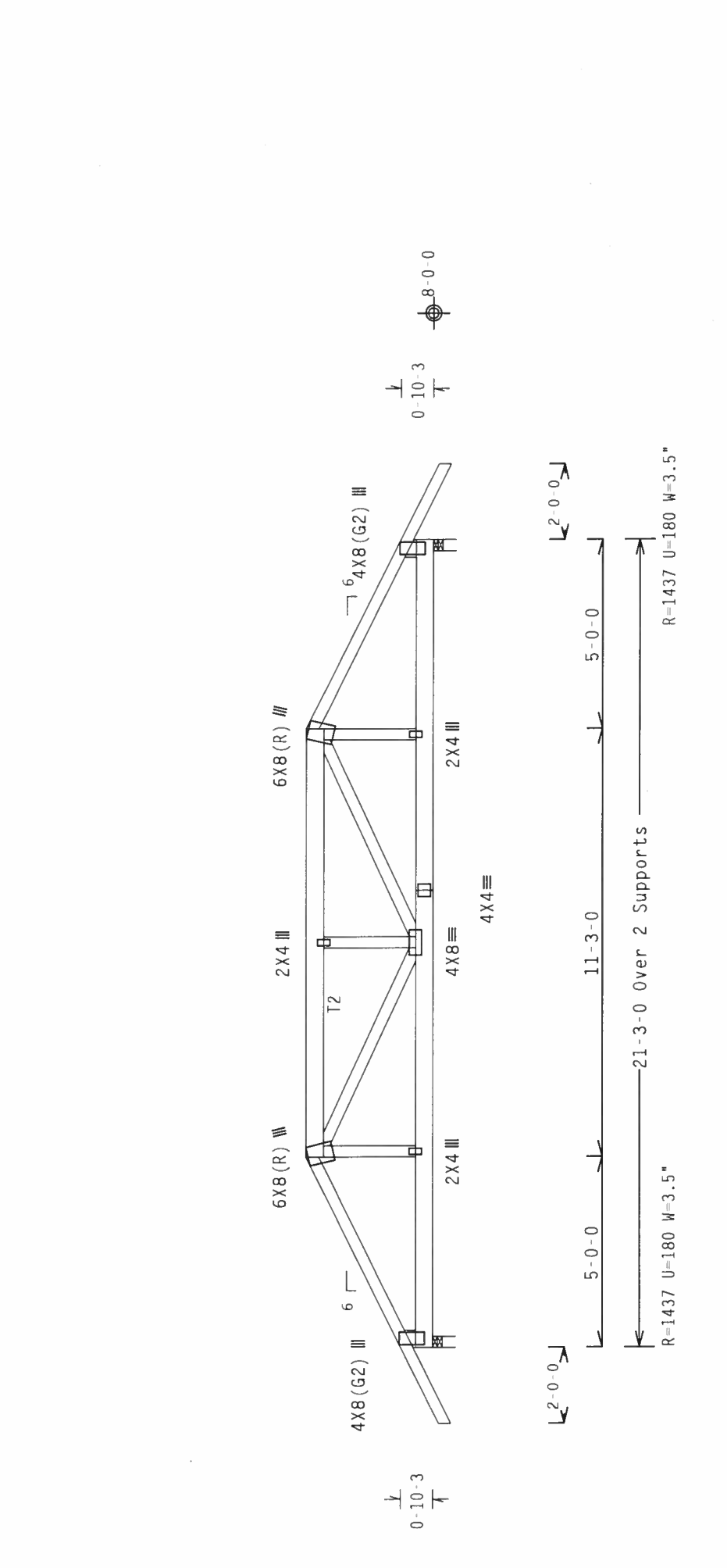
Alpine Engineered Products, Inc.  
1950 Manley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

|          |          |          |
|----------|----------|----------|
| REF      | R215     | 78328    |
| DATE     | 10/26/05 |          |
| DRW      | HCUSR215 | 05299051 |
| HC-ENG   | EC/WHK   |          |
| SEON     | 88748    |          |
| DUR.FAC. | 1.25     |          |
| SPACING  | 24.0"    |          |

Oct 26

Top chord 2x4 SP #2 N :T2 2x6 SP #2 N :  
Bot chord 2x6 SP #2 N :  
Webs 2x4 SP #2 N :  
:Lt Stubbed Wedge 2x4 SP #2 N::Rt Stubbed Wedge 2x4 SP #2 N:  
Deflection meets L/240 live and L/180 total load.

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.  
#1 hip supports 5-0-0 jacks W/2 panel TC and no end vert.  
The overall height of this truss excluding overhang is 3-4-3.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.20.0918.20

Scale = .25"/Ft.

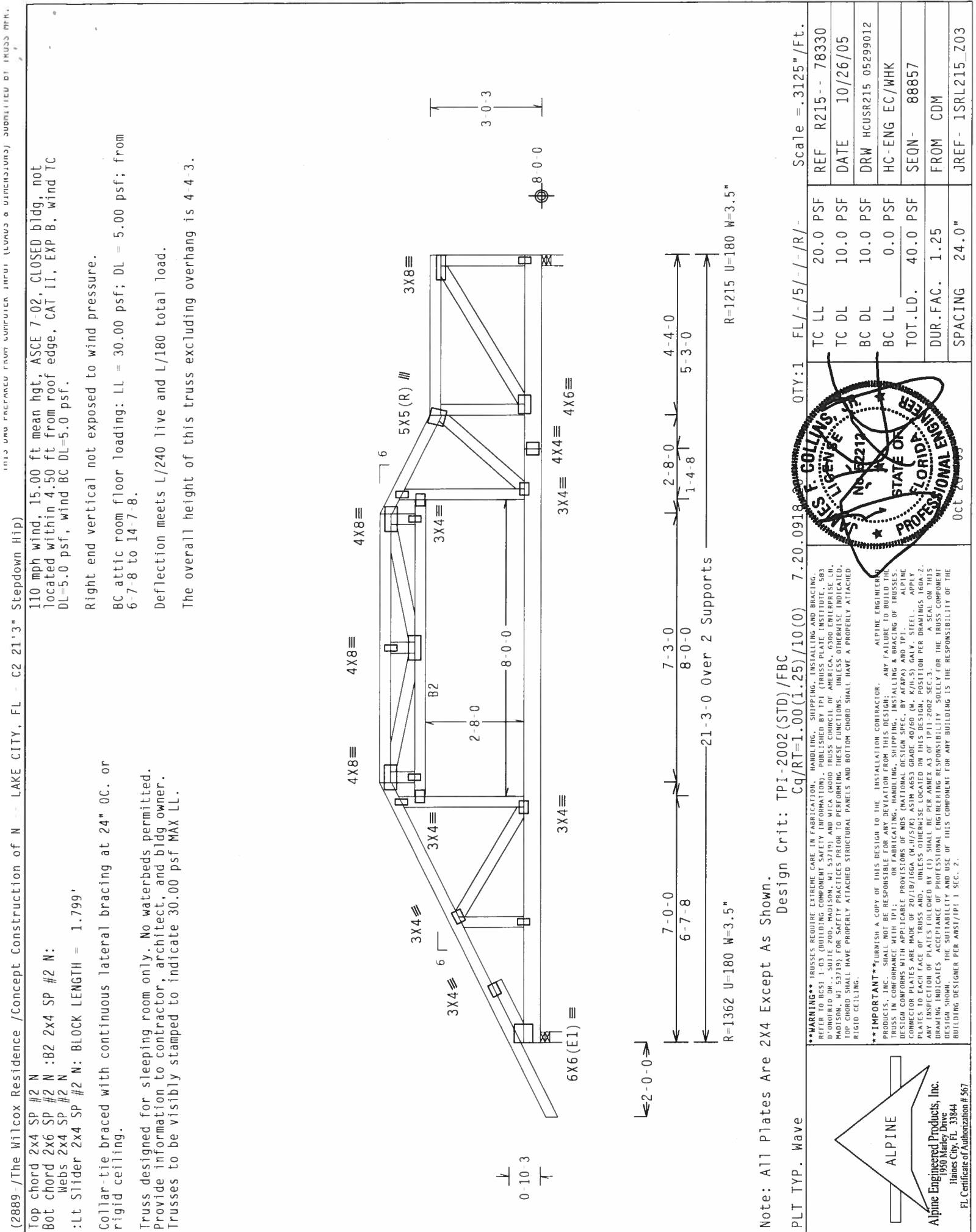
|          |          |        |             |          |
|----------|----------|--------|-------------|----------|
| TC LL    | 20.0 PSF | REF    | R215--      | 78329    |
| TC DL    | 10.0 PSF | DATE   | 10/26/05    |          |
| BC DL    | 10.0 PSF | DRW    | HCUSR215    | 05299011 |
| BC LL    | 0.0 PSF  | HC-ENG | EC/WHK      |          |
| TOT.LD.  | 40.0 PSF | SEQN   | 88702       |          |
| DUR.FAC. | 1.25     |        |             |          |
| SPACING  | 24.0"    | JREF   | 1SRL215_Z03 |          |

ALPINE

Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

STATE OF FLORIDA  
F. COLINS, JR.  
P.E.  
No. 51224  
Professional Engineer

Oct 2005



(2889- /The Wilcox Residence /Concept Construction of N - LAKE CITY, FL - C2 21'3" Steepdown Hip)

Top chord 2x4 SP #2 N  
Bot chord 2x6 SP #2 N :B2 2x4 SP #2 N:  
Webs 2x4 SP #2 N  
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.799'

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

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

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.

Right end vertical not exposed to wind pressure.

BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 6-7-8 to 14-7-8.

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

The overall height of this truss excluding overhang is 4-4-3.

0-10-3

6X6(E1)

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

3X4

Top chord 2x4 SP #2 N  
Bot chord 2x6 SP #2 N :B2 2x4 SP #2 N:  
Webs 2x4 SP #2 N  
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH =

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

Truss designed for sleeping room only. No waterbeds permitted.  
Provide information to contractor, architect, and bldg owner.  
Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

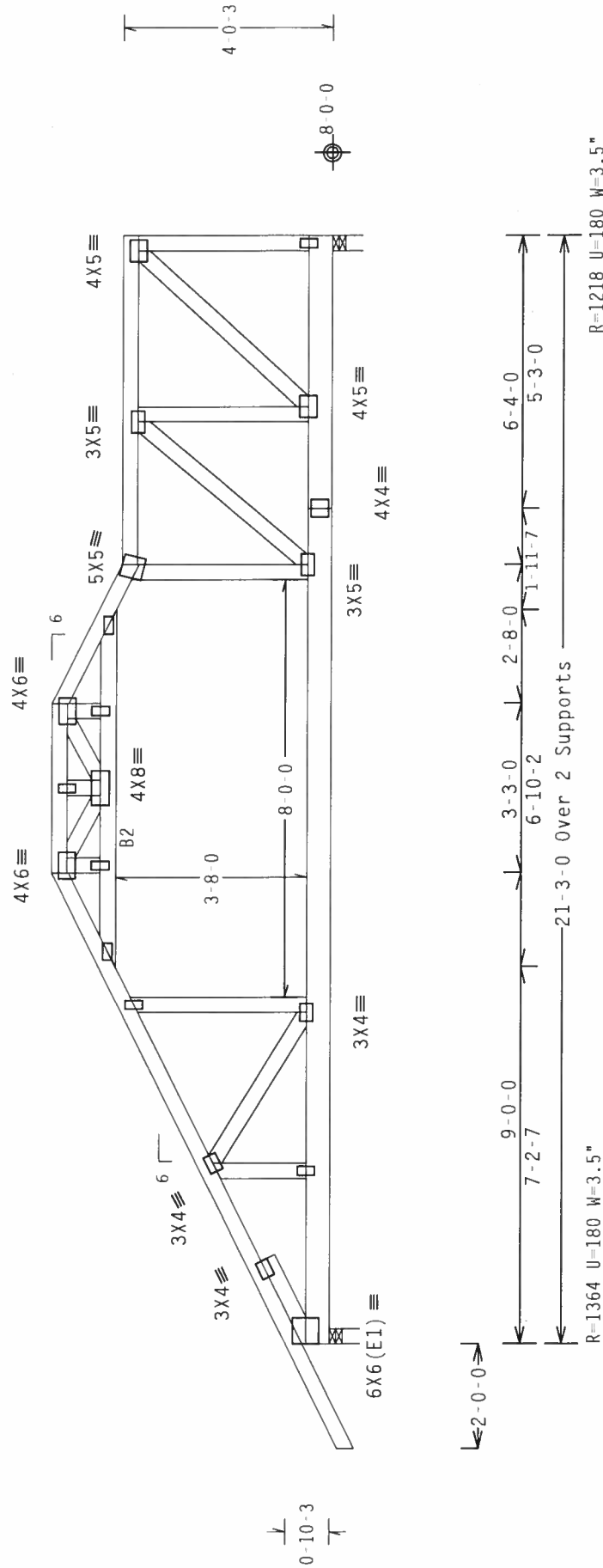
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 6-7-8 to 14-7-8.

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

The overall height of this truss excluding overhang is 5-4-3.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

$$Ca/RT=1.00(1.25)/10(0) \quad 7.$$

QTY:1 FI/-/5/-/-/R/-/

Scale = .3125"/Ft.

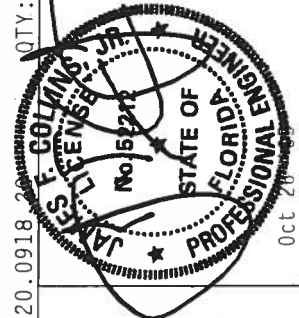
|          |    |       |     |      |                   |
|----------|----|-------|-----|------|-------------------|
| TC       | LL | 20.0  | PSF | REF  | R215 -- 78331     |
| TC       | DL | 10.0  | PSF | DATE | 10/26/05          |
| BC       | DL | 10.0  | PSF | DRW  | HCUSR215 05299013 |
| BC       | LL | 0.0   | PSF | HC   | ENG EC/WHK        |
| TOT.LD.  |    | 40.0  | PSF | SEQN | 88852             |
| DUR.FAC. |    | 1.25  |     | FROM | CDM               |
| SPACING  |    | 24.0" |     | JREF | 1SR1215 Z03       |



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

**\*\*WARNING\*\*** INVESE'S REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO INVESE'S BUILDING CODE INFORMATION, PUBLISHED BY THE CROSS PLATE INSTITUTE, 983 DOWNSIDE RD., SUITE 200, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE, INVESE'S 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, ALSO THE ENGINEER, STRUCTURAL, 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND ALPHINE TRUSS COMPANIES WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND ALPHINE TRUSS COMPANIES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS, FIG. 2. ALL PLATES TO BE PER AMERICAN A36 STEEL. ALL PLATES TO BE PER AMERICAN A36 STEEL. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS CONSTRUCTION. THE SEAL OF THIS CONTRACTOR FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN A36 STEEL.



Haines City, FL 33844  
FL Certificate of Authorization #567

Top chord 2x4 SP SS : T2 2x4 SP #2 Dense:

: T3 2x4 SP #2 N:

Bot chord 2x6 SP #2 N :B2 2x4 SP #2 N:

Webs 2x4 SP #2 N

: Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1,500'

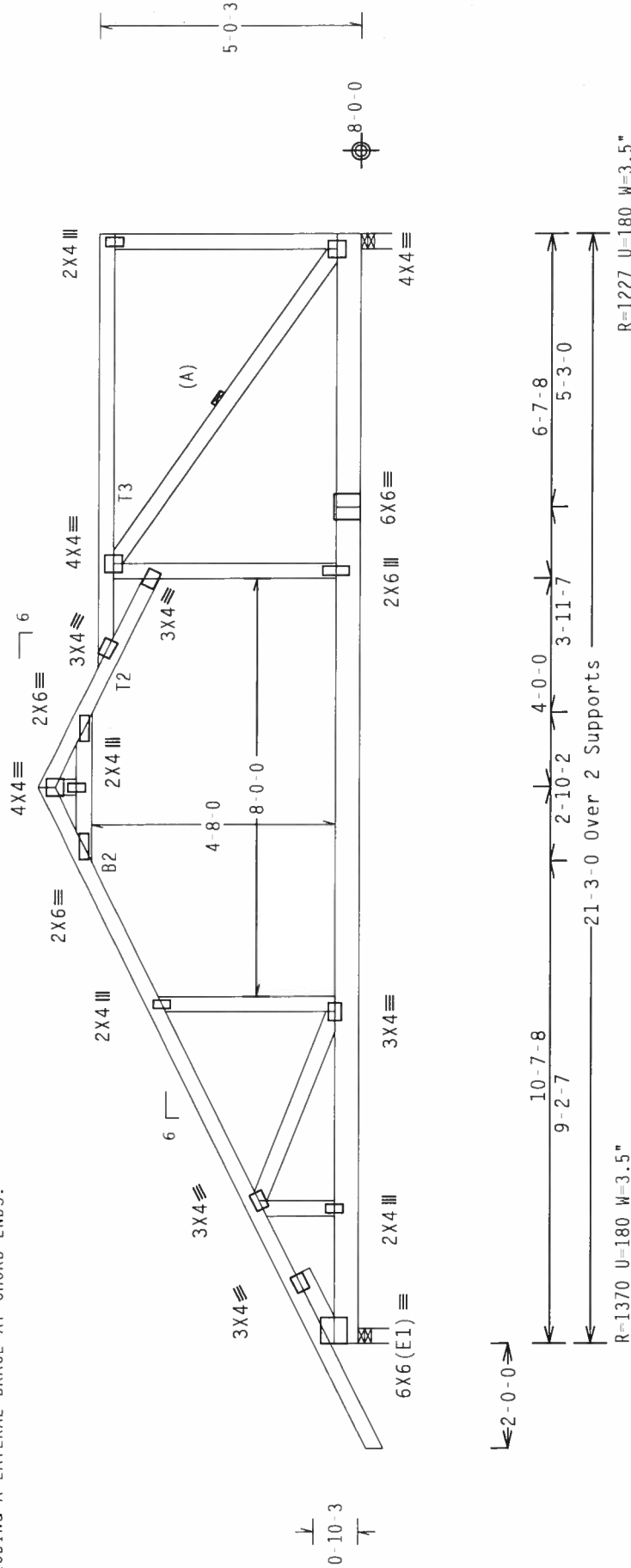
Calculated horizontal deflection is 0.13" due to live load and 0.16" due to dead load.

BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 6-7-8 to 14-7-8.

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

The overall height of this truss excluding overhang is 6-1-15.

SEE DWGS TCFILLER1103 FOR FILLER DETAILS.  
LATERAL BRACE TOP CHORD BELOW FILLER @ 24"OC.  
INCLUDING A LATERAL BRACE AT CHORD ENDS.



