DATE 12/05/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025277

APPLICANT CHARLES TIMMONS PHONE 386.752.0375

ADDRESS 641 NW HARRIS LAKE DRIVE LAKE CITY FL 32055

OWNER TRAVIS L. TIMMONS PHONE 386.623.4954

ADDRESS 323 SW MCGUIRE TERRACE LAKE CITY FL 32024

CONTRACTOR CHARLES TIMMONS PHONE 386.752.0375

LOCATION OF PROPERTY SR-247S TO C-242,TR TO PROCEED 1 MILE TO MCGUIRE TERRACE, TR GO 1/2 MILE PROPERTY ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 135650.00

HEATED FLOOR AREA 2713.00 TOTAL AREA 4216.00 HEIGHT 32.40 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 10'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE XPS DEVELOPMENT PERMIT NO.

PARCEL ID 19-4S-16-03065-001 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 5.00

000001269		CRC005950	Charles Timmons
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor

WAIVER	06-01056	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD. SECTION 14.9 SPECIAL FAMILY LOT PERMIT.

Check # or Cash 1196

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 680.00 CERTIFICATION FEE $ 21.08 SURCHARGE FEE $ 21.08

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 FEE** 797.16

INSPECTORS OFFICE CLERKS OFFICE CH

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.

WARRANTY DEED
INDIVID.:TO INDIVID

RAMCO FORM 01

This Warranty Deed *Made the* 2nd *day of* November *A. D.* 2006 *by*

Regina G. Timmons, a married person,

hereinafter called the grantor, to

Travis L. Timmons, a single person,

whose postoffice address is 255 NW Carol Pl, Lake City, FL 32055
hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth: *That the grantor, for and in consideration of the sum of* $ 10.00 *and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in* Columbia *County, Florida, viz:*

Begin at the SW corner of the NE 1/4 of the SE 1/4 of Section 19, Township 4 South, Range 16 East, Columbia County, Florida and run S 03°05'15"E, 189.38 feet; thence N 88°37'52"E, 460.00 feet; thence N 02°53'30"W, 190.00 feet; thence N88°33'05"E, 175.40 feet; thence N01°58'25"W, 189.93 feet; thence S 88°33'05"W, 688.07 feet; thence S 01°58'25"E, 189.93 feet; thence N88°33'05"E, 52.04 feet to the Point of Beginning, containing 5.00 ares, more or less.

Together *with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.*

To Have and to Hold, *the same in fee simple forever.*

And *the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31,* 2005.

Inst:2006026182 Date:11/03/2006 Time:11:21
Doc Stamp-Deed : 0.70
$.7 DC,P.DeWitt Cason,Columbia County B:1101 P:154

In Witness Whereof, *the said grantor has signed and sealed these presents the day and year first above written.*

Signed, sealed and delivered in our presence:

Regina G. Timmons L.S.

L.S.

SPACE BELOW FOR RECORDERS USE

STATE OF Florida
COUNTY OF Columbia

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared

Regina G. Timmons

to me known to be the person described in and who executed the foregoing instrument and she acknowledged before me that she executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 2 day of November, A. D. 2006

NOTARY PUBLIC-STATE OF FLORIDA
Michael J. Carr
Commission # DD519389
Expires: FEB. 19, 2010
Bonded Thru Atlantic Bonding Co., Inc.

This Instrument prepared by: Regina Timmons

Address 641 NW Harris Lake Dr., Lake City, FL 32055

Attachment A

WARRANTY DEED
INDIVID.-TO INDIVID

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whose postoffice address is 255 NW Carol Pl, Lake City, FL 32055
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Witnesseth: *That the grantor, for and in consideration of the sum of* $ 10.00 *and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in* Columbia *County, Florida, viz:*

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Inst:2006027964 Date:11/28/2006 Time:10:56
D.T. DC,P.DeWitt Cason,Columbia County B:1103 P:250

Together *with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.*

To Have and to Hold, *the same in fee simple forever.*

And *the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31,* 2005.

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Doc Stamp-Deed : 0.70
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Michael J. Carr
Commission # DD519389
Expires: FEB. 19, 2010
Bonded Thru Atlantic Bonding Co., Inc.

This Instrument prepared by: Regina Timmons
Address 641 NW Harris Lake Dr., Lake City, FL 32055

ELK Roofing Products Specifications – Tuscaloosa, AL

PRESTIQUE®
HIGH DEFINITION®

RAISED PROFILE®

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size	13¼"x 39⅜"
Exposure	5⅝"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq.ft.
Squares/Pallet	11

50-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***

Prestique I *High Definition*

Product size	13¼"x 39⅜"
Exposure	5⅝"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq.ft.
Squares/Pallet	14

40-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 90 mph***

Prestique *High Definition*

Product size	13¼"x 38¾"
Exposure	5⅝"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

30-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph.

Raised Profile

Product size	13¼"x 38¾"
Exposure	5⅝"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

30-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 70 mph.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/*FLX*™

Size: 12"x 12"
Exposure: 6⅝"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Vented RidgeCrest™ w/*FLX*™

Size: 13"x13¼"
Exposure: 9¼"
Pieces/Box: 26
Coverage: 5 boxes = 100 linear feet

Elk Starter Strip

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

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shakewood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood.
Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which 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.

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 have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

***See actual limited warranty for conditions and limitations.**
**** Effective January 1, 2004, the seven year non-prorated Umbrella Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for such products. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all rake and eave edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of VA, KY, MO, KS, CO, UT, NV, & OR.**
*****For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or Grandé, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.**

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.

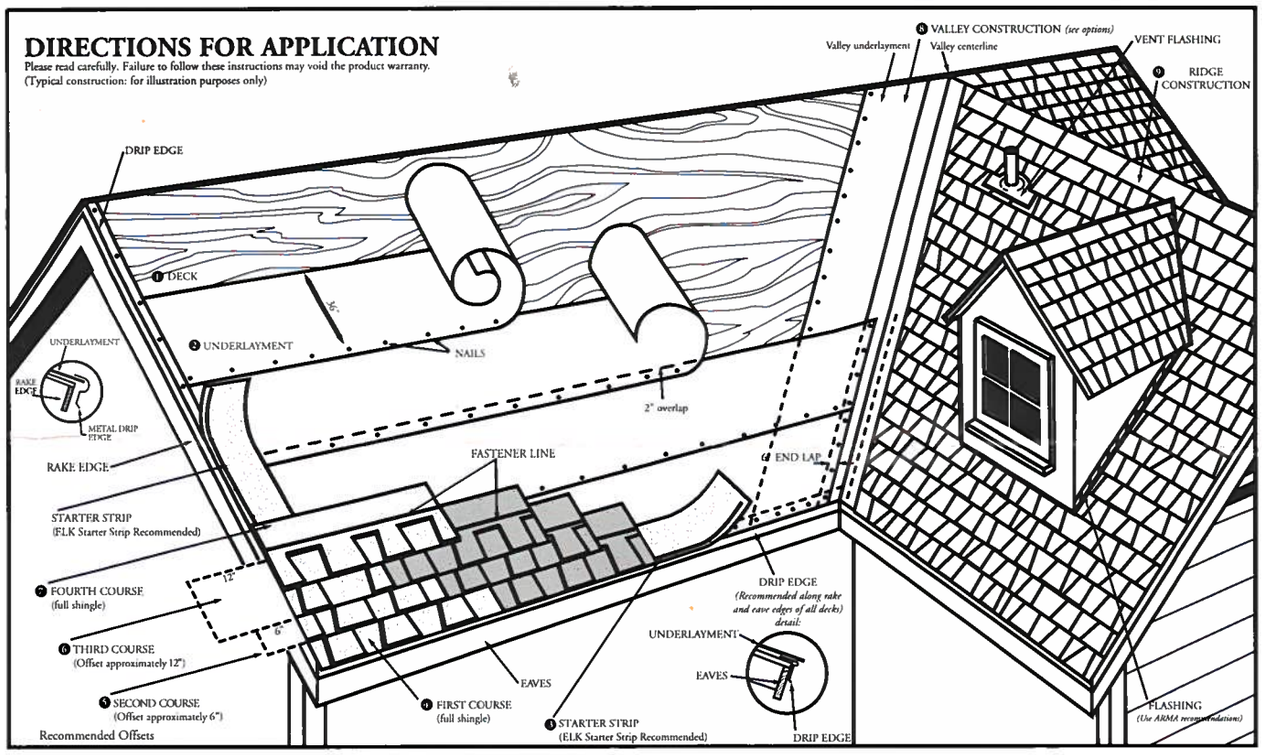
For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

Southeast & Atlantic Office:
800.945.5551

Corporate Headquarters:
800.354.7732

Plant Location:
800.945.5545

ELK The Premium Choice®
www.elkcorp.com



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.

❶ 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.

❷ UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Elk Versashield® or self adhering underlayment is also acceptable. 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 Technical Services Department for application specifications over other decks and other slopes.

❸ STARTER SHINGLE COURSE

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

❹ 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

❺ SECOND COURSE

Offset the second course of shingles with respect to the first by approximately 6". Other offsets are approved if greater than 4".

❻ THIRD COURSE

Offset the next course by 6" with respect to the second course, or consistent with the original offset.

❼ 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. Offsets may be adjusted around valleys and penetrations.

❽ 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 metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

❾ RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z®Ridge or Seal-A-Ridge® with formula *FLX*™ or RidgeCrest™ with *FLX* (See ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

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

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the 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 roof-overs. 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. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

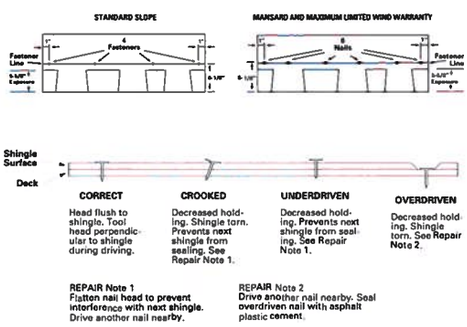
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only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

ELK
The Premium Choice®
www.elkcorp.com

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0611-57 Date Received 11/28/06 By LH Permit # 26910527

Application Approved by - Zoning Official BLK Date 05.12.06 Plans Examiner OKYTH Date 12-4-06

Flood Zone X (Survey) Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Section 14.9 Special Family Lot Permit

~~ABC~~ / ~~EH~~

Applicants Name CHARLES TIMMONS Phone 386-752-0375 Fax: 754-0194

Address 641 NW HARRIS LAKE DR., LAKE CITY, FL 32055

Owners Name TRAVIS L. TIMMONS Phone 386-623-4954

911 Address 323 SW MC GUIRE TER, LAKE CITY, FL 32024

Contractors Name CHARLES TIMMONS Phone 386-752-0375

Address 641 NW HARRIS LAKE DR., LAKE CITY, FL 32055

Fee Simple Owner Name & Address TRAVIS L. TIMMONS

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address WILLIAM MYERS, POB 1513, LAKE CITY FL 32056
~~NICHOLAS P GEISLER, 1758 NW BROWN RD LAKE CITY, FL 32055~~

Mortgage Lenders Name & Address N/A

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

Property ID Number 19-4S-16-03065-001 (PARENT PARCEL) Estimated Cost of Construction 180,000.00

Subdivision Name N/A Lot ____ Block ____ Unit ____ Phase ____

Driving Directions 247 S to 242, TURN RIGHT ON 242, DRIVE @ 1 MILE to MC GUIRE TER, TURN RIGHT, DRIVE @ ½ MILE to SITE ON RIGHT

Type of Construction FRAME Number of Existing Dwellings on Property 0

Total Acreage 5 Lot Size ____ Do you need a (Culvert Permit) or (Culvert Waiver) or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 100'+ Side 100'+ Side 100'+ Rear 100'+

Total Building Height 32'4" Number of Stories 1 Heated Floor Area 2713SF (TOTAL 4,216) Roof Pitch 10/12

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

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. 11/96/1197

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT 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.

Travis L. Timmons
Owner Builder or Agent (Including Contractor)

Charles Timmons
Contractor Signature
Contractors License Number CRC 005950
Competency Card Number ____

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/SEAL

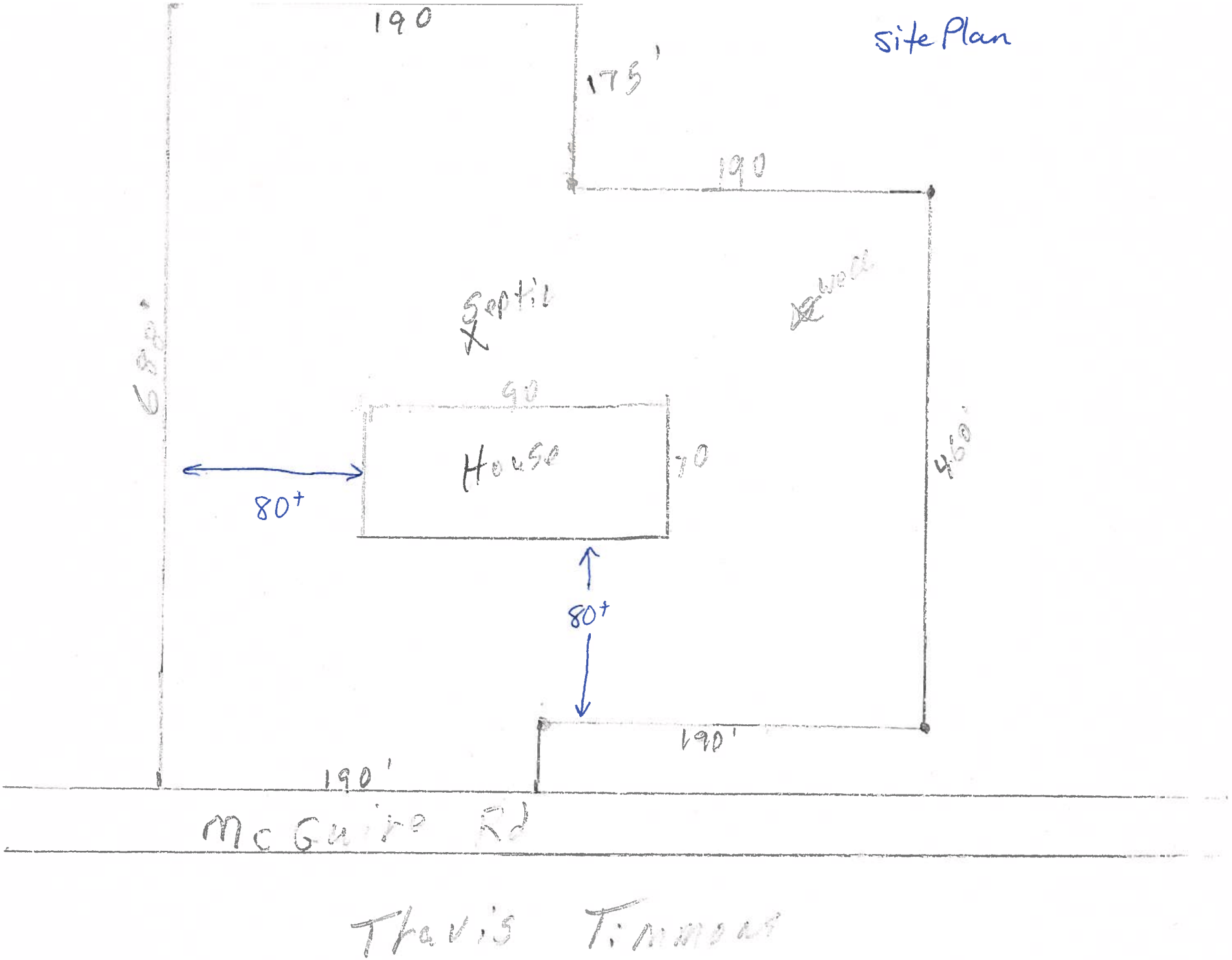
Sworn to (or affirmed) and subscribed before me
this 28th day of NOVEMBER 2006.

Personally known ____ or Produced Identification ____

Regina G Timmons
Notary Signature

Regina G Timmons
My Commission DD228678
Expires October 29, 2007

JW ADVISED CHARLES ON 12.5.06


site Plan
190
175'
190
Septic
well
90
House
70
80+
80+
190'
190'
McGuire Rd
Travis Timmons

COLUMBIA COUNTY, FLORIDA
LAND DEVELOPMENT REGULATION ADMINISTRATOR
SPECIAL FAMILY LOT PERMIT APPLICATION

A special family lot permit may be issued by the Land Development Regulation Administrator on land zoned Agricultural or Environmentally Sensitive Area within these land development regulations, for the purpose of conveying a lot or parcel to an individual who is the parent, grandparent, sibling, child or adopted child or grandchild of the person who conveyed the parcel to said individual, not to exceed two (2) dwelling units per one (1) acre and the lot complies with all other conditions from permitting development as set forth in these land development regulations. This provision is intended to promote the perpetuation of the family homestead in rural areas by making it possible for family members to reside on lots, which exceed maximum density for such areas, provided that the lot complies with the following conditions for permitting:

1. The division of lots shall be by recorded separate deed and meet all other applicable land development regulations; and
2. The lot split or subdivision is for the establishment of a homestead of that relative and the lot so conveyed is at least one-half (1/2) acre in size and the remaining lot is at least one-half (1/2) acre in size; and
3. The family lot permit shall only be issued once for each relative of the parent tract owner. However, for purposes of this provision, if a lot is permitted under this provision to a daughter, for example, and was to be returned to the ownership of the owner of the parent tract, then the original use of this provision to provide the lot to the daughter shall not be counted as one of the one permitted per relative.
4. The lot complies with all other conditions for permitting and development as set forth in these land development regulations.

---

1. Name of Recipient Relative (Applicant) TRAVIS L. TIMMONS
   Address 255 NW CAROL PL City LAKE CITY Zip Code 32055
   Phone (386) 623-4954
2. Name of Title Holder(s) REGINA TIMMONS
   Address 641 NW HARRIS LAKE DR. City LAKE CITY Zip Code 32055
   Phone (386) 752-0375
3. Recipient's Relationship to Title Holder SON
4. Size of Property 5 ACRES OUT OF 77 ACRES
5. Tax Parcel ID# 19-4S-16-03065 **(Attach a Copy of the Deed)**

No permit will be issued unless the deed is properly recorded in the Clerk of the Courts Office.

I (we) hereby certify that all of the above statements and the statements contained in any papers or plans submitted herewith are true and correct to the best of my (our) knowledge and belief.

Applicants Name (Print or Type)

Travis L. Timmons 11/28/06
Applicant Signature Date

OFFICIAL USE

Current Land Use Classification A-3 Current Zoning District A-3

X Approved _____ Denial = Reason _____

BLK
05.12.06

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.

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.

Tax Parcel ID Number 19-4S-16-03065

1. Description of property: (legal description of the property and street address or 911 address)
SEE ATTACHED LEGAL DESCRIPTION

323 SW McGUIRE TER, LAKE CITY, FL 32024

2. General description of improvement: SINGLE FAMILY RESIDENCE

3. Owner Name & Address TRAVIS L. TIMMONS, 255 NW CAROL PL., LAKE CITY FL 32055 Interest in Property

4. Name & Address of Fee Simple Owner (if other than owner):

5. Contractor Name CHARLES TIMMONS Phone Number 386-752-0375
Address 641 NW HARRIS LAKE DR., LAKE CITY, FL 32055

6. Surety Holders Name N/A Phone Number
Address
Amount of Bond

Inst:2006027964 Date:11/28/2006 Time:10:56
DC,P.DeWitt Cason,Columbia County B:1103 P:249

7. Lender Name N/A
Address

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name CHARLES TIMMONS Phone Number 386-752-0375
Address 641 NW HARRIS LAKE DR., LAKE CITY, FL 32055

9. In addition to himself/herself the owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –
(a) 7. Phone Number of the designee

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Sworn to (or affirmed) and subscribed before day of NOVEMBER 28, 2006

Travis L Timmons
Signature of Owner

NOTARY STAMP/SEAL

Regina G Timmons
My Commission DD228678
Expires October 29, 2007

Regina G. Timmons
Signature of Notary

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
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 diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram 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

4" well
1hp submersible pump
PC 244 diaphragm tank (110L)(81gal)
1¼" drop pipe

FORM 600A-2004 Tested sealed ducts must be certified in this house. EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Travis Timmons & Tere'sa Sapp**	Builder:	
Address:	**McGuire Road**	Permitting Office:	Columbia
City, State:	**Lake City, FL 32025-**	Permit Number:	
Owner:		Jurisdiction Number:	22100 C
Climate Zone:	**North**		

1.	New construction or existing	New		12. Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 40.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 11.00
4.	Number of Bedrooms	4		b. Central Unit	Cap: 39.0 kBtu/hr
5.	Is this a worst case?	No			SEER: 11.00
6.	Conditioned floor area (ft²)	2713 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description Area		13. Heating systems	
	(or Single or Double DEFAULT)	7a (Sngle Default) 398.8 ft²		a. Electric Heat Pump	Cap: 40.0 kBtu/hr
b.	SHGC:				HSPF: 6.80
	(or Clear or Tint DEFAULT)	7b. (Clear) 398.8 ft²		b. Electric Heat Pump	Cap: 39.0 kBtu/hr
8.	Floor types				HSPF: 6.80
a.	Slab-On-Grade Edge Insulation	R=0.0, 318.0(p) ft		c. N/A	
b.	N/A				
c.	N/A			14. Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 50.0 gallons
a.	Frame, Wood, Exterior	R=13.0, 3183.2 ft²			EF: 0.90
b.	Frame, Wood, Adjacent	R=13.0, 438.0 ft²		b. Electric Resistance	Cap: 50.0 gallons
c.	N/A				EF: 0.90
d.	N/A			c. Conservation credits	
e.	N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 2800.0 ft²		15. HVAC credits	PT,
b.	N/A			(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A			HF-Whole house fan,	
11.	Ducts(Leak Free)			PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 50.0 ft		MZ-C-Multizone cooling,	
b.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		MZ-H-Multizone heating)	

Glass/Floor Area: 0.15 Total as-built points: 39669 Total base points: 42740 **PASS**

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

PREPARED BY: _____

DATE: 10-17-06

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: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **McGuire Road, Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2713.0	20.04	9786.3	Single, Clear	W	1.5	14.0	9.0	43.84	1.00	392.6	
				Single, Clear	SW	10.5	14.0	14.0	45.75	0.55	353.2	
				Single, Clear	W	10.5	14.0	28.0	43.84	0.60	739.5	
				Single, Clear	NW	12.5	14.0	17.8	29.42	0.66	344.3	
				Single, Clear	W	11.0	14.0	70.0	43.84	0.59	1807.6	
				Single, Clear	SW	10.5	14.0	20.0	45.75	0.55	504.5	
				Single, Clear	W	1.5	14.0	6.0	43.84	1.00	261.7	
				Single, Clear	W	1.5	12.0	36.0	43.84	0.99	1565.3	
				Single, Clear	N	1.5	12.0	36.0	21.73	0.99	775.3	
				Single, Clear	N	1.5	12.0	4.0	21.73	0.99	86.1	
				Single, Clear	N	1.5	12.0	6.0	21.73	0.99	129.2	
				Single, Clear	SE	1.5	12.0	8.0	48.65	0.99	387.0	
				Single, Clear	E	1.5	12.0	8.0	47.92	0.99	379.9	
				Single, Clear	SE	1.5	12.0	8.0	48.65	0.99	387.0	
				Single, Clear	E	1.5	14.0	108.0	47.92	0.99	5145.9	
				Single, Clear	E	7.5	15.0	20.0	47.92	0.73	695.3	
				As-Built Total:				**398.8**			**13954.5**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	438.0	0.70	306.6	Frame, Wood, Exterior	13.0	3183.2	1.50	4774.8
Exterior	3183.2	1.70	5411.4	Frame, Wood, Adjacent	13.0	438.0	0.60	262.8
Base Total:	**3621.2**		**5718.0**	**As-Built Total:**		**3621.2**		**5037.6**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	18.0	1.60	28.8	Exterior Insulated	20.0	4.10	82.0
Exterior	20.0	4.10	82.0	Adjacent Insulated	18.0	1.60	28.8
Base Total:	**38.0**		**110.8**	**As-Built Total:**	**38.0**		**110.8**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2713.0	1.73	4693.5	Under Attic	30.0	2800.0	1.73 X 1.00	4844.0
Base Total:	**2713.0**		**4693.5**	**As-Built Total:**		**2800.0**		**4844.0**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	318.0(p)	-37.0	-11766.0	Slab-On-Grade Edge Insulation	0.0	318.0(p	-41.20	-13101.6
Raised	0.0	0.00	0.0					
Base Total:			**-11766.0**	**As-Built Total:**		**318.0**		**-13101.6**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **McGuire Road, Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	2713.0	10.21	27699.7				2713.0	10.21		27699.7
Summer Base Points: 36242.4				**Summer As-Built Points:**						**38545.0**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
				(sys 1: Central Unit 40000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
				38545	0.51	(1.09 x 1.000 x 0.91)	0.310	0.950		5988.2
				(sys 2: Central Unit 39000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)						
				38545	0.49	(1.09 x 1.000 x 1.00)	0.310	0.950		5838.5
36242.4	**0.4266**		**15461.0**	**38545.0**	**1.00**	**1.041**	**0.310**	**0.950**		**11826.7**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **McGuire Road, Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2713.0	12.74	6221.5	Single, Clear	W	1.5	14.0	9.0	28.84	1.00	260.0	
				Single, Clear	SW	10.5	14.0	14.0	24.09	1.44	486.3	
				Single, Clear	W	10.5	14.0	28.0	28.84	1.13	916.3	
				Single, Clear	NW	12.5	14.0	17.8	32.93	1.02	599.7	
				Single, Clear	W	11.0	14.0	70.0	28.84	1.14	2302.5	
				Single, Clear	SW	10.5	14.0	20.0	24.09	1.44	694.7	
				Single, Clear	W	1.5	14.0	6.0	28.84	1.00	173.3	
				Single, Clear	W	1.5	12.0	36.0	28.84	1.00	1040.8	
				Single, Clear	N	1.5	12.0	36.0	33.22	1.00	1195.7	
				Single, Clear	N	1.5	12.0	4.0	33.22	1.00	132.9	
				Single, Clear	N	1.5	12.0	6.0	33.22	1.00	199.3	
				Single, Clear	SE	1.5	12.0	8.0	21.82	1.02	177.5	
				Single, Clear	E	1.5	12.0	8.0	26.41	1.01	213.0	
				Single, Clear	SE	1.5	12.0	8.0	21.82	1.02	177.5	
				Single, Clear	E	1.5	14.0	108.0	26.41	1.01	2871.2	
				Single, Clear	E	7.5	15.0	20.0	26.41	1.12	591.5	
				As-Built Total:				**398.8**			**12032.1**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	438.0	3.60	1576.8	Frame, Wood, Exterior			13.0	3183.2	3.40		10822.9	
Exterior	3183.2	3.70	11777.8	Frame, Wood, Adjacent			13.0	438.0	3.30		1445.4	
Base Total:	**3621.2**		**13354.6**	**As-Built Total:**				**3621.2**			**12268.3**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	18.0	8.00	144.0	Exterior Insulated				20.0	8.40		168.0	
Exterior	20.0	8.40	168.0	Adjacent Insulated				18.0	8.00		144.0	
Base Total:	**38.0**		**312.0**	**As-Built Total:**				**38.0**			**312.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	2713.0	2.05	5561.6	Under Attic			30.0	2800.0	2.05 X	1.00	5740.0	
Base Total:	**2713.0**		**5561.6**	**As-Built Total:**				**2800.0**			**5740.0**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	318.0(p)	8.9	2830.2	Slab-On-Grade Edge Insulation			0.0	318.0(p	18.80		5978.4	
Raised	0.0	0.00	0.0									
Base Total:			**2830.2**	**As-Built Total:**				**318.0**			**5978.4**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **McGuire Road, Lake City, FL, 32025-**	PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	2713.0	-0.59	-1600.7		2713.0	-0.59	-1600.7			
Winter Base Points:			**26679.3**	**Winter As-Built Points:**						**34730.1**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
				(sys 1: Electric Heat Pump 40000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
				34730.1	0.506	(1.069 x 1.000 x 0.93)	0.501	0.950	8642.0	
				(sys 2: Electric Heat Pump 39000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
				34730.1	0.494	(1.069 x 1.000 x 1.00)	0.501	0.950	8425.9	
26679.3	**0.6274**		**16738.6**	**34730.1**	**1.00**	**1.032**	**0.501**	**0.950**	**17067.9**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **McGuire Road, Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
4		2635.00	10540.0	50.0	0.90	4		0.50	2693.56	1.00	5387.1
				50.0	0.90	4		0.50	2693.56	1.00	5387.1
				As-Built Total:							**10774.2**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
15461	**16739**	**10540**	**42740**	**11827**	**17068**	**10774**	**39669**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **McGuire Road, Lake City, FL, 32025-** 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 612.1.ABC.3.2. Switch or clearly marked cir 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%.	
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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.3

The higher the score, the more efficient the home.

, McGuire Road, Lake City, FL, 32025-

1.	New construction or existing	New	__	12.	Cooling systems	
2.	Single family or multi-family	Single family	__	a.	Central Unit	Cap: 40.0 kBtu/hr __
3.	Number of units, if multi-family	1	__			SEER: 11.00 __
4.	Number of Bedrooms	4	__	b.	Central Unit	Cap: 39.0 kBtu/hr __
5.	Is this a worst case?	No	__			SEER: 11.00 __
6.	Conditioned floor area (ft²)	2713 ft²	__	c.	N/A	__
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					__
a.	U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a (Sngle Default) 398.8 ft²	__	a.	Electric Heat Pump	Cap: 40.0 kBtu/hr __
b.	SHGC:					HSPF: 6.80 __
	(or Clear or Tint DEFAULT)	7b. (Clear) 398.8 ft²	__	b.	Electric Heat Pump	Cap: 39.0 kBtu/hr __
8.	Floor types					HSPF: 6.80 __
a.	Slab-On-Grade Edge Insulation	R=0.0, 318.0(p) ft	__	c.	N/A	__
b.	N/A		__			__
c.	N/A		__	14.	Hot water systems	
9.	Wall types			a.	Electric Resistance	Cap: 50.0 gallons __
a.	Frame, Wood, Exterior	R=13.0, 3183.2 ft²	__			EF: 0.90 __
b.	Frame, Wood, Adjacent	R=13.0, 438.0 ft²	__	b.	Electric Resistance	Cap: 50.0 gallons __
c.	N/A		__			EF: 0.90 __
d.	N/A		__	c.	Conservation credits	__
e.	N/A		__		(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 2800.0 ft²	__	15.	HVAC credits	PT, __
b.	N/A		__		(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A		__		HF-Whole house fan,	
11.	Ducts(Leak Free)				PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 50.0 ft	__		MZ-C-Multizone cooling,	
b.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	__		MZ-H-Multizone heating)	

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Energy Code Compliance

Duct System Performance Report

Project Name:	Travis Timmons & Tere'sa Sapp	Builder:	
Address:	McGuire Road	Permitting Office:	
City, State:	Lake City, FL 32025-	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	North		

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	**Total House Duct System Leakage**	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q_n,tot) ☐ Receive credit if Q_n,tot≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q_n,out) ☐ Receive credit if Q_n,out≤ 0.03 AND Q_n,tot≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____

Printed Name: _____

Florida Rater Certification #: _____

DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: http://energygauge.com/search.htp

BUILDING OFFICIAL: _____

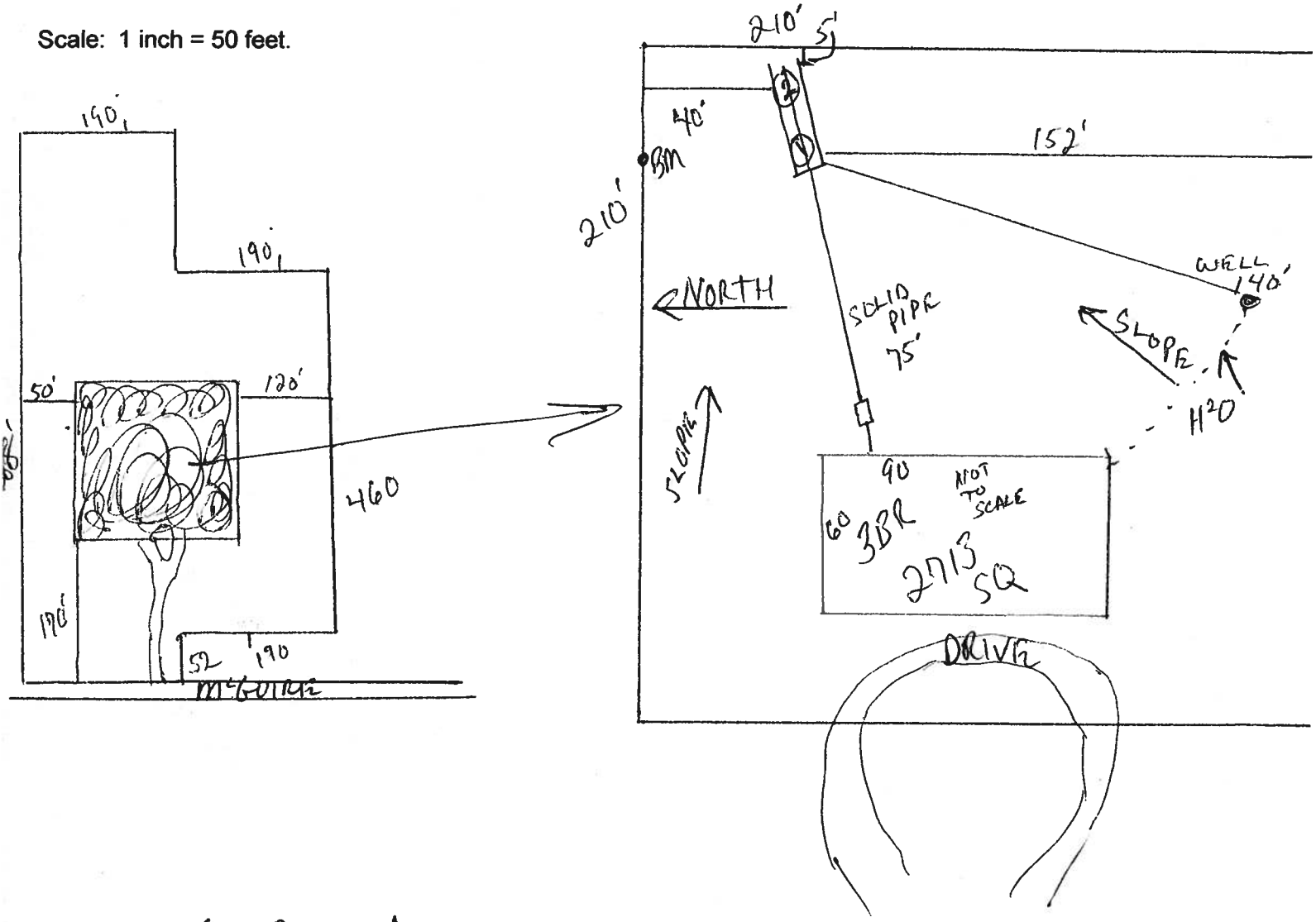
DATE: _____

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION F0R ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-1056

---------- PART II - SITEPLAN ----------

Scale: 1 inch = 50 feet.



Notes: 1 of 5 Acres

Site Plan submitted by: Rocky Tyo

Plan Approved ✓ Not Approved ____ MASTER CONTRACTOR

By [signature] Columbia County Health Department Date 12/5/06

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

WAIVER

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000001269

DATE: 12/05/2006 BUILDING PERMIT NO. 25277

APPLICANT CHARLES TIMMONS PHONE 386.752.0375

ADDRESS 641 NW HARRIS LAKE DRIVE LAKE CITY FL 32055

OWNER TRAVIS L.TIMMONS PHONE 386.623.4954

ADDRESS 323 SW MCGUIRE TERRACE LAKE CITY FL 32024

CONTRACTOR CHARLES TIMMONS PHONE 386.623.4954

LOCATION OF PROPERTY SR-247-S TO C-242,TR PROCEED 1 MILE TO MCGUIRE TERRACE,TR & IT'S A 1/2 MILE ON THE R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 19-4S-16-03065-001

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: Charles Timmons

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

✓ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS:

SIGNED: Terry Little DATE: 12-7-06

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

RECEIVED
DEC 06 2006
By:

COLUMBIA COUNTY GATEWAY TO FLORIDA

FLORIDA DEPARTMENT OF Community Affairs

Community Affairs

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval

USER: Public User

DOORS

FL #	FL6142
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	Plastpro Inc. / Nanya Plastics Corp.
Address/Phone/Email	9 Peach Tree Hill Road Livingston, NJ 07039 (440) 969-9773 ext 16 RonOConnell@plastproinc.com
Authorized Signature	Ron O'Connell RonOConnell@plastproinc.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	
Category	Exterior Doors
Subcategory	Swinging Exterior Door Assemblies
Compliance Method	Evaluation Report from a Florida Regis Licensed Florida Professional Engineer ☑ Evaluation Report - Hardcopy Rece
Florida Engineer or Architect Name who developed the Evaluation Report	Wendell W. Haney
Florida License	PE-54158

Quality Assurance Entity	National Accreditation and Manageme
Validated By	L.F. Schmidt, P.E.
Certificate of Independence	FL6142_R0_COI_Certificate of Indepe
Referenced Standard and Year (of Standard)	**Standard** 101/I.S. 2 Accepted Engineering Practice ASTM E1300
Equivalence of Product Standards Certified By	
Sections from the Code	
Product Approval Method	Method 1 Option D
Date Submitted	02/28/2006
Date Validated	03/01/2006
Date Pending FBC Approval	03/07/2006
Date Approved	03/21/2006

Summary of Products

FL #	Model, Number or Name	Description
6142.1	a. Distinction Series	Up to 3'0 x 6'8 Single (X) Glazed Fiberglass Door Ut Frame
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +55.0 /-60.0 **Other:** See INST 6142.1 and EVAL 6142.1 for any additional size and use limitations.		**Installation Instructior** FL6142_R0_II_INST 614 Verified By: Wendell W. H **Evaluation Reports** FL6142_R0_AE_EVAL 61
6142.2	b. Distinction Series	Up to 3'0 x 6'8 Single witl Inswing or Outswing - Gla Utilizing the Snap Lite Fra
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +48.0 /-50.0		**Installation Instructior** FL6142_R0_II_INST 614 Verified By: Wendell W. H **Evaluation Reports** FL6142_R0_AE_EVAL 61

Other: See INST 6142.2 and EVAL 6142.2 for any additional size and use limitations.		
6142.3	c. Distinction Series	Up to 3'0 x 6'8 Single witl Inswing or Outswing - Gla Utilizing the Snap Lite Fra
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +48.0 /-50.0 **Other:** See INST 6142.3 and EVAL 6142.3 for any additional size and use limitations.		**Installation Instruction** FL6142_R0_II_6142.3 IN Verified By: Wendell W. H **Evaluation Reports** FL6142_R0_AE_EVAL 61
6142.4	d. Distinction Series	Up to 6'0 x 6'8 Double (X) - Glazed Fiberglass Doors Frame
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +47.0 /-47.0 **Other:** See INST 6142.4 and EVAL 6142.4 for any additional size and use limitations.		**Installation Instruction** FL6142_R0_II_INST 614 Verified By: Wendell W. H **Evaluation Reports** FL6142_R0_AE_EVAL 61
6142.5	e. Distinction Series	Up to 6'0 x 6'8 Double wit Inswing or Outswing - Gla Utilizing the Snap Lite Fra
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +47.0 /-47.0 **Other:** See INST 6142.5 and EVAL 6142.5 for any additional size and use limitations.		**Installation Instruction** FL6142_R0_II_6142.5 IN Verified By: Wendell W. H **Evaluation Reports** FL6142_R0_AE_EVAL 61
6142.6	f. Distinction Series	Up to 3'0 x 6'8 Single (X) Glazed Fiberglass Door Ut Screw Frame
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6142.6 and EVAL 6142.6 for any additional size and use limitations.		**Installation Instruction** FL6142_R0_II_INST 614 Verified By: Wendell W. H **Evaluation Reports** FL6142_R0_AE_EVAL 61
6142.7	g. Distinction Series	Up to 3'0 x 6'8 Single witl Inswing or Outswing - Gla Utilizing the Lip Lite Screv
Limits of Use **Approved for use in HVHZ:** No		**Installation Instruction** FL6142_R0_II_INST 614

Approved for use outside HVHZ: Yes **Impact Resistant:** No **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6142.7 and EVAL 6142.7 for any additional size and use limitations.		Verified By: Wendell W. H **Evaluation Reports** FL6142_R0_AE_EVAL 61
6142.8	h. Distinction Series	Up to 3'0 x 6'8 Single with Inswing or Outswing - Gla Utilizing the Lip Lite Screv
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6142.8 and EVAL 6142.8 for any additional size and use limitations.		**Installation Instruction** FL6142_R0_II_INST 614 Verified By: Wendell W. H **Evaluation Reports** FL6142_R0_AE_EVAL 61
6142.9	i. Distinction Series	Up to 6'0 x 6'8 Double (X - Glazed Fiberglass Door U Screw Frame
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6142.9 and EVAL 6142.9 for any additional size and use limitations.		**Installation Instruction** FL6142_R0_II_INST 614 Verified By: Wendell W. H **Evaluation Reports** FL6142_R0_AE_EVAL 61
6142.10	j. Distinction Series	Up to 6'0 x 6'8 Double wit Inswing or Outswing - Gla Utilizing the Lip Lite Screv
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6142.10 and EVAL 6142.10 for any additional size and use limitations.		**Installation Instruction** FL6142_R0_II_INST 614 Verified By: Wendell W. H **Evaluation Reports** FL6142_R0_AE_EVAL 61

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DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:


Bobby
APPROVED

FLORIDA DEPARTMENT OF Community Affairs

Community Affairs

Product Approval

USER: Public User

FL #	FL1378-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	JORDAN WINDOWS and DOORS
Address/Phone/Email	4661 BURBANK ROAD MEMPHIS, TN 38118 (901) 866-2638 MIKE.DODDS@JORDANCOMPANY.COM
Authorized Signature	MIKE DODDS MIKE.DODDS@JORDANCOMPANY.COM
Technical Representative	MICHAEL DODDS
Address/Phone/Email	4661 BURBANK ROAD MEMPHIS, TN 38118 (901) 363-2121 MIKE.DODDS@JORDANCOMPANY.COM
Quality Assurance Representative	
Address/Phone/Email	
Category	Windows
Subcategory	Single Hung
Compliance Method	Certification Mark or Listing
Certification Agency	American Architectural Manufacturers

Referenced Standard and Year (of Standard)	**Standard** AAMA/NWWDA 101/I.S. 2-97
Equivalence of Product Standards Certified By	
Sections from the Code	1707.4.2.1
Product Approval Method	Method 1 Option A
Date Submitted	09/16/2005
Date Validated	09/16/2005
Date Pending FBC Approval	09/23/2005
Date Approved	10/11/2005

Summary of Products

FL #	Model, Number or Name	Description
1378.1	2112	FIN FRAME H-LC35=48"X
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Per attached manufacturers installation insructions. Not for use HVHZ		**Certification Agency Ce** **Installation Instructior** PTID_1378_R1_I_FL137{ Windows.pdf Verified By:
1378.2	2312	FIN FRAME H-LC50=48"X
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Per attached manufacturers installation insructions. Not for use HVHZ		**Certification Agency Ce** **Installation Instructior** Verified By:
1378.3	8500	FIN FRAME H-R40=44"X8
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Per attached manufacturers installation insructions. Not for use HVHZ		**Certification Agency Ce** **Installation Instructior** Verified By:

1378.4	8600	FIN FRAME H-R50=44"X7
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Per attached manufacturers installation insructions. Not for use HVHZ		**Certification Agency Ce** **Installation Instruction** Verified By:
1378.5	8600	FIN FRAME H-R55=36"X8
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Per attached manufacturers installation insructions. Not for use HVHZ		**Certification Agency Ce** **Installation Instruction** Verified By:

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DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

FLORIDA DEPARTMENT OF Community Affairs

Community Affairs

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval

USER: Public User

FL #	FL6184
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	Plastpro Inc. / Nanya Plastics Corp.
Address/Phone/Email	9 Peach Tree Hill Road Livingston, NJ 07039 (440) 969-9773 ext 16 RonOConnell@plastproinc.com
Authorized Signature	Ron O'Connell RonOConnell@plastproinc.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	
Category	Exterior Doors
Subcategory	Swinging Exterior Door Assemblies
Compliance Method	Evaluation Report from a Florida Regis Licensed Florida Professional Engineer ☑ Evaluation Report - Hardcopy Rece
Florida Engineer or Architect Name who developed the Evaluation Report	Wendell W. Haney
Florida License	PE-54158

Quality Assurance Entity	National Accreditation and Manageme
Validated By	L.F. Schmidt, P.E.
Certificate of Independence	FL6184_R0_COI_Certificate of Indepe
Referenced Standard and Year (of Standard)	**Standard** 101/I.S. 2 Accepted Engineering Practice ASTM E1300 ASTM E1886 ASTM E1996 ASTM E330
Equivalence of Product Standards Certified By	
Sections from the Code	
Product Approval Method	Method 1 Option D
Date Submitted	02/26/2006
Date Validated	02/28/2006
Date Pending FBC Approval	03/07/2006
Date Approved	03/22/2006

Summary of Products

FL #	Model, Number or Name	Description
6184.1	a. Distinction Series	Up to 3'0 x 6'8 Opaque Si Outswing Fiberglass Door
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +65.0 /-70.0 **Other:** See INST 6184.1 and EVAL 6184.1 for any additional size and use limitations.		**Installation Instruction** FL6184_R0_II_INST 618 Verified By: Wendell W. H **Evaluation Reports** FL6184_R0_AE_EVAL 61
6184.2	b. Distinction Series	Up to 3'0 x 6'8 Opaque Fi with Sidelite (XO or OX) T Installed Utilizing the Sna
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes		**Installation Instruction** FL6184_R0_II_INST 618 Verified By: Wendell W. H

Impact Resistant: Yes **Design Pressure:** +47.0 /-47.0 **Other:** See INST 6184.1 sheet 1 General Note 3 regarding sidelite protection and EVAL 6184.1 for any additional size and use limitations.		**Evaluation Reports** FL6184_R0_AE_EVAL 61
6184.3	c. Distinction Series	Up to 3'0 x 6'8 Opaque Fi with Sidelite (XO or OX) T Installed Utilizing the Lip
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6184.3 sheet 1 General Note 3 regarding sidelite protection and EVAL 6184.3 for any additional size and use limitations.		**Installation Instruction** FL6184_R0_II_INST 618 Verified By: Wendell W. H **Evaluation Reports** FL6184_R0_AE_EVAL 61
6184.4	d. Distinction Series	Up to 3'0 x 6'8 Opaque Fi with Sidelites (OXO) The S Installed Utilizing the Sna
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** +47.0 /-47.0 **Other:** See INST 6184.4 sheet 1 General Note 3 regarding sidelite protection and EVAL 6184.4 for any additional size and use limitations.		**Installation Instruction** FL6184_R0_II_INST 618 Verified By: Wendell W. H **Evaluation Reports** FL6184_R0_AE_EVAL 61
6184.5	e. Distinction Series	Up to 3'0 x 6'8 Opaque Fi with Sidelites (OXO) The S Installed Utilizing the Lip
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6184.5 sheet 1 General Note 3 regarding sidelite protection and EVAL 6184.5 for any additional size and use limitations.		**Installation Instruction** FL6184_R0_II_INST 618 Verified By: Wendell W. H **Evaluation Reports** FL6184_R0_AE_EVAL 61
6184.6	f. Distinction Series	Up to 6'0 x 6'8 Opaque D Outswing Fiberglass Door
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6184.6 and EVAL 6184.6 for any additional size and use limitations.		**Installation Instruction** FL6184_R0_II_INST 618 Verified By: Wendell W. H **Evaluation Reports** FL6184_R0_AE_EVAL 61
6184.7	g. Distinction Series	Up to 6'0 x 6'8 Opaque Fi

		with Sidelites (OXXO) The Installed Utilizing the Sna
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6184.7 sheet 1 General Note 3 regarding sidelite protection and EVAL 6184.7 for any additional size and use limitations.		**Installation Instruction** FL6184_R0_II_INST 618 Verified By: Wendell W. H **Evaluation Reports** FL6184_R0_AE_EVAL 61
6184.8	h. Distinction Series	Up to 6'0 x 6'8 Opaque Fi with Sidelites (OXXO) The Installed Utilizing the Lip
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6184.8 sheet 1 General Note 3 regarding sidelite protection and EVAL 6184.8 for any additional size and use limitations.		**Installation Instruction** FL6184_R0_II_INST 618 Verified By: Wendell W. H **Evaluation Reports** FL6184_R0_AE_EVAL 61

