

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
App. Ctr. of P#1	108.4	112.0	96.1	8.0	12.5
App. Ctr. of N.W. Corner of P#1	107.1		95.2	7.0	
App. Ctr. of S.E. Corner of P#1	107.6		95.6	8.0	

REMARKS:

NOTE: The below tests DO/DO NOT meet the minimum _____ % compaction requirements of maximum density.

DATE TESTED: 9/26/16

COURSE: _____

AREA TESTED: hill & prop Bldg. Pav

PROJECT: Johnson #33

CLIENT: Mr. & Mrs. B. L. B. (Akers, Fl.)

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

Consultants in: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing

UNIVERSAL
ENGINEERING SCIENCES

REPORT ON IN-PLACE DENSITY TESTS

Leamit # 000023926

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR

FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS
ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

- WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.
1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE 100 MPH
 2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE 110 MPH
 3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL
GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

- Applicant ☒ Plans Examiner ☒
- All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
- Site Plan including:
a) Dimensions of lot
b) Dimensions of building set backs
c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.
- Wind-load Engineering Summary, calculations and any details required
a) Plans or specifications must state compliance with FBC Section 1606
b) The following information must be shown as per section 1606.1.7 FBC
a. Basic wind speed (MPH)
b. Wind importance factor (I) and building category
c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
d. The applicable internal pressure coefficient
e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional

Elevations including:

- a) All sides
b) Roof pitch
c) Overhang dimensions and detail with attic ventilation
d) Location, size and height above roof of chimneys
e) Location and size of skylights
f) Building height
g) Number of stories

sec NOT 22

EXISTING
WATER
WELL

112M
6015172

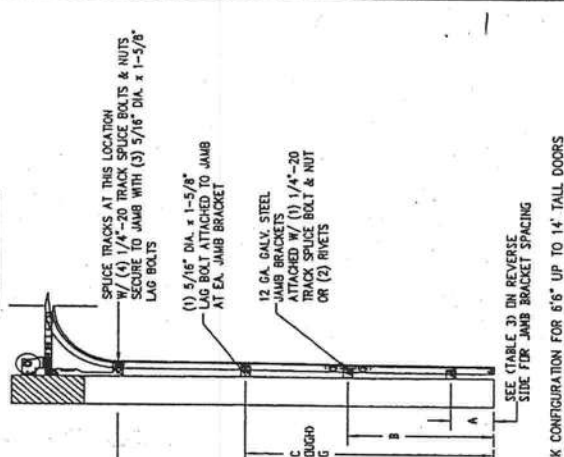
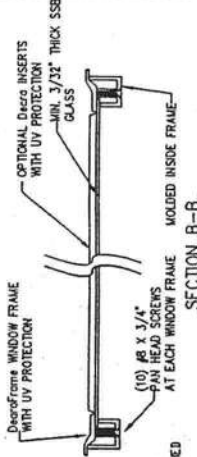
Item	Yes	No	Not Applicable
1. All materials making up wall	☐	☐	☐
2. Size and species of studs	☐	☐	☐
3. Sheathing size, type and nailing schedule	☐	☐	☐
4. Headers sized	☐	☐	☐
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail	☐	☐	☐
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)	☐	☐	☐
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	☐	☐	☐
8. Fire resistant construction (if applicable)	☐	☐	☐
9. Fireproofing requirements	☐	☐	☐
10. Show type of termite treatment (termicide or alternative method)	☐	☐	☐
11. Slab on grade	☐	☐	☐
a. Vapor retardant (5Mil. Polyethylene with joints lapped 6 inches and sealed	☐	☐	☐
b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports	☐	☐	☐
12. Indicate where pressure treated wood will be placed	☐	☐	☐
13. Provide insulation R value for the following:	☐	☐	☐
a. Attic space	☐	☐	☐
b. Exterior wall cavity	☐	☐	☐
c. Crawl space (if applicable)	☐	☐	☐
c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)	☐	☐	☐
Floor Framing System:	☐	☐	☐
a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer	☐	☐	☐
b) Floor joist size and spacing	☐	☐	☐
c) Girder size and spacing	☐	☐	☐
d) Attachment of joist to girder	☐	☐	☐
e) Wind load requirements where applicable	☐	☐	☐
Plumbing Fixture layout	☐	☐	☐
Electrical layout including:	☐	☐	☐
a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified	☐	☐	☐
b) Ceiling fans	☐	☐	☐
c) Smoke detectors	☐	☐	☐
d) Service panel and sub-panel size and location(s)	☐	☐	☐
e) Meter location with type of service entrance (overhead or underground)	☐	☐	☐
f) Appliances and HVAC equipment	☐	☐	☐
g) Arc Fault Circuits (AFCI) in bedrooms	☐	☐	☐
HVAC Information	☐	☐	☐
a) Manual J sizing equipment or equivalent computation	☐	☐	☐
b) Exhaust fans in bathroom	☐	☐	☐
Energy Calculations (dimensions shall match plans)	☐	☐	☐
Gas System Type (LP or Natural) Location and BTU demand of equipment	☐	☐	☐
Disclosure Statement for Owner Builders	☐	☐	☐
***Notice Of Commencement Required Before Any Inspections Will Be Done	☐	☐	☐

Floor Plan including:	☐	☒	
a) Rooms labeled and dimensioned	☐	☒	
b) Shear walls	☐	☒	
c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)	☐	☒	
d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth	☐	☒	
e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails	☐	☒	
f) Must show and identify accessibility requirements (accessible bathroom)	☐	☒	
Foundation Plan including:	☐	☒	
a) Location of all load-bearing wall with required footings indicated as standard	☐	☒	
Or monolithic and dimensions and reinforcing	☐	☒	
b) All posts and/or column footing including size and reinforcing	☐	☒	
c) Any special support required by soil analysis such as piling	☐	☒	
d) Location of any vertical steel	☐	☒	
Roof System:	☐	☒	
a) Truss package including:	☐	☒	
1. Truss layout and truss details signed and sealed by P.E. Eng.	☐	☒	
2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	☒	☒	
b) Conventional Framing Layout including:	☒	☒	
1. Rafter size, species and spacing	☐	☒	
2. Attachment to wall and uplift	☐	☒	
3. Ridge beam sized and valley framing and support details	☐	☒	
4. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	☐	☒	
Wall Sections including:	☐	☒	
a) Masonry wall	☐	☒	
1. All materials making up wall	☐	☒	
2. Block size and mortar type with size and spacing of reinforcement	☐	☒	
3. Lintel, tie-beam sizes and reinforcement	☐	☒	
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details	☐	☒	
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation	☐	☒	
6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)	☐	☒	
7. Fire resistant construction (if required)	☐	☒	
8. Fireproofing requirements	☐	☒	
9. Shoe type of termite treatment (termicide or alternative method)	☐	☒	
10. Slab on grade	☐	☒	
a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)	☐	☒	
b. Must show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and supports	☐	☒	
11. Indicate where pressure treated wood will be placed	☐	☒	
12. Provide insulation R value for the following:	☐	☒	
a. Attic space	☐	☒	
b. Exterior wall cavity	☐	☒	
c. Crawl space (if applicable)	☐	☒	

4
note

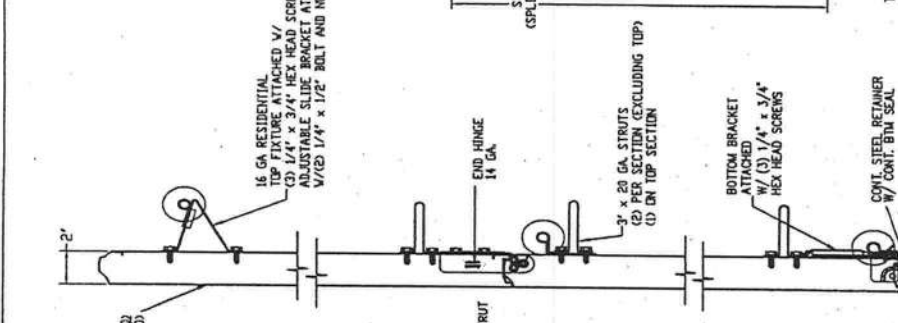
GLAZING OPTION CROSS SECTION

TEST No. IRC-6006-189-15 ON OCTOBER 10, 2002 INCLUDED GLAZING IN THE
DOOR. TEST PRESSURES WERE +67.9 PSF AND -80.3 PSF. BY
COMPARISON UP TO EIGHT (8) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION
OF EITHER THE MODEL 600 OR 850 DOORS CONSTRUCTED PER THIS DRAWING.



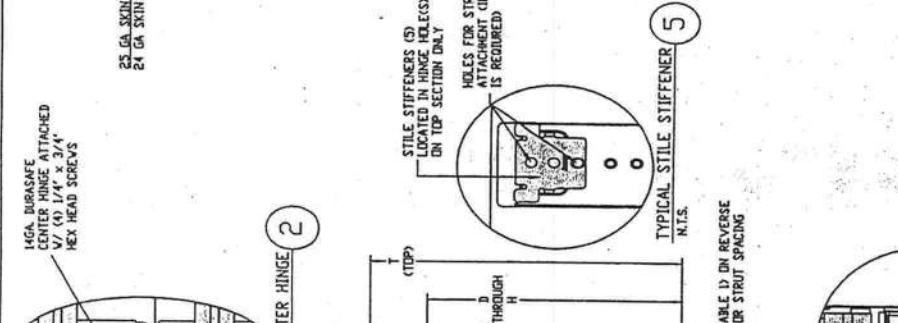
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE	16 x 14		
DESIGN LOADS	+21.8 PSF -24.8 PSF		
TEST LOADS	+32.7 PSF -37.2 PSF		

Amarr CORPORATION		165 CARRIAGE CORY VINTON-SALEN, NC. 27055	
MODEL #600 STRATFORD w/DuraSafe		MODEL #950 HERITAGE w/DuraSafe	
Short Panel, Long Panel, and Flush Panel		Short Panel, Long Panel, and Flush Panel	
SIZE	16'0" x 14'0"	DATE	04/15/00
DESIGNED BY	THOMAS L. SHAWSON P.E. No. 008520	CHECKED BY	DATE 04/15/00
DRAWING NUMBER	IRC-6016-120-15	SHEET	1 OF 1



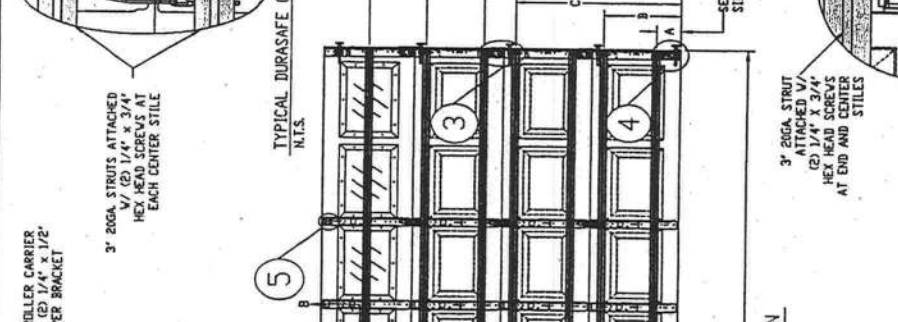
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE	16 x 14		
DESIGN LOADS	+21.8 PSF -24.8 PSF		
TEST LOADS	+32.7 PSF -37.2 PSF		

Amarr CORPORATION		165 CARRIAGE CORY VINTON-SALEN, NC. 27055	
MODEL #600 STRATFORD w/DuraSafe		MODEL #950 HERITAGE w/DuraSafe	
Short Panel, Long Panel, and Flush Panel		Short Panel, Long Panel, and Flush Panel	
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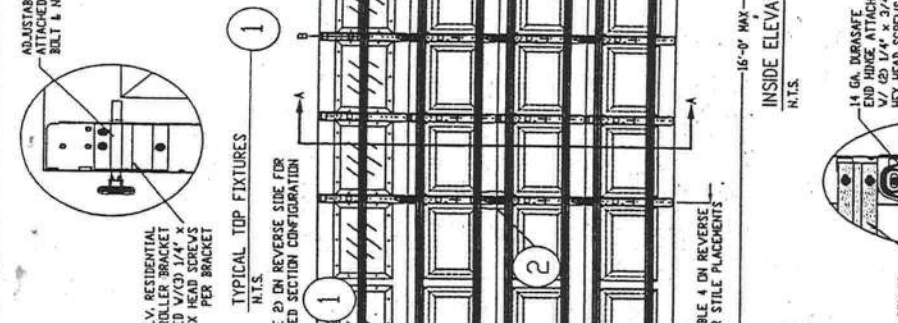
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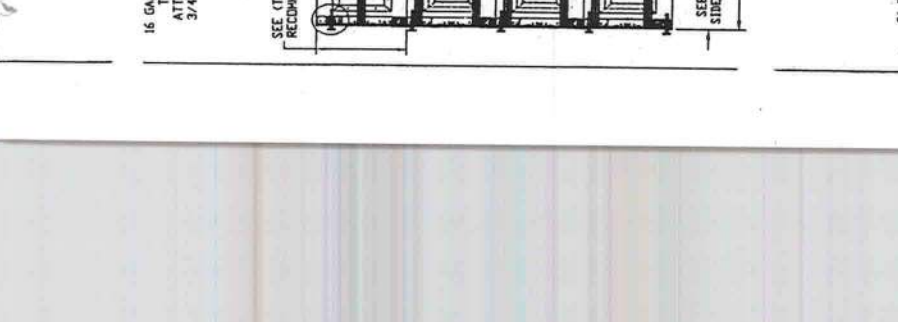
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE	16 x 14		
DESIGN LOADS	+21.8 PSF -24.8 PSF		
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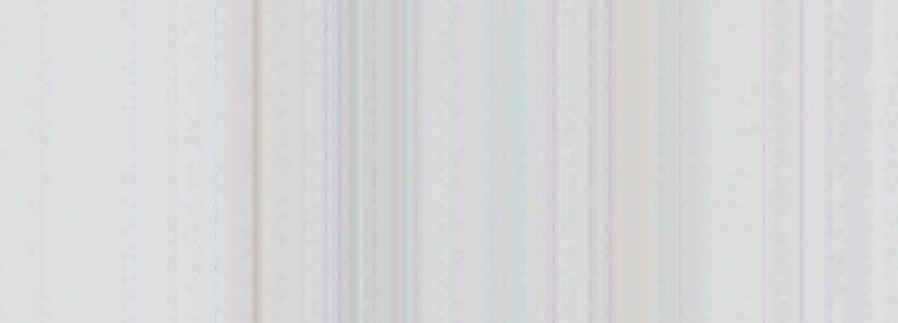
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE	16 x 14		
DESIGN LOADS	+21.8 PSF -24.8 PSF		
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MAX SIZE	16 x 14		
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SIZE	16'0" x 14'0"	DATE	04/15/00
DESIGNED BY	THOMAS L. SHAWSON P.E. No. 008520	CHECKED BY	DATE 04/15/00
DRAWING NUMBER	IRC-6016-120-15	SHEET	1 OF 1

TABLE 1

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)																TOP T
	A	B	C	D	E	F	G	H	I	J	K	L	M	N			
6' 6"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"											6' 12"
7' 0"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"									73' 12"
7' 6"	5' 12"	15' 1/4"	22' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"									81"
8' 0"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							85' 12"
9' 0"	5' 12"	15' 1/4"	22' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							99"
9' 6"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							103' 12"
10' 0"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							109' 12"
10' 6"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							115' 12"
11' 0"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							121' 12"
12' 0"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							127' 12"
12' 6"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							133' 12"
13' 0"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							139' 12"
13' 6"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							145' 12"
14' 0"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							151' 12"
14' 6"	5' 12"	18' 1/4"	25' 12"	33' 1/4"	43' 12"	54' 1/4"	61' 12"	72' 1/4"	81' 12"	90' 1/4"							157' 12"

TABLE 2

DOOR HEIGHT	SECTION HEIGHTS							
	Blm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	21"	18"	21"
13' 0"	21"	21"	21"	21"	21"	18"	18"	21"
12' 6"	21"	21"	21"	21"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	18"	21"
11' 6"	21"	21"	21"	21"	18"	18"	18"	21"
11' 0"	21"	21"	21"	21"	18"	18"	18"	21"
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	21"	18"	18"	21"	
9' 6"	21"	21"	21"	18"	18"	18"	18"	
9' 0"	18"	18"	18"	18"	18"	18"	18"	
8' 6"	21"	21"	21"	21"	18"	18"		
8' 0"	21"	18"	18"	18"	18"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"	21"			
6' 6"	21"	18"	18"	18"	21"			

TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT								SPICE
	A	B	C	D	E	F	G	S	
6' 6"	10"	38"	58"						70"
7' 0"	10"	38"	58"						76"
7' 6"	4"	28"	52"	76"					82"
8' 0"	10"	34"	58"	82"					88"
8' 6"	4"	28"	52"	76"					94"
9' 0"	10"	34"	58"	82"					100"
9' 6"	4"	28"	52"	76"	100"				106"
10' 0"	10"	34"	58"	82"	106"				112"
10' 6"	4"	28"	52"	76"	100"				118"
11' 0"	10"	34"	58"	82"	106"				124"
11' 6"	4"	28"	52"	76"	100"	124"			130"
12' 0"	10"	34"	58"	82"	106"	130"			136"
12' 6"	4"	28"	52"	76"	100"	124"			142"
13' 0"	10"	34"	58"	82"	106"	130"			148"
13' 6"	4"	28"	52"	76"	100"	124"			154"
14' 0"	10"	34"	58"	82"	106"	130"	154"		160"

TABLE 5

Section Width (ft)	Panel Type	Max Design Loads Allowed	
		Positive (PSF)	Negative (PSF)
10' 0"	Short	29.7	33.1
10' 0"	Long	34.7	39.5
12' 0"	Short	28.9	32.9
12' 0"	Long	28.9	32.9
12' 2"	Short	28.5	32.5
12' 2"	Long	28.5	32.5
12' 4"	Short	28.1	32.1
12' 4"	Long	28.1	32.1
12' 6"	Short	27.8	31.6
12' 6"	Long	27.8	31.6
12' 8"	Short	27.4	31.2
12' 8"	Long	27.4	31.2
12' 10"	Short	27.0	30.8
12' 10"	Long	27.0	30.8
13' 0"	Short	26.7	30.4
13' 0"	Long	26.7	30.4
13' 2"	Short	26.4	30.0
13' 2"	Long	26.4	30.0
13' 4"	Short	26.0	29.6
13' 4"	Long	26.0	29.6
13' 6"	Short	25.7	29.2
13' 6"	Long	25.7	29.2
13' 8"	Short	25.4	28.9
13' 8"	Long	25.4	28.9
13' 10"	Short	25.1	28.5
13' 10"	Long	25.1	28.5
14' 0"	Short	24.8	28.2
14' 0"	Long	24.8	28.2
14' 2"	Short	24.5	27.9
14' 2"	Long	24.5	27.9
14' 4"	Short	24.2	27.5
14' 4"	Long	24.2	27.5
14' 6"	Short	23.9	27.2
14' 6"	Long	23.9	27.2
14' 8"	Short	23.7	26.9
14' 8"	Long	23.7	26.9
14' 10"	Short	23.4	26.6
14' 10"	Long	23.4	26.6
15' 0"	Short	23.1	26.3
15' 0"	Long	23.1	26.3
15' 2"	Short	22.9	26.0
15' 2"	Long	22.9	26.0
15' 4"	Short	22.6	25.7
15' 4"	Long	22.6	25.7
15' 6"	Short	22.4	25.5
15' 6"	Long	22.4	25.5
15' 8"	Short	22.2	25.2
15' 8"	Long	22.2	25.2
15' 10"	Short	21.9	24.9
15' 10"	Long	21.9	24.9
16' 0"	Short	21.8	24.8
16' 0"	Long	21.8	24.8

* Stiles do not need to be hinged

1201

FIELD BOOK, SEE PAGE(S) FILE

CERTIFIED TO:
DOUGLAS & DELIA M. JOHNSON
FLORIDA CREDIT UNION

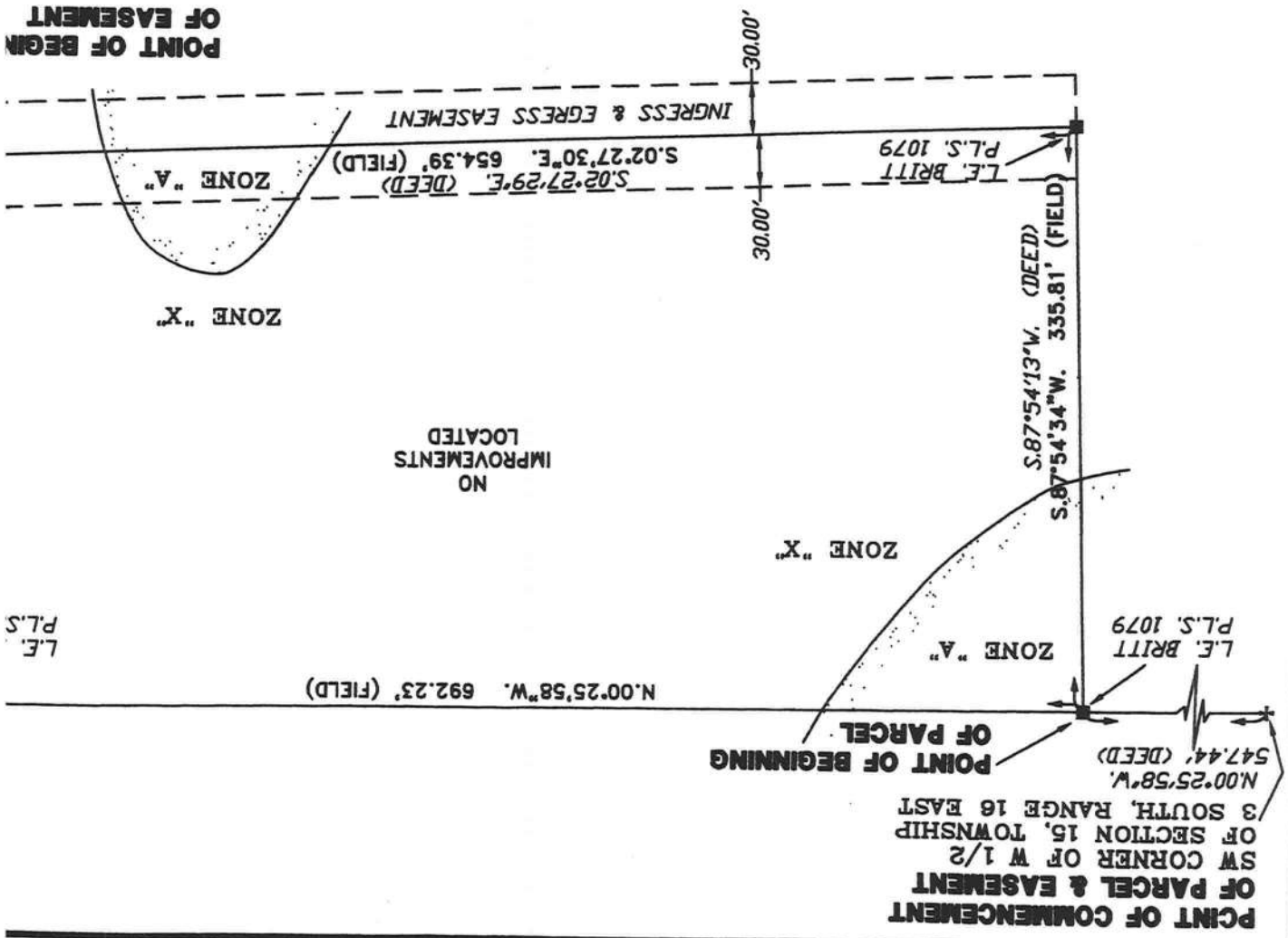
07/01/05
07/04/05

FIELD SURVEY DATE
DRAWING DATE

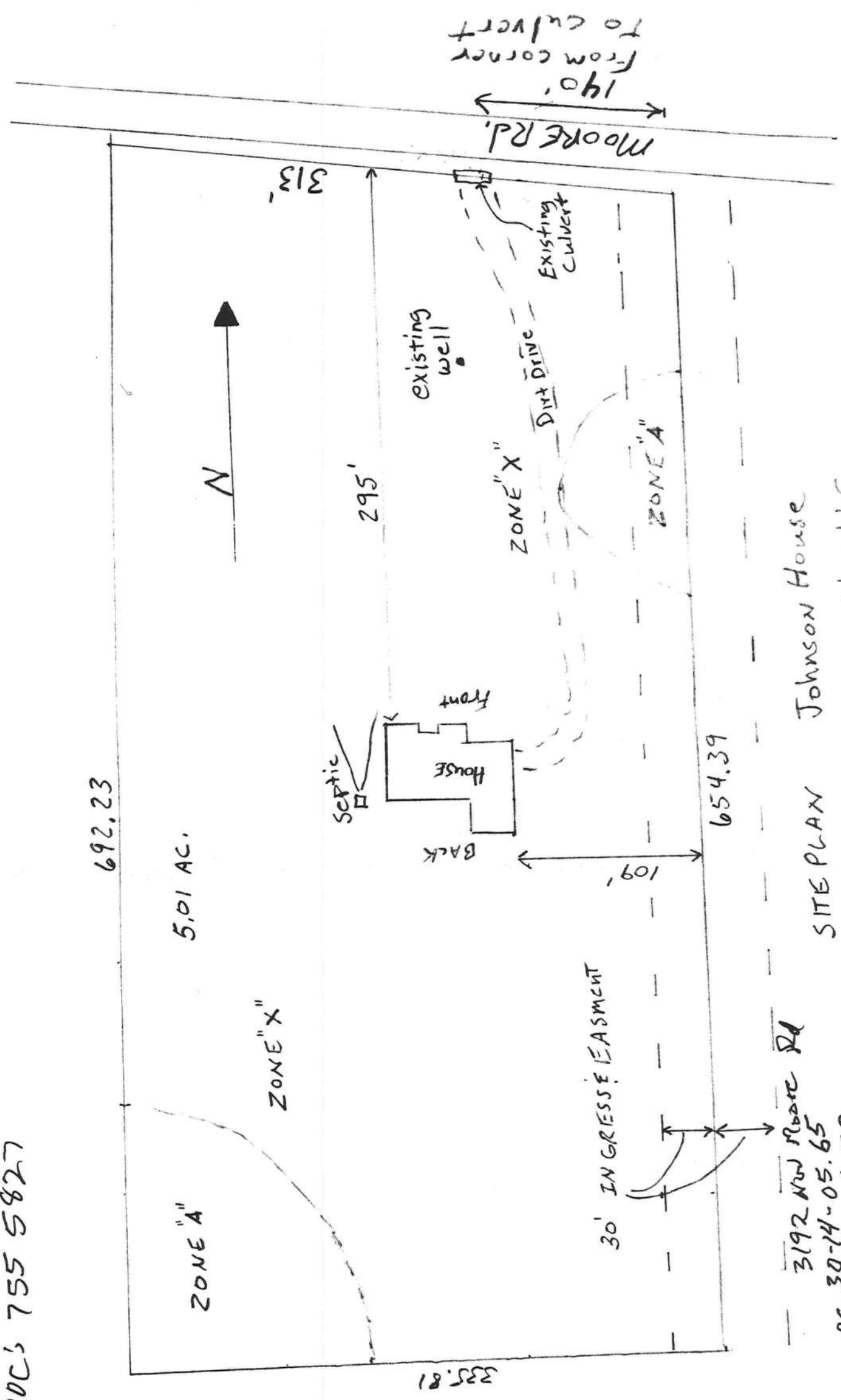
NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL
MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFO
I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER
TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA
IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PL

SURVEYOR'S CERT.

- SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT
 2. BEARINGS ARE BASED ON SAID PREVIOUS SURVEY BY THIS OFFICE.
 3. HOWEVER, NO BASE FLOOD ELEVATION HAS BEEN DETERMINED FOR ZONE "A", SOME OF THIS PARCEL ARE IN ZONE "X" AND ARE DETERMINED TO BE OUTSIDE THE 500 PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED 6 JAN. 1988 COMMUNITY PANEL 0125 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
 4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATE DATE OF FIELD SURVEY AS SHOWN HEREON.
 5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATE THIS SURVEY EXCEPT AS SHOWN HEREON.
 6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR POLICY.



J. Milton
POC: 755 5827



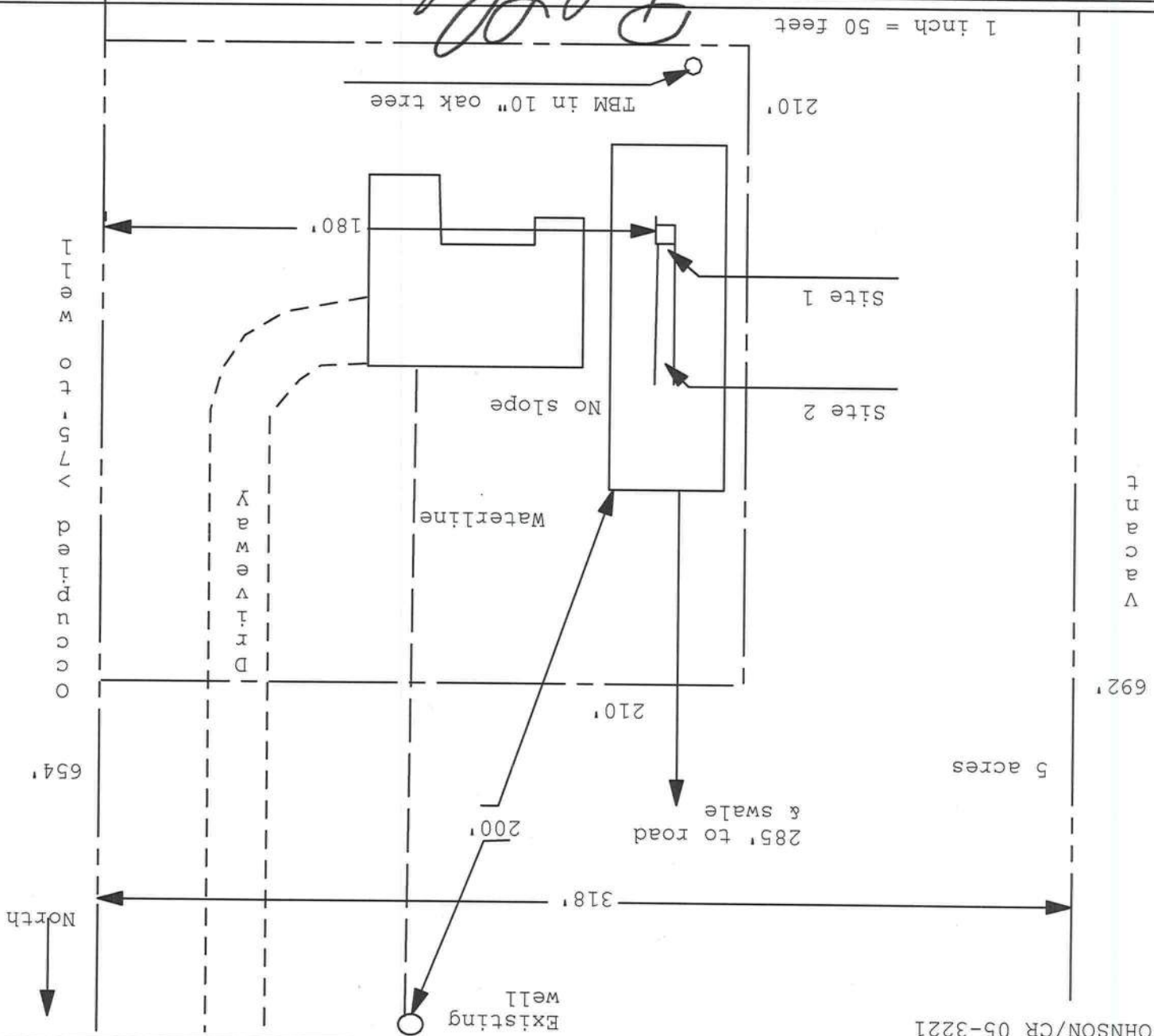
3192 NW Moore Rd
PC 30-14-05.65
82-42-02.79

SITE PLAN Johnson House
Jay Milton, Milton Builders LLC.

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan Permit Application Number: 05-1198N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

JOHNSON/CR 05-3221



Site Plan Submitted By *James L. [Signature]* Date 11/18/05
 Plan Approved Not Approved Date 12/5/05
 By *Colubia* CPBU

Notes:

to the roof peak.

3. The foundation plan shows a fireplace, please verify on the plans the type construction method to be used to construct this fireplace, if the fireplace will be conventional site-built please show the supporting foundation detail. On the structure elevation plan if the fireplace will be vented by

2. On the elevation plan show from the established finished grade the total height of the structure
1. Please submit an approved copy of the Columbia County Environmental Health Department site plan application for an on site waste water septic system.

Please include application number 0511-99 when making reference to this application.

On the date of November 30, 2005 application 0511-99 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Milton Builders LLC. Owner Doug Johnson 3192 NW. Moore Road

Reference to: Build permit application Number: 0511-99

From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

a chimney show the height above the roof of the flue and the location of the flue from the nearest roof line.

✓ 4. Please verify with Mr. Disoway in regards to the truss layout plans (which are reversed from the foundation plan) that any structural alterations or engineering design will not be need to be made due to this truss layout design by Anderson Truss Company . Please have Mr. Disoway provide a corrected engineering design foundation Sheet S-2 plans and roof truss designed sheet S-3 to match the truss layout plans by Anderson Truss Company.

✓ 5. Please verify on the plans the locations of the smoke alarms as required by FRC-2004 section R313.1 Smoke alarms shall be installed in the following locations: In each

sleeping room. Outside each separate sleeping area in the immediate vicinity of the bedrooms. When more than one smoke alarm is required to be installed within an

individual dwelling unit the alarm devices shall be interconnected in such a manner that

the actuation of one alarm will activate all of the alarms in the individual unit. The alarm

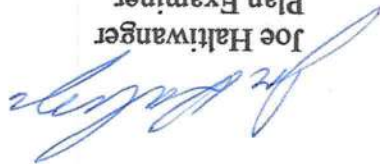
shall be clearly audible in all bedrooms over background noise levels with all intervening

doors closed.

✓ 6. Show on the electrical plans the location of the electrical panel and the total amperage

rating of the electrical panel.

Thank you,



Joe Haltiwanger
Plan Examiner

Columbia County Building Department

Columbia County Building Permit Application

Revised 9-23-0

For Office Use Only Application # 0511-59 Date Received 11/29 By JLV Permit # 23926 Date 12-05-05 Plans Examiner OK JMH Date 12-02-05 Flood Zone X per survey submitted Development Permit A-3 Zoning A-3 Land Use Plan Map Category A-3 Comments E. Health signed 11/29 plan

Applicants Name Jay Milton, Milton Builders LLC Address 1296 SW Ridge St Phone 755-5827

Owners Name Doug Johnson

911 Address 3192 NW Moore Rd Lake City, FL 32024 Phone

Contractors Name Jay Milton Address 1296 SW Ridge St Lake City, FL 32024 Phone

Fee Simple Owner Name & Address Doug Johnson 1568 NE Bascom Morris Dr 32055

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Mark Dissey Lake City, FL

Mortgage Lenders Name & Address First Federal Lake City, FL

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 15-35-16-02126-003 Estimated Cost of Construction 215,000

Subdivision Name NA

Driving Directions Take Lake Jeffery Hwy to Moore Rd. turn Rt. go 10th mile to Job on Right. Milton Builders sign out front.

