DATE 06/21/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024652

APPLICANT KEVIN BEDENBAUGH PHONE 792-4061

ADDRESS P.O. BOX 1416 LIVE OAK FL 32060

OWNER JAMES HUDGINS PHONE 623-1895

ADDRESS 595 SW BIRLY AVE LAKE CITY FL 32024

CONTRACTOR KEVIN BEDENBAUGH PHONE 938-5588

LOCATION OF PROPERTY 90W, TR ON BIRLEY AVE, 4TH DRIVE ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 95700.00

HEATED FLOOR AREA 1914.00 TOTAL AREA 2714.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 20

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

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

PARCEL ID 32-3S-16-02420-005 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 10.00

		RB0066597	Kevin Bedenbaugh
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor

EXISTING	06-0512-N	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, ALTERNATE TERMIT TREATMENT RECEIVED

NOC ON FILE

Check # or Cash 2565

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 $ 480.00 CERTIFICATION FEE $ 13.57 SURCHARGE FEE $ 13.57

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** 582.14

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.

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

PERMIT NO._____ TAX FOLIO NO._____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF Columbia

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

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

2. General description of improvement: **Construction of Dwelling**

3. Owner information:
   a. Name and address: JAMES WHITTLE HUDGINS
   334 SW Sleepy Glen, Lake City, FL 32024

   b. Interest in property: **Fee Simple**

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

4. Contractor (name and address): Plumb-Level Construction
   Post Office Box 1416, Live Oak, FL 32064

5. Surety:
   a. Name and address: _____
   _____

   b. Amount of bond: _____

Inst:2006012296 Date:05/19/2006 Time:15:43
DC,P.DeWitt Cason,Columbia County B:1084 P:905

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

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

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

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

James W. Hudgins
Borrower Name

Co-Borrower Name

The foregoing instrument was acknowledged before me this 18th day of May, 20 06 by James Whittle Hudgins, who is personally known to me or who has produced driver's license for identification.

Notary Public
My Commission Expires:

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Sharon Teague
Deputy Clerk
Date 05-19-2006

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

TERRY MCDAVID
MY COMMISSION # DD 500788
EXPIRES: January 16, 2010
Bonded Thru Notary Public Underwriters

EXHIBIT A

Commence at the Southwest corner of the Northeast 1/4 of Section 32, Township 3 South, Range 16 East, Columbia County, Florida, run North 05 degrees 10 minutes 45 seconds East, along the West line of said Northeast 1/4, a distance of 452.00 feet to the Point of Beginning, thence continue North 05 degrees 10 minutes 45 seconds East, along the West line of said Northeast 1/4, a distance of 452.00 feet, thence South 78 degrees 49 minutes 15 seconds East, a distance of 1114.70 feet, thence South 05 degrees 10 seconds West, a distance of 334.64 feet, thence North 84 degrees 51 minutes 51 seconds West, a distance of 1108.60 feet to the Point of Beginning.

Less and Except any portion of captioned property lying within the right of way of Birley Road.

Inst:2006012296 Date:05/19/2006 Time:15:43
_____DC,P.DeWitt Cason,Columbia County B:1084 P:906

Columbia County Building Permit Application

CK# 2565 Revised 9-23-04

For Office Use Only Application # 0606-09 Date Received 6/1/06 By G Permit # 24652

Application Approved by - Zoning Official BLK Date 14.06.06 Plans Examiner OKJTH Date 6-19-06

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

Comments

Applicants Name KEVIN BEDENBAUGH Fax: Phone 792-4061

Address PO BOX 1416 Live Oak, FL 32064

Owners Name JAMES Hudgins Phone 623-1895

911 Address 595 SW Birley Ave Lake City, FL 32024

Contractors Name KEVIN BEDENBAUGH Phone 938-5588

Address PO BOX 1416 Live Oak, FL 32064

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A John Gentry

Architect/Engineer Name & Address Coastal Resources Engineering 114B West Green Street PO Box 1054 Perry, FL 32348

Mortgage Lenders Name & Address First Federal Savings Bank, PO BOX 2029 Lake City, FL 32056

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

Property ID Number 32-36-16-02420-005 Estimated Cost of Construction 165,000

Subdivision Name Lot Block Unit Phase

Driving Directions US 90 west, Turn (R) on Birley Ave, 4th Drive on Left.

Type of Construction SFNC Number of Existing Dwellings on Property 0

Total Acreage 10 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 72 Side 95 Side 57 Rear 74

Total Building Height 20 Number of Stories 1 Heated Floor Area 1914 Roof Pitch 6/12

Porches 238 GARAGE 562 TOTAL 2714

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

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

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

Kevin Bedenbaugh Nicole Coleman Kevin Bedenbaugh

Owner Builder or Agent (Including Contractor) Contractor Signature

Contractors License Number RB 0066597

Competency Card Number

NOTARY STAMP/SEAL

NICOLE COLEMAN
MY COMMISSION # DD 326664
EXPIRES: June 7, 2008
Bonded Thru Notary Public Underwriters

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 31 day of May 20 06.

Personally known X or Produced Identification

Nicole Coleman

Notary Signature

NICOLE COLEMAN
MY COMMISSION # DD 326664
EXPIRES: June 7, 2008
Bonded Thru Notary Public Underwriters

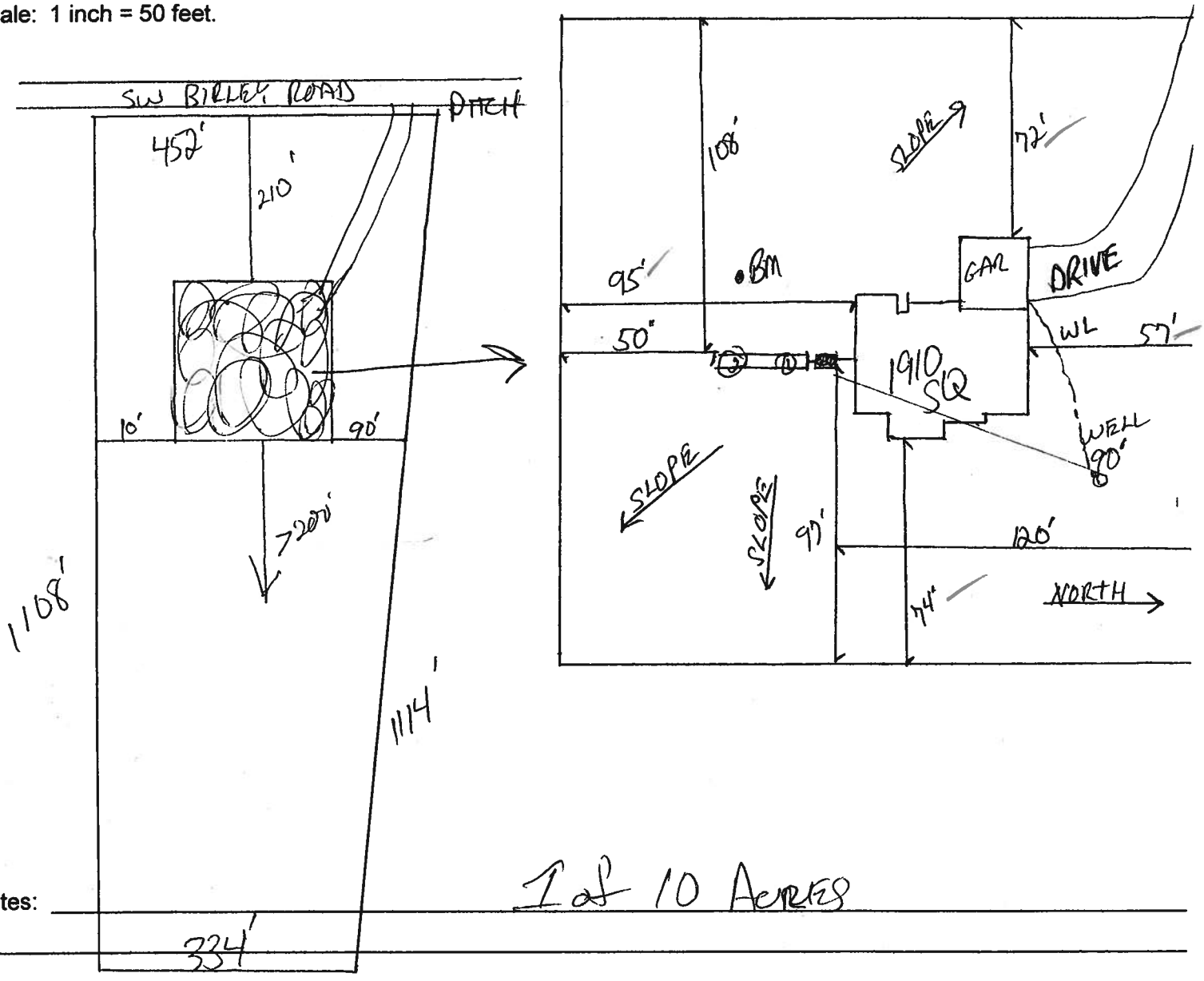
FW revised Permit 6.20.06

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

Permit Application Number 06-0512N

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

Scale: 1 inch = 50 feet.



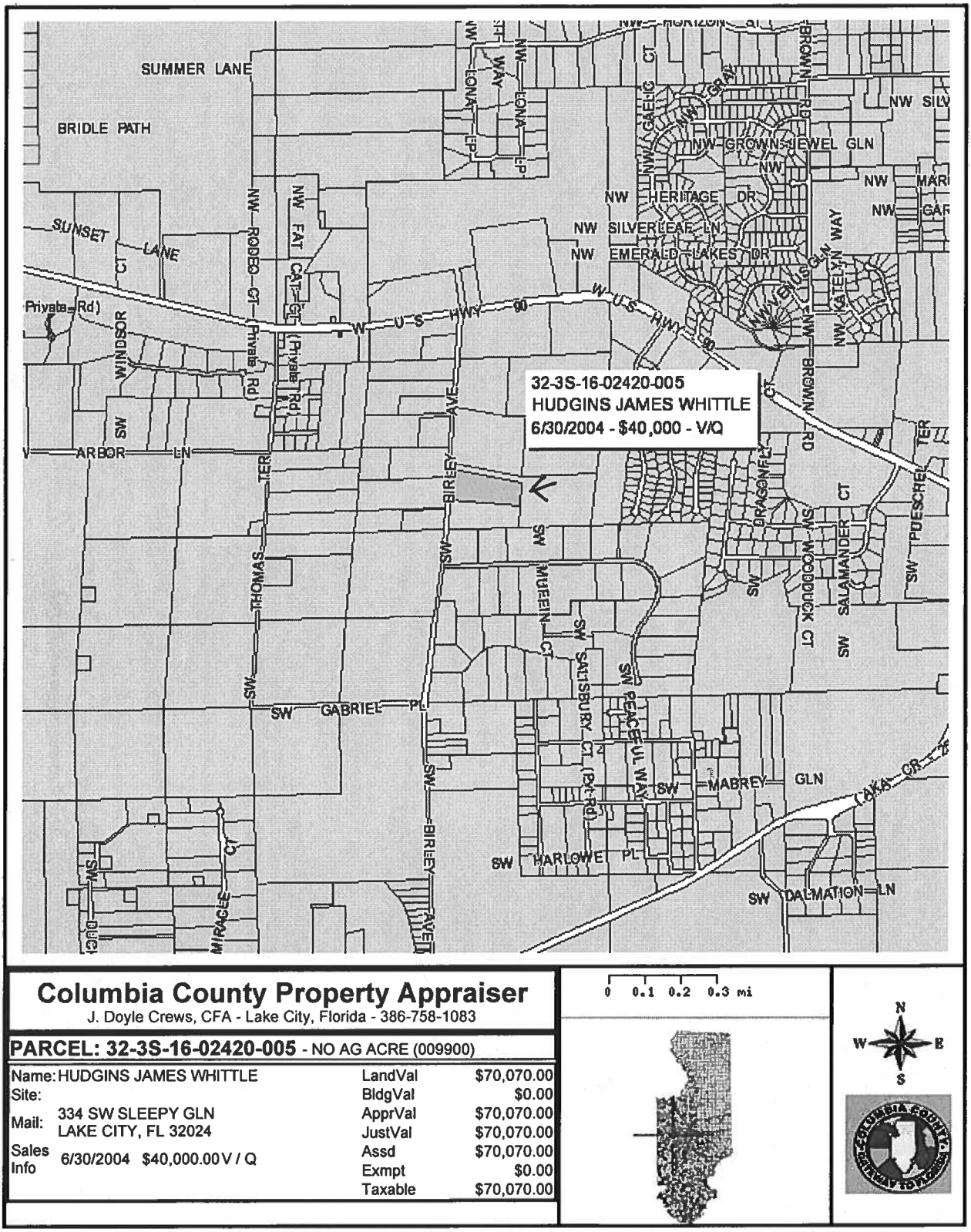
Notes: 1 of 10 Acres

Site Plan submitted by: Rocky Tyo MASTER CONTRACTOR

Plan Approved ✓ Not Approved _____ Date 5/30/06

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



Columbia County Property Appraiser

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

PARCEL: 32-3S-16-02420-005 - NO AG ACRE (009900)

Name:	HUDGINS JAMES WHITTLE	LandVal	$70,070.00
Site:		BldgVal	$0.00
Mail:	334 SW SLEEPY GLN LAKE CITY, FL 32024	ApprVal	$70,070.00
		JustVal	$70,070.00
Sales Info	6/30/2004 $40,000.00 V / Q	Assd	$70,070.00
		Exmpt	$0.00
		Taxable	$70,070.00

This information, GIS Map Updated: 5/5/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Return to::
JAMES WHITTLE HUDGINS
This instrument prepared by:
DOROTHY GUYNN
Lake City, Florida

Inst:2004015369 Date:07/01/2004 Time:16:04
Doc Stamp-Deed : 280.00
MK DC,P.DeWitt Cason,Columbia County B:1019 P:2411

Property Appraiser Parcel Identification:

Grantee (s) SS#: (s)#264-04-2777

SPACE ABOVE THIS LINE FOR PROCESSING DATA -- SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED, made the 30 day of JUNE, 2004 by **DOROTHY P. GUYNN, a single woman,** whose PO address is 433 NW DeSoto, Lake City, Florida 32055, hereinafter called the Grantor, to **JAMES WHITTLE HUDGINS, and CAROL G. HUDGINS, his wife, aka CAROL G. MANNING,** whose post office address is 334 SW Sleepy Glen, Lake City, Florida 32024, 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, wherever the context so admits or requires.)

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, State of FLORIDA viz:

SECTION 32, TOWNSHIP 3 SOUTH, RANGE 16 EAST, Columbia County, Florida more particularly described as follows:

COMMENCE at the Southwest Corner of the Northeast Quarter, Section 32, Township 3 South, Range 16 East, run North 05 degrees, 10 minutes, 45 seconds East along the West. Line of said Northeast Quarter a distance of 452.00 feet to the POINT OF BEGINNING; thence continue North 05 degrees, 10 minutes, 45 seconds East along the West Line of said Northeast Quarter, a distance of 452.00 feet; thence South 78 degrees, 49 minutes, 15 seconds East, a distance of 1114.70 feet; thence South 05 degrees, 10 seconds West a distance of 334.64 feet; thence North 84 degrees, 51 minutes, 51 seconds West , a distance of 1108.60 feet to the Point of Beginning. Parcel subject to that part contained within the maintained right of way of Birley Road, a County maintained graded road. Containing 10.01 acres, more or less.

***This is not homesteaded property.

Pat Lynch
P. O. BOX 934
Branford, FL 32008-0934
(386) 935-1076

SOLD TO:
James Hudgins
Birley Ave.
Lake City

DATE: 5/18/06

INVOICE

4" Water well complete with 1HP submersible pump, 1 ¼" galvanized drop pipe, and 81gal tank, maximum 100 feet included ..... $ 2550.

20 Additional footage over 100 feet will be charged at $12/ foot. 240

Suwannee River Water Management District – well permit ....

TOTAL DUE $2790

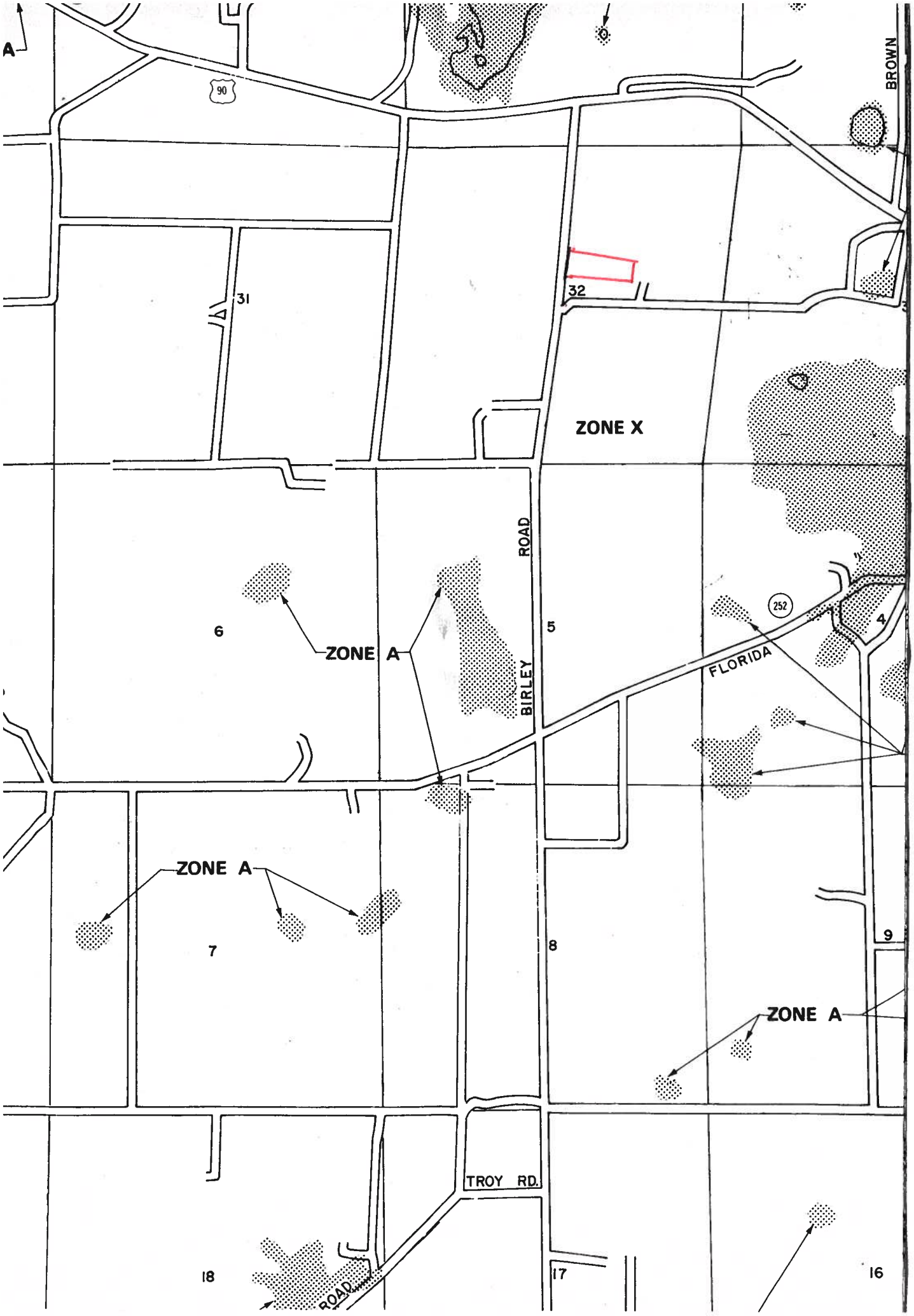
Well will be complete at the well site. We do not include electrical nor plumbing connections from the well to the home and/or power pole.

Well 120'
Pump 94'
water 74'

THANK YOU!

Seller shall retain title to the described merchandise until such merchandise has been paid for by the buyer, however, buyer shall have the right to use, display, move, prepare, or otherwise deal with the merchandise solely in connection with the sale of such merchandise to buyers in the ordinary course of business. The merchandise delivered hereby is to be paid for upon delivery and if not paid for within thirty (30) days after receipt, interest and service charges shall accrue at the rate of 1 ½% per month; this charge is equivalent to an interest rate of 18% per annum from the date of receipt. In the event it shall become necessary for seller to collect the purchase price, or any part thereof, buyer agrees to pay to seller all of the cost of collection including reasonable attorney's fees and all incidental damages suffered by the seller. The buyer shall have five (5) days after receipt to notify seller of any defects or shortages in the merchandise. If buyer has not so notified seller within such five-day period such rights shall have waived and such merchandise shall be deemed to have been received in good condition. Seller warrants that the merchandise is merchantable and free from defects in material and workmanship. Seller makes no other express or implied warranties and does not warrant that the merchandise is fit for any particular purpose. Buyer further agrees that the site of this contract and place for payment is Suwannee County, Florida. The buyer acknowledges acceptance of the above stated items and conditions if this sale by his receipt and retention for five days the merchandise shipped or delivered by the seller.

NOT RESPONSIBLE FOR QUALITY OF WATER


A
90
BROWN
31
32
ZONE X
ROAD
BIRLEY
6
ZONE A
5
252
4
FLORIDA
ZONE A
7
8
9
ZONE A
TROY RD.
18
17
16
ROAD

0606-95

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

Reference to a building permit application Number: 0606-09

Contractor: Kevin Bedenbaugh Owner James Hudgins

On the date of June 12, 2006 application 0606-09 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0606-09 when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.

1. On the electrical plan show the location of the electrical panel and include the total amperage rating of the electrical service panel also show the overcurrent protection device which shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the

exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

2. Have Costal Resources Engineering LLC. Review the truss plans designed by Alpine Engineered Product Inc. and show a detail on the plans providing the truss number and location of any additional truss anchor straps requirements which will be greater than those used in the typical frame detail on sheet six of six on the plans.

Joe Haltiwanger

Plan Examiner
Columbia County Building Department

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

PGT Industries
1070 Technology Drive
Nokomis ,FL 34275

Your application for Notice of Acceptance (NOA) of:
Series SGD-70 Aluminum Sliding Glass Door-Impact.
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-0628.11
EXPIRES: 11/09/2005

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 11/09/2000

PGT Industries

ACCEPTANCE No.: 00-0628.11

APPROVED : November 9, 2000

EXPIRES : November 9, 2005

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves an aluminum sliding glass door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The **SGD-70 Series Aluminum Sliding Glass Door – Large Missile Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **4345-1**, titled "SGD-70 OXXO." Sheets 1 through 4 of 4 dated 03-15-99, last revised on 10-13-00, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications only, as shown in approved drawings.

3.2 Head receptor is not allowed to be used in this installation.

4. INSTALLATION

4.1 The aluminum sliding glass door and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters): The installation of this unit **will not require** a hurricane protection system.

5. LABELING

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

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Ishaq I. Chanda

Ishaq I. Chanda, P.E. Product Control Examiner
Product Control Division

PGT Industries

ACCEPTANCE No.: 00-0628.11

APPROVED : November 9, 2000

EXPIRES : November 9, 2005

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.

2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.

3. Renewals of Acceptance will not be considered if:
   a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
   b) The product is no longer the same product (identical) as the one originally approved;
   c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
   d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.

4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.

5. Any of the following shall also be grounds for removal of this Acceptance:
   a) Unsatisfactory performance of this product or process.
   b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.

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

7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.

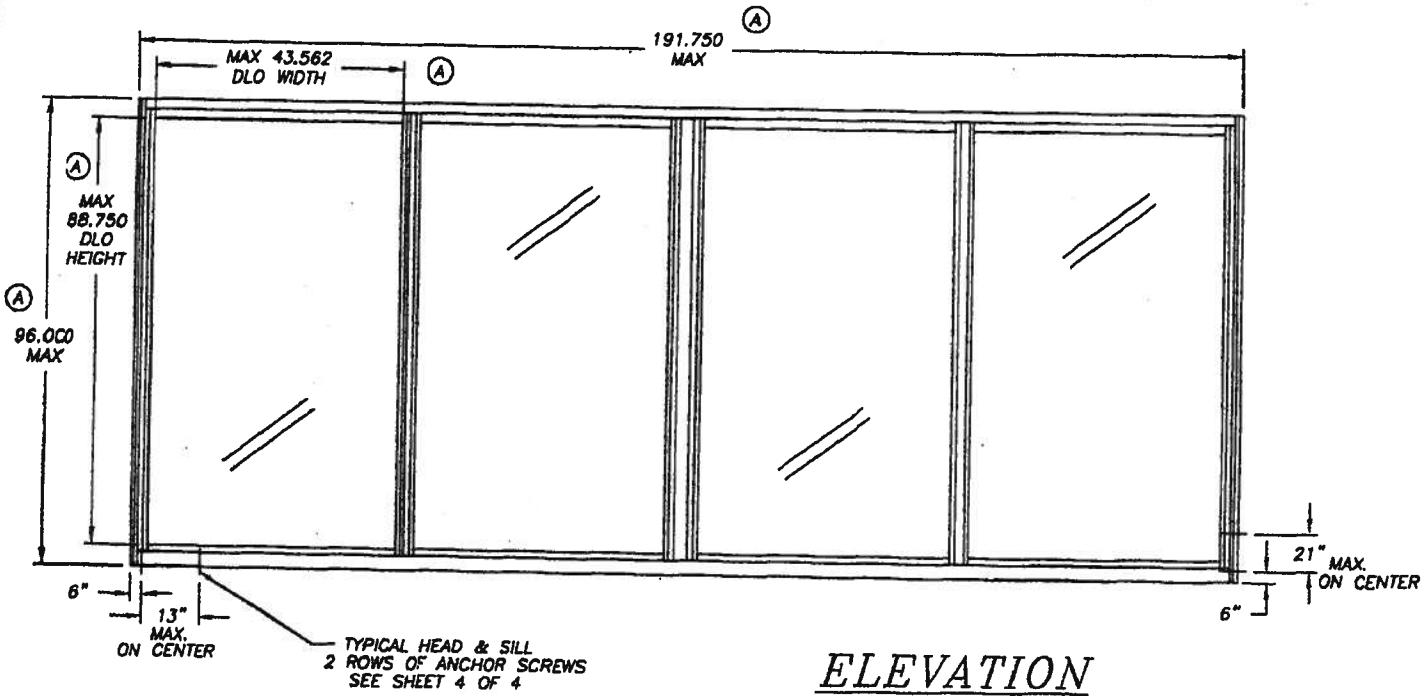
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.

9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

Ishaq I. Chanda

Ishaq I. Chanda , P. E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



ELEVATION

DESIGN PRESSURE RATING	
POSITIVE	+ 60 PSF
NEGATIVE	- 60 PSF

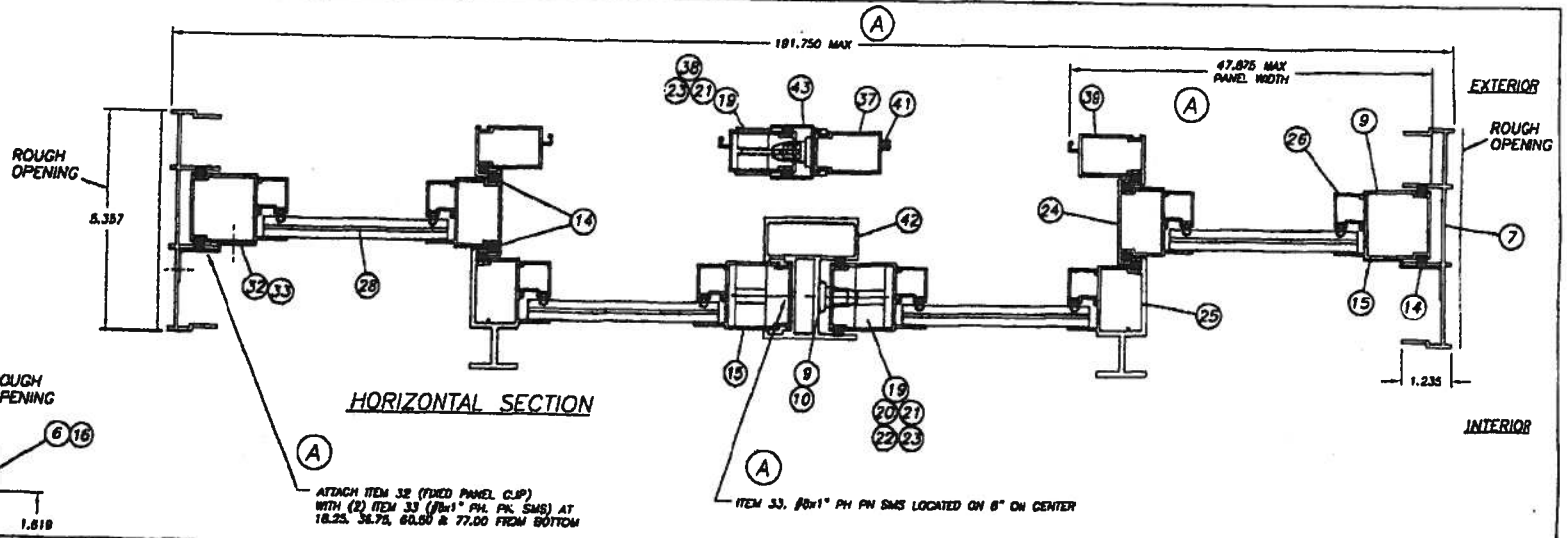
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE November 09, 2000
BY Ishaq I. Clarke
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0628.11

LARGE MISSLE IMPACT DOORS

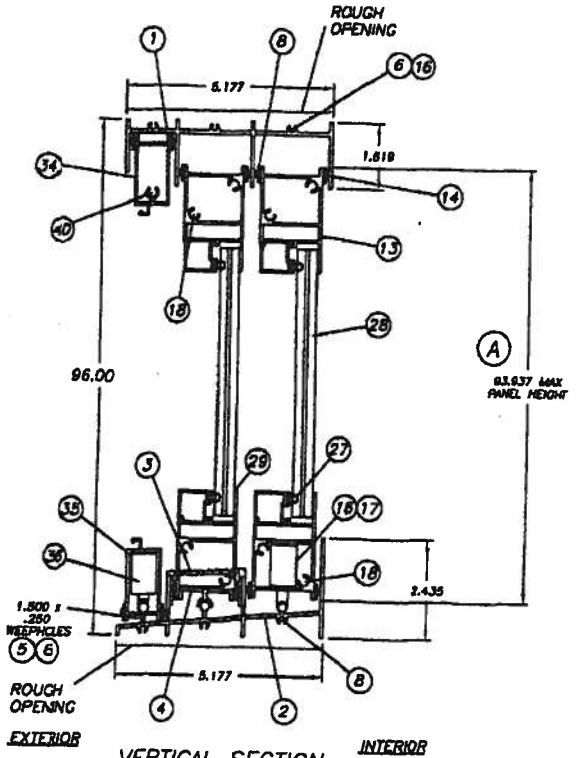
1.) GLAZING: 7/16" LAMINATED
2.) CONFIGURATIONS: OXXO
3.) SEALANT: FRAME CORNER, INSTALLATION SCREWS & PANEL CORNERS SEALED WITH SCHNEE/MCREHEAD #SM5504 SEAM SEALER (A)
4.) ANCHORS:
MAX. 6" FROM EACH CORNER (HEAD & SILL)
MAX. 6" FROM EACH CORNER (JAMBS)
MAX. SPACING AT HEAD & SILL: 13.000 (A)
MAX. SPACING AT JAMBS: 21.000
5.) SHUTTER REQUIREMENT:
NO SHUTTERS REQUIRED
6.) REFERENCE TEST REPORT: FTL-2369

10/15/00
ROBERT CLARK #39712

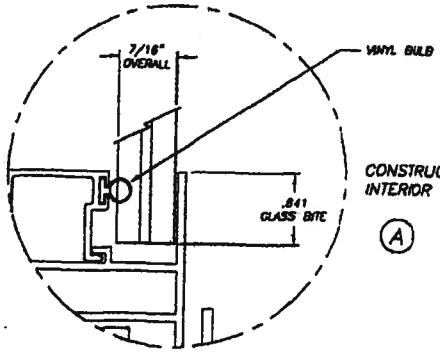
Revisions: REV. A 10/13/00 F.K.	Tolerances Unless Noted: Fractions ± 1/64, Decimal .00 ±, Decimal .000 ±, Angular ± 1°		PGT INDUSTRIES
Material: —	Series/Model: SGD-70		
Drawn By: D.B. Date: 3/15/99	Description: SGD-70 OXXO — ELEVATION		
PGT NO:	VENDOR NO:	Scale: — Sheet: 1 of 4	Drawing No. 4345-1 Rev: A



HORIZONTAL SECTION



VERTICAL SECTION



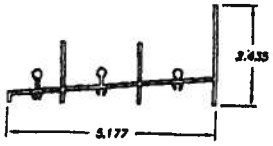
7/16" LAMINATED GLAZING DETAIL

CONSTRUCTION DETAIL: OVERALL 7/16" LAMINATED CONSIST OF 3/16" HS GLASS LITES (EXTERIOR & INTERIOR SIDE) WITH .088 SAFELEX 111G PVB INTERLAYER BY SOLUTIA, BETWEET LITES.

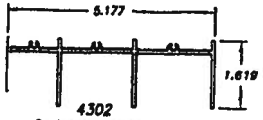
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE November 09, 2000
BY Ishaq I. Shanta
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0628.11

Robert Clark #39712
10/13/00

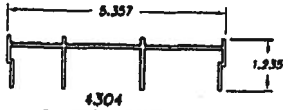
Revisions: REV. A 10/13/00 F.K.	Tolerances Unless Noted: Fractions: ± 1/64, Decimal .00: ±, Decimal .000 ±, Angular: ± 1°	PGT INDUSTRIES	
Material: —	Series/Model: SGD-70	Description: SGD-70 OXXO (SECTION VIEWS)	
Revsd By: / Date: / Chkd By: / Date:			
Drawn By: D.B.	Date: 3/15/99	PGT NO: / VENDOR NO: / Scale: — / Sheet: 2 of 4 / Drawing No. 4345-2 / Rev: A	



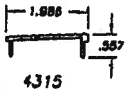
4303
2-TRACK SILL
AF-12246



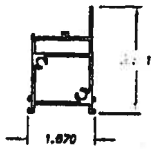
4302
2-TRACK HEAD
AF-12245



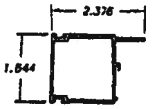
4304
2-TRACK JAMB
AF-12247



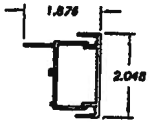
4315
2-TRACK THRESHOLD
AF-12255



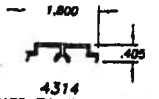
4305
TOP & BOT. RAIL
AF-12248



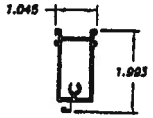
4306
SIDE RAIL
AF-12249



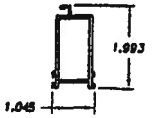
4308
MEET. RAIL (FIXED)
AF-12251



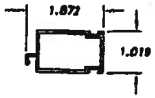
4314
FIXED PANEL ADAPTER
AF-12254



4317
SCREEN TOP RAIL
AF-12256

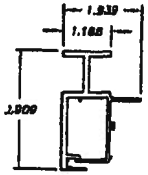


4318
SCREEN BOT. RAIL
AF-12257

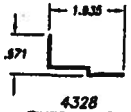


4319
SCREEN SIDE RAIL
AF-12258

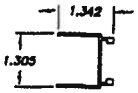
4320
SCREEN MEET. RAIL
AF-12259



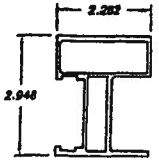
4328
MOVING PANEL
MEET. RAIL (H.D.)
AF-12261



4328
FIXED PANEL CLIP
AF-12262

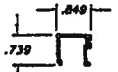


4344
SCREEN ASTRAGAL (OXXO)



MAT'L: 6063-T6 ALUM.