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DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

FLORIDA DEPARTMENT OF Community Affairs

Community Affairs

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval

USER: Public User

FL #	FL6229
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	Plastpro Inc. / Nanya Plastics Corp.
Address/Phone/Email	9 Peach Tree Hill Road Livingston, NJ 07039 (440) 969-9773 ext 16 RonOConnell@plastproinc.com
Authorized Signature	Ron O'Connell RonOConnell@plastproinc.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	
Category	Exterior Doors
Subcategory	Swinging Exterior Door Assemblies
Compliance Method	Evaluation Report from a Florida Regis Licensed Florida Professional Engineer ☑ Evaluation Report - Hardcopy Rece
Florida Engineer or Architect Name who developed the Evaluation Report	Wendell W. Haney
Florida License	PE-54158

Quality Assurance Entity	National Accreditation and Manageme
Validated By	L.F. Schmidt, P.E.
Certificate of Independence	FL6229_R0_COI_Certificate of Indepe
Referenced Standard and Year (of Standard)	**Standard** 101/I.S. 2 101/I.S. 2 - NAFS Accepted engineering Practice ASTM E1300
Equivalence of Product Standards Certified By	
Sections from the Code	
Product Approval Method	Method 1 Option D
Date Submitted	03/07/2006
Date Validated	03/07/2006
Date Pending FBC Approval	03/12/2006
Date Approved	03/22/2006

Summary of Products

FL #	Model, Number or Name	Description
6229.1	a. Distinction Series	Up to 3'0 x 8'0 Single (X) Fiberglass Door Utilizing t
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +47.0 /-47.0 **Other:** See INST 6229.1 and EVAL 6229.1 for any additional size and use limitations.		**Installation Instruction** FL6229_R0_II_INST 622 Verified By: Wendell W. H **Evaluation Reports** FL6229_R0_AE_EVAL 62
6229.2	b. Distinction Series	Up to 3'0 x 8'0 Single witl Inswing or Outswing - Gla Utilizing the Snap Lite Fra
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +47.0 /-47.0		**Installation Instruction** FL6229_R0_II_INST 622 Verified By: Wendell W. H **Evaluation Reports** FL6229_R0_AE_EVAL 62

Other: See INST 6229.2 and EVAL 6229.2 for any additional size and use limitations.		
6229.3	c. Distinction Series	Up to 3'0 x 8'0 Single witl Inswing or Outswing - Gla Utilizing the Snap Lite Fra
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +47.0 /-47.0 **Other:** See INST 6142.3 and EVAL 6142.3 for any additional size and use limitations.		**Installation Instruction** FL6229_R0_II_INST 622 Verified By: Wendell W. H **Evaluation Reports** FL6229_R0_AE_EVAL 62
6229.4	d. Distinction Series	Up to 6'0 x 6'8 Double (X) - Glazed Fiberglass Doors Frame
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +47.0 /-47.0 **Other:** See INST 6229.4 and EVAL 6229.4 for any additional size and use limitations.		**Installation Instruction** FL6229_R0_II_INST 622 Verified By: Wendell W. H **Evaluation Reports** FL6229_R0_AE_EVAL 62
6229.5	e. Distinction Series	Up to 6'0 x 6'8 Double wit Inswing or Outswing - Gla Utilizing the Snap Lite Fra
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +47.0 /-47.0 **Other:** See INST 6229.5 and EVAL 6229.5 for any additional size and use limitations.		**Installation Instruction** FL6229_R0_II_INST 622 Verified By: Wendell W. H **Evaluation Reports** FL6229_R0_AE_EVAL 62
6229.6	f. Distinction Series	Up to 3'0 x 8'0 Single (X) Glazed Fiberglass Door Ut Screw Frame
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6229.6 and EVAL 6229.6 for any additional size and use limitations.		**Installation Instruction** FL6229_R0_II_INST 622 Verified By: Wendell W. H **Evaluation Reports** FL6229_R0_AE_EVAL 62
6229.7	g. Distinction Series	Up to 3'0 x 8'0 Single witl Inswing or Outswing - Gla Utilizing the Lip Lite Screv
Limits of Use **Approved for use in HVHZ:** No		**Installation Instruction** FL6229_R0_II_INST 622

Approved for use outside HVHZ: Yes **Impact Resistant:** No **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6229.7 and EVAL 6229.7 for any additional size and use limitations.		Verified By: Wendell W. H **Evaluation Reports** FL6229_R0_AE_EVAL 62
6229.8	h. Distinction Series	Up to 3'0 x 8'0 Single with Inswing or Outswing - Gla Utilizing the Lip Lite Screv
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +50.0 /-50.0 **Other:** See INST 6229.8 and EVAL 6229.8 for any additional size and use limitations.		**Installation Instruction** FL6229_R0_II_INST 622 Verified By: Wendell W. H **Evaluation Reports** FL6229_R0_AE_EVAL 62
6229.9	i. Distinction Series	Up to 6'0 x 8'0 Double (X - Glazed Fiberglass Door U Screw Frame
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +37.5 /-37.5 **Other:** See INST 6229.9 and EVAL 6229.9 for any additional size and use limitations.		**Installation Instruction** FL6229_R0_II_INST 622 Verified By: Wendell W. H **Evaluation Reports** FL6229_R0_AE_EVAL 62
6229.10	j. Distinction Series	Up to 6'0 x 8'0 Double wit Inswing or Outswing - Gla Utilizing the Lip Lite Screv
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +37.5 /-37.5 **Other:** See INST 6229.10 and EVAL 6229.10 for any additional size and use limitations.		**Installation Instruction** FL6229_R0_II_INST 622 Verified By: Wendell W. H **Evaluation Reports** FL6229_R0_AE_EVAL 62

Back Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:


eCheck


Bobby
APPROVED

Residential System Sizing Calculation

Summary

Project Title:
Travis Timmons & Tere'sa Sapp

McGuire Road
Lake City, FL 32025-

Code Only
Professional Version
Climate: North

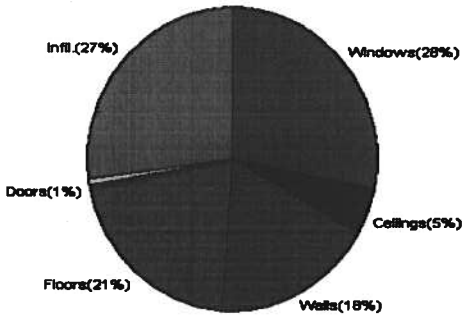
10/17/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**65890**	**Btuh**	**Total cooling load calculation**	**73467**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.9	79000	Sensible (SHR = 0.75)	102.2	59250
Heat Pump + Auxiliary(0.0kW)	119.9	79000	Latent	127.6	19750
			Total (Electric Heat Pump)	107.5	79000

WINTER CALCULATIONS

Winter Heating Load (for 2713 sqft)

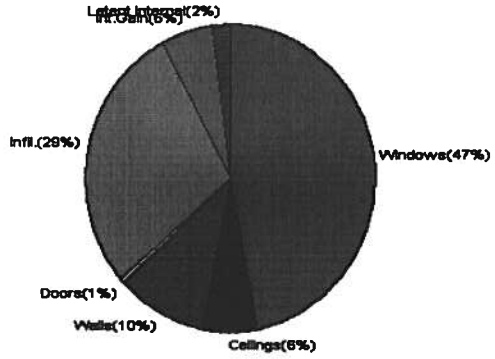
Load component			Load	
Window total	399	sqft	18740	Btuh
Wall total	3621	sqft	11892	Btuh
Door total	38	sqft	492	Btuh
Ceiling total	2800	sqft	3299	Btuh
Floor total	318	sqft	13884	Btuh
Infiltration	434	cfm	17583	Btuh
Duct loss			0	Btuh
Subtotal			**65890**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**65890**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2713 sqft)

Load component			Load	
Window total	399	sqft	34367	Btuh
Wall total	3621	sqft	7300	Btuh
Door total	38	sqft	372	Btuh
Ceiling total	2800	sqft	4637	Btuh
Floor total			0	Btuh
Infiltration	380	cfm	7069	Btuh
Internal gain			4240	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**57986**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			13881	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			**15481**	**Btuh**
TOTAL HEAT GAIN			**73467**	**Btuh**



Presented by ACCA MANUAL J

For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 10.17.06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

McGuire Road
Lake City, FL 32025-

Project Title:
Travis Timmons & Tere'sa Sapp

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

10/17/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	9.0	47.0	423 Btuh
2	1, Clear, Metal, 1.27	SW	14.0	47.0	658 Btuh
3	1, Clear, Metal, 1.27	W	28.0	47.0	1316 Btuh
4	1, Clear, Metal, 1.27	NW	17.8	47.0	836 Btuh
5	1, Clear, Metal, 1.27	W	70.0	47.0	3289 Btuh
6	1, Clear, Metal, 1.27	SW	20.0	47.0	940 Btuh
7	1, Clear, Metal, 1.27	W	6.0	47.0	282 Btuh
8	1, Clear, Metal, 1.27	W	36.0	47.0	1692 Btuh
9	1, Clear, Metal, 1.27	N	36.0	47.0	1692 Btuh
10	1, Clear, Metal, 1.27	N	4.0	47.0	188 Btuh
11	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
12	1, Clear, Metal, 1.27	SE	8.0	47.0	376 Btuh
13	1, Clear, Metal, 1.27	E	8.0	47.0	376 Btuh
14	1, Clear, Metal, 1.27	SE	8.0	47.0	376 Btuh
15	1, Clear, Metal, 1.27	E	108.0	47.0	5075 Btuh
16	1, Clear, Metal, 1.27	E	20.0	47.0	940 Btuh
	Window Total		399(sqft)		18740 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	3183	3.3	10454 Btuh
2	Frame - Wood - Adj(0.09)	13.0	438	3.3	1438 Btuh
	Wall Total		3621		11892 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		18	12.9	233 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		38		492Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2800	1.2	3299 Btuh
	Ceiling Total		2800		3299Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	318.0 ft(p)	43.7	13884 Btuh
	Floor Total		318		13884 Btuh
			Zone Envelope Subtotal:		48307 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	32556	434.1	17583 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**65890 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

McGuire Road
Lake City, FL 32025-

Project Title:
Travis Timmons & Tere'sa Sapp

Code Only
Professional Version
Climate: North

10/17/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	65890 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	65890 Btuh

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

McGuire Road
Lake City, FL 32025-

Project Title:
Travis Timmons & Tere'sa Sapp

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

10/17/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	9.0	47.0	423 Btuh
2	1, Clear, Metal, 1.27	SW	14.0	47.0	658 Btuh
3	1, Clear, Metal, 1.27	W	28.0	47.0	1316 Btuh
4	1, Clear, Metal, 1.27	NW	17.8	47.0	836 Btuh
5	1, Clear, Metal, 1.27	W	70.0	47.0	3289 Btuh
6	1, Clear, Metal, 1.27	SW	20.0	47.0	940 Btuh
7	1, Clear, Metal, 1.27	W	6.0	47.0	282 Btuh
8	1, Clear, Metal, 1.27	W	36.0	47.0	1692 Btuh
9	1, Clear, Metal, 1.27	N	36.0	47.0	1692 Btuh
10	1, Clear, Metal, 1.27	N	4.0	47.0	188 Btuh
11	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
12	1, Clear, Metal, 1.27	SE	8.0	47.0	376 Btuh
13	1, Clear, Metal, 1.27	E	8.0	47.0	376 Btuh
14	1, Clear, Metal, 1.27	SE	8.0	47.0	376 Btuh
15	1, Clear, Metal, 1.27	E	108.0	47.0	5075 Btuh
16	1, Clear, Metal, 1.27	E	20.0	47.0	940 Btuh
	Window Total		399(sqft)		18740 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	3183	3.3	10454 Btuh
2	Frame - Wood - Adj(0.09)	13.0	438	3.3	1438 Btuh
	Wall Total		3621		11892 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		18	12.9	233 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		38		492Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2800	1.2	3299 Btuh
	Ceiling Total		2800		3299Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	318.0 ft(p)	43.7	13884 Btuh
	Floor Total		318		13884 Btuh
			Zone Envelope Subtotal:		48307 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	32556	434.1	17583 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**65890 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

McGuire Road
Lake City, FL 32025-

Project Title:
Travis Timmons & Tere'sa Sapp

Code Only
Professional Version
Climate: North

10/17/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	65890 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	65890 Btuh

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

McGuire Road
Lake City, FL 32025-

Project Title:
Travis Timmons & Tere'sa Sapp

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 10/17/2006

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1, Clear, 1.27, None,N,N	W	1.5ft	14ft.	9.0	0.0	9.0	37	94	846 Btuh
2	1, Clear, 1.27, None,N,N	SW	10.5f	14ft.	14.0	14.0	0.0	37	75	524 Btuh
3	1, Clear, 1.27, None,N,N	W	10.5f	14ft.	28.0	6.9	21.1	37	94	2245 Btuh
4	1, Clear, 1.27, None,N,N	NW	12.5f	14ft.	17.8	0.0	17.8	37	72	1286 Btuh
5	1, Clear, 1.27, None,N,N	W	11ft.	14ft.	70.0	21.3	48.7	37	94	5378 Btuh
6	1, Clear, 1.27, None,N,N	SW	10.5f	14ft.	20.0	20.0	0.0	37	75	749 Btuh
7	1, Clear, 1.27, None,N,N	W	1.5ft	14ft.	6.0	0.0	6.0	37	94	564 Btuh
8	1, Clear, 1.27, None,N,N	W	1.5ft	12ft.	36.0	0.0	36.0	37	94	3386 Btuh
9	1, Clear, 1.27, None,N,N	N	1.5ft	12ft.	36.0	0.0	36.0	37	37	1348 Btuh
10	1, Clear, 1.27, None,N,N	N	1.5ft	12ft.	4.0	0.0	4.0	37	37	150 Btuh
11	1, Clear, 1.27, None,N,N	N	1.5ft	12ft.	6.0	0.0	6.0	37	37	225 Btuh
12	1, Clear, 1.27, None,N,N	SE	1.5ft	12ft.	8.0	0.0	8.0	37	75	600 Btuh
13	1, Clear, 1.27, None,N,N	E	1.5ft	12ft.	8.0	0.0	8.0	37	94	752 Btuh
14	1, Clear, 1.27, None,N,N	SE	1.5ft	12ft.	8.0	0.0	8.0	37	75	600 Btuh
15	1, Clear, 1.27, None,N,N	E	1.5ft	14ft.	108.0	0.0	108.0	37	94	10157 Btuh
16	1, Clear, 1.27, None,N,N	E	7.5ft	15ft.	20.0	0.0	20.0	37	94	1881 Btuh
	Excursion									3675 Btuh
	Window Total				399 (sqft)					34367 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	3183.2	2.1	6640 Btuh
2	Frame - Wood - Adj	13.0/0.09	438.0	1.5	661 Btuh
	Wall Total		3621 (sqft)		7300 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	18.0	9.8	176 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	38 (sqft)		372 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2800.0	1.7	4637 Btuh
	Ceiling Total		2800 (sqft)		4637 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	318 (ft(p))	0.0	0 Btuh
	Floor Total		318.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		46677 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	32556	379.8	7069 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	8	X 230	+	2400	4240 Btuh

Duct load			
	Proposed leak free, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh
		Sensible Zone Load	**57986 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

McGuire Road
Lake City, FL 32025-

Project Title:
Travis Timmons & Tere'sa Sapp

Code Only
Professional Version
Climate: North

10/17/2006

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**57986**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**57986**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	**Total sensible gain**	**57986**	**Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	13881	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**15481**	**Btuh**
	TOTAL GAIN	**73467**	**Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

McGuire Road
Lake City, FL 32025-

Project Title:
Travis Timmons & Tere'sa Sapp

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 10/17/2006

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1, Clear, 1.27, None,N,N	W	1.5ft	14ft.	9.0	0.0	9.0	37	94	846 Btuh
2	1, Clear, 1.27, None,N,N	SW	10.5f	14ft.	14.0	14.0	0.0	37	75	524 Btuh
3	1, Clear, 1.27, None,N,N	W	10.5f	14ft.	28.0	6.9	21.1	37	94	2245 Btuh
4	1, Clear, 1.27, None,N,N	NW	12.5f	14ft.	17.8	0.0	17.8	37	72	1286 Btuh
5	1, Clear, 1.27, None,N,N	W	11ft.	14ft.	70.0	21.3	48.7	37	94	5378 Btuh
6	1, Clear, 1.27, None,N,N	SW	10.5f	14ft.	20.0	20.0	0.0	37	75	749 Btuh
7	1, Clear, 1.27, None,N,N	W	1.5ft	14ft.	6.0	0.0	6.0	37	94	564 Btuh
8	1, Clear, 1.27, None,N,N	W	1.5ft	12ft.	36.0	0.0	36.0	37	94	3386 Btuh
9	1, Clear, 1.27, None,N,N	N	1.5ft	12ft.	36.0	0.0	36.0	37	37	1348 Btuh
10	1, Clear, 1.27, None,N,N	N	1.5ft	12ft.	4.0	0.0	4.0	37	37	150 Btuh
11	1, Clear, 1.27, None,N,N	N	1.5ft	12ft.	6.0	0.0	6.0	37	37	225 Btuh
12	1, Clear, 1.27, None,N,N	SE	1.5ft	12ft.	8.0	0.0	8.0	37	75	600 Btuh
13	1, Clear, 1.27, None,N,N	E	1.5ft	12ft.	8.0	0.0	8.0	37	94	752 Btuh
14	1, Clear, 1.27, None,N,N	SE	1.5ft	12ft.	8.0	0.0	8.0	37	75	600 Btuh
15	1, Clear, 1.27, None,N,N	E	1.5ft	14ft.	108.0	0.0	108.0	37	94	10157 Btuh
16	1, Clear, 1.27, None,N,N	E	7.5ft	15ft.	20.0	0.0	20.0	37	94	1881 Btuh
	Excursion									3675 Btuh
	Window Total				399 (sqft)					34367 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	3183.2	2.1	6640 Btuh
2	Frame - Wood - Adj	13.0/0.09	438.0	1.5	661 Btuh
	Wall Total		3621 (sqft)		7300 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	18.0	9.8	176 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	38 (sqft)		372 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2800.0	1.7	4637 Btuh
	Ceiling Total		2800 (sqft)		4637 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	318 (ft(p))	0.0	0 Btuh
	Floor Total		318.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		46677 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	32556	379.8	7069 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	8	X 230 +	2400	4240 Btuh

Duct load			
	Proposed leak free, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh
		Sensible Zone Load	**57986 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

McGuire Road
Lake City, FL 32025-

Project Title:
Travis Timmons & Tere'sa Sapp

Code Only
Professional Version
Climate: North

10/17/2006

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**57986 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**57986 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**57986 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	13881 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**15481 Btuh**
	TOTAL GAIN	**73467 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

Residential Window Diversity

MidSummer

McGuire Road
Lake City, FL 32025-

Project Title:
Travis Timmons & Tere'sa Sapp

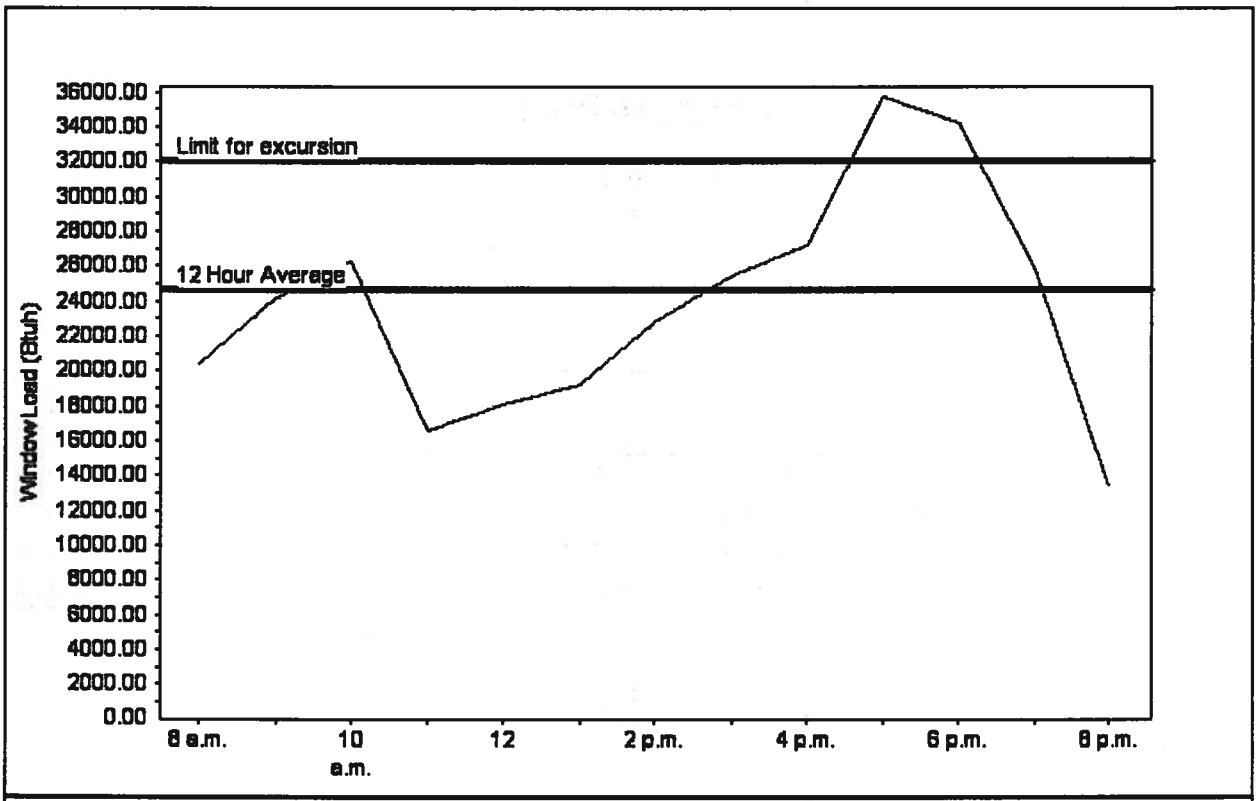
Code Only
Professional Version
Climate: North

10/17/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	24671 Btu
Summer setpoint	75 F	Peak window load for July	35748 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	32072 Btu
Latitude	29 North	Window excursion (July)	3675 Btuh

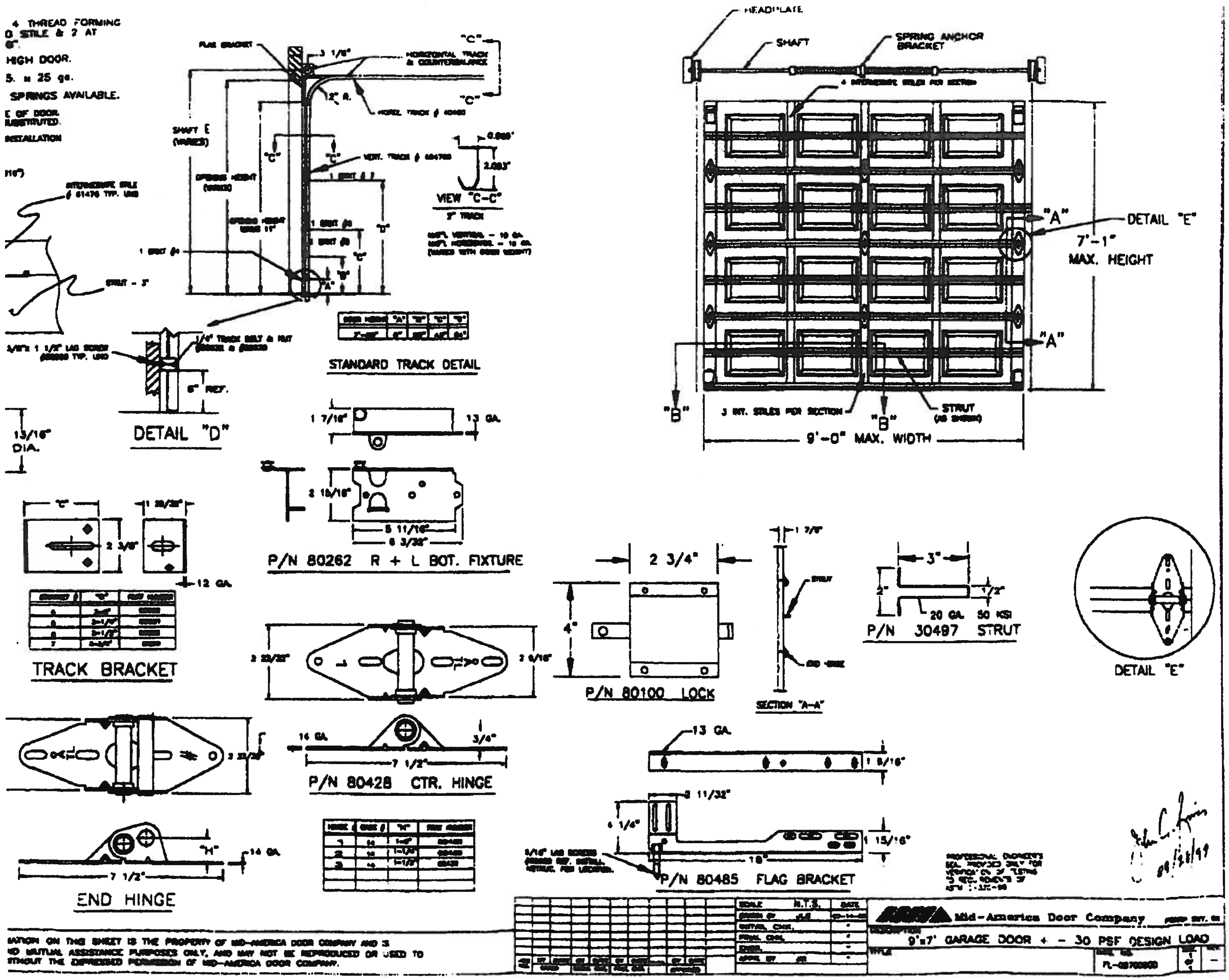
WINDOW Average and Peak Loads



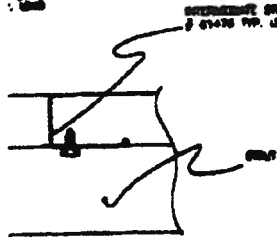
Total July Window Load(Radiation and conduction)

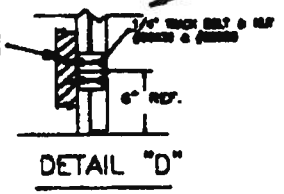
Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: _____
DATE: _____

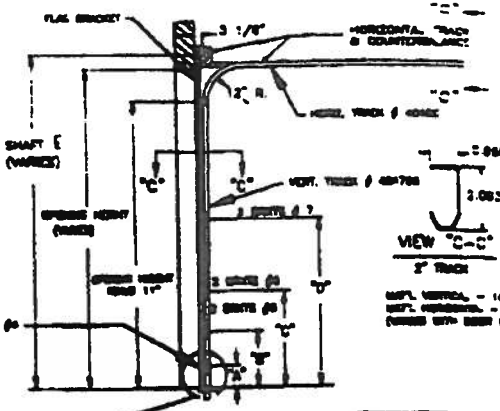

4 THREAD FORMING
D STILE & 2 AT
HIGH DOOR.
SPRINGS AVAILABLE.
INSTALLATION
SHAFT E (VARIES)
"C"
VIEW "C-C"
2" TRACK
2.083"
STANDARD TRACK DETAIL
DETAIL "D"
6" REF.
13/16" DIA.
1 7/16"
13 GA.
2 15/16"
5 11/16"
6 3/32"
P/N 80262 R + L BOT. FIXTURE
TRACK BRACKET
2 3/8"
12 GA.
2 3/4"
4"
P/N 80100 LOCK
SECTION "A-A"
1 7/8"
3"
2"
1/2"
20 GA. 50 KSI
P/N 30497 STRUT
DETAIL "E"
HEADPLATE
SHAFT
SPRING ANCHOR BRACKET
"A"
"B"
STRUT
7'-1" MAX. HEIGHT
9'-0" MAX. WIDTH
2 9/16"
14 GA.
3/4"
7 1/2"
P/N 80428 CTR. HINGE
"H"
14 GA.
END HINGE
13 GA.
1 5/16"
2 11/32"
6 1/4"
1 15/16"
18"
P/N 80485 FLAG BRACKET
N.T.S.
Mid-America Door Company
9'x7' GARAGE DOOR + - 30 PSF DESIGN LOAD

WITH 4 THREAD FORMING
EACH END STILE & 2 AT
TION "B-B".
7'-0" HIGH DOOR.
50"±20.375. 25 GA.
XTENSION SPRINGS AVAILABLE.
EACH SIDE OF DOOR
MAY BE SUBSTITUTED
TH OTHER INSTALLATION
DOOR.

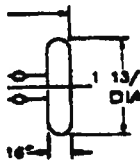




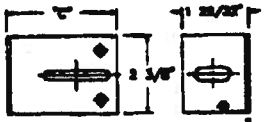
DETAIL "D"

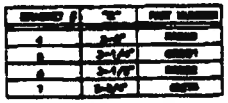


STANDARD TRACK DETAIL

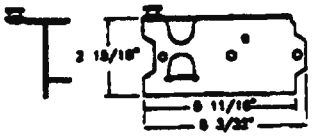


SSEMBLY

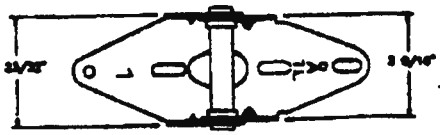


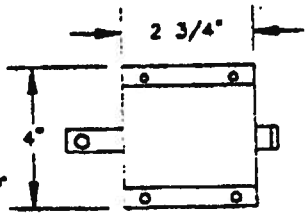


TRACK BRACKET



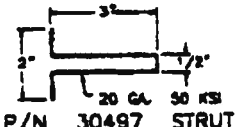
P/N 80262 R + L BOT. FIXTURE



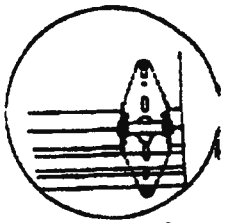


P/N 80100 LOCK

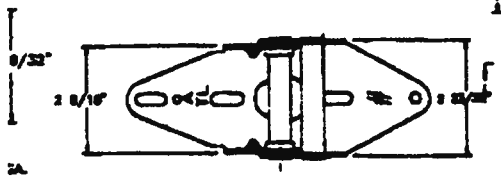
SECTION "A-A"



P/N 30497 STRUT

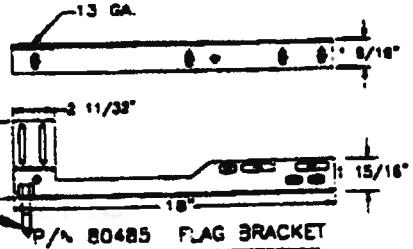


DETAIL "E"



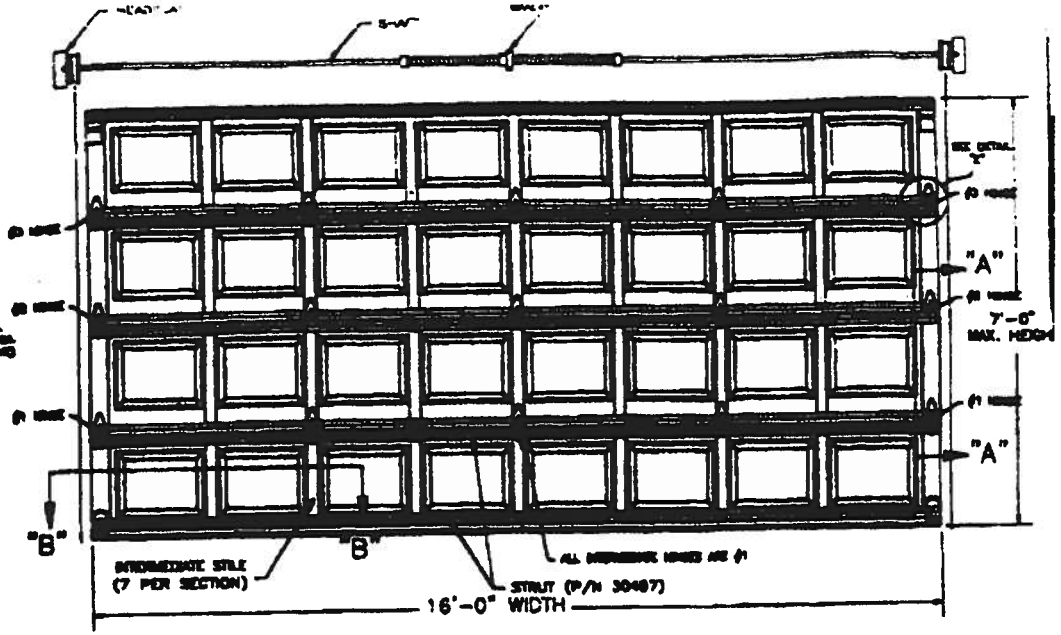
P/N 80428 CTR. HINGE

END HINGE



P/N 80485 FLAG BRACKET

XTURE



Mid-America Door Company

16'x7' GARAGE DOOR + -- 30 PSF DESIGN LO.

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 11/13/2006 **DATE ISSUED:** 11/20/2006

ENHANCED 9-1-1 ADDRESS:

323 SW MCGUIRE TER

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

19-4S-16-03065-000

Remarks:

PARENT PARCEL

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

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

494

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS	~~Jeldwen Doors~~ Plastpro Inc	Exterior Doors.	
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Jeldwen Windows	Single Hung Windows	
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	Hardy Board	Hardy Board Siding	
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	ECK	Raised Profile Shingles	
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS }	Simpson	Metal Connectors	
B. WOOD ANCHORS }			
C. TRUSS PLATES }			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Charles Thomas
APPLICANT SIGNATURE

Nov 28, 06
DATE

R-1305 01-04

CERTIFICATE OF 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 19-4S-16-03065-001 **Building permit No.** 000025277

Use Classification SFD/UTILITY **Fire:** 16.74

Permit Holder CHARLES TIMMONS **Waste:** 50.25

Owner of Building TRAVIS L. TIMMONS **Total:** 66.99

Location: 323 SW MCGUIRE TERR, LAKE CITY, FL

Date: 07/02/2007

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

#25277

Date: 12-26-06

323 SW McGuire — (Address of Treatment or Lot/Block of Treatment)

Lake City — City

Florida Pest Control & Chemical Co.

www.flapest.com

Product to be used: Bora-Care Termiticide (Wood Treatment)

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1

(Information to be provided to local building code offices prior to concrete foundation installation.)

6/05 ©

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T20487-Z0103151314

Truss Fabricator:	Anderson Truss Company
Job Identification:	6-365---- Travis Timmons -- , **
Truss Count:	99
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.24, 7.31.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 32.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 11/03/2006

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Notes:

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

Details: BRCLBSUB-CNBRGBLK-PIGBACKA-PIGBACKB-

#	Ref	Description	Drawing#	Date
1	63835	--A1	06307001	11/03/06
2	63836	--A2	06307002	11/03/06
3	63837	--A3	06307003	11/03/06
4	63838	--A4	06307004	11/03/06
5	63839	--A5	06307005	11/03/06
6	63840	--A6	06307006	11/03/06
7	63841	--A7	06307013	11/03/06
8	63842	--A8	06307011	11/03/06
9	63843	--A9	06307014	11/03/06
10	63844	--A10	06307015	11/03/06
11	63845	--A11	06307016	11/03/06
12	63846	--A12	06307017	11/03/06
13	63847	--A13	06307018	11/03/06
14	63848	--A14	06307019	11/03/06
15	63849	--B1	06307020	11/03/06
16	63850	--B2	06307021	11/03/06
17	63851	--B3	06307022	11/03/06
18	63852	--B4	06307023	11/03/06
19	63853	--B5	06307024	11/03/06
20	63854	--B6	06307025	11/03/06
21	63855	--C1	06307026	11/03/06
22	63856	--C2	06307027	11/03/06
23	63857	--C3G	06307028	11/03/06
24	63858	--D1	06307029	11/03/06
25	63859	--D2	06307030	11/03/06
26	63860	--D3	06307031	11/03/06
27	63861	--D4	06307032	11/03/06
28	63862	--FGC	06307033	11/03/06
29	63863	--HJ7	06307034	11/03/06
30	63864	--EJ7	06307035	11/03/06
31	63865	--J5	06307036	11/03/06
32	63866	--J3	06307037	11/03/06
33	63867	--J1	06307008	11/03/06
34	63868	--HJ5	06307038	11/03/06
35	63869	--EJ5	06307039	11/03/06
36	63870	--HJ3	06307009	11/03/06
37	63871	--EJ3	06307007	11/03/06
38	63872	--HJC1	06307040	11/03/06
39	63873	--HJC2	06307041	11/03/06
40	63874	--EJC1	06307042	11/03/06
41	63875	--EJC2	06307043	11/03/06
42	63876	--EJC3	06307044	11/03/06
43	63877	--EJC4	06307045	11/03/06
44	63878	--J5C	06307046	11/03/06
45	63879	--J5CC	06307047	11/03/06
46	63880	--J5CCC	06307048	11/03/06
47	63881	--J3C	06307049	11/03/06
48	63882	--J3CC	06307050	11/03/06
49	63883	--J3CCC	06307051	11/03/06
50	63884	--J1C	06307052	11/03/06
51	63885	--HJD	06307053	11/03/06
52	63886	--EJD	06307054	11/03/06
53	63887	--J5D	06307055	11/03/06
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55	63889	--MDG	06307057	11/03/06
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61	63895	--JR4	06307063	11/03/06
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63	63897	--Z2G	06307012	11/03/06
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71	63905	--01-GE	06307068	11/03/06
72	63906	--02	06307100	11/03/06
73	63907	--AP1	06307069	11/03/06
74	63908	--AP2	06307070	11/03/06
75	63909	--AP3	06307071	11/03/06
76	63910	--AP4	06307072	11/03/06
77	63911	--AP5	06307073	11/03/06
78	63912	--AP6	06307074	11/03/06
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80	63914	--BP2	06307076	11/03/06
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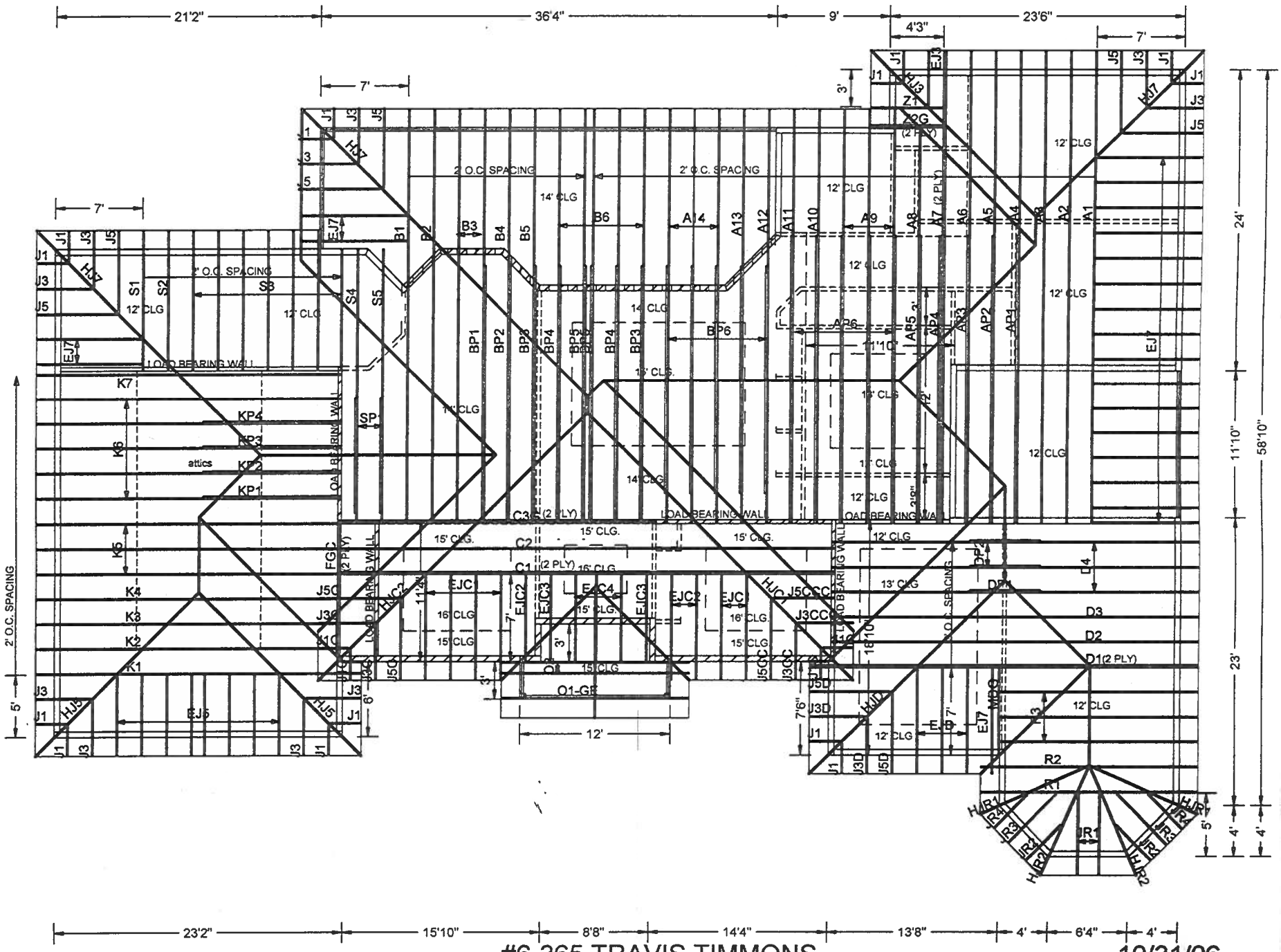
82	63916	--BP4	06307078	11/03/06
83	63917	--BP5	06307079	11/03/06
84	63918	--BP6	06307080	11/03/06
85	63919	--DP1	06307081	11/03/06
86	63920	--DP2	06307082	11/03/06
87	63921	--KP1	06307083	11/03/06
88	63922	--KP2	06307084	11/03/06
89	63923	--KP3	06307085	11/03/06
90	63924	--KP4	06307086	11/03/06
91	63925	--SP1	06307087	11/03/06
92	63926	--R1	06307088	11/03/06
93	63927	--R2	06307089	11/03/06
94	63928	--R3	06307090	11/03/06
95	63929	--S1	06307091	11/03/06
96	63930	--S2	06307092	11/03/06
97	63931	--S3	06307093	11/03/06
98	63932	--S4	06307094	11/03/06
99	63933	--S5	06307095	11/03/06



#6-365 TRAVIS TIMMONS 10/31/06

Scale 3/32" = 1'

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(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.

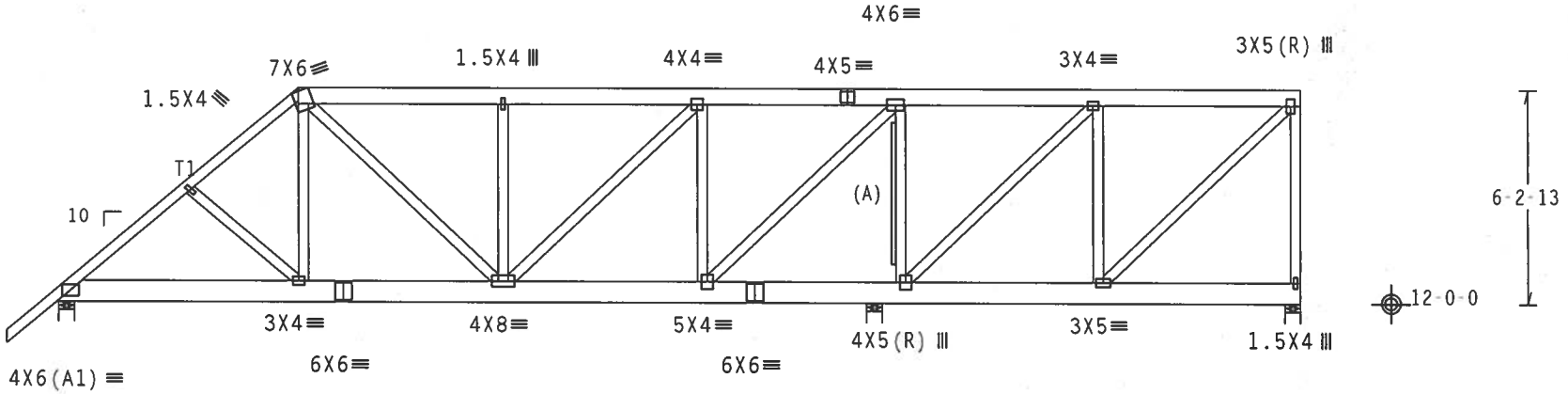
#1 hip supports 7-0-0 jacks with no webs.

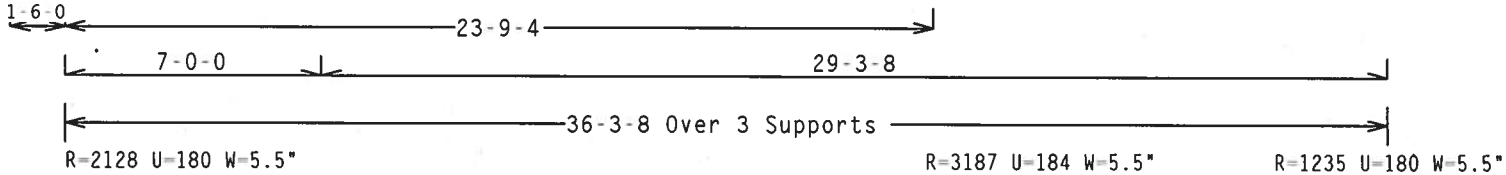
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] TY:1 FL/-/4/-/-/R/-
Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No.59837 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R487-- 63835
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307001
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135799
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

(6-365---- Travis Timmons -- , ** - A2)

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

Wind reactions based on MWFRS pressures.

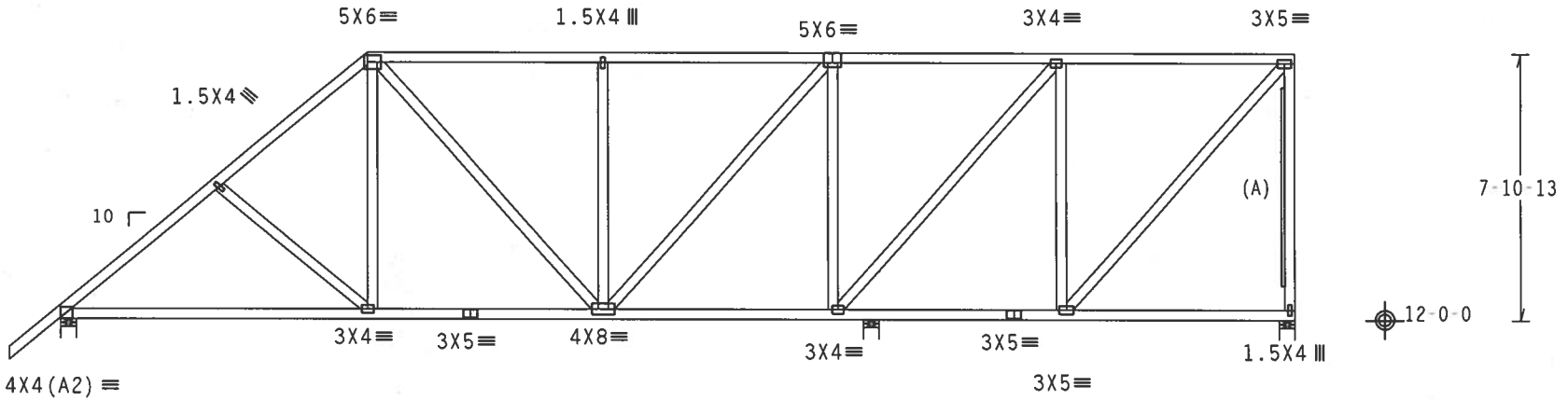
(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

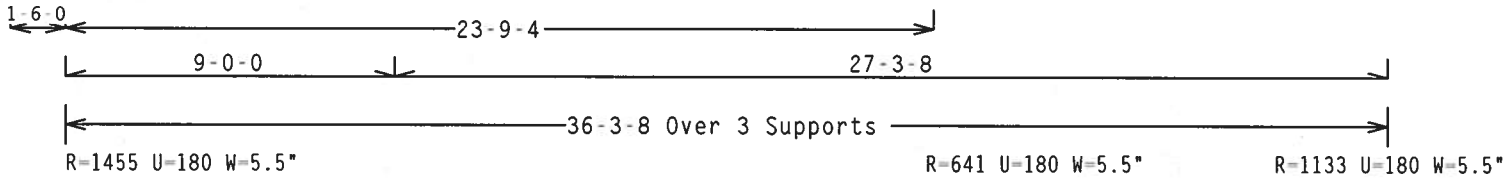
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.53 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.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R487-- 63836
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307002
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135780
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

Wind reactions based on MWFRS pressures.

