

DATE02/16/2006

Columbia County Building Permit

PERMIT000024139

This Permit Expires One Year From the Date of Issue

APPLICANTWADE WILLIS

PHONE623.3331

ADDRESSPOB 1546

LAKE CITY

FL32056

OWNERJASON/SHANNON TURBERVILLE/S. SKINNER

PHONE

ADDRESS288SW SAPLING GLEN

LAKE CITY

FL32024

CONTRACTORWADE WILLIS

PHONE386.623.3331

LOCATION OF PROPERTY47-S TO C-240 TO MAULDIN RD,TL TO 1/4 MILE TO SAPLING GLEN,TR 3RD PLACE ON L.

TYPE DEVELOPMENTSFD/UTILITY

ESTIMATED COST OF CONSTRUCTION159600.00

HEATED FLOOR AREA3192.00

TOTAL AREA4302.00

HEIGHT28.00

STORIES2

FOUNDATIONCONC

WALLSFRAMED

ROOF PITCH10'12

FLOORCONC

LAND USE & ZONINGA-3

MAX. HEIGHT35

Minimum Set Back Requirments:

STREET-FRONT30.00

REAR25.00

SIDE25.00

NO. EX.D.U.0

FLOOD ZONEX

DEVELOPMENT PERMIT NO.

PARCEL ID09-5S-16-03499-004

SUBDIVISION

LOT

BLOCK

PHASE

UNIT

TOTAL ACRES10.04

CBC1252491

Culvert Permit No.PRIVATE

Culvert Waiver06-0098-N

Contractor's License NumberBLK

Applicant/Owner/ContractorJTHN

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS:1 FOOT ABOVE ROAD

Check # or Cash586

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

date/app. by

date/app. by

date/app. by

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

date/app. by

date/app. by

Framing

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

date/app. by

date/app. by

Permanent power

C.O. Final

Culvert

date/app. by

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

Pool

date/app. by

date/app. by

Reconnection

Pump pole

Utility Pole

date/app. by

date/app. by

date/app. by

M/H Pole

Travel Trailer

Re-roof

date/app. by

date/app. by

date/app. by

BUILDING PERMIT FEE \$800.00

CERTIFICATION FEE \$21.51

SURCHARGE FEE \$21.51

MISC. FEES \$0.00

ZONING CERT. FEE \$50.00

FIRE FEE \$0.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$25.00

CULVERT FEE \$

TOTAL FEE918.02

INSPECTORS OFFICE

CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.



ELK

ROOFING PRODUCTS SPECIFICATIONS – TUSCALOOSA, AL



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE™

**Prestique Plus *High Definition*
and Prestique Gallery Collection™**

Product size	13¼" x 39 ¾"	50-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.
Exposure	5"	
Pieces/Bundle	16	
Bundles/Square	4/98.5 sq.ft.	
Squares/Pallet	11	

Raised Profile

Product size	13¼" x 38"	30-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.
Exposure	5"	
Pieces/Bundle	22	
Bundles/Square	3/100 sq.ft.	
Squares/Pallet	16	

Prestique I *High Definition*

Product size	13¼" x 39 ¾"	40-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.
Exposure	5"	
Pieces/Bundle	16	
Bundles/Square	4/98.5 sq.ft.	
Squares/Pallet	14	

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12" x 12"
Exposure: 6 ½"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Prestique *High Definition*

Product size	13¼" x 38 ¾"	30-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.
Exposure	5"	
Pieces/Bundle	22	
Bundles/Square	3/100 sq.ft.	
Squares/Pallet	16	

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Shakeswood, Sablewood, Hickory, Barkwood**, Forest Green, Wedgewood**, Birchwood**, Sandalwood.
Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

*See actual limited warranty for conditions and limitations.

**Check for product availability.

SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

MATERIALS: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low slopes [4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)], use two plies of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

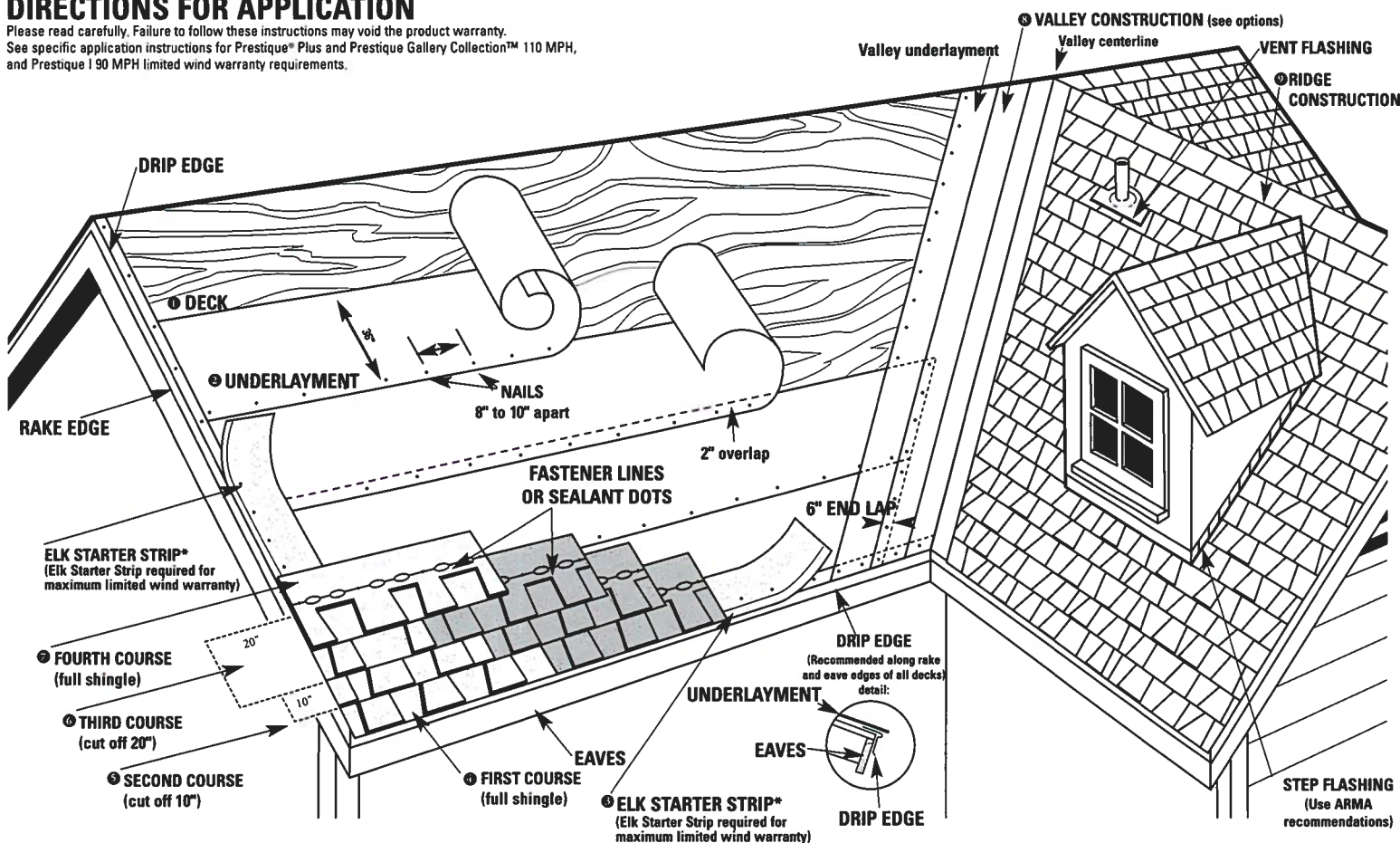
PLANT LOCATION:
800.945.5545

ELK
www.elkcorp.com

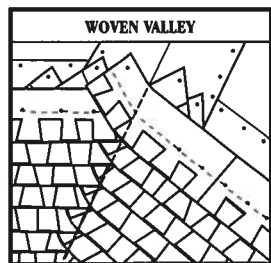
SSOOT 01/02

DIRECTIONS FOR APPLICATION

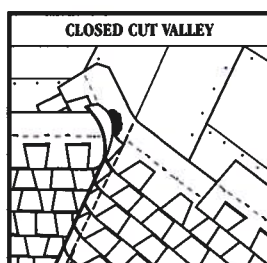
Please read carefully. Failure to follow these instructions may void the product warranty. See specific application instructions for Prestique® Plus and Prestique Gallery Collection™ 110 MPH, and Prestique I 90 MPH limited wind warranty requirements.



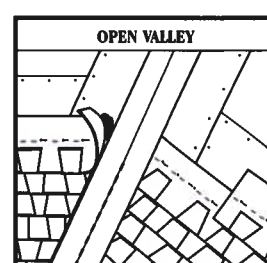
● **VALLEY CONSTRUCTION OPTION** (California Open and California Closed are also acceptable) NOTE: For complete ARMA valley installation details, see ARMA Residential Asphalt Roofing Manual.



VALLEY CENTER LINE



VALLEY CENTER LINE



VALLEY CENTER LINE

DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

① DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

② UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Cover drip edge at eaves only.

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Field Service Department for application specifications over other decks and other slopes.

③ STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR A STRIP SHINGLE INVERTED WITH THE HEADLAP APPLIED AT THE EAVE EDGE. With at least 4" trimmed from the end of the first shingle, start at the rake edge overhanging the eave 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

④ FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof.

⑤ SECOND COURSE

Start at the rake with the shingle having 10" trimmed off and continue across roof with full shingles.

⑥ THIRD COURSE

Start at the rake with the shingle having 20" trimmed off and continue across roof with full shingles.

⑦ FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof.

⑧ VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying 18" metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

⑨ RIDGE CONSTRUCTION

For ridge construction use Class "A" Seal-A-Ridge® with formula FLX™ (See ridge package for installation instructions.)

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Always nail or staple through the fastener line or on products without fastener lines, nail or staple between and in line with sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for re-roofs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less.

MANSARD APPLICATIONS

Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

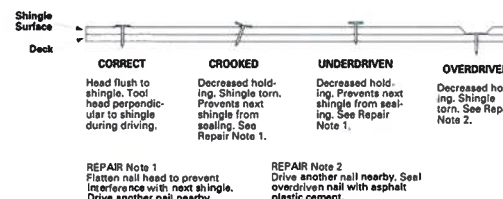
• For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.

* For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.



HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.

All Prestique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALE: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

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All trademarks, ®, are registered trademarks of Elk Corporation of Dallas, an ELCOR company. Raised Profile, RidgeCrest, Gallery Collection and FLX are trademarks pending registration of Elk Corporation of Dallas. UL is a registered trademark of Underwriters Laboratories, Inc.

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0602-33 Date Received 4/9/06 By JW Permit # 24139
 Application Approved by - Zoning Official BLK Date 15.02.06 Plans Examiner OK JH Date 2-14-06
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments = NOP =

Applicants Name Wade Willis Phone 755-9809
 Address POB 1546, L.C. FL 32056-1546 Phone 386 623-3331
 Owners Name Jason + Shanna Teichertville and Sandra Skinner Phone _____
 911 Address 289 SW Sapling Glens
 Contractors Name Wade Willis Con Phone 386-623-3331
 Address PB Box 1546 Lake City FL 32056
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Tim Delbene R+4 Box 330 LC FL 32055
 Mortgage Lenders Name & Address First Federal
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 04-55-16-03499-004 Estimated Cost of Construction 350,000
 Subdivision Name Meet + Bounds Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions 47 turn right on 240 1 1/2 mile to mallin. turn left 1/4 mile to sapling glens turn right 3rd house on left
 Type of Construction new res Number of Existing Dwellings on Property 0
 Total Acreage 10.04 Lot Size X Do you need a - Private Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 200' Side 130' Side 284.68' Rear 604.6'
 Total Building Height 29' Number of Stories 2 Heated Floor Area 3192 Roof Pitch 10/12 12/12
PORCHES 701 GARAGE 728 BONUS ROOM 319 TOTAL 4302

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.

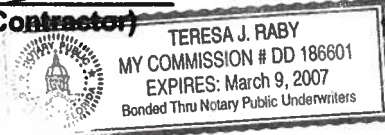
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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 9 day of February 2006.
 Personally known ✓ or Produced Identification _____



Contractor Signature

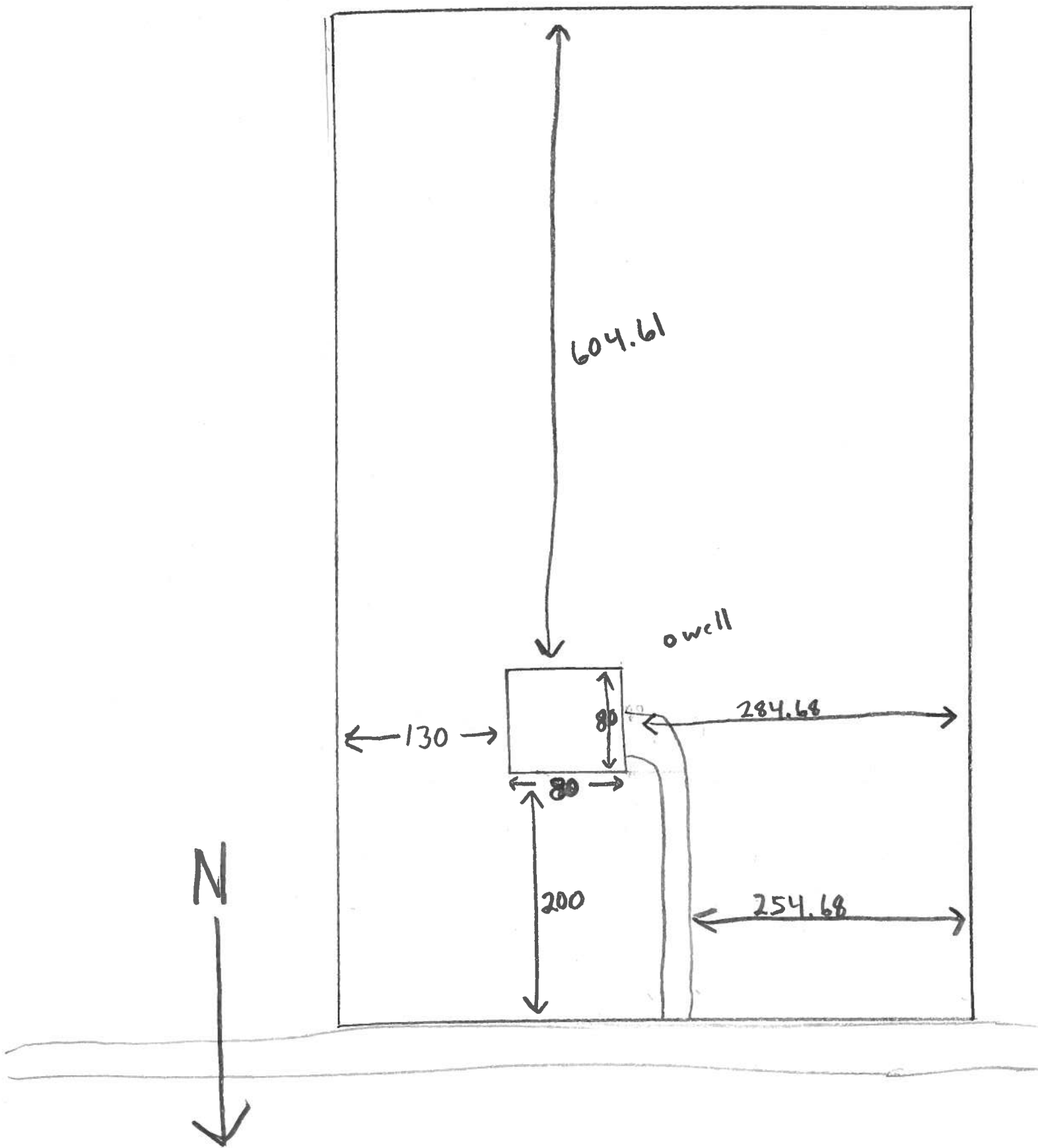
Contractors License Number CBC 1252491

Competency Card Number _____

NOTARY STAMP/SEAL

Notary Signature Teresa J Raby

\$ 918.02
at 586.





APPROXIMATE SCALE IN FEET



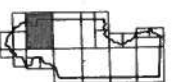
NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 225 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0225 B
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nifm.

Columbia County Property Appraiser

DB Last Updated: 9/16/2005

Parcel: 09-5S-16-03499-004

Tax Record

Property Card

Interactive GIS Map

Print

2005 Proposed Values

Owner & Property Info

Search Result: 1 of 1

Owner's Name	SKINNER SANDRA K
Site Address	
Mailing Address	10434 SW CR 240 LAKE CITY, FL 32024
Brief Legal	COMM SE COR OF SEC & RUN W 659.13 FT, N 440.60 FT TO POB, W 494.46 FT, N 884.61 FT TO

Use Desc. (code)	NO AG ACRE (009900)
Neighborhood	9516.00
Tax District	3
UD Codes	MKTA01
Market Area	01
Total Land Area	10.040 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$53,252.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$53,252.00

Just Value	\$53,252.00
Class Value	\$0.00
Assessed Value	\$53,252.00
Exempt Value	\$0.00
Total Taxable Value	\$53,252.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
1/8/2004	1004/1379	WD	V	Q		\$44,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	10.040 AC	1.00/1.00/1.00/1.00	\$5,304.00	\$53,252.00

Columbia County Property Appraiser

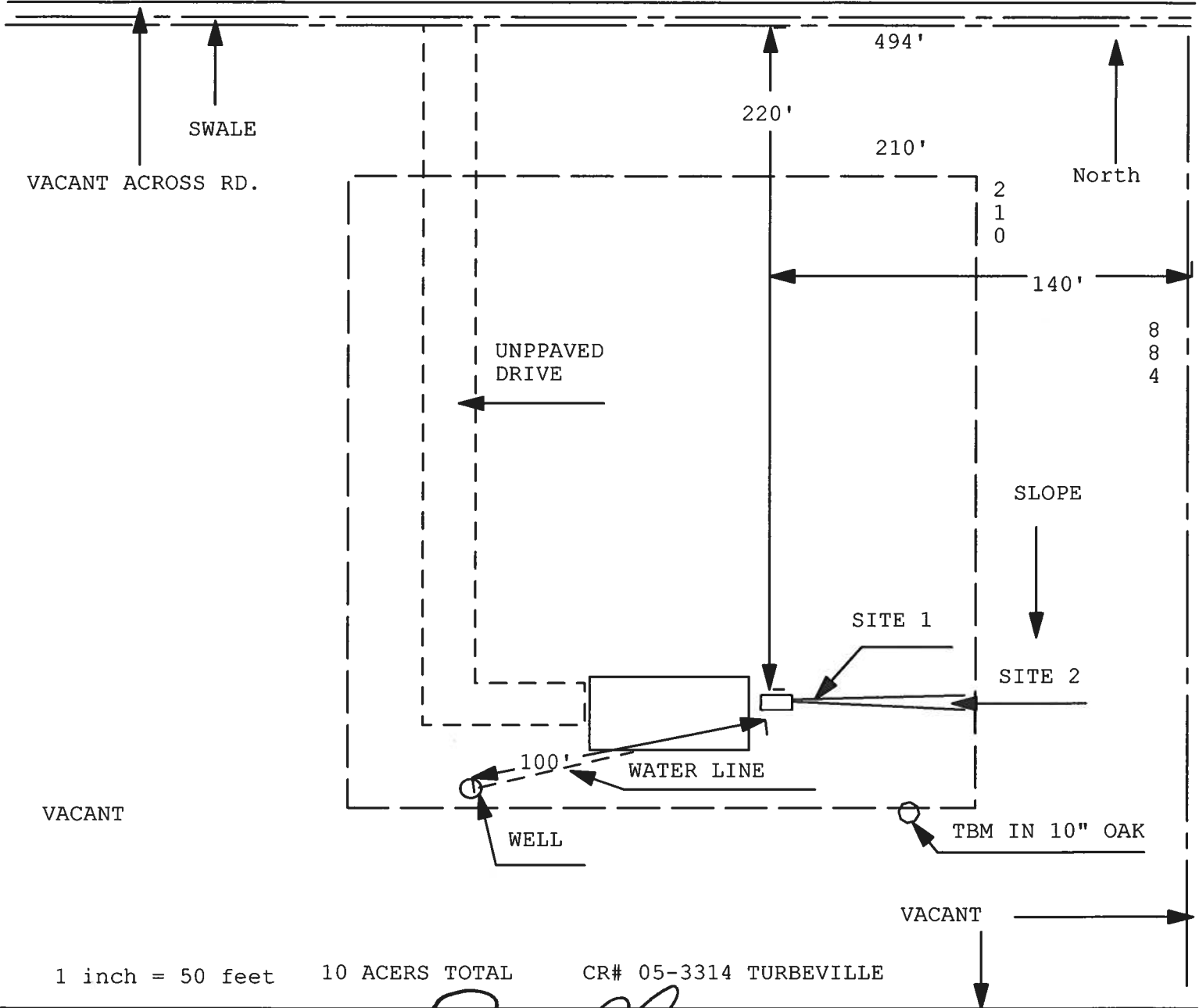
DB Last Updated: 9/16/2005

1 of 1

Disclaimer

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0098N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



1 inch = 50 feet

10 ACERS TOTAL

CR# 05-3314 TURBEVILLE

Site Plan Submitted By Paul L. Lapp Date 1/25/06
Plan Approved ✓ Not Approved _____ Date 2-1-06

By M. S. H. Columbia CPHU

Notes: _____

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~XXXXXX~~ XXXX
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

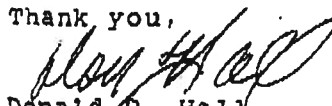
June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,


Donald D. Hall
DDH/jk

Wade Willis Const.
Turberville Residence

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Turbeville Residence**
Address: **SW Sapling Glen**
City, State: **Lake City, FL 32055-**
Owner: **S. Turbeville**
Climate Zone: **North**

Builder: **Wade Willis**
Permitting Office: **Columbia Co**
Permit Number: **29139**
Jurisdiction Number: **121000 221000**

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 3 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 3192 ft² ☐
7. Glass area & type Single Pane Double Pane ☐
 - a. Clear glass, default U-factor 0.0 ft² 258.0 ft² ☐
 - b. Default tint 0.0 ft² 0.0 ft² ☐
 - c. Labeled U or SHGC 0.0 ft² 0.0 ft² ☐
8. Floor types ☐
 - a. Slab-On-Grade Edge Insulation R=0.0, 296.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types ☐
 - a. Frame, Wood, Exterior R=13.0, 2358.0 ft² ☐
 - b. Frame, Wood, Exterior R=13.0, 673.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types ☐
 - a. Under Attic R=30.0, 2873.0 ft² ☐
 - b. Under Attic R=30.0, 319.0 ft² ☐
 - c. N/A ☐
11. Ducts ☐
 - a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 30.0 ft ☐
 - b. N/A ☐

12. Cooling systems ☐
 - a. Central Unit Cap: 35.0 kBtu/hr SEER: 14.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems ☐
 - a. Electric Heat Pump Cap: 35.0 kBtu/hr HSPF: 7.90 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems ☐
 - a. Electric Resistance Cap: 30.0 gallons EF: 0.90 ☐
 - b. N/A ☐
 - c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) ☐
15. HVAC credits PT, CF, ☐

(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)

Glass/Floor Area: 0.08

Total as-built points: 32727
Total base points: 43746

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Tim Delbene
DATE: 1/31/06 T.A. Della

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____
DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____
DATE: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: SW Sapling Glen, Lake City, FL, 32055-

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	3192.0	20.04	11514.2	Double, Clear	N	2.0	5.0	9.0	19.20	0.87	150.5
				Double, Clear	N	2.0	8.0	36.0	19.20	0.94	648.8
				Double, Clear	N	10.0	8.0	36.0	19.20	0.68	467.1
				Double, Clear	N	2.0	8.0	15.0	19.20	0.94	270.3
				Double, Clear	S	12.0	9.0	44.0	35.87	0.48	763.9
				Double, Clear	S	12.0	7.0	60.0	35.87	0.46	988.1
				Double, Clear	S	2.0	7.0	30.0	35.87	0.82	882.5
				Double, Clear	S	2.0	5.0	20.0	35.87	0.72	519.0
				Double, Clear	E	2.0	5.0	8.0	42.06	0.80	268.2
				As-Built Total:		258.0			4958.4		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		2358.0	1.50	3537.0		
Exterior	3031.0	1.70	5152.7	Frame, Wood, Exterior	13.0		673.0	1.50	1009.5		
Base Total:				As-Built Total:		3031.0			4546.5		
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	21.0	2.40	50.4	Exterior Insulated			21.0	4.10	86.1		
Exterior	42.0	6.10	256.2	Exterior Insulated			21.0	4.10	86.1		
				Adjacent Insulated			21.0	1.60	33.6		
Base Total:				As-Built Total:		63.0			205.8		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	3192.0	1.73	5522.2	Under Attic	30.0		2873.0	1.73 X 1.00	4970.3		
				Under Attic	30.0		319.0	1.73 X 1.00	551.9		
Base Total:				As-Built Total:		3192.0			5522.2		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	296.0(p)	-37.0	-10952.0	Slab-On-Grade Edge Insulation	0.0		296.0(p)	-41.20	-12195.2		
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		296.0			-12195.2		
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
3192.0 10.21 32590.3							3192.0 10.21 32590.3				

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**ADDRESS: **SW Sapling Glen, Lake City, FL, 32055-**

PERMIT #:

BASE				AS-BUILT									
Summer Base Points: 44134.0				Summer As-Built Points: 35628.0									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
							(DM x DSM x AHU)						
44134.0		0.4266	18827.5	35628.0		1.000	(1.090 x 1.147 x 1.00)	0.244		0.902		9800.2	
				35628.0		1.00	1.250	0.244		0.902		9800.2	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Sapling Glen, Lake City, FL, 32055-**

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	3192.0	12.74	7319.9	Double, Clear	N	2.0	5.0	9.0	24.58	1.01	222.7
				Double, Clear	N	2.0	8.0	36.0	24.58	1.00	886.9
				Double, Clear	N	10.0	8.0	36.0	24.58	1.02	903.4
				Double, Clear	N	2.0	8.0	15.0	24.58	1.00	369.5
				Double, Clear	S	12.0	9.0	44.0	13.30	3.15	1842.7
				Double, Clear	S	12.0	7.0	60.0	13.30	3.44	2742.2
				Double, Clear	S	2.0	7.0	30.0	13.30	1.17	467.1
				Double, Clear	S	2.0	5.0	20.0	13.30	1.40	372.4
				Double, Clear	E	2.0	5.0	8.0	18.79	1.08	162.9
				As-Built Total:				258.0	7969.8		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		2358.0	3.40		8017.2	
Exterior	3031.0	3.70	11214.7	Frame, Wood, Exterior	13.0		673.0	3.40		2288.2	
Base Total:				3031.0				11214.7			
				As-Built Total:				3031.0		10305.4	
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	21.0	11.50	241.5	Exterior Insulated			21.0	8.40		176.4	
Exterior	42.0	12.30	516.6	Exterior Insulated			21.0	8.40		176.4	
				Adjacent Insulated			21.0	8.00		168.0	
Base Total:				63.0				758.1			
				As-Built Total:				63.0		520.8	
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	3192.0	2.05	6543.6	Under Attic	30.0		2873.0	2.05 X 1.00		5889.6	
				Under Attic	30.0		319.0	2.05 X 1.00		654.0	
Base Total:				3192.0				6543.6			
				As-Built Total:				3192.0		6543.6	
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	296.0(p)	8.9	2634.4	Slab-On-Grade Edge Insulation	0.0		296.0(p)	18.80		5564.8	
Raised	0.0	0.00	0.0								
Base Total:				2634.4				296.0		5564.8	
				As-Built Total:				296.0		5564.8	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
3192.0 -0.59 -1883.3				3192.0 -0.59 -1883.3							

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**ADDRESS: **SW Sapling Glen, Lake City, FL, 32055-**

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		26587.4		Winter As-Built Points:				29021.1			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
26587.4		0.6274	16680.9	29021.1		1.000	(1.069 x 1.169 x 1.00)	0.432	0.950	14871.6	
				29021.1		1.00	1.250	0.432	0.950	14871.6	

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**ADDRESS: **SW Sapling Glen, Lake City, FL, 32055-**

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms			Total						
3		2746.00	8238.0	30.0	0.90	3		1.00	2684.98
									1.00
									8054.9
				As-Built Total:					8054.9

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Cooling	+	Heating	=
Points		Points		Points	Total	Points		Points	Total
Points		Points		Points	Points	Points		Points	Points
18828		16681		8238	43746	9800		14872	32727

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Sapling Glen, Lake City, FL, 32055-**

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq. ft. window area; .5 cfm/sq. ft. door area.	✓
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	✓
Floors	606.1.ABC.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	✓
Ceilings	606.1.ABC.1.2.3	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; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	✓
Recessed Lighting Fixtures	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	Air barrier on perimeter of floor cavity between floors.	✓
Additional Infiltration reqts	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	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	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%.	N/A
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
Air Distribution Systems	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. Ducts in unconditioned attics: R-6 min. insulation.	✓
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	✓

Certificate of Compliance for Termite Protection
(As required by Florida Building Code (FBC) 1816.1.7)



17856 U.S. 129
McALPIN, FLORIDA 32062
(386) 362-3887
1-800-771-3887
Fax: (386) 364-3529

Jason Turberville 288 Saplin Glenn Lake City, FL 32055

Address of Treatment or Lot/Block of Treatment

Soil barrier spray

Method of Termite Prevention Treatment - soil barrier, wood treatment, bait system, other
(describe)

Permit# 000024139

The building has received a complete treatment for the prevention of subterranean termites. The treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services.

A handwritten signature in black ink that reads "Dana Tidwell". The signature is written in a cursive style and is positioned above a horizontal line.

Authorized Signature

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

0602-33

Reference to: Build permit application Number:

Wade Willis owner Bonnie Sammons 288 SW Sapling Glen

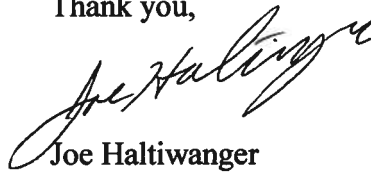
On the date of February 14, 2006 application 0602-33 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0602-33 when making reference to this application.

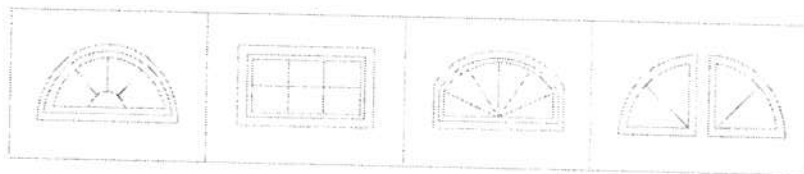
- ✓ 1. On the elevation plan show the total height in feet, of the structure from the established grade to the highest roof ridge.
- ✓ 2. Please verify compliance with the FRC-2004 section R308.4 Hazardous locations:
Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface.
3. In the Garage area the FRC-2004 section R309.2 requires that. The garage shall be separated from the residence and its attic area by not less than ½-inch (12.7

mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than 1/2-inch (12.7 mm) gypsum board or equivalent.

Thank you,

A handwritten signature in black ink, appearing to read "Joe Haltiwanger", written in a cursive style.

Joe Haltiwanger
Plan Examiner
Columbia County Building Department



SERIES 2900 PERFORMANCE INFORMATION



STRUCTURAL TEST INFORMATION

The Series 2900 New Construction Single Hung Window is tested and certified to the AAMA/NWWDA 101/I.S.2 specification for structural performance.

TEST METHOD	WINDOW SIZE	AIR INFILTRATION @ 25 MPH	WATER RESISTANCE	STRUCTURAL TEST PRESSURE	DP RATING
AAMA/NWWDA 101/I.S.2	38" X 60"	0.09 CFM	7.50 PSF	75.0 PSF	DP-50
	36" X 62"	0.09 CFM	7.50 PSF	75.0 PSF	DP-50
	44" X 62"	0.09 CFM	7.50 PSF	67.5 PSF	DP-45
	48" X 72"	0.10 CFM	7.50 PSF	45.0 PSF	DP-30



THERMAL TEST INFORMATION

The Series 2900 New Construction Single Hung Window is tested and certified to the NFRC 100-97 specification for the thermal performance of the entire window unit.

TEST METHOD	GLAZING TYPE	U VALUE	SHGC	VISIBLE LIGHT TRANSMITTANCE	ENERGY STAR COMPLIANCE
NFRC 100-97	Clear I.G.	0.50	0.60	0.62	-
	LoE ² I.G.	0.35	0.33	0.55	C S
	LoE ² /Argon I.G.	0.31	0.33	0.55	N C S
	Clear I.G. with Flat Grille	0.50	0.54	0.55	-
	LoE ² I.G. with Flat Grille	0.35	0.30	0.49	C S
	LoE ² /Argon I.G. with Flat Grille	0.31	0.30	0.49	N C S

ENERGY STAR® COMPLIANCE

The ENERGY STAR® program was developed by the U.S. Department of Energy and the Environmental Protection Agency to help consumers identify products that save energy. Requirements for windows are tailored to meet the energy needs of the country's three different regions - Northern, Central and Southern. ENERGY STAR® windows must be rated, certified and labeled by the National Fenestration Rating Council (NFRC) for U-value and solar heat gain coefficient.



