

DATE 08/07/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024837

APPLICANT	AL MCNABB	PHONE	229.249.0907
ADDRESS	2404 BENISS ROAD	VALDOSTA	GA 31602
OWNER	CHRISMILL HOMES,INC.	PHONE	229.249.0901
ADDRESS	270 SW CALLAWAY DRIVE	LAKE CITY	FL 32024
CONTRACTOR	MICHAEL MILLER	PHONE	229.249.0901
LOCATION OF PROPERTY	SR-247-S TO CALLAHAN RD,TL TO CALLAWAY DR,TR AND IT'S @ THE CORNER OF PHEASANT & CALLAWAY.		
TYPE DEVELOPMENT	SFD/UTILITY	ESTIMATED COST OF CONSTRUCTION	111000.00
HEATED FLOOR AREA	2220.00	TOTAL AREA	3062.00
		HEIGHT	24.80
		STORIES	1
FOUNDATION	CONC	WALLS	FRAMED
		ROOF PITCH	8'12
		FLOOR	CONC
LAND USE & ZONING	A-3	MAX. HEIGHT	35
Minimum Set Back Requirments:	STREET-FRONT	25.00	REAR 15.00
		SIDE	10.00
NO. EX.D.U.	0	FLOOD ZONE	XPP
		DEVELOPMENT PERMIT NO.	

PARCEL ID	15-4S-16-03023-254	SUBDIVISION	CALLAWAY
LOT	54	BLOCK	PHASE 2
		UNIT	
		TOTAL ACRES	0.50

000001178	CRC1327579	AL MCNABB
Culvert Permit No.	Culvert Waiver	Contractor's License Number
18"X32"MITERED	06-0239-N	BLK
Driveway Connection	Septic Tank Number	LU & Zoning checked by
		Approved for Issuance
		New Resident

COMMENTS: LOT FLOODED IN 2004. MEETS RESOLUTION 2005R-26 PER COUNTY ENGINEER.
M.F.E TO BE 88.50'. ELEVATION LETTER REQUIRED.

Check # or Cash 1105

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power	Foundation	Monolithic
date/app. by	date/app. by	date/app. by
Under slab rough-in plumbing	Slab	Sheathing/Nailing
date/app. by	date/app. by	date/app. by
Framing	Rough-in plumbing above slab and below wood floor	
date/app. by		date/app. by
Electrical rough-in	Heat & Air Duct	Peri. beam (Lintel)
date/app. by	date/app. by	date/app. by
Permanent power	C.O. Final	Culvert
date/app. by	date/app. by	date/app. by
M/H tie downs, blocking, electricity and plumbing		Pool
	date/app. by	date/app. by
Reconnection	Pump pole	Utility Pole
date/app. by	date/app. by	date/app. by
M/H Pole	Travel Trailer	Re-roof
date/app. by	date/app. by	date/app. by

BUILDING PERMIT FEE \$	555.00	CERTIFICATION FEE \$	15.31	SURCHARGE FEE \$	15.31
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 \$	25.00
		TOTAL FEE	685.62		
INSPECTORS OFFICE		CLERKS OFFICE			

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

MAY 26 2006

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 (legal description of the property and street address, if available):

Lot 54, Callaway Subdivision Phase 2

Plat Book 7, Pages 70-71
2. General description of improvement: **New Construction of residential dwelling.**
3. Owner information:
 4. Name and address: **ChrisMill Homes.**
2404 Bemiss Road
Valdosta, GA 31602 ✓
 - b) Interest in property: **Fee Simple.**
 - c) Name and address of fee simple title holder (if other than Owner): **N/A.**
4. Contractor (name and address): **ChrisMill Homes, Inc**
2404 Bemiss Road
Valdosta, GA 31602
 - a) Phone number: **(229)249-0901.**
 - b) Fax number (optional, if service by fax is acceptable): **229-242-2083**
5. Surety information:
 - a) Name and address: **Developers Surety & Indemnity Co.**
P.O. Box 19725
Irvine CA 92623
 - b) Phone number: **949-263-3300**
 - c) Fax number (optional, if service by fax is acceptable): **949-263-3300**
 - d) Amount of bond: **\$50,000.00**
6. Lender (name and address): **Citizens Bank of Nashville**
PO Box 128
Nashville, GA 31639
 - a) Phone number: **229-686-7444**
 - b) Fax number (optional, if service by fax is acceptable): **229-686-3079**
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes (name and address):
Michael Miller
92 Sadberry Road
Quincy, FL 32351
 - a) Phone number: **229-249-0901**
 - b) Fax number (optional, if service by fax is acceptable):
8. In addition to himself, Owner designates: _____ of _____
_____ (address) to receive a copy of the
Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.
 - a) Phone number: _____
 - b) Fax number (optional, if service by fax is acceptable): _____
9. Expiration date of notice of commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

(Signature on following page)

Inst: 2006012197 Date: 05/18/2006 Time: 12:28
A-7. DC, P. Dewitt Cason, Columbia County B: 1084 P: 519

24837

ChrisMill Homes of Florida
2404 Bemiss Road
Valdosta, GA 31602



Witness

Witness

The foregoing instrument was acknowledged before me this 17 day of May, 2006, by _____ and who is () personally known to me or () has produced a driver's license as identification.

(NOTARIAL SEAL)

Stacy Hall
NOTARY PUBLIC
My Commission Expires:
Notary Public, Lowndes County, Georgia
My Commission Expires Aug. 29, 2009

Witness

Witness

Inst:2006012197 Date:05/18/2006 Time:12:28

DC,P.Dewitt Cason,Columbia County B:1084 P:520

The foregoing instrument was acknowledged before me this _____ day of _____, 2005, by _____ and who is () personally known to me or () has produced a driver's license as identification.

(NOTARIAL SEAL)

NOTARY PUBLIC
My Commission Expires:

Witnesses - Not Necessary

Jurat - Necessary

Comments:

1. *This is the form as set forth in Section 713.13(1)(d), Florida Statutes.*
2. *Section 713.18(3), Florida Statutes provides that the inclusion of the information to be set forth in paragraphs 4, 5, 6, 7 and 8 of the form is optional to the owner signing the Notice of Commencement. It has been recommended that owner refrain from authorizing service by facsimile. Joel W. Walters, The 1996 Amendments to the Florida Construction Lien Law, The Florida Bar Journal, Volume LXXI, No. 1, 16, 18 (January, 1997).*

Callaway
Lot 54

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0604-98 Date Received 4/21/06 By GT Permit # 1178 / 24837
Application Approved by - Zoning Official RLK Date 3.1.07.06 Plans Examiner DK JH Date 7-31-06
Flood Zone Xp-01 Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. L. Dev.
Comments Lot flooded in 2004. Meets Resolution - 2005R-26 per Co. Eng. MFE to be 88.5 ft
Elevation Letter Required - NOC

Applicants Name AL McNamee & Son Phone 229-249-0901
Address 2404 Bemiss Rd Valdosta, GA 31602
Owners Name Chrismill Homes Inc. Phone 229-249-0901
911 Address 270 S.W. Callaway Dr. Lake City FL 32024
Contractors Name Michael Miller Phone 229-249-0901
Address 2404 Bemiss Rd Valdosta, GA 31602
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address WPII Myers
Mortgage Lenders Name & Address Citizens Bank of Nashville
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 15-45-16 R03023-254 Estimated Cost of Construction 185,800
Subdivision Name Callaway Lot 54 Block Unit Phase 2
Driving Directions Hwy 247 (Branford Hwy) L on Callahan, R on
S.W. Callaway Dr, pass 2 streets 3rd house down from
corner of Pheasant and S.W. Callaway.
Type of Construction SFD Number of Existing Dwellings on Property 0
Total Acreage Lot Size .5 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 50' Side 26'-2" Side 24'-4" Rear 73'-2"
Total Building Height 24'-8" Number of Stories 1 Heated Floor Area 2220 Roof Pitch 8-12
Porches 338 Garage 504 TOTAL 3062

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

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

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

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

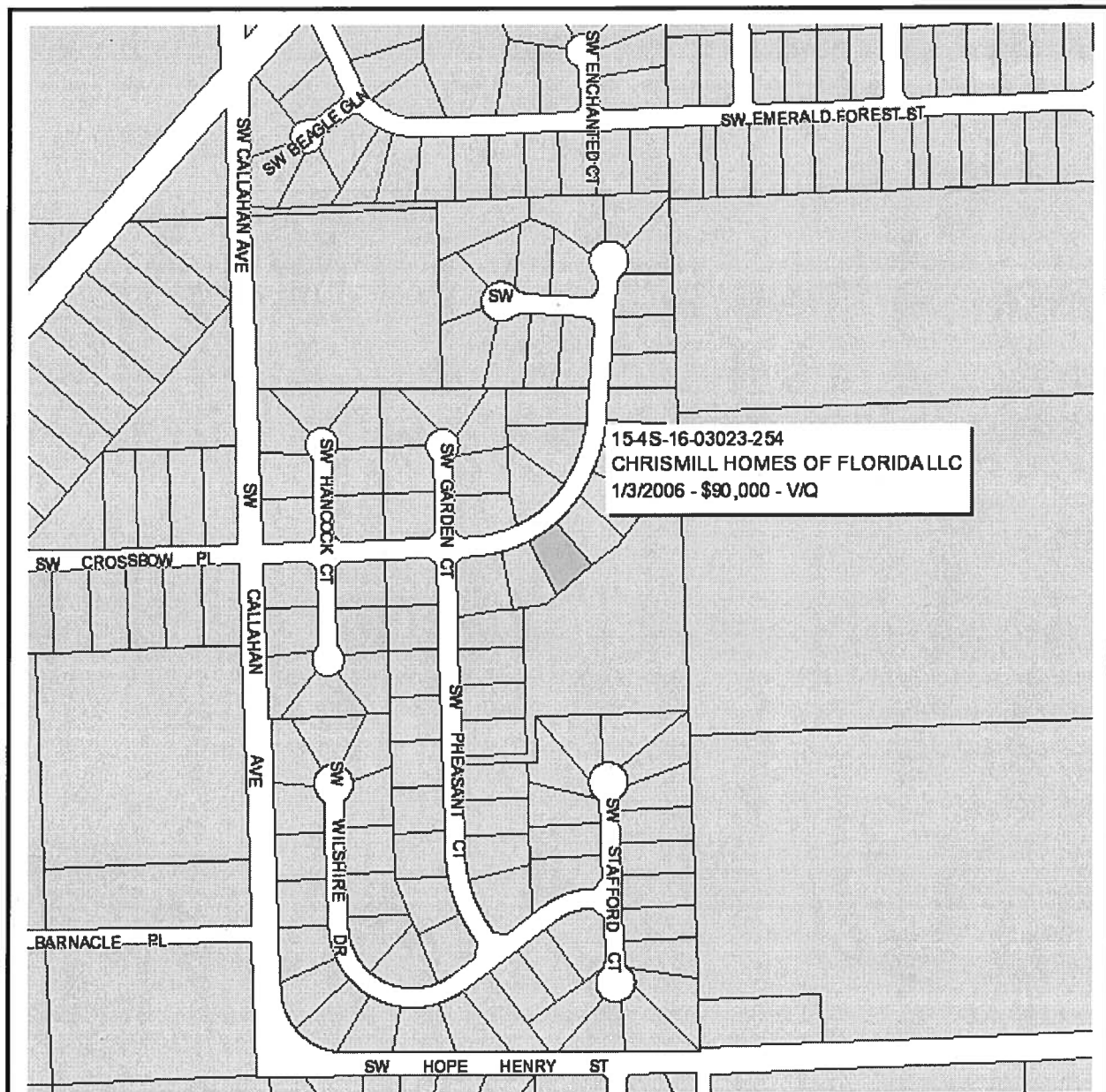
Sworn to (or affirmed) and subscribed before me
this 16 day of February 2006

Personally known ✓ or Produced Identification

Contractor Signature Michael Miller
Contractors License Number CRC 132757
Competency Card Number
NOTARY STAMP/SEAL

Stacey Hall Notary Public, Lowndes County, Georgia
My Commission Expires Aug. 29, 2009

Notary Signature
229. 300. 3037-21 McNamee



Columbia County Property Appraiser

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

PARCEL: 15-4S-16-03023-254 - VACANT (000000)

LOT 54 CALLAWAY S/D PHASE 2. WD 1022-2821, CWD 1026-1897.WD 1070-476.

Name:	CHRISMILL HOMES OF FLORIDA LLC	LandVal	\$34,000.00
Site:	CALLAWAY PHASE 2	BldgVal	\$0.00
Mail:	426 SW COMMERCE BLVD	ApprVal	\$34,000.00
	LAKE CITY, FL 32024	JustVal	\$34,000.00
Sales	1/3/2006 \$90,000.00 V / Q	Assd	\$34,000.00
Info	9/20/2004 \$100.00 V / U	Exmpt	\$0.00
	8/4/2004 \$22,900.00 V / Q	Taxable	\$34,000.00

0 210 420 630 ft

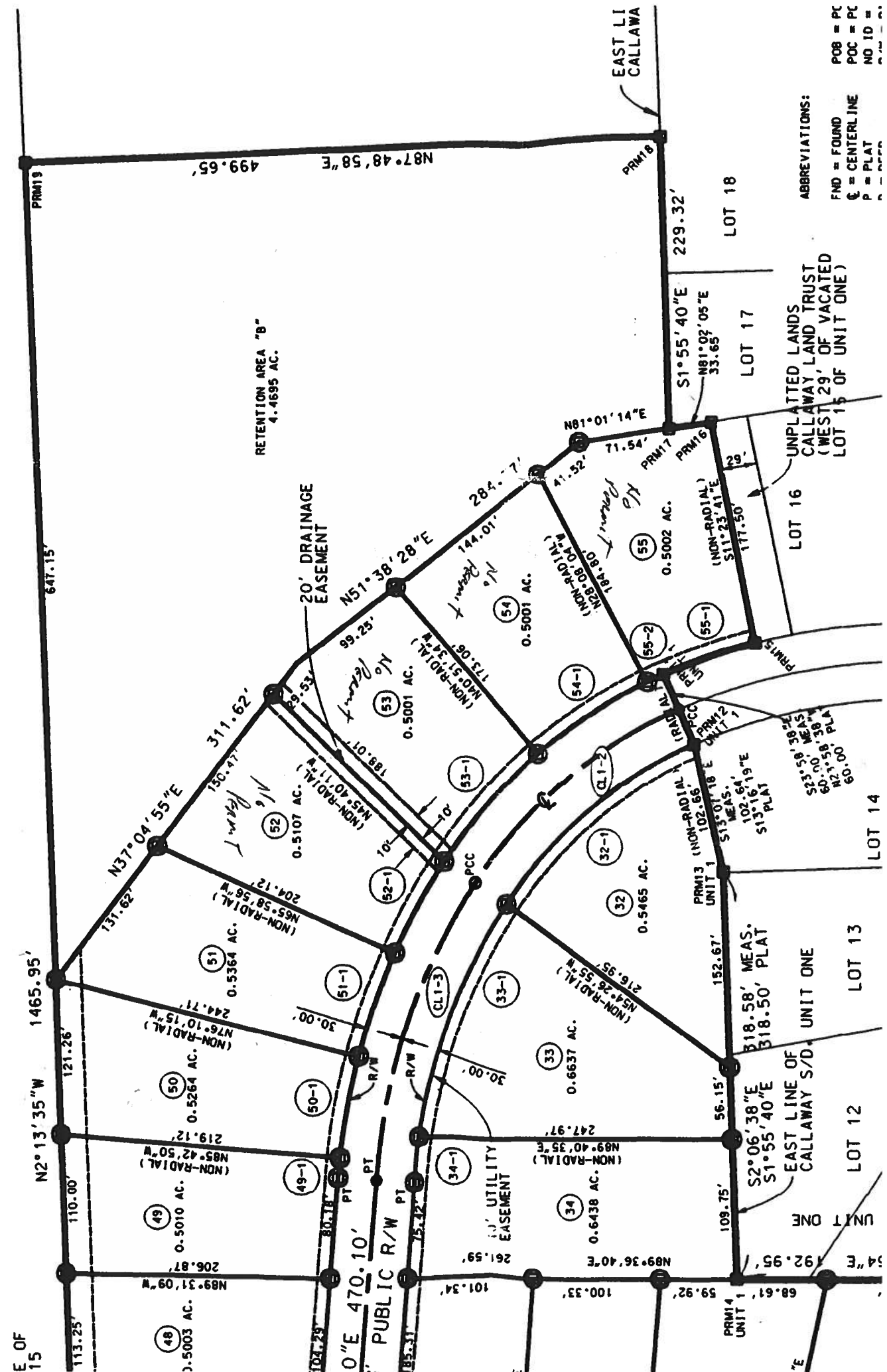


This information, GIS Map Updated: 4/6/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market 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.

CONC. MON. FOUND AS NOTED
 PERMANENT CONTROL POINT
 (PCP) NAIL & DISC (LB 668)

0 50 100 200
 1" = 100 FEET

UNPLATTED LANDS



ABBREVIATIONS:
 FND = FOUND
 C = CENTERLINE
 P = PLAT

UNPLATTED LANDS
 CALLAWAY LAND TRUST
 (WEST 29' OF VACATED
 LOT 15 OF UNIT ONE)

LOT 14

LOT 15

LOT 16

LOT 17

LOT 18

UNIT ONE

UNIT TWO

UNIT THREE

UNIT FOUR

UNIT FIVE

UNIT SIX

UNIT SEVEN

UNIT EIGHT

UNIT NINE

UNIT TEN

UNIT ELEVEN

UNIT TWELVE

UNIT THIRTEEN

UNIT FOURTEEN

UNIT FIFTEEN

UNIT SIXTEEN

UNIT SEVENTEEN

UNIT EIGHTEEN

UNIT NINETEEN

UNIT TWENTY

UNIT TWENTY ONE

UNIT TWENTY TWO

UNIT TWENTY THREE

UNIT TWENTY FOUR

UNIT TWENTY FIVE

UNIT TWENTY SIX

UNIT TWENTY SEVEN

UNIT TWENTY EIGHT

UNIT TWENTY NINE

UNIT THIRTY

UNIT THIRTY ONE

UNIT THIRTY TWO

UNIT THIRTY THREE

UNIT THIRTY FOUR

UNIT THIRTY FIVE

UNIT THIRTY SIX

UNIT THIRTY SEVEN

UNIT THIRTY EIGHT

UNIT THIRTY NINE

UNIT FORTY

UNIT FORTY ONE

UNIT FORTY TWO

UNIT FORTY THREE

UNIT FORTY FOUR

UNIT FORTY FIVE

UNIT FORTY SIX

UNIT FORTY SEVEN

UNIT FORTY EIGHT

UNIT FORTY NINE

UNIT FIFTY

UNIT FIFTY ONE

UNIT FIFTY TWO

UNIT FIFTY THREE

UNIT FIFTY FOUR

UNIT FIFTY FIVE

UNIT FIFTY SIX

UNIT FIFTY SEVEN

UNIT FIFTY EIGHT

UNIT FIFTY NINE

UNIT SIXTY

UNIT SIXTY ONE

UNIT SIXTY TWO

UNIT SIXTY THREE

UNIT SIXTY FOUR

UNIT SIXTY FIVE

UNIT SIXTY SIX

UNIT SIXTY SEVEN

UNIT SIXTY EIGHT

UNIT SIXTY NINE

UNIT SEVENTY



BAILEY BISHOP & LANE, INC.

Engineers

Surveyors

Planners

November 16, 2006

Chris Mill Homes
Lake City, Florida 32025

RE: Flood Statement Letter

Dear Sir:

We have performed a vertical survey from a Bench Mark described as a nail & disc (PCP LB6685), Elevation of 86.01', NGVD 1929 datum, in the centerline of SW Callaway Drive, located in front of the parcel of land in question. Said lands being Lots 54 & 55, Callaway, Phase two, Columbia County, Florida, and we herewith submit the following:

- That we determined that the elevation of the stem wall of Lot 54 to be 89.18', NGVD 1929 datum. Also, we determined that the elevation of the stem wall of Lot 55 to be 89.14', NGVD 1929.

Should you have any questions, please do not hesitate to give me a call.

Sincerely,

Brian Scott Daniel, PSM
Director of Surveying
BAILEY, BISHOP & LANE, INC.

P. O. Box 3717

Lake City, FL 32056-3717

Ph. (386) 752-5640

FAX (386) 755-7771

P. O. Box 814

Port St. Joe, FL 32457

Ph. (850) 227-9449

FAX (850) 227-9650

MEMORANDUM

TO: Dale Williams
FROM: Brian Kepner
DATE: July 28, 2006
RE: Callaway, Phase II, Lots 53, 54, and 55

After receiving a copy of the letter from Scott Stewart to you dated June 15, 2006 along with your comments, we forwarded Flood Resolution 2005R-26 to John Colson. John requested that maximum stage elevation for a 100 yr. storm and a statement relative to adverse negative impact to adjoining property owners be added to the grading plan. Those items have been complied with but John has not given his approval due to the unresolved ownership of the retention pond, permit modifications, and the basin not being dug as of yet behind the dike.

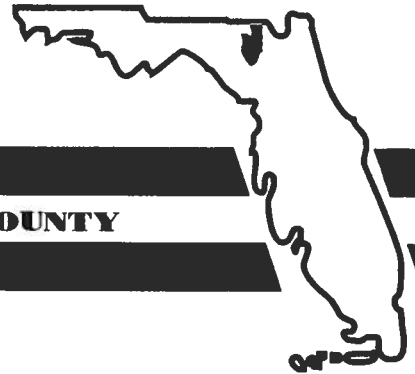
Please advise what course of action you would like me to take as Scott Stewart and Charlie Sparks are inquiring on a daily basis as to the status.

OK to issue
J. Colson

OK TO ISSUE -
Dale Williams

District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - George Skinner
District No. 4 - Jennifer Flinn
District No. 5 - Elizabeth Porter

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY



To: John Colson
7-17-06

MEMORANDUM

Date: 10 July 2006
From: John Colson, P.E., County Engineer
To: Brian L. Kepner, County Planner *BLK*
Re: Flood Resolution 2005R-26

Talk to Dale

Please find attached the items submitted for Lots 53, 54 and 55, Callaway, Phase II Subdivision.
Please review for compliance with Flood Resolution 2005R-26.

*see attached
engineer*

Require 100 year storm (maximum stage elevation) on sheet 5.

Statement relative to adverse negative impact to adjoining property owners.

*Issues concerning retention pond ownership and permit modifications have not been resolved.
(See Dale's letter to Rick Schultz (2/15/06) and J2WMD letter 2/10/06.)*

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.



BAILEY BISHOP & LANE, INC.

Engineers

Surveyors

Planners

July 5, 2006

Brian Kepner
P.O. Drawer 1529
Lake City, FL 32056

Re: Callaway Subdivison – Lots #53, 54, & 55, Lake City – Grading Plan Development

Mr. Kepner:

As requested in recent correspondence from Columbia County, this letter shall serve as certification that the subject property does not adversely impact adjacent lot owners.

In accordance with resolution 2005R-26, Bailey, Bishop and Lane, Inc. is submitting a grading plan for lots 53, 54 and 55 in Callaway subdivision.

Gregory G. Bailey, P.E.

P. O. Box 3717

Lake City, FL 32056-3717

Ph. (386) 752-5640

FAX (386) 755-7771

P. O. Box 814

Port St. Joe, FL 32457

Ph. (850) 227-9449

FAX (850) 227-9449

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10:51:18

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[View Messages](#)
[Change My PIN](#)
[View Continuing Ed](#)

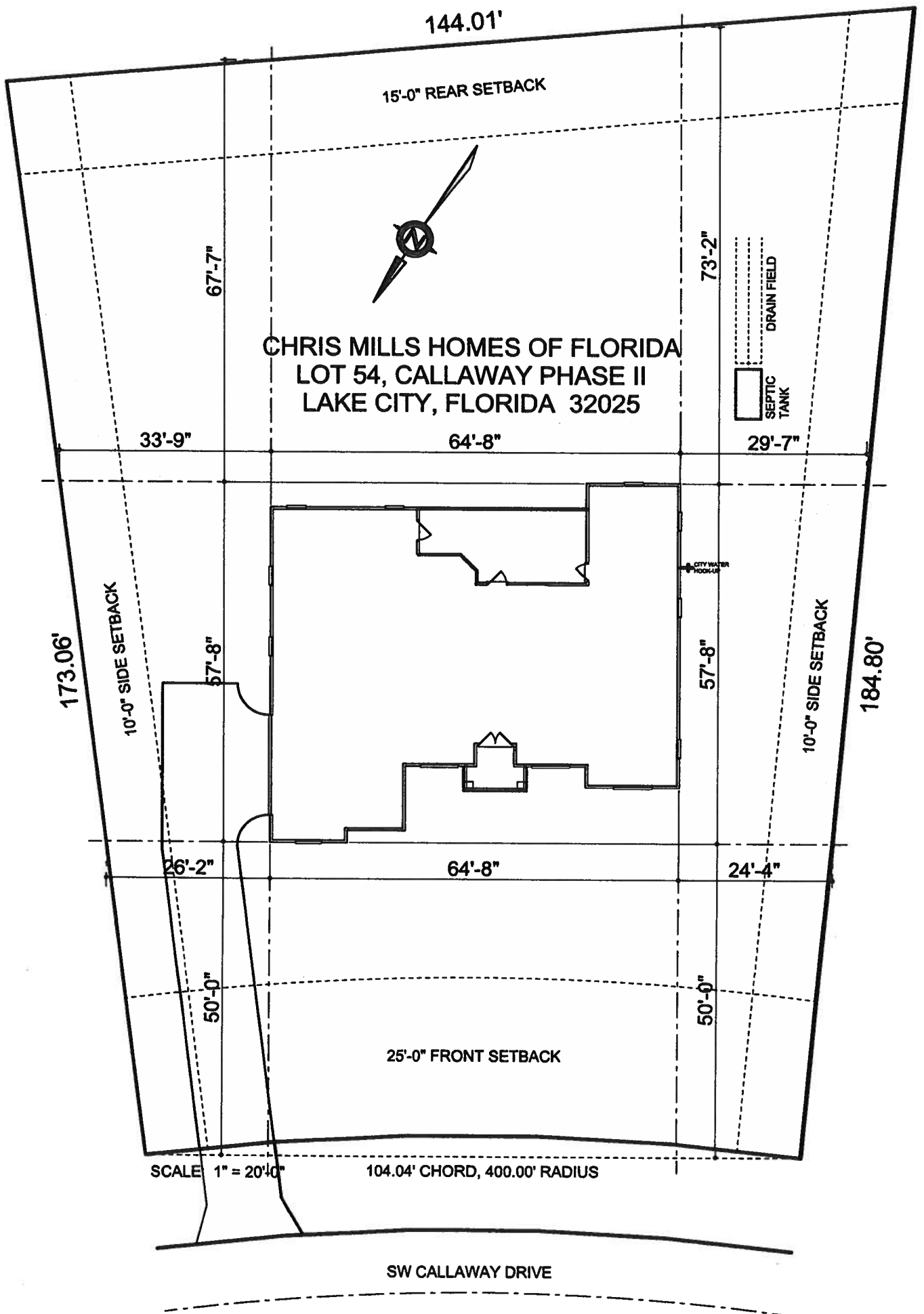
Search Results

Please see our [glossary of terms](#) for an explanation of the license status shown in these search results.