(B) 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.

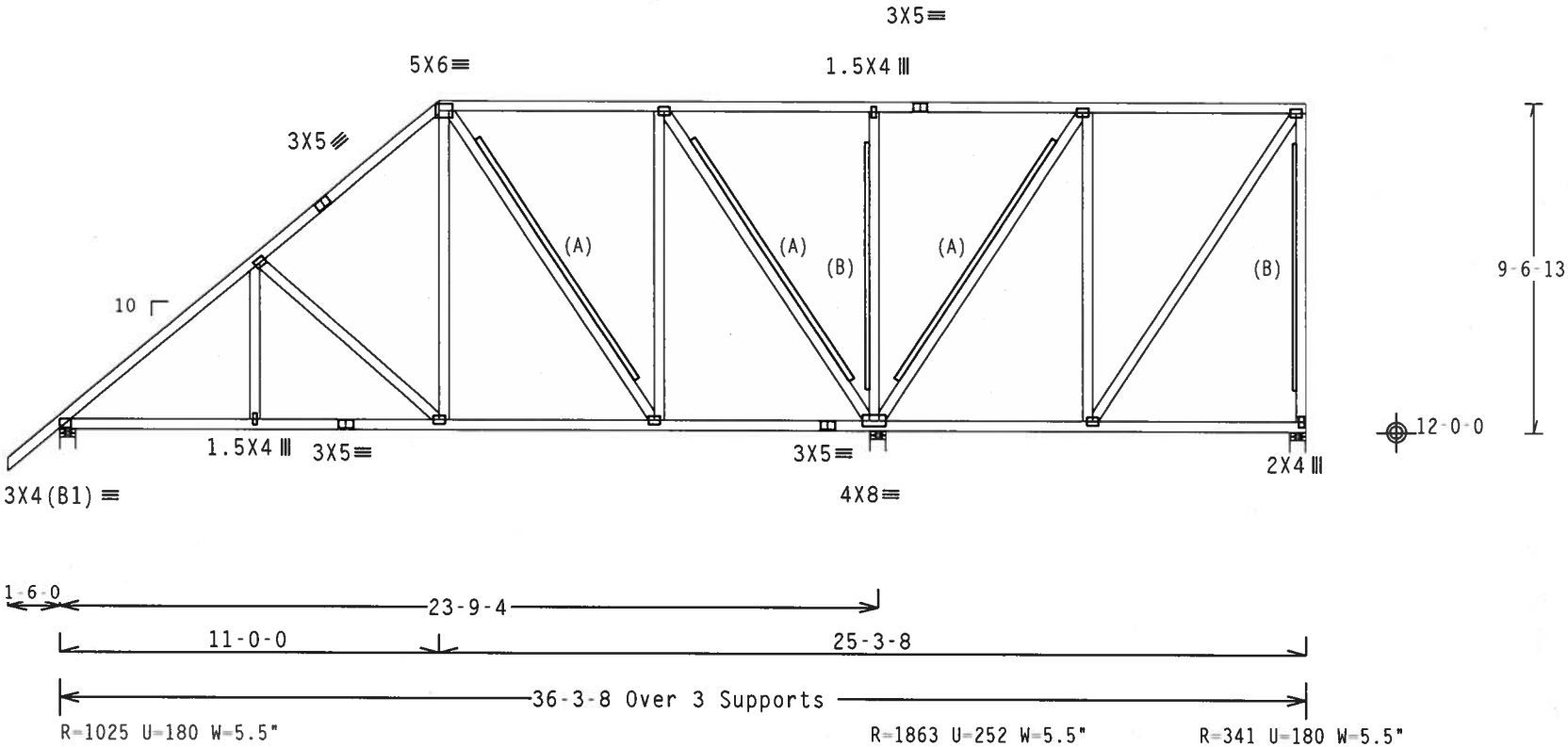
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 16.36 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63837
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307003
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135776
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

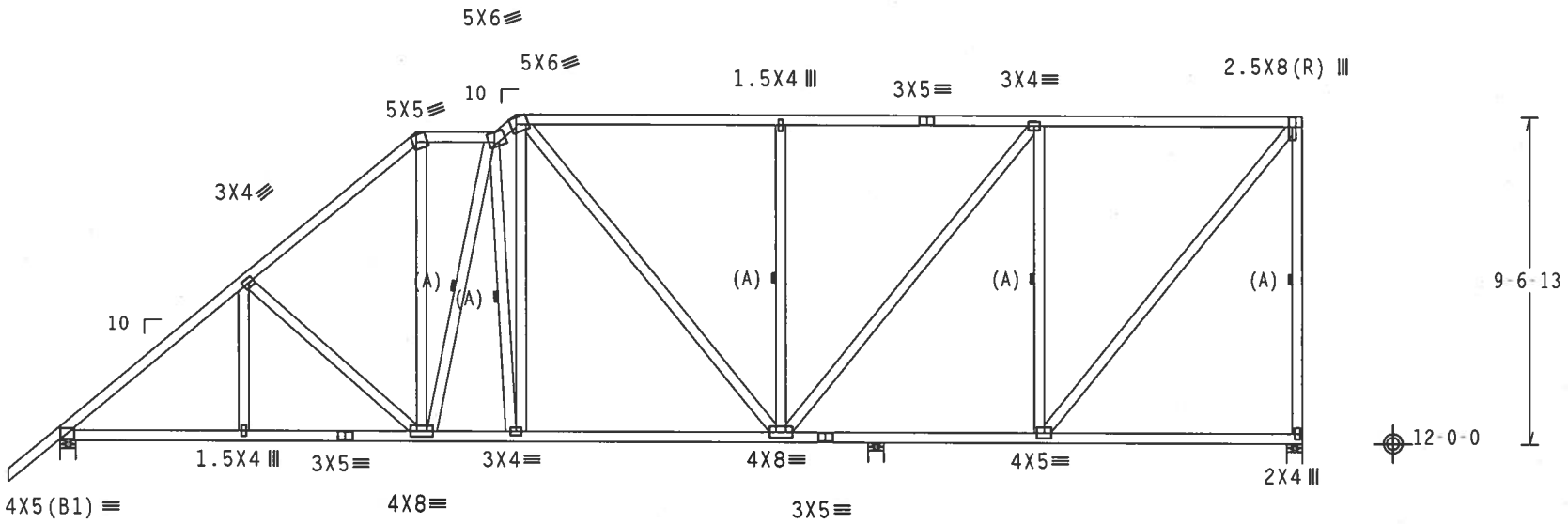
(A) Continuous lateral bracing equally spaced on member.

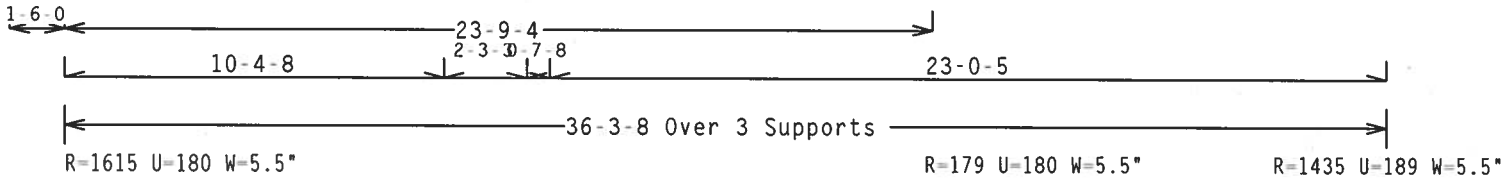
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.36 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.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63838
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307004
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135773
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

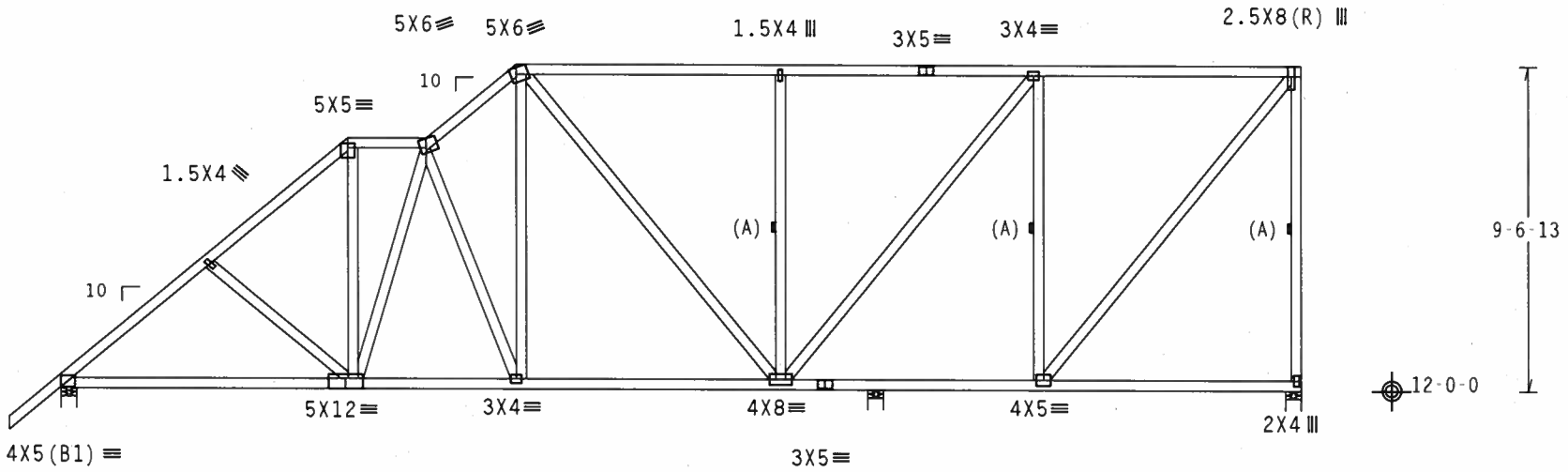
(A) Continuous lateral bracing equally spaced on member.

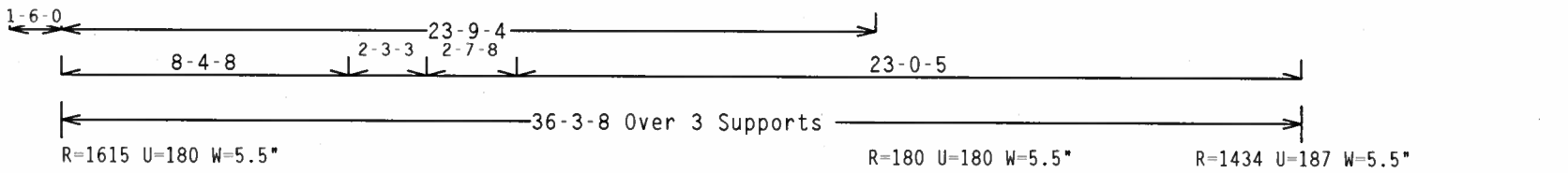
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.36 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.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63839
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307005
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135765
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

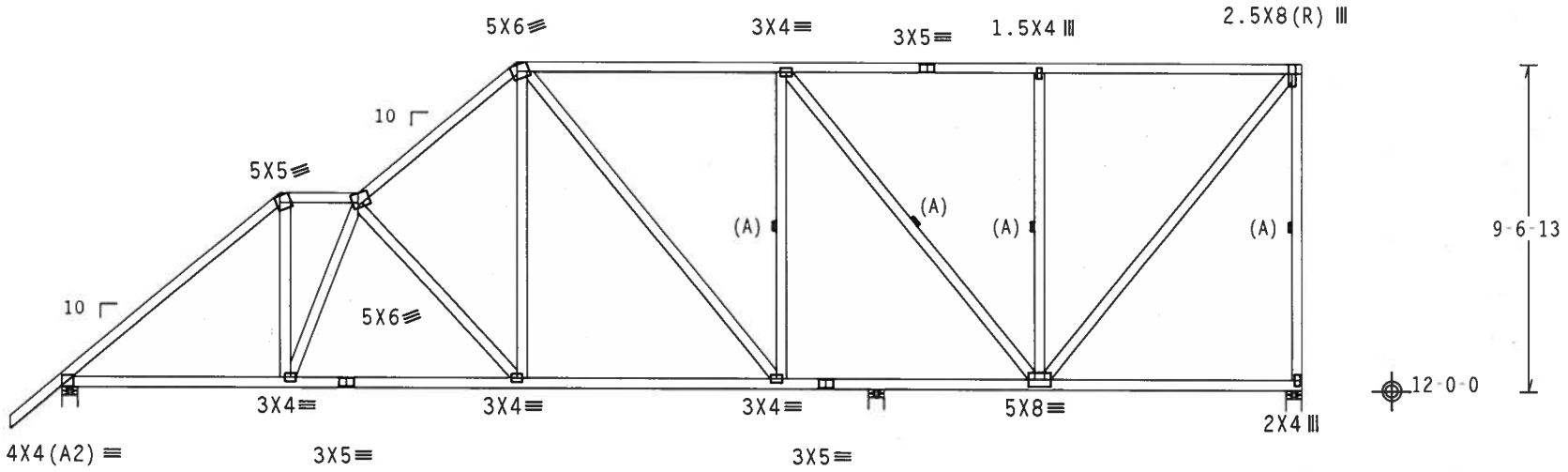
(A) Continuous lateral bracing equally spaced on member.

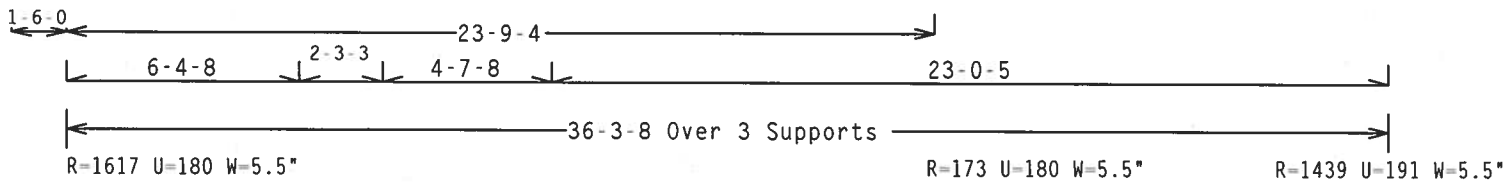
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.36 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.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]TY:1 FL/-/4/-/-/R/-

Scale =.1875"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Nov 0[illegible]06

TC LL	20.0 PSF	REF	R487-- 63840
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307006
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135757
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B1 2x8 SP #1 Dense:
Webs 2x4 SP #3

SPECIAL LOADS
-------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at -1.50 to 66 PLF at 36.29
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 36.29
BC - 264 LB Conc. Load at 3.06
BC - 913 LB Conc. Load at 4.54

Wind reactions based on MWFRS pressures.

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

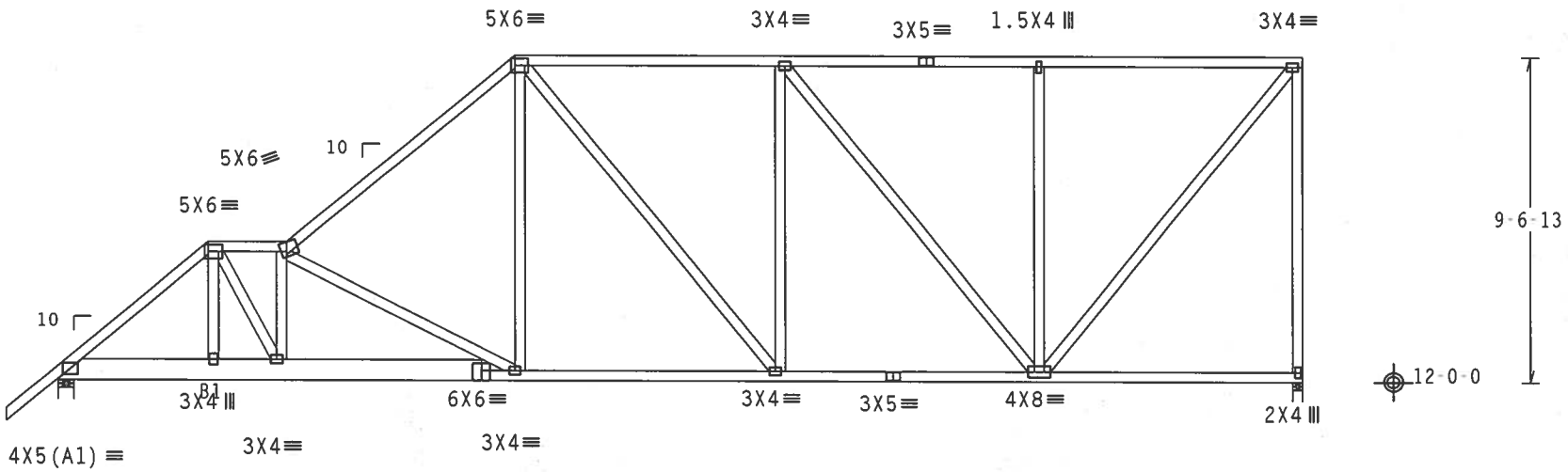
2 COMPLETE TRUSSES REQUIRED

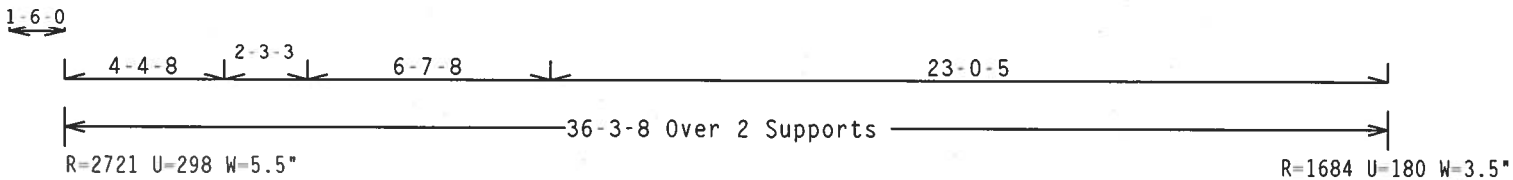
Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 16.36 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 6567

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63841
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307013
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135750
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - A8)

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

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

(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.

(C) 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. or (1) continuous lateral brace equally spaced on member.

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

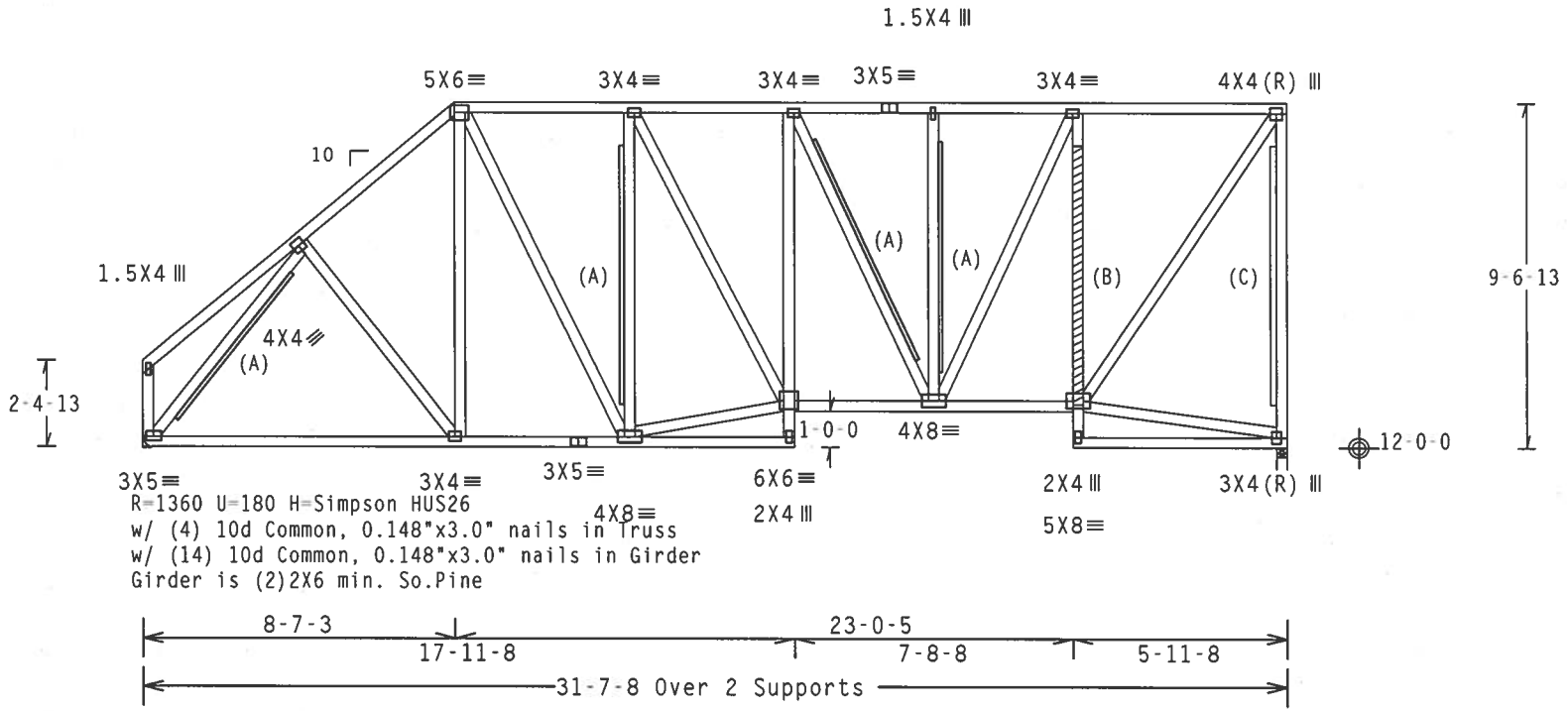
110 mph wind, 17.98 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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) 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. or (1) continuous lateral brace equally spaced on member.

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



R=1360 U=221 W=3.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 8 '06

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R487-- 63842
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307011
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135729
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

(A) 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. or (1) continuous lateral brace equally spaced on member.

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

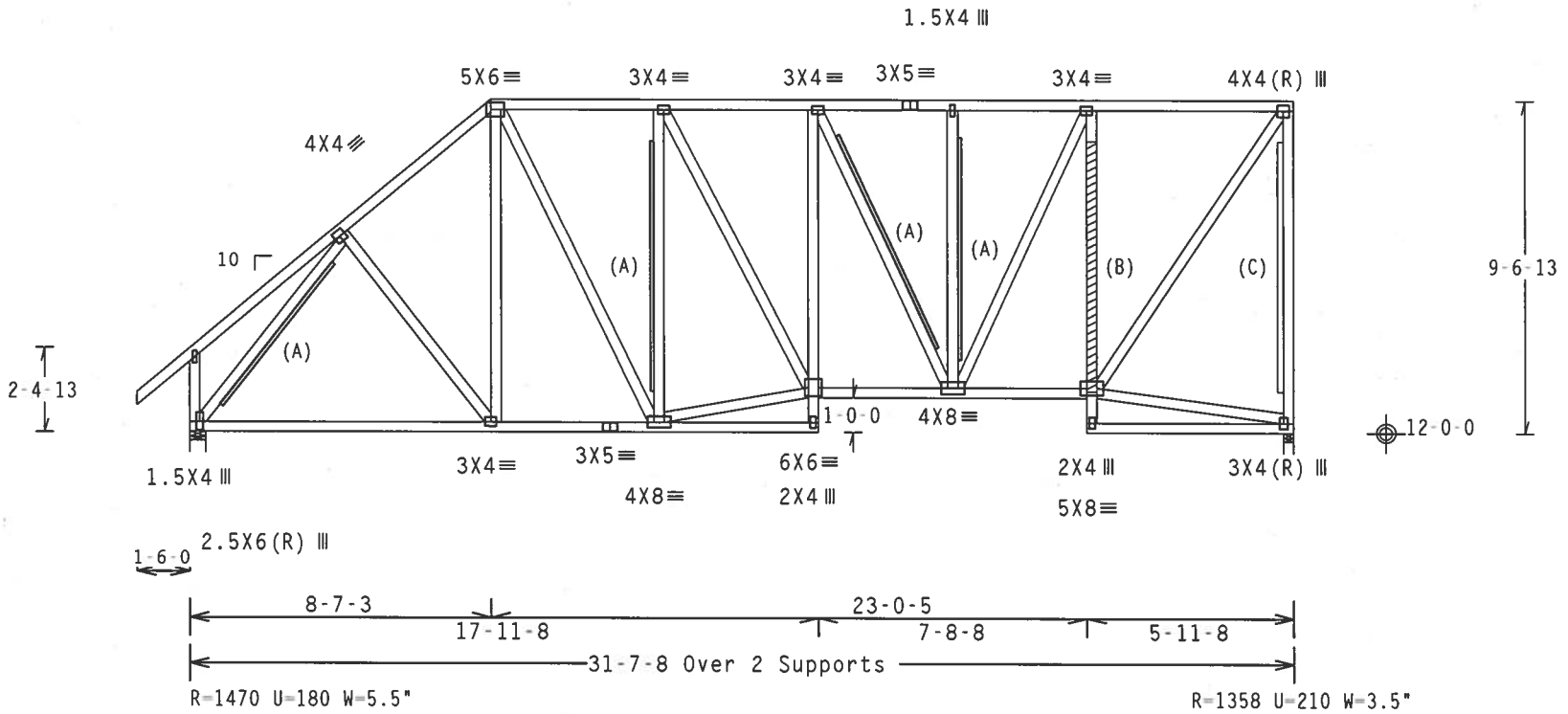
110 mph wind, 17.36 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(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.

(C) 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. or (1) continuous lateral brace equally spaced on member.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ARTHUR B. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

ALPINE
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Haines City, FL 33844

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TC LL	20.0 PSF	REF	R487-- 63843
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307014
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135709
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

(A) 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. or (1) continuous lateral brace equally spaced on member.

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

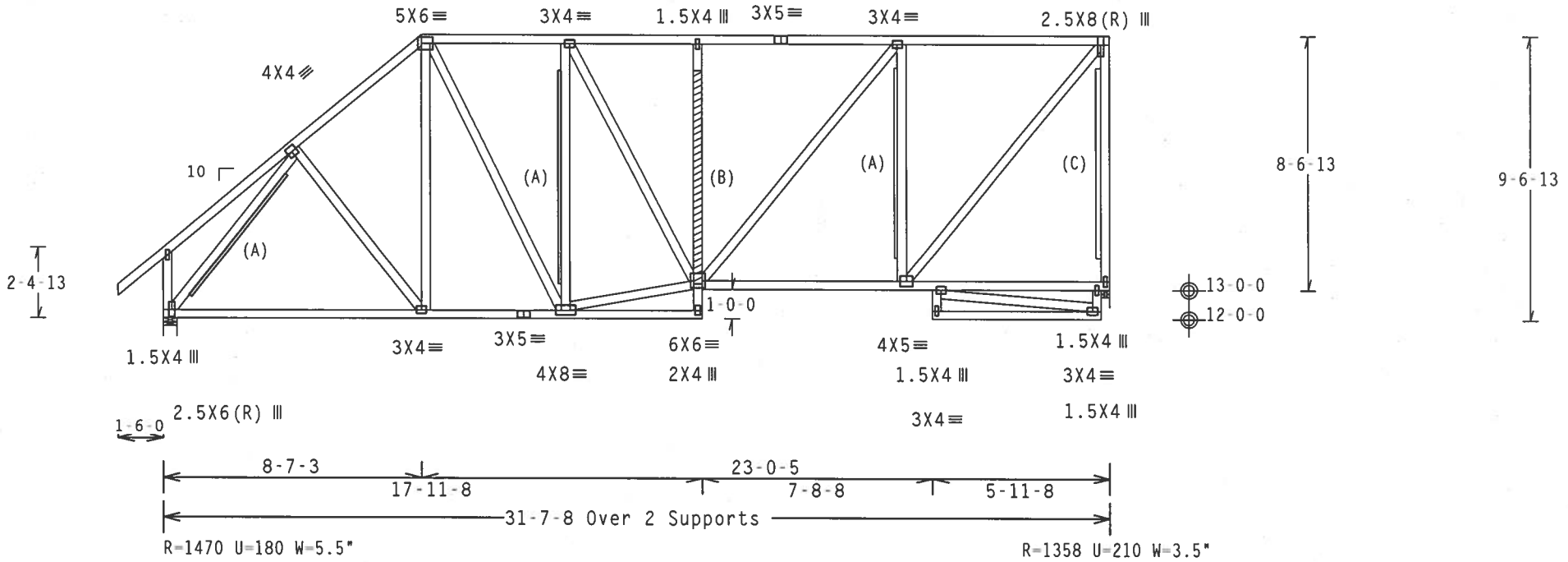
NOTE:LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 2'0" O.C. MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 17.36 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.

(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.

(C) 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. or (1) continuous lateral brace equally spaced on member.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

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TC LL	20.0 PSF	REF	R487-- 63844
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307015
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135722
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

(A) Continuous lateral bracing equally spaced on member.

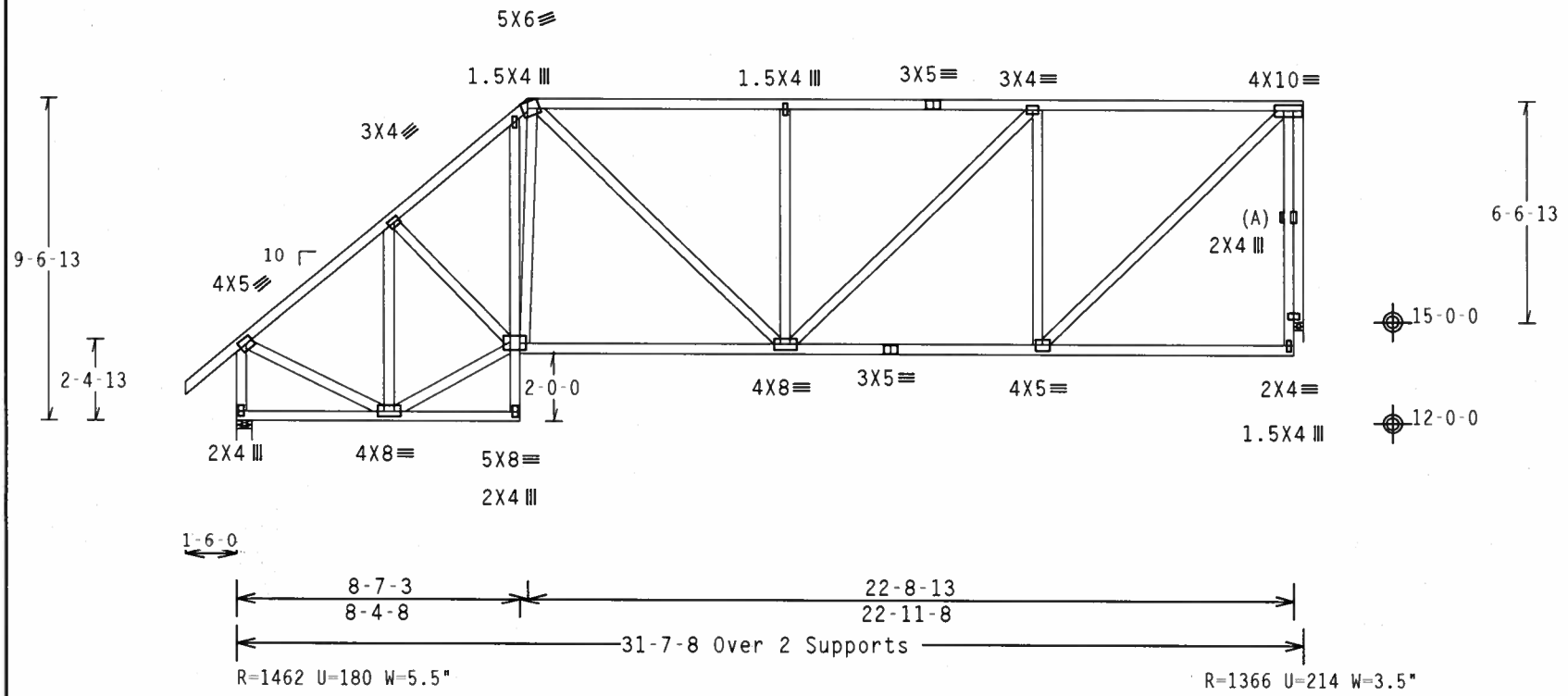
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 17.36 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.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63845
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307016
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135696
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

(A) Continuous lateral bracing equally spaced on member.

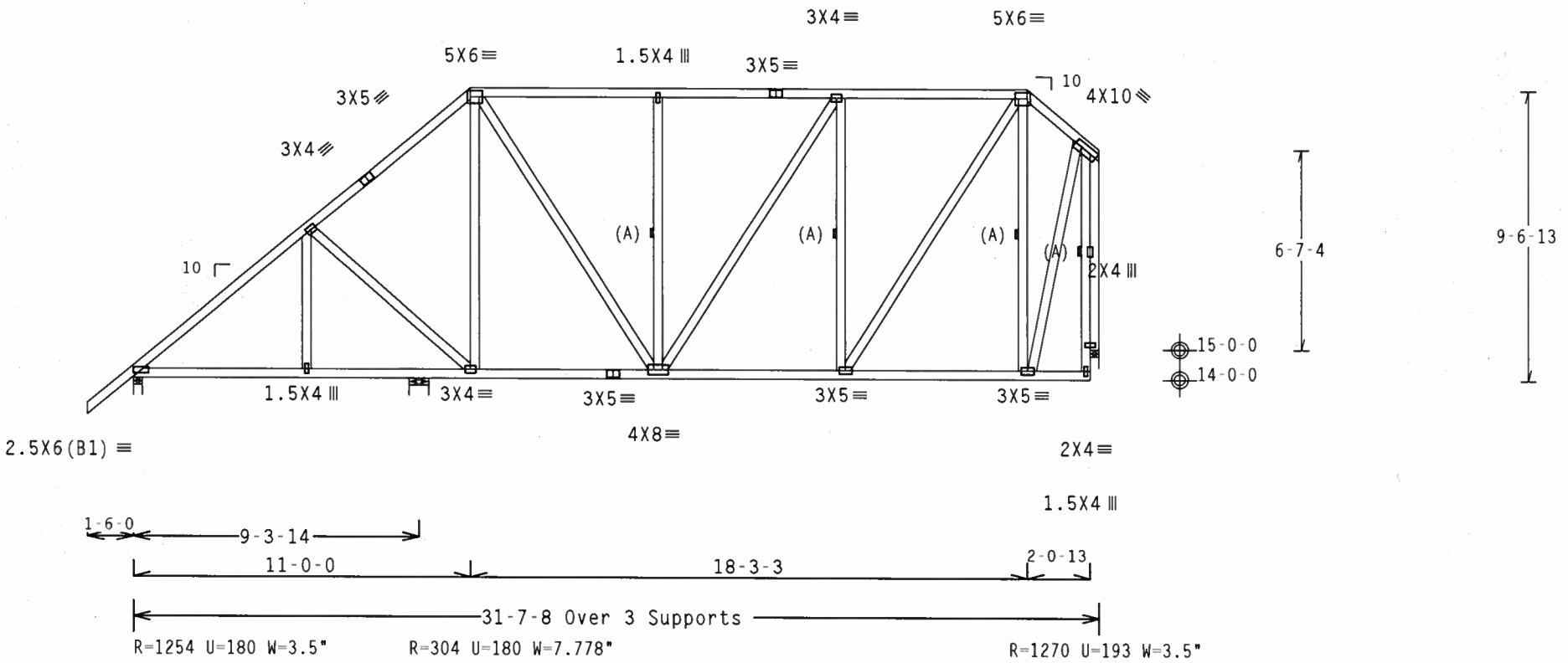
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 18.36 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.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63846
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307017
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135593 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

(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.

(D) 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.

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

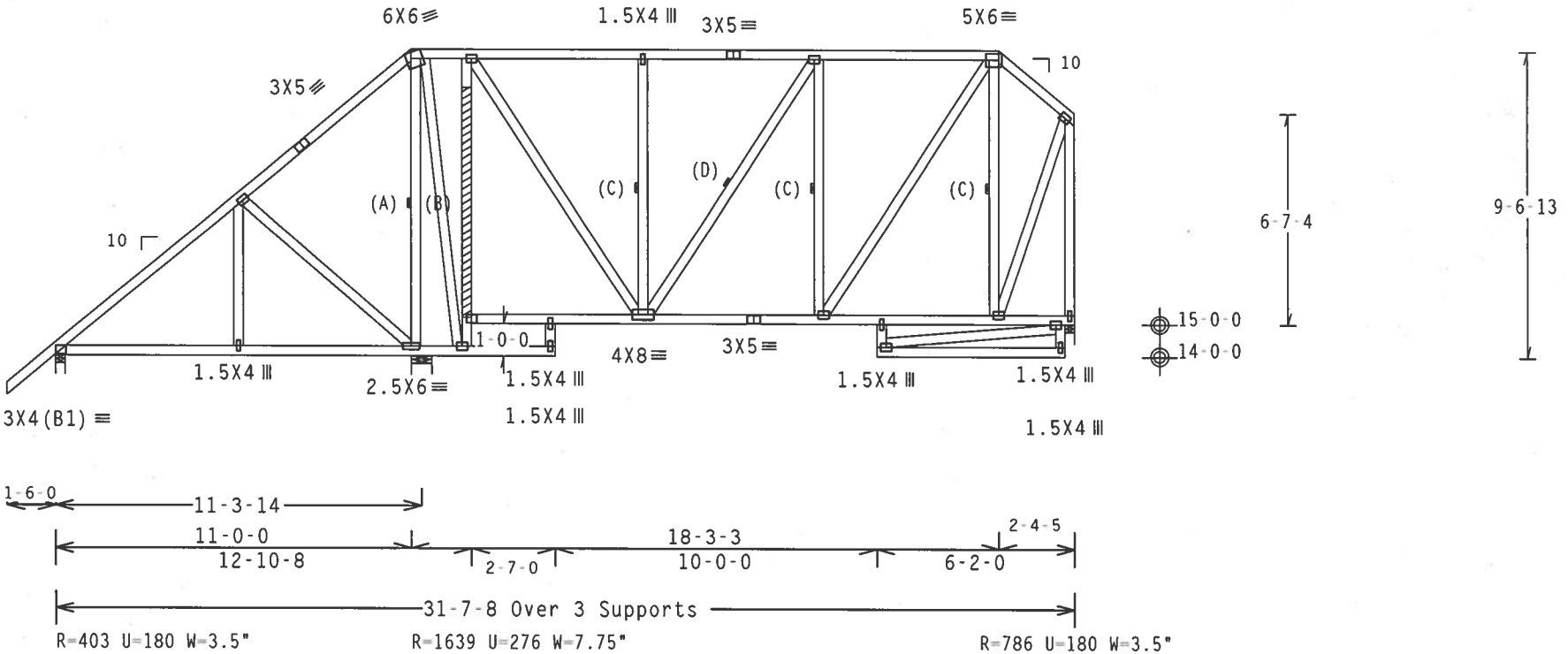
NOTE:LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 2'0" O.C. MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 18.36 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.

(C) 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.

(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.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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Nov 03 '06

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TC LL	20.0 PSF	REF	R487-- 63847
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307018
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135581
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

(6-365---- Travis Timmons -- , ** - A14)

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

Wind reactions based on MWFRS pressures.

(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.

(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.

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110 mph wind, 18.36 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member. 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.

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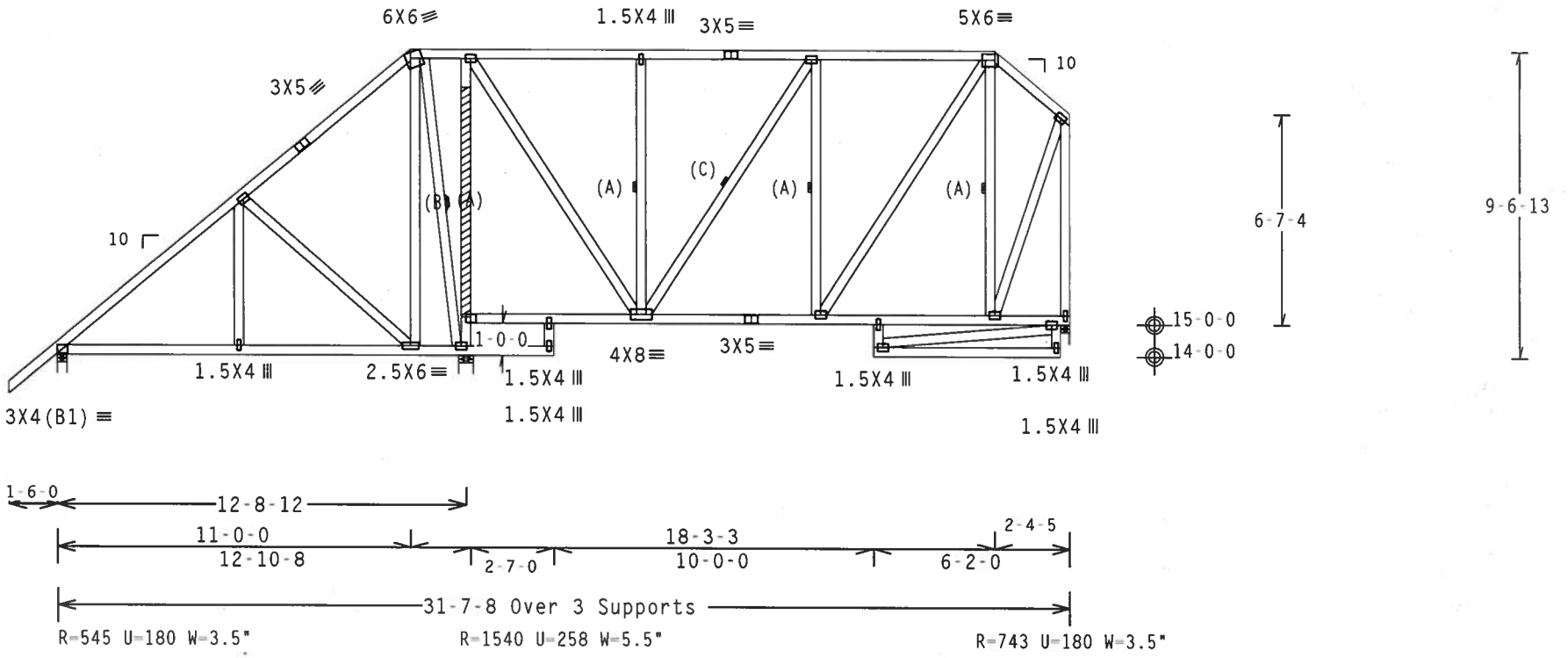

Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cg/RT=1.00(1.25)/10(0) 7.24.13 KEY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOV 13 '06

ALPINE

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Certificate of Authorization #

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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 TPI1; 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R487-- 63848
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307019
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135586
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

(6-365---- Travis Timmons -- , ** - B1)

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

110 mph wind, 16.69 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.

Wind reactions based on MWFRS pressures.