CLIMATE REGION	U-VALUE	SOLAR HEAT GAIN COEFFICIENT
N Northern	< = 0.35	No Requirement
C Central	< = 0.40	< = 0.40
S Southern	< = 0.75	< = 0.40



For more information on Silver Line Windows visit us at www.silverlinewindows.com



SERIES 2900

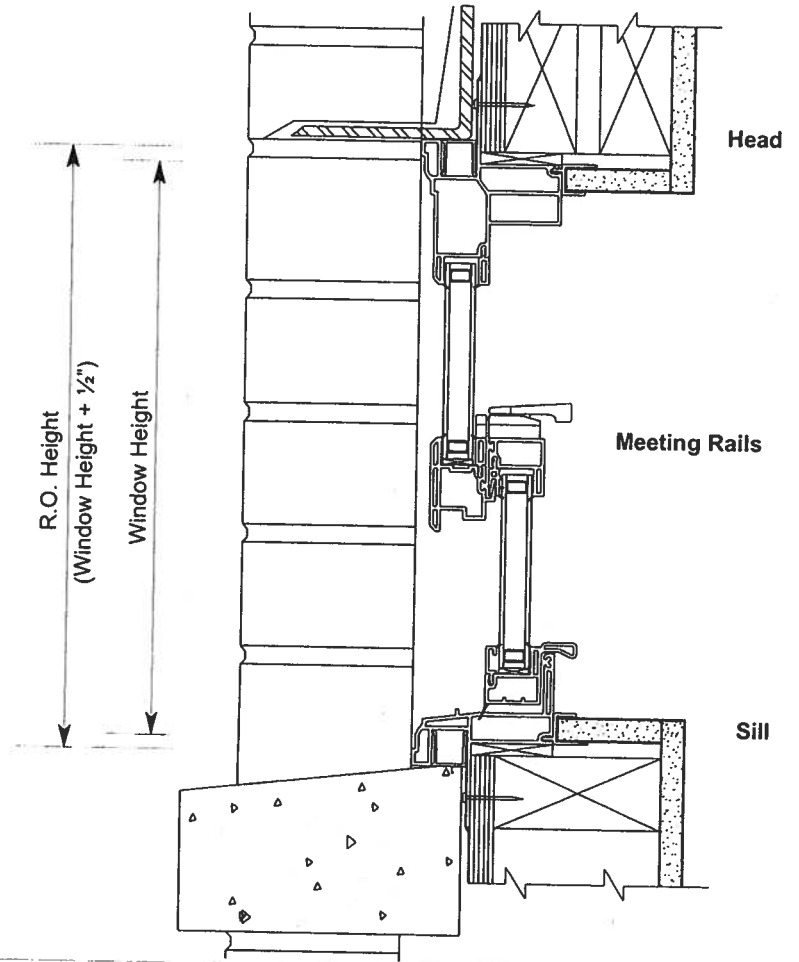
Single Hung Window

Vertical and Horizontal Installation Details

Vertical Section

Brick Frame Construction

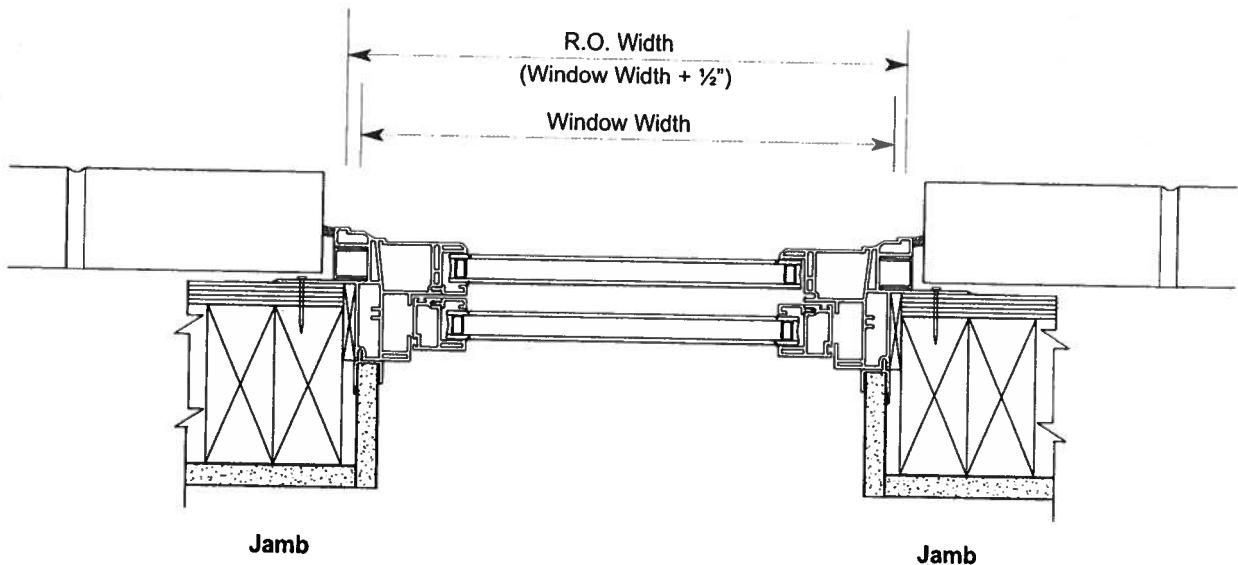
Scale: 3" = 1'0" (1:4)



Horizontal Section

Brick Frame Construction

Scale: 3" = 1'0" (1:4)



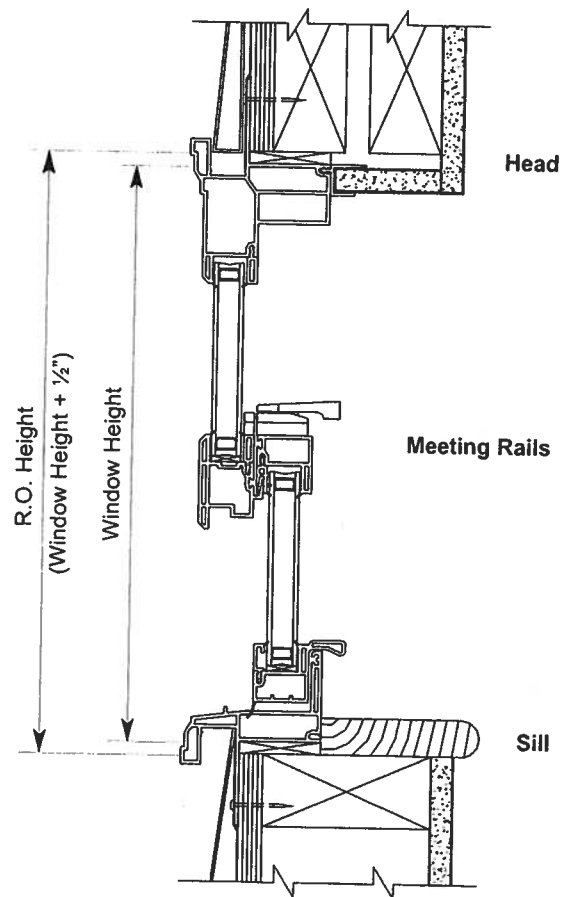


SERIES 2900

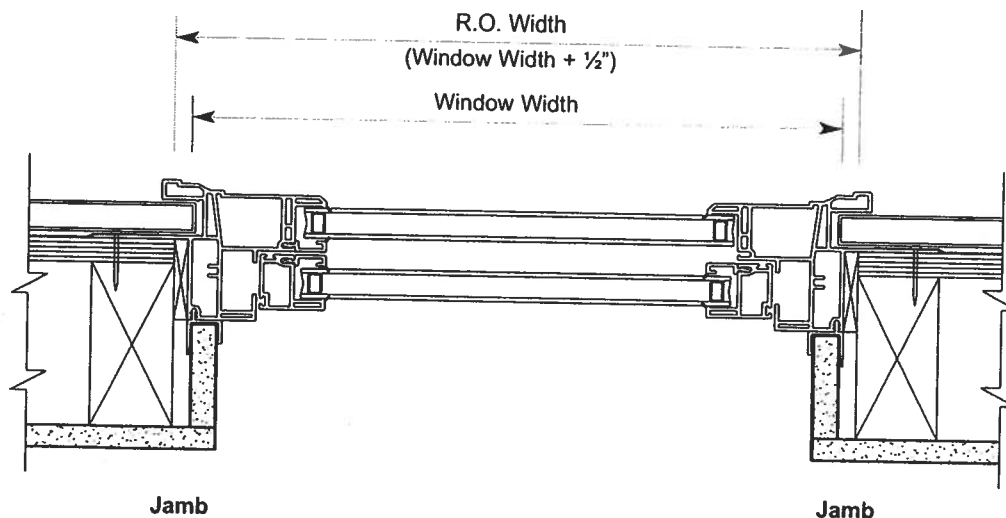
Single Hung Window

Vertical and Horizontal Installation Details

Vertical Section
2 x 4 Frame Construction
w/ Exterior Siding
Scale: 3" = 1'0" (1:4)



Horizontal Section
2 x 4 Frame Construction
w/ Exterior Siding
Scale: 3" = 1'0" (1:4)



SILVER LINE BUILDING PRODUCTS

Series 2900 Design Pressure Ratings vs Size

SINGLE UNITS - STANDARD CONSTRUCTION

		WIDTHS Single Units									
		1' 6"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 6"	4' 0"
	7'-0"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
	6'-2"	31	35	35	35	35	35	35	35	35	30
	6'-0"	31	35	35	35	35	35	35	35	35	30
H	5'-6"	31	35	35	35	35	35	35	35	35	30
E	5'-2"	50	50	50	50	50	50	45	45	45	30
I	5'-0"	50	50	50	50	50	50	45	45	45	30
G	4'-6"	50	50	50	50	50	50	45	45	45	30
H	4'-4"	50	50	50	50	50	50	45	45	45	30
T	4'-2"	50	50	50	50	50	50	45	45	45	30
S	4'-0"	50	50	50	50	50	50	45	45	45	30
	3'-10"	50	50	50	50	50	50	45	45	45	30
	3'-8"	50	50	50	50	50	50	45	45	45	30
	3'-2"	50	50	50	50	50	50	45	45	45	30
	3'-0"	50	50	50	50	50	50	45	45	45	30

* Criel Windows Only Above 6'-2"

Auth:
James

SINGLE UNITS - WITH REINFORCED SASH STILES

		WIDTHS Single Units									
		1' 6"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 6"	4' 0"
	7'-0"	50	50	50	50	50	50				
	6'-2"	50	50	50	50	50	50				
	6'-0"	50	50	50	50	50	50				
H	5'-6"	50	50	50	50	50	50				
E	5'-2"										
I	5'-0"										
G	4'-6"										
H	4'-4"										
T	4'-2"										
S	4'-0"										
	3'-10"										
	3'-8"										
	3'-2"										
	3'-0"										

2902 DOUBLE UNITS WITH INTERMEDIATE JAMB REINFORCEMENTS

SILVER LINE BUILDING PRODUCTS

Series 2900 Design Pressure Ratings vs Size

		WIDTHS Double Units								
		1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 6"
H	6'-2"	35	35	35	35	35	35	35	35	35
	6'-0"	35	35	35	35	35	35	35	35	35
	5'-6"	35	35	35	35	35	35	35	35	35
E	5'-2"	50	50	50	50	50	50	50	35	35
I	5'-0"	50	50	50	50	50	50	50	35	35
G	4'-6"	50	50	50	50	50	50	50	35	35
H	4'-4"	50	50	50	50	50	50	50	35	35
T	4'-2"	50	50	50	50	50	50	50	35	35
S	4'-0"	50	50	50	50	50	50	50	35	35
	3'-10"	50	50	50	50	50	50	50	35	35
	3'-8"	50	50	50	50	50	50	50	35	35
	3'-2"	50	50	50	50	50	50	50	35	35
	3'-0"	50	50	50	50	50	50	50	35	35

2902 DOUBLE UNITS WITHOUT INTERMEDIATE JAMB REINFORCEMENTS

		WIDTHS Double Units								
		1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 6"
H	6'-2"									
	6'-0"									
	5'-6"									
E	5'-2"	30	30	30	30	30	30			
I	5'-0"	30	30	30	30	30	30			
G	4'-6"	30	30	30	30	30	30			
H	4'-4"	30	30	30	30	30	30			
T	4'-2"	30	30	30	30	30	30			
S	4'-0"	30	30	30	30	30	30			
	3'-10"	30	30	30	30	30	30			
	3'-8"	30	30	30	30	30	30			
	3'-2"	30	30	30	30	30	30			
	3'-0"	30	30	30	30	30	30			

2903 TRIPLE UNITS WITH INTERMEDIATE JAMB REINFORCEMENTS

2902 DESIGN PRESSURE RATINGS CHART

CALL SIZES	WIDTH									
	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	3'-0"	3'-2"	3'-4"	3'-8"	
INCHES	39.5"	47.5"	55.5"	58.5"	63.5"	71.5"	75.5"	79.5"	87.5"	
6'-2"	35	35	35	35	35	35	35	35	35	
6'-0"	35	35	35	35	35	35	35	35	35	
5'-2"	35	35	35	35	35	35	35	35	35	
5'-0"	35	35	35	35	35	35	35	35	35	
4'-8"	50	50	50	50	50	50	50	50	50	
4'-4"	50	50	50	50	50	50	50	50	50	
4'-4"	50	50	50	50	50	50	50	50	50	
4'-2"	50	50	50	50	50	50	50	50	50	
4'-0"	50	50	50	50	50	50	50	50	50	
3'-10"	50	50	50	50	50	50	50	50	50	
3'-8"	50	50	50	50	50	50	50	50	50	
3'-2"	50	50	50	50	50	50	50	50	50	
3'-0"	50	50	50	50	50	50	50	50	50	

H E I G H T S



NOTE

SHADED AREA HAS 3 PIECES OF STEEL IN INTERMEDIATE JAMB PLUS 1 PIECE OF ALUMINUM REINFORCEMENT IN EACH STILE PLUS DOUBLE STRENGTH GLASS

SILVER LINE BUILDING PRODUCTS

Series 2900 Design Pressure Ratings vs Size

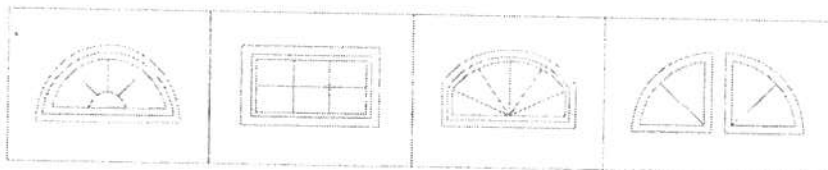
WIDTHS Triple Units

	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"
6'-2"	35	35	35	35	35	35
6'-0"	35	35	35	35	35	35
M 5'-6"	35	35	35	35	35	35
E 5'-2"	50	50	50	50	50	50
I 5'-0"	50	50	50	50	50	50
G 4'-6"	50	50	50	50	50	50
H 4'-4"	50	50	50	50	50	50
T 4'-2"	50	50	50	50	50	50
S 4'-0"	50	50	50	50	50	50
3'-10"	50	50	50	50	50	50
3'-8"	50	50	50	50	50	50
3'-2"	50	50	50	50	50	50
3'-0"	50	50	50	50	50	50

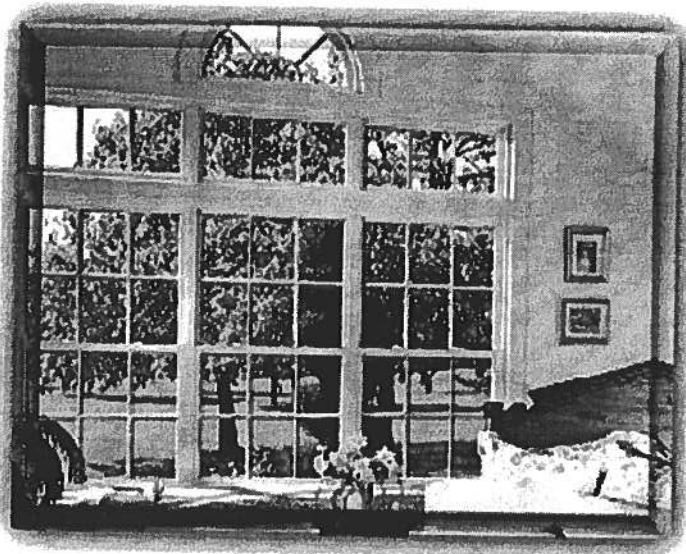
2903 TRIPLE UNITS WITHOUT INTERMEDIATE JAMB REINFORCEMENTS

WIDTHS Triple Units

	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"
6'-2"						
6'-0"						
M 5'-6"						
E 5'-2"	30	30	30	30	30	30
I 5'-0"	30	30	30	30	30	30
G 4'-6"	30	30	30	30	30	30
H 4'-4"	30	30	30	30	30	30
T 4'-2"	30	30	30	30	30	30
S 4'-0"	30	30	30	30	30	30
3'-10"	30	30	30	30	30	30
3'-8"	30	30	30	30	30	30
3'-2"	30	30	30	30	30	30
3'-0"	30	30	30	30	30	30



NEW CONSTRUCTION SINGLE HUNG WINDOW



Tilt-in bottom sash
for easy cleaning from
inside the home

SERIES 2900

The Series 2900 New Construction Single Hung Window combines traditional styling with innovative design features to create the perfect blend of beauty and performance. This exceptional window offers a wide variety of features to accommodate virtually all of the builder's needs. The demands of homeowners are also addressed with numerous energy saving and convenience features that assure a lifetime of low maintenance performance.

FEATURES & BENEFITS

FRAME/SASH

- Tested and certified to nationally recognized AAMA standards for strength and durability
- Welded vinyl construction creates a strong, weather tight window
- Dual weatherstripping creates an energy efficient, virtually weather tight seal
- Tilt-in bottom sash for easy cleaning from inside the home
- Integral colonial "J" channel type siding return provides for easy trimming of exterior siding to the window
- Low maintenance - never needs painting

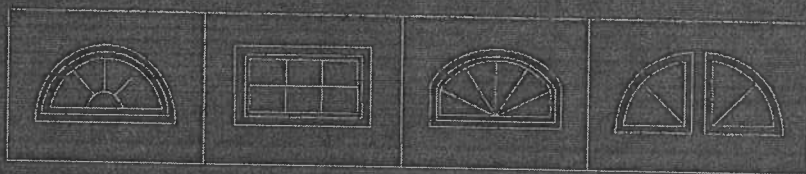
GLASS

- Standard 5/8" insulated glass for comfort and energy savings
- Optional LoE² glass provides superior year-round comfort while reducing heating and cooling costs
- Warm Edge Intercept® Spacer reduces condensation and improves performance
- Optional grilles are available in several styles and are sealed inside the glass for easy cleaning

HARDWARE

- Cam action lock(s) and keeper(s) draw meeting rails together for a tighter seal
- Double locks on all windows 28" wide or wider, for increased security
- Steel reinforced lock rail resists forced entry
- Block and tackle balance system for smooth, easy operation
- Aluminum half screen, for bottom ventilation, is available

LIMITED LIFETIME WARRANTY



Series 2900 New Construction Single Hung Window...

Combines traditional styling with innovative design features to create the perfect blend of beauty and performance. This exceptional window offers a wide variety of features to accommodate virtually all of the builder's needs. The demands of homeowners are also addressed with numerous energy saving and convenience features that assure a lifetime of low maintenance performance.

Silver Line Windows
AT WORK IN MILLIONS OF HOMES.
www.silverlinewindows.com

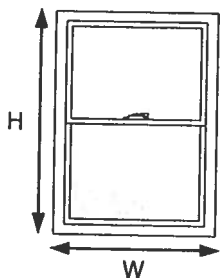


STANDARD SIZES

Made in standard nominal sizes
as shown below:

Window Width: 16 to 40

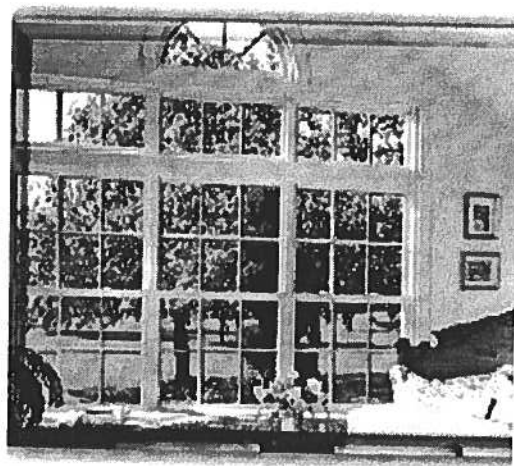
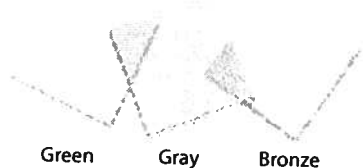
Window Height: 30 to 70



OPTIONS

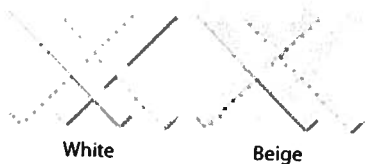
GLASS OPTIONS

- LoE2 glass
- Tempered glass
- Obscure glass
- Argon gas
- Tinted glass available in bronze, gray or green



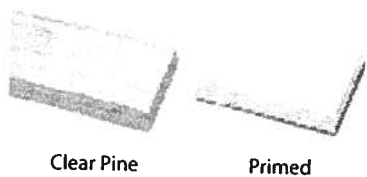
GRILLE OPTIONS

- Colonial or prairie patterns sealed inside of the glass for easy cleaning



EXTENSION JAMB OPTIONS

- Available in 4 9/16" and 6 9/16" jamps, either clear pine or primed



ORIEL WINDOW

- 60% top sash, 40% bottom sash
- Available in 50, 52, 56, 60, 62 & 70 heights only

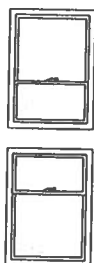
COTTAGE WINDOW

- 40% top sash, 60% bottom sash
- Available in 50, 52 & 56 heights only

COLORS



Color reproduced as closely as printing will allow.



Silver Line Windows
AT WORK IN MILLIONS OF HOMES.
www.silverlinewindows.com





Live Oak

PEST CONTROL, INC.

17856 U.S. 129 South
McAlpin, FL 32062 • 2561

Robert F. McGranahan
President

Jeffrey D. Lee
Entomologist

February 9, 2006

Columbia Building Department
Lake City, FL 32055

RE: Wade Willis Construction - Termite Soil Treatment

To Whom It May Concern:

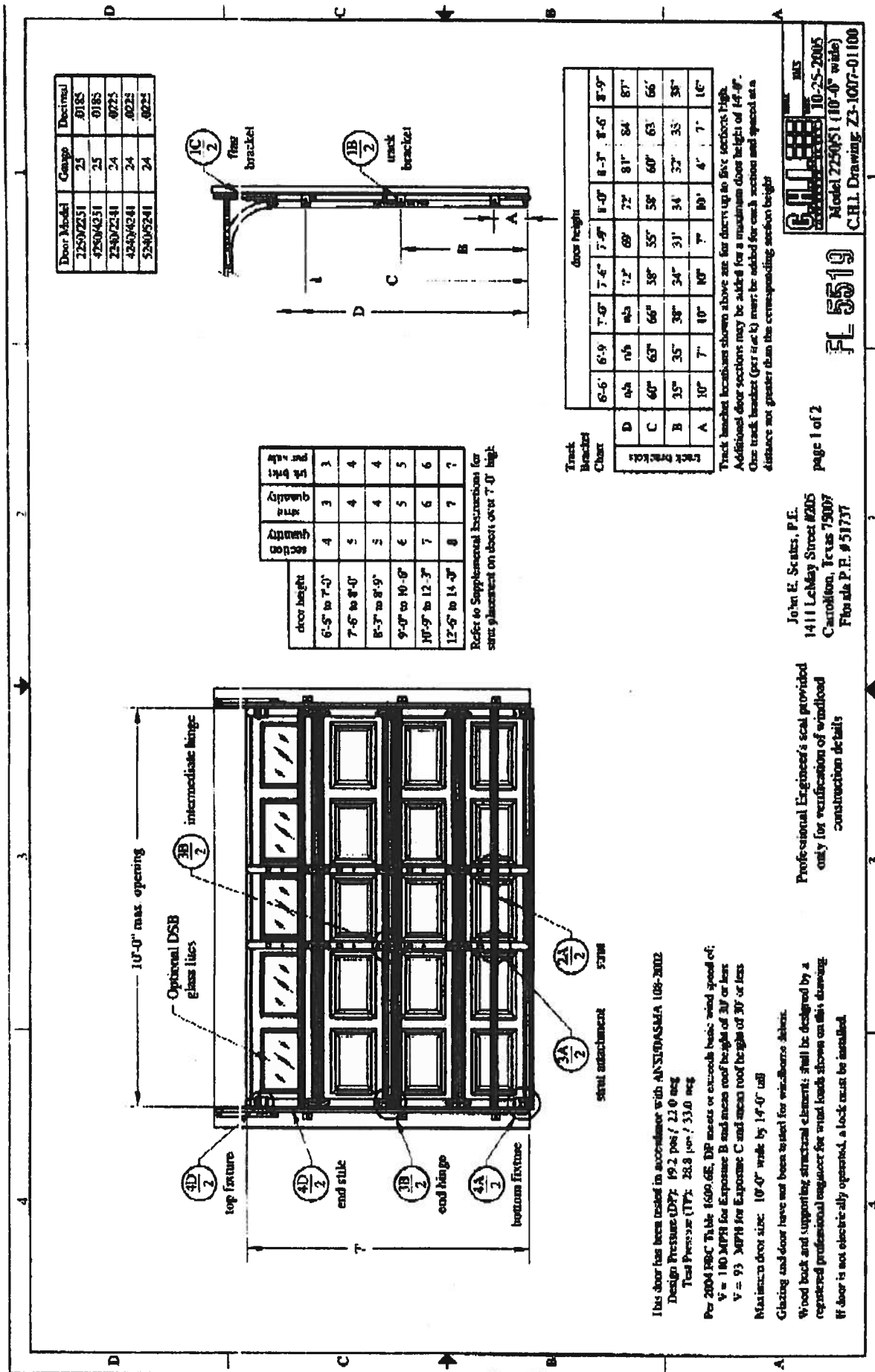
This letter is to confirm in writing that Wade Willis has contacted the office regarding preconstruction subterranean termite soil treatment for the new construction located at 288 SW Sapling Glen, Lake City Florida. We have recommended a complete horizontal, vertical, adjoining slab and final grade treatment with the product Terminor or Preval in accordance with the Florida Building Code. Live Oak Pest Control offers a damage replacement policy upon the completion of all required treatments. Service will be rendered at the appropriate times per a call to schedule from the contractor.

If you have any questions or if I can be of any further service, please contact the office at one of the numbers listed below.

Sincerely,

Dana Tidwell
Termite Department





Door Model	Group	Decimal
1250/2251	25	.0185
4250/4251	25	.0185
2340/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225

door height	Approx. weight	Approx. quantity	Approx. weight
6'-5" to 7'-0"	4	3	3
7'-0" to 8'-0"	5	4	4
8'-0" to 8'-9"	5	4	4
9'-0" to 10'-0"	6	5	5
10'-0" to 12'-3"	7	6	6
12'-5" to 14'-0"	8	7	7

Refer to Supplemental Instructions for
seal placement on door over 7'-0" high

Track Bracket Chart		door height									
D	C	B	A	10'	7'	10'	7'	10'	7'	10'	7'
6'-6"	6'-9"	6'-6"	6'-9"	6'-6"	6'-9"	6'-6"	6'-9"	6'-6"	6'-9"	6'-6"	6'-9"
6'-9"	7'-0"	6'-9"	7'-0"	6'-9"	7'-0"	6'-9"	7'-0"	6'-9"	7'-0"	6'-9"	7'-0"
7'-0"	7'-3"	7'-0"	7'-3"	7'-0"	7'-3"	7'-0"	7'-3"	7'-0"	7'-3"	7'-0"	7'-3"
7'-3"	7'-6"	7'-3"	7'-6"	7'-3"	7'-6"	7'-3"	7'-6"	7'-3"	7'-6"	7'-3"	7'-6"
7'-6"	7'-9"	7'-6"	7'-9"	7'-6"	7'-9"	7'-6"	7'-9"	7'-6"	7'-9"	7'-6"	7'-9"
7'-9"	8'-0"	7'-9"	8'-0"	7'-9"	8'-0"	7'-9"	8'-0"	7'-9"	8'-0"	7'-9"	8'-0"
8'-0"	8'-3"	8'-0"	8'-3"	8'-0"	8'-3"	8'-0"	8'-3"	8'-0"	8'-3"	8'-0"	8'-3"
8'-3"	8'-6"	8'-3"	8'-6"	8'-3"	8'-6"	8'-3"	8'-6"	8'-3"	8'-6"	8'-3"	8'-6"
8'-6"	8'-9"	8'-6"	8'-9"	8'-6"	8'-9"	8'-6"	8'-9"	8'-6"	8'-9"	8'-6"	8'-9"
8'-9"	9'-0"	8'-9"	9'-0"	8'-9"	9'-0"	8'-9"	9'-0"	8'-9"	9'-0"	8'-9"	9'-0"
9'-0"	9'-3"	9'-0"	9'-3"	9'-0"	9'-3"	9'-0"	9'-3"	9'-0"	9'-3"	9'-0"	9'-3"
9'-3"	9'-6"	9'-3"	9'-6"	9'-3"	9'-6"	9'-3"	9'-6"	9'-3"	9'-6"	9'-3"	9'-6"
9'-6"	9'-9"	9'-6"	9'-9"	9'-6"	9'-9"	9'-6"	9'-9"	9'-6"	9'-9"	9'-6"	9'-9"
9'-9"	10'-0"	9'-9"	10'-0"	9'-9"	10'-0"	9'-9"	10'-0"	9'-9"	10'-0"	9'-9"	10'-0"
10'-0"	10'-3"	10'-0"	10'-3"	10'-0"	10'-3"	10'-0"	10'-3"	10'-0"	10'-3"	10'-0"	10'-3"
10'-3"	10'-6"	10'-3"	10'-6"	10'-3"	10'-6"	10'-3"	10'-6"	10'-3"	10'-6"	10'-3"	10'-6"
10'-6"	10'-9"	10'-6"	10'-9"	10'-6"	10'-9"	10'-6"	10'-9"	10'-6"	10'-9"	10'-6"	10'-9"
10'-9"	11'-0"	10'-9"	11'-0"	10'-9"	11'-0"	10'-9"	11'-0"	10'-9"	11'-0"	10'-9"	11'-0"
11'-0"	11'-3"	11'-0"	11'-3"	11'-0"	11'-3"	11'-0"	11'-3"	11'-0"	11'-3"	11'-0"	11'-3"
11'-3"	11'-6"	11'-3"	11'-6"	11'-3"	11'-6"	11'-3"	11'-6"	11'-3"	11'-6"	11'-3"	11'-6"
11'-6"	11'-9"	11'-6"	11'-9"	11'-6"	11'-9"	11'-6"	11'-9"	11'-6"	11'-9"	11'-6"	11'-9"
11'-9"	12'-0"	11'-9"	12'-0"	11'-9"	12'-0"	11'-9"	12'-0"	11'-9"	12'-0"	11'-9"	12'-0"
12'-0"	12'-3"	12'-0"	12'-3"	12'-0"	12'-3"	12'-0"	12'-3"	12'-0"	12'-3"	12'-0"	12'-3"
12'-3"	12'-6"	12'-3"	12'-6"	12'-3"	12'-6"	12'-3"	12'-6"	12'-3"	12'-6"	12'-3"	12'-6"
12'-6"	12'-9"	12'-6"	12'-9"	12'-6"	12'-9"	12'-6"	12'-9"	12'-6"	12'-9"	12'-6"	12'-9"
12'-9"	13'-0"	12'-9"	13'-0"	12'-9"	13'-0"	12'-9"	13'-0"	12'-9"	13'-0"	12'-9"	13'-0"
13'-0"	13'-3"	13'-0"	13'-3"	13'-0"	13'-3"	13'-0"	13'-3"	13'-0"	13'-3"	13'-0"	13'-3"
13'-3"	13'-6"	13'-3"	13'-6"	13'-3"	13'-6"	13'-3"	13'-6"	13'-3"	13'-6"	13'-3"	13'-6"
13'-6"	13'-9"	13'-6"	13'-9"	13'-6"	13'-9"	13'-6"	13'-9"	13'-6"	13'-9"	13'-6"	13'-9"
13'-9"	14'-0"	13'-9"	14'-0"	13'-9"	14'-0"	13'-9"	14'-0"	13'-9"	14'-0"	13'-9"	14'-0"

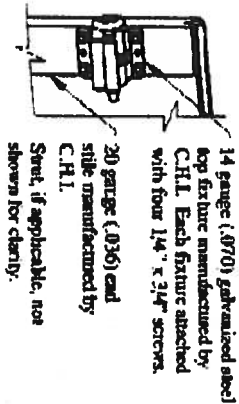
Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per 4' or 5') must be added for each section and spaced at a distance not greater than the corresponding section height.

John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. #51737

Professional Engineer's seal provided
only for verification of windload
construction details

This door has been tested in accordance with ANSI/UL 10B-2002
Design Pressure (DP): 19.2 psf / 23.0 mcg
Test Pressure (TP): 23.8 psf / 33.0 mcg
Per 2004 NBC Table 1609.6E, DP meets or exceeds basic wind speed of:
V = 140 MPH for Exposure B and mean roof height of 30' or less
V = 93 MPH for Exposure C and mean roof height of 30' or less
Maximum door size: 10'-0" wide by 14'-0" tall
Glazing and door have not been tested for wind-borne debris.
Wood back and supporting structural elements shall be designed by a
registered professional engineer for wind loads shown on this drawing.
If door is not electrically operated, a lock must be installed.

Model 2250S1 (10'-0" wide)
C.H.I. Drawing Z3-1007-01100
10-25-2005
FL 5519



The 2x6 vertical wood joists are to be grade 2 or better southern pine. Fasteners may be counter sunk to provide a flush mounting surface.

2\"/>

12 gauge (.095) galvanized steel track brackets fastened to wood joist with one 5/16\"/>

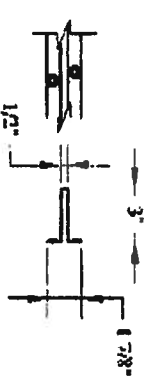
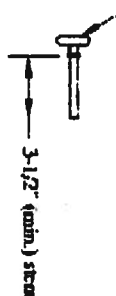
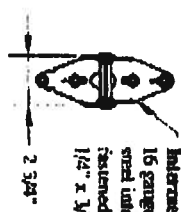
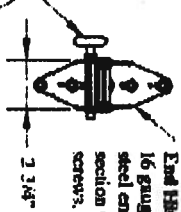
20 gauge (.036) center stile manufactured by C.H.L.