License Type	Name	Name Type	License Number/ Rank	Status/ Expires	
Certified Residential Contractor	<u>CHRISMILL HOMES INC</u>	DBA	CRC1327579 Cert Residential	Current, Active 08/31/2008	LAK
Certified Residential Contractor	<u>MILLER, MICHAEL GORDEN</u>	Primary	CRC1327579 Cert Residential	Current, Active 08/31/2008	LAK

New

[Term Glossary](#)[Online Help](#)[Terms of Use](#) | [Privacy Statement](#)



30

B B
Bailey Bishop & Lane, Inc.
P.O. Box 3717
Lake City, FL 32056
Ph. 386-752-6640
Eng. Lic. 7382
Survey Lic. LB-0006865

NOTES

ELEVATIONS ARE BASED ON BM # 1, EL. 100.00'
(ASSUMED DATUM).
THE PURPOSE OF THIS SURVEY IS TO LOCATE THE DRAINAGE
DITCHES.
THIS IS NOT A BOUNDARY SURVEY.

LEGEND

- DENOTES 5/8" IRON ROD & CAP SET (U8888)
● DENOTES IRON PIPE OR REBAR FOUND (U77)
○ DENOTES 4"x4" CONCRETE MONUMENT SET (U8888)
○ DENOTES 4"x4" CONCRETE MONUMENT FOUND
○ DENOTES NAIL LOG FOUND
○ NO ID - NO IDENTIFICATION
- PNO - FOUND
CAL - CONCRETE MONUMENT
Z - MORE OR LESS
ORB - OFFICIAL RECORDS BOOK
OPC - PAGE (S)
C - CENTERLINE
(P) - PLAT
CAL - CALCULATED
MA - MEASURED
OR - OFFSET
POB - POINT OF BEGINNING
POC - POINT OF COMMENCEMENT
FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
N - NORTH
E - EAST
S - SOUTH
W - WEST

SCALE: 1" = 60'



SURVEY FOR: WESTFIELD GROUP

1-31-09

DATE OF CERTIFICATE

1/30/06

SURVEY VALID ONLY OF FIELD SURVEY SHOWN HEREON. NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, FLORIDA CERTIFICATE OF AUTHORIZATION NO. 6885.

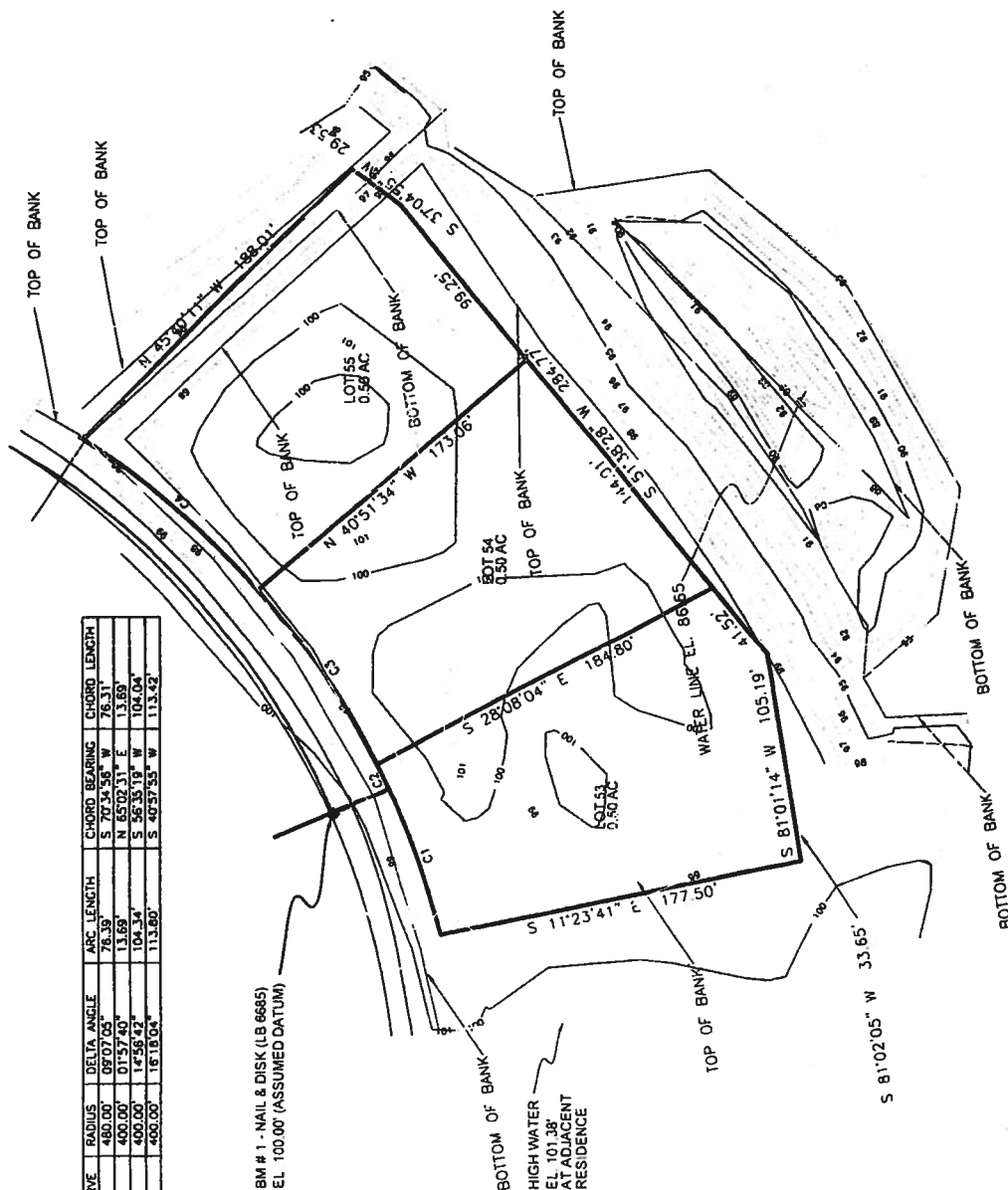
Scott Davis

BRIAN SCOTT DANIEL, PSM
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 8448

COMMON CENTS

NOT VALID WITHOUT THE SIGNATURE AND
IMPRESSION AND MAPPER, FLORIDA

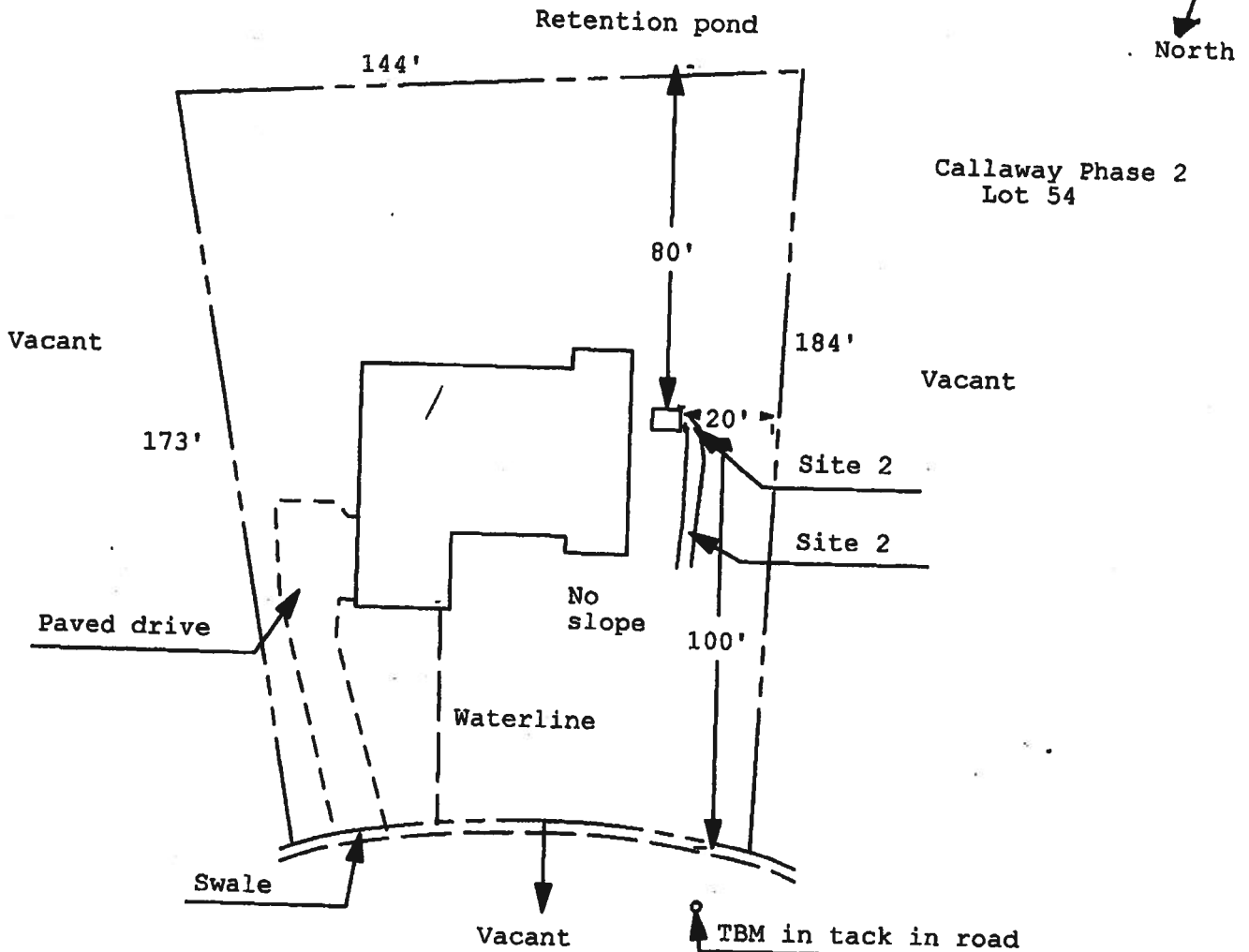
CURVE	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	480.00'	09°07'05"	76.39'	S 70°34'56" W	76.31'
C2	400.00'	01°37'40"	1.369'	N 65°02'31" E	1.389'
C3	400.00'	104.34°	14°56'42"	S 56°35'19" W	104.04'
C4	400.00'	161.68°	113.80'	S 40°37'55" W	113.42'



**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0239N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CHRIS MILLS HOMES/CR 05-3391



1 inch = 40 feet

Site Plan Submitted By Paul Lloyd
Plan Approved ☒ Not Approved ☐ Date 3/14/06
By Theresa Columbia CPHU

Notes: _____

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000001178**

DATE 08/07/2006 PARCEL ID # 15-4S-16-03023-254
APPLICANT AL MCNABB PHONE 229.249.0907
ADDRESS 2404 BEMISS ROAD VALDOSTA GA 31602
OWNER CHRISMILL HOMES, INC. PHONE 229.249.0901
ADDRESS 270 SW CALLAWAY DRIVE LAKE CITY FL 32024
CONTRACTOR MICHAEL MILLER PHONE 229.249.0901
LOCATION OF PROPERTY SR-247-S TO CALLAHAN RD, TL TO CALLAWAY DR, TR AND IT'S @ THE CORNER
PHEASANT & CALLWAY DR.
SUBDIVISION/LOT/BLOCK/PHASE/UNIT CALLAWAY 54 2
SIGNATURE ✓ AL MCNABB

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.**

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

Amount Paid 25.00





CHRIS MILL[#] HOMES

24837

FAX TRANSMITTAL COVER SHEET

Date:

1/10/07

24837

ATTENTION:

Mr. Harry Dick

Fax # (386) 758-1008

Sent By:

Orlean McDonald

Number of Pages (Including Cover Sheet)

6

Additional info on PEX System from the manufacturer (including documentation showing blown insulation acceptable in the attic. They also have a rep for H. a Jody Rump who will be contacting you. Please call me with any further questions. I will be continuing as discussed. Thank you.

Subj: RE: Engineering letter for insulation of Pex lines.
Date: 1/9/2007 5:33:37 P.M. Eastern Standard Time
From: Jim.Lemen@VIEGA.COM
To: AMimlitsch@aol.com

Amber, Judy and the local sales rep will be in touch with Mr. Harry in the morning and should have your situation resolved for a peaceful lunch time tomorrow.

From: AMimlitsch@aol.com [mailto:AMimlitsch@aol.com]
Sent: Tuesday, January 09, 2007 4:31 PM
To: Lemen Jim
Subject: Re: Engineering letter for insulation of Pex lines.

Thank you very much for you assistance.

Amber McDonald
Chrismill Homes

Tuesday, January 09, 2007 America Online: AMimlitsch



Feb. 25, 2003

Jerry Lapour
Central Regional Sales Manager
Vanguard Piping Systems, Inc.
3927 W. Monroe
Springfield, MO. 65802

RE: Insulation Requirements for Vanex® PEX Distribution Lines

Jerry:

Concerning your request for clarification of the insulation requirements for Vanex PEX distribution lines.

Vanex PEX Distribution lines running through areas of the home that will be exposed to freezing temperatures should be insulated in accordance with area practice and/or plumbing code guidelines. However, it is acceptable practice to cover PEX tubing with the equivalent insulation R-value using fiberglass batting or loose blown insulation. It is not necessary to wrap PEX tubing with open or closed cell type foam insulation (like or similar to Armaflex®) and cover it with additional batting or blown type insulation (like or similar to Cocoon2® loose-fill insulation). The R-value for a typical 1/2" thick open or closed cell type foam insulation wrap is equal to a 1.8 R-value, this be equivalent to no more than 1-1/2" thickness of a blown in type or batting type insulation as a replacement in lieu of the wrap.

If the tubing must penetrate this layer of blown in or rolled batting insulation, and is exposed to the unheated area, then use of foam wrap with the appropriate R-value could be used to protect the exposed tubing.

I have included a submittal sheet from armacell the manufactures of Armaflex, and greenfiber™ Cocoon2® loose-fill insulation for your reference.

I hope this information is helpful, if you have additional questions feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read 'J.P. Fay'.

J.P. Fay
Technical Administrator

PRODUCT	DESCRIPTION	MINIMUM THICKNESS	THERMAL RESISTANCE R-VALUE	APPLICABLE STANDARD/SPECIFICATION
Cocoon [®] Stabilized Batts	2 1/2" natural organic insulation made from a combination of wood fibers, dry cellulose and fire resistant borate chemical	2.50	R-13.0	This product has been tested and complies with ASTM C-177 (US) and CAN/ULC-S703 (Canadian) in addition to the following standards: ASTM C-473 ASTM C-548 ASTM C-1149 ASTM E-970 ASTM E-34 Flame Spread (5-25) Smoke Development (50) CANULC-S402.3 Flame Spread (5-130)
		4.00	R-19.8	
		4.50	R-16.7	
		5.00	R-13.5	
		5.50	R-20.4	
	For spray-applied wall applications. Can also be used for attic and floor applications	6.00	R-22.2	

Seamless Protection and Higher R-Value for Maximum Insulating Performance

You can cost-effectively enhance the quality of your next project by insulating with Cocoon[®] insulation. Cocoon insulation may be used in walls and attics of residential or commercial structures, as well as cathedral or flat ceilings, crawl spaces, basements and as insulation under floors. There are no slope restrictions with Cocoon stabilized insulation.

◆ HIGH R-VALUE

Cocoon insulation's density gives it a high R-value per inch and it maintains that R-value even under extreme conditions. It completely fills most voids, forming a tight, seamless insulation seal around irregular objects such as wiring, plumbing and framing materials in attics and walls.

◆ ZERO TOLERANCE INSTALLATION

Insulation plays a crucial role in the building envelope system. It is important that insulation be in direct contact with the air barrier. The air barrier is the plane commonly made of drywall that separates the conditioned areas of the building from the unconditioned areas. Adherence to these "zero tolerance" guidelines will produce an effective thermal boundary:

No Gaps

Gaps commonly occur in the thermal boundary when insulation covers too short or too narrow an area for a stud cavity.

No Voids

Holes in the thermal boundary allow unwanted heat gain during the summer and heat loss during the winter. Typical problem areas are knee walls, stairs on exterior walls, vaulted ceilings, tubs or tub and shower stalls, and utility shafts.

No Compression

Insulation achieves its full R-value only when it is allowed to remain at its full thickness.

Subj: Test report freeze break.DOC
Date: 1/9/2007 5:21:28 P.M. Eastern Standard Time
From: Jim.Lemen@VIEGA.COM
To: amimlitsch@aol.com

Test Report

Vanguard Industries

Title: Freeze-Break Resistance

Product: Vanguard Vanex/Vanex Plus PEX Tubing

Scope: To determine the relative freeze-break resistance of Vanguard Vanex/Vanex Plus PEX tubing.

Description: The tubing was tested in the same manner as previous tests on pipes of polybutylene, copper and steel. Tubes 12" in length were capped at one with a Crimpsert plug then filled completely with water and the remaining end was capped with a Crimpsert plug. The tubes were filled at room temperature (73° F) and each was checked to determine that all air had been purged from inside the tube.

The filled tubes were placed into a freezer at 10° F and left in for 15 hrs. The tubes were then removed and allowed to thaw completely for 8 hrs. This freeze-thaw cycle was repeated each day for 30 consecutive days.

Results: None of the samples in this test showed any signs of failure or bursting. The PEX material was able to expand slightly as the water converted to ice, then return to its original shape upon thawing of the water.

Conclusion: Vanex PEX was resistant to damage and failure caused by the action of water freezing inside the tubing. Vanex PEX is not freeze-break resistant, however, it appears that it does demonstrate a significant amount of freeze-break resistance.

Tuesday, January 09, 2007 America Online: AMimlitsch

Q & A about Vanex Series® PEX

Q What is PEX?

PEX is cross-linked polyethylene. Through one of several available processes, links between polyethylene molecules are formed to create essentially one larger three dimensional molecule of polyethylene. This three-dimensional molecule is more resistant to temperature extremes, chemical attack and creep deformation which makes PEX ideal for use in hot water applications.

Typical cross-linking levels in pipe are 65%-89%. For more than three decades, PEX (or PE-X) has been used extensively in Europe for hot water heating and plumbing applications.

Q How is PEX made?

The process starts with medium to high density polyethylene (MDPE or HDPE) resin. In some of the cross-linking methods, chemicals are added to the base resin which, either during extrusion or in a post-extrusion process, create the molecular cross-links through chemical reaction. These chemical methods can be compared to the vulcanization of rubber. Another method, radiation (nuclear or electron beam), uses high energy irradiation of the extruded pipe to form the molecular links. Finished properties of cross-linked material from these commercial methods are very similar.

Q What cross-linking method is used to make Vanex Series PEX?

Vanguard uses the silane method of chemical cross-linking. This process uses HDPE resin with additives that react when the extruded pipe is exposed to heat and moisture. The chemical reaction stops when cross-linking reaches 70-80%. Even with further exposure, no additional reaction will take place. Vanex Series PEX is tested to check the degree of cross-linking before it leaves the factory.

Q What about the chemicals used in cross-linking Vanex? Are they harmful?

All of the chemical additives used in making Vanex are depleted during the cross-linking process. NSF International (formerly the National Sanitation Foundation) has tested Vanex Series tubing to Standard 61 (Health Effects) and found it safe for use in potable water systems.

Q What about the use temperatures and pressures ratings?

Vanex PEX is rated for 100 psi @ 180° F and 160 psi @ 73° F. Vanex Series PEX tubing is manufactured, sampled, tested, marked and third-party-listed in accordance with ASTM standards F876 and F877, and CSA (Canadian Standards Association) standard B137.5.

Q What sizes is Vanex available in?

Vanguard's Vanex PEX tubing is made in 3/8", 1/2", 5/8", 3/4", 1", 1 1/4" and 1 1/2" sizes. The tubing is copper tube size, meaning that the actual outside diameter of the PEX is the same nominal size of copper tubing. Vanex has a wall thickness corresponding to SDR9 (Standard Dimension Ratio 9) meaning that the wall thickness is 1/9th of the outside diameter and is proportionate for each size maintaining the same pressure ratings for all sizes.

Q What about freeze-break resistance?

Vanex PEX will stretch slightly to accommodate the expansion of frozen water, then return to its original size when the water thaws. This memory is a feature of cross-linked material, giving it thermo-elastic behavior. Although freeze-break resistant, no pipe is freeze-break proof under all circumstances. Insulation of plumbing pipes as instructed by local codes is still required.

Q What about flexibility and fewer fittings for changes in direction?

Vanex is flexible and requires fewer fittings to install since most changes in direction can be accomplished without the need for elbows. Vanex is simply curved around obstructions unlike rigid piping materials. Compared to branch and main plumbing systems with rigid piping, a Vanex PEX system uses only about 1/2 of the fittings.

Q What approvals does Vanex PEX have?

Vanex PEX was the first of a very limited number of PEX tubing manufacturers to acquire a third party certification listing with NSF, International for both chlorinated hot and cold potable water plumbing systems and chlorinated recirculating hot water plumbing loops (NSF CL-R/CL-TD). Vanex PEX is also third party listed for potable water plumbing use by: NSF International, IAPMO (International Association of Plumbing and Mechanical Officials), ICBO (International Conference of Building Officials) Evaluation Service and Warnock Hersey. Also, the PEX material used in the manufacture of Vanex Series PEX is listed by PPI (Plastics Pipe Institute) for hydrostatic design basis or the ability of the polymer to carry water at specific stress with a 50 year minimum life expectancy.

Q & A about Vanex® PEX

Q What about code approvals? Is PEX referenced in the plumbing codes?

A Yes. Currently, PEX manufactured to ASTM F876/F877 is listed in the BOCA National Plumbing Code, the BOCA National Mechanical Code, the Standard Plumbing Code (SBCCI), the CABO One and Two Family Dwelling Code and the International Plumbing Code (IPC) for use in plumbing systems as well as many state and local codes. Before installing Vanex PEX, check with your plumbing official for state or local variances from these national codes. Contact Vanguard for an up to date list of approvals.

Q How can I be assured that Vanex PEX will hold up?

A Vanex PEX meets or exceeds all of the industry standards established to ensure quality and reliability. Through independent laboratory testing of hundreds of pipe samples, test data is developed and analyzed to determine that Vanex PEX will perform. Continual monitoring by Vanguard and several third-party test agencies assures consistently high-quality.

Q What do the letters A, B and C mean when used to describe PEX?

A The ABC letter designation system is used in Europe to identify the process by which a particular PEX tubing is cross-linked. It is NOT a grading system, but simply an identification system. PE-Xa is cross-linked with the peroxide method, PE-Xb is cross-linked with the silane method (Vanex is silane method) and PE-Xc is cross-linked by electron beam irradiation.

Q What about the CRIMPSERT® fittings systems?

A The CRIMPSERT fitting system is extremely installation efficient and reliable. The system has a 30 year history of performance in flexible plumbing systems and hundreds of millions of these fittings are in service today. The system is simple to assemble and requires no glues, solders, torches or lubricants.

To make a CRIMPSERT connection, simply:

- 1) Position the crimp ring and insert the fitting into the tubing
- 2) Crimp the ring in place with the correct size crimp tool

Each size takes its own, specially sized crimp tool to ensure consistent, properly made connections. CRIMPSERT is a gaugeable system allowing checking of the crimp connections for proper crimp size.

All CRIMPSERT components and tools meet or exceed the requirements of ASTM standard specification F1807 or F2159. This assures a consistent fit and compatibility with components from other manufacturers also making fittings to F1807 or F2159.

Q Can I use Vanex Series PEX with the MANABLOC® system?

A Yes, Vanex is ideal for MANABLOC installations. The flexibility of PEX allows one continuous length of tubing from the MANABLOC directly to each fixture.

Q Can I use Vanex PEX in Hydronic Heating Systems?

A Yes, Vanex PEX is perfectly suited for hydronic heating loops. An oxygen-barrier version of the tubing and a complete line of heating system components are also available from Vanguard.

Q What is the difference between Vanex and Vanex Ultra PEX?

A Vanex is a single layer of PEX tubing produced using a single extruder while Vanex Ultra is a multi-layer tubing produced with a co-extruded PEX layer. The multi-layer product provides added UV protection thanks to the additional layer of black pigmented PEX on the interior of the pipe. Performance listings, sizing and ratings are otherwise the same for both products. Customers who want the additional UV protection due to storage concerns or possibly climate considerations in their area should choose the Vanex Ultra product.