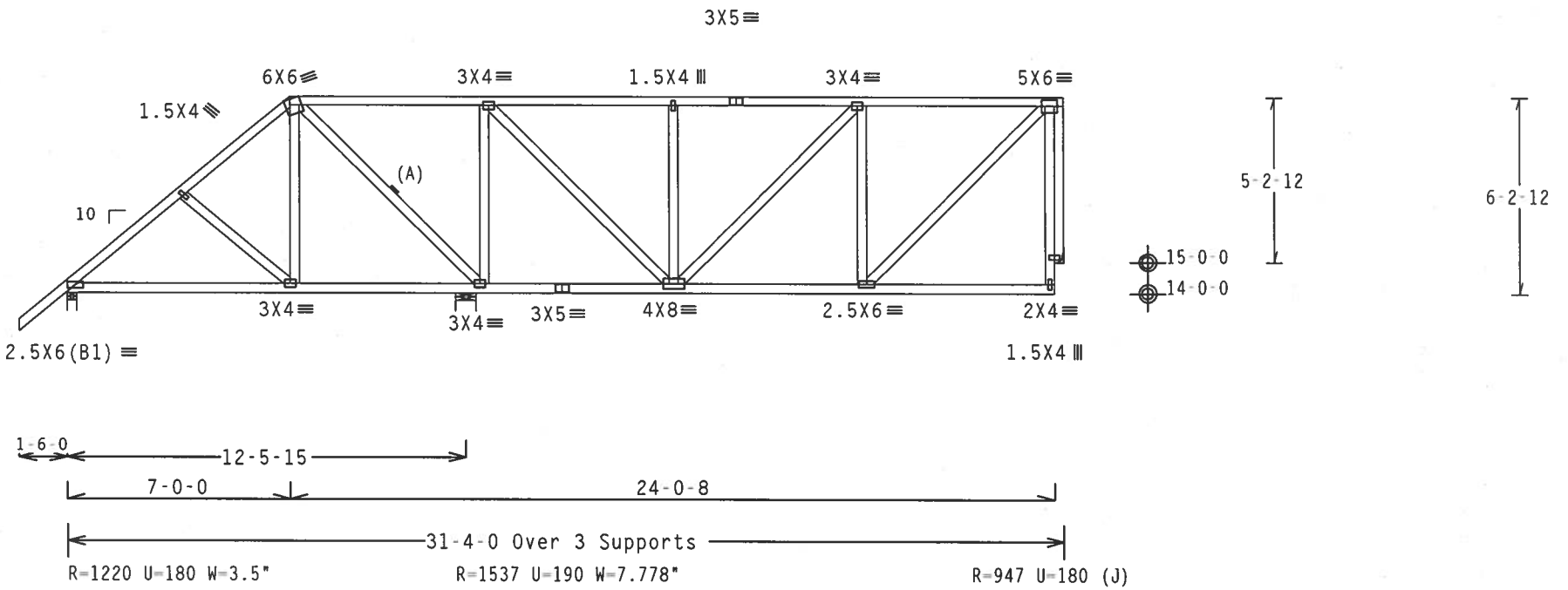
(A) Continuous lateral bracing equally spaced on member.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at -1.50 to 66 PLF at 31.33
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 31.04
TC - 199 LB Conc. Load at 7.06, 9.06
BC - 427 LB Conc. Load at 7.00
BC - 82 LB Conc. Load at 9.06

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63849
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307020
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135487
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

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

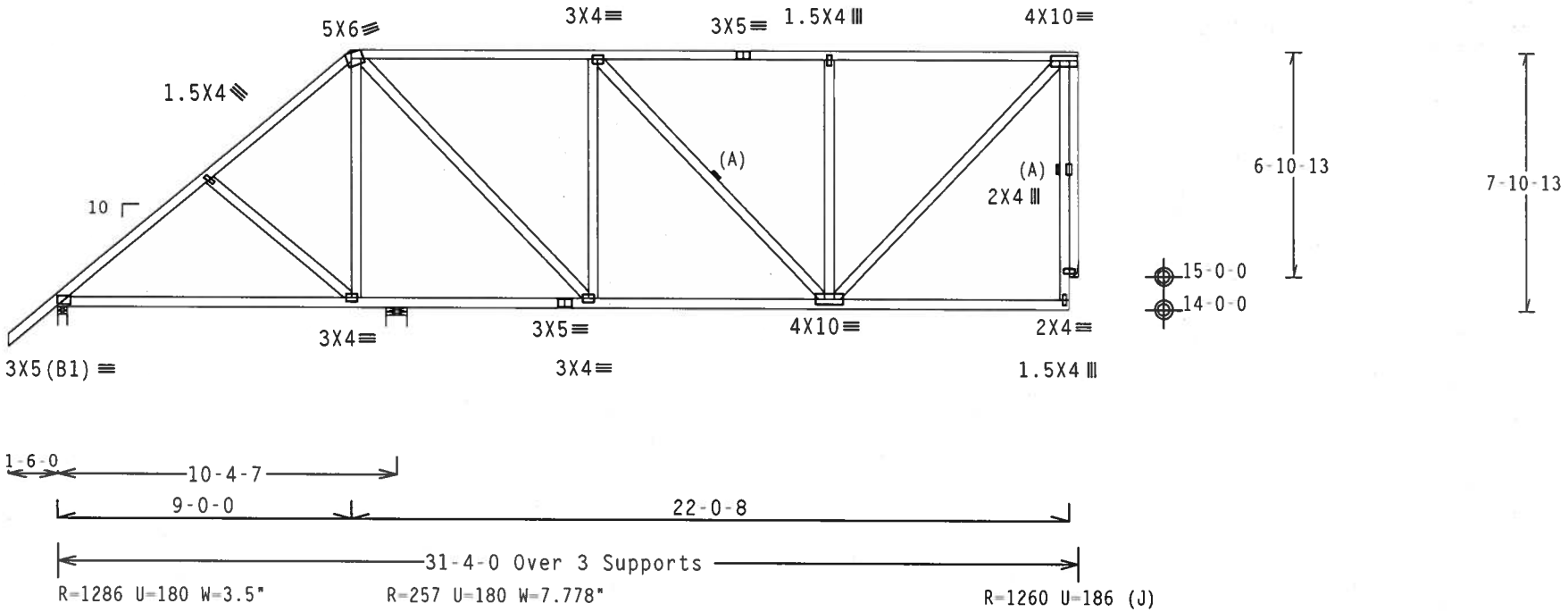
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 17.52 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.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-
Scale =.1875"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 667

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

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 13 '06

TC LL	20.0 PSF	REF	R487-- 63850
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307021
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135497
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

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

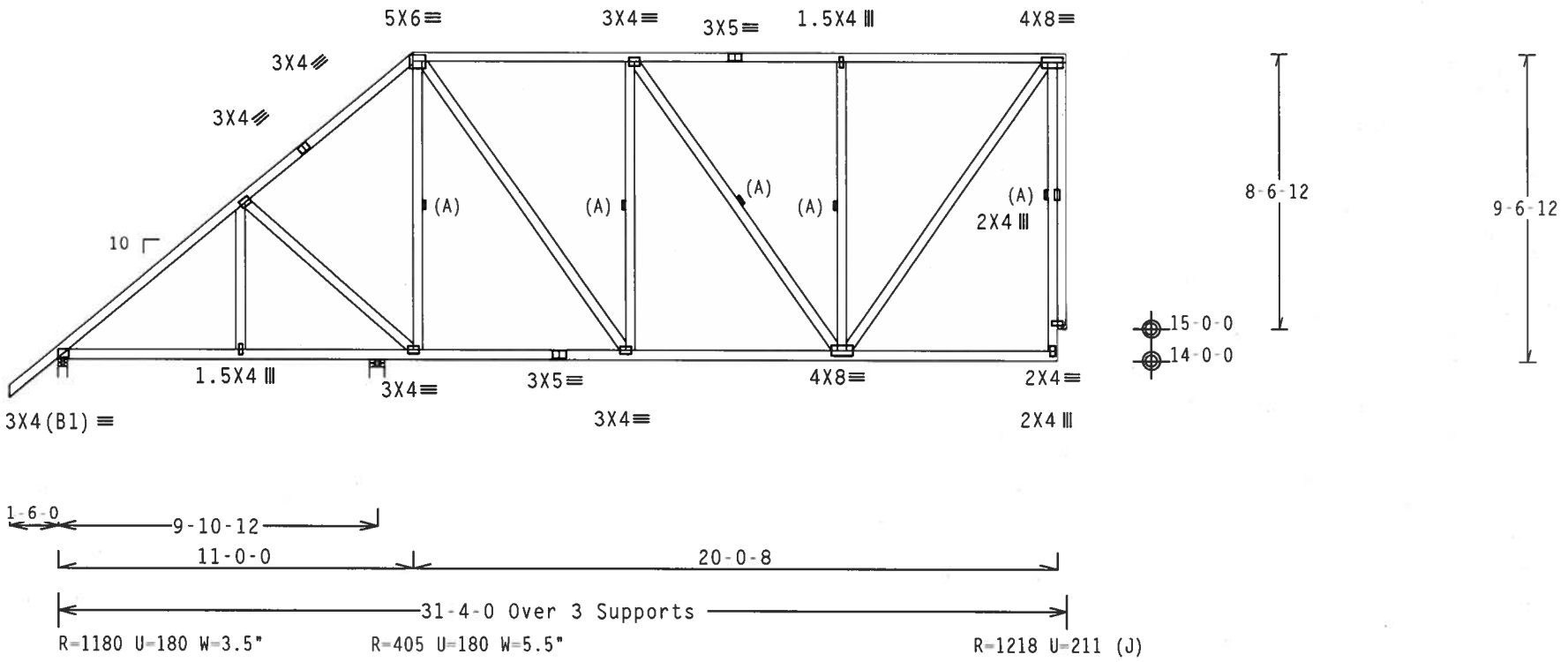
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 18.36 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.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 '06

TC LL	20.0 PSF	REF R487-- 63851
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307022
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135516
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

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

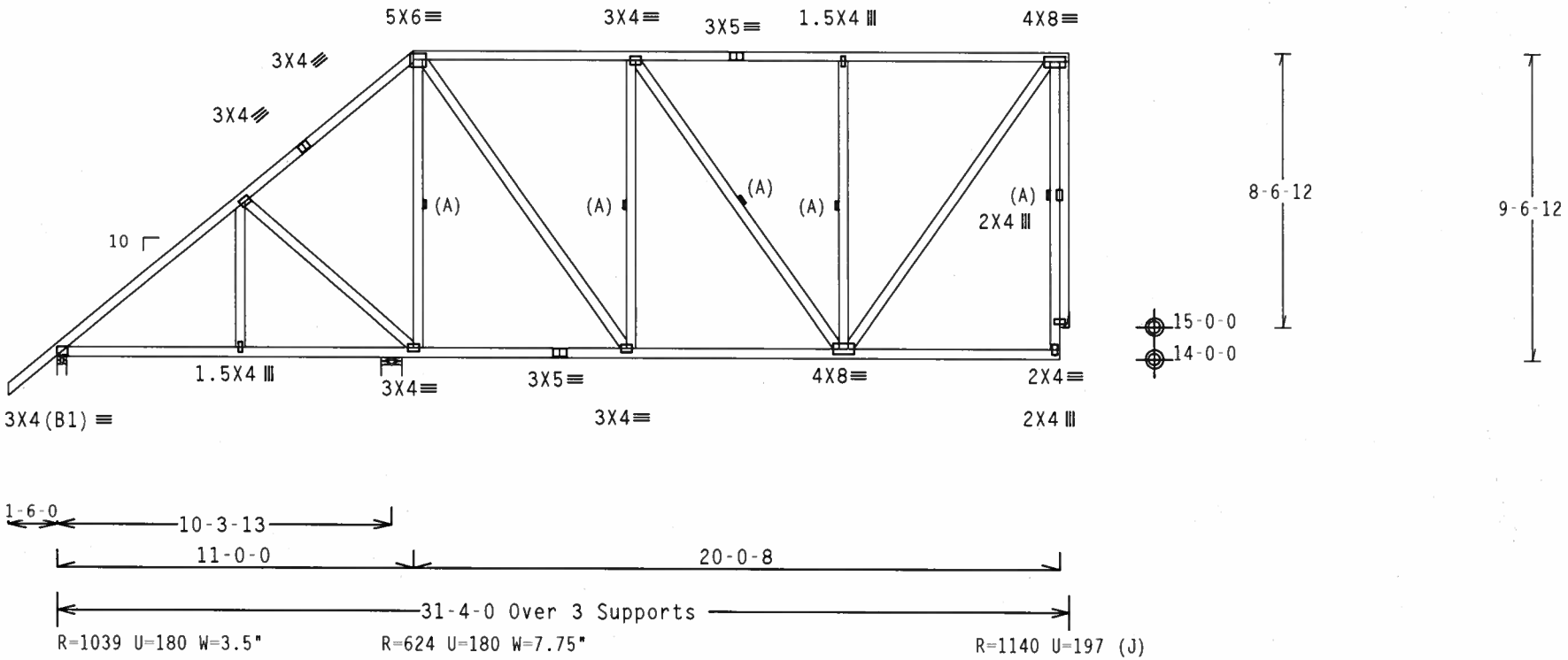
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 18.36 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.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization # 647

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63852
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307023
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135531
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

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

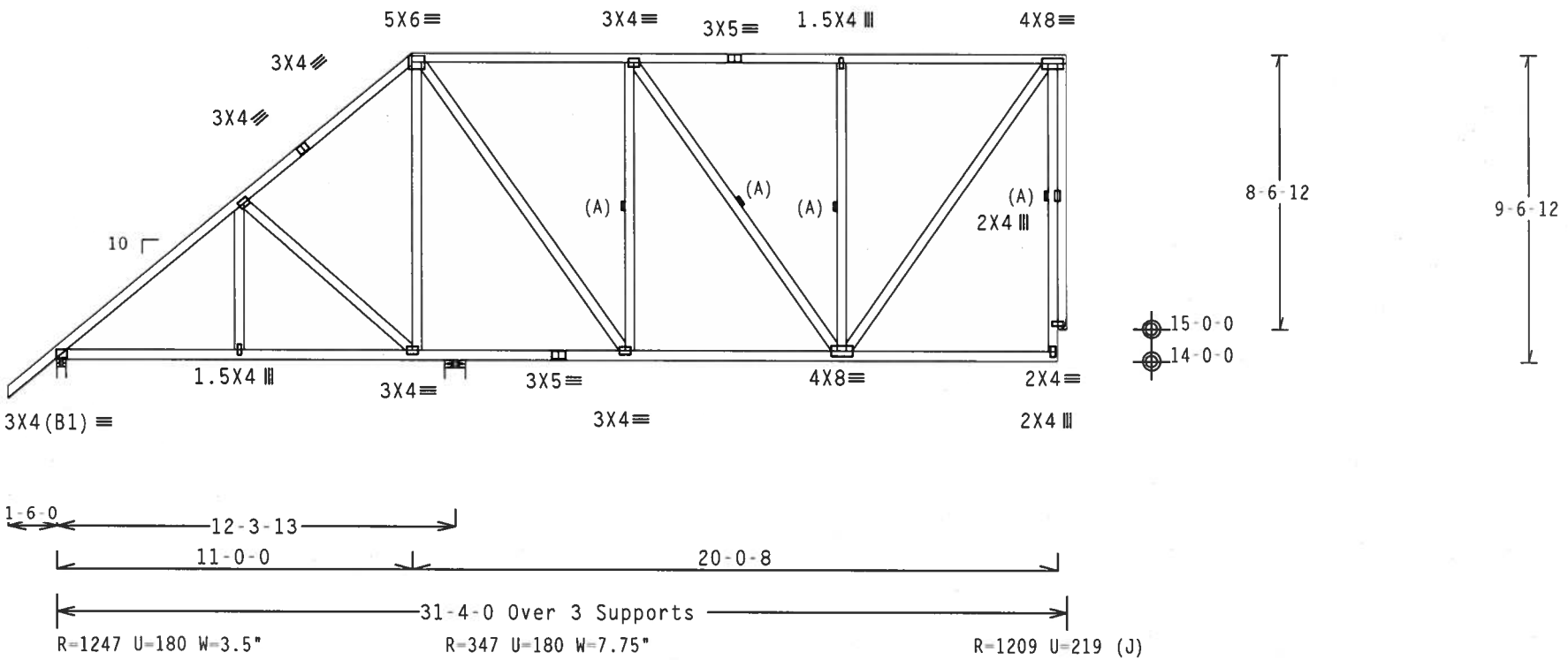
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 18.36 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.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63853
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307024
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135541
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - B6)

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

Wind reactions based on MWFRS pressures.

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.

(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.

NOTE:LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 2'0" O.C. MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

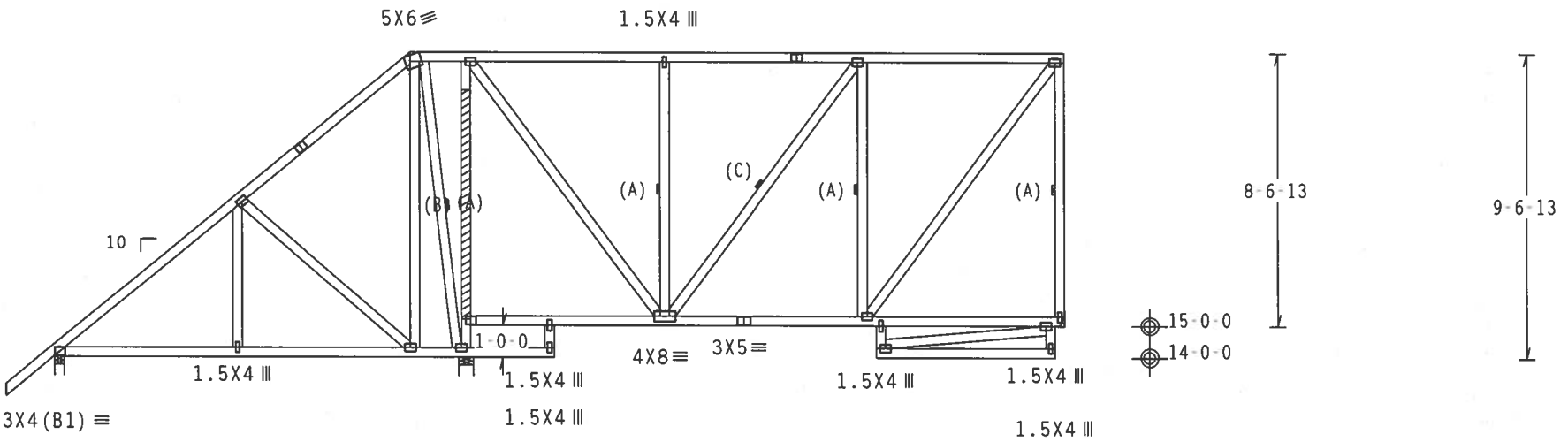
110 mph wind, 18.36 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

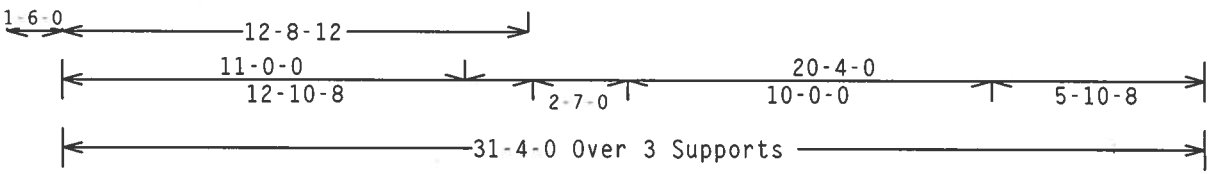
Right end vertical not exposed to wind pressure.

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





Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/-

Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 08 06

ALPINE

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

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

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TC LL	20.0 PSF	REF	R487-- 63854
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307025
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135553
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2 :B1, B4, B5 2x4 SP #2 Dense:
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x6 SP #2:

SPECIAL LOADS
-------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 39.75
BC - From 20 PLF at 0.00 to 20 PLF at 37.46
BC - From 22 PLF at 37.46 to 22 PLF at 39.75
TC - 285 LB Conc. Load at 7.00
TC - 135 LB Conc. Load at 9.00, 11.00, 13.00, 30.75
TC - 202 LB Conc. Load at 15.00, 26.75, 28.75
TC - 50 LB Conc. Load at 17.00, 24.75
TC - 30 LB Conc. Load at 19.00, 20.75, 22.75
TC - 492 LB Conc. Load at 32.75
BC - 339 LB Conc. Load at 7.00
BC - 154 LB Conc. Load at 9.00, 11.00, 13.00, 30.75
BC - 87 LB Conc. Load at 15.00, 26.75, 28.75
BC - 29 LB Conc. Load at 16.97, 24.75
BC - 13 LB Conc. Load at 19.00, 20.75, 22.75
BC - 451 LB Conc. Load at 32.75

NOTE:LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 2'0" O.C.
MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

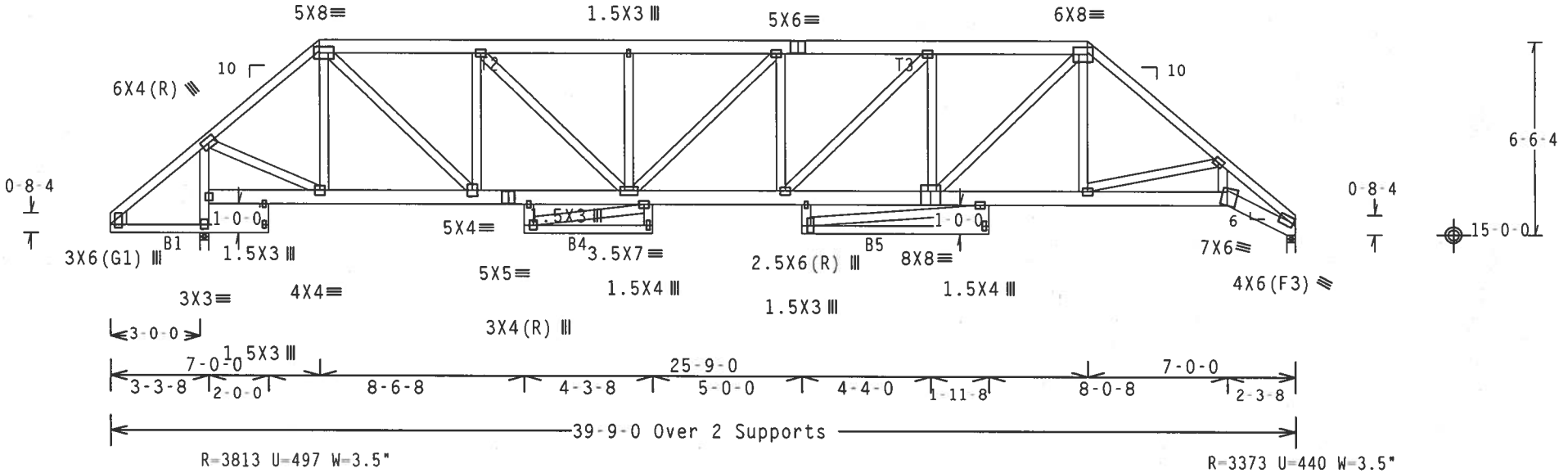
2 COMPLETE TRUSSES REQUIRED

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

110 mph wind, 18.60 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.

Wind reactions based on MWFRS pressures.

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.31.08 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63855
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307026
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	12988 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B7 2x6 SP #2:
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x6 SP #2:

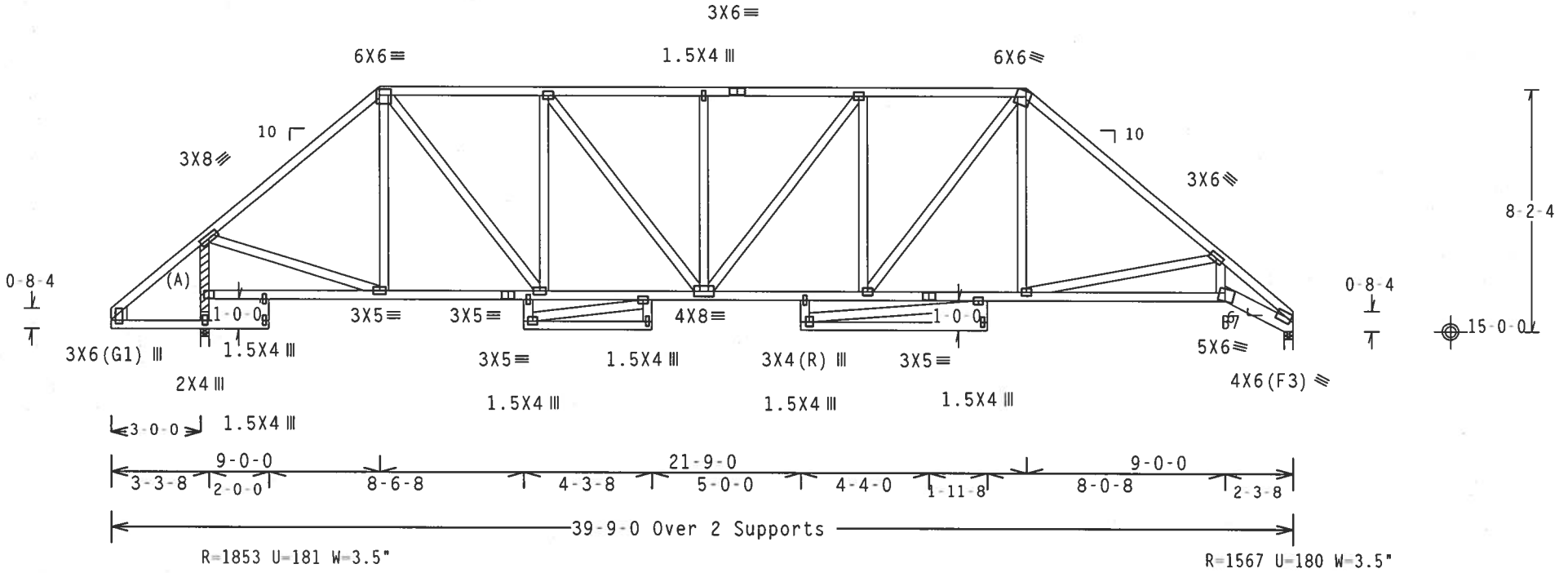
(A) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

NOTE:LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 2'0" O.C. MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 19.44 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.

Wind reactions based on MWFRS pressures.

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cg/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63856
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307027
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135213
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 25.13
BC - From 20 PLF at 0.00 to 20 PLF at 25.13
BC - 926 LB Conc. Load at 1.22
BC - 822 LB Conc. Load at 3.22
BC - 947 LB Conc. Load at 5.22
BC - 1260 LB Conc. Load at 7.22
BC - 1218 LB Conc. Load at 9.22, 11.22
BC - 1140 LB Conc. Load at 13.22
BC - 1209 LB Conc. Load at 15.22
BC - 726 LB Conc. Load at 17.22, 19.22, 19.94, 21.94, 23.94

Wind reactions based on MWFRS pressures.

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 12d_Common_(0.148"x3.25",_min.)_nails

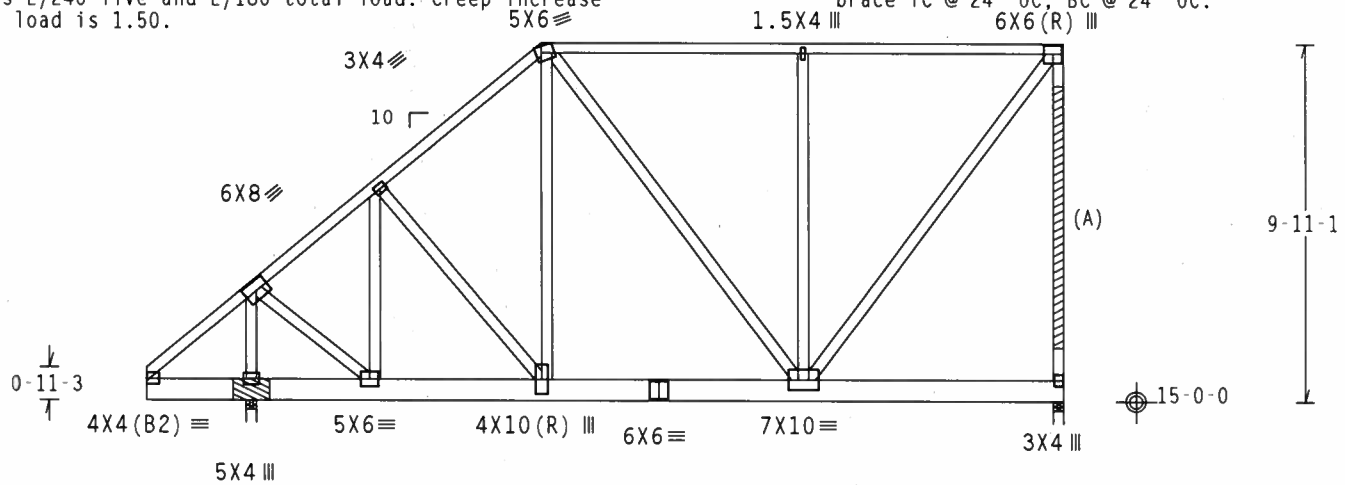
BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
1	2.708'	1	12"	6	Match Truss

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

110 mph wind, 20.43 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 03 '06

TC LL	20.0 PSF	REF	R487-- 63857
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307028
BC LL	0.0 PSF		HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135645
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #2 :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at -1.50 to 66 PLF at 29.50
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 2.46
BC - From 20 PLF at 2.46 to 20 PLF at 28.00
BC - From 5 PLF at 28.00 to 5 PLF at 29.50
PLT- 212 LB Conc. Load at (9.06,18.19), (11.06,18.19)
PLT- 199 LB Conc. Load at (13.06,18.19)
PLB- 356 LB Conc. Load at (7.00,13.04)
PLB- 69 LB Conc. Load at (9.06,13.04), (11.06,13.04)
PLB- 82 LB Conc. Load at (13.06,12.04)
PLB- 1072 LB Conc. Load at (13.60,12.04)
PL - 571 LB Conc. Load at (7.06,18.23)

2 COMPLETE TRUSSES REQUIRED

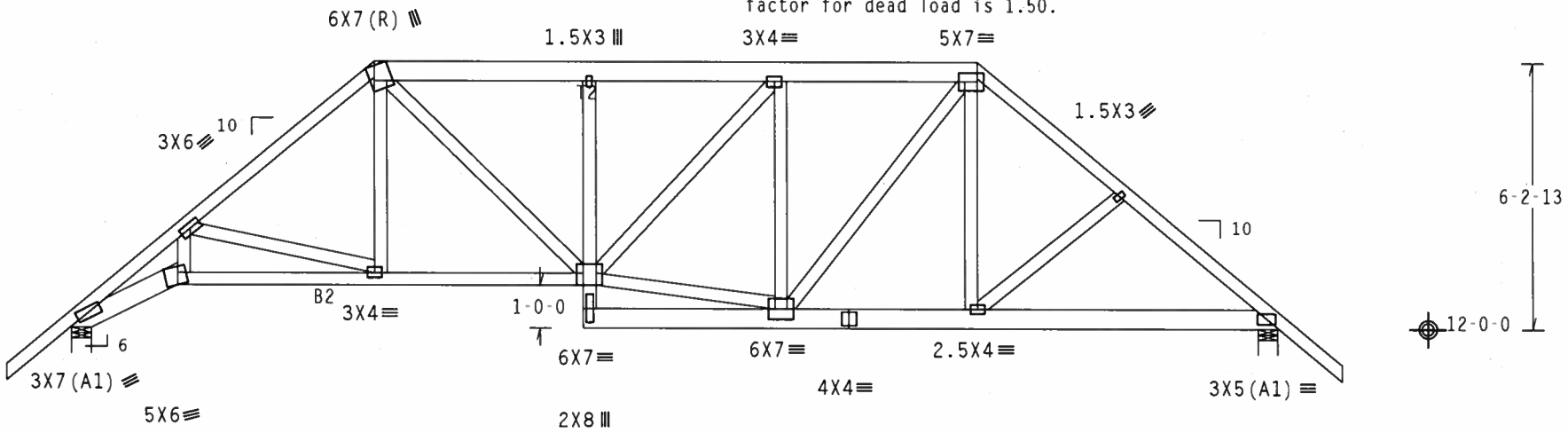
Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

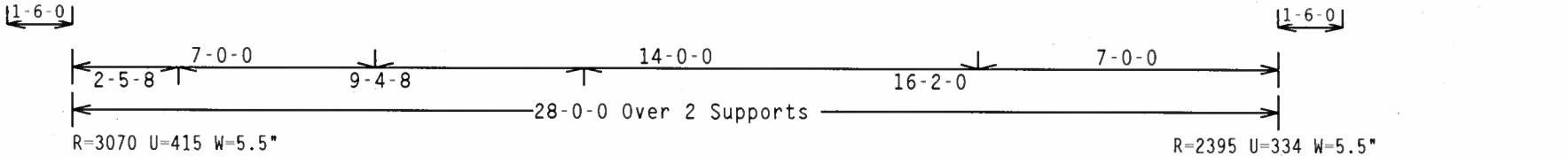
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.31.0 TY:1 FL/-/4/-/-/R/-
Scale =.25"/Ft.

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

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ARTHUR P. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63858
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307029
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	12981 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

(6 365 Travis Timmons , ** D2)

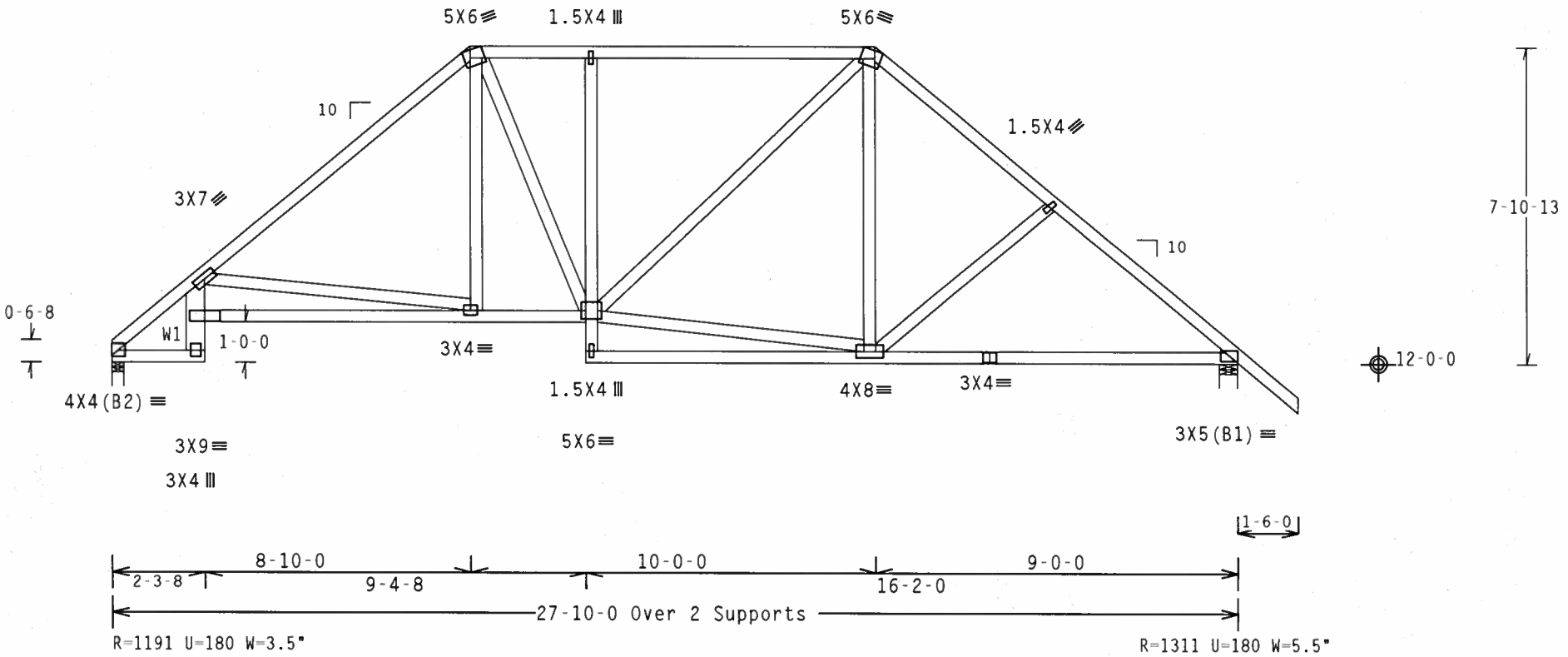
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x6 SP #1 Dense:

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.53 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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63859
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307030
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	135803
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x6 SP #2:

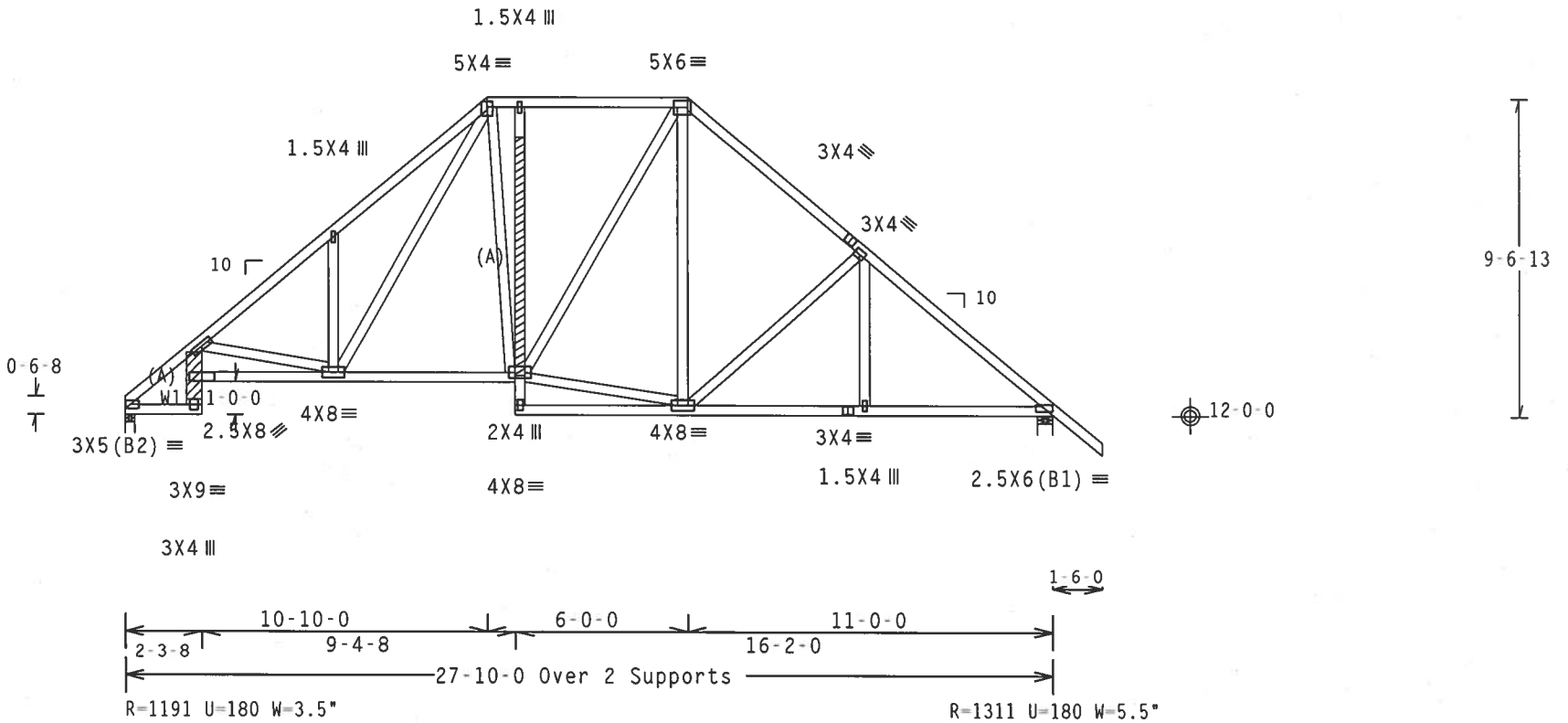
Wind reactions based on MWFRS pressures.

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

110 mph wind, 16.36 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.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

10 03 '06

TC LL	20.0 PSF	REF R487-- 63860
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307031
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 135807
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x6 SP #2:

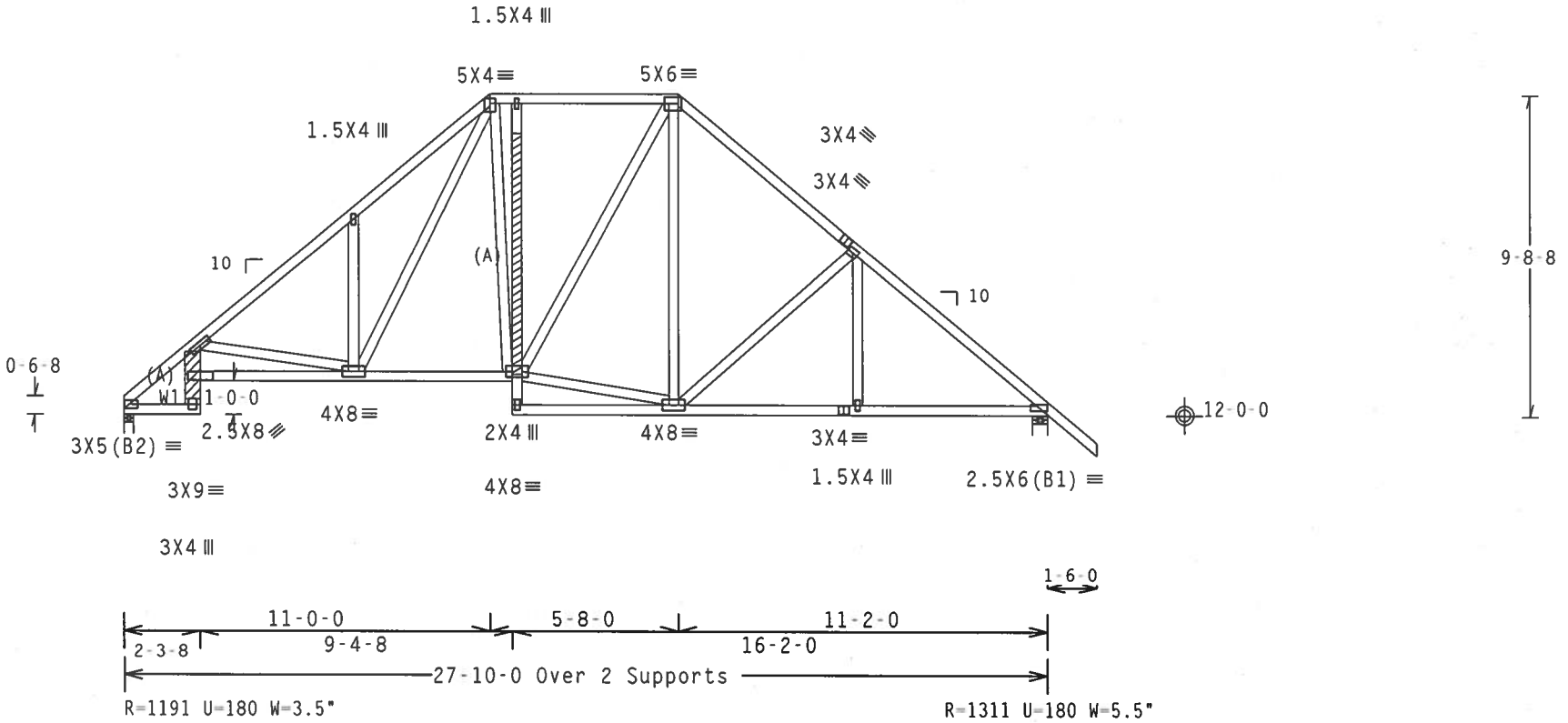
Wind reactions based on MWFRS pressures.

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

110 mph wind, 16.43 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]EY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov[illegible] '06

TC LL	20.0 PSF	REF	R487-- 63861
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307032
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	135811
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

Top chord 2x8 SP #1 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3 :W2, W6 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 11.33
BC - From 20 PLF at 0.00 to 20 PLF at 11.33
TC - 86 LB Conc. Load at 0.00
TC - 230 LB Conc. Load at 1.09
TC - 263 LB Conc. Load at 3.09
BC - 1706 LB Conc. Load at 1.06, 3.06
BC - 1695 LB Conc. Load at 5.06, 7.06, 9.06, 11.06

End verticals not exposed to wind pressure.

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

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

2 COMPLETE TRUSSES REQUIRED

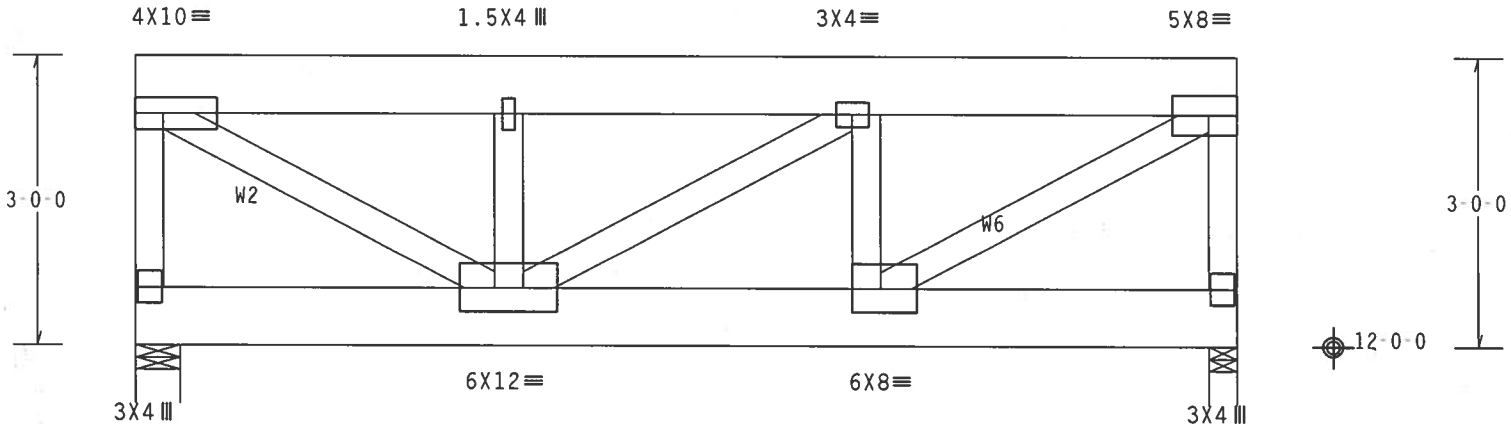
Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Wind reactions based on MWFRS pressures.

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

Truss must be installed as shown with top chord up.



11-4-0 Over 2 Supports

R=5685 U=608 W=5.5"

R=5990 U=640 W=3.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
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1950 Marley Drive
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 NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63862
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307033
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135394
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

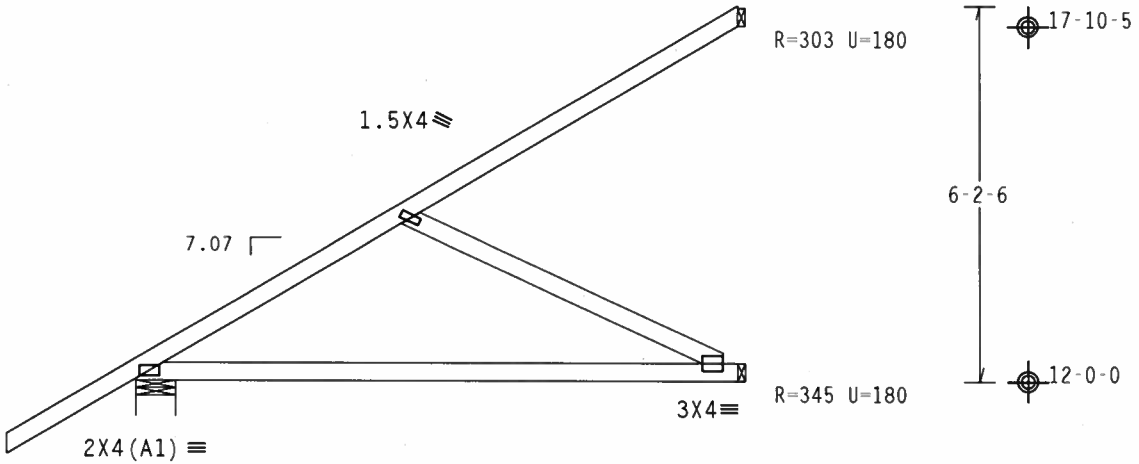
Hipjack supports 7-0-0 setback jacks with no webs.

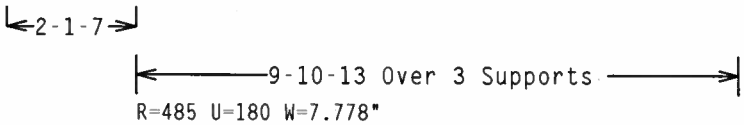
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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.

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63863
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307034
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135242
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

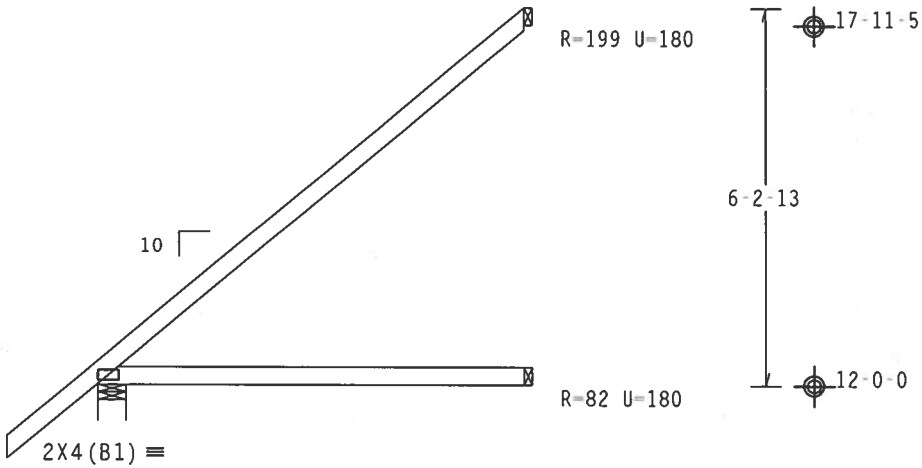
Wind reactions based on MWFRS pressures.

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

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.

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

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



1-6-0

7-0-0 Over 3 Supports
R=428 U=180 W=5.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
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Haines City, FL 33844
Certificate of Authorization #

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 03 '06

TC LL	20.0 PSF	REF	R487-- 63864
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307035
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	134888
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

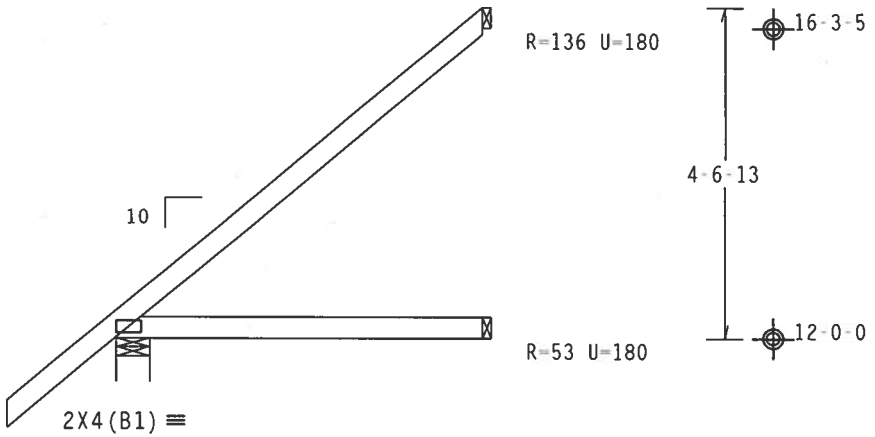
Wind reactions based on MWFRS pressures.