PLT TYP. Wave

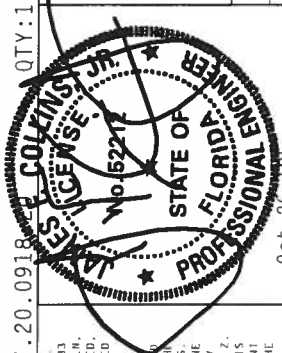
Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0) \quad 7.20.0918,$$

QTY:1 FL/-/5/-/-/R/-/

$$\text{Scale} = 3125''/\text{Foot}$$

|          |       |     |        |          |          |
|----------|-------|-----|--------|----------|----------|
| TC LL    | 20.0  | PSF | REF    | R215--   | 78332    |
| TC DL    | 10.0  | PSF | DATE   | 10/26/05 |          |
| BC DL    | 10.0  | PSF | DRW    | HCUSR215 | 05299014 |
| BC LL    | 0.0   | PSF | HC-ENG | EC/WHK   |          |
| TOT.LD.  | 40.0  | PSF | SEQN-  | 88847    |          |
| DUR.FAC. | 1.25  |     | FROM   | CDM      |          |
| SPACING  | 24.0" |     | JREF   | 1SR1215  | Z03      |



Haines City, FL 33844  
FL Certificate of Authorization # 567

Haines City, FL 33844  
FL Certificate of Authorization # 567

Haines City, FL 33844  
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N : T1 2x4 SP #2 Dense:

Bot chord 2x6 SP SS :B2 2x4 SP #2 N:

```

:Webbs 2x4 SP #2 N
:Webbs 2x4 SP #2 N: BLOCK LENGTH = 1.799.

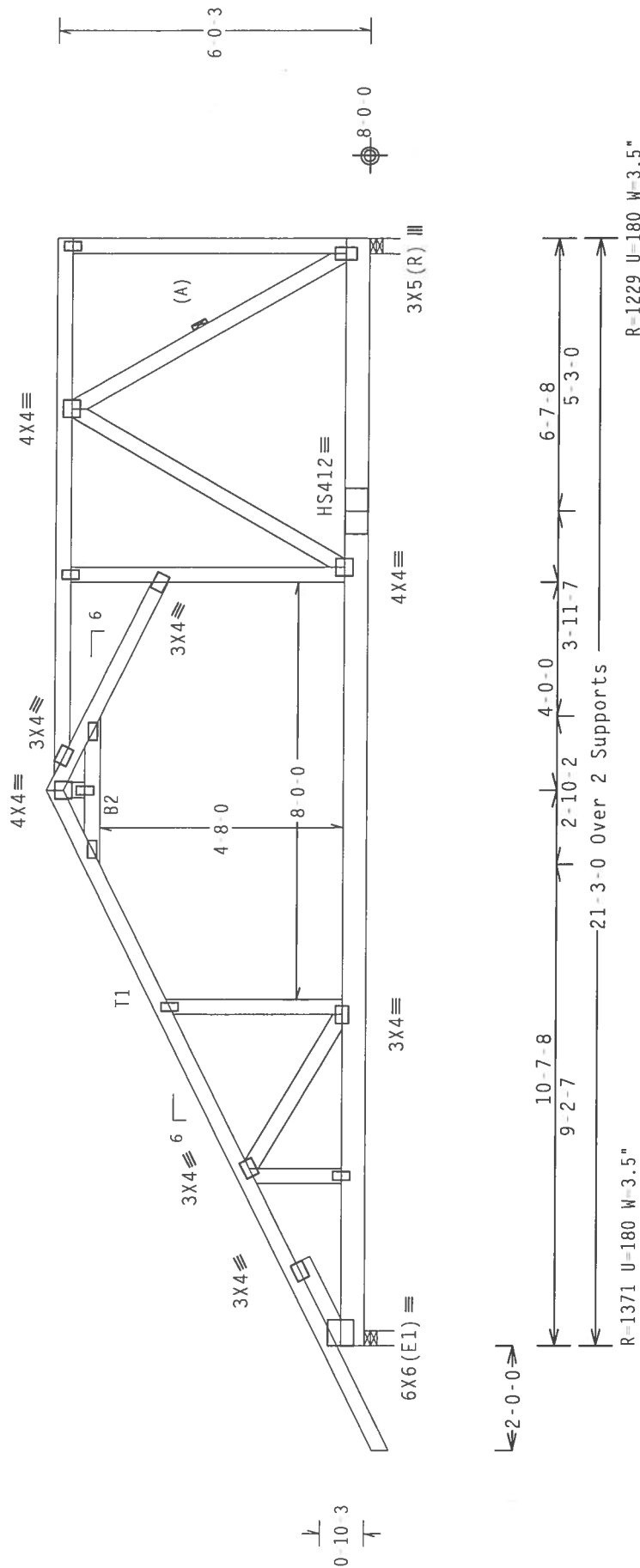
```

Calculated horizontal deflection is 0.15" due to live load and 0.18" due to dead load.

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

Truss designed for sleeping room only. No waterbeds permitted.  
Provide information to contractor, architect, and bldg owner.  
Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

SEE DWGS TCFILLER1103 FOR FILLER DETAILS.  
LATERAL BRACE TOP CHORD BELOW FILLER @ 24"OC.  
INCLUDING A LATERAL BRACE AT CHORD ENDS.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS.Wave

QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

|          |          |        |                   |
|----------|----------|--------|-------------------|
| TC LL    | 20.0 PSF | REF    | R215-- 78333      |
| TC DL    | 10.0 PSF | DATE   | 10/26/05          |
| BC DL    | 10.0 PSF | DRW    | HCUSR215 05299015 |
| BC LL    | 0.0 PSF  | HC-ENG | EC/WHK            |
| TOT.LD.  | 40.0 PSF | SEQN-  | 88841             |
| DUR.FAC. | 1.25     | FROM   | CDM               |
| SPACING  | 24.0"    | JREF-  | 1SRL215 Z03       |



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844

Haines City, FL 33844  
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N : T2 2x4 SP #2 Dense:  
Bot chord 2x6 SP SS : B2, B3 2x4 SP #2 N:  
Webs 2x4 SP #2 N : W6 2x4 SP #2 Dense:  
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH 1.712"

Calculated horizontal deflection is 0.20" due to live load and 0.20" due to dead load.

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

Truss designed for sleeping room only. No waterbeds permitted.  
Provide information to contractor, architect, and bldg owner.  
Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

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.

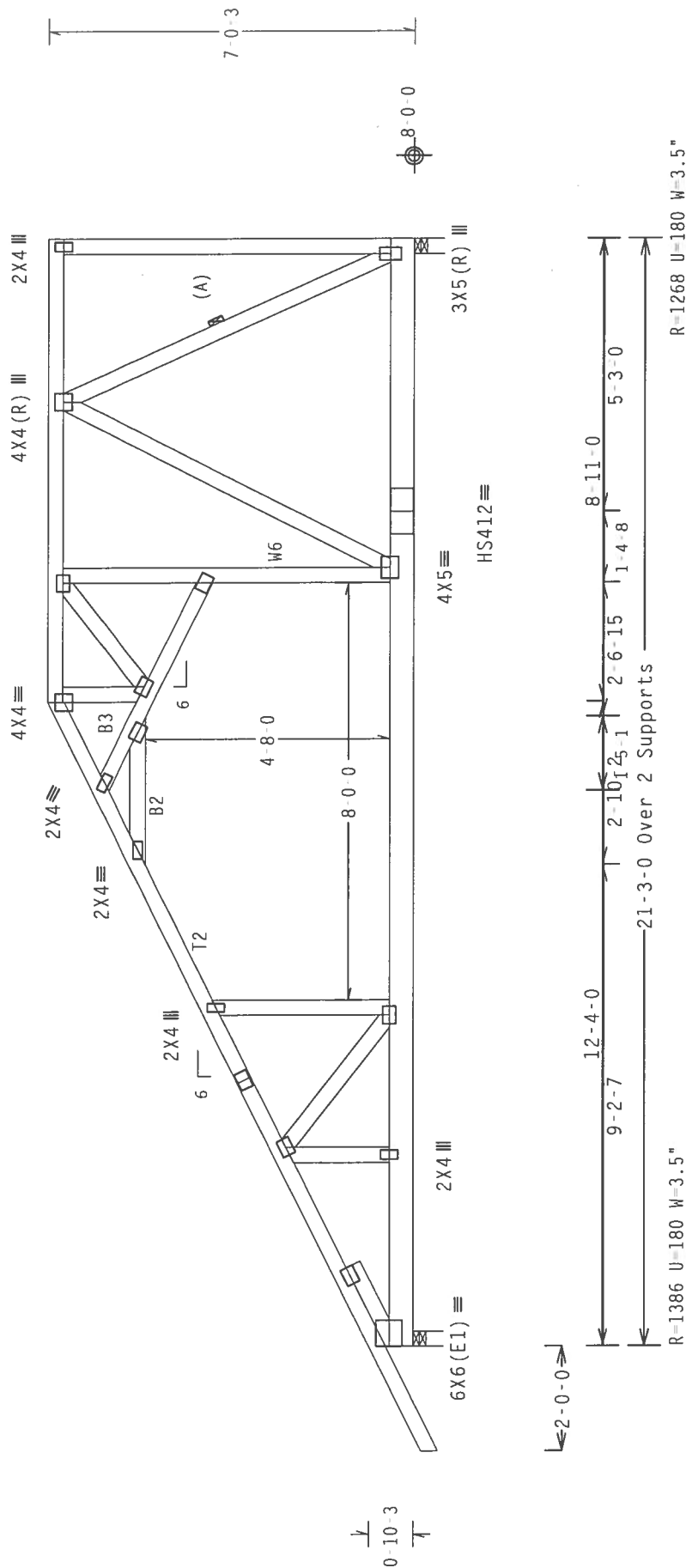
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 6-7-8 to 14-11-0.

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

The overall height of this truss excluding overhang is 7-0-3.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS, Wave

Scale = .3125"/Ft.

OFF R215-- 78334

DATE 10/26/05

CO/07/01 7140

URW HCUSR215 05299016

HC-ENG EC/WHK

88828 SEQN-

FROM CDM

FREE - 1SR1215 703

0  
0  
1  
0  
4  
1  
2  
0  
1

FL-Certificate of Authorization # 567

Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844

FL-Certificate of Authorization # 567

Top chord 2x4 SP #2 N  
Bot chord 2x6 SP SS :B2, B3 2x4 SP #2 N:  
Webs 2x4 SP #2 N :W5 2x4 SP SS:  
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.799'

Calculated horizontal deflection is 0.32" due to live load and 0.31" due to dead load.

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

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

The overall height of this truss excluding overhang is 8-0-3.

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.

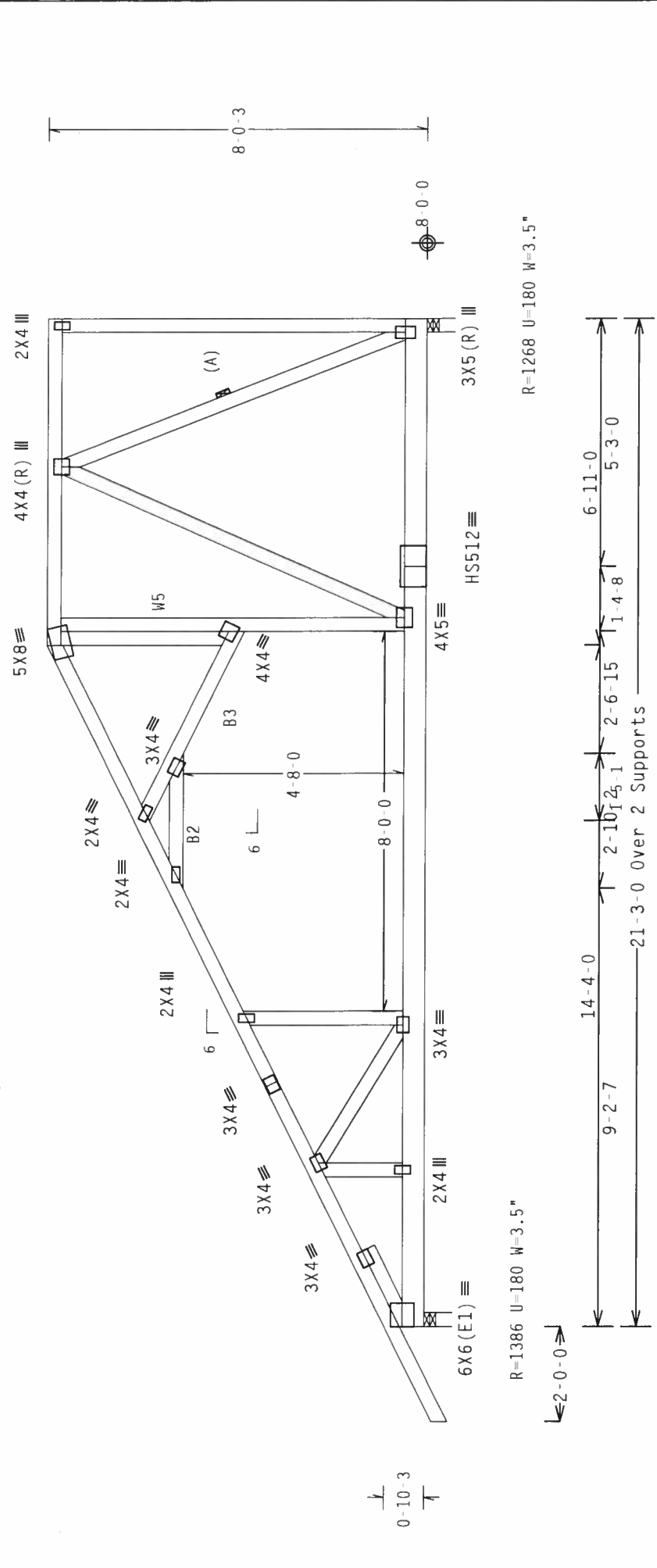
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 6-7-8 to 14-11-0.

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

Calculated vertical deflection is 0.54" due to live load and 0.51" due to dead load at X = 6-4-0.



PLT TYP. 20 Gauge HS, Ware  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.20.0918.20  
Scale = .3125"/Ft.

|          |        |             |          |
|----------|--------|-------------|----------|
|          | REF    | R215--      | 78335    |
|          | DATE   | 10/26/05    |          |
|          | DRW    | HCUSR215    | 05299017 |
|          | HC-ENG | EC/WHK      |          |
|          | SEQN   | 88831       |          |
| DUR.FAC. |        | 1.25        |          |
| SPACING  |        | 24.0"       |          |
| JREF     |        | 1SRL215_Z03 |          |



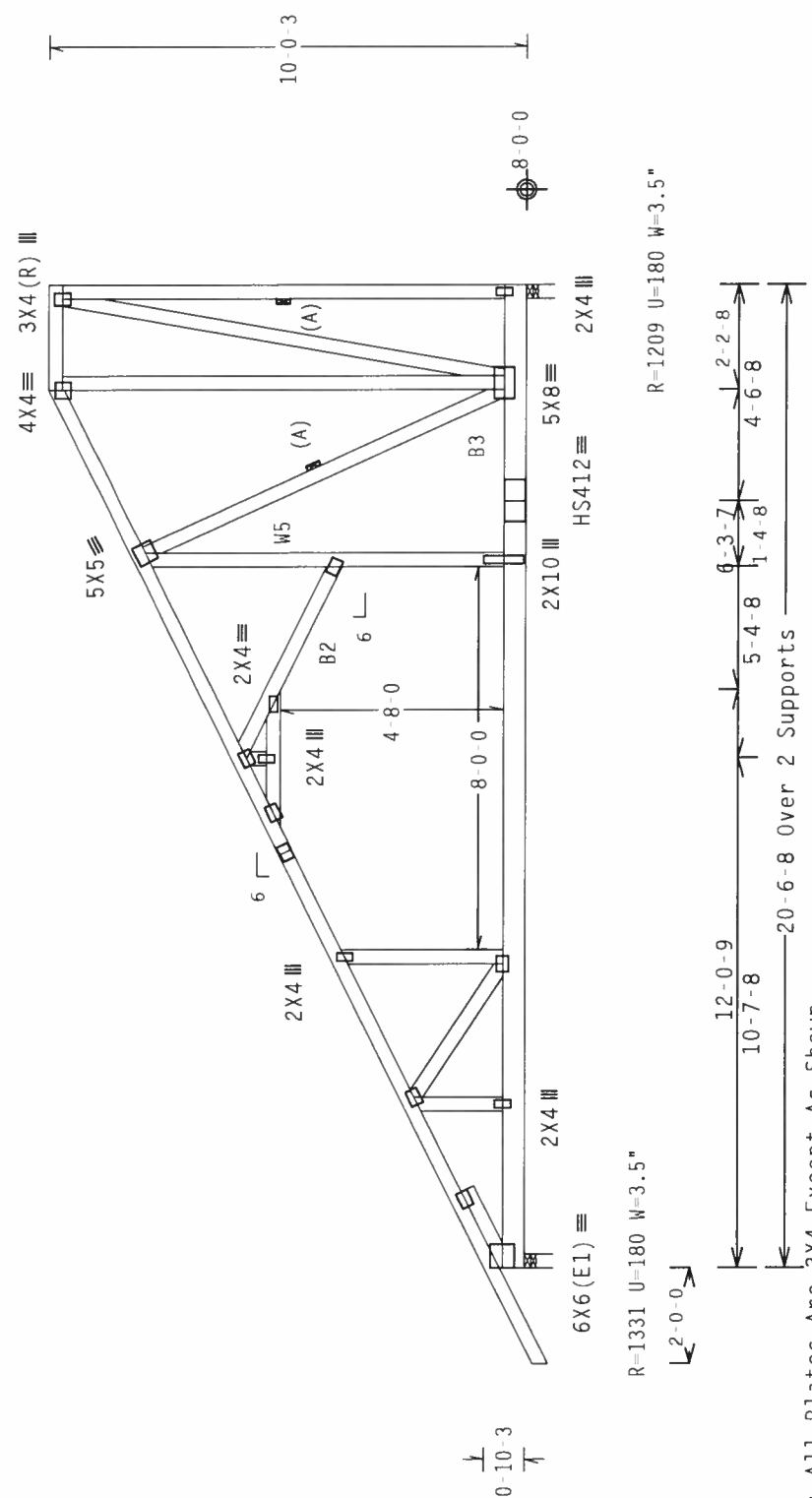
Top chord 2x4 SP #2 N  
Bot chord 2x6 SP SS :B2 2x4 SP #2 N :B3 2x6 SP #2 N :  
Webs 2x4 SP #2 N :W5 2x4 SP SS :  
:Lt Slider 2x4 SP #2 N :BLOCK LENGTH = 1.799'

Calculated horizontal deflection is 0.37" due to live load and 0.31" due to dead load.