4342 (MODIFIED)
PANEL ASTRAGAL (OXXO)
644932



4324
GLAZ. BEAD (7/16" Lorn.)
AF-534601

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE November 09, 2000
BY Ishaq I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0628.11

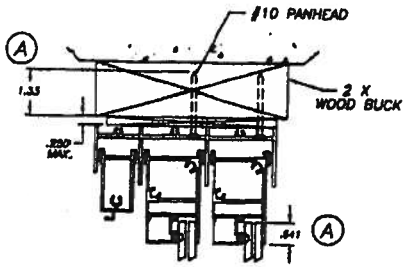
(A)

NOTE: ALL OTHER EXTRUSIONS ARE 6063-T5 ALUM.

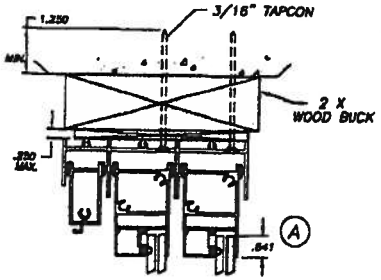
10/05/00
ROBERT CLARK
#29712

Revisions: REV. A 10/13/00 F.K.	Tolerances Unless Noted: Fractions ± 1/64, Decimal .00 ±, Decimal .000 ±, Angular ± 1°				
Material: —	Series/Model: SGD-70				
Reved By: Date: / Chkd By: Date:	Description: SGD-70 OXXO (Extrusion Profiles)				
Drawn By: D.B. Date: 3/15/99	PGT NO:	VENDOR NO:	Scale: —	Sheet: 3 of 4	Drawing No. 4345-3 / Rev: A

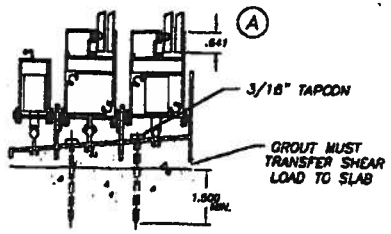
PGT INDUSTRIES



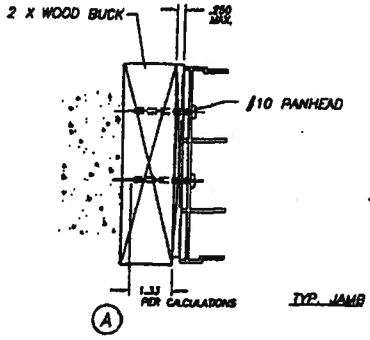
TYP. HEAD



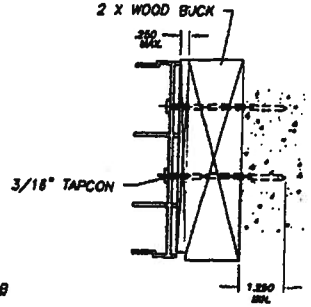
TYP. HEAD



TYP. SILL



TYP. JAMB



ITEM	DESCRIPTION	V.T. #	QTY.	VENDOR	VENDOR #
1	Frame Head, 2 Track	612245	1	Alumax	AF-12245
2	Frame Sill, 2 Track	612246	1	Alumax	AF-12246
3	Threshold Cover, 2-Track	612255	2	Alumax	AF-12255
4	Fixed Adapter, Frame Sill	612254	2	Alumax	AF-12254
5	Weep Housing	70250	3 (1@ea. end & 1@ center)	Scherer	
6	Weep Flap	70251	3 (1@ea. end & 1@ center)	Scherer	
7	Frame Jamb, 2-Track	612247	2	Alumax	AF-12247
8	#8 x 1.000 Quad Pn. SMS	781PQA	12 (6/Jamb)		
9	Latch Keeper	7SDKEEP	2	Nationwide	
10	#8 x .375 Ph. Pn. SMS	783BPA	4 (2/Latch Keeper)		
11	Bumper	72087K	2 (1/Jamb - Opr. Trk.)	Eastcoast R&P	
12	#8 x .375 Ph. Pn. TEK	78X38PPT	2 (1/Bumper)		
13	Top/Bot. Rail	612248	8 (2/Panel)	Alumax	AF-12248
14	Weip., .170 x .270 back - fin seal	87SI8C	42 (Fixed, Oper. & Scr. Panels)	Schlegel	FS-7516-187
15	Side Rail (Fixed/Operable)	612249	4 (1/Panel)	Alumax	AF-12249
16	Roller, Tandem Steel	71049	8 (2/Panel)	Truth Hardware	39-10
17	#8 x .375 Ph. Pn. SMS	78X38PPA	16 (2/Roller)		
18	1/4-20 x 1.000 Ph. Pn. MS	720X1A	32 (8/Panel)		
19	Lockset	7LOCK	3	Nationwide	
20	#10-32 x 1.75 Oval MS	71032X134MSK	4 (2/Panel)		
21	X Cam Latch	7X1720X	3 (1/Lock)		
22	Cam Spacer	42502N	2 (1/Panel Lock) - not Screen	PGT Industries	
23	#10-32 x .500 Tr. Ph. MS	71032X12TPMS	3 (1/Lock - Cam Latch Screw)		
24	Fixed Panel Meet. Rail	612251	2 (1/Fixed Panel)	Alumax	AF-12251
25	Oper. Panel Meet. Rail	612261	2 (1/Operable Panel)	Alumax	AF-12261
26	Glazing Bead (7/16")	6534601	16 (4/Panel)	Alumax	534601
27	Vinyl Bulb	61P247	16 (1/Glazing Bead)	Team Plastics	TP-247
28	7/16" Laminated Glass		4 (1/Panel)	PPG, LOF	
29	Silicone	62899C		Dow Corning	899
30	Seam Sealer	6SM55W		Schnee-Morehead	SM5504
32	Fixed Panel Clip	612262		Alumax	AF-12262
33	#8 x 1.000 Ph. Pn. SMS	78X1PPA	Fixed Panel Clip Screws		
34	Screen Top Rail	612256	2	Alumax	AF-12256
35	Screen Bot. Rail	612257	2	Alumax	AF-12257
36	Single Rollers	7SRA7	4 (2/Screen Panel)		
37	Screen Side Rail	612258	2 (1/Screen Panel)	Alumax	AF-12258
38	#10-32 x .875 Ph. Fl. MS	71078	2 (Screw Lock)		
39	Screen Meeting Rail	612259	2 (1/Screen Panel)	Alumax	AF-12259
40	1/4 x 1.500 Ph. Pn. SMS	714X112PPA	4 (Screen Assy. Screws)		
41	Screen Spline	60170K		Team Plastics	
42	Panel Astragal		1	Indalex	
43	Screen Astragal		1	Indalex	

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE November 09, 2000
BY Shaq I. Chaudhry
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0628.11

Revisions:
REV. A 10/13/00 F.K.

Material: —

Tolerances Unless Noted: Fractions: ± 1/64, Decimal .00: ±, Decimal .000: ±, Angular: ± 1°

Series/Model: SGD-70

Description: SGD-OXXO - BILL OF MATERIALS

Issued By:	Date:	Chkd By:	Date:
Drawn By: D.B.		Date: 3/15/99	

PGT NO:	VENDOR NO:	Scale:	Sheet:	Drawing No.	Rev:
			4 of 4	4345-4	A

PGT INDUSTRIES

10/13/00
ROBERT CLARK #37772

Architectural Testing

AAMA/NWWDA 101/I.S.2-97
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 450/650
TYPE: Aluminum Single Hung Window
RATING: H-C30 54 x 90; H-C45 52 x 72*

Title of Test	Results	
	Test Specimen #1	Test Specimen #2
Overall Design Pressure	30 psf	47 psf
Operating Force	20 lb max.	N/A
Air Infiltration	0.27 cfm/ft^2	N/A
Water Resistance	5.25 psf	6.0 psf
Structural Test Pressure	±45.0 psf	±70.5 psf
Deglazing	Passed	N/A
Forced Entry Resistance	Grade 10	N/A

Reference should be made to Report No. 01-37589.01 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Adam A. Fodor, Technician

AAF:tjp

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

Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INCORPORATED
650 West Market Street
Gratz, Pennsylvania 17030-0370

Report No: 01-37589.01
Test Date: 06/29/00
Report Date: 09/11/00
Expiration Date: 06/29/04

Project Summary: Architectural Testing, Inc. (ATI) was contracted to witness tests on a Series/Model 450, aluminum single hung window at the MI Home Products in-plant test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1 H-C30 54 x 90; Test Specimen #2 H-C40 52 x 72*. Test specimen descriptions and results are reported herein.

General Note: An asterisk (*) next to the performance grade indicates that the size tested for optional performance was smaller than the minimum test size for the product type and class.

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

Test Specimen Description

Series/Model: 450

Type: Aluminum Single Hung Window

Test Specimen #1 H-C30 54 x 90

Overall Size: 4' 6-1/2" wide by 7' 6-1/2" high

Sash Size: 4' 4" wide by 3' 9-3/4" high

Fixed Daylight Opening Size: 4' 1-1/2" wide by 3' 6-1/2" high

Screen Size: 4' 2-1/4" wide by 3' 8-1/2" high

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

Test Specimen Description: (Continued)

Test Specimen #2: H-C40 52 x 72*

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

Sash Size: 4' 2" wide by 3' 0-1/2" high

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

Screen Size: 4' 0" wide by 2' 11" high

The following descriptions apply to all specimens.

Finish: All aluminum was painted.

Glazing Details: The lites utilized 5/8" thick sealed insulating glass units fabricated from two sheets of 3/32" thick clear annealed glass and an Intercept™ spacer system. The sash was channel glazed with a flexible gasket. The fixed lite was interior glazed onto single-sided adhesive foam tape and secured with extruded PVC glazing beads.

Weatherstripping:

Description	Quantity	Location
0.210" high by 0.270" backed polypile with center fin	Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Stiles
0.300" diameter by 0.187" backed foam-filled vinyl bulb gasket	Row	Bottom rail
0.400' high by 1/2" square polypile dust plug	4	One on each sash corner

Frame Construction: The main frame was constructed of thermally-broken extruded aluminum members with coped, butted and sealed corners. The fixed meeting rail was constructed of an extruded aluminum member with coped, butted and sealed ends fastened with two screws each.

Test Specimen Description: (Continued)

Sash Construction: The sash members were constructed of thermally-broken extruded aluminum members with coped, butted and sealed corners fastened with one screw each.

Screen Construction: The screen was constructed of rolled aluminum members with plastic keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Plastic snap latch	1	Midspan of bottom rail
Block and tackle balance system	2	One per jamb
Plastic tilt latch	2	One on each end of sash meeting rail
Metal pivot bar	2	One on each end of bottom rail

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test unit was installed into the nominal 2" x 8" Spruce-Pine-Fir #2 wood test buck utilizing the integral nailing fin secured with 1" long galvanized roofing nails, 6" from each corner and every 18" on center. The nailing fin was also bedded in polyurethane. The exterior perimeter was blindstopped with wood members and secured with #8 x 3" screws every 24" on center.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: H-C30 54 x 90			
2.2.1.6.1	Operating Force	20 lbs	45 lbs max.
	Air Infiltration per ASTM E 283 (See Note #1) @ 1.57 psf (25 mph)	0.27 cfm/ft^2	0.3 cfm/ft^2 max.
	Water Resistance per ASTM E 547 (with and without screen) WTP = 4.5 psf	No leakage	No leakage
2.1.4.2	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the fixed meeting rail)		
	@ 45.0 psf (exterior)	0.03"	0.22" max.
	@ 45.0 psf (interior)	0.04"	0.22" max.
2.2.1.6.2	Deglazing Test per ASTM E 987 In operating direction at 70 lbs		
	Meeting rail	0.06"/12%	0.50"/100%
	Bottom rail	0.06"/12%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance per ASTM F 588-97		
	Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.

Test Results:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: (Continued)			
Optional Performance			
4.3	Water Resistance per ASTM E 547 (with and without screen) WTP = 5.25 psf	No leakage	No leakage
Test Specimen #2: H-C40 52 X 72*			
Optional Performance			
4.3	Water Resistance per ASTM E 547 and 331 (with and without screen) WTP – 6.0 psf	No leakage	No leakage
4.4.2	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the fixed meeting rail)		
	(Loads held for 33 seconds)		
	@ 47.0 psf (exterior)	0.04"	N/A
	@ 47.0 psf (interior)	0.03"	N/A
	(Loads held for 10 seconds)		
	@ 70.5 psf (exterior)	0.07"	0.21" max.
	@ 70.5 psf (interior)	0.04"	0.21" max.

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

For ARCHITECTURAL TESTING, INC:

Adam A. Fodor
Technician

Bruce W. Croak
Director – Product/Physical Testing

AAF:
01-37589.01

AAMA/NWWDA 101/I.S.2-97
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 450/480/650/680
TYPE: Aluminum Fixed Window
RATING: F-C80 72 x 96

Title of Test	Results
Overall Design Pressure	80 psf
Air Infiltration	<0.01 cfm/ft^2
Water Resistance	12.0 psf
Structural Test Pressure	±120.0 psf
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-38781.01 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Adam Fodor, Technician

AF:tjp

Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
Gratz, Pennsylvania 17030-0370

Report No: 01-38781.01
Test Date: 01/23/01
Report Date: 02/22/01
Expiration Date: 01/23/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted to witness tests on a Series/Model 450/480/650/680, aluminum fixed window at the MI Home Products, Inc. in-plant test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for an F-C80 72 x96 rating. Test specimen description and results are reported herein.

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

Test Specimen Description:

Series/Model: 450/480/650/680

Type: Aluminum Fixed Window

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

Fixed Daylight Opening Size: 5' 9-1/2" wide by 7' 9-1/2" high

Finish: All aluminum was painted.

Glazing Details: The window utilized a 7/8" thick sealed insulating glass unit fabricated from two sheets of 3/16" thick, clear, tempered glass and a spacer system. The lite was interior glazed onto silicone bedding and dual-sided adhesive foam tape, while secured with aluminum snap-fit glazing beads and polypile weatherstrip.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129

Test Specimen Description: (Continued)

Frame Construction: The frame was constructed of thermally broken extruded aluminum members with coped, butted and sealed corners fastened with two screws each.

Drainage: No fabricated drainage was utilized.

Reinforcement: No reinforcement was utilized.

Installation: The test unit was installed into the 2" x 8" Spruce-Pine-Fir #2 wood test buck utilizing the integral nailing fin bedded in polyurethane sealant. The nailing fin was secured to the buck with a 1" roofing nail at each corner, midspan of the head and sill, and two spaced evenly at the jambs.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.1.2	Air Infiltration per ASTM E 283 (See Note #1)		
	@ 1.57 psf (25 mph)	<0.01 cfm/ft^2	0.3 cfm/ft^2 max.
	Water Resistance per ASTM E 547		
	WTP = 4.5 psf	No leakage	No leakage
2.1.4.2	Uniform Load Structural per ASTM E 330		
	(Measurements reported were taken on the jamb)		
	@ 45.0 psf (exterior)	0.02"	0.38" max.
	@ 45.0 psf (interior)	0.02"	0.38" max.
	Forced Entry Resistance per ASTM F 588-97		
	Type: D		
	Grade: 10		
	Hand Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547 and 331		
	WTP = 12.0 psf	No leakage	No leakage
	Uniform Load Structural per ASTM E 330		
	(Measurements reported were taken on the jamb)		
	@ 120.0 psf (exterior)	0.03"	0.38" max.
	@ 120.0 psf (interior)	0.04"	0.38" max.

Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.

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

For ARCHITECTURAL TESTING, INC:

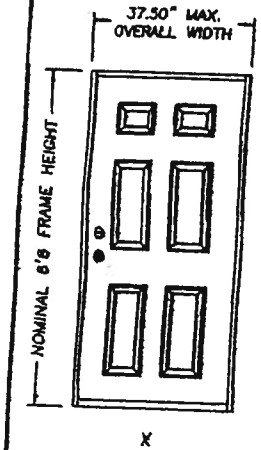
Adam Fodor
Technician

Bruce W. Croak
Director – Product/Physical Testing

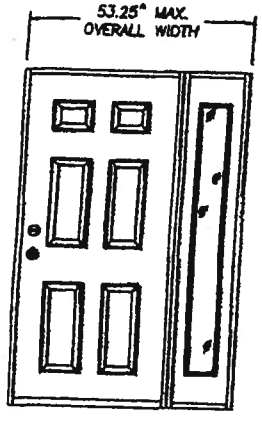
AF:tjp
01-38781.01

CONSTRUCTION SERIES®

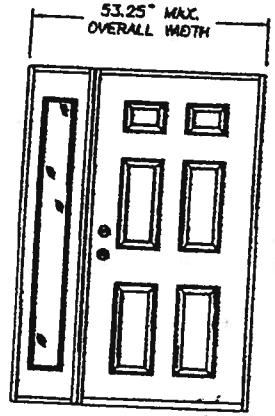
OPAQUE INSULATED STEEL DOOR
OUT-SWING / IN-SWING 6-8 UNITS W/ & W/OUT SIDELITES



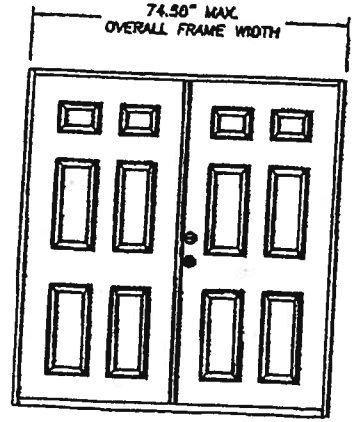
DESIGN PRESSURE RATING
OUT-SWING / IN-SWING POS. 67.0 NEG. 67.0



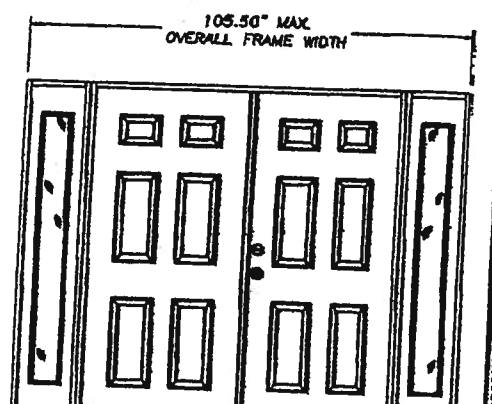
DESIGN PRESSURE RATING
OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0



DESIGN PRESSURE RATING
OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0



ASTRAGAL TYPE	DESIGN PRESSURE RATING
Coastal Alum. Astragal	OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0
* Standard Alum. Astragal	OUT-SWING / IN-SWING POS. 40.0 NEG. 40.0



ASTRAGAL TYPE	DESIGN PRESSURE RATING
Coastal Alum. Astragal	OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0
* Standard Alum. Astragal	OUT-SWING / IN-SWING POS. 40.0 NEG. 40.0

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE.
2. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS.
3. THE SIDELITES REQUIRE WINDBORNE DEBRIS EXTERNAL PROTECTION AS DESCRIBED IN SECTION 1628.1 OF THE FLORIDA BUILDING CODE WHEN USED IN WINDBORNE DEBRIS AREAS.
4. FOR INSWING MASONRY ANCHORING SEE SHEET 2 OF 4.
5. FOR OUTSWING MASONRY ANCHORING SEE SHEET 3 OF 4.
6. FOR INSWING/OUTSWING WOOD STUD ANCHORING SEE SHEET 4 OF 4.

PRODUCT DESCRIPTION

1. THE DOOR FACE SHEETS ARE 25 GA. (0.018") MIN. THICKNESS.
2. THE STILES AND RAILS ARE WOOD CONSTRUCTION.
3. THE INTERIOR DOOR CAVITY IS URETHANE.
4. THE SIDELITE GLAZING IS 0.5" INSULATED TEMPERED GLASS BY THERMA-TRU.
5. THE WOOD JAMBS ARE A MIN. 4-9/16".
6. THE THRESHOLD IS AN ALUMINUM BUMP FACE TYPE (OUTSWING) OR AN ALUMINUM SADDLE TYPE (INSWING).
7. THE STANDARD ALUMINUM ASTRAGAL UTILIZES 7.5" LONG x 0.312" DIA. STEEL ROD WITH A 6.0" LONG ALUMINUM SLIDE ROD REINFORCEMENT BAR TOP AND BOTTOM.
8. ALL LATCHBOLT AND DEADBOLT HARDWARE MUST BE CYLINDRICAL GRADE II WITH A 161 EDGE PREP AND A MINIMUM 1.0" DEADBOLT THROW.

AUGUST 12, 2002

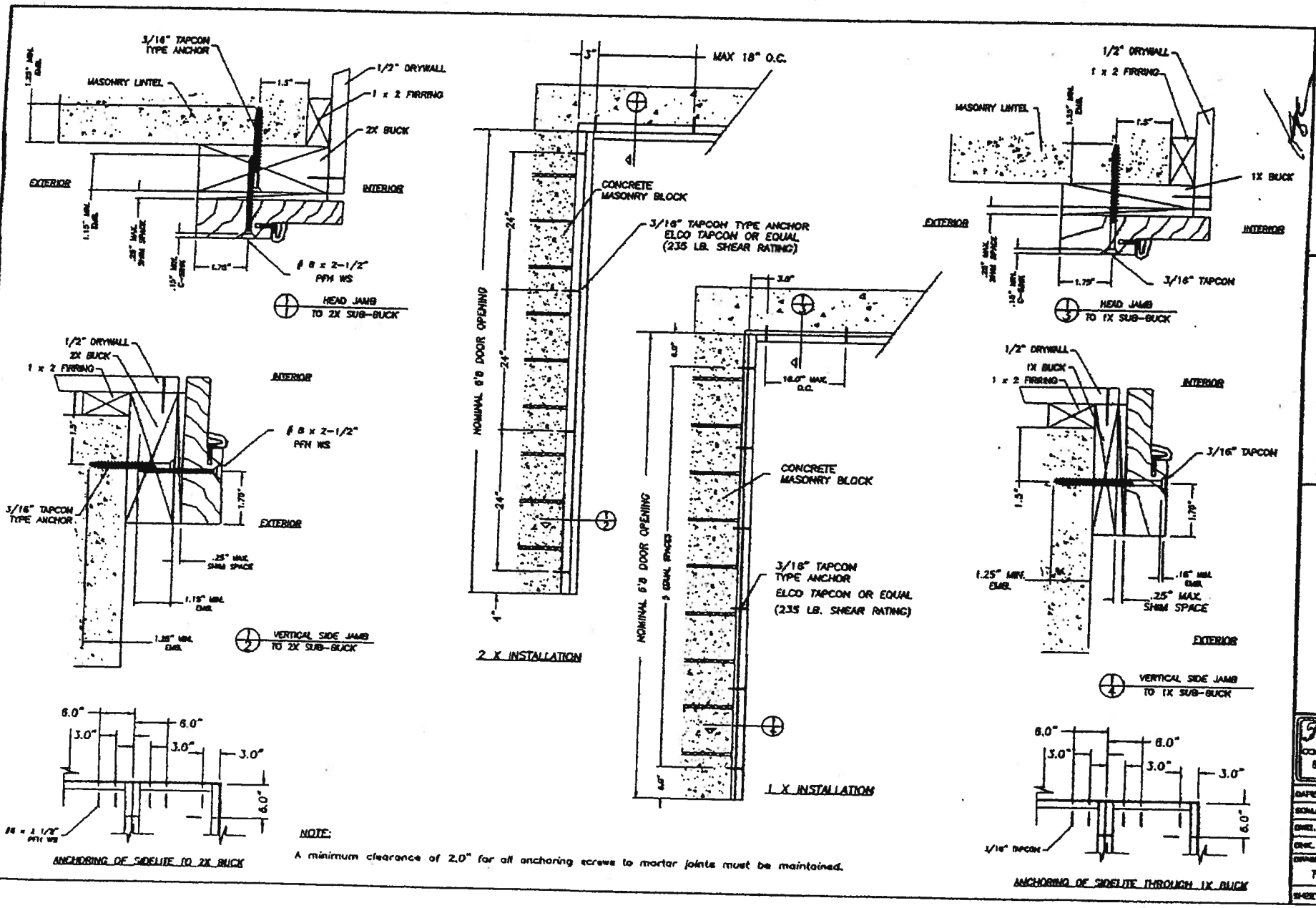
Lyndon F. Schmidt
Florida P. E. No. 43409
19506 French Lace Drive Lutz, FL 33558

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE

PRODUCT:
WOOD EDGE STEEL DOOR
OPAQUE W/WO SIDELITES

RW ENGINEERING CONSULTANTS
813.658.91

DATED: 7/30/
SCALE: N.T.
DWG. BY: WL
CHK. BY: RW
DRAWING NO.: TT-109-
SHEET 1 OF



NOTE:

A minimum clearance of 2.0" for all anchoring screws to mortar joints must be maintained.

AUGUST 12, 2002

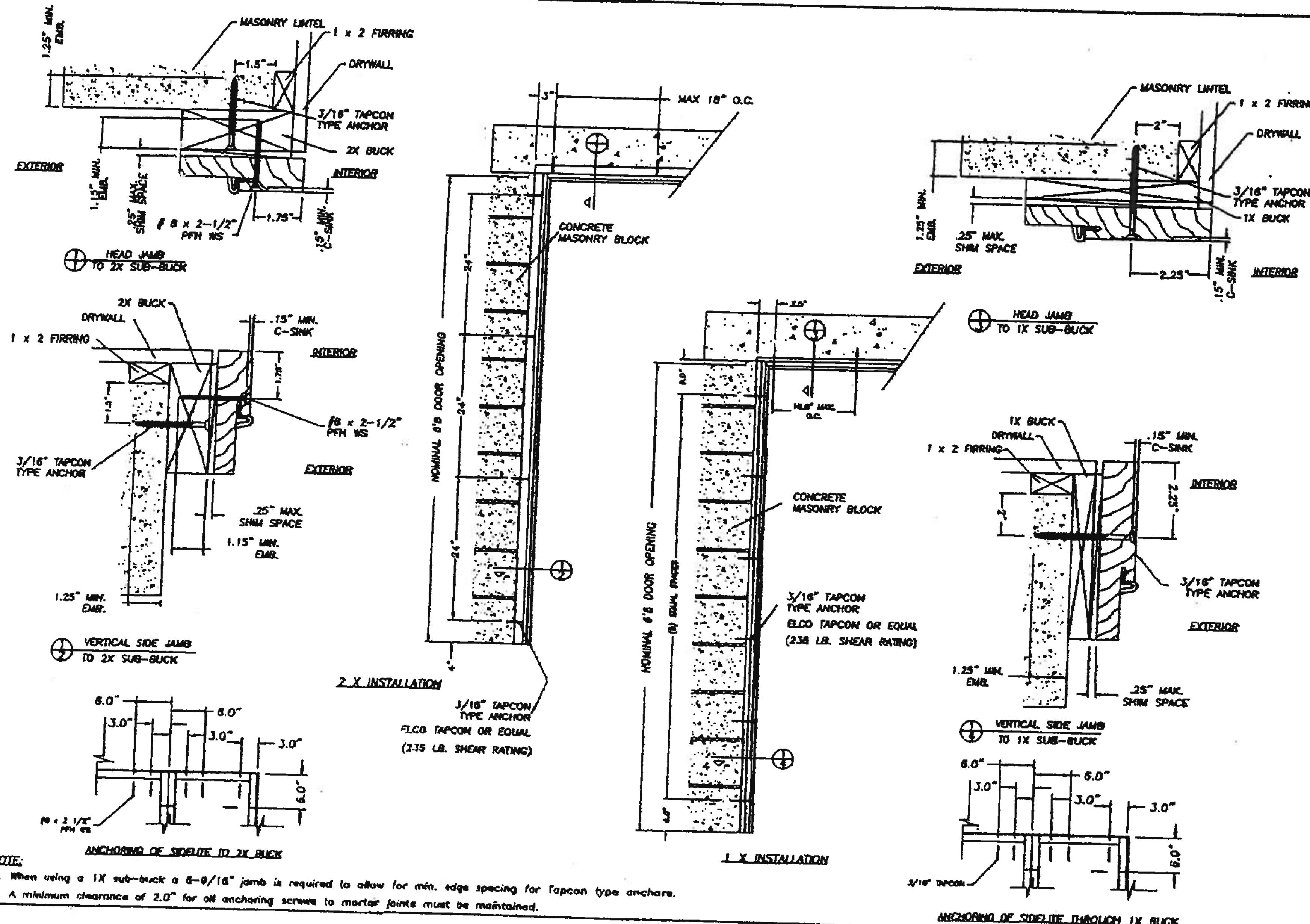
Lyndon F. Schmidt

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE

ANCHOR CROSS SECTIONS
MASONRY 6'8

RW CONSULTANTS
813.659

DATE: 7/12
SCALE:
DWG. BY:
CHK'D BY:
DRAWING NO.: TT-109
SHEET 2 of



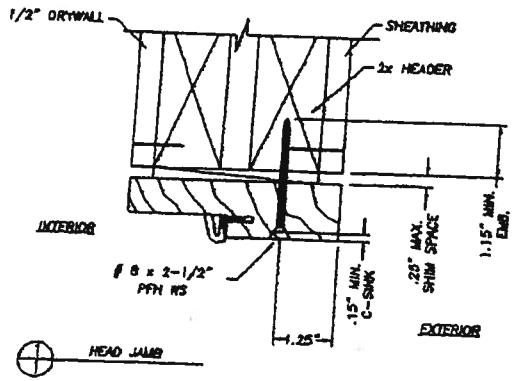
NOTE:
1. When using a 1X sub-buck a 6-9/16" jamb is required to allow for min. edge spacing for Tapcon type anchors.
2. A minimum clearance of 2.0" for all anchoring screws to mortar joints must be maintained.

AUGUST 13, 2002
Lyndon F. Schmidt
Florida P. E. No. 43409

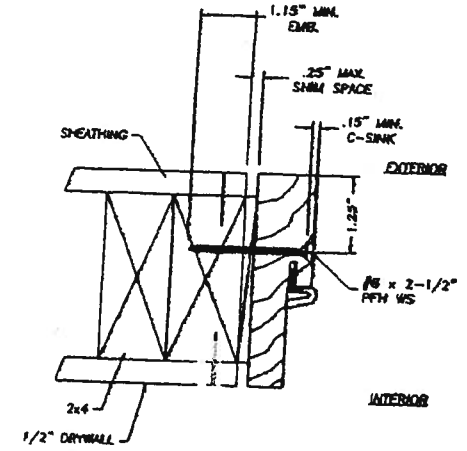
THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE

ANCHOR CROSS SECTIONS
MASONRY 6'8
OUT-SWING WOOD FRAME

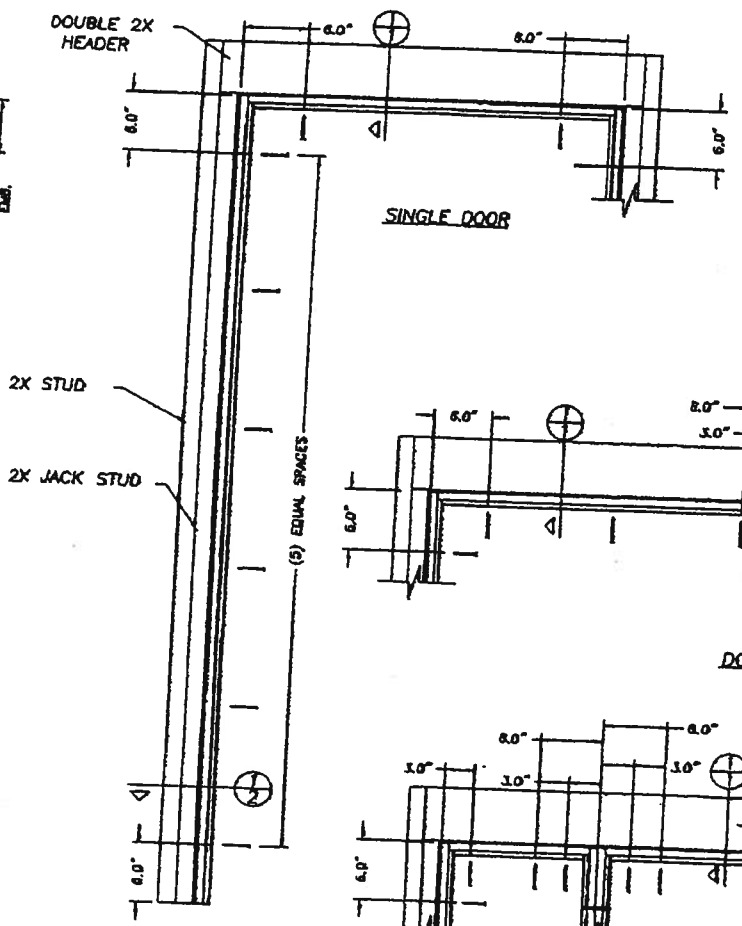
RW BUIL... CONSULTANTS, 813.859.9...
DATE: 7/30/0...
SCALE: NTS
DRAWN BY: WL
CHK. BY: RW
DRAWING NO.: IT-109-0...
SHEET 3 OF ...