2\"/>

2\"/>

End Hinge
16 gauge (.058) galvanized steel end hinge fastened to section with four 1/4\"/>

Intermediate Hinge
16 gauge (.058) galvanized steel intermediate hinge fastened to section with four 1/4\"/>



12 gauge (.107) galvanized steel bottom bracket manufactured by C.H.L. Each bracket attached with four red 1/4\"/>

20 gauge (.034) 33 ksi galvanized steel 3\"/>

Aluminum extrusion

Professional Engineer's seal provided only for verification of structural connection details

Details on some views may have been omitted for clarity.

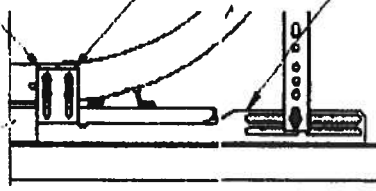
12 gauge (.0860) galvanized steel flag bracket fastened to wood joist with three 5/16\"/>

Flag bracket attached to horizontal track with two 1/4\"/>

Flag bracket attached to vertical track with two 1/4\"/>

12 gauge (.092) galvanized steel track bracket fastened to wood joist with one 5/16\"/>

Each track bracket attached with one 1/4\"/>



Design Load: #9.2 pos./22.0 neg.
Tall Load: 28.8 pos./33.0 neg.
page 2 of 2

John E. Scales, P.E.
1411 Lakeway Street #205
Carrollton, Texas 75007
Florida P.E. #51737



C.H.L. Drawing: 23-1007-01100

Intertek
ETL SEMKO

Certificate Of Validation

This confirms that Intertek has reviewed structural load test data and documentation for the product line listed below and performed the validation checklist in accordance with Florida Administrative Rule 9B-72. The appropriate COP/ Test Report Validation Matrix provides correlation information for each product model reviewed such as the test lab report numbers, performance values, and installation information.

Florida Statewide Approval: #FL18
Manufacturer: Masonite International
Product Line: Wood-edge Steel Door Units

Intertek Validation Matrix: #3026447A-001
#3026447B-001
#3026447C-001

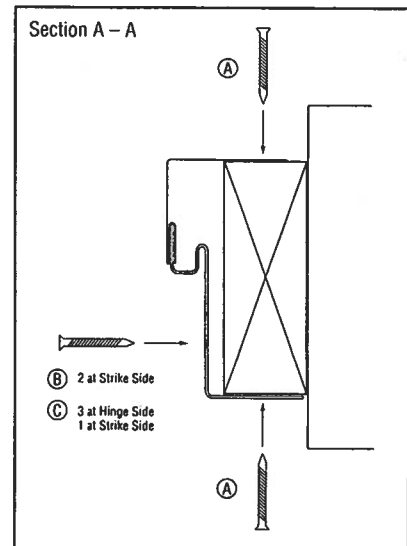
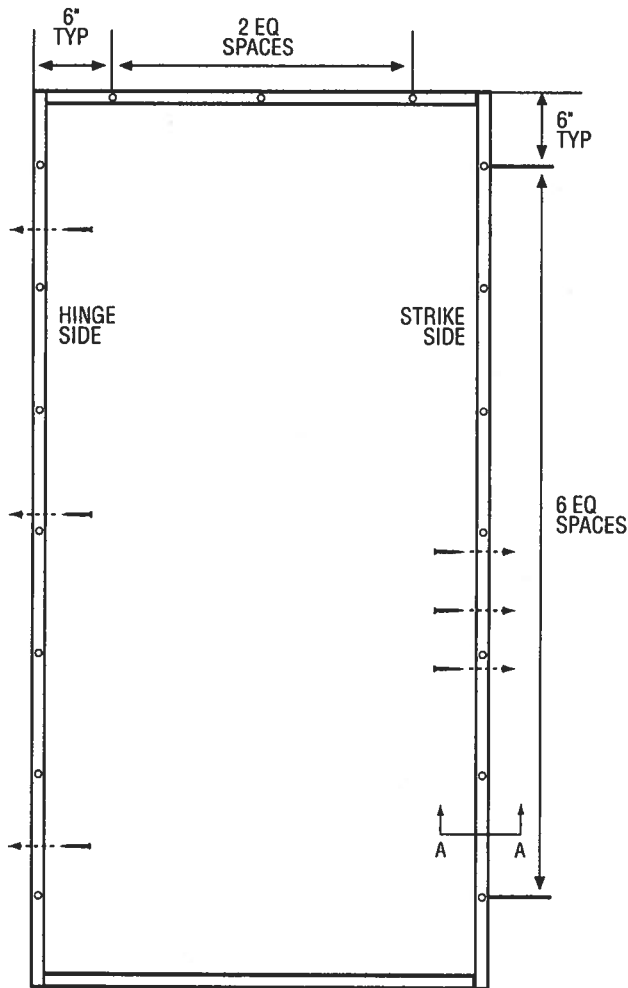
Signed: *Gregory H. H. H.*
Title: Program Manager

Intertek is an approved 3rd Party Validation Entity by the State of Florida (BVAL 1616)

X
Unit

MID-WL-MA0006-02

SINGLE DOOR IN 2-PIECE ADJUSTABLE STEEL FRAME



Minimum Fastener Count

- 17 per vertical framing member
- 6 per horizontal framing member (header)

Rough Opening (RO)

- Width of door unit minus 2-3/4"
- Height of door unit minus 1-3/8"



Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

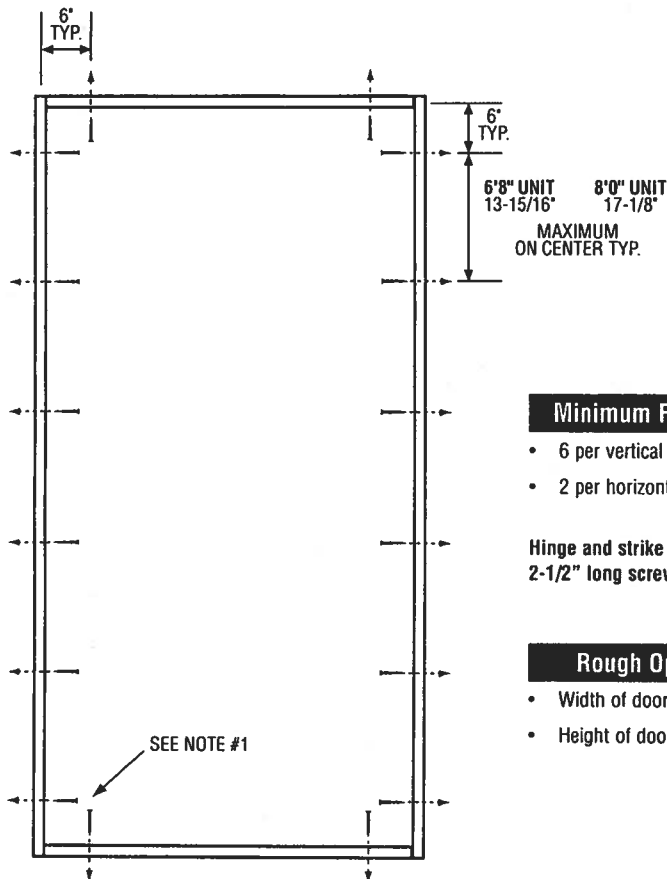
Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 wood screws at (A) and (B) and #10 wood screws (C) (see section A - A). A physical shim must be placed at each anchor location (B) and (C).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 2 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

Latching Hardware:

- ¹ Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 5-1/2" centerline.
- ² Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 10-1/2" centerline OR that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 5-1/2" centerline with 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts installed on latch side of active door panel - (1) at top and (1) at bottom.
- ³ Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 10-1/2" centerline with 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts installed on latch side of active door panel - (1) at top and (1) at bottom.
- ⁴ Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 5-1/2" centerline with 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts installed on latch side of active door panel - (1) at top and (1) at bottom.

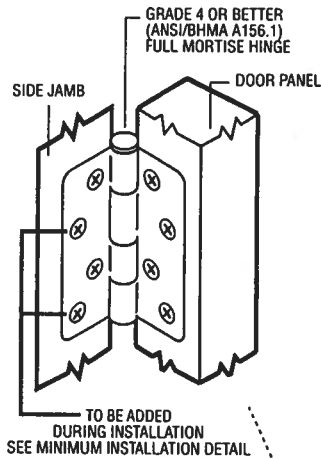
Hardware requirements not footnoted on COP documents shall comply with item 1 as shown above.

Notes:

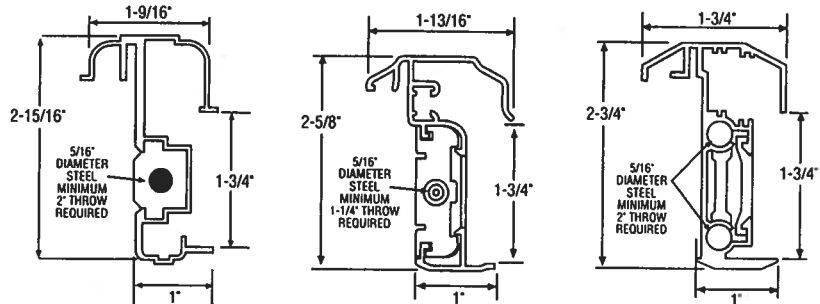
1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. A physical shim must be placed in shim space at each anchor location. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & 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.

INSWING UNIT WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT

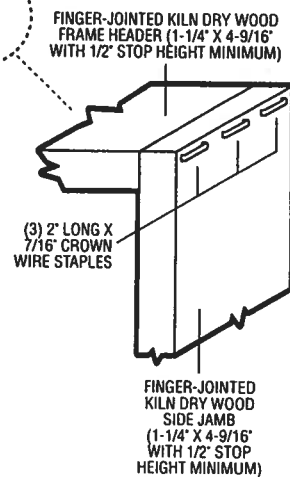


TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDRICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.

TYPICAL HEADER & SIDE JAMB ATTACHMENT

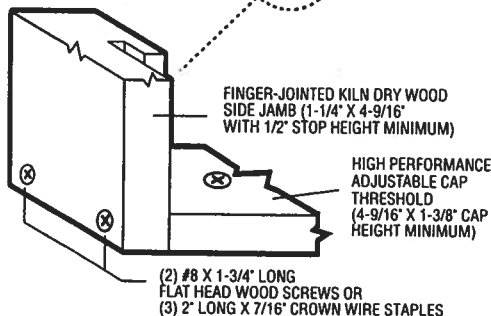


(3) FOR 7'0" HEIGHT OR SMALLER
(4) FOR HEIGHTS GREATER THAN 7'0"

Latching Hardware

- 6'8" Unit
- Compliance requires double bore with 5-1/2" centerline, top latch not to exceed 48" from floor (ADA)
- 8'0" Unit
- Compliance requires double bore with 5-1/2" or 10-1/2" centerline, top latch not to exceed 48" from floor (ADA)

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT

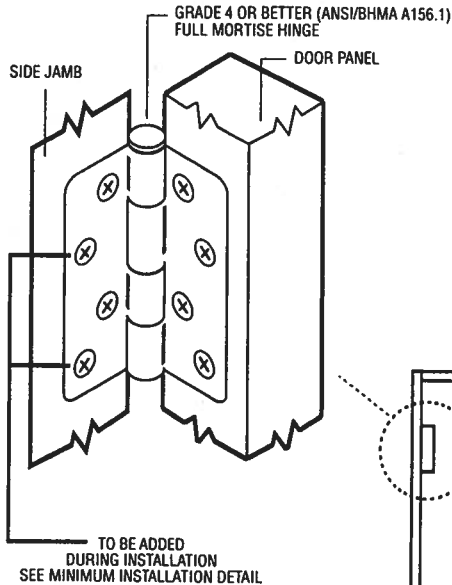


Test Data Review Certificate
#3026447A; #3026447B; #3026447C
and COP/Test Report Validation Matrix
#3026447A-001, 002, 003, 004;
#3026447B-001, 002, 003, 004;
#3026447C-001, 002, 003, 004
provides additional information -
available from the ITS/WH website
(www.itswh.com), the Masonite
website (www.masonite.com) or the
Masonite Technical Center.

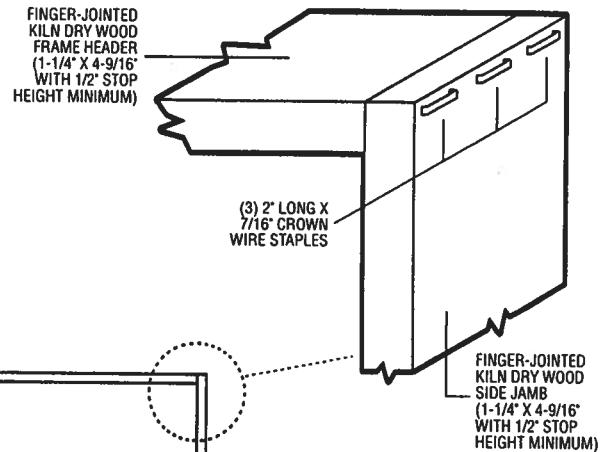
*See COP & MID documents for DP rating / required latching hardware.

INSWING UNIT WITH SINGLE DOOR

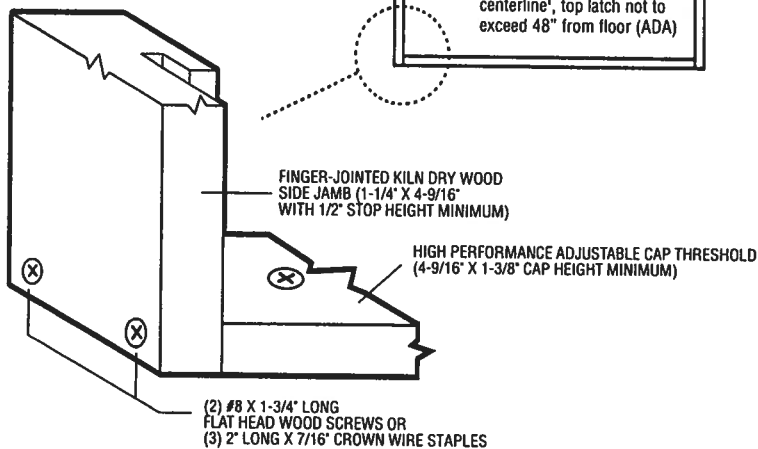
TYPICAL HINGE ATTACHMENT



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



Latching Hardware

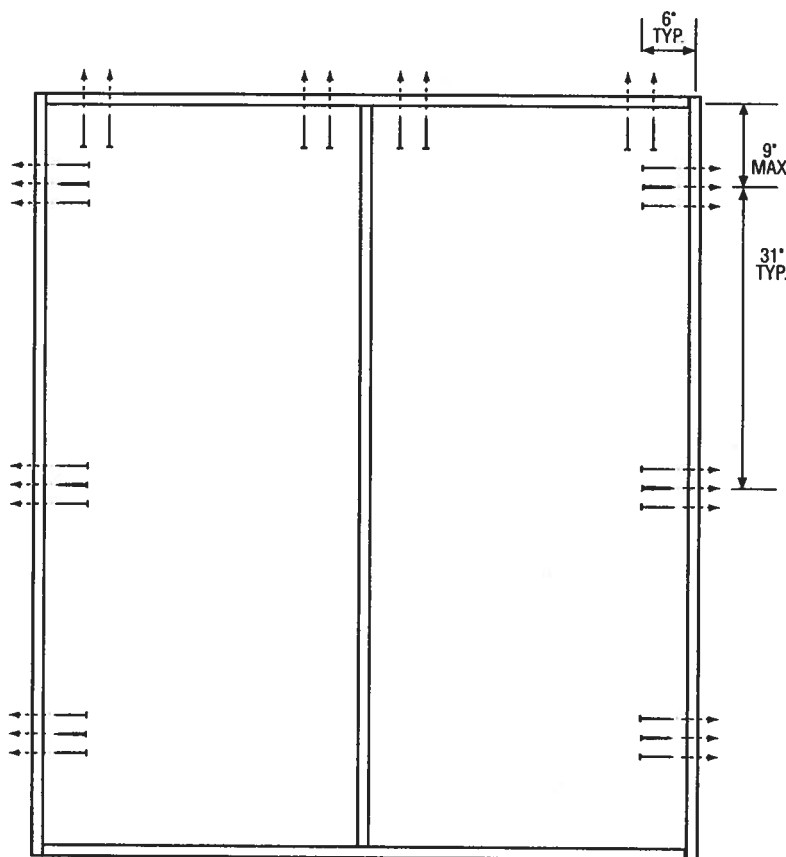
- 6'8\" Unit
- Compliance requires double bore with 5-1/2\" centerline, top latch not to exceed 48\" from floor (ADA)
- 8'0\" Unit
- Compliance requires double bore with 5-1/2\" or 10-1/2\" centerline, top latch not to exceed 48\" from floor (ADA)



Test Data Review Certificate
#3026447A; #3026447B; #3026447C
and COP/Test Report Validation Matrix
#3026447A-001, 002, 003, 004;
#3026447B-001, 002, 003, 004;
#3026447C-001, 002, 003, 004
provides additional information -
available from the ITSAWH website
(www.ellsemko.com), the Masonite
website (www.masonite.com) or the
Masonite Technical Center.

¹See COP & MID documents for DP rating / required latching hardware.

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0" heights and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.itssemko.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

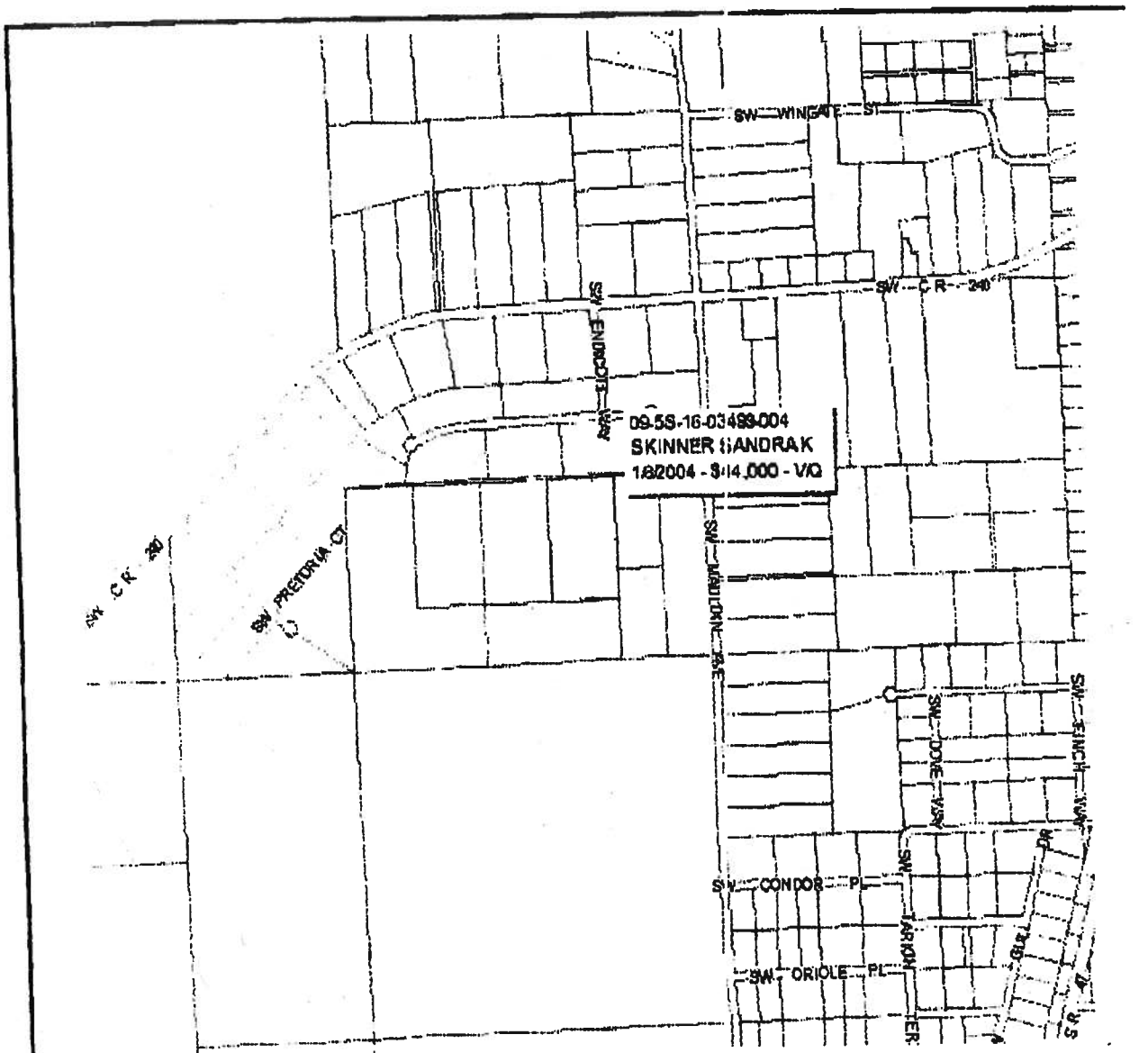
Latching Hardware:

- ¹ Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 5-1/2" centerline.
- ² Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 10-1/2" centerline OR that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 5-1/2" centerline with 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts installed on latch side of active door panel - (1) at top and (1) at bottom.
- ³ Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 10-1/2" centerline with 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts installed on latch side of active door panel - (1) at top and (1) at bottom.
- ⁴ Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 5-1/2" centerline with 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts installed on latch side of active door panel - (1) at top and (1) at bottom.

Hardware requirements not footnoted on COP documents shall comply with item 1 as shown above.

Notes:

1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 wood screws and 10d common nails. A physical shim must be placed in shim space at each anchor location. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw and common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.



Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 09-5S-16-03499-004 - NO AG ACRE (00.900)

COMM SE COR OF SEC & RUN W 659.13 FT, N 440.60 FT
TO POB, W 494.46 FT, N 884.61 FT TO

Name:	SKINNER SANDRA K	LandVal	\$53,252.00
Site:		BldgVal	\$0.00
Mail:	10434 SW CR 240	ApprVal	\$53,252.00
	LAKE CITY, FL 32024	JustVal	\$53,252.00
Sales	1/8/2004 \$44,000.00 V /	Assd	\$53,252.00
Info	Q	Exmpt	\$0.00
		Taxable	\$53,252.00

0.09 0.18 0.27 mi



This information, GIS Map Updated: 1/9/2006, was derived from data which was

D SearchResults

Columbia County Property Appraiser

DB Last Updated: 1/9/2006

Parcel: 09-5S-16-03499-004

2006 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

<< Search Result: 5 Next
Prev of 9 >>

Owner's Name	SKINNER SANDRA K
Site Address	
Mailing Address	10434 SW CR 240 LAKE CITY, FL 32024
Brief Legal	COMM SE COR OF SEC & RUN W 659.13 FT, N 440.60 FT TO POB, W 494.46 FT, N 884.61 FT TO

Use Desc. (code)	NO AG ACRE (009900)
Neighborhood	9516.00
Tax District	3
UD Codes	MKTA01
Market Area	01
Total Land Area	10.040 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$53,252.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$53,252.00

Just Value	\$53,252.00
Class Value	\$0.00
Assessed Value	\$53,252.00
Exempt Value	\$0.00
Total Taxable Value	\$53,252.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
1/8/2004	1004/1379	WD	V	Q		\$44,000.00

Building Characteristics

Bldg	Bldg	Year	Ext.	Heated	Actual	Bldg
------	------	------	------	--------	--------	------

CERTIFICATES OF OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 09-5S-16-03499-004

Building permit No. 000024139

Use Classification SFD/UTILITY

Fire: 16.52

Permit Holder WADE WILLIS

Waste: 24.50

Owner of Building JASON/SHANNON TURBERVILLE/S. SKINNER 41.02

Location: 288 SW SAPLING GLEN, LAKE CITY, FL

Date: 08/16/2006

Harry Dickie

Building Inspector

**POST IN A CONSPICUOUS PLACE
(Business Places Only)**



RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 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 1609 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 106.1). If licensed architect or engineer, official seal shall be affixed. |
| ☒ | ☐ | <u>Site Plan including:</u>
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. |
| ☒ | ☐ | <u>Wind-load Engineering Summary, calculations and any details required</u>
Plans or specifications must state compliance with FBC Section 1609.
The following information must be shown as per section 1603.1.4 FBC
a. Basic wind speed (3-second gust), miles per hour (km/hr).
b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.
c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.
d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.
e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional. |
| ☒ | ☐ | <u>Elevations including:</u>
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
- e) Number of stories
- Floor Plan including:**
 - a) Rooms labeled and dimensioned.
 - b) Shear walls identified.
 - c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).
 - d) Show safety glazing of glass, where required by code.
 - e) Identify egress windows in bedrooms, and size.
 - f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).
 - g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
 - h) 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 Fl. Pro. Eng.
 - 2. Roof assembly (FBC 106.1.1.2)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 106.1.1.2)Roofing systems, 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 shall be designed by a Windload engineer using the engineered roof truss plans.
 - 6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) 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 retarder (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:

- ☒
- ☐

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) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) 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 (termiticide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. 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)

10

- | | |
|---|---|
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |

☒ ☐

- [illegible]

☒ ☐

-

☐	☐
☒	☐

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- ✓ 1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
- ✓ 2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
- ✓ 3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
- ✓ 4. **City Approval:** ~~If the project is to be located within the city limits of the Town of Fort White,~~ prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
- 5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$50.00
- NA 6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**
- ✓ 7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

Location: _____

Project Name: _____

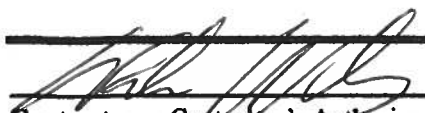
As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

13. Liquid Applied Roof Sys			
14. Cements-Adhesives - Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection


 Contractor or Contractor's Authorized Agent Signature
 288 SW Sapling Glene
 Location

Wade Willis
 Print Name
 2/9/06
 Date
 Permit # (FOR STAFF USE ONLY)

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

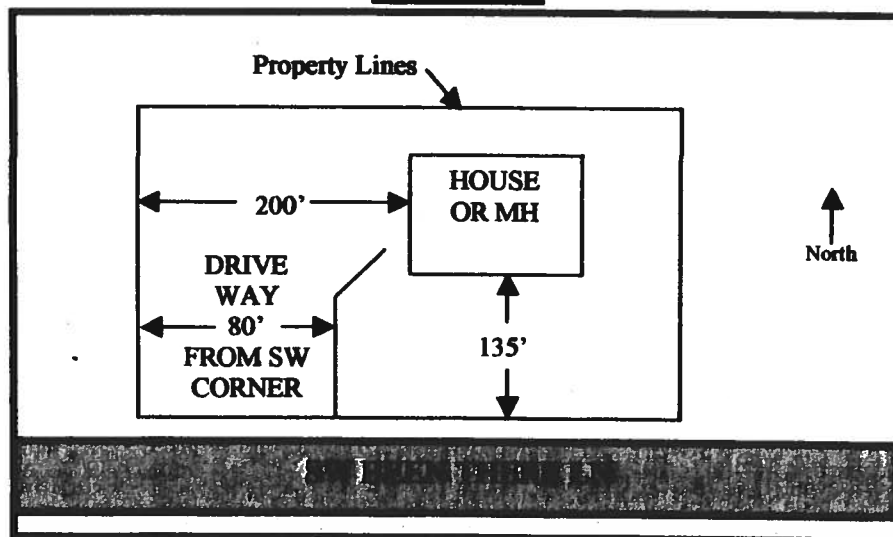
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
 - a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
 - b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
 - c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL SAVINGS BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056



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 Bonnie Cason
Deputy Clerk
3/9/06

PERMIT NO. _____

TAX FOLIO NO. R-03499-004

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF Columbia

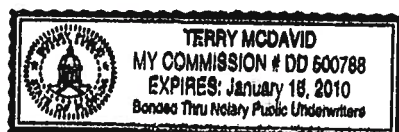
The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

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: Sandra K. Skinner
6950 SW CR 240, Lake City, FL 32024
 - 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): Wade Willis Construction, LLC
P.O. Box 1546, Lake City, Florida 32056
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).

Sandra K. Skinner
Borrower Name Sandra K. Skinner

Co-Borrower Name _____

The foregoing instrument was acknowledged before me this 8th day of March, 2006 by Sandra K. Skinner, who is personally known to me or who has produced driver's license for identification.



[Signature]
Notary Public
My Commission Expires: _____

24139

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

Inst: 2006005864 Date: 03/09/2006 Time: 13:35
DC, P. Dewitt Cason, Columbia County B: 1076 P: 2018

EXHIBIT "A"

TOWNSHIP 5 SOUTH - RANGE 16 EAST

SECTION 9: Commence at the Southeast Corner of Section 9, Township 5 South, Range 16 East, Columbia County, Florida and run thence S 89 deg. 22'51" W, along the South line of said Section 9, 659.13 feet; thence N 0 deg. 26'36" W, 440.60 feet to the Point of Beginning; thence S 89 deg. 28'45" W, 494.46 feet; thence N 0 deg. 27'26" W, 884.61 feet to the North line of the S 1/2 of SE 1/4 of said Section 9; thence N 89 deg. 28'45" E, along said North line, 494.68 feet; thence S 0 deg. 26'36" E, 884.61 feet to the Point of Beginning.

Inst:2006005864 Date:03/09/2006 Time:13:35
DC,P.Dewitt Cason,Columbia County B:1076 P:2019

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: 1STY487-Z0118160835

Truss Fabricator: Anderson Truss Company
Job Identification: 6-005-WADE WILLIS - TURBEVILLE
Truss Count: 45
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.22.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Details: A11015EE-GBLLETIN-CNBRGLK-BRCLBSUB-A11030EE



Seal Date: 01/18/2006

-Truss Design Engineer-
Arthur R. Fisher

Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	72939--A1-GE		06018006	01/18/06
2	72940--A2		06018007	01/18/06
3	72941--A3		06018008	01/18/06
4	72942--A4		06018009	01/18/06
5	72943--A5		06018010	01/18/06
6	72944--A6		06018011	01/18/06
7	72945--A7		06018012	01/18/06
8	72946--A8-GE		06018013	01/18/06
9	72947--A9G		06018014	01/18/06
10	72948--B1-GE		06018024	01/18/06
11	72949--B2-GE		06018015	01/18/06
12	72950--B3		06018016	01/18/06
13	72951--B4		06018017	01/18/06
14	72952--B5		06018018	01/18/06
15	72953--C1		06018019	01/18/06
16	72954--C2		06018020	01/18/06
17	72955--C3		06018021	01/18/06
18	72956--C4G		06018022	01/18/06
19	72957--D1-GE		06018023	01/18/06
20	72958--D2		06018037	01/18/06
21	72959--D3		06018025	01/18/06
22	72960--D4G		06018026	01/18/06
23	72961--D5-GE		06018027	01/18/06
24	72962--D6		06018028	01/18/06
25	72963--D7		06018029	01/18/06
26	72964--D8		06018038	01/18/06
27	72965--D9		06018030	01/18/06
28	72966--D10G		06018031	01/18/06
29	72967--D11		06018039	01/18/06
30	72968--K1-GE		06018032	01/18/06
31	72969--K2		06018033	01/18/06
32	72970--AP1-GE		06018034	01/18/06
33	72971--AP2		06018035	01/18/06
34	72972--AP3		06018036	01/18/06
35	72973--BP1-GE		06018040	01/18/06
36	72974--BP2		06018041	01/18/06

#	Ref	Description	Drawing#	Date
37	72975--DP1-GE		06018042	01/18/06
38	72976--DP2		06018043	01/18/06
39	72977--R1-GE		06018001	01/18/06
40	72978--R2		06018002	01/18/06
41	72979--R3		06018045	01/18/06
42	72980--R4		06018003	01/18/06
43	72981--R5		06018004	01/18/06
44	72982--R6G		06018044	01/18/06
45	72983--S1		06018005	01/18/06





623-3331

Right end vertical not exposed to wind pressure.

IC - From	61 PLF at -2.00 to	61 PLF at 18.00	Attach with 10d Box or Gun (0.128"x3".min.)	same size as 60" web member.
IC - From	61 PLF at -2.00 to	61 PLF at 18.00	Attach with 10d Box or Gun (0.128"x3".min.)	same size as 60" web member.

IC - From 82 PLF at 29.71 to 82 PLF at 30.00
 (A) 1st SR #3 of better 1 place: 00% length of web member, attached with 82 Box or Gun (0.113"x2.5".min.) nails @ 6" OC. or (1) continuous

8C	From	20 PLF at 0.00 to 2.00 lb	(B) 2x4 SP #3 or better	length of web member attached
8B	From	20 PLF at 0.00 to 2.00 lb	"I" brace.	80% length of web member attached
8A	From	20 PLF at 0.00 to 2.00 lb	20 PLF at 37.15	

Deflection meets L/360 live and L/240 total load. Creep increase factor lateral brace equally spaced on member.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF ROOF AND SPECIAL CARE MUST BE TAKEN DURING HANDLING, SHIPPING AND INSTALLATION OF TRUSSES. SEE "WARNING" NOTE BELOW.

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

See DWGS A11015EE0405 & GBULLETIN0405 for more requirements.

Figure 1 consists of five sub-diagrams labeled (a) through (e), illustrating the steps of the proposed algorithm for finding the minimum value of a function. The diagrams show a sequence of points and lines, with the minimum value being identified at the end of the sequence.