Type of Construction New House

Total Acreage 5.01 Lot Size

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 295' side 109' side 110' Rear 300

Total Building Height 18' Porches = 380 Garage = 494 Living Area = 2706 TOTAL = 3970

Heated Floor Area 2706 Roof Pitch 6 D 12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Agent (including Contractor)

STATE OF FLORIDA COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 17th day of November 2005

Personally known X or Produced Identification

Notary Public State of Florida Elioise Reynolds My Commission DD447190 Expires 07/04/2009

Notary Signature

Contractor Signature Competency Card Number C6C060912

Notary Signature

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

Columbia County 9-1-1 Addressing / GIS Department

Address Issued By:



Remarks:

Building Permit Number (If known):

Other Contact Phone Number (If any):

PROPERTY APPRAISER PARCEL NUMBER: 15-3S-16-02126-003

OCCUPANT CURRENT MAILING ADDRESS:

OCCUPANT NAME: NOT AVAIL.

Addressed Location 911 Phone Number: NOT AVAIL.

3192 NW MOORE RD (LAKE CITY, FL 32055)

ENHANCED 9-1-1 ADDRESS:

DATE ISSUED: November 23, 2005

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

Addressing Maintenance

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

COLUMBIA COUNTY 9-1-1 ADDRESSING

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE	AS-BUILT
------	----------

GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area	Type/SC Overhang Ornt Len Hgt Area X SPM X SOF = Points
---	---

.18 2706.0 20.04 9761.1	Double, Clear E 1.5 6.0 16.0 42.06 0.91 E 1.5 4.5 4.0 42.06 0.85 NE 99.0 5.5 10.0 29.56 0.44 E 6.5 5.5 15.0 42.06 0.47 SE 13.5 5.5 10.0 42.75 0.39 E 8.0 8.0 40.0 42.06 0.52 E 1.5 5.5 15.0 42.06 0.90 S 1.5 5.5 15.0 35.87 0.83 W 1.5 5.5 30.0 38.52 0.90 W 1.5 7.0 20.0 38.52 0.94 W 1.5 3.0 6.0 38.52 0.73 W 3.0 6.0 8.0 38.52 0.73 W 3.0 1.5 5.0 38.52 0.41 W 0.0 0.0 25.0 38.52 1.00 W 0.0 0.0 10.0 38.52 1.00 N 1.5 5.5 15.0 19.20 0.93 Double, Clear As-Built Total: 244.0	
----------------------------------	---	--

WALL TYPES Area X BSPM = Points Adjacent 420.0 0.70 294.0 Exterior 2646.0 1.70 4498.2 Base Total: 3066.0 4792.2	DOOR TYPES Area X BSPM = Points Frame, Wood, Exterior 13.0 2646.0 1.50 3969.0 Frame, Wood, Adjacent 13.0 420.0 0.60 252.0 Type As-Built Total: 3066.0 Area X SPM = Points 4221.0
---	--

CEILING TYPES Area X BSPM = Points Adjacent 20.0 2.40 48.0 Exterior 80.0 6.10 488.0 Base Total: 100.0 536.0	CEILING TYPES Area X SPM = Points Exterior Insulated 40.0 4.10 164.0 Adjacent Insulated 20.0 1.60 32.0 Exterior Insulated 40.0 4.10 164.0 Type As-Built Total: 100.0 R-Value Area X SPM X SCM = Points 360.0
---	---

Base Total: 2706.0 4681.4	Under Attic 2706.0 1.73 4681.4 As-Built Total: 2706.0 4681.4
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SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES					Type					
Area X BSPM = Points		R-Value		Area X SPM = Points			Slab-On-Grade Edge Insulation		0.0	
Slab		297.0(p)		-37.0		-10989.0		0.0		
Raised		0.0		0.00		0.0				
Base Total: -10989.0					As-Built Total: 297.0					
INFILTRATION					Area X SPM = Points					
2706.0		10.21		27628.3						
Summer Base Points: 36409.9					Summer As-Built Points: 31738.4					
Total Summer X System = Cooling Points					Total X Cap X Duct X System X Credit = Cooling Points					
Multiplier		Points		Component Ratio		Multiplier		(System - Points)		
					(DM x DSM x AHU)					
					(sys 1: Central Unit 57000 bluh ,SEER/EFF(10.0) Ducts:Unc(s),Unc(R),Int(AH),R6.0,(INS)					
36409.9		0.4266		15532.5		31738.4		1.00		
						(1.09 x 1.147 x 0.91)		0.341		
						1.138		1.000		
						12324.0		12324.0		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE	AS-BUILT
------	----------

GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area	Type/SC Ornt Len Hgt Area X WPM X WOF = Points
---	---

.18 2706.0 12.74 6205.4	Double, Clear E 1.5 6.0 16.0 18.79 1.04 311.4 E 1.5 4.5 4.0 18.79 1.06 79.7 NE 99.0 5.5 10.0 23.57 1.06 250.1 E 6.5 5.5 15.0 18.79 1.34 376.4 SE 13.5 5.5 10.0 14.71 2.58 379.8 E 8.0 8.0 40.0 18.79 1.29 966.5 Double, Clear E 1.5 5.5 15.0 18.79 1.04 293.5 S 1.5 5.5 15.0 13.30 1.15 228.8 W 1.5 5.5 30.0 20.73 1.03 639.3 Double, Clear W 1.5 7.0 20.0 20.73 1.02 421.4 W 1.5 3.0 6.0 20.73 1.08 134.8 Double, Clear W 3.0 6.0 8.0 20.73 1.08 179.7 Double, Clear W 3.0 1.5 5.0 20.73 1.22 126.7 Double, Clear W 0.0 0.0 25.0 20.73 1.00 518.2 Double, Clear W 0.0 0.0 10.0 20.73 1.00 207.3 Double, Clear N 1.5 5.5 15.0 24.58 1.00 369.8
As-Built Total: 244.0	R-Value Area X WPM = Points

WALL TYPES Area X BWPM = Points	Type
Adjacent 420.0 3.60 1512.0 Exterior 2646.0 3.70 9790.2	Frame, Wood, Exterior Frame, Wood, Adjacent
Base Total: 3066.0	As-Built Total: 3066.0
DOOR TYPES Area X BWPM = Points	Type
Adjacent 20.0 11.50 230.0 Exterior 80.0 12.30 984.0	Exterior Insulated Adjacent Insulated Exterior Insulated
Base Total: 1214.0	As-Built Total: 100.0
CEILING TYPES Area X BWPM = Points	Type
Under Attic 2706.0 2.05 5547.3	Under Attic
Base Total: 2706.0	As-Built Total: 2706.0

5547.3	5547.3
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WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE					AS-BUILT				
FLOOR TYPES Area X BWPM = Points					Type R-Value Area X WPM = Points				
Slab	297.0(p)	8.9	2643.3		Slab-On-Grade Edge Insulation	0.0	297.0(p)	18.80	5583.6
Raised	0.0	0.00	0.0						
Base Total: 2643.3					As-Built Total: 297.0				
INFILTRATION Area X BWPM = Points					Area X WPM = Points				
2706.0 -0.59 -1596.5					2706.0 -0.59 -1596.5				
Winter Base Points: 25315.7					Winter As-Built Points: 26232.1				
Total Winter X System = Heating Points					Total X Cap X Duct X System X Credit = Heating Points				
(System - Points)					(DM x DSM x AHU)				
25315.7 0.6274 15883.0					26232.1 1.00 1.162 0.487 1.000 14851.3				
(sys 1: Electric Heat Pump 57000 btuh, EFF(7.0) Ducts:Unc(s),Unc(R),Int(AH),R6.0					26232.1 1.000 (1.069 x 1.169 x 0.93) 0.487 1.000 14851.3				

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE						AS-BUILT					
WATER HEATING											
Number of Bedrooms			X Multiplier = Total			Tank EF			Number of Bedrooms		
5			2635.00			40.0			1.00		
			13175.0			0.93			2606.67		
						5			1.00		
									13033.3		

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS		SECTION	REQUIREMENTS FOR EACH PRACTICE	
Exterior Windows & Doors	606.1.ABC.1.1	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	CHECK
Exterior & Adjacent Walls	606.1.ABC.1.2.1	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; penetrations; between wall panels & top/bottom plates; between walls and floor.	
Floors	606.1.ABC.1.2.2	606.1.ABC.1.2.2	EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Ceilings	606.1.ABC.1.2.3	606.1.ABC.1.2.3	EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
			Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	606.1.ABC.1.3	Exhaust fans vented to outdoors; dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS		SECTION	REQUIREMENTS	
Water Heaters	612.1	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	CHECK
Swimming Pools & Spas	612.1	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610.	
HVAC Controls	607.1	607.1	Ducts in unconditioned attics: R-6 min. insulation.	
Insulation	604.1, 602.1	604.1, 602.1	Separate readily accessible manual or automatic thermostat for each system.	
			Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides.	
			Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.4

The higher the score, the more efficient the home.

The Hampton 2 Model, , FL,

1.	New construction or existing	12.	Cooling systems	a.	Central Unit	Cap: 57.0 KBtu/hr	SEER: 10.00
2.	Single family or multi-family						
3.	Number of units, if multi-family						
4.	Number of Bedrooms						
5.	Is this a worst case?						
6.	Conditioned floor area (ft²)						
7.	Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)						
	a. U-factor:						
	(or Single or Double DEFAULT) 7a. (Dble Default) 197.0 ft²						
	b. SHGC:						
	(or Clear or Tint DEFAULT) 7b. (Clear) 197.0 ft²						
8.	Floor types						
	a. Slab-On-Grade Edge Insulation						
	b. N/A						
	c. N/A						
9.	Wall types						
	a. Frame, Wood, Exterior						
	b. Frame, Wood, Adjacent						
	c. N/A						
	d. N/A						
	e. N/A						
10.	Ceiling types						
	a. Under Attic						
	b. N/A						
	c. N/A						
11.	Ducts						
	a. Sup: Unc. Ret: Unc. AH: Interior						
	b. N/A						
	c. N/A						
	d. N/A						
	e. N/A						
	f. N/A						
	g. N/A						
	h. N/A						
	i. N/A						
	j. N/A						
	k. N/A						
	l. N/A						
	m. N/A						
	n. N/A						
	o. N/A						
	p. N/A						
	q. N/A						
	r. N/A						
	s. N/A						
	t. N/A						
	u. N/A						
	v. N/A						
	w. N/A						
	x. N/A						
	y. N/A						
	z. N/A						
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	bq. N/A						
	br. N/A						
	bs. N/A						
	bt. N/A						
	bu. N/A						
	bv. N/A						
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	bx. N/A						
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	bz. N/A						
	ca. N/A						
	cb. N/A						
	cc. N/A						
	cd. N/A						
	ce. N/A						
	cf. N/A						
	cg. N/A						
	ch. N/A						
	ci. N/A						
	cj. N/A						
	ck. N/A						
	cl. N/A						
	cm. N/A						
	cn. N/A						
	co. N/A						
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	cr. N/A						
	cs. N/A						
	ct. N/A						
	cu. N/A						
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	cw. N/A						
	cx. N/A						
	cy. N/A						
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	gk. N/A						
	gl. N/A						
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	gn. N/A						
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	gq. N/A						
	gr. N/A						
	gs. N/A						
	gt. N/A						
	gu. N/A						
	gv. N/A						
	gw. N/A						
	gx. N/A						
	gy. N/A						
	gz. N/A						
	ha. N/A						
	hb. N/A						
	hc. N/A						
	hd. N/A						
	he. N/A						
	hf. N/A						
	hg. N/A						
	hi. N/A						
	hj. N/A						
	hk. N/A						
	hl. N/A						
	hm. N/A						
	hn. N/A						
	ho. N/A						
	hp. N/A						
	hq. N/A						
	hr. N/A						
	hs. N/A						
	ht. N/A						
	hu. N/A						
	hv. N/A						
	hw. N/A						
	hx. N/A						
	hy. N/A						
	hz. N/A						
	ia. N/A						
	ib. N/A						
	ic. N/A						
	id. N/A						
	ie. N/A						
	if. N/A						
	ig. N/A						
	ih. N/A						
	ii. N/A						
	ij. N/A						
	ik. N/A						
	il. N/A						
	im. N/A						
	in. N/A						
	io. N/A						
	ip. N/A						
	iq. N/A						
	ir. N/A						
	is. N/A						
	it. N/A						
	iu. N/A						
	iv. N/A						
	iw. N/A						
	ix. N/A						
	iy. N/A						
	iz. N/A						
	ja. N/A						
	jb. N/A						
	jc. N/A						
	jd. N/A						
	je. N/A						
	jf. N/A						
	jg. N/A						
	jh. N/A						
	ji. N/A						
	jj. N/A						

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

2. The second step is to gather relevant information and data. This can involve research, consultation with experts, or collecting data from various sources.

3. The third step is to analyze the information and data. This involves identifying patterns, trends, and relationships that can help to answer the question or solve the problem.

4. The fourth step is to develop a solution or answer. This involves applying the information and data to the problem and using logical reasoning to arrive at a conclusion.

5. The fifth step is to communicate the solution or answer. This involves presenting the findings in a clear and concise manner, using appropriate language and format.

6. The sixth step is to evaluate the solution or answer. This involves checking the work for accuracy and ensuring that the solution meets the requirements of the task.

7. The seventh step is to reflect on the process. This involves thinking about what was learned and how it can be applied to future tasks.

8. The eighth step is to seek feedback. This involves asking others for their thoughts and suggestions, which can help to improve the work and the process.

9. The ninth step is to revise the work. This involves making changes to the solution or answer based on feedback and ensuring that it is the best possible solution.

10. The tenth step is to submit the work. This involves turning in the final solution or answer and ensuring that it is complete and accurate.

[illegible]

Residential System Sizing Calculation

The Hampton 2 Model

Project Title:
510283MiltonBuildersTheHampton2Model

Class 3 Rating
Registration No. 0
Climate: North

11/15/2005

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation		Total cooling load calculation	
48139 Btuh	% of calc Btuh	44415 Btuh	% of calc Btuh
Submitted heating capacity		Submitted cooling capacity	
118.4 57000		91.5 28500	
Total (Electric Heat Pump)		Total (Electric Heat Pump)	
118.4 57000		128.3 57000	
Heat Pump + Auxiliary(0.0kW)			

WINTER CALCULATIONS



Load component		Load
Window total	244 sqft	6905 Btuh
Wall total	3066 sqft	8875 Btuh
Door total	100 sqft	1654 Btuh
Ceiling total	2706 sqft	3518 Btuh
Floor total	297 ft	9385 Btuh
Infiltration	362 cfm	15509 Btuh
Subtotal		45846 Btuh
Duct loss		2292 Btuh
TOTAL HEAT LOSS		48139 Btuh

Winter Heating Load (for 2706 sqft)

SUMMER CALCULATIONS



Load component		Load
Window total	244 sqft	7953 Btuh
Wall total	3066 sqft	5041 Btuh
Door total	100 sqft	1014 Btuh
Ceiling total	2706 sqft	3843 Btuh
Floor total	0 Btuh	0 Btuh
Infiltration	316 cfm	6263 Btuh
Internal gain		4200 Btuh
Subtotal(sensible)		28314 Btuh
Duct gain		2831 Btuh
Total sensible gain		31145 Btuh
Latent gain(infiltration)		10970 Btuh
Latent gain(internal)		2300 Btuh
Total latent gain		13270 Btuh
TOTAL HEAT GAIN		44415 Btuh

Summer Cooling Load (for 2706 sqft)

EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: *[Signature]*
DATE: 11-15-05

System Sizing Calculations - Winter

The Hampton 2 Model
 Project Title: 510283MiltonBuildersTheHampton2Model
 Class 3 Rating
 Registration No. 0
 Climate: North
 11/15/2005

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	16.0	28.3	453 Btuh
2	2, Clear, Metal, DEF	N	4.0	28.3	113 Btuh
3	2, Clear, Metal, DEF	NW	10.0	28.3	283 Btuh
4	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
5	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
6	2, Clear, Metal, DEF	NE	10.0	28.3	283 Btuh
7	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
8	2, Clear, Metal, DEF	E	15.0	28.3	424 Btuh
9	2, Clear, Metal, DEF	S	30.0	28.3	424 Btuh
10	2, Clear, Metal, DEF	S	20.0	28.3	849 Btuh
11	2, Clear, Metal, DEF	S	6.0	28.3	566 Btuh
12	2, Clear, Metal, DEF	S	8.0	28.3	170 Btuh
13	2, Clear, Metal, DEF	S	5.0	28.3	226 Btuh
14	2, Clear, Metal, DEF	S	25.0	28.3	142 Btuh
15	2, Clear, Metal, DEF	S	10.0	28.3	283 Btuh
16	2, Clear, Metal, DEF	W	15.0	28.3	424 Btuh
Window Total					
Type R-Value Area X HTM=					
Frame - Exterior 13.0 2646 3.1					
Frame - Adjacent 13.0 420 1.6					
Wall Total					
Type Insulated - Exterior Insulated - Adjac Insulated - Exter					
Area X HTM=					
40 18.3 9.4 40 18.3					
Door Total					
Type Under Attic					
R-Value 30.0 Area X HTM=					
2706 1.3					
Ceiling Total					
Type Slab-On-Grade Edge Insul					
R-Value 0 Size X HTM=					
297.0 ft(p) 31.6					
Floor Total					
Type Natural					
ACH X Building Volume CFM=					
0.80 27060(sqft) 362					
Infiltration Total					
Mechanical					
0 362					
Infiltration Total					
0 15509 Btuh					
Load					
9385 Btuh					
3518 Btuh					
3518 Btuh					
1654 Btuh					
1654 Btuh					
733 Btuh					
188 Btuh					
733 Btuh					
Load					
8875 Btuh					
8875 Btuh					
672 Btuh					
8203 Btuh					
Load					
6905 Btuh					

Totals for Heating		
Subtotal	Duct Loss(using duct multiplier of 0.05)	2292 Btuh
		48139 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

The Hampton 2 Model
Project Title:
510283MiltonBuildersTheHampton2Model
Class 3 Rating
Registration No. 0
Climate: North

11/15/2005

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - Manual J Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

The Hampton 2 Model

FL

510283MiltonBuildersTheHampton2Model

Project Title:

Residential Load - Component Details

Class 3 Rating

Class 3 Rating
Registration No. 0
Climate: North

Climate: North

11/15/2005

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F

Window	Type	Overhang	Window Area(sqft)	HTM	Load
1	2, Clear, DEF, N, N	N	15.0	22	352 Btuh
2	2, Clear, DEF, N, N	N	4.0	22	88 Btuh
3	2, Clear, DEF, N, N	NW	10.0	22	500 Btuh
4	2, Clear, DEF, N, N	N	10.0	22	500 Btuh
5	2, Clear, DEF, N, N	NE	10.0	22	330 Btuh
6	2, Clear, DEF, N, N	N	40.0	22	880 Btuh
7	2, Clear, DEF, N, N	N	15.0	22	330 Btuh
8	2, Clear, DEF, N, N	E	15.0	22	1080 Btuh
9	2, Clear, DEF, N, N	S	30.0	22	660 Btuh
10	2, Clear, DEF, N, N	S	20.0	22	440 Btuh
11	2, Clear, DEF, N, N	S	6.0	22	132 Btuh
12	2, Clear, DEF, N, N	S	8.0	22	176 Btuh
13	2, Clear, DEF, N, N	S	5.0	22	110 Btuh
14	2, Clear, DEF, N, N	S	25.0	22	925 Btuh
15	2, Clear, DEF, N, N	S	10.0	22	370 Btuh
16	2, Clear, DEF, N, N	W	15.0	22	1080 Btuh
Window Total					
Panes/SHGC/U/Insh/Exsh Omt					
Len Hgt					
Gross Shaded Unshaded					
Window Area(sqft)					
Shaded Unshaded					
HTM					
Load					
Walls					
1	Frame - Exterior	13.0	2646.0	1.7	4604 Btuh
2	Frame - Adjacent	13.0	420.0	1.0	437 Btuh
Wall Total					
5041 Btuh					
Doors					
1	Insulated - Exter	40.0	Area	HTM	Load
2	Insulated - Adjac	20.0			203 Btuh
3	Insulated - Exter	40.0			406 Btuh
Door Total					
1014 Btuh					
Ceilings					
1	Type/Color	R-Value	Area	HTM	Load
	Under Attic/Dark	30.0	2706.0	1.4	3843 Btuh
Ceiling Total					
2706.0					
Floors					
1	Type	R-Value	Size	HTM	Load
	Slab-On-Grade Edge Insulation	0.0	297.0 ft(p)	0.0	0 Btuh
Floor Total					
297.0					
Infiltration					
	Type	ACH	Volume	CFM=	Load
	Natural	0.70	27060	316.3	6263 Btuh
	Mechanical			0	0 Btuh
Infiltration Total					
6263 Btuh					
Internal gain					
Occupants					
10					
Btuh/occupant					
X 300 +					
Appliance					
1200					
Load					
4200 Btuh					

Manual J Summer Calculations

Residential Load - Component Details (continued)

The Hampton 2 Model
 Project Title:
 510283MiltonBuildersTheHampton2Model
 Class 3 Rating
 Registration No. 0
 Climate: North

11/15/2005

Totals for Cooling	
Subtotal	28314 Btuh
Duct gain(using duct multiplier of 0.10)	2831 Btuh
Total sensible gain	31145 Btuh
Latent infiltration gain (for 51 gr. humidity difference)	10970 Btuh
Latent occupant gain (10 people @ 230 Btuh per person)	2300 Btuh
Latent other gain	0 Btuh
TOTAL GAIN	44415 Btuh

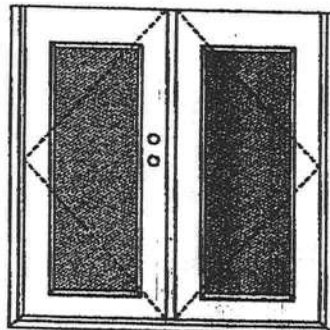
Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
 (U - Window U-Factor or 'DEF' for default)
 (InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
 (ExSh - Exterior shading device: none(N) or numerical value)
 (Ornt - compass orientation)

XX
Sized Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure

+40.5/-40.5

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistance requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



138, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series



106, 160 Series



129 Series



200 Series



12 R/L, 23 R/L, 24 R/L



107 Series



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel, 5-panel with scroll, Eyebrow 5-panel Eyebrow 5-panel with scroll.

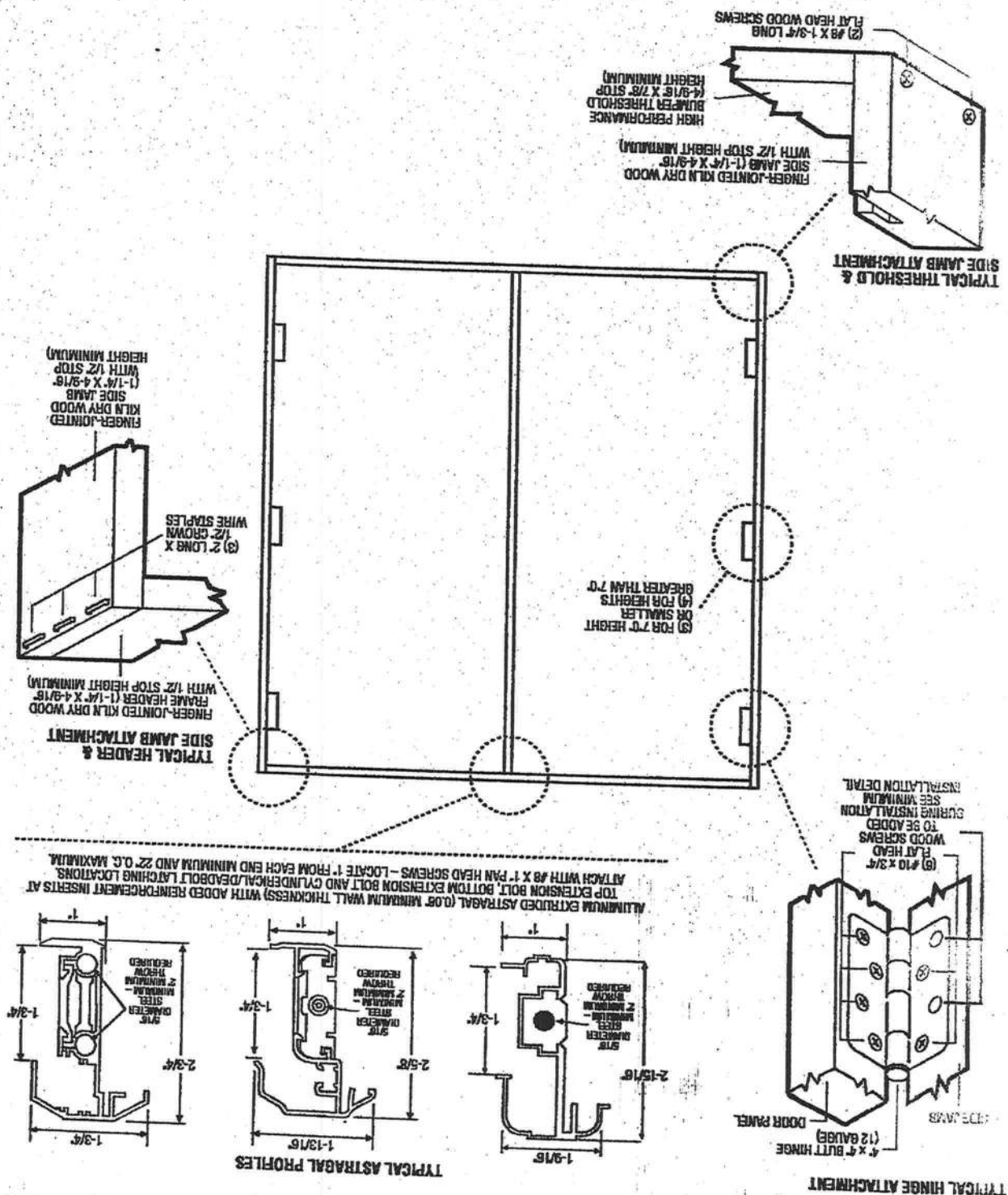
Johnson
Window Systems

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PREMIUM
Premium Quality Doors
Masonite
Masonite International Corporation
Exclusively from

OUTSWING UNITS WITH DOUBLE DOOR

MAD-WL-MA0012-02





LANGBOARD INC.

ORIENTED
STRUCTURAL
BOARD

TECO
TESTED

PS 2-92 PRP-133
HUD-UM-40C

EXPOSURE 1
SHEATHING SPAN®
7/16" 24/16 RATING
SIZED FOR SPACING

LANGBOARD
QUITMAN, GA

MILL 207

ROOF/WALLS/FLOORS
SPACE PANELS
1/8 INCH AT SIDES
1/8 INCH AT ENDS

SPACER-TYPE PLYWOOD
CLIPS RECOMMENDED FOR
ROOF APPLICATIONS TO
ASSURE PROPER PANEL
SPACING

053

VVA 17.60 4007/60/10

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P.O. Box 837
Quitman, Georgia 31643
912/263-5535
Telefax: 912/263-5535

07/09/2004 09:27 FAX

LANGBOARD

90047 000

Langboard OSB

Langboard is Oriented Strand Board, a structural panel that is superior to waterboard in every way — in strength, stiffness, weight, and dimensional stability. Each panel consists of long, narrow strands of southern hardwoods aligned in alternate layers, perpendicular and bonded with Phenolic Resin. The result is a structural panel with strength properties and dimensional stability that is a superior multi-purpose panel to the construction industry.

Langboard Storage

Store Langboard OSB in a clean dry area; in a warehouse or under roof, if possible. Place the 4' x 8' unit in a level area on four or more stringers so that air is allowed to circulate around the panels. If stored outside, select a level high ground with four or more stringers. Anchor a tarp or plastic sheet to top of stack, but leave it open and hang from sides and bottom to assure good ventilation. Before installation Langboard should be moved to job site and allowed to acclimate to the surrounding under the protection from the elements. Panels should be spaced 1/8" of an inch at both edges and ends. The use of ply clips for sheathing panels are recommended.

Langboard Acceptability

Langboard will meet or exceed standards for the American Plywood Association Performance rated panels. The 7/16" Langboard Panel carries the APA gradedmark as Rated Sheathing and lists 24/16 as span rating. (24" o.c.). The 24 number denotes the maximum recommended spacing of supports when panel is used for roof sheathing. (16" o.c.). The 16 number denotes the maximum recommended spacing of supports when panel is used for sub-flooring.

Physical Properties

Density 44 lbs. / Cubic Feet
Modulus of Rupture — 3,000 PSI
Modulus of Elasticity — 450,000 PSI
Internal Bond — 50 ASI
Linear Expansion 0.20%

Minimum Direct nail withdrawal — 25 lbs.

Langboard Packaging 48" x 96"

Thickness	Pieces Per Bundle
1/4"	135
3/8"	90
7/16"	75
1/2"	65
5/8"	50
3/4"	45

APA Oriented Span Ratings

Thickness	APA Span Rating	Maximum Live Load For Floor (lbs.)
7/16"	24/16	40 lbs.
1/2"	32/16	55 lbs.
5/8"	40/20	75 lbs.
5/8"	Sturd-I-Floor	20" o.c.
3/4"	Sturd-I-Floor	24" o.c.

Surface Burning Characteristics

Unfinished 1/4" to 3/4"

Basic Board

Flame Spread
Fuel Contributed
Smoke Developed

Insulation Value

7/16" = 1.5R

Vapor Permeability

7/16" = .9 perm

1/2" = .8 perm

Sales Contact
Dick Miller - Sales Manager
(912) 263-8943

Langboard Inc.
P.O. Box 837

Quitman, GA 31643
Telefax: (912) 263-5535

CPC 5060

Surface Burning Characteristics

Flame Spread Index - Class III or Class C (76 to 200)
Above classes are certified by Underwriters Laboratories

Smoke Developed - 130

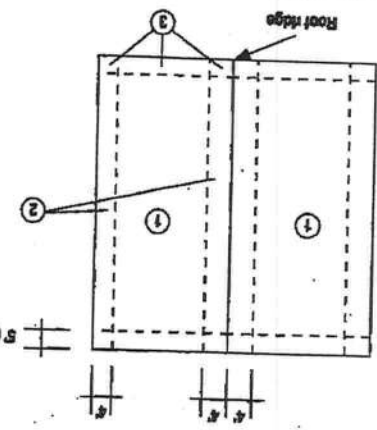
Table 1 - ALLOWABLE UNIFORM ROOF LIVE LOADS FOR SHEATHING SPAN WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS

SHEATHING SPAN		ROOF											
SPAN RATING	PANEL THICKNESS (inches)	PANEL THICKNESS (inches)	MAXIMUM SPAN (inches)		MAXIMUM SPAN (inches)		MAXIMUM SPAN (inches)		MAXIMUM SPAN (inches)		MAXIMUM SPAN (inches)		FLOOR SPAN (inches)
			With Edge Support	Without Edge Support	With Edge Support	Without Edge Support	With Edge Support	Without Edge Support	With Edge Support	Without Edge Support	With Edge Support	Without Edge Support	
12/0	5/16	12	12	12	12	12	12	12	12	12	12	12	12
16/0	5/16, 3/8	16	16	16	16	16	16	16	16	16	16	16	16
20/0	5/16, 3/8	20	20	20	20	20	20	20	20	20	20	20	20
24/0	3/8, 7/16, 1/2	24	24	24	24	24	24	24	24	24	24	24	24
24/16	7/16, 1/2	24	24	24	24	24	24	24	24	24	24	24	24
32/16	15/32, 1/2, 5/8	32	32	32	32	32	32	32	32	32	32	32	32
40/20	9/16, 19/32, 5/8, 3/4, 7/8	40	40	40	40	40	40	40	40	40	40	40	40
48/24	22/32, 3/4, 7/8	48	48	48	48	48	48	48	48	48	48	48	48

FLOOR SPAN		ROOF											
SPAN RATING	PANEL THICKNESS (inches)	PANEL THICKNESS (inches)	MAXIMUM SPAN (inches)		MAXIMUM SPAN (inches)		MAXIMUM SPAN (inches)		MAXIMUM SPAN (inches)		MAXIMUM SPAN (inches)		FLOOR SPAN (inches)
			With Edge Support	Without Edge Support	With Edge Support	Without Edge Support	With Edge Support	Without Edge Support	With Edge Support	Without Edge Support	With Edge Support	Without Edge Support	
16 o.c.	19/32, 5/8, 21/32	24	24	24	24	24	24	24	24	24	24	24	24
20 o.c.	19/32, 5/8, 3/4	32	32	32	32	32	32	32	32	32	32	32	32
24 o.c.	11/16, 23/32, 3/4	40	40	40	40	40	40	40	40	40	40	40	40
48 o.c.	1 1/8	60	60	60	60	60	60	60	60	60	60	60	60

The allowable spans were determined using a dead load of 10 psf. If the dead load exceeds 10 psf then the live load shall be reduced accordingly.
Tongue-and-groove edges, panel edge clips (one between each support, except two between supports 48 inches on center), lumber blocking or other. Only lumber blocking will satisfy blocked diaphragm requirements of Table No. IV.
Twenty-four inches for 1/2-inch panels.
Shall be permitted over framing spaced 24 inches on center for floors where 1 inch of approved gypsum concrete or 1 1/2 inches of cellular or lightweight concrete is applied over the panels.
Shall be permitted over framing of 24 inches on center where 3/4-inch wood strip flooring is installed at right angles to joist.

Figure 1
ROOF FASTENING ZONES FOR WIND UPLIFT
(Zones shown above indicate areas of the roof with different fastening requirements and should not be confused with ASCE 7 pressure coefficient zones.)

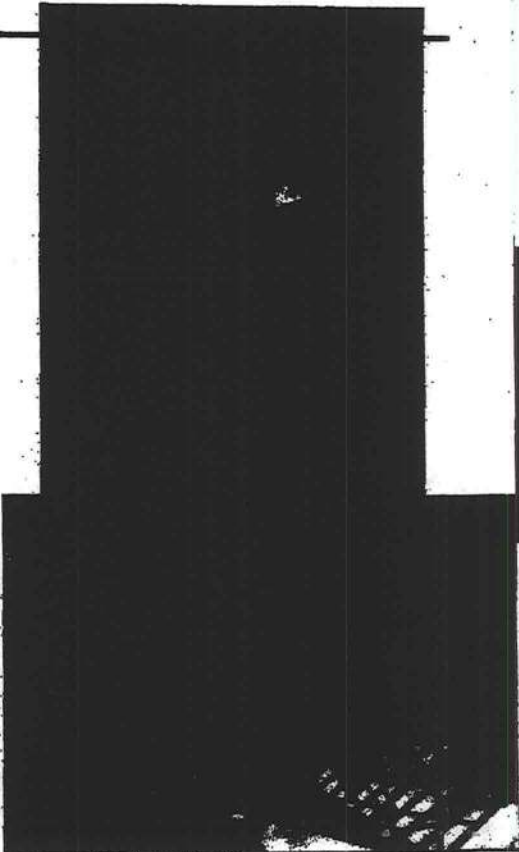


Region	Nails	Panel Location	Fastening Schedule (inches on center)		Roof Fastening Zone
			1	2	
High-Wind Uplift	6d	Panel edges ^a	6	6	4M
		Panel field	6	6	
Intermediate Uplift	6d	Panel edges ^a	6	6	6M
		Panel field	12	6	
Basic Uplift	6d	Panel edges ^a	6	6	6
		Panel field	12	12	

(a) Edge spacing also applies over roof framing at gable-end walls.
(b) Use 3d ring-shank nails in this zone if mean roof height is greater than 25.