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

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.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63865
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307036
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	134894
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

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

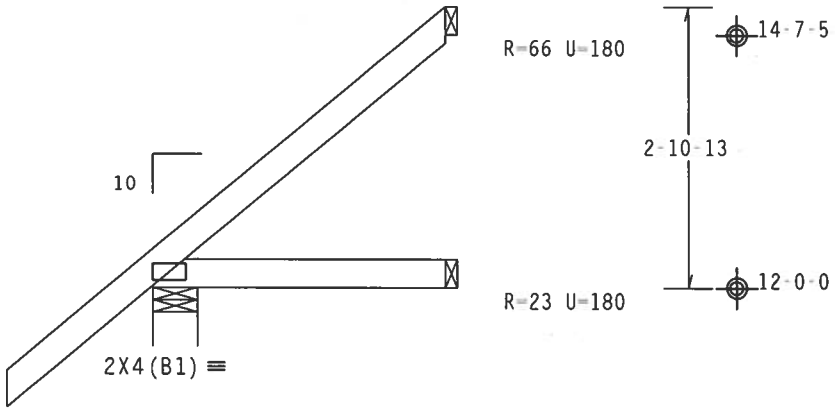
Wind reactions based on MWFRS pressures.

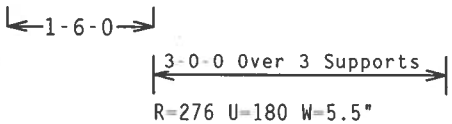
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Fl Certificate of Authorization # [illegible]

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 13 '06

TC LL	20.0 PSF	REF R487-- 63866
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307037
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 134880
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

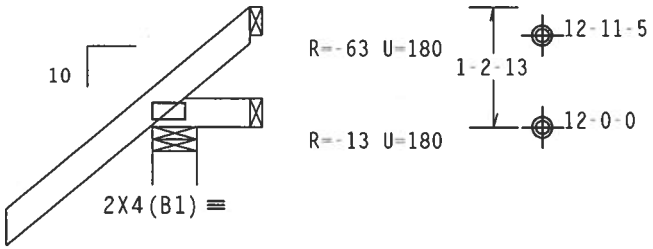
Wind reactions based on MWFRS pressures.

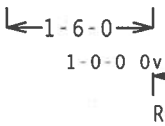
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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

Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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Certificate of Authorization #

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63867
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307008
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134884
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

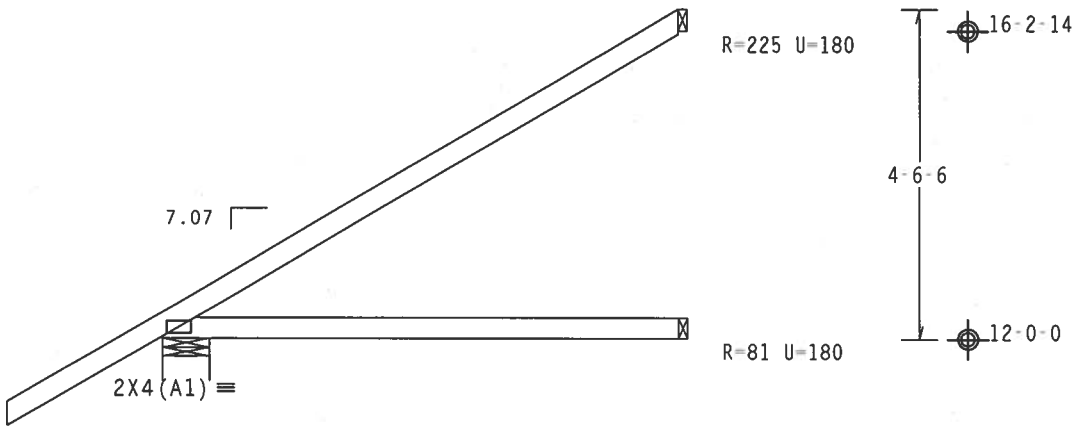
Hipjack supports 5-0-0 setback jacks with no webs.

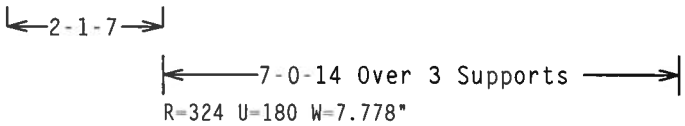
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.16 TY:1 FL/-/4/-/-/R/-
Scale =.375"/Ft.

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63868
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307038
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135218
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

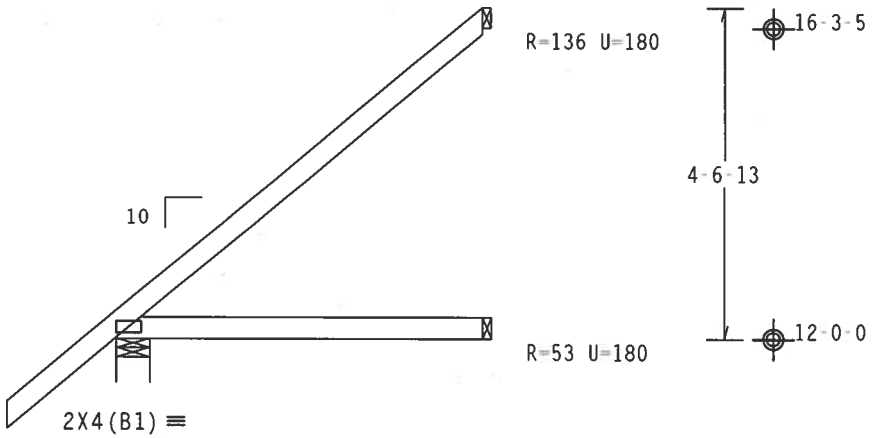
Wind reactions based on MWFRS pressures.

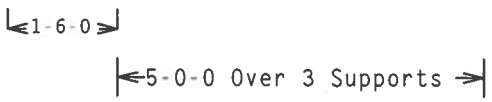
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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

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





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

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

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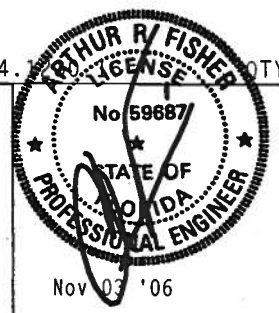


Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63869
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307039
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 134877
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

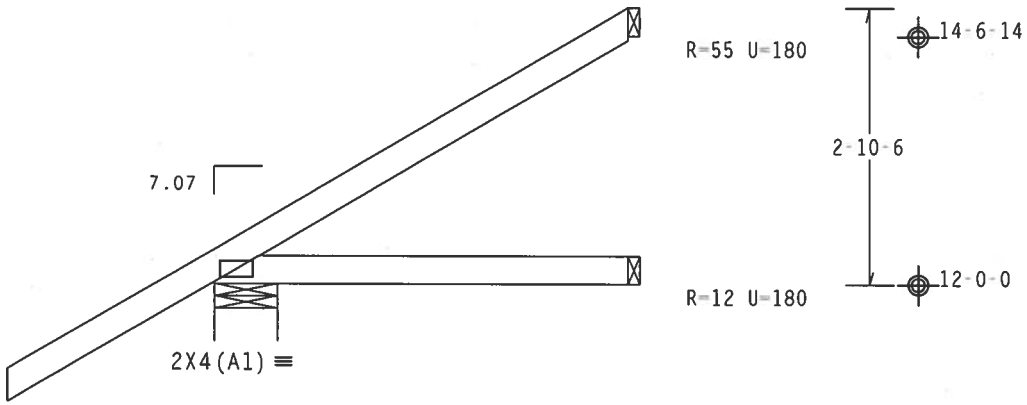
Hipjack supports 3-0-0 setback jacks with no webs.

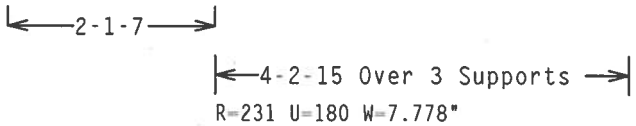
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 03 '06

TC LL	20.0 PSF	REF R487-- 63870
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307009
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135653
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

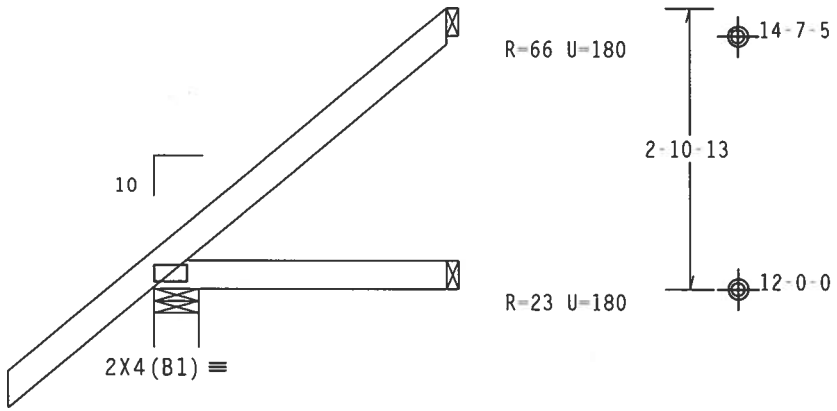
Wind reactions based on MWFRS pressures.

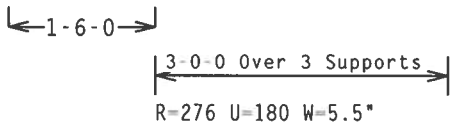
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate [illegible]zation #

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov [illegible] '06

TC LL	20.0 PSF	REF	R487-- 63871
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307007
BC LL	0.0 PSF		HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	135648
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

(6-365---- Travis Timmons -- , ** - HJC1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense :W2 2x4 SP #3:
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

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

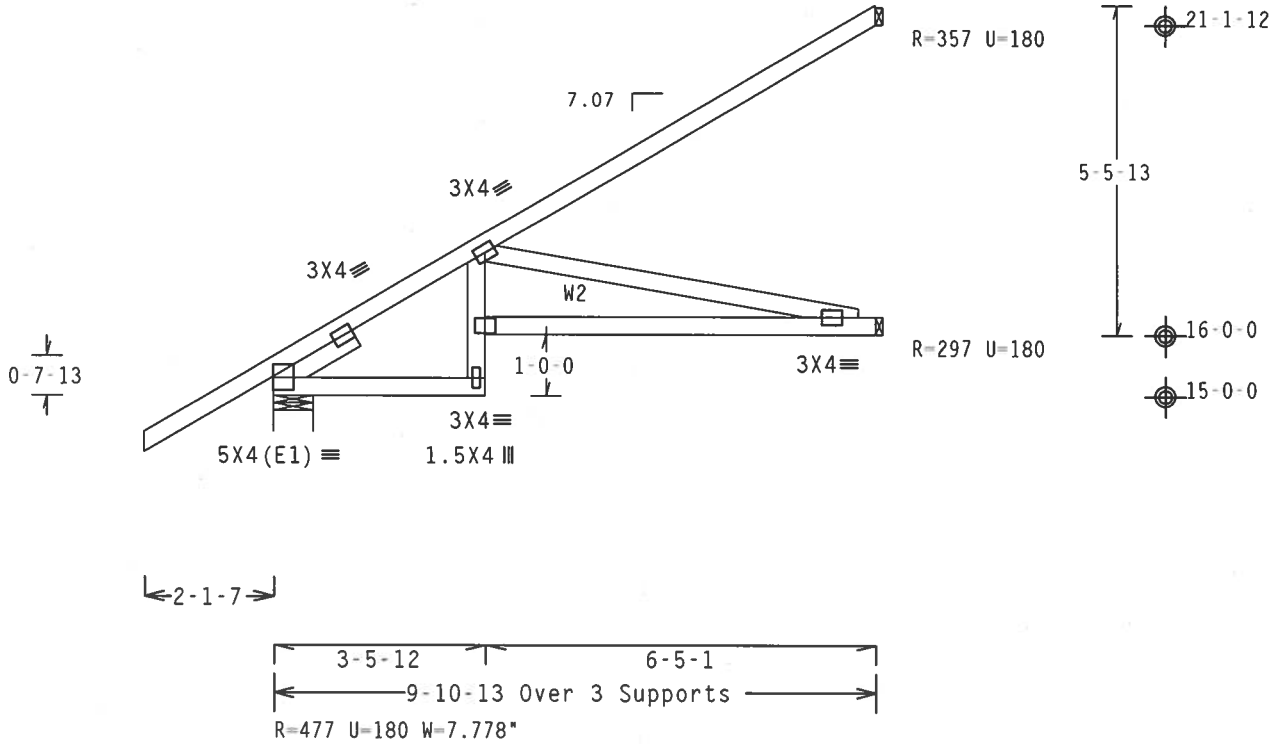
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 17.94 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.

Wind reactions based on MWFRS pressures.

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

Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate [illegible]zation #

ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63872
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307040
BC LL	0.0 PSF		HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135135
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

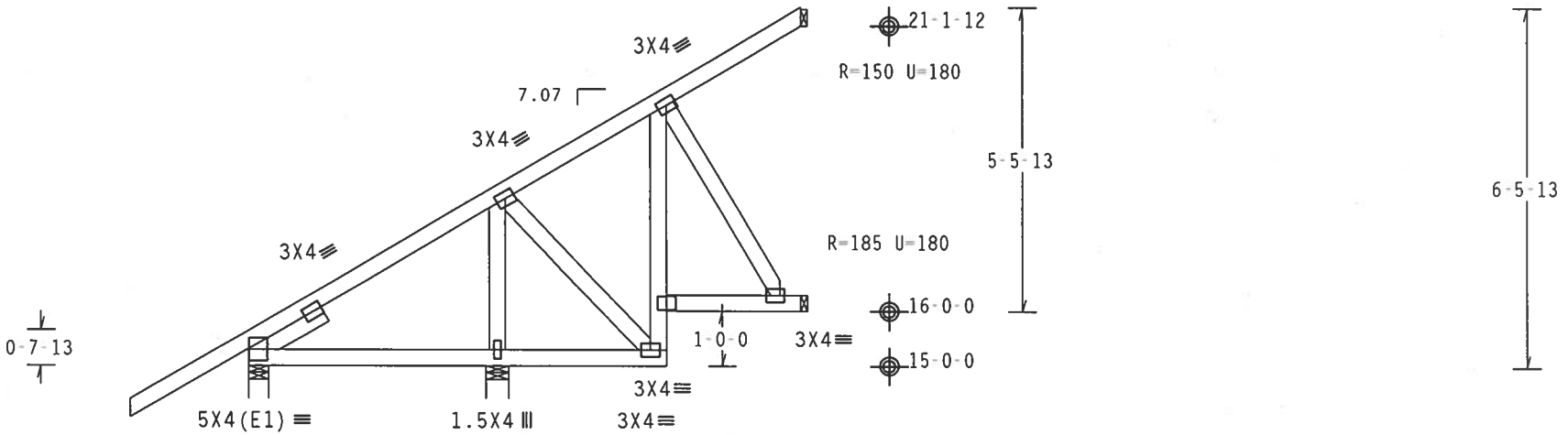
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

110 mph wind, 17.94 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.

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.3125"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 13 06

TC LL	20.0 PSF	REF R487-- 63873
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307041
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135154
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - EJC1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense :W2 2x4 SP #3:
:Lt Stubbed Wedge 2x6 SP #2:

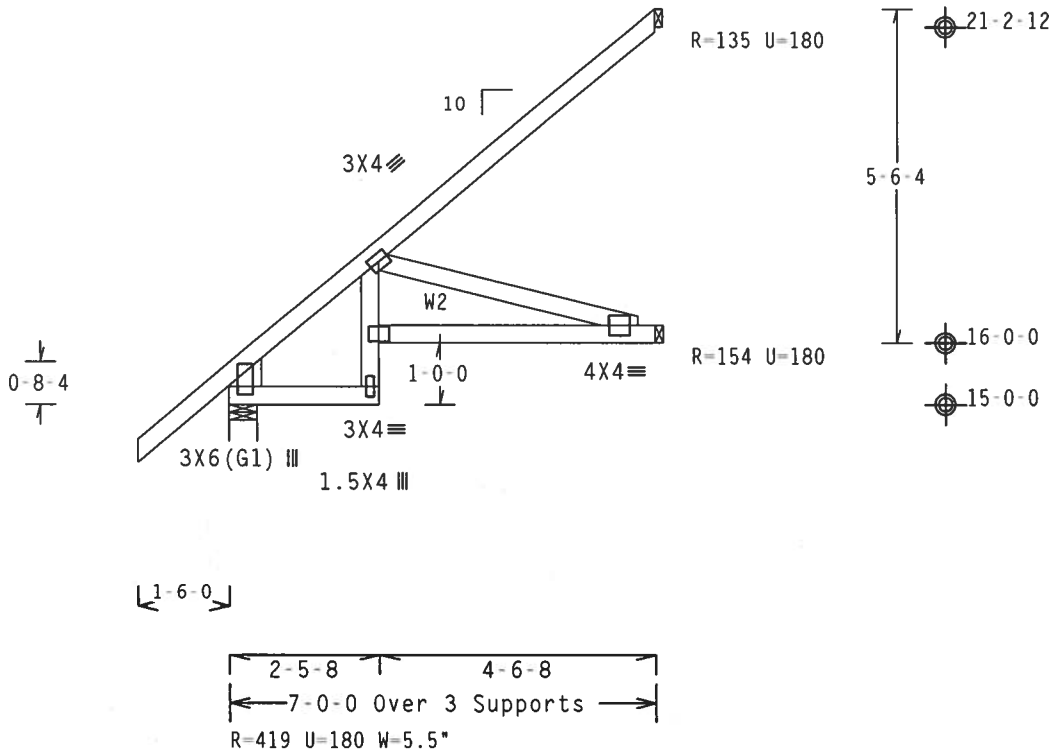
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

110 mph wind, 17.98 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.

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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

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ARTHUR R FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 06

TC LL	20.0 PSF	REF	R487-- 63874
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307042
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	135065
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x6 SP #2:

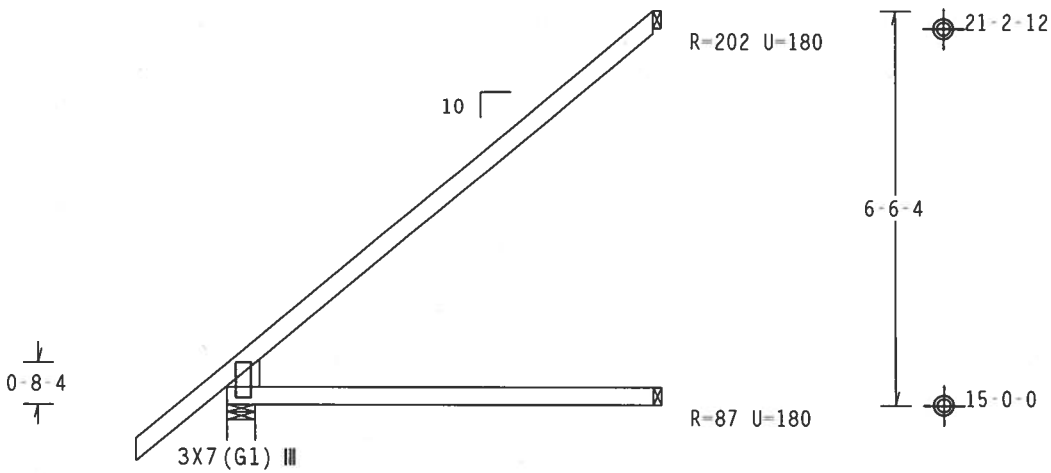
Wind reactions based on MWFRS pressures.

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

110 mph wind, 17.98 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.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR A. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63875
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307043
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 135057
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Calculated horizontal deflection is 0.27" due to live load and 0.14" due to dead load.

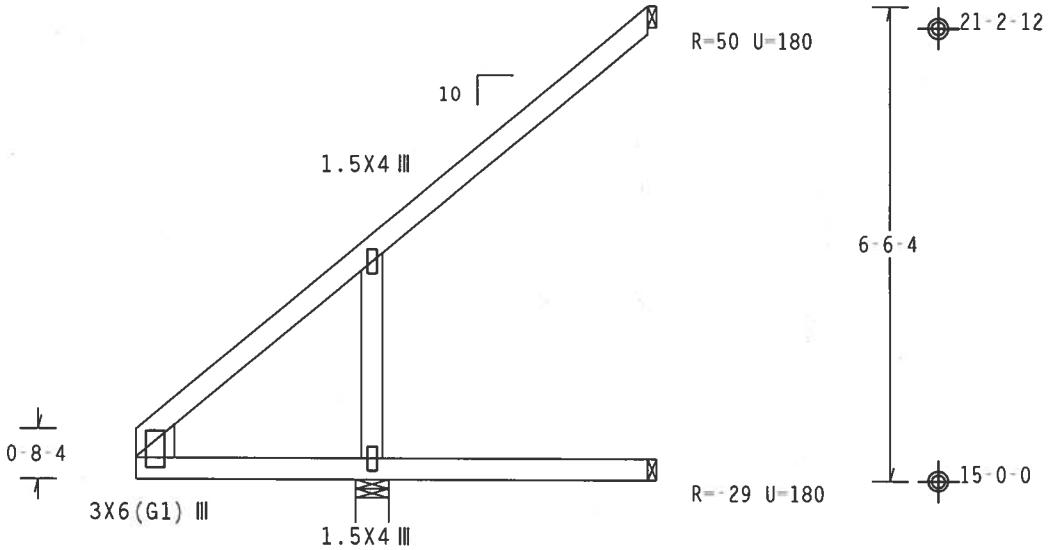
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 18.60 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.

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cg/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No.39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03,2006

TC LL	20.0 PSF	REF R487-- 63876
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307044
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135071
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

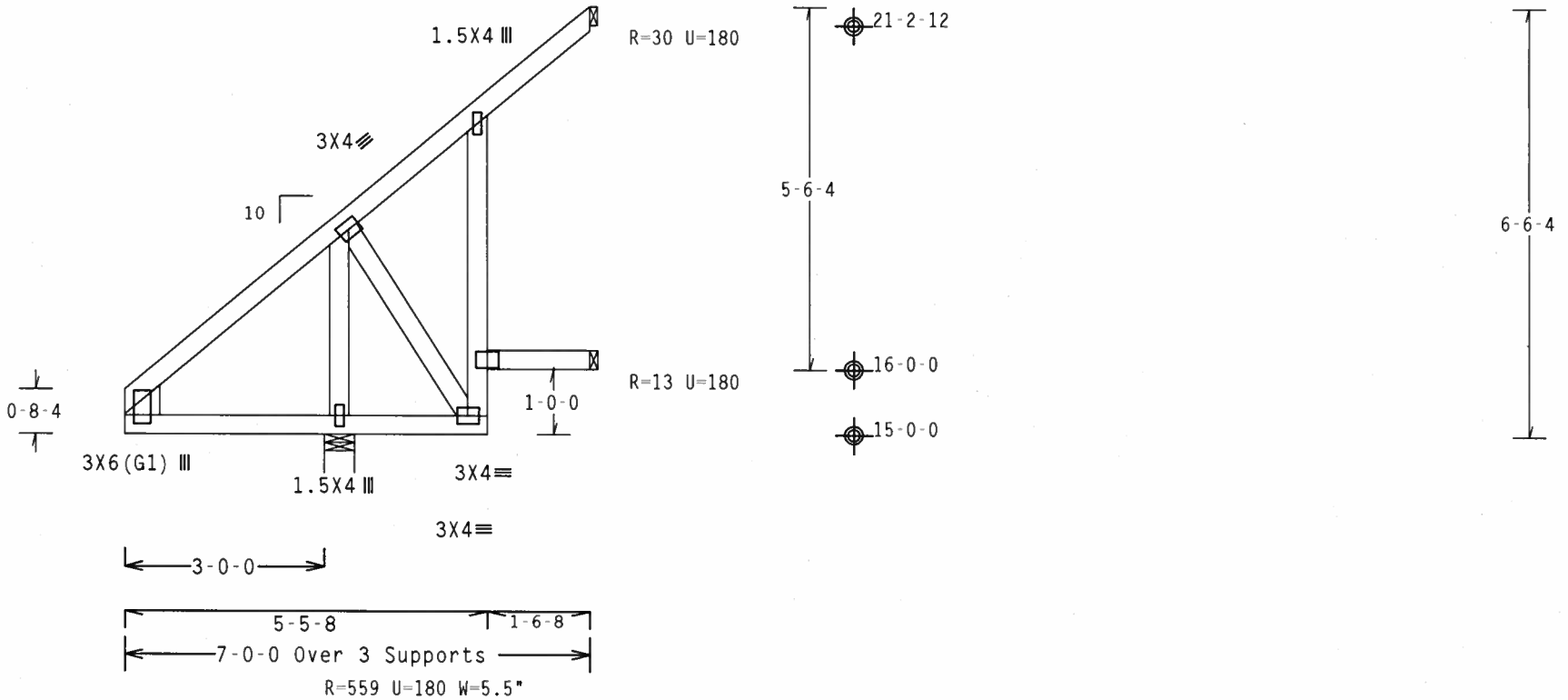
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

110 mph wind, 18.60 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.

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.[illegible] LC TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov [illegible] '06

TC LL	20.0 PSF	REF R487-- 63877
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307045
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135077
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x6 SP #2:

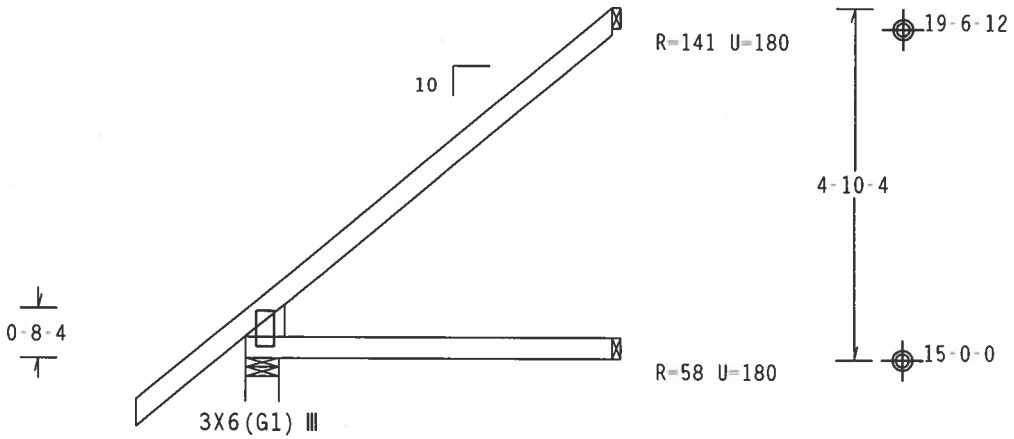
Wind reactions based on MWFRS pressures.

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

110 mph wind, 17.15 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.

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

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/-

Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 5[illegible]

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63878
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307046
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 135146
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

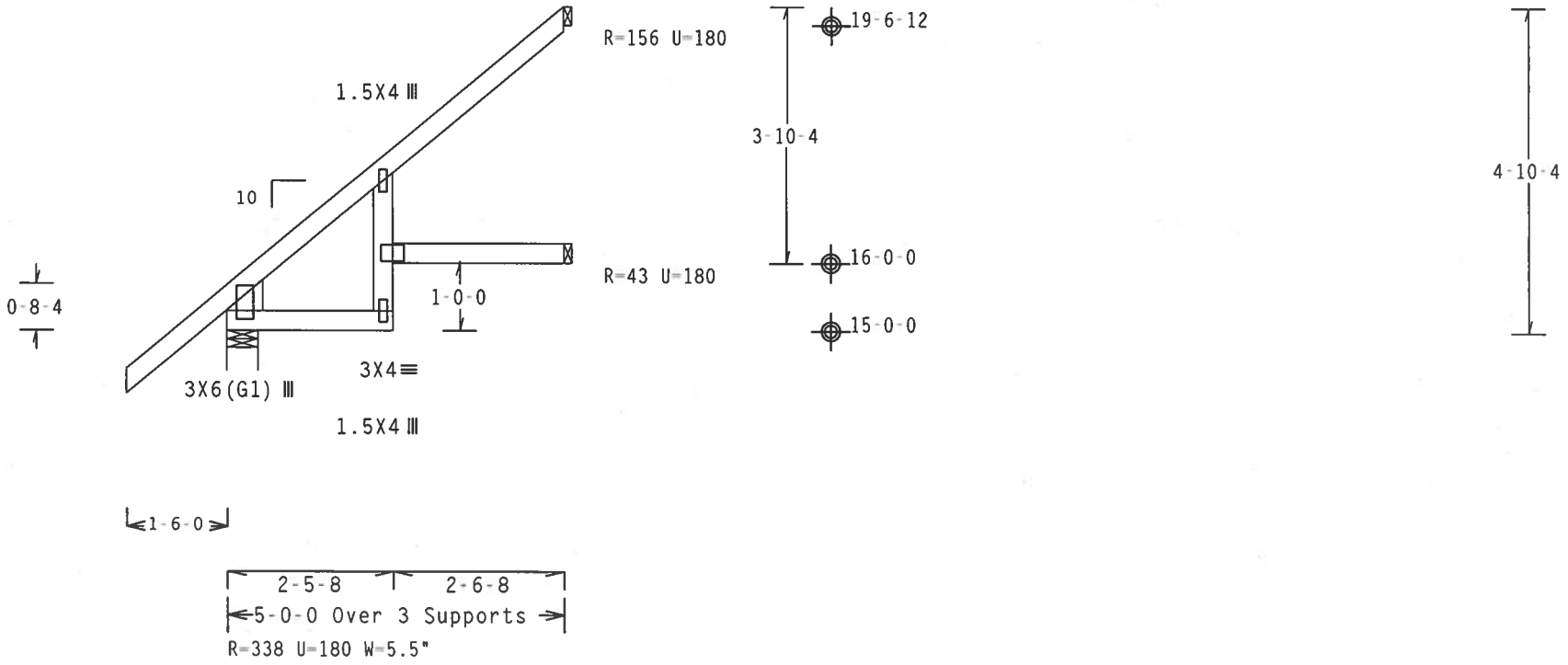
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

110 mph wind, 17.15 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.

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 03 '06

TC LL	20.0 PSF	REF	R487-- 63879
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307047
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	135084
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

(6 365 Travis Timmons , ** J5CCC)

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

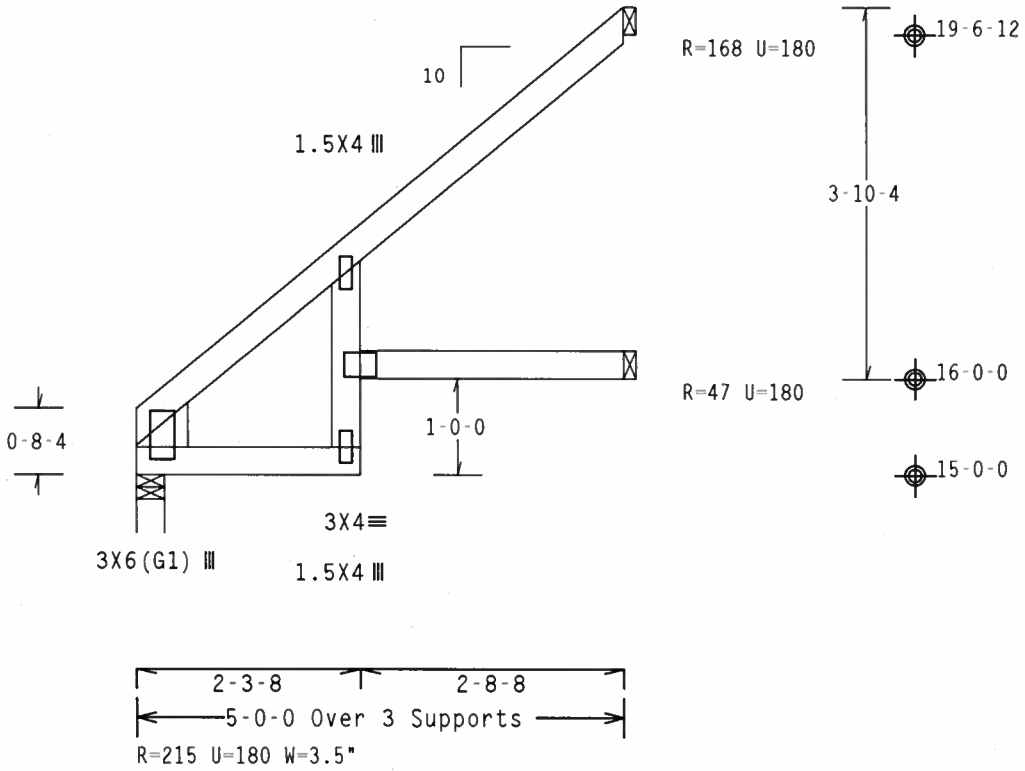
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

110 mph wind, 17.77 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.

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
No 03 '06

TC LL	20.0 PSF	REF	R487-- 63880
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307048
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	135090
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x6 SP #2:

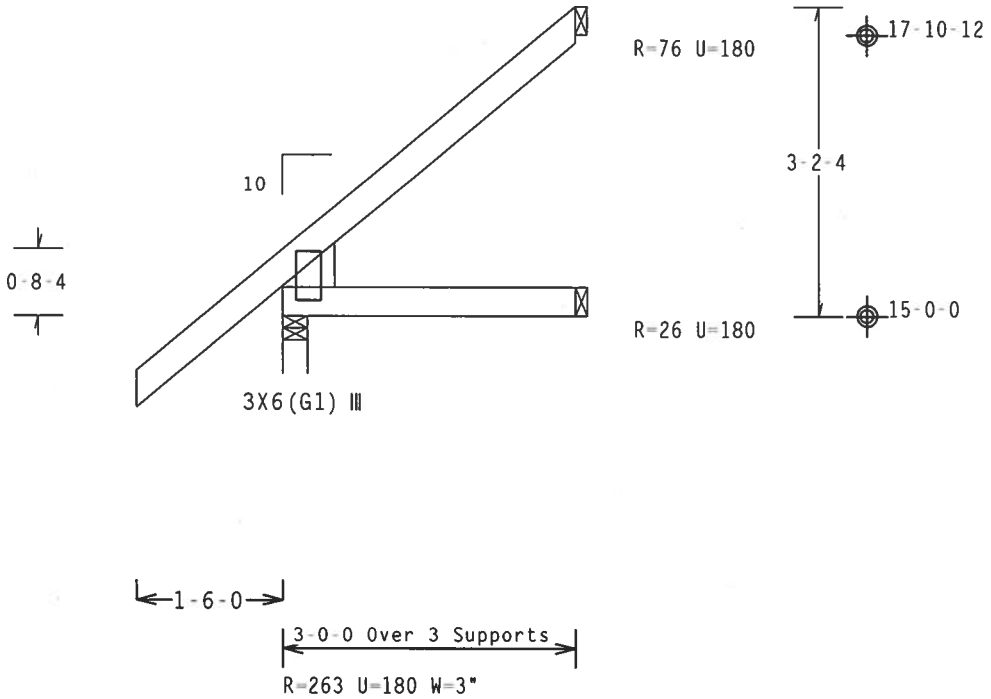
Wind reactions based on MWFRS pressures.

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

110 mph wind, 16.31 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.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible]QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ARTHUR R. FISHER LICENSE No. 59667 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate [illegible]zation #

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TC LL	20.0 PSF	REF R487-- 63881
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307049
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 135141
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

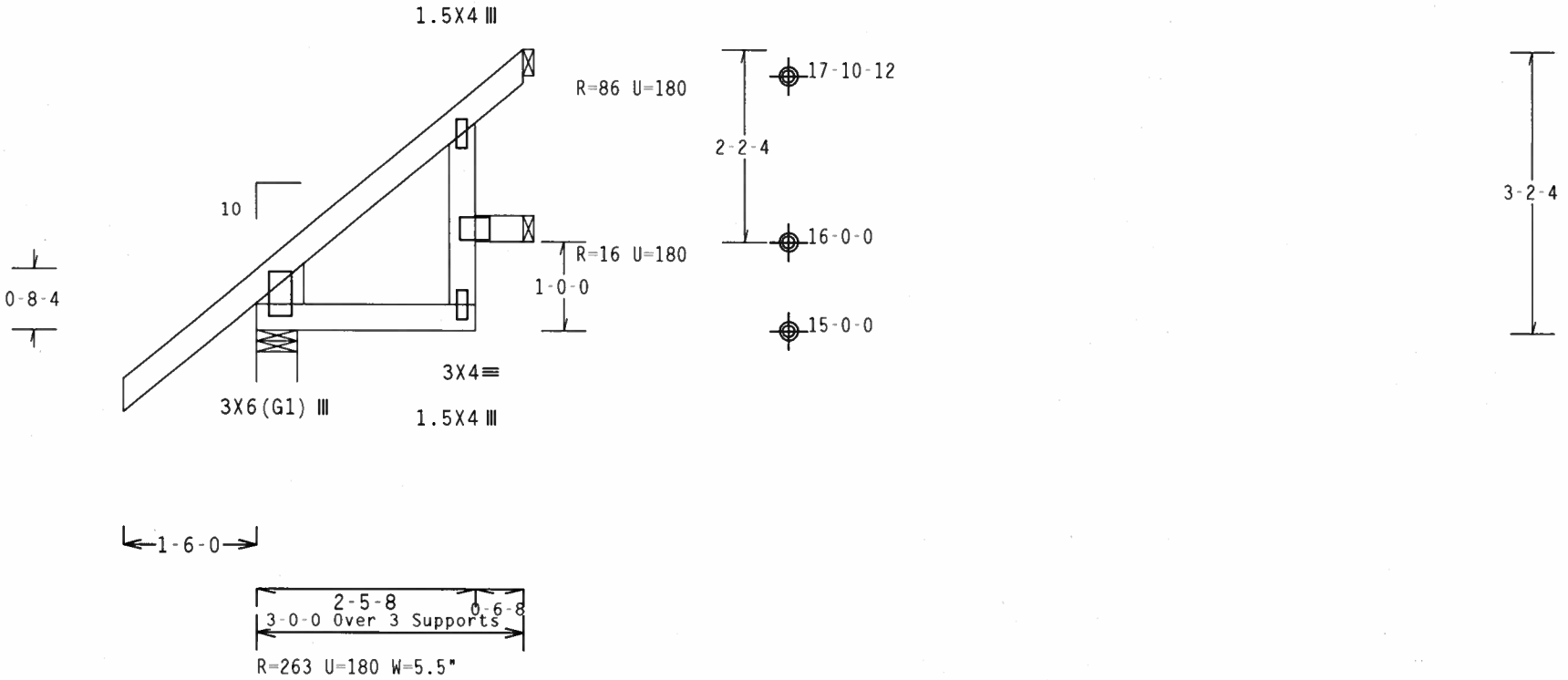
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

110 mph wind, 16.31 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.

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63882
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307050
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 135095
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

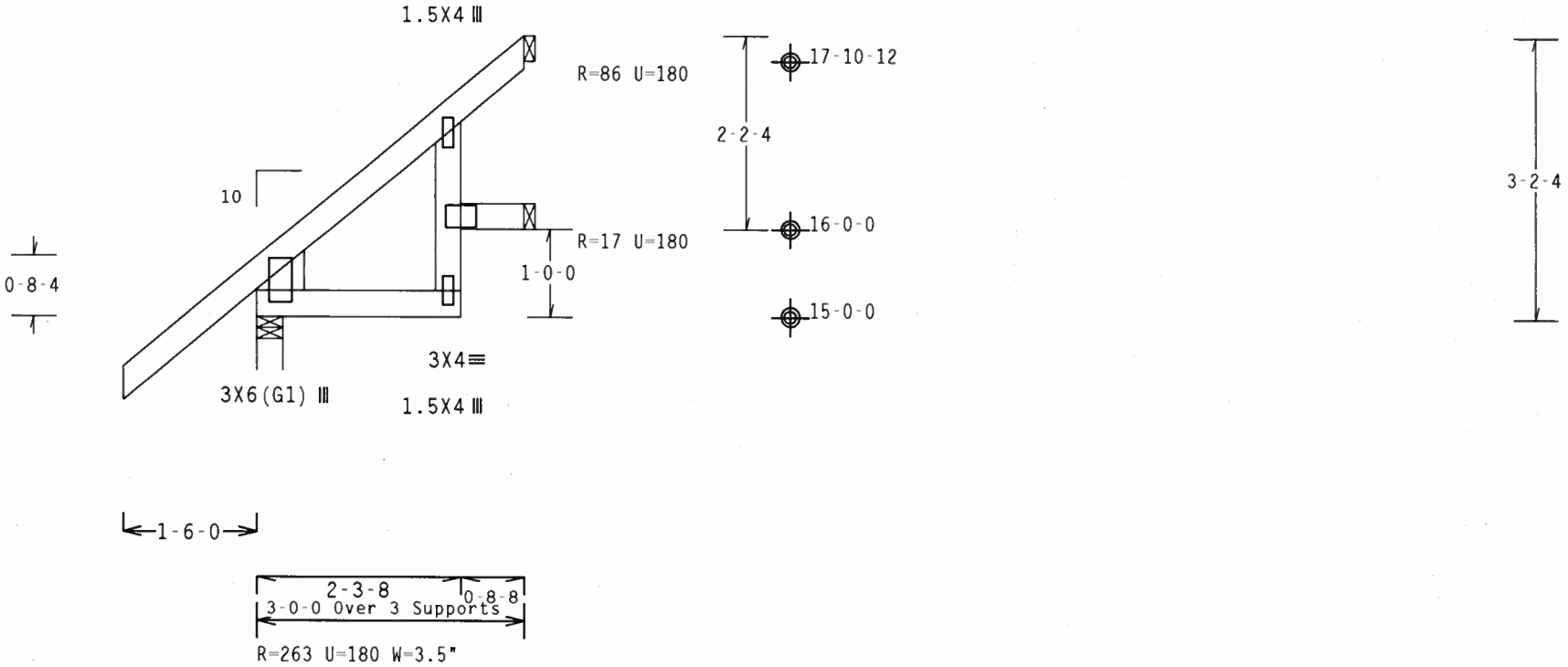
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

110 mph wind, 16.31 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.

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

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Alpine Engineered Products, Inc.
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 '06

TC LL	20.0 PSF	REF R487-- 63883
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307051
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 135100
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x6 SP #2:

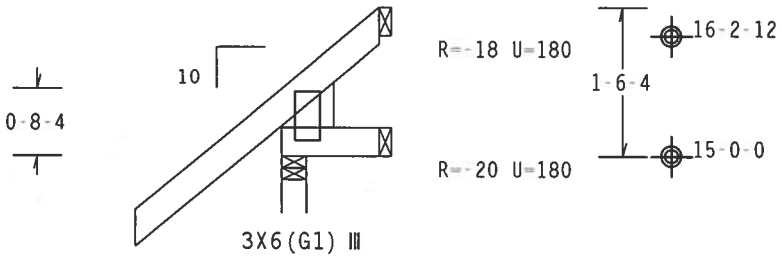
Wind reactions based on MWFRS pressures.

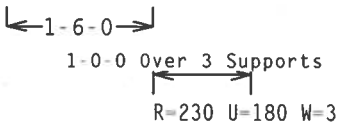
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.48 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.

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

Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 6[illegible]

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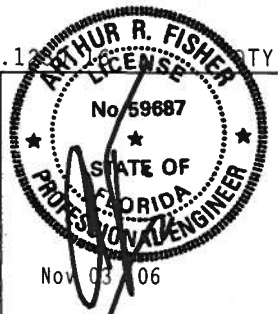


TC LL	20.0 PSF	REF R487-- 63884
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307052
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135105
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

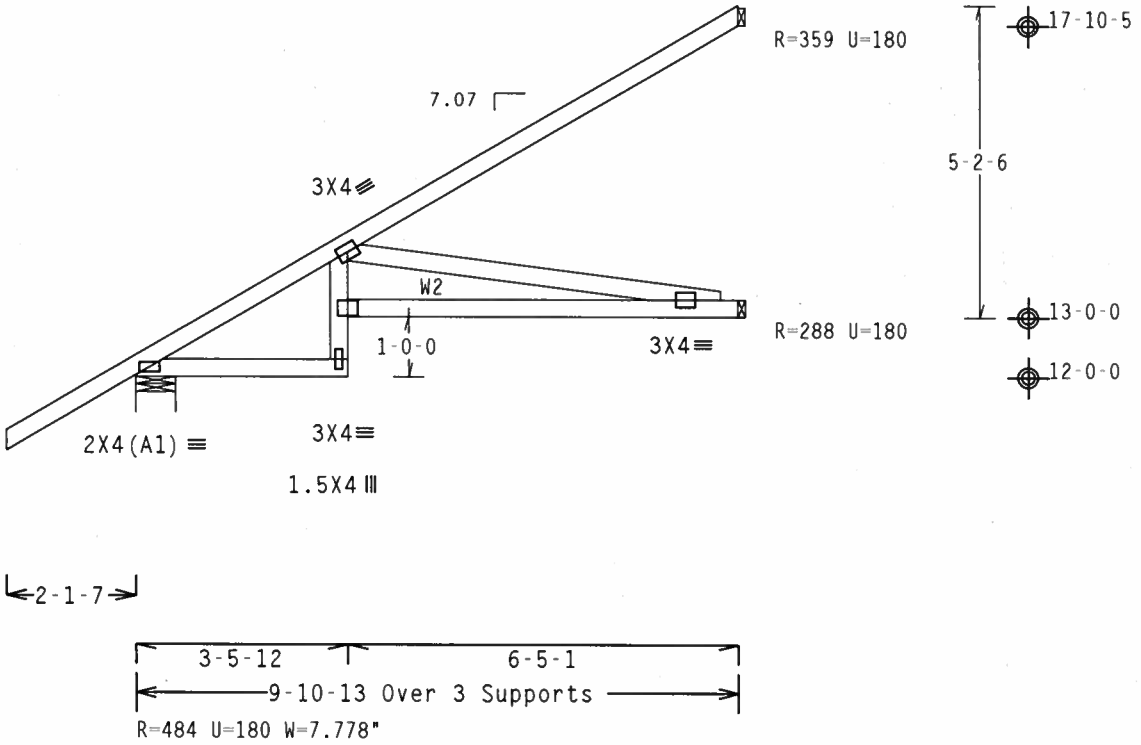
Hipjack supports 7-0-0 setback jacks with no webs.

Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 '06

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

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TC LL	20.0 PSF	REF	R487-- 63885
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307053
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134970
DUR.FAC.	1.25		
SPACING	24.0"	IREF-	1T20487_Z01

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

Wind reactions based on MWFRS pressures.