Collar-tie braced with continuous lateral bracing at 24" OC. or BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 6-7-8 to 14-7-8.

Truss designed for sleeping room only. No waterbeds permitted.  
Provide information to contractor, architect, and bldg owner.  
Deflection meets L/240 live and L/180 total load.

Trusses to be visibly stamped to indicate 30.00 psf MAX LL. The overall height of this truss excluding overhang is 10'-0.3". Calculated vertical deflection is 0.56" due to live load and 0.47" due to dead load at  $x = 6'-4"$ .



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS.Wave

Qty: 1

Scale = .25"/Ft.



**ALPINE Engineered Products, Inc.**  
1950 Wares  
Haines City, FL 33844

FL Certificate of Authorization # 567

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 5603 DORRIS DR., SUITE 200, MADISON, WI 53719) AND HICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, 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. ALPINE ENGINEERED PRODUCTS, 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&P) AND TPI. ALL THE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W. K/H-S) 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 AMER 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 SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



0ct 20 2003

|        |              |          |          |       |     |
|--------|--------------|----------|----------|-------|-----|
| REF    | R215--       | 78337    | TC LL    | 20.0  | PSF |
| DATE   | 10/26/05     |          | TC DL    | 10.0  | PSF |
| DRW    | HCUSR215     | 05299019 | BC DL    | 10.0  | PSF |
| HC-ENG | EC/WHK       |          | BC LL    | 0.0   | PSF |
| SEQN-  | 88874        |          | TOT.LD.  | 40.0  | PSF |
| FROM   | CDM          |          | DUR.FAC. | 1.25  |     |
| JREF-  | 1SRLL215_Z03 |          | SPACING  | 24.0" |     |



Top chord 2x4 SP #2 N :T2, T3 2x6 SP #2 N:  
Bot chord 2x6 SP #2 N  
Webs 2x4 SP #2 N  
:Lt Stubbed Wedge 2x4 SP #2 N:

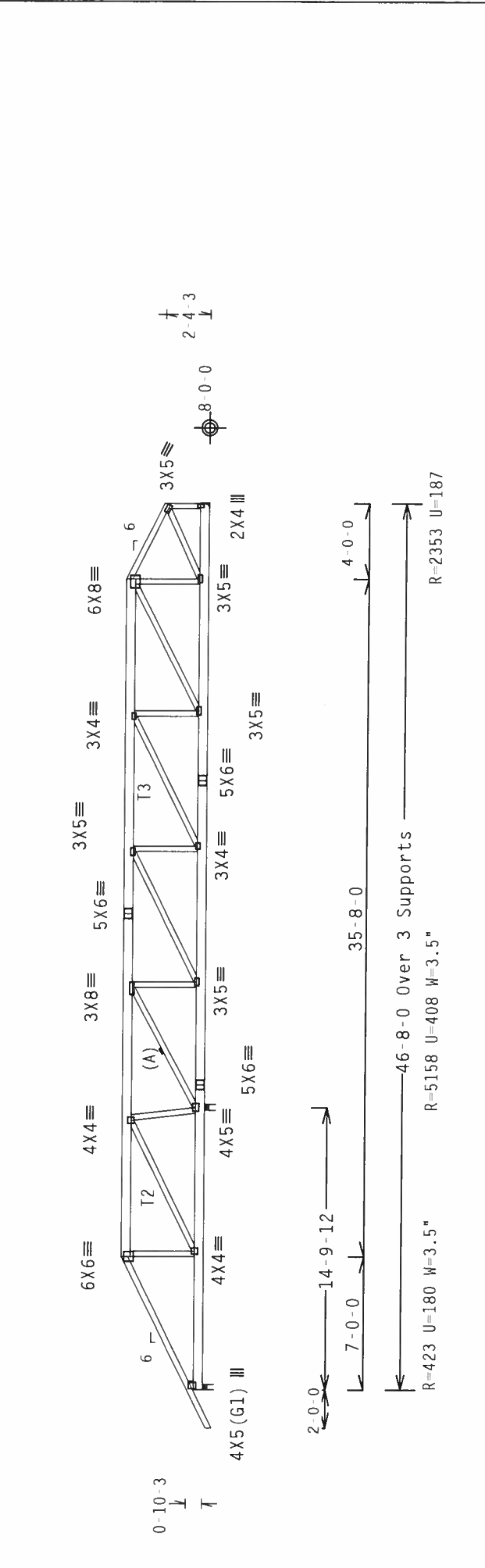
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.  
#1 hip supports 7'-0" jacks W/2 panel TC and no end vert.  
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.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", 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.  
Deflection meets L/240 live and L/180 total load.  
The overall height of this truss excluding overhang is 4'-4"-3."



Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-5/-/-R/- Scale = .125"/Ft.

|                                                                                                                                                                                                                            |                    |  |                     |                   |                                                                       |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--|---------------------|-------------------|-----------------------------------------------------------------------|--|
| <br>ALPINE<br>Alpine Engineered Products, Inc.<br>1950 Marley Drive<br>Haines City, FL 33844<br>FL Certificate of Authorization # 567 | PLT TYP. Wave      |  | TPI-2002(STD)/FBC   |                   | Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-5/-/-R/- Scale = .125"/Ft. |  |
|                                                                                                                                                                                                                            | R=423 U=180 W=3.5" |  | R=5158 U=408 W=3.5" |                   | REF R215-- 78339                                                      |  |
|                                                                                                                                                                                                                            | R=2353 U=187       |  |                     |                   | DATE 10/26/05                                                         |  |
|                                                                                                                                                                                                                            |                    |  |                     |                   | DRW HCUSR215 05299021                                                 |  |
|                                                                                                                                                                                                                            |                    |  |                     |                   | HC-ENG EC/WHK                                                         |  |
|                                                                                                                                                                                                                            |                    |  |                     | SEQN 88737        |                                                                       |  |
|                                                                                                                                                                                                                            |                    |  |                     | DUR.FAC. 1.25     |                                                                       |  |
|                                                                                                                                                                                                                            |                    |  |                     | SPACING 24.0"     |                                                                       |  |
|                                                                                                                                                                                                                            |                    |  |                     | JREF- 1SRL215_203 |                                                                       |  |

**WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 1003 O'DONOHIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, 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. PRODUCTS, 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS.

**ALPINE ENGINEERED PRODUCTS, INC.**  
1950 Marley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

**JAMES F. GOLLINS, JR.**  
No. 67212  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
Oct 26 09

(2889- /The Wilcox Residence /Concept Construction of N - LAKE CITY, FL - D2 46'8" Stepdown Hip)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

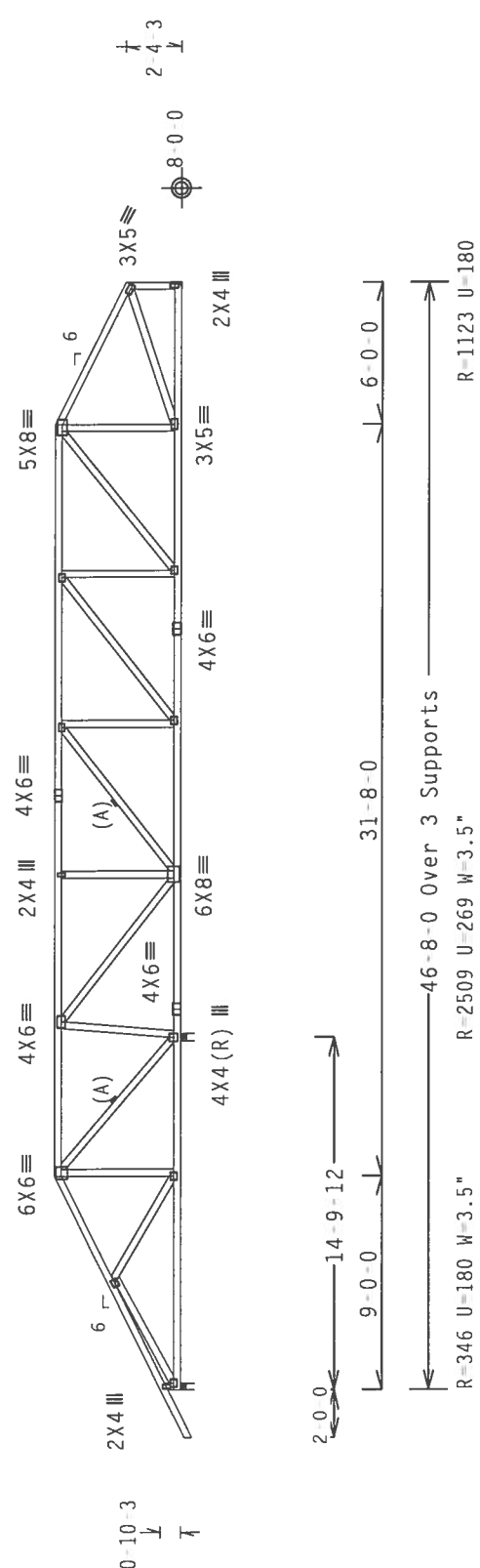
(A) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

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

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

The overall height of this truss excluding overhang is 5'4" 3/4."



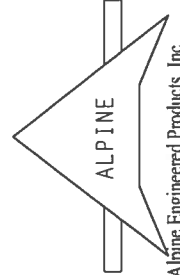
Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.20.0918.20

QTY:1 FL/-/5/-/-/R/-

Scale = .125"/Ft.

|                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |        |          |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------|----------|----------|
| <br>Alpine Engineered Products, Inc.<br>1950 Marley Drive<br>Haines City, FL 33844<br>FL Certificate of Authorization # 567 | **WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4.0/5/8) ASTM A653 GRADE 40/60 (4.0/5/8) GALV. STEEL. APPLY 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 ANNEAL AS OF 1911 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING AND MANUFACTURING. THIS COMPONENT OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/101.1 SEC. 2. |  | REF    | R215 -   | 78340    |
|                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | DATE   | 10/26/05 |          |
|                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | DRW    | HCUSR215 | 05299022 |
|                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | HC-ENG | EC/WHK   |          |
|                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | SEQN   | 88740    |          |
|                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | JREF   | 1SRL215  | Z03      |

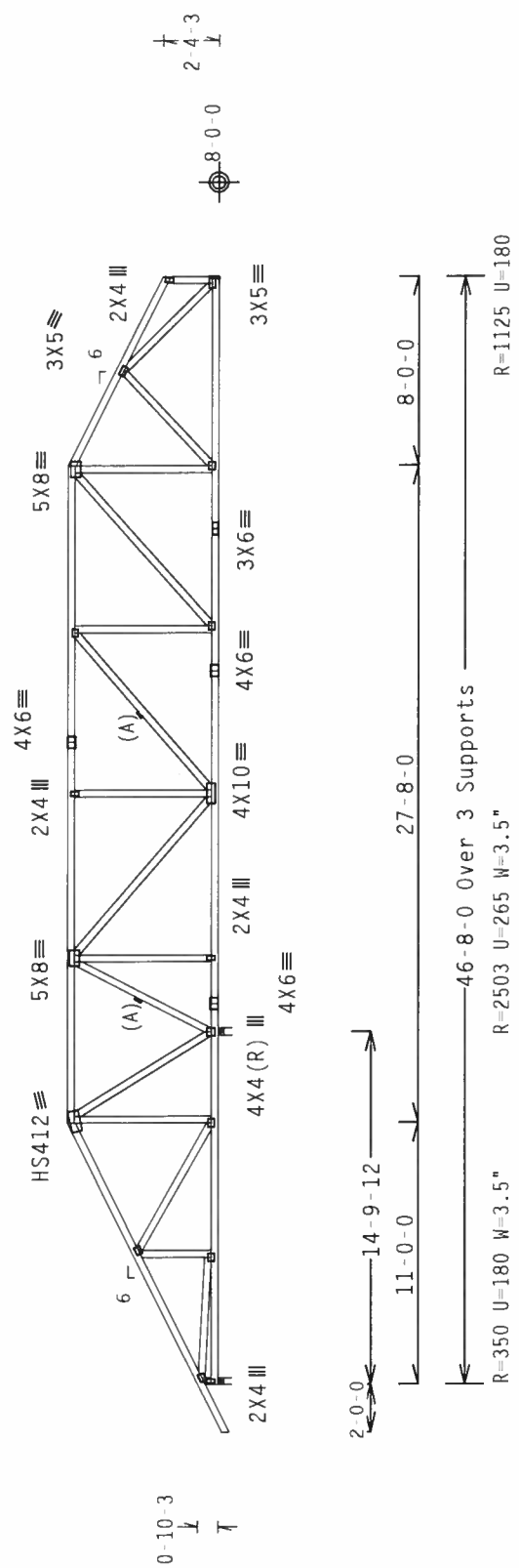
|     |       |     |    |    |   |
|-----|-------|-----|----|----|---|
| Top | chord | 2x4 | SP | #2 | N |
| Bot | chord | 2x4 | SP | #2 | N |
|     | Webs  | 2x4 | SP | #2 | N |

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 6-4-3.

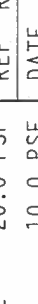


Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS, Wave

Scale = .125"/Ft.



**ALPINE**

**Alpine Engineered Products, Inc.**  
 1950 Manley Drive  
 Haines City, FL 33844

**FL Certificate of Authorization # 567**

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS 1-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 563 DUNDON DR., SUITE 100, MAUDSLON, NJ 07219, AND NCEA (NATIONAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., MAUDSLON, NJ 07219) 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN REQUIREMENTS FOR BRACING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONCERNS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. (NDS) APPLY. ALL TRUSS CONNECTOR PLATES ARE MADE OF 20/10/16GA (IN W/2X) ASTM A563 GRADE 40/60 (IN W/16 S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AED A3 OF TP11-2002 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/TP1 1 SEC. 2.

REF R215-- 78341

DATE 10/26/05

DRW HCUSTR215 05299023

HC-ENG EC/WHK

SEON- 88745

JREF- 1SRL215 203

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"

|           |     |    |    |   |
|-----------|-----|----|----|---|
| Top chord | 2x4 | SP | #2 | N |
| Bot chord | 2x4 | SP | #2 | N |
| webs      | 2x4 | SP | #2 | N |

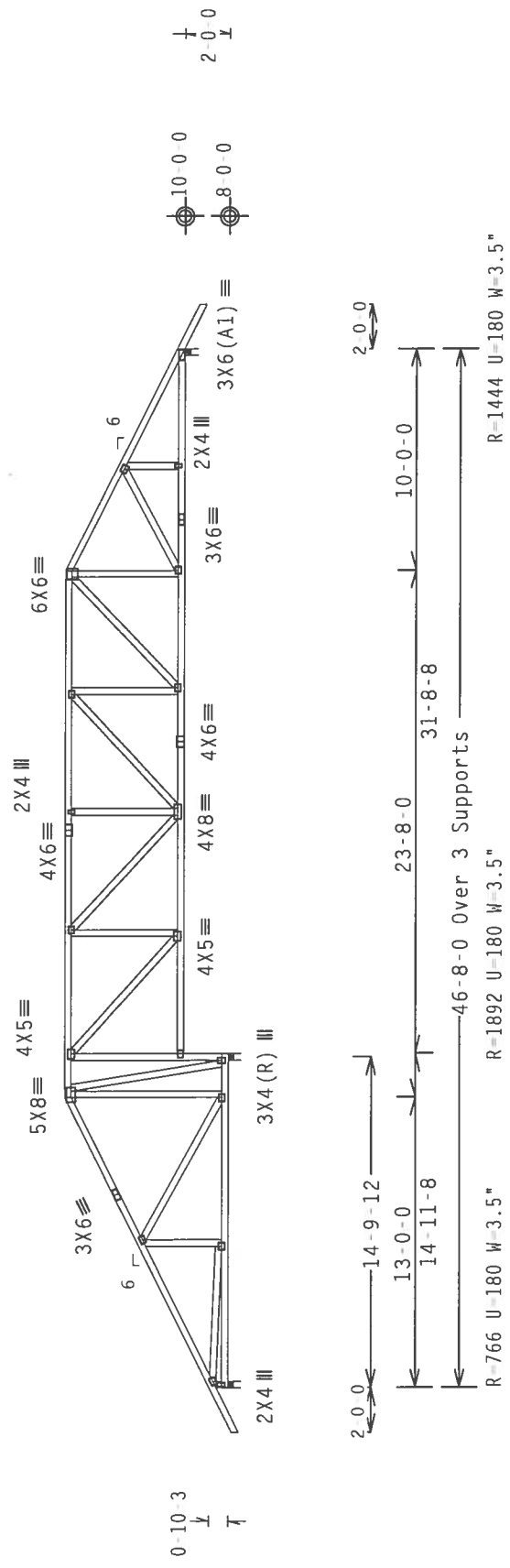
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf.

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

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

The overall height of this truss excluding overhang is 7'-4".