- (a) A point x_1 is shown on a horizontal line, with a vertical line segment extending upwards from it.
- (b) A point x_2 is shown on a horizontal line, with a vertical line segment extending upwards from it.
- (c) A point x_3 is shown on a horizontal line, with a vertical line segment extending upwards from it.
- (d) A point x_4 is shown on a horizontal line, with a vertical line segment extending upwards from it.
- (e) A point x_5 is shown on a horizontal line, with a vertical line segment extending upwards from it.

$$4X5(A1) \equiv 4X6(R) \equiv 4X5(R) \equiv 4X4 \equiv 4X8 \equiv 4X6 \equiv 4X5(R) \equiv$$
$$\overbrace{10-1-12}^{\text{10-1-12}}$$

R-298 U=180 W=3.5" R-2334 U=250 W=3"

Note: All plates are 1.5X4 except as shown.

[illegible]

✓

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

★ ★ ★ ★ ★

FC BL

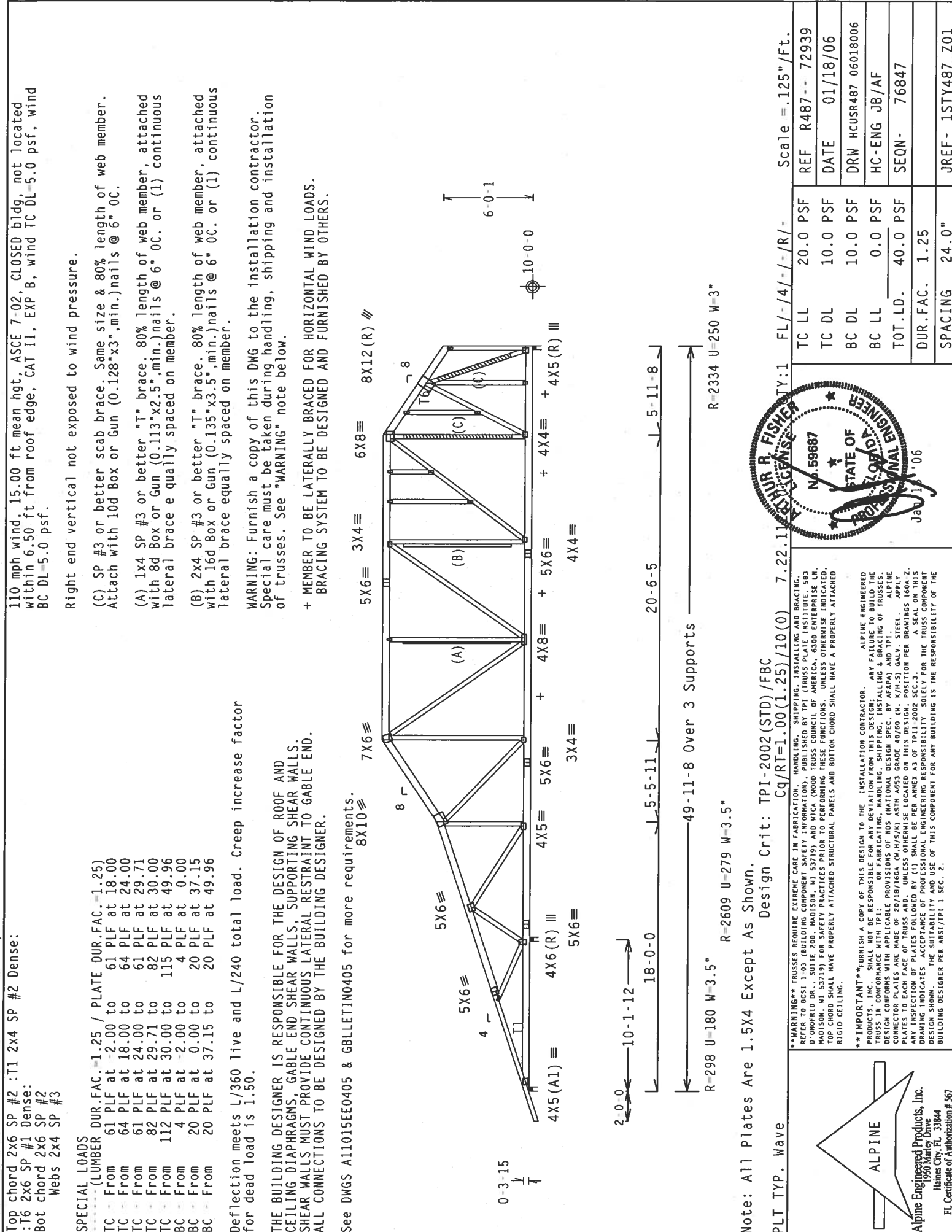
10.0 PSF

DATE 01/18/06

[illegible]

Abnobe Engineered Products, Inc.

FL Certificate of Authorization # 567		SPACING 24.0"	JREF-ISTY487_Z01
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Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
:T6 2x6 SP #1 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS

TC - From	61 PLF at -2.00 to	61 PLF at 18.00
TC - From	64 PLF at 18.00 to	64 PLF at 24.00
TC - From	61 PLF at 24.00 to	61 PLF at 43.71
TC - From	312 PLF at 43.71 to	315 PLF at 44.00
TC - From	318 PLF at 44.00 to	370 PLF at 49.96
BC - From	4 PLF at -2.00 to	4 PLF at 0.00
BC - From	20 PLF at 0.00 to	20 PLF at 37.15
BC - From	20 PLF at 37.15 to	20 PLF at 49.96

(B) Continuous lateral bracing equally spaced on member. Or 2x6 SP #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Bearing blocks: Nail type: 12d Box or Gun (0.128"x3.25", min.)_nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
3 49.708' 1 12" 6 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGLK1103 for additional information.

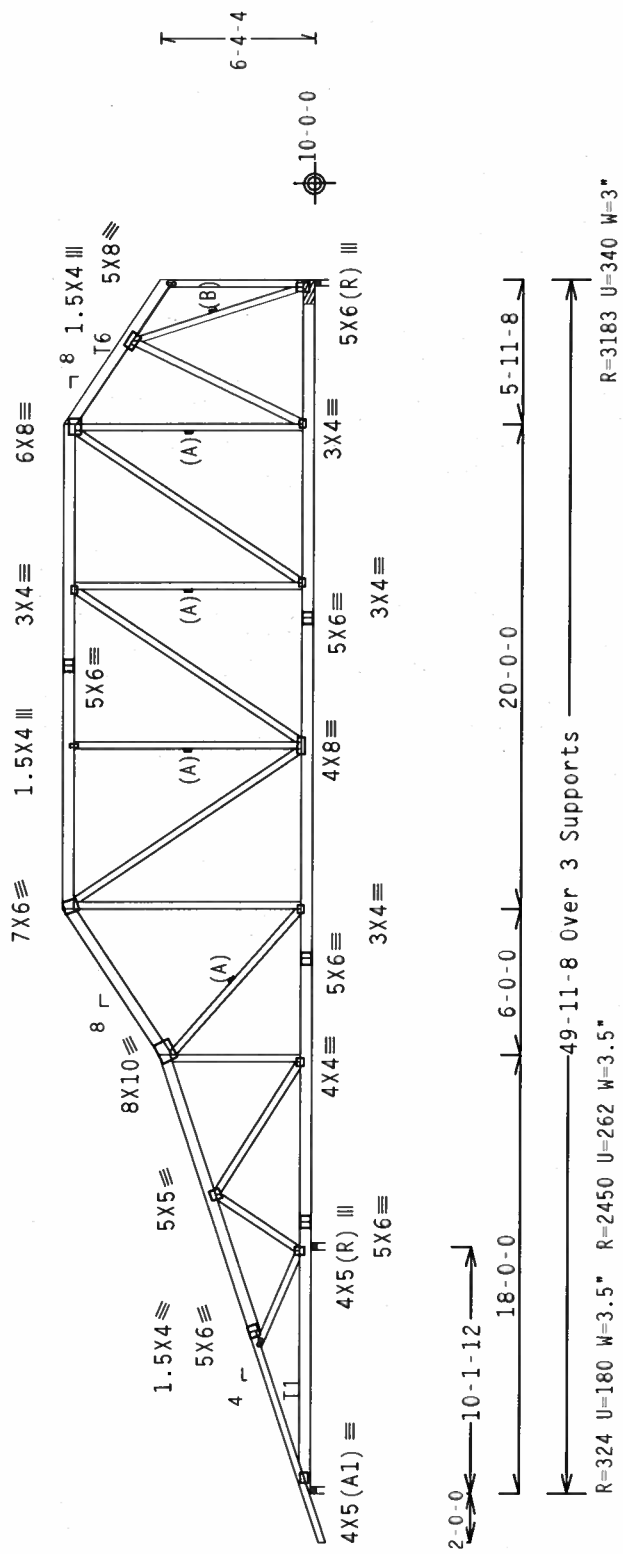
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

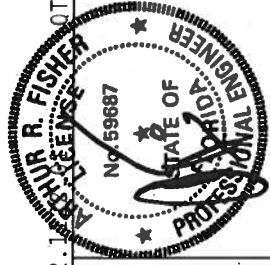
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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



Design Crit: TPI-2002(STD)/FBC

TC LL	20.0 PSF	REF	R487--	72940
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	10.0 PSF	DRW	HCUSR487	06018007
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	76822	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STY487_Z01	



ALPINE

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

Top chord 2x6 SP #2 : T1 2x4 SP #2 Dense:
: T6 2x6 SP #1 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

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

Right end vertical not exposed to wind pressure.

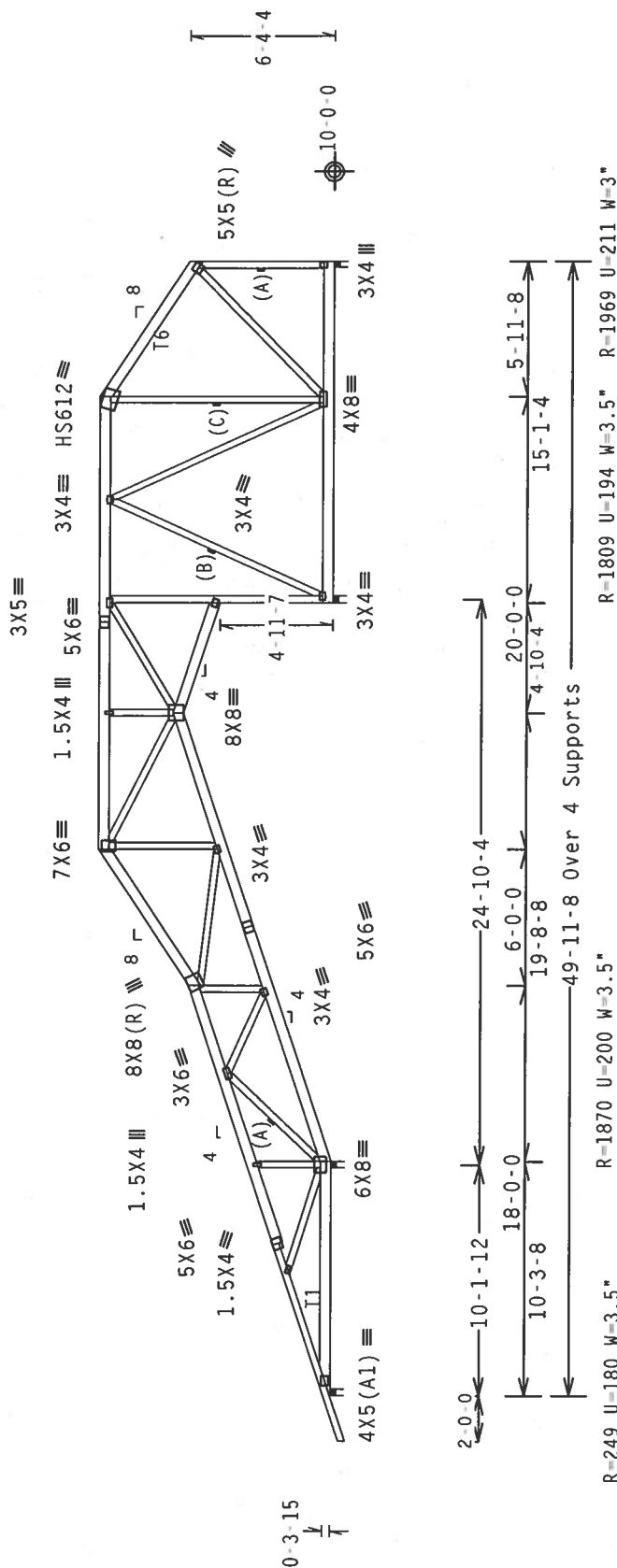
(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5" min.) nails @ 6" OC.

(C) Continuous lateral bracing equally spaced on member. Or 2x4 SP #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

(B) Continuous lateral bracing equally spaced on member. Or 2x6 SP #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6"OC.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R=1809 U=194 W=3.5" R=1969 U=211 W=3"

R=249 U=180 W=3.5*

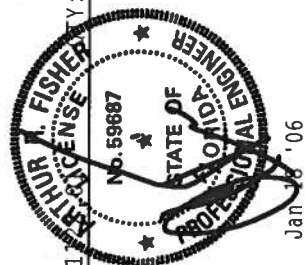
Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS.Wave

PROPERTY: 4 E11-1A1-1-1R1-

Scale = 125"/Ft

TC LL	20.0 PSF	REF	R487 - - 72941
TC DL	10.0 PSF	DATE	01/18/06
BC DL	10.0 PSF	DRW	HCUSR487 06018008
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	76751
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1STY487 Z01

[illegible][illegible]

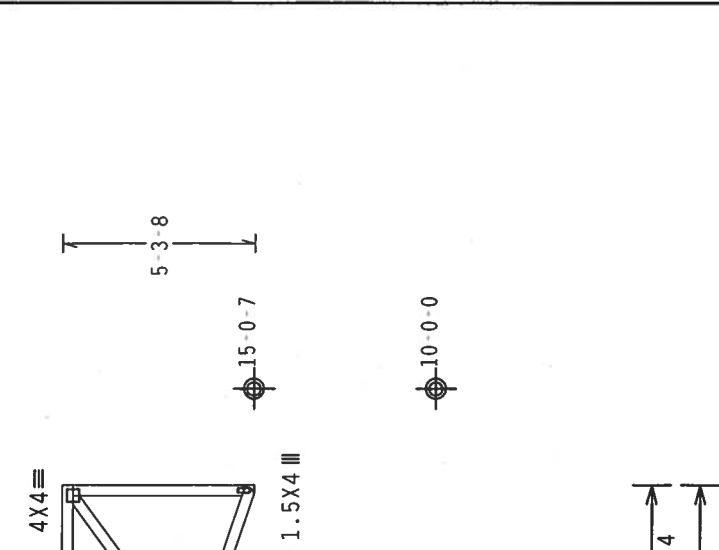
Alpine Engineered Products, Inc.
1950 Manley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

FL Certificate of Authorization #

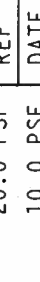
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



10(0) 7.22.11 R. R. FISHER
GLASS (1) 2X6 min. So.Pine
Scale = 1875"/Ft



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

FL Certificate of Authorization # 567

****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), 1543 D'INOFRIO DR., SUITE 200, MADISON, WI 53719, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



REF	R487 --	72942	TC LL	20.0 PSF	
DATE	01/18/06		TC DL	10.0 PSF	
DRW	HCUSR487	06018009	BC DL	10.0 PSF	
	HC-ENG JB/AF		BC LL	0.0 PSF	
SEQN-	76630		TOT.LD.	40.0 PSF	
DUR.FAC.	1.25				
SPACING	24.0"				
JREF-	1STY487_201				

Top chord 2x6 SP #2 : T1 2x4 SP #2 Dense:
: T6 2x6 SP #1 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

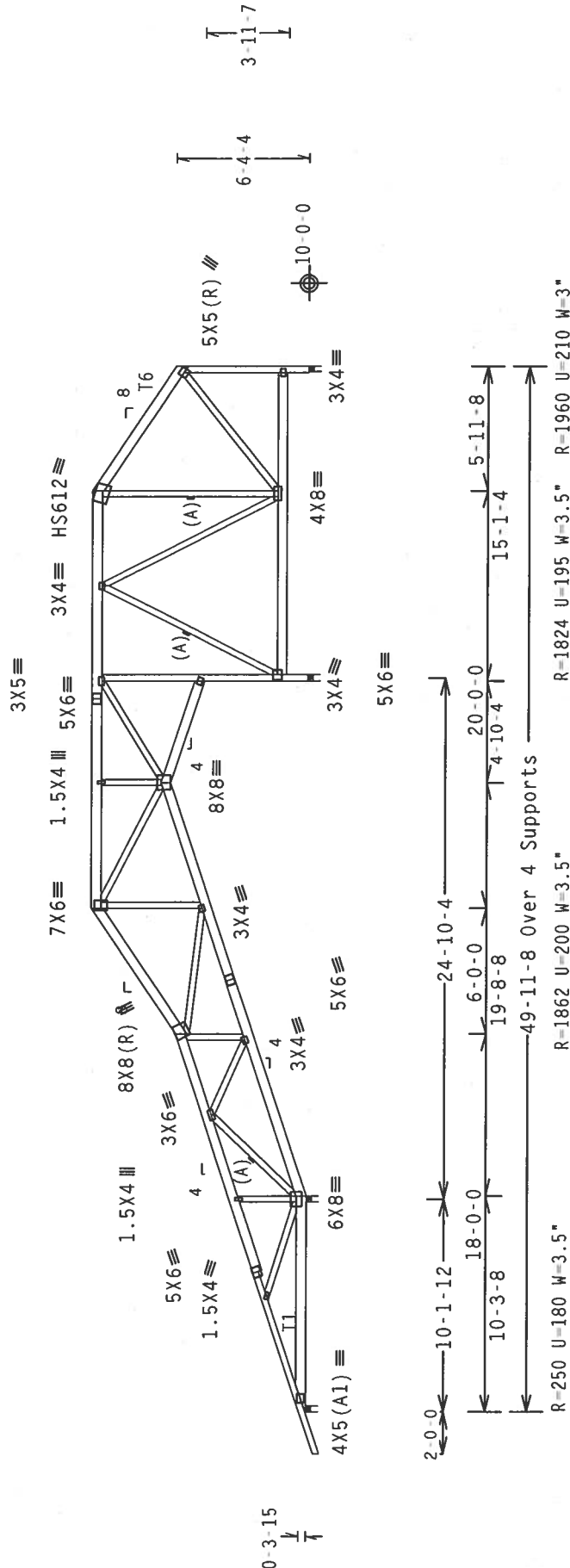
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

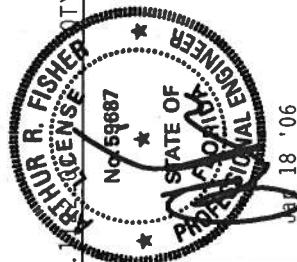
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

Scale = .125"/Ft.

TC LL	20.0	PSF	REF R487 -- 72943
TC DL	10.0	PSF	DATE 01/18/06
BC DL	10.0	PSF	DRW HCUR487 06018010
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN 76766
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1STY487 Z01



WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, INSTALLED INSTITUTE 363 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND NCA (WOOD TRUSS COUNCIL OF AMERICA), 6015 E. WILSON AVE., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

IMPORTANT—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ALPINE ENGINEERS & ARCHITECTS, 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 AIAA) AND TPI: (ALPINE ENGINEERS & ARCHITECTS, INC. 10101 15TH AVE. S.W. ALBUQUERQUE, NM 87106-3000) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS LE04.2, LE04.3, LE04.4, LE04.5, LE04.6, LE04.7, LE04.8, LE04.9, LE04.10, LE04.11, LE04.12, LE04.13, LE04.14, LE04.15, LE04.16, LE04.17, LE04.18, LE04.19, LE04.20, LE04.21, LE04.22, LE04.23, LE04.24, LE04.25, LE04.26, LE04.27, LE04.28, LE04.29, LE04.30, LE04.31, LE04.32, LE04.33, LE04.34, LE04.35, LE04.36, LE04.37, LE04.38, LE04.39, LE04.40, LE04.41, LE04.42, LE04.43, LE04.44, LE04.45, LE04.46, LE04.47, LE04.48, LE04.49, LE04.50, LE04.51, LE04.52, LE04.53, LE04.54, LE04.55, LE04.56, LE04.57, LE04.58, LE04.59, LE04.60, LE04.61, LE04.62, LE04.63, LE04.64, LE04.65, LE04.66, LE04.67, LE04.68, LE04.69, LE04.70, LE04.71, LE04.72, LE04.73, LE04.74, LE04.75, LE04.76, LE04.77, LE04.78, LE04.79, LE04.80, LE04.81, LE04.82, LE04.83, LE04.84, LE04.85, LE04.86, LE04.87, LE04.88, LE04.89, LE04.90, LE04.91, LE04.92, LE04.93, LE04.94, LE04.95, LE04.96, LE04.97, LE04.98, LE04.99, LE04.100, LE04.101, LE04.102, LE04.103, LE04.104, LE04.105, LE04.106, LE04.107, LE04.108, LE04.109, LE04.110, LE04.111, LE04.112, LE04.113, LE04.114, LE04.115, LE04.116, LE04.117, LE04.118, LE04.119, LE04.120, LE04.121, LE04.122, LE04.123, LE04.124, LE04.125, LE04.126, LE04.127, LE04.128, LE04.129, LE04.130, LE04.131, LE04.132, LE04.133, LE04.134, LE04.135, LE04.136, LE04.137, LE04.138, LE04.139, LE04.140, LE04.141, LE04.142, LE04.143, LE04.144, LE04.145, LE04.146, LE04.147, LE04.148, LE04.149, LE04.150, LE04.151, LE04.152, LE04.153, LE04.154, LE04.155, LE04.156, LE04.157, LE04.158, LE04.159, LE04.160, LE04.161, LE04.162, LE04.163, LE04.164, LE04.165, LE04.166, LE04.167, LE04.168, LE04.169, LE04.170, LE04.171, LE04.172, LE04.173, LE04.174, LE04.175, LE04.176, LE04.177, LE04.178, LE04.179, LE04.180, LE04.181, LE04.182, LE04.183, LE04.184, LE04.185, LE04.186, LE04.187, LE04.188, LE04.189, LE04.190, LE04.191, LE04.192, LE04.193, LE04.194, LE04.195, LE04.196, LE04.197, LE04.198, LE04.199, LE04.200, LE04.201, LE04.202, LE04.203, LE04.204, LE04.205, LE04.206, LE04.207, LE04.208, LE04.209, LE04.210, LE04.211, LE04.212, LE04.213, LE04.214, LE04.215, LE04.216, LE04.217, LE04.218, LE04.219, LE04.220, LE04.221, LE04.222, LE04.223, LE04.224, LE04.225, LE04.226, LE04.227, LE04.228, LE04.229, LE04.230, LE04.231, LE04.232, LE04.233, LE04.234, LE04.235, LE04.236, LE04.237, LE04.238, LE04.239, LE04.240, LE04.241, LE04.242, LE04.243, LE04.244, LE04.245, LE04.246, LE04.247, LE04.248, LE04.249, LE04.250, LE04.251, LE04.252, LE04.253, LE04.254, LE04.255, LE04.256, LE04.257, LE04.258, LE04.259, LE04.260, LE04.261, LE04.262, LE04.263, LE04.264, LE04.265, LE04.266, LE04.267, LE04.268, LE04.269, LE04.270, LE04.271, LE04.272, LE04.273, LE04.274, LE04.275, LE04.276, LE04.277, LE04.278, LE04.279, LE04.280, LE04.281, LE04.282, LE04.283, LE04.284, LE04.285, LE04.286, LE04.287, LE04.288, LE04.289, LE04.290, LE04.291, LE04.292, LE04.293, LE04.294, LE04.295, LE04.296, LE04.297, LE04.298, LE04.299, LE04.300, LE04.301, LE04.302, LE04.303, LE04.304, LE04.305, LE04.306, LE04.307, LE04.308, LE04.309, LE04.310, LE04.311, LE04.312, LE04.313, LE04.314, LE04.315, LE04.316, LE04.317, LE04.318, LE04.319, LE04.320, LE04.321, LE04.322, LE04.323, LE04.324, LE04.325, LE04.326, LE04.327, LE04.328, LE04.329, LE04.330, LE04.331, LE04.332, LE04.333, LE04.334, LE04.335, LE04.336, LE04.337, LE04.338, LE04.339, LE04.340, LE04.341, LE04.342, LE04.343, LE04.344, LE04.345, LE04.346, LE04.347, LE04.348, LE04.349, LE04.350, LE04.351, LE04.352, LE04.353, LE04.354, LE04.355, LE04.356, LE04.357, LE04.358, LE04.359, LE04.360, LE04.361, LE04.362, LE04.363, LE04.364, LE04.365, LE04.366, LE04.367, LE04.368, LE04.369, LE04.370, LE04.371, LE04.372, LE04.373, LE04.374, LE04.375, LE04.376, LE04.377, LE04.378, LE04.379, LE04.380, LE04.381, LE04.382, LE04.383, LE04.384, LE04.385, LE04.386, LE04.387, LE04.388, LE04.389, LE04.390, LE04.391, LE04.392, LE04.393, LE04.394, LE04.395, LE04.396, LE04.397, LE04.398, LE04.399, LE04.400, LE04.401, LE04.402, LE04.403, LE04.404, LE04.405, LE04.406, LE04.407, LE04.408, LE04.409, LE04.410, LE04.411, LE04.412, LE04.413, LE04.414, LE04.415, LE04.416, LE04.417, LE04.418, LE04.419, LE04.420, LE04.421, LE04.422, LE04.423, LE04.424, LE04.425, LE04.426, LE04.427, LE04.428, LE04.429, LE04.430, LE04.431, LE04.432, LE04.433, LE04.434, LE04.435, LE04.436, LE04.437, LE04.438, LE04.439, LE04.440, LE04.441, LE04.442, LE04.443, LE04.444, LE04.445, LE04.446, LE04.447, LE04.448, LE04.449, LE04.450, LE04.451, LE04.452, LE04.453, LE04.454, LE04.455, LE04.456, LE04.457, LE04.458, LE04.459, LE04.460, LE04.461, LE04.462, LE04.463, LE04.464, LE04.465, LE04.466, LE04.467, LE04.468, LE04.469, LE04.470, LE04.471, LE04.472, LE04.473, LE04.474, LE04.475, LE04.476, LE04.477, LE04.478, LE04.479, LE04.480, LE04.481, LE04.482, LE04.483, LE04.484, LE04.485, LE04.486, LE04.487, LE04.488, LE04.489, LE04.490, LE04.491, LE04.492, LE04.493, LE04.494, LE04.495, LE04.496, LE04.497, LE04.498, LE04.499, LE04.500, LE04.501,



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

FL Certificate of Authorization # 567
Haines City, FL 33844

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
:T6 2x6 SP #1 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS

-----	(LUMBER	DUR.FAC.=1.25 / PLATE	DUR.FAC.=1.25)
TC - From	61 PLF at	-2.00 to	61 PLF at 18.00
TC - From	64 PLF at	18.00 to	64 PLF at 24.00
TC - From	61 PLF at	24.00 to	61 PLF at 43.71
TC - From	312 PLF at	43.71 to	315 PLF at 44.00
TC - From	318 PLF at	44.00 to	370 PLF at 49.96
BC - From	4 PLF at	-2.00 to	4 PLF at 0.00
BC - From	20 PLF at	0.00 to	20 PLF at 37.15
BC - From	20 PLF at	37.15 to	20 PLF at 49.96

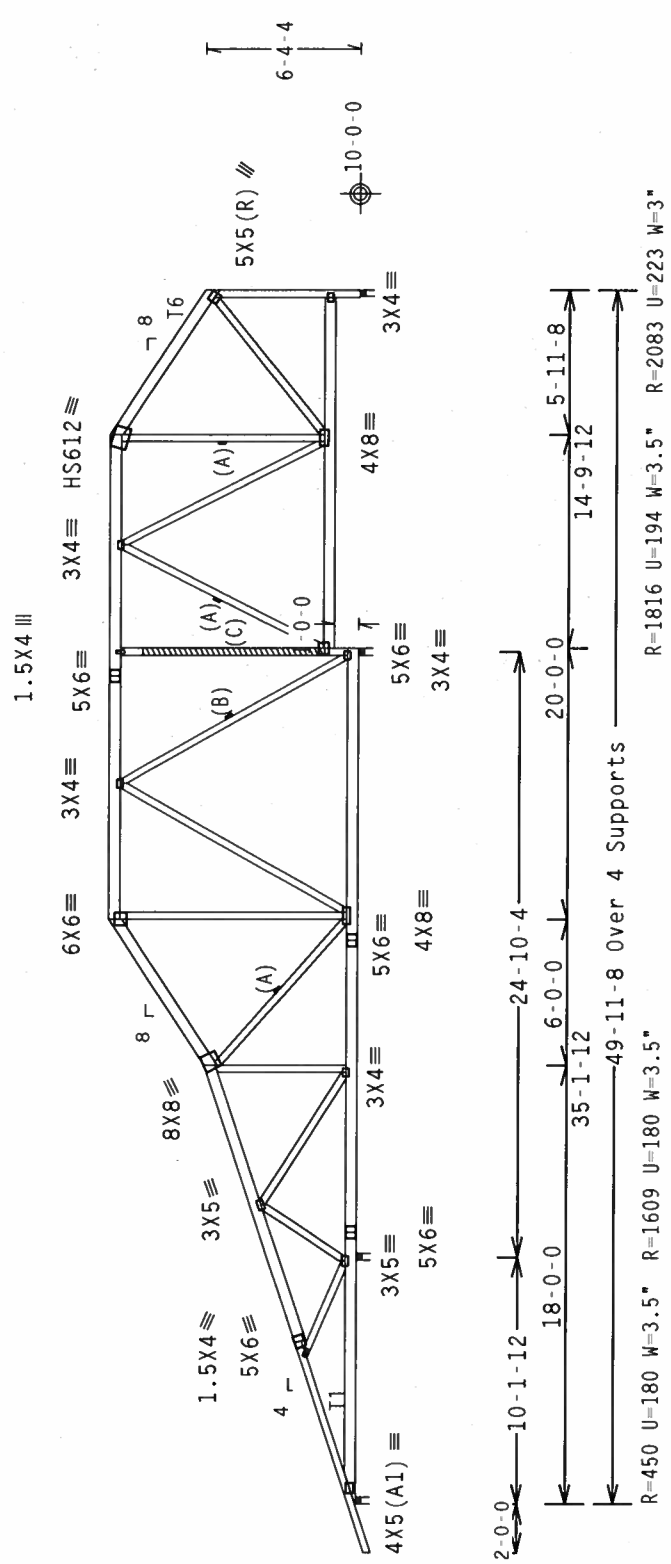
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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.

- (C) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.
- (A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.
- (B) Continuous lateral bracing equally spaced on member. Or 2x6 SP #3 or better "I" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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



PLT TYP. 20 Gauge HS.Wave
Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11

Professional Engineer Seal for R. Fisher, State of Florida, No. 59887, dated Jun 18 2006.

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

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 CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (M. K/M.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCKED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES SHALL BE PER ANNEAL A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN. THE RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R487--	72944
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	10.0 PSF	DRW	HCUSR487	06018011
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	76800	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STY487_Z01	

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
:T6 2x6 SP #1 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS

TC - From	61 PLF at -2.00 to	61 PLF at 18.00
TC - From	64 PLF at 18.00 to	64 PLF at 24.00
TC - From	61 PLF at 24.00 to	61 PLF at 43.71
TC - From	312 PLF at 43.71 to	315 PLF at 44.00
TC - From	318 PLF at 44.00 to	370 PLF at 49.96
BC - From	4 PLF at -2.00 to	4 PLF at 0.00
BC - From	20 PLF at 0.00 to	20 PLF at 37.15
BC - From	20 PLF at 37.15 to	20 PLF at 49.96

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

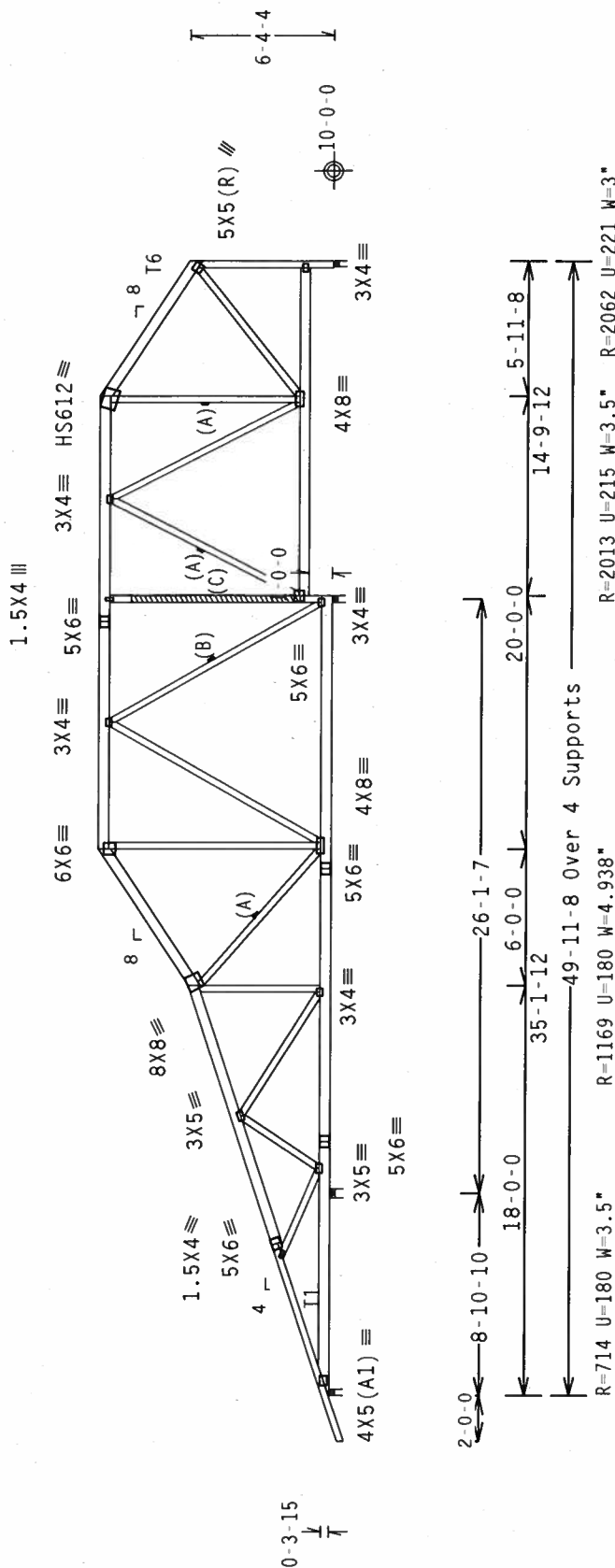
Right end vertical not exposed to wind pressure.