Table 3
ALLOWABLE SHEAR (psi) FOR HORIZONTAL
WOOD STRUCTURAL PANEL DIAPHRAGMS WITH FRAMING
OF DOUGLAS FIR, LARCH OR SOUTHERN PINE
FOR WIND OR SEISMIC LOADING

Wood Structural Panel Grade	Staple or Nail Size	Minimum Nominal Framing Member Thickness (in)	Minimum Nominal Panel Width of Framing Member (in)	Lines of Fasteners	Case 1 (No Unlocked Edges or Cort. Joints Parallel to Load (2,3,4,5 & 6) All other cases	UNLOCKED DIAPHRAGMS			
						Nails spaced 6" max. at supported edges			
Structural I Sheathing I	6d	1 1/4	1/4 or 5/16	2	1	165	140	180	200
	10d	1 5/8	1 5/8	2	1	265	215	240	265
	14 ga	1 5/8	1 5/8	2	1	265	215	240	265
	14 ga	2	2 3/4	2	1	265	215	240	265
Exp 1 or Ext	6d	1 1/4	1/4 or 5/16	2	1	150	110	125	140
	10d	1 5/8	1 5/8	2	1	170	125	140	160
	14 ga	1 5/8	1 5/8	2	1	165	125	140	160
	14 ga	2	2 3/4	2	1	165	125	140	160
C-C Exterior, and other grades covered in PS 1.	6d	1 1/4	1/4 or 5/16	2	1	110	80	100	120
	10d	1 5/8	1 5/8	2	1	125	90	110	130
	14 ga	1 5/8	1 5/8	2	1	125	90	110	130
	14 ga	2	2 3/4	2	1	125	90	110	130



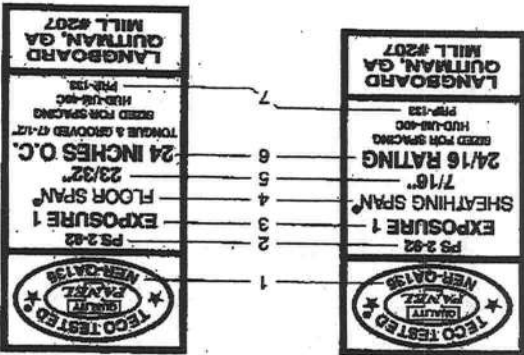
Langboard OSB structural wood based panels are interchangeable with veneer panels of equal design value. Langboard OSB panels meet the demanding requirements of the SBCI Standard Building Code. Qualification and acceptance in the Standard Building Code and SS10-93 (Prescriptive Design Methods for High Wind Load Areas) is recognized through National Evaluation Service Report No. NER-QA135.

Table 2 - Roof Diaphragm Requirements

Maximum Distance Between Shearwalls	Shear Capacity of Sheathing Material (psi)		
	90 mph	100 mph	110 mph
W	120	150	180
2W	120	150	180
3W	150	185	220
4W	195	240	290

W = Building Width
EXCEPTION: The values in the table above assume an 8 ft. wall height. When using a wall height of 10 ft., the required shear capacity shall be increased by 25%.

1. National Evaluation Service Report Number
2. Product Standard that governs specifics of production
3. Exposure Durability Classification
4. Panel Grade
5. Thickness
6. Span Rating
7. Product Rating Procedure





LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 3.

DESCRIPTION: Landmark TL (and-AR)

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).
This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (in Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

SCOPE:

Certainiteed Corporation (PA)
1400 Union Meeting Road
Blue Bell, PA 19422

NOTICE OF ACCEPTANCE (NOA)

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: 07310 Composition Shingles
Materials: Dimensional
Deck Type: Wood

1. SCOPE:

This new roofing system using CertainTeed Landmark TL and AR Asphalt Shingles, manufactured by CertainTeed Corporation as described in this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County.

2. PRODUCT DESCRIPTION

Product	Dimensions	Test	Specifications	Product Description
CertainTeed Landmark TL and AR	13 1/4" x 40"	PA 110	A heavy weight, dimensional asphalt shingle.	

3. LIMITATIONS

- 3.1 Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
- 3.2 Shall not be installed on roof mean heights in excess of 33 ft.

4. INSTALLATION

- 4.1 Shingles shall be installed in compliance with Miami-Dade County Product Control Shingle Installation Procedure No. 115.
- 4.2 Flashing shall be in accordance with Section 9.3 Option "B" (Step-Flashing) of Miami-Dade County Product Control Shingle Installation Procedure No. 115.
- 4.3 The manufacturer shall provide clearly written application instructions.
- 4.4 Exposure and course layout shall be in compliance with Detail 'A', attached.
- 4.5 Nailing shall be in compliance with Detail 'B', attached.

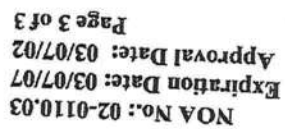
5. LABELING

- 5.1 Shingles shall be labeled with the Miami-Dade Logo or the wording "Miami-Dade County-Product Control Approved".

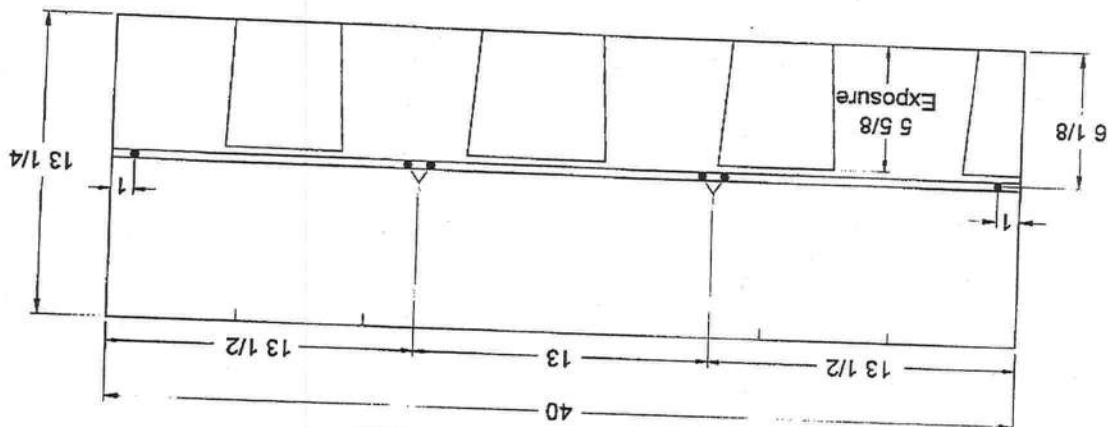
BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
 - 6.1.1 This Notice of Acceptance.
 - 6.1.2 Any other documents required by the Building Official or the applicable Building Code in order to properly evaluate the installation of this system.



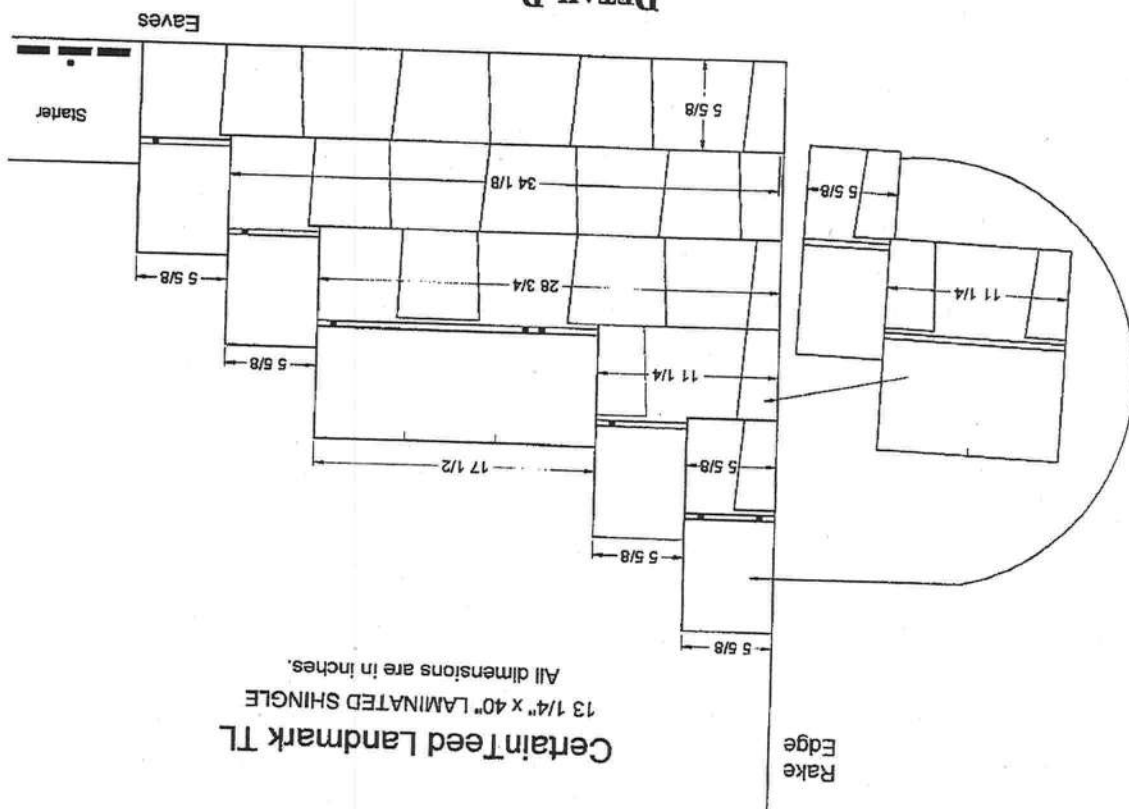


END OF THIS ACCEPTANCE



CertainTeed Landmark TL
13 1/4" x 40" LAMINATED SHINGLE
All dimensions are in inches.

DETAIL B



DETAIL A

CertainTeed Landmark TL
13 1/4" x 40" LAMINATED SHINGLE
All dimensions are in inches.

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

NOTICE OF ACCEPTANCE (NOA)

CertainTeed Corporation
1400 Union Meeting Road
Blue Bell, PA 19422

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (in Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: CertainTeed CT 20, CT 20 AR, XT-25, XT-25 AR, XT-30, XT-30 AR and Patriot™ AR Three Tab Shingles

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISING: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 4.

The submitted documentation was reviewed by Frank Zuloaga, RRC



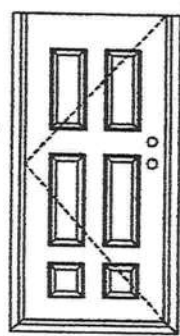
NOA No.: 02-1216.05
Expiration Date: 06/14/06
Approval Date: 03/06/03
Page 1 of 4

Insulating Single
6 Panel

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0

United States unless specified threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

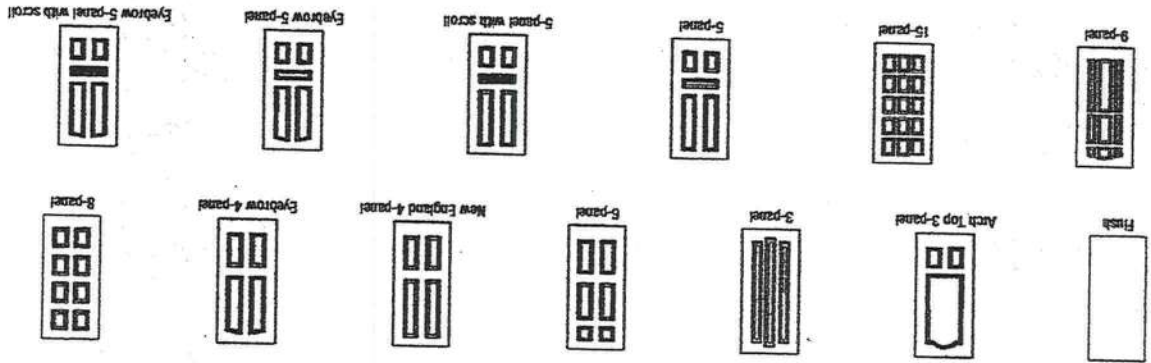
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0001-02.

APPROVED DOOR STYLES:



Johnson
EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, designs and product details subject to change without notice.

PREMIER
Premium Quality Doors
Exclusively from
Masonite
Masonite International Corporation

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA201 & PA203
COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt J. Baltrazor

State of Florida, Professional Engineer
Kurt Baltrazor, P.E. - License Number 56533

Johnson
EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product details subject to change without notice.

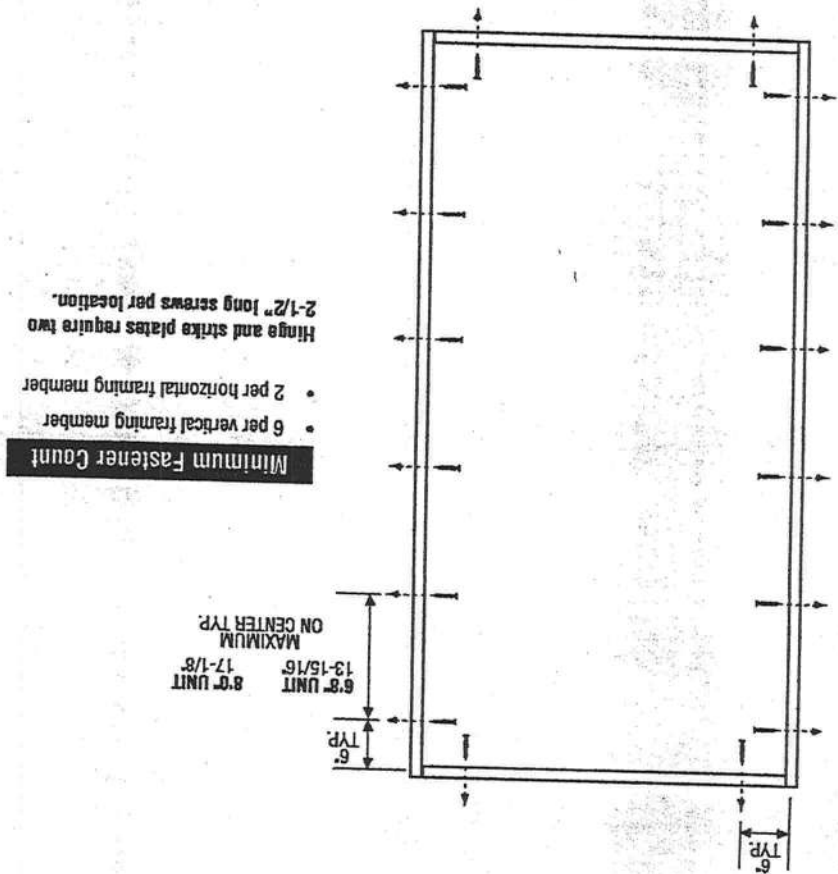
PREMIER
Premium Quality Doors

Masonite
Exclusively from
Masonite International Corporation

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 3146, 3161 or 3166
- Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel - (1) at top and (1) at bottom.

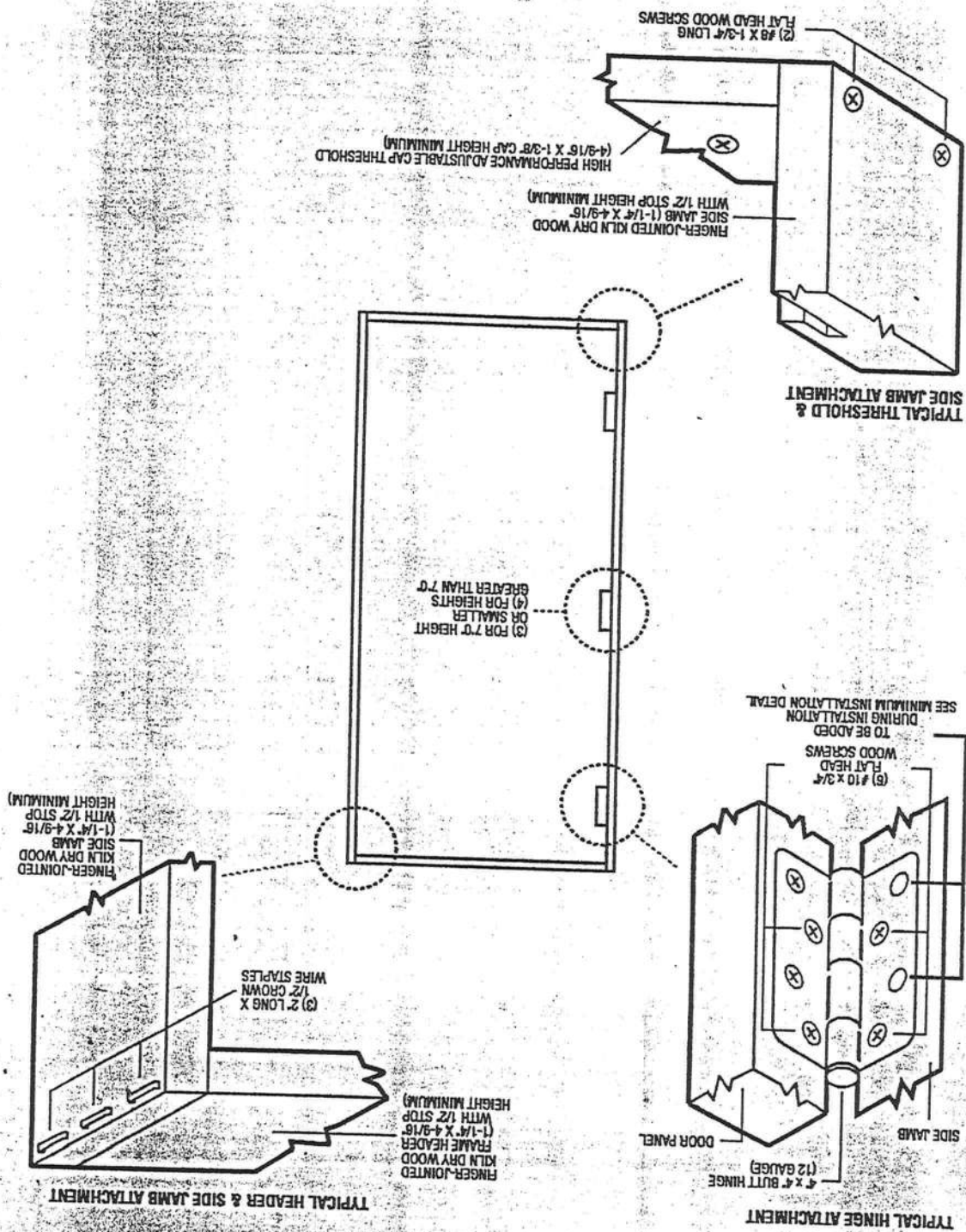
Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/APF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Unit
X

MAD-WL-MA0001-02

INSWING UNIT WITH SINGLE DOOR





Corporate Headquarters:
650 West Market St.
Graz, PA 17030-0370
(717) 365-3300

MI Home Products or its representatives are unable to control and cannot assume responsibility for the selection and placement of their products in a building or structure in a manner required by laws, statutes, and/or building codes. The purchaser is solely responsible for knowledge of and adherence to the same. MI Home Products window products are not provided with safety glazing unless specifically ordered with such. Many laws and codes require safety glazing near doors, bathtubs, and shower enclosures. Also be aware of emergency egress code requirements.

- CAUTION -

1. Handle units one at a time in the closed and locked position and take care not to scratch frame or glass or to bend the nailing fin.
 2. Set unit plumb and square into opening and make sure that there is $3/16" \pm 1/16"$ clearance around the frame. Fasten unit into opening in the closed and locked position, making sure that fasteners are screwed in straight in order to avoid twisting or bowing of the frame. Make sure that sill is straight and level. Check operation of unit before any and all fasteners are set.
 3. Use # 8 sheet metal or wood screws with a minimum of 1" penetration into the framing (stud). Place first screws (two at each corner) 3" from end of fin. For positive and negative DPs (design pressures) up to 35, do not exceed 24" spacing of additional screws. For DPs from 35.1 to 50, do not exceed 18". Install load bearing shim adjacent to each anchor. Use shim where space exceeds 1/16".
 4. Flash over head and caulk outside perimeter in accordance with code requirements and good installation practices.
 5. Fill voids between frame and construction with loose batten type insulation or non-expanding aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of expanding aerosol type insulating foam, which can bow the frame, waives all stated warranties.
 6. Remove plaster, mortar, paint and any other debris that may have collected on the unit and make sure that sash/window tracks and interlocks are also clear. Do not use abrasives, solvents, ammonia, vinegar, alkaline, or acid solutions for clean-up, especially with insulated glass units as their use could cause chemical breakdown of the glass seal. Take care not to scratch glass; scratches severely weaken glass and it could eventually break from thermal expansion and contraction. Clean units with water and mild detergent as you would your automobile.
- MI Home Products appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition - proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function.

MI HOME PRODUCTS - PRIME ALUMINUM WINDOWS - INSTALLATION INSTRUCTIONS FOR "NAIL FIN" PRODUCTS

Copy 1 of 1

AAMA/NWDA 101/1.S.2-97
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf
Operating Force	-47.2 psf
Air Infiltration	11 lb max.
Water Resistance	0.13 cfm/ft ²
Structural Test Pressure	6.00 psf
Deglazing	+67.5 psf
Forced Entry Resistance	-70.8 psf
	Passed
	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess

Mark A. Hess, Technician

MAH:mb



Architectural Testing

AAMA/NWDA 101/S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethtown, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWDA 101/S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

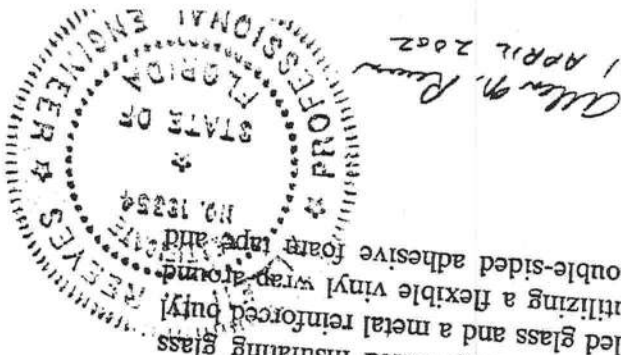
Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl gasket. The fixed lite was interior glazed utilizing a flexible vinyl wrap-around foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com



Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash styles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of styles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

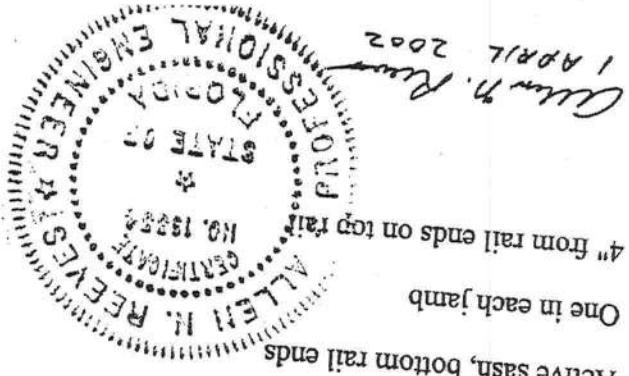
Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper	2	Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max
Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.			
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" 0.43"	0.26" max. 0.26" max.
*Exceeds L/175 for deflection, but passes all other test requirements.			
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.



Allen H. Reeves
1 APRIL 2002

Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
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2.2.1.6.2	Deglazing Test (ASTM E 987)	In operating direction at 70 lbs	
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		

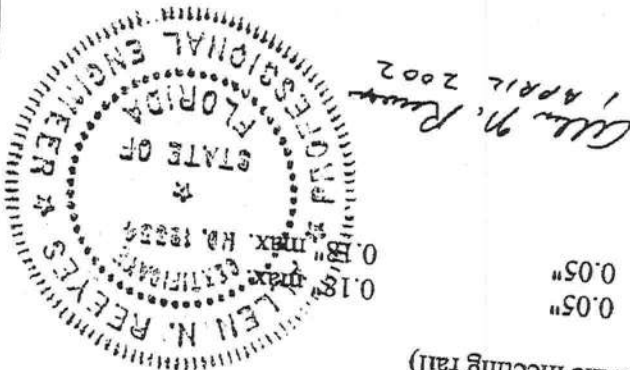
Type: A	No entry	No entry
Grade: 10	No entry	No entry
Lock Manipulation Test	No entry	No entry
Tests A1 through A5	No entry	No entry
Test A7	No entry	No entry
Lock Manipulation Test	No entry	No entry

Optional Performance

4.3

Water Resistance (ASTM E 547-00)	No leakage	No leakage
(with and without screen)		
WTP = 6.00 psf		
Uniform Load Deflection (ASTM E 330-97)		
(Measurements reported were taken on the meeting rail)		
@ 45.0 psf (positive)	0.47"	0.26" max.
@ 47.2 psf (negative)	0.46"	0.26" max.
*Exceeds L/175 for deflection, but passes all other test requirements.		

Uniform Load Structural (ASTM E 330-97)	
(Measurements reported were taken on the meeting rail)	
(Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"





MAH:mb
01-41134.01

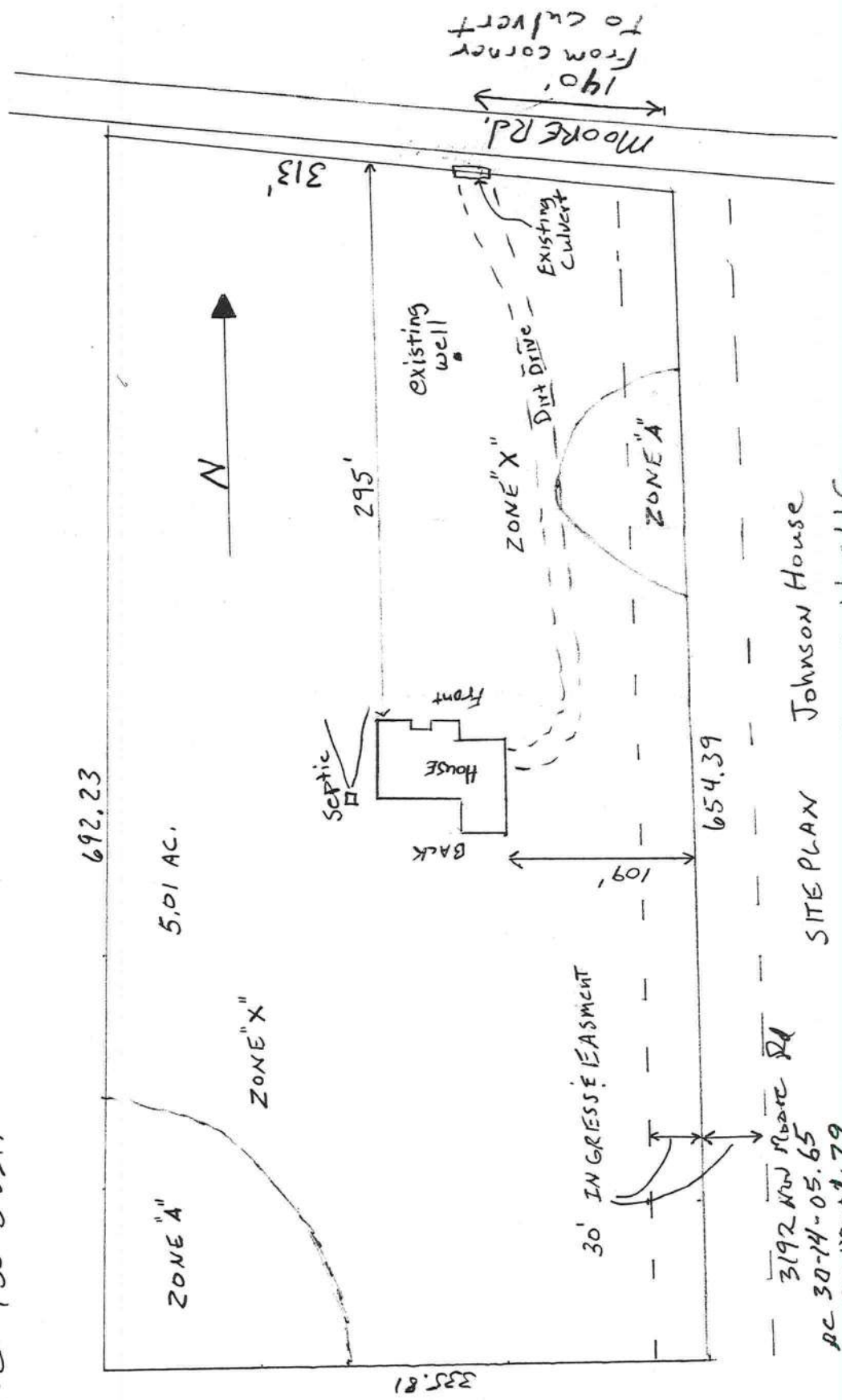
Mark A. Hess
Technician

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002

For ARCHITECTURAL TESTING, INC:

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

J. Milton
POC: 755 5827



SITE PLAN Johnson House
Jay Milton, Milton Builders LLC.

3192 NW Moore Rd
DC 30-14-05.65
82-42-02.79

THIS INSTRUMENT WAS PREPARED BY:

Recording fee \$ 10.50
Documentary stamp \$ 63.80

TERRY MCDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328
RETURN TO:

TERRY MCDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328
02-532
Property Appraiser's
Parcel Identification No.
02126-003

WARRANTY DEED

THIS INDENTURE, made this 14th day of August, 2001, BETWEEN

TERRY M. KELLY, who does not reside on the property described below, whose post office address is Post Office Box 1116, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantor*, and DOUGLAS JOHNSON and his wife, DELIA MAXWELL JOHNSON, whose post office address is Post Office Box 3381, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

TOWNSHIP 3 SOUTH - RANGE 16 EAST

SECTION 15: A part of the W 1/2 of the NW 1/4 of the NE 1/4 of Section 15, Township 3 South, Range 16 East being more particularly described as follows: Commence at the SW corner of said W 1/2 and run N 00°25'58" W, along said West line a distance of 547.44 feet to the Point of Beginning; thence N 00°25'58" W, along said West line a distance of 692.23 feet to the South maintained right-of-way of Moore Road; thence S 85°13'22" E, along said right-of-way a distance of 313.84 feet; thence S 02°27'29" E, a distance of 654.39 feet; thence S 87°54'13" W, a distance of 335.81 feet to the Point of Beginning. Columbia County, Florida.

GRANTOR RESERVES an easement for utilities and ingress and egress 30 feet to the right and 30 feet to the left as measured perpendicularly to the following described centerline: Commence at the SW corner of the NW 1/4 of the NE 1/4 of Section 15, Township 3 South, Range 16 East, and run thence N 00°25'58" W, 547.44 feet; thence N 87°54'13" E, 355.81 feet to the Point of Beginning of said centerline; thence N 02°27'29" W, 654.39 feet to the South right-of-way of Moore Road, said being the Point of Termination. Said easement shall extend to, but not encroach into, the South right-of-way of Moore Road.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

N.B. Neither the Grantor nor any member of his family live or reside on the property described herein or any land adjacent thereto or claim any part thereof or any land adjacent thereto as their homestead.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

McEithan F. Brown
(First Witness)

Debbie F. Brown
Printed Name

(Second Witness)

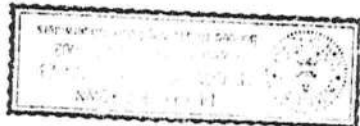
Crystal L. Brunner
Printed Name

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 14th day of August, 2002, by TERRY M. KELLY, who is personally known to me and who did not take an oath.

My Commission Expires:

McEithan F. Brown
Notary Public
Printed, typed, or stamped name:



Doc Stamp-Deed: 163.60
Tact:2002012396 Date:08/19/2002 Time:09:22:38
DC.P. DeWitt Cason, Columbia County B:960 P:1257

TERRY M. KELLY
(SEAL)

NOTICE OF COMMENCEMENT

RETURN TO
Terry McDavid
P. O. Box 1328
Lake City, FL 32056-1328

PERMIT NO. _____ TAX FOLIO NO. _____
The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property: SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

2. General description of improvement: Construction of Dwelling

3. Owner information:
a. Name and address: Douglas Johnson and Delta Maxwell Johnson
1568 NE Bascom Norris Drive, Lake City, FL 32055

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner): NONE

4. Contractor (name and address): Milton Builders, LLC
1296 SW Ridge Street, Lake City, FL 32025

5. Surety:
a. Name and address: _____
b. Amount of bond: _____

6. Lender: FIRST FEDERAL SAVINGS BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE

8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West U.S. Highway 90 / P. O. Box 2029, Lake City, Florida 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

Borrower Name: Delta M. Johnson
Co-Borrower Name: Sr.

The foregoing instrument was acknowledged before me this 19th day of October 2005, by Delta M. Johnson & Douglas Johnson, who is personally known to me or who has produced driver's license for identification.
Notary Public
My Commission Expires:





STATE OF FLORIDA COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DEWITT CASON, CLERK OF COURTS
By Manuel River
Date Oct 28, 2005

SECTION 15: A part of the W 1/2 of the NW 1/4 of the NE 1/4 of Section 15, Township 3 South, Range 16 East being more particularly described as follows: Commence at the SW corner of said W 1/2 and run thence N 00°25'58" W, along said West line a distance of 547.44 feet to the Point of Beginning; thence N 00°25'58" W, along said West line a distance of 692.23 feet to the South maintained right-of-way of Moore Road; thence S 85°13'22" E, along said right-of-way a distance of 313.84 feet; thence S 02°27'29" E, a distance of 654.39 feet; thence S 87°54'13" W, a distance of 335.81 feet to the point of Beginning. Columbia County, Florida.

TOWNSHIP 3 SOUTH - RANGE 16 EAST

EXHIBIT "A"

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:ISS8487-Z0218081058

Truss Fabricator: Anderson Truss Company
Job Identification: 5-482-MILTON BUILDERS / DOUG & DELIA JOHNSON

Truss Count: 56

Model Code: Florida Building Code

Truss Criteria: ANSI/TPI-2002(STD)/FBC

Engineering Software: Alpine Software, Version 7.04.