**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.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC  
C<sub>g</sub>/RT=1.00(1.25)/1

| PLT TYP.     | Wave             | Cq/RT=1.00(1.25)/10(0) | 7.20.0918 | QTY:1 | FL/-5/-/R/- | Scale =.125"/Ft. |
|--------------|------------------|------------------------|-----------|-------|-------------|------------------|
| Design Crit: | PI-2002(SID)/FBC |                        |           |       |             |                  |

|                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                     |       |      |        |          |          |             |       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--------|----------|----------|-------------|-------|--|
| <div><div>ALPINE</div><div>Alpine Engineered Products, Inc.<br/>19500 Dreyfus Drive<br/>Hanna City, FL 33844</div></div> <div>FL Certificate of Authorization # 567</div> | <b>**WARNING**</b> TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS FACTORY INSTITUTE, 583 B'OHORIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., 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 RIBBON CEILING. | <div><div><div>JAMES E. COLLINS, P.E.</div><div>FLORIDA PROFESSIONAL ENGINEER</div><div>STATE OF FLORIDA</div><div>NO. 52112</div></div><div>06/26/2023</div></div> | TC LL | 20.0 | PSF    | REF      | R215     | -           | 78342 |  |
|                                                                                                                                                                           | TC DL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                     | 10.0  | PSF  | DATE   | 10/26/05 |          |             |       |  |
|                                                                                                                                                                           | BC DL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                     | 10.0  | PSF  | DRW    | HCUR215  | 05299024 |             |       |  |
|                                                                                                                                                                           | BC LL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                     | 0.0   | PSF  | HC-ENG | EC/WHK   |          |             |       |  |
|                                                                                                                                                                           | TOT.LD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                     | 40.0  | PSF  | SEQN   | 88755    |          |             |       |  |
| DUR.FAC.                                                                                                                                                                  | 1.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                     |       |      |        |          |          |             |       |  |
| SPACING                                                                                                                                                                   | 24.0"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                     |       |      |        |          | JREF     | 1SRL215_Z03 |       |  |

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

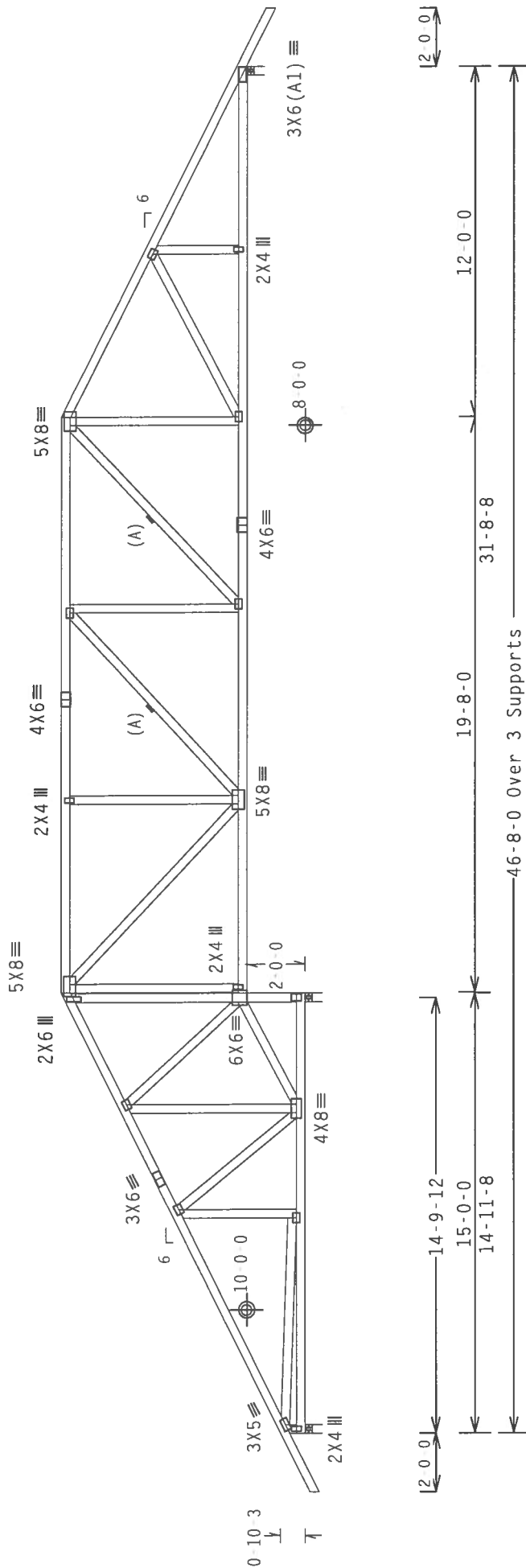
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8'-4.3".

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



R=618 U=180 W=3.5"

R=2109 U=203 W=3.5"

R=1384 U=180 W=3.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.20.0918

QTY:1 FL/-5/-/-R/-

Scale = .1875" / Ft.

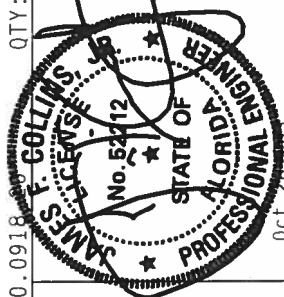
PLT TYP. Wave

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 HARRISON AVE., SUITE 100, HARRISON, NJ 07033, 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. PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/P) ASTM A653 GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY 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 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.



Alpine Engineered Products, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 567



|          |          |        |          |          |
|----------|----------|--------|----------|----------|
| TC LL    | 20.0 PSF | REF    | R215--   | 78343    |
| TC DL    | 10.0 PSF | DATE   | 10/26/05 |          |
| BC DL    | 10.0 PSF | DRW    | HCUSR215 | 05299025 |
| BC LL    | 0.0 PSF  | HC-ENG | EC/WHK   |          |
| TOT.LD.  | 40.0 PSF | SEQN-  | 88760    | REV      |
| DUR.FAC. | 1.25     |        |          |          |
| SPACING  | 24.0"    | JREF-  | 1SRL215  | Z03      |

| Top | chord | 2x4 | SP | #2 | N |
|-----|-------|-----|----|----|---|
| Bot | chord | 2x4 | SP | #2 | N |
|     | webs  | 2x4 | SP | #2 | N |

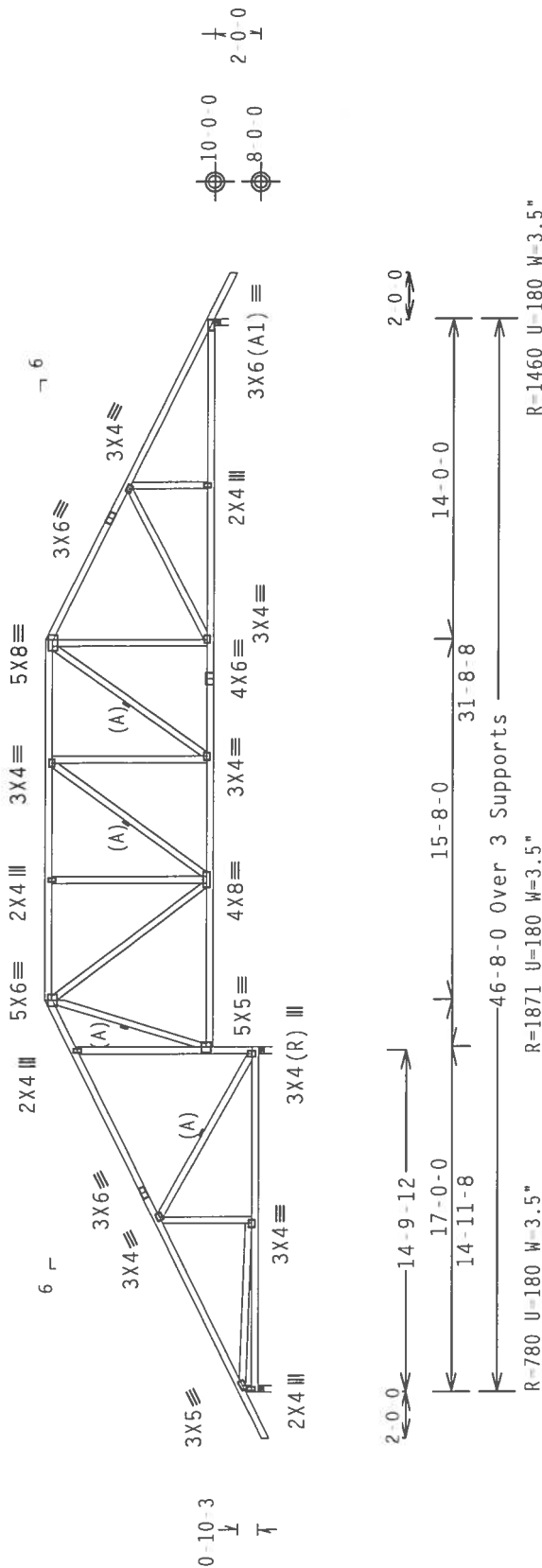
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

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

The overall height of this truss excluding overhang is 9.4.3.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

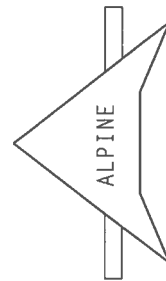
FI-2002 (SID) / FBC  
Cq/RT=1.00(1.25) / 10(0) 7 20 0918

QTY.1 E11-151-1-1B1-

Scale = 125"/ft

**\*\*WARNING\*\*** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1.1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (THUSS PULP INSTITUTE, 583 RIVER RD., SUITE 200, WOODBURN, NJ 07097), AND MCA (WOOD THUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MARIETTA, GA 30067) FOR THE LATEST RECOMMENDATIONS REGARDING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL REMAIN UNATTACHED TO RIGID CELLS.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS  
DESIGNS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE  
PRODUCTS IN ACCORDANCE WITH ALL PROJECT SPECIFICATIONS, INCLUDING FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.  
THESE CONDITIONS WILL APPLY TO ALL PROJECTS DESIGNED BY ALPINE ENGINEERS, INC. AND ALL ALPINE  
CONTRACTOR PLATES ARE MADE OF 7018/16GA OR 4130/16 GA ASTM A563 GR40/60 (A) AND STEEL  
PLATES IN 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 ANEX A OF IPTI 2009 SEC.3. A SEAL ON THIS  
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT  
DESIGN SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER SUBMITTAL 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844

El Certificate of Authorization # 567  
Haines City, FL 33844

|          |          |        |                   |
|----------|----------|--------|-------------------|
| TC LL    | 20.0 PSF | REF    | R215 - - 78344    |
| TC DL    | 10.0 PSF | DATE   | 10/26/05          |
| BC DL    | 10.0 PSF | DRW    | HGUSR215 05299026 |
| BC LL    | 0.0 PSF  | HC-ENG | EC/WHK            |
| TOT.LD.  | 40.0 PSF | SEQN - | 88764             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    | JREF-  | 1SR1215 Z03       |

(2889 - /The Wilcox Residence /Concept Construction of N - LAKE CITY, FL - D7 46'-8" Mono Hip)

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

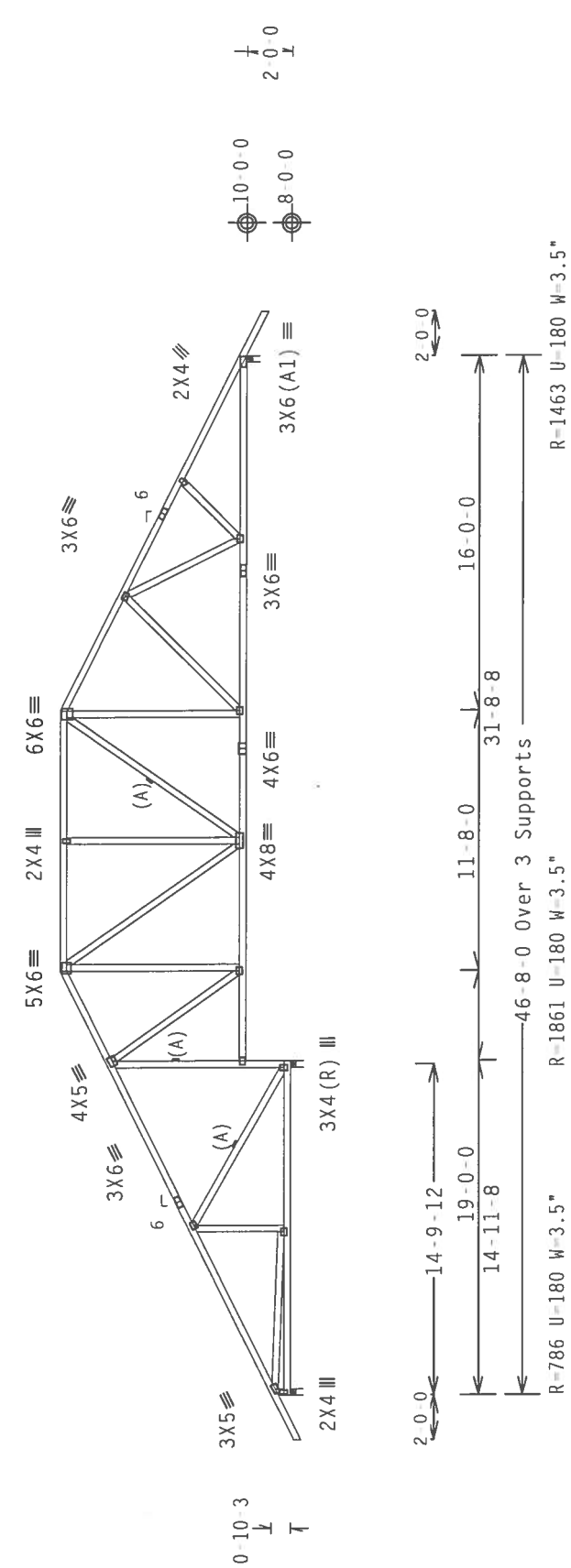
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

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

The overall height of this truss excluding overhang is 10-4 3/4.

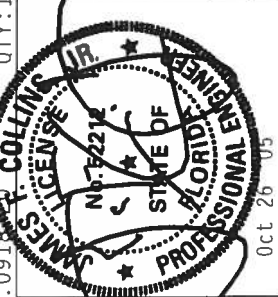


Note: All Plates Are 3X4 Except As Shown.

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

PLT TYP. Wave QTY: 1 FL / - / 5 / - / R / - Scale = .125" / Ft.

|          |          |        |                   |
|----------|----------|--------|-------------------|
| TC LL    | 20.0 PSF | REF    | R215 - 78345      |
| TC DL    | 10.0 PSF | DATE   | 10/26/05          |
| BC DL    | 10.0 PSF | DRW    | HCUSR215 05299027 |
| BC LL    | 0.0 PSF  | HC-ENG | EC/WHK            |
| TOT.LD.  | 40.0 PSF | SEQN   | 88768             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    | JREF   | 1SRL215_Z03       |



**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON, MI 48179, 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. ALPINE ENGINEERED PRODUCTS, 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 AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W-H/S/K) ASTM A653 GRADE 40/60 (W, K/M, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMF A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN AND FABRICATION. THE BUILDING DESIGNER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMF/TPI 1 SEC. 2.

**Alpine Engineered Products, Inc.**  
1950 Marley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

(2889 - The Wilcox Residence /Concept Construction of N - LAKE CITY, FL - D8 46"8" Stepdown Hip)

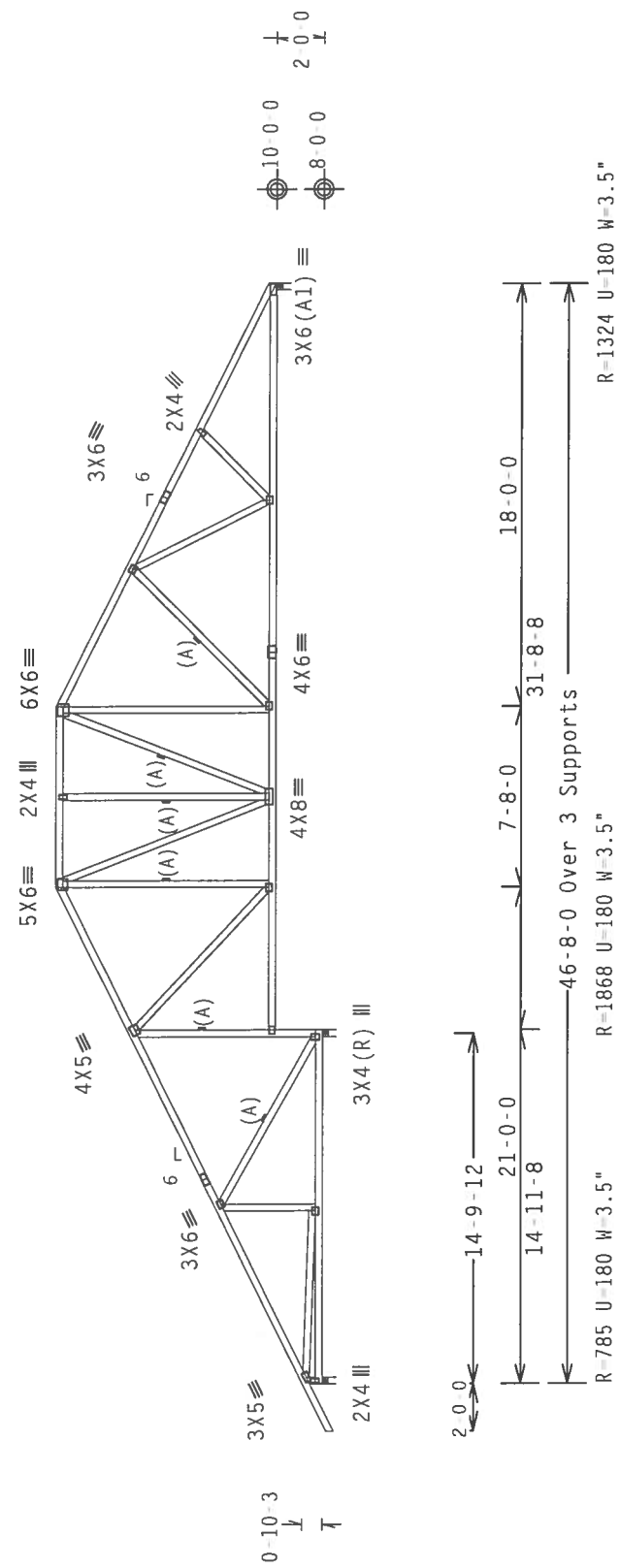
Top chord 2x4 SP #2 N  
Bot chord 2x4 SP #2 N  
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

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



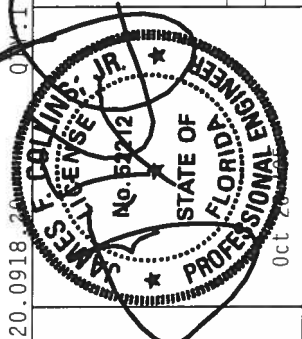
Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

Scale = .125"/Ft.

|          |          |        |          |          |
|----------|----------|--------|----------|----------|
| TC LL    | 20.0 PSF | REF    | R215--   | 78346    |
| TC DL    | 10.0 PSF | DATE   | 10/26/05 |          |
| BC DL    | 10.0 PSF | DRW    | HCUSR215 | 05299028 |
| BC LL    | 0.0 PSF  | HC-ENG | EC/WHK   |          |
| TOT.LD.  | 40.0 PSF | SEQN   | 88691    |          |
| DUR.FAC. | 1.25     |        |          |          |
| SPACING  | 24.0"    | JREF   | 1SRL215  | Z03      |



**ALPINE**

Alpine Engineered Products, Inc.  
1950 Marcy Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS 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 AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/10GGA (W/H/5/K) ASTM A653 GRADE 40/60 (K. K/H/5) GALV. STEEL. APPLY 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 SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE DESIGNER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/10GGA (W/H/5/K) ASTM A653 GRADE 40/60 (K. K/H/5) GALV. STEEL. APPLY 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 SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE DESIGNER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