Note:
X

 **Vanguard**
Piping Systems, Inc.

For more information, contact

Vanguard Piping Systems, Inc.
901 N. Vanguard St.
McPherson, KS 67460

Call 316-241-6369 or 800-775-5039

Fax 800-775-4068

Outside the U.S. Call 888-747-3739

or visit us on the internet at

www.vanguardpipe.com

QUTP26VS 3.05

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Lot 54 - Callaway II**
Address: **Lot: 54, Sub: Callaway II, Plat:**
City, State: **Lake City, FL 32025-**
Owner: **Spec House**
Climate Zone: **North**

Builder: **Chris Mill Homes of FL**
Permitting Office: **Columbia County**
Permit Number: **24837**
Jurisdiction Number: **221000**

1. New construction or existing	New	___	12. Cooling systems		
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 51.0 kBtu/hr	___
3. Number of units, if multi-family	1	___		SEER: 11.00	___
4. Number of Bedrooms	4	___	b. N/A		___
5. Is this a worst case?	No	___	c. N/A		___
6. Conditioned floor area (ft²)	2220 ft²	___			___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems		
a. U-factor:	Description Area	___	a. Electric Heat Pump	Cap: 51.0 kBtu/hr	___
(or Single or Double DEFAULT) 7a. (Dble Default)	396.8 ft²	___		HSPF: 6.80	___
b. SHGC:		___	b. N/A		___
(or Clear or Tint DEFAULT) 7b. (Clear)	396.8 ft²	___	c. N/A		___
8. Floor types		___	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0, 266.0(p) ft	___	a. Electric Resistance	Cap: 50.0 gallons	___
b. N/A		___		EF: 0.90	___
c. N/A		___	b. N/A		___
9. Wall types		___	c. Conservation credits		___
a. Frame, Wood, Exterior	R=13.0, 1677.2 ft²	___	(HR-Heat recovery, Solar		___
b. Frame, Wood, Adjacent	R=13.0, 276.0 ft²	___	DHP-Dedicated heat pump)		___
c. N/A		___	15. HVAC credits	PT, ___	___
d. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,		___
e. N/A		___	HF-Whole house fan,		___
10. Ceiling types		___	PT-Programmable Thermostat,		___
a. Under Attic	R=30.0, 2230.0 ft²	___	MZ-C-Multizone cooling,		___
b. N/A		___	MZ-H-Multizone heating)		___
c. N/A		___			___
11. Ducts(Leak Free)		___			___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	___			___
b. N/A		___			___

Glass/Floor Area: 0.18

Total as-built points: 32461

Total base points: 33708

PASS

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

PREPARED BY: Will Myeas

DATE: 1/30/06

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

OWNER/AGENT: [Signature]

DATE: 2-26-06

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 54, Sub: Callaway II, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Omt Len Hgt			Area X SPM X SOF = Points			
.18	2220.0	20.04	8008.0	Double, Clear	W	1.5	10.0	45.0	38.52	0.98	1697.1
				Double, Clear	N	1.5	8.0	20.0	19.20	0.97	371.4
				Double, Clear	W	10.5	10.0	49.0	38.52	0.52	978.6
				Double, Clear	W	11.7	10.0	60.0	38.52	0.49	1133.7
				Double, Clear	S	12.5	10.0	17.8	35.87	0.49	312.5
				Double, Clear	N	1.5	8.0	45.0	19.20	0.97	835.7
				Double, Clear	E	1.5	8.0	30.0	42.06	0.96	1208.3
				Double, Clear	E	1.5	10.0	60.0	42.06	0.98	2469.0
				Double, Clear	E	1.5	10.0	12.0	42.06	0.98	493.8
				Double, Clear	E	9.0	10.0	40.0	42.06	0.54	913.3
				Double, Clear	S	1.5	8.0	3.0	35.87	0.92	99.3
				Double, Clear	S	1.5	8.0	15.0	35.87	0.92	496.7
				As-Built Total: 396.8 11009.4							
WALL TYPES Area X BSPM = Points				Type		R-Value		Area X SPM = Points			
Adjacent	276.0	0.70	193.2	Frame, Wood, Exterior		13.0		1677.2		1.50	2515.8
Exterior	1677.2	1.70	2851.2	Frame, Wood, Adjacent		13.0		276.0		0.60	165.6
Base Total: 1953.2 3044.4				As-Built Total:		1953.2		2681.4			
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	20.0	1.60	32.0	Adjacent Insulated				20.0		1.60	32.0
Exterior	0.0	0.00	0.0								
Base Total: 20.0 32.0				As-Built Total:		20.0		32.0			
CEILING TYPES Area X BSPM = Points				Type		R-Value		Area X SPM X SCM = Points			
Under Attic	2220.0	1.73	3840.6	Under Attic		30.0		2230.0		1.73 X 1.00	3857.9
Base Total: 2220.0 3840.6				As-Built Total:		2230.0		3857.9			
FLOOR TYPES Area X BSPM = Points				Type		R-Value		Area X SPM = Points			
Slab	266.0(p)	-37.0	-9842.0	Slab-On-Grade Edge Insulation		0.0		266.0(p)		-41.20	-10959.2
Raised	0.0	0.00	0.0								
Base Total: -9842.0				As-Built Total:		266.0		-10959.2			

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 54, Sub: Callaway II, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
2220.0 10.21 22666.2				2220.0 10.21 22666.2			
Summer Base Points: 27749.2				Summer As-Built Points: 29287.7			
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X Duct Multiplier X System Multiplier X Credit Multiplier = Cooling Points
27749.2		0.4266	11837.8	29288	1.00	(1.09 x 1.000 x 1.00)	0.310 0.950 9409.8
				29287.7	1.00	1.090	0.310 0.950 9409.8

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 54, Sub: Callaway II, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ormt Len Hgt		Area X WPM X WOF = Points					
.18	2220.0	12.74	5090.9	Double, Clear	W	1.5	10.0	45.0	20.73	1.01	938.1	
				Double, Clear	N	1.5	8.0	20.0	24.58	1.00	492.0	
				Double, Clear	W	10.5	10.0	49.0	20.73	1.17	1190.6	
				Double, Clear	W	11.7	10.0	60.0	20.73	1.18	1473.7	
				Double, Clear	S	12.5	10.0	17.8	13.30	3.09	730.5	
				Double, Clear	N	1.5	8.0	45.0	24.58	1.00	1107.0	
				Double, Clear	E	1.5	8.0	30.0	18.79	1.02	575.0	
				Double, Clear	E	1.5	10.0	60.0	18.79	1.01	1141.9	
				Double, Clear	E	1.5	10.0	12.0	18.79	1.01	228.4	
				Double, Clear	E	9.0	10.0	40.0	18.79	1.26	945.9	
				Double, Clear	S	1.5	8.0	3.0	13.30	1.04	41.5	
				Double, Clear	S	1.5	8.0	15.0	13.30	1.04	207.7	
				As-Built Total:				396.8		9072.3		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points					
Adjacent	276.0	3.60	993.6	Frame, Wood, Exterior	13.0		1677.2	3.40	5702.5			
Exterior	1677.2	3.70	6205.6	Frame, Wood, Adjacent	13.0		276.0	3.30	910.8			
Base Total: 1953.2 7199.2				As-Built Total:				1953.2		6613.3		
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points							
Adjacent	20.0	8.00	160.0	Adjacent Insulated	20.0 8.00 160.0							
Exterior	0.0	0.00	0.0									
Base Total: 20.0 160.0				As-Built Total:		20.0 160.0						
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points					
Under Attic	2220.0	2.05	4551.0	Under Attic	30.0		2230.0	2.05 X 1.00		4571.5		
Base Total: 2220.0 4551.0				As-Built Total:				2230.0		4571.5		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points					
Slab	266.0(p)	8.9	2367.4	Slab-On-Grade Edge Insulation	0.0		266.0(p)	18.80		5000.8		
Raised	0.0	0.00	0.0									
Base Total: 2367.4				As-Built Total:				266.0		5000.8		

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

ADDRESS: Lot: 54, Sub: Callaway II, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT					
INFILTRATION Area X BWPM = Points				Area X WPM = Points					
2220.0 -0.59 -1309.8				2220.0 -0.59 -1309.8					
Winter Base Points: 18058.7				Winter As-Built Points: 24108.1					
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)					
				(sys 1: Electric Heat Pump 51000 btuh , EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
				24108.1 1.000 (1.069 x 1.000 x 1.00) 0.501 0.950 12277.5					
18058.7 0.6274 11330.1				24108.1 1.00 1.069 0.501 0.950 12277.5					

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 54, Sub: Callaway II, Plat: , Lake City, FL, 32025-

PERMIT #:

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

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	Cooling	+	Heating	+	Hot Water
Points		Points		Points	Points		Points		Points
=				Total	=				Total
Points				Points	Points				Points
11838		11330		10540	9410		12277		10774
				33708					32461

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 54, Sub: Callaway II, Plat: , Lake City, FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.9

The higher the score, the more efficient the home.

Spec House, Lot: 54, Sub: Callaway II, Plat: , Lake City, FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 51.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2220 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 51.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 396.8 ft ²		HSPF: 6.80
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 396.8 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 266.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1677.2 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 276.0 ft ²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2230.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. N/A			

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.1)

Energy Code Compliance

Duct System Performance Report

Project Name: Lot 54 - Callaway II Address: City, State: Lake City, FL 32025- Owner: Spec House Climate Zone: North	Builder: Permitting Office: Chris Mill Homes of FL Permit Number: Columbia County Jurisdiction Number:
--	---

Total Duct System Leakage Test Results

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

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

Signature: _____
Printed Name: _____
Florida Rater Certification #: _____
DATE: _____

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



BUILDING OFFICIAL: _____
DATE: _____

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 05-876
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:2005000135 Date:01/04/2006 Time:15:24

Doc Stamp-Deed : 630.00

mk DC, P. DeWitt Cason, Columbia County B:1070 P:476

Property Appraiser's
Identification Number R03023-253/R03023-254/R03023-255

WARRANTY DEED

THIS INDENTURE, made this 3rd day of January, 2006, BETWEEN DANIEL CRAPPS, as Trustee under Trust Agreement dated January 14, 1996, known as CALLAWAY LAND TRUST, whose post office address is 2806 W. US Highway 90, Suite 101, Lake City, FL 32055, of the County of Columbia, State of Florida, grantor*, and CHRISMILL HOMES OF FLORIDA, LLC, A Florida Limited Liability Company, whose Document Number is L05000119095, and whose post office address is 426 S.W. Commerce Blvd., Lake City, FL 32024, of the County of Columbia, State of Florida, grantee*.

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

Lots 53, 54 and 55, CALLAWAY PHASE TWO, a subdivision according to the plat thereof as recorded in Plat Book 7, Pages 70-71 of the public records of Columbia County, Florida.

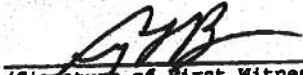
SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

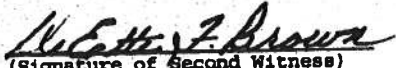
and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

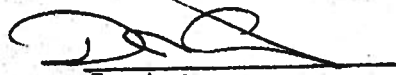
*"Grantor" and "grantee" are used for singular or plural, as context requires.

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

Signed, sealed and delivered
in our presence:


(Signature of First Witness)
Crystal L. Brunner
(Typed Name of First Witness)

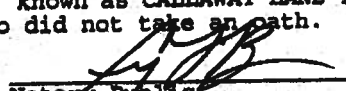

(Signature of Second Witness)
DeRette F. Brown
(Typed Name of Second Witness)

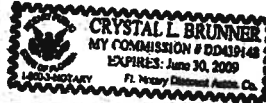
 (SEAL)
Grantor
DANIEL CRAPPS, as Trustee
Printed Name

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 3rd day of January, 2006, by DANIEL CRAPPS, as Trustee under Trust Agreement dated January 14, 1996, known as CALLAWAY LAND TRUST who is personally known to me and who did not take an oath.

My Commission Expires:


Notary Public
Printed, typed, or stamped name:



Inst:2006000135 Date:01/04/2006 Time:15:24
Doc Stamp-Deed : 630.00
DC, P. DeWitt Cason, Columbia County B:1070 P:477

Letter of authorization.txt

Notice of Authorization

I Michael Miller, do hereby authorize
Linda or Melanie Roder

to be my representative and act on my behalf in all aspects of
applying for a Septic and building

Septic & building permit to be located in
Columbia county.

The name of the home owner
is Chris Mills Homes.

Legal description Lots 53, 54, 55 Callaway

Michael L. Nohr
Contractor's signature

3-17-06
Date

Sworn and subscribed before me this 17 day
of March, 2004.

Stacy Hall
Notary Public, Lowndes County, Georgia
My Commission Expires Aug. 29, 2009



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

**ISSUE No PERMIT PER PLAT, FAX NO INFO UNTIL APPROVED BY BRIAN
KEPNER and DALE WILLIAMS**

Reference to a building permit application Number: **0604-98**

Michael Miller Contractor, Owner of lot 54 Callaway Subdivision Phase II

On the date of May 3, 2006 application 0604-98 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 0604-98 when making
reference to this application.**

1. The attic access pull down stairs door shall meet the same requirements as the entry door from the garage to the habitable living area of the structure per the FRC-2004 sections R309.2 Separation required.

Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or

honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors.

2. The electrical plan shows the location of the electrical service. A overcurrent protection device 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.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

☒	☐
☒	☐
☒	☐
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Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accessable 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 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing 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
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termiteicide 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)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
 - a. Vapor 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 entrances (overhead or underground)
- f) Appliances and HVAC equipment

HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)**Gas System Type (LP or Natural) Location and BTU demand of equipment****Disclosure Statement for Owner Builders****Notice Of Commencement****Private Potable Water**

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

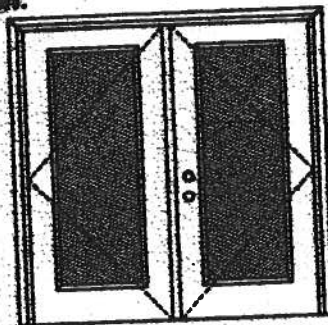


XX
Glazed Outswing Unit

COP-WL-JHA162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Double Door
Maximum unit size - 6'6" x 6'6"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



132, 136 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 RA, 23 RA, 34 RA Series*



107 Series*



108 Series



304 Series

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

Johnson
Entry Systems

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

PREMDOR®
Premium Quality Doors



Exclusively from

Masonite®
Masonite International Corporation

XX

Glazed Outswing Unit

COP-WL JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

404 Series



416 Series



450 Series

FULL GLASS:

100 Series



114, 120, 122 Series



162 Series



140 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip like surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L Balthaz

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

Johnson
Entry Systems

March 29, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR
Premium Quality Doors



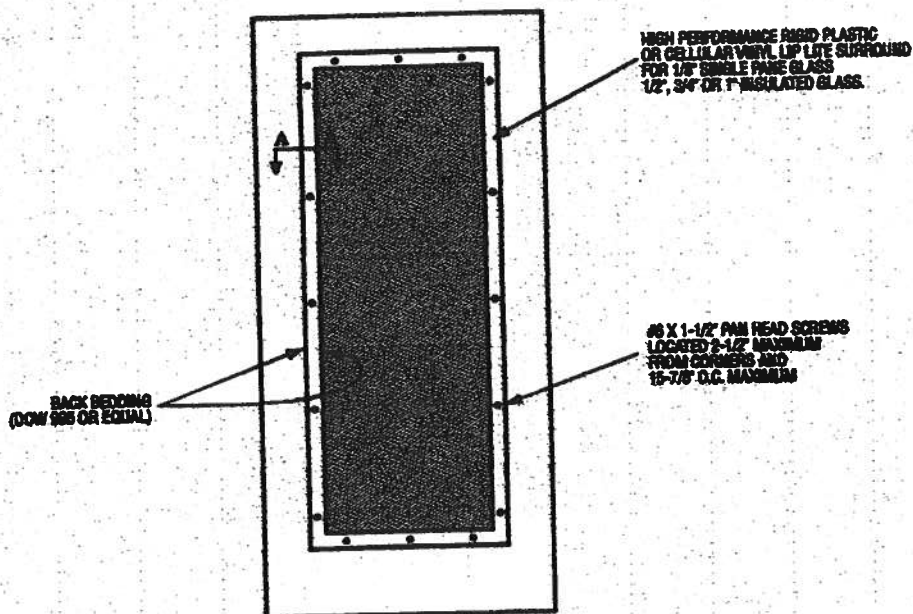
Exclusively from

Masonite

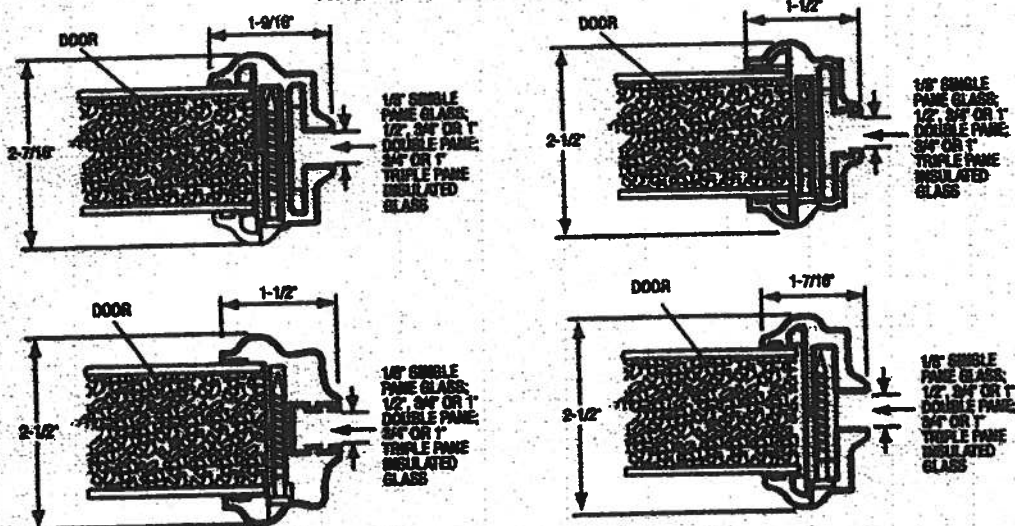
Masonite International Corporation

MAD WL MAC041-02

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



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

PREMIER Collection
Proven Quality Doors



Exclusively from

Masonite

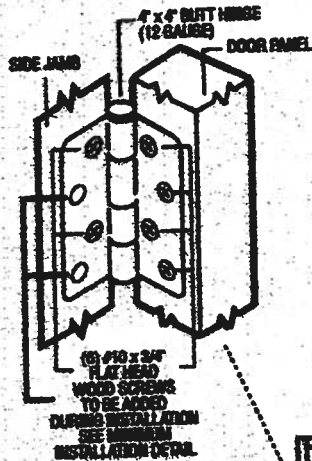
Masonite International Corporation

XX
Unit

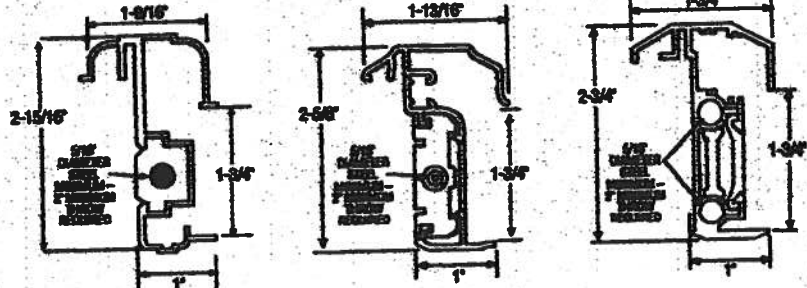
MAD-WL MAD012-02

OUTSWING UNITS WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT

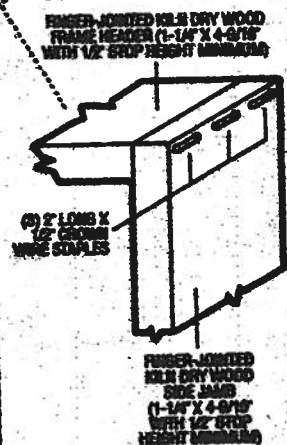


TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ASTRAGAL (0.05\"/>

TYPICAL HEADER & SIDE JAMB ATTACHMENT

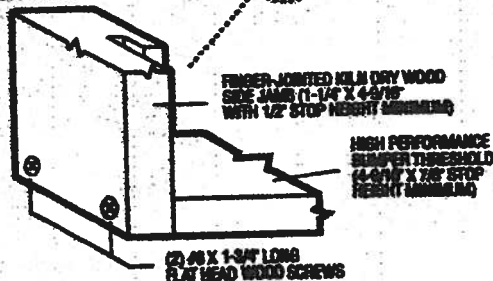


(2) FOR 7'0\"/>

(2) 2\"/>

FINGER-JOINTED
KILN DRY WOOD
SIDE JAMB
(1-1/4\"/>

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



HIGH PERFORMANCE
SWEEP THRESHOLD
(4-5/8\"/>

(2) #6 X 1-3/4\"/>

March 29, 2002
Our continuing program of product improvement relies upon qualified
design and product detail subject to change without notice.

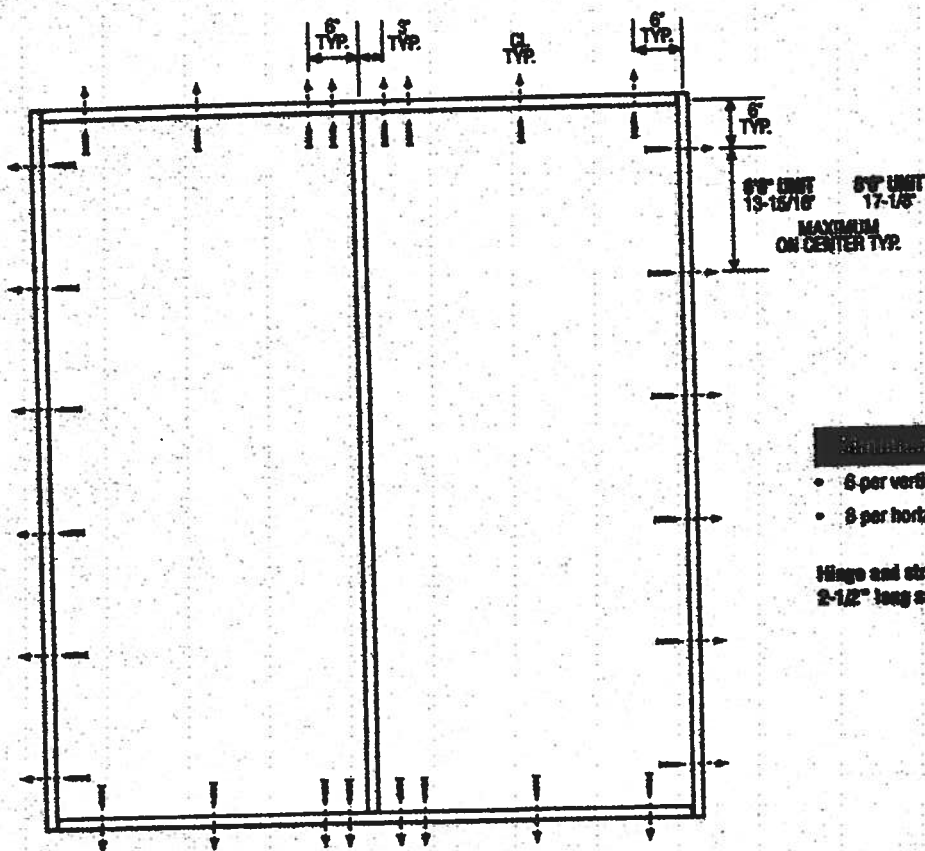
PREMIERE Collection
Premium Quality Doors

Exclusively from
Masonite
Masonite International Corporation

XX
Unit

MID-WL-MAN002-02

DOUBLE DOOR



Minimum Fastener Counts

- 6 per vertical framing member
- 8 per horizontal framing member

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

Latching Hardware:

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

Notes:

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

March 29, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PRENDON Collection
Premium Quality Doors



Exclusively from

Masonite

Masonite International Corporation



FEB - 4 REC'D

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.

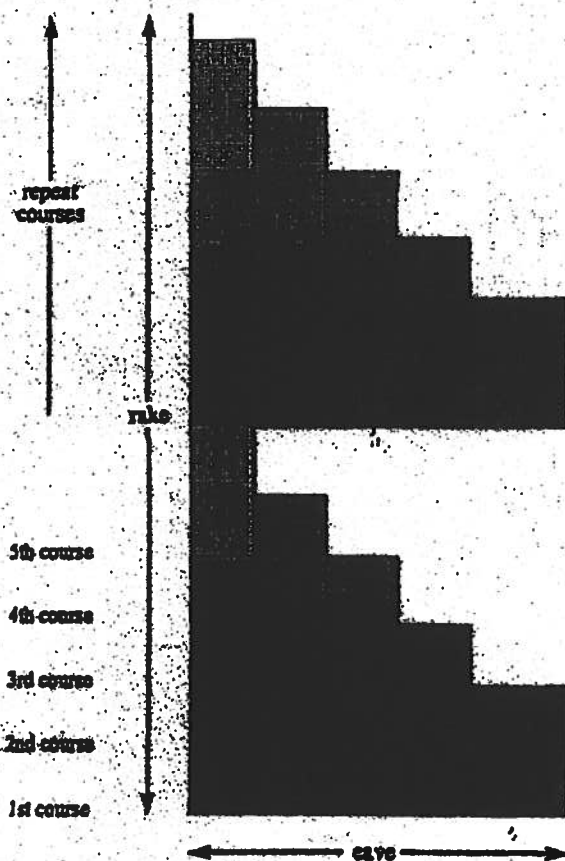
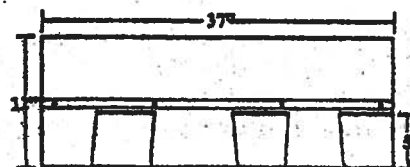
TAMKO Roofing Products, Inc.

CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-941-1925



Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.



Application Instructions for

- Glass-Seal
 - Glass-Seal AR
 - Elite Glass-Seal®
 - Elite Glass-Seal® AR
- THREE-TAB ASPHALT SHINGLES**

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER. IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and ridges.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thick and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be at 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement
3. Rotting of wood members
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.

FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.

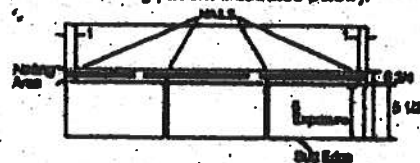
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

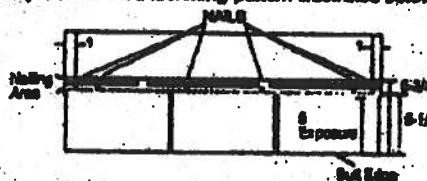
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagrams and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

- 1) **Standard Fastening Pattern.** (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below.)



- 2) **Mansard or High Wind Fastening Pattern.** (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

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Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2886
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8888

0791

TAMKO

ROOFING PRODUCTS

(CONTINUED from Pg. 2)

• Glass-Seal
• Glass-Seal AR

• Elite Glass-Seal®
• Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Standard Fastening Pattern.

5. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and re-fasten in a new location. Remove all drip edge metal and replace with new.

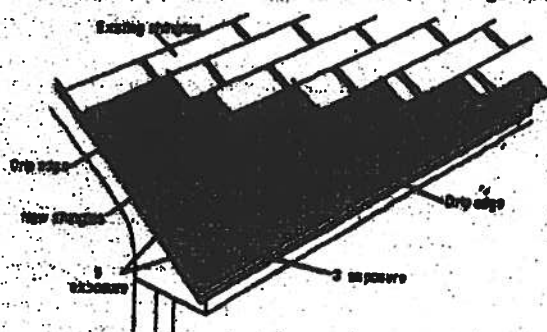
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nailing pattern described below is the preferred method for re-roofing over square tab shingles with a 5 in. exposure.

Starter Courses: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the



rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingles used in the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

6. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50 lb. roll roofing in the valley. Nail the full only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

Note: For a nester installation, snap a chalkline over the shingles for guidance.

- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

CAUTION:
Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering in this product.

TAMKO assumes no responsibility for blistering.



(Continued)

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5300 East 43rd Ave., Denver, CO 80218

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800-388-2086
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800-443-1834
800-630-8868

07/01



(CONTINUED from Pg. 3)

• Glass-Seal
• Glass-Seal AR

• Elite-Glass-Seal®
• Elite-Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

18. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing wind. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

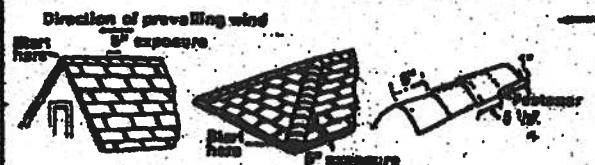
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite-Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite-Glass-Seal AR shingles.

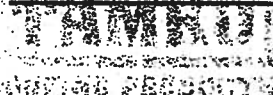
Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHEN SEND-ING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.



IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper; or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

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07/01

I

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

Rendered to:

MI HOME PRODUCTS, INC.

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

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+43.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

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

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:nib


1 APRIL 2002



II

Architectural Testing

AAMA/NWWDA 101/LS-2-97 TEST REPORT

Rendered to

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

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

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

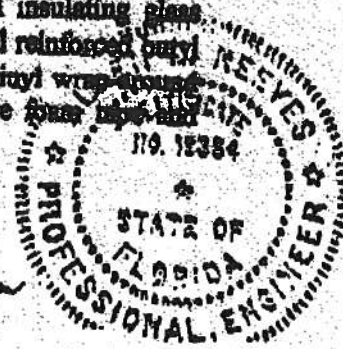
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 3/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

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

Allen M. Raman
1 APRIL 2002



III

Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

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

Allen N. Reeves
1 APRIL 2002



IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/LS-2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" 0.43"	0.26" max. 0.26" max.

*Exceeds L/175 for deflection, but passes all other test requirements.