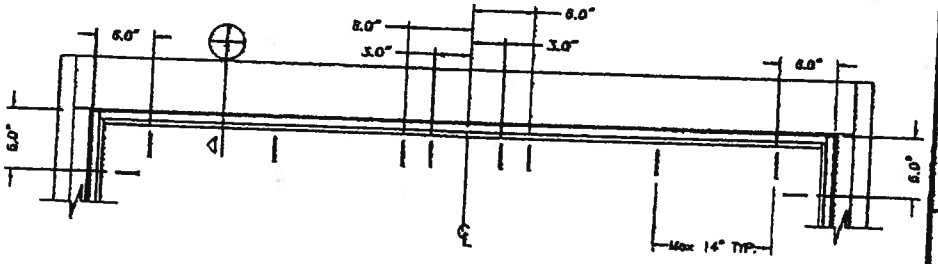


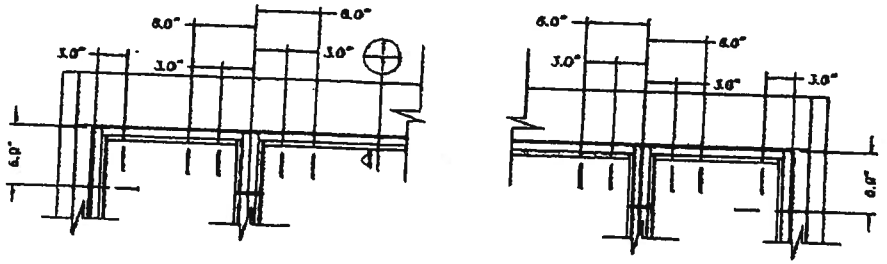
HEAD JAMB



VERTICAL SIDE JAMB







AUGUST 12, 2002
Lyndon F. Schmidt

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE

ANCHOR CROSS SECTIONS
WOOD OR STEEL STUD

RW
CONSULTANTS
615.650.91

DWG. 7/30/
SCALE NTS
DWN. BY:
CHK. BY:
DRAWING NO.: TT-108-
SHEET 4 OF

Report No. ETC 01-741-10622.0
DC Notification Number ETC 01018 - Date: May 25, 2001
ETC Certification # 99-0416.01
Test Start Date: March 23, 2001
Test End Date: May 1, 2001

Test Requested By: THERMA TRU CORP
108 Mutzfeld Rd.
Butler, IN 46721
Phone 219 – 868 – 5811
Facsimile 219 – 868 - 5190

Tests Conducted: PA 201, PA 202 & PA 203 (with no deviations)

Design Pressures:

Specimen 1	(PA 202)	Out-swing	+ 67.0 psf.	- 67.0 psf.
Specimen 2,	(PA 202)	In-swing	+ 67.0 psf.	- 67.0 psf.
Specimen 5	(PA 201 & 203)	In-swing	+ 67.0 psf.	- 67.0 psf.
Specimens 3 & 4	(PA 201 &203)	Out-swing	+ 67.0 psf.	- 67.0 psf.

Section 1 - DESCRIPTION OF SERIES:

Model Designation – Therma-Tru Construction Series Opaque Wood Edge Steel Door

Overall Size:
Specimens 1, 3 & 4 - Out-swing Bumper Threshold - 37.5 in. W. x 80.5 in. H. x 4.6 in. D
Specimens 2 & 5 - In-swing Saddle Threshold - 37.5 in. W x 82.0 in. H x 4.6 in. D

Configuration: All Specimens are operable (X)

No. & Size of Doors: All Specimens are opaque door panels
1 active leaf - 36.0 in. W x 79.25 in.H

Section 2 - MATERIAL CHARACTERISTICS:

Frame and Door Material: Finger jointed pine jambs and steel panels.

Florida Registered Professional Engineers Review: 8-7-01
Reg. # 42929, ~~May 25, 2001~~ -Joseph L.Doldan
Signature: Joseph L. Doldan

Section 2 - MATERIAL CHARACTERISTICS Cont.:

Frame Construction:

The head jambs and side jambs are finger jointed pine measuring 4.656 in.W. x 1.211 in. Thk. The head jamb and side jambs are mortised, butted and joined using (3) 0.5 in. Crown x 2 in. - 16 ga. wire staples at each end. The following thresholds were tested, specimens 1, 3 & 4 - Therma-Tru Aluminum Out-swing Bump measuring 4.602 in. x 0.837 in. and attached to the jamb with (2) 0.5 in. Crown x 2.5 in. - 16 ga. wire staples at each end. Specimen 1A was affixed with an add-on high dam sill that increased the height of the original bump threshold to 1.878 in. at the inner most plane of the frame system. Specimens 2 & 5 – Self-adjusting In-swing saddle threshold (Alum/Wood/Vinyl) measuring 5.767 in. x 1.548 in. and attached to the jamb with (2) 0.5 in. Crown x 2.5 in. - 16 ga. wire staples at each end. The hinge jamb was mortised to receive Therma-Tru 4.0 in. x 4.0 in. self-locating hinges located at 9.25 in., 38.5 in. and 67.75 in. from the top of the door jamb.

Panel Construction:

The panel is constructed from 25 Ga. (0.018 in. min. thick) galvanized and primed coated steel face sheets. The interior cavity of each door is filled with BASF polyurethane foam. The face sheet edges are roll formed to form a mechanical interlock with the hinge (1.234 in. thick x 1.660 in. wide) and latch finger jointed pine stiles (1.242 in. thick x 1.660 in. wide). The stiles are machined to interlock with the steel face sheets. The top rail is finger jointed pine (0.789 in. thick x 1.660 in. wide) and the bottom rail is wood composite (0.892 in. thick by 1.660 in. wide) and kerfed to receive a door sweep (sweep used on in-swing models only). The stiles and rails are pressure fitted and contact cement is used to secure them to the steel face sheets. The hinge stile was mortised at 8.375 in., 37.625 in. and 66.875 in. from the top of the door panel to receive 3 Therma-Tru 4.0" x 4.0" butt type hinges.

Glazing: N / A

Glazing Material: N / A

Glazing Method: N / A

Daylight Opening: N / A

Weather-stripping:

Specimens 1, 3 & 5	Hinge Jamb 1 pc Therma-Tru long reach foam compression weather-strip. Latch Jamb 1 pc Therma-Tru long reach foam compression weather-strip. Head Jamb 1 pc Therma-Tru long reach foam compression weather-strip. Corner pad seals 2 – 1 at each side jamb at threshold
Specimens 2 & 4	Hinge Jamb 1 pc Therma-Tru short reach foam compression weather-strip. Latch Jamb 1 pc Therma-Tru short reach foam compression weather-strip. Head Jamb 1 pc Therma-Tru short reach foam compression weather-strip. Corner pad seals 2 – 1 at each side jamb at threshold
Specimens 1, 3 & 4 -	Out-swing Bump threshold 1 row Therma-Tru vinyl bulb weather-strip.
Specimens 2 & 5 -	Therma-Tru vinyl fixed door bottom sweep.

Section 2 - MATERIAL CHARACTERISTICS (Con't.):

Hardware: All Specimens (1) Kwikset 700 Series Latchbolt at 44.0 in. from top of panel.
(The strikeplate was attached to the jamb with (2) #8 x 2.5 in. PFH WS.)
(1) Kwikset 700 Deadbolt at 38.5 in. from top of panel.
(The strikeplate was attached to the jamb with (2) #8 x 2.5 in. PFH WS.)
(3) Therma-Tru 4 in. butt type hinges
(The hinge was fastened to the door panel with (4) #10 x 0.75 in PFH WS and fastened to the jamb with (3) #10 x 0.75 in. PFH WS and (1) #10 x 2.0 in. PFH WS.)

Weepholes: None

Muntins: None

Reinforcement: None

SEALANT: Latex caulking as needed to seal unit into rough opening.

ADDITIONAL DESCRIPTION:

All specimens were installed in a wood test buck.

Section 3 - INSTALLATION:

Screws and Method of Attachment:

Specimens 1, 2, 3, 4 & 5

14 - # 8 x 2.5 in. PFH WS, used to fasten the frame to the wood buck at head and side jambs.

(2) header - one at 6.0 in. from each end.

(6) hinge and latch jamb - In-swing one at 6.0 in. from each end and (4) additional at 14.0 in. on center.
Out-swing one at 6.0 in. from each end and (4) additional at 13.75 in. on center.

(3) threshold - 6.0 from each end and one in the center.

Note – Specimens 2 and 5 (in-swing) were not attached to the wood buck with any screws.

Florida Registered Professional Engineers Review: 8-7-01
Reg. # 42929, ~~May 25, 2001~~ -Joseph L.Doldan

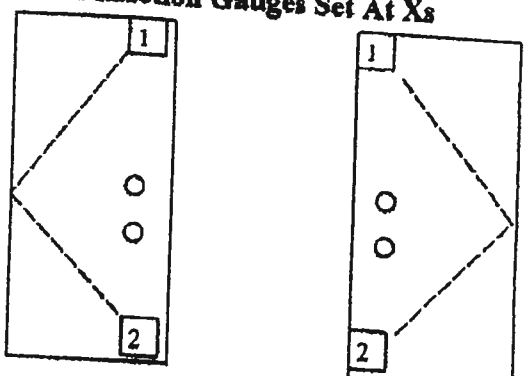
Signature: Joseph L. Dolan

Section 4 - SEQUENCE OF TESTS PERFORMED:

Test Sequence: PA 202

1. Air Infiltration
2. ½ Test Pressure Positive
3. Design Pressure Positive
4. ½ Test Pressure Negative
5. Design Pressure Negative
6. Water Infiltration Positive Direction
7. Full Test Pressure Positive
8. Full Test Pressure Negative
9. Forced Entry

Deflection Gauges Set At Xs



In-swing **X** Out-swing

Deflection was measured with two (2) Aerospace 2.0" dial indicators: location # 1-SN 213293 and location # 2-SN213848.

TEST RESULTS:

AIR INFILTRATION

Air Infiltration Tests were conducted in accordance with DCBCCD PA 202-94

Air at 1.57 psf		Actual	Allowable
Specimen 1	Out-swing	0.02 CFM/SQ FT	0.34 CFM/SQ FT
Specimen 2	In-swing	0.17 CFM/SQ FT	0.34 CFM/SQ FT

WATER INFILTRATION TEST

Water Infiltration Test was conducted in accordance with DCBCCD PA 202 – 94

Specimen 1	Out-swing	Water @ 8.25 psf for 15 min.	No water penetration over sill.
Specimen 1A	Out-swing	Water @ 10.0 psf for 15 min.	No water penetration over sill.
Specimen 2	In-swing	Water @ 2.86 psf for 15 min.	No water penetration over sill.

Note: Specimen 1(renamed 1A for water test) was affixed with an add on prototype threshold increasing the inner plane of the threshold to 1.875 in. above floor to achieve the higher water test pressure of 10.0 PSF.

Florida Registered Professional Engineers Review: 8-7-01
Reg. # 42929, ~~May 25, 2001~~ -Joseph L.Doldan
Signature: Joseph L. Doldan

TEST RESULTS Cont.:

STATIC AIR PRESSURE TESTS

Static Tests were conducted in accordance with DCBCCD PA 202-94

Specimen 1 (out-swing) Design Loads + 67.0 psf, - 67.0 psf.

Range of test Positive loads	Time (Sec.)	Load (psf)	Deflection (in.)	Perm. Set (in.)
1/2 Test	30	50.25		
Design	30	67.00		
Test	30	100.50	Door T (1) 0.389 Door B (2) 0.372	0.015 0.016
Range of test Negative loads	Time (Sec.)	Load (psf)	Deflection (in.)	Perm. Set (in.)
1/2 Test	30	50.25		
Design	30	67.00		
Test	30	100.50	Door T (1) 1.750 Door B (2) 1.650	0.281 0.257

(1) Door T - Max. allowable perm. set at completion of test load (0.4% of span) .004 x 79.25 in. = 0.317 in.
(1) Door T - Max. allowable perm. set at completion of test load (0.4% of span) .004 x 79.25 in. = 0.317 in.

Specimen 2 (In-swing) Design Loads + 67.0 psf, - 67.0 psf.

Range of test Positive loads	Time (Sec.)	Load (psf)	Deflection (in.)	Perm. Set (in.)
1/2 Test	30	50.25		
Design	30	67.00		
Test	30	100.50	Door T (1) 1.610 Door B (2) 1.510	0.274 0.251
Range of test Negative loads	Time (Sec.)	Load (psf)	Deflection (in.)	Perm. Set (in.)
1/2 Test	30	50.25		
Design	30	67.00		
Test	30	100.50	Door T (1) 0.395 Door B (2) 0.365	0.012 0.010

(1) Door T - Max. allowable perm. set at completion of test load (0.4% of span) .004 x 79.25 in. = 0.317 in.
(1) Door T - Max. allowable perm. set at completion of test load (0.4% of span) .004 x 79.25 in. = 0.317 in.

8-7-01

Florida Registered Professional Engineers Review: Reg. # 42929, ~~May 25, 2001~~ -Joseph L.Doldan

Signature: Joseph L. Doldan

TEST RESULTS Cont.:

FORCED ENTRY TEST

Forced Entry Test was conducted in accordance with DCBCCD PA202-94

Specimen	Size	Time	Result
Specimen 1	37.5 in. W x 80.5 in. H	30 seconds	(Doors remained locked & shut)
Specimen 2	37.5 in. W x 82.0 in. H	30 seconds	(Doors remained locked & shut)

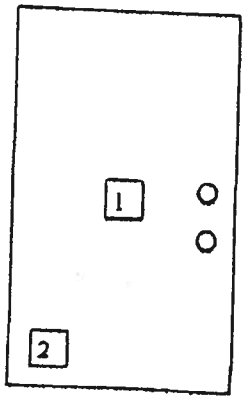
NOTE: Active door panel remained engaged and was operable before and after all tests.

IMPACT TEST – LARGE MISSILE

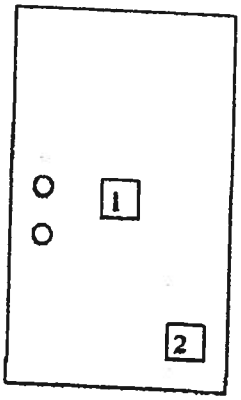
Impact tests were conducted in accordance with DCBCCD PA 201-94.

Note:
X measurement from left edge of specimen.
Y measurement from top edge of test specimen.

Type and weight of missile: # 2 Southern Yellow Pine, Nominal 2x4,
Length approx. 88.25 in., Weight - 9 lb.



X (In-swing)



X (Out-swing)

Specimen 3 **Opaque Single Door (Out-swing)**

Impact No.	Impact Loc.	Speed (Ft/Sec)	X-Meas. (in.)	Y-Meas. (in.)
1.	1	50.1	16.75	40.25
2.	2	50.2	28.75	71.00

None of the impacts penetrated the specimen and all locks remained engaged. 6-7-01

Florida Registered Professional Engineers Review: Reg. # 42929, ~~May 25, 2001~~ -Joseph L.Doldan

Signature: Joseph L. Doldan

TEST RESULTS Cont.:

IMPACT TEST – LARGE MISSILE Cont:

Specimen 4 **Opaque Single Door (Out-swing)**

Impact No.	Impact Loc.	Speed (Ft/Sec)	X-Meas (in.)	Y-Meas (in.)
1.	1	50.1	18.0	40.0
2.	2	50.0	28.5	72.5

None of the impacts penetrated the specimen and all locks remained engaged.

Specimen 5 **Opaque Single Door (In-swing)**

Impact No.	Impact Loc.	Speed (Ft/Sec)	X-Meas (in.)	Y-Meas (in.)
1.	1	50.2	16.75	39.50
2.	2	50.1	8.0	72.0

None of the impacts penetrated the specimen and all locks remained engaged.

FATIGUE LOADING TEST

Cycle tests were conducted in accordance with DCBCCD PA 203

Specimen 3 **Opaque Single Door (Out-swing)**

Design Load psf = + 67.0 psf, - 67.0 psf

Positive loads

Range of Test	# Cycles	Load (psf)	Cycles/Min.
+ 0 to 0.5	600	33.5	23
+ 0 to 0.6	70	40.2	23
+ 0 to 1.3	1	87.1	

671 cycles completed

Negative Loads

Range of Test	# Cycles	Load (psf)	Cycles/Min.
+ 0 to 0.5	600	33.5	23
+ 0 to 0.6	70	40.2	23
+ 0 to 1.3	1	87.1	

671 cycles completed

Florida Registered Professional Engineers Review: 8-7-07
Reg. # 42929, ~~May 25, 2001~~ -Joseph L.Doldan
Signature: Joseph L. Doldan

TEST RESULTS Cont.:

FATIGUE LOADING TEST (Con.t.)

Specimen 4 **Opaque Single Door (Out-swing)**

Design Load psf = + 67.0 psf, - 67.0 psf

Positive loads

Range of Test	# Cycles	Load (psf)	Cycles/Min.
+ 0 to 0.5	600	33.5	23
+ 0 to 0.6	70	40.2	23
+ 0 to 1.3	1	87.1	

671 cycles completed

Negative Loads

Range of Test	# Cycles	Load (psf)	Cycles/Min.
+ 0 to 0.5	600	33.5	23
+ 0 to 0.6	70	40.2	23
+ 0 to 1.3	1	87.1	

671 cycles completed

Specimen 5 **Opaque Single Door (In-swing)**

Design Load psf = + 67.0 psf, - 67.0 psf

Positive loads

Range of Test	# Cycles	Load (psf)	Cycles/Min.
+ 0 to 0.5	600	33.5	23
+ 0 to 0.6	70	40.2	23
+ 0 to 1.3	1	87.1	

671 cycles completed

Negative Loads

Range of Test	# Cycles	Load (psf)	Cycles/Min.
+ 0 to 0.5	600	33.5	23
+ 0 to 0.6	70	40.2	23
+ 0 to 1.3	1	87.1	

671 cycles completed

Specimens showed no resultant failure or duress after cycle test. No failure of fasteners. Locks remained engaged. There were no cracks longer than 5 in. x 1/16 in. through which air could pass observed. The door was operable at end of test.

Florida Registered Professional Engineers Review: 8-7-01
Reg. # 42929, ~~May 25, 2001~~ -Joseph L.Doldan
Signature: Joseph L. Doldan

Section 5 - DRAWINGS TO BE SUBMITTED:

1. L-2110 sheets 1 through 10 of 10
2. Laboratory Anchor Sketch

Comment: Nominal 2 mil polyethylene film was used to seal against air leakage during structural loads. The film was used in a manner that did not influence the test results.

Observers:

Steve Kepler – Project Scientist, THERMA-TRU Corp.
Rick Wright – Consultant, R.W. Building Consultants, Inc.

Dade County Witness:

Not present

All Tests Witnessed by:

Joseph L. Doldan, P.E.
Arthur Murray, ETC Laboratories
Bill Yanda, ETC Laboratories

cc: THERMA TRU CORP. (2)
Rick Wright (2)
File (1)

Florida Registered Professional Engineers Review: 8-7-01 Reg. # 42929, ~~May 25, 2001~~ -Joseph L.Doldan

Signature: Joseph L. Doldan

Conditions, Terms, and General Notes Regarding These Tests

The product tested has been compared to the detailed drawings, bill of materials and fabrication information supplied by the client so named herein. Our analysis, which includes dimensional and component description comparisons, indicate the tested product and engineering information supplied by the client **"Are Equivalent"**. The report and representative samples will be retained for four years from the date of initial test.

These test results were obtained by employing all requirements of the designated test methods with no deviations. The test results and specimen supplied for testing are in compliance with the referenced specifications.

The test results are specific to the product tested by this laboratory and of the sample supplied by the client named herein, and they relate to no other product either manufactured by the client, a Fabricator of the client or of installed field performance.

This report does not constitute an AAMA, NWWDA or Dade County certified product under the certification programs of these organizations. The program administrator of these programs and organizations may only grant product certification.

ETC Laboratories makes no opinions or endorsements regarding this product and its performance. This report may not be reproduced or quoted in partial form without the expressed written approval of ETC Laboratories.

ETC Laboratories letters, reports, it's name or insignia or mark are for the exclusive use of the client so named herein and any other use is strictly prohibited. The report, letters and the name of ETC Laboratories, its seal or mark shall not be used in any circumstance to the general public or in any advertising.

Limitation of Liability: Due diligence was used in rendering this professional opinion. By acceptance of this report, this client agrees to hold harmless and indemnify ETC Laboratories, it's employees and offices and owners against all claims and demands of any kind whatsoever, which arise out of or in any manner connected with the performance of work referred to herein. ETC laboratories reserves the right to subcontract any and all work for its clients in order to fulfill its contractual obligations for testing to these standards.

For ETC Laboratories

Bill Yanda
Test Technician

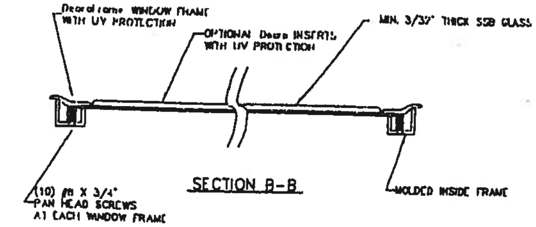
Arthur Murray
Laboratory Manager
Wind Engineering Laboratory

Florida Registered Professional Engineers Review: 8-7-01
Reg. # 42929, ~~May 25, 2001~~ -Joseph L.Doldan

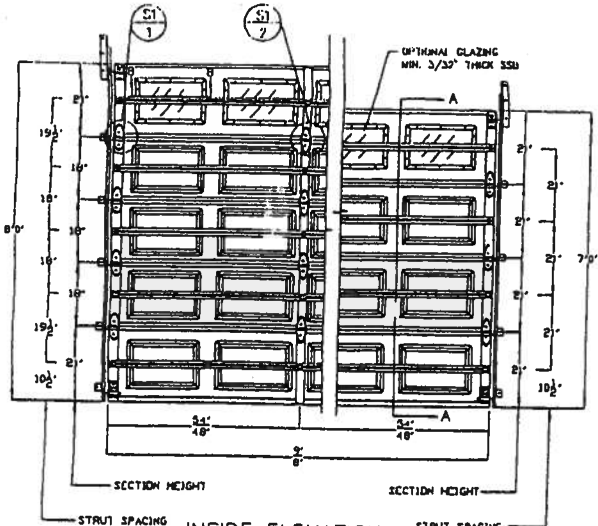
Signiture: Joseph L. Doldan

GLAZING OPTION CROSS SECTION

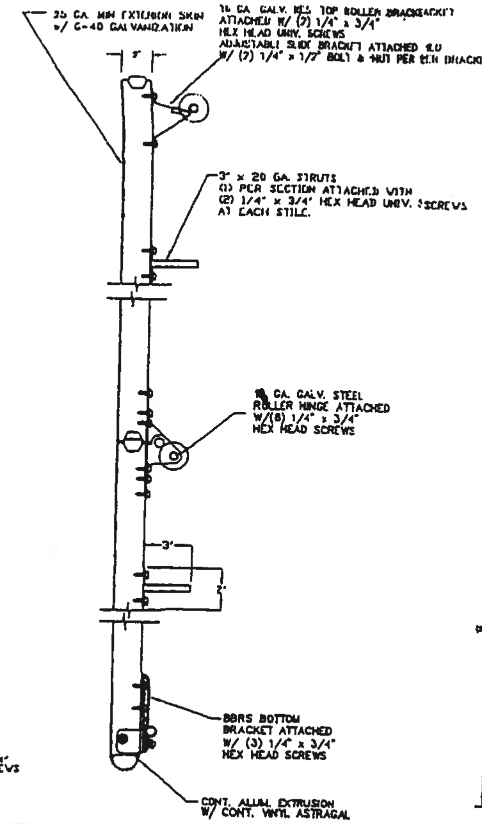
TEST No. SHC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -64.7 PSF. BY COMPARISON, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 8' X 7' AND 8' X 8' MODEL 600 AND 850 DOORS.



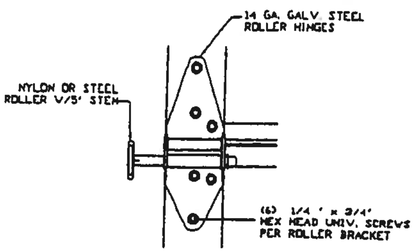
SECTION B-B



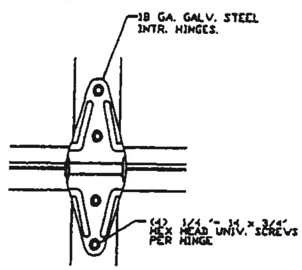
INSIDE ELEVATION



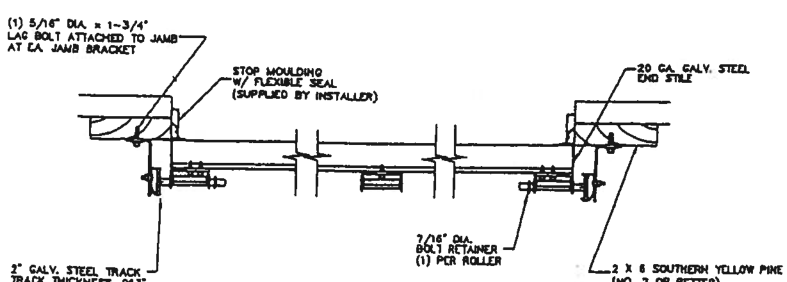
SECTION A-A (SIDE VIEW)



TYP. ROLLER BRACKET (S1 1)
N.T.S.



TYP. HINGE CONNECTION (S1 2)
N.T.S.



TRACK MOUNTING DETAIL

WOOD JAMB ATTACHMENT TO STRUCTURE

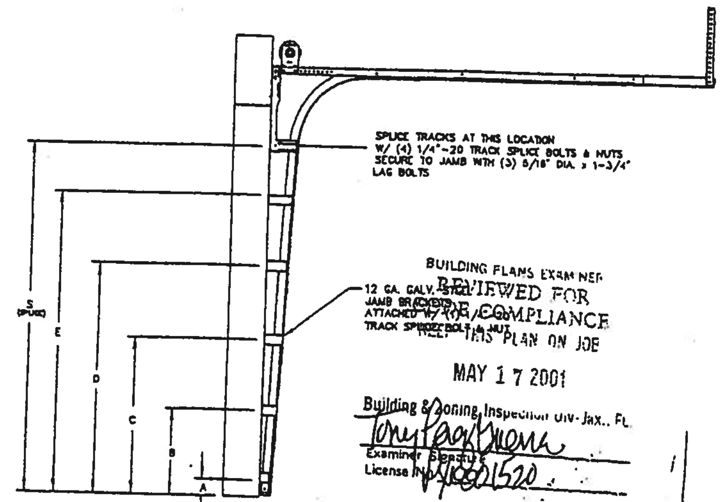
RATED FOR 110 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



BUILDING PLANS EXAMINER
REVIEWED FOR CODE COMPLIANCE
KEEP THIS PLAN ON JOB
MAY 1 7 2001
Building & Zoning Inspection Div.-Jax., FL.
Examiner Signature
License No.

4/19/01

TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

JAMB BRACKET LOCATIONS

	A	B	C	D	E	S
6'-6"	4"	21-1/2"	39"	57"		70"
7'-0"	4"	21-1/2"	42"	63"		76"
7'-6"	4"	18"	36"	54"	72"	82"
8'-0"	4"	21-1/2"	39"	57"	75"	88"

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.018") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION.
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330-90, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING THE FOLLOWING PARAMETERS:
   A. BASIC WIND SPEED OF 110 MPH
   B. DOOR CAN BE INSTALLED WITH 5 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF C

MAX SIZE 8' x 8'

DESIGN LOADS +28.7 PSF -31.3 PSF

TEST LOADS +43.0 PSF -46.0 PSF

Amarr

MODEL #600 STRATFORD
MODEL #850 HERITAGE III

SIZE B

SBC-580-007-J

SHEET 1 OF 1

TAMKO®
ROOFING PRODUCTS

FEB - 4 2002

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.

CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-341-1925

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE -------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE --------110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

☑ ☐ d) Location, size and height above roof of chimneys.
☑ ☐ e) Location and size of skylights
☑ ☐ f) Building height
☑ ☐ e) Number of stories

Floor Plan including:

☑ ☐ a) Rooms labeled and dimensioned.
☑ ☐ b) Shear walls identified.
☐ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
☐ ☑ d) Show safety glazing of glass, where required by code.
☑ ☐ e) Identify egress windows in bedrooms, and size.
☐ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
☐ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☑ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
☑ ☐ b) All posts and/or column footing including size and reinforcing
☐ ☐ c) Any special support required by soil analysis such as piling
☐ ☐ d) Location of any vertical steel.

Roof System:

☑ ☐ a) Truss package including:
1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☐ ☐ b) Conventional Framing Layout including:
1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☐ ☐ a) Masonry wall
1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall
1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

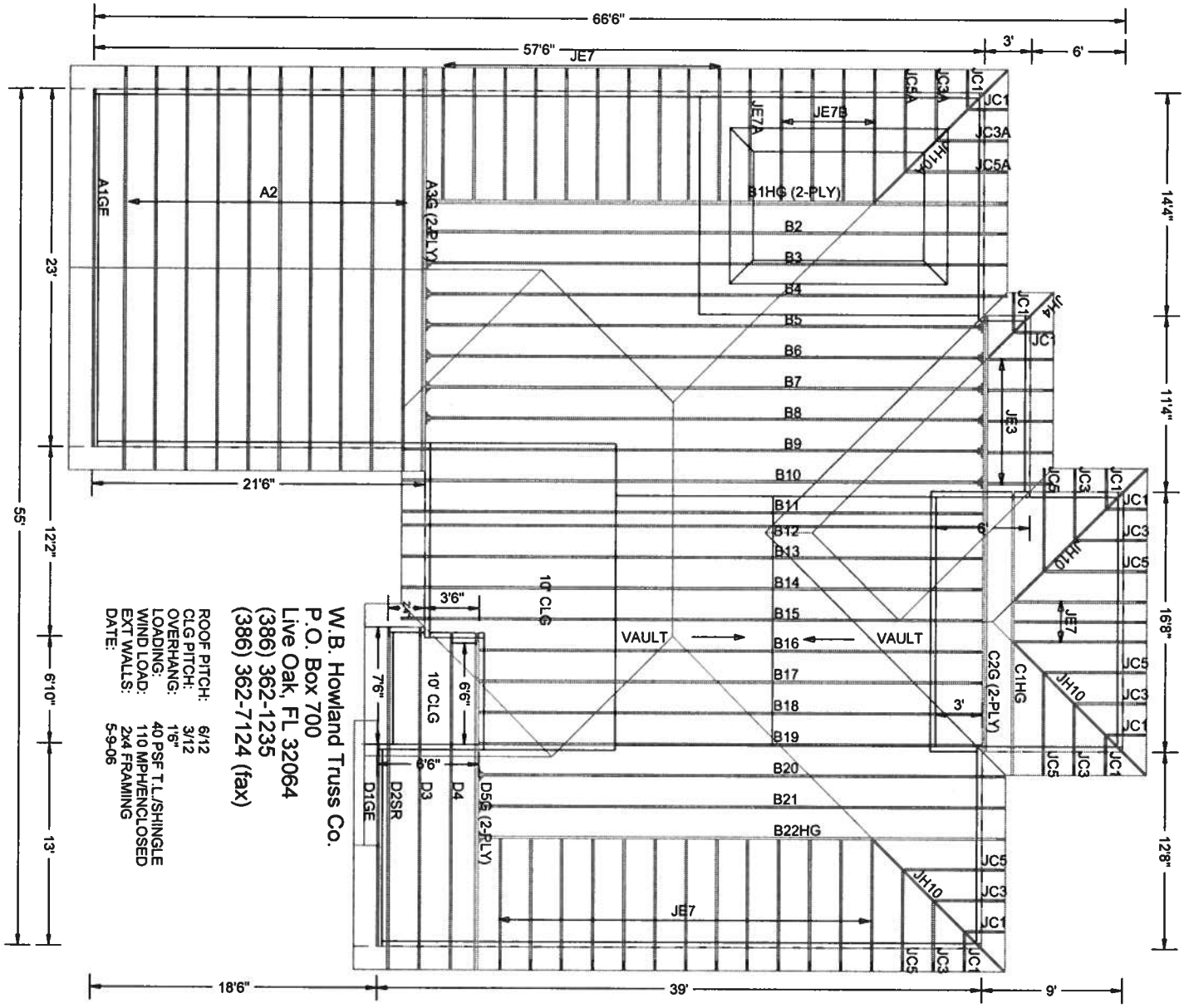
☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
☐ ☐ b) Floor joist size and spacing
☐ ☐ c) Girder size and spacing
☐ ☐ d) Attachment of joist to girder
☐ ☐ e) Wind load requirements where applicable
☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
☑ ☐ b) Ceiling fans
☑ ☐ c) Smoke detectors
☑ ☐ d) Service panel and sub-panel size and location(s)
☑ ☐ e) Meter location with type of service entrance (overhead or underground)
☑ ☐ f) Appliances and HVAC equipment
☑ ☐ g) Arc Fault Circuits (AFCI) in bedrooms
☑ ☐ h) Exhaust fans in bathroom

HVAC information

☑ ☐ a) Energy Calculations (dimensions shall match plans)
☑ ☐ b) Manual J sizing equipment or equivalent computation
☐ ☐ c) Gas System Type (LP or Natural) Location and BTU demand of equipment
☐ ☐ **Disclosure Statement for Owner Builders**
☑ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**
☐ ☐ **Private Potable Water**



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

ROOF PITCH:	6/12
CLG PITCH:	3/12
OVERHANG:	1'6"
LOADING:	40 PSF T.L./SHINGLE
WIND LOAD:	110 MPH/ENCLOSED
EXT WALLS:	2x4 FRAMING
DATE:	5-9-06

Job Name:	Hudgins Residence
Customer:	Plumb Level Construction
Designer:	Chris McCall

JOB NO: 3508

PAGE NO: 1 OF 1

** LAMAR BOOZER **		PROJECT:	CUSTOM
900 EAST PUTNAM STREET		CLIENT:	PLUMB LEAVEL (HUDGINS
LAKE CITY, FL 32055		DATE:	5 31 06
RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS		DESIGNER:	LAMAR BOOZER

CLIENT INFORMATION:

NAME: PLUMB LEAVEL (HUDGINS)
ADDRESS:
CITY, STATE: LAKE CITY, FLORIDA 32055

TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. GAIN	= TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	261	8,516	0	10,385	10,385
9-I FRENCH DOOR DBL CLR GLS METL FR	57	1,934	0	2,234	2,234
12-D WALL R-11 +1/2"ASPHLT BRD(R-1.3)	1,556	5,603	0	3,311	3,311
11-C DOOR METAL POLYSTYRENE CORE	37	783	0	463	463
16-G CEILING R-30 INSULATION	2,005	2,977	0	3,111	3,111
22-A SLAB ON GRADE NO EDGE INSUL	239	8,712	0	0	0
SUBTOTALS FOR STRUCTURE:	4,155	28,525	0	19,504	19,504
PEOPLE	19	0	0	5,700	5,700
APPLIANCES	0	0	1,800	1,500	3,300
DUCTWORK	0	1,426	0	2,671	2,671
INFILTRATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
SENSIBLE GAIN TOTAL				29,375	
TEMP. SWING MULTIPLIER				X 1.00	
BUILDING LOAD TOTALS		29,951	1,800	29,375	31,175

SUPPLY CFM AT 16.70 DEG DT:	1,600	CFM PER SQUARE FOOT:	0.798
SQUARE FT. OF ROOM AREA:	2,005	SQUARE FOOT PER TON:	771.772

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 29.951 MBH
TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 2.598 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.