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

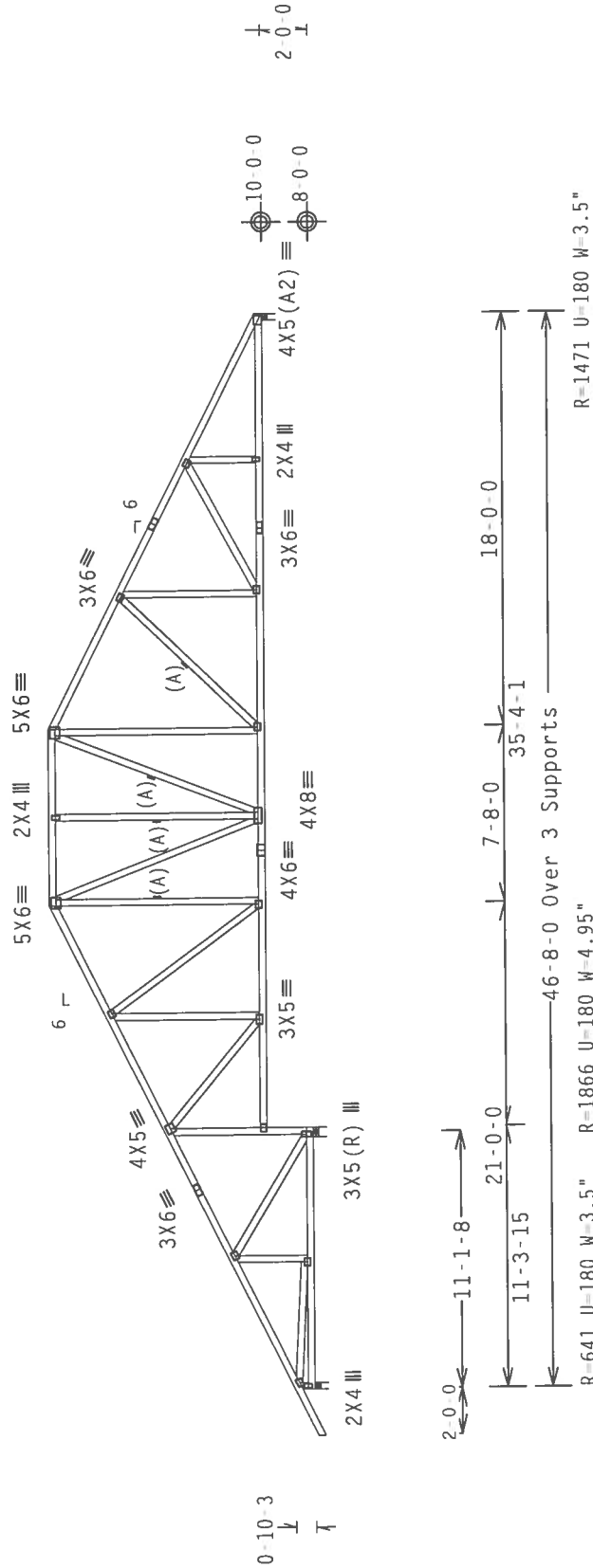
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

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

The overall height of this truss excluding overhang is 11-4-3.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.20.0918

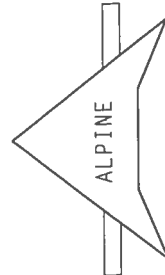
QTY:1

Scale = .125"/Ft.

|          |          |          |
|----------|----------|----------|
| REF      | R215--   | 78347    |
| DATE     | 10/26/05 |          |
| DRW      | HCUSR215 | 05299029 |
| HC-ENG   | EC/WHK   |          |
| SEQN     | 88784    |          |
| TOT.LD.  | 40.0     | PSF      |
| DUR.FAC. | 1.25     |          |
| SPACING  | 24.0"    |          |

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 983 D'AMORE DR., SUITE 200, MADISON, WI 53719) AND MCA (WOOD TRUSS CONNECTIONS, 1000 N. MICHIGAN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING WORK. 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. ALPINE ENGINEERED PRODUCTS, 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 CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (H, K/H, S) 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 TPI 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.



Alpine Engineered Products, Inc.  
1950 Marney Drive  
Haines City, FL 33844

| Top | chord | 2x4 | SP | #2 | N |
|-----|-------|-----|----|----|---|
| Bot | chord | 2x4 | SP | #2 | N |
|     | webs  | 2x4 | SP | #2 | N |

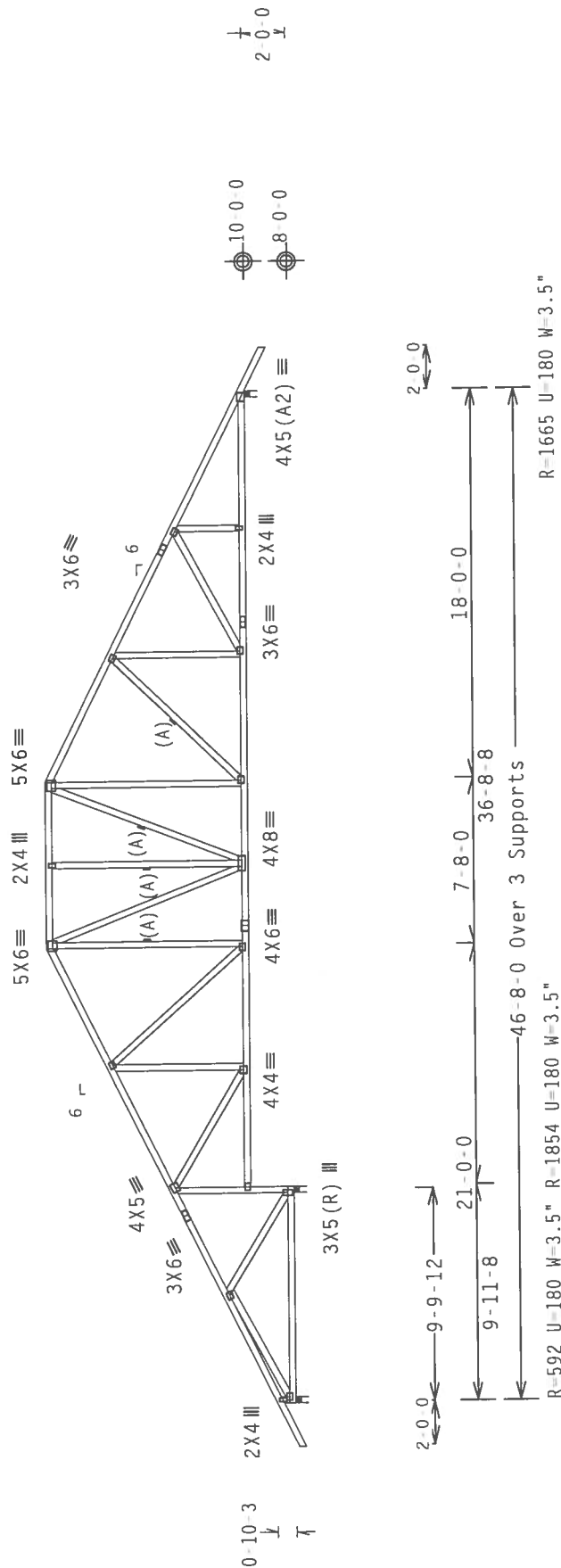
110 mph wind; 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

**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.

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

The overall height of this truss excluding overhang is 11' 4" 3/8.



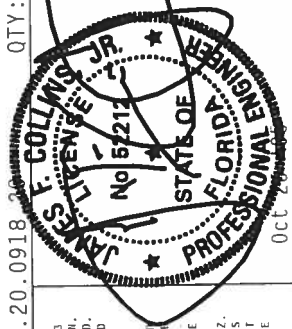
Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

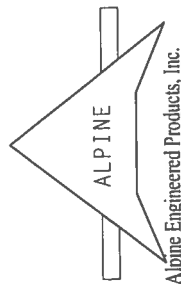
PLT TYP. Wave

QTY: 2    E11-151-1-1R/-    Scale = .125" / Ft.

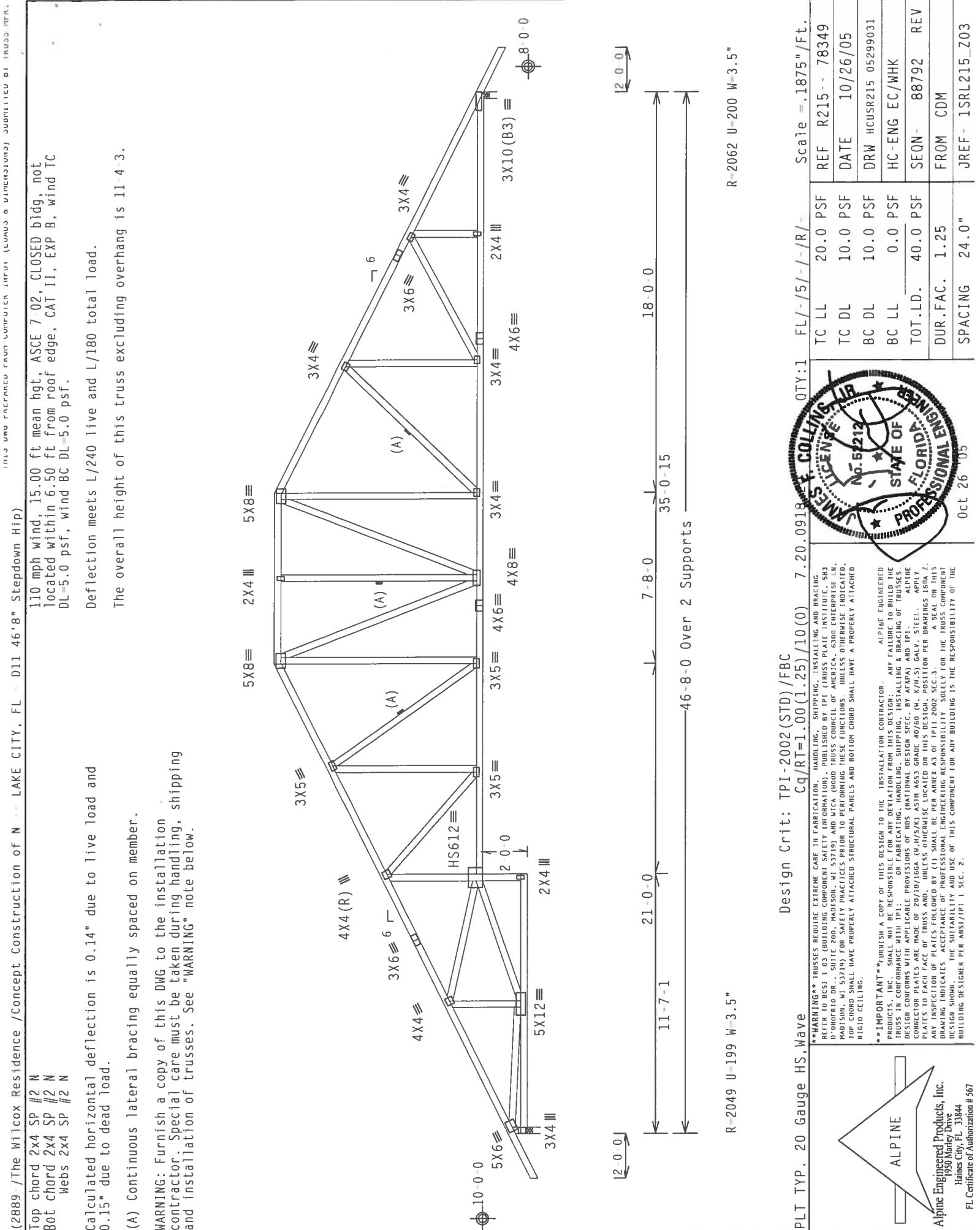
|          |          |                       |
|----------|----------|-----------------------|
| JTC LL   | 20.0 PSF | REF R215-- 78348      |
| JTC DL   | 10.0 PSF | DATE 10/26/05         |
| BC DL    | 10.0 PSF | DRW HCUSR215 05299030 |
| BC LL    | 0.0 PSF  | HC-ENG EC/WHK         |
| TOT.LD.  | 40.0 PSF | SEQN- 88788           |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    | JREF- 1SRL215_Z03     |



**\*\*\* IMPORTANT \*\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN OF THESE TRUSSES. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE PROVISIONS OF THIS NATIONAL DESIGN SPEC., SUPPLYING, INSTALLING AND BRACING OF TRUSSES DESIGN COMPONENTS ARE MADE OF 2007/16GA (W. 0.5125") ASTM A663 40/60 (W. 0.3150") 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 A OF TP11 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 ANNEX A/TP1 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844



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

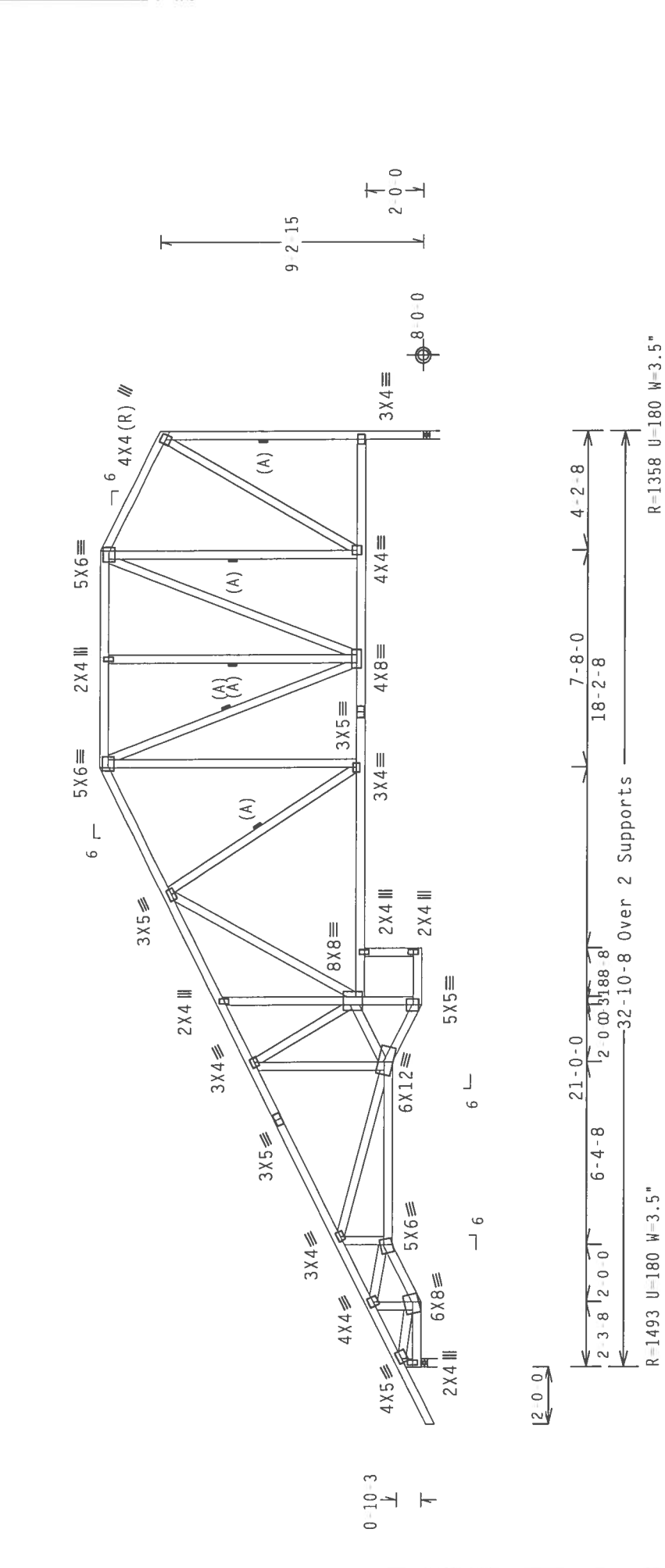
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 11-4-3.

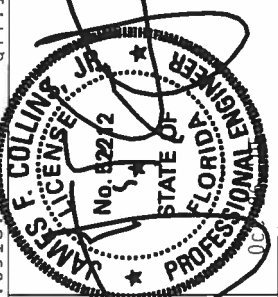
SEE DWGS BCFILLER1103 FOR FILLER DETAILS.  
LATERAL BRACE BOTTOM CHORD ABOVE FILLER @24"OC.  
INCLUDING A LATERAL BRACE AT CHORD ENDS.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.20.0918.20

Scale = .1875"/ft.



James F. Collins, Jr.  
Professional Engineer  
State of Florida  
License No. 82212

|          |          |
|----------|----------|
| 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 R215 - 78350  
DATE 10/26/05  
DRW HCUSR215 05299032  
HC-ENG EC/WHK  
SEQN - 88773 REV  
JREF - 1SRL215\_Z03

| Top | chord | 2x4 | SP | #2 | N |
|-----|-------|-----|----|----|---|
| Bot | chord | 2x4 | SP | #2 | N |
|     | webs  | 2x4 | SP | #2 | N |

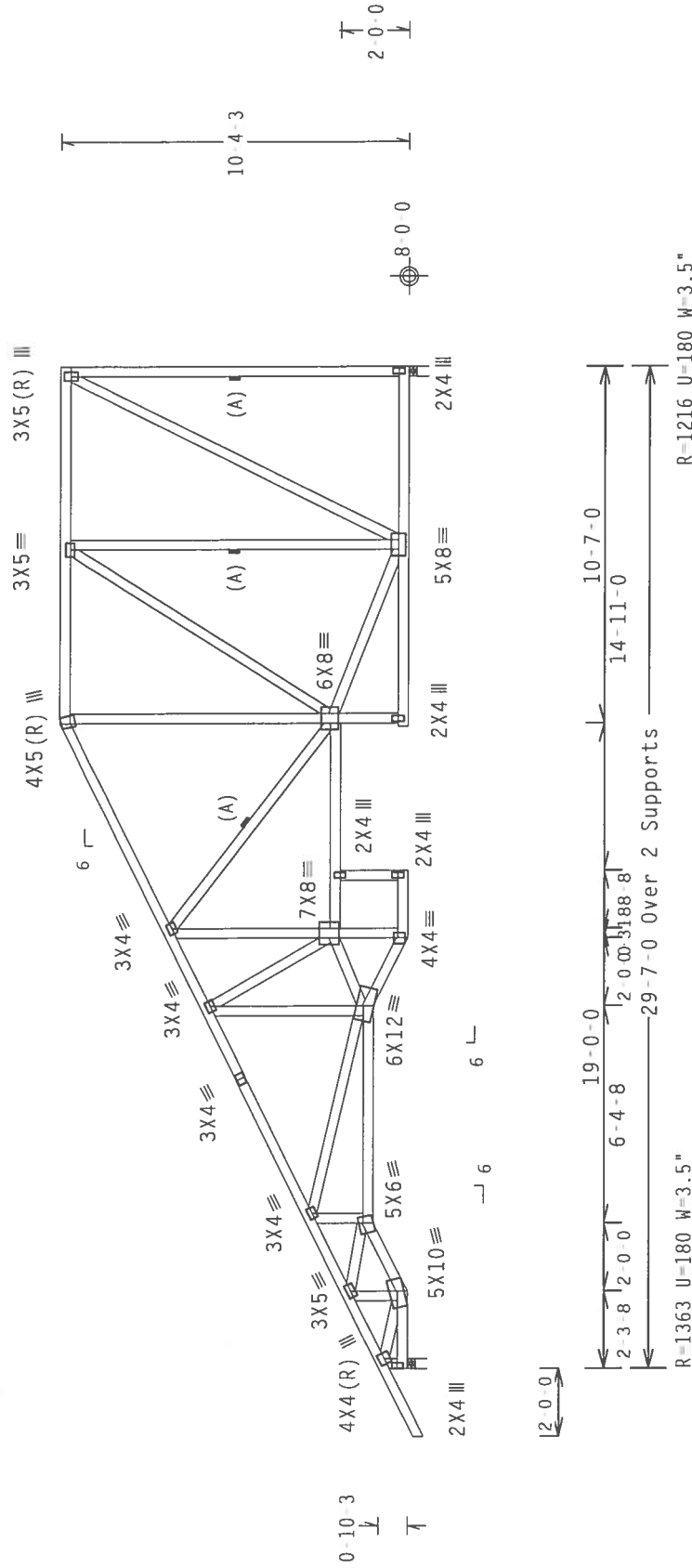
110 mph wind; 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

(A) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 10-4-3.