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

(B) Continuous lateral bracing equally spaced on member. Or 2x6 SP #3 or better "I" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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



Design Crit: TPI-2002 (STD) /FBC

PLT TYP. 20 Gauge HS.Wave

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

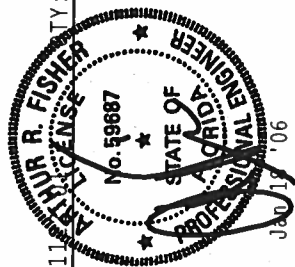
7.22.11

Scale = .125" / Ft.

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Haines City, FL 33844
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ALPINE

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Haines City, FL 33844
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TC LL	20.0 PSF	REF	R487-- 72945
TC DL	10.0 PSF	DATE	01/18/06
BC DL	10.0 PSF	DRW	HCUSR487 06018012
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	76809
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1STY487_Z01

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:

:T6 2x6 SP #1 Dense:

Bot chord 2x6 SP #2

webs 2x4 SP #3

SPECIAL LOADS

TC - From	61 PLF at 18.00 to	61 PLF at 18.00
TC - From	64 PLF at 18.00 to	64 PLF at 24.00
TC - From	61 PLF at 24.00 to	61 PLF at 29.35
TC - From	82 PLF at 29.35 to	82 PLF at 29.63
TC - From	112 PLF at 29.63 to	112 PLF at 49.96
BC - From	4 PLF at 0.00 to	4 PLF at 0.00
BC - From	20 PLF at 0.00 to	20 PLF at 37.15
BC - From	20 PLF at 37.15 to	20 PLF at 49.96

+ MEMBER TO BE Laterally Braced For Horizontal Wind Loads.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

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

See DWGS A11015EE0405 & G8LLETIN0405 for more requirements.
8X8

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

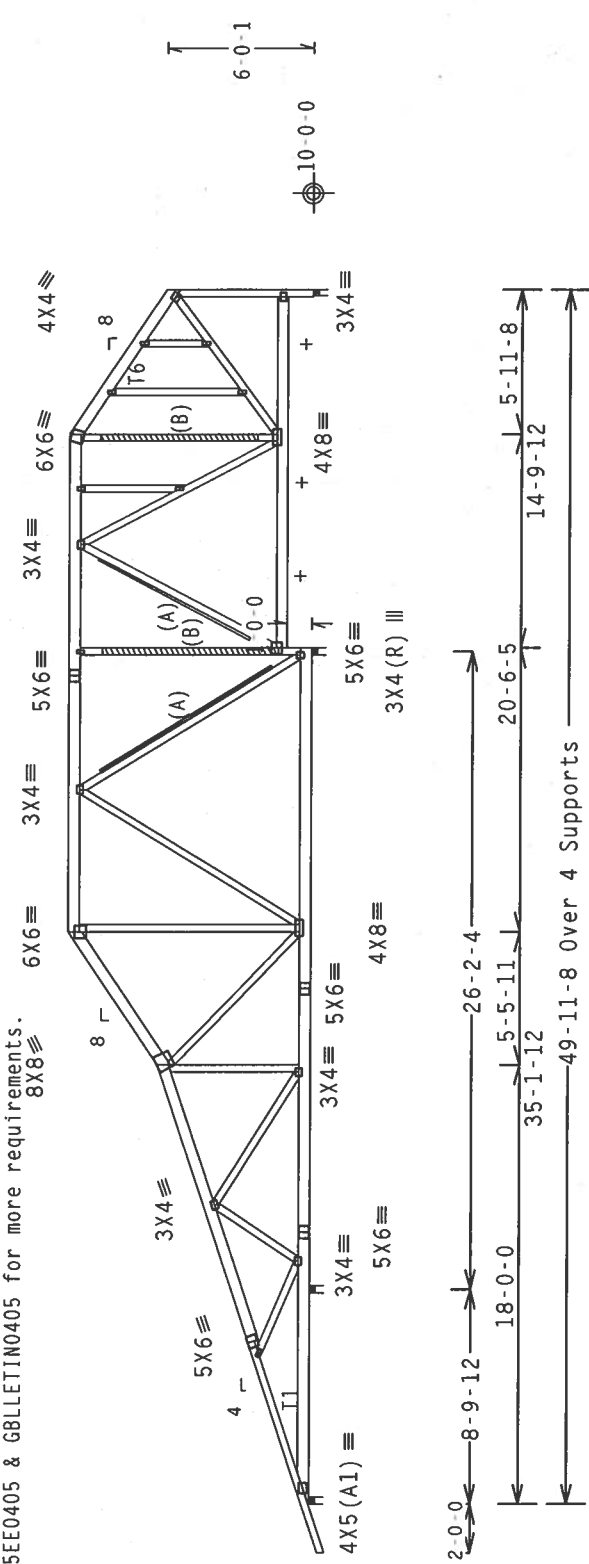
Right end vertical not exposed to wind pressure.

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

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

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.22.1

FL/-4/-/R/-

Scale = .125" / Ft.

PLT TYP. Wave

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSES, INC., 1000 ENTERPRISE DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR.,
MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
ALPINE ENGINEERED
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI.
CONNECTOR PLATES ARE MADE OF 2018/166GA (W/H/S/K) ASTM A653 GRADE 40/60 (W. K/H.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 ANNEA 3 OF TPI-2002 SEC.3. A SEAL ON THIS
DESIGN INDICATES THE SIGNATURE OF THE BUILDING DESIGNER. THE BUILDING DESIGNER'S RESPONSIBILITY FOR THE TRUSS COMPONENT
DESIGN SHOWN HEREIN IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/1.1 SEC. 2.

TC LL	20.0 PSF	REF	R487-- 72946
TC DL	10.0 PSF	DATE	01/18/06
BC DL	10.0 PSF	DRW	HCUSR487 06018013
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	76871
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1STY487_Z01

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

R. FISHER
No. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 18 '06

Top chord 2x6 SP #2 :T1, T8 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

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

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

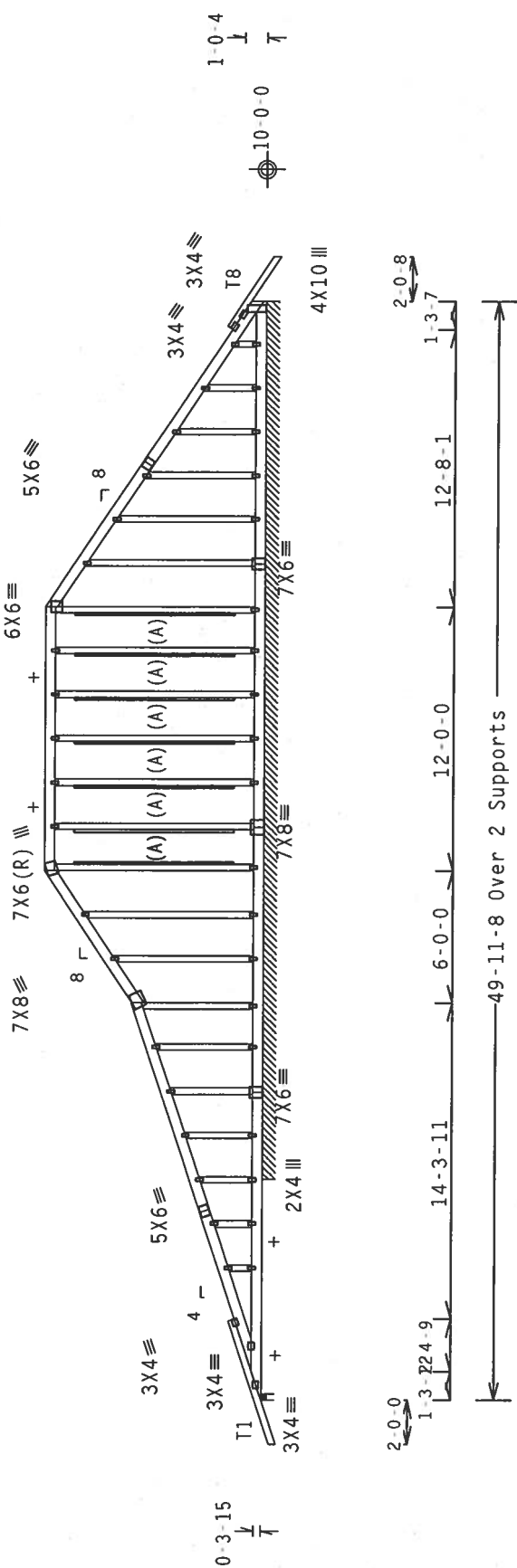
+ MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

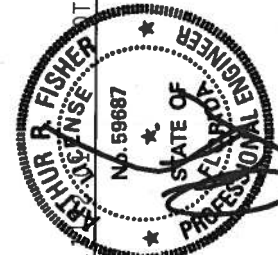
See DWGS A11015EE0405 & GBLLETTIN0405 for more requirements.



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002 (STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.

PLT TYP. Wave

Scale = .125" / Ft.	
REF	R487 -- 72948
DATE	01/18/06
DRW	HCUSR487 06018024
HC-ENG	JB/AF
SEQN-	24891
REV	
DUR.FAC.	1.25
SPACING	24.0"
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
JREF	1STY487_201



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

ALPINE

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

Top chord 2x4 SP #2 Dense :T2, T5, T6, T7 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W11 2x4 SP #2 Dense:

SPECIAL LOADS

- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
- TC - From 61 PLF at -2.00 to 61 PLF at 18.00
- TC - From 64 PLF at 18.00 to 64 PLF at 22.17
- TC - From 94 PLF at 22.17 to 94 PLF at 22.74
- TC - From 115 PLF at 22.74 to 115 PLF at 24.00
- TC - From 112 PLF at 24.00 to 112 PLF at 35.25
- TC - From 82 PLF at 35.25 to 82 PLF at 36.00
- TC - From 85 PLF at 36.00 to 64 PLF at 52.00
- BC - From 4 PLF at -2.00 to 20 PLF at 49.96

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

See DWGS A11015EE0405 & 6BLLETIN0405 for more requirements.

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

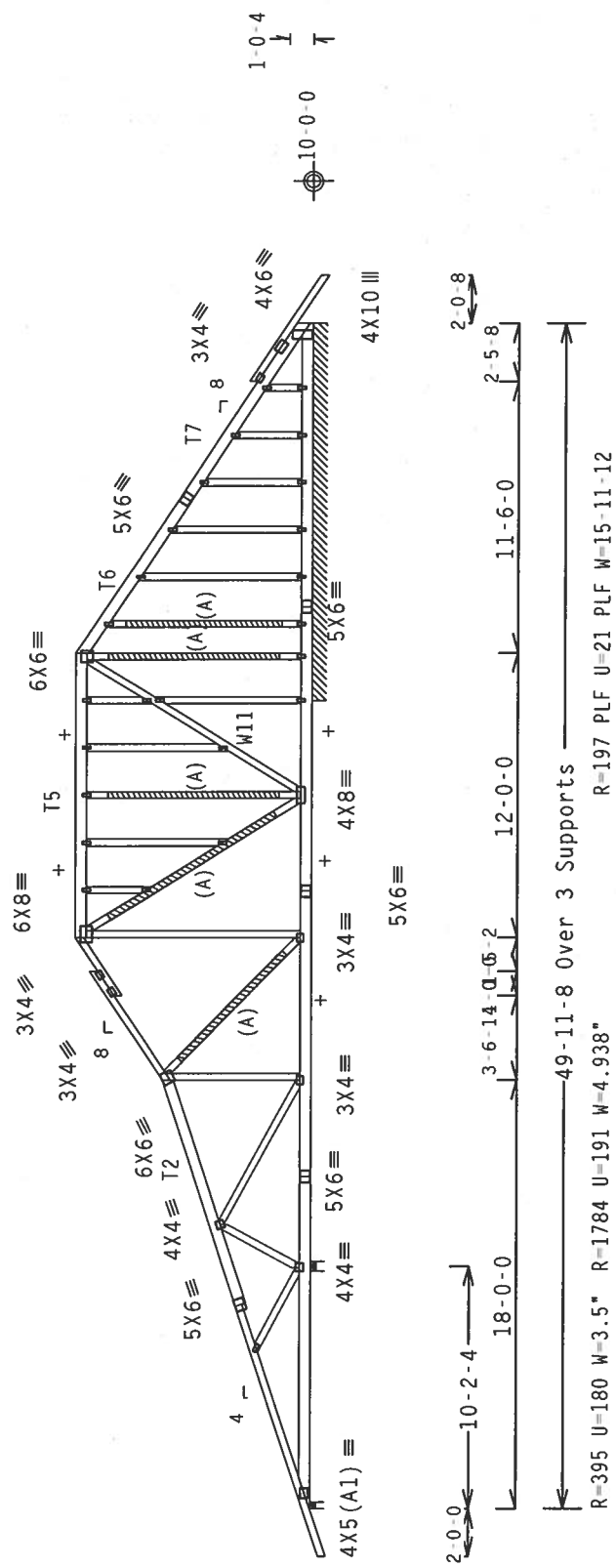
Right end vertical not exposed to wind pressure.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.22.11

Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R487--	72949
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	10.0 PSF	DRW	HCUSR487	06018015
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	76905	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STY487_Z01	

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

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

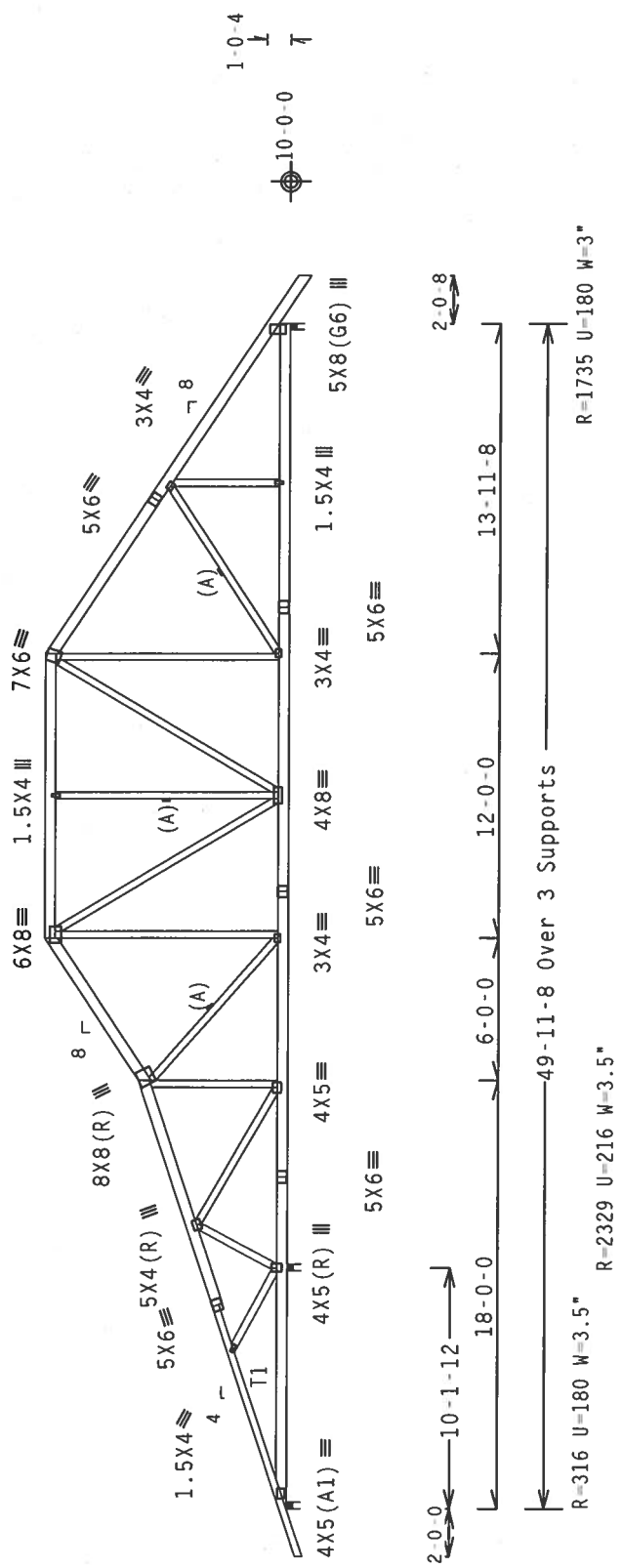
Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3
:Rt Stubbed Wedge 2x4 SP #3:

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

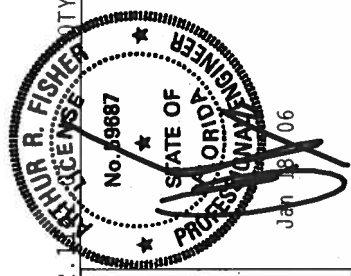
(A) Continuous lateral bracing equally spaced on member.

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



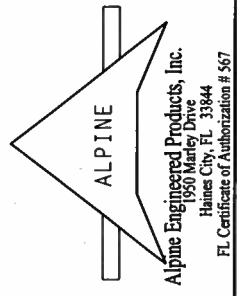
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	Scale = .125" /Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
REF	R487-- 72950
DATE	01/18/06
DRW	HCUSR487 06018016
HC-ENG	JB/AF
SEQN-	24870
JREF-	1STY487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.031 BUILDING COMPONENT SAFETY INFORMATION, PRODUCT INFORMATION, AND INSTALLATION INSTRUCTIONS. 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 AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W.H/5/K) ASTM A653 GRADE 40/60 (N. K/H.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE. THIS SEAL IS NOT A SEAL OF THE BUILDING DESIGNER'S RESPONSIBILITY. THE BUILDING DESIGNER SHALL HAVE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****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 AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W.H/5/K) ASTM A653 GRADE 40/60 (N. K/H.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE. THIS SEAL IS NOT A SEAL OF THE BUILDING DESIGNER'S RESPONSIBILITY. THE BUILDING DESIGNER SHALL HAVE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



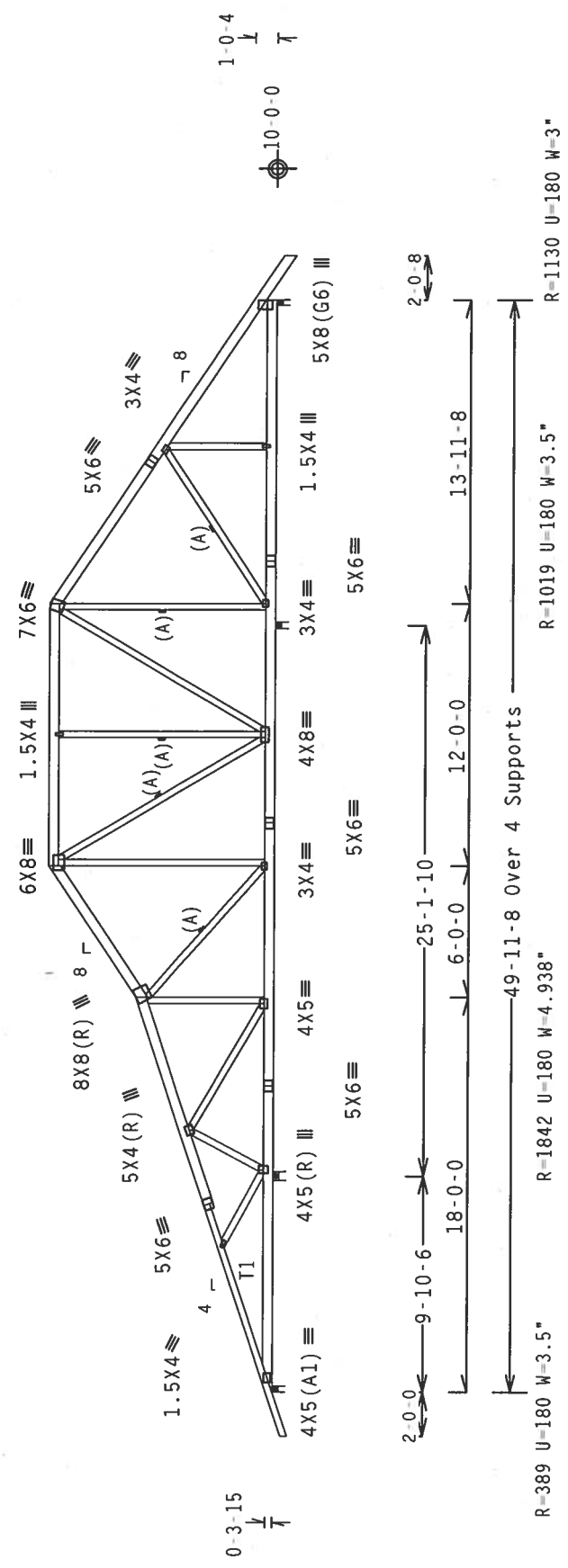
Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3
:Rt Stubbed Wedge 2x4 SP #3:

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

(A) Continuous lateral bracing equally spaced on member.

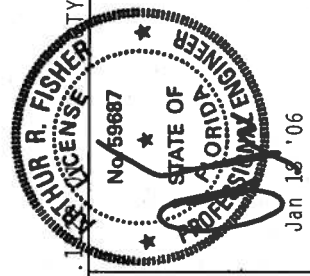
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



R=389 U=180 W=3.5" R=1842 U=180 W=4.938" R=1019 U=180 W=3.5" R=1130 U=180 W=3"

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.22.11

TC LL	20.0 PSF	REF	R487--	72951
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	10.0 PSF	DRW	HCUSR487	06018017
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	24934	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STY487_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 1500 ENTERPRISE BLVD., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. E/M.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING SHOWS THE QUALITY AND PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER PER ANS/TP1 1 SEC. 2.

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

Top chord 2x6 SP #2 : T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 : W14 2x4 SP #2 Dense:
:Rt Stubbed Wedge 2x4 SP #3:

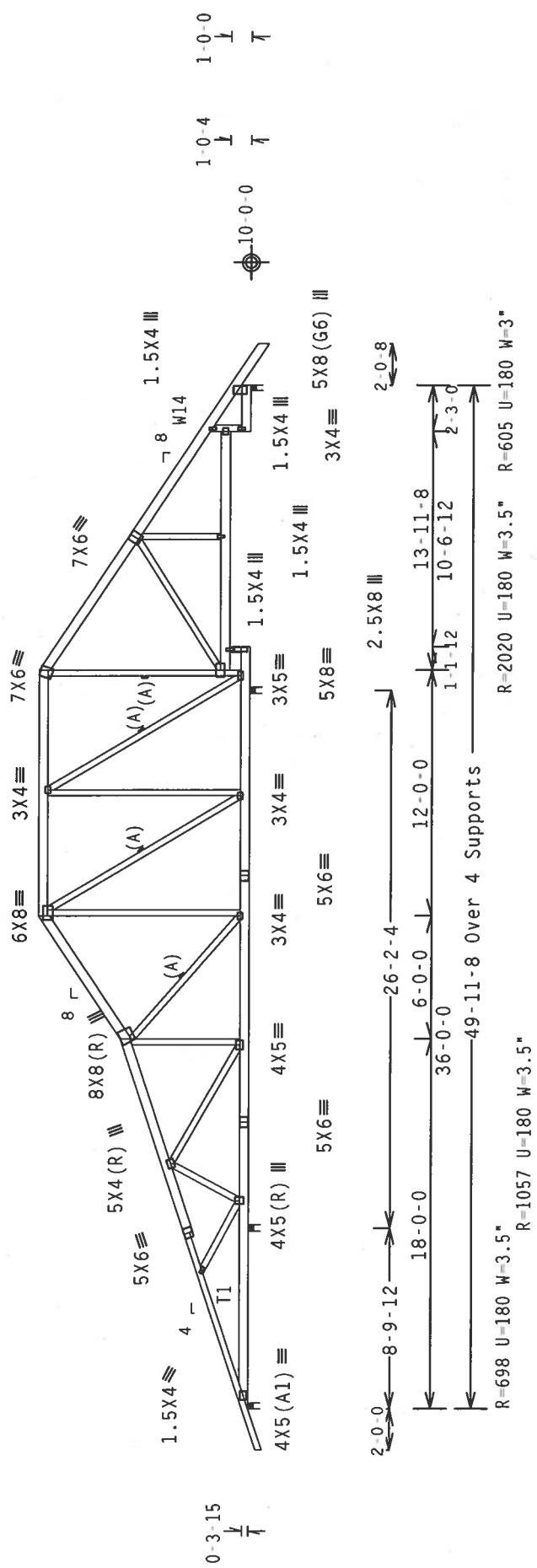
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

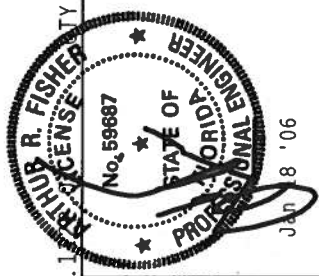
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

SEE DWGS TC FILLER1103 AND BC FILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP
CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT
CHORD ENDS.

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

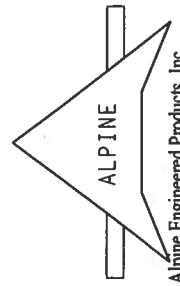
Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R487--	72952
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	10.0 PSF	DRW	HCUSR487	06018018
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	24922	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STV487_Z01	



*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, 383
D'ONOFIO DR., SUITE 200, MADISON, WI 53715) AND WCA (WOOD TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LN.,
MADISON, WI 53715) 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 BUILDINGS INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS SPECIFICATION WILL BE THE SOLE RESPONSIBILITY OF THE TRUSS DESIGNER. THE DESIGN CONFORMS WITH APPLICABLE RESPONSES OF NDS (NATIONAL DESIGN SPEC., BY FEPAD) AND TPI (TRUSS PLATE INFORMATION). ALL CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE FOLLOWING: GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 4 OF TP11-2002 SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX/TP11 SEC. 2.



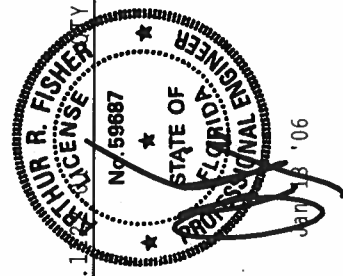
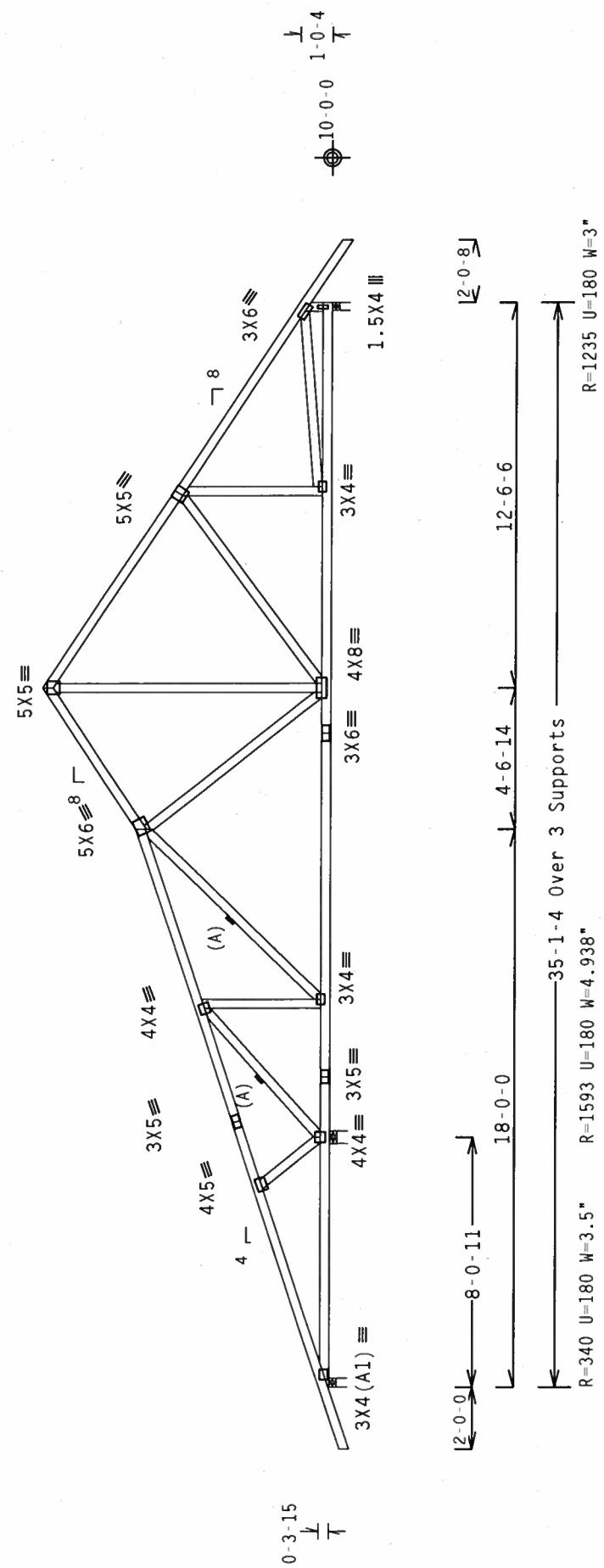
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave		Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.22.1		Scale = .1875"/Ft.	
ALPINE		TC LL	20.0 PSF	REF	R487-- 72953
		TC DL	10.0 PSF	DATE	01/18/06
		BC DL	10.0 PSF	DRW	HCUSR487 06018019
		BC LL	0.0 PSF	HC-ENG	JB/AF
		TOT.LD.	40.0 PSF	SEQN-	24967
		DUR.FAC.	1.25		
		SPACING	24.0"	JREF-	1STY487_Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W.H/2X) ASTM A653 GRADE 40/60 (W. K/H.5) GALV. STEEL. APPLY PLATING TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. PLATING SPECIFICATIONS ARE PER TPI-2002 (STD)/FBC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY 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

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

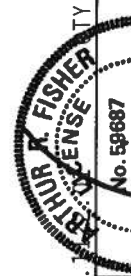
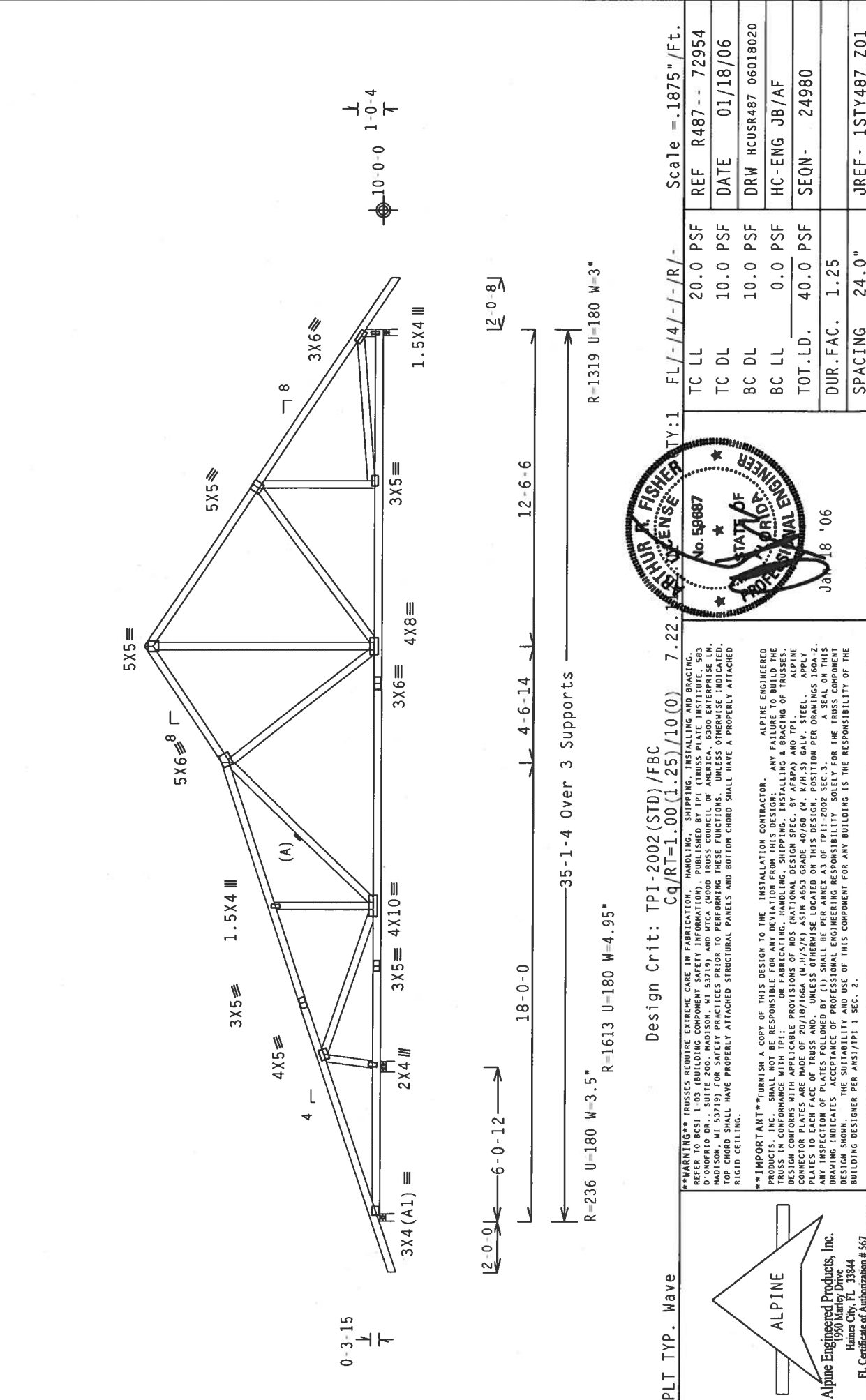
FL Certificate of Authorization # 567