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:1SXB215-Z0318143955

Truss Fabricator:	W.B. Howland
Job Identification:	3508-/Hudgins Residence /Plumb Level Construction -- LAKE CITY, FL
Truss Count:	44
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.24.
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 - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Seal Date: 05/18/2006

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

Details: A11015EE-GBLLETIN-CNBRGBLK-BRCLBSUB-

#	Ref Description	Drawing#	Date
1	14312--A1GE	06138064	05/18/06
2	14313--A2	06138055	05/18/06
3	14314--A3G (2-PLY)	06138098	05/18/06
4	14315--B1HG (2-PLY)	06138065	05/18/06
5	14316--B2	06138066	05/18/06
6	14317--B3	06138067	05/18/06
7	14318--B4	06138068	05/18/06
8	14319--B5	06138069	05/18/06
9	14320--B6	06138070	05/18/06
10	14321--B7	06138071	05/18/06
11	14322--B8	06138072	05/18/06
12	14323--B9	06138073	05/18/06
13	14324--B10	06138074	05/18/06
14	14325--B11	06138075	05/18/06
15	14326--B12	06138076	05/18/06
16	14327--B13	06138077	05/18/06
17	14328--B14	06138078	05/18/06
18	14329--B15	06138079	05/18/06
19	14330--B16	06138080	05/18/06
20	14331--B17	06138081	05/18/06
21	14332--B18	06138082	05/18/06
22	14333--B19	06138083	05/18/06
23	14334--B20	06138084	05/18/06
24	14335--B21	06138085	05/18/06
25	14336--B22HG	06138086	05/18/06
26	14337--C1HG	06138087	05/18/06
27	14338--C2G (2-PLY)	06138097	05/18/06
28	14339--D1GE	06138088	05/18/06
29	14340--D2SR	06138089	05/18/06
30	14341--D3	06138090	05/18/06
31	14342--D4	06138091	05/18/06
32	14343--D5G (2-PLY)	06138096	05/18/06
33	14344--JC1	06138092	05/18/06
34	14345--JC3	06138056	05/18/06
35	14346--JC3A	06138057	05/18/06
36	14347--JC5	06138058	05/18/06
37	14348--JC5A	06138059	05/18/06
38	14349--JE3	06138060	05/18/06
39	14350--JE7	06138061	05/18/06
40	14351--JE7A	06138062	05/18/06
41	14352--JE7B	06138063	05/18/06
42	14353--JH4	06138093	05/18/06
43	14354--JH10	06138094	05/18/06
44	14355--JH10A	06138095	05/18/06

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1SXB215-Z0318143955

Truss Fabricator:	W.B. Howland
Job Identification:	3508-/Hudgins Residence /Plumb Level Construction -- LAKE CITY, FL
Truss Count:	3
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.24.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Seal Date: 05/18/2006

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	14315	B1HG (2-PLY)	06138065	05/18/06
2	14316	B2	06138066	05/18/06
3	14317	B3	06138067	05/18/06

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

Plates sized for a minimum of 3.00 sq.in./piece.

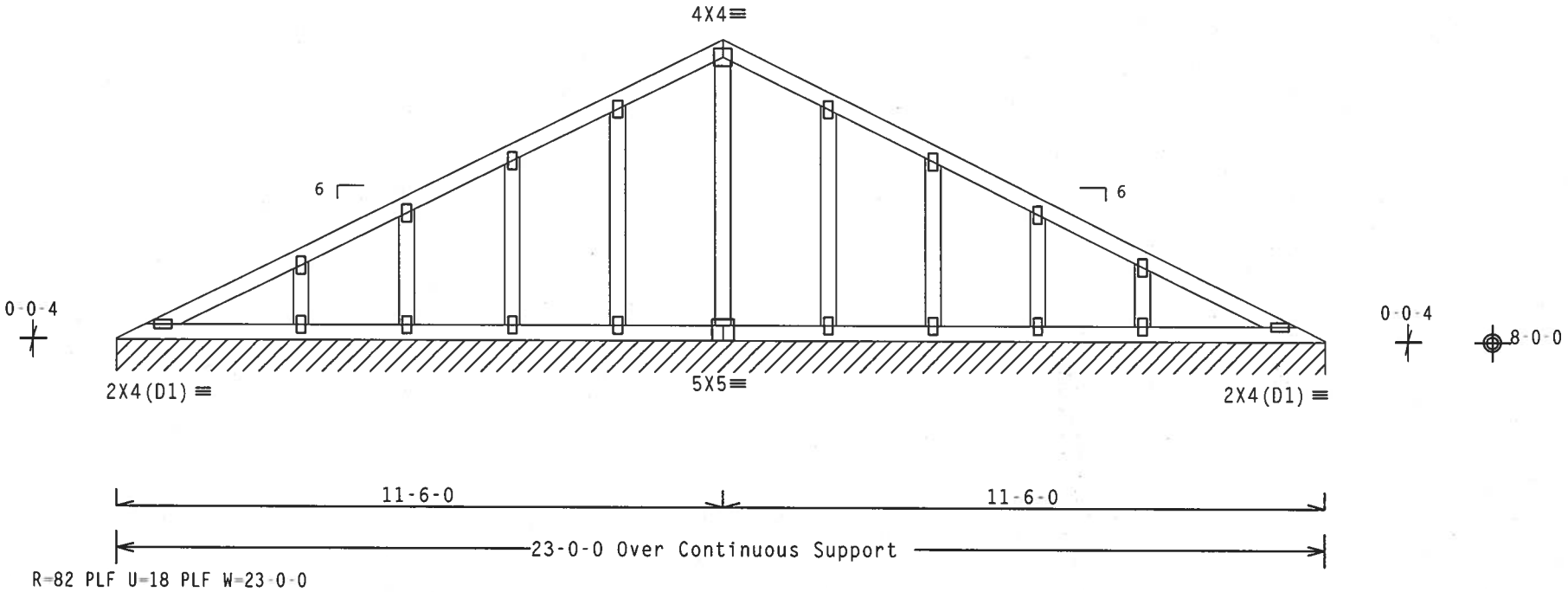
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

The overall height of this truss excluding overhang is 5-9-4.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18 06

TC LL	20.0 PSF	REF R215-- 14312
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138064
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 118706
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

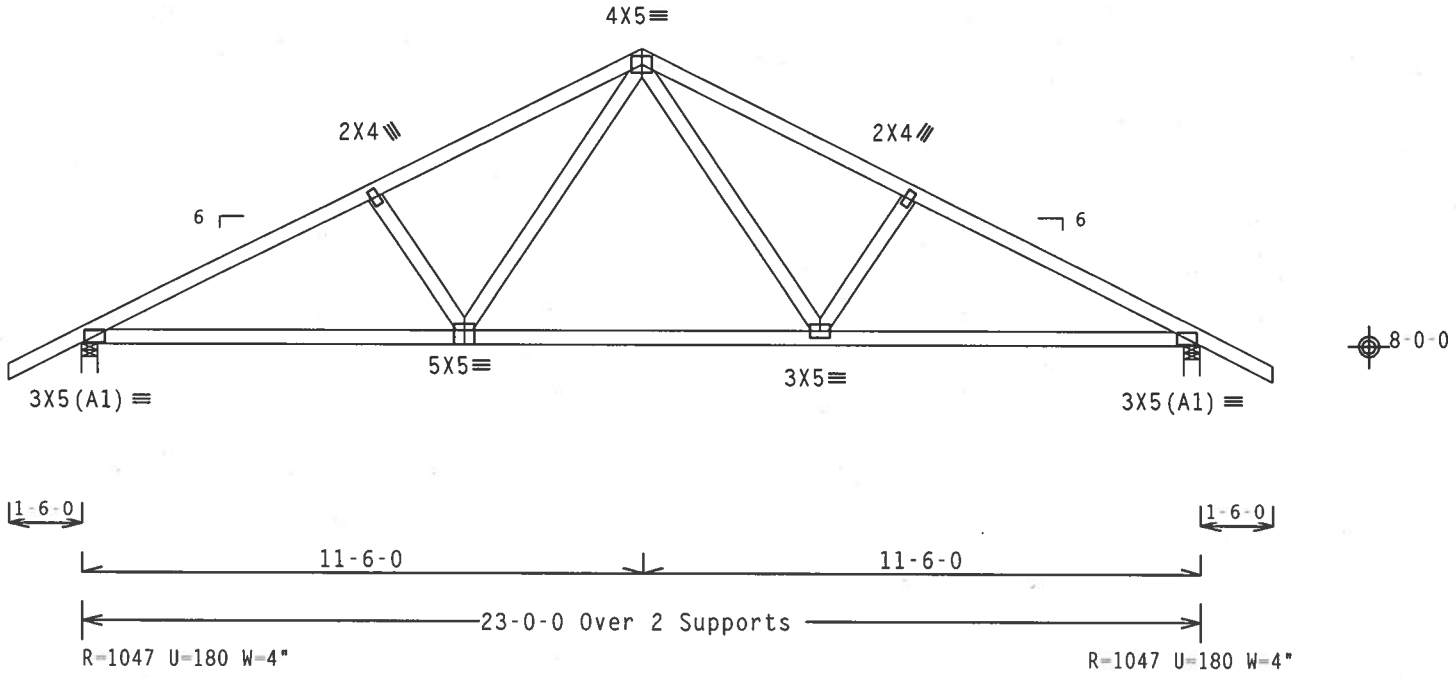
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 6-1-3.

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.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 1

QTY:10 FL/-/5/-/-/R/-

Scale =.25"/Ft.

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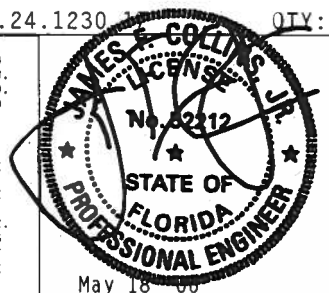


May 18 06

TC LL	20.0 PSF	REF	R215-- 14313
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138055
BC LL	0.0 PSF		HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN-	121207
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

Top chord 2x4 SP #2 N :T2 2x4 SP #2 Dense:
Bot chord 2x8 SP SS
Webs 2x4 SP #2 N
:Lt Wedge 2x6 SP #2 N::Rt Wedge 2x6 SP #2 N:

SPECIAL LOADS
-------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 24.50
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 23.00
BC - From 4 PLF at 23.00 to 4 PLF at 24.50
BC - 3153 LB Conc. Load at 7.13
BC - 1477 LB Conc. Load at 9.06, 11.06, 15.06
BC - 1474 LB Conc. Load at 13.06
BC - 1482 LB Conc. Load at 17.06, 19.06, 21.06

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.

The overall height of this truss excluding overhang is 6-1-3.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @ 3.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

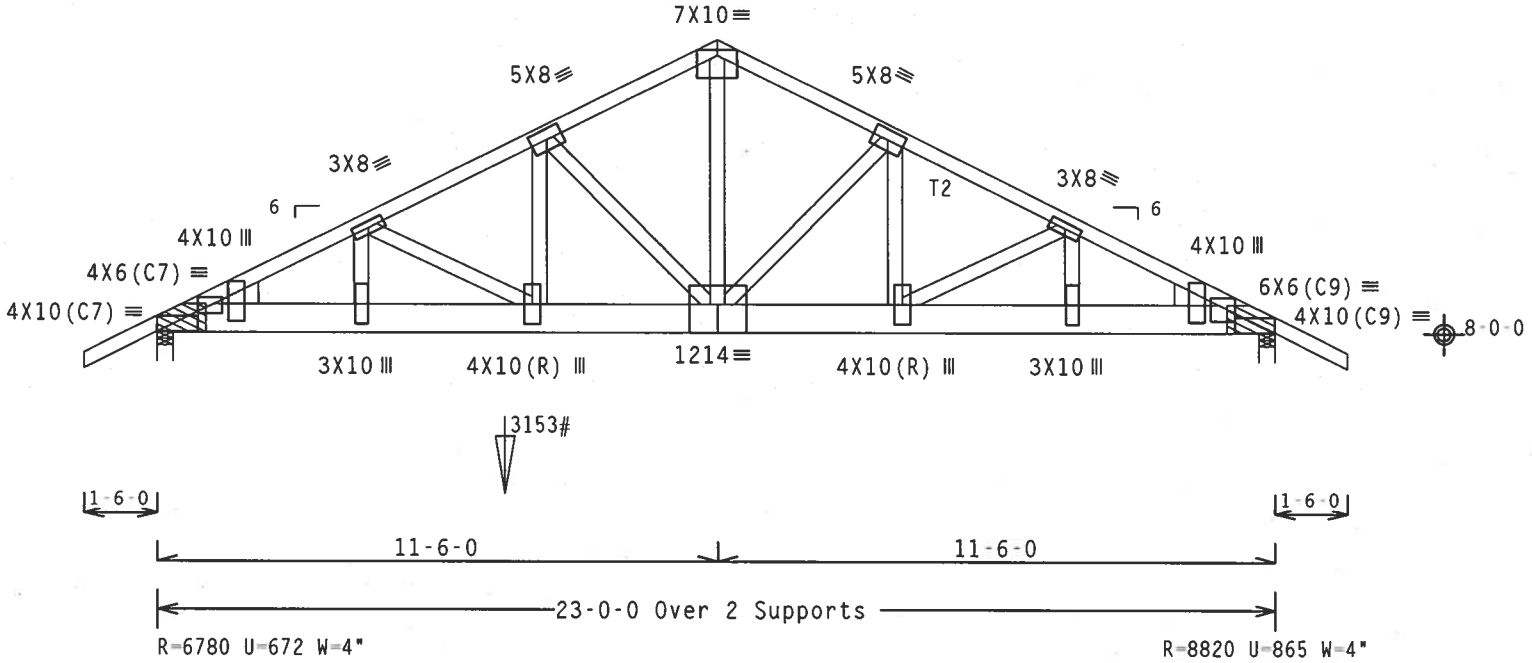
Bearing blocks: Nail type: 0.131"x3"_Gun_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
1	0.000'	1	12"	4	Match Truss
2	22.667'	1	12"	17	Match Truss

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

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

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 18 '06

TC LL	20.0 PSF	REF	R215-- 14314
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138098
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119398
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

Top chord 2x6 SP #2 N :T1 2x4 SP #2 N:
Bot chord 2x4 SP #2 N :B3 2x4 SP SS: :B4 2x6 SP SS:
:B5, B6 2x6 SP #2 N:
Webs 2x4 SP #2 N

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

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

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

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

2 COMPLETE TRUSSES REQUIRED

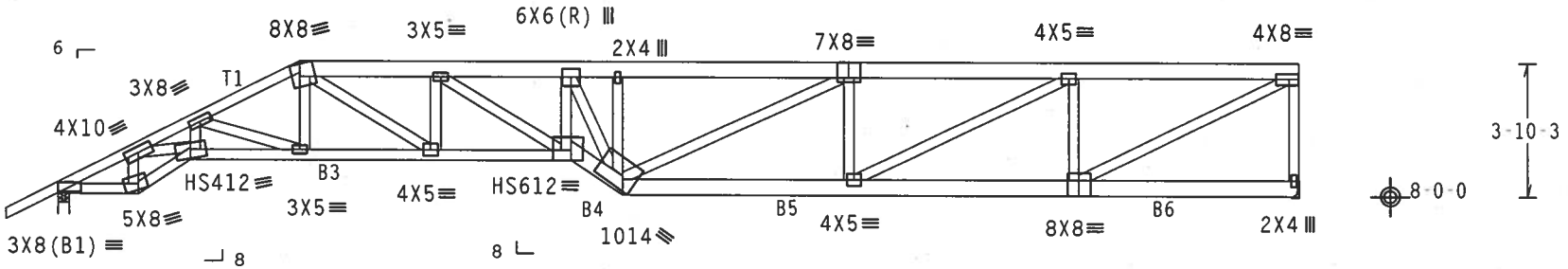
Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @ 4.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

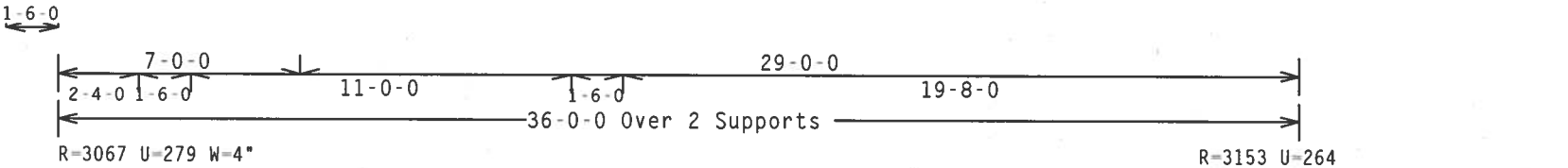
Right end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead load.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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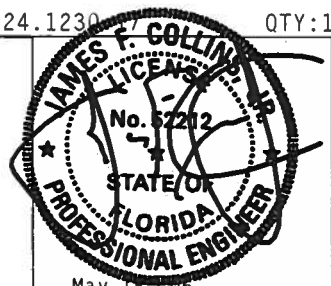


May 18 06

TC LL	20.0 PSF	REF	R215-- 14315
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138065
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119366 REV
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B3 2x4 SP #2 Dense:
Webs 2x4 SP #2 N

Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead load.

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

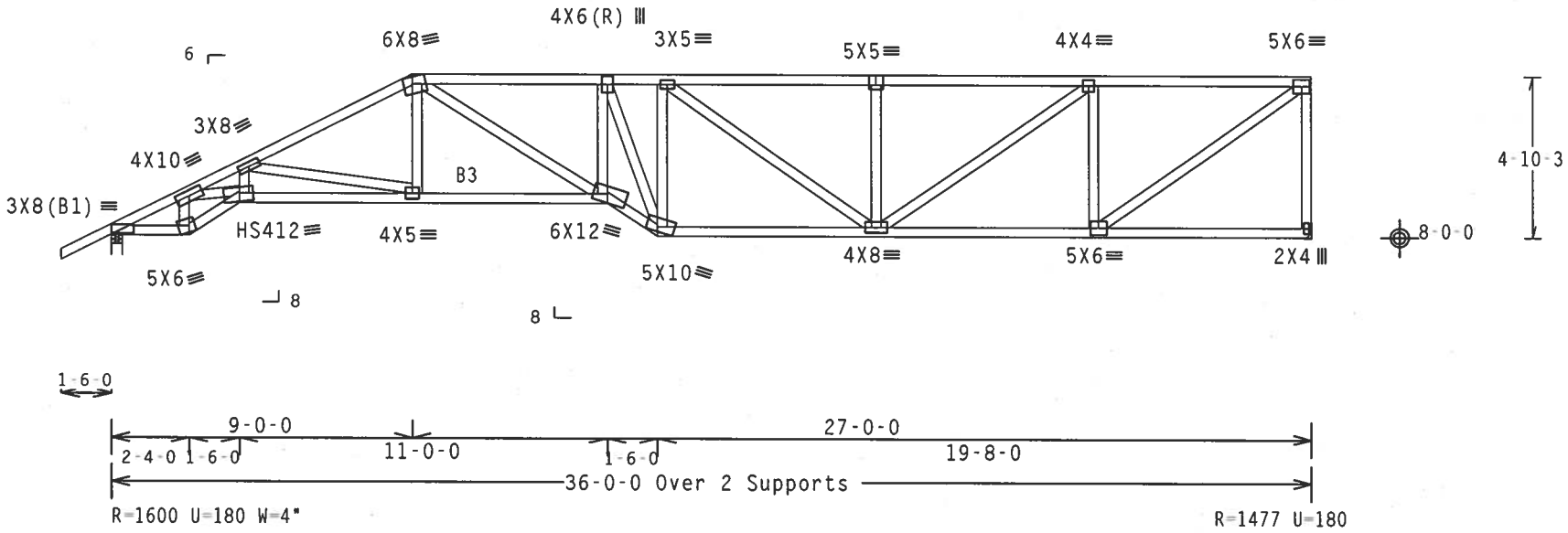
Plates sized for a minimum of 3.00 sq.in./piece.

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

Right end vertical not exposed to wind pressure.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.17 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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JAMES F. COLLINS, JR. LICENSE NO. 62212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18 06

TC LL	20.0 PSF	REF R215-- 14316
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138066
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 119373 REV
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

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

(A) Continuous lateral bracing equally spaced on member.

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

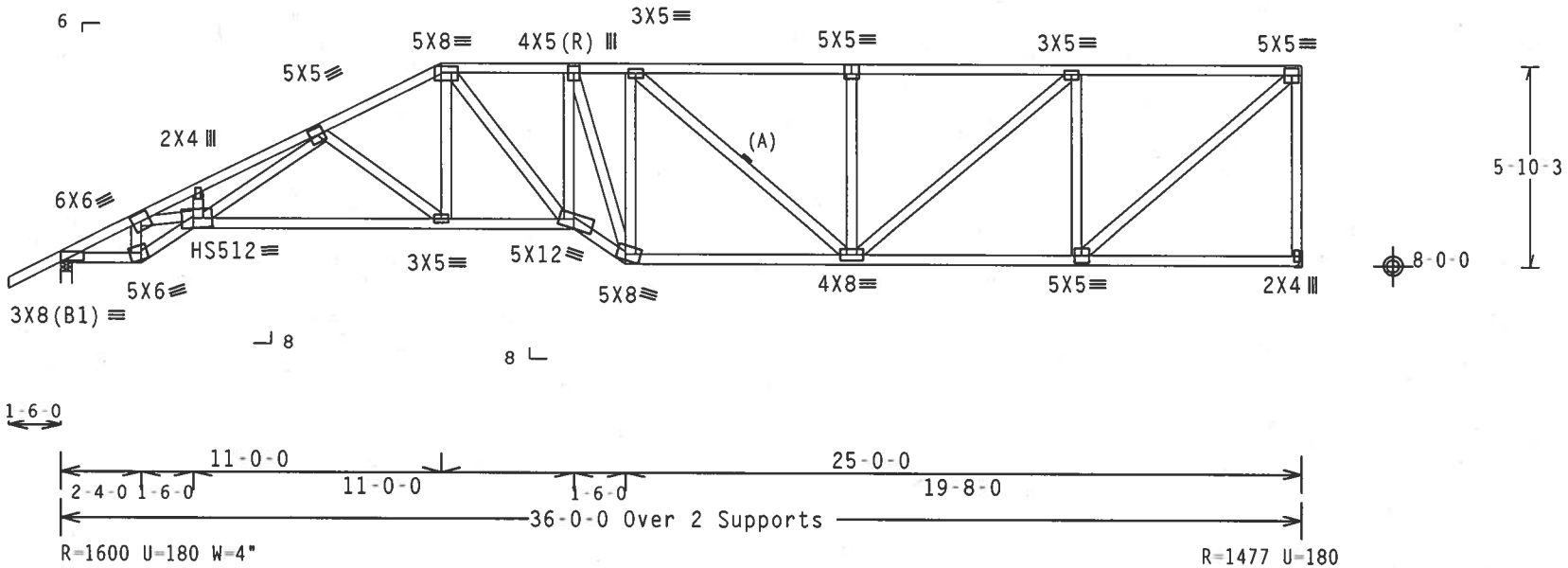
The overall height of this truss excluding overhang is 5-10-3.

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

Right end vertical not exposed to wind pressure.

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

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 17 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May

TC LL	20.0 PSF	REF R215-- 14317
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138067
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 119380 REV
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

(A) Continuous lateral bracing equally spaced on member.

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

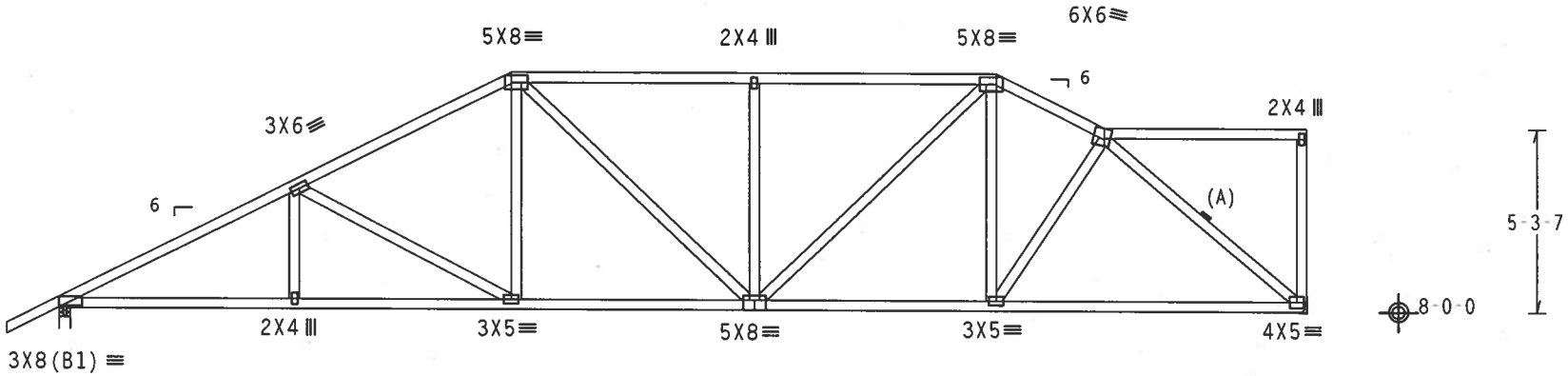
The overall height of this truss excluding overhang is 6-10-3.

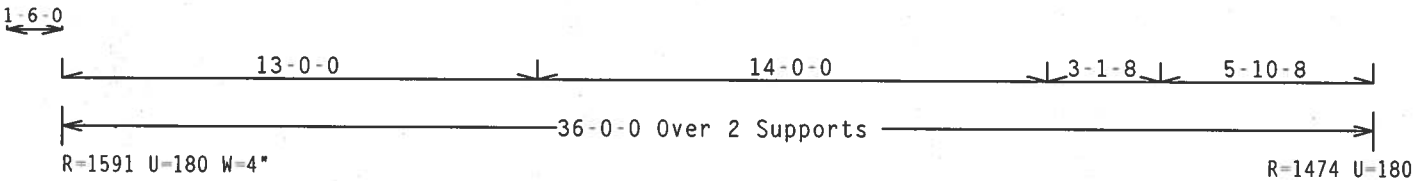
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 1[illegible] QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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May 18, 06

TC LL	20.0 PSF	REF	R215-- 14318
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138068
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119383
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

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

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

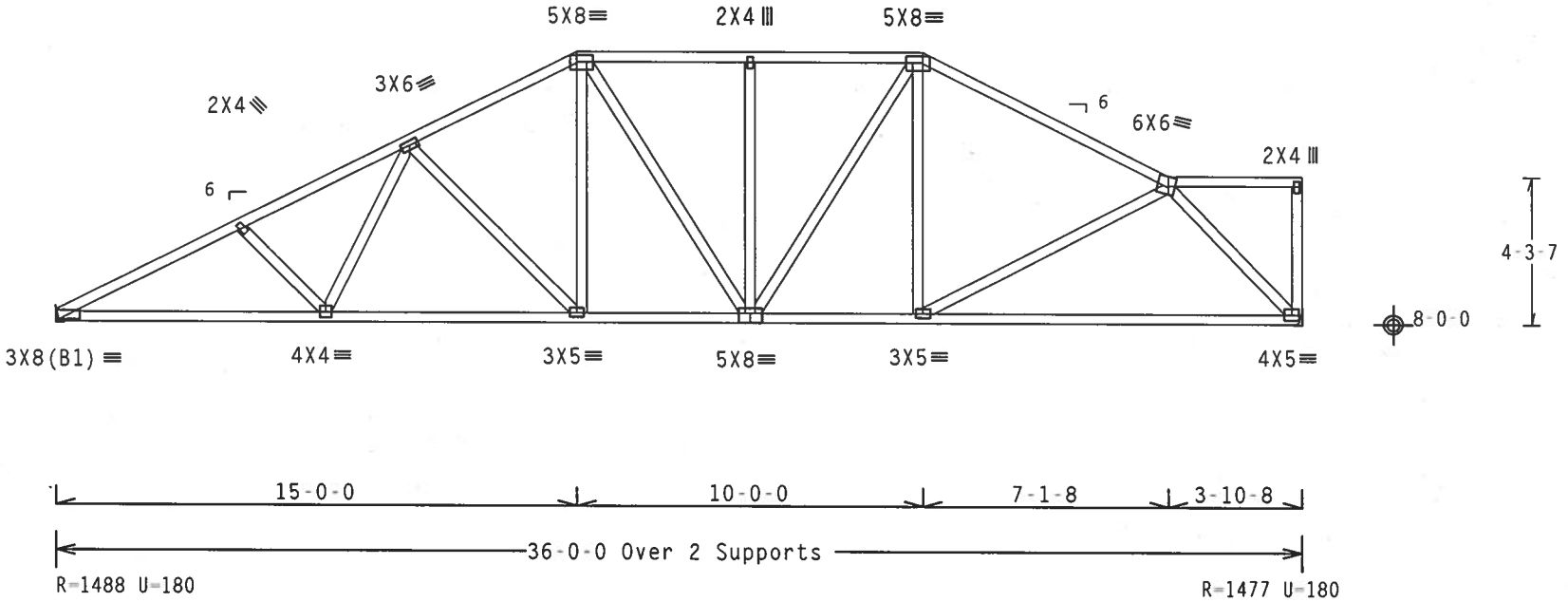
Plates sized for a minimum of 3.00 sq.in./piece.

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

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 7-10-3.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230

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

ALPINE

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

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18, 06

TC LL	20.0 PSF	REF	R215-- 14319
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138069
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119386
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

Top chord 2x4 SP #2 N :T2 2x4 SP SS:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

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

Plates sized for a minimum of 3.00 sq.in./piece.

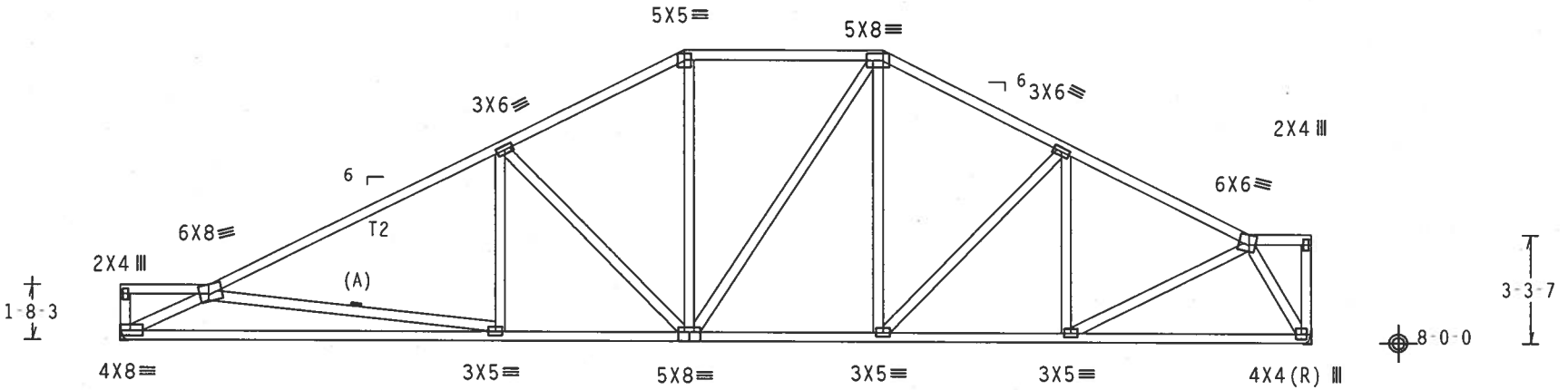
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

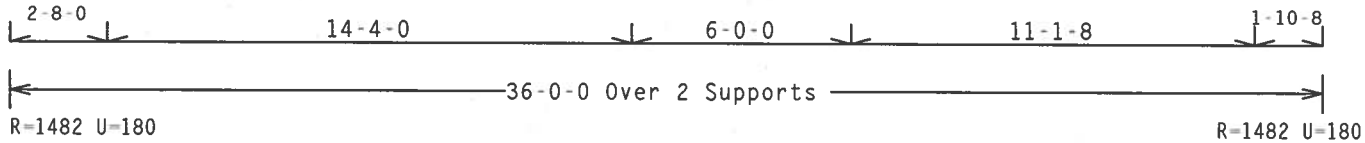
Right end vertical not exposed to wind pressure.

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

Provide for complete drainage of roof.

The overall height of this truss excluding overhang is 8-10-3.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cg/RT=1.00(1.25)/10(0) 7.24.1230.17

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

Scale =.1875"/Ft.

ALPINE

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

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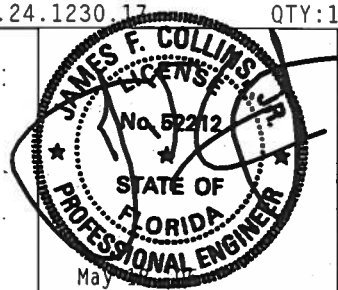


May

TC LL	20.0 PSF	REF	R215-- 14320
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138070
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119389
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

Top chord 2x4 SP #2 N :T3, T5 2x4 SP SS:
Bot chord 2x4 SP SS
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

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

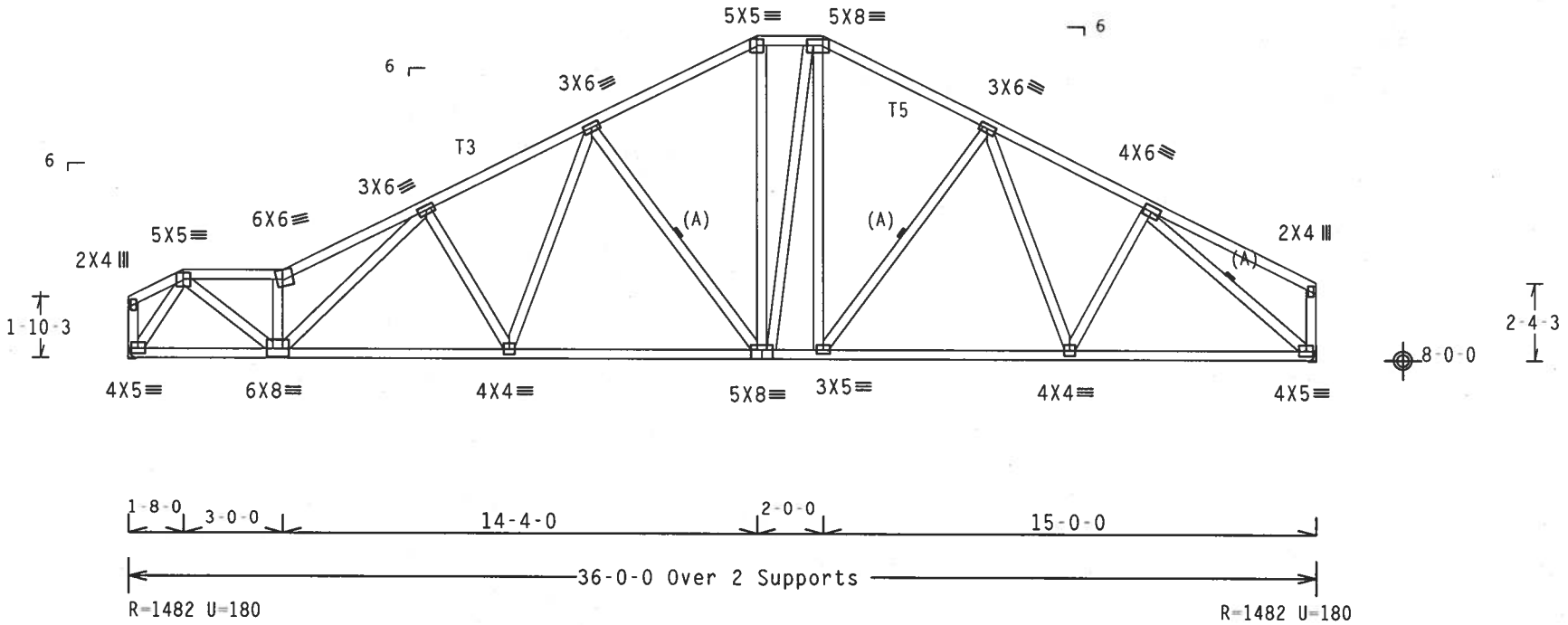
The overall height of this truss excluding overhang is 9-10-3.