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

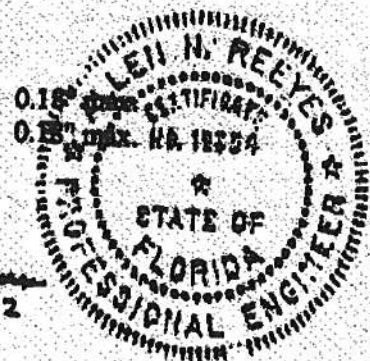
Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"	0.26" max.
	@ 47.2 psf (negative)	0.46"	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

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

Allen N. Reeves
1 APRIL 2002



VI

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:



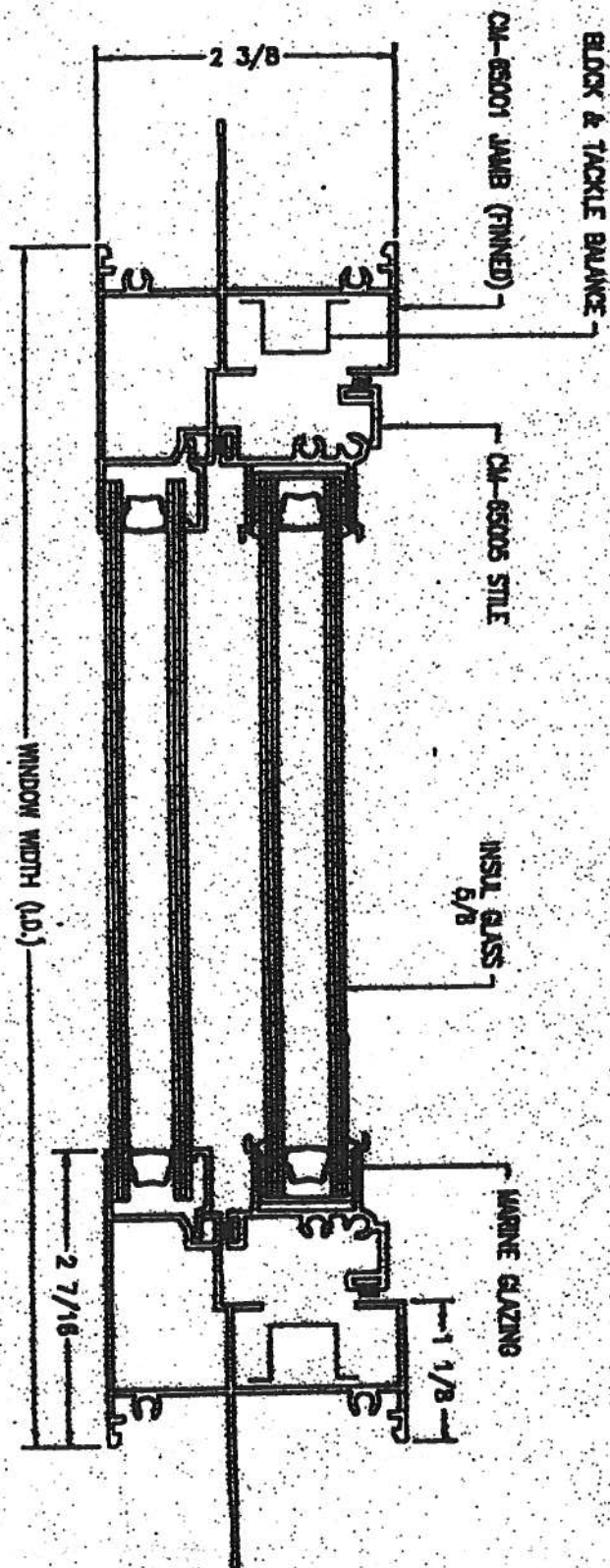
Mark A. Hess
Technician

MAH:nlb
01-41134.01



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

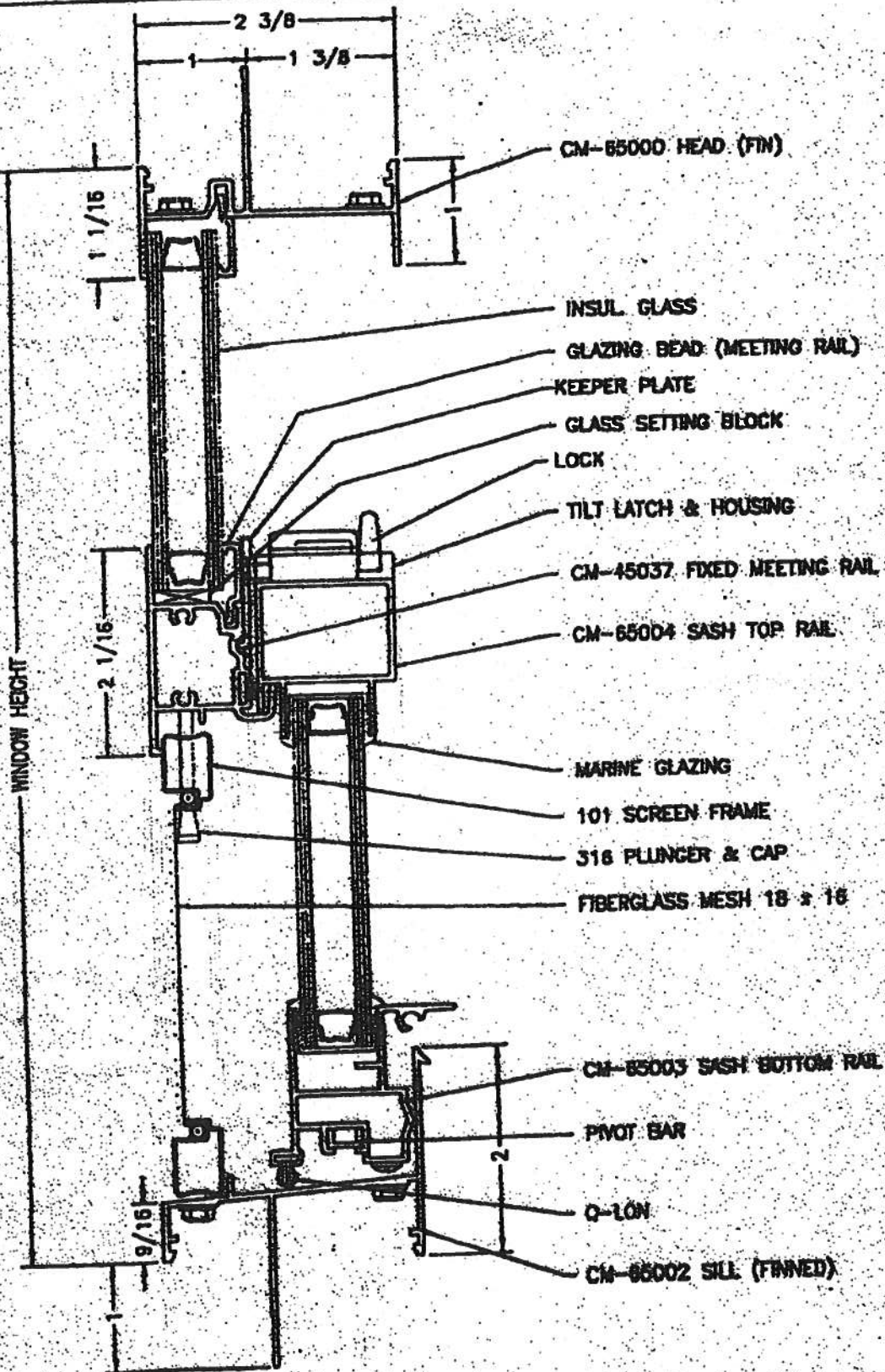




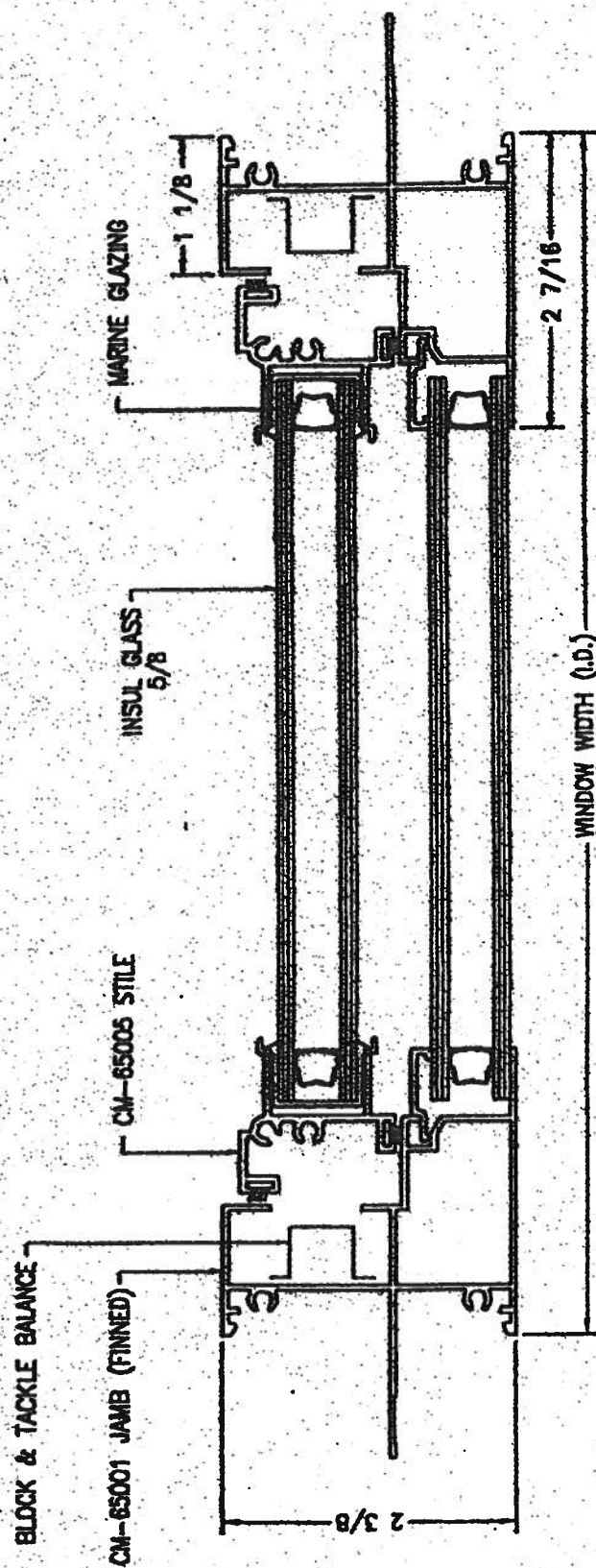
MI HOME PRODUCTS 650 SQ. FT. MARINE SERIES - GLASS, FR. & 1700-0370									
850 SQ. FT. MAIN FRAME - INSULATED GLASS HORIZONTAL CROSS SECTION									
DATE	4-7-02	BY	FWL	SCALE	1/2" = 1'-0"	850-AS2			

650-AS2 B

650-AS1 A



MI HOME PRODUCTS			
650 WEST MARKET STREET - CHRYZ, PA - 17030-0370			
TITLE 650 SH FIN MAIN FRAME VERTICAL CROSS SECTION			
DATE	BY	CHKD	APP'D
4-7-82	Y.M.R.	FULL	650-AS1 A



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850 WEST MARKET STREET • CRATZ, PA • 17000-0370

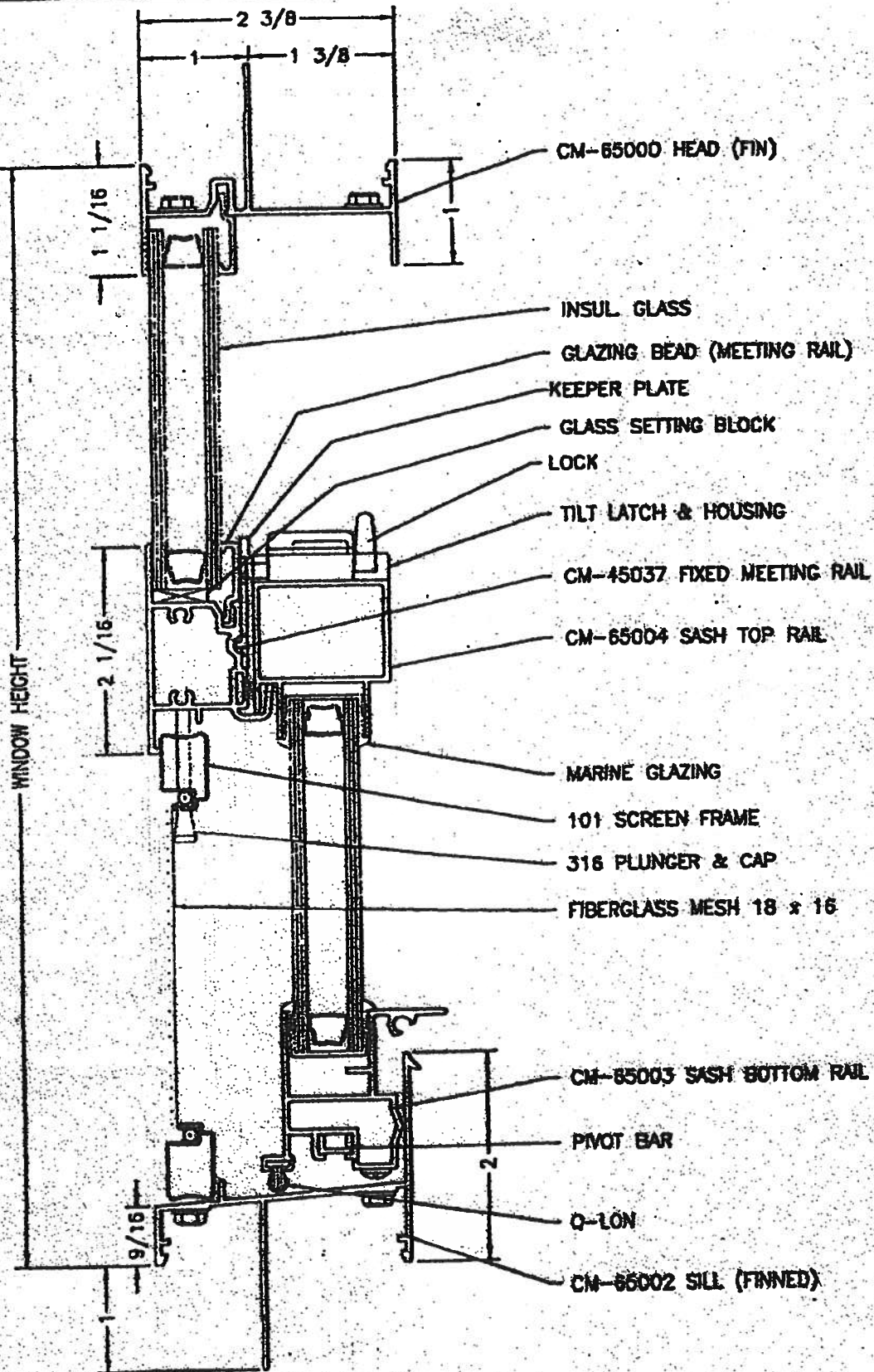
850 SH FIN MAIN FRAME INSULATED
GLASS HORIZONTAL CROSS SECTION

650-AS2

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1953

100	100
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650-AS1
A**MI HOME PRODUCTS**

650 WEST MARKET STREET • CHAZ, PA • 17030-0370

TITLE

650 SH FIN MAIN FRAME
VERTICAL CROSS SECTIONDATE
Y.M.R.

4-7-82

SCALE
FULL

DRAWN BY

650-AS1

A

Residential System Sizing Calculation

Summary

Spec House

Project Title:
Lot 54 - Callaway II

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

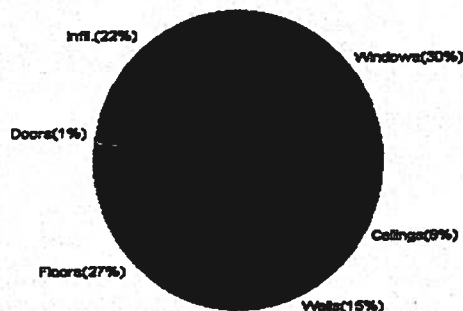
1/30/2006

Location for weather data: Gainesville - User customized: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (79F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	24 F
Total heating load calculation	43280 Btuh	Total cooling load calculation	54028 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.8 51000	Sensible (SHR = 0.75)	85.3 38250
Heat Pump + Auxiliary(0.0kW)	117.8 51000	Latent	139.0 12750
		Total (Electric Heat Pump)	94.4 51000

WINTER CALCULATIONS

Winter Heating Load (for 2220 sqft)

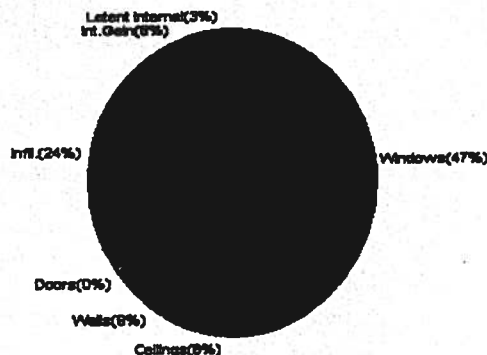
Load component		Load	
Window total	397 sqft	12773	Btuh
Wall total	1953 sqft	6414	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	2230 sqft	2628	Btuh
Floor total	266 sqft	11614	Btuh
Infiltration	237 cfm	9592	Btuh
Duct loss		0	Btuh
Subtotal		43280	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		43280	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2220 sqft)

Load component		Load	
Window total	397 sqft	25608	Btuh
Wall total	1953 sqft	5128	Btuh
Door total	20 sqft	245	Btuh
Ceiling total	2230 sqft	4190	Btuh
Floor total		0	Btuh
Infiltration	207 cfm	5444	Btuh
Internal gain		4240	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		44856	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		7572	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1600	Btuh
Total latent gain		9172	Btuh
TOTAL HEAT GAIN		54028	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: Will Myers

DATE: 1/30/06

EnergyGauge® FLRCPB v4.1

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
Lot 54 - Callaway II

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Winter Temperature Difference: 37.0 F

1/30/2006

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	45.0		32.2	1449 Btuh
2	2, Clear, Metal, 0.87	N	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	W	49.0		32.2	1577 Btuh
4	2, Clear, Metal, 0.87	W	60.0		32.2	1931 Btuh
5	2, Clear, Metal, 0.87	S	17.8		32.2	573 Btuh
6	2, Clear, Metal, 0.87	N	45.0		32.2	1449 Btuh
7	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
8	2, Clear, Metal, 0.87	E	60.0		32.2	1931 Btuh
9	2, Clear, Metal, 0.87	E	12.0		32.2	386 Btuh
10	2, Clear, Metal, 0.87	E	40.0		32.2	1288 Btuh
11	2, Clear, Metal, 0.87	S	3.0		32.2	97 Btuh
12	2, Clear, Metal, 0.87	S	15.0		32.2	483 Btuh
Window Total			397(sqft)			12773 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1677		3.3	5508 Btuh
2	Frame - Wood - Adj(0.09)	13.0	276		3.3	906 Btuh
Wall Total			1953			6414 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
Door Total			20			259Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2230		1.2	2628 Btuh
Ceiling Total			2230			2628Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	266.0 ft(p)		43.7	11614 Btuh
Floor Total			266			11614 Btuh
Zone Envelope Subtotal:						33688 Btuh
Infiltration	Type	ACH	Zone Volume		CFM=	
	Natural	0.80	17760		236.8	9592 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					43280 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Lot 54 - Callaway II

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

1/30/2006



	Subtotal Sensible Ventilation Sensible Total Btuh Loss	43280 Btuh 0 Btuh 43280 Btuh
--	--	------------------------------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:
Lot 54 - Callaway II

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Winter Temperature Difference: 37.0 F

1/30/2006

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	45.0		32.2	1449 Btuh
2	2, Clear, Metal, 0.87	N	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	W	49.0		32.2	1577 Btuh
4	2, Clear, Metal, 0.87	W	60.0		32.2	1931 Btuh
5	2, Clear, Metal, 0.87	S	17.8		32.2	573 Btuh
6	2, Clear, Metal, 0.87	N	45.0		32.2	1449 Btuh
7	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
8	2, Clear, Metal, 0.87	E	60.0		32.2	1931 Btuh
9	2, Clear, Metal, 0.87	E	12.0		32.2	386 Btuh
10	2, Clear, Metal, 0.87	E	40.0		32.2	1288 Btuh
11	2, Clear, Metal, 0.87	S	3.0		32.2	97 Btuh
12	2, Clear, Metal, 0.87	S	15.0		32.2	483 Btuh
Window Total			397(sqft)			12773 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1677		3.3	5508 Btuh
2	Frame - Wood - Adj(0.09)	13.0	276		3.3	906 Btuh
Wall Total			1953			6414 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
Door Total			20			259 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2230		1.2	2628 Btuh
Ceiling Total			2230			2628 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	266.0 ft(p)		43.7	11614 Btuh
Floor Total			266			11614 Btuh
Zone Envelope Subtotal:						33688 Btuh
Infiltration	Type	ACH	Zone Volume		CFM=	
	Natural	0.80	17760		236.8	9592 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					43280 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Lot 54 - Callaway II

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

1/30/2006

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	43280 Btuh 0 Btuh 43280 Btuh
--	--	------------------------------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:
Lot 54 - Callaway II

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 1/30/2006

Type*		Omt	Overhang		Window Area(sqft)			HTM		Load		
Window	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	45.0	0.0	45.0	35	86	3852	Btuh	
2	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	20.0	0.0	20.0	35	35	701	Btuh	
3	2, Clear, 0.87, None,N,N	W	10.5f	10ft.	49.0	40.0	9.0	35	86	2172	Btuh	
4	2, Clear, 0.87, None,N,N	W	11.6	10ft.	60.0	57.1	2.9	35	86	2247	Btuh	
5	2, Clear, 0.87, None,N,N	S	12.5f	10ft.	17.8	17.8	0.0	35	40	624	Btuh	
6	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	45.0	0.0	45.0	35	35	1577	Btuh	
7	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	35	86	2568	Btuh	
8	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	60.0	0.0	60.0	35	86	5136	Btuh	
9	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	12.0	0.0	12.0	35	86	1027	Btuh	
10	2, Clear, 0.87, None,N,N	E	9ft.	10ft.	40.0	24.8	15.2	35	86	2169	Btuh	
11	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	3.0	3.0	0.0	35	40	105	Btuh	
12	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	35	40	526	Btuh	
Excursion										2902	Btuh	
Window Total					397 (sqft)					25608 Btuh		
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load				
1	Frame - Wood - Ext	13.0/0.09		1677.2		2.7		4540 Btuh				
2	Frame - Wood - Adj	13.0/0.09		276.0		2.1		588 Btuh				
Wall Total				1953 (sqft)				5128 Btuh				
Doors	Type	R-Value		Area (sqft)		HTM		Load				
1	Insulated - Adjacent			20.0		12.3		245 Btuh				
Door Total				20 (sqft)				245 Btuh				
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load				
1	Vented Attic/DarkShingle	30.0		2230.0		1.9		4190 Btuh				
Ceiling Total				2230 (sqft)				4190 Btuh				
Floors	Type	R-Value		Size		HTM		Load				
1	Slab On Grade	0.0		266 (ft(p))		0.0		0 Btuh				
Floor Total				266.0 (sqft)				0 Btuh				
Zone Envelope Subtotal:										35172 Btuh		
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load				
	SensibleNatural	0.70		17760		207.2		5444 Btuh				
Internal gain		Occupants		Btuh/occupant		Appliance		Load				
		8		X 230 +		2400		4240 Btuh				
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
Sensible Zone Load										44856 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Lot 54 - Callaway II

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

1/30/2006

Whole House Totals for Cooling	Sensible Envelope Load All Zones	44856 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	44856 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	44856 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7572 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	9172 Btuh
	TOTAL GAIN	54028 Btuh

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:
Lot 54 - Callaway II

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 1/30/2006

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	45.0	0.0	45.0	35	86	3852	Btuh	
2	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	20.0	0.0	20.0	35	35	701	Btuh	
3	2, Clear, 0.87, None,N,N	W	10.5f	10ft.	49.0	40.0	9.0	35	86	2172	Btuh	
4	2, Clear, 0.87, None,N,N	W	11.6	10ft.	60.0	57.1	2.9	35	86	2247	Btuh	
5	2, Clear, 0.87, None,N,N	S	12.5f	10ft.	17.8	17.8	0.0	35	40	624	Btuh	
6	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	45.0	0.0	45.0	35	35	1577	Btuh	
7	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	35	86	2568	Btuh	
8	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	60.0	0.0	60.0	35	86	5136	Btuh	
9	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	12.0	0.0	12.0	35	86	1027	Btuh	
10	2, Clear, 0.87, None,N,N	E	9ft.	10ft.	40.0	24.8	15.2	35	86	2169	Btuh	
11	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	3.0	3.0	0.0	35	40	105	Btuh	
12	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	35	40	526	Btuh	
	Excursion									2902	Btuh	
	Window Total				397 (sqft)					25608 Btuh		
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		1677.2			2.7		4540 Btuh		
2	Frame - Wood - Adj		13.0/0.09		276.0			2.1		588 Btuh		
	Wall Total				1953 (sqft)					5128 Btuh		
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Adjacent				20.0			12.3		245 Btuh		
	Door Total				20 (sqft)					245 Btuh		
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle		30.0		2230.0			1.9		4190 Btuh		
	Ceiling Total				2230 (sqft)					4190 Btuh		
Floors	Type		R-Value		Size			HTM		Load		
1	Slab On Grade		0.0		266 (ft(p))			0.0		0 Btuh		
	Floor Total				266.0 (sqft)					0 Btuh		
			Zone Envelope Subtotal:								35172 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load		
	SensibleNatural		0.70		17760			207.2		5444 Btuh		
Internal gain			Occupants		Btuh/occupant			Appliance		Load		
			8		X 230 +			2400		4240 Btuh		
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
			Sensible Zone Load								44856 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Lot 54 - Callaway II

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

1/30/2006

Whole House Totals for Cooling	Sensible Envelope Load All Zones	44856 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	44856 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	44856 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7572 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	9172 Btuh
	TOTAL GAIN	54028 Btuh

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



For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Project Title:
Lot 54 - Callaway II

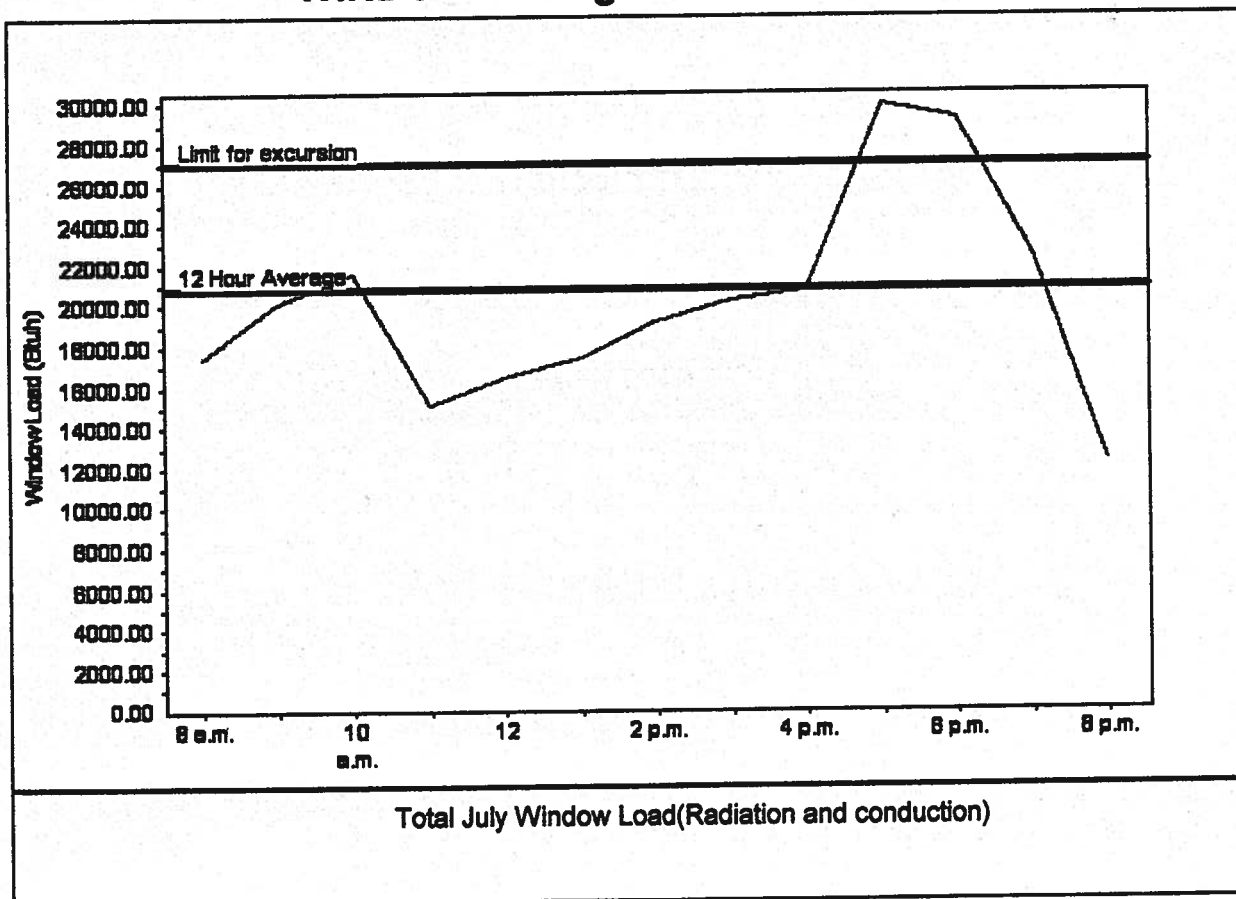
Code Only
Professional Version
Climate: North