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

(A) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

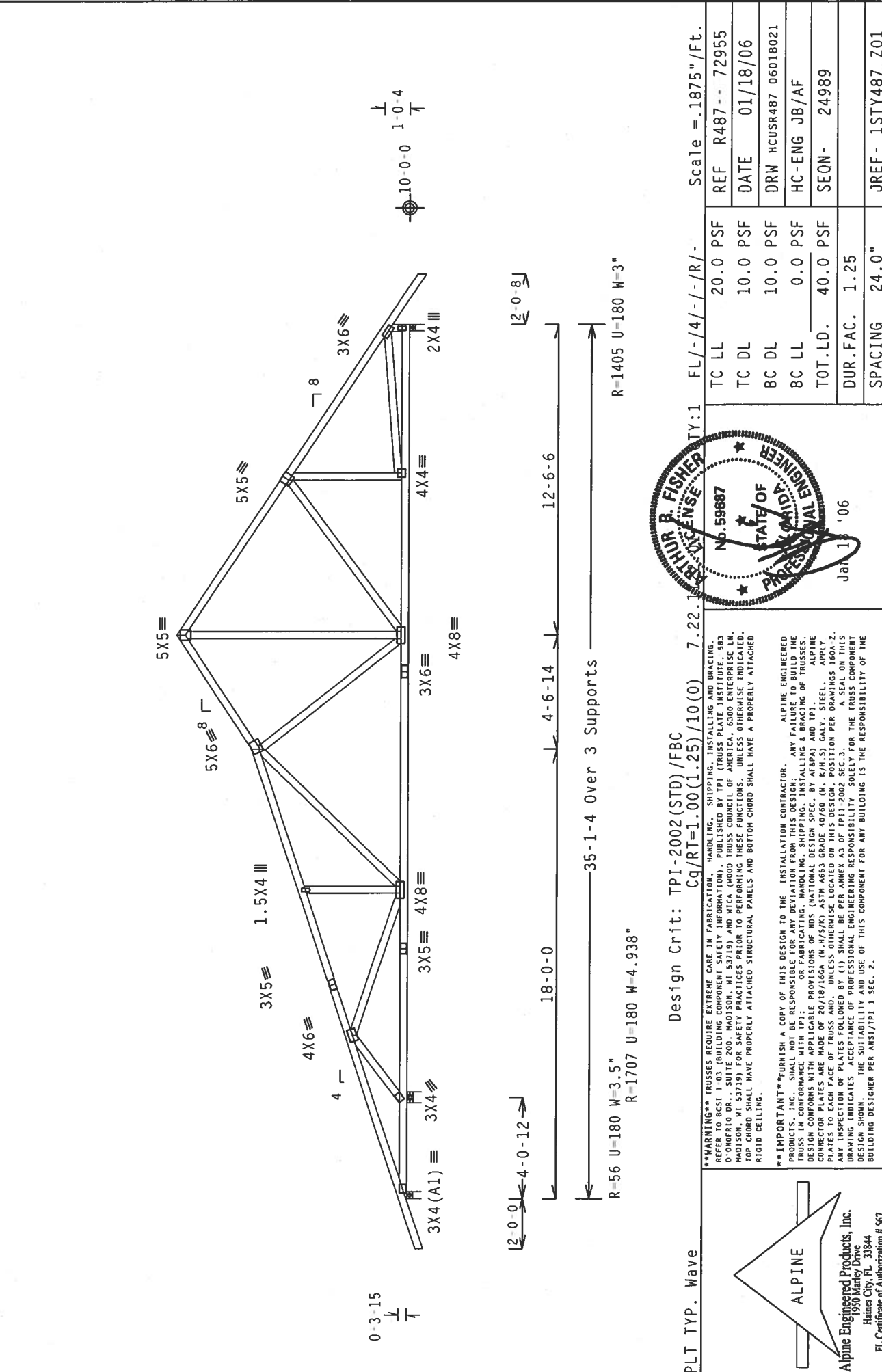


PLT TYP. Wave	Design Crit: TPI-2002 (STD) / FBC Cq/RT=1.00(1.25)/10(0) 7.22	Scale = .1875" / Ft.
REF R487-- 72954	TC LL 20.0 PSF	FL / - / 4 / - / - / R / -
DATE 01/18/06	TC DL 10.0 PSF	
DRW HCUSR487 06018020	BC DL 10.0 PSF	
HC-ENG JB/AF	BC LL 0.0 PSF	
SEQN- 24980	TOT.LD. 40.0 PSF	
	DUR.FAC. 1.25	
	SPACING 24.0"	
	JREF- 1STY487_Z01	

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. Creep increase factor for dead load is 1.50.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.10

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	72955
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	10.0 PSF	DRW	HCUSR487	06018021
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	24989	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STY487_Z01	

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

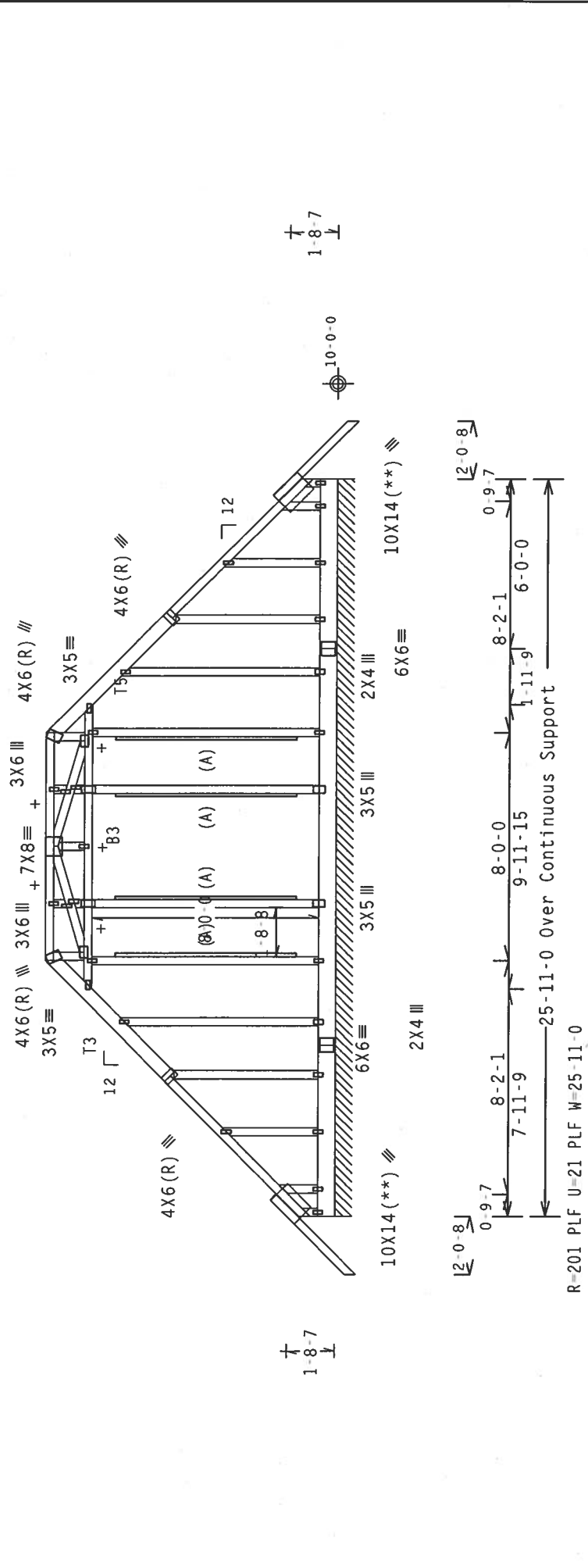
ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
Professional Engineer
Jan 18 '06

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFSPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H.S) GALV. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER'S SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 Dense :T3, T5 2x6 SP #1 Dense:
Bot chord 2x8 SP #1 Dense :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR. FAC. =1.25 / PLATE DUR. FAC. =1.25)
TC - From 98 PLF at -2.04 to 98 PLF at 6.96
TC - From 127 PLF at 6.96 to 127 PLF at 7.31
TC - From 98 PLF at 7.31 to 127 PLF at 18.60
TC - From 127 PLF at 18.60 to 127 PLF at 18.96
TC - From 98 PLF at 18.96 to 98 PLF at 27.96
PLT - From 20 PLF at 8.21 to 20 PLF at 17.70
BC - From 6 PLF at -2.04 to 6 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 6.96
BC - From 120 PLF at 6.96 to 120 PLF at 18.96
BC - From 20 PLF at 18.96 to 20 PLF at 25.92
BC - From 6 PLF at 25.92 to 6 PLF at 27.96
BC - 153 LB Conc. Load at 6.96, 18.96

(**) Plate relocated as shown.
+ MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11
PLT TYP. Wave

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

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE RD, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A553 GRADE 40/60 (W. K/H.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2. PLATES FOLLOWED BY (C) SHALL BE PER ANNEAL AS OF 1711-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN. THE SUIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Scale = .1875" / Ft.

TC LL	20.0 PSF	REF	R487--	72957
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	10.0 PSF	DRW	HCUSR487	06018023
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	137386	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STY487_Z01	

Jan 18 '06

Top chord 2x4 SP #2 Dense :T2, T4 2x6 SP #2:
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

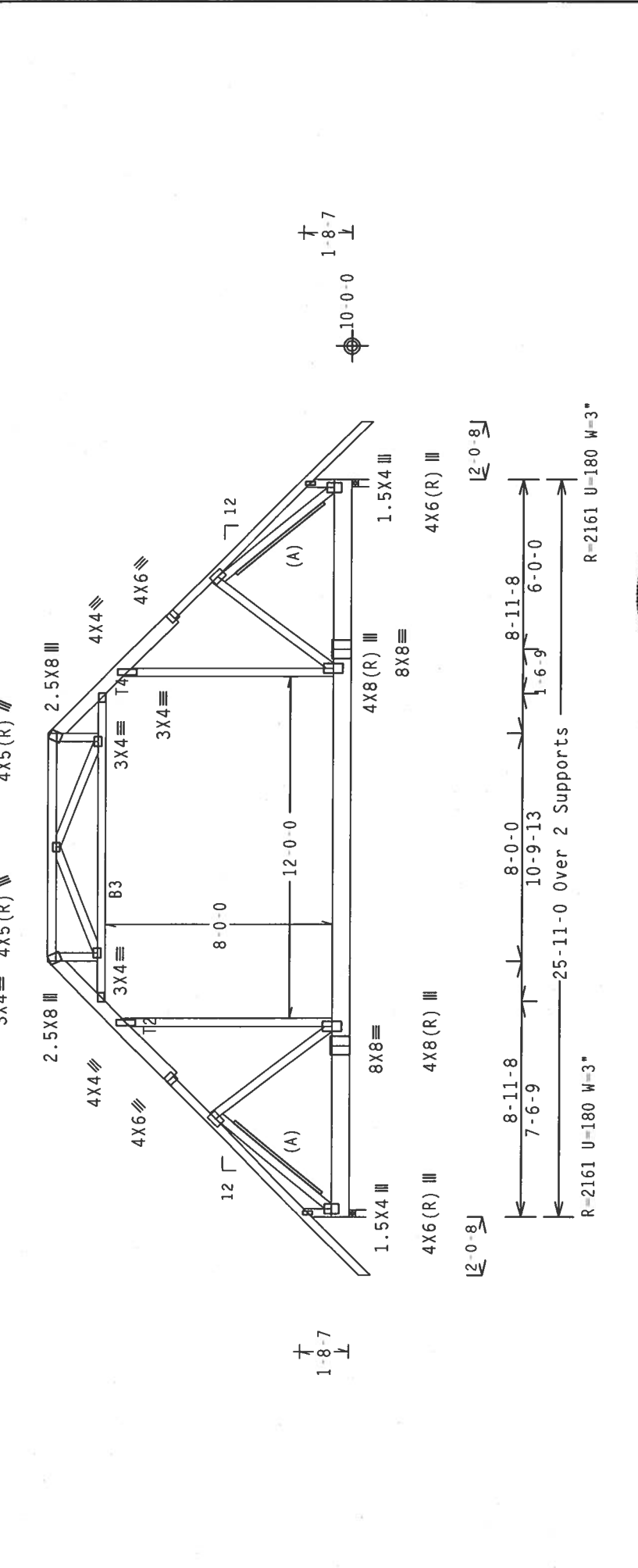
(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-11-8 to 18-11-8.

110 mph wind, 15.16 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.14

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	72958
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	10.0 PSF	DRW	HCUSR487	06018037
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	25046	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STY487_Z01	

ALPINE

Alpine Engineered Products, Inc.
Haines City, FL 33844

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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (N.H/S/K) ASTM A553 GRADE 40/60 (N. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PROFESSIONAL ENGINEER

ALPINE ENGINEERED PRODUCTS, INC.

No. 59687

STATE OF FLORIDA

Jan 17, 2006

Top chord 2x4 SP #2 Dense :T2, T4 2x6 SP #2:
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

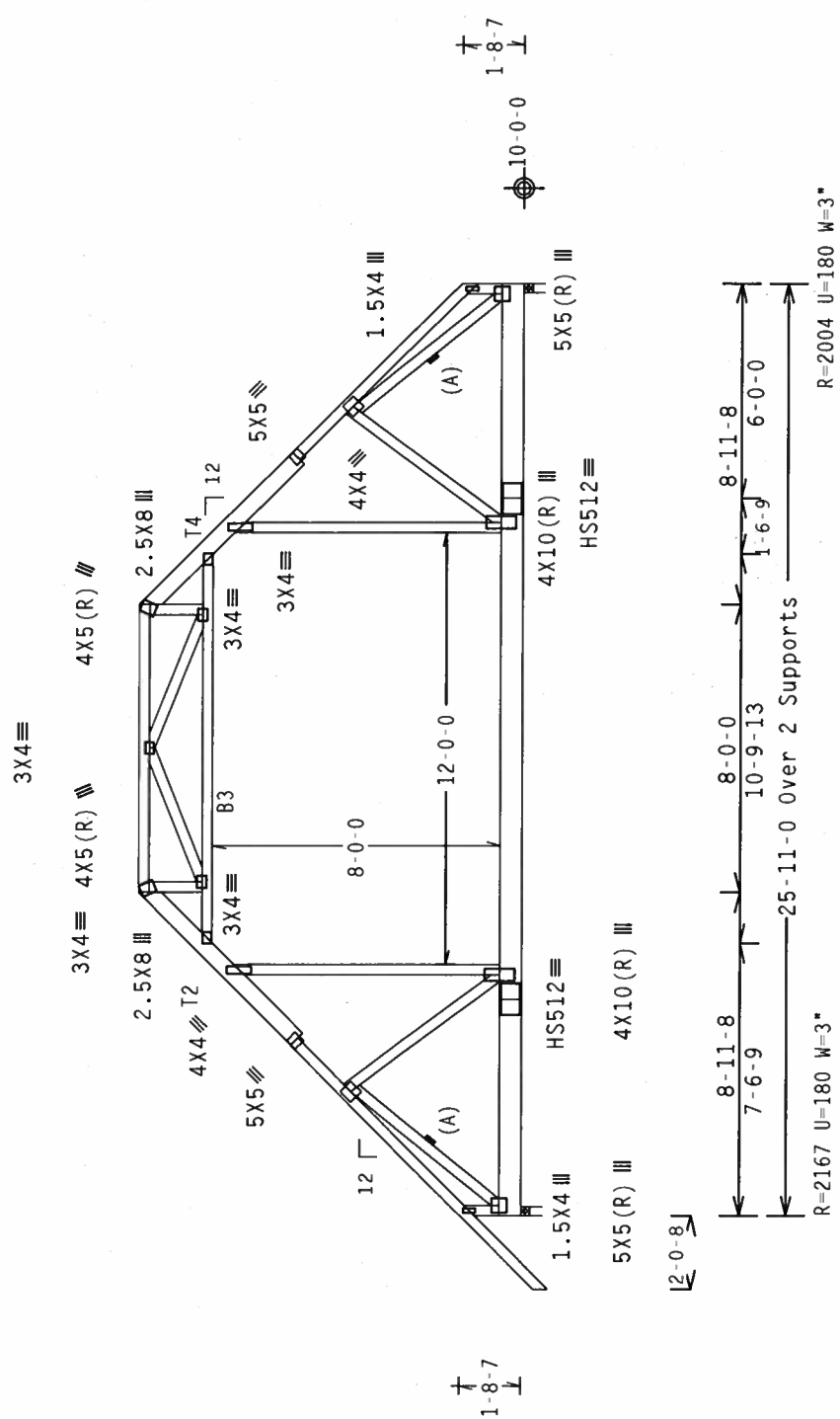
1110 mph wind; 15.16 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-11-8 to 18-11-8.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



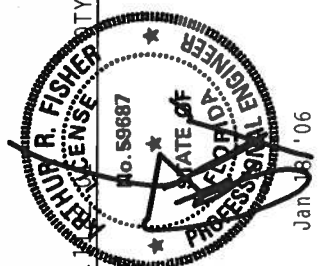
R=2004 U=180 W=3"

PLT TYP. 20 Gauge HS, Wave

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

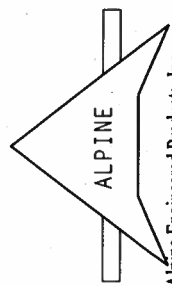
Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R487--	72959
TC DL	10.0	PSF	DATE	01/18/06	
BC DL	10.0	PSF	DRW	HCUSR487	06018025
BC LL	0.0	PSF	HC-ENG JB/AF		
TOT.LD.	40.0	PSF	SEQN-	25162	
DUR.FAC.	1.25				
SPACING	24.0"		JREF- 1STY487_Z01		

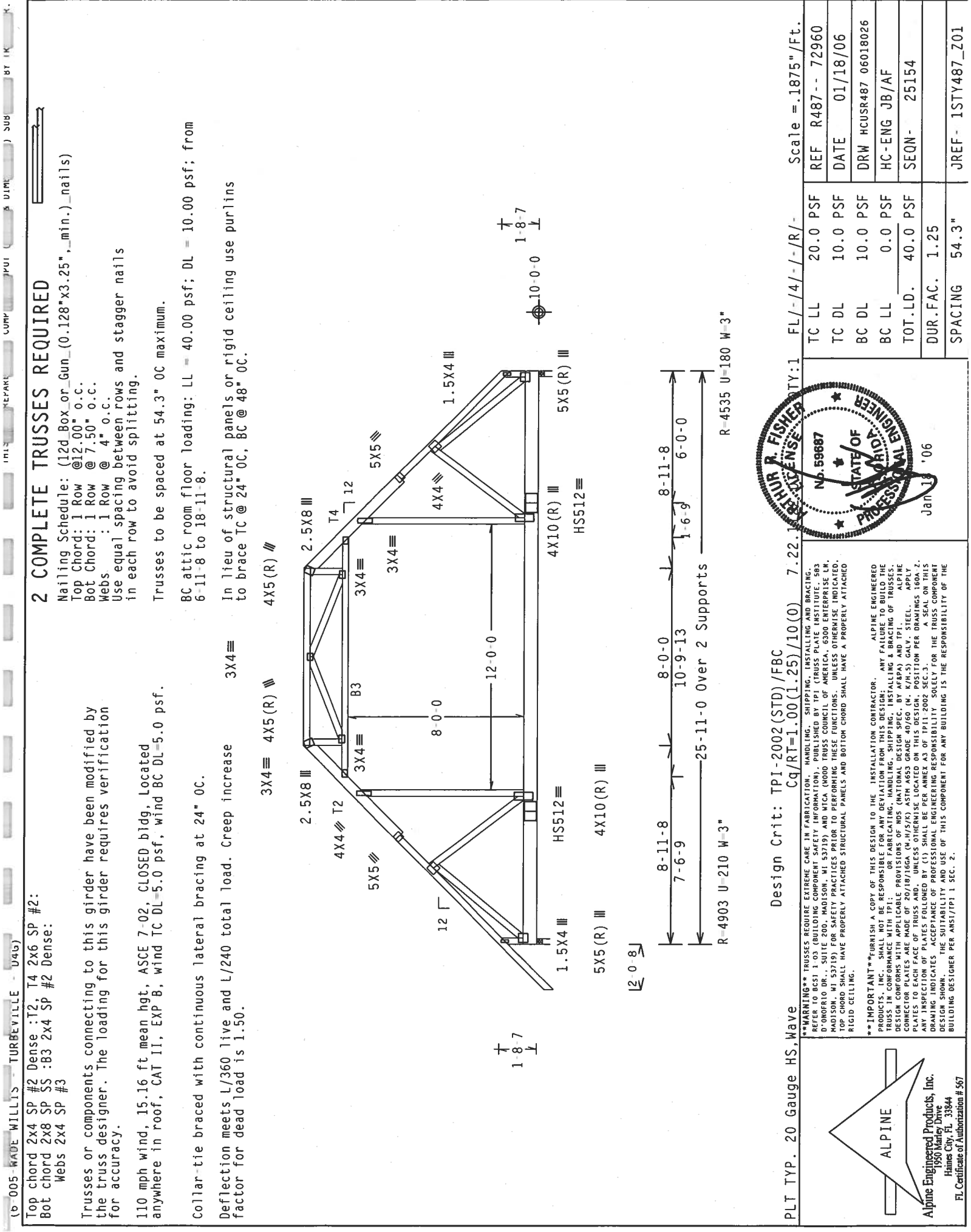


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PACE INSTITUTE, 583 N. OMBROD RD., SUITE 200, MADISON, WI 53715) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., WILSONVILLE, OR 97150) FOR ADDITIONAL INFORMATION. THE FOLLOWING PRECAUTIONS ARE REQUIRED FOR THE PROPER INSTALLATION OF THE TRUSSES TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED, RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 2018/T6015 OF ALUMINUM (NATIONAL DESIGN SPEC., BY A9AA) AND TPI-1. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. POSITION PER ANS/1 SEC. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1 2003-SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX/TPI 1 SEC. 2.



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1950 Marley Drive
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2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)
Top Chord: 1 Row @ 12.00" O.C.
Bot Chord: 1 Row @ 7.50" O.C.
Webs: 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Trusses to be spaced at 54.3" OC maximum.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-11-8 to 18-11-8.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 48" OC.

3X4 = 4X5(R) = 4X5(R) =

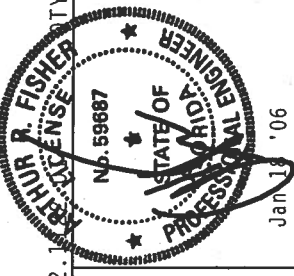
Top chord 2x4 SP #2 Dense : T2, T4 2x6 SP #2:
Bot chord 2x8 SP #3 : B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

110 mph wind, 15.16 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

3X4 = 4X5(R) = 4X5(R) =



PLT TYP. 20 Gauge HS, Wave	Design Crit: TPI-2002(STD)/FBC	Cq/RT=1.00(1.25)/10(0)	7-22-11	FL/-4/-/-R/-	Scale = .1875" / Ft.
TC LL	20.0 PSF	REF	R487--	72960	
TC DL	10.0 PSF	DATE	01/18/06		
BC DL	10.0 PSF	DRW	HCUSR487	06018026	
BC LL	0.0 PSF	HC-ENG	JB/AF		
TOT.LD.	40.0 PSF	SEQN-	25154		
DUR.FAC.	1.25				
SPACING	54.3"	JREF-	1STY487_Z01		

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL COUNCIL OF AMERICAN TRUSS ROOFING MANUFACTURERS, 1000 N. MICHIGAN, SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA) 5300 ENTERPRISE BLVD., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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Haines City, FL 33844
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Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

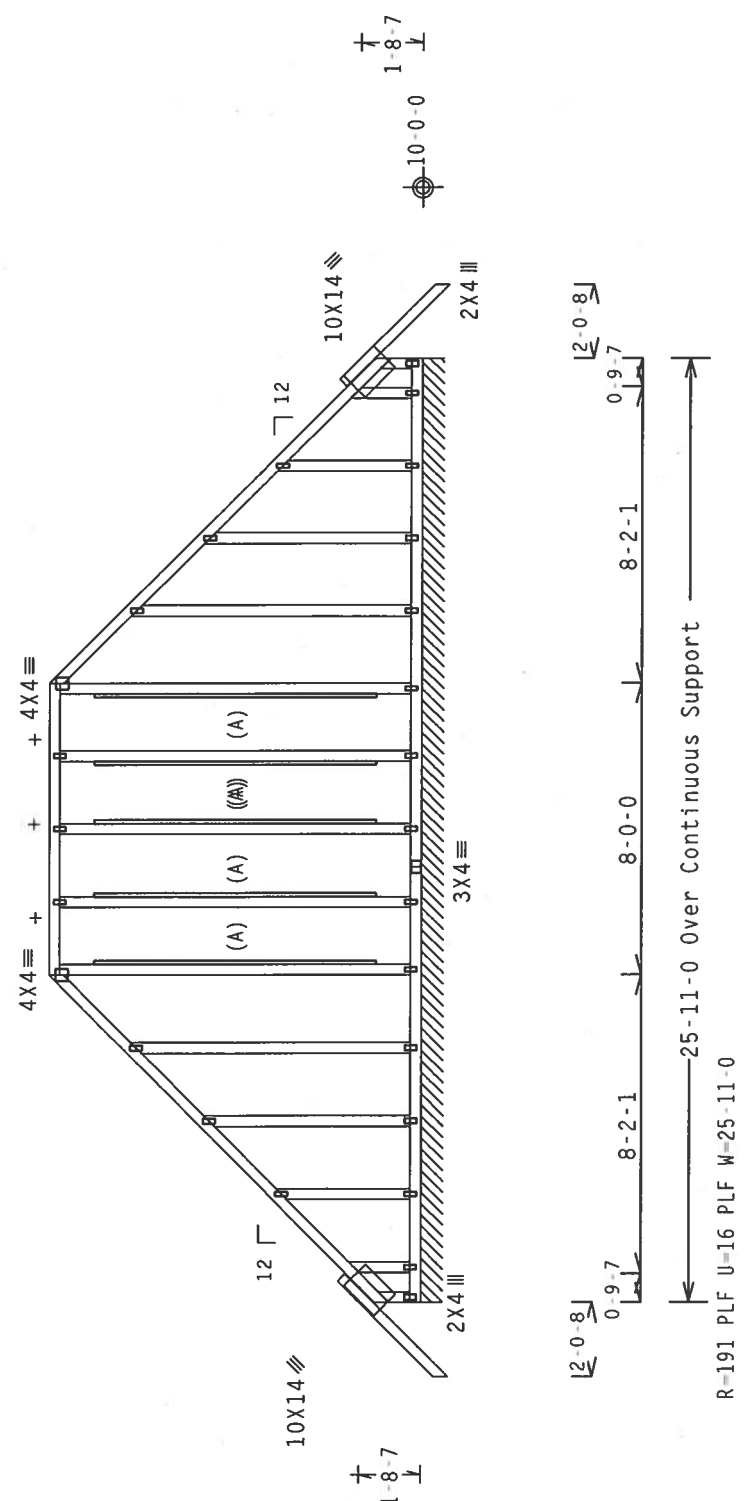
See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

Fasten rated sheathing to one face of this frame.

+ MEMBER TO BE Laterally Braced For Horizontal Wind Loads.
Bracing System To Be Designed And Furnished By Others.

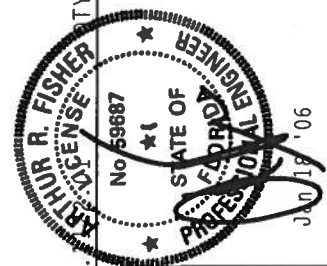


Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC
shown.
$$Cq/RT=1.00(1.25)/10(0) \quad 7.22..$$

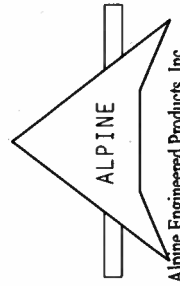
Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R487--	72961
TC DL	10.0	PSF	DATE	01/18/06	
BC DL	10.0	PSF	DRW	HCUSR487	06018027
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	76328	REV
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1STV487_Z01	



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCB1 - 1.03, BUILDING COMPONENT SAFETY AND NOTIFICATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 D'ONOFIO RD., SUITE 200, MADISON, WI 53719, AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE DESIGN COMES WITH APPLICABLE CALCULATIONS OF THIS NATIONAL DESIGN SPEC. BY AEP3 AND TP1. APPLICABLE CALCULATIONS ARE 20/16/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/10



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

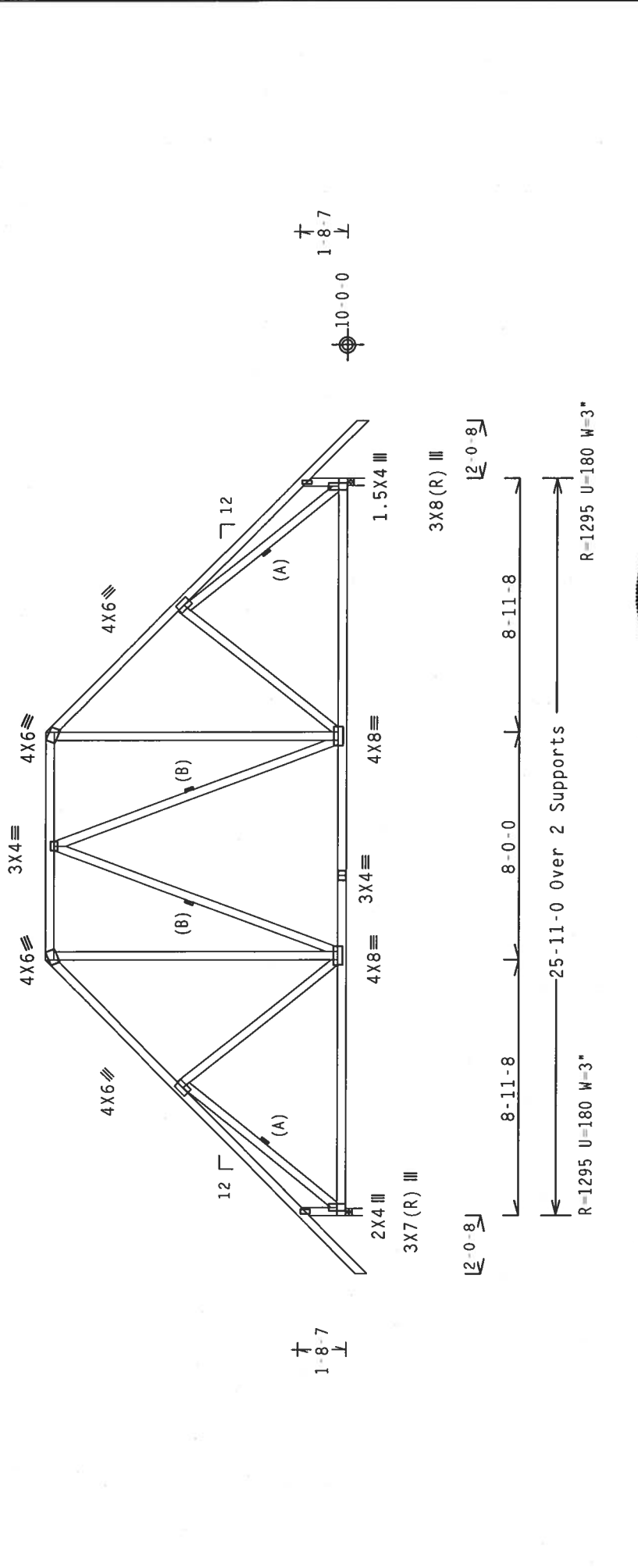
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.16 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(B) Continuous lateral bracing equally spaced on member. Or 2x6 SP #3 or better "I" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = .1875" / Ft.

REF R487 - 72962
DATE 01/18/06
DRW HCUSR487 06018028
HC-ENG JB/AF
SEQN- 25148
JREF- 1STY487_Z01

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

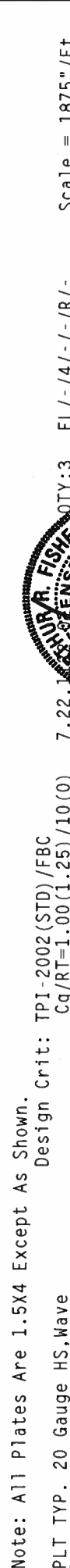
Professional Engineer
No. 59687
Jan 18 '06

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
1950 MARLEY DRIVE
HAINES CITY, FL 33844
FL CERTIFICATE OF AUTHORIZATION # 567

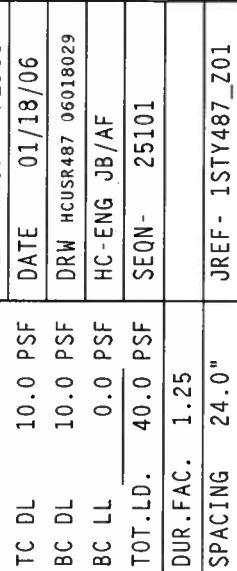
(A) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.) nails @ 6" OC.

(B) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



FL/-/4/-/-/R/-	Scale = .1875" / Ft.
TC LL 20.0 PSF	REF R487 - - 72963
TC DL 10.0 PSF	DATE 01/18/06
BC DL 10.0 PSF	DRW HCUR487 06018029
BC LL 0.0 PSF	HC-ENG JB/AF
TOT.LD. 40.0 PSF	SEQN- 25101
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1STY487_Z01



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

(J) hanger connection not found in inventory file for this condition. Provide connection.