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

Right end vertical not exposed to wind pressure.

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

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cg/RT=1.00(1.25)/10(0) 7.24.1230

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

Scale =.1875"/Ft.

ALPINE

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Haines City, FL 33844
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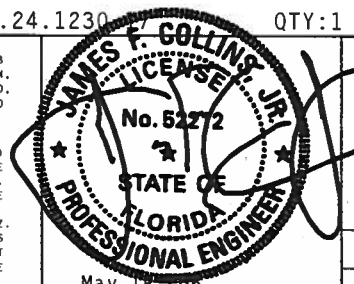


May 18 06

TC LL	20.0 PSF	REF	R215-- 14321
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138071
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119392
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

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

(A) Continuous lateral bracing equally spaced on member.

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

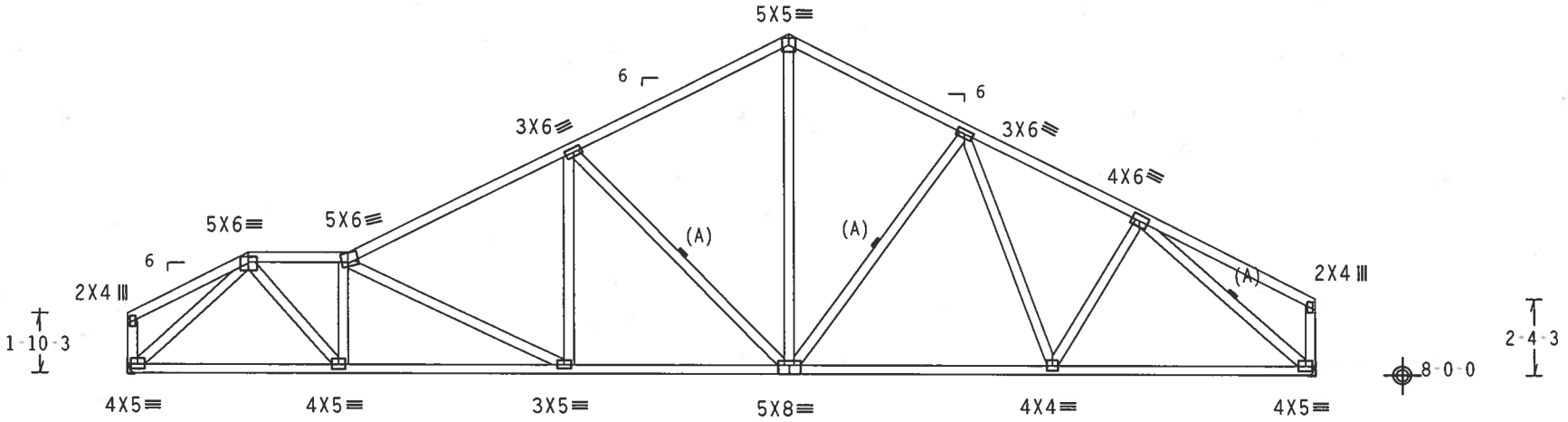
The overall height of this truss excluding overhang is 10-4-3.

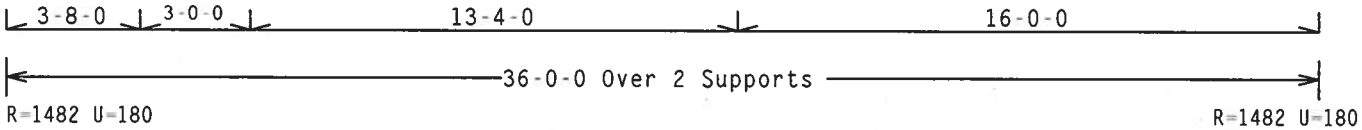
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

Plates sized for a minimum of 3.00 sq.in./piece.





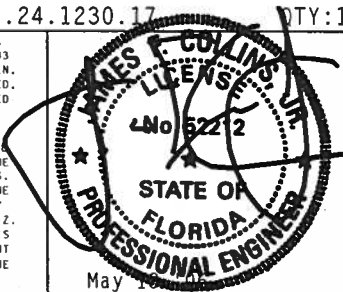
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.17

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

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



May 18, 2006

TC LL	20.0 PSF	REF R215-- 14322
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138072
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 119395
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

(A) Continuous lateral bracing equally spaced on member.

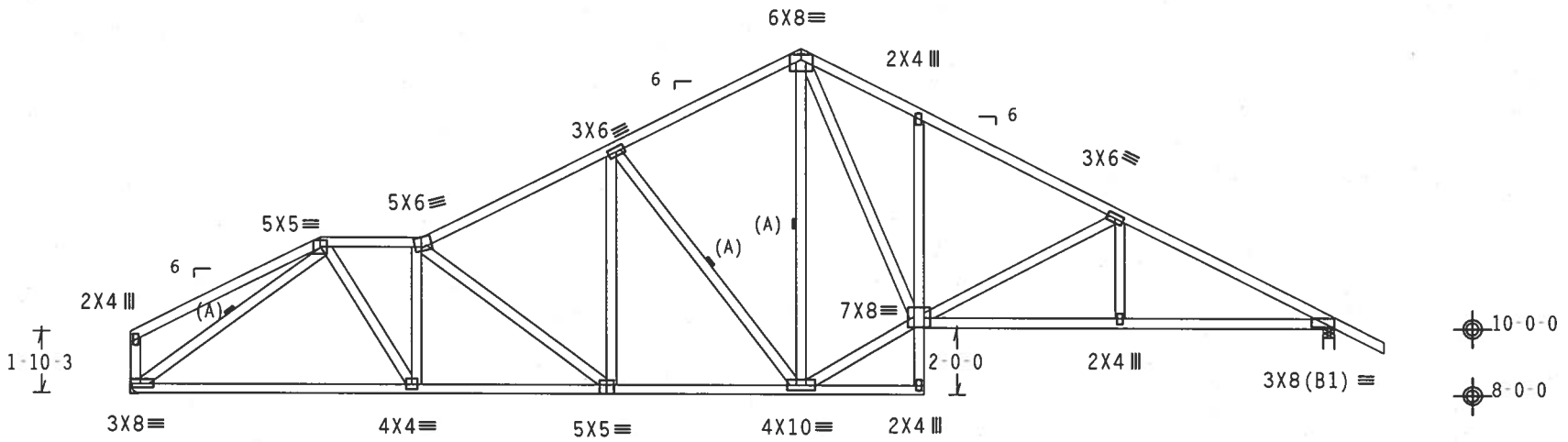
Deflection meets L/360 live and L/240 total load.

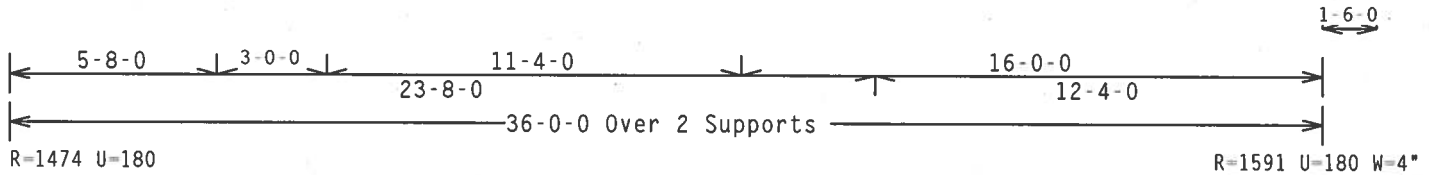
The overall height of this truss excluding overhang is 10-4-3.

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.

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

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230

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

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JAMES F. COLLINS, P.E. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 10, 2006

TC LL	20.0 PSF	REF	R215-- 14323
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138073
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119329
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

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

(A) Continuous lateral bracing equally spaced on member.

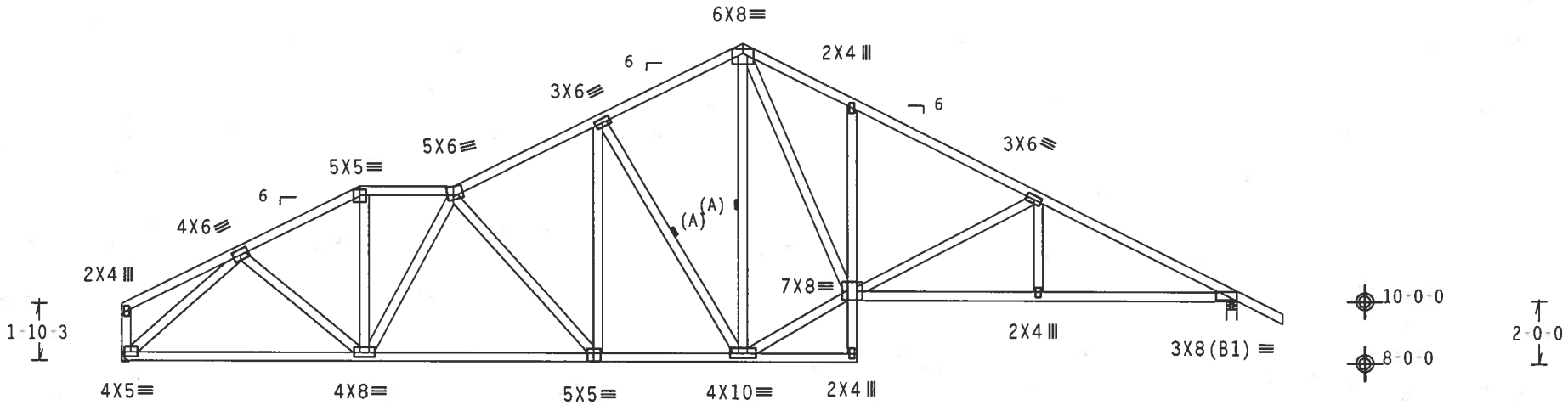
Deflection meets L/360 live and L/240 total load.

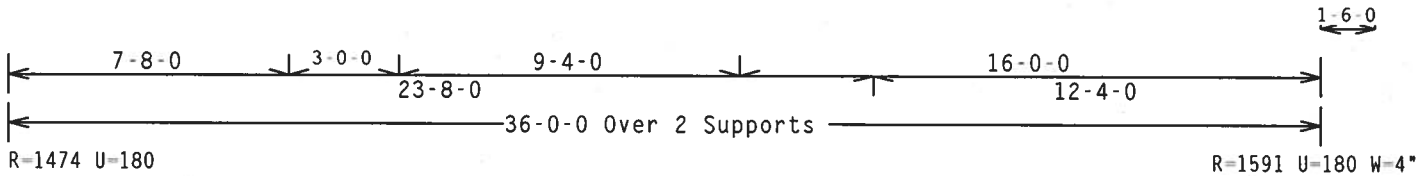
The overall height of this truss excluding overhang is 10-4-3.

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.

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

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230

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

Scale =.1875"/Ft.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18 06

TC LL	20.0 PSF	REF R215-- 14324
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138074
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 119332
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

(A) Continuous lateral bracing equally spaced on member.

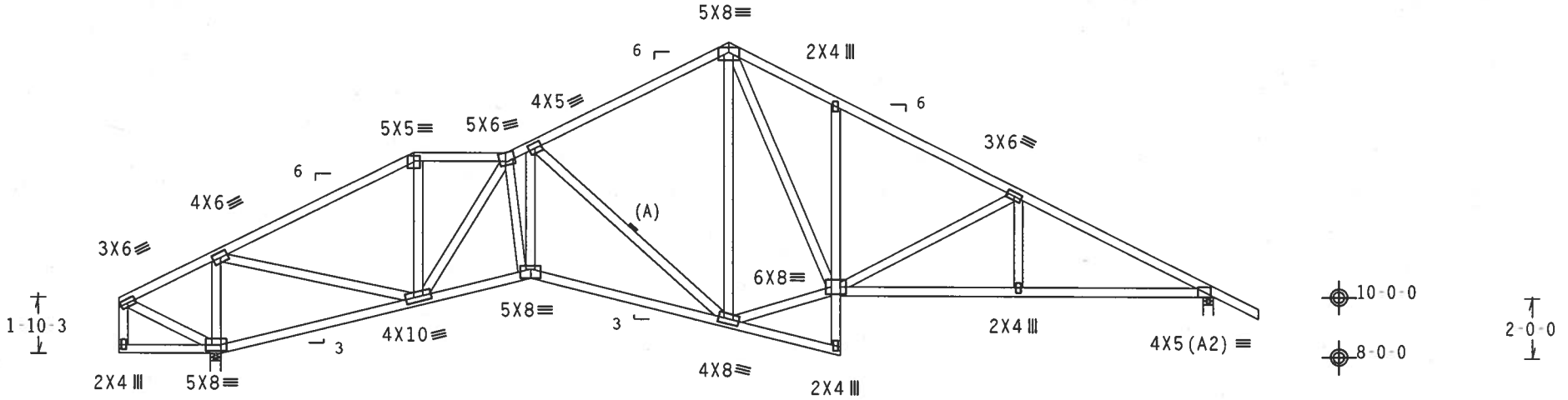
Deflection meets L/360 live and L/240 total load.

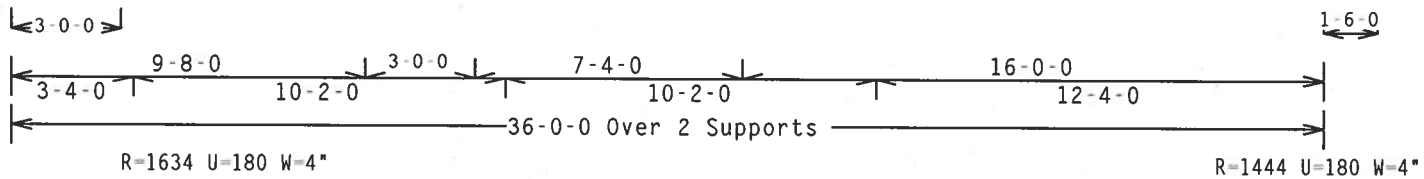
The overall height of this truss excluding overhang is 10-4-3.

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.

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

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 1[illegible] QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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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/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 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
FL Certificate of Authorization # 567

JAMES F. COLLINS, JR. LICENSE - No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18, 06

TC LL	20.0 PSF	REF	R215-- 14325
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138075
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	121279
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

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

(A) Continuous lateral bracing equally spaced on member.

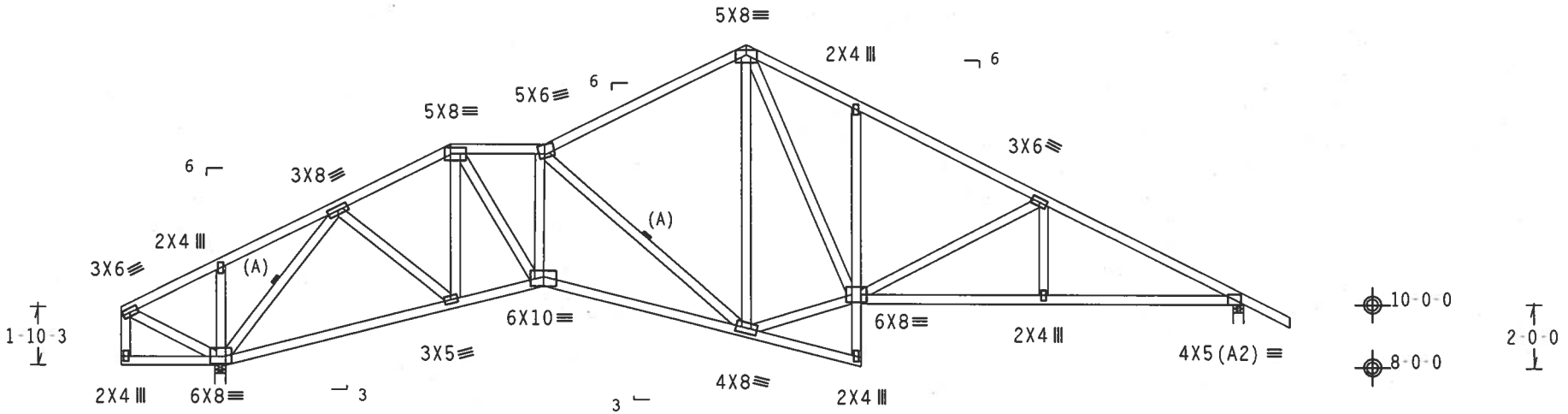
Deflection meets L/360 live and L/240 total load.

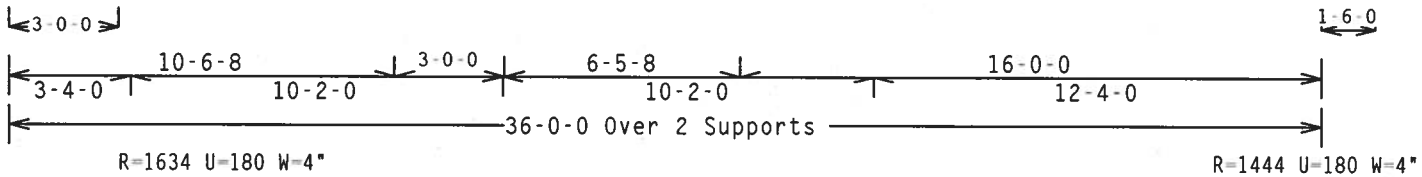
The overall height of this truss excluding overhang is 10-4-3.

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.

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

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230

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

Scale =.1875"/Ft.

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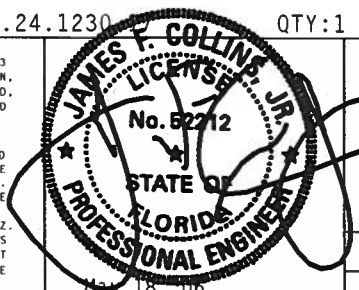


TC LL	20.0 PSF	REF	R215-- 14326
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138076
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	121283
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

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

Left end vertical not exposed to wind pressure.

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

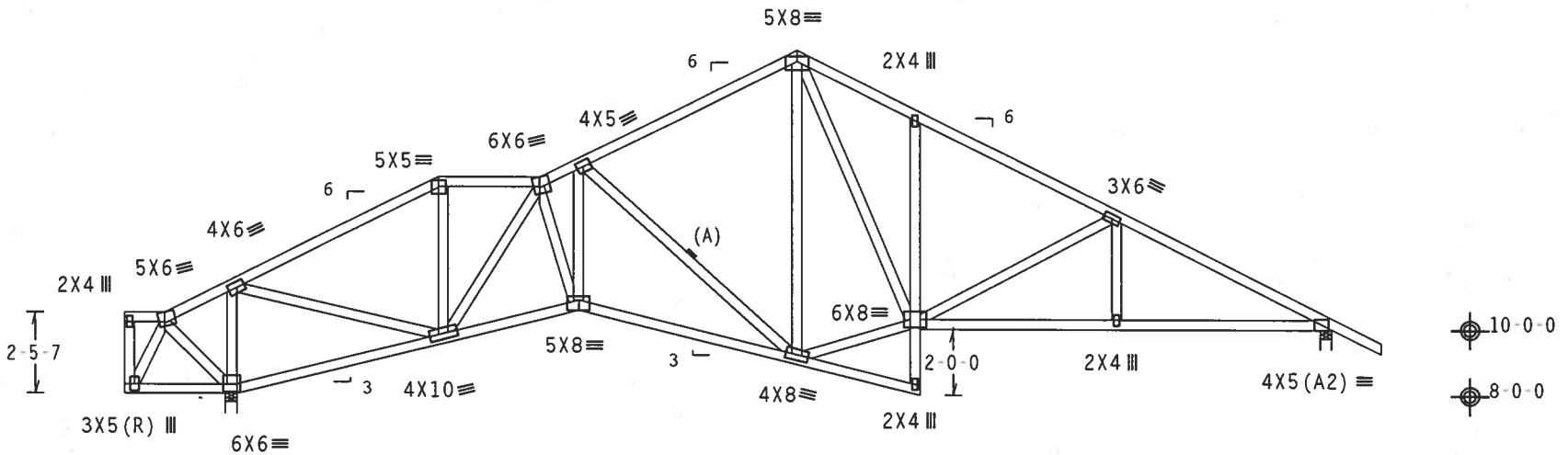
The overall height of this truss excluding overhang is 10-4-3.

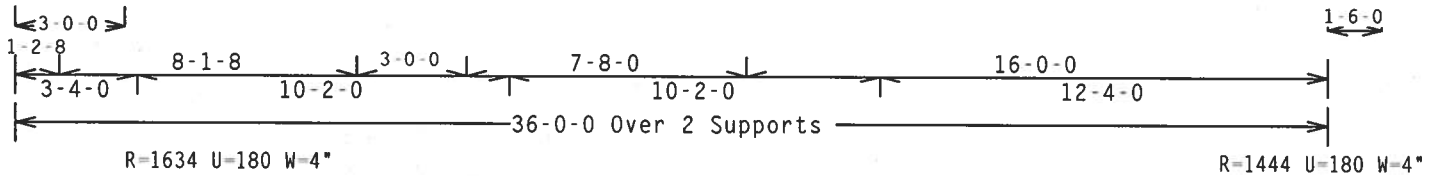
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230

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

Scale =.1875"/Ft.

ALPINE

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JAMES F. COLLINS, P.E. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18 06

TC LL	20.0 PSF	REF R215-- 14327
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138077
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 121288
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

Left end vertical not exposed to wind pressure.

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

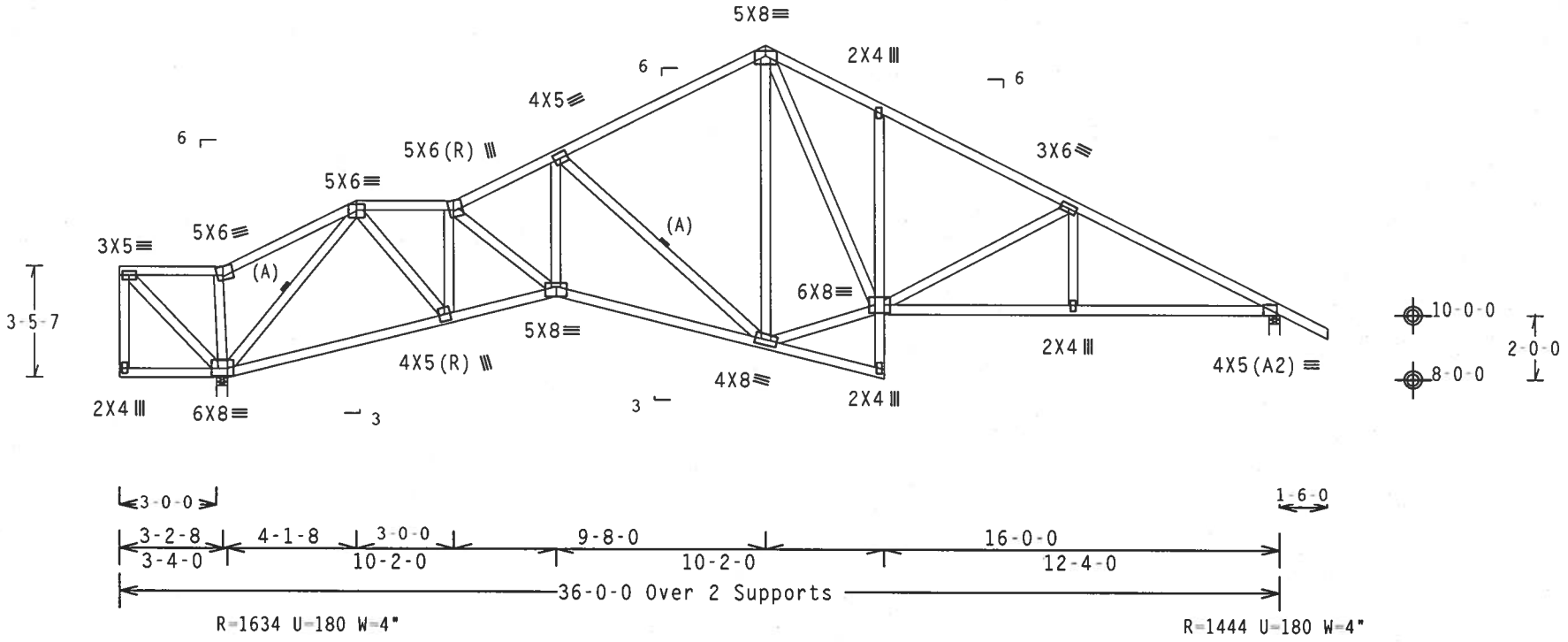
The overall height of this truss excluding overhang is 10-4-3.

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

(A) Continuous lateral bracing equally spaced on member.

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

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18 06

TC LL	20.0 PSF	REF R215-- 14328
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138078
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 121294
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

Left end vertical not exposed to wind pressure.

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

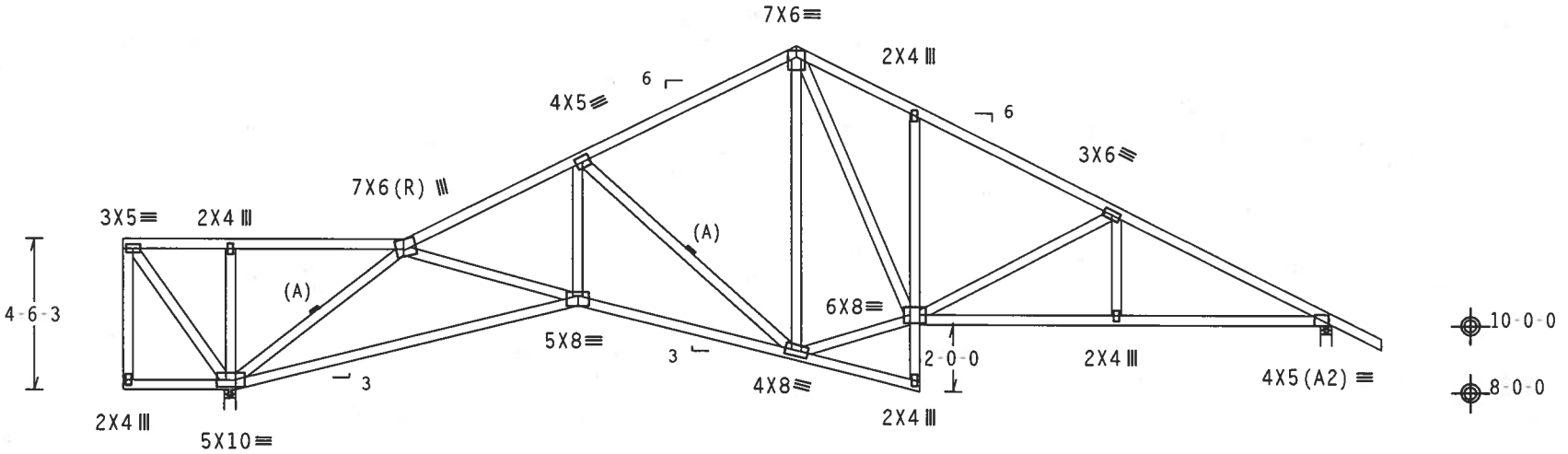
The overall height of this truss excluding overhang is 10-4-3.

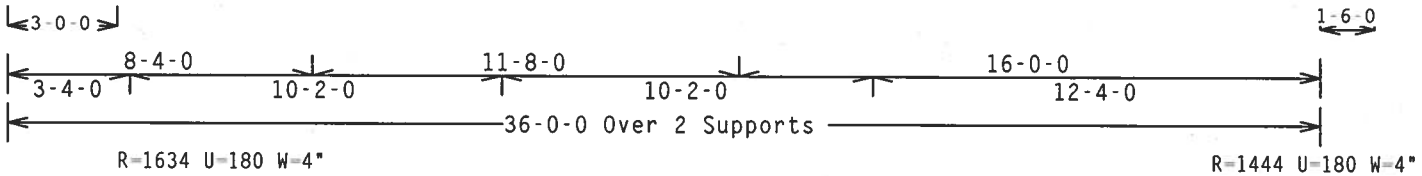
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.17 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

JAMES F. COLLINS JR. LICENSE No. 52217 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18, 06

TC LL	20.0 PSF	REF	R215-- 14329
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138079
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	121297
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

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

(A) Continuous lateral bracing equally spaced on member.

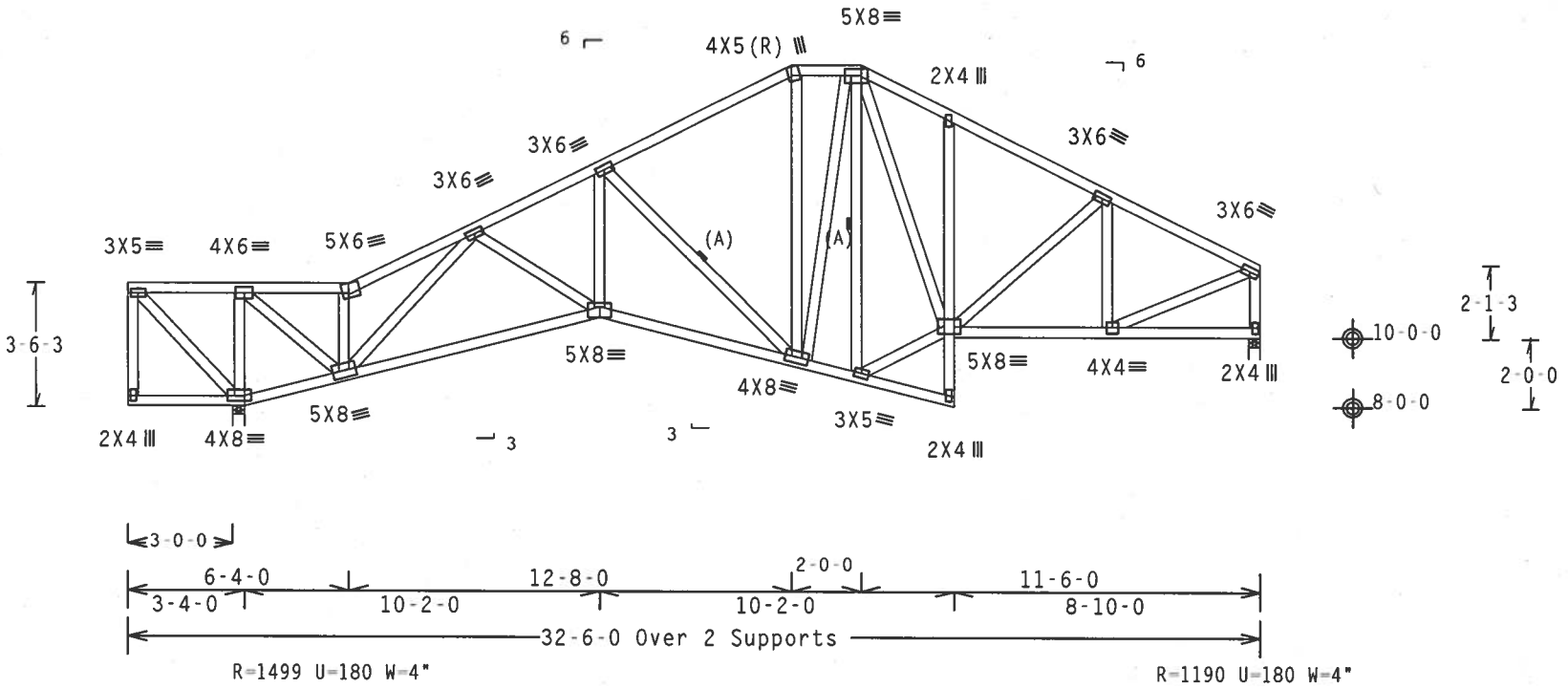
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 9-10-3.

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.

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

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 1

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

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

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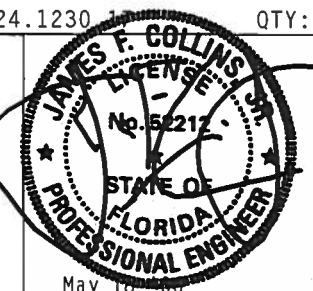


May 18 06

TC LL	20.0 PSF	REF R215-- 14330
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138080
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 121323
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

(A) Continuous lateral bracing equally spaced on member.

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

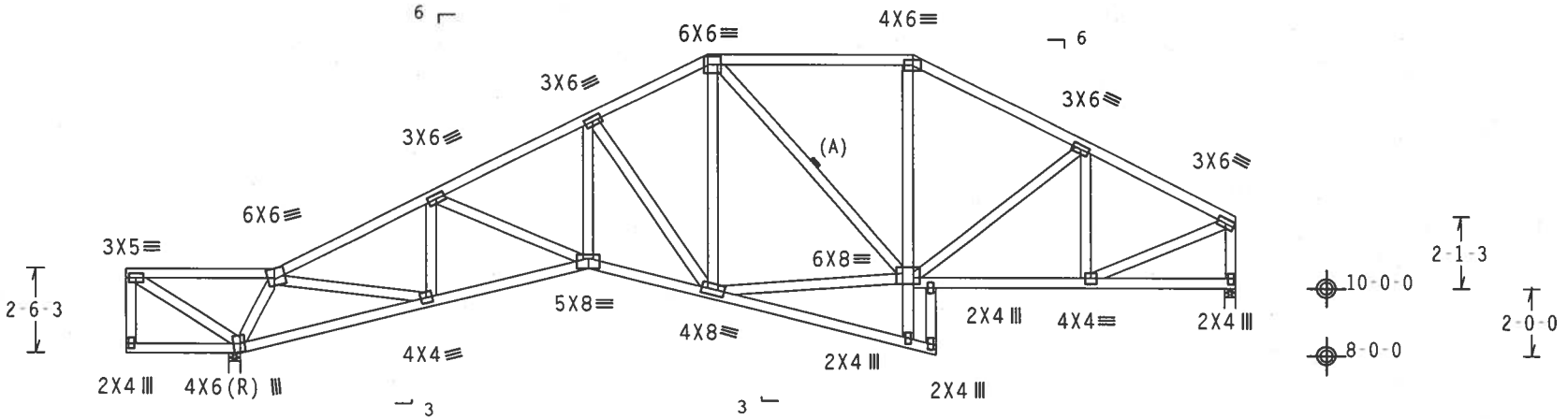
The overall height of this truss excluding overhang is 8-10-3.

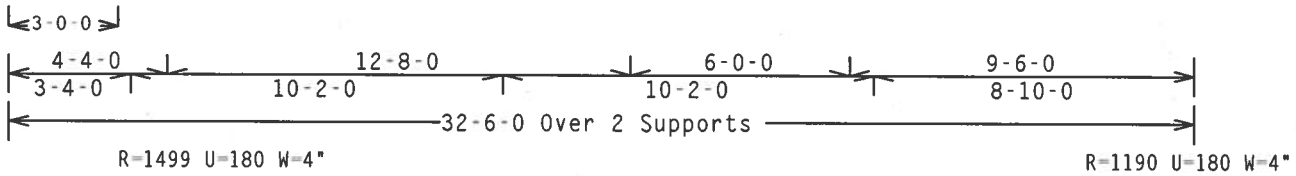
SEE DWGS BCFILLER1103 FOR FILLER DETAILS.
LATERALY BRACE BOTTOM CHORD ABOVE FILLER @24"OC.
INCLUDING A LATERAL BRACE AT CHORD ENDS.