Lake City, FL 32025-

1/30/2006

Summer design temperature	99 F	Average window load for July	20819 Btu
Summer setpoint	75 F	Peak window load for July	29966 Btu
Summer temperature difference	24 F	Excursion limit(130% of Ave.)	27064 Btu
Latitude	29 North	Window excursion (July)	2902 Btuh

WINDOW Average and Peak Loads



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

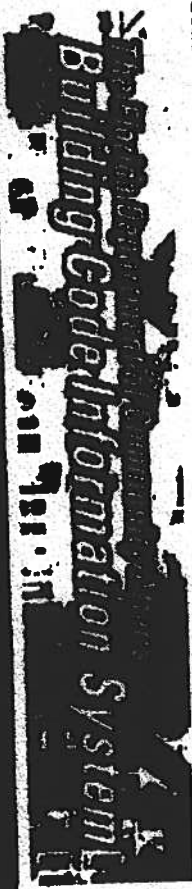
EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.1





FLORIDA BUILDING CODE

☐ Overview ☐ User Registration ☐ Organization Registration ☐ User Application ☐ Organization Search ☐ Organization Accreditation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approved Status: (All)

Organization Name: General American Door - Product Manufacturer

Cancel

Search

Result List for Organizations

Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expiry	Status
General American Door	Montgomery	James Campbell	6808591000	Product Manufacturer	01/01/2009	Approved
Org Code: PTM	System ID: 3365	also look: www.gadco.com				

Displaying 1-1 of 1

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http://www.floridabuilding.org/Customer_org_reg_SRCH.asp

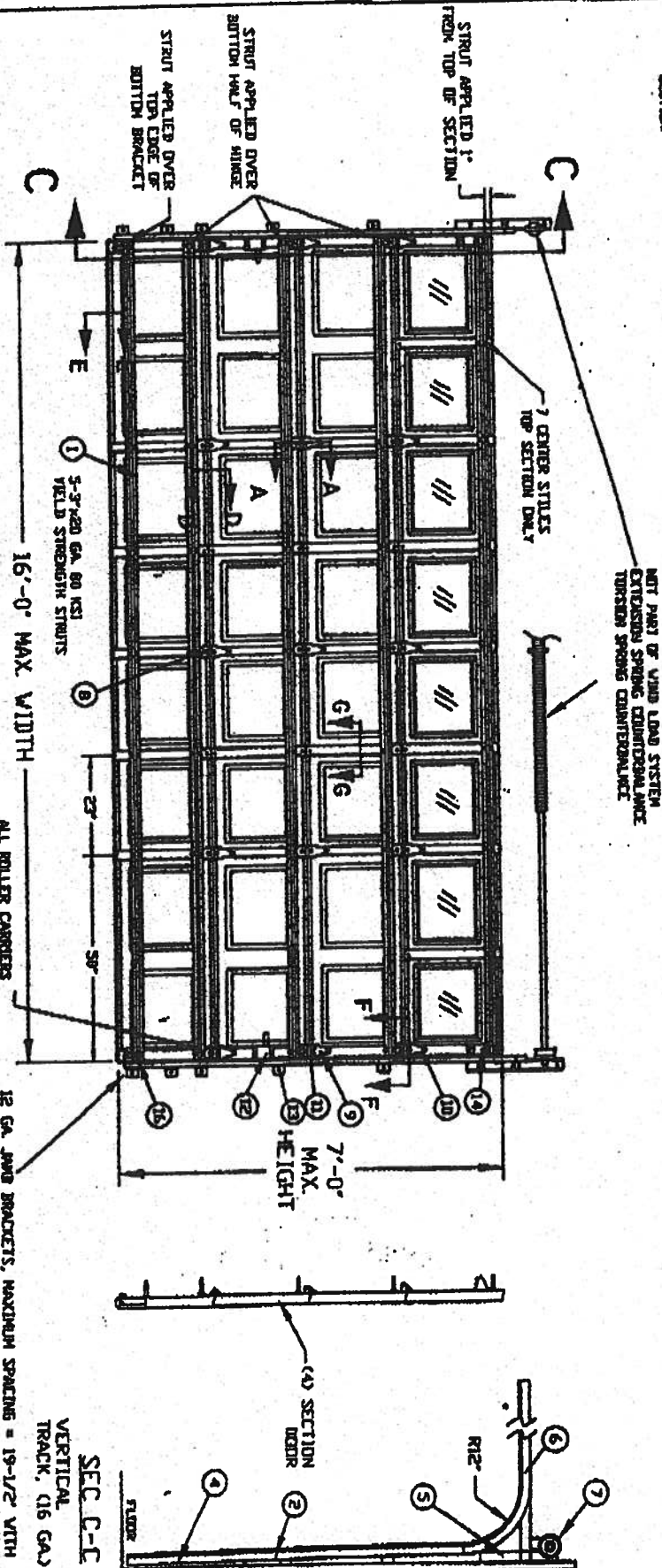
6/21/2004

10/1

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- NOTES:**
1. TESTED TO POSITIVE AND NEGATIVE 20 PSF SECTION AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
 2. MAXIMUM SECTION HEIGHT: 21'
 3. SECTION HEIGHTS OF 21' AND 19.5' ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
 4. VARIOUS MAY BE INSTALLED IN THE TOP SECTION OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
 5. MAXIMUM LENGTH OF ROLLER STEEL IS 54' 0" AS TESTED
 6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SCHEDULE
 7. STRUTS SECURED AT ALL LOCATIONS WITH TIE SCREWS.
 8. QUANTITY OF TIE LINES CAN BE Q.L. OR AS TESTED.
 9. DROP IN TYPE OF INSULATION IS OPTIONAL.



INSIDE ELEVATION

TEST REPORTS ON FILE [VIBRO 10/19/00] 0067330

DESIGN LOAD +200 PSF & -200 PSF
TEST LOAD +300 PSF & -300 PSF

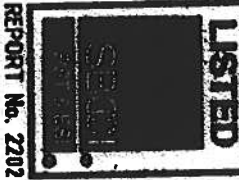
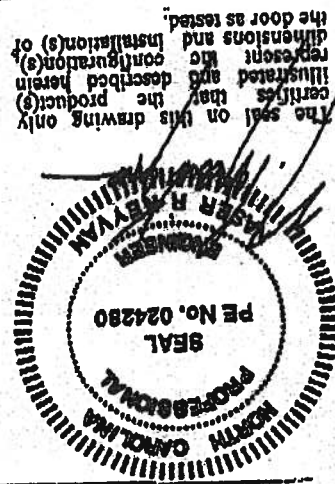


GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

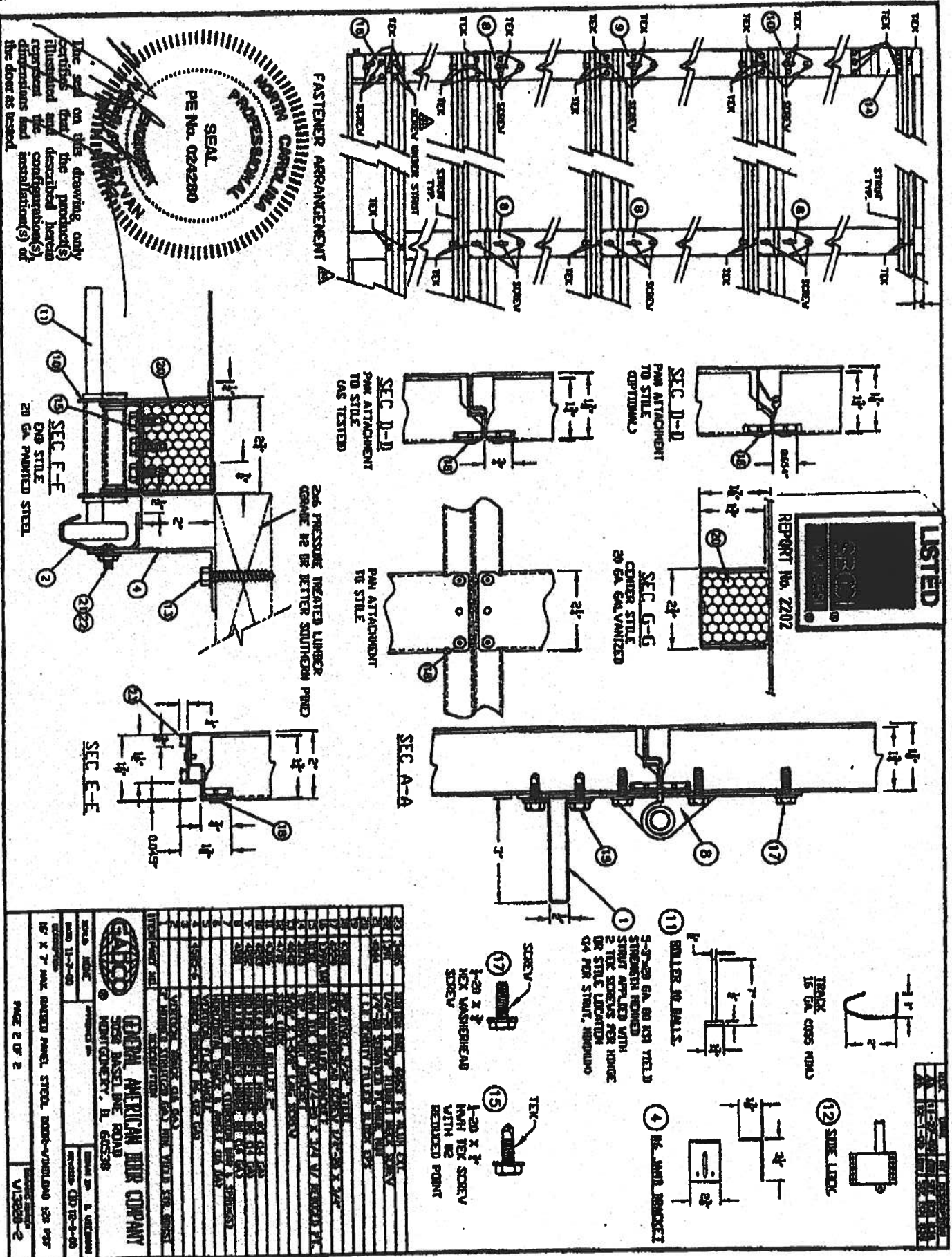
GADED DOORS
SERIES 7400, EXTERIOR STEEL - 1017 MAX LVS TESTED
SERIES 7825, EXTERIOR STEEL - 1017 MAX LVS
SERIES 7824, EXTERIOR STEEL - 1017 MAX LVS
TESTED WITH VARIOUS

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL LITE STYLE	STRUTS 80 KSI	VERTICAL TRACK
16'	7'	23"	3"	5
				2 IN.

DOOR SIZE	APPROVED BY	REVISIONS
16' X 7' MAX. RAISED PANEL STEEL DOOR - VIBROLOAD 200 PSF		
PAGE 1 OF 2		



REPORT NO. 2202



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



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

ChrisMill Homes Spec House Callaway Subdivision Lot #54 Lake City, FL 32055

Address of Treatment or Lot/Block of Treatment

soil barrier spray

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

Permit# 24837

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

A handwritten signature in dark ink, appearing to read "Dan Jones", is written over a horizontal line.

Authorized Signature

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 567

Florida Certificate of Product Approval # FL1999

Page 1 of 1 Document ID:1SVX215-Z0630074029

Truss Fabricator: W.B. Howland

Job Identification: 3340-/Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL

Truss Count: 61

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 the seal date per section 61G15-31.003(5a) of the FAC

Address:

Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Details: A11015EE-GBLLETIN-BRCLBSUB-CNBRGBLK-

Seal Date: 03/30/2006

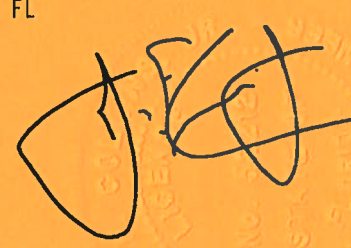
-Truss Design Engineer-

James F. Collins Jr.

Florida License Number: 52212

1950 Marley Drive

Haines City, FL 33844



#	Ref	Description	Drawing#	Date
1	53480--A1GE		06089027	03/30/06
2	53481--A2		06089001	03/30/06
3	53482--A3		06089028	03/30/06
4	53483--A4		06089029	03/30/06
5	53484--A5		06089030	03/30/06
6	53485--A6HG		06089031	03/30/06
7	53486--A7		06089002	03/30/06
8	53487--A8		06089003	03/30/06
9	53488--A9		06089004	03/30/06
10	53489--A10		06089005	03/30/06
11	53490--A11		06089006	03/30/06
12	53491--A12		06089007	03/30/06
13	53492--A13G (2-PLY)		06089032	03/30/06
14	53493--B1GE		06089033	03/30/06
15	53494--B2		06089008	03/30/06
16	53495--B3		06089009	03/30/06
17	53496--C1GE		06089034	03/30/06
18	53497--C2		06089010	03/30/06
19	53498--C3G (2-PLY)		06089035	03/30/06
20	53499--D1HG		06089036	03/30/06
21	53500--D2G (2-PLY)		06089037	03/30/06
22	53501--E1HG (2-PLY)		06089038	03/30/06
23	53502--E2		06089011	03/30/06
24	53503--E3		06089012	03/30/06
25	53504--E4		06089013	03/30/06
26	53505--E5		06089014	03/30/06
27	53506--E6		06089039	03/30/06
28	53507--E7		06089040	03/30/06
29	53508--E8		06089015	03/30/06
30	53509--E9		06089016	03/30/06
31	53510--E10		06089041	03/30/06
32	53511--E11		06089042	03/30/06
33	53512--E12		06089043	03/30/06
34	53513--E13		06089044	03/30/06
35	53514--E14		06089045	03/30/06
36	53515--E15		06089046	03/30/06

#	Ref	Description	Drawing#	Date
37	53516--E16		06089047	03/30/06
38	53517--E17		06089048	03/30/06
39	53518--E18		06089049	03/30/06
40	53519--E19		06089050	03/30/06
41	53520--E20		06089051	03/30/06
42	53521--E21HG (2-PLY)		06089052	03/30/06
43	53522--JC1		06089053	03/30/06
44	53523--JC2		06089017	03/30/06
45	53524--JC3		06089018	03/30/06
46	53525--JC5		06089019	03/30/06
47	53526--JE3		06089020	03/30/06
48	53527--JE4		06089021	03/30/06
49	53528--JE6		06089022	03/30/06
50	53529--JE7		06089023	03/30/06
51	53530--JE7A		06089024	03/30/06
52	53531--JE7B		06089025	03/30/06
53	53532--JE7C		06089026	03/30/06
54	53533--JE7G (2-PLY)		06089054	03/30/06
55	53534--JH4		06089055	03/30/06
56	53535--JH6		06089056	03/30/06
57	53536--JH10		06089057	03/30/06
58	53537--PB-E1		06089058	03/30/06
59	53538--PB-E2		06089059	03/30/06
60	53539--PB-E3		06089060	03/30/06
61	53540--PB-E4		06089061	03/30/06



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

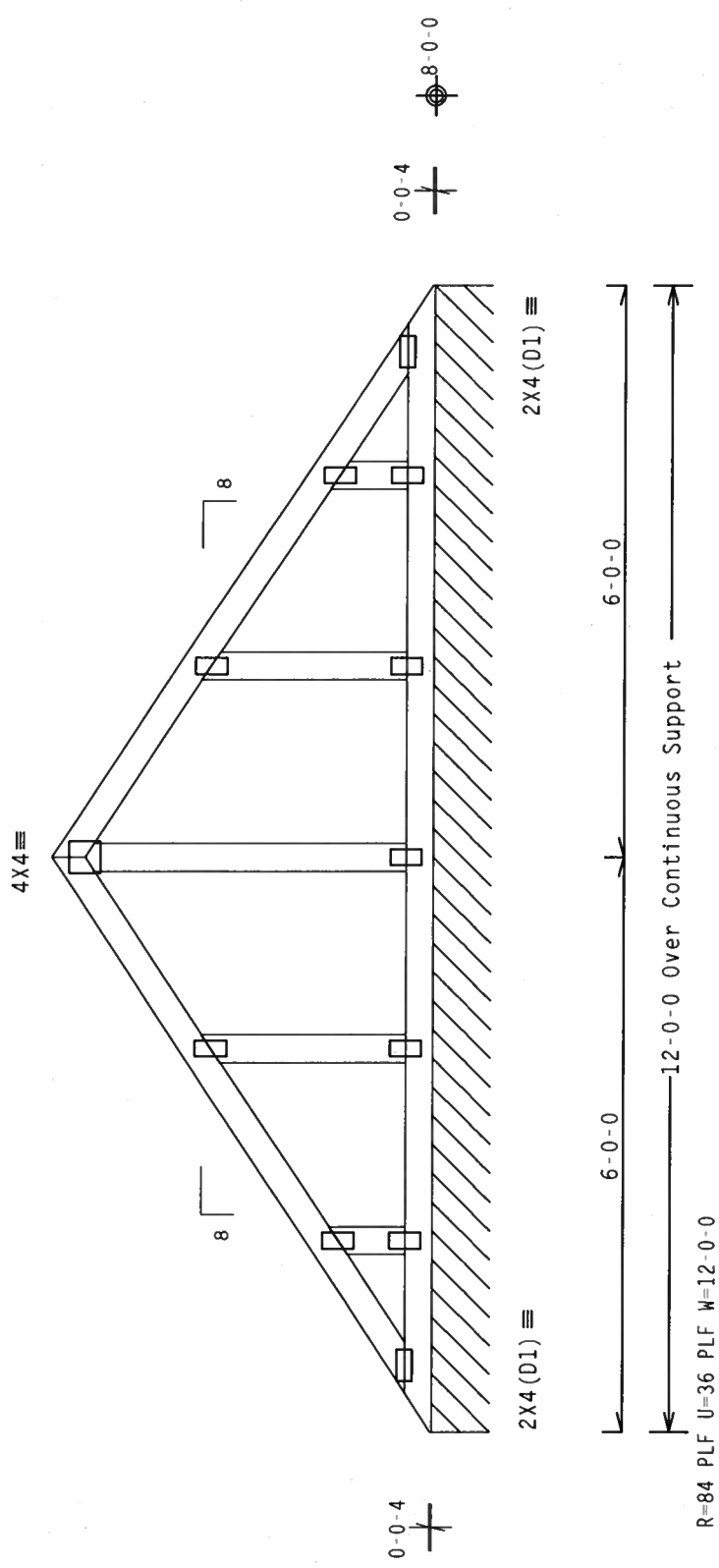
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 2.0-0-0 top chord outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must not be cut or notched.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements. Deflection meets L/360 live and L/240 total load.

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

The overall height of this truss excluding overhang is 4-0-4.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

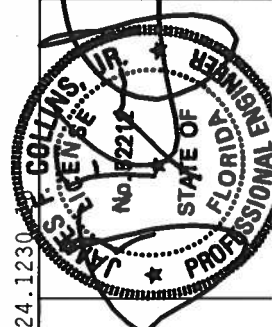
Cq/RT=1.00(1.25)/10(0)

7.24.1230

FL/-/5/-/R/-

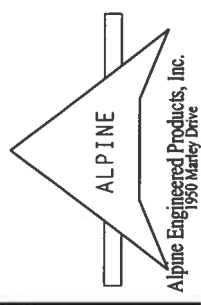
Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R215--	53480
TC DL	10.0 PSF	DATE	03/30/06	
BC DL	10.0 PSF	DRW	HCUSR215	06089027
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	114138	
DUR.FAC.	1.25	FROM	CDM	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 DUNDRAVE DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, WILSONVILLE, OR 97150) 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**** UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING THE TRUSS WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSSER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (M.H/SI) ASTM A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.

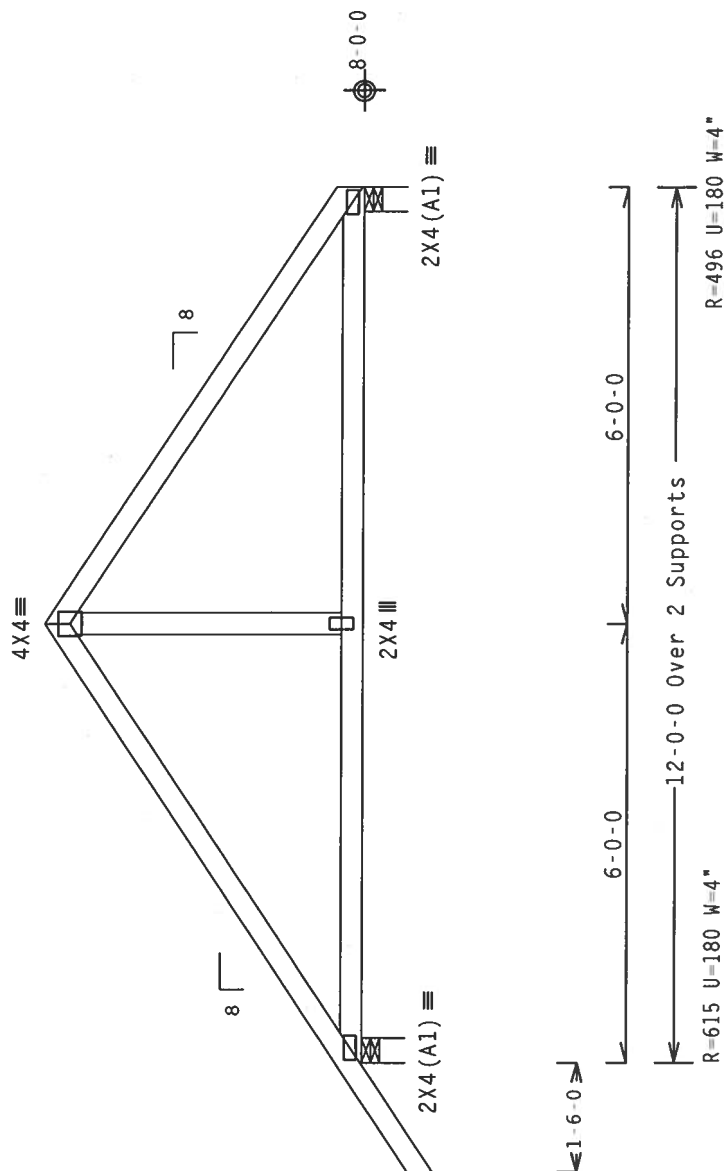


1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

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



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

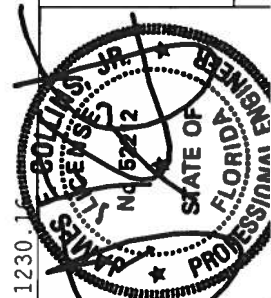
 $Cq/RT=1.00(1.25)/10(0) \quad 7.1$

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

Scale = .375"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS, INC., P.O. BOX 1363, DUNFRIES, MD 20835, FOR TRUSS SAFETY PRACTICES. ALSO REFER TO BCSP 1.02 (TRUSS SAFETY PRACTICES), PUBLISHED BY TPI TRUSS, INC., P.O. BOX 1363, DUNFRIES, MD 20835, FOR TRUSS SAFETY PRACTICES. TRUSS COUNCIL OF AMERICA, 63000 ENTERPRISE BLVD., MADISON, WI 53719, FOR TRUSS SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT:**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING TRUSS IN CONFORMANCE WITH TPI. PROVIDING HANDLING, SHIPPING, INSTALLING & BRACING. ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (.0153") ASTM A663 GRADE 470/60 (M. K/H=5.0) GALV. STEEL. APPLY 1 PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI 1-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE DESIGNER ACCEPTS THE ENGINEERING RESPONSIBILITY SOLELY FOR THE RUSS COMPONENT DESIGN SHOWN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE SUITABILITY AND USE OF THE DESIGN.



ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

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

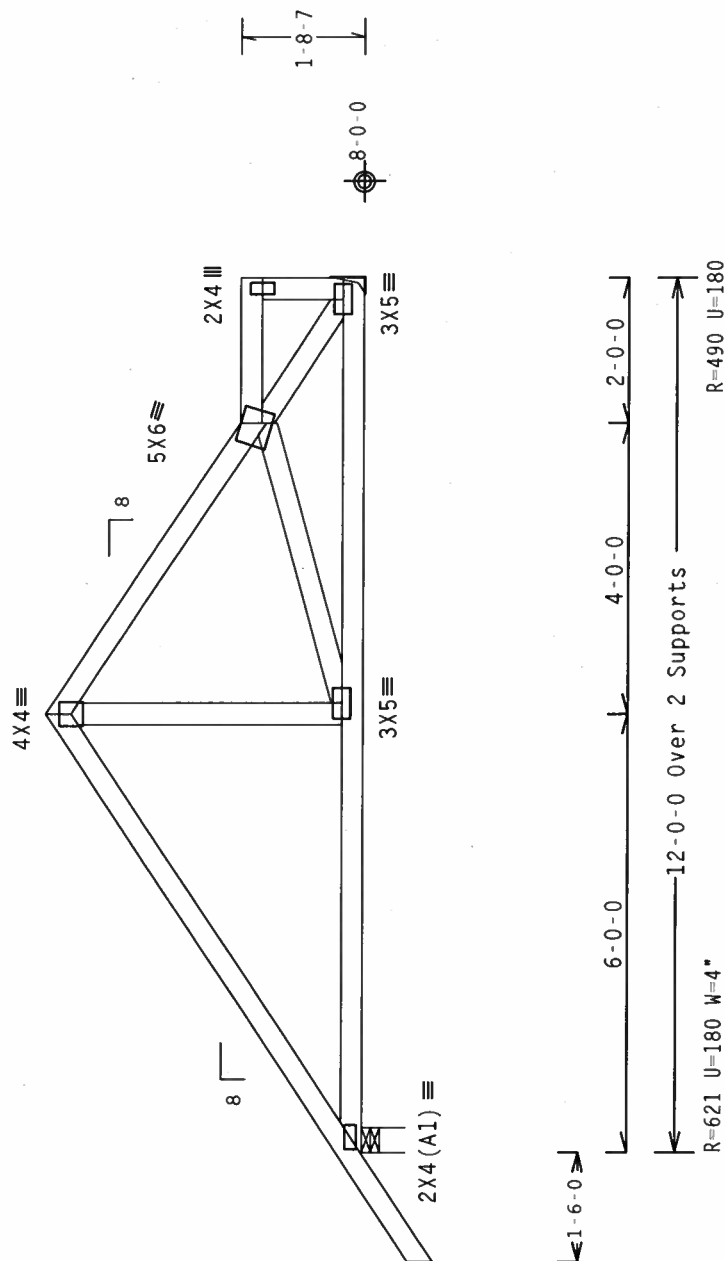
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 4-4-7.