Structural Engineer of Record:

Address:

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-98 - 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: HCUSR487

Details: BRCLBSUB-CNBRGBLK-A11015EC-GBLLETIN

#	Ref	Description	Drawing#	Date
1	31982--H17A	05321008	11/17/05	11/17/05
2	31983--H19A	05321009	11/17/05	11/17/05
3	31984--H21A	05321010	11/17/05	11/17/05
4	31985--H23A	05321011	11/17/05	11/17/05
5	31986--A	05321017	11/17/05	11/17/05
6	31987--A1	05321018	11/17/05	11/17/05
7	31988--A2	05321019	11/17/05	11/17/05
8	31989--A3	05321020	11/17/05	11/17/05
9	31990--A4	05321021	11/17/05	11/17/05
10	31991--A5	05321022	11/17/05	11/17/05
11	31992--A6	05321023	11/17/05	11/17/05
12	31993--A7	05321024	11/17/05	11/17/05
13	31994--A8	05321025	11/17/05	11/17/05
14	31995--A9	05321026	11/17/05	11/17/05
15	31996--A10	05321027	11/17/05	11/17/05
16	31997--A11	05321028	11/17/05	11/17/05
17	31998--H15A	05321029	11/17/05	11/17/05
18	31999--H9A	05321030	11/17/05	11/17/05
19	32000--H11A	05321031	11/17/05	11/17/05
20	32001--H13A	05321032	11/17/05	11/17/05
21	32002--H7A	05321033	11/17/05	11/17/05
22	32003--H15B	05321034	11/17/05	11/17/05
23	32004--H13B	05321035	11/17/05	11/17/05
24	32005--H11B	05321036	11/17/05	11/17/05
25	32006--H9B	05321037	11/17/05	11/17/05
26	32007--H7B	05321038	11/17/05	11/17/05
27	32008--B1	05321039	11/17/05	11/17/05
28	32009--H19B	05321040	11/17/05	11/17/05
29	32010--H17B	05321041	11/17/05	11/17/05
30	32011--C-1	05321042	11/17/05	11/17/05
31	32012--H7C	05321043	11/17/05	11/17/05
32	32013--H9C	05321012	11/17/05	11/17/05
33	32014--H11C	05321013	11/17/05	11/17/05
34	32015--C	05321014	11/17/05	11/17/05
35	32016--CS	05321015	11/17/05	11/17/05
36	32017--H7D	05321060	11/17/05	11/17/05

#	Ref	Description	Drawing#	Date
37	32018--H9D	05321044	11/17/05	11/17/05
38	32019--D-1	05321061	11/17/05	11/17/05
39	32020--H3E	05321045	11/17/05	11/17/05
40	32021--E-1	05321062	11/17/05	11/17/05
41	32022--FGE	05321046	11/17/05	11/17/05
42	32023--F	05321016	11/17/05	11/17/05
43	32024--F-1	05321063	11/17/05	11/17/05
44	32025--HJ7	05321047	11/17/05	11/17/05
45	32026--HJ3	05321048	11/17/05	11/17/05
46	32027--CJ3	05321049	11/17/05	11/17/05
47	32028--CJ5	05321050	11/17/05	11/17/05
48	32029--EJ7	05321051	11/17/05	11/17/05
49	32030--CJ1	05321052	11/17/05	11/17/05
50	32031--EJ71	05321053	11/17/05	11/17/05
51	32032--EJ72	05321054	11/17/05	11/17/05
52	32033--M4	05321055	11/17/05	11/17/05
53	32034--M3	05321056	11/17/05	11/17/05
54	32035--M	05321057	11/17/05	11/17/05
55	32036--M1	05321058	11/17/05	11/17/05
56	32037--M2	05321059	11/17/05	11/17/05

Scale: 11/18/2005
Arthur R. Fischer
-Truss Design Engineer-
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: ISS8487-Z0218081058

Truss Fabricator: Anderson Truss Company
Job Identification: 5-482-MILTON BUILDERS / DOUG & DELIA JOHNSON
Truss Count: 1
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.04.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 - 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: HCUSR487

Revised Trusses

#	Ref	Description	Drawing#	Date
1	32022--FGE		05321046	11/17/05

Seal Date: 11/18/2005

-Truss Design Engineer-

Arthur R. Fisher

Florida License Number: 59687

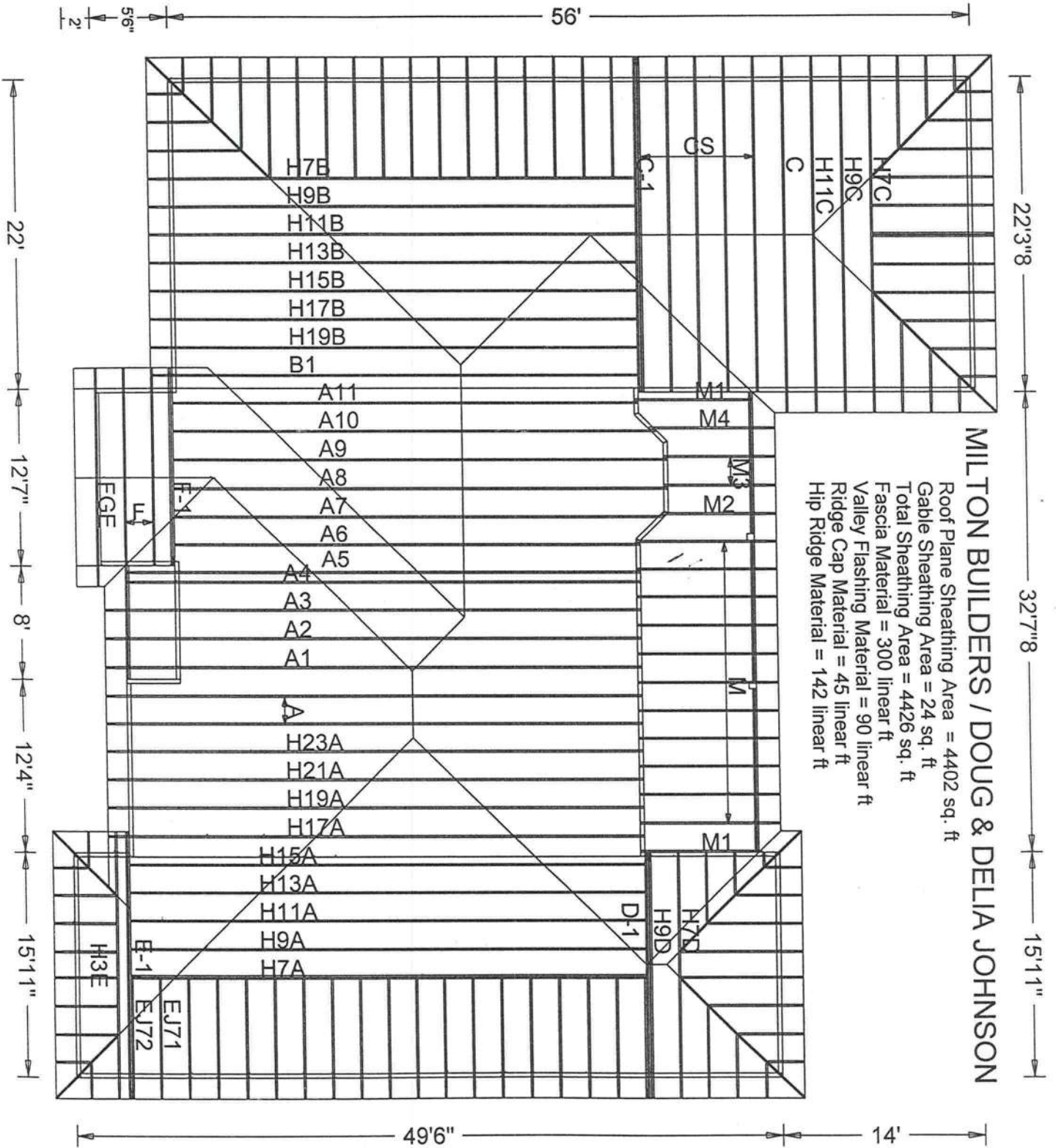
1950 Marley Drive

Haines City, FL 33844

ALPINE



755-5827



MILTON BUILDERS / DOUG & DELIA JOHNSON

Roof Plane Sheathing Area = 4402 sq. ft
Gable Sheathing Area = 24 sq. ft
Total Sheathing Area = 4426 sq. ft
Fascia Material = 300 linear ft
Valley Flashing Material = 90 linear ft
Ridge Cap Material = 45 linear ft
Hip Ridge Material = 142 linear ft

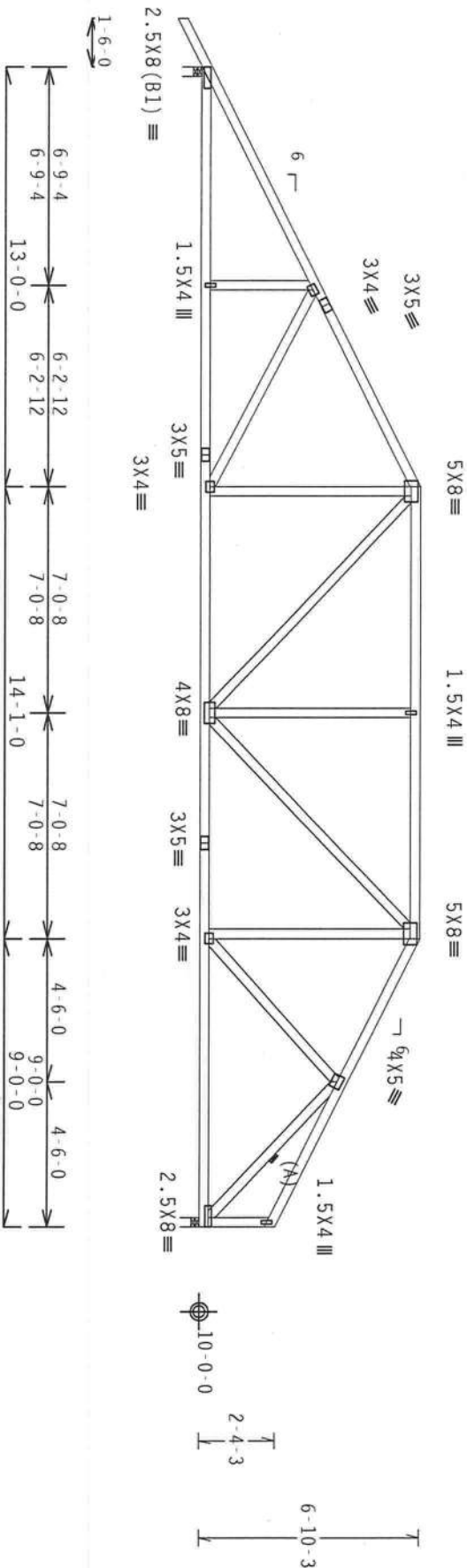
JOB NO: 5-482	DESIGNED BY:	JOB DESCRIPTION: MILTON BUILDERS / DOUG & DELI	JOB LOCATION:
------------------	--------------	---	---------------

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

110 mph wind, 13.22 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.



36-1-0 Over 2 Supports
R=1591 U=277 W=3.5"
R=1481 U=254 W=3.5"

PLT TYP. Wave

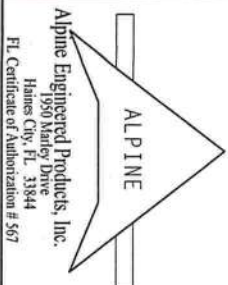
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.04.08

Scale = .1875"/ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 508 MADISON, VT 05719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AAI) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/19/16GA (P/H/S/E) ASH 6553 GRADE 40/60 (Q, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF THUS 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. SILENT FOR THE TRUSS COMPONENT DESIGNER. THE SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL/-/3/-/-/R/-		Scale = .1875"/ft.	
TC LL	20.0 PSF	REF	R487-- 31982
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321008
BC LL	0.0 PSF	HC-ENG	DF/AF *
TOT.LD.	40.0 PSF	SEON-	16004
DUR.FAC.	1.25		
SPACING-	24.0"	JREF-	1SS8487_202

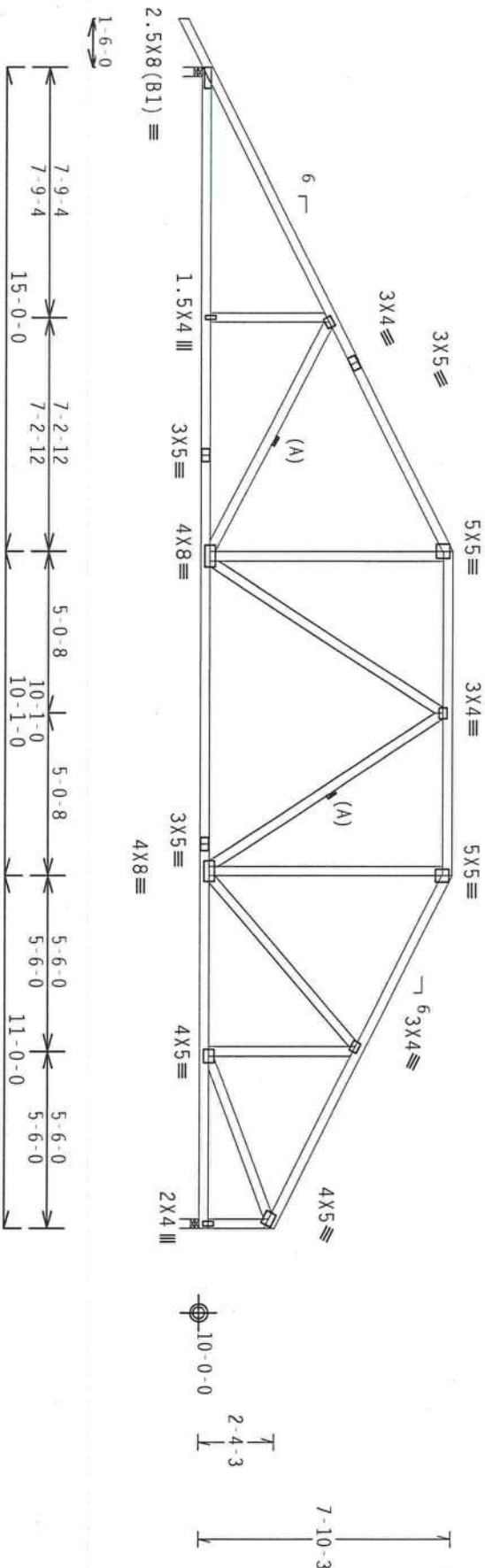
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 13.72 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.



R=1592 U=274 W=3.5"
R=1480 U=252 W=3.5"

PLT TYP. Wave

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

QTY:1

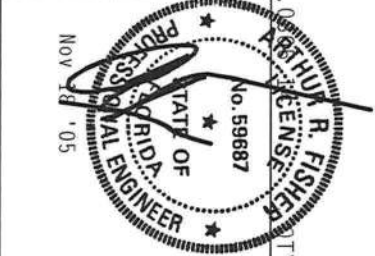
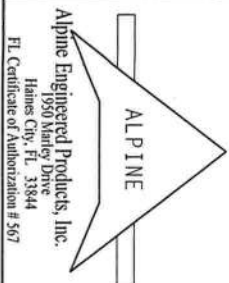
FL/-/3/-/R/-

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BEFORE ANY TRUSS IS USED, THE USER MUST BE SURE THAT THE TRUSS IS IN GOOD CONDITION, AND THAT THE TRUSS IS BEING USED IN ACCORDANCE WITH THE DESIGN. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND BRACING OF THE TRUSS. THE USER 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/PA) AND TPI. ALPINE

CONNECTION PLATES ARE MADE OF 20/18/16GA (44/45/50) ASTM A653 GRADE 40/60 (44/45/50) 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 ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SILENT FOR THE TRUSS COMPONENT DESIGN. THE USER SHALL BE RESPONSIBLE FOR THE PROPER USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1 SEC. 2.



TC LL	20.0 PSF	REF	R487--	31983
TC DL	10.0 PSF	DATE	11/17/05	
BC DL	10.0 PSF	DRW	HCUSR487	05321009
BC LL	0.0 PSF	HC-ENG	DF/AF	*
TOT.LD.	40.0 PSF	SEQN-	16009	
DUR.FAC.	1.25			
SPACING	24.0"	UREF-	ISS8487_202	

(C) 402-MILION BUILDINGS / DOBBA & DELINQUENT (21A)

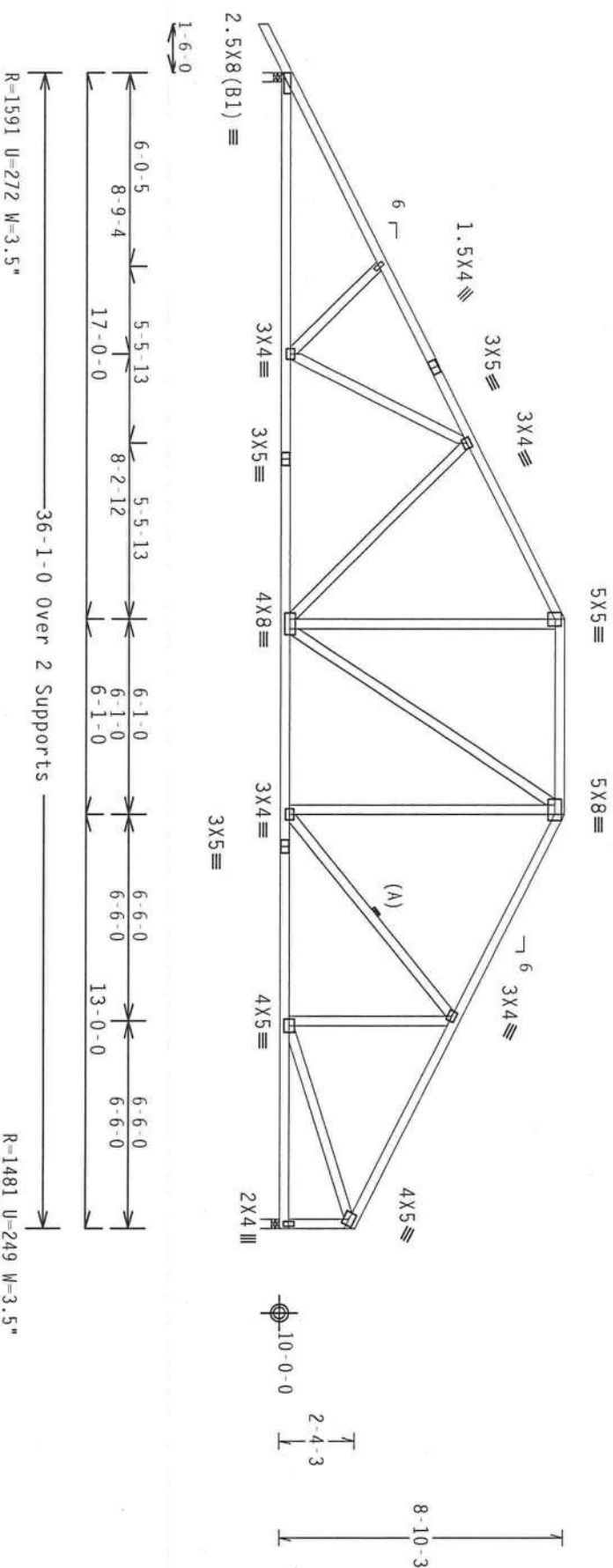
	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense	
	webs	2x4	SP	#3		

110 mph wind, 14.22 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.



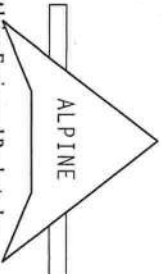
PLT TYP. Wave

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

7.04.080611

FL/-/3/-/-/R/-/

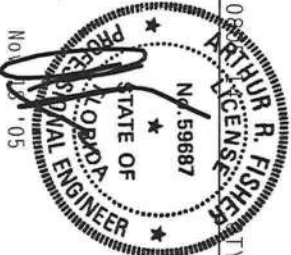
Scale = .1875"/Ft.



Alpine Engineered Products, Inc.

720 Manly Drive
Haines City, FL 33844

FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487-- 31984
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUR487 05321010
BC LL	0.0 PSF	HC-ENG	DF/AF *
TOT.LD.	40.0 PSF	SEQN-	16014
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_202

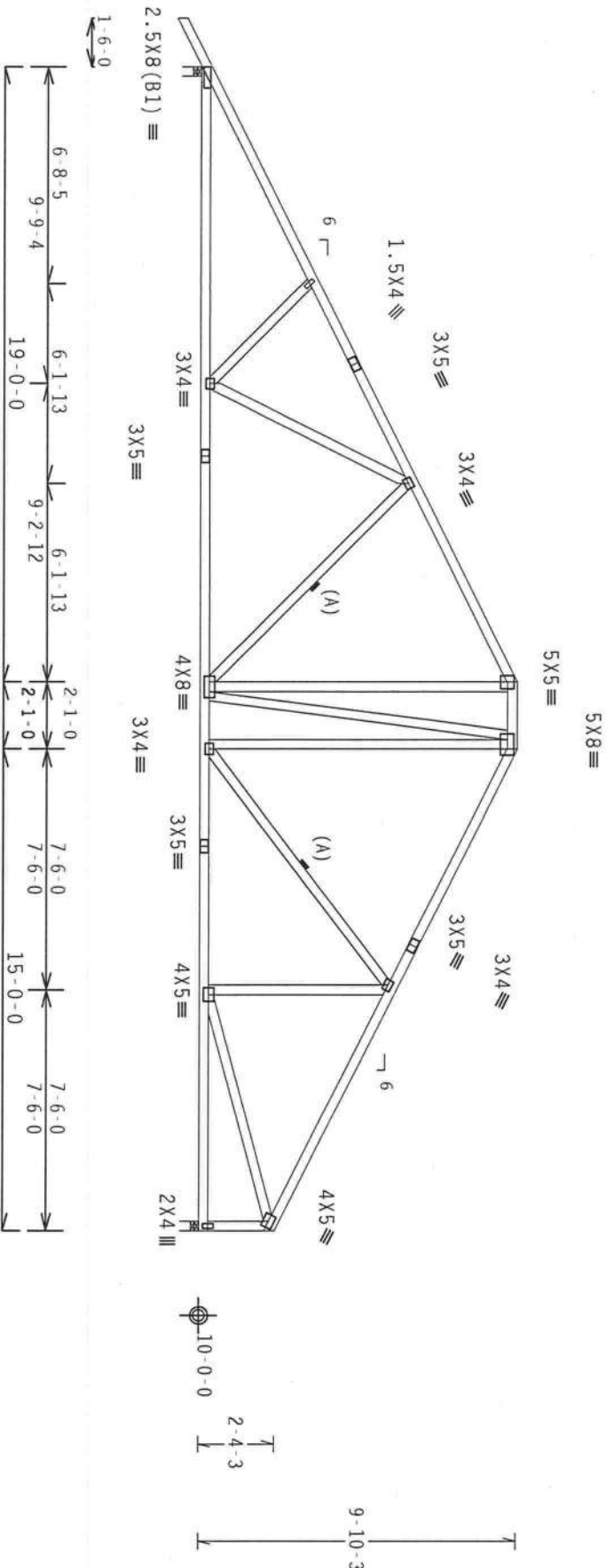
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 14.72 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.



R=1590 U=269 W=3.5"

R=1482 U=247 W=3.5"

PLT TYP. Wave

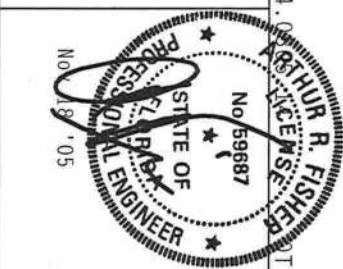
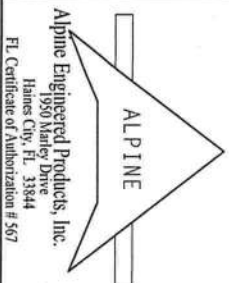
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.04.00

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I 1-03 (BOLTING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 543 HUNTER DRIVE, SUITE 200, WILSONVILLE, OR 97150) FOR ADDITIONAL INFORMATION. TRUSSES SHALL BE FABRICATED, HANDLED, SHIPPED, INSTALLED AND BRACED IN ACCORDANCE WITH THE TPI (TRUSS PLATE INSTITUTE) PRACTICES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

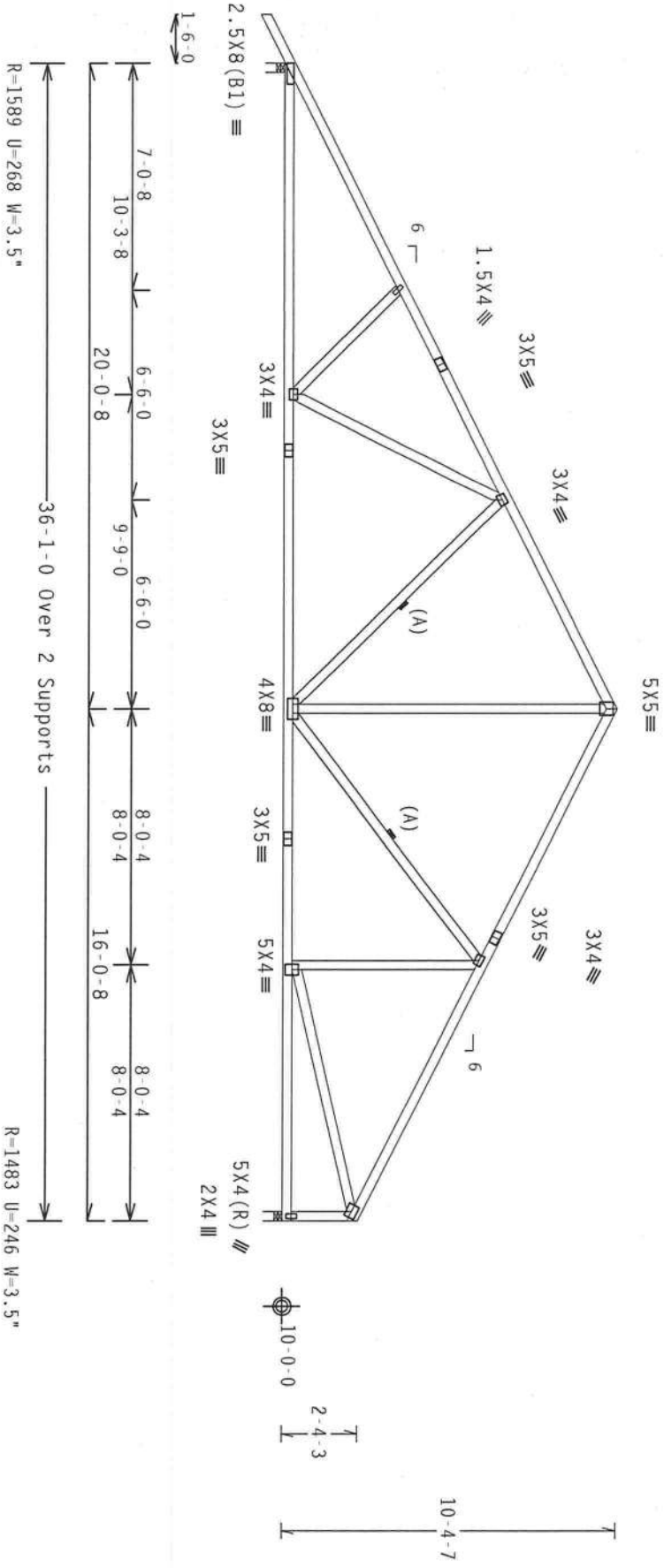
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (G/H/S/X) ASTM A653 GRADE 40/60 (G, 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 (C) 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 A831/1971 SEC. 2.



TC LL	20.0 PSF	REF R487--	31985
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW HCUSR487	05321011
BC LL	0.0 PSF	HC-ENG DF/AF	*
TOT. LD.	40.0 PSF	SEQN-	16021
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_202

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.



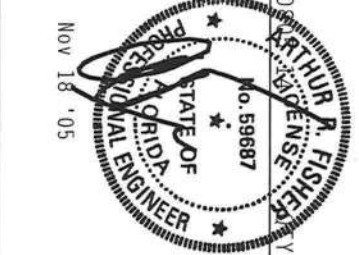
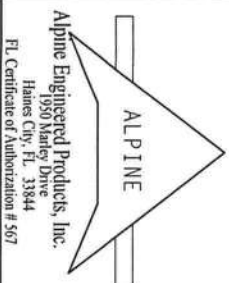
PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL TRUSSES MUST BE DESIGNED AND ENGINEERED TO MEET ALL APPLICABLE CODES AND STANDARDS. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN AND THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS FABRICATION. THE TRUSS MANUFACTURER 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 TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AISC 360) AND AISC 360S GRADE 40/60 (40, 60) 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 TP1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SOURCE. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



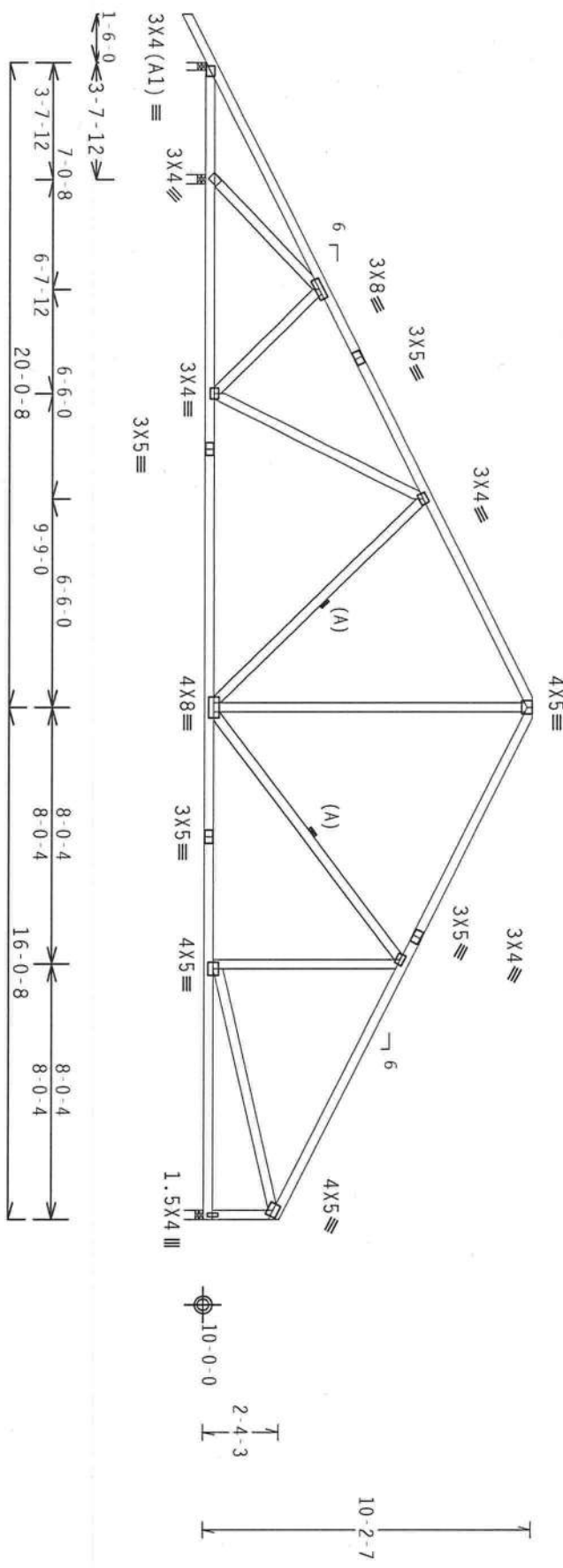
FL / - / 3 / - / - / R / -		Scale = .1875" / ft.	
TC LL	20.0 PSF	REF	R487 - 31986
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321017
BC LL	0.0 PSF	HC-ENG	DF / AF
TOT. LD.	40.0 PSF	SECON	16031
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1SS8487_202

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

110 mph wind, 14.90 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.



1-6'-0" 3-7'-12" 7-0'-8" 6-7'-12" 6-6'-0" 9-9'-0" 6-6'-0" 8-0'-4" 8-0'-4" 16'-0'-8" 8-0'-4" 8-0'-4"

R-143 U=180 W=3"

R-1602 U=258 W=3.5"

R=1327 U=216 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

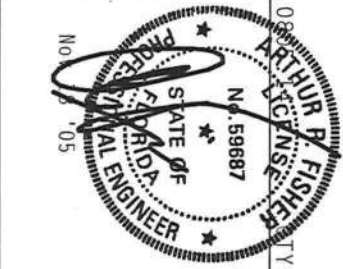
7.04.08

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I 1-303 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 568 N. 10TH ST., SUITE 100, WISCONSIN, 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 905 (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/19/1564 (44/45/51) ASH 6633 GRADE 40/60 (44, 45/51) 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. SILENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.



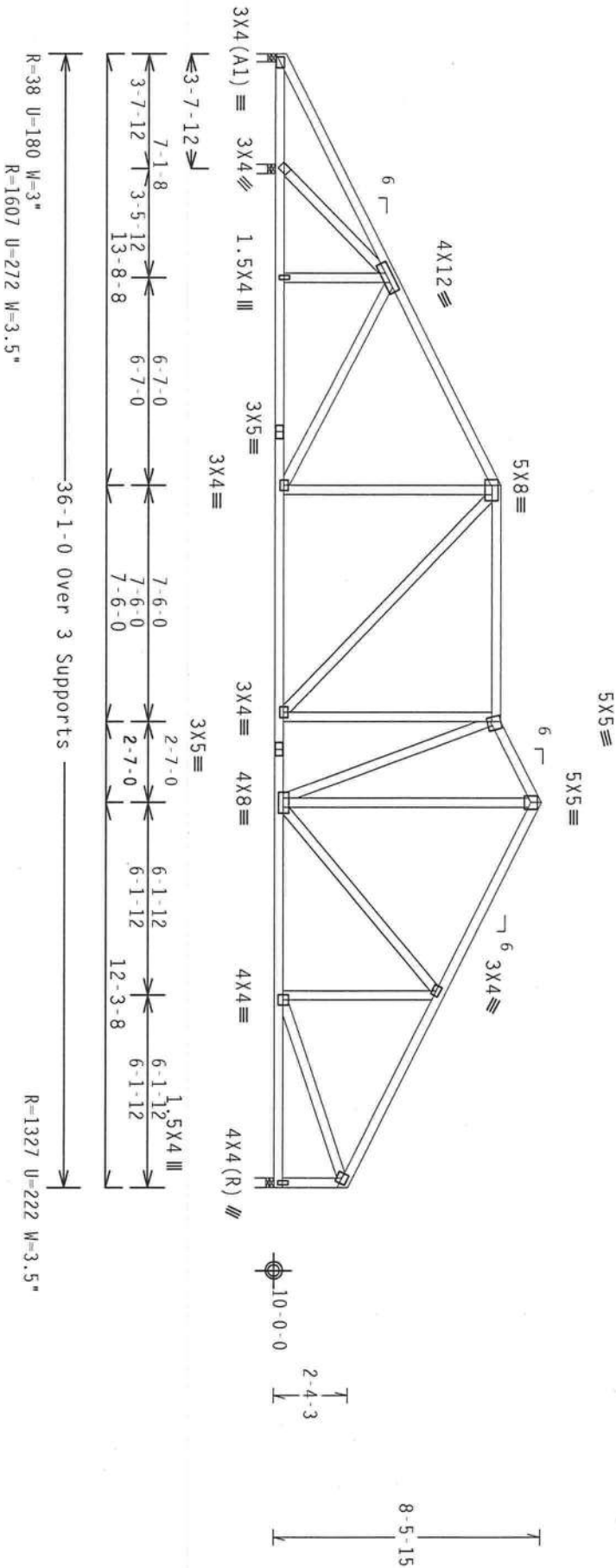
FL/-/3/-/-/R/-		Scale = .1875"/Ft.	
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TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321018
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN-	16036
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_202

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

110 mph wind, 14.42 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.