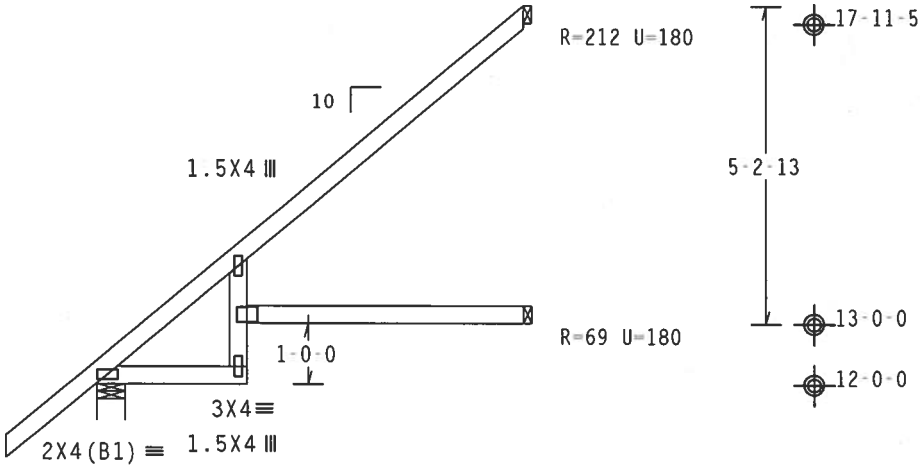
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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

Calculated horizontal deflection is 0.14" due to live load and 0.23" due to dead load.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 06

TC LL	20.0 PSF	REF R487-- 63886
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307054
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134943
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - J5D)

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

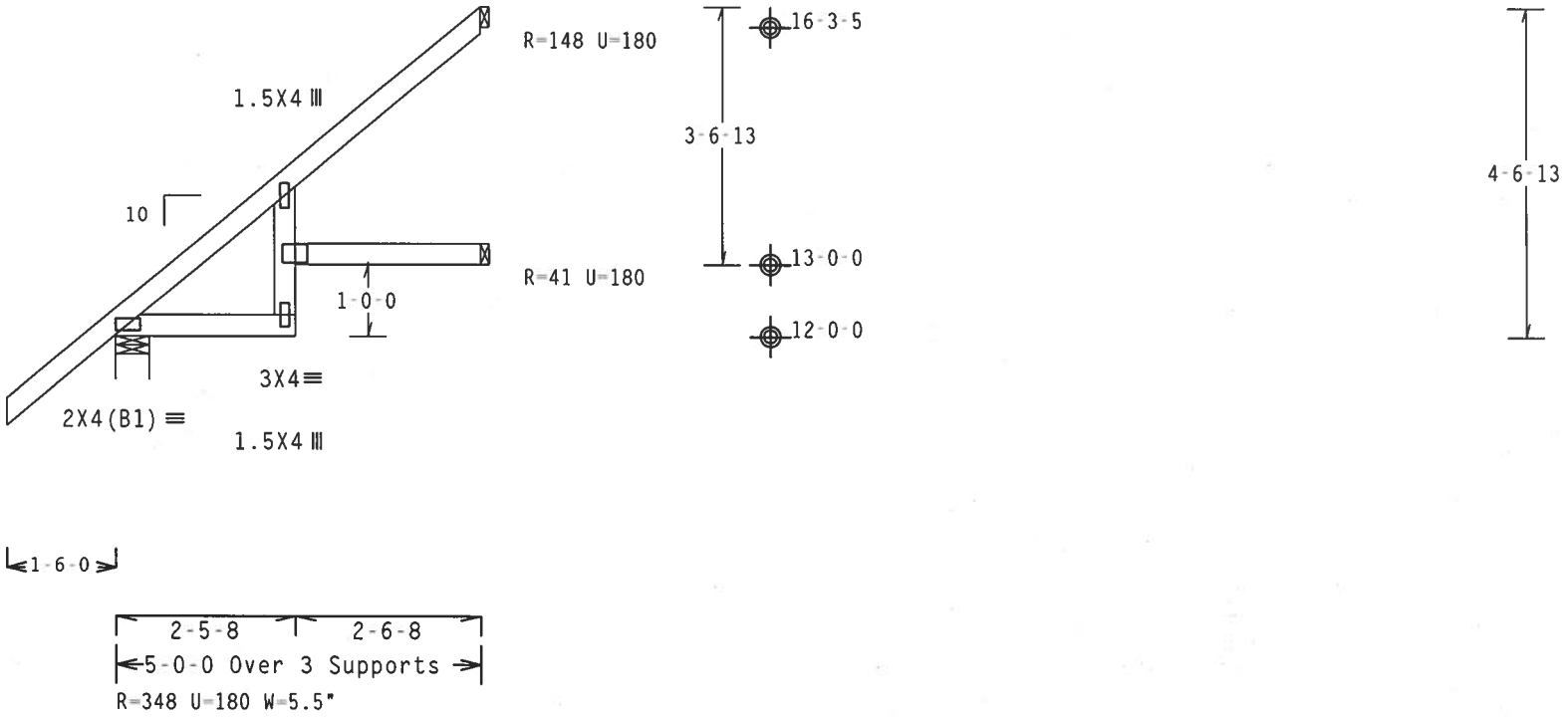
Wind reactions based on MWFRS pressures.

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

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.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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Certificate of Authorization #

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ARTHUR R. FISHER LICENSE No.50687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63887
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307055
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 134948
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

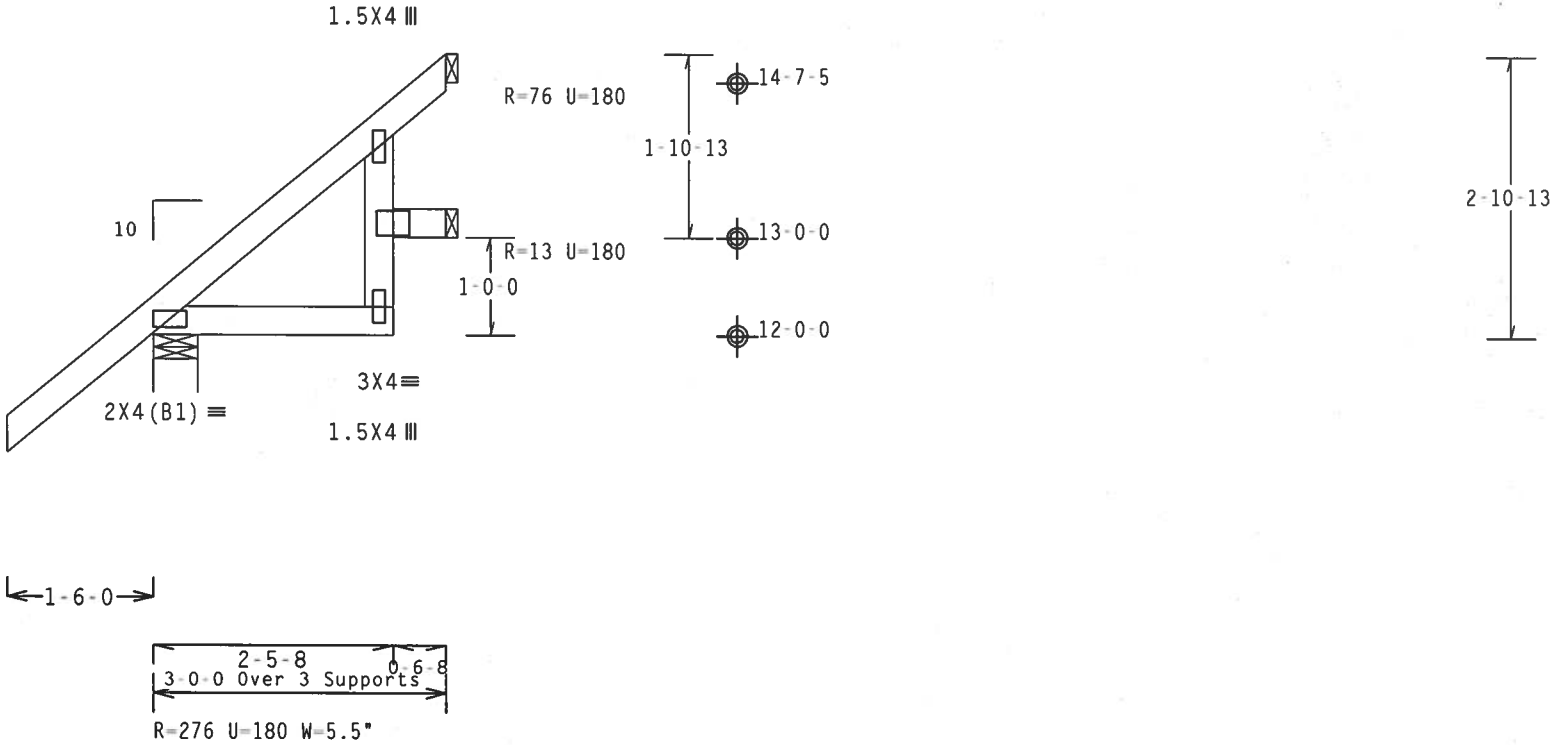
Wind reactions based on MWFRS pressures.

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

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.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cg/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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Nov 03,06

TC LL	20.0 PSF	REF R487-- 63888
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307056
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 134953
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - MDG)

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

110 mph wind, 15.32 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.

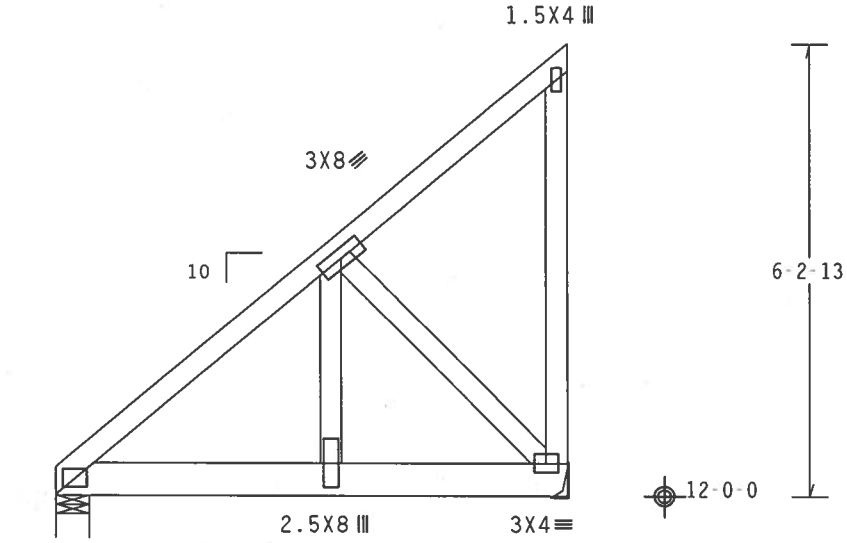
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 609 LB Conc. Load at 1.06, 3.06, 5.06

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



R=1072 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

7-0-0 Over 2 Supports
R=1357 U=180 W=5.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificat[illegible]rization #

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63889
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307057
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134938
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

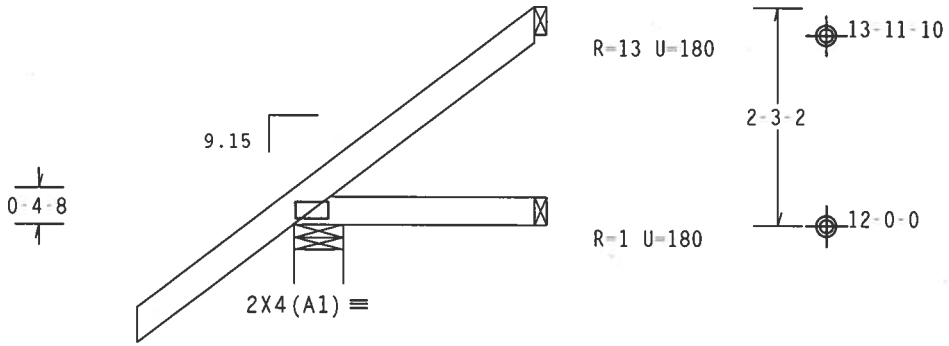
Hipjack supports 1-8-15 setback jacks with no webs.

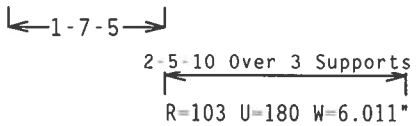
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOV 03 '06

TC LL	20.0 PSF	REF R487-- 63890
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307058
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134909
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

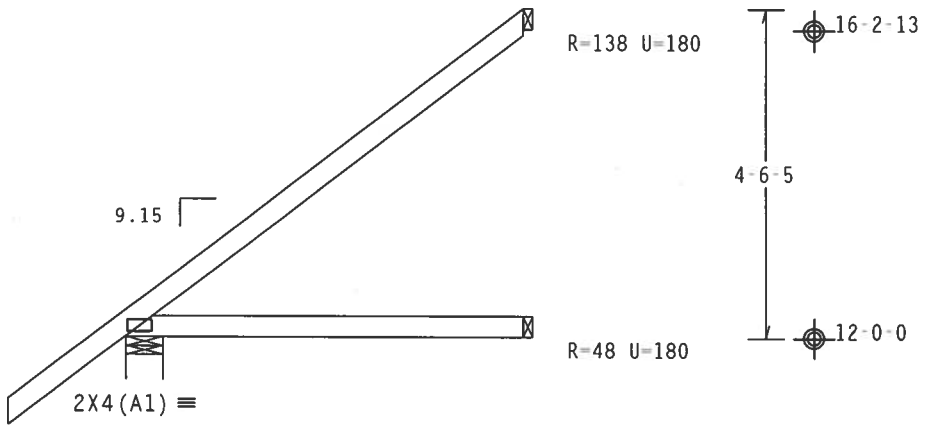
Hipjack supports 3-10-2 setback jacks with no webs.

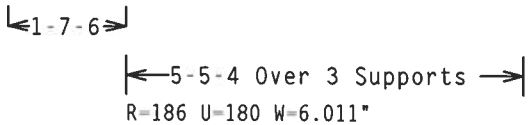
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63891
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307059
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134912
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

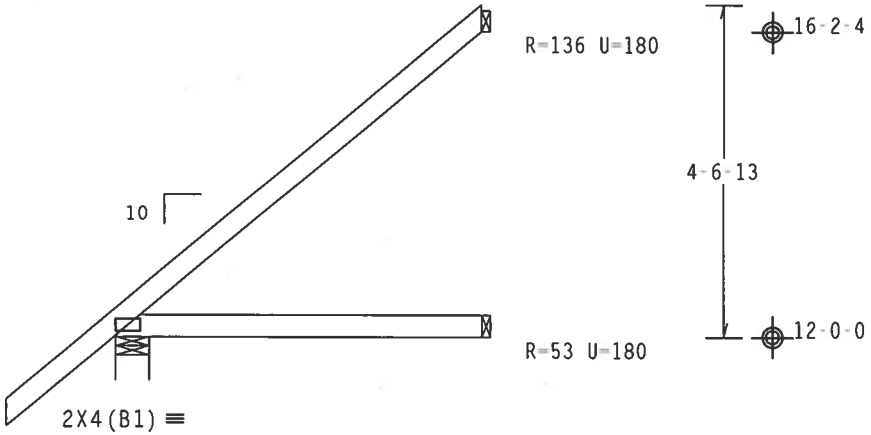
Wind reactions based on MWFRS pressures.

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

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.

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

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



1-6-0

5-0-0 Over 3 Supports

R=348 U=180 W=5.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63892
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307060
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	134906
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

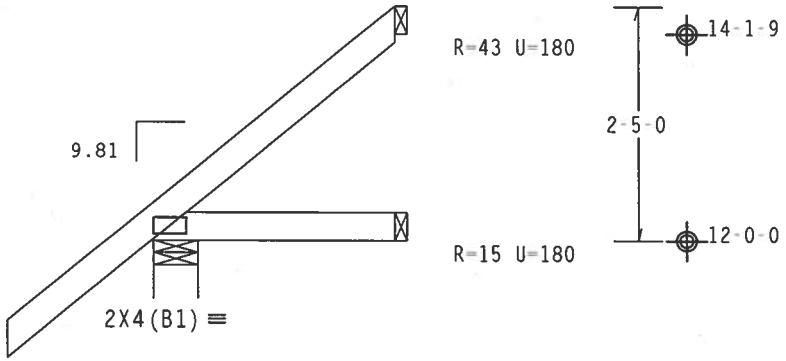
Wind reactions based on MWFRS pressures.

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

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.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible]EY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 06

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificat[illegible]rization #

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TC LL	20.0 PSF	REF	R487-- 63893
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307061
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	134901
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

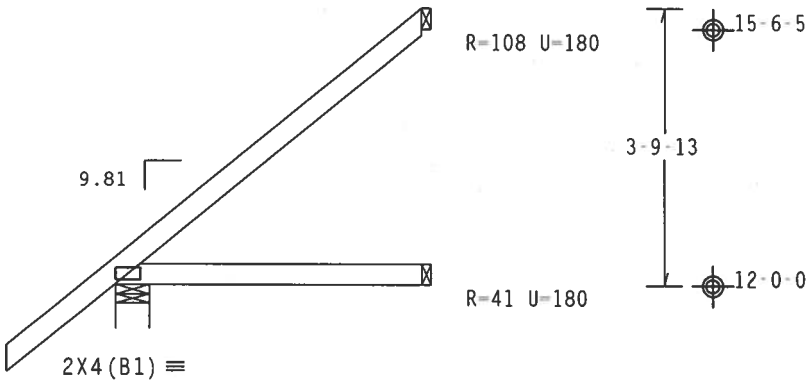
Wind reactions based on MWFRS pressures.

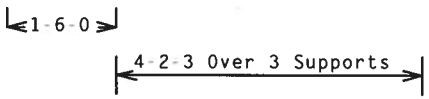
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12[illegible]TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63894
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307062
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 134899
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - JR4)

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

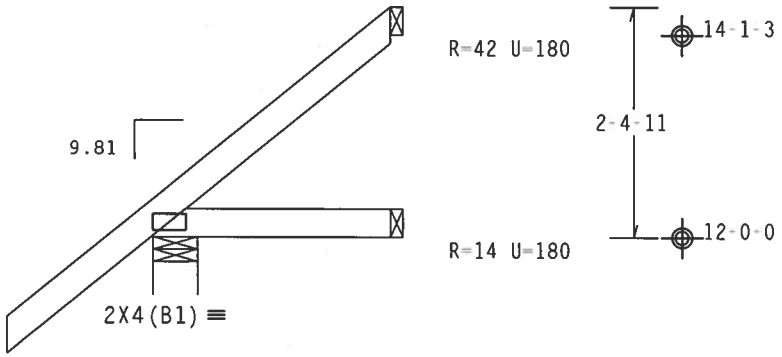
Wind reactions based on MWFRS pressures.

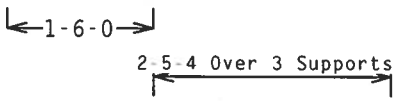
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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Haines City, FL 33844
Certificat ization #

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 03 '06

TC LL	20.0 PSF	REF R487-- 63895
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307063
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 134896
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - Z1)

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

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

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.

Wind reactions based on MWFRS pressures.

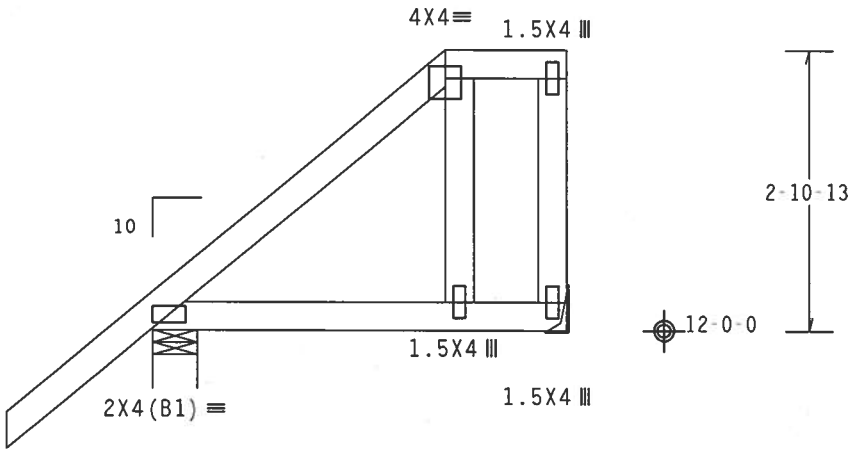
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at -1.50 to 66 PLF at 4.25
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 4.25
TC - 121 LB Conc. Load at 3.06
BC - 35 LB Conc. Load at 3.06

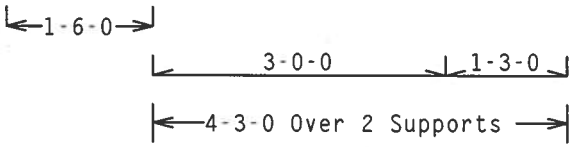
Right end vertical not exposed to wind pressure.

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

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



R=264 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=365 U=180 W=5.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 3 '06

TC LL	20.0 PSF	REF	R487-- 63896
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307010
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135659
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at -1.50 to 66 PLF at 4.25
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 4.25
BC - 1360 LB Conc. Load at 2.44

Wind reactions based on MWFRS pressures.

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.

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

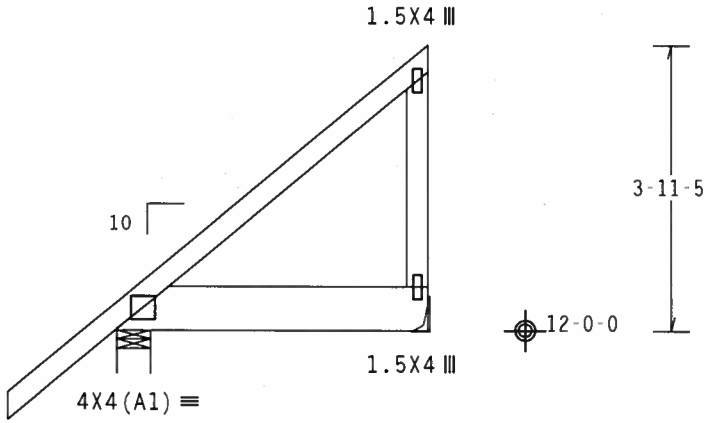
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 5.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

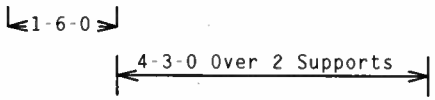
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



R=913 U=180 H=Simpson LUS26-2
w/ (3) 16d, 0.162"x2.5" nails in Truss
w/ (4) 16d, 0.162"x2.5" nails in Girder
Girder is (2)2X8 min. So.Pine



R=920 U=180 W=5.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
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FL Certificate of Authorization #

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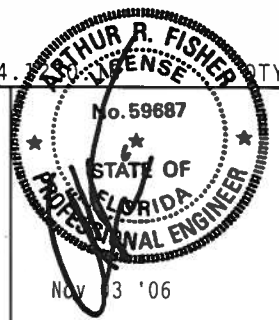


Nov 13 '06

TC LL	20.0 PSF	REF	R487-- 63897
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307012
BC LL	0.0 PSF		HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135741
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

Wind reactions based on MWFRS pressures.

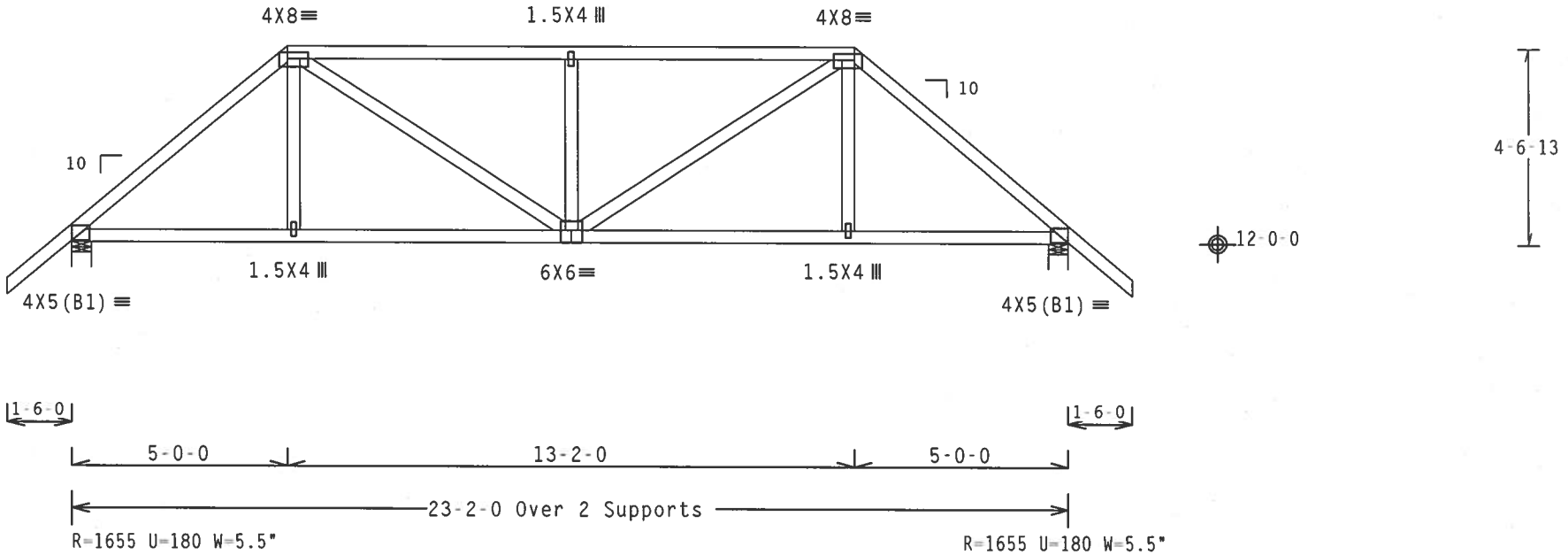
#1 hip supports 5-0-0 jacks with no webs.

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

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.

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

Left side jacks have 5-0-0 setback with 0-0-0 cant and 1-6-0 overhang. End jacks have 5-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 5-0-0 setback with 0-0-0 cant and 1-6-0 overhang.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 03 06

TC LL	20.0 PSF	REF R487-- 63898
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307096
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135388
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

Top chord 2x8 SP #1 Dense :T1 2x4 SP #2 Dense:
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

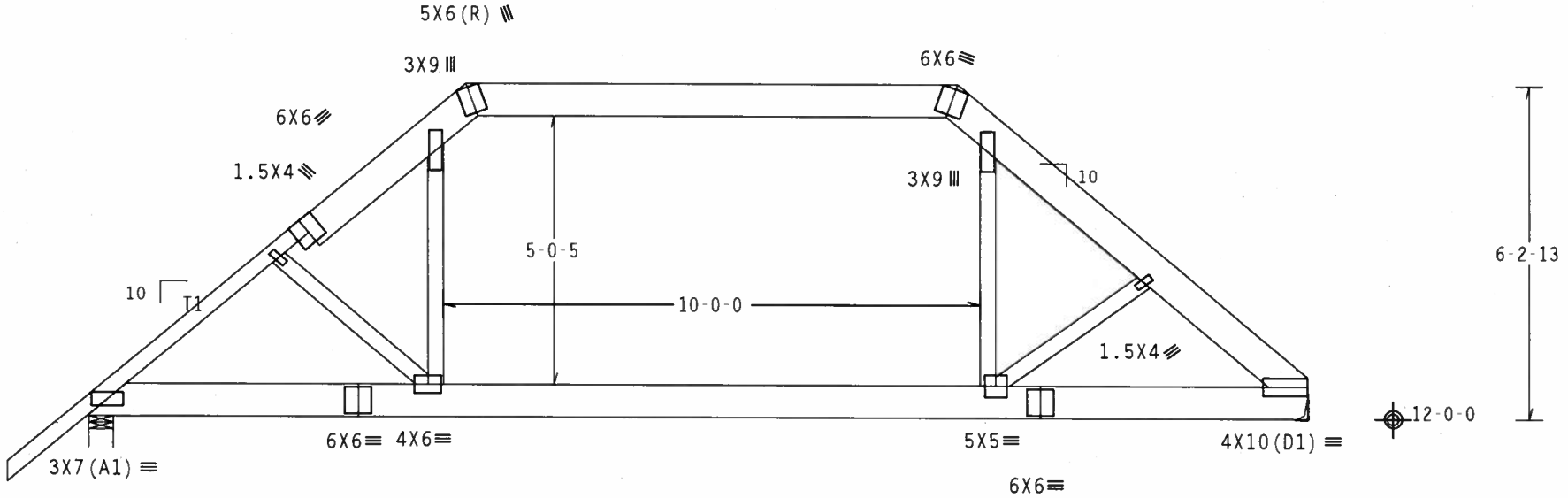
Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

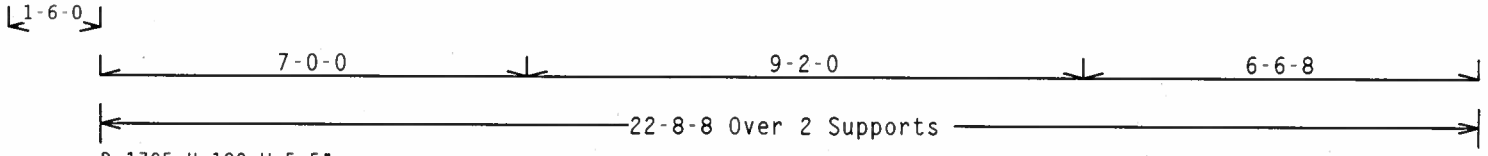
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-7-0 to 16-7-0.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63899
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307064
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135381
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

(6 365 Travis Timmons , ** K3)

Top chord 2x8 SP #1 Dense :T1 2x4 SP #2 Dense:
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

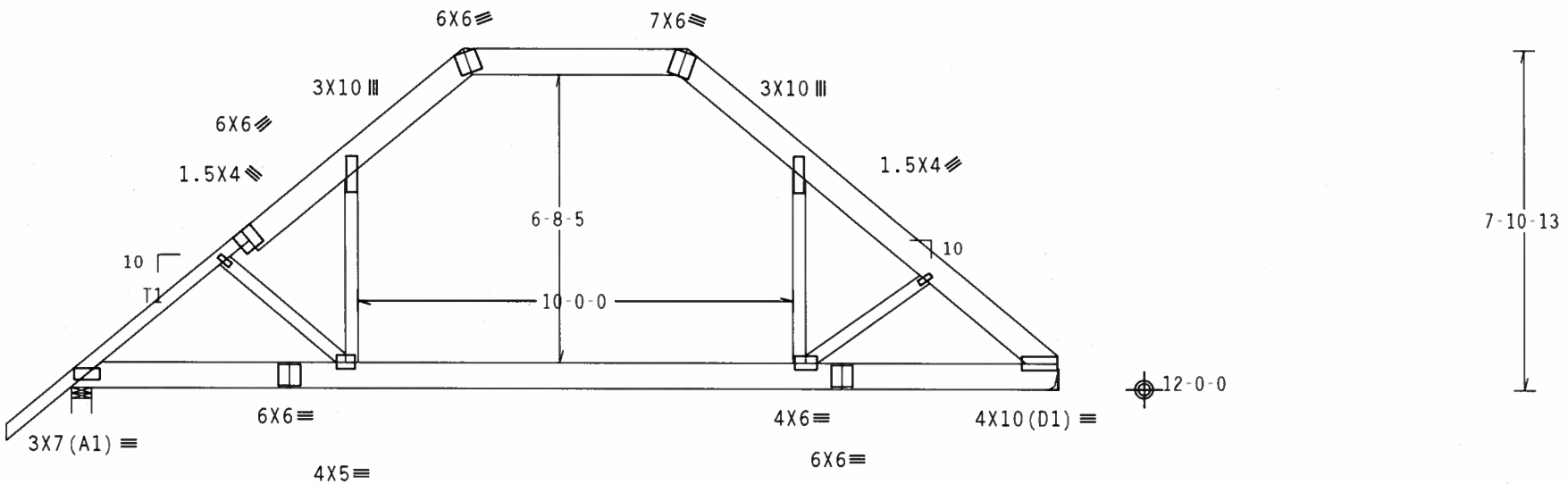
Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

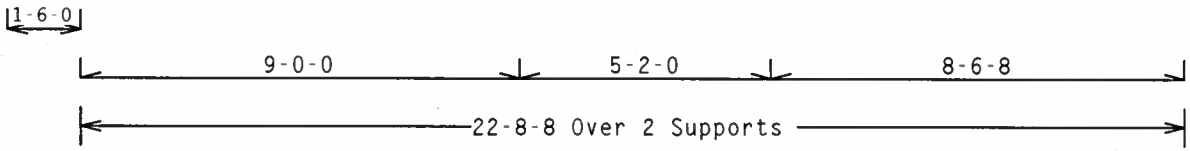
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.53 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.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-7-0 to 16-7-0.





R=1795 U=180 W=5.5"

R=1706 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
Ri is (2)2X8 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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Certifica rization

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 '06

TC LL	20.0 PSF	REF R487-- 63900
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307065
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135376
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

Top chord 2x8 SP #1 Dense :T1 2x4 SP #2 Dense:
Bot chord 2x8 SP #1 Dense :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W3 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.13" due to live load and 0.25" due to dead load.

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

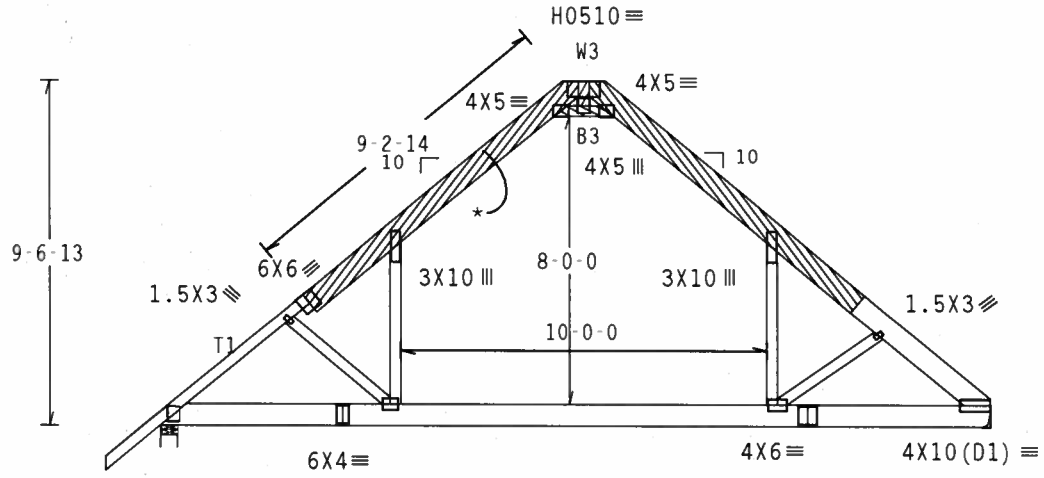
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

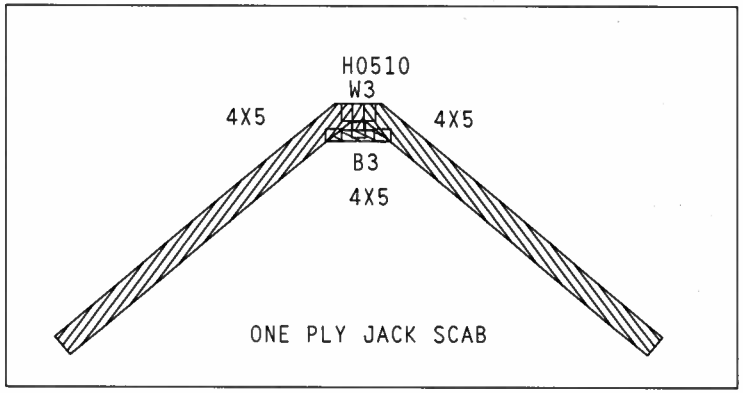
110 mph wind, 16.36 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-7-0 to 16-7-0.

* (ONE) JACK SCAB, SHADED, LUMBER GRADES, PLATES SAME AS SHOWN ON THIS DRAWING. ATTACH ONE JACK SCAB (SHADED) TO ONE FACE OF EXISTING TRUSS. USE (0.131"X3") GUN NAILS IN 1 ROW @ 4.0" O.C. INTO ALL MEMBERS IN COMMON WITH EXISTING TRUSS.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.31.0 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificat[illegible]rization #[illegible]

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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 NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63901
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307099
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	12965 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

Top chord 2x8 SP #1 Dense :T1 2x4 SP #2 Dense:
Bot chord 2x8 SP #1 Dense :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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.

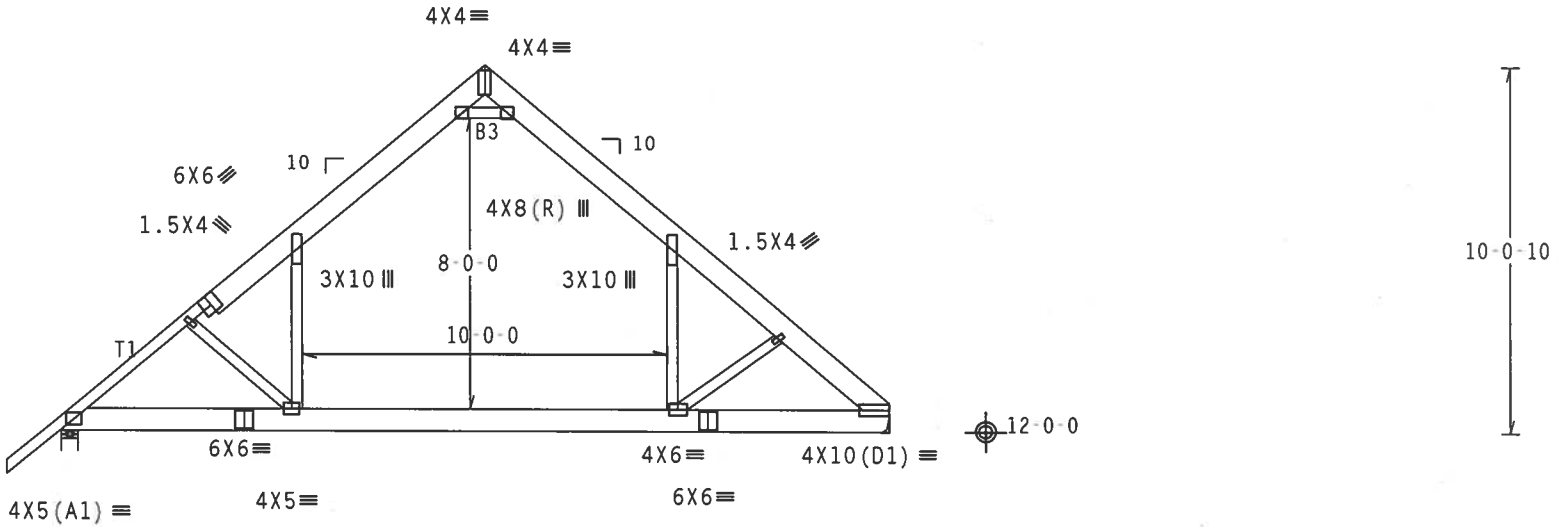
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

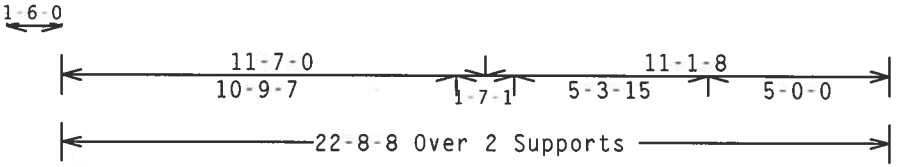
110 mph wind, 16.60 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.13" due to live load and 0.25" due to dead load.

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 6-7-0 to 16-7-0.





R=1784 U=180 W=5.5"

R=1695 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
Gir[illegible]2X8 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible] QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63902
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307066
BC LL	0.0 PSF		HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135340
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

ALPINE
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1950 Marley Drive
Haines City, FL 33844
Certificat[illegible]rization [illegible]

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Top chord 2x4 SP #2 Dense :T2 2x8 SP #1 Dense:
Bot chord 2x8 SP #1 Dense :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

Calculated horizontal deflection is 0.15" due to live load and 0.26" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-7-0 to 16-10-8.

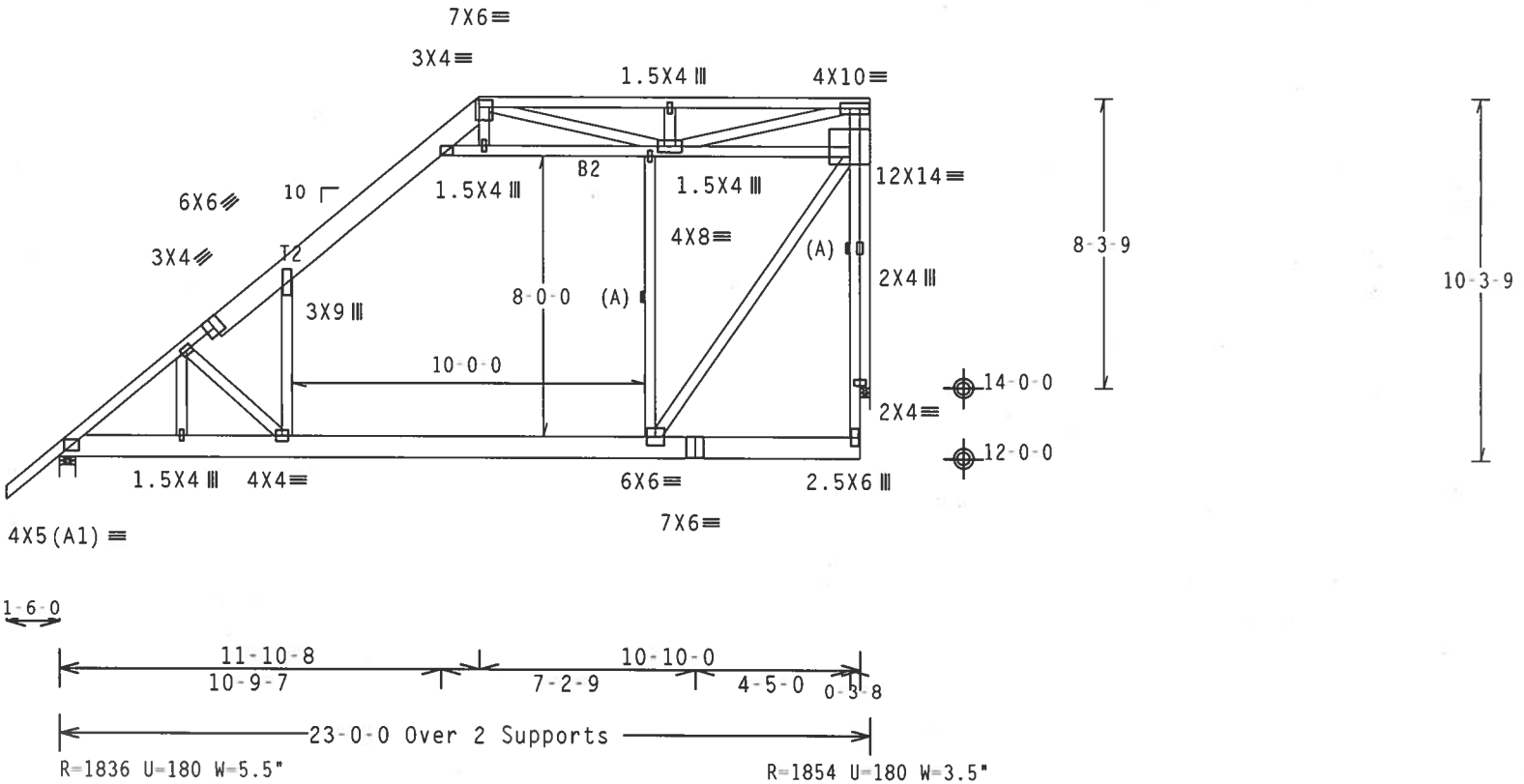
110 mph wind, 16.72 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-
Scale =.1875"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63903
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307067
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135321
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

Top chord 2x8 SP #1 Dense :T1 2x4 SP #2 Dense:
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

Calculated horizontal deflection is 0.13" due to live load and 0.24" due to dead load.

(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.

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

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

110 mph wind, 15.89 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.

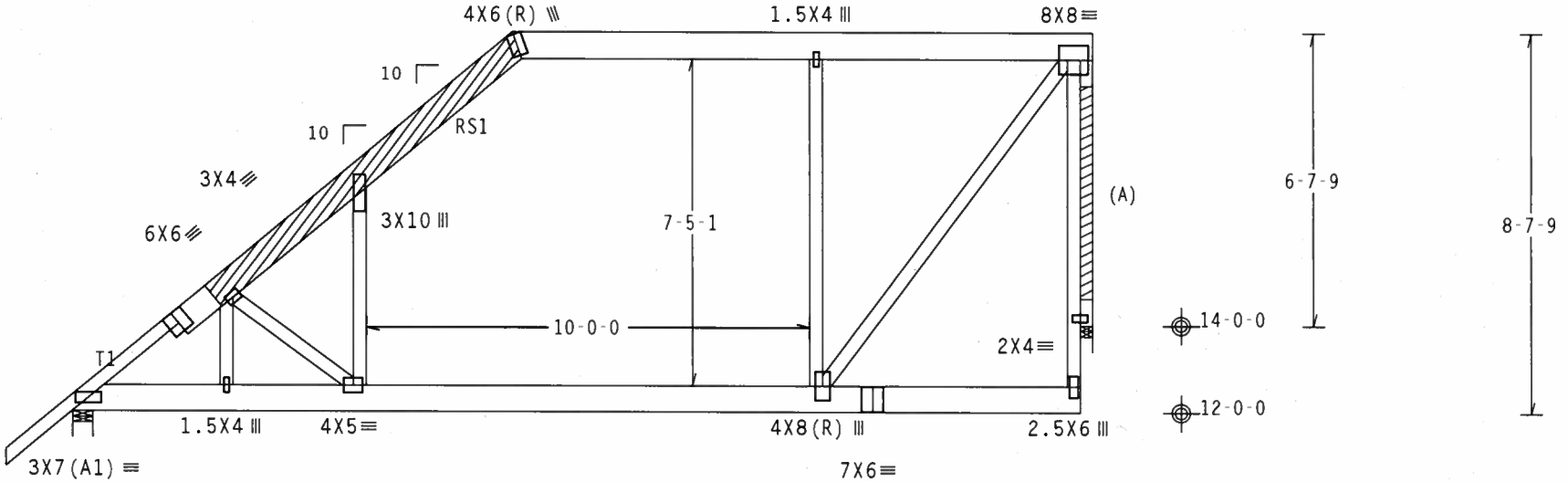
Wind reactions based on MWFRS pressures.

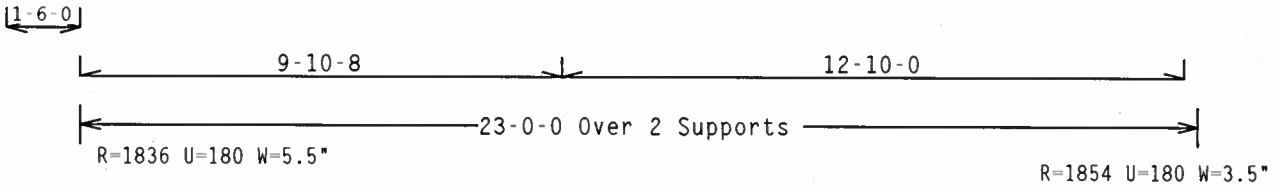
Right end vertical not exposed to wind pressure.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-7-0 to 16-10-8.

RS1 (1) 2x8X9-0-0 SP #1 Dense Top chord scab centered 6-8-10 from left end. Attach to one face of chord with (4) rows of 12d_Common_(0.148"x3.25",_min.)_nails @ 6" O.C., staggered 3".





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.31.0 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 '06

TC LL	20.0 PSF	REF R487-- 63904
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307132
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 12970 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

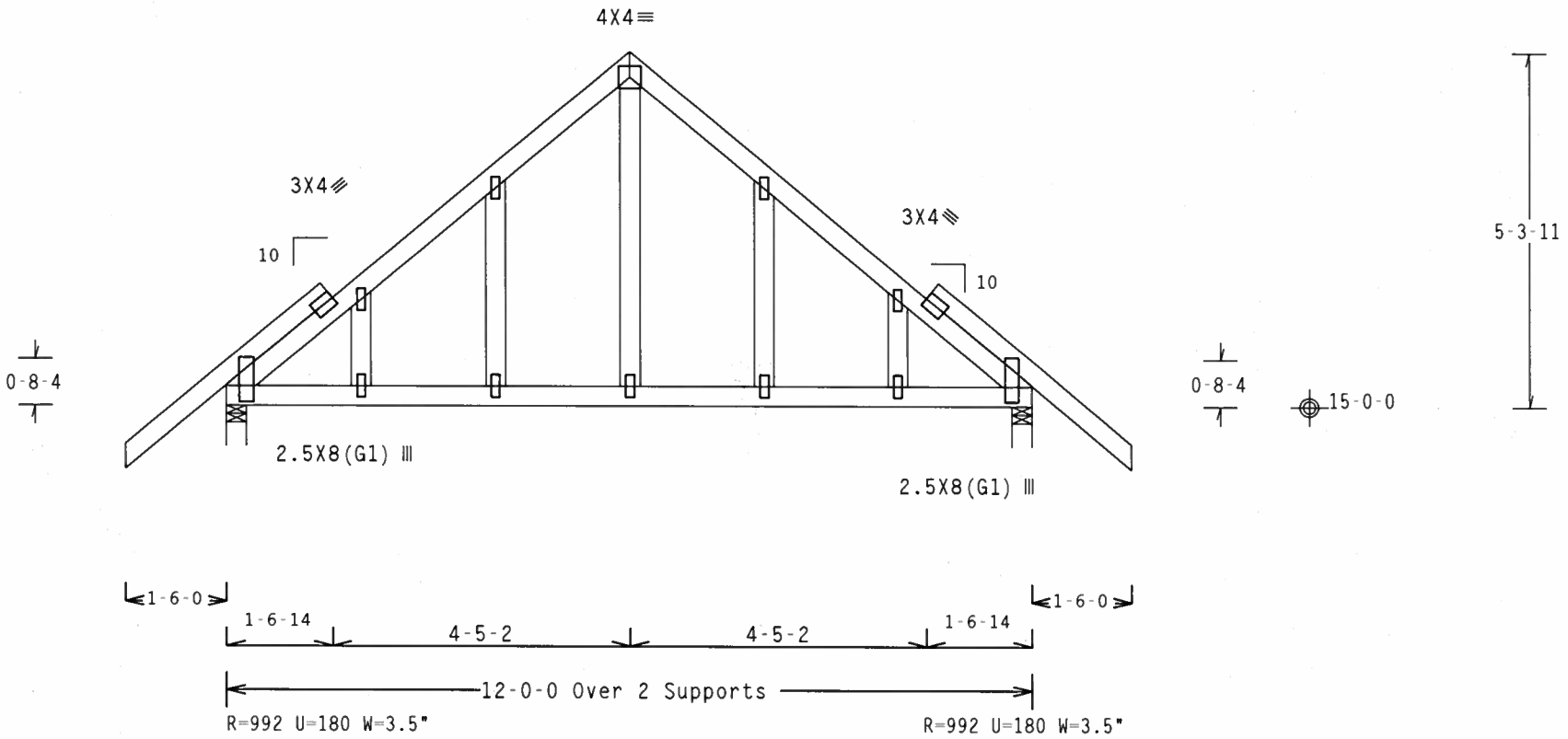
Wind reactions based on MWFRS pressures.