PLT TYP. Wave\R

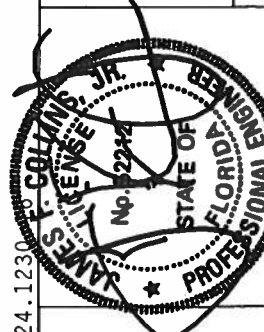
Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0) \quad 7.24.1230$$

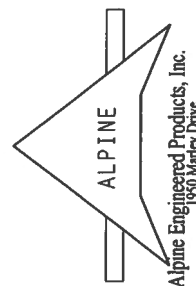
Scale = .375"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PULP, INC., 383 S. O'NEAL DR., SUITE 200, MADISON, WI 53719, AND WCA WOOD TRUSS COUNCIL OF AMERICA, 6360 ENTERPRISE BLVD., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0	PSF	REF	R215--	53482
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06089028
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	114145	
DUR.FAC.	1.25		FROM	CDM	



*** IMPORTANT *** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF ANY TRUSS OR BRIDGE. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF ANY TRUSS OR BRIDGE. ANY FABRICATING, HANDLING, SHIPPING, INSTALLING & TRACING OF TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & TRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AIAA) AND ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W-/M/K) ASTM A663 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPII 2002 SEC.3. SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



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.

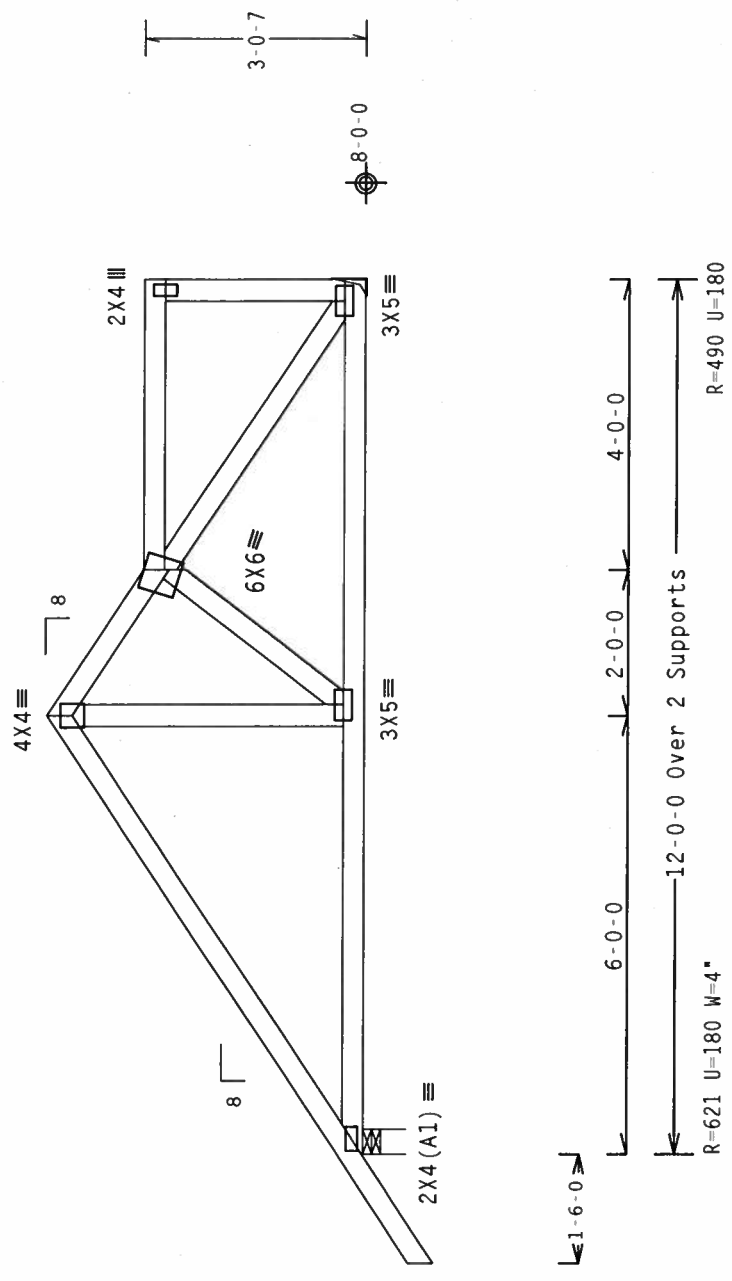
Plates sized for a minimum of 3.00 sq.in./piece.

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 4-4-7.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1238

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R215-- 53483
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089029
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	114150
DUR.FAC.	1.25	FROM	CDM

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MADISON AVE, 53719), FOR SAFETY PRACTICES FOR THE PROPER USE OF TRUSSES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

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

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

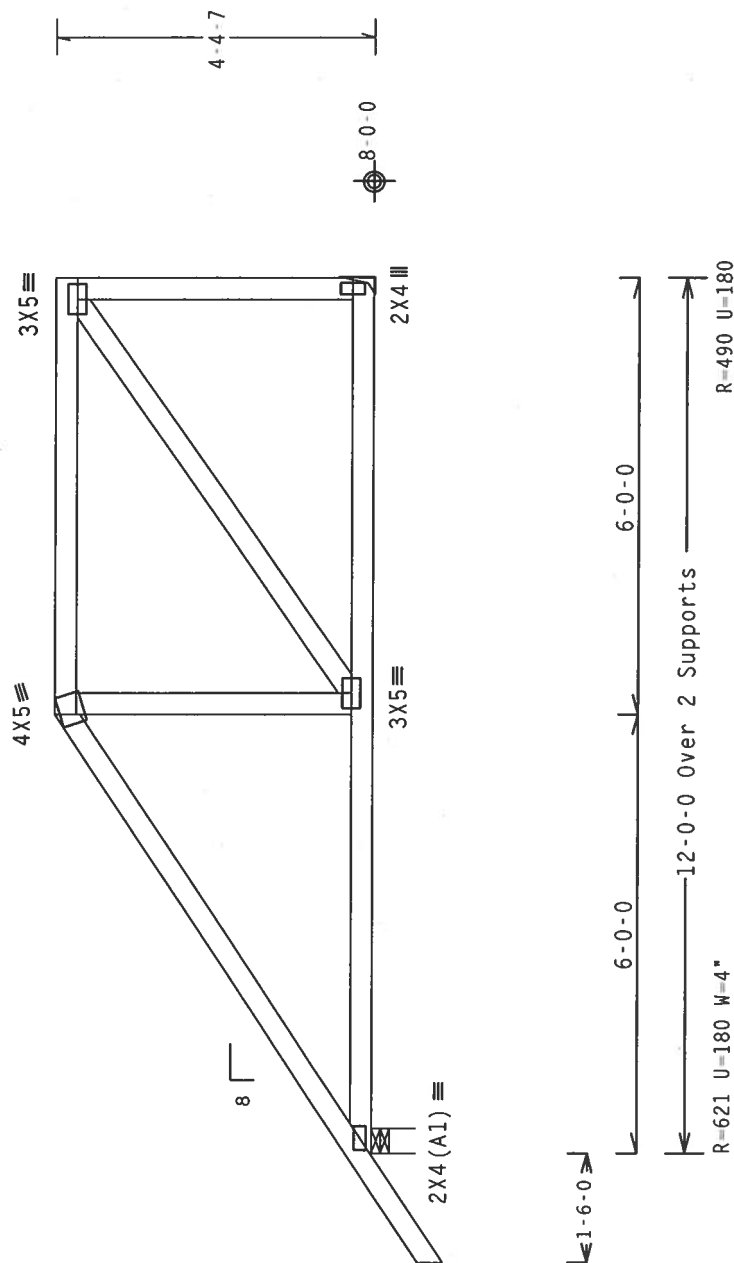
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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 4-4-7.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

$$Ca/RT=1.00(1.25)/10(0) \quad 7.24.1230$$

Scale = .375"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI TRUSS BUILDING COMPANIES, INC. (BUILT UP TRUSS INSTITUTE), 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND WCA TRUSS CO., 1000 W. 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.

REF R215-- 53484

DATE 03/30/06

ORW HCUSR215 06089030

HC-ENG WHK / WHK

SEQN-	11
FROM	CDM

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

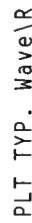
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

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

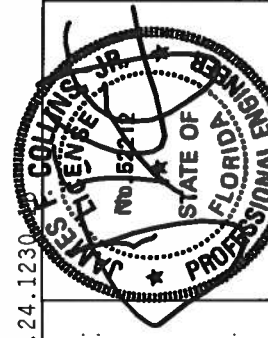
The overall height of this truss excluding overhang is 5-0-7.



1230

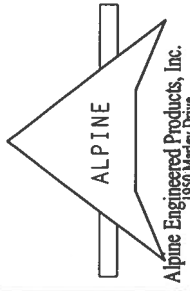
$$FL / - / 5 / - / - / R / - \quad \text{Scale} = .3125" / \text{Ft.}$$

TC LL	20.0	PSF	REF	R215--	53485
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06089031
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	114165	
DUR.FAC.	1.25		FROM	CDM	



****WARNING**** RAISES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO PCSI CONSULTING COMPANY'S SAFETY MANUAL FOR PROPERLY PLACING AND BRACING. RAISES ARE TO BE USED ONLY BY TRUSTEES OF THE O'DONORIO DR. SUITE 200, MADISON, WI 53719, AND AICA (AICAD TRUST COUNCIL OF UNLESS OTHERWISE INDICATED BY O'DONORIO DR. SUITE 200, MADISON, WI 53719). FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CLIPPING.

IMPORTANT—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DELAYS, INCLUDING SPEC. INSTALLING & BRACING OF TRUSSES. THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. FOR STEEL CONNECTIONS. CONNECTOR PLATES ARE MADE OF 20/18/16GA. (W/HYS) ASTM A653 GRADE 40/50 (K/H.S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWING 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

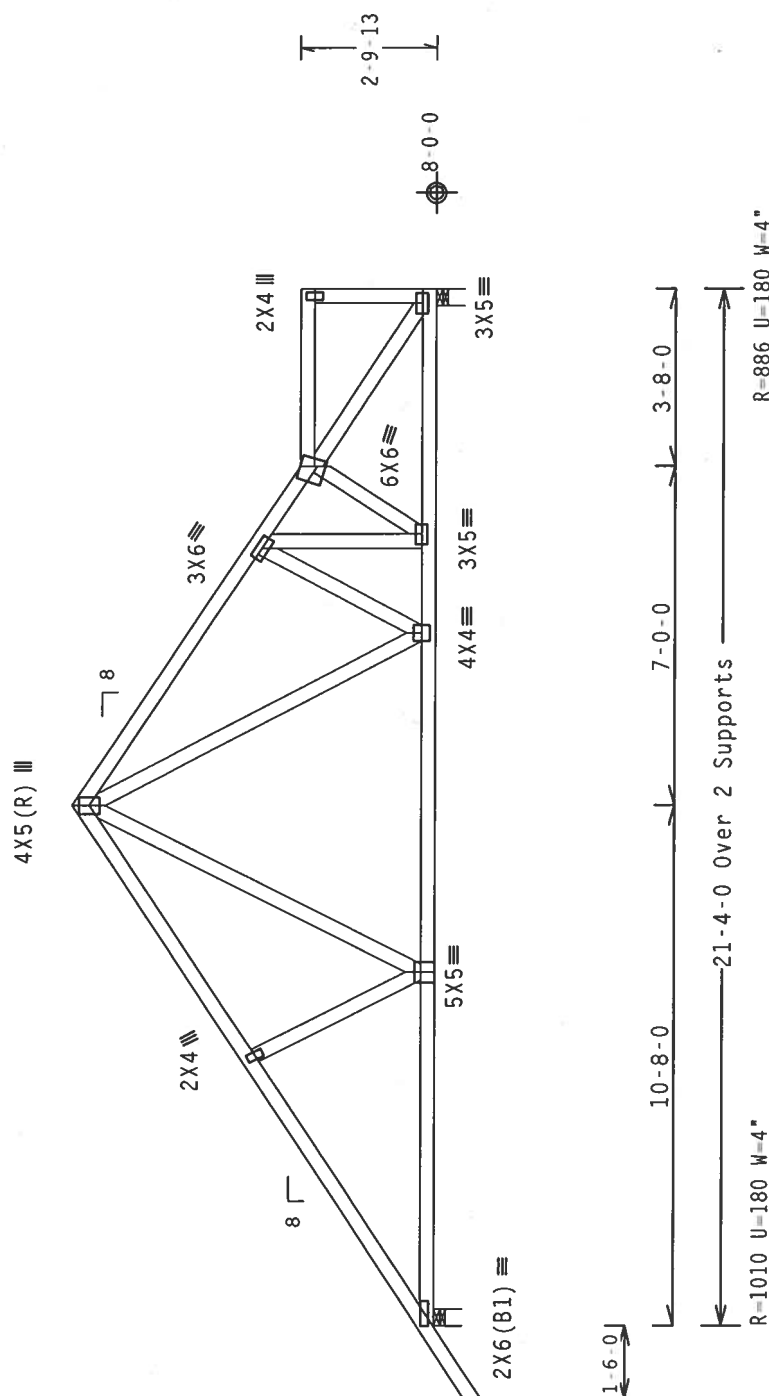
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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 7-5-13.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

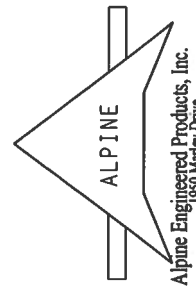
 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.1230$

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

Scale = .25"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE MANUFACTURER, BCS1 1.083 0-090F010R DR., SUITE 200, MADISON, WI 53719, AND WCA WOOD TRUSSES COUNCIL OF AMERICA 6300 ENTERPRISE DRIVE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0	PSF	REF	R215 - -	53487
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06089003
BC LL	0.0	PSF	HC-ENG	WHK/WHK	*
TOT.LD.	40.0	PSF	SEQN-	114173	
DUR.FAC.	1.25		FROM	CDM	



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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

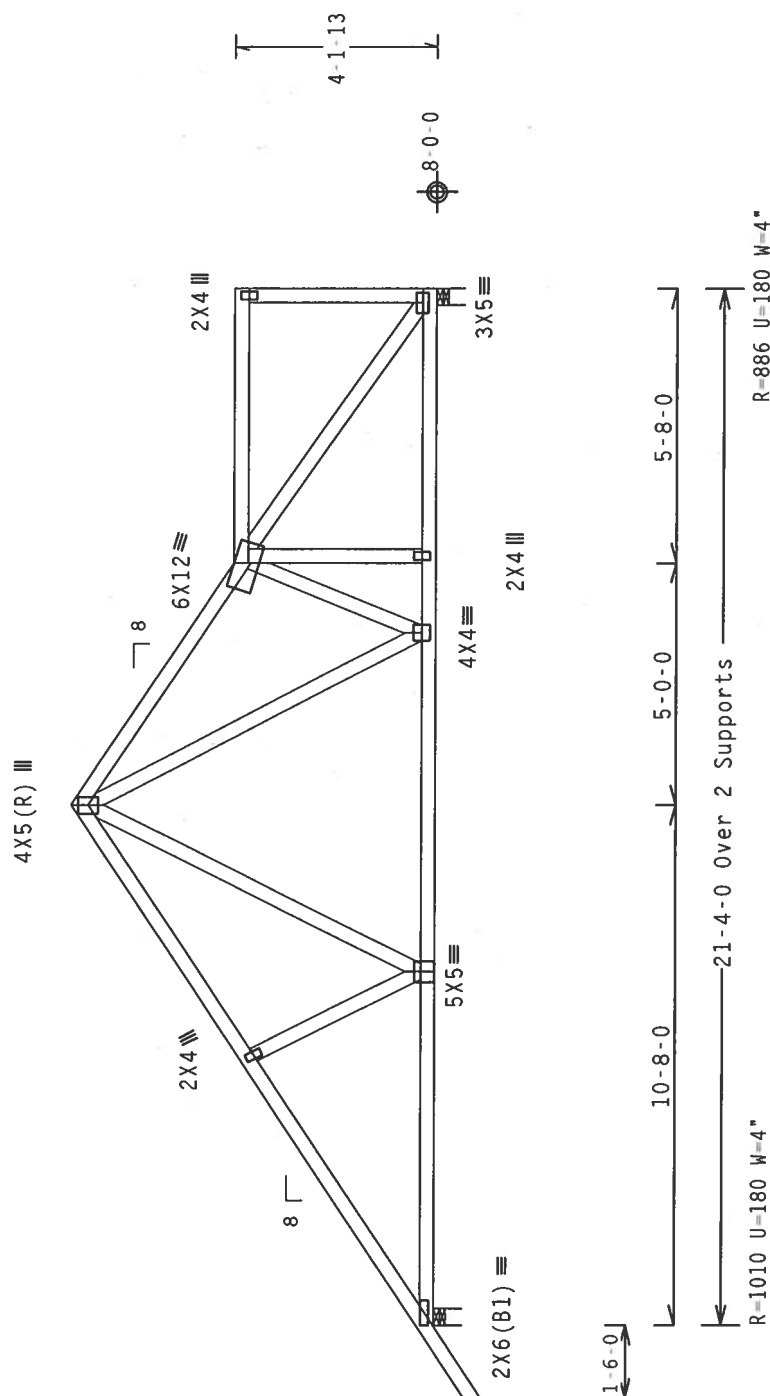
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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 7-5-13.



PLT TYP. Wave/R

Design Crit: TPI-2002(STD)/FBC

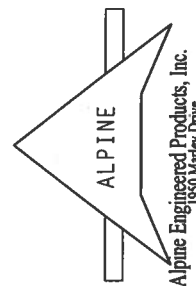
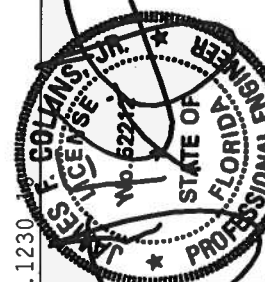
 $Cq/RT=1.00(1.25)/10(0)$ 7.24.1230

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

Scale = .25"/Ft.

WARNING: TRUSSES REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION, 11901 KENNEDY DRIVE, SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6320 W. 12TH AVENUE, SUITE 100, DENVER, CO 80202, FOR SAFETY PRACTICES PRIOR TO TRUSSING THESE FUNCTIONS. UNLESS OTHERWISE NOTED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0	PSF	REF R215 - - 53488
TC DL	10.0	PSF	DATE 03/30/06
BC DL	10.0	PSF	DRW HCUSR215 06089004
BC LL	0.0	PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0	PSF	SEQN- 114180
DUR.FAC.	1.25		FROM CDM



(3340-/Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL - A10)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

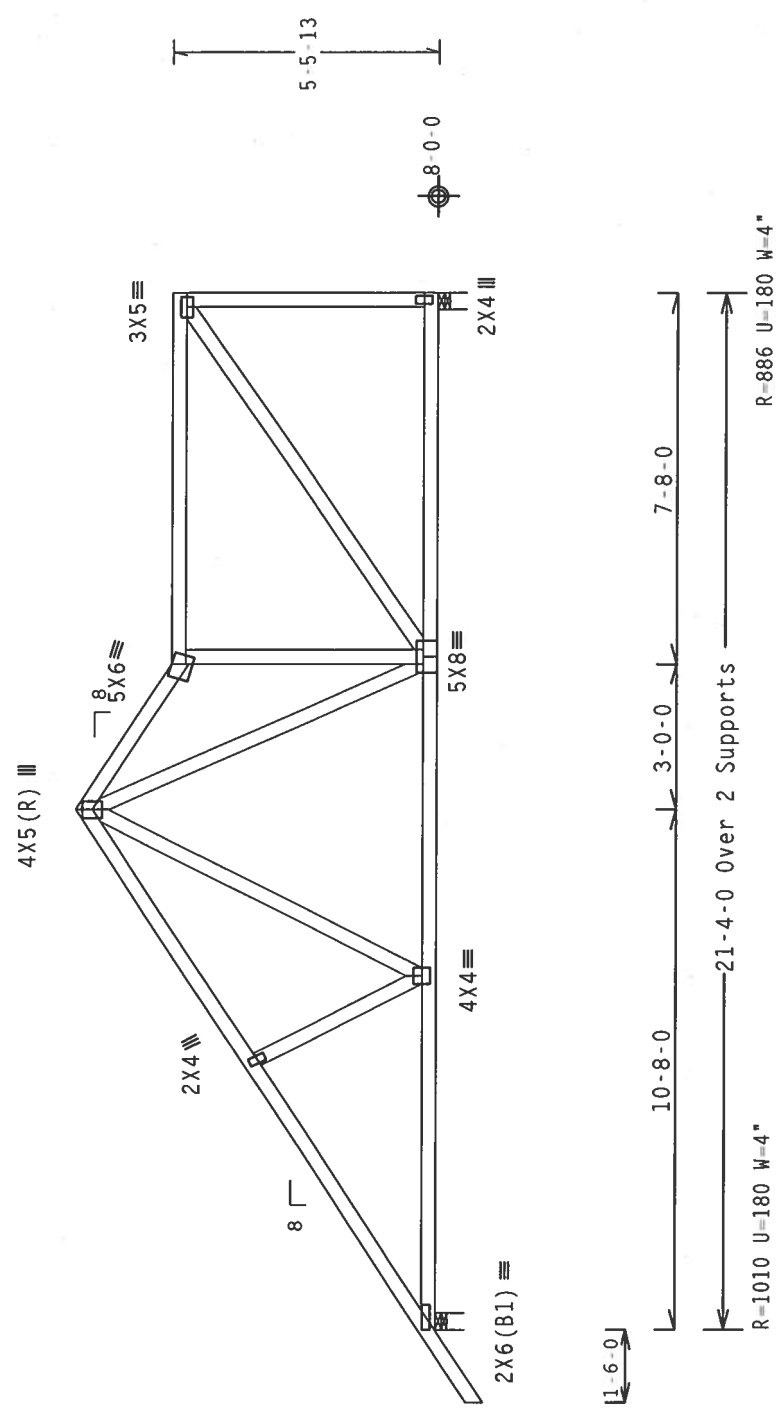
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Right end vertical not exposed to wind pressure.

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

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

The overall height of this truss excluding overhang is 7-5-13.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave/R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16

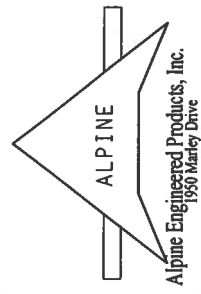
FL/-5/-/-R/- Scale =.25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THIS CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0 PSF	REF	R215-- 53489
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089005
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	114184
DUR.FAC.	1.25	FROM	CDM



****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, SHIPPING, INSTALLING AND BRACING THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT END ANY BUILDING, IS THE RESPONSIBILITY OF THE USER.



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

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

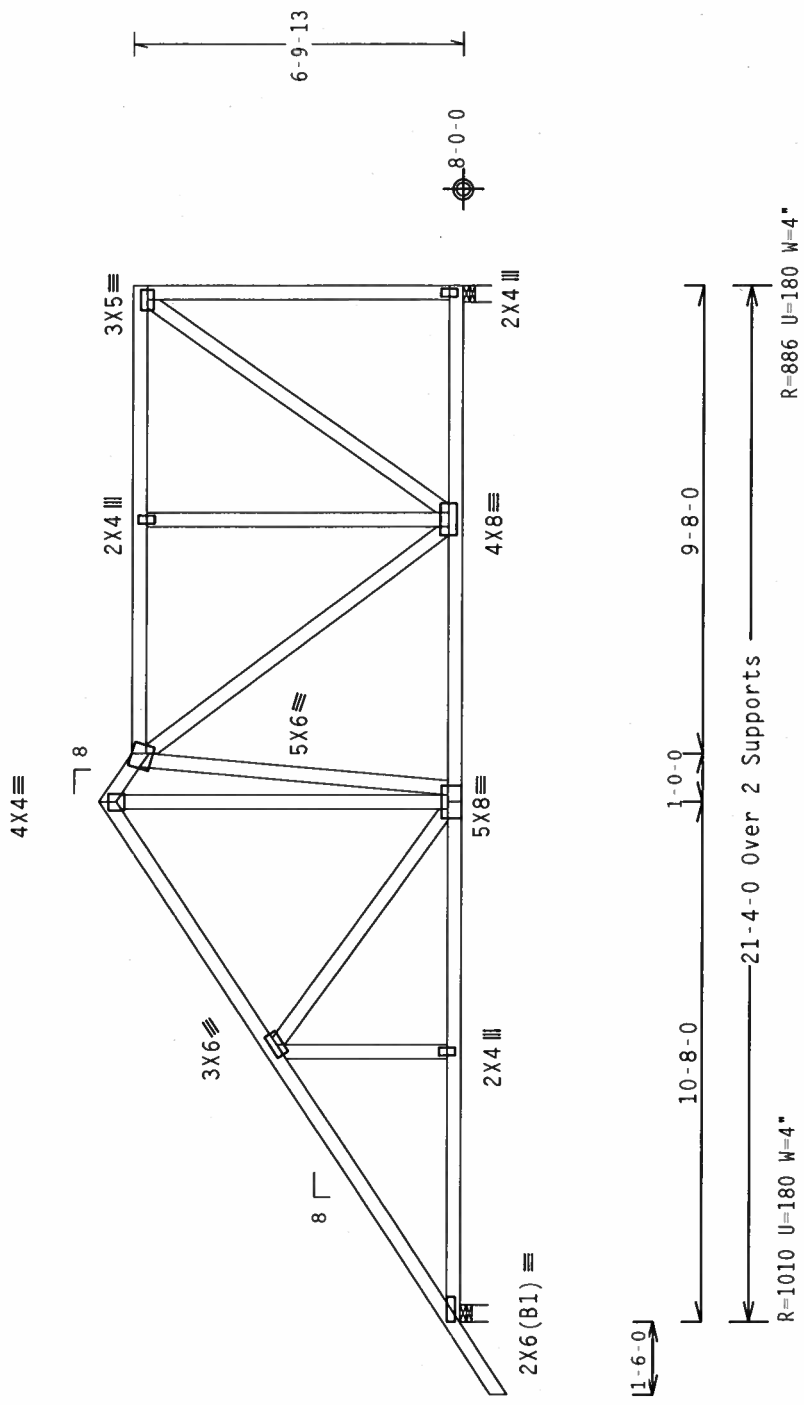
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Right end vertical not exposed to wind pressure.

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

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

The overall height of this truss excluding overhang is 7'-5-13".



Design Crit: TPI-2002(STD)/FBC

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

7.24.1230

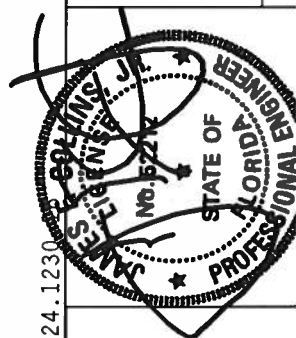
FL/-5/-/-/R/-

Scale = .25"/Ft.

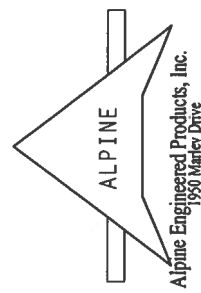
PLT TYP. Wave\R

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGNER, CONTRACTOR, INSTALLER, OR PROVIDER OF MATERIALS (INCLUDING, BUT NOT LIMITED TO, STEEL, ALUMINUM, CONNECTOR PLATES, AND FASTENERS) SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING.