PLT TYP. Wave

Design Crit:  $\text{TPI} - 2002(\text{STD})/\text{FBC}$ 
$$Cq/RT=1.00(1.25)/10(0) \quad 7.$$
 $5)/10(0) \quad 7.20.0918$ 

QTY:1

FL/-/5/-/-/R/-/

Scale = .1875" / Ft.

**WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING TO PREVENT DAMAGE TO THE TRUSSES. THESE TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES THAN THAT SPECIFIED HEREIN. REFER TO RES-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 1963 D'AMICO DRIVE, SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA - 6300 ERIEVIEW LN., 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.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (RUSS PLATE INSTITUTE, 543 2<sup>ND</sup> AVENUE DR. E., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF (NORTH AMERICAN DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2017/7068 AL 7053 ASM A505 GRADE 40/60 (M, K/1015) GALV. STEEL. IF ANY INSPECTION OF PLATES FOLLOWED BY ANY FABRICATOR, THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN. APPLY DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. RES 1.03 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844

FL Certificate of Authorization # 567

Oct 27 1930

SPACING 24.0"

JREF - 1SRL215 703

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

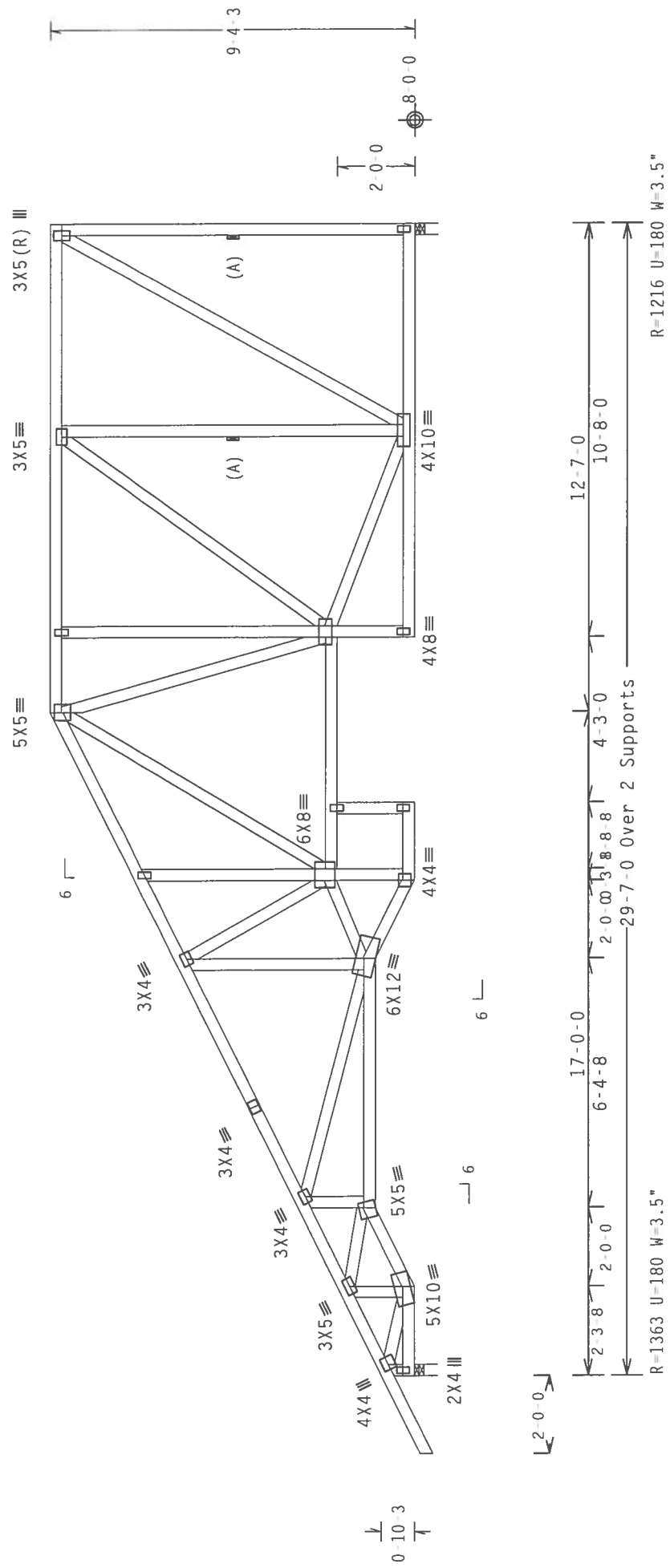
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9'4.3."

SEE DWGS BCFILLER1103 FOR FILLER DETAILS.  
LATERAL BRACE BOTTOM CHORD ABOVE FILLER @24"OC.  
INCLUDING A LATERAL BRACE AT CHORD ENDS.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7-20.0918-20

QTY:1 FL/-/5/-/-/R/- Scale = .25"/Ft.

|                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |         |          |            |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|----------|------------|-------------------|
| <br>Alpine Engineered Products, Inc.<br>1950 Nairney Drive<br>Haines City, FL 33844<br>FL Certificate of Authorization # 567 | <b>**WARNING**</b> TRUSSES REQUIRING EXTERIOR GABLE END FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCES 1.033 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, 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.                                                                                                                                                                                                                                                                                                                                                                             |  | TC LL   | 20.0 PSF | REF R215-- | 78352             |
|                                                                                                                                                                                                                   | <b>**IMPORTANT**</b> FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W-1/2"/K) ASTM A653 GRADE 40/60 (W- K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T04 Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF 1/11/2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SIGNATURE OF THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN AND THE SEALING OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. |  | TC DL   | 10.0 PSF | DATE       | 10/26/05          |
|                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | BC DL   | 10.0 PSF | DRW        | HCUSR215 05299034 |
|                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | BC LL   | 0.0 PSF  | HC-ENG     | EC/WHK            |
|                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | TOT.LD. | 40.0 PSF | SEQN-      | 88733 REV         |
| DUR.FAC. 1.25                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | SPACING | 24.0"    | JREF-      | 1SRL215_Z03       |

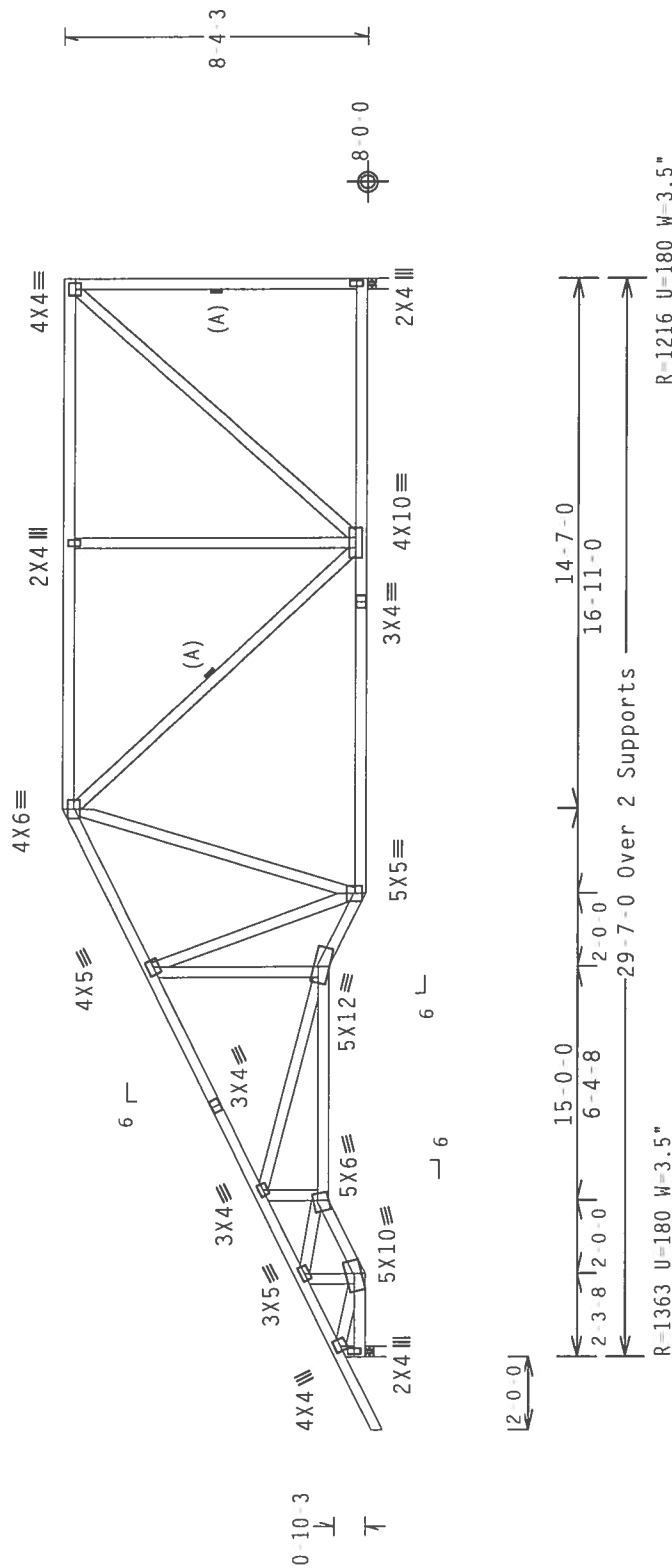
|     |       |     |    |    |   |
|-----|-------|-----|----|----|---|
| Top | chord | 2x4 | SP | #2 | N |
| Bot | chord | 2x4 | SP | #2 | N |
|     | webs  | 2x4 | SP | #2 | N |

1110 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.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8.4.3.



Design Crit: TPI-2002(STD)/FBC

FL/-/5/-/-/R/-/  
Scale = .1875"/Ft.

PIT TYP. Wave

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6340 ENTERPRISE BL., FOND DU LAC, WI 53715) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TRUSSES 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF THE BUILDING CODE. ALL TRUSSES SHALL BE DESIGNED FOR CONNECTION PLATES ARE MADE OF 20/18T/6GA (MILU/MIL) ASTM A663 GRADE 40/66G (MILU) AND TITEL 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 ANSI A3 OF 1911 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.

F. COLLINS JR.

No. 57212

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Seal of F. COLLINS JR., No. 57212, State of Florida, Professional Engineer.

Oct 20 '05

|          |          |        |          |          |
|----------|----------|--------|----------|----------|
| TC LL    | 20.0 PSF | REF    | R215 --  | 78353    |
| TC DL    | 10.0 PSF | DATE   | 10/26/05 |          |
| BC DL    | 10.0 PSF | DRW    | HCSR215  | 05299035 |
| BC LL    | 0.0 PSF  | HC-ENG | EC/WHK   |          |
| TOT.LD.  | 40.0 PSF | SEQN-  | 88730    | REV      |
| DUR.FAC. | 1.25     | JREF-  | 1SR215   | Z03      |
| SPACING  | 24.0"    |        |          |          |

|           |     |    |    |   |
|-----------|-----|----|----|---|
| Top chord | 2x4 | SP | #2 | N |
| Bot chord | 2x4 | SP | #2 | N |
| webs      | 2x4 | SP | #2 | N |

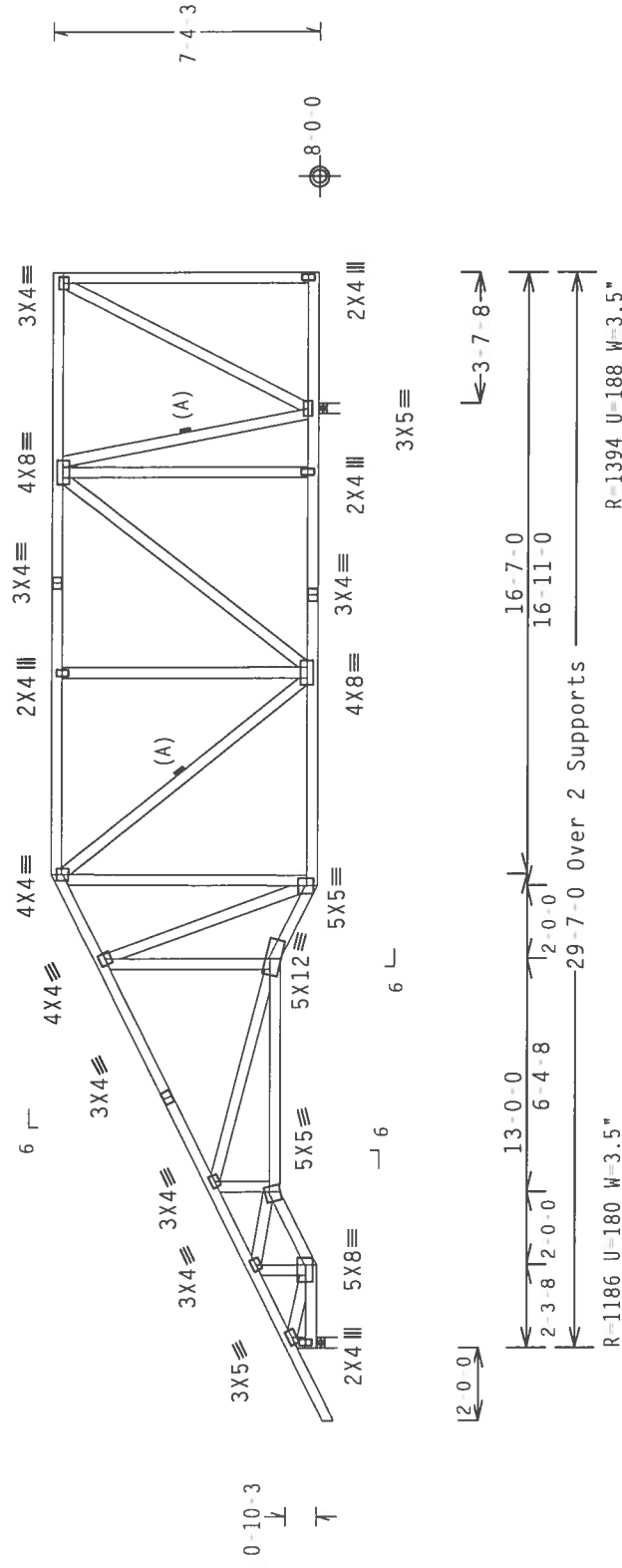
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 7'-4-3/8".



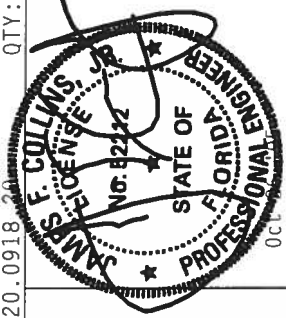
PLT TYP. Wave

Design Crit:  $\text{TPI-2002(STD)/FBC}$ 
$$Ca/RT = 1.00(1.25)/10(0)$$

QTY: 1

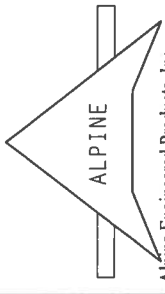
$$\text{Scale} = 1875''/\text{ft}$$

|          |          |                        |
|----------|----------|------------------------|
| TC LL    | 20.0 PSF | REF R215 - 78354       |
| TC DL    | 10.0 PSF | DATE 10/26/05          |
| BC DL    | 10.0 PSF | DRW HCURSR215 05299036 |
| BC LL    | 0.0 PSF  | HC-ENG EC/WHK          |
| TOT.LD.  | 40.0 PSF | SEQN- 88726            |
| DUR.FAC. | 1.25     |                        |
| SPACING  | 24.0"    | JREF- 1SRL215_Z03      |



**\*WARNING\*** PROCESSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING. DO NOT EXCEED THE FOLLOWING COMPRESSIVE STRENGTH INFORMATION. PUBLISHED BY FPI (CROSS PLATE INSTALLATION), 583 S. COBORO RD., 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 PROPERLY ATTACHED LOGGED FEELING.

**\*IMPORTANT\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. RECOMMENDS THAT THE INSTALLATION DESIGNER, ANY FALCON TO BUILD THE TRUSS IN CONFORMANCE WITH THE FABRICATING INSTRUCTIONS, SUPPLY ALL OF THE TRUSS DESIGN COMPONENTS WITH APPLICABLE PREVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TRUSS CONNECTOR PLATES ARE MADE OF 2010/16GA. (W-H/S)CS ASTM A653 GRADE 40/60 (H-K) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF 1711 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 ANS/1711 SEC. 2.