(B) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

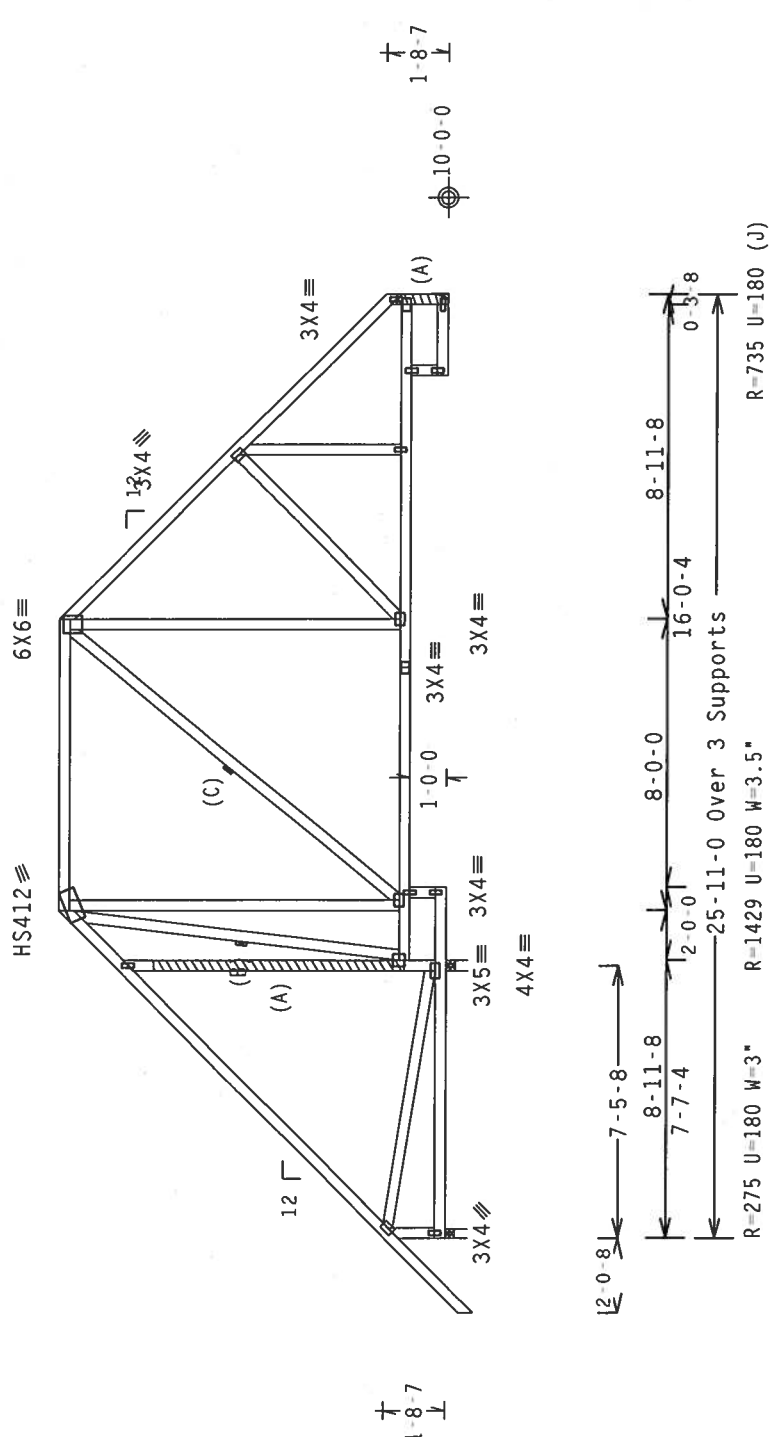
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS. LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 15.16 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

(C) Continuous lateral bracing equally spaced on member. Or 2x6 SP #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

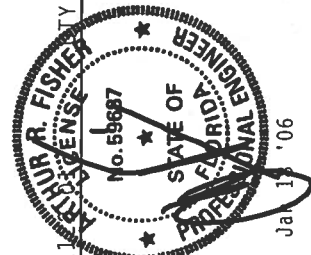
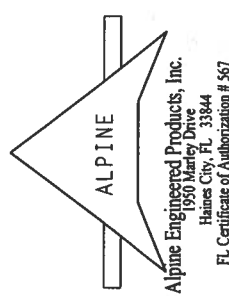


Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11

PLT TYP. 20 Gauge HS, Wave	FL/-/4/-/1-/R/-	Scale = .1875" / Ft.
TC LL	20.0 PSF	REF R487-- 72964
TC DL	10.0 PSF	DATE 01/18/06
BC DL	10.0 PSF	DRW HCUSR487 06018038
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 25110
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1STY487_Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL TRUSS COUNCIL OF AMERICA, 5300 ENTERPRISE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 TRUSS SPEC. BY AFAPA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (W.1/2"x) ASTM A553 GRADE 40/60 (W. K/H.5) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA.2. DRIVING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

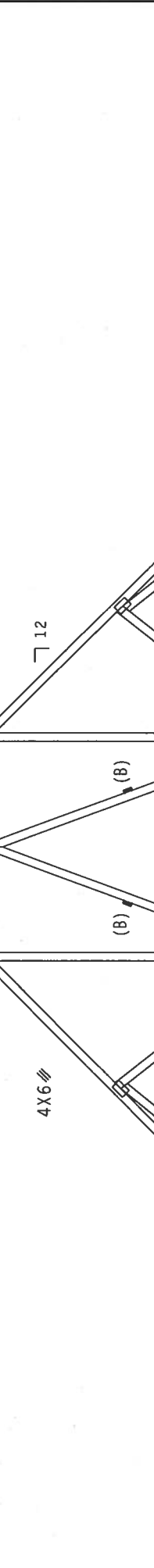
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(B) Continuous lateral bracing equally spaced on member. Or 2x6 SP #3 or better "I" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.16 ft mean hgt., ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

R=1138 U=180 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Order is (1)2x6 min. So.Pine

PLT TYP. Wave

Scale = .1875" / Ft.

REF R487-- 72965
DATE 01/18/06
DRW HCUSR487 06018030
HC-ENG JB/AF
SEQN- 25142
DUR.FAC. 1.25
SPACING 24.0"

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

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS COMPANY, 1000 ENTERPRISE DR., SUITE 200, MADISON, WI 53719, AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (W./S./K) ASTM A553 GRADE 40/60 (N. K/M.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2. (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PHILIP R. FISHER
No. 59687
STATE OF
FLORIDA
Professional Engineer
Jan 18 '06

PLT TYP. Wave

PLT TYP. Wave

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

110 mph wind, 15.16 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

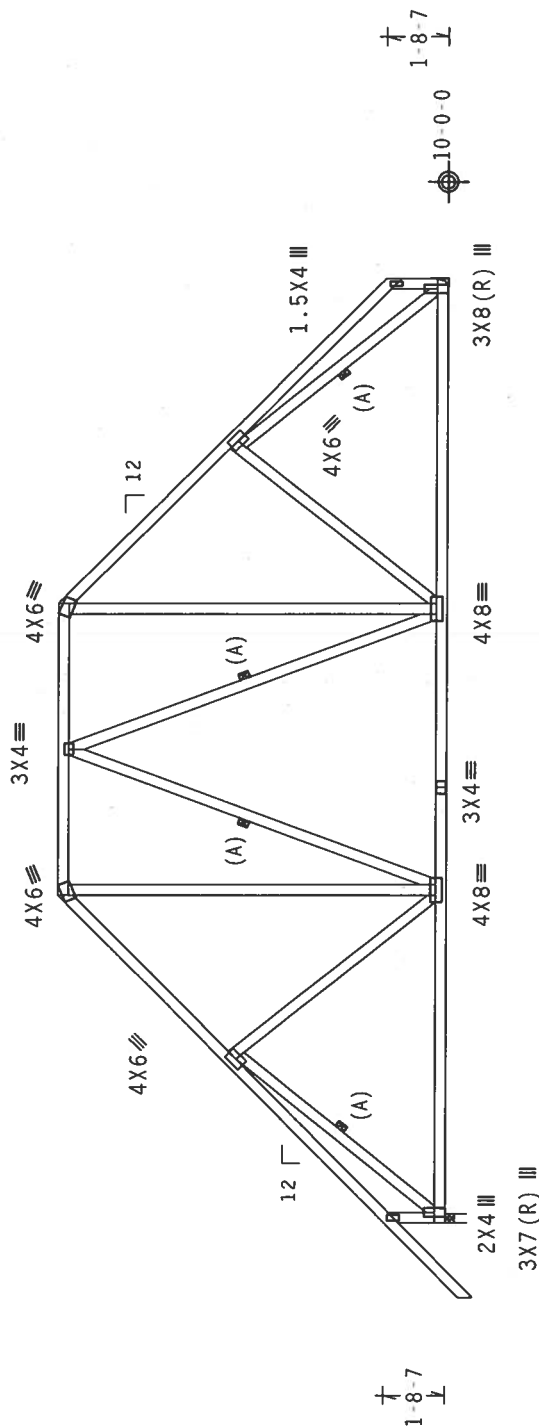
(A) Continuous lateral bracing equally spaced on member. Or 2x6 SP #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Trusses to be spaced at 52.8" OC maximum.

Deflection meets L/360 Live and L/240 total load. Creep increase factor for dead load is 1.50.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 48" OC.



12-0-81

8-11-8	+	8-0-0	+	8-11-8
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25-11-0 Over 2 Supports

R=2859 I=205 W=3"

R-2501 U=180 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.22.11$

Scale = .1875" / Ft.

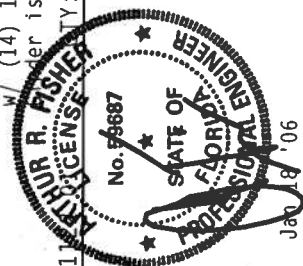
WARNING: THUSSES REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCS1-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 983 O'DONOFIO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE, E. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID GULLING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR ERECTING TRUSSES OR JOISTS. ALL TRUSSES AND JOISTS SHALL BE DESIGNED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. FOR WOOD TRUSSES AND JOISTS, 2017/1804 (N/A) AND ASTM A663 GRADE 40960 (N/A). PLATES TO EACH FACE OF TRUSS CHORDS SHALL BE MINIMUM 1/4" THICK. UPON INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A2 OF TAP-003000 DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY DESIGNER'S RESPONSIBILITY. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE BUILDING DESIGNER PER ANNEX A1 SEC. 2.



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

FL Certificate of Authorization # 567



Jan 18 '06

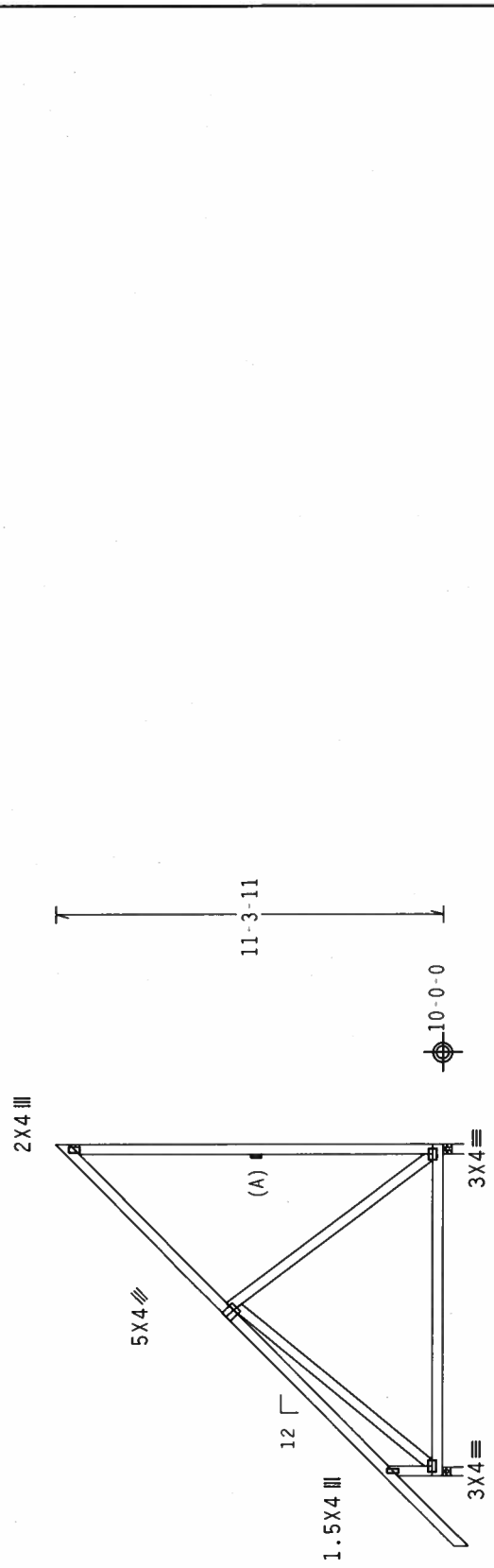
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TC DL	10.0	PSF	DATE	01/18/06	
BC DL	10.0	PSF	DRW	HCUSR487	06018031
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	25135	
DUR.FAC.	1.25				
SPACING	52.8"		JREF-	1STY487_Z01	

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

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.48 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



9-7-4 Over 2 Supports

R=591 U=180 W=3" R=408 U=180 W=3.5"

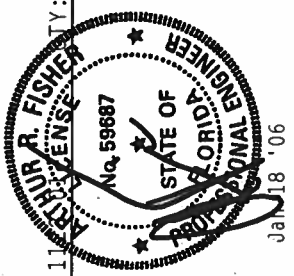
12-0-8

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.22.11

Scale = .1875"/Ft.

PLT TYP. Wave	TY:2	FL/-/4/-/R/-	REF R487-- 72967
	TC LL	20.0 PSF	DATE 01/18/06
	TC DL	10.0 PSF	DRW HCUSR487 06018039
	BC DL	10.0 PSF	HC-ENG JB/AF
	BC LL	0.0 PSF	SEQN- 25082
	TOT.LD.	40.0 PSF	DUR.FAC. 1.25
	SPACING	24.0"	JREF- 1STY487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION) FOR TRUSS DESIGN, FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. D'ONOFRIO DR., SUITE 200, MADISON, MI 48061 AND NCEA (WOOD TRUSS COUNCIL OF AMERICA) 6300 ENTERPRISE BLVD., MADISON, MI 48061 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/38/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (M. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SUFFICIENCY AND PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUFFICIENCY 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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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	:W1 2x8 SP SS:

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Right end vertical not exposed to wind pressure.

Fasten rated sheathing to one face of this frame.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

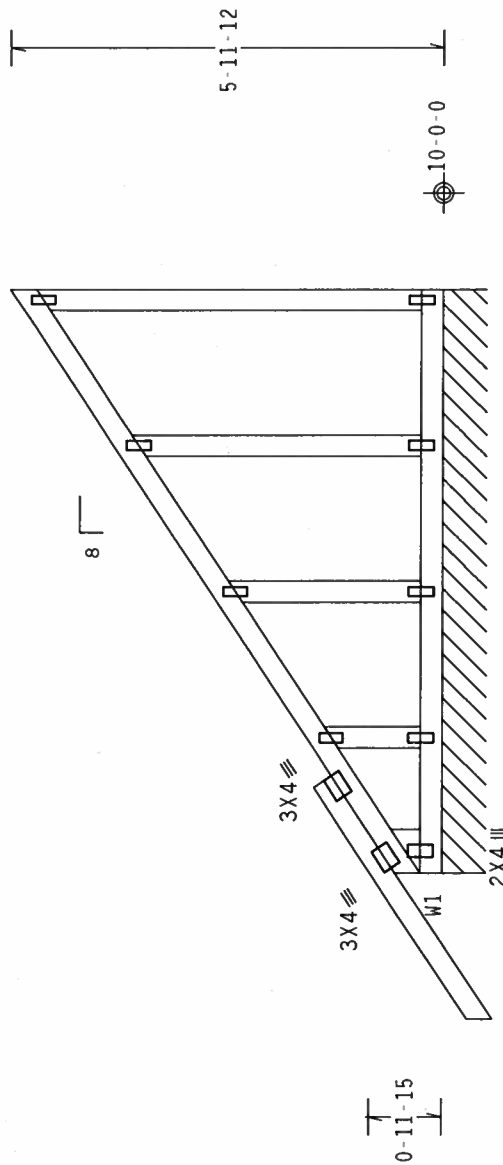


Diagram of a continuous beam with three spans. The first span is 2-0-0, the second is 1-3-15, and the third is 6-8-1. The beam is supported by three points, with the middle support labeled "Over Continuous Support". The beam is labeled "R=101 PLF U=23 PLF W=8-0-0".

Note: All Plates Are 1.5X4 Except As Shown.

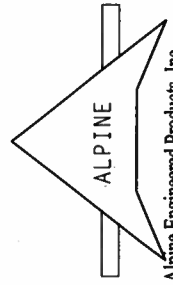
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Scale = 375"/Ft.

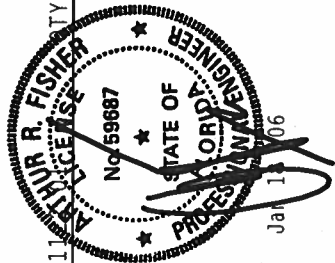
WARNING: TRUSSES REQUIRE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY INFORMATION. CONTACT THE TRUSS MANUFACTURER FOR BEST PRACTICES. TRUSS MANUFACTURERS: BAY TRUSS COMPANY, 10000 W. 10TH AVE., SUITE 200, MADISON, WI 53719; AND WCA TRUSS COMPANY, 6000 ENTERPRISE DR., MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED 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 TO TRUSSES CONSTRUCTION, OR APPLICABLE PROVISIONS OF AISI (NATIONAL DESIGN SPECIFICATION FOR STEEL BUILDING CONSTRUCTION), AND AISC (STEEL ECTION 18) AND AISC DESIGN 360 (N. 6/1/03) GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED, 1/4" THICK PLATES PER UNITS 1600-20. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK 4.3 OF TPI1-2002. SOLELY FOR THE DESIGNER'S DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE ANSYS/TPI1 AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSYS/TPI1 1 SEC. 2.



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Haines City, FL 33844

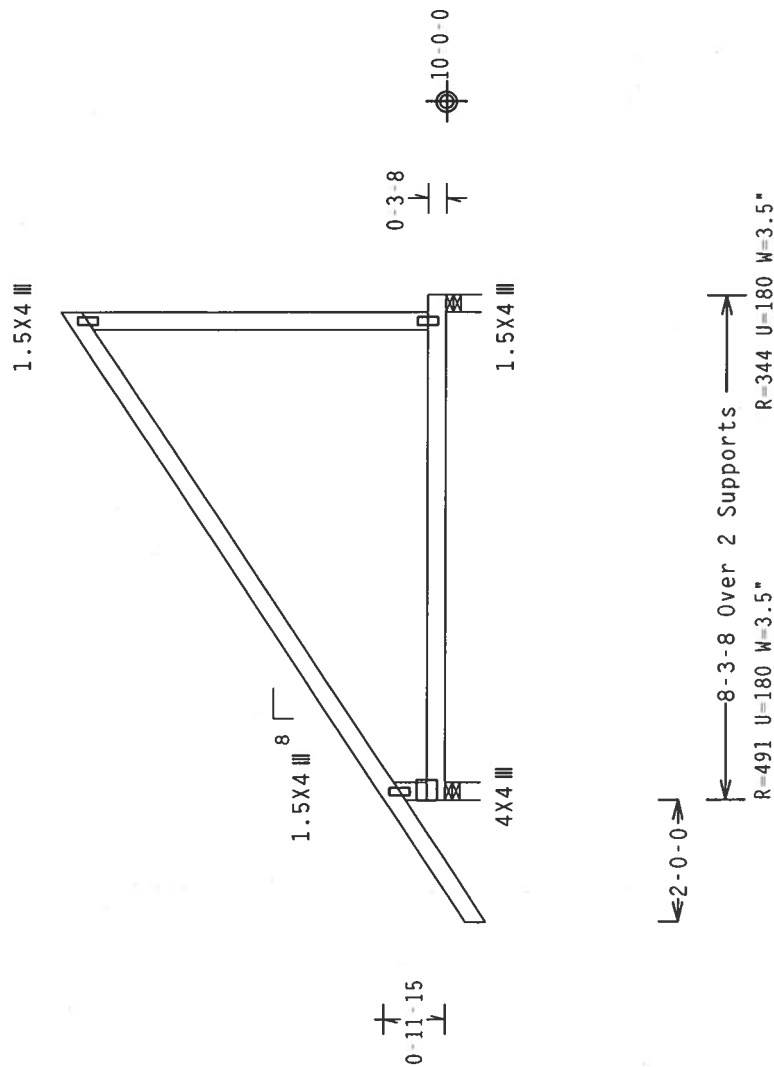


TC LL	20.0 PSF	REF R487-- 72968
TC DL	10.0 PSF	DATE 01/18/06
BC DL	10.0 PSF	DRW HCUSR487 06018032
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 24801 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1STY487 Z01

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 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

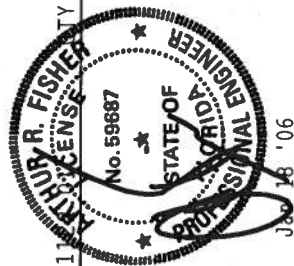
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



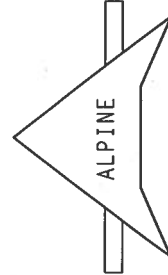
Design Crit: TPI-2002(STD)/FBC

Scale = .3125" / Ft.

TC LL	20.0	PSF	REF	R487--	72969
TC DL	10.0	PSF	DATE	01/18/06	
BC DL	10.0	PSF	DRW	HCUSR487	06018033
BC LL	0.0	PSF	HC-ENG JB/AF		
TOT.LD.	40.0	PSF	SEQN-	24794	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1STY487_Z01	

[illegible]

*****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-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 2018/T6 ALUMINUM DESIGN SPEC. BY AFAPA) AND TPI-1. ALPINE ENGINEERED PRODUCTS, INC. HAS NO LIABILITY FOR ANY DAMAGE TO THE TRUSS OR TO THE STEEL FRAMING DUE TO THE FACT THAT THE TRUSS WAS DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE TPI-1 DRAWING. ANY INSPECTION OF PLATES FOLLOWED BY (1.) SHALL BE PER AMEX 4 OF TPI-1 2002 SEC. 3. THE TRUSS COMPONENTS SHALL BE ASSEMBLED IN ACCORDANCE WITH THE TPI-1 DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



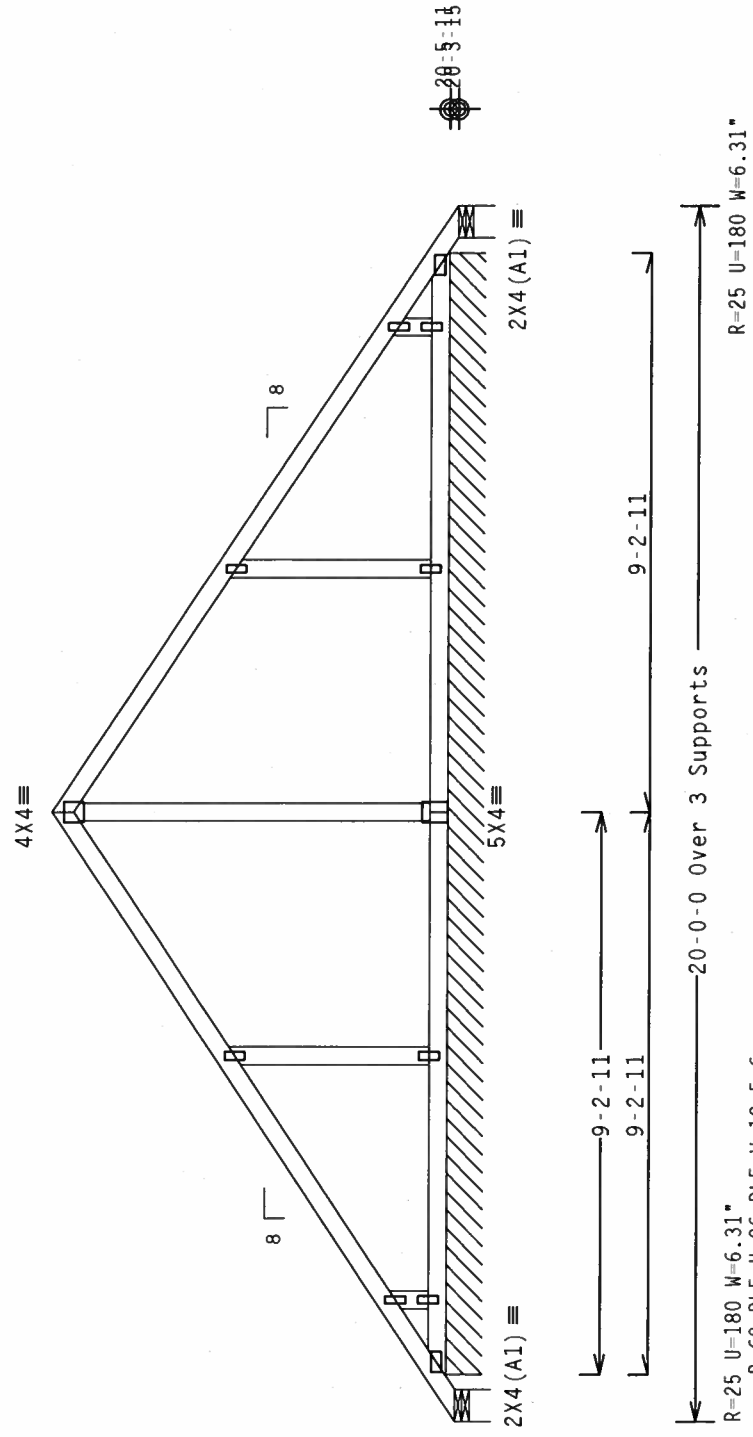
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACK1103 or PIGBACKB0204 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 23.66 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11

Note: All Plates Are 1.5X4 Except As Shown.

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R487--	72971
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	2.0 PSF	DRW	HCUSR487	06018035
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	32.0 PSF	SEQN-	24782	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STV487_Z01	

ALPINE

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FL Certificate of Authorization # 567

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE, INC., 1000 ENTERPRISE LN., MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA) 6300 ENTERPRISE LN., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED 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 20/18/16GA (M-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 DESIGN SIGNIFIES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PROFESSIONAL ENGINEER
R. FISHER
No. 59887
STATE OF FLORIDA
JAN 18 '06

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

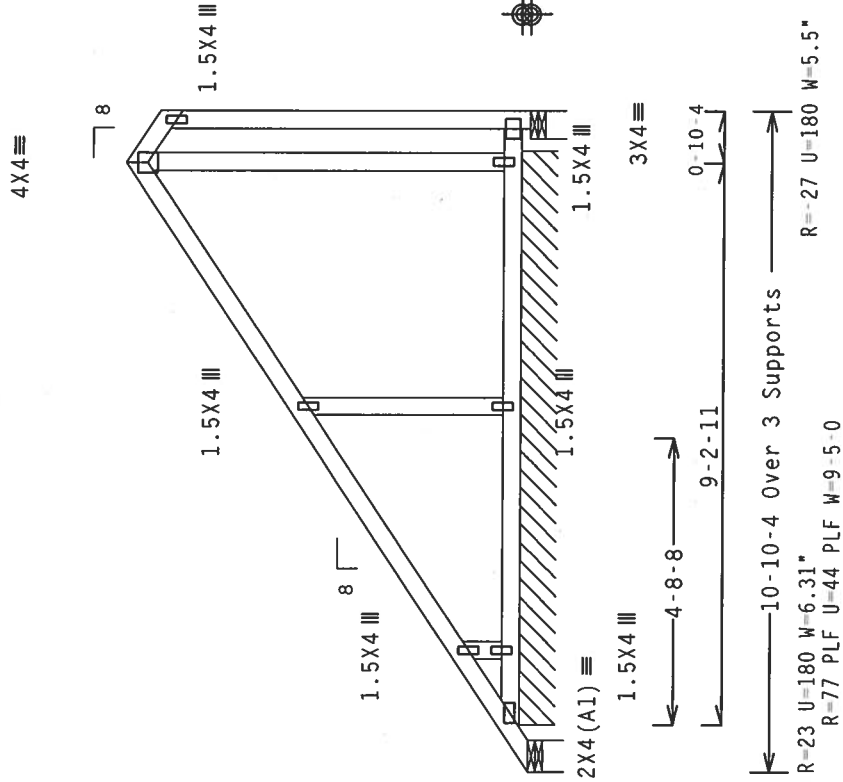
110 mph wind, 23.66 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind
BC DL-1.2 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor
for dead load is 1.50.

Refer to DWG PIGBACK1103 or PIGBACK80204 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

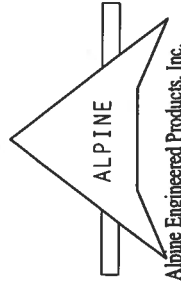
Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.22

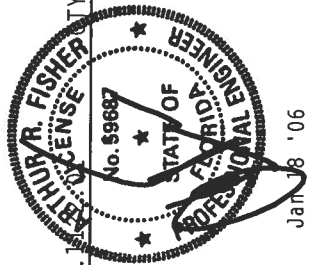
Scale = .3125" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 10000 DR. D., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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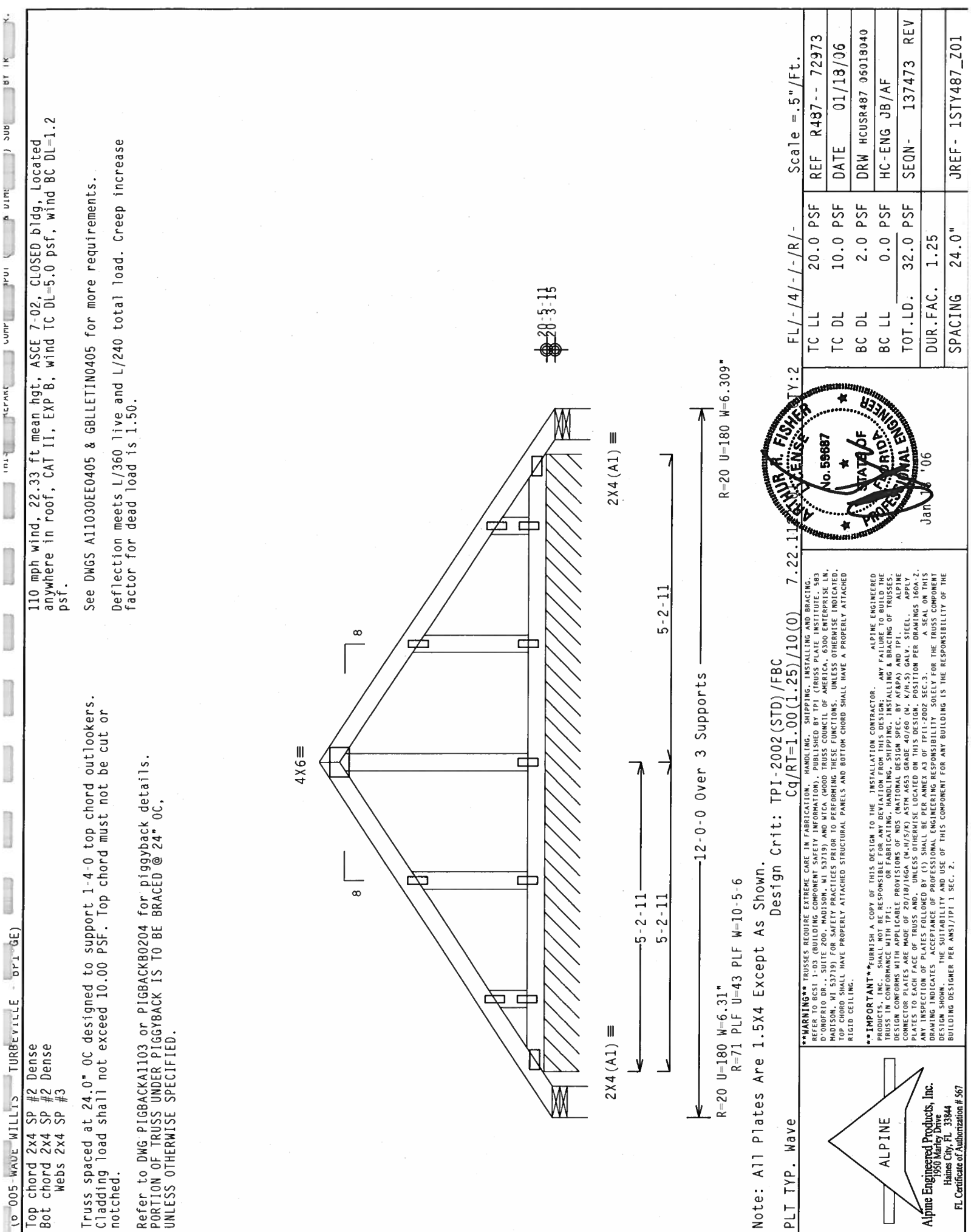


FL Certificate of Authorization # 567



TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	2.0 PSF
BC LL	0.0 PSF
TOT.LD.	32.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487--	72972
DATE	01/18/06	
DRW	HCUSR487	06018036
HC-ENG	JB/AF	
SEQN-	24767	
JREF-	1STY487_Z01	



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

Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers.
Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Refer to DWG PIGBACK1103 or PIGBACKB0204 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 22.33 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

See DWGS A11030EE0405 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 22.33 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

See DWGS A11030EE0405 & GBLLETIN0405 for more requirements.

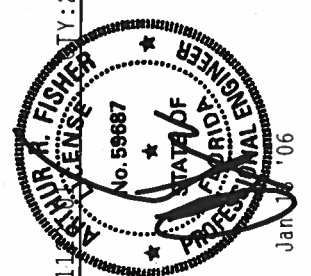
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 22.33 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

See DWGS A11030EE0405 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

PLT TYP. Wave		TY:2	FL/-/4/-/R/-	Scale = .5"/Ft.
REF R487-- 72973		TC LL	20.0 PSF	
DATE 01/18/06		TC DL	10.0 PSF	
DRW HCUSR487 06018040		BC DL	2.0 PSF	
HC-ENG JB/AF		BC LL	0.0 PSF	
SEQN- 137473 REV		TOT.LD.	32.0 PSF	
DUR.FAC. 1.25				
SPACING 24.0"				
JREF- 1STY487_Z01				



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES ON EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAMING INDICATES 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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FL Certificate of Authorization # 567

Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11

R=20 U=180 W=6.31"
R=71 PLF U=43 PLF W=10-5-6
12-0-0 Over 3 Supports
R=20 U=180 W=6.309"

2X4 (A1) =
2X4 (A1) =

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA1103 or PIGBACKB0204 for piggyback details.

PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.



Design Crit: TPI-2002(STD)/FBC

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

Scale = .5"/Ft.

[illegible]

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

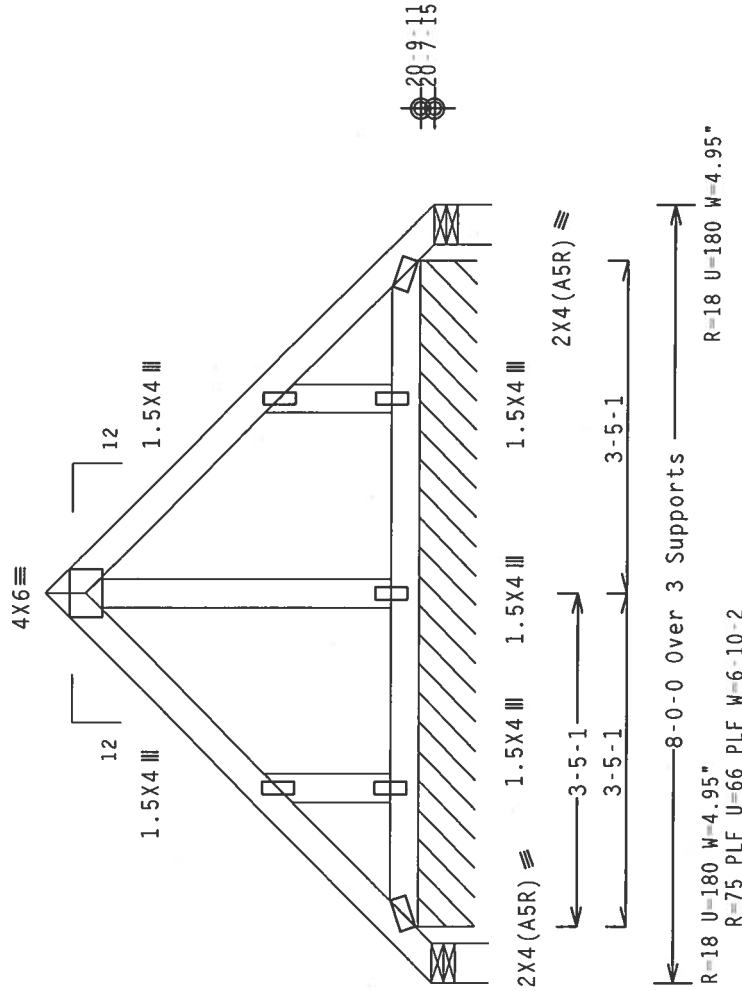
Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers.
Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Refer to DWG PIGBACKA1103 or PIGBACKB0204 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.

110 mph wind, 22.66 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-1.2
psf.

See DWGS A11030EE0405 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



Design Crit: TPI-2002 (STD) / FBC

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

7.22.1

FL/-4/-/-R/-

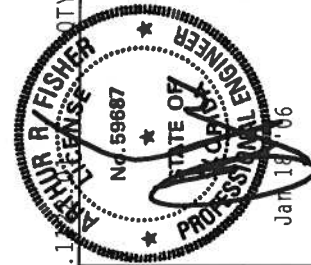
Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED 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 ENGINEERED PRODUCTS, INC. HAS MADE OF 2018/18GA (M/1/5/7) ASTM A553 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY OVER THE ENTIRE TRUSS SURFACE. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY VISUAL INSPECTION OF THE TRUSS COMPONENTS. A SEAL OR THIS DESIGN SHOWS ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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1950 Marley Drive
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FL Certificate of Authorization # 567



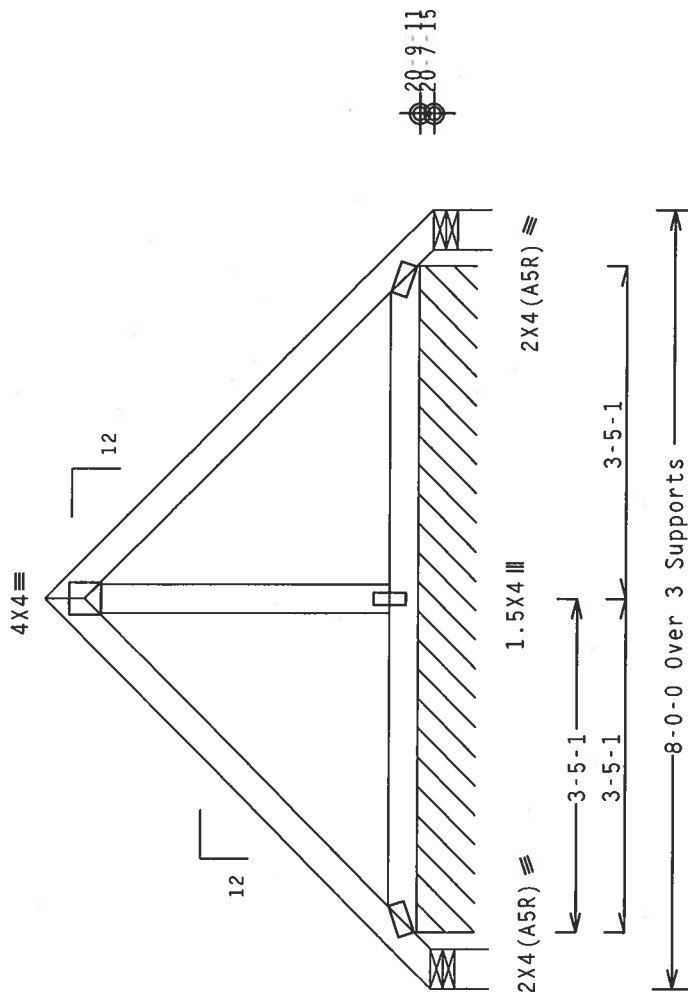
TC LL	20.0 PSF	REF	R487 -- 72975
TC DL	10.0 PSF	DATE	01/18/06
BC DL	2.0 PSF	DRW	HCUSR487 06018042
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	32.0 PSF	SEQN-	137487 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1STV487_Z01

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

110 mph wind, 22.66 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA1103 or PIGBACKB0204 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.



R=-.55 U=180 W=4.95"

R-96 PLF U=43 PLF W=6-10-2

Design Crit: TPI-2002(STD)/FBC

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

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

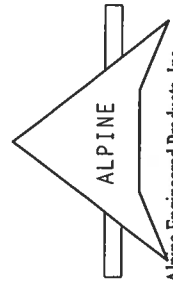
Scale = 5"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TIMBER PLATE INSTITUTE, 983 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED LEDGERS/CEILING.

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

PRODUCTS. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE PRESS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES AND WELDS. PROVIDES OF ADS (NATIONAL DESIGN SPEC., BY AFSPA) AND TPI. ALPINE ENGINEERED

CONNECTIONS MADE TO 18" MAXIMUM SPACING (W/ 6"x7-1/2" GALV. STEEL APPLY TO ALL TRUSS PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THE DRAWINGS PER PAGES 160A - 200A. ANY INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER ANNEX A OF TPI-2002 SEC.3. SECTIONS OF TRUSS COMPONENT DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

Haines City, FL 33844
FL Certificate of Authorization # 567

Jan 18, '06

SPACING 24.0"

JREF- 1STY487 701

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

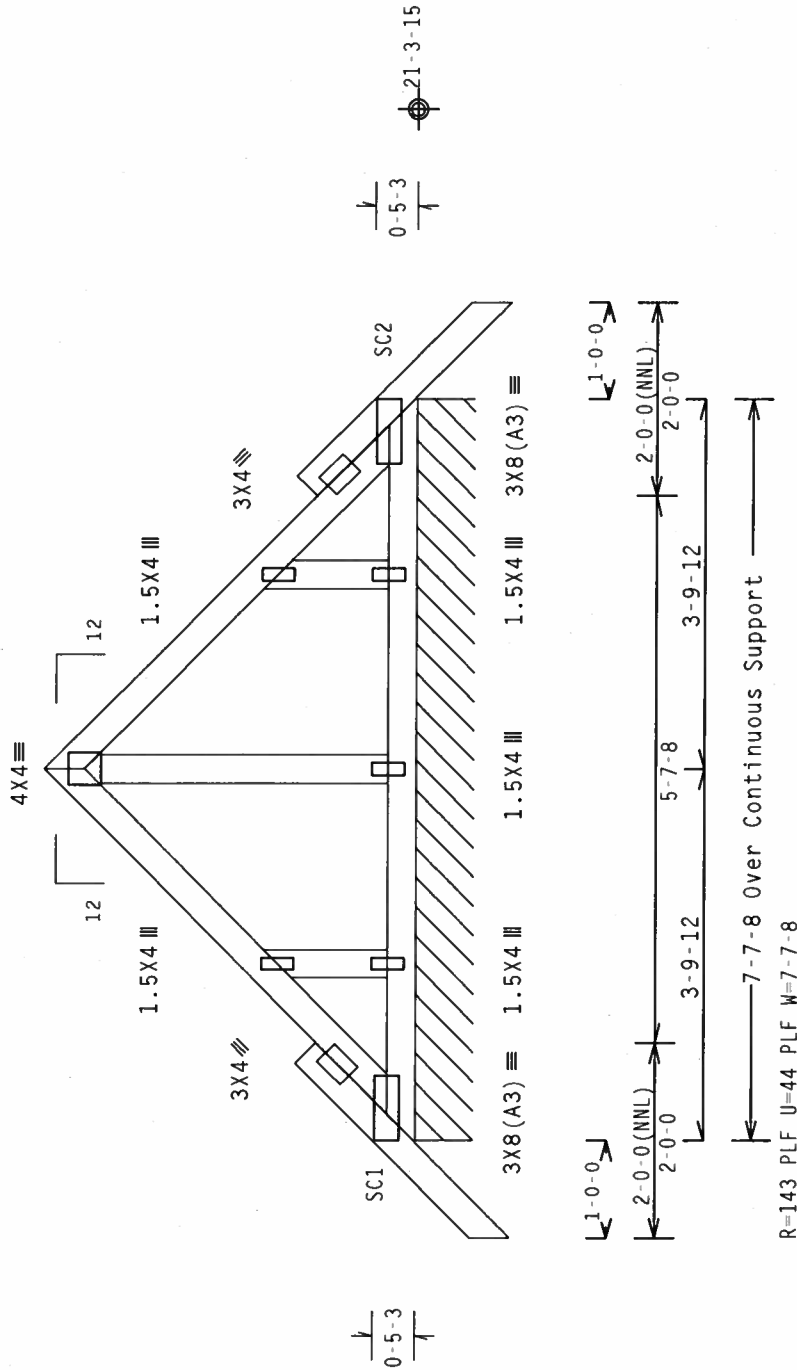
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

110 mph wind, 23.40 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11030EE0405 & GBLLETIN0405 for more requirements.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R=143 PLF U=44 PLF W=7-7-8

Design Crit: TPI-2002(STD)/FBC

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

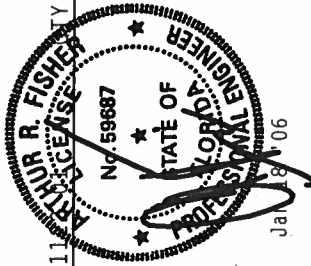
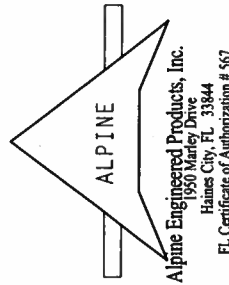
7.22.11

Scale = 5" / Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6000 MONROE DR., SUITE 200, MADISON, WI 53719) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (H. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES SHALL BE PER ANSII A3 OF 1911-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING. THE SEAL IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSII/TPI 1 SEC. 2.

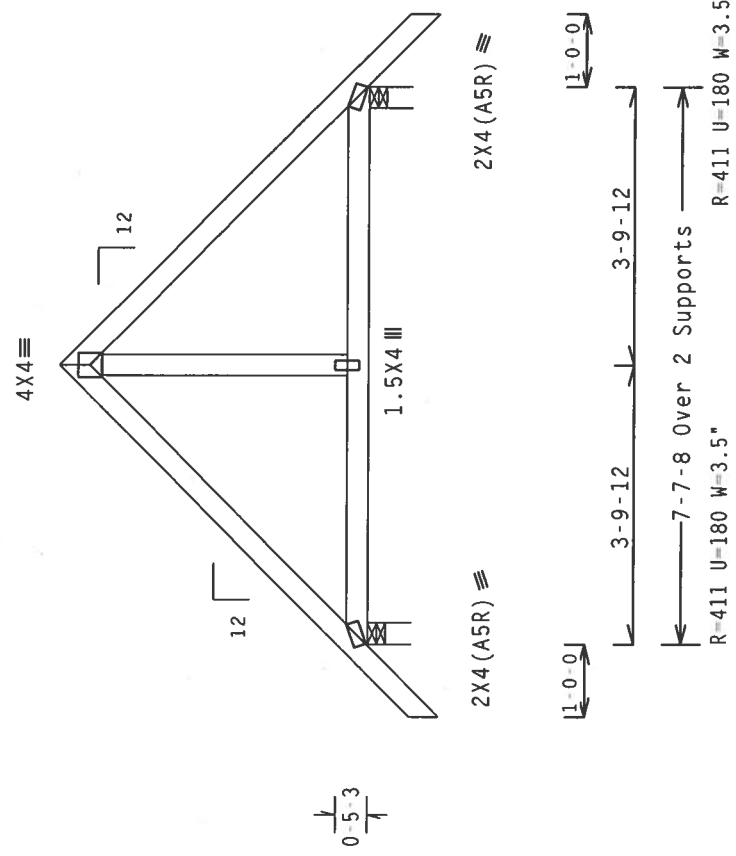


TC LL	20.0 PSF	REF	R487-- 72977
TC DL	10.0 PSF	DATE	01/18/06
BC DL	10.0 PSF	DRW	HCUSR487 06018001
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	24813
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1STV487_Z01

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. Creep increase factor for dead load is 1.50.

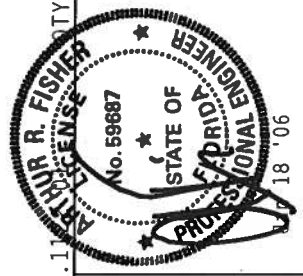
110 mph wind, 23.17 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11

TC LL	20.0 PSF	FL/-4/-/-R/-	Scale = .375"/Ft.
TC DL	10.0 PSF	REF R487 -- 72978	
BC DL	10.0 PSF	DATE 01/18/06	
BC LL	0.0 PSF	DRW HCUSR487 06018002	
TOT.LD.	40.0 PSF	HC-ENG JB/AF	*
DUR.FAC.	1.25	SEQN- 76715	
SPACING	24.0"	JREF- 1STY487_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1.00 (2002) FOR TRUSS MANUFACTURING PRACTICES. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 563 D'ONOFRIO DR., SUITE 200, MADISON, MI 48061. ANY FAILURE TO FOLLOW THESE PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

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

(6-005-WAVE WILLIS - TURBEVILLE - R4)

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

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Provide for complete drainage of roof.

110 mph wind, 24.33 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Truss must be installed as shown with top chord up.

3X4 (R) III

1.5X4 III

3X4 III

1.5X4 III

3-0-0

3-0-0

21-3-15

3-0-0

7-1-8 Over 2 Supports

1.5X4 III

R=285 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=285 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = .5"/Ft.

ALPINE

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

FL Certificate of Authorization # 567

ATTORNEY R. FISHER
No. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Jan 18 '06

TC LL	20.0 PSF	REF	R487--	72980
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	10.0 PSF	DRW	HCUSR487	06018003
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN	24830	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1STY487_Z01	

10-005-WAUE WILLIS - TURBEVILLE - KS)

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

110 mph wind, 25.66 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Truss must be installed as shown with top chord up.

End verticals not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.
Provide for complete drainage of roof.

1.5X4 III

4-4-0

3X4 (R) III

4-4-0

21-3-15

1.5X4 III

3X4 III

7-1-8 Over 2 Supports

R=285 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=285 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = .5"/Ft.

REF R487-- 72981
DATE 01/18/06
DRW HCUSR487 06018004
HC-ENG JB/AF
SEON- 24843
DUR.FAC. 1.25
SPACING 24.0"

JAN 18 '06

ALPINE

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

10-005-WAUE WILLIS - TURBEVILLE - KS)

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

110 mph wind, 25.66 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Truss must be installed as shown with top chord up.

End verticals not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.
Provide for complete drainage of roof.

1.5X4 III

4-4-0

3X4 (R) III

4-4-0

21-3-15

1.5X4 III

3X4 III

7-1-8 Over 2 Supports

R=285 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=285 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = .5"/Ft.

REF R487-- 72981
DATE 01/18/06
DRW HCUSR487 06018004
HC-ENG JB/AF
SEON- 24843
DUR.FAC. 1.25
SPACING 24.0"

JAN 18 '06

ALPINE

Alpine Engineered Products, Inc.
1950 Mailey Drive
Haines City, FL 33844
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10-005-WAUE WILLIS - TURBEVILLE - KS)

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

110 mph wind, 25.66 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Truss must be installed as shown with top chord up.

End verticals not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.
Provide for complete drainage of roof.

1.5X4 III

4-4-0

3X4 (R) III

4-4-0

21-3-15

1.5X4 III

3X4 III

7-1-8 Over 2 Supports

R=285 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=285 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = .5"/Ft.

REF R487-- 72981
DATE 01/18/06
DRW HCUSR487 06018004
HC-ENG JB/AF
SEON- 24843
DUR.FAC. 1.25
SPACING 24.0"

JAN 18 '06

ALPINE

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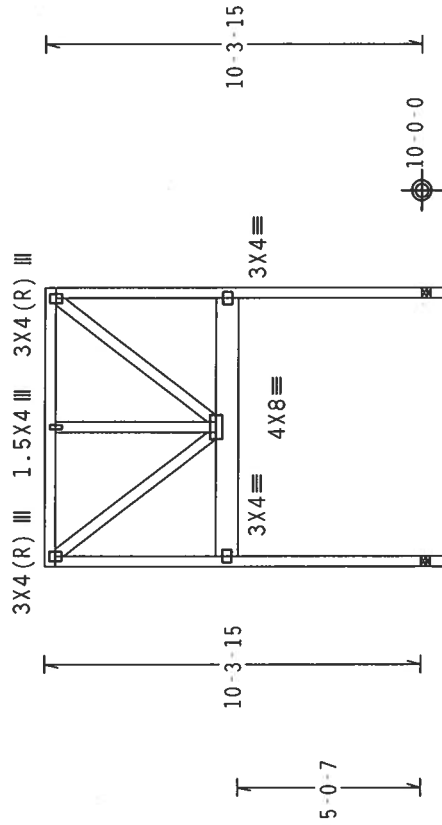
Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #2
Webs 2x4 SP #3

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

SPECIAL LOADS

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)	
TC -	From 60 PLF at 0.00 to 60 PLF at 7.63	
BC -	From 20 PLF at 0.00 to 20 PLF at 7.63	
BC -	1761 LB Conc. Load at 0.13,	7.50
BC -	892 LB Conc. Load at 1.81,	3.81, 5.81

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

R-3404 11-643 W-3 5^H

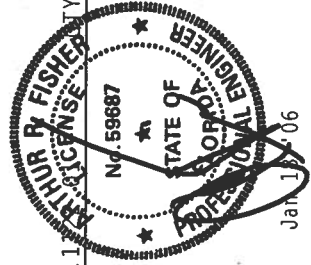
R=3404 II=665 W=3 5"

PLT TYP. Wave

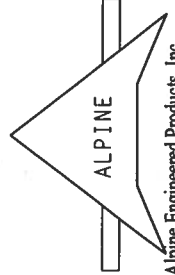
Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R487 - -	72982
TC DL	10.0	PSF	DATE	01/18/06	
BC DL	10.0	PSF	DRW	HCUSR487	06018044
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	76730	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1STY487 Z01	

[illegible]

***IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS INC. IS NOT RESPONSIBLE FOR ANY DETAILING OR DESIGN DEVIATIONS FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OR ANY OMISSIONS OR INADEQUACIES IN THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

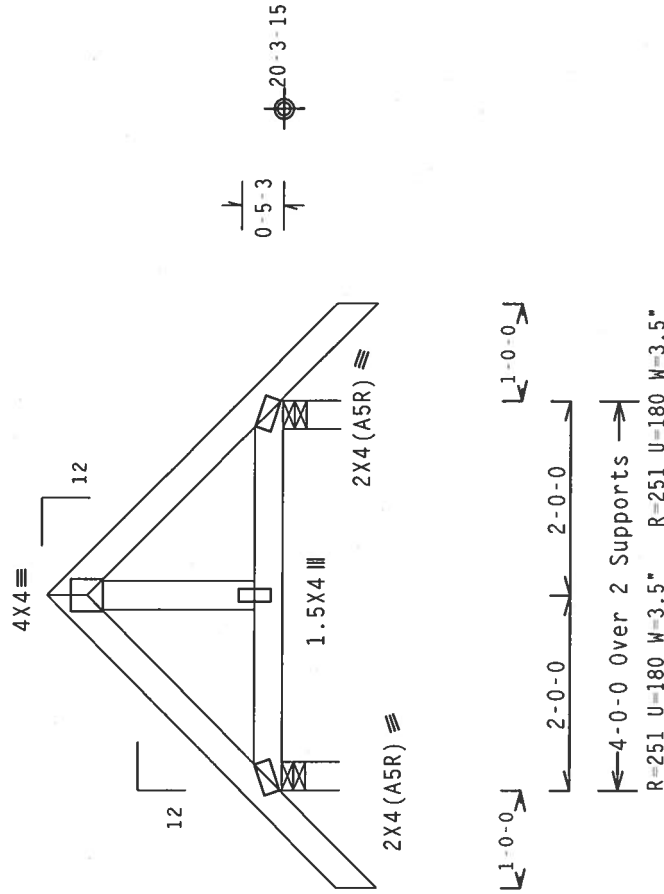


Alpine Engineered Products, Inc.
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Fl. Certificate of Authorization # 567

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. Creep increase factor for dead load is 1.50.

110 mph wind, 21.26 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

7.22.1

TY:10 FL/-4/-R/-

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R487--	72983
TC DL	10.0 PSF	DATE	01/18/06	
BC DL	10.0 PSF	DRW	HCUSR487	06018005
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	24788	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STY487_Z01	

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 693 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

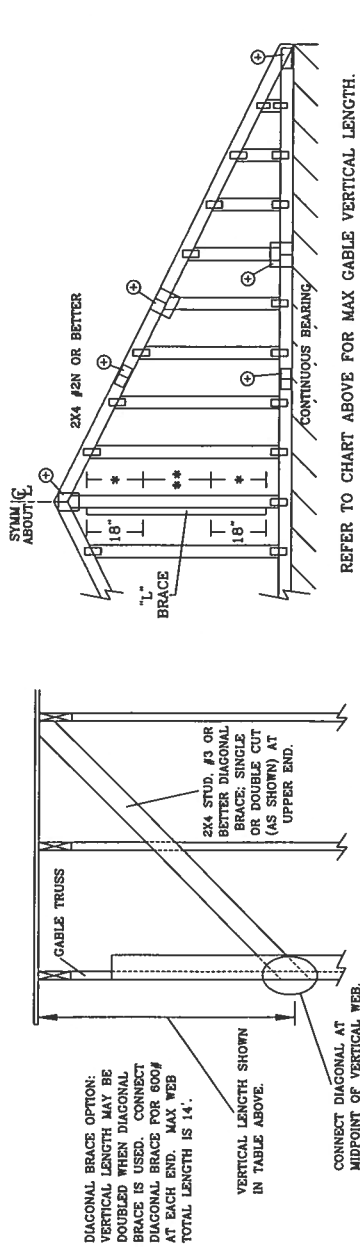
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Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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2x4 CABLE VERTICAL SPACING SPECIES		BRACE GRADE		NO BRACES		(1) 1x4 "L" BRACE *		(2) 2x4 "L" BRACE *		(1) 2x6 "L" BRACE **		(2) 2x6 "L" BRACE *		(1) 2x8 "L" BRACE **		(2) 2x8 "L" BRACE *		(1) 2x10 "L" BRACE **		(2) 2x10 "L" BRACE *	
						GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.		SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 5"	9' 8"	12' 5"	12' 5"	12' 5"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	3' 9"	6' 0"	6' 0"	7' 11"	8' 1"	9' 5"	9' 5"	9' 8"	12' 5"	12' 5"	12' 5"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		HF	STUD	3' 9"	6' 0"	6' 0"	7' 11"	8' 1"	9' 5"	9' 5"	9' 8"	12' 5"	12' 5"	12' 5"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	3' 8"	5' 2"	5' 2"	6' 9"	6' 9"	8' 1"	8' 1"	9' 1"	10' 7"	10' 7"	10' 7"	10' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
24" O.C.		SP	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	9' 5"	10' 2"	12' 5"	12' 5"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	9' 5"	10' 2"	12' 5"	12' 5"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		DFL	STUD	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 5"	10' 2"	12' 5"	12' 5"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 5"	10' 2"	12' 5"	12' 5"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
16" O.C.		SPF	#1 / #2	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	8' 4"	8' 4"	9' 4"	10' 10"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		HF	STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.		SP	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		DFL	STUD	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	10' 10"	11' 1"	13' 3"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.		SPF	#1 / #2	4' 11"	8' 5"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		HF	STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 9"	8' 5"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.		SP	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		DFL	STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"



REFER TO CHART ABOVE FOR MAX CABLE VERTICAL LENGTH.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMFANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSSES ARE DESIGNED FOR USE IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS OF THE ALPINE INSTITUTE, 580 DUNDAS RD., SUITE 200, MADISON, WI 53719, AND WITH THE TRUSS CHART OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. AND ITS DESIGNER ASSUME NO RESPONSIBILITY FOR THE DESIGN, CONSTRUCTION, OR BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI ALPINE CONNECTOR PLATES ARE MADE UP 2018/16GA C/A/H/20 ASTM A653 GRADE 50 GALVNEUTRAL SHEET PILING TO BE USED IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS LOCATED ON THIS DESIGN POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TPI 1-2008 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SEALING ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

MAX. TOT. LD. 60 PSF

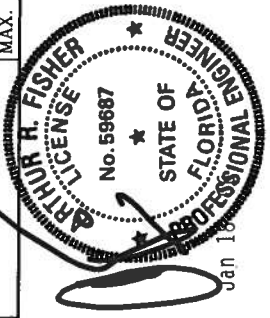
MAX. SPACING 24.0"

REF ACET7-02-GAB1015

DATE 04/15/05

DRWG A11015E0405

-ENG



Jan 18

BEARING BLOCK NAIL SPACING DETAIL

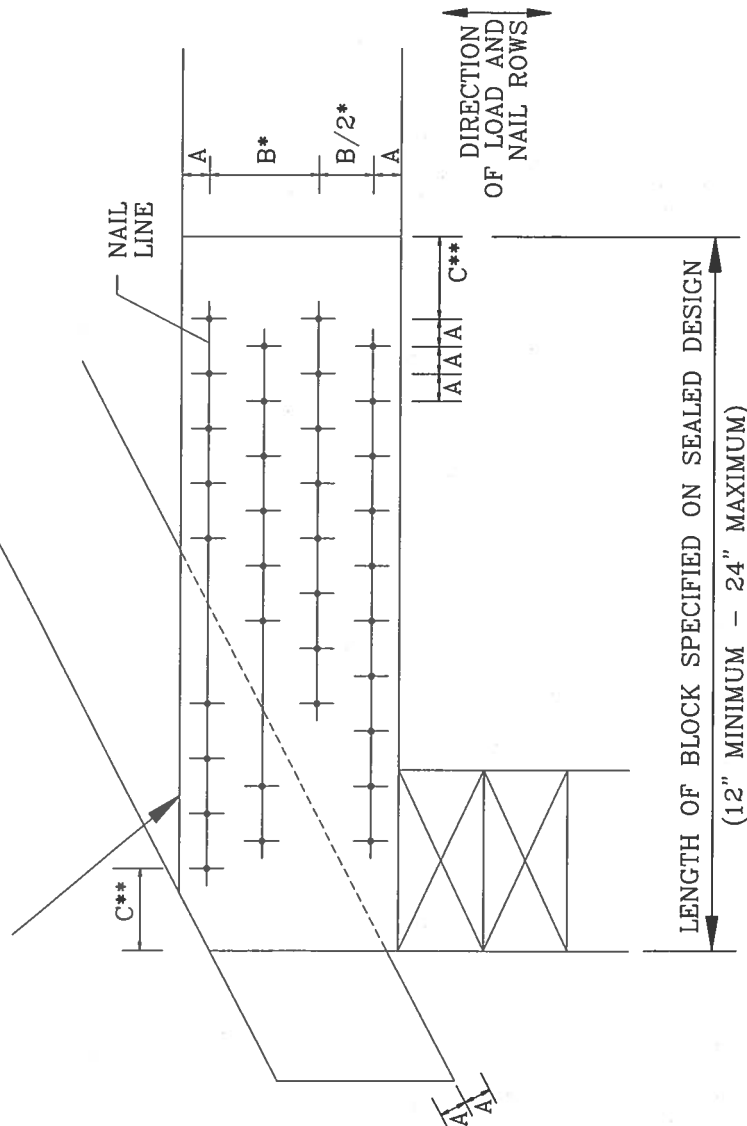
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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 (Fc-perp) IS AT LEAST THAT OF THE CHORD.

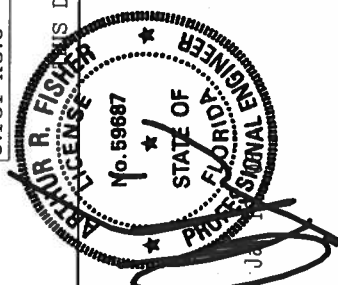


NAIL TYPE	CHORD SIZE					
	2X4	2X6	2X8	2X10	2X12	
8d BOX (0.113"x2.5")	3	6	9	12	15	
10d BOX (0.128"x3")	3	5	7	10	12	
12d BOX (0.128"x3.25")	3	5	7	10	12	
16d BOX (0.135"x3.5")	3	5	7	10	12	
20d BOX (0.148"x4")	2	4	5	6	8	
8d COMMON (0.131"x2.5")	3	5	7	10	12	
10d COMMON (0.148"x3")	2	4	6	8	10	
12d COMMON (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 CNBRGK0699



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRI DR., SUITE 200, MADISON, WI 53719) AND UTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THE CONNECTIONS. UNLESS OTHERWISE INDICATED, TPI CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

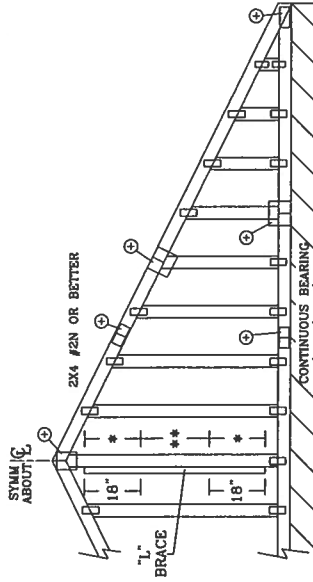
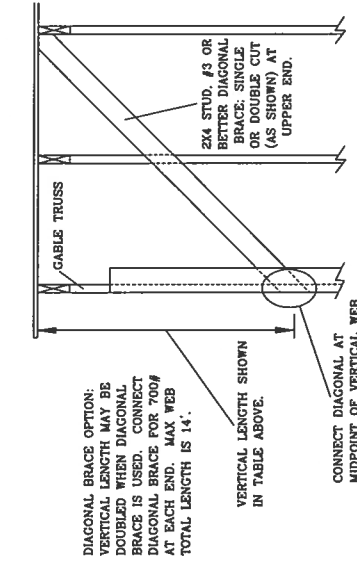
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (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-2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2008 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE PROFESSIONAL ENGINEER ASSUMES NO LIABILITY FOR THE BUILDING COMPONENT DESIGN. THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. E

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGK1103
-ENG	SJP/KAR

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



REFER TO CHART ABOVE FOR MAX CABLE VERTICAL LENGTH.

DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 700#
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL WEB.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 360 STEEL EDITION 2010. THE FOLLOWING INFORMATION IS FOR GENERAL INFORMATION ONLY. THESE FUNCTIONAL. 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 FOLLOW THE DESIGN, OR ANY FAILURE TO FOLLOW THE DESIGN. THE DESIGN IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM ALPINE ENGINEERED PRODUCTS, INC. THE DESIGN IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM ALPINE ENGINEERED PRODUCTS, INC. THE DESIGN IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM ALPINE ENGINEERED PRODUCTS, INC.

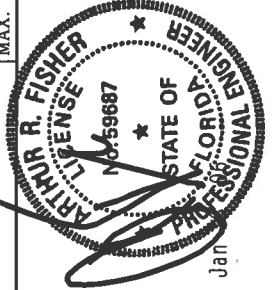


ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

REF	ASCE7-02-GAB1030
DATE	04/14/05
DRWG	A11030EE0405
-ENG	

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"



Jan

BRACING GROUP SPECIES AND GRADES:

GROUP A:	
SPRUCE-PINE-FIR	HEM-FIR
#1 / #2	STUD
STANDARD	STANDARD
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	STUD
STANDARD	STANDARD

GROUP B:	
HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR	#1
	#2
SOUTHERN PINE	
#1	
#2	

CABLE TRUSS DETAIL NOTES:

- LIVE LOAD DEFLECTION CRITERIA IS L/240.
- PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
- CABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
- ATTACH EACH "L" BRACE WITH 10d NAILS.
- * FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C.
- ** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C.
- IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
- IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2X4
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND REEL PLATES.	