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 use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 17

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

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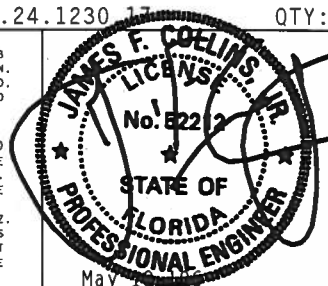


May

TC LL	20.0 PSF	REF R215-- 14331
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138081
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 121320
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

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

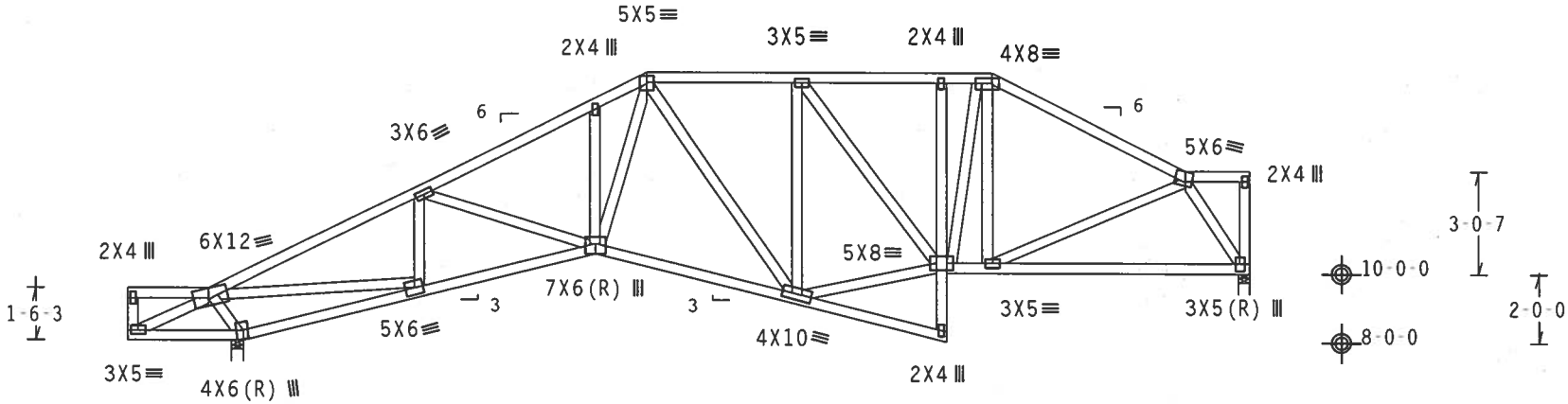
Plates sized for a minimum of 3.00 sq.in./piece.

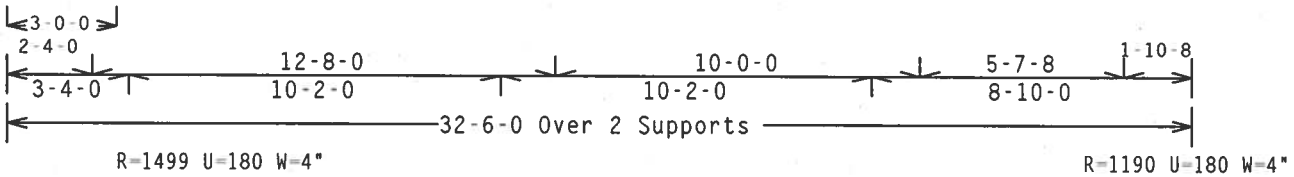
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 7-10-3.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.17

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

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FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May

TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	

REF	R215-- 14332
DATE	05/18/06
DRW	HCUSR215 06138082
	HC-ENG EC/WHK
SEQN-	119314
FROM	CDM
JREF-	1SXB215_Z03

(3508-/Hudgins Residence /Plumb Level Construction -- LAKE CITY, FL - B19)

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

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

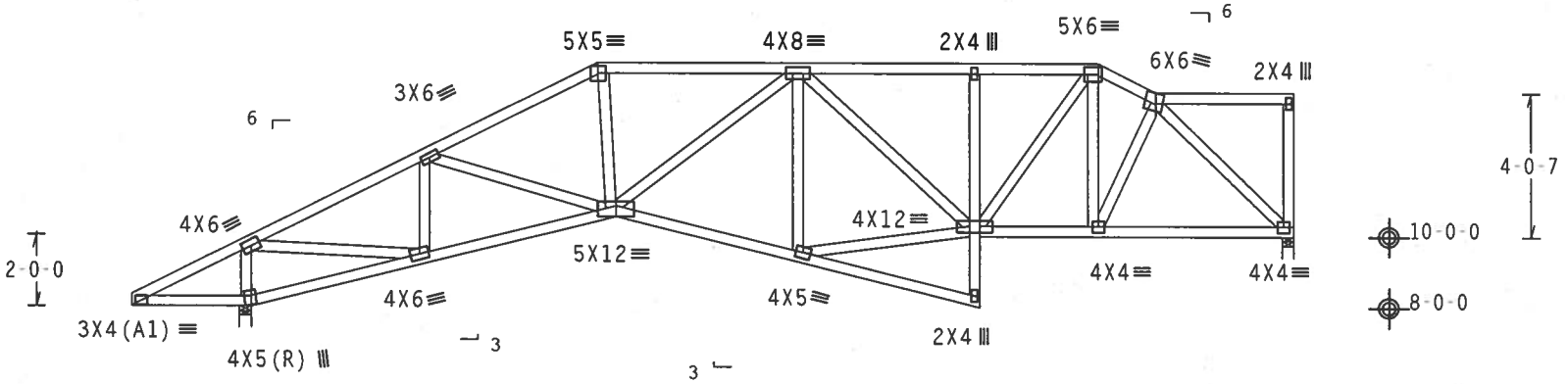
Plates sized for a minimum of 3.00 sq.in./piece.

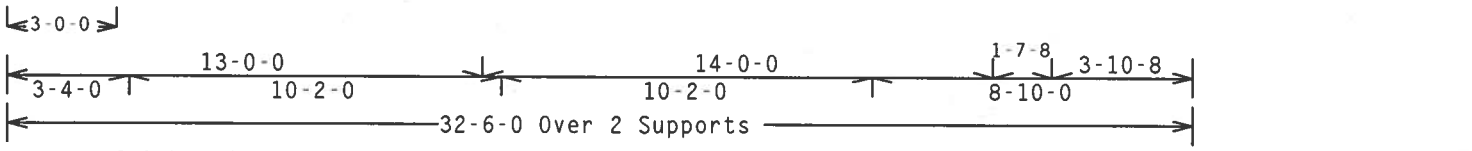
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 6-10-3.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 1[illegible] QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18 [illegible]

TC LL	20.0 PSF	REF	R215-- 14333
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138083
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119311
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

(3508 /Hudgins Residence /Plumb Level Construction -- LAKE CITY, FL - B20)

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

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

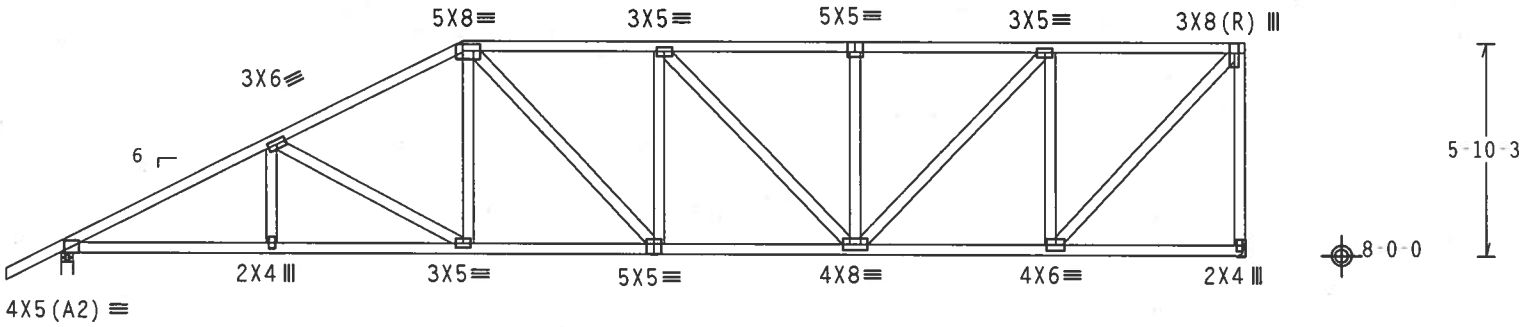
Plates sized for a minimum of 3.00 sq.in./piece.

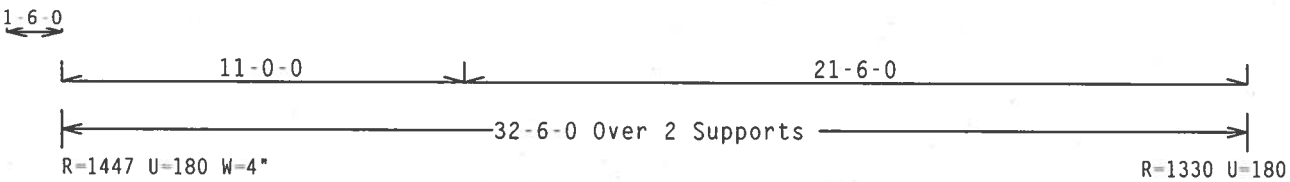
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 5-10-3.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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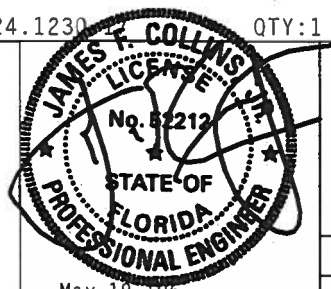


May 18 '06

TC LL	20.0 PSF	REF	R215-- 14334
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138084
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119338
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

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

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

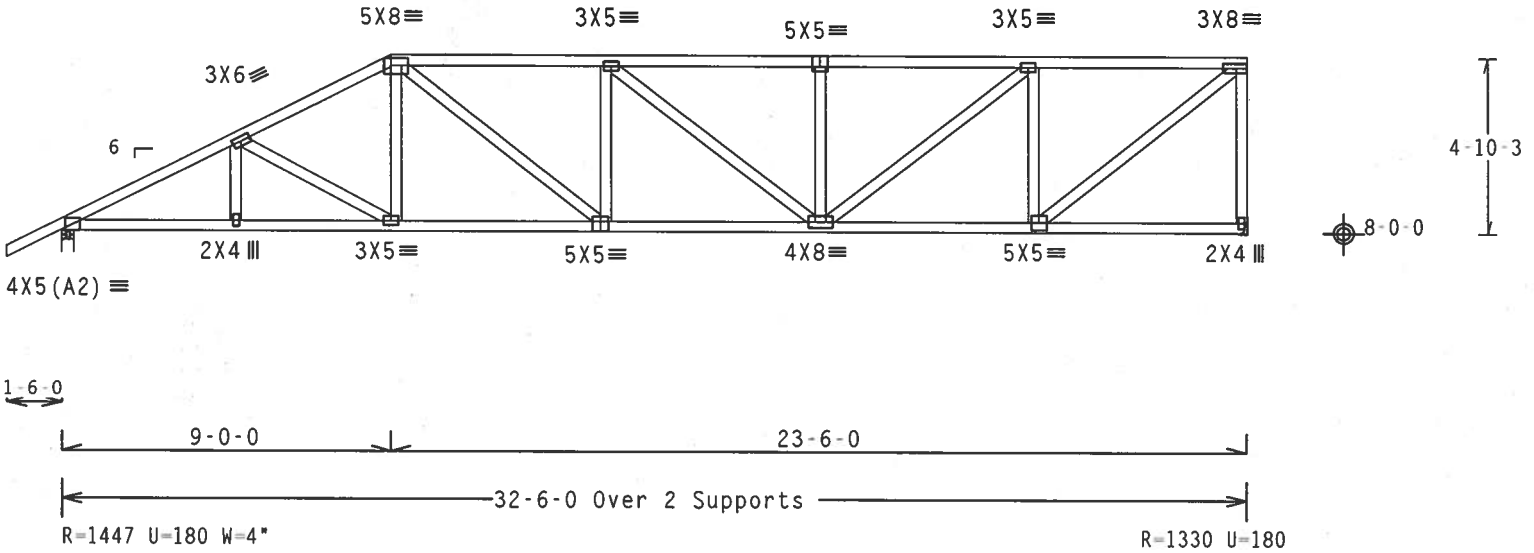
Plates sized for a minimum of 3.00 sq.in./piece.

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

Right end vertical not exposed to wind pressure.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.17

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

ALPINE

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

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JAMES F. COLVANS, JR. LICENSE No. 62212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18

TC LL	20.0 PSF	REF R215-- 14335
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138085
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 119342
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

Top chord 2x6 SP #2 N :T1 2x4 SP #2 N:
Bot chord 2x6 SP #2 N :B2 2x6 SP SS:
Webs 2x4 SP #2 N

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

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

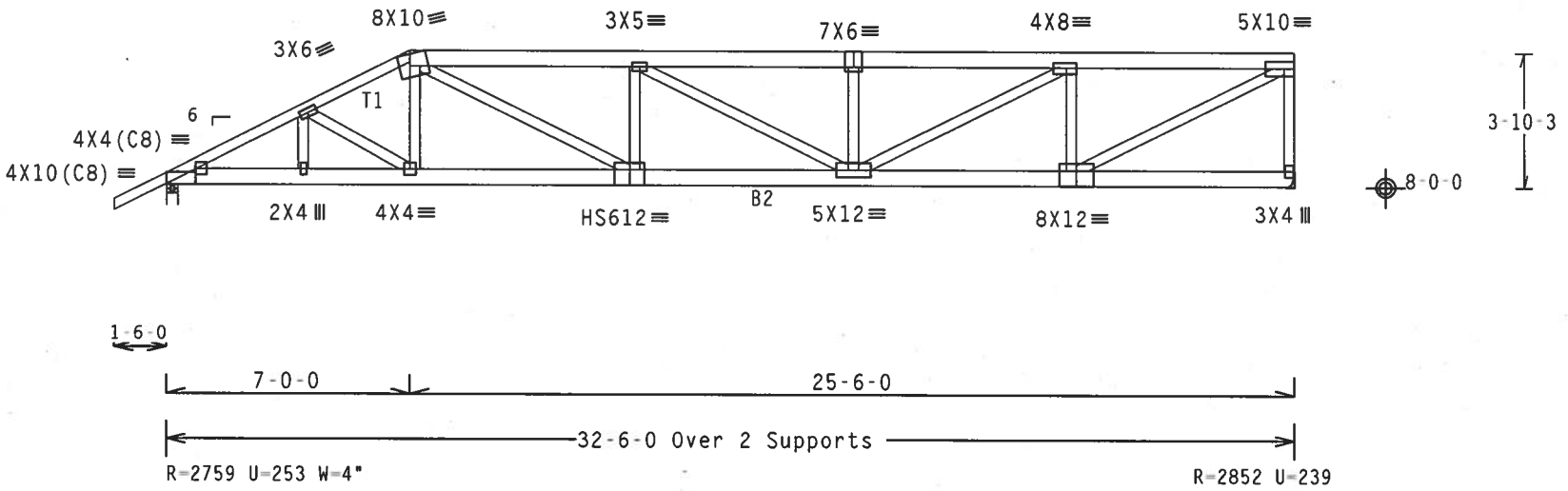
The overall height of this truss excluding overhang is 3-10-3.

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.

Right end vertical not exposed to wind pressure.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.17 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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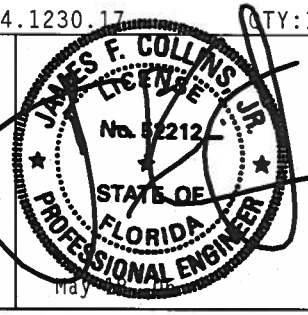


May

TC LL	20.0 PSF	REF	R215-- 14336
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138086
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119345
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

Top chord 2x4 SP #2 N :T2 2x6 SP #2 N:
Bot chord 2x6 SP SS
Webs 2x4 SP #2 N

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

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

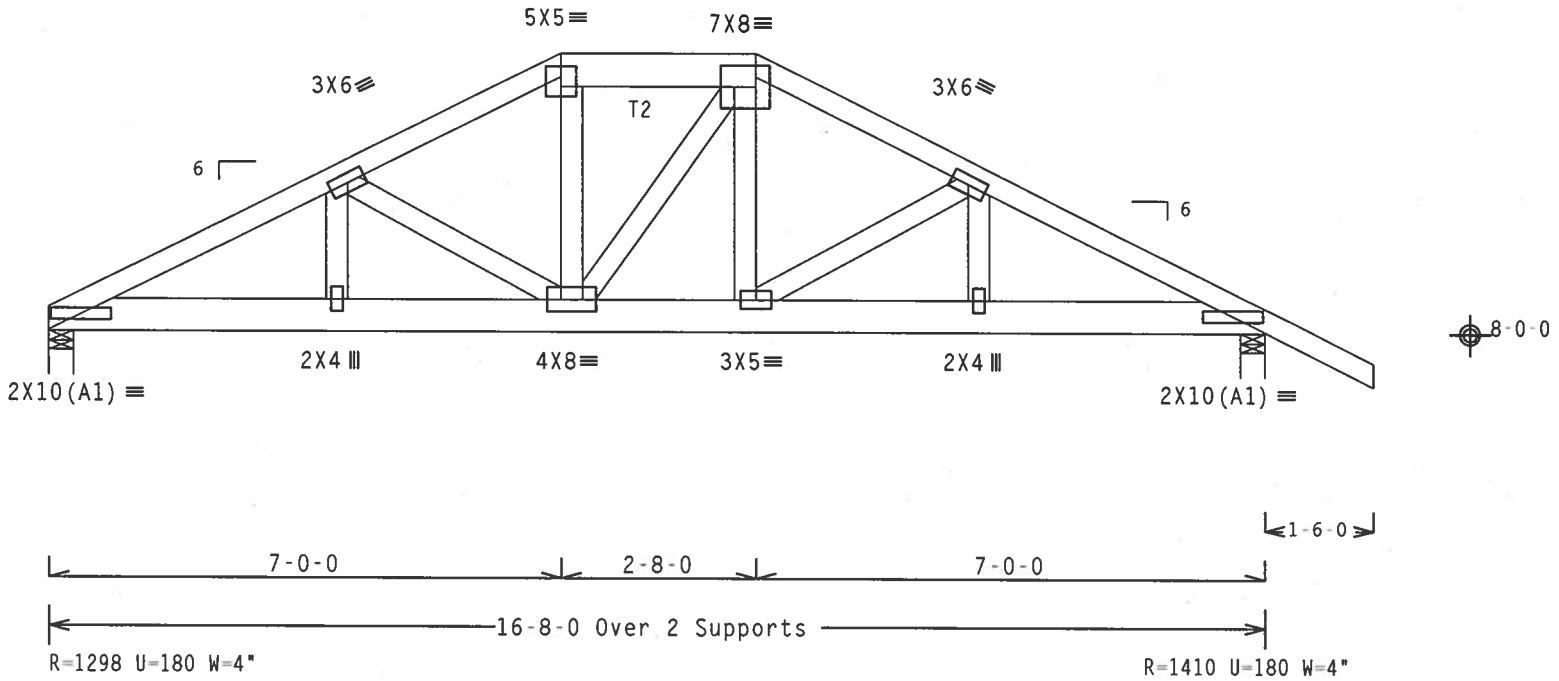
Plates sized for a minimum of 3.00 sq.in./piece.

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

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.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY.1

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

Scale =.375"/Ft.

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

JAMES T. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18 06

TC LL	20.0 PSF	REF R215-- 14337
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138087
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 121175
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

Top chord 2x4 SP #2 N :T2 2x6 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 28.00
BC - From 20 PLF at 0.00 to 20 PLF at 28.00
BC - 1488 LB Conc. Load at 0.73
BC - 1482 LB Conc. Load at 2.73, 4.73, 6.73
BC - 1474 LB Conc. Load at 8.73, 10.73

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

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

Plates sized for a minimum of 3.00 sq.in./piece.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @ 6.00" o.c.
Bot Chord: 1 Row @ 4.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

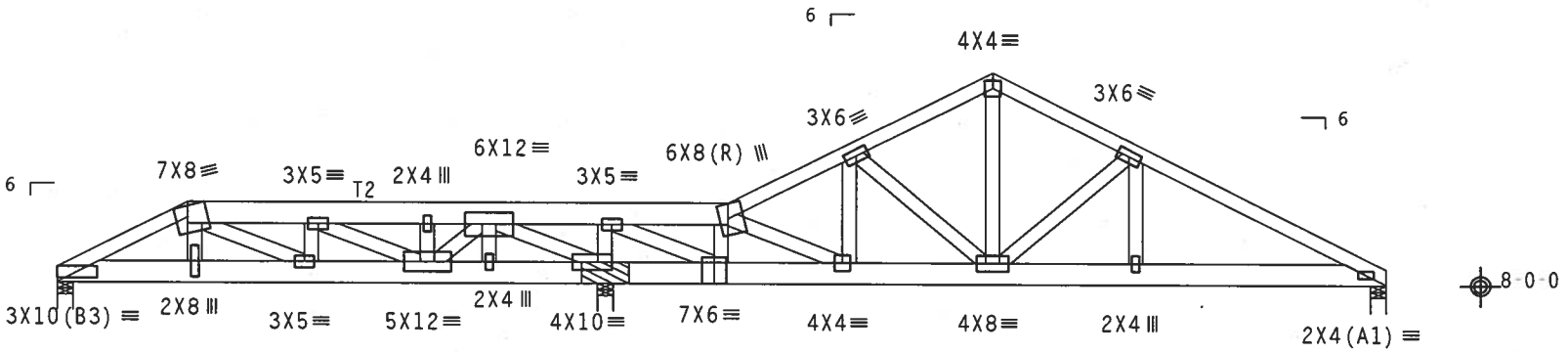
Bearing blocks: Nail type: 0.131"x3"_Gun_nails

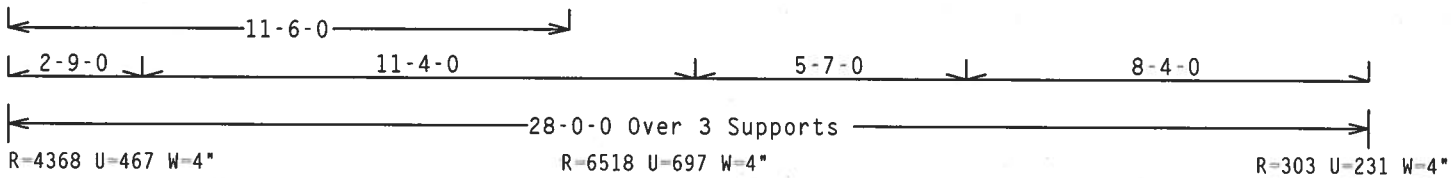
BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
2	11.333'	1	12"	4	Match Truss

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

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R
Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE
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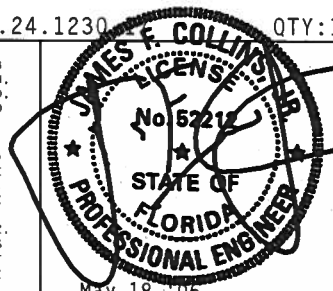


May 18 '06

TC LL	20.0 PSF	REF R215-- 14338
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138097
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 119335
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

Plates sized for a minimum of 3.00 sq.in./piece.

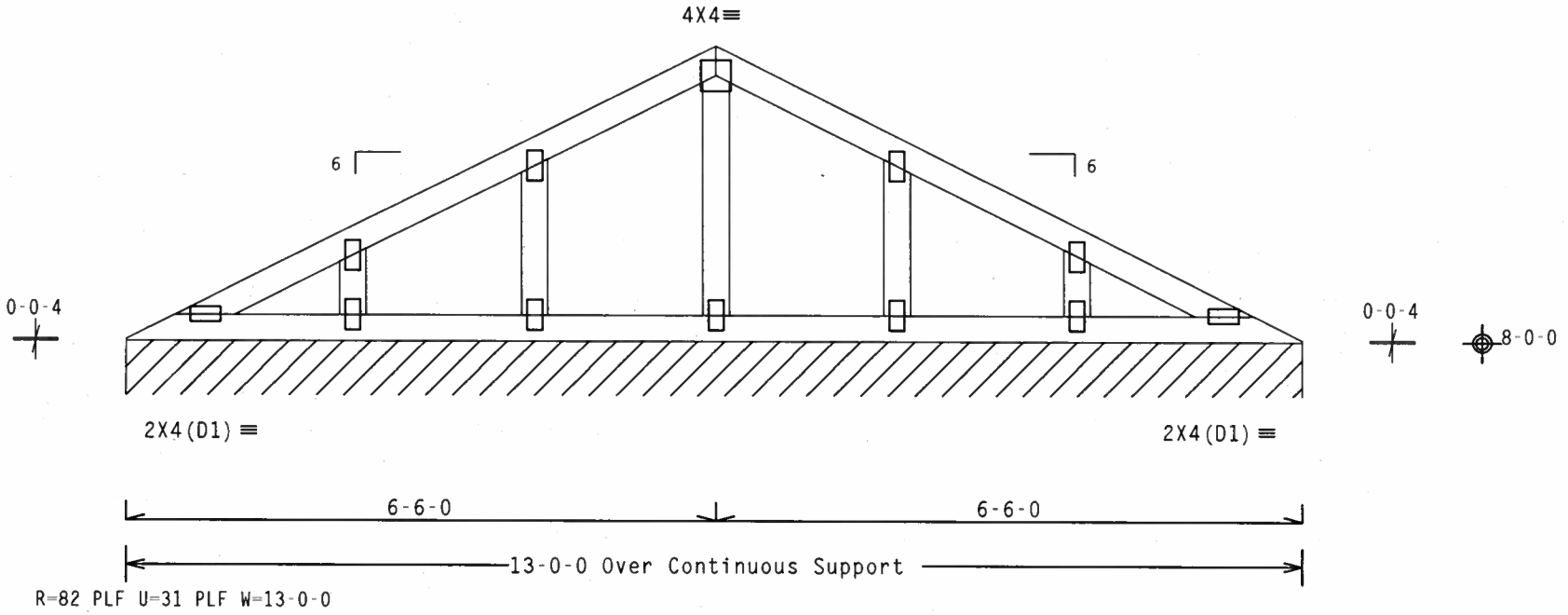
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

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



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

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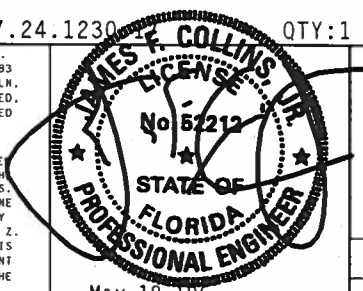

May 18 '06

TC LL	20.0 PSF	REF R215-- 14339
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138088
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 121159
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

Gable end supports 8" max rake overhang.

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

The overall height of this truss excluding overhang is 4-1-12.

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

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

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

Plates sized for a minimum of 3.00 sq.in./piece.

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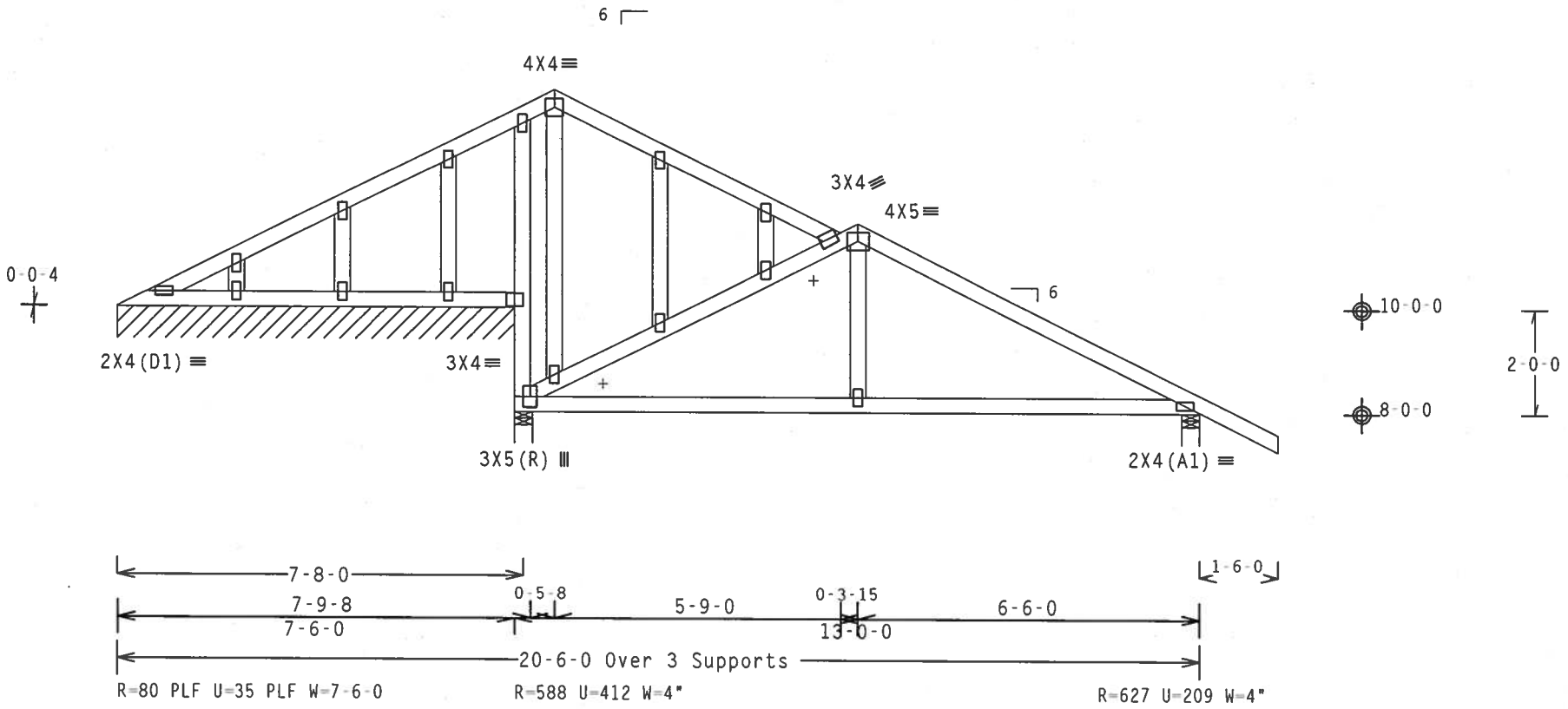

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.17

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

Scale =.3125"/Ft.

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JAMES F. COLLINS, JR. LICENSE No. 52712 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18,2006

TC LL	20.0 PSF	REF R215-- 14340
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138089
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 119353
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

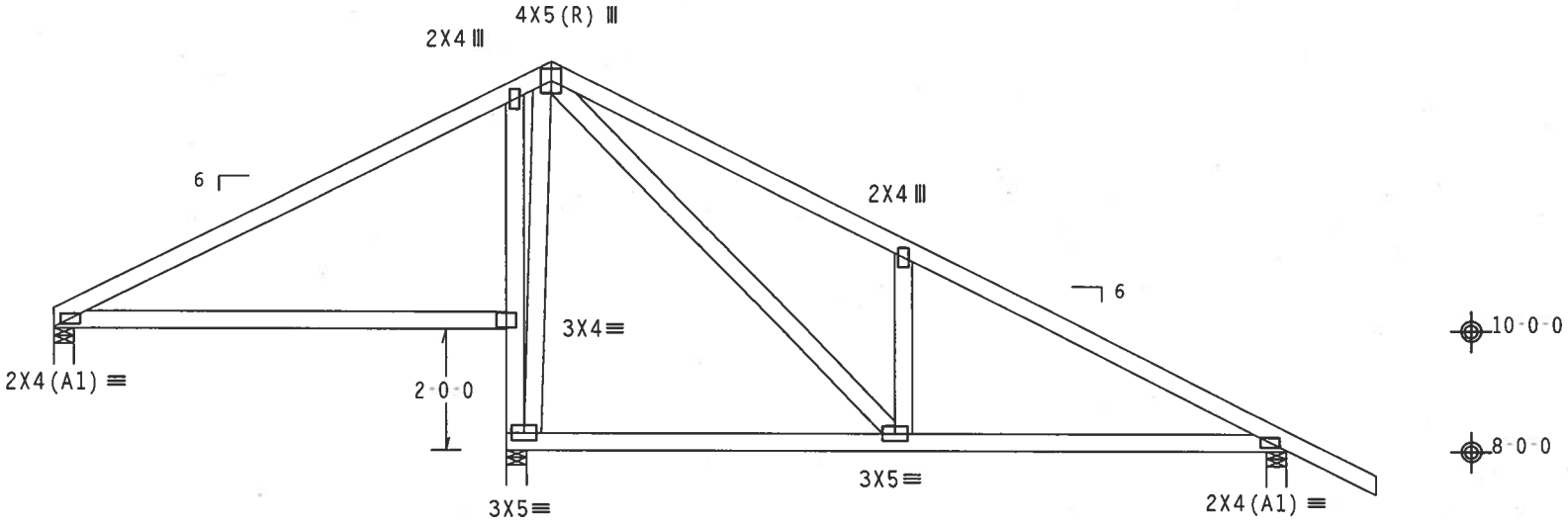
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

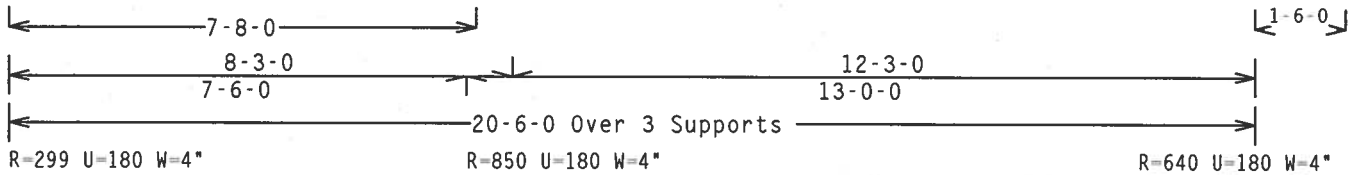
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 4-5-11.

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.