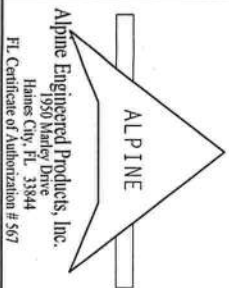
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

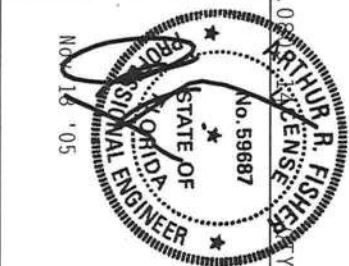
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 565 HARRISON, VT 05719) FOR SAFETY PRACTICES PRIOR TO PREPARING THESE TRUSSES. 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 CONFORMANCE WITH TPI: ON FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (24/16/5/4) ASH 6653 GRADE 40/60 (4, 4/16/5) 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. SURETY FOR THE TRUSS COMPONENT DESIGN AND CONSTRUCTION SHALL BE OBTAINED FROM THE SURETY COMPANY. THE SURETY COMPANY SHALL BE 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



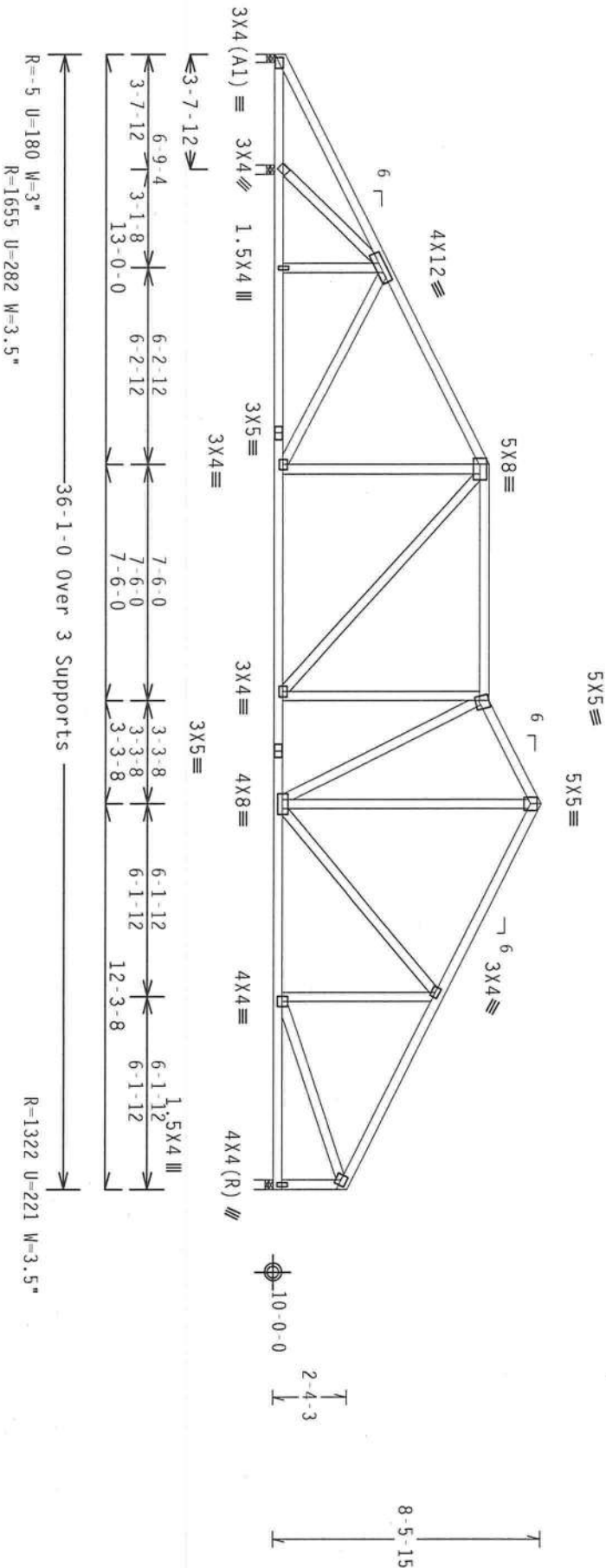
TC LL	20.0 PSF	REF R487--	31990
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW HCUSR487	05321021
BC LL	0.0 PSF	HC-ENG DF/AF	
TOT. LD.	40.0 PSF	SEON-	16051
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1SS8487_202

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

110 mph wind, 14.42 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC

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

7.04

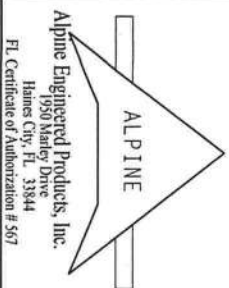
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES OUTLINING COMPONENT SAFETY. INFORMATION, PROVIDED BY TP1 (TRUSS PLATE INSTITUTE, 5835 PINEVIEW DRIVE, SUITE 100, DALLAS, TEXAS 75249) FOR SAFETY PRACTICES PRIOR TO PREPARING THESE TRUSSES. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

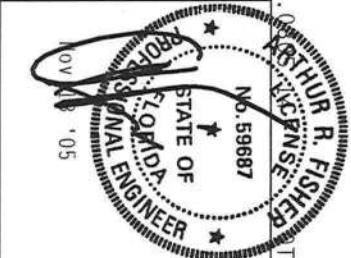
****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI: ON FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W.H/S/X) ASTM A653 GRADE 40/60 (Q, 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 TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SURETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



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



TC LL	20.0 PSF	REF R487-- 31991
TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUSR487 05321022
BC LL	0.0 PSF	HC-ENG DF/AF
TOT. LD.	40.0 PSF	SEON- 16056
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SS8487_202

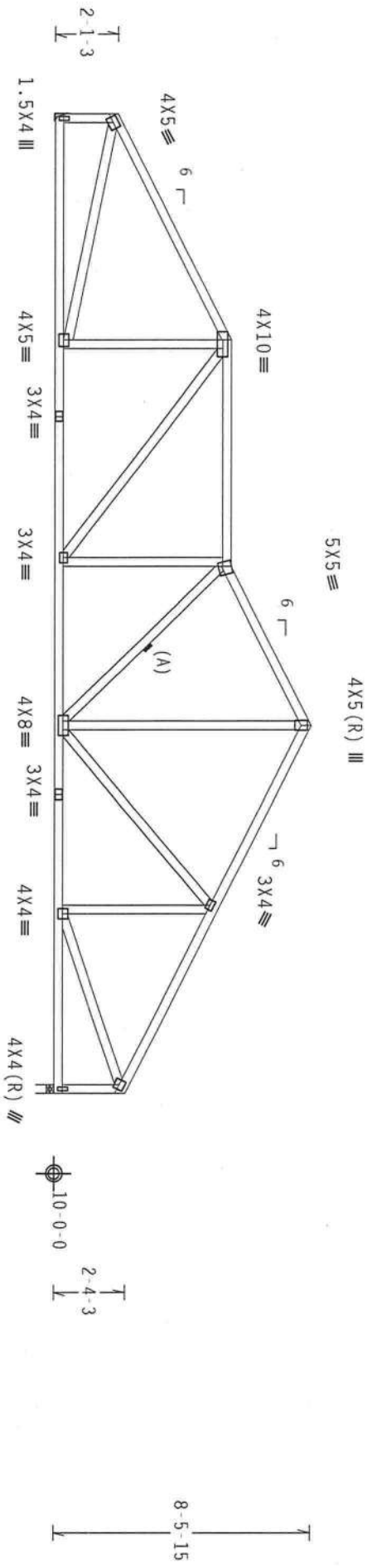
3-402 MILLION BUILDERS / DOUG & DELLA JOHNSON (NO)

110 mph wind, 15.29 ft mean hgt, ASCE 7-98, 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.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. Wave

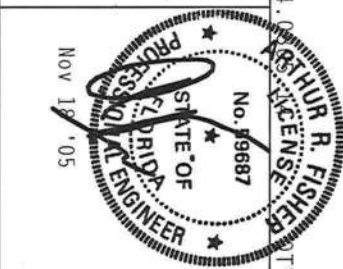
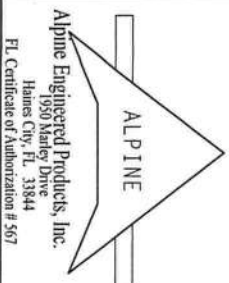
Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04

Scale = .1875"/Ft.

****WARNING**** TROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BOLTING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 HARRISON, UT 84701) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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 TROSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TROSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MD5 (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/160A (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROSS 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 TROSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



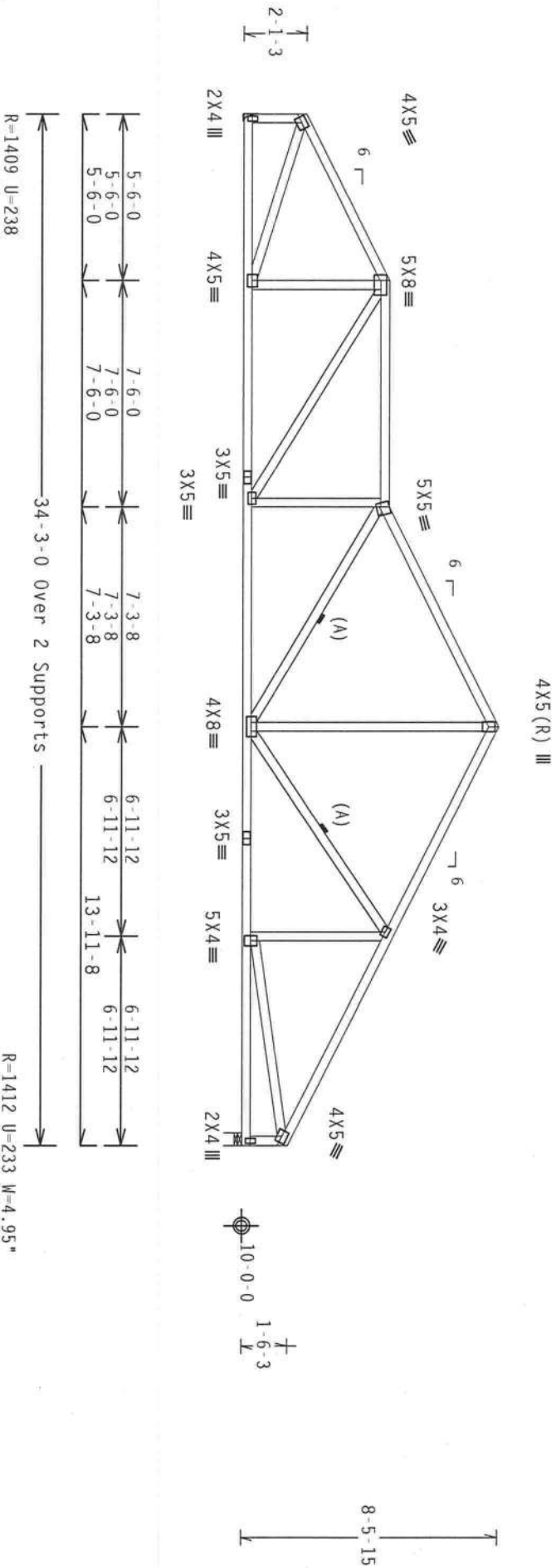
FL / - / 3 / - / - / R / -		Scale = .1875" / Ft.	
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TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321023
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT. LD.	40.0 PSF	SEQN-	16065
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_202

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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.

Left end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load.

(A) Continuous lateral bracing equally spaced on member.



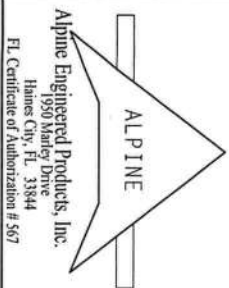
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BEFORE BEGINNING CONSTRUCTION, THE TRUSS DESIGNER MUST BE CONSULTED TO DETERMINE THE PROPER BRACING AND HANDLING PROCEDURES. THE TRUSS DESIGNER 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: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/Y) ASTM A653 GRADE 40/60 (Q, 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. SURETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

ARTHUR R. FISHER
LICENSED PROFESSIONAL ENGINEER
No. 59687
STATE OF FLORIDA
Nov 18 2005

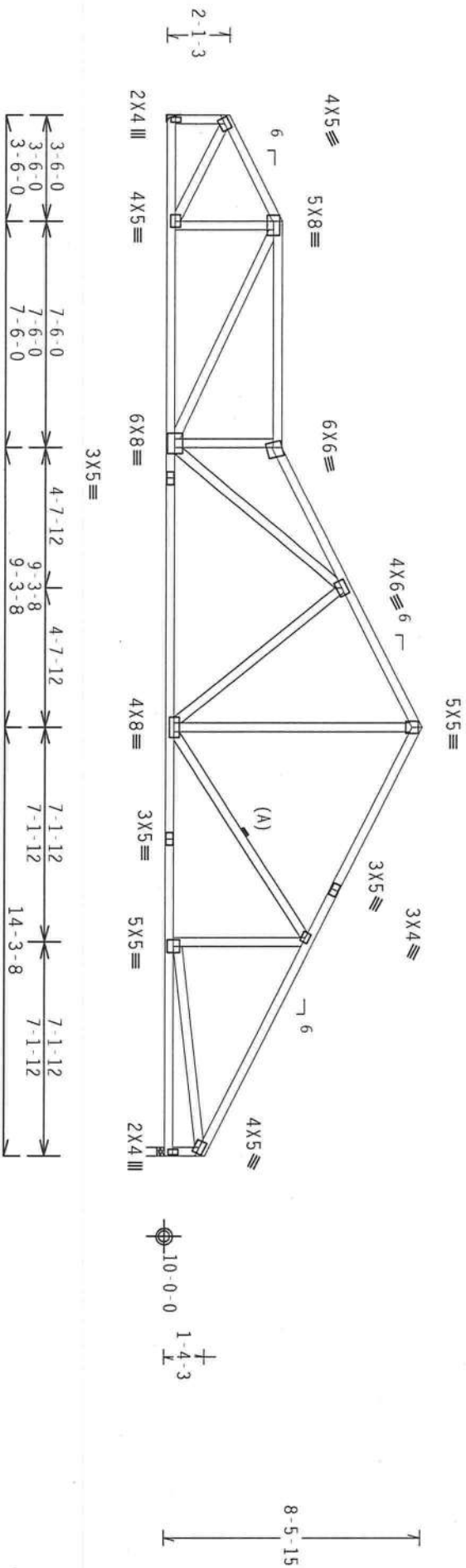
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TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW HCUSR487	05321024
BC LL	0.0 PSF	HC-ENG DF/AF	
TOT.LD.	40.0 PSF	SEON-	16072
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_202

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

Left end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load.

110 mph wind, 14.92 ft mean hgt, ASCE 7-98, 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.



34-7-0 Over 2 Supports $R=1427$ $U=235$ $W=3.5"$

PLT TYP. Wave

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

QTY:1

FL/-/3/-/-/R/-

Scale = .1875"/Ft.

WARNING: THIS IS NOT THE EXPIRE CARD IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND DRIPPING REFER TO BCS-1.03 (BUILDING COMPRESSOR SAFETY INFORMATION), UNLESS BY TPI (TROSS RATING INSTITUTE, 503 D'ORFORD RD., SUITE 200, MADISON, WI 53719) AND MECA (GOOD TROSS COUNCIL OF AMERICA, 6500 ENTERPRISE IN 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 END CEILING.

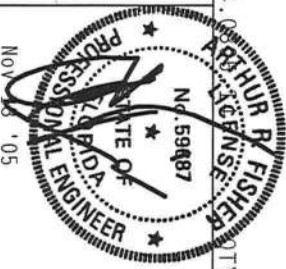
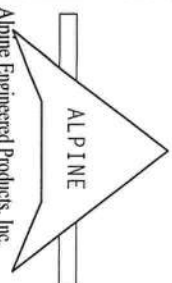
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR 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 CONNECTION PLATES ARE MADE OF 201/181/16GA (H, M/5/K) ASTM A653 GRADE 40/60 (H, K/1/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2



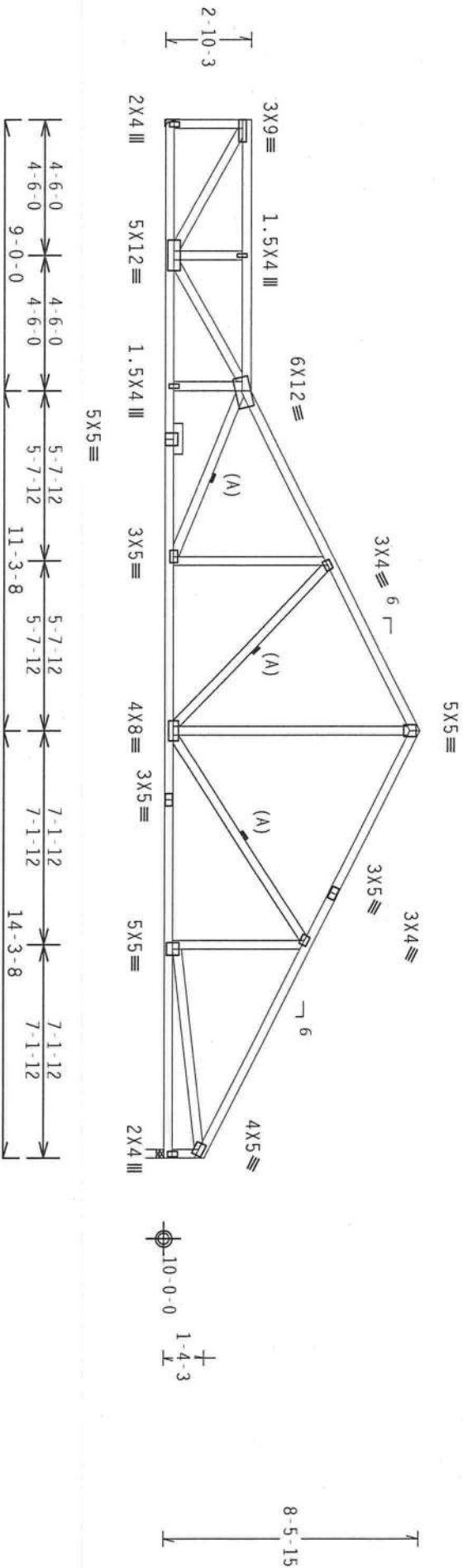
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TC DL	10.0 PSF	DATE	11/17/05	
BC DL	10.0 PSF	DRW	HCUSR487	05321025
BC LL	0.0 PSF	HC-ENG	DF/AF	
TOT.LD.	40.0 PSF	SEQN -	16080	
DUR.FAC.	1.25			
SPACING	24.0"	JREF -	1SS8487_202	

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:lt Splice Block 2x4 SP #3:

Left end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load.

110 mph wind, 14.92 ft mean hgt, ASCE 7-98, 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.

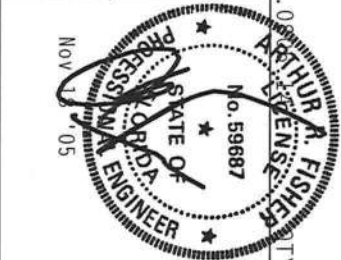
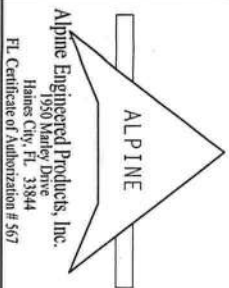
Max JT VERT DEFL: LL: 0.19" DL: 0.20" recommended camber 3/8"
(A) Continuous lateral bracing equally spaced on member.



PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.04.08 11/17/05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BOLTING, BRACING, ETC.) FOR SAFETY PRACTICES PRIOR TO PREPARING THESE TRUSSES. 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 CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 360-10 (AISC 360-10) AND AISC 360-10 (AISC 360-10). ALPINE CONNECTION PLATES ARE MADE OF 20/24/16GA (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-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. SILENT FOR THE TRUSS COMPONENT DESIGNER. THE SILENTING AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



FL / - / 3 / - / - / R / -		Scale = .1875" / Ft.	
TC LL	20.0 PSF	REF	R487 - 31995
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCSR487 05321026
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT. LD.	40.0 PSF	SEQN	16086
DUR. FAC.	1.25		
SPACING	24.0"	JREF	- 1SS8487_202

3-402 MILLION BUILDERS / DOUG & DELLA JOHNSON 410

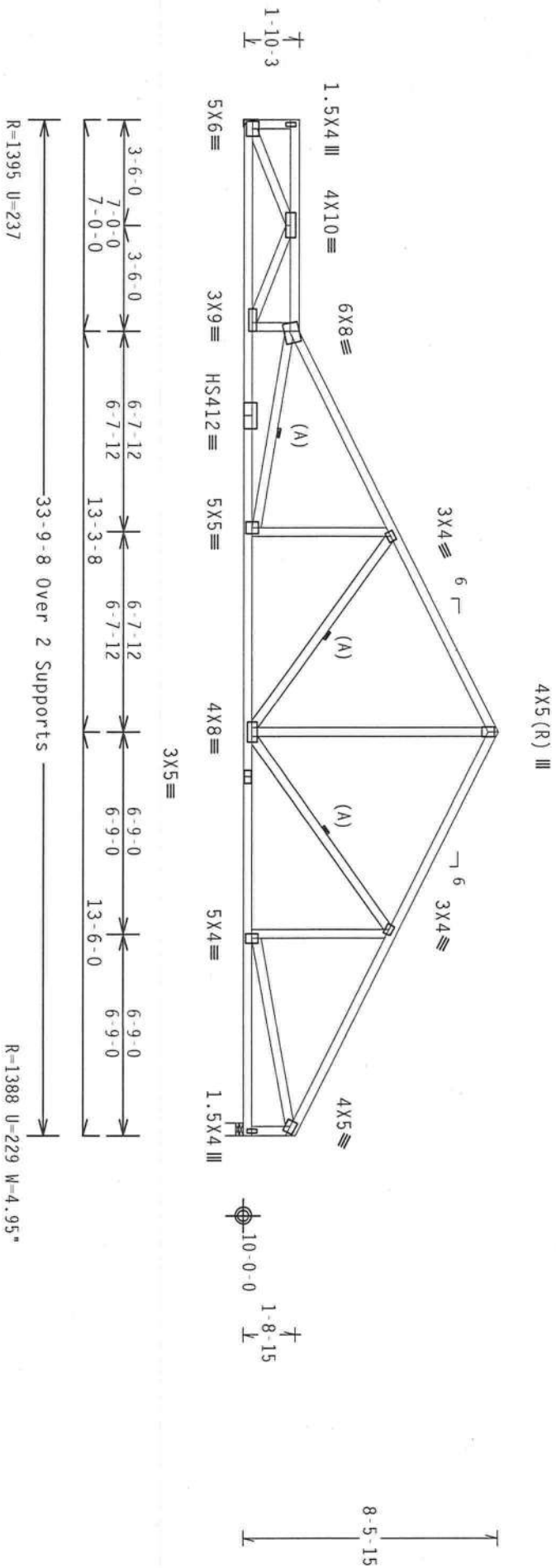
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.12 ft mean hgt, ASCE 7-98, 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.

Max JT VERT DEF: LL: 0.27" DL: 0.28" recommended camber 1/2"

Deflection meets L/360 live and L/240 total load.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. 20 Gauge HS.Wave

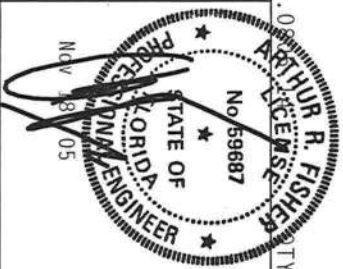
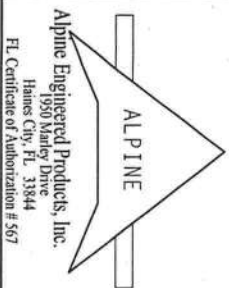
Design Crit: TP1-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BE CAREFUL TO BEST 1-300 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 565 WEST 10TH AVENUE, SUITE 100, DENVER, CO 80202) 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 TRUSS IN CONFORMANCE WITH TPI: ON FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 905 (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (K, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SOURCE. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TY:1		FL/-/3/-/-/R/-	
TC LL	20.0 PSF	REF	R487-- 31996
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321027
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN-	16098
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_202

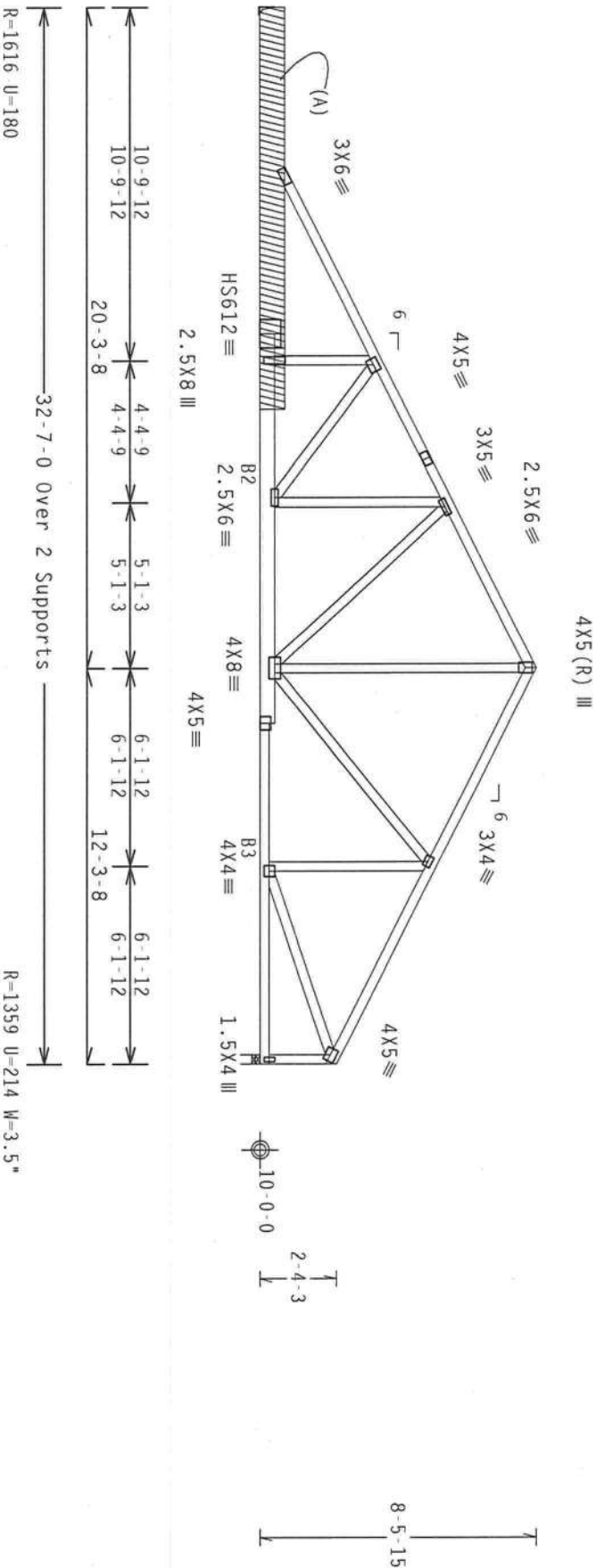
Top chord 2x4 SP #2 Dense
Bot chord 2x10 SP SS :B2 2x6 SP #1 Dense:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

Deflection meets L/360 live and L/240 total load.

110 mph wind, 14.63 ft mean hgt, ASCE 7-98, 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) (1) 2X10X12-3-12 SP SS scab at left end. Attach scab to face of chord with: 10d Common (0.148"x3", min.) nails @ 8" OC, plus additional nail clusters at: BRG.: (5), heel: (10), 1st panel point: (5).



PLT TYP. 20 Gauge HS.Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.04.08

FL/-/3/-/R/-

Scale = .1875"/ft.

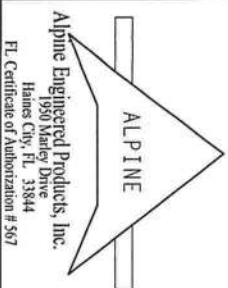
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BEST PRACTICES (INCLUDING COMPROMISE SAFETY AND OPERATION), PUBLISHED BY THE TRUSS ASSOCIATION, 565 MADISON, ST. LOUIS, MO 63103, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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.

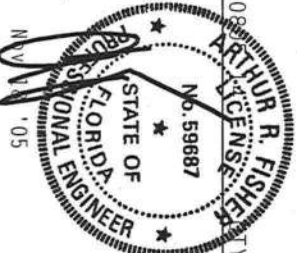
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA/ASCE 608 (4.1.5/4.2) ASH 603 GRADE 40/50 (4.1.5/4.2) 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 AS OF TP11-2002 SEC.3. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



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



TC LL	20.0 PSF	REF R487--	31997
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW HCUR487	05321028
BC LL	0.0 PSF	HC-ENG DF/AF	
TOT.LD.	40.0 PSF	SEON-	16222
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_Z02

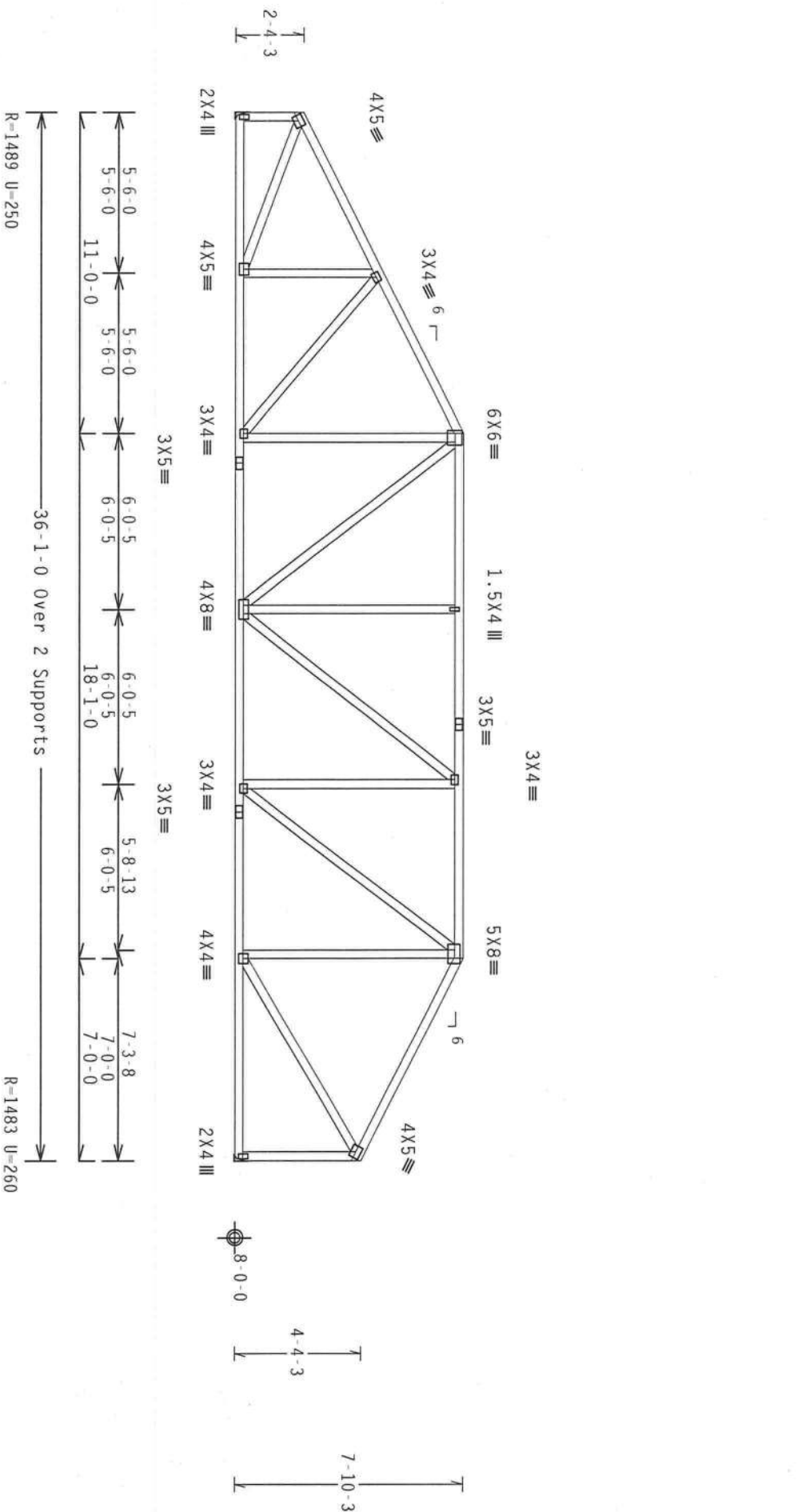
(C) 402-MILION BUILDERS / DOUG & DELIA JOHNSON "15A)

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

110 mph wind, 13.10 ft mean hgt, ASCE 7-98, 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.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

808.1 LICENSE
FEBRUARY: 1

FL/-/3/-/-/R/-

Scale = .1875"/Ft.

WARNING: 100-5319 DESCRIBES EXTENSIVE LABORATORY TESTING, INCLUDING SHOOTING, INSTALLATION, AND REMOVAL, REFERRED TO BC51-1-53 (100-5319) THROUGH COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 565 O'NEAL RD., SUITE 200, HADDON, MI 53119) AND AIAA (AIAA GOOD THINGS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., HADDON, MI 53119) 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.

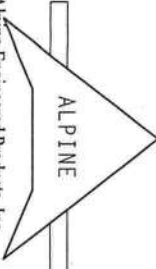
TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING

PLATES TO EACH FACE OF THUMB AND INDEX FINGER LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A-2 CONNECTION PLATE: ONE HOLE OF 20/10/1000 (M, M/3/3) WITH HOLE 40/50 (M, M/3/3) ONLY. STEEL. APPLY

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY F

BUILDING DESIGNER PER ANSI/API 1 SEC. 2.

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



TC LL	20.0 PSF	REF R487-- 31998
TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUSR487 05321029
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEON- 15995
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SS8487_202

(3 402-MILLION BUILDERS / DOUG & DELIA JOHNSON 115B)

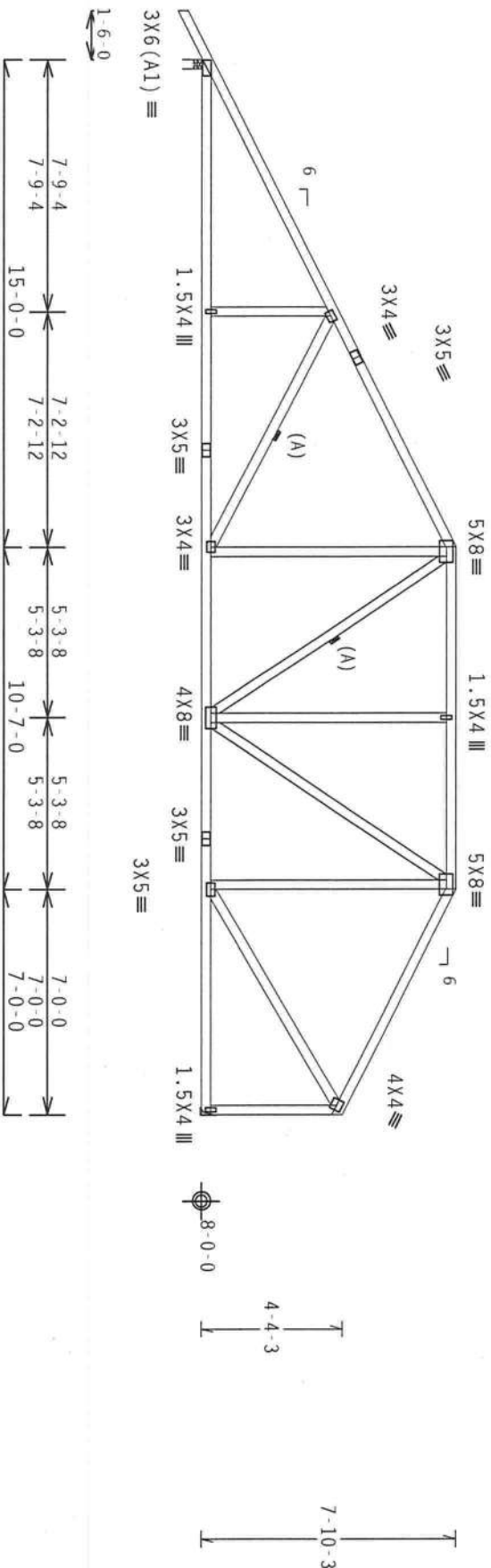
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 11.72 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.



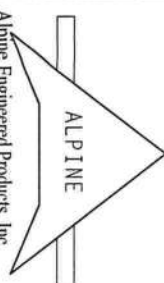
PLT TYP. Wave

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

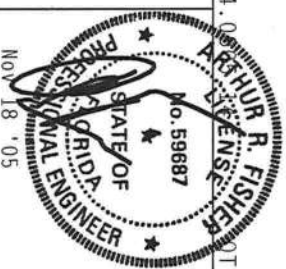
QTY:1 FL/-/3/-/-/R/-/

Scale = .1875"/Ft.

WARNING: THESE INSTRUCTIONS CONCERN THE PROPER CONSTRUCTION, INSTALLATION AND MAINTENANCE OF THE FIBERGLASS REINFORCED CEMENT SAFETY INFORMATION, FURNISHED BY TPI (TROSS PLASTIC INSTITUTE, 589 D'AMORE RD., SUITE 200, MADISON, WI 53719) FOR ACRYL (GOOD HOUSE COUNCIL OF AMERICA, 6500 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES RELATION TO WEARING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGID CEILING.