**Alpine Engineered Products, Inc.**  
1950 Marley Drive  
Haines City, FL 33844

FL Certificate of Authorization # 567

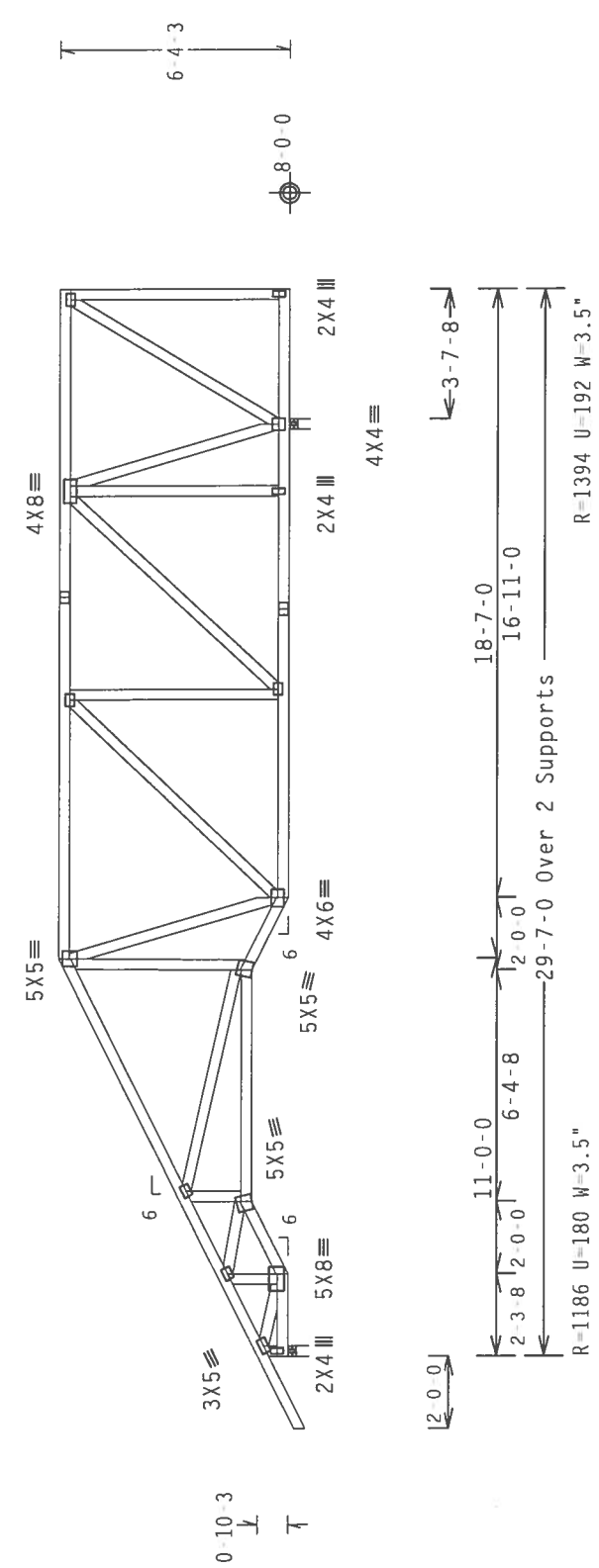
Top chord 2x4 SP #2 N  
Bot chord 2x4 SP #2 N  
Webs 2x4 SP #2 N

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.

Right end vertical not exposed to wind pressure.

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

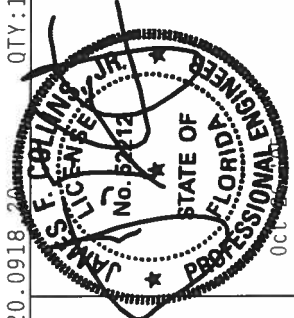
The overall height of this truss excluding overhang is 6-4-3.



Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7-20-0918 20

|               |  |       |               |                       |
|---------------|--|-------|---------------|-----------------------|
| PLT TYP. Wave |  | QTY:1 | FL/-5/-/-/R/- | Scale =.1875"/Ft.     |
| TC LL         |  | 20.0  | PSF           | REF R215-- 78355      |
| TC DL         |  | 10.0  | PSF           | DATE 10/26/05         |
| BC DL         |  | 10.0  | PSF           | DRW HCUSR215 05299037 |
| BC LL         |  | 0.0   | PSF           | HC-ENG EC/WHK         |
| TOT.LD.       |  | 40.0  | PSF           | SEQN- 88722           |
| DUR.FAC.      |  | 1.25  |               |                       |
| SPACING       |  | 24.0" |               | JREF- 1SRL215_Z03     |



**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE, 1000 MADISON DR., SUITE 200, MADISON, WI 53719, AND NCA (NATIONAL COUNCIL OF AMERICA, 6300 ENTERPRISE LN., 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. ALPINE ENGINEERED PRODUCTS, 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 AIA) AND IPT. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W1/5/2K) ASTM A653 GRADE 40/60 (4. K/M-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS DESIGN. THIS DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/IPT 1 SEC. 2.

Alpine Engineered Products, Inc.  
1950 Marley Drive  
Tallahassee, FL 32304  
FL Certificate of Authorization # 567

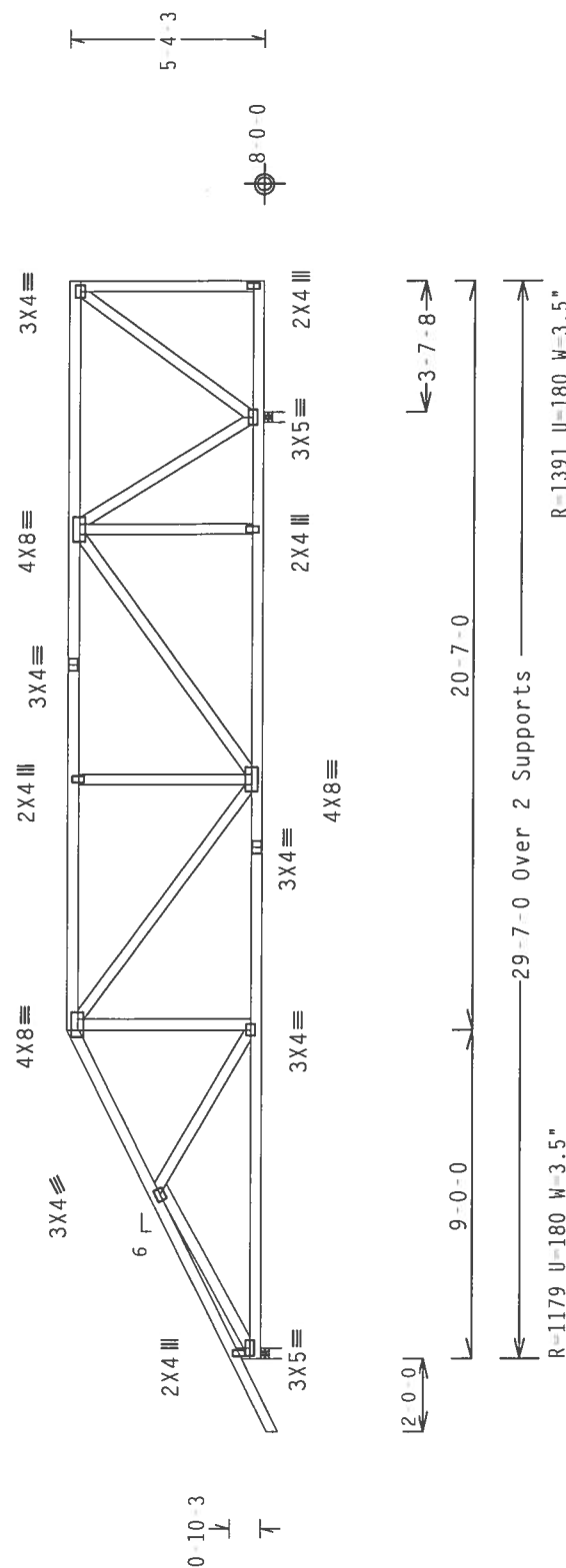
| Top | chord | 2x4 | SP | #2 | N |
|-----|-------|-----|----|----|---|
| Bot | chord | 2x4 | SP | #2 | N |
|     | webs  | 2x4 | SP | #2 | N |

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.

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

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 5-4-3.



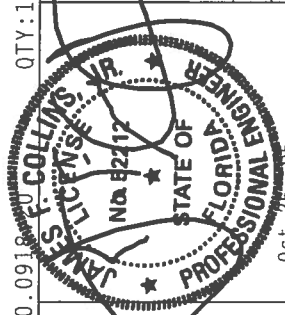
Design Crit: TPI-2002(STD)/FBC

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

QTY:1 FL/-/5/-/-/R/-  
Scale =.1875"/Ft.

PLT TYP. Wave

\*WARNING\* TRUSTEES' BLINDS EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. (SEE INSTRUCTIONS FOR DETAILS) TO BESEI, 200 BUILDING COMPANY, 1150 W. 10TH AVE., SUITE 200, WOODSTOCK, IL 61379-1919. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS, SEE 29 CFR 1910.67. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORD CEILING.

[illegible]

Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

Haines City, FL 33844  
FL Certificate of Authorization # 567

|          |          |                      |
|----------|----------|----------------------|
| TC LL    | 20.0 PSF | REF R215 - 78356     |
| TC DL    | 10.0 PSF | DATE 10/26/05        |
| BC DL    | 10.0 PSF | DRW HCUR215 05299038 |
| BC LL    | 0.0 PSF  | HC-ENG EC/WHK        |
| TOT.LD.  | 40.0 PSF | SEQN- 88718          |
| DUR.FAC. | 1.25     |                      |
| SPACING  | 24.0"    | JREF- 1SRL215 Z03    |

Top chord 2x6 SP #2 N : T1 2x4 SP #2 N :  
Bot chord 2x6 SP #2 N :  
Webs 2x4 SP #2 N :  
: Lt Slider 2x4 SP #2 N : BLOCK LENGTH = 1.985'

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.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert. Deflection meets L/240 live and L/180 total load.

Right end vertical not exposed to wind pressure. The overall height of this truss excluding overhang is 4-4-3.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", 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.



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

PLT TYP. Wave

Scale = .1875" / Ft.

QTY: 1

REF R215 - 78357

DATE 10/26/05

DRW HCUSR215 05299039

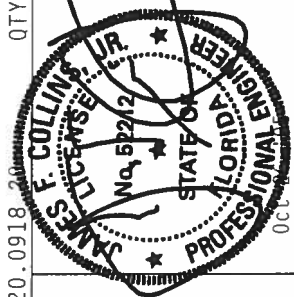
HC-ENG EC/WHK

SEQN - 88711

DUR.FAC. 1.25

SPACING 24.0"

JREF - 1SR L215\_Z03



ALPINE  
Alpine Engineered Products, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 567

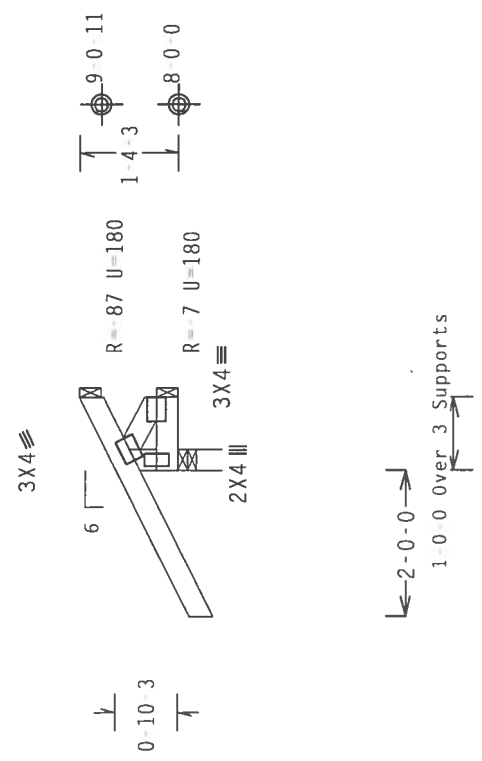
(2889 /The Wilcox Residence /Concept Construction of N -- LAKE CITY, FL -- J1 1' Jack)

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

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.

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

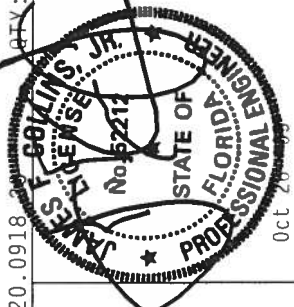
The overall height of this truss excluding overhang is 14'-3".



R=310 U=180 W=3.5"

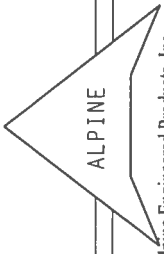
Design Crit: TPI-2002(STD)/FBC

|                       |                     |
|-----------------------|---------------------|
| PLT TYP. Wave         | Scale = .375" / Ft. |
| REF R215 -- 78358     | TC LL 20.0 PSF      |
| DATE 10/26/05         | TC DL 10.0 PSF      |
| DRW HCUSR215 05299040 | BC DL 10.0 PSF      |
| HC-ENG EC/WHK         | BC LL 0.0 PSF       |
| SEQN- 88685           | TOT.LD. 40.0 PSF    |
|                       | DUR.FAC. 1.25       |
| JREF- 1SRL215_Z03     | SPACING 24.0"       |



**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFERENCE TO THE TPI (TRUSS PLATING INSTITUTE) 903 D'CONCORD DR., SUITE 200, MADISON, MI 48215, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) 537 J.P. 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASIM A653 GRADE 40/60 (IN. K/H-S) GALV. STEEL. APPLY 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 DESIGN INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SEAL USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



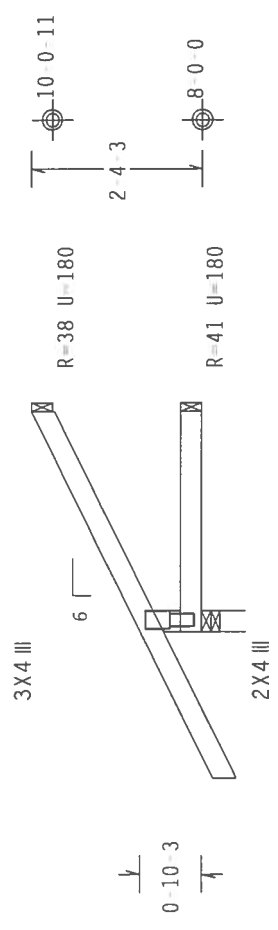
ALPINE

Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

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

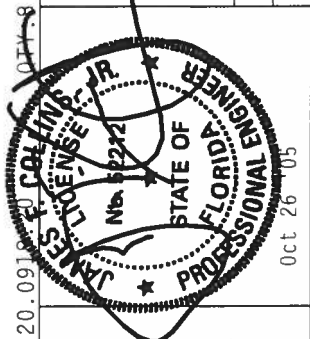
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



3-0-0 Over 3 Supports  
R 302 U=180 W=3.5"

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



**\*\*WARNING\*\*** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002(STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI-2002(STD)/FBC. 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002(STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI-2002(STD)/FBC. CONNECTOR PLATES ARE MADE OF 2018/166A (W.H/5/16) ASTM A653 GRADE 40/60 (N. K/H/5) GALV. STEEL. APPLY 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 ANNEK A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SEALING OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/1/1 SEC. 2.

**Alpine Engineered Products, Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 567

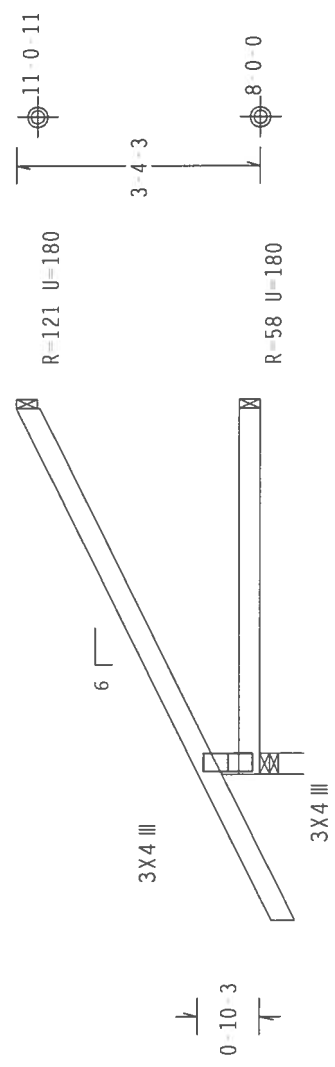
|               |                     |
|---------------|---------------------|
| PLT TYP. Wave | Scale = .375" / Ft. |
| TC LL         | 20.0 PSF            |
| TC DL         | 10.0 PSF            |
| BC DL         | 10.0 PSF            |
| BC LL         | 0.0 PSF             |
| TOT.LD.       | 40.0 PSF            |
| DUR.FAC.      | 1.25                |
| SPACING       | 24.0"               |
| REF           | R215-- 78359        |
| DATE          | 10/26/05            |
| DRW           | HCUSR215 05299041   |
| HC-ENG        | EC/WHK              |
| SEQN-         | 88684 REV           |
| JREF-         | 1SRL215_Z03         |

(2889-/The Wilcox Residence /Concept Construction of N -- LAKE CITY, FL - J5 5' Jack)

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

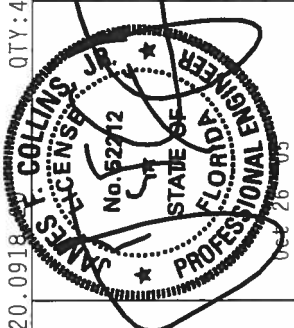
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

|               |             |                            |                     |
|---------------|-------------|----------------------------|---------------------|
| PLT TYP. Wave | QTY: 4      | FL / - / 5 / - / - / R / - | Scale = .375" / Ft. |
| REF           | R215 - -    | 78360                      |                     |
| DATE          | 10/26/05    |                            |                     |
| DRW           | HCUSR215    | 05299042                   |                     |
| HC-ENG        | EC/WHK      |                            |                     |
| SEQN          | 88695       | REV                        |                     |
| DUR.FAC.      | 1.25        |                            |                     |
| SPACING       | 24.0"       |                            |                     |
| JREF          | 1SRL215_203 |                            |                     |



**WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE TPI-2002(STD) DESIGN CRITERIA. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE TPI-2002(STD) DESIGN CRITERIA. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE TPI-2002(STD) DESIGN CRITERIA.

**IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI-1. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/S) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE DESIGNER'S ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

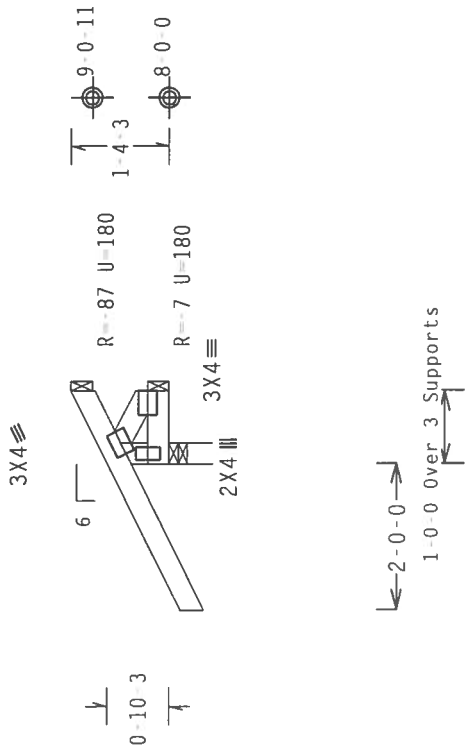
Alpine Engineered Products, Inc.  
1950 Manley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

|     |       |     |    |    |   |
|-----|-------|-----|----|----|---|
| Top | chord | 2x4 | SP | #2 | N |
| Bot | chord | 2x4 | SP | #2 | N |
|     | webs  | 2x4 | SP | #2 | N |

110 mph wind, 15.00 ft mean *h<sub>o</sub>*, 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.