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18 '06

TC LL	20.0 PSF	REF R215-- 14341
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138090
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 119305
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

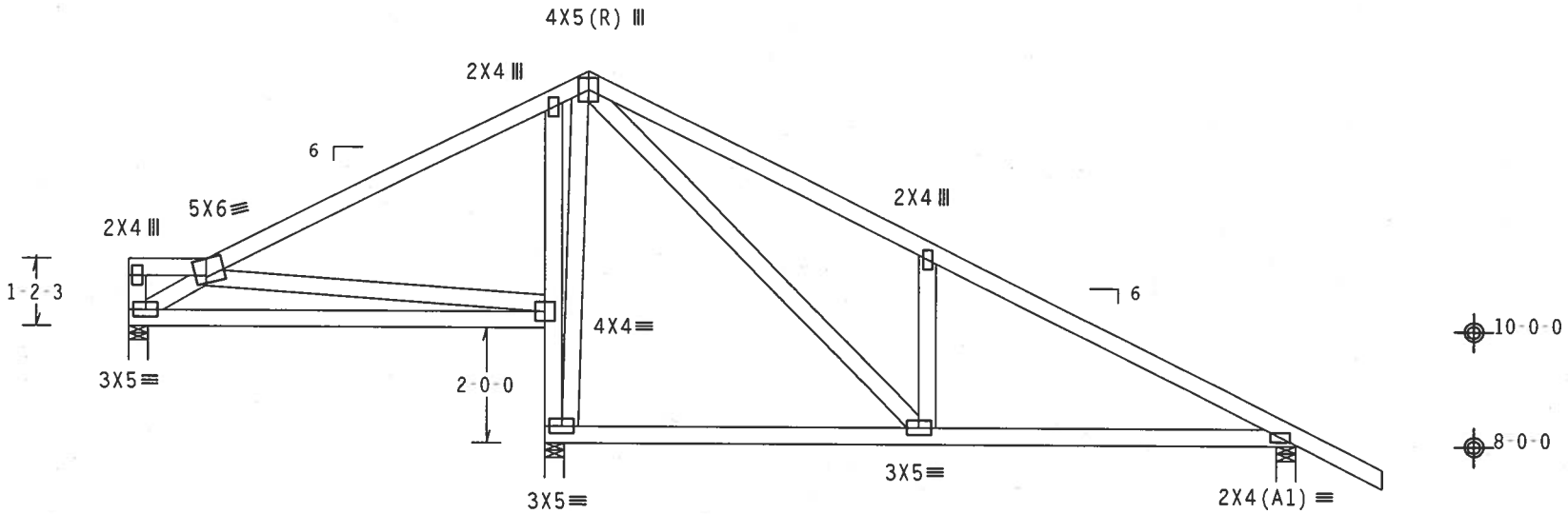
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

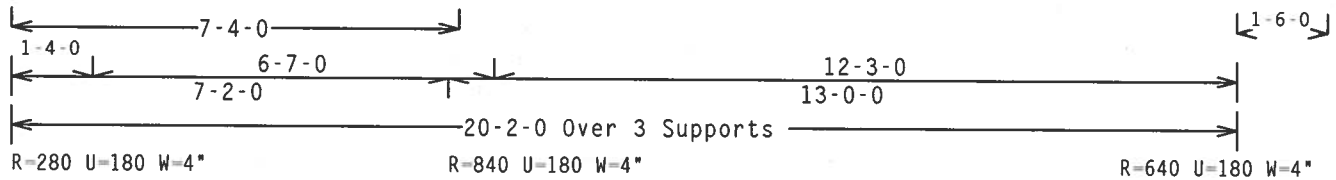
The overall height of this truss excluding overhang is 4-5-11.

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

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

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R
Cq/RT=1.00(1.25)/10(0) 7.24.1230 TY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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Haines City, FL 33844
FL Certificate of Authorization # 567

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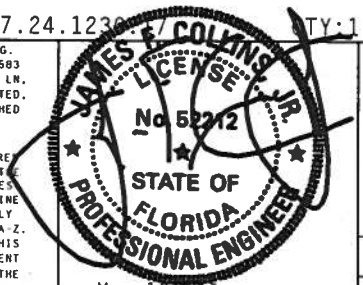


May 18 '06

TC LL	20.0 PSF	REF R215-- 14342
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138091
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 119308
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

SPECIAL LOADS
-------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 21.67
BC - From 20 PLF at 0.00 to 20 PLF at 20.17
BC - From 4 PLF at 20.17 to 4 PLF at 21.67
PLB- 1330 LB Conc. Load at (9.10,8.04), (11.10,8.04)
PLB- 2852 LB Conc. Load at (13.10,8.04)

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

Plates sized for a minimum of 3.00 sq.in./piece.

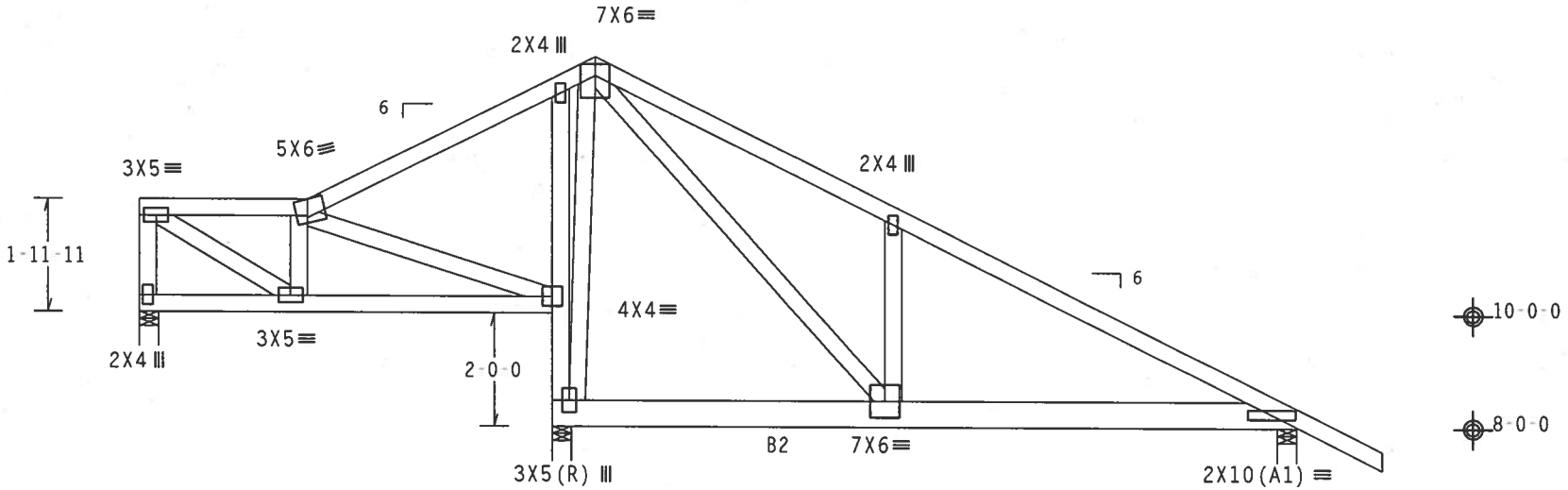
2 COMPLETE TRUSSES REQUIRED

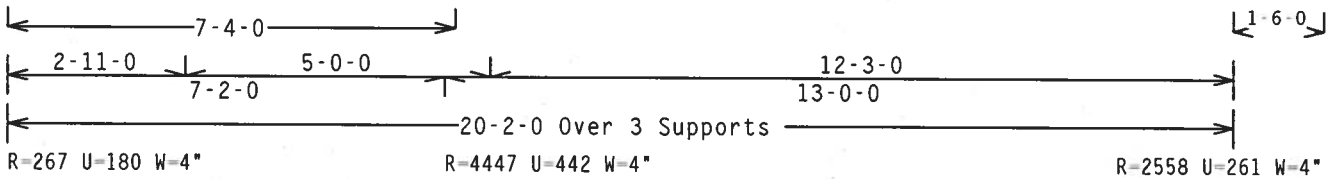
Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @ 6.00" o.c.
Bot Chord: 1 Row @ 5.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

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

The overall height of this truss excluding overhang is 4-5-11.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cg/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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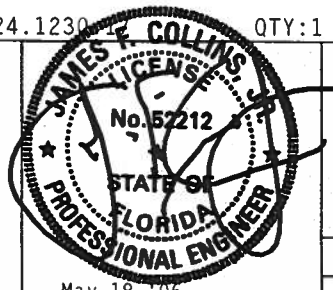


May 18 '06

TC LL	20.0 PSF	REF	R215-- 14343
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138096
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	119348
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

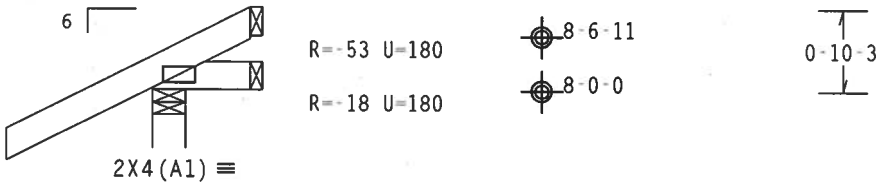
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

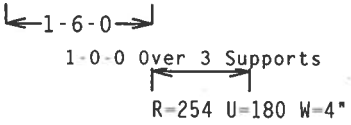
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 0-10-3.

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.

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

PLT TYP. Wave\R

QTY:10 FL/-/5/-/-/R/- Scale =.5"/Ft.

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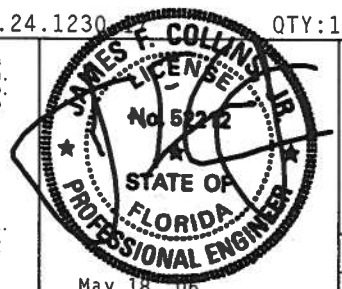


May 18 06

TC LL	20.0 PSF	REF	R215-- 14344
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138092
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	121199
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

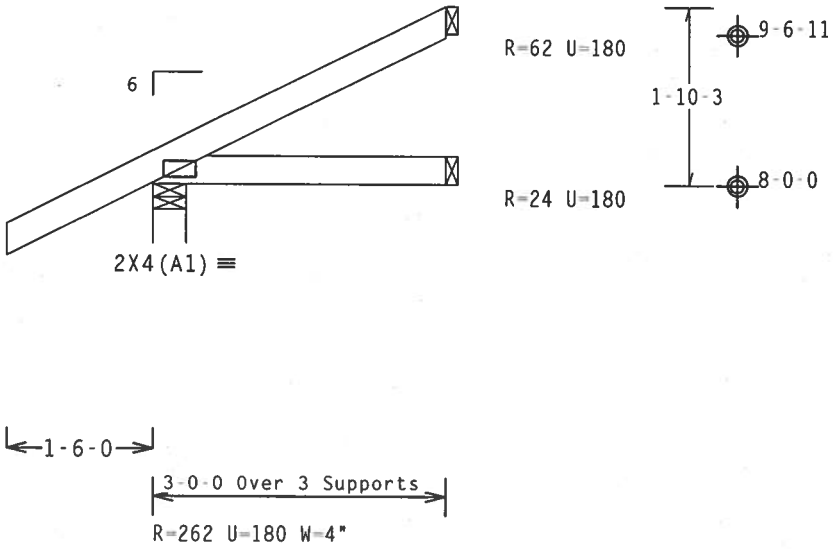
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 1-10-3.

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.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 1 QTY:8 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

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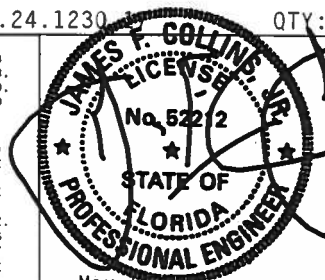


May 18 06

TC LL	20.0 PSF	REF	R215-- 14345
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138056
BC LL	0.0 PSF	HC-ENG	EC/WHK *
TOT.LD.	40.0 PSF	SEQN-	121201
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

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

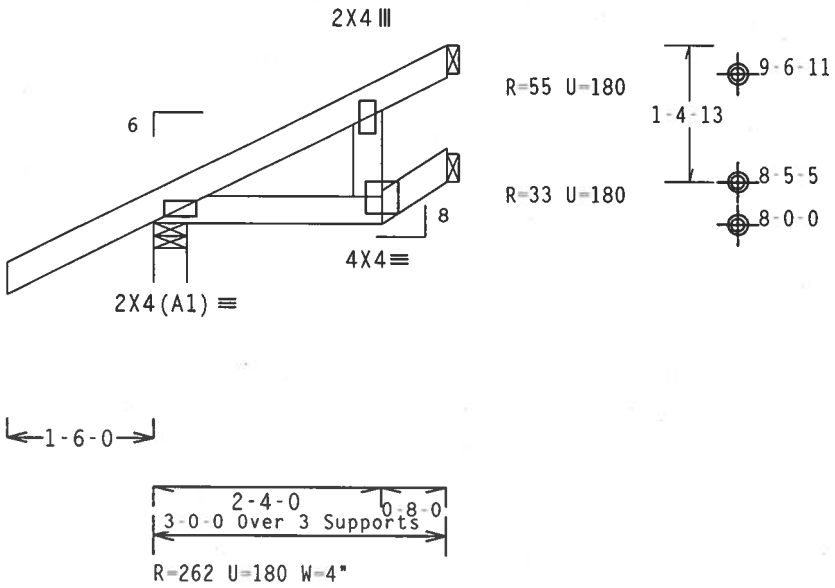
Deflection meets L/360 live and L/240 total load.

Shim all supports to solid bearing.

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.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 1-10-3.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.17

PLT TYP. Wave\R

QTY:2 FL/-/5/-/-/R/-

Scale =.5"/Ft.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18 06

TC LL	20.0 PSF	REF R215-- 14346
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138057
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 119411
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

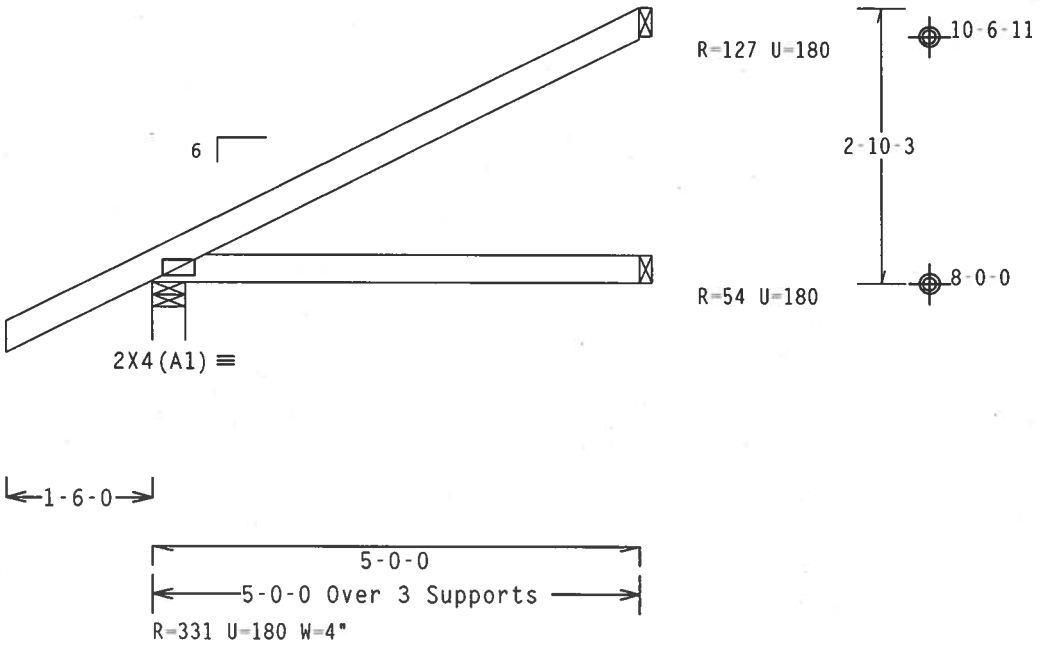
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 2-10-3.

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.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 1

PLT TYP. Wave\R QTY:8 FL/-/5/-/-/R/- Scale =.5"/Ft.

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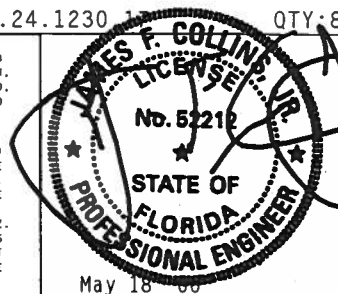


May 18 06

TC LL	20.0 PSF	REF R215-- 14347
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138058
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 121203
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

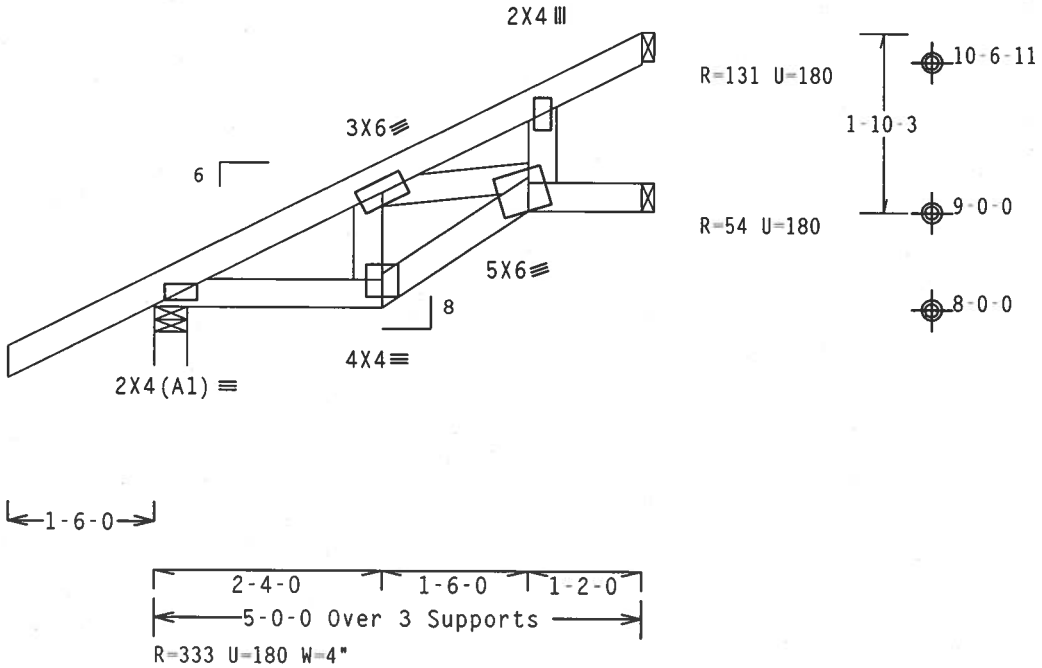
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 2-10-3.

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.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

PLT TYP. Wave\R

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

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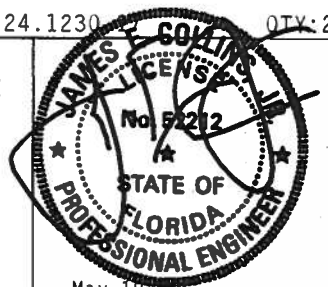


May 18 06

TC LL	20.0 PSF	REF	R215-- 14348
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138059
BC LL	0.0 PSF	HC-ENG	EC/WHK *
TOT.LD.	40.0 PSF	SEQN-	119407
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

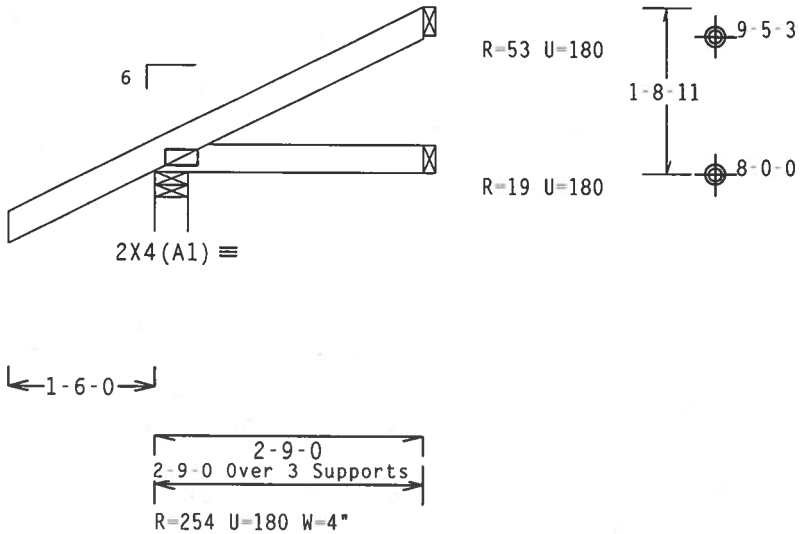
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 1-8-11.

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.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cg/RT=1.00(1.25)/10(0) 7.24.1230

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

Scale =.5"/Ft.

ALPINE

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 18 '06

TC LL	20.0 PSF	REF R215-- 14349
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138060
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 121272
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

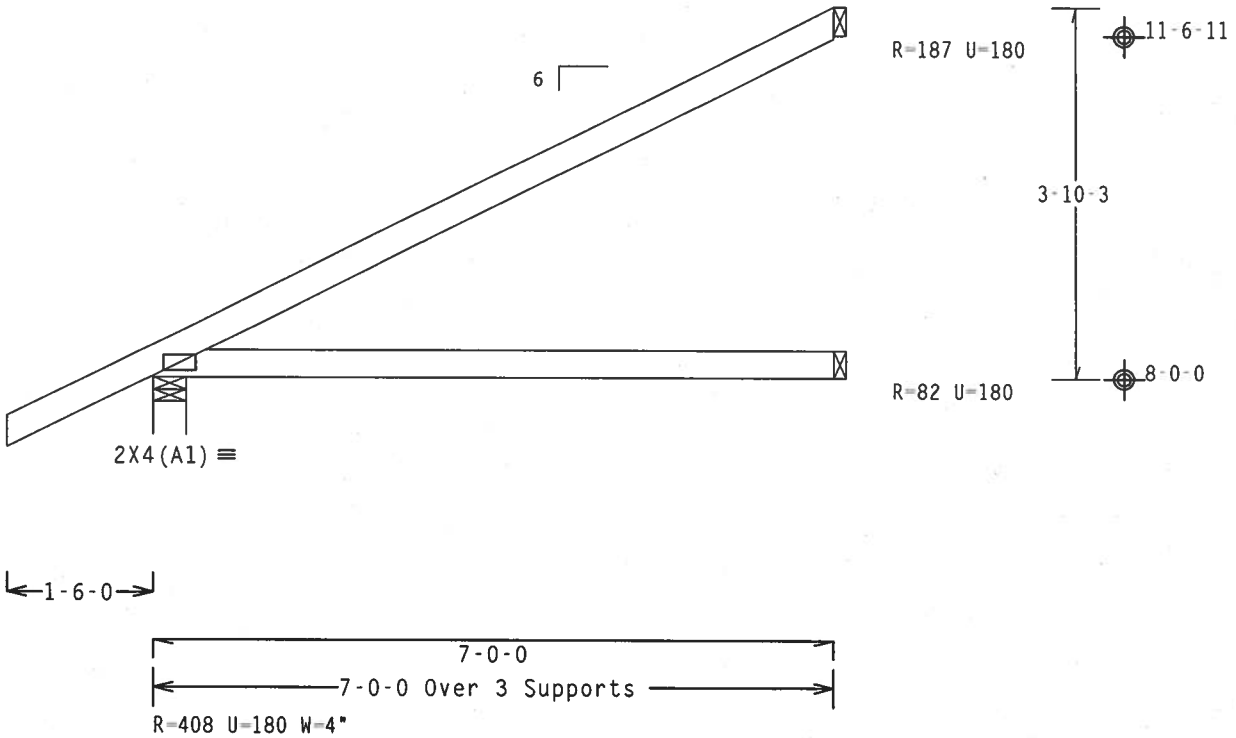
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

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

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.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

PLT TYP. Wave\R

QTY:31 FL/-/5/-/-/R/-

Scale =.5"/Ft.

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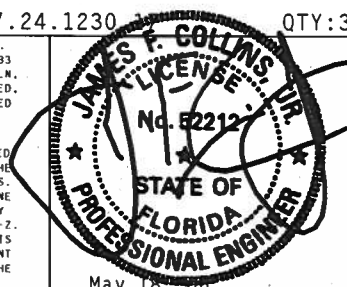


May 18 06

TC LL	20.0 PSF	REF	R215-- 14350
TC DL	10.0 PSF	DATE	05/18/06
BC DL	10.0 PSF	DRW	HCUSR215 06138061
BC LL	0.0 PSF	HC-ENG	EC/WHK *
TOT.LD.	40.0 PSF	SEQN-	121205
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXB215_Z03

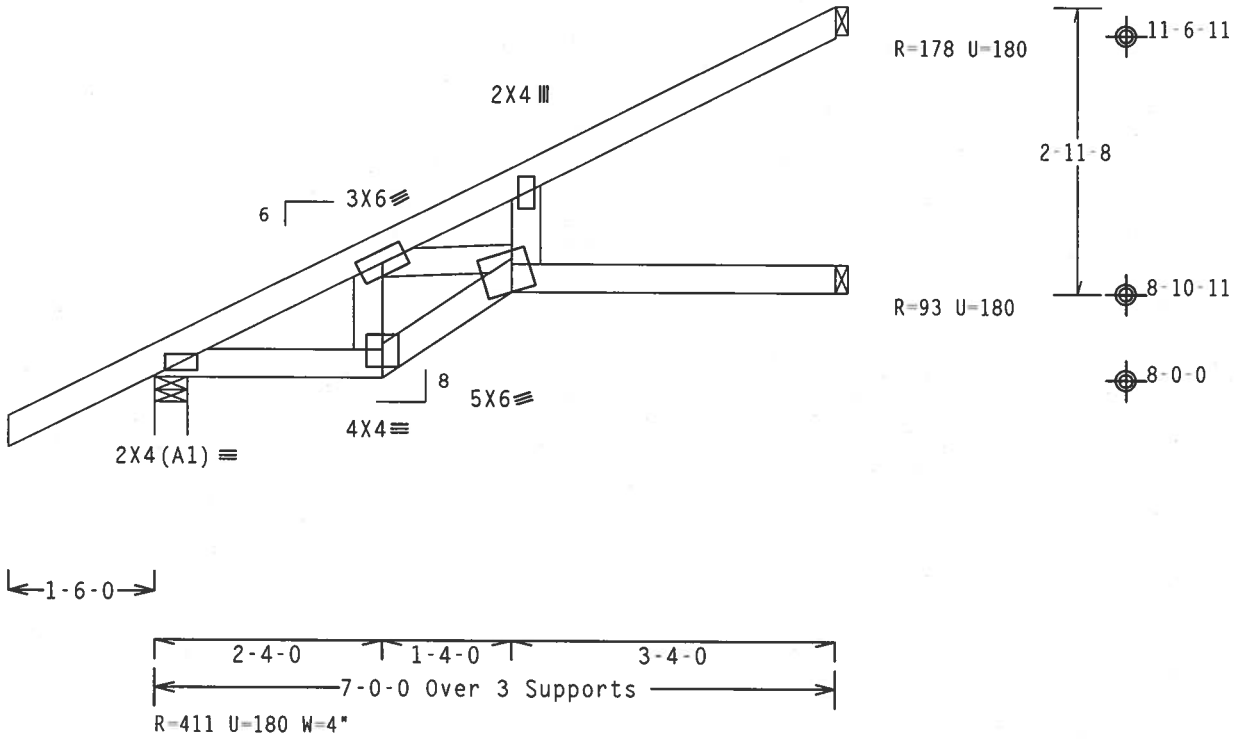
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

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

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.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.17

PLT TYP. Wave\R

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

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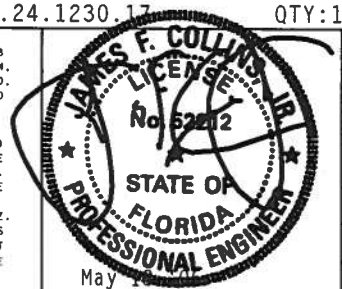


May

TC LL	20.0 PSF	REF R215-- 14351
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138062
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 119401
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

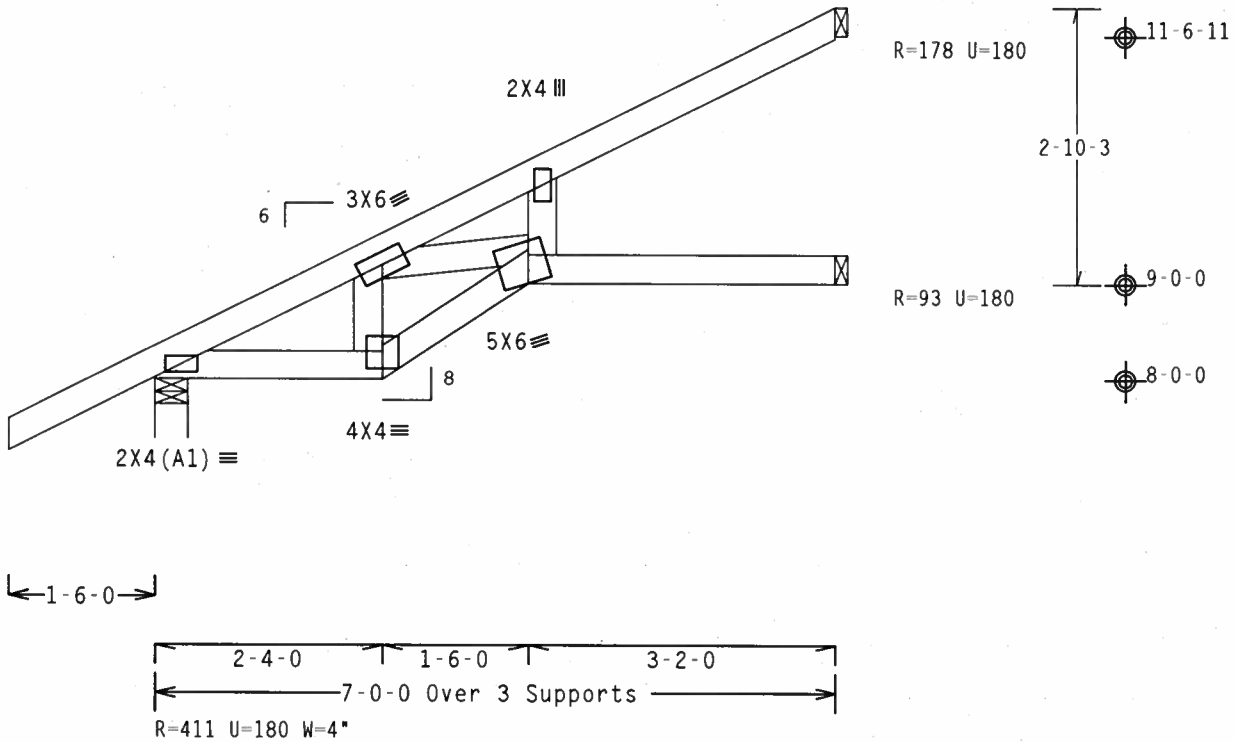
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

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

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.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.1

PLT TYP. Wave\R

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

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

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

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JAMES F. COLLINS, JR. LICENSE No. 52211 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 18 '06

TC LL	20.0 PSF	REF R215-- 14352
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138063
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 119404
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

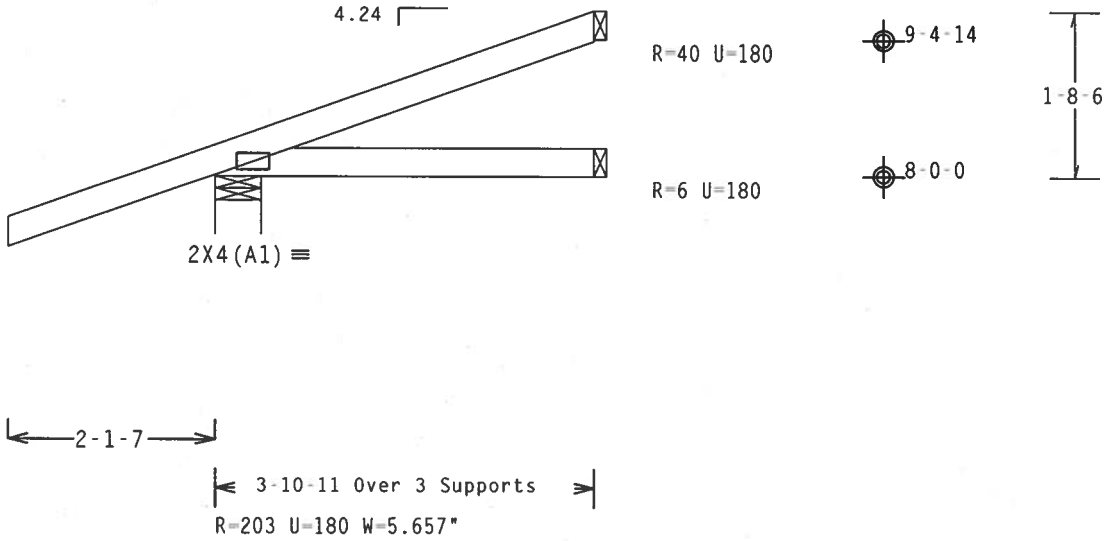
Hipjack supports 2-9-0 setback jacks with no webs.

Plates sized for a minimum of 3.00 sq.in./piece.

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

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

The overall height of this truss excluding overhang is 1-8-6.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 [illegible] QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS JR. LICENSE No. 52211 STATE OF FLORIDA PROFESSIONAL ENGINEER

May [illegible]

TC LL	20.0 PSF	REF R215-- 14353
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138093
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 121171
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

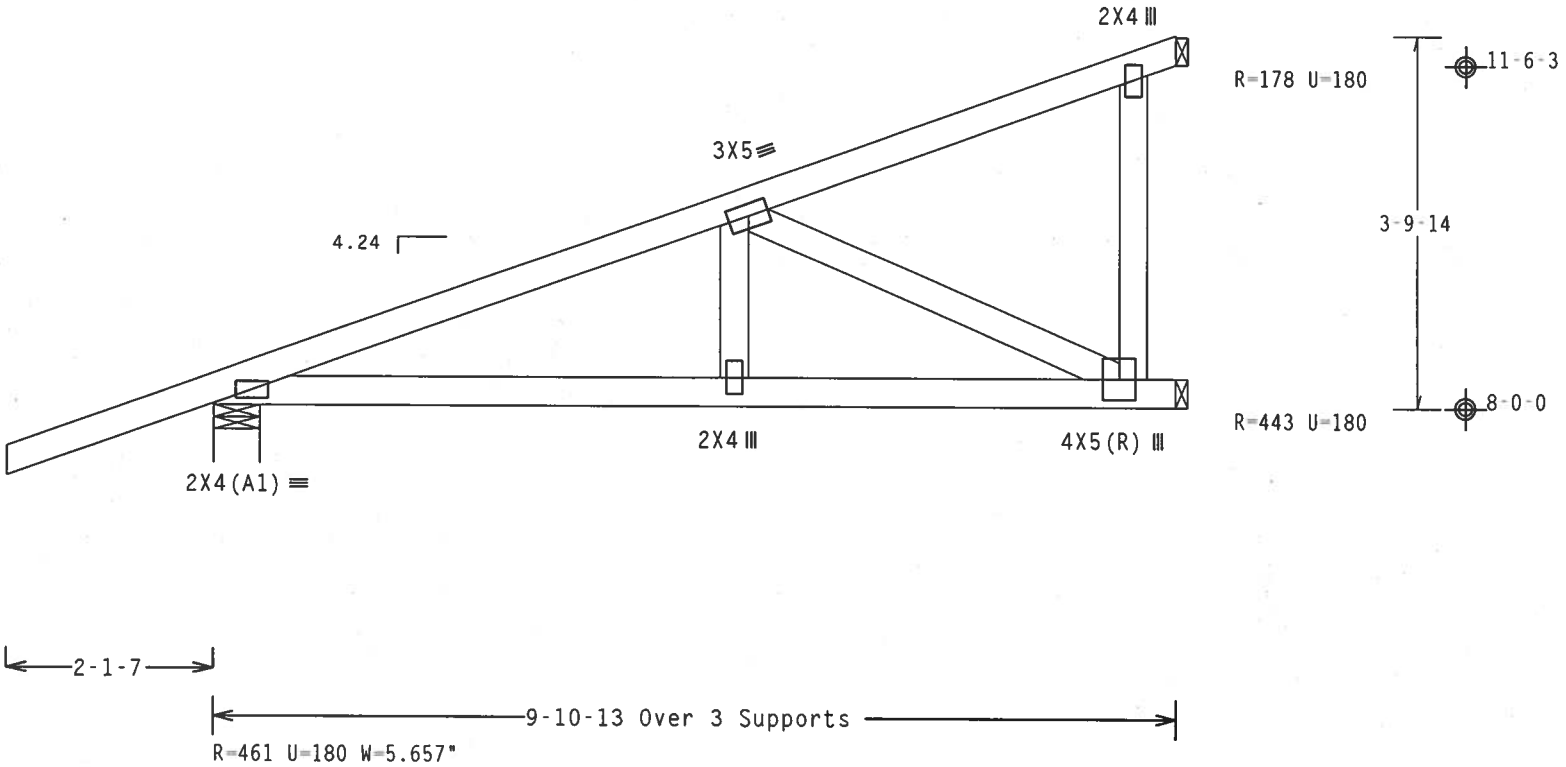
Hipjack supports 7-0-0 setback jacks with no webs.