TC LL	20.0 PSF	REF R215--	53490
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW HCUSR215	06089006
BC LL	0.0 PSF	HC-ENG WHK/WHK	*
TOT.LD.	40.0 PSF	SEQN-	114188
DUR.FAC.	1.25	FROM	CDM



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

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.

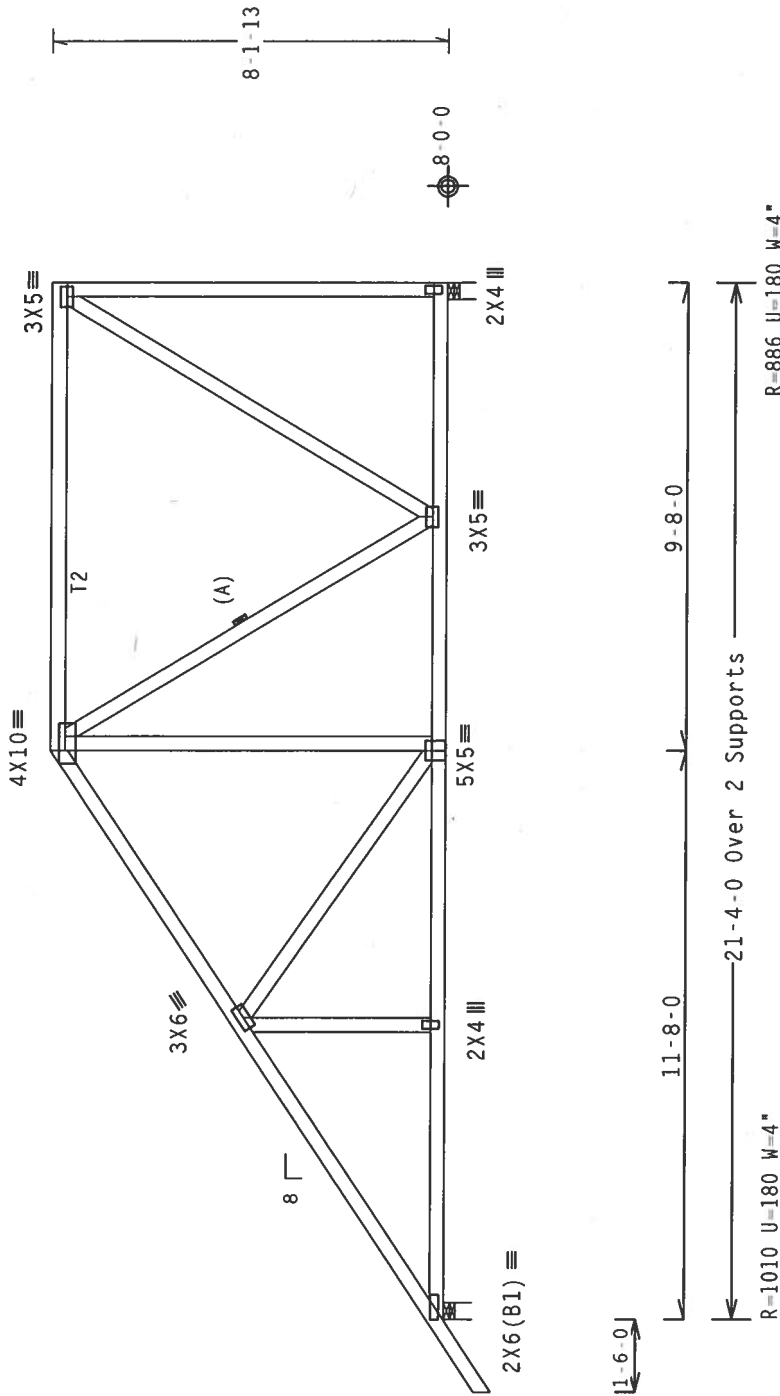
The overall height of this truss excluding overhang is 8-1-13.

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.



PLT TYP. Wave/R

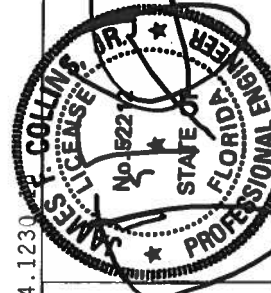
Design Crit: TPI-2002(STD)/FBC

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

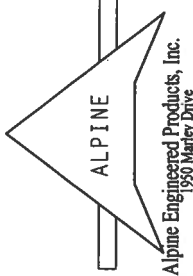
FL/-5/-/-/R/- Scale = .25"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATIONS FOR STEEL TRUSS CONECTOR PLATES ARE MADE OF 20/18/16GA (H-H/S/K) ASTM A563 GRADE 40/60 (H-H/S) ONLY STEEL. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 150A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS COMPONENT.



TC LL	20.0 PSF	REF	R215-- 53491
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089007
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	114192
DUR.FAC.	1.25	FROM	CDM



Top	chord	2x4	SP	#2	N
30t	chord	2x6	SP	#2	N
	webs	2x4	SP	#2	N

2 COMPLETE TRUSSES REQUIRED

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

Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @11.50" o.c.

Webs : 1 Row @ 4" o.c.

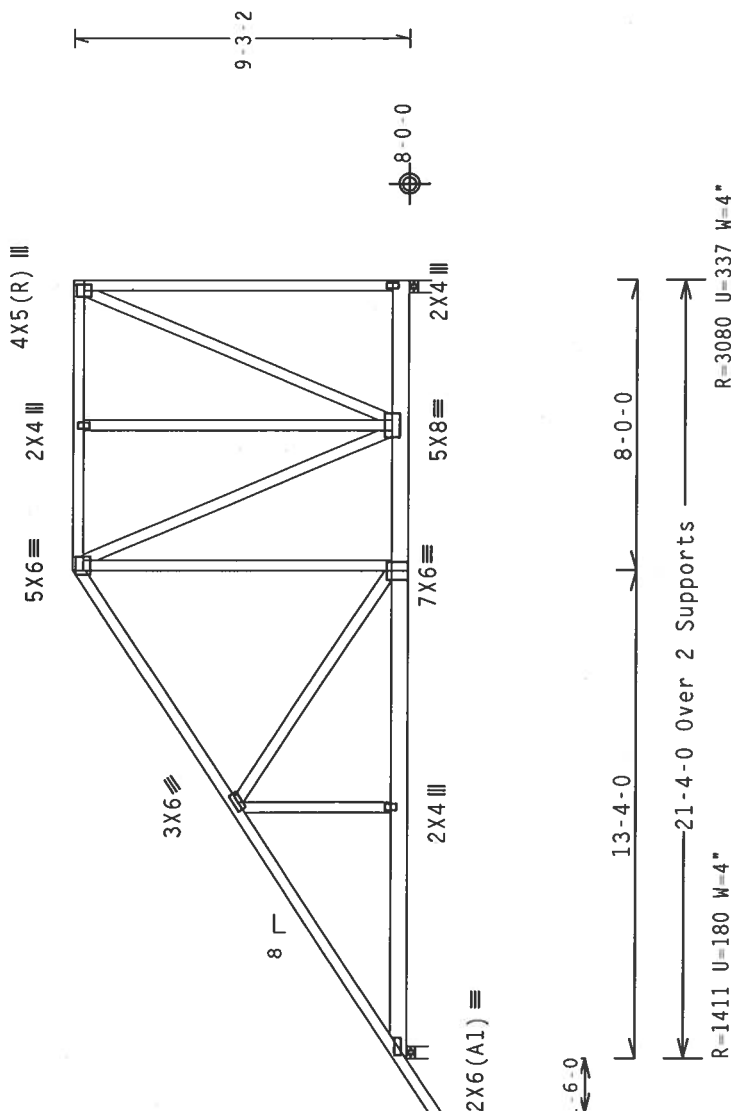
Use equal spacing between rows and stagger nails in each row to avoid splitting.

1297 LB Conc. Load at 17.06, 19.06

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 9'-3"-2.



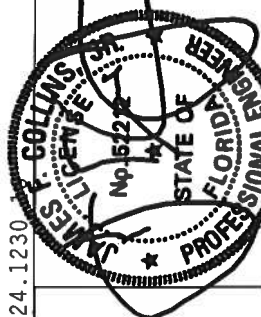
PLT TYP. Wave\ R

Design Crit: TPI-2002(STD)/FBC

 $C_q/RT=1.00(1.25)/10(0) \quad 7.24.1230$

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R215 - -	53492
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06089032
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	114259	
DUR.FAC.	1.25		FROM	CDM	



ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

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

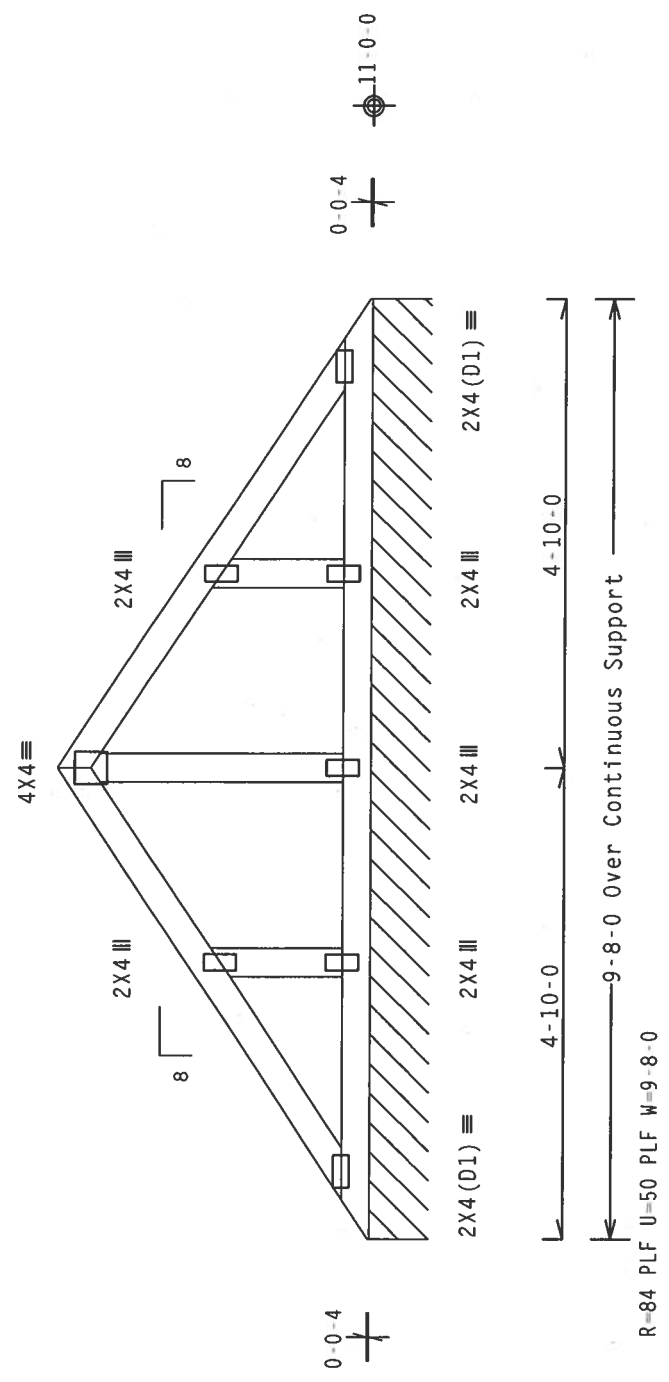
Truss spaced at 24.0" OC designed to support 2-0-0 top chord
outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must
not be cut or notched.

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.

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 3-2-15.

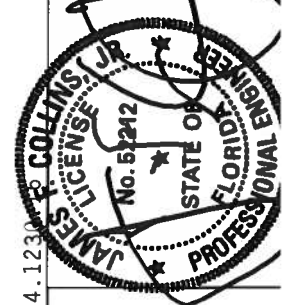


PLT TYP. Wave/R

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

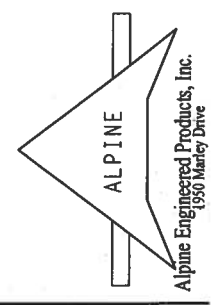
7.24.1230

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



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

REF	R215--	53493
DATE	03/30/06	
DRW	HCUSR215	06089033
HC-ENG	WHK/WHK	
SEQN-	114195	
FROM	CDM	



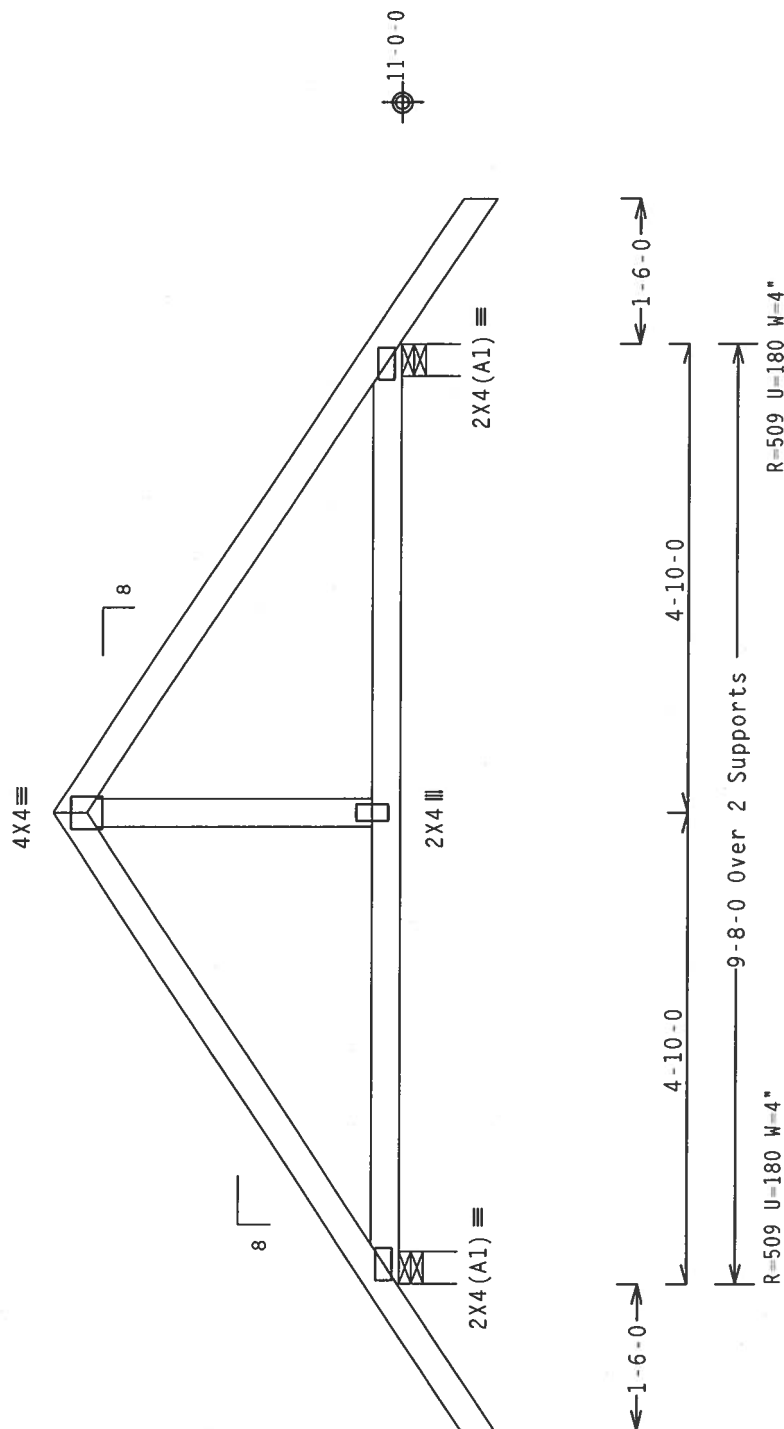
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	Webs	2x4	SP	#2	N

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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.

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

The overall height of this truss excluding overhang is 3-7-2.

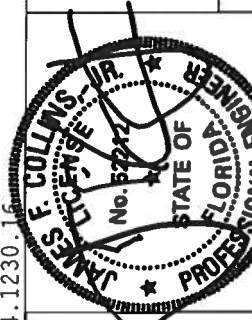


PLT TYP. Wave\ R

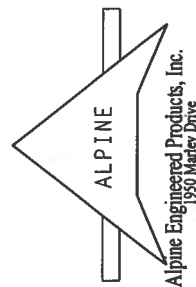
Design Crit: TPI-2002(STD)/FBC

$$Ca/RT=1.00(1.25)/10(0)$$
FL / - / 5 / - / - / R / - /
Scale = .5" / Ft.

TC LL	20.0	PSF	REF	R215--	53494
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06089008
BC LL	0.0	PSF	HC-ENG	WHK/WHK	*
TOT.LD.	40.0	PSF	SEQN-	114198	
DUR.FAC.	1.25		FROM	CDM	



*IMPORTANT**URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESENTING ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, AND FOR OBTAINING ALL NECESSARY ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEA) AND TPI ALPINE DESIGN CONECTOR PLATES ARE MADE OF 20/18/16GA (W/M/S/K) ASTM A653 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



(3340-/Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL - B3)

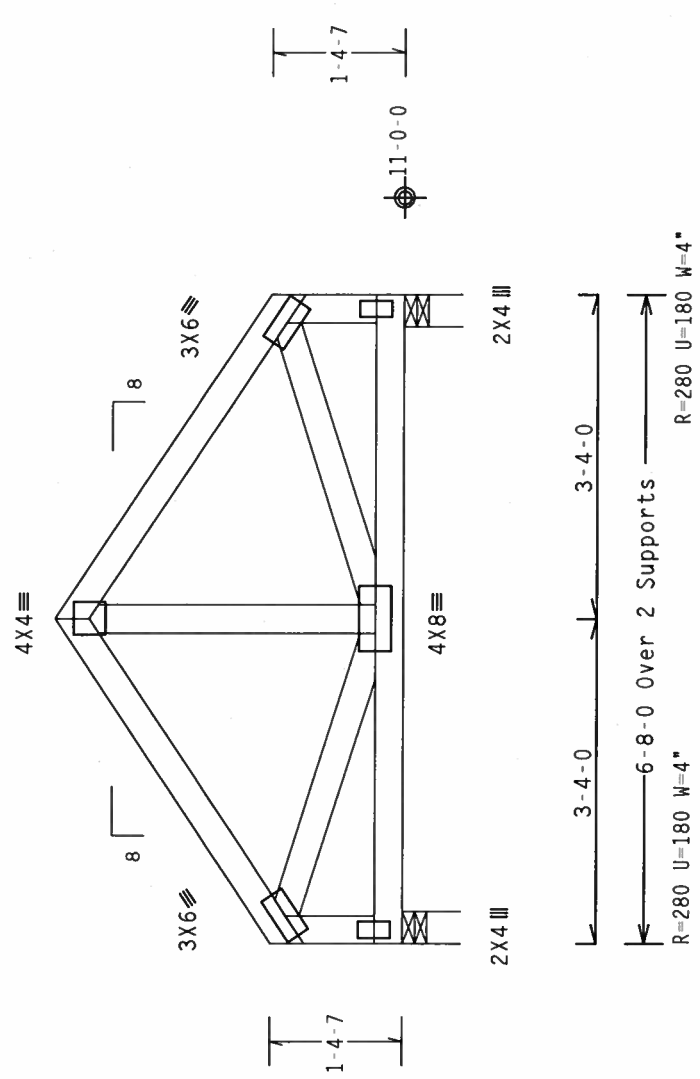
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

Deflection meets L/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 3-7-2.



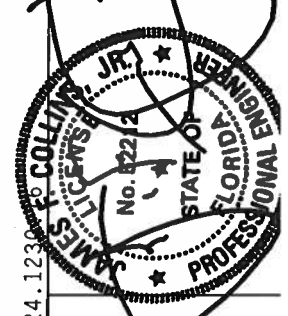
PLT TYP. Wave\R

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

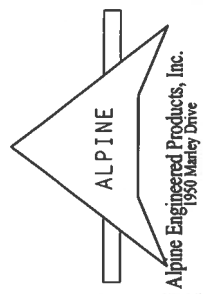
FL/-5/-/-R/-
Scale = .5"/Ft.

****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 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., YORK, PA 17404, TEL 53719). FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, YOU MUST HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AEPAD AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (M-H/S/X) ASTM A653 GRADE 40/60 (IN. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.



TC LL	20.0 PSF	REF	R215--	53495
TC DL	10.0 PSF	DATE	03/30/06	
BC DL	10.0 PSF	DRW	HCUSR215	06089009
BC LL	0.0 PSF	HC-ENG	WHK/WHK	*
TOT.LD.	40.0 PSF	SEQN-	114201	
DUR.FAC.	1.25	FROM	CDM	



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

Truss spaced at 24.0" OC designed to support 2-0-0 top chord
outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must
not be cut or notched.

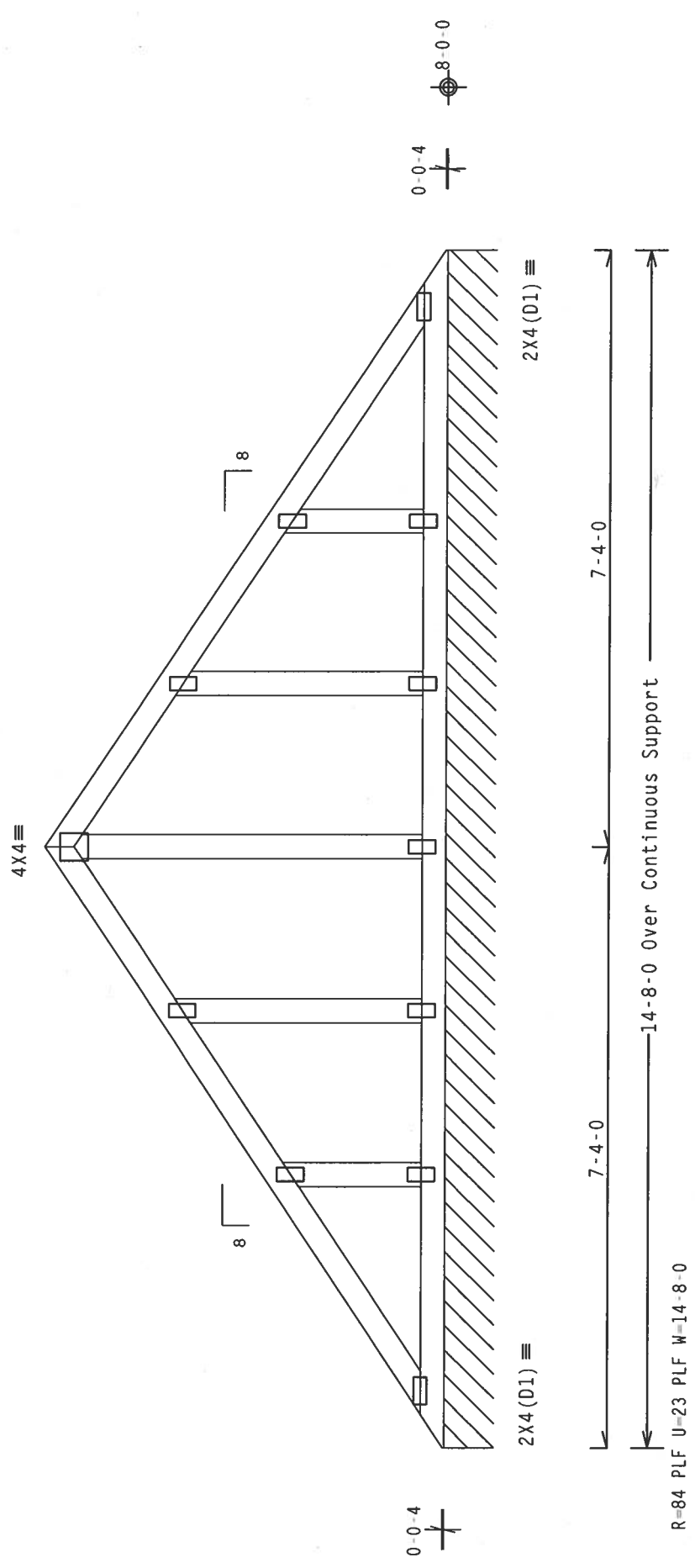
Plates sized for a minimum of 3.00 sq.in./piece.

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.

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 4-10-15.



Note: All Plates Are 2x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave/R

Scale = 1/4" = 1'-0"

REF R215-- 53496

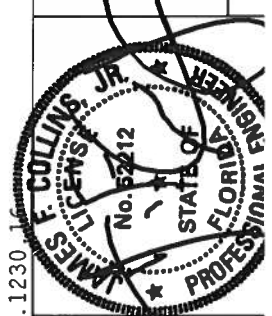
DATE 03/30/06

DRW HCUSR215 06089034

HC-ENG WHK/WHK

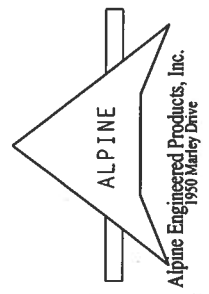
SEQN- 114204

FROM CDM



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D-ORFORD DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



(3340-/Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL - C2)

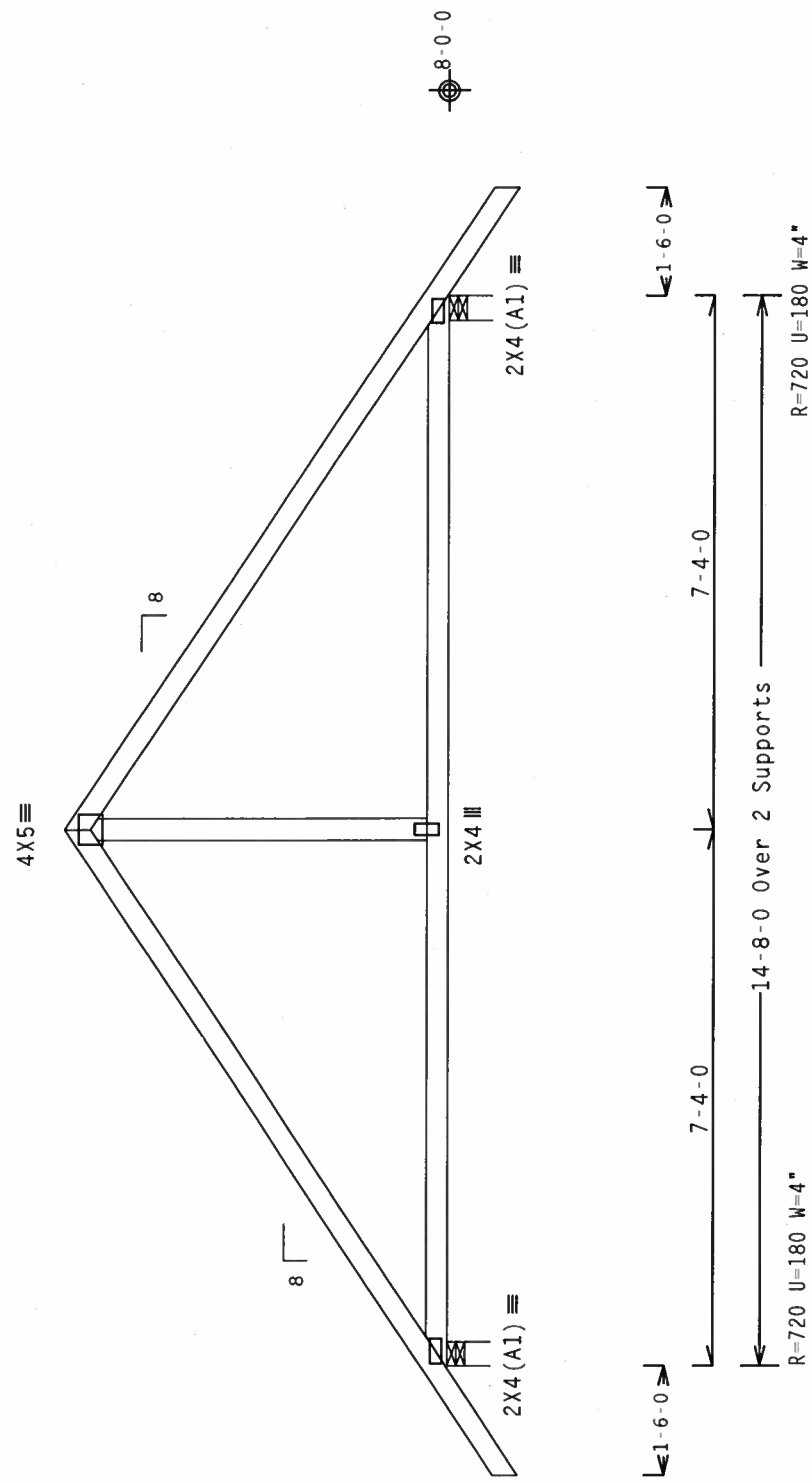
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean htg, 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.