[illegible]

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



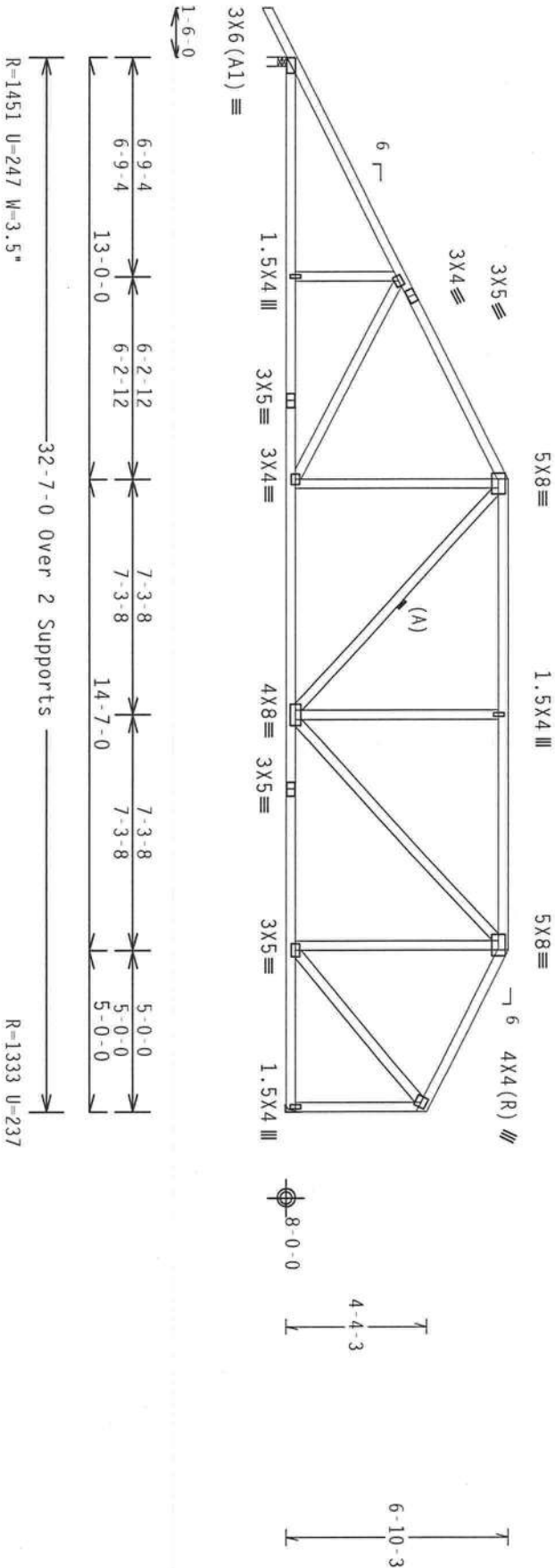
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TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321034
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN -	16152
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SS8487_Z02

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

110 mph wind, 11.22 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.

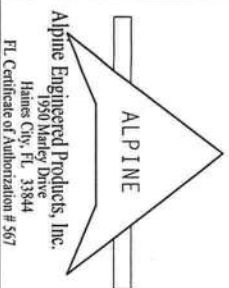


PLT TYP. Wave

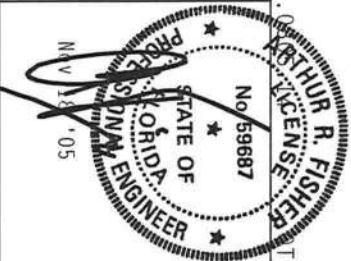
Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 583 HUNTER RD., SUITE 200, FARMINGTON, CT 06031) AND BC31 2-03 (TRUSS PLATE INSTITUTE, 583 HUNTER RD., SUITE 200, FARMINGTON, CT 06031) FOR ADDITIONAL INFORMATION. TRUSSES ORDERED FROM ALPINE SHOULD BE 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 BDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/10/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (Q, 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 TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



Alpine Engineered Products, Inc.
1050 Mabley Drive
Haines City, FL 33844
FL Certificate of Authorization #567



TY:1		FL/-/3/-/-/R/-	Scale = .1875"/Ft.	
TC LL	20.0 PSF	REF R487--	32004	
TC DL	10.0 PSF	DATE	11/17/05	
BC DL	10.0 PSF	DRW	HCUSR487 05321035	
BC LL	0.0 PSF	HC-ENG	DF/AF	
TOT.LD.	40.0 PSF	SEON-	16146	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SS8487_202	

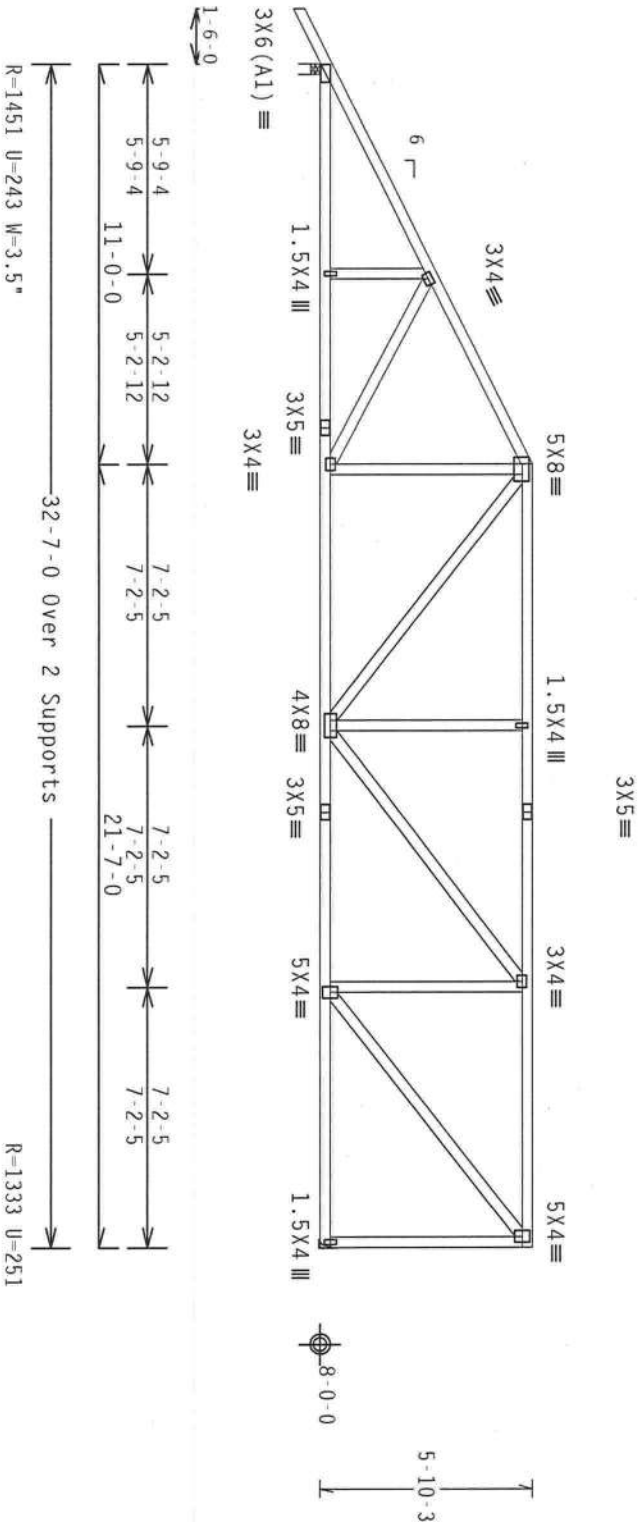
3-402-MILITARY BUILDINGS / DOUG & DELLIA JOHNSON 111B

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

110 mph wind, 10.72 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.



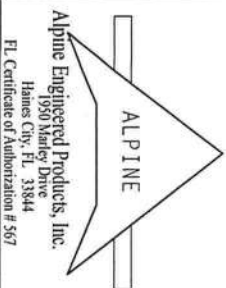
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .1875"/ft.

****WARNING**** TROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 568 MONROVIA DR., SUITE 200, FARMINGTON, CT 06031) AND TROSS CONNECT (OF AMERICA, 6000 INTERSTATE 4, MONROVIA, CA 91766) FOR TROSS CONNECTIONS. TROSS CONNECTIONS MUST BE MADE IN ACCORDANCE WITH THE TROSS CONNECT AND TROSS CONNECT (OF AMERICA) INSTRUCTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** THROUGHOUT 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 TROUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/160A (44H/5X) ASTM A653 GRADE 40/60 (44, K/4.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROUSSES 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 TROSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
Professional Engineer
No. 8 '05

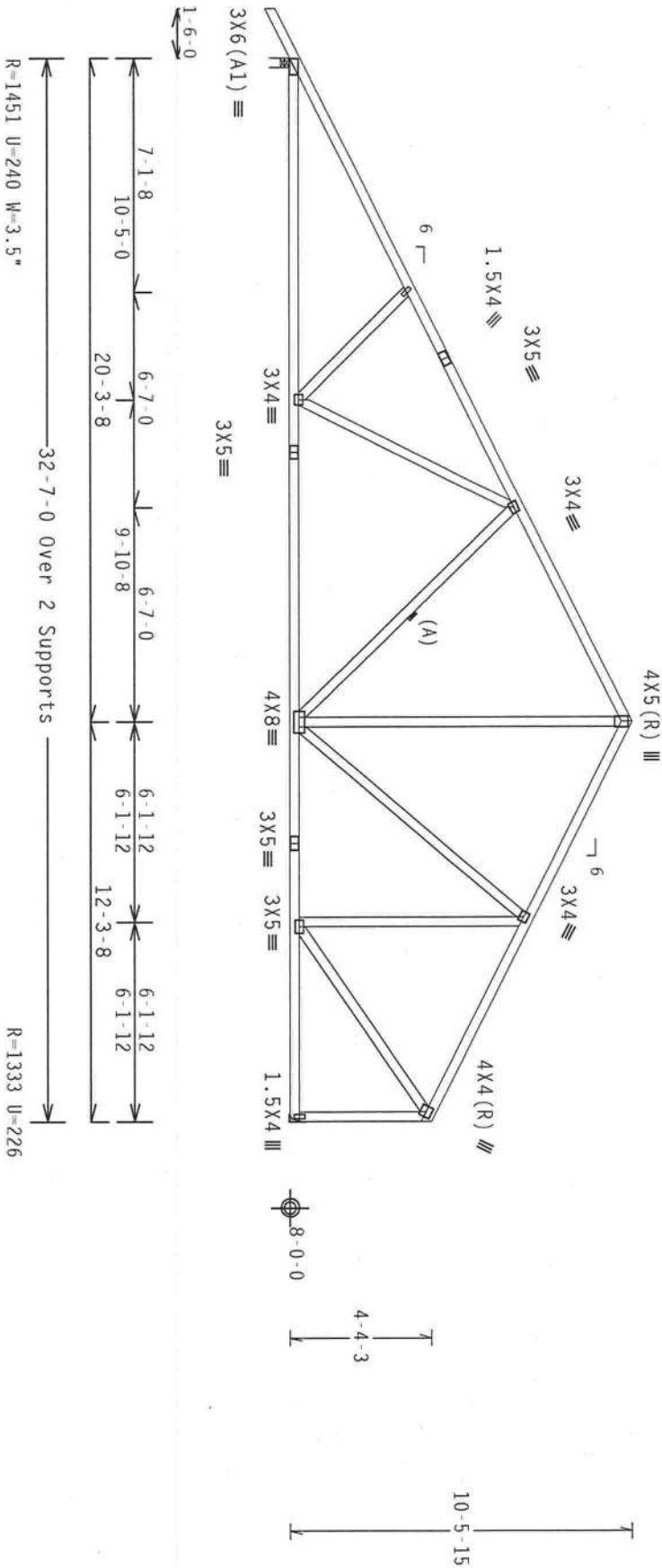
TC LL	20.0 PSF	REF R487-- 32005
TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUR487 05321036
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 16140
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SS8487_202

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

110 mph wind, 13.04 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

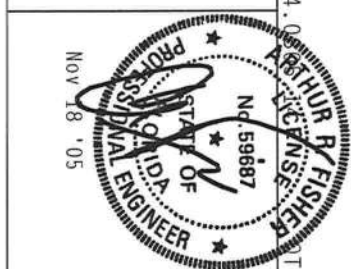
Design Crit: TP1-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.00

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 GUIDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CROSS PLATE INSTITUTE, 563 D'ORRADIO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 EXETER ST., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN SPEC. BY AIA/P) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/19/16GA (W/4/5/2X) ASTM A653 GRADE 40/60 (W/ 6/11.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSSES 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 TP1-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



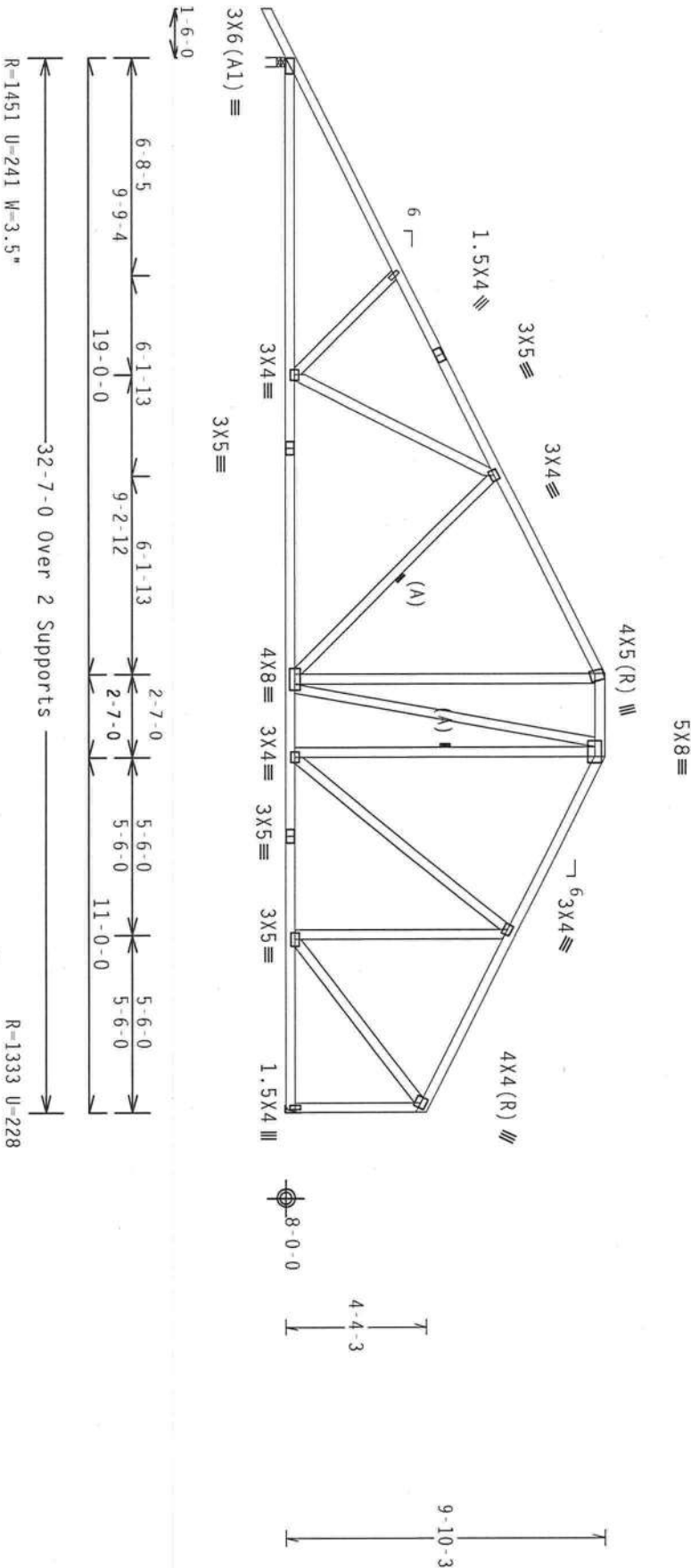
FL/-/3/-/-/R/-		Scale = .1875"/ft.	
TC LL	20.0 PSF	REF	R487-- 32008
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321039
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEON-	16171
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_Z02

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

110 mph wind, 12.72 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.



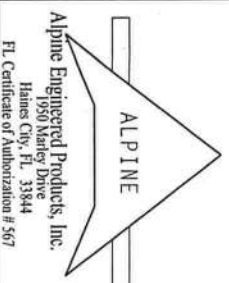
PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

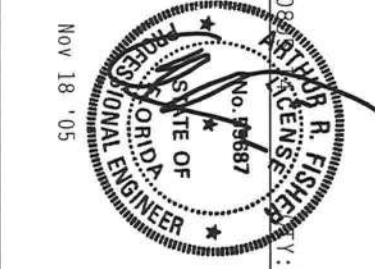
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 1-03 (QUALITY CONTROL COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNDAS RD., SUITE 200, HAMILTON, ONT L8N 3J7) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 EXETER ST., HAMILTON, ONT L8N 3J7) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE TASKS. TRUSSES MUST BE PROPERLY IDENTIFIED AND THE MANUFACTURER'S NAME AND MODEL NUMBER MUST BE PROPERLY ATTACHED TO EACH TRUSS. TRUSSES MUST HAVE A PROPERLY ATTACHED IDENTIFICATION TAGS 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 AIA (INTERNATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/S/X) ASPH ACSS GRADE 40/60 (K/2H/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 AMEX A3 OF TPI 1-2002 SEC.3. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1050 Miller Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

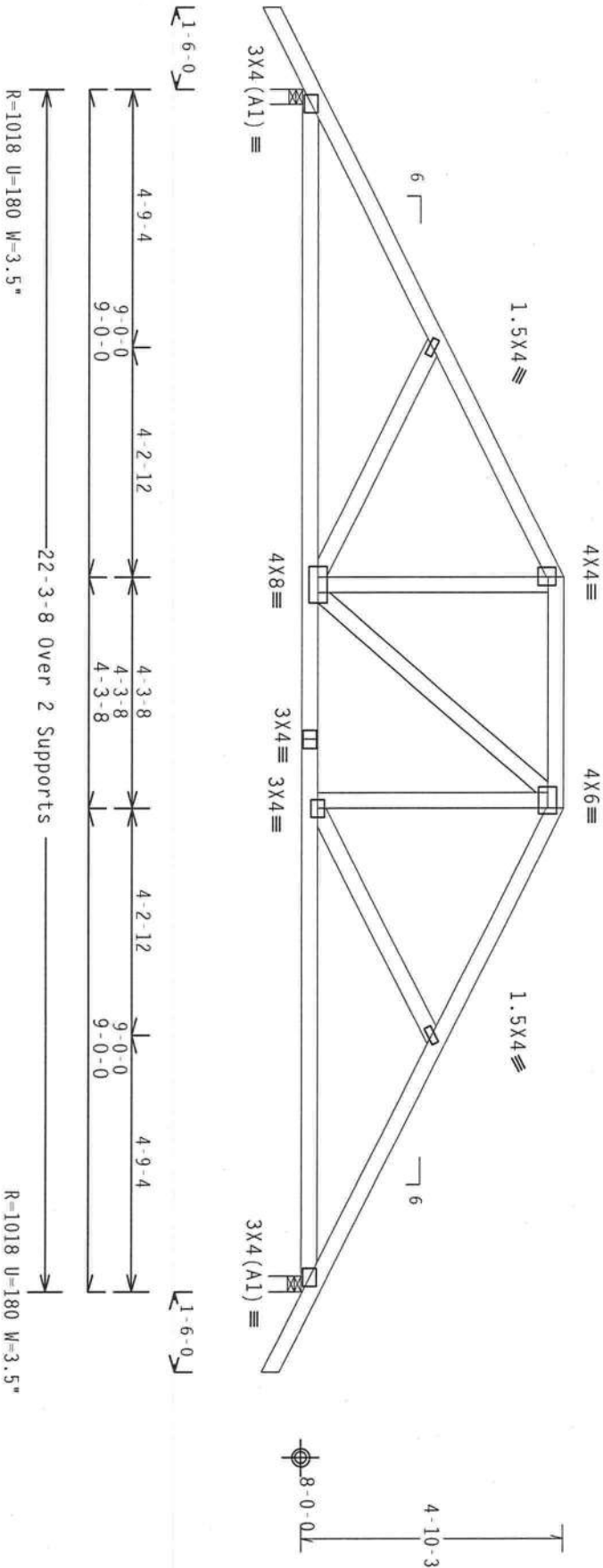


TC LL	20.0 PSF	REF R487-- 32009
TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUR487 05321040
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 16164
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SS8487_Z02

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

110 mph wind, 10.22 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)



TY:1

FL/-/3/-/-/R/-

Scale = .3125"/Ft.

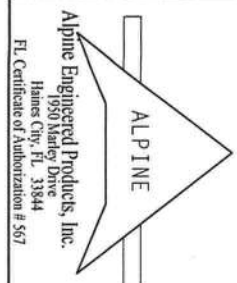
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BOLTING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 585 N. HADISON, UT 84710) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** PROVIDE 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: ON FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE

CONNECTION PLATES ARE MADE OF 2018/1664 (K/H/S/K) ASTM A653 GRADE 40/60 (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 AS OF TPI-2002 SEC.3. A SEAL ON THIS



Alpine Engineered Products, Inc.
1650 Mader Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

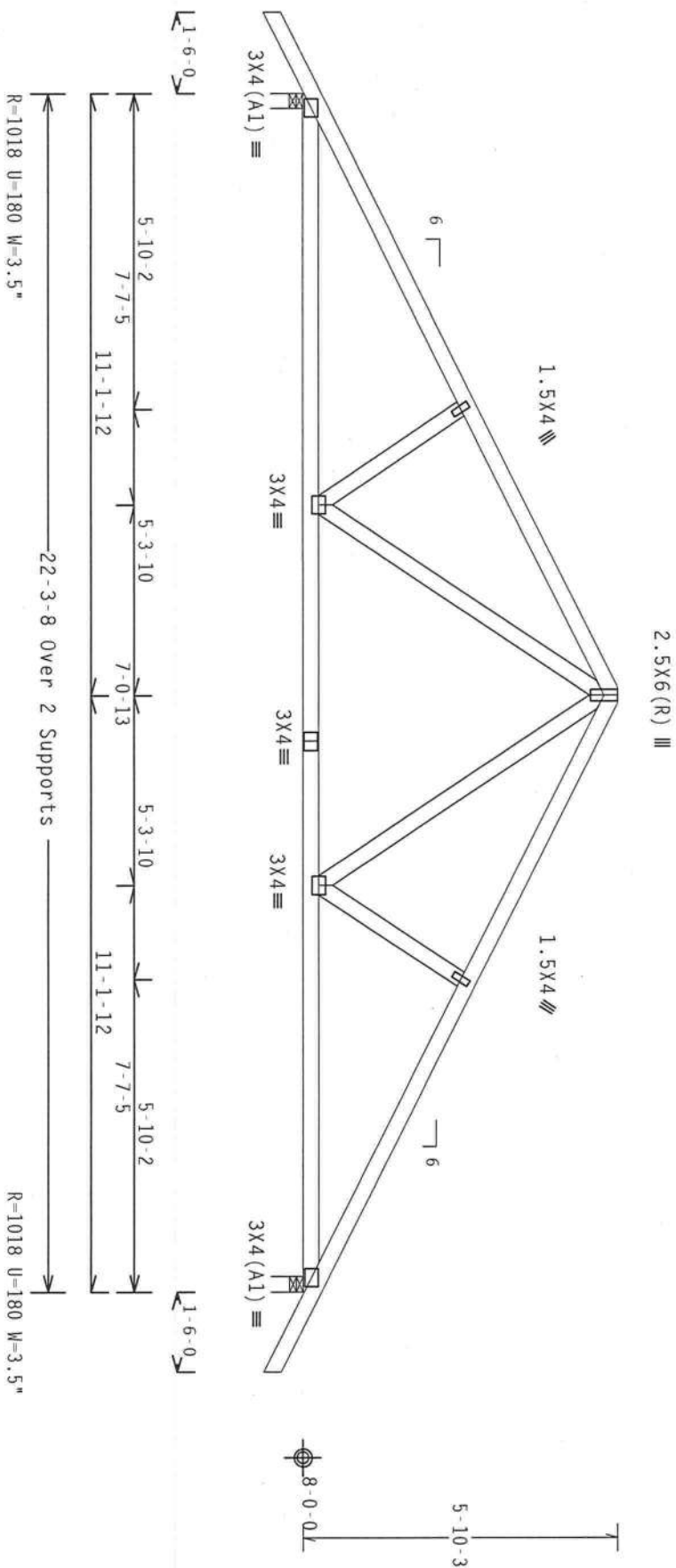
TC LL	20.0 PSF	REF R487--	32013
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW HCUSR487	05321012
BC LL	0.0 PSF	HC-ENG DF/AF	*
TOT.LD.	40.0 PSF	SEON-	15910
DUR.FAC.	1.25		
SPACING	24.0"	UREF-	1SS8487_202

(C-402-MILITARY BUILDINGS / DOB & DELIA JOHNSON (111C))

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

110 mph wind, 10.72 ft mean hgt, ASCE 7-98, 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 $L/360$ live and $L/240$ total load.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .3125" / Ft.

WARNING: TOOLS OF UNDESIRABLE EXISTENT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BCSI - 103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PLASTIC INSTITUTE, 563 D'ORVILLE RD., SUITE 200, MADISON, WI 53719) AND ACHCA (GOOD FORTRESS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO ATTACHING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

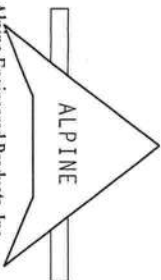
****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AISC) AND THE AISC ADAPTIVE

CONNECTION PLATES ARE MADE OF 20/18/1604 (H 0.13/3) ASTM A993 GRADE 40/60 (H 6.1/8.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC. 3. A SEAL ON THIS

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

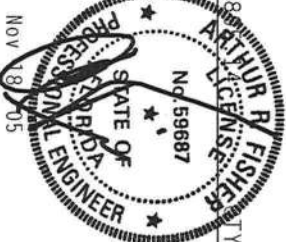
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.

Haines City, FL 33840

FL Certificate of Authorization # 567

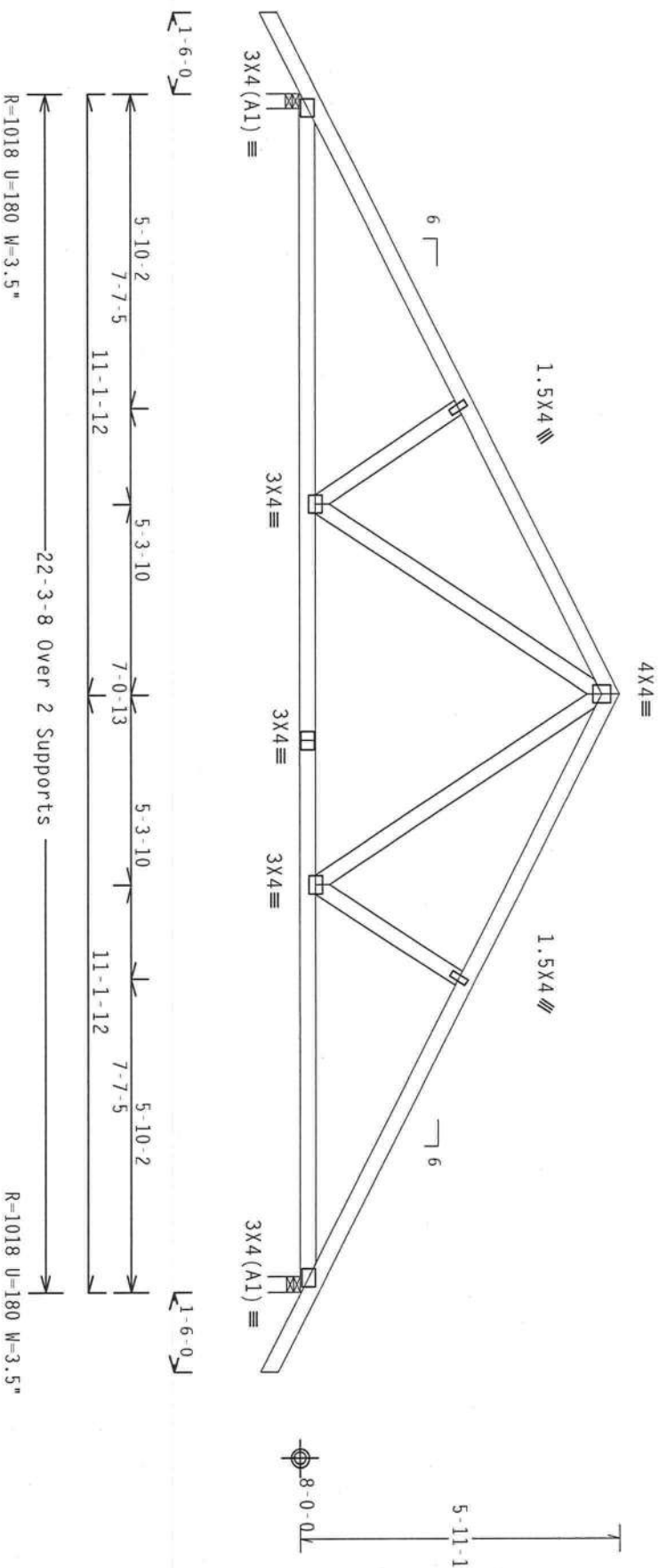


FL/-3/-/R/-		Scale = .3125"/Ft.	
TC LL	20.0 PSF	REF	R487-- 32014
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321013
BC LL	0.0 PSF	HC-ENG	DF/AF *
TOT.LD.	40.0 PSF	SECN-	15916
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_202

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

110 mph wind, 10.76 ft mean hgt, ASCE 7-98, 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 $L/360$ live and $L/240$ total load.



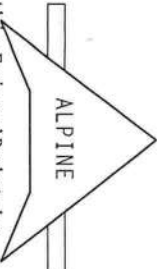
PLT TYP. Wave

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

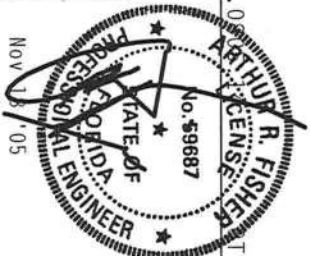
Scale = .3125" / Ft.

WARNING: THOSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CITY (ROSS) PLATE INSTITUTE, 563 D'ORLEANS RD., SUITE 200, MONTREAL, QC H3T 1V9, FOR A FULL GUIDE TO THE ROSS COMMITTEE OF AMERICA, 6100 ENTERPRISE LN., MONTREAL, QC H3T 1V9, 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 TIGID CEILING.

IMPORTANT MANULINK A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; HOWEVER, IF FAILURE OR DAMAGE TO COMPONENTS OCCURS DUE TO NONCOMPLIANCE WITH THE FOLLOWING REQUIREMENTS, INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THEREOF. ALL CONNECTOR PLATES ARE MADE OF 20/19/1666 GR./IN.² ASTM A563, S80K 40/60 (41-41.5) GALT STEEL. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITIONED PER BRANCHES 160A-Z. AN INSPECTION OF PLATES FOLLOWS BY (1) SEAL PER AMERICAN AS OF THIS 2002 SPEC.; (2) SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN TYPE I SEC. 2.



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

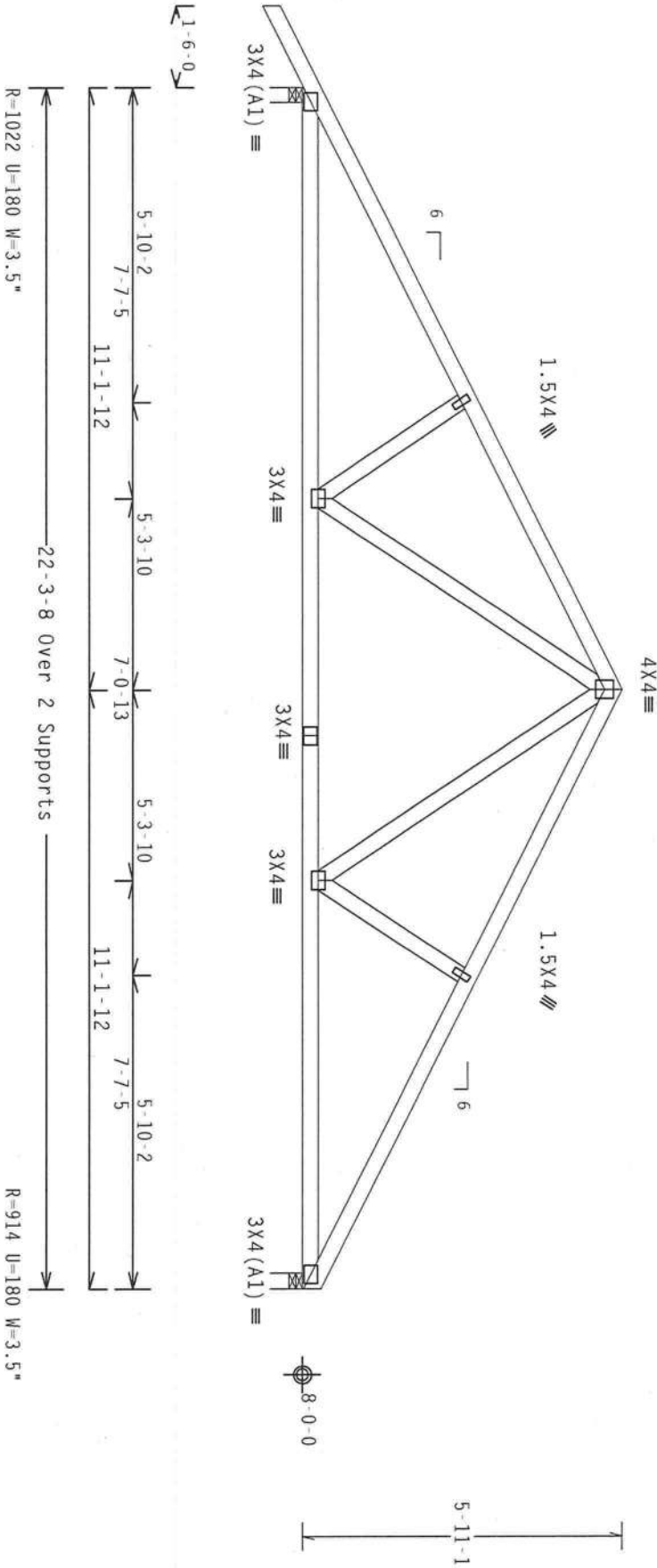


TC LL	20.0 PSF	REF	R487 - 32015
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321014
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT. LD.	40.0 PSF	SEQN -	15921
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1SS8487_202

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

110 mph wind, 10.76 ft mean hgt, ASCE 7-98, 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.

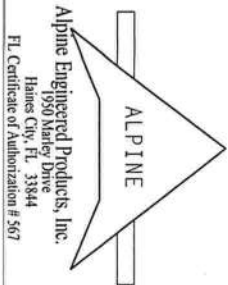
Deflection meets L/360 live and L/240 total load.



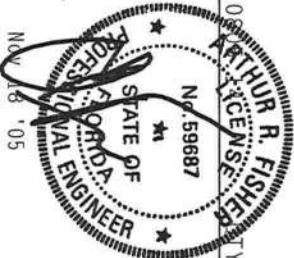
PLT TYP. Wave
Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)
TY:5 FL/-/3/-/-/R/-
Scale = .3125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ROBRIER DR., SUITE 200, MADISON, WI 53719) AND HPCA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI1. ALPINE CONNECTOR PLATES ARE MADE OF 20/19/16GA (W/L/S/X) ASTM A653 GRADE 40/60 (G, 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 TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI1 SEC. 2.