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

WARNING! 2 UNPLATED JOINT(S)

110 mph wind, 17.37 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]CY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #[illegible]

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ARTHUR R. FISHER LICENSE No. 69687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63905
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307068
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	135052 REV
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T20487_Z01

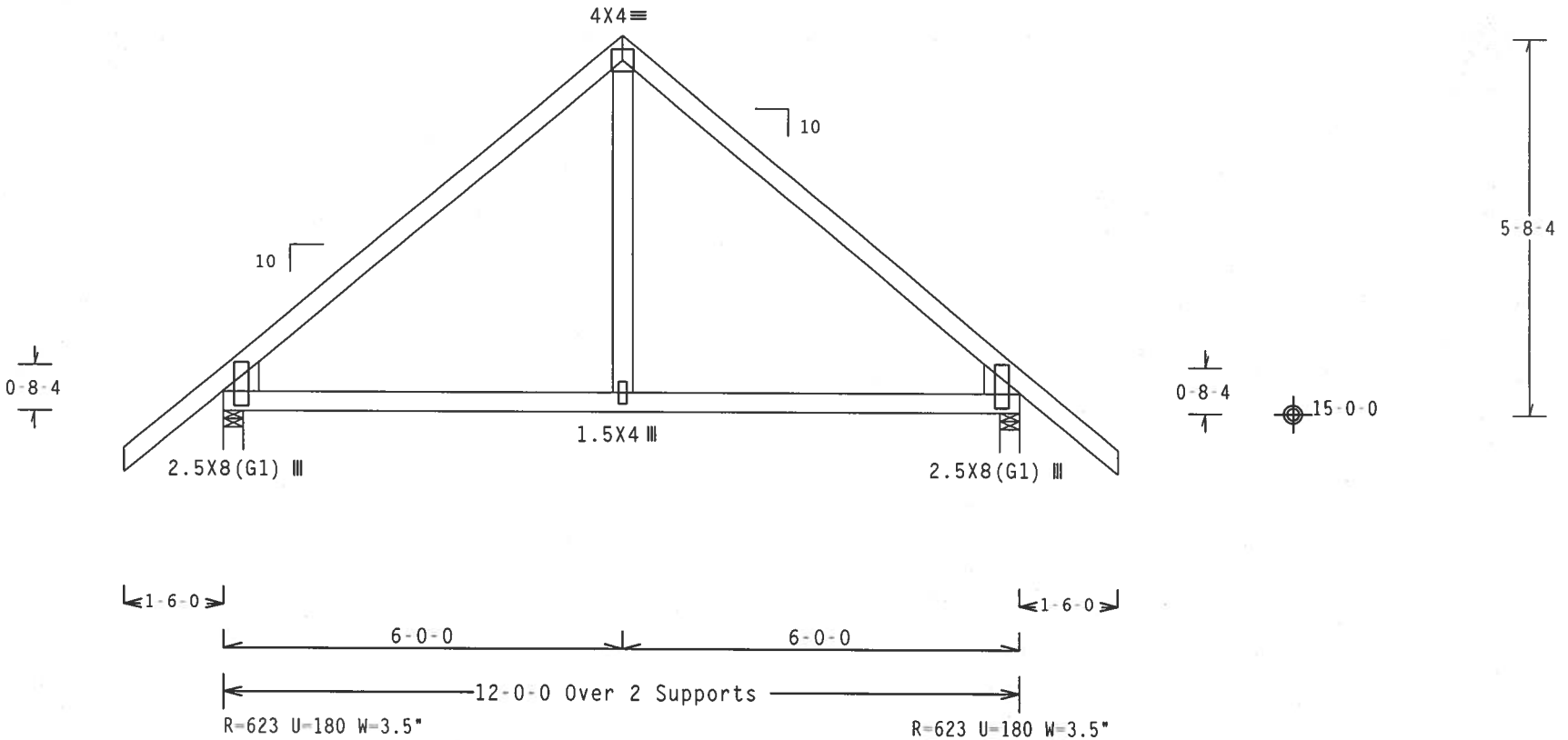
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x6 SP #2::Rt Stubbed Wedge 2x6 SP #2:

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

110 mph wind, 17.56 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.

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

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Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63906
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307100
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 135046
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - AP1)

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

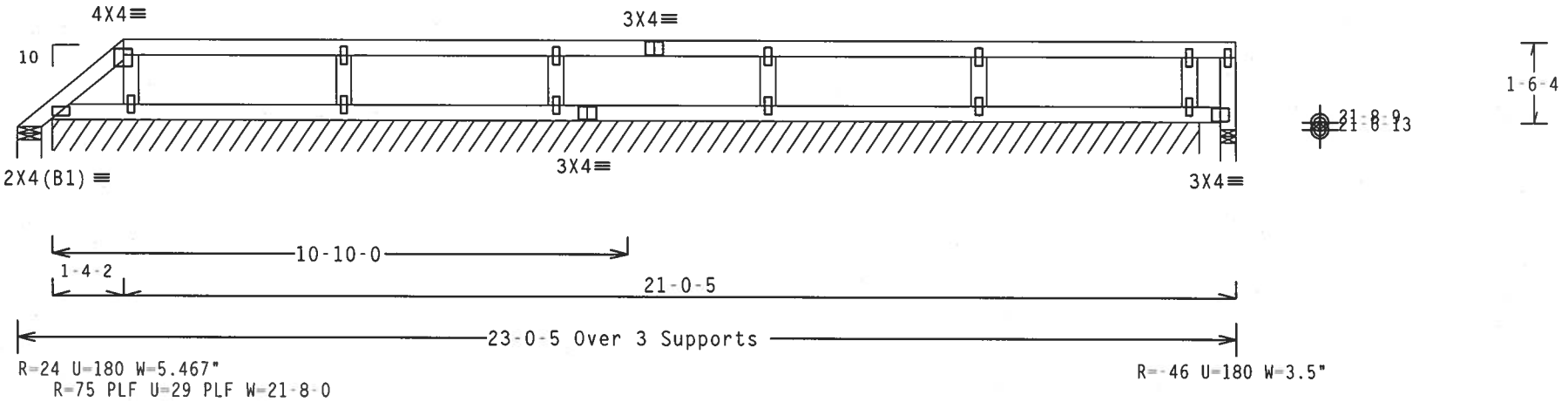
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 22.40 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

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Haines City, FL 33844
Certificate of Authorization #

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No[illegible] 06

TC LL	20.0 PSF	REF	R487-- 63907
TC DL	10.0 PSF	DATE	11/03/06
BC DL	2.0 PSF	DRW	HCUSR487 06307069
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	32.0 PSF	SEQN-	135687
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

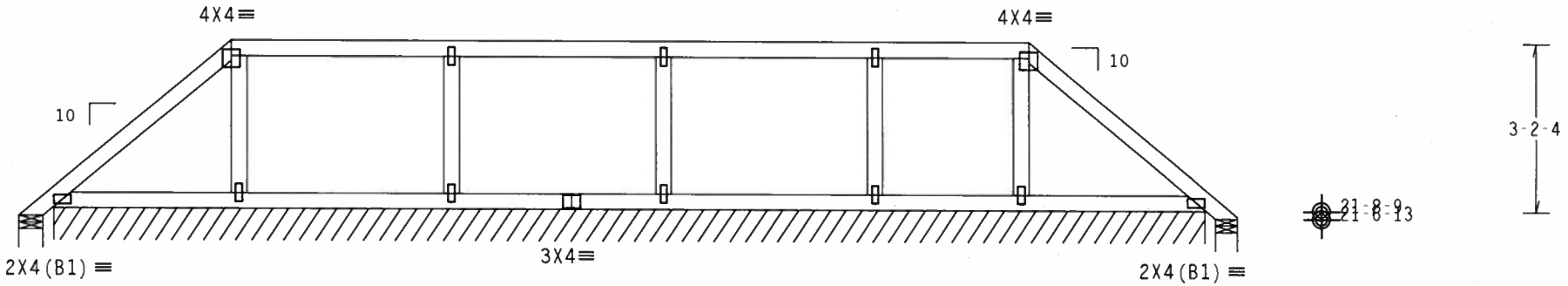
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 23.23 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
The Certificate of Authorization # [illegible]

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63908
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307070
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135682
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

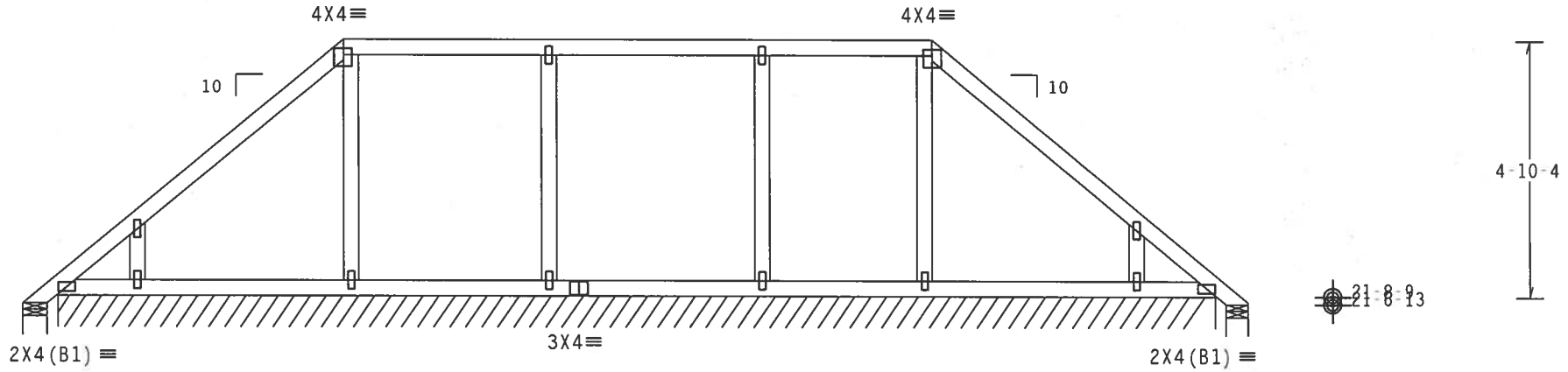
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 24.07 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63909
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307071
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135678
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - AP4)

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

110 mph wind, 24.90 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.

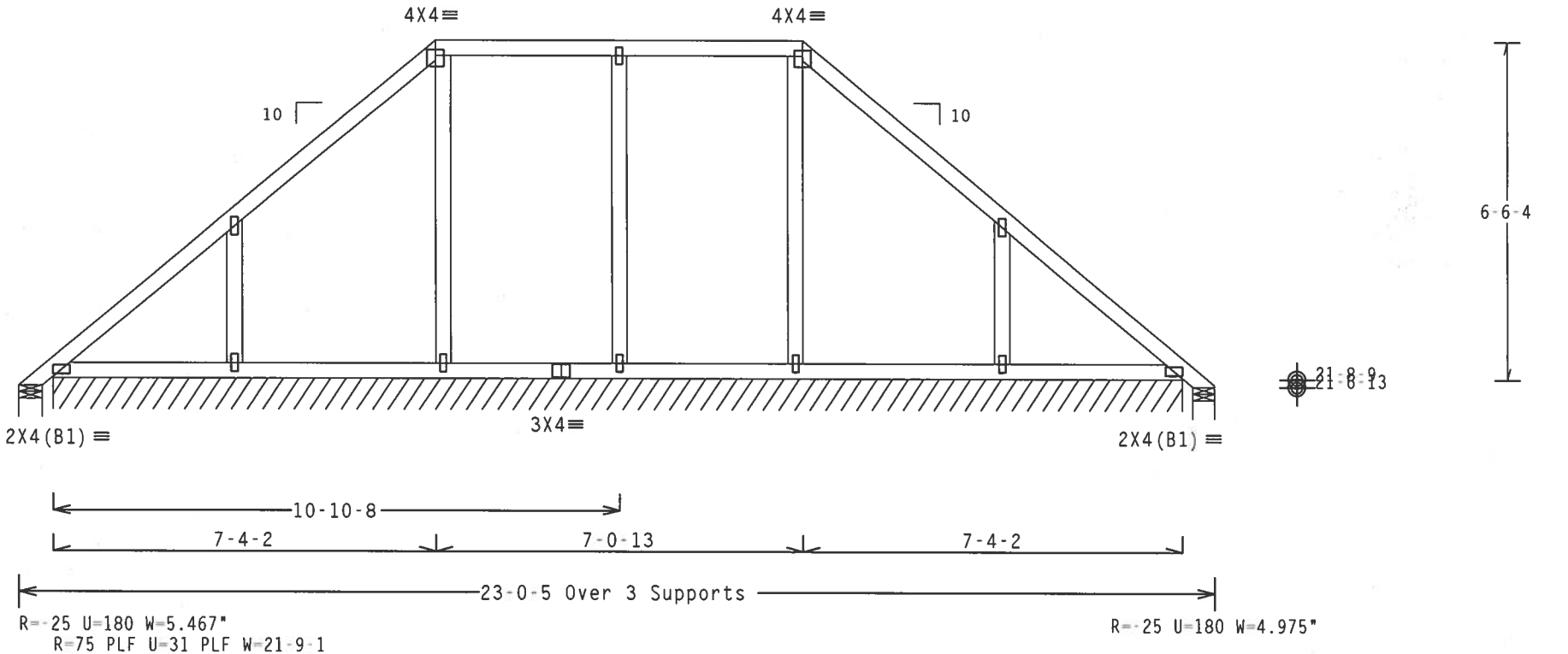
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 23.02
BC - From 4 PLF at 0.00 to 4 PLF at 23.02

Wind reactions based on MWFRS pressures.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible]Y:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
[illegible]

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63910
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307072
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135674
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

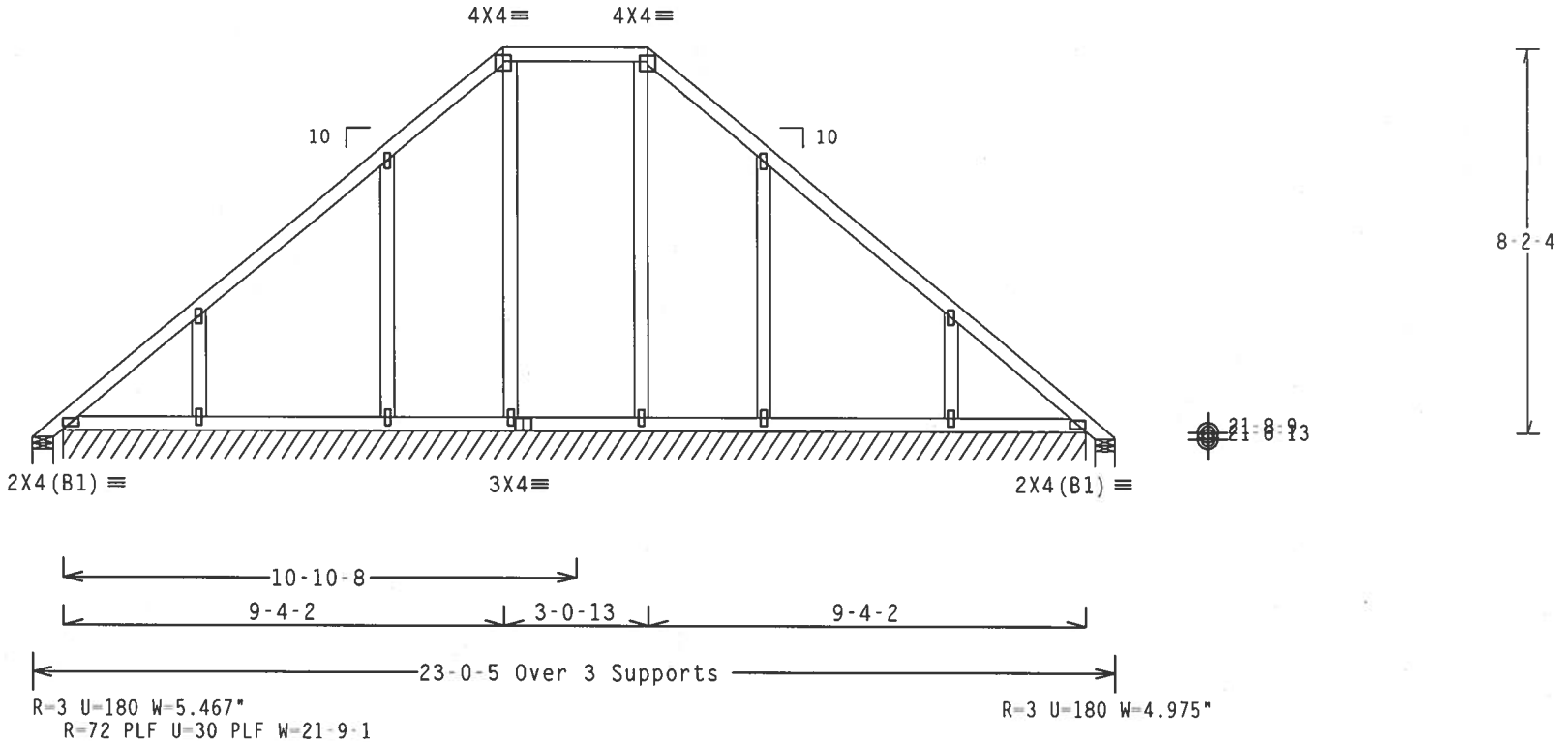
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 25.73 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible] TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificat[illegible]ization #

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63911
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307073
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135671
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

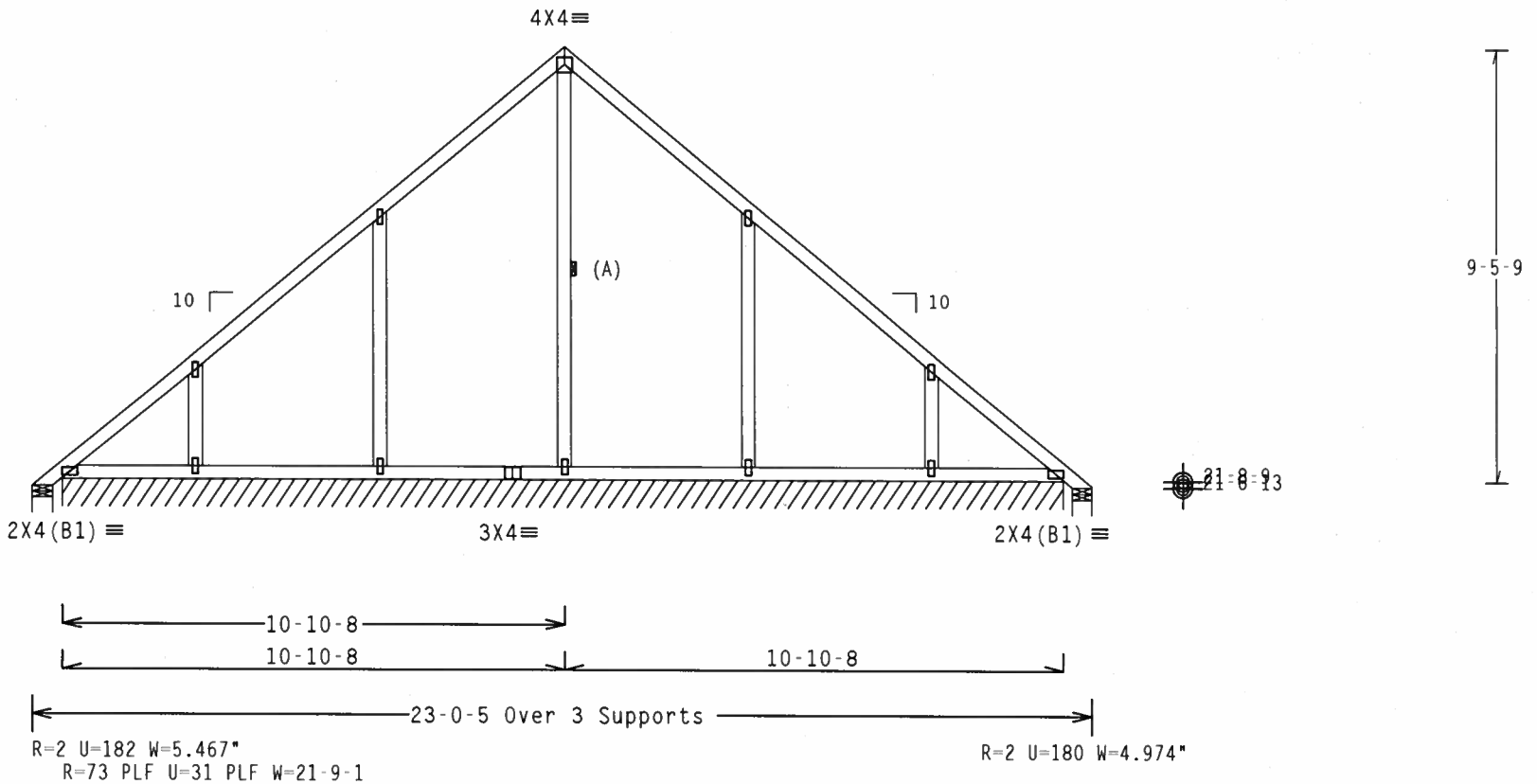
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 26.37 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

(A) Continuous lateral bracing equally spaced on member.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63912
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307074
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135664
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

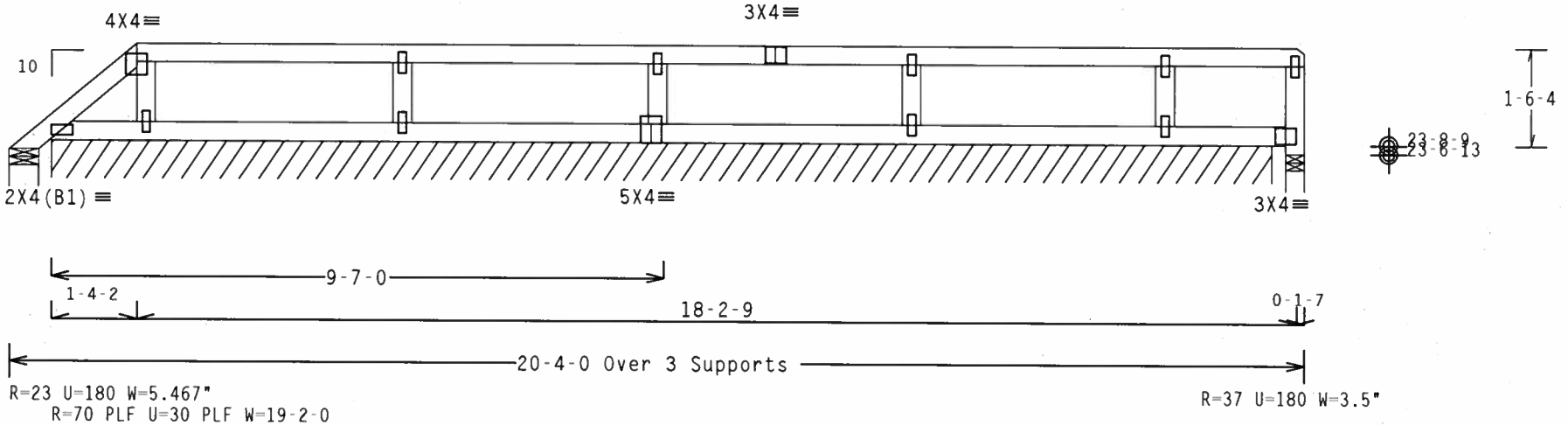
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 24.40 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

Scale =.375"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 29687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 06

TC LL	20.0 PSF	REF R487-- 63913
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307075
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135602
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

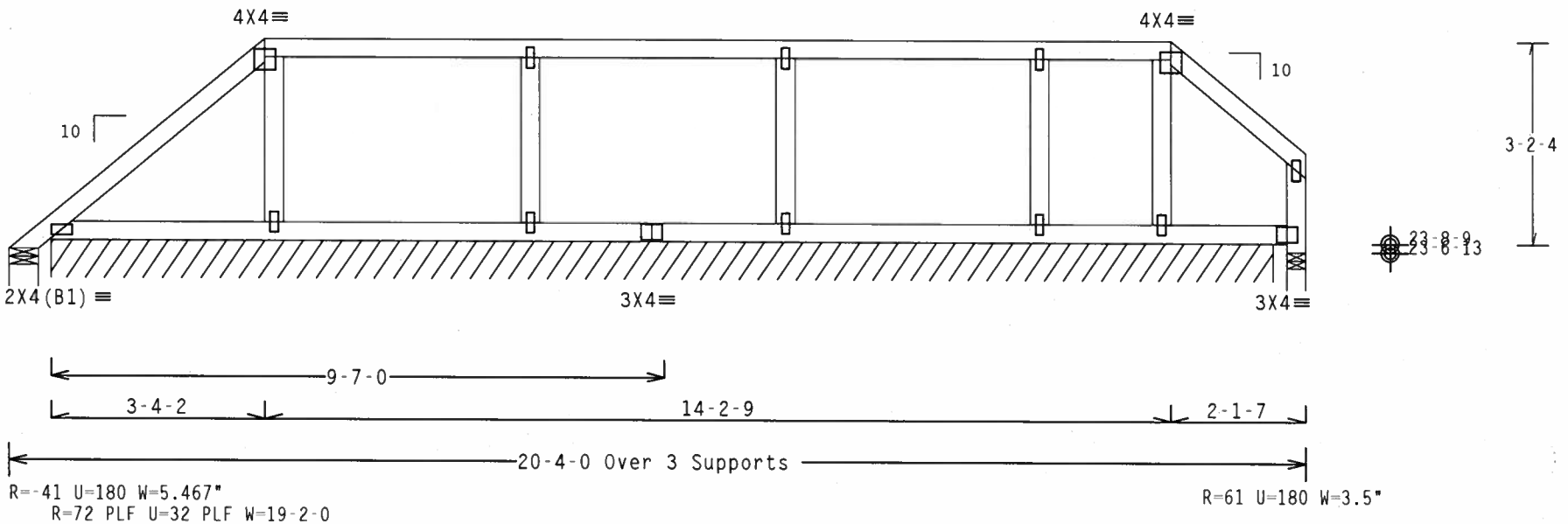
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 25.23 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63914
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307076
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135611
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

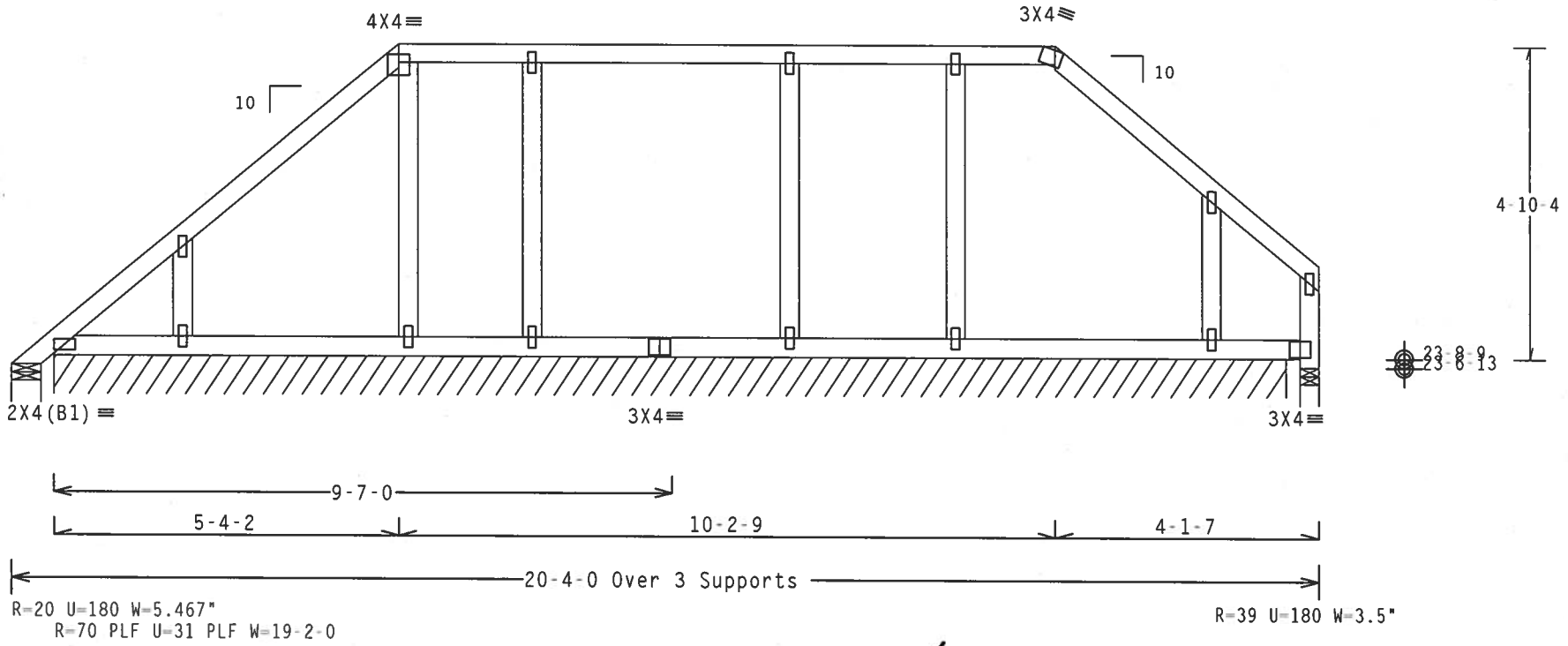
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 26.07 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No. 59487 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 5657

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

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TC LL	20.0 PSF	REF	R487-- 63915
TC DL	10.0 PSF	DATE	11/03/06
BC DL	2.0 PSF	DRW	HCUSR487 06307077
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	32.0 PSF	SEQN-	135618
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

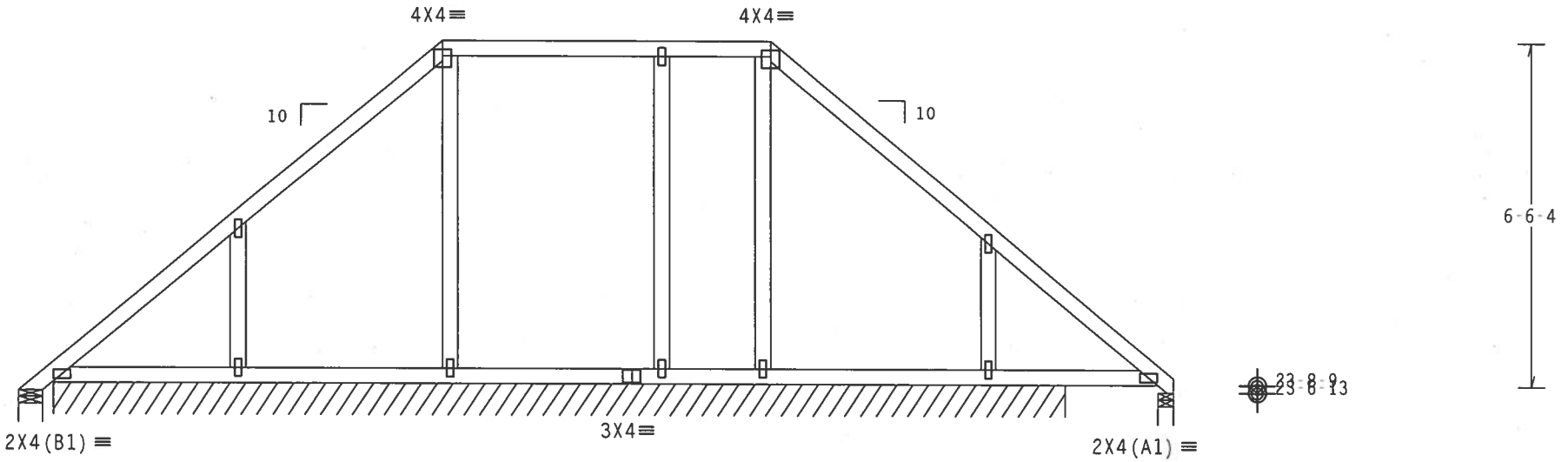
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 26.90 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] QTY:1 FL/-/4/-/-/R/-

Scale =.3125"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63916
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307078
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135625
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

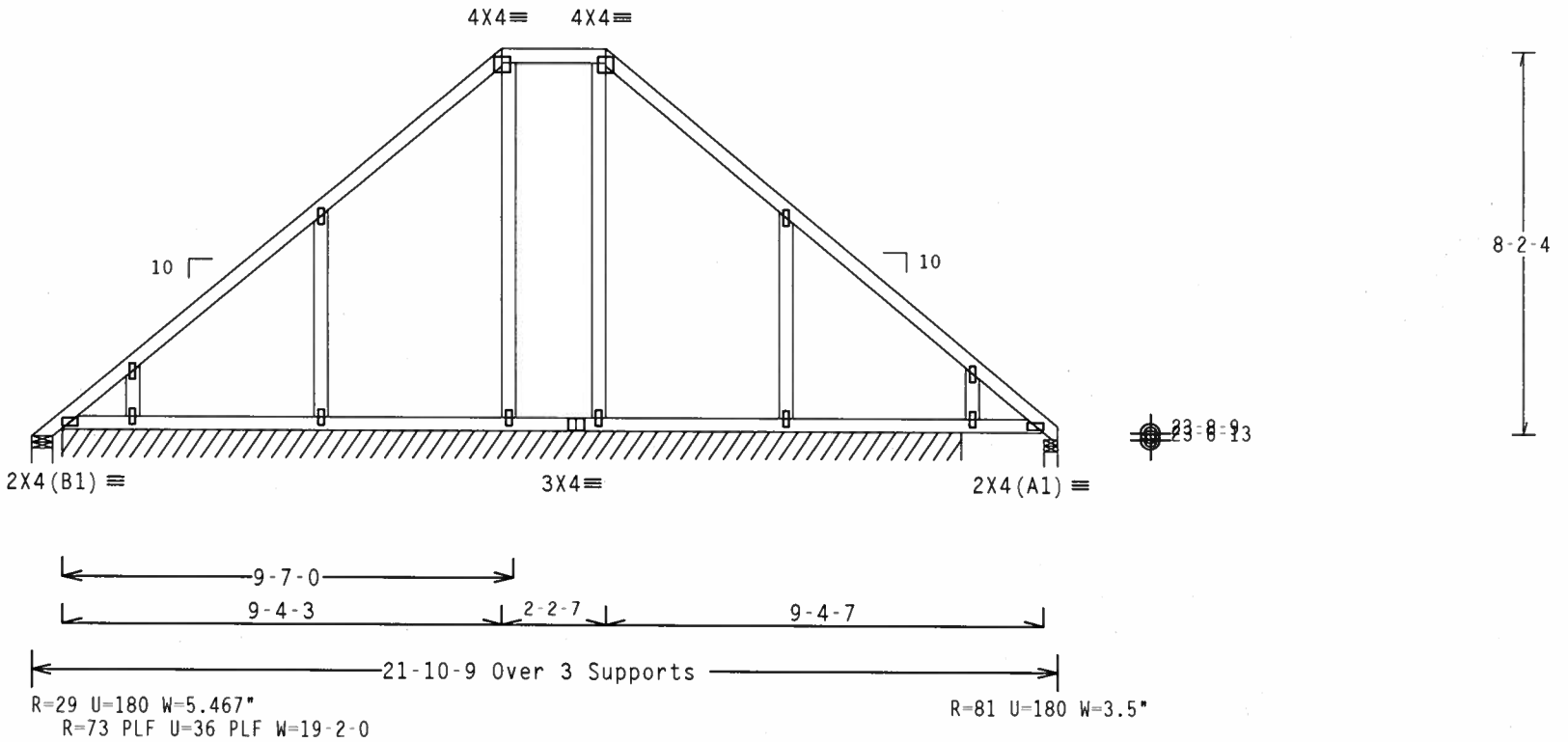
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 27.73 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844

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ARTHUR R FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63917
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307079
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135631
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6 365 Travis Timmons , ** BP6)

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

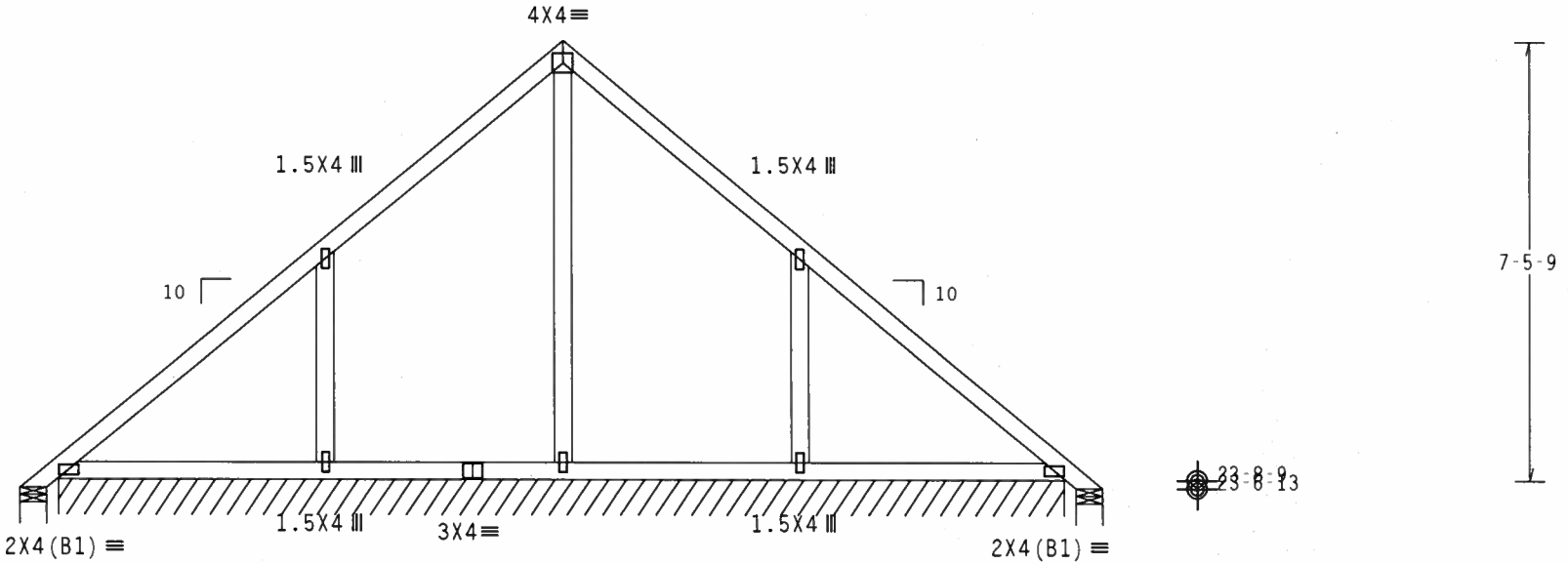
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 27.37 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63918
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307080
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135636
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6 365 Travis Timmons , ** DP1)

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

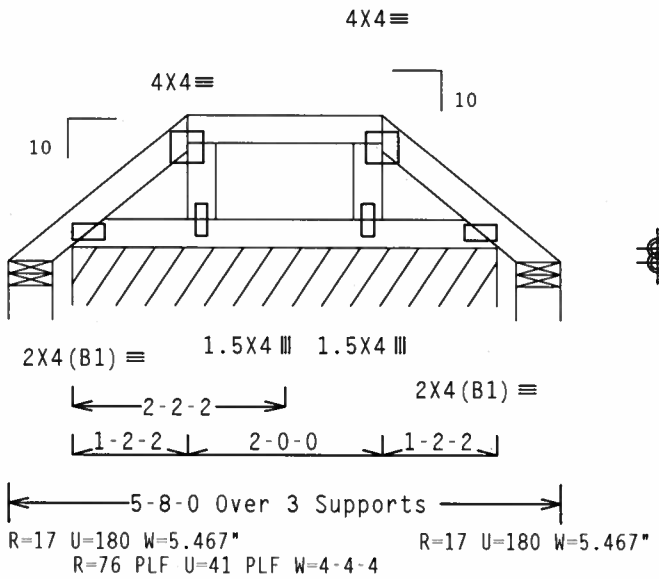
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 22.47 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



21-10-4
21-8-8

1-4-9

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 '06

TC LL	20.0 PSF	REF R487-- 63919
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307081
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135038
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6 365 Travis Timmons , ** DP2)

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

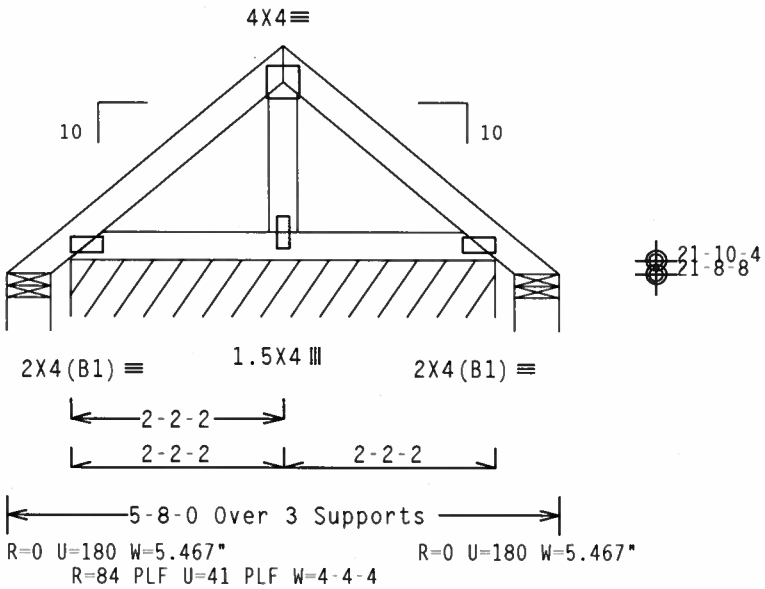
Wind reactions based on MWFRS pressures.

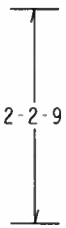
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 22.89 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

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TC LL	20.0 PSF	REF	R487-- 63920
TC DL	10.0 PSF	DATE	11/03/06
BC DL	2.0 PSF	DRW	HCUSR487 06307082
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	32.0 PSF	SEQN-	135043
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

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

Wind reactions based on MWFRS pressures.