Plates sized for a minimum of 3.00 sq.in./piece.

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

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

The overall height of this truss excluding overhang is 3-9-14.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

PLT TYP. Wave\R

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

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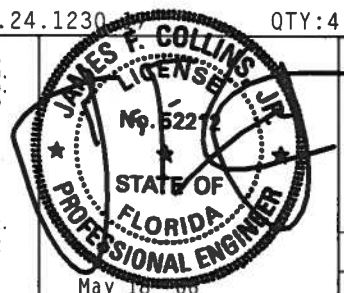


May 18 06

TC LL	20.0 PSF	REF R215-- 14354
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138094
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 121165
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

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

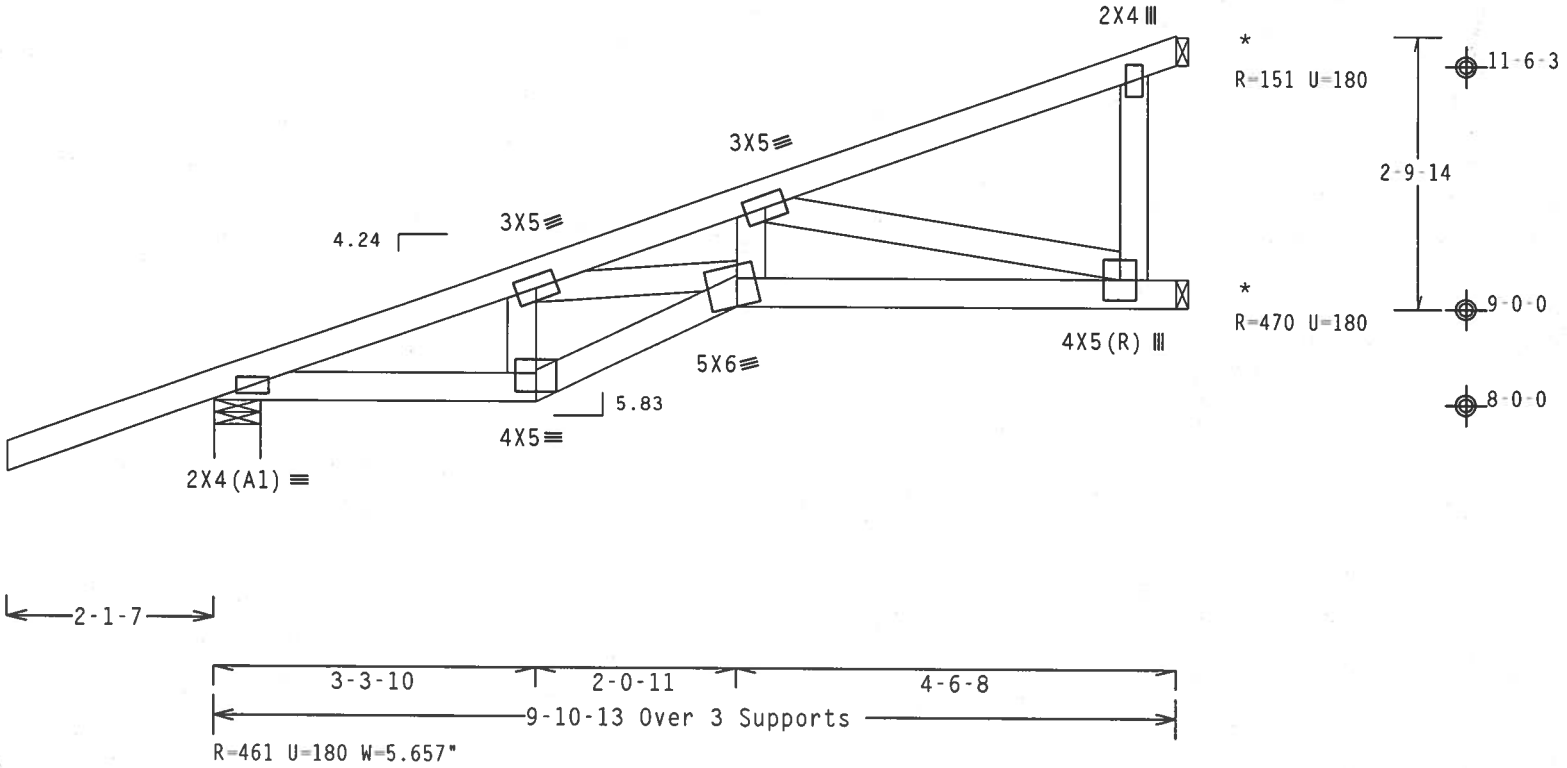
Plates sized for a minimum of 3.00 sq.in./piece.

* Toenail allowed based on average reaction.

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

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

The overall height of this truss excluding overhang is 3-9-14.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.17

PLT TYP. Wave\R

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

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JAMES F. COLIANS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May

TC LL	20.0 PSF	REF R215-- 14355
TC DL	10.0 PSF	DATE 05/18/06
BC DL	10.0 PSF	DRW HCUSR215 06138095
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 119416
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXB215_Z03

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

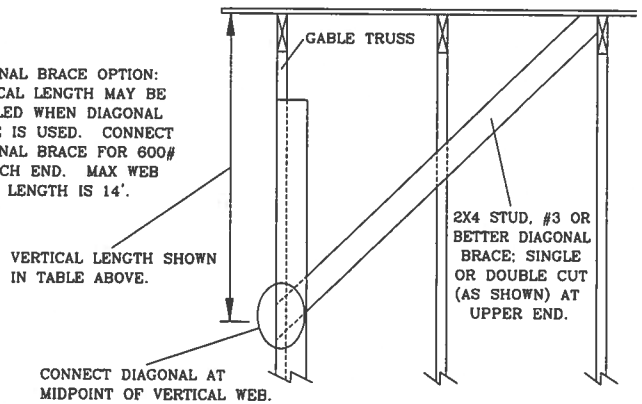
PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

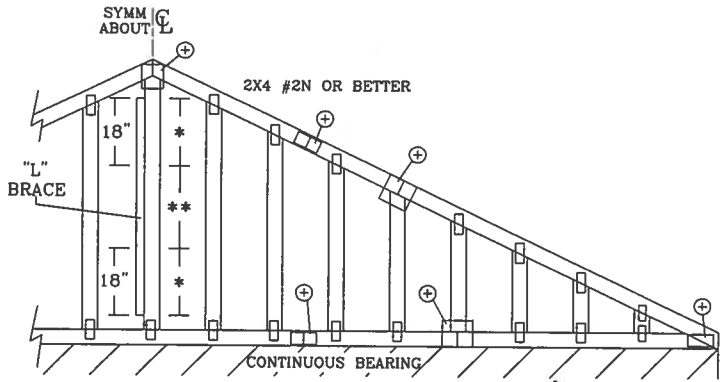
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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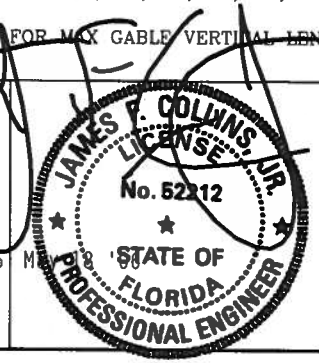
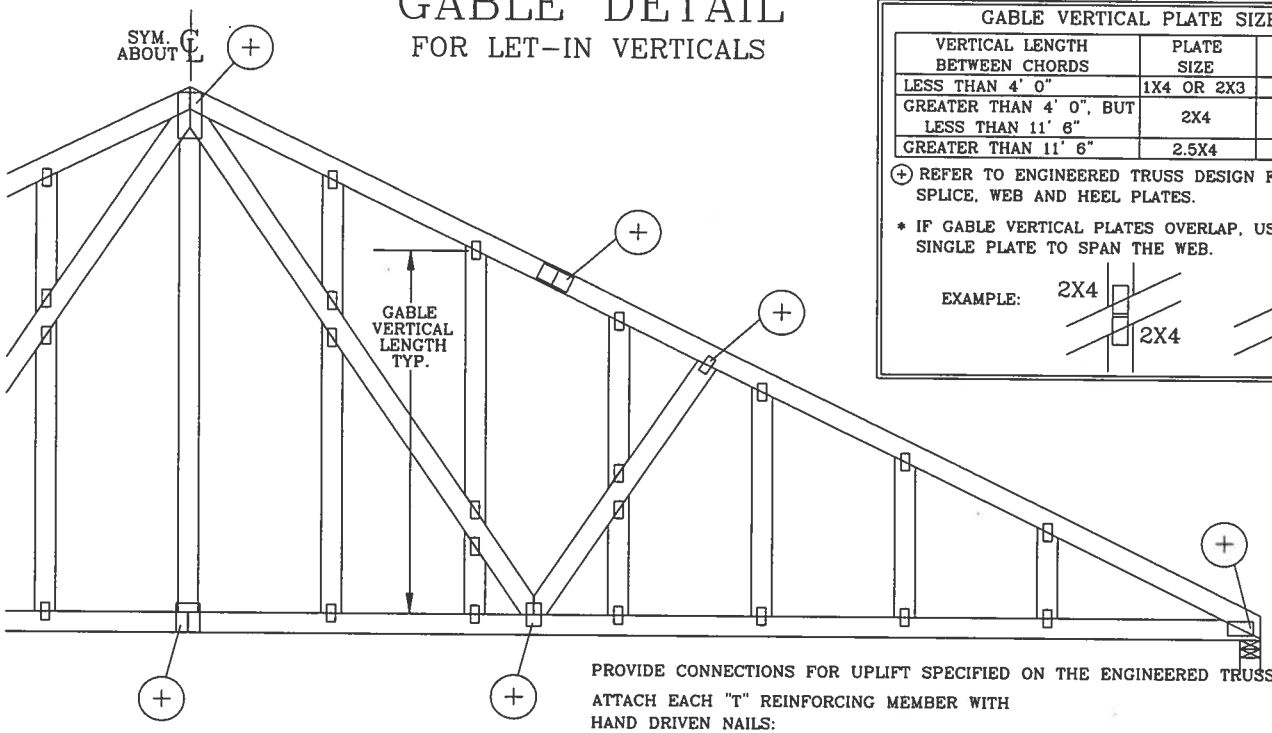


MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	04/15/05
DRWG	A11015EE0405
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

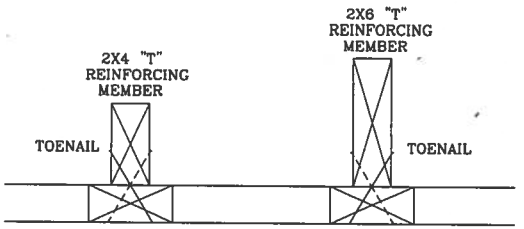


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

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

EXAMPLE:



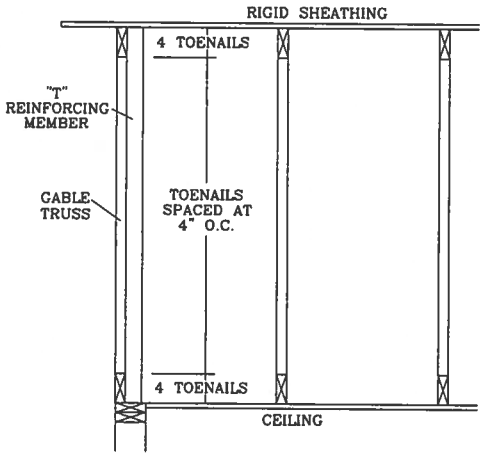
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

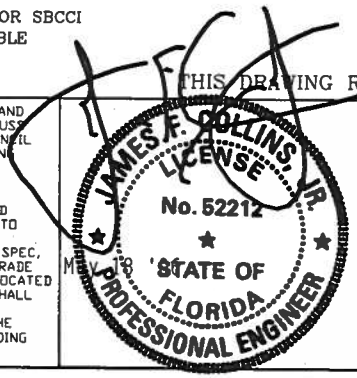
SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

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



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

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLLETIN0405
-ENG	DLJ/KAR

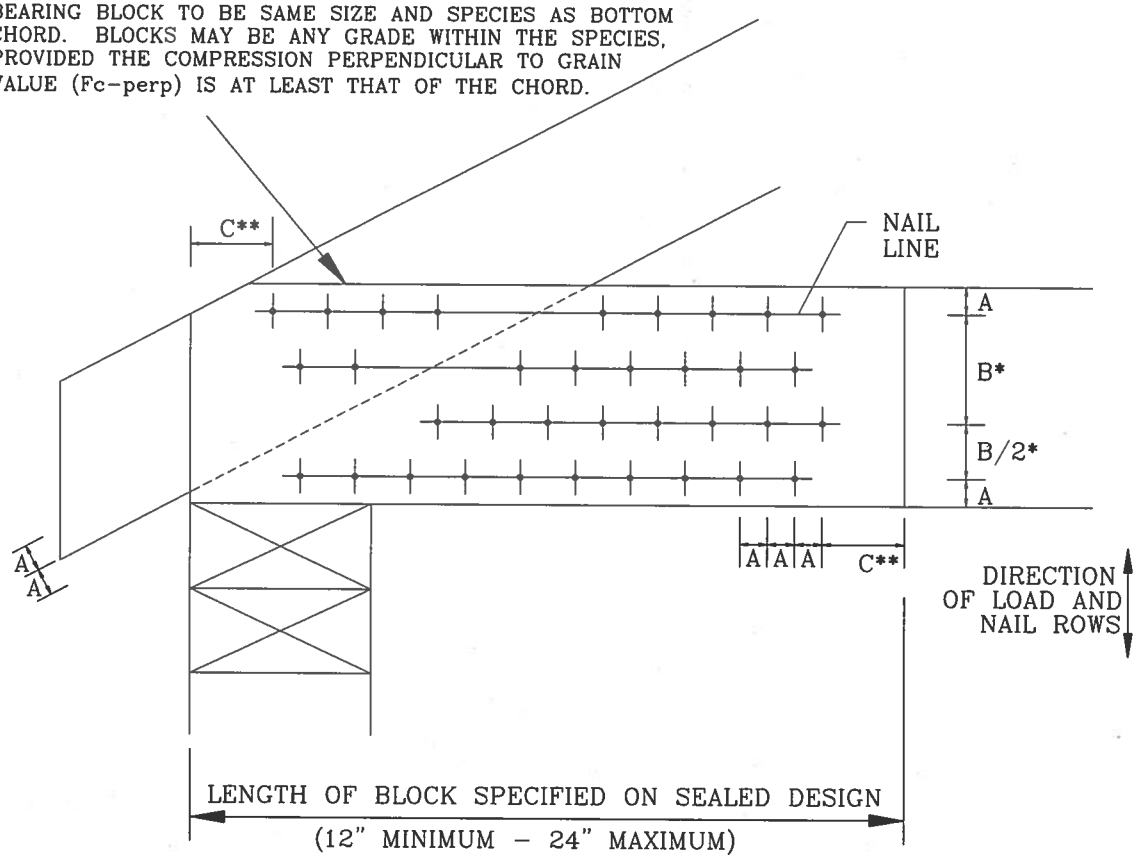
BEARING BLOCK NAIL SPACING DETAIL

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"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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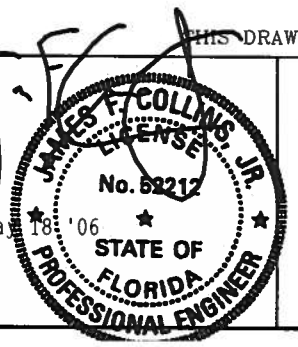


REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGBLK1103
-ENG	SJP/KAR

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

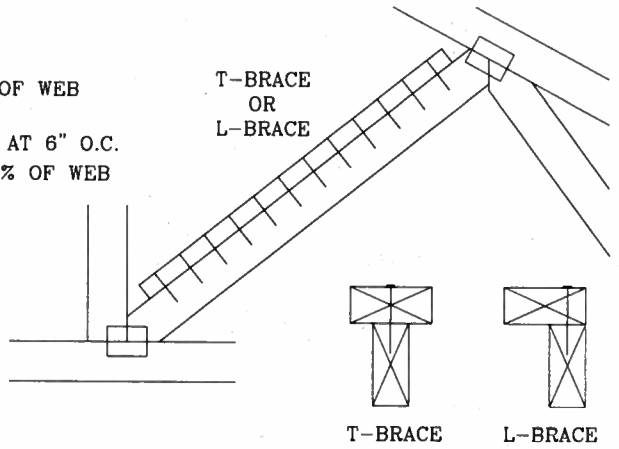
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

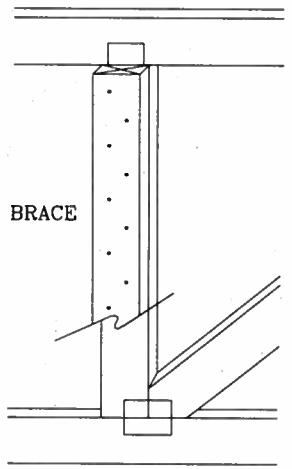
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH 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

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Ma 18 '06

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			

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

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

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

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

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # **(FOR STAFF USE ONLY)**

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 32-3S-16-02420-005 **Building permit No.** 000024652

Use Classification SFD,UTILITY **Fire:** 97.11

Permit Holder KEVIN BEDENBAUGH **Waste:** 150.75

Owner of Building JAMES HUDGINS **Total:** 247.86

Location: 595 SW BIRLEY AVE, LAKE CITY, FL

Date: 12/29/2006

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FORM 600B-97 — **Residential Component Prescriptive Method B** — **Department of Community Affairs** — **NORTH 1 2 3**

Compliance with Method B Chapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600B-97 for single and multifamily residences of 3 stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptive measures listed in Table 6B-1 of this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C-97. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the Code.

PROJECT NAME: Hudgins Residence	**BUILDER:** Plumb Level Construction / Kevin Bedenbaugh		
AND ADDRESS: 595 SW Briley Ave, Lake City, FL 32024	**PERMITTING OFFICE:** Columbia	**CLIMATE ZONE:** 1 ☐ 2 ☐ 3 ☐	
OWNER: James Hudgins	**PERMIT NO.:**	**JURISDICTION NO.:**	

GENERAL DIRECTIONS

1. New construction including additions which incorporates any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other non-vertical roof glass.
2. Choose one of the component packages "A" through "E" fromTable 6B-1 by which you intend to comply with the Code. Circle the column of the package you have chosen.
3. Fill in all the applicable spaces of the "To Be Installed" column on Table 6B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
4. Complete page 1 based on the "To Be Installed" column information.
5. Read "Minimum Requirements for All Packages", Table 6B-2 and check each box to indicate your intent to comply with all applicable items.
6. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

	Please Print	CK
1. Compliance package chosen (A-F)	1. A	
2. New construction or addition	2. NRW	
3. Single family detached or Multifamily attached	3. SF	
4. If Multifamily—No. of units covered by this submission	4.	
5. Is this a worst case? (yes / no)	5.	
6. Conditioned floor area (sq. ft.)	6. 1919	
7. Predominant eave overhang (ft.)	7. 2	
8. Glass type and area :	Single Pane / Double Pane	
a. Clear glass	8a. ____ sq. ft. / 225 sq. ft.	
b. Tint, film or solar screen	8b. ____ sq. ft. / ____ sq. ft.	
9. Percentage of glass to floor area	9. 11 %	
10. Floor type, area or perimeter, and insulation:		
a. Slab on grade (R-value)	10a. R= 0 / 188 lin. ft.	
b. Wood, raised (R-value)	10b. R= ____ / ____ sq. ft.	
c. Wood, common (R-value)	10c. R= ____ / ____ sq. ft.	
d. Concrete, raised (R-value)	10d. R= ____ / ____ sq. ft.	
e. Concrete, common (R-value)	10e. R= ____ / ____ sq. ft.	
11. Wall type, area and insulation:		
a. Exterior: 1. Masonry (Insulation R-value)	11a-1 R= ____ / ____ sq. ft.	
2. Wood frame (Insulation R-value)	11a-2 R= 11 / 1504 sq. ft.	
b. Adjacent: 1. Masonry (Insulation R-value)	11b-1 R= ____ / ____ sq. ft.	
2. Wood frame (Insulation R-value)	11b-2 R= ____ / ____ sq. ft.	
12. Ceiling type, area and insulation:		
a. Under attic (Insulation R-value)	12a. R= 30 / 1914 sq. ft.	
b. Single assembly (Insulation R-value)	12b. R= ____ / ____ sq. ft.	
13. Air Distribution System: Duct insulation, location	13. R= ____ / ____	
14. Cooling system	14a. Type: Central	
(Types: central, room unit, package terminal A.C., gas, none)	14b. SEER/EER: 13 +	
	14c. Capacity: ____	
15. Heating system:	15a. Type: H-Pump	
(Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room or PTAC, none)	15b. HSPF/COP/AFUE: 7.7 +	
	15c. Capacity: ____	
16. Hot water system:	16a. Type: Elec	
(Types: elec., nat. gas, L.P. gas, solar, heat rec., ded. heat pump, other, none)	16b. EF: .90	

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

PREPARED BY: [signature] **DATE:** 5-31-06

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

OWNER AGENT: [signature] **DATE:** ____

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: ____

DATE: ____

Revised 1998

TABLE 6B-1 **MINIMUM REQUIREMENTS** **Climate Zones 1 2 3**

COMPONENTS		PACKAGES FOR NEW CONSTRUCTION					TO BE INSTALLED
		(A)	B	C	D	E	
GLASS	Max.%of glass to Floor Area	15%	15%	20%	20%	25%	11 %
	Type	Double Clear (DC)	Double Tint (DT)	Double Tint (DT)	Double Clear (DC)	Double Tint (DT)	DC: ☒ DT: ☐
	Overhang	1'4"	2'	2'	2'	2'	2 FEET
WALLS	Masonry	EXTERIOR AND ADJACENT MASONRY WALLS R-5 COMMON MASONRY WALLS R-3 EACH SIDE.					EXT: R = 11 ADJ: R = COM: R =
	Wood Frame	EXTERIOR, ADJACENT, AND COMMON WOOD FRAME WALLS R-11					EXT: R = ADJ: R = COM: R =
CEILINGS		R-30	R-38	R-30	R-38	R-30	UNDER ATTIC: R = 30 COMMON: R =
		(NO SINGLE ASSEMBLY CEILINGS ALLOWED)					
FLOORS	Slab-On-Grade	R-0					R = 0
	Raised Wood	R-19 (ONLY STEM WALL CONSTRUCTION ALLOWED EXCEPT PACKAGE C)					R =
	Raised Concrete	R-7					R =
DUCTS		R-6	R-6	R-6	COND.	R-6	R = 6 COND. ☐
SPACE COOLING (SEER)		11.5	10.5	12.0	10.5	10.0*	SEER = 13
HEAT	Elect. (HSPF)	7.7	7.1	8.0	7.1	6.8*	COP= 3.77
	Gas/Oil (AFUE)	MINIMUM OF .73 (Direct heating) or .78 (Central)					AFUE =
HOT WATER SYSTEM	Electric Resistance**	EF .90	EF .90	NOT ALLOWED (SEE BELOW)	EF .90	NOT ALLOWED (SEE BELOW)	EF = .9
	Gas & Oil **	MINIMUM EF OF .54				NATURAL GAS ONLY (SEE BELOW)	EF =
	Other	Any of the following are allowed: dedicated heat pump, heat recovery unit or solar system.					DHP: ☐ EF= HRU : ☐ SOLAR: ☐ EF=

* Single package units minimum SEER=9.7, HSPF = 6.6.

** Minimum efficiencies for gas and electric hot water systems apply to to 40 gallon water heaters. Refer to Table 6-12 for minimum Code efficiencies for oil water heaters and other sizes.

DESCRIPTION OF BUILDING COMPONENTS LISTED

Percent of Glass to Floor Area: This percentage is calculated by dividing the total of all glass areas by the total conditioned floor area.

Overhang: The overhang is the distance the roof or soffit projects out horizontally from the face of the glass. All glass areas shall be under an overhang of at least the prescribed length with the following exceptions: 1) glass on the gabled ends of a house and 2) the glass in the lower stories of a multi-story house.

Wall, Ceiling and Floor Insulation Values: The R-values indicated represent the minimum acceptable insulation level added to the structural components of the wall, ceiling or floor. The R-value of the structural building materials shall not be included in this calculation. "Common" components are those separating conditioned tenancies in a multifamily building. "Adjacent" components separate conditioned space from unconditioned but enclosed space. "Exterior" components separate conditioned space from unconditioned and unenclosed space.

Floor: Slab-on-grade floors without edge insulation are acceptable. Raised wood floors shall have continuous stem walls with insulation placed on the stem wall or under the floor except Package C.

Ducts: "COND" indicates that the ducts must be installed within the conditioned space; that is, the ductwork shall be located on the conditioned side of the insulation. Ducts in conditioned space are acceptable for any prescriptive package.

Space Cooling System: Cooling systems shall have a Seasonal Energy Efficiency Ratio (SEER) for central units or Energy Efficiency Ratio (EER) for room units or PTAC's equal to or greater than the prescribed value.

Electric Space Heating Option: Heat pump systems shall be rated with a Heating Seasonal Performance Factor (HSPF) equal to or greater than the prescribed HSPF. Heat pump systems may contain electric strip backups meeting the criteria of section 608.1.ABC.3.2.1.2. No electric resistance space heat is allowed for these packages.

Electric Resistance Hot Water Option: For packages designated "Not Allowed", an electric resistance hot water system may be installed only in conjunction with one of the "Other Hot Water System Options". See below.

Other Hot Water System Options: Any dedicated heat pump, heat recovery unit, or solar hot water system may be installed. Solar systems must have an EF of 1.5 or higher. Electric resistance systems having an EF of .88 or greater, or natural gas systems with EF .54 or greater may be used in conjunction with these systems.

TABLE 6B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	606.1	To be caulked, gasketed, weather-stripped or otherwise sealed.	✓
Exterior Windows & Doors	606.1	Max .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Sole & Top Plates	606.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	✓
Recessed Lighting	606.1	Type IC rated with no penetrations (two alternatives allowed).	✓
Multi-story Houses	606.1	Air barrier on perimeter of floor cavity between floors.	N/A
Exhaust Fans	606.1	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	✓
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have minimum thermal efficiency of 78%.	N/A
Hot Water Pipes	612.1	Insulation is required for hot water circulating systems (including heat recovery units).	✓
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
HVAC Duct Construction, Insulation & Installation	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 610.1. Ducts in attics must be insulated to a minimum of R-6.	✓
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FORM 600B-97 — **Residential Component Prescriptive Method B** — **NORTH 1 2 3**

Department of Community Affairs

Compliance with Method B Chapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600B-97 for single and multifamily residences of 3 stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptive measures listed in Table 6B-1 of this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C-97. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the Code.

PROJECT NAME: Hudgins Residence **AND ADDRESS:** 595 SW Barley Ave, Lake City, FL 32024	**BUILDER:** Plumb Level Construction / Kevin Bedenbaugh **PERMITTING OFFICE:** Columbia	**CLIMATE ZONE:** 1 ☐ 2 ☐ 3 ☑
OWNER: James Hudgins	**PERMIT NO.:** 24652	**JURISDICTION NO.:** 22 1000

GENERAL DIRECTIONS

1. New construction including additions which incorporates any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other non-vertical roof glass.
2. Choose one of the component packages "A" through "E" fromTable 6B-1 by which you intend to comply with the Code. Circle the column of the package you have chosen.
3. Fill in all the applicable spaces of the "To Be Installed" column on Table 6B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
4. Complete page 1 based on the "To Be Installed" column information.
5. Read "Minimum Requirements for All Packages", Table 6B-2 and check each box to indicate your intent to comply with all applicable items.
6. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

	Please Print	CK
1. Compliance package chosen (A-F)	1. A	
2. New construction or addition	2. NRW	
3. Single family detached or Multifamily attached	3. SF	
4. If Multifamily—No. of units covered by this submission	4.	
5. Is this a worst case? (yes / no)	5.	
6. Conditioned floor area (sq. ft.)	6. 1914	
7. Predominant eave overhang (ft.)	7. 2	
8. Glass type and area :	Single Pane / Double Pane	
a. Clear glass	8a. ____ sq. ft. / 225 sq. ft.	
b. Tint, film or solar screen	8b. ____ sq. ft. / ____ sq. ft.	
9. Percentage of glass to floor area	9. 11 %	
10. Floor type, area or perimeter, and insulation:		
a. Slab on grade (R-value)	10a. R= 0 / 188 lin. ft.	
b. Wood, raised (R-value)	10b. R= ____ / ____ sq. ft.	
c. Wood, common (R-value)	10c. R= ____ / ____ sq. ft.	
d. Concrete, raised (R-value)	10d. R= ____ / ____ sq. ft.	
e. Concrete, common (R-value)	10e. R= ____ / ____ sq. ft.	
11. Wall type, area and insulation:		
a. Exterior: 1. Masonry (Insulation R-value)	11a-1 R= ____ / ____ sq. ft.	
2. Wood frame (Insulation R-value)	11a-2 R= 11 / 1504 sq. ft.	
b. Adjacent: 1. Masonry (Insulation R-value)	11b-1 R= ____ / ____ sq. ft.	
2. Wood frame (Insulation R-value)	11b-2 R= ____ / ____ sq. ft.	
12. Ceiling type, area and insulation:		
a. Under attic (Insulation R-value)	12a. R= 30 / 1914 sq. ft.	
b. Single assembly (Insulation R-value)	12b. R= ____ / ____ sq. ft.	
13. Air Distribution System: Duct insulation, location	13. R= ____ / ____	
14. Cooling system	14a. Type: Central	
(Types: central, room unit, package terminal A.C., gas, none)	14b. SEER/EER: 13 +	
	14c. Capacity: ____	
15. Heating system:	15a. Type: H-Pump	
(Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room or PTAC, none)	15b. HSPF/COP/AFUE: 7.7 +	
	15c. Capacity: ____	
16. Hot water system:	16a. Type: Elec	
(Types: elec., nat. gas, L.P. gas, solar, heat rec., ded. heat pump, other, none)	16b. EF: .90	

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

PREPARED BY: [signature] **DATE:** 5-31-06

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

OWNER AGENT: [signature] **DATE:** ____

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: ____

DATE: ____

Revised 1998

TABLE 6B-1 **MINIMUM REQUIREMENTS** **Climate Zones 1 2 3**

COMPONENTS		PACKAGES FOR NEW CONSTRUCTION					TO BE INSTALLED
		(A)	B	C	D	E	
GLASS	Max.%of glass to Floor Area	15%	15%	20%	20%	25%	11 %
GLASS	Type	Double Clear (DC)	Double Tint (DT)	Double Tint (DT)	Double Clear (DC)	Double Tint (DT)	DC: ☒ DT: ☐
GLASS	Overhang	1'4"	2´	2´	2´	2´	2 FEET
WALLS	Masonry	EXTERIOR AND ADJACENT MASONRY WALLS R-5 COMMON MASONRY WALLS R-3 EACH SIDE.					EXT: R = 11 ADJ: R = COM: R =
WALLS	Wood Frame	EXTERIOR, ADJACENT, AND COMMON WOOD FRAME WALLS R-11					EXT: R = ADJ: R = COM: R =
CEILINGS		R-30	R-38	R-30	R-38	R-30	UNDER ATTIC: R = 30 COMMON: R =
		(NO SINGLE ASSEMBLY CEILINGS ALLOWED)					
FLOORS	Slab-On-Grade	R-0					R = 0
FLOORS	Raised Wood	R-19 (ONLY STEM WALL CONSTRUCTION ALLOWED EXCEPT PACKAGE C)					R =
FLOORS	Raised Concrete	R-7					R =
DUCTS		R-6	R-6	R-6	COND.	R-6	R = 6 COND. ☐
SPACE COOLING (SEER)		11.5	10.5	12.0	10.5	10.0*	SEER = 13
HEAT	Elect. (HSPF)	7.7	7.1	8.0	7.1	6.8*	COP= 7.7
HEAT	Gas/Oil (AFUE)	MINIMUM OF .73 (Direct heating) or .78 (Central)					AFUE =
HOT WATER SYSTEM	Electric Resistance**	EF .90	EF .90	NOT ALLOWED (SEE BELOW)	EF .90	NOT ALLOWED (SEE BELOW)	EF = .9
HOT WATER SYSTEM	Gas & Oil **	MINIMUM EF OF .54				NATURAL GAS ONLY (SEE BELOW)	EF =
HOT WATER SYSTEM	Other	Any of the following are allowed: dedicated heat pump, heat recovery unit or solar system.					DHP: ☐ EF= ____ HRU: ☐ SOLAR: ☐ EF= ____

* Single package units minimum SEER=9.7, HSPF = 6.6.

** Minimum efficiencies for gas and electric hot water systems apply to to 40 gallon water heaters. Refer to Table 6-12 for minimum Code efficiencies for oil water heaters and other sizes.

DESCRIPTION OF BUILDING COMPONENTS LISTED

Percent of Glass to Floor Area: This percentage is calculated by dividing the total of all glass areas by the total conditioned floor area.

Overhang: The overhang is the distance the roof or soffit projects out horizontally from the face of the glass. All glass areas shall be under an overhang of at least the prescribed length with the following exceptions: 1) glass on the gabled ends of a house and 2) the glass in the lower stories of a multi-story house.

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HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓

ce of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

5-31-06

SW Bailey Ave. Lake City, 32024

ldress of Treatment or Lot/Block of Treatment) City

Florida Pest Control & Chemical Co.

www.flapest.com

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

nical to be used: 23% Disodium Octaborate Tetrahydrate

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

rmation to be provided to local building code offices prior to concrete ation installation.)

6/05 ©