Alpine Engineered Products, Inc.
1050 Valley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF R487--	32016
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW HCUR487	05321015
BC LL	0.0 PSF	HC-ENG DF/AF	*
TOT. LD.	40.0 PSF	SEQN-	15926
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_202

(C 402-MILITARY BUILDINGS / DOUG & DELIA JOHNSON 11/70)

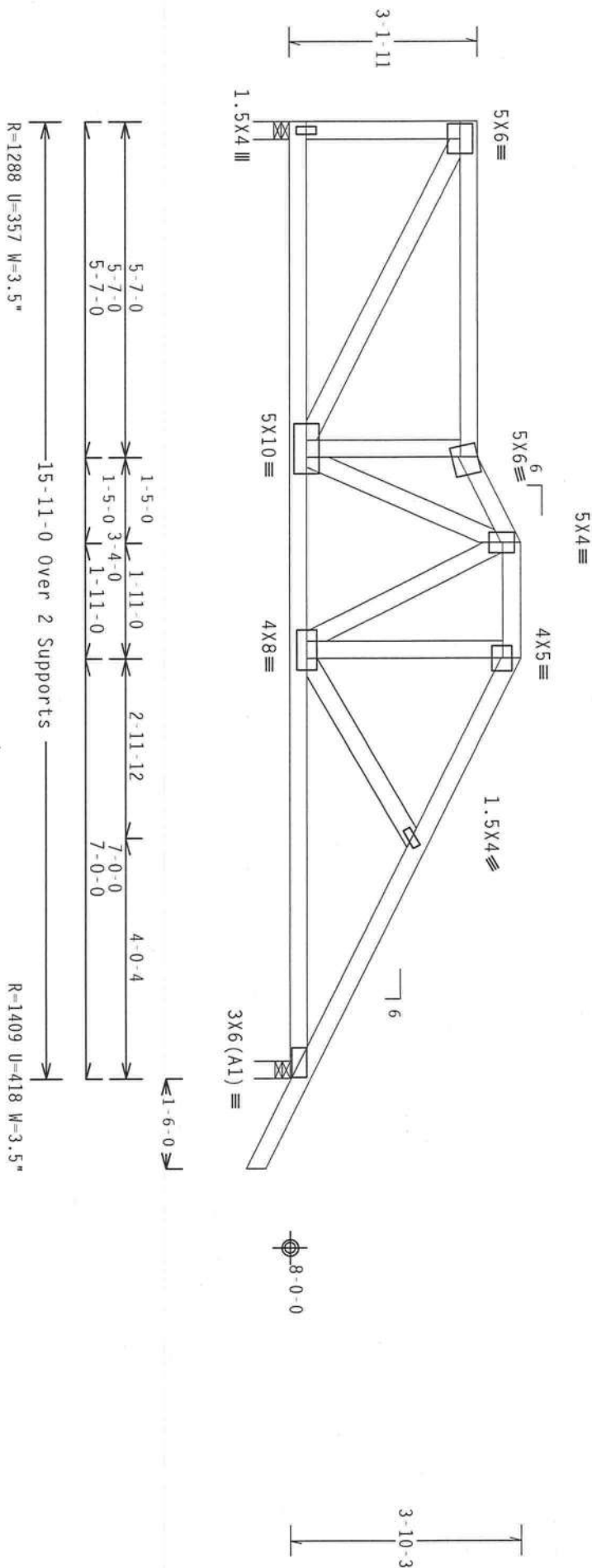
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	Wabs	2x4	SP	#3	

Left end vertical not exposed to wind pressure.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets $L/360$ live and $L/240$ total load.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

800-RT-XXXX
XENSE
SECURITY:1

FL/-/3/-/-/R/-/

Scale = .375"/Ft.

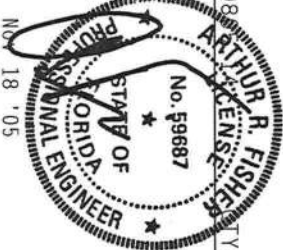
WARNING: TOOLS REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND DRAGGING. REFER TO BC-1-103 (BUILDING COMPONENT SAFETY INFORMATION), BUILDING BY TPI (TROSS PLATE INSTITUTE, 503 P O BOX 610, SUITE 200, MADISON, WI 53719) AND ATCA (WOOD PROCESS COUNCIL OF AMERICA, 6200 ENTERPRISE BLVD, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANTIES AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TIGID 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 TRUSSES IN CONFORMANCE WITH THE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/P/A) AND TPI. ALPINE

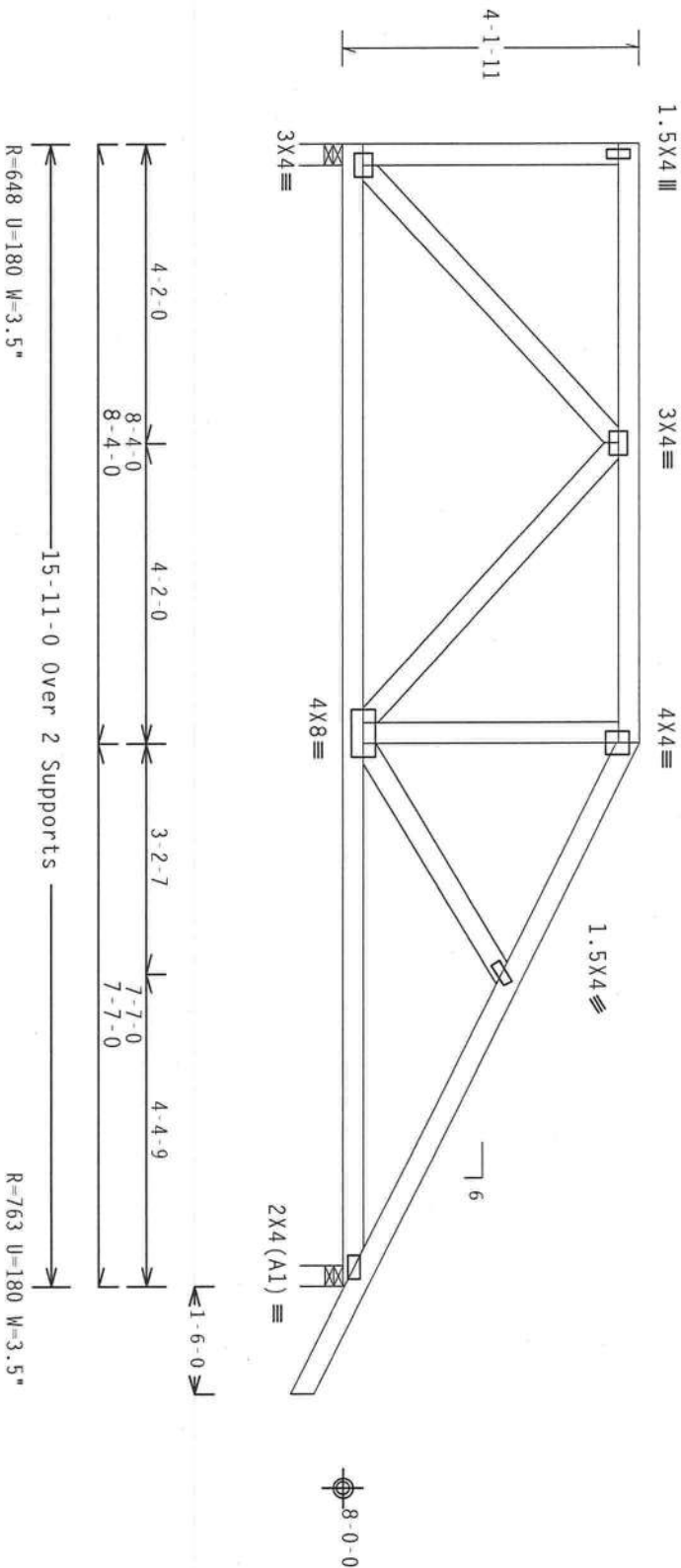
CONCRETOR PLATES MADE OF 20/18/1664 (N 10/3/3K) A318 A663 GRADE 40/60 (Y_T 67/85) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROUS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS

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



TC LL	20.0 PSF	REF	R487-- 32017
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321060
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN-	15931
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF -	ISS8487_Z02

Left end vertical not exposed to wind pressure.



R=648 U=180 W=3.5"

R=763 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

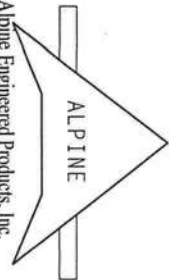
TY:1

FL/-/3/-/-/R/-

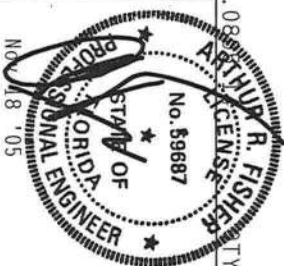
Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 563 D. MONROE DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BDS (NATIONAL DESIGN SPEC. BY AEP&P) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/19/16GA (W/N/S/K) ASTM A653 GRADE 40/60 (K/ N/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 TP1-2002 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.



Alpine Engineered Products, Inc.
1550 Harbor Blvd.
Haines City, FL 33844
FL Certificate of Authorization #567



TC LL	20.0 PSF	REF	R487-- 32018
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321044
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN-	15937
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SS8487_202

Top chord 2x6 SP #2 :T2 2x4 SP #2 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

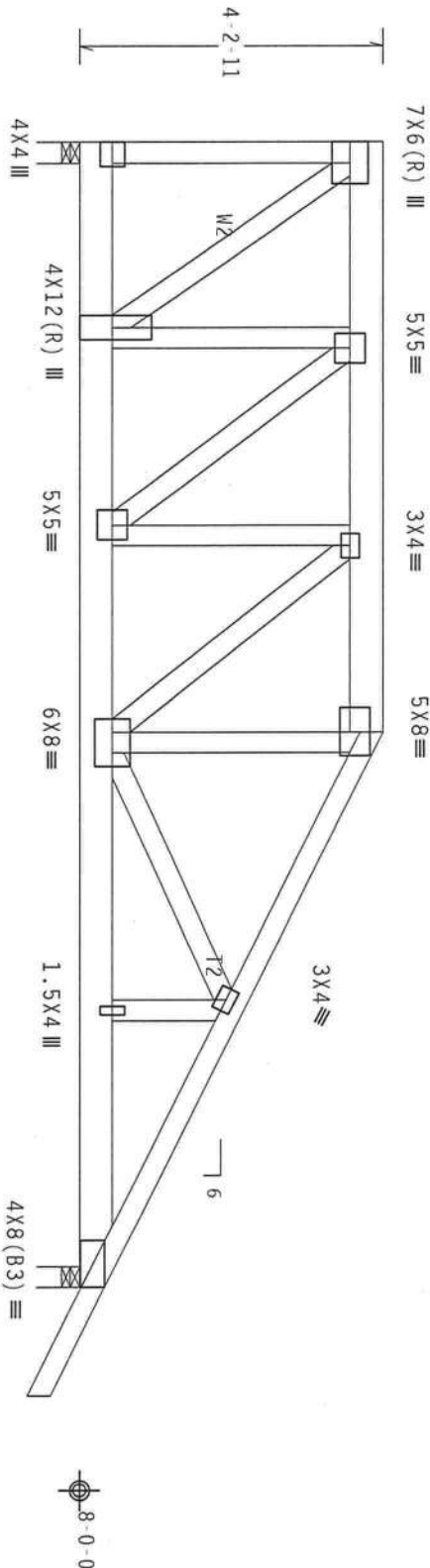
SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 17.42
BC - From 20 PLF at 0.00 to 20 PLF at 15.92
BC - From 4 PLF at 15.92 to 4 PLF at 17.42
BC - 1483 LB Conc. Load at 0.85, 2.85, 6.85
BC - 1481 LB Conc. Load at 4.85
BC - 4046 LB Conc. Load at 8.79

Left end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Common (0.148"x3", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 6.00" o.c. (Each Row)
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 7-98, 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.



2'-8.11" 2'-8.11" 2'-8.11" 3'-10.8" 7'-9.0" 15'-11.0" over 2 Supports
R=6925 U=1620 W=3.5" R=4461 U=1303 W=3.5"

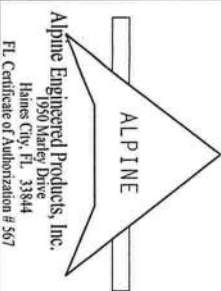
PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

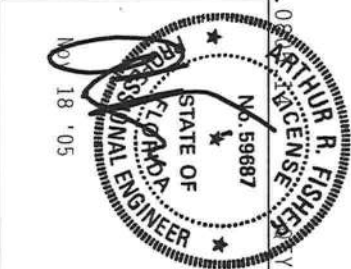
Scale = .375"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 180 DUNDAS ST. E., SUITE 200, MISSISSAUGA, ON L4V 1L7, AND AISC (4000 TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., HOUSTON, TX 77036) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (4000 TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., HOUSTON, TX 77036) AND AISC (4000 TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., HOUSTON, TX 77036) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



Alpine Engineered Products, Inc.
Haines City, FL 33844
1550 Mainway Drive
FL Certificate of Authorization # 567



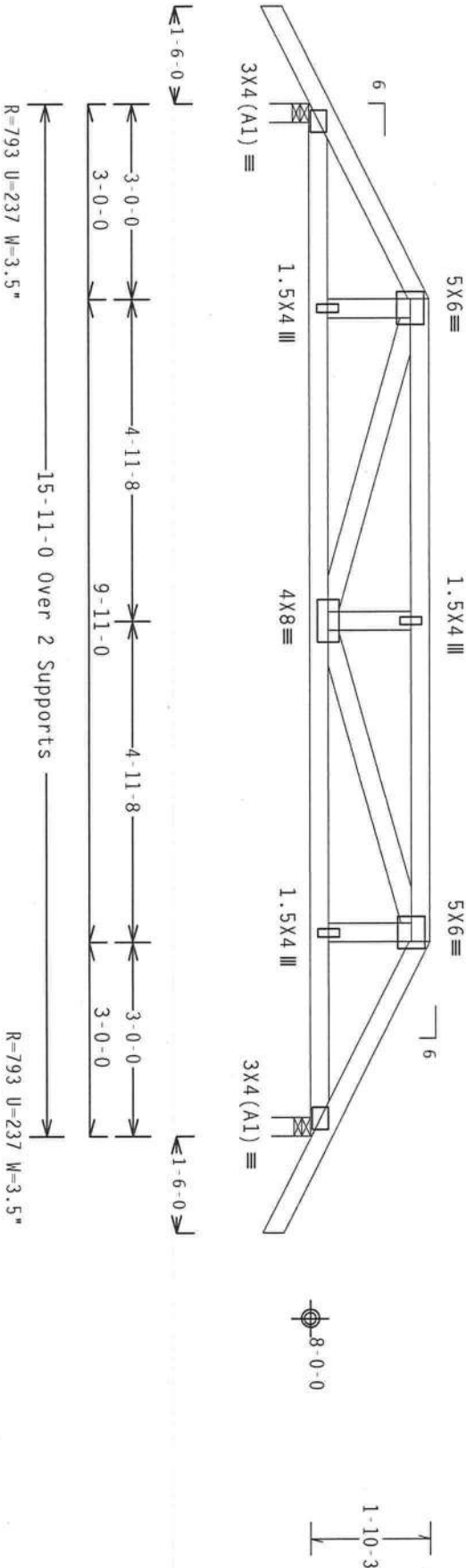
TC LL	20.0 PSF	REF R487--	32019
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW HCUR487	05321061
BC LL	0.0 PSF	HC-ENG DF/AF	
TOT. LD.	40.0 PSF	SEQN-	16116
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	ISS8487_202

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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 3-0-0 jacks with no webs.

Deflection meets L/360 live and L/240 total load.

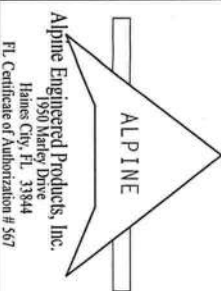


PLT TYP. Wave

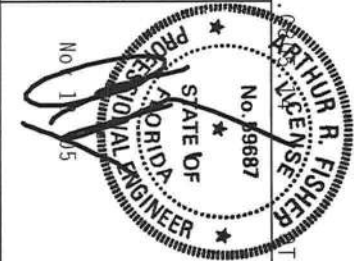
Design Cr1t: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CROSS PLATE INSTITUTE, 563 DUNDAS ST. E., SUITE 200, MISSISSAUGA, ON L4Y 1G7, CANADA. (905) 276-1111. ALL TRUSSES SHALL BE BRACED TO 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 TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/160A (40/50/80) ASH AGS GRADE 40/60 (40/50/80) 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 TP11-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE CROSS COMPONENT BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



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



TY: 1		Scale = .375"/ft.	
TC LL	20.0 PSF	REF R487--	32020
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321045
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT. LD.	40.0 PSF	SEQN-	15890
DUR. FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1SS8487_Z02

Top chord 2x4 SP #2 Dense : 12 2x6 SP #2:
Bot chord 2x8 SP SS
Webs 2x4 SP #3 : W2 2x4 SP #2 Dense:

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 12.17
TC - From 62 PLF at 12.17 to 62 PLF at 17.42
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 15.92
BC - From 4 PLF at 15.92 to 4 PLF at 17.42
BC - 4044 LB Conc. load at 7.13
BC - 1489 LB Conc. load at 9.06, 13.06, 15.06
BC - 1491 LB Conc. load at 11.06

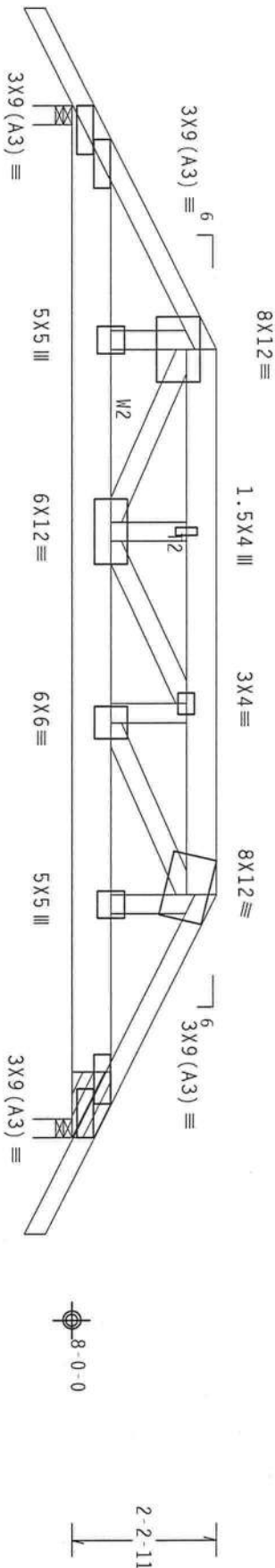
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Common (0.148"x3", min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 10d Common (0.148"x3", min.)_nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 15.625' 1 12" Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

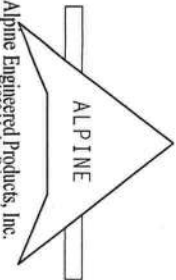
7.04.08

FL/-/3/-/-/R/-

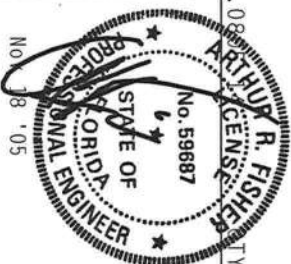
Scale = .375"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 18 DORR RD., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE, LB MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/160A (W/J/S/X) ASTM A663 GRADE 40/60 (Q, 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 TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1050 Main St.
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF R487 - 32021
TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUSR487 05321062
BC LL	0.0 PSF	HC-ENG DF/AF
TOT. LD.	40.0 PSF	SEQN- 16112
DUR.FAC.	1.25	
SPACING	24.0"	JREF- ISS8487_202

110 mph wind, 11.38 ft mean hgt, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLETTIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load.



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

Scale = .5"/Ft.

STATE OF
No. 59687

Scale = .5"/Ft.
REF R487 - - 32022
DATE 11/17/05

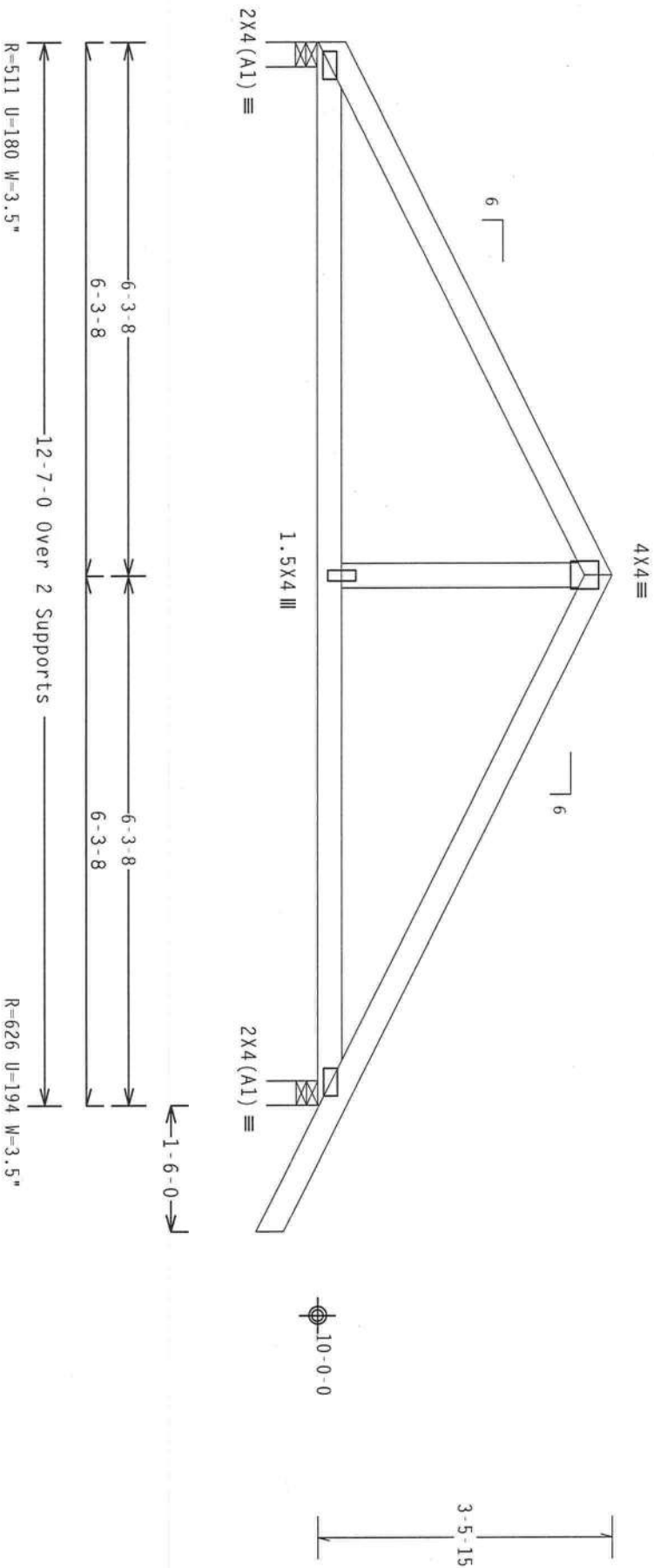
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12549
Nov 8, 2005

DUR.FAC. 1.25	
SPACING SEE ABOVE	JREF - 1SS8487_Z02

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

110 mph wind, 11.54 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.



PLT TYP. Wave

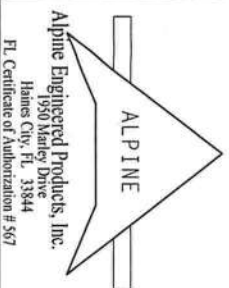
Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

Nov 18 '05

Scale = .5"/Ft.

****WARNING**** TROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CROSS PLATE INSTITUTE, 583 DUNDAS ST. E., SUITE 200, MARKHAM, ON L3R 9V7, AND RELEVANT TROSS CONNECTOR DETAILS, 6000 KENNEDY RD., UNIT 100, SCARBOROUGH, ON M1V 1B7. 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 TROSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ANY NATIONAL DESIGN SPEC. BY AISC/AIA AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (48/5/5) ASH A653 GRADE 40/60 (48/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROSS 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 TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF R487--	32023
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCUSR487 05321016
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN-	15900
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS8487_Z02

13-402-MILITARY BUILDINGS / DOUG & DELIA JOHNSON (11/7)

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC

NOTY:5 FL/-/3/-/-/R/-

WARNING: THIS IS A HIGHLY FLAMMABLE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, STORING AND DRAGING. REFER TO DECS 1-103 (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 O'CONNOR RD., SUITE 200, MADISON, MI 48131, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.), 5 DUNDAS ST. W., SUITE 200, MADISON, MI 48131 FOR SAFETY PRACTICES PRIOR TO REPAIRING THE FUSE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.

ALPINE

1950 Marney Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



FL/-3/-/-R/-		Scale = .5"/Ft.
TC LL	20.0 PSF	REF R487 - 32025
TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUSR487 05321047
BC LL	0.0 PSF	HC-ENG DF/AF
TOT. LD.	40.0 PSF	SEON- 15874
DUR. FAC.	1.25	
SPACING SEE ABOVE		JREF - 1SS8487_202

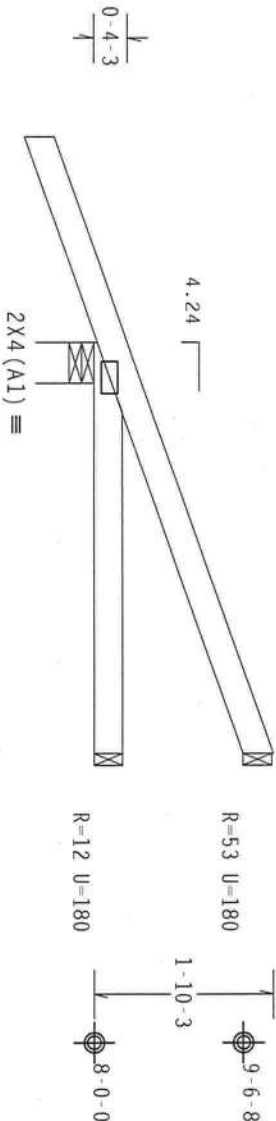
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Hipjack supports 3-0-0 setback jacks with no webs.

Provide (2) 16d common nails(0.162"x3.5"); toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"); toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.



4-2-15 Over 3 Supports
R=218 U=180 W=4.95"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC

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

7.04.08

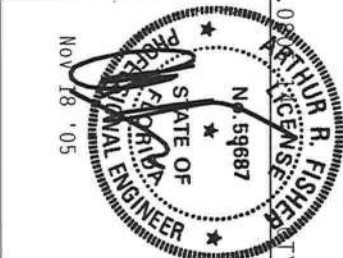
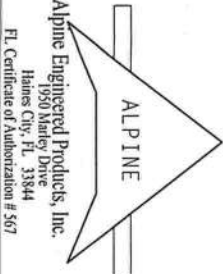
TY:2

FL/-/3/-/-/R/-

Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 583 D. CONNOR RD., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 905 (NATIONAL DESIGN SPEC. BY AIA/PA) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/19/16GA (W/J/S/K) ASTM A653 GRADE 40/60 (Q. 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 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.



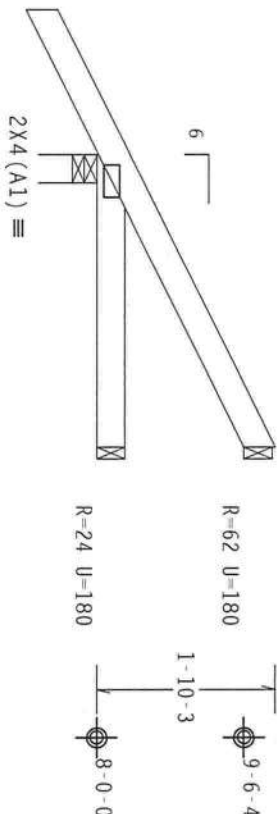
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TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW HCUR487	05321048
BC LL	0.0 PSF	HC-ENG DF/AF	
TOT.LD.	40.0 PSF	SEQN-	15878
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1SS8487_Z02

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 8.72 ft mean hgt, ASCE 7-98, CLOSED bldg, located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



←1-6-0→

←3-0-0 over 3 Supports→

R=262 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

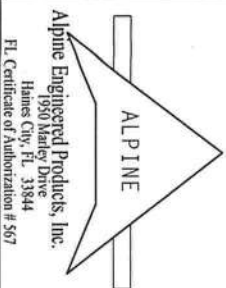
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TY:16 FL/-/3/-/-/R/-

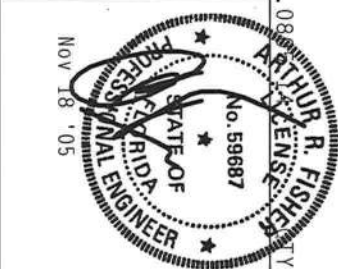
Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DORCHESTER DR., SUITE 200, HANSON, VT 5715) AND AISC (STEEL TRUSS CONNECTOR OF AMERICA, 6500 EXETER ST., PITTSBURGH, PA 15206) FOR TRUSS CONNECTIONS. 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 & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/160A (40/5/5) ASTM A653 GRADE 40/60 (4, 40/5) GALV. STEEL. APPLY ALPINE 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 TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



Alpine Engineered Products, Inc.
1850 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

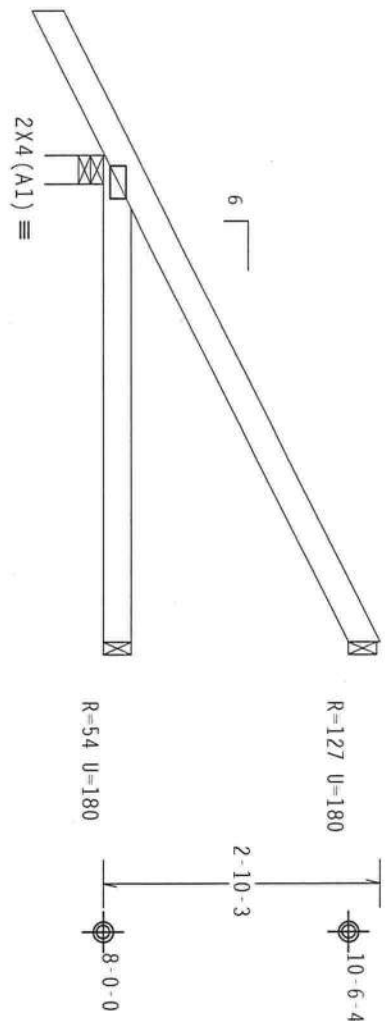


TC LL	20.0 PSF	REF R487-- 32027
TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUR487 05321049
BC LL	0.0 PSF	HC-ENG DF/AF
TOT. LD.	40.0 PSF	SEQN- 15855
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SS8487_202

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 9.22 ft mean hgt, ASCE 7-98, 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.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



←1-6-0→
←5-0-0 Over 3 Supports →
R=331 U=180 W=3.5"

PLT TYP. Wave
Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08
Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 568 DUNDAS RD., SUITE 200, MISSISSAUGA, ONT L4V 1V7) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE DR., SUITE 200, WILSONVILLE, IN 46094) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORDS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

Alpine Engineered Products, Inc.
Haines City, FL 33844
1050 Mabel Drive
FL Certificate of Authorization # 567

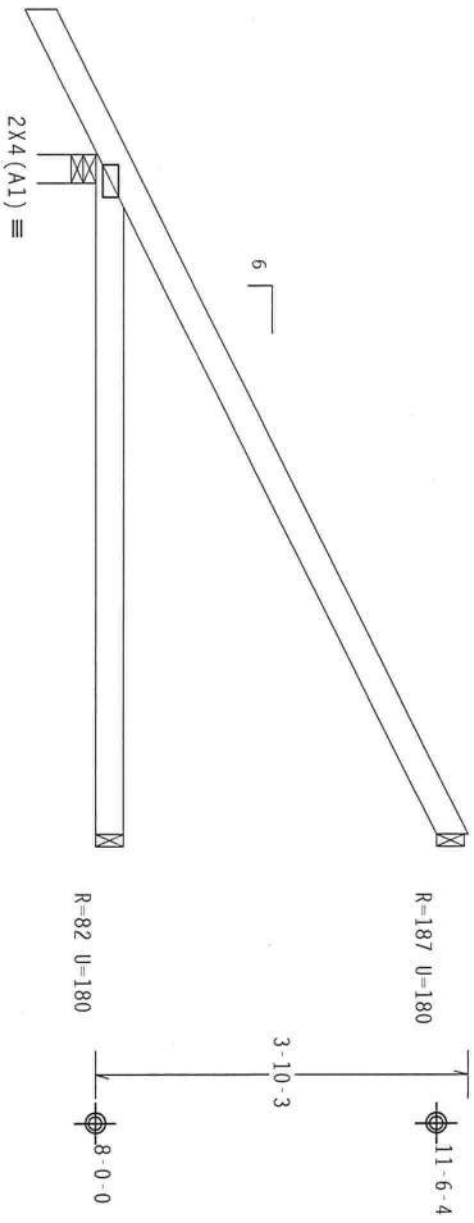
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN SPEC., BY AIA/PD) AND TPI. ALPINE CORRELATOR PLATES ARE MADE OF 20/18/16GA (W/L/S/E) ASPN A653 GRADE 40/60 (W, R/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 (C) SHALL BE PER ANNEX 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.

ARTHUR R. FISHER No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER No. 18 '05 EXPIRATION DATE: 10/31/2010				TC LL 20.0 PSF		REF R487-- 32028
TC DL 10.0 PSF				DATE 11/17/05		
BC DL 10.0 PSF				DRW HCUR487 05321050		
BC LL 0.0 PSF				HC-ENG DF/AF		
TOT.LD. 40.0 PSF				SEQN- 15860		
DUR.FAC. 1.25						
SPACING 24.0"						
				JREF- 1SS8487_202		

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 9.72 ft mean hgt, ASCE 7-98, 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.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1-6-0
7-0-0 Over 3 Supports
R=408 U=180 W=3.5"

PLT TYP. Wave

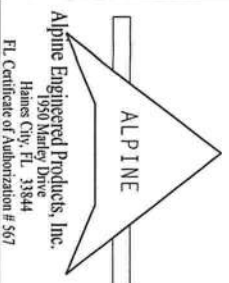
Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0)

TY:38 FL/-/3/-/-/R/-

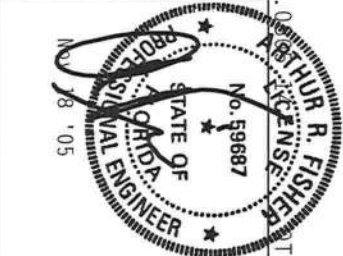
Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'AMORETTO DR., SUITE 200, HADISON, NJ 07719), AND UPCA (GOOD TRUSS CONCEPT OF AMERICA, 6500 ENTERPRISE LN, HADISON, NJ 07719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUTTICAL 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 AOS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W/J/S/X) ASTM A653 GRADE 40/50 (W, 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 TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI1 1 SEC. 2.



Alpine Engineered Products, Inc.
1050 Mundy Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



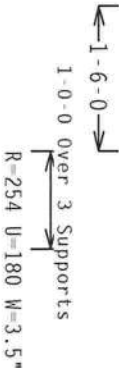
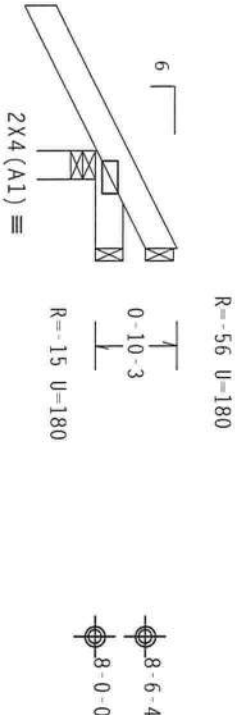
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TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUR487 05321051
BC LL	0.0 PSF	HC-ENG DF/AF
TOT. LD.	40.0 PSF	SEQN - 15864
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1SS8487_202

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 8.22 ft mean hgt, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

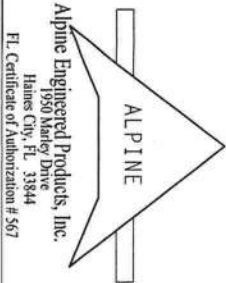
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TY:14 FL/-/3/-/-/R/-

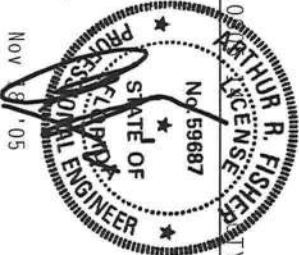
Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ORRADIO DR., SUITE 200, HADISON, NJ 07719), AND UIC4 (WOOD TRUSS CONNECT OF AMERICA, 6408 ENTERPRISE LN., SUITE 100, WILSONVILLE, NC 28095) FOR PROPER PRACTICES FROM PENETRATING THESE CONNECTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** THROUGH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI'S. ALPINE CONNECTOR PLATES ARE MADE OF 2018/160A (W/S/X) ASH 6053 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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS BRACING 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.