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

The overall height of this truss excluding overhang is 14.3.

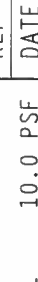


R=310 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

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

Scale = .375"/Ft.



**ALPINE**  
**Engineered Products, Inc.**  
 1950 Marley Drive  
 Gaines City, FL 33844

FL Certificate of Authorization # 567

---

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (TRUSS PLATE INSTITUTE, 583 O'DORIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE I.R., 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.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH IPT: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND IPT. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-1/5/5) ASTM A653 GRADE 40/60 (N, K/JI-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF IPT1-2002 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/IPT1 1 SEC. 2.



Oct 26 '05

---

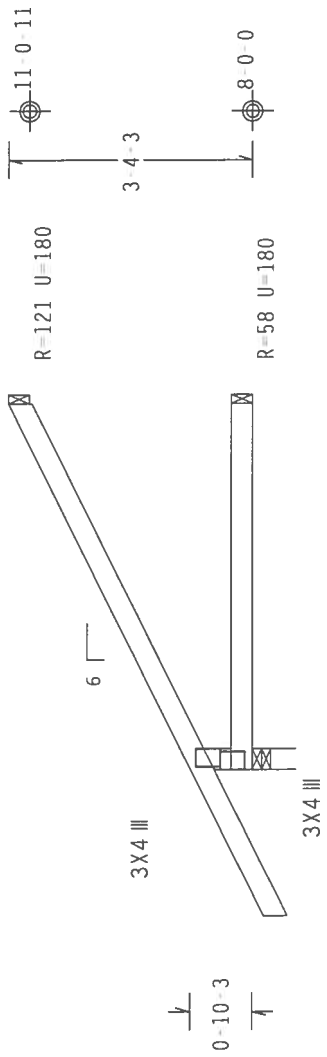
|          |       |     |        |          |          |
|----------|-------|-----|--------|----------|----------|
| TC LL    | 20.0  | PSF | REF    | R215--   | 78361    |
| TC DL    | 10.0  | PSF | DATE   | 10/26/05 |          |
| BC DL    | 10.0  | PSF | DRW    | HCUSR215 | 05299043 |
| BC LL    | 0.0   | PSF | HC-ENG | EC/WHK   |          |
| TOT.LD.  | 40.0  | PSF | SEQN-  | 88676    |          |
| DUR.FAC. | 1.25  |     |        |          |          |
| SPACING  | 24.0" |     |        |          |          |
|          |       |     | JREF-  | 1SRL215  | Z03      |

(2889 - The Wilcox Residence /Concept Construction of N - LAKE CITY, FL - JE5 5' End Jack)

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

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.

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



PLT TYP. Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)  
Scale = .375"/Ft.

Alpine Engineered Products, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 567

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TO BEST 1.00 BUILDING INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 OCHOWSKI RD, WILKINSON, NC 27689. (919) 537-1919. 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. ALPINE ENGINEERED PRODUCTS, 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 AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H/5/P) ASTM A653 GRADE 40/60 (W, H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT 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.

PLT TYP. Wave

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

Scale = .375"/Ft.

|          |          |          |
|----------|----------|----------|
| REF      | R215--   | 78362    |
| DATE     | 10/26/05 |          |
| DRW      | HCUSR215 | 05299044 |
| HC-ENG   | EC/WHK   |          |
| SEQN     | 88686    | REV      |
| DUR.FAC. | 1.25     |          |
| SPACING  | 24.0"    |          |

JR F. COLLINS  
No. 61212  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
00000000

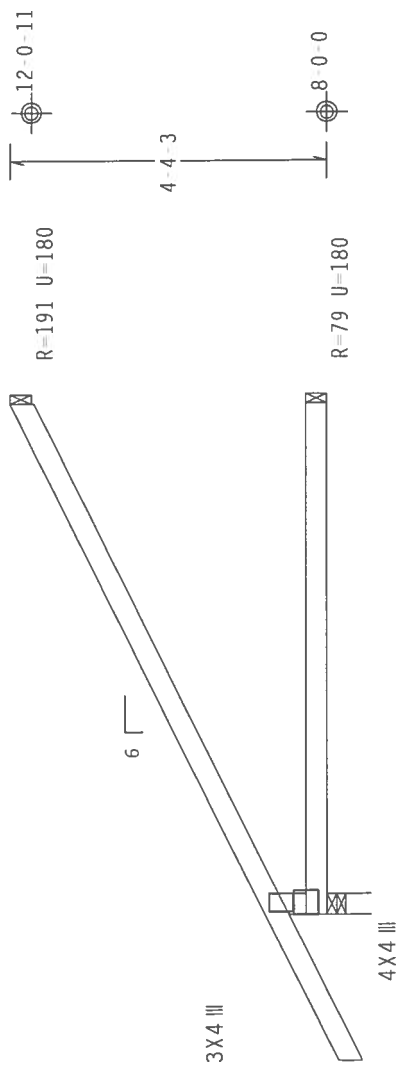
00000000

(2889 - /The Wilcox Residence /Concept Construction of N - LAKE CITY, FL - JE7 7' End Jack)

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

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.

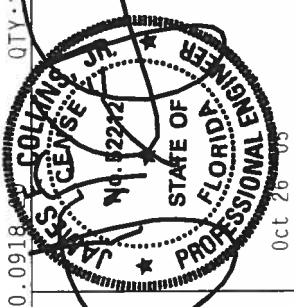
Deflection meets L/240 live and L/180 total load.



7-0-0 Over 3 Supports  
R=441 U=180 W=3.5"

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

|          |       |     |   |   |   |   |   |   |   |                       |
|----------|-------|-----|---|---|---|---|---|---|---|-----------------------|
| QTY      | 31    | FL  | / | 5 | / | - | / | R | / | Scale = .375"/Ft.     |
| TC LL    | 20.0  | PSF |   |   |   |   |   |   |   | REF R215-- 78363      |
| TC DL    | 10.0  | PSF |   |   |   |   |   |   |   | DATE 10/26/05         |
| BC DL    | 10.0  | PSF |   |   |   |   |   |   |   | DRW HCUSR215 05299045 |
| BC LL    | 0.0   | PSF |   |   |   |   |   |   |   | HC-ENG EC/WHK         |
| TOT.LD.  | 40.0  | PSF |   |   |   |   |   |   |   | SEON- 88696 REV       |
| DUR.FAC. | 1.25  |     |   |   |   |   |   |   |   |                       |
| SPACING  | 24.0" |     |   |   |   |   |   |   |   | JREF- 1SRL215_Z03     |



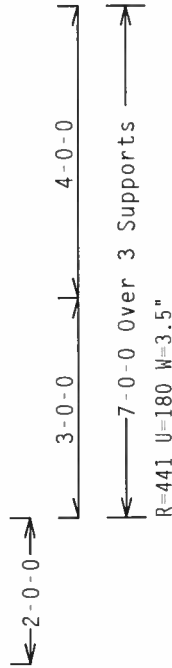
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 503 MAISON BLVD, SUITE 100, FARMINGTON, CT 06030, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE 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. ALPINE ENGINEERED PRODUCTS, 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 AITPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-11/5/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY 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.

Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567



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.


$$\text{PI-2002(STD)}/\text{FBC}$$

$$\text{Ca}/\text{RT}=1.00(1.25)/10(0) \quad 7.2$$

Scale = .375"/Ft.

|           |          |               |             |
|-----------|----------|---------------|-------------|
| BC LL     | 0.0 PSF  | HC-ENG EC/WHK | *           |
| TOT.LD.   | 40.0 PSF | SEQN-         | 88697       |
| DDUR.FAC. | 1.25     |               |             |
| SPACING   | 24.0"    | JPFF-         | 1SR1217-703 |



Haines City, FL 33844





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

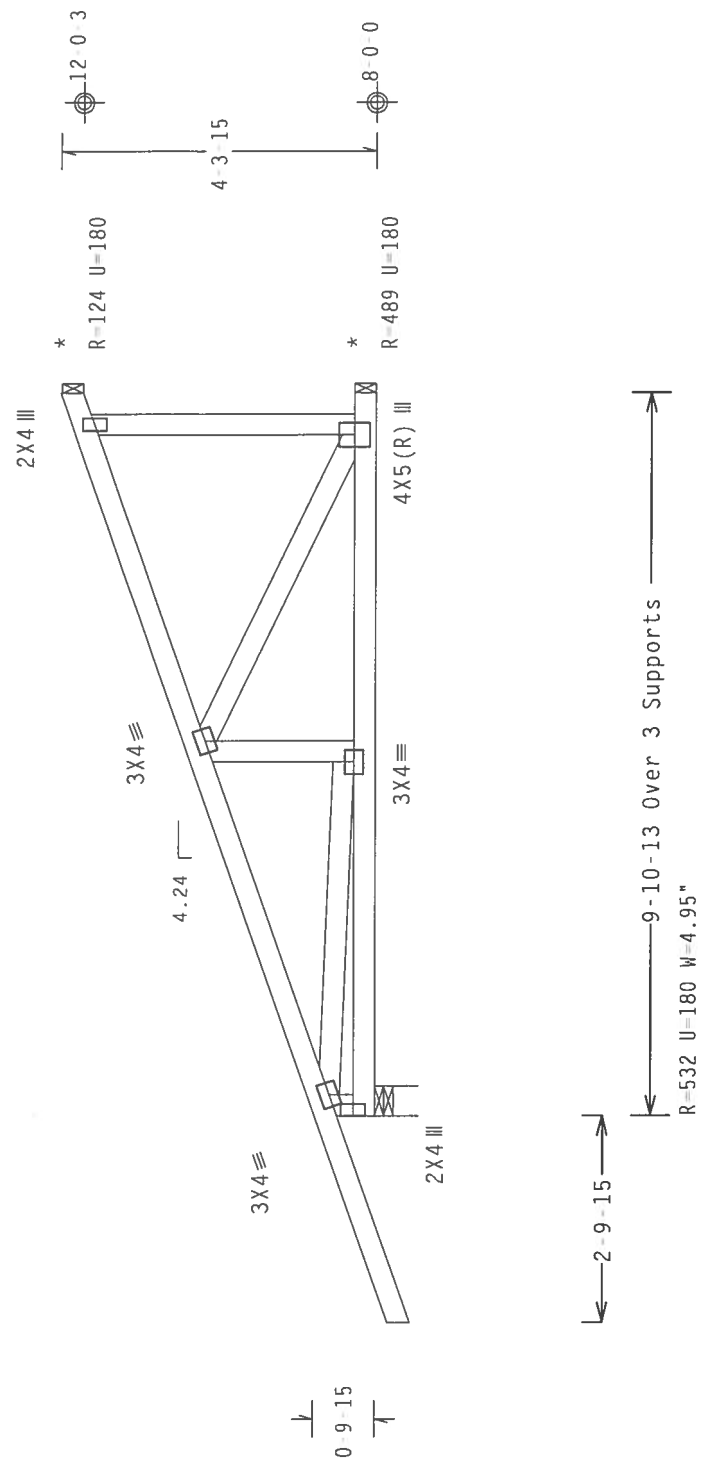
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

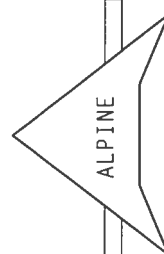
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4'-3"-15."

\* Toenail allowed based on average reaction.



PLT TYP. Wave



Alpine Engineered Products, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 567

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.20.0918.20

Scale = .375"/Ft.

|          |          |        |          |          |
|----------|----------|--------|----------|----------|
| TC LL    | 20.0 PSF | REF    | R215--   | 78368    |
| TC DL    | 10.0 PSF | DATE   | 10/26/05 |          |
| BC DL    | 10.0 PSF | DRW    | HCUSR215 | 05299048 |
| BC LL    | 0.0 PSF  | HC-ENG | EC/WHK   |          |
| TOT.LD.  | 40.0 PSF | SEQN-  | 88704    | REV      |
| DUR.FAC. | 1.25     |        |          |          |
| SPACING  | 24.0"    | JREF-  | 1SRL215  | Z03      |

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 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 AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 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. 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 FABRICATED BY ALPINE. USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 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. 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 FABRICATED BY ALPINE. USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
No. 88212  
J. COLLINS JR.  
OCT 2005



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

110 mph wind, 19.86 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=1.2 psf.

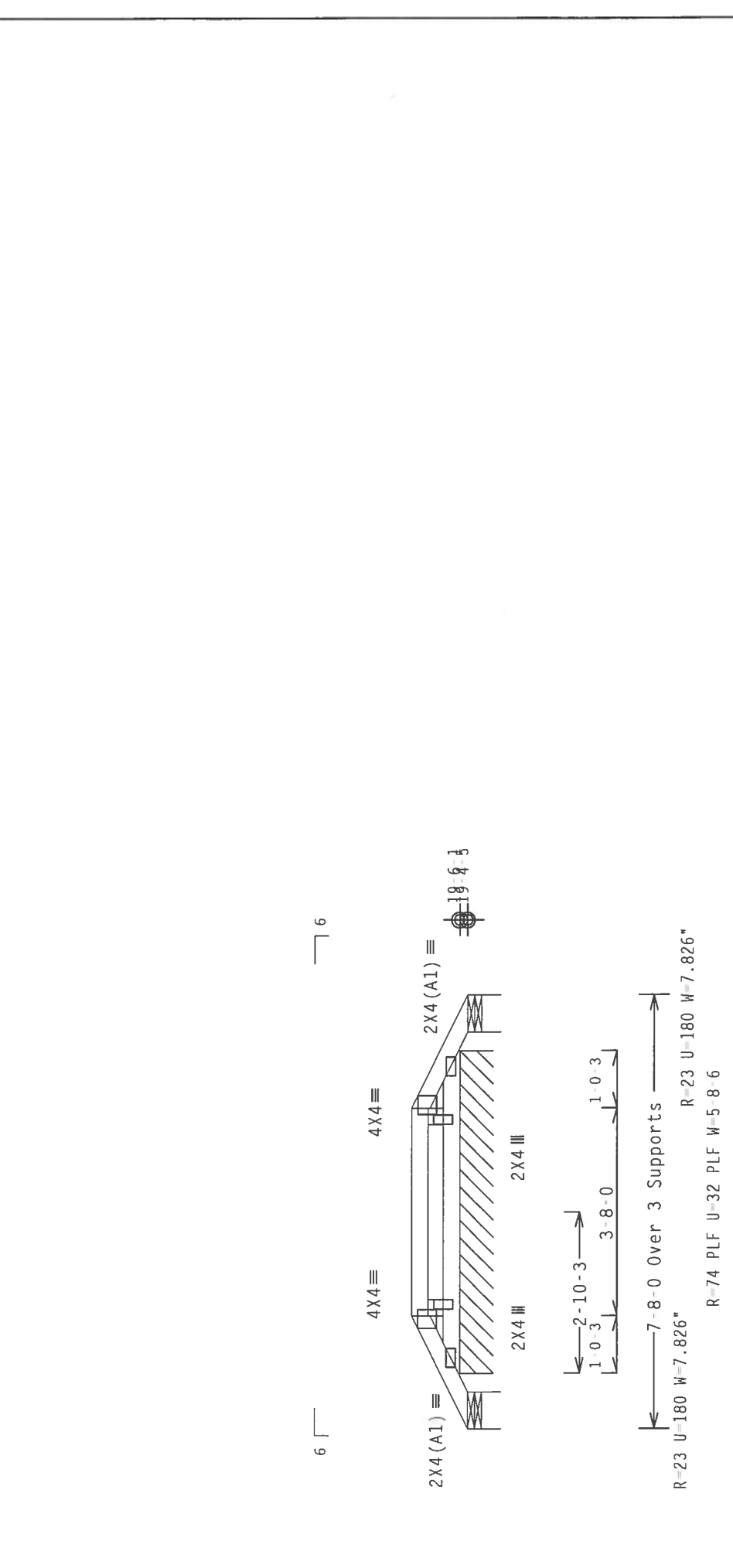
The overall height of this truss excluding overhang is 1-0-0.

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

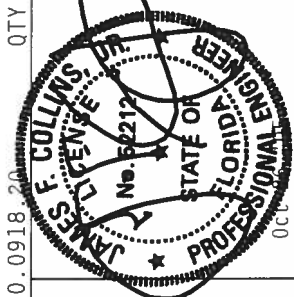
Deflection meets L/240 live and L/180 total load.

REFER TO DRAWING PIGGYBACK0204 FOR PIGGYBACK DETAILS.

TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.



|               |                                                                       |          |             |                      |
|---------------|-----------------------------------------------------------------------|----------|-------------|----------------------|
| PLT TYP. Wave | Design Crit: TPI-2002(STD)/FBC<br>Cq/RT=1.00(1.25)/10(0) 7.20.0918.20 | QTY:2    | FL/-5/-/R/- | Scale =.375"/Ft.     |
|               |                                                                       | TC LL    | 20.0 PSF    | REF R215-- 78370     |
|               |                                                                       | TC DL    | 10.0 PSF    | DATE 10/26/05        |
|               |                                                                       | BC DL    | 2.0 PSF     | DRW HCUR215 05299050 |
|               |                                                                       | BC LL    | 0.0 PSF     | HC-ENG EC/WHK        |
|               |                                                                       | TOT.LD.  | 32.0 PSF    | SEQN- 88777 REV      |
|               |                                                                       | DUR.FAC. | 1.25        |                      |
|               |                                                                       | SPACING  | 24.0"       | JREF- 1SRL215-Z03    |



**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RECOMMENDED PRACTICES FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND MECA (WOOD TRUSS COUNCIL OF AMERICA - 6300 ENTERPRISE RD., 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. ALPINE ENGINEERED PRODUCTS, 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 BDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4-11/16) ASTM A653 GRADE 40/60 (4-11/16) 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 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 13.1. ANY INSPECTION OF PLATES FOLLOWED BY (2) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 13.1. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THIS DESIGN IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND IS NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF ALPINE ENGINEERED PRODUCTS, INC. THIS COMPONENT OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE  
Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
FL Certificate of Authorization # 567

|           |               |
|-----------|---------------|
| REF       | CLB SUBST.    |
| DATE      | 11/26/03      |
| DRWG      | BRCCLBSUB1103 |
| -ENG      | MLH/KAR       |
| TOT. LD.  | PSF           |
| DUR. FAC. |               |
| SPACING   |               |