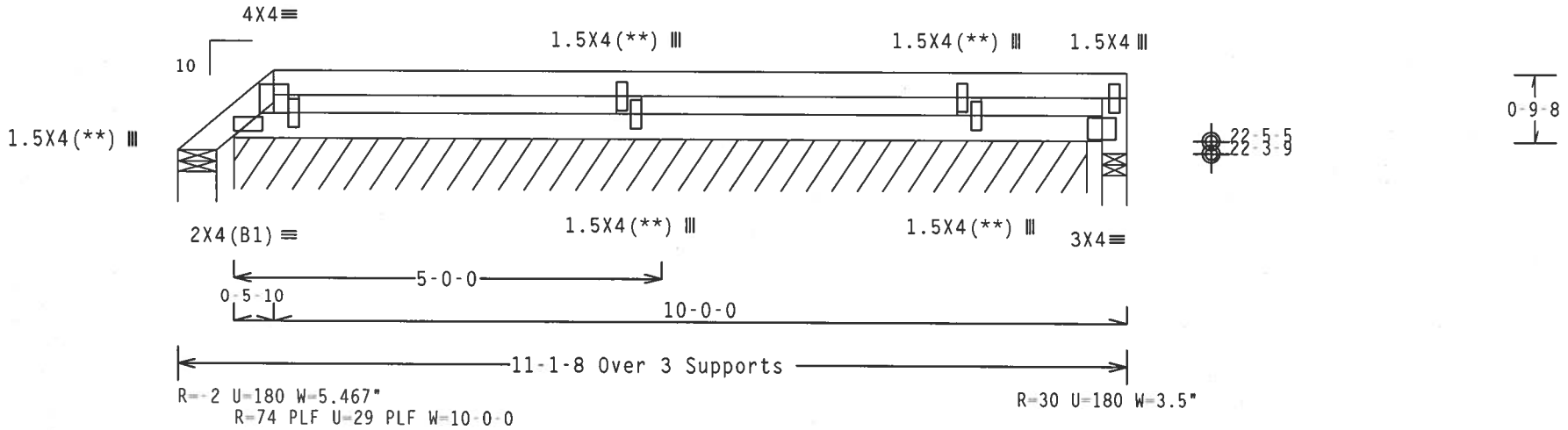
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

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

110 mph wind, 22.77 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.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 06, 2006

TC LL	20.0 PSF	REF R487-- 63921
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307083
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135281
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

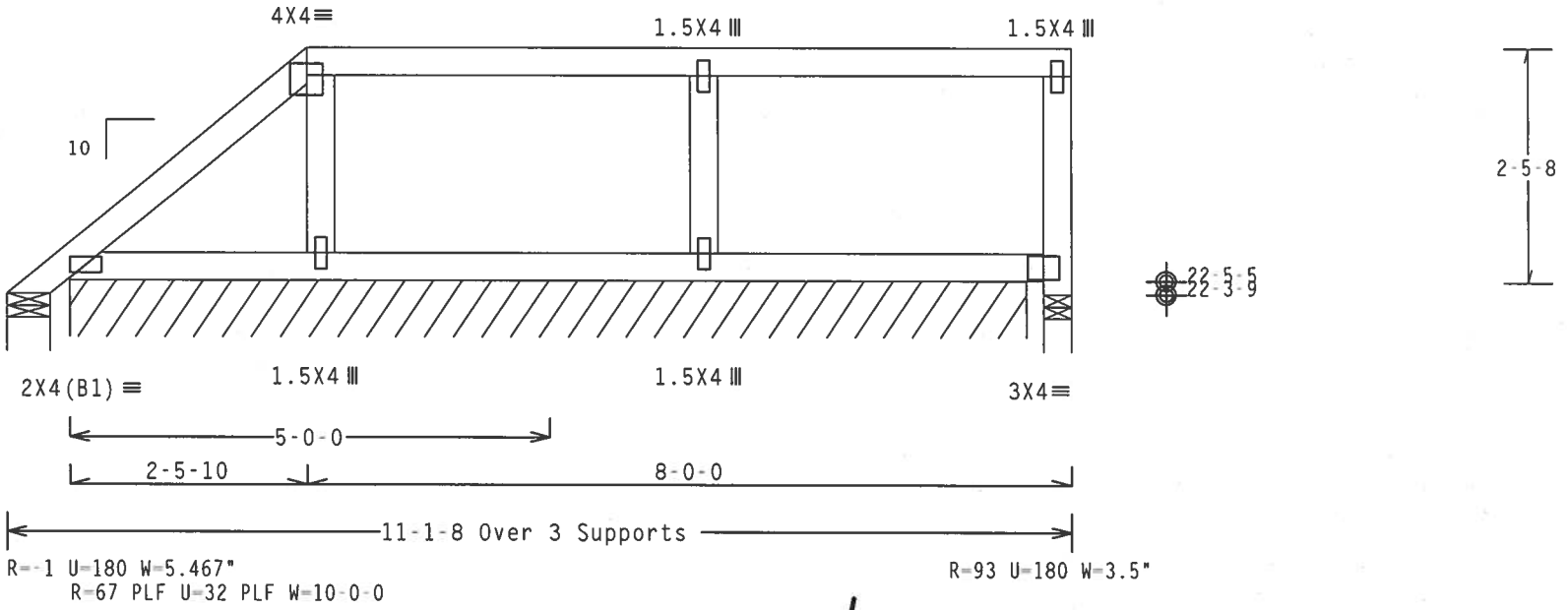
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 23.60 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.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible] KAY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
[illegible]Certificate[illegible]zation #

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63922
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307084
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135288
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

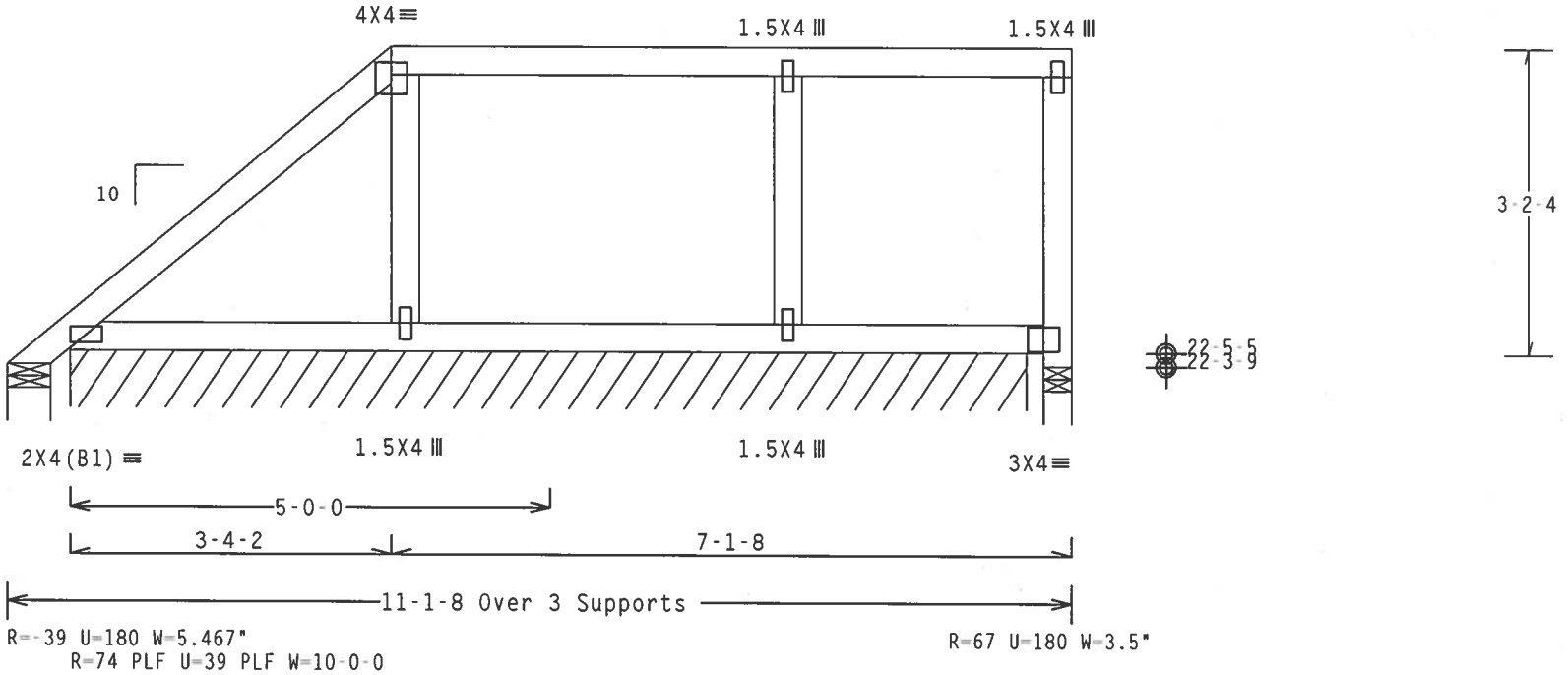
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 23.96 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.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF	R487-- 63923
TC DL	10.0 PSF	DATE	11/03/06
BC DL	2.0 PSF	DRW	HCUSR487 06307085
BC LL	0.0 PSF		HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN-	135295
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T20487_Z01

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 5627

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

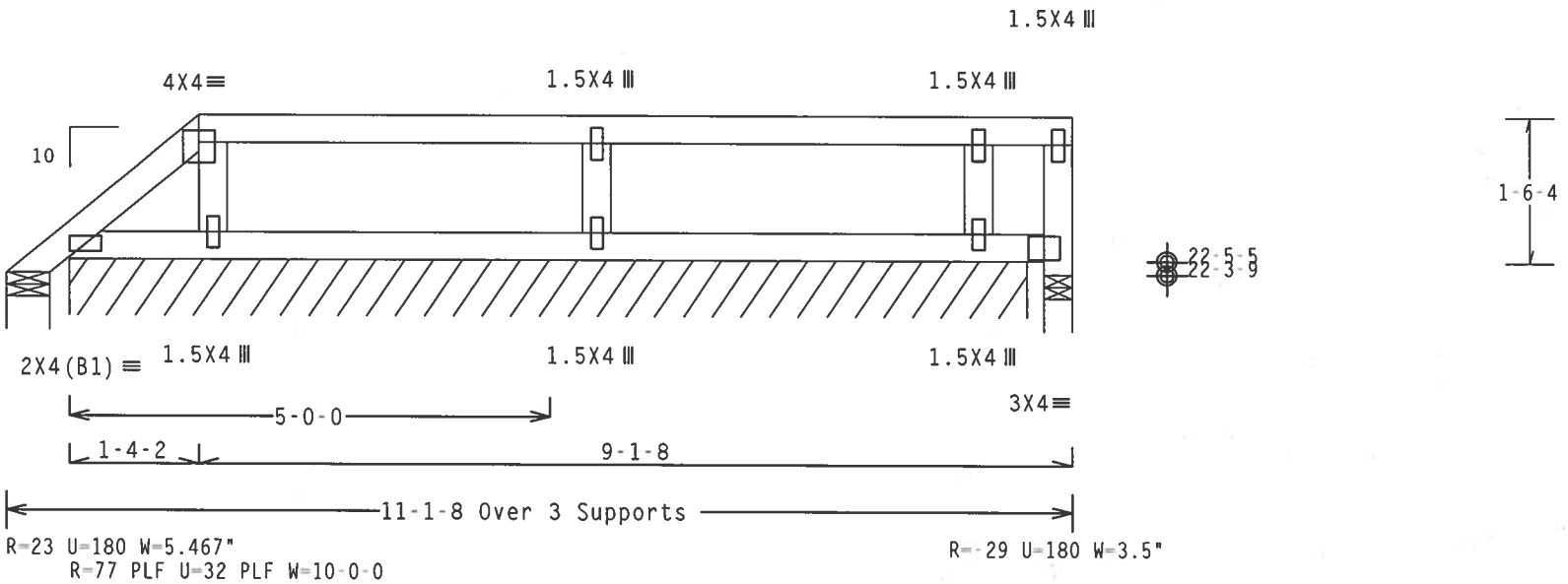
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 23.13 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ARTHUR R. FISHER LICENSE No 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

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

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

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TC LL	20.0 PSF	REF R487-- 63924
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307086
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135302
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6 365 Travis Timmons , ** SP1)

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

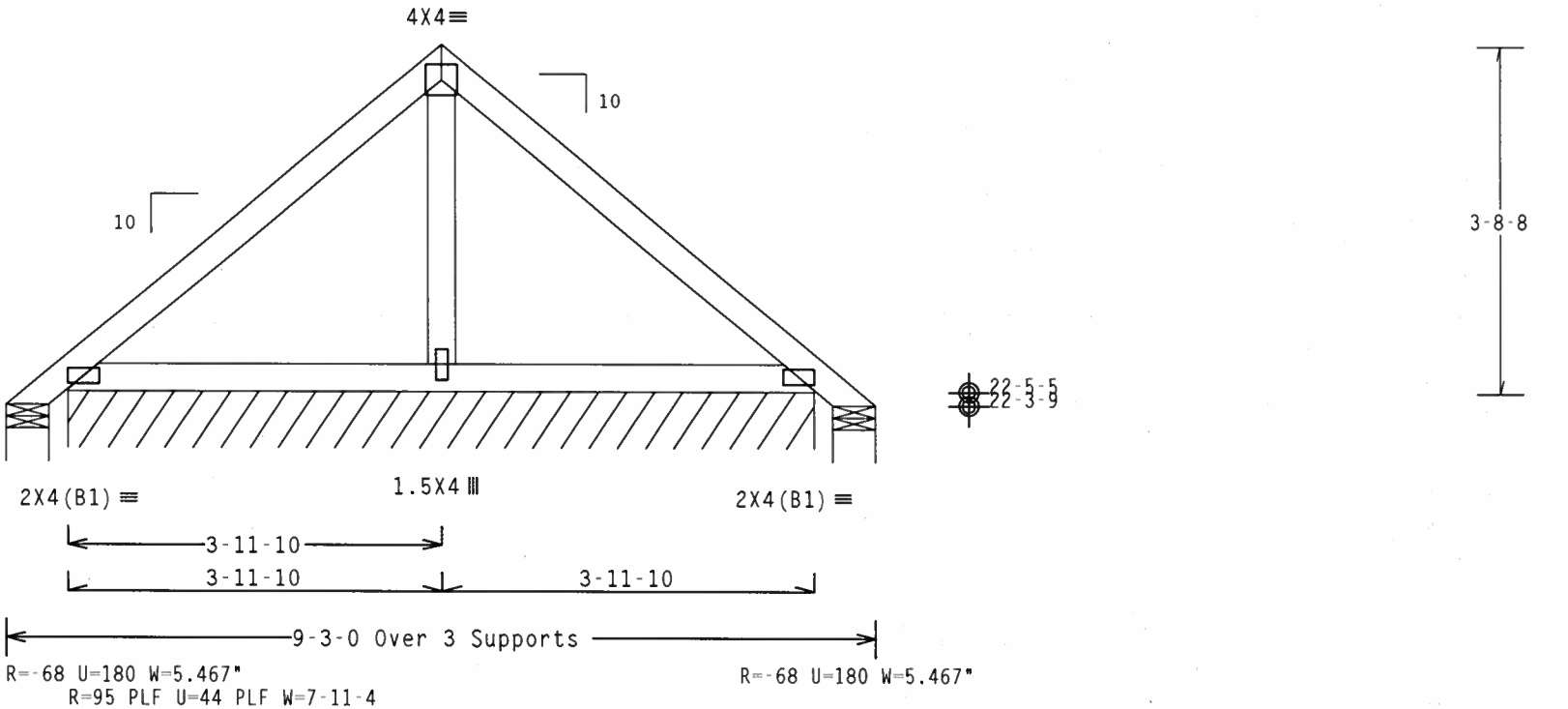
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 24.22 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 structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

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

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOV 03 '06

TC LL	20.0 PSF	REF R487-- 63925
TC DL	10.0 PSF	DATE 11/03/06
BC DL	2.0 PSF	DRW HCUSR487 06307087
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	32.0 PSF	SEQN- 135475
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_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, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

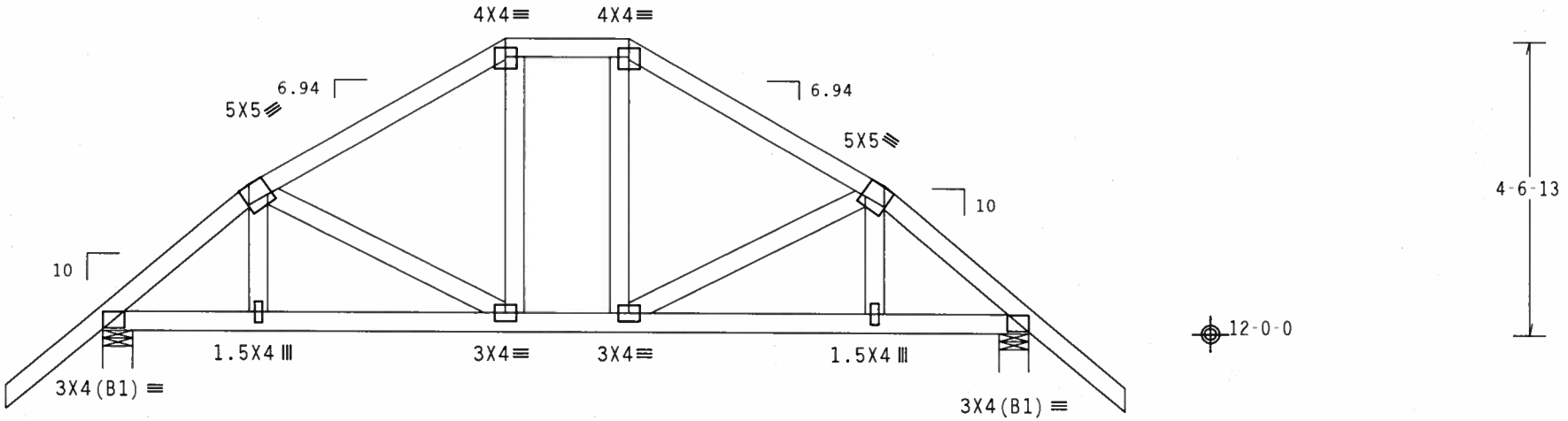
Wind reactions based on MWFRS pressures.

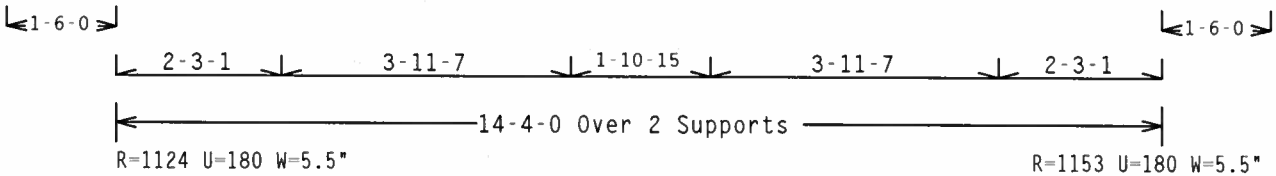
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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

TC	From	66 PLF	at	-1.50	to	66 PLF	at 2.26
TC	From	63 PLF	at	2.26	to	63 PLF	at 6.21
TC	From	63 PLF	at	6.21	to	63 PLF	at 12.08
TC	From	66 PLF	at	12.08	to	66 PLF	at 15.83
BC	From	5 PLF	at	-1.50	to	5 PLF	at -0.00
BC	From	20 PLF	at	-0.00	to	20 PLF	at 14.33
BC	From	5 PLF	at	14.33	to	5 PLF	at 15.83
TC	13 LB	Conc. Load	at	2.26,	12.08		
TC	108 LB	Conc. Load	at	4.64,	9.33		
TC	138 LB	Conc. Load	at	6.21,	8.12		
TC	42 LB	Conc. Load	at	11.80			
BC	41 LB	Conc. Load	at	4.64,	9.33		
BC	48 LB	Conc. Load	at	6.21,	8.12		
BC	53 LB	Conc. Load	at	6.32,	8.01		
BC	14 LB	Conc. Load	at	11.80			





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR B. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63926
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307088
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134915
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

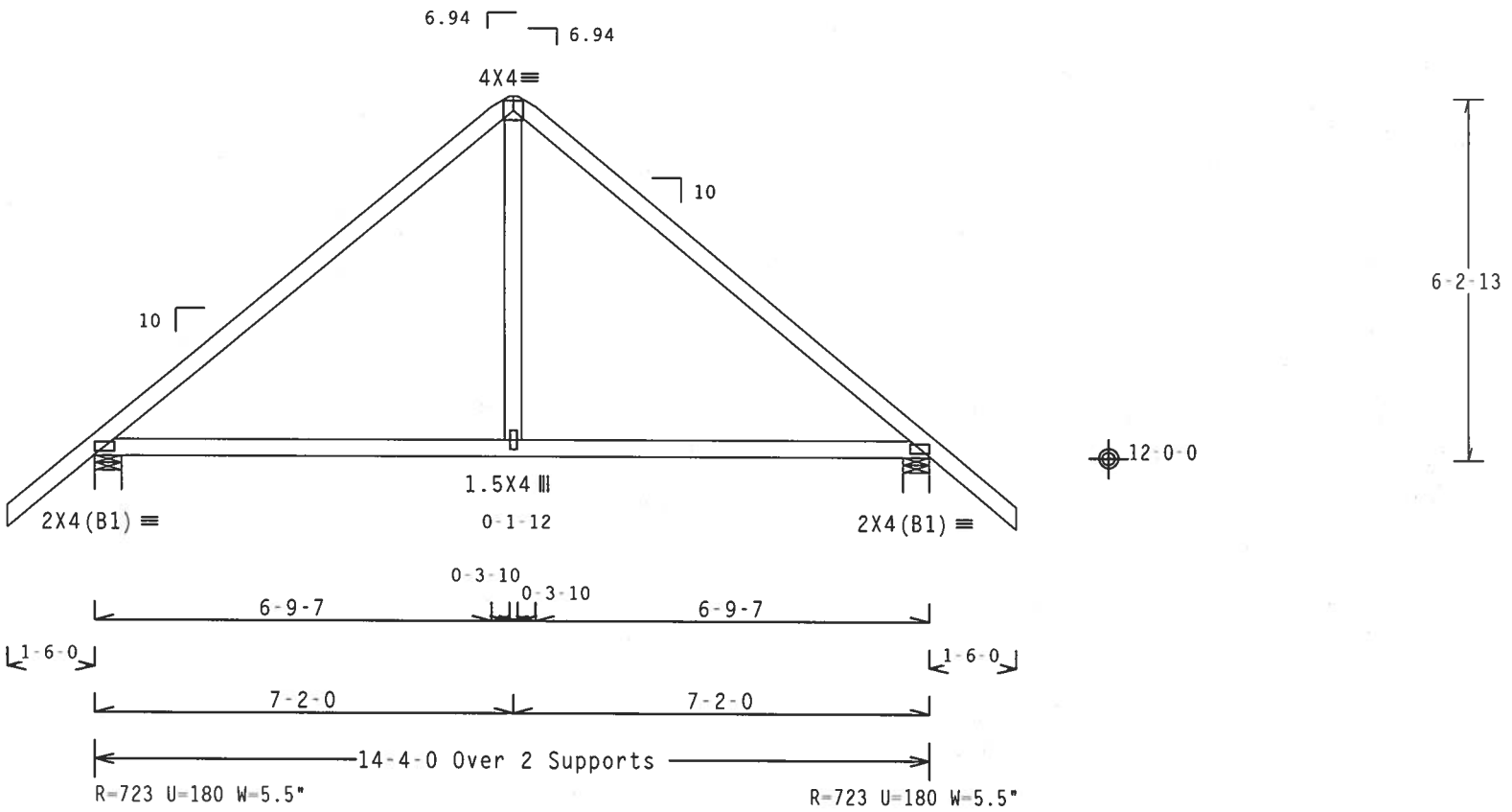
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.13 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.3125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate [illegible]zation #

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ARTHUR R. FISHER LICENSE No. 59667 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov [illegible] '06

TC LL	20.0 PSF	REF R487-- 63927
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307089
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 134921
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

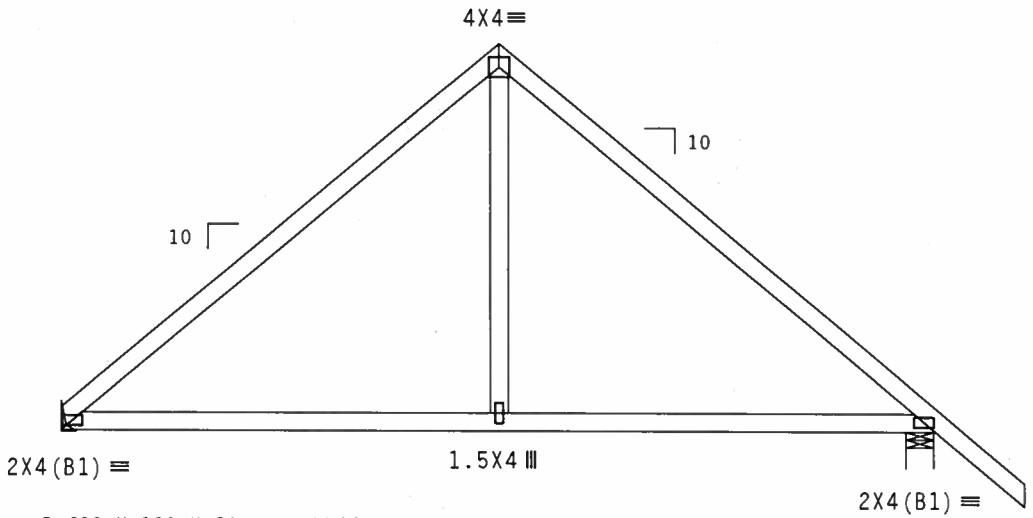
Wind reactions based on MWFRS pressures.

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

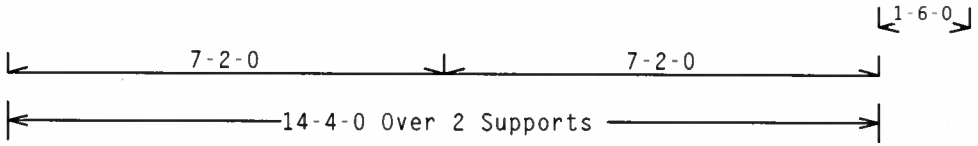
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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



R=609 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine



R=731 U=180 W=5.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

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

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

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TC LL	20.0 PSF	REF R487-- 63928
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307090
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134927
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

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

Wind reactions based on MWFRS pressures.

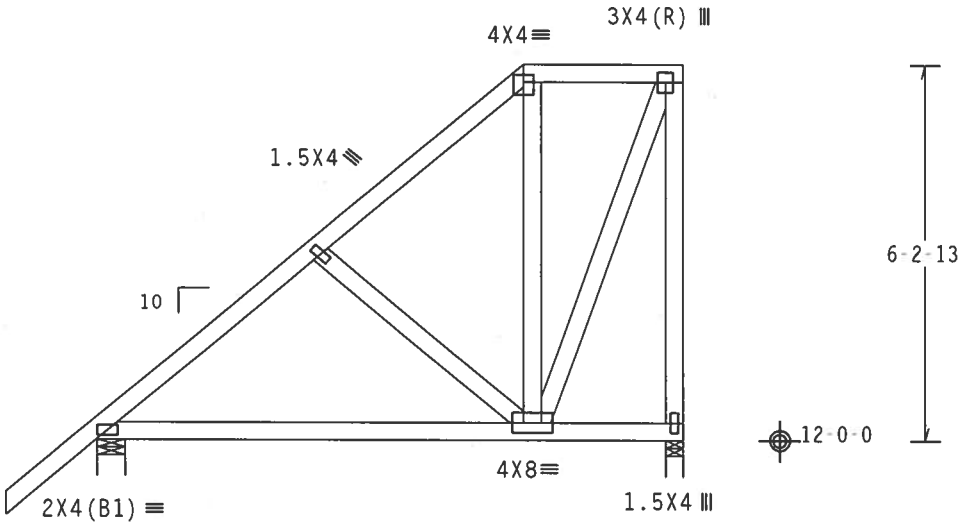
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

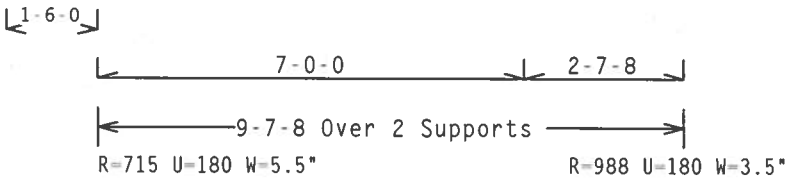
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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ARTHUR B. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No 07 '06

TC LL	20.0 PSF	REF R487-- 63929
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307091
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135247
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - S2)

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

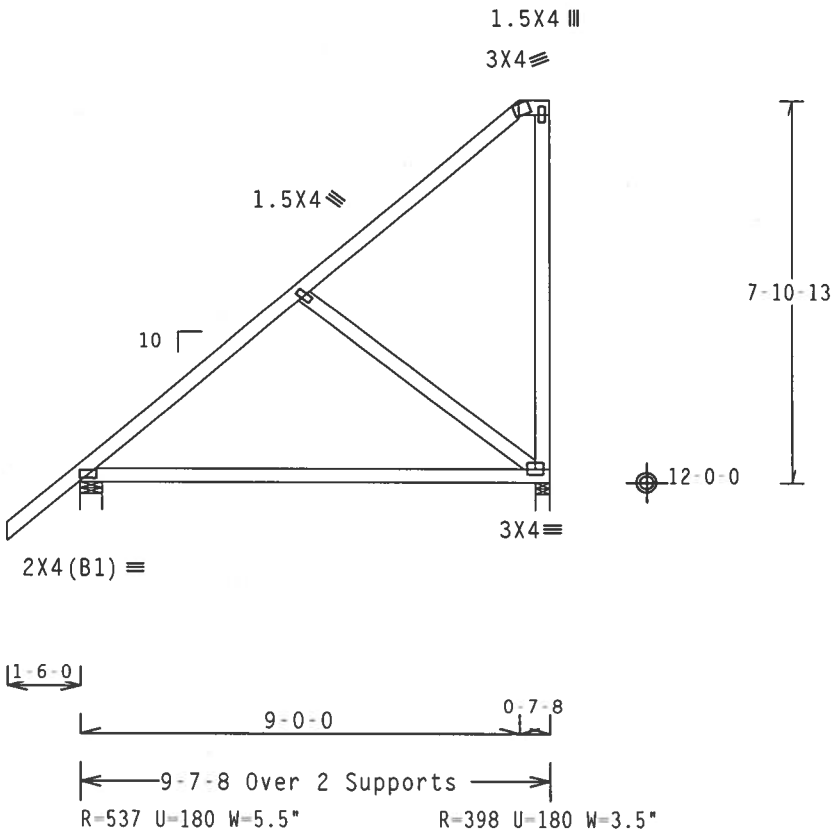
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.53 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible] TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
[illegible]Certificate [illegible]zation #

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov [illegible] '06

TC LL	20.0 PSF	REF R487-- 63930
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307092
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 135266
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

(6-365---- Travis Timmons -- , ** - S3)

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

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

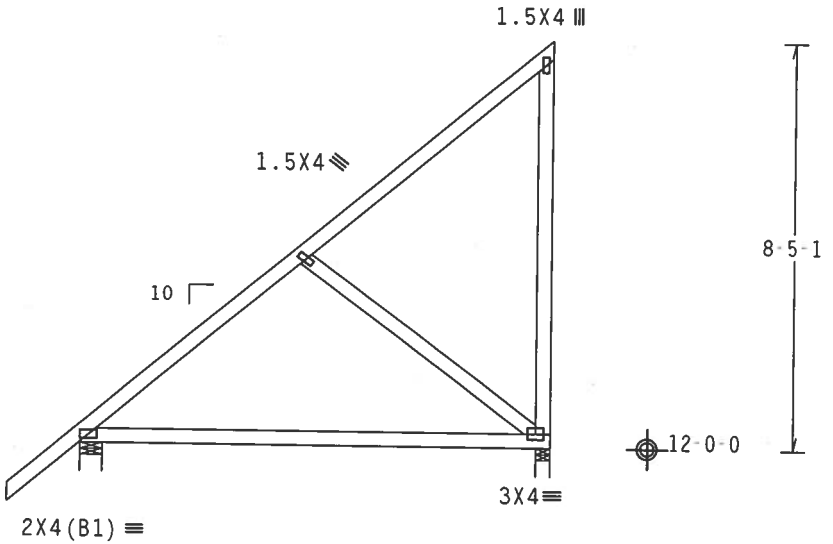
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.79 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



1-6-0

9-7-8 Over 2 Supports

R=537 U=180 W=5.5" R=398 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.24.12 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

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

TC LL	20.0 PSF	REF	R487-- 63931
TC DL	10.0 PSF	DATE	11/03/06
BC DL	10.0 PSF	DRW	HCUSR487 06307093
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	135271
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T20487 Z01

Top chord 2x4 SP #2 Dense :T3 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

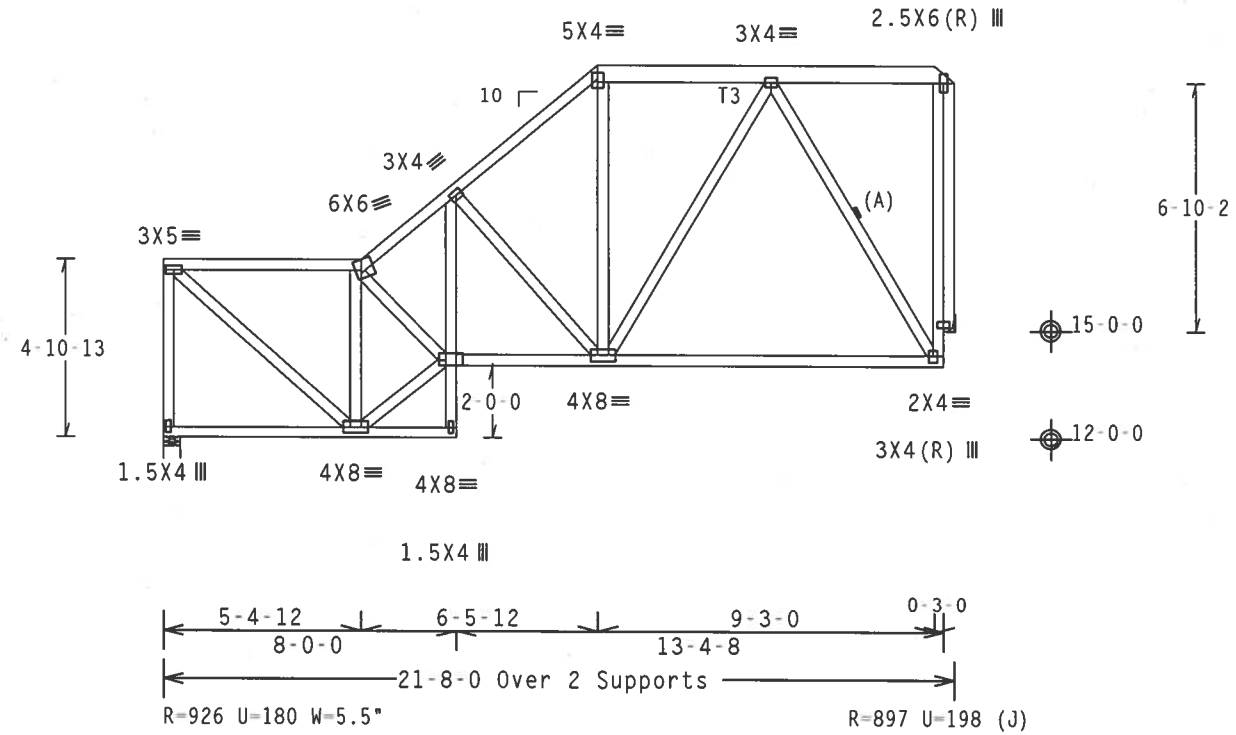
Provide for complete drainage of roof.

110 mph wind, 19.60 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.

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 6173

ARTHUR B. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 06 06

TC LL	20.0 PSF	REF R487-- 63932
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307094
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135457
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

Top chord 2x4 SP #2 Dense :T3 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

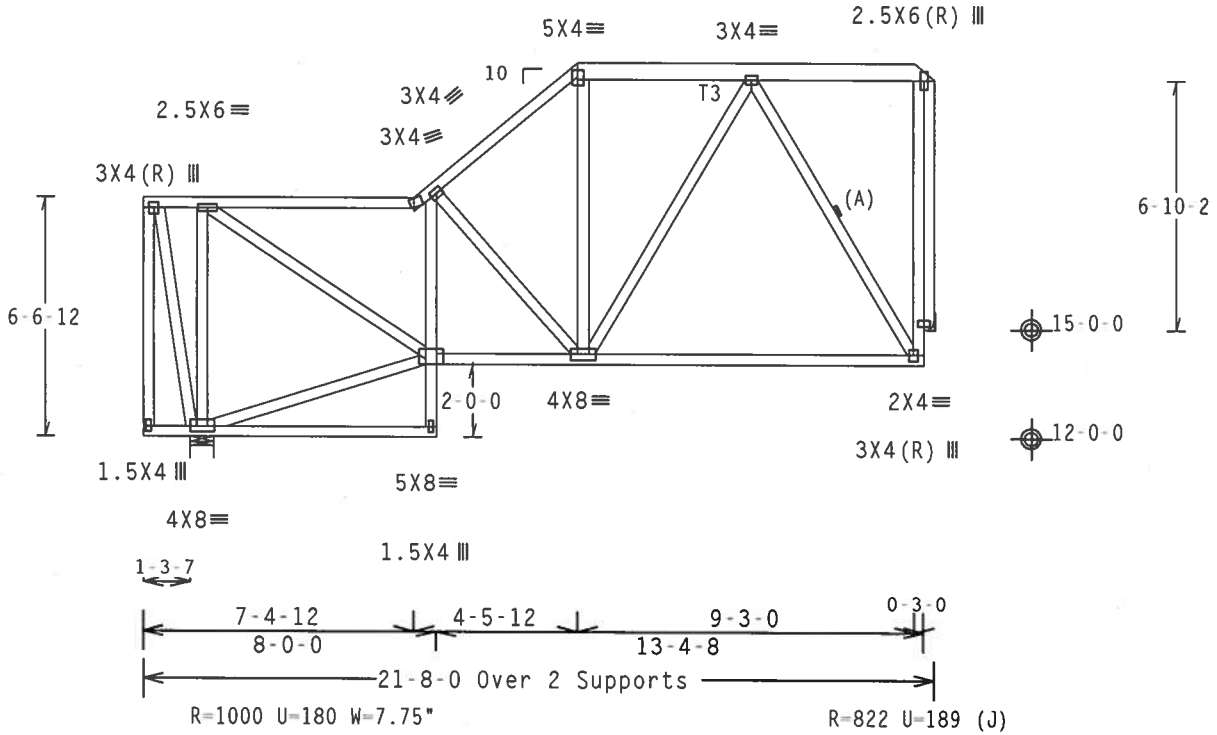
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 20.43 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 5[illegible]

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 03 '06

TC LL	20.0 PSF	REF R487-- 63933
TC DL	10.0 PSF	DATE 11/03/06
BC DL	10.0 PSF	DRW HCUSR487 06307095
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 135470
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T20487_Z01

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

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

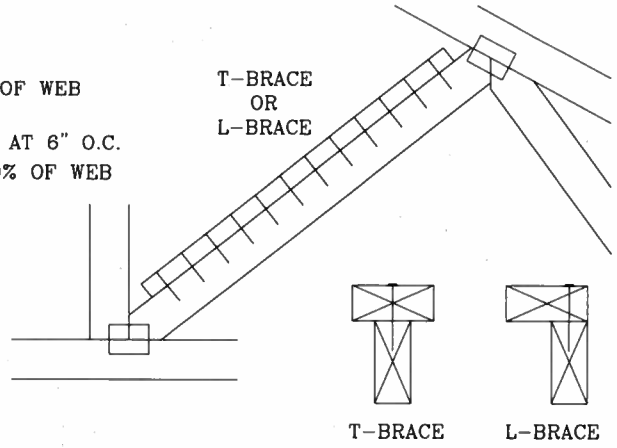
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE

ATTACH WITH 16d NAILS AT 6" O.C.

BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

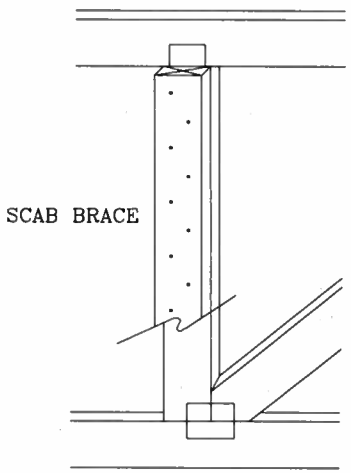


SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.

NO MORE THAN (1) SCAB PER FACE.

ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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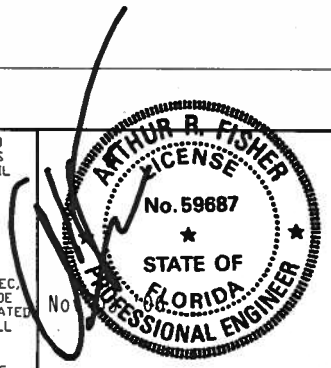


TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

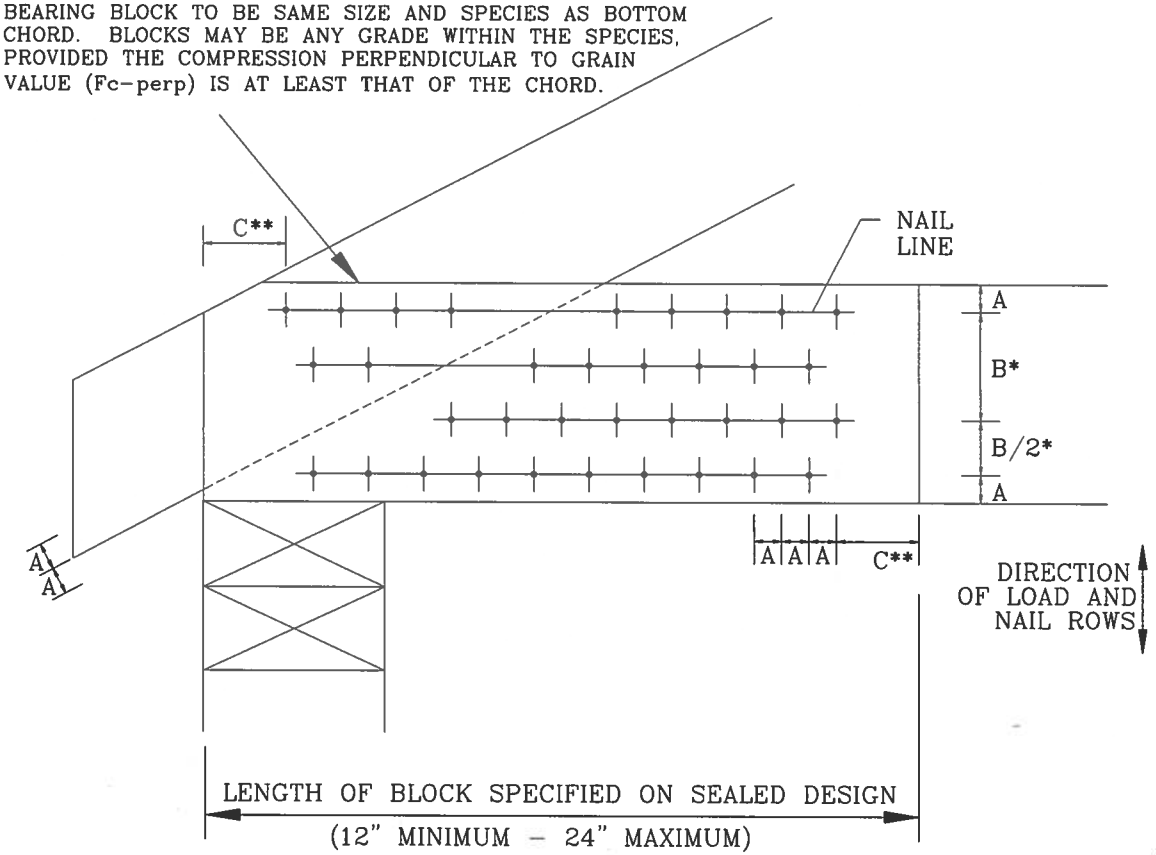
BEARING BLOCK NAIL SPACING DETAIL

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.



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN.

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"

DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 03

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGBLK1103
-ENG	SJP/KAR

PIGGYBACK DETAIL

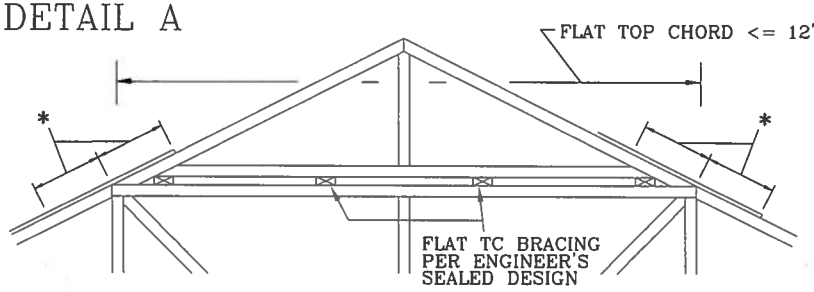
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

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

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATLY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

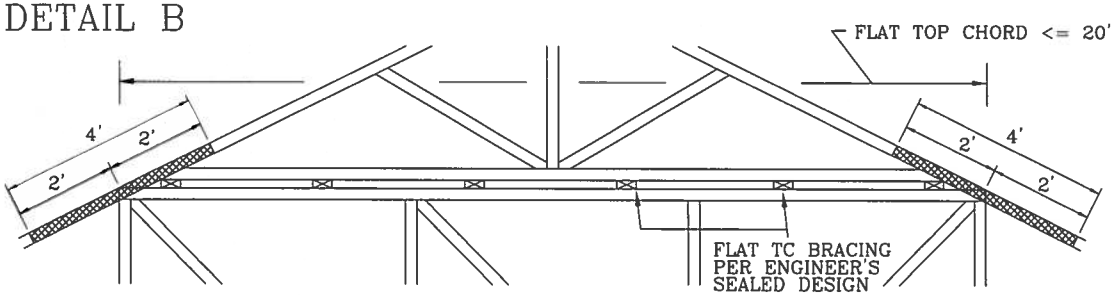
DETAIL A



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

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

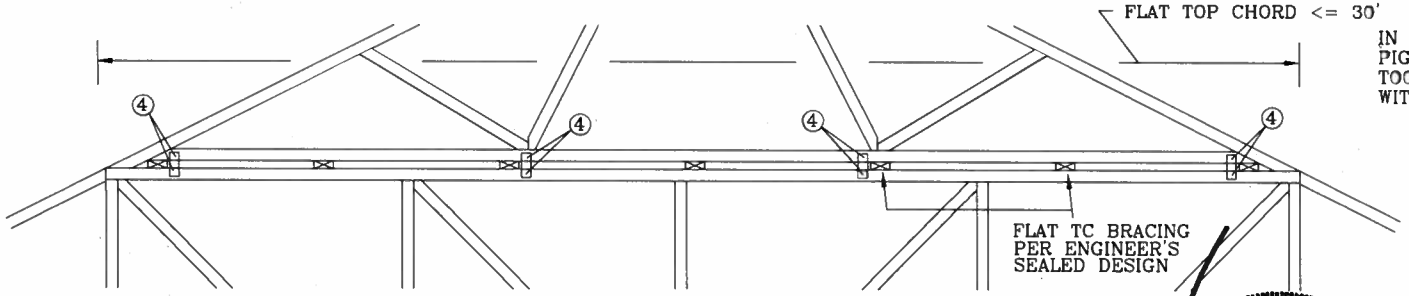
DETAIL B



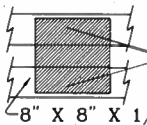
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"X3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C

CAP TRUSS TOENAILED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.



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



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

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NOV 0 3

TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	04/14/05
BC DL	PSF	DRWG	PIGBACKA0405
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD.	MAX 60 PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

PIGGYBACK DETAIL

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

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

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

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

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

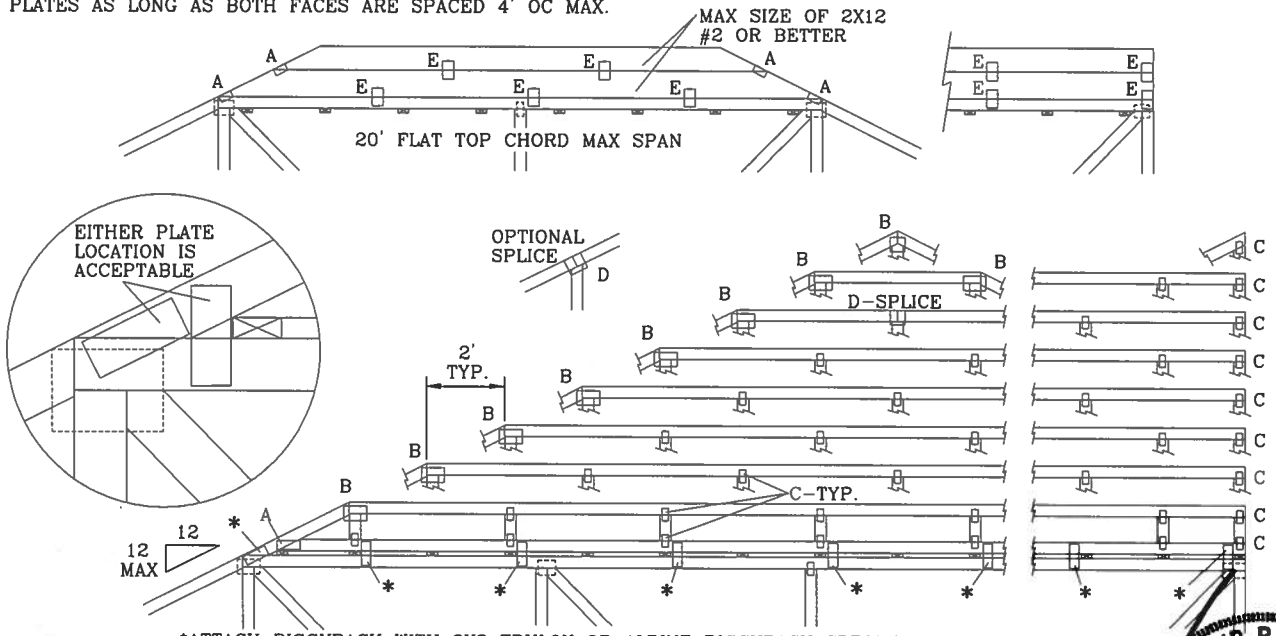
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

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

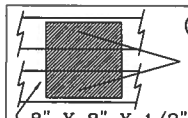
110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

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

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



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



(4) 6d BOX (0.099"X 2.",MIN) NAILS.

8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 6d BOX (0.099"X 2.",MIN) NAILS PER GUSSET.

(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

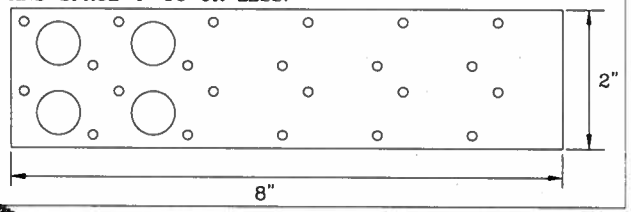
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

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

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

* PIGGYBACK SPECIAL PLATE

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



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

ALPINE

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POMPANO BEACH, FLORIDA

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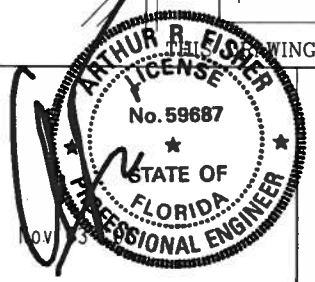

MAX LOADING

55 PSF AT 1.33 DUR. FAC.

50 PSF AT 1.25 DUR. FAC.

47 PSF AT 1.15 DUR. FAC.

SPACING 24.0"

REF	PIGGYBACK
DATE	04/14/05
DRWG	PIGBACKB0405
-ENG	DLJ/KAR