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1950 Mabey Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



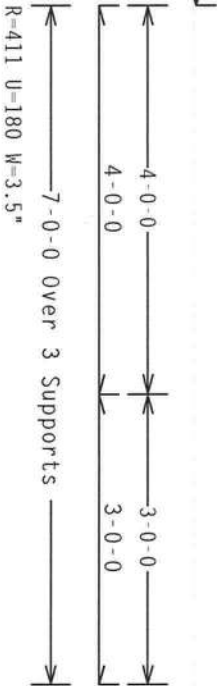
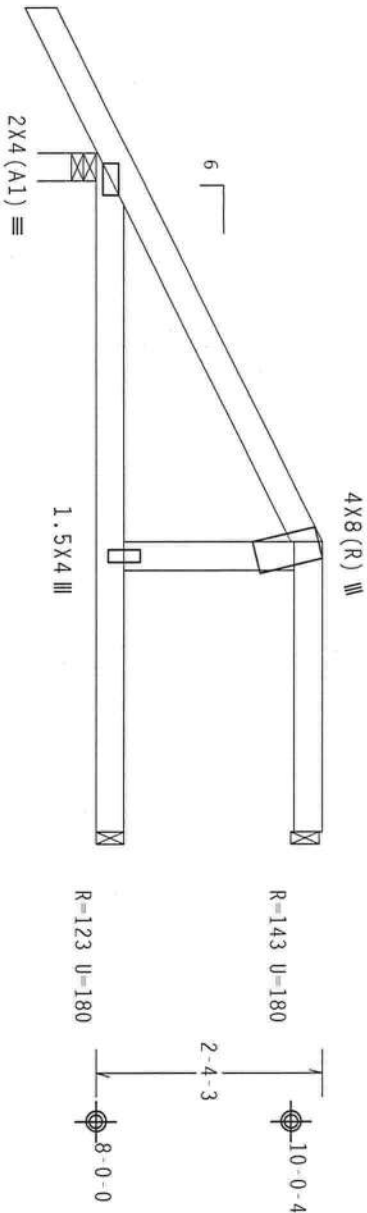
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BC DL	10.0 PSF	DRW	HCUSR487 05321052
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT. LD.	40.0 PSF	SEON-	15849
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1SS8487_202

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 8.97 ft mean hgt, ASCE 7-98, 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.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

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

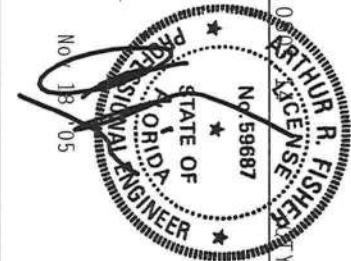
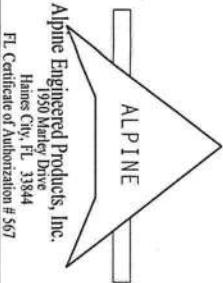
7.04.0

FL/-/3/-/-/R/-

Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 EXETER ST. E., BURNABY, BC V5C 2S1, CANADA) FOR DETAILED INFORMATION. TRUSSES SHALL BE PROTECTED FROM CORROSION. 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 SDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/766A (W.H/S/K) ASTM A653 GRADE 40/60 (K, K/H, S) GALV. STEEL. ALPINE 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 DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

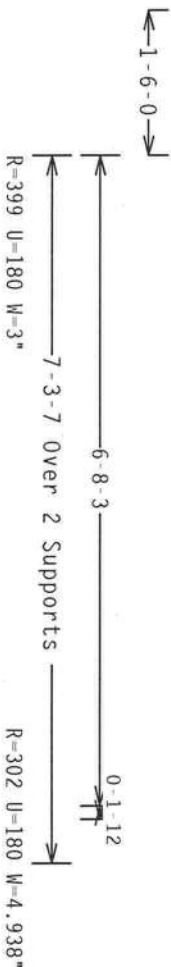
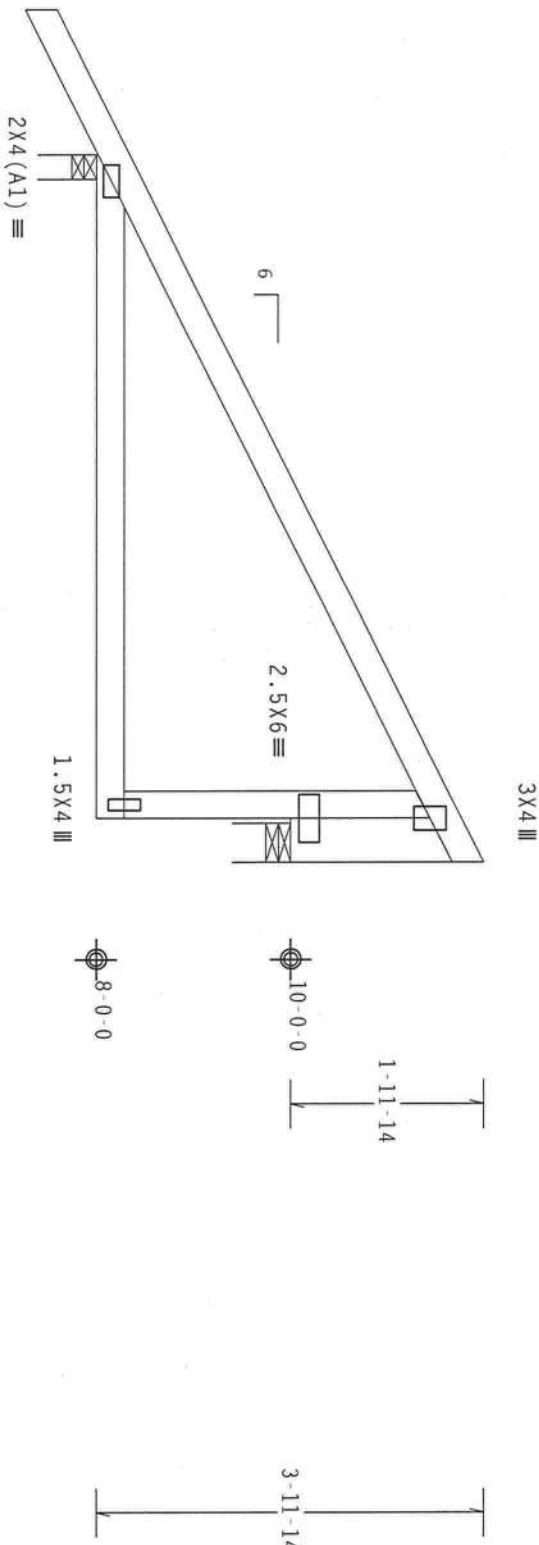


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TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUR487 05321054
BC LL	0.0 PSF	HC-ENG DF/AF
TOT. LD.	40.0 PSF	SEQN- 15886
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SS8487_Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x6 SP #2:

110 mph wind, 9.79 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.

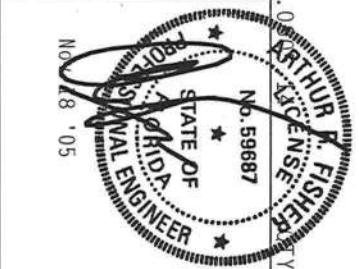
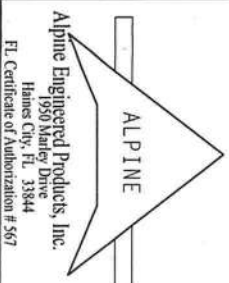


PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

****WARNING**** TROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 583 N. WILSON, WILSON, IL 61719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. ALWAYS ORIENTATE INSTRUCTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

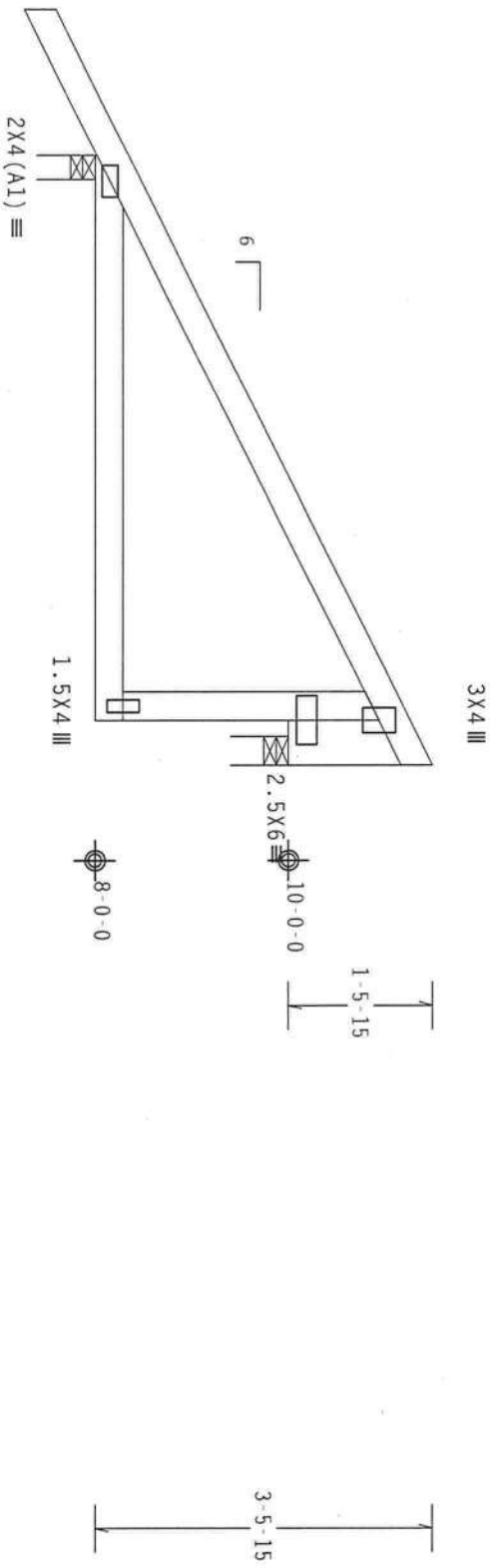
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TROSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/160A (K/H/S/K) ASTM A653 GRADE 40/60 (K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROSS 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 TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TROSS COMPONENT DESIGN GROUP. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF R487-- 32033
TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUSR487 05321055
BC LL	0.0 PSF	HC-ENG DF/AF
TOT. LD.	40.0 PSF	SEQN- 16187
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SS8487_202

Scale = .5"/ft.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x6 SP #2:



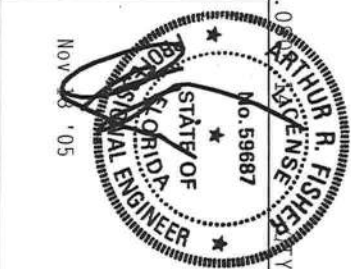
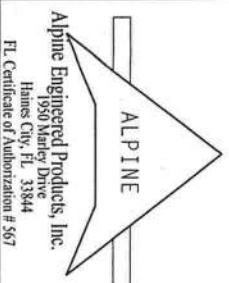
←1-6-0→
5-8-4
0-1-12
6-3-8 Over 2 Supports
R=367 U=180 W=3"
R=251 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PROVIDED BY THE (CROSS PLATE INSTITUTE, 563 O'CONNOR DR., SUITE 200, MADISON, VT 05710) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., SUITE 100, FARMINGTON, CT 06031) 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 TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN SPEC. BY AFAPA) AND TP1- ALPINE CONNECTOR PLATES ARE MADE OF 20/10/160A (W/J/S/X) ASTM A653 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



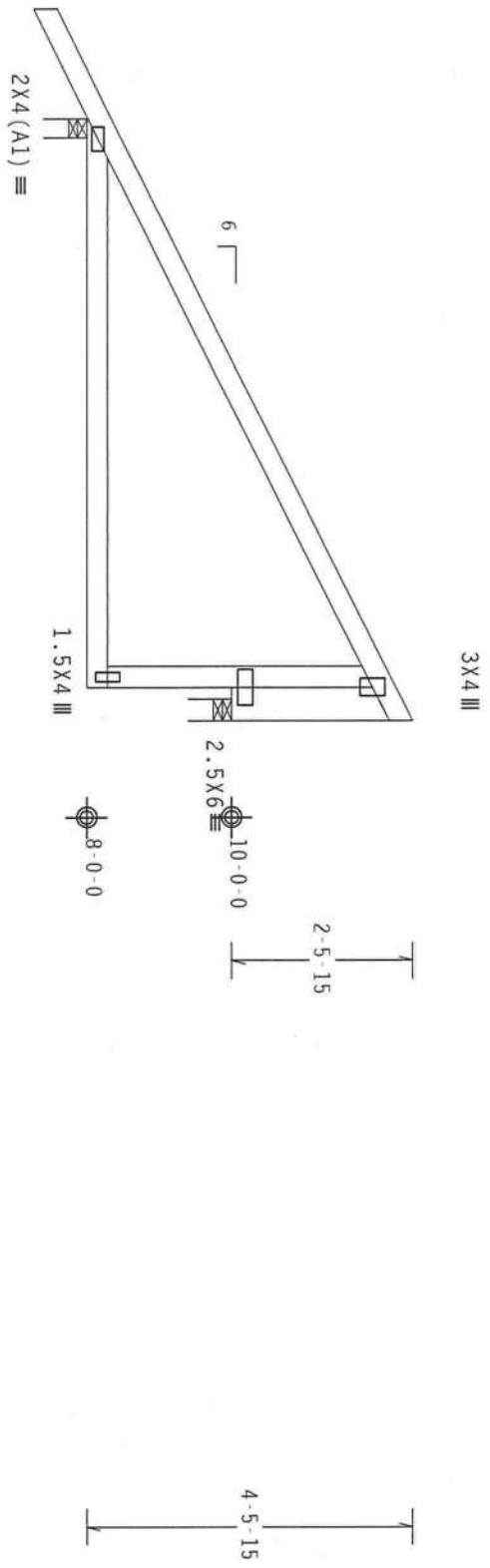
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TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUR487 05321056
BC LL	0.0 PSF	HC-ENG DF/AF
TOT. LD.	40.0 PSF	SEQN- 16191
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SS8487_202

3402 MILLER BUILDCORP / DOUG DELIA JOHNSON 11

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x6 SP #2:

110 mph wind, 10.04 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.



≤ 1-6-0 ≥

7-8-4

0-1-12

8-3-8 Over 2 Supports

R=442 U=180 W=3"

R=341 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

Scale = .375"/ft.

****WARNING**** TROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TROSS PLATE INSTITUTE, 583 HUNTERWOOD DR., SUITE 200, ANDERSON, SC 29621, AND THE TROSS CODE OF AMERICA, 600 WEST 18TH AVE., MOBILE, AL 36688, FOR ADDITIONAL INFORMATION. THE TROSS CODE OF AMERICA, 600 WEST 18TH AVE., MOBILE, AL 36688, SHALL BE FOLLOWED FOR ALL TROSS DESIGN, FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 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 TROSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TROSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (A/N/S/K) ASTM A653 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROSS 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 TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TROSS COMPONENT DESIGN SHOW. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.

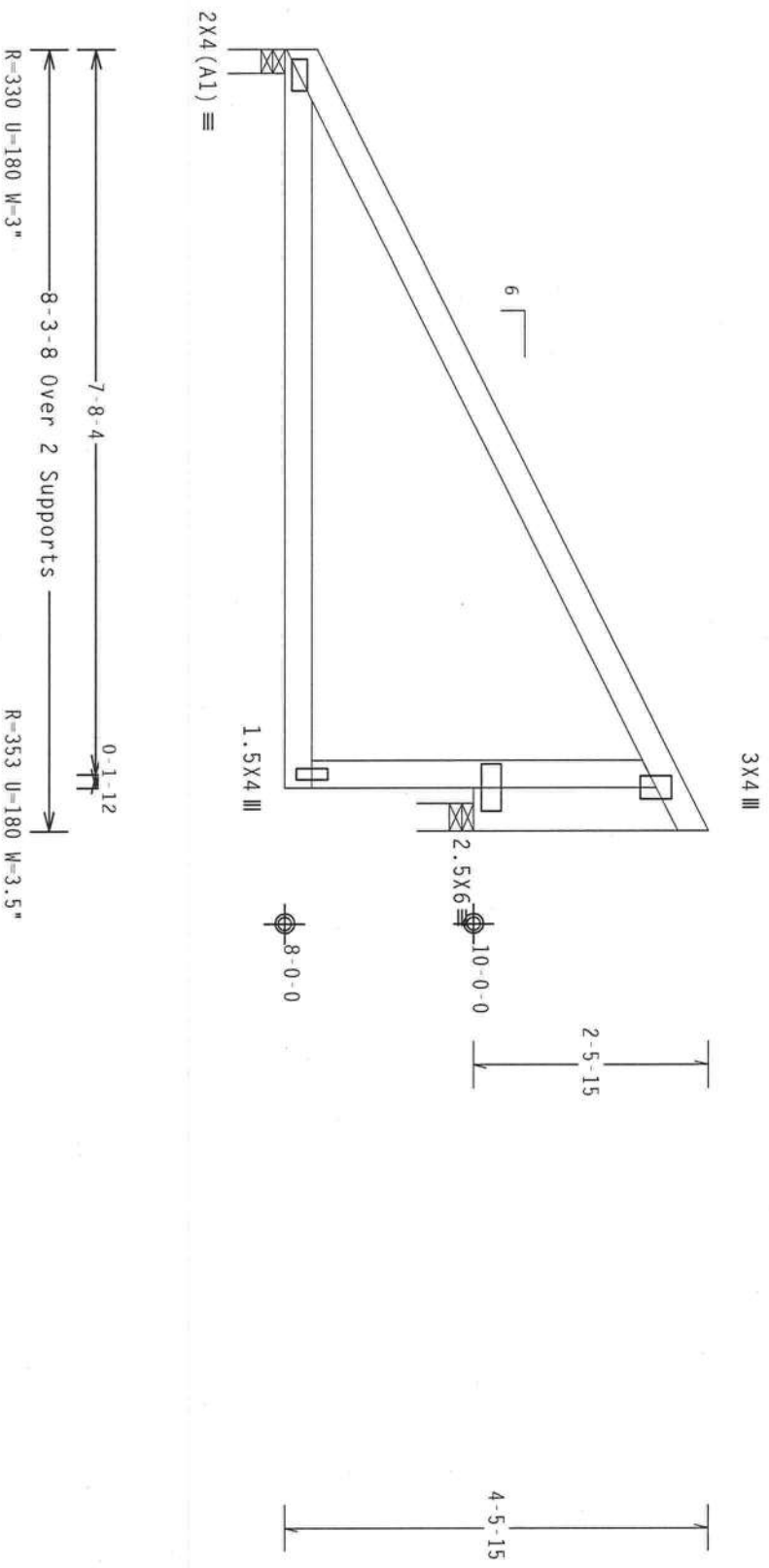
ALPINE

Alpine Engineered Products, Inc.
1050 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 18 '05

TC LL	20.0 PSF	REF R487-- 32035
TC DL	10.0 PSF	DATE 11/17/05
BC DL	10.0 PSF	DRW HCUR487 05321057
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 16175
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SS8487_202

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x6 SP #2:



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

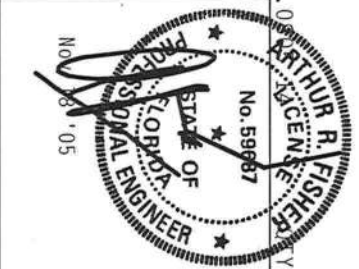
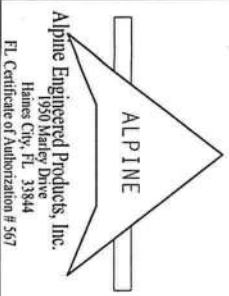
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FL/-/3/-/-/R/-

Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 FOR BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 508 MONROE DRIVE, SUITE 200, FARMINGTON, CT 06031, AND WICHITA TRUSS COMPANY OF AMERICA, 6500 WILSON ST., WICHITA, KS 67212. THE TRUSS COMPANY OF AMERICA IS NOT RESPONSIBLE FOR THE DESIGN OF THE TRUSS. 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 TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA/ASCE DESIGN SPEC. BY AIA/ASCE AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (40/50/60 GA, 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 TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



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TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW	HCU8R487 05321058
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN-	16179
DUR.FAC.	1.25		
SPACING	24.0"		

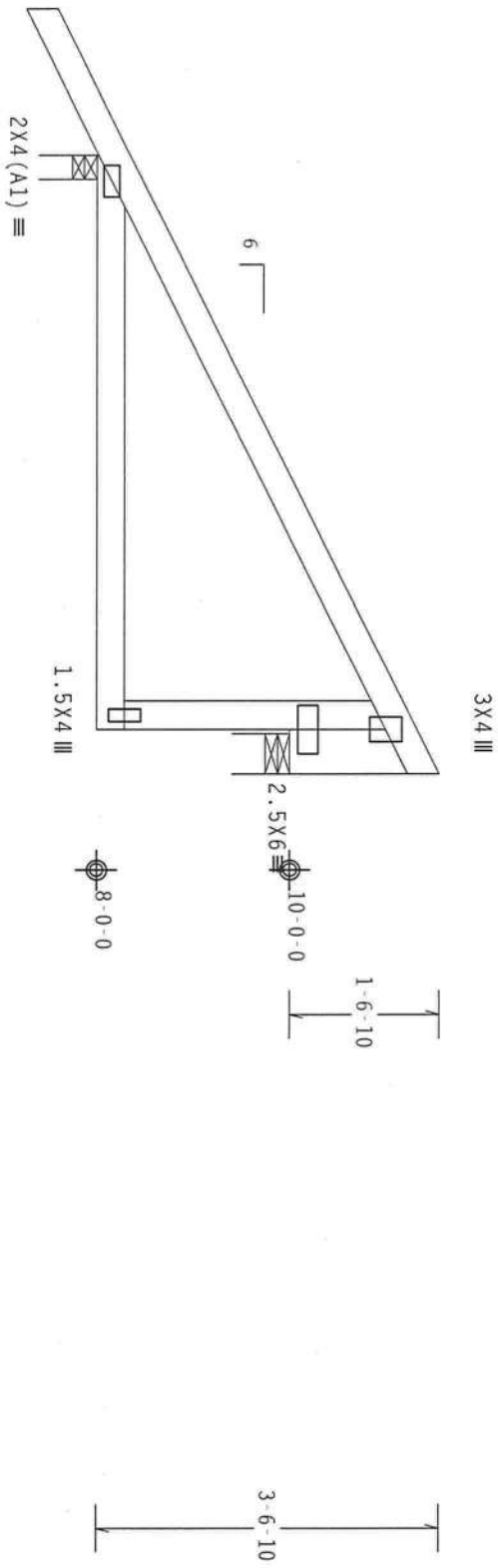
JREF -	1SS8487_202
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0-402-MILITARY BULBTRUCK / DOUG & DELIA JOHNSON 112)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
: Rt Bearing Leg 2x6 SP #2:

110 mph wind, 9.58 ft mean hgt, ASCE 7-98, 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/360 live and L/240 total load.



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.05

Scale = .5"/Ft.

****WARNING**** TROSSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TROSSS PLATE INSTITUTE, 593 MADISON, MI 48131) FOR SAFETY PRACTICES PRIOR TO REPAIRING THESE STRUCTURES. ALL TROSSSES MUST BE PROPERLY BRACED. 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 TROSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROSSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONSTRUCTION PLATES ARE MADE OF 20/19/16GA (U/H/S/K) ASTM A653 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROSS 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 TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROSS 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.

ALPINE

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

ARTHUR R. FISHER, P.E.
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
NOV 11 2005

TY:1

TC LL	20.0 PSF	REF R487--	32037
TC DL	10.0 PSF	DATE	11/17/05
BC DL	10.0 PSF	DRW HCUR487	05321059
BC LL	0.0 PSF	HC-ENG DF/AF	
TOT.LD.	40.0 PSF	SEON-	16183
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SS8487_202

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

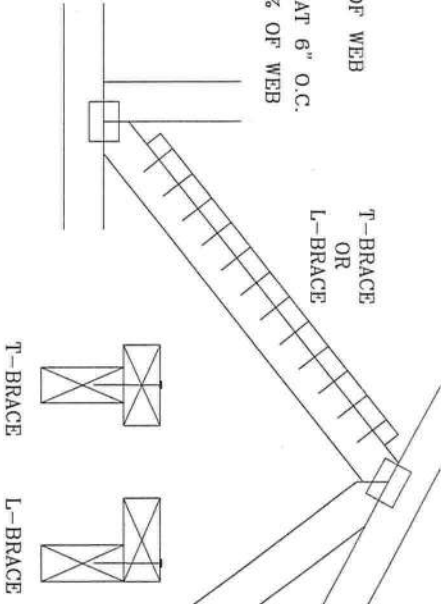
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

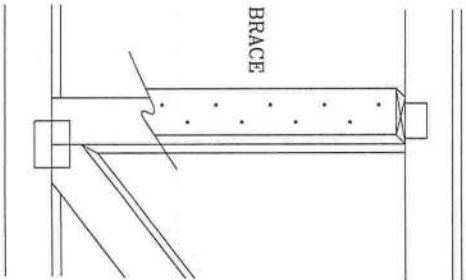
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d OR .128"x3" GUN
NAILS AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



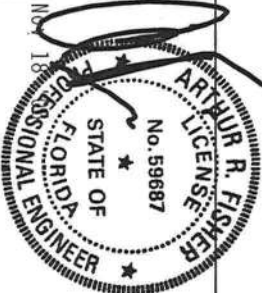
THIS DRAWING REPLACES DRAWING 579.640

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CROSS PLATE INSTITUTE, 263 BONDSTREET DR., SUITE 200, MADISON, VT 05759, AND CHECK LOCAL TRUSS COUNCIL FOR ANY ADDITIONAL REQUIREMENTS. THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, SHALL BE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO 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 CONTRACTORS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. BY AISC AND TPI. ALPINE CONNECTOR PLATES ARE MADE BY 2018/1816G (A)/1578 ASH A853 GRADE. ALPINE DESIGN GROUP SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL TRUSSES. THESE TRUSSES SHALL BE PER DESIGN A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

BEARING BLOCK NAIL SPACING DETAIL

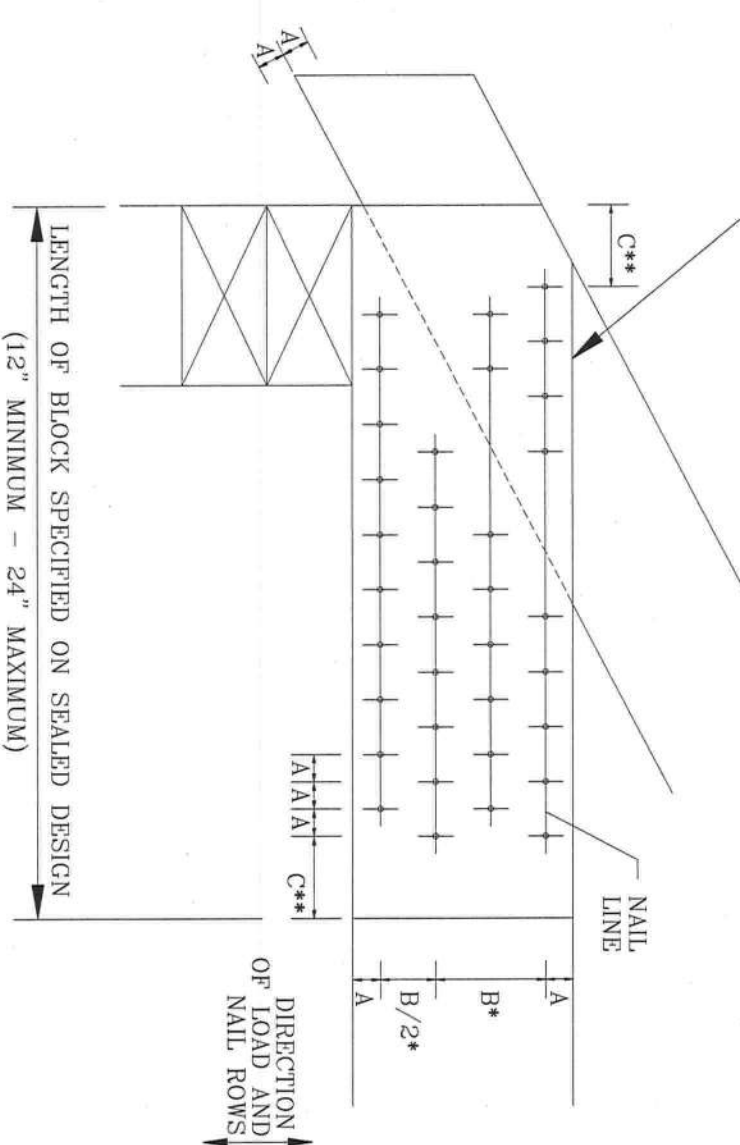
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
• SPACING MAY BE REDUCED BY 50%
• SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES. PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (F_c -perp) IS AT LEAST THAT OF THE CHORD.



NAIL TYPE	CHORD SIZE				
	2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"x2.5")	3	6	9	12	15
10d BOX (0.128"x3")	3	5	7	10	12
12d BOX (0.128"x3.25")	3	5	7	10	12
16d BOX (0.135"x3.5")	3	5	7	10	12
20d BOX (0.148"x4")	2	4	5	6	8
8d COMMON (0.131"x2.5")	3	5	7	10	12
10d COMMON (0.148"x3")	2	4	6	8	10
12d COMMON (0.148"x3.25")	2	4	6	8	10
16d COMMON (0.162"x3.5")	2	4	6	8	10
0.120"x2.5" GUN	3	6	8	11	14
0.131"x2.5" GUN	3	5	7	10	12
0.120"x3.0" GUN	3	6	8	11	14
0.131"x3.0" GUN	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES			
	A	B*	C**	
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"	
10d BOX (0.128"x3")	7/8"	1 5/8"	2"	
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"	
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"	
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"	
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"	
10d COMMON (0.148"x3")	1"	1 7/8"	2 1/4"	
12d COMMON (0.148"x3.25")	1"	1 7/8"	2 1/4"	
16d COMMON (0.162"x3.5")	1"	2"	2 1/2"	
0.120"x2.5" GUN	3/4"	1 1/2"	1 7/8"	
0.131"x2.5" GUN	7/8"	1 5/8"	2"	
0.120"x3.0" GUN	3/4"	1 1/2"	1 7/8"	
0.131"x3.0" GUN	7/8"	1 5/8"	2"	

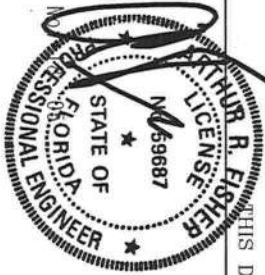
THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699



ALPINE
ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNDORF DR., SUITE 200, MADISON, VI 53719) AND V/CA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VI 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 COPY OF THIS DESIGN TO 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/PAI AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 CW/H/S/NO ASTM A653 GRADE 40/60 CW/H/S GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEE TPI 1-2002 SEC. 3.1 FOR THE TRUSS COMPONENT DESIGN SHOWING THE LOCATION OF THE SEAL. THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 6



ARTHUR R. FISHER
LICENSE
No. 65687
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

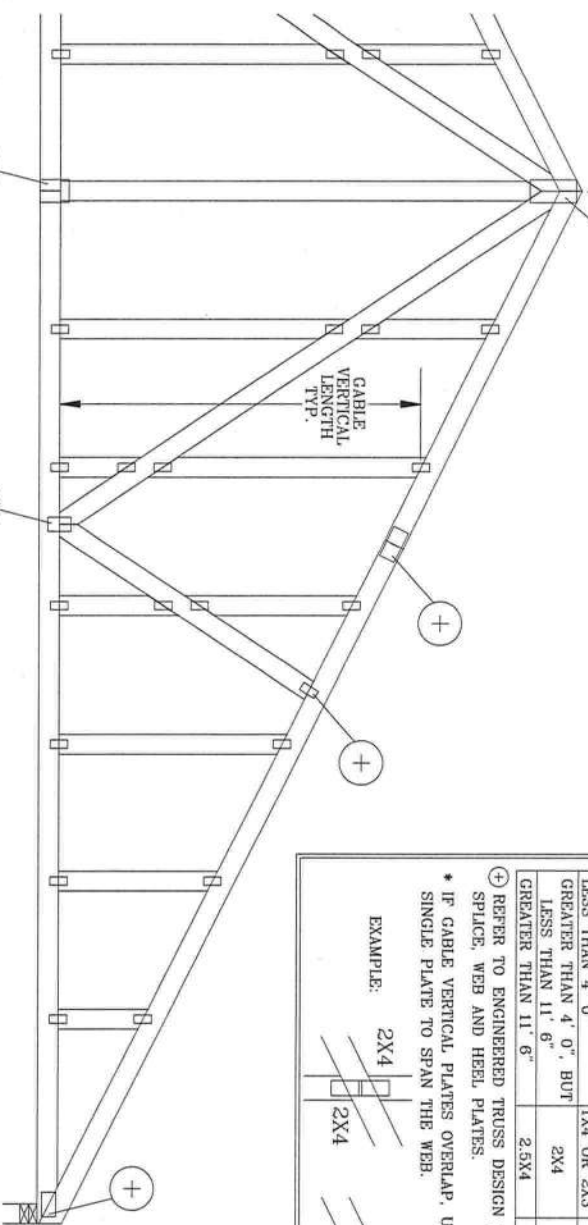
REF BEARING BLOCK

DATE 11/26/03

DRWG CNBRGBLK1103

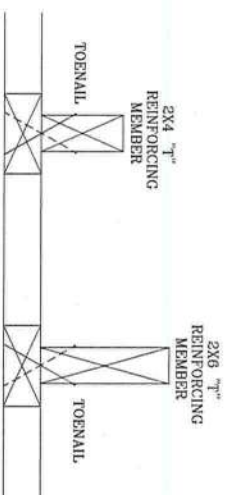
-ENG SJP/KAR

SYM. $\oplus$
ABOUT $\oplus$



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

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



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

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

WEB LENGTH INCREASE $W / "J"$ BRACE

WIND SPEED AND MPH	"T" REIN. MBR. SIZE	SBCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	0 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

CABLE VERTICAL = 24" O.C. SP #3

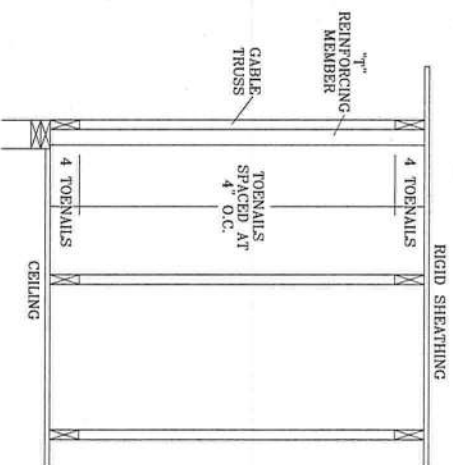
REINFORCING MEMBER SIZE = 2X4

(1) 2YA "1" BRACE LENGTH = 6' 2"

MAXIMUM "T" REINFORCED CABLE VERTICAL LENGTH

$$1.10 \times 6' \gamma'' = \gamma''$$

REPLACES DRAWINGS GAB98117 876,719 & HC26294035



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN
ATTACH EACH "I" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS - 0.131" X 3";

TOENAILS AT 4" O.C. PLUS (4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE CABLE DETAIL FOR ASCENDING OR DESCENDING WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103

A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 CABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103

A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103,

SBCCI CABLE DETAIL DRAWINGS

S10I5EN103, S100I5EN103, S090I5EN103, S080I5EN103, S070I5EN103,

S1030EN103, S10030EN103, S09030EN103, S08030EN103, S07030EN103

SEE APPROPRIATE ALPINE CABLE DETAIL (ASCE OR SBCC)

VERTICAL LENGTH

*****WARNING***** ISSUES REQUIRING EXTREME CARE, FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC-1-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 5849 DUNDORF RD., SUITE 200, MADISON, WI 53719, AND VITA (WOOD TRUSS CONCRETE 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.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA



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

REF LET-IN VERT

DATE 01/16/04

DRWG GBLLETIN1103

-ENG DLJ/KAR

MAX SPACING 24.0"