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

The overall height of this truss excluding overhang is 5-3-2.



Design Crit: TPI-2002(STD)/FBC

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

7.24.1230

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

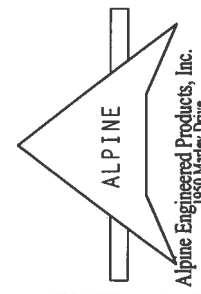
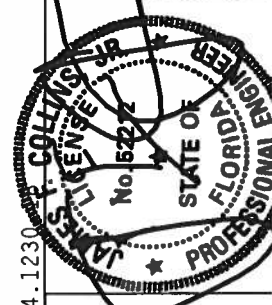
Scale = .375"/Ft.

PLT TYP. Wave\|R

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (N-H/5X3) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT

TC LL	20.0 PSF	REF	R215--	53497
TC DL	10.0 PSF	DATE	03/30/06	
BC DL	10.0 PSF	DRW	HCUSR215	06089010
BC LL	0.0 PSF	HC-ENG	WHK/WHK	*
TOT.LD.	40.0 PSF	SEQN-	114207	
DUR.FAC.	1.25	FROM	CDM	



Top chord 2x4 SP #2 N
Bot chord 2x6 SP #5
Webs 2x4 SP #2 N
Lt Wedge 2x6 SP #2 N:

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 1.50 to 64 PLF at 16.17
BC - From 5 PLF at 1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 14.67
BC - From 5 PLF at 14.67 to 5 PLF at 16.17
BC - 1737 LB Conc. Load at 1.60, 3.60, 5.60
BC - 4533 LB Conc. Load at 7.54

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

The overall height of this truss excluding overhang is 5-3-2.

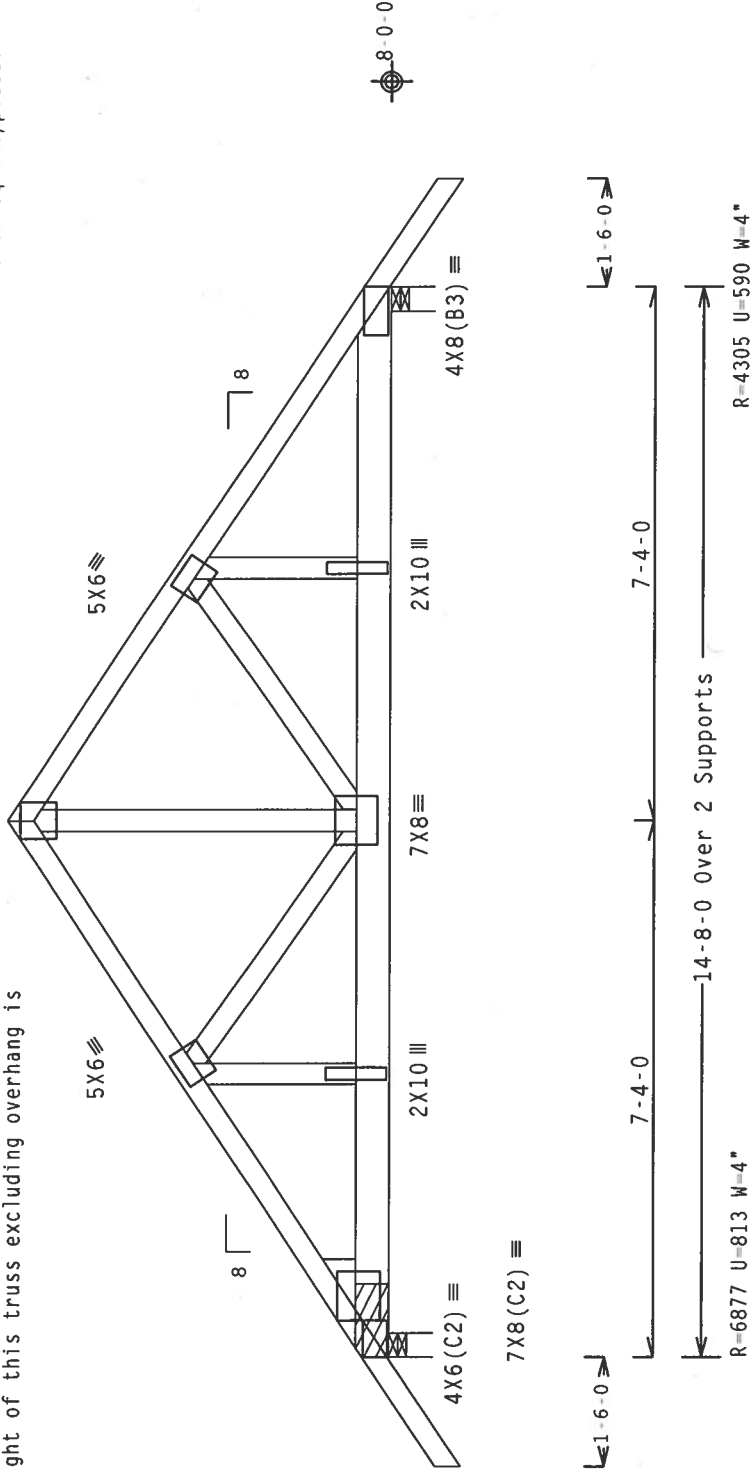
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" 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: 10d Box or Gun (0.128"x3", min.)_nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
1 0.000' 1 12" 4 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.



PLT TYP. Wave/R

Design Crit: TPI-2002(STD)/FBC

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

7.24.1230

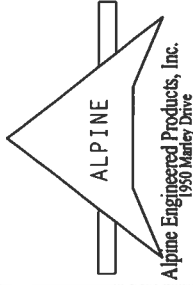
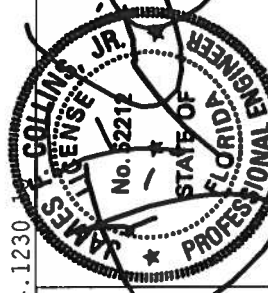
FL/-5/-/R/-

Scale = .375"/Ft.

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

IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD OR INSTALL IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE TRUSS SHALL BE CONSIDERED A BUILDING COMPONENT IN CONFORMANCE WITH TPI (TRUSS PLATE INSTITUTE, 583 D'ONDRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719). FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0 PSF	REF	R215--	53498
TC DL	10.0 PSF	DATE	03/30/06	
BC DL	10.0 PSF	DRW	HCUSR215	06089035
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	114296	
DUR.FAC.	1.25	FROM	CDM	



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

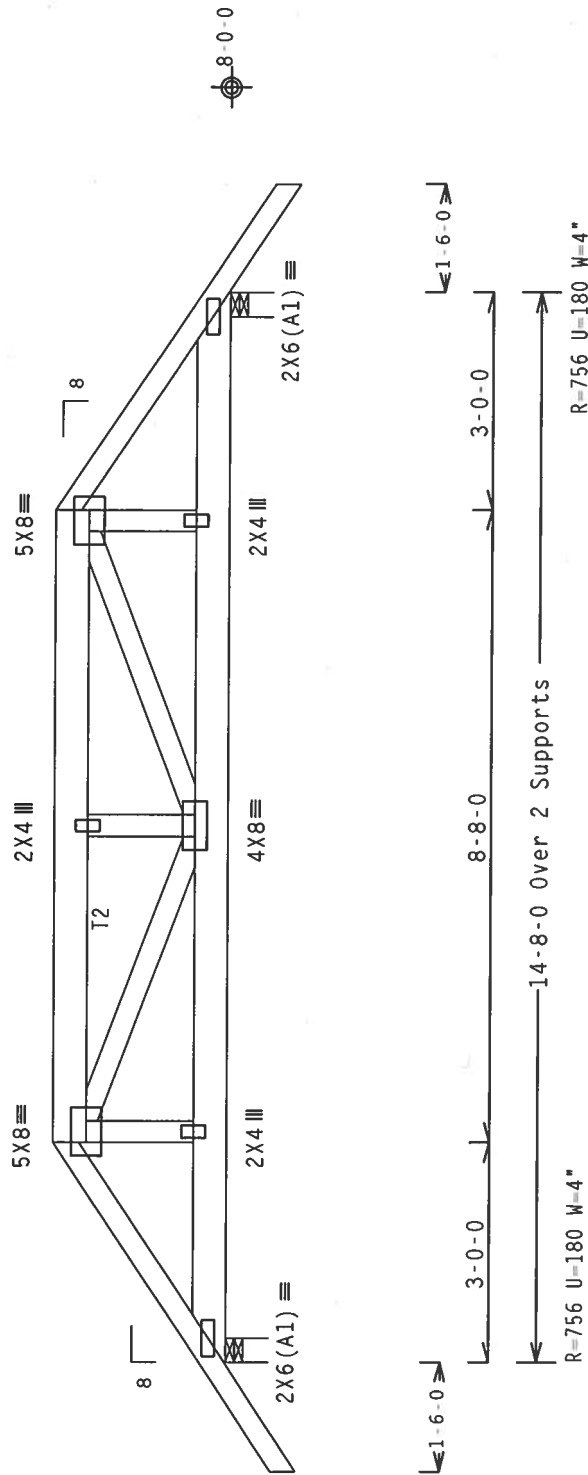
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

#1 hip supports 3-0-0 jacks w/2 panel TC and no end vert.

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 2-4-7.



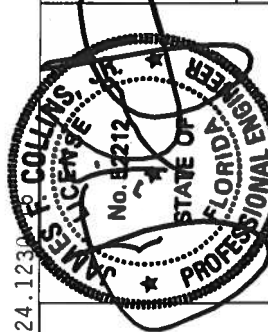
PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.1230$

FL/-/5/-/-/R/-
Scale = .375"/Ft.

TC LL	20.0 PSF	REF R215 - - 53499
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUR215 06089036
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 114216
DUR.FAC.	1.25	FROM CDM



ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

Top chord 2x4 SP #2 N
Bot chord 2x6 SP #5
Webs 2x4 SP #2 N
Lt Wedge 2x6 SP #2 N:

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 1.50 to 64 PLF at 16.17
BC - From 5 PLF at 1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 14.67
BC - From 5 PLF at 14.67 to 5 PLF at 16.17
BC - 1737 LB Conc. Load at 1.60, 3.60, 5.60
BC - 4551 LB Conc. Load at 7.54

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

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

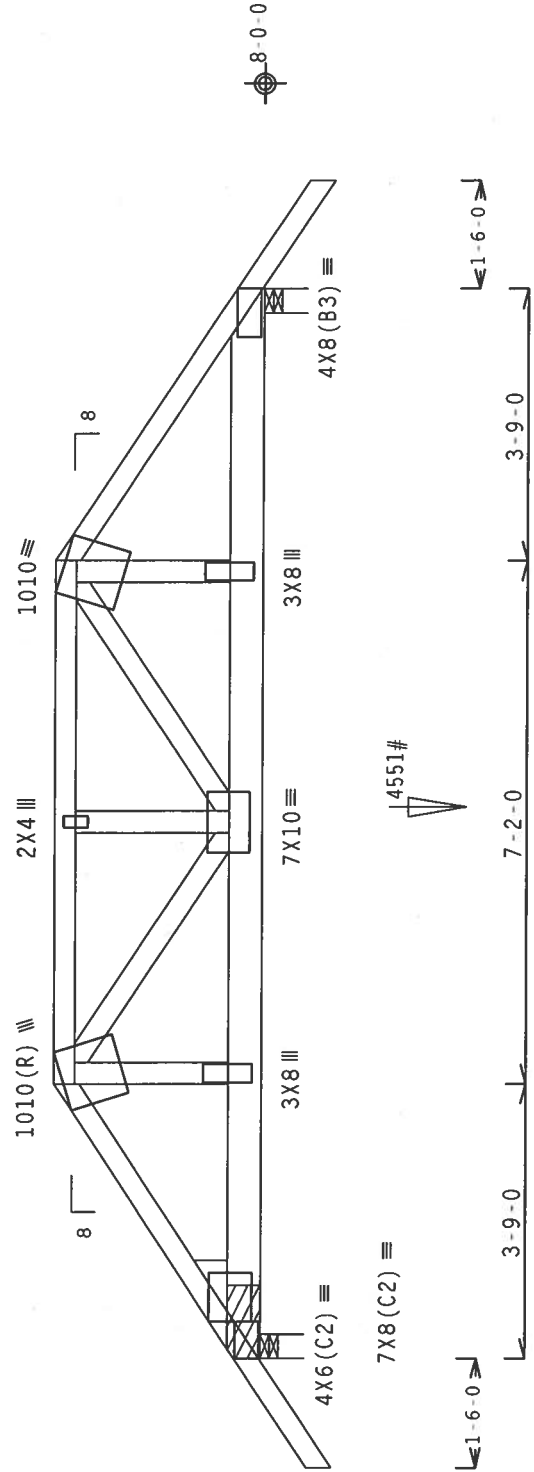
The overall height of this truss excluding overhang is 2-10-7.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" 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: 10d Box or Gun (0.128"x3", min.)_nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
1 0.000' 1 12" 4
Bearing block to be same size and species as bottom chord.
Refer to drawing CNRGBLK1103 for additional information.

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

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



14-8-0 Over 2 Supports

R=6886 U-813 W=4"

R=4314 U-590 W=4"

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16

Scale = .375"/Ft.

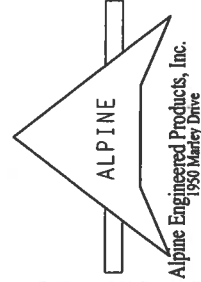
PLT TYP. Wave/R

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

***IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. TRUSSES SHALL BE CONFORMANT WITH APPLICABLE PROVISIONS OF NDS, NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. CONNECTOR PLATES ARE MADE OF 2018/186A (A/R/S/K) ASTM A563 GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN ONLY.



TC LL	20.0	PSF	REF	R215--	53500
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06089037
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEON-	114299	
DUR.FAC.	1.25		FROM	CDM	



	Top	chord	2x6	SP	#2	N	:	T1	2x4	SP	#2	N
	Bot	chord	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 5-0-7.

2 COMPLETE TRUSSES REQUIRED

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

Top Chord: 1 Row @12.00" o.c.

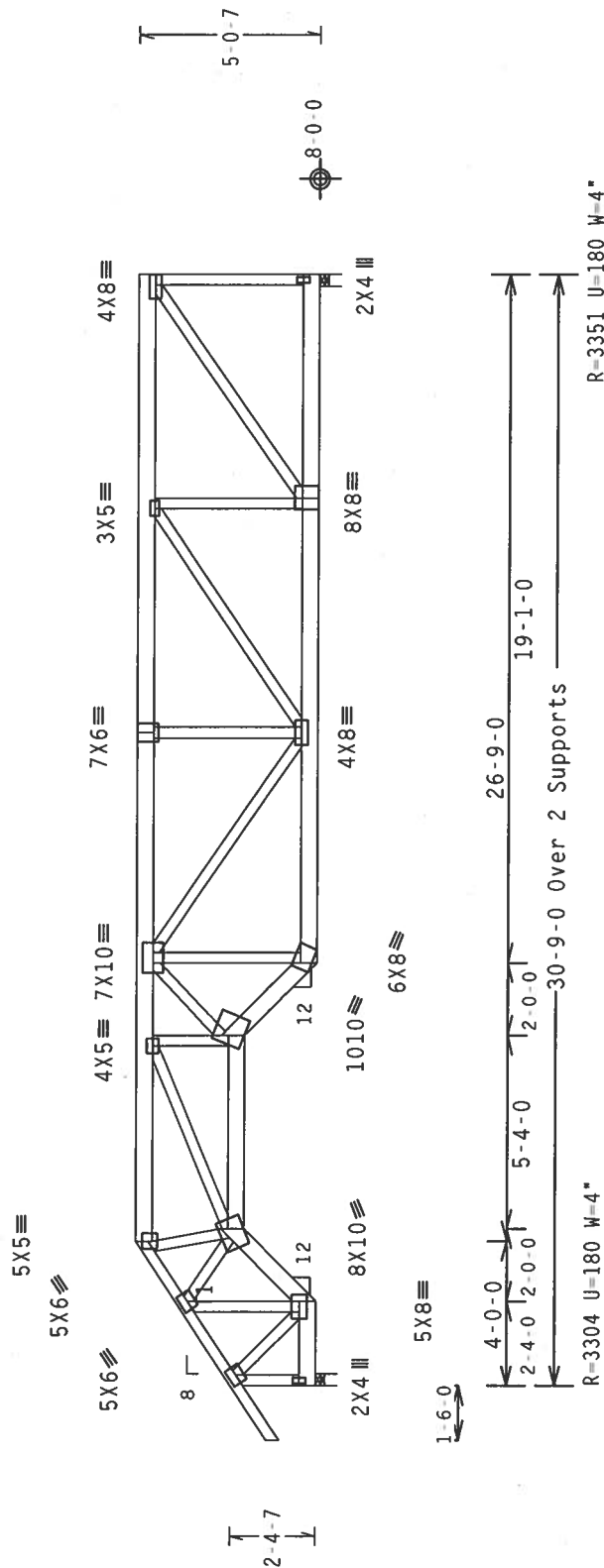
Bot Chord: 1 Row @12.00" o.c.

Webs : 1 Row @ 4" O.C.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

#1 hip supports 4-0-0 jacks w/2 panel TC and no end vert.

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



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

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

10.16

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

Scale = 1875"/ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 582 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND NCA, 6000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE STRUCTURE IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFPA) AND THE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/HX/T) ASTM A653 GRADE 40/60 (W. V/H/S) GALV. STEEL. ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPII-2002 SEC-3. A SEAL ON THIS DOCUMENT INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE RUSS COMPONENT OF THE PROJECT.



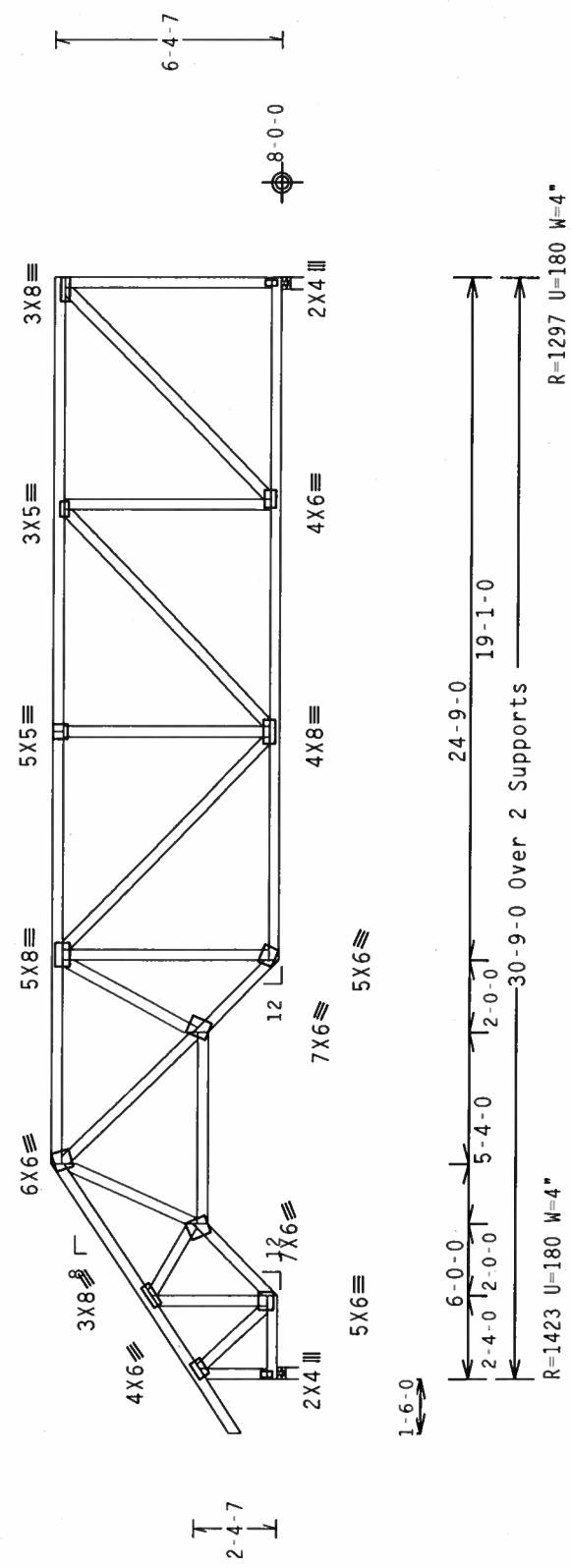
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TC DL	10.0	PSF	DATE 03/30/06
BC DL	10.0	PSF	DRW HCUSR215 06089038
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 114229
DUR.FAC.	1.25		FROM CDM

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

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

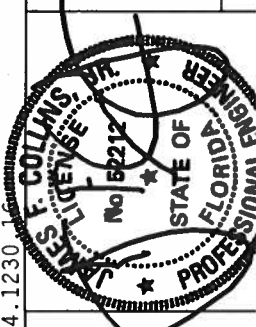
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.
Deflection meets L/360 live and L/240 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

Right 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 6-4-7.



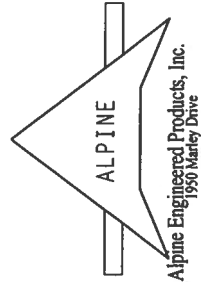
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave/R	FL/-/5/-/-/R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R215-- 53502
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089011
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 114233
DUR.FAC.	1.25	FROM CDM



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC511.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 DUNDAS DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, TOLSON, W 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (B/K/H/S). STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE QUALITY AND USE OF THIS FOUNDATION AND ANY BUILDING FOR THE TRUSS COMPONENT SHALL BE THE RESPONSIBILITY OF THE USER.



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

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

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

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

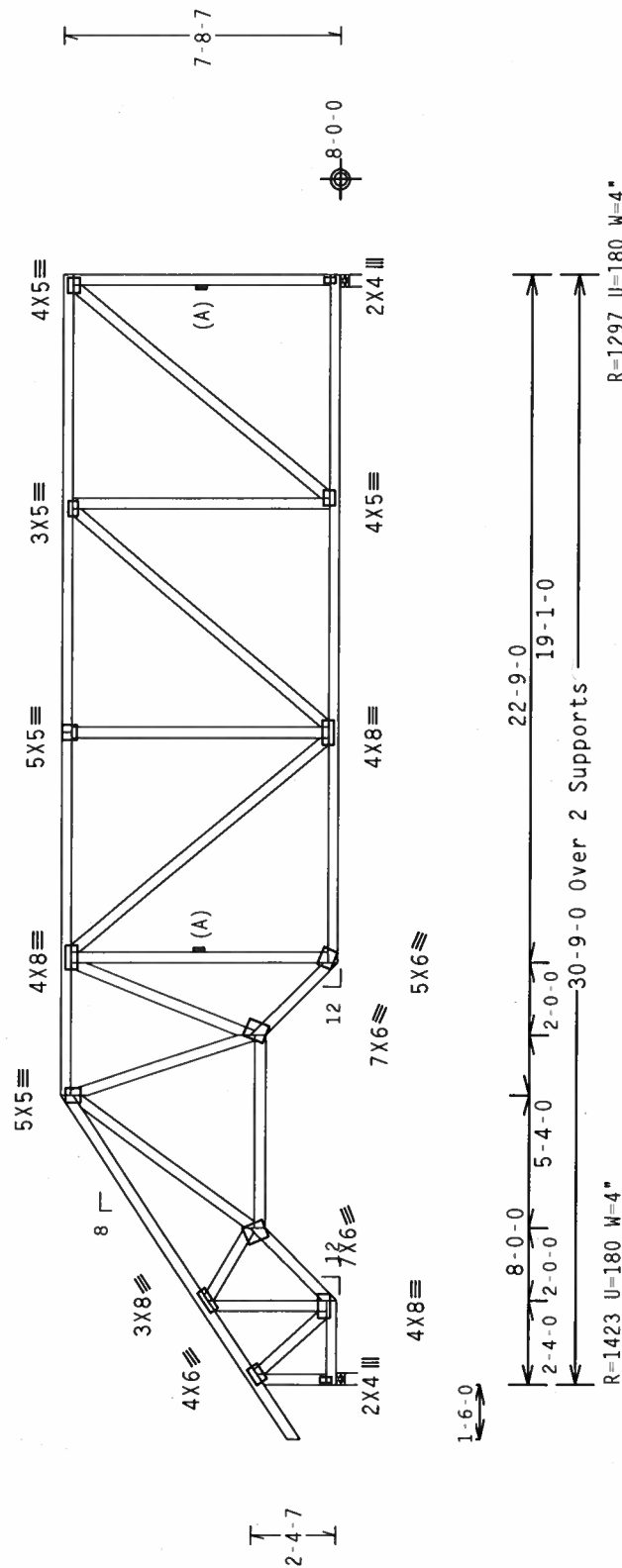
Plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.

(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 7-8-7.



PLT TYP. Wave/R

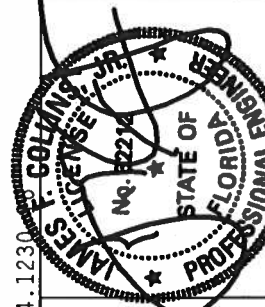
Design Crit: TPI-2002(STD)/FBC

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

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

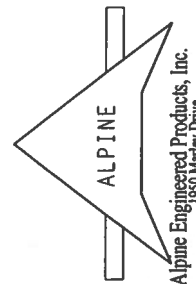
Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R215--	53503
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06089012
BC LL	0.0	PSF	HC-ENG	WHK/WHK	*
TOT.LD.	40.0	PSF	SEQN-	114237	
DUR.FAC.	1.25		FROM	CDM	



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY (KANSAS PLATE INSTITUTE) 563 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WCA WOOD TRUSS COMPANY, 1000 W. WILSON AVE., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO METING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS "NATIONAL DESIGN SPEC." REFERENCE DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS "NATIONAL DESIGN SPEC." REFERENCE CONNECTOR PLATES ARE MADE OF 20/18/166GA (W/4X16) ASTM A563 GRADE 40/60 (14 K/15S) GALV. STEEL APPLIED PLATES TO EACH FACE OF TRUSS AND OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A, 2, 3. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPII 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



(3340- /Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL - E4)

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

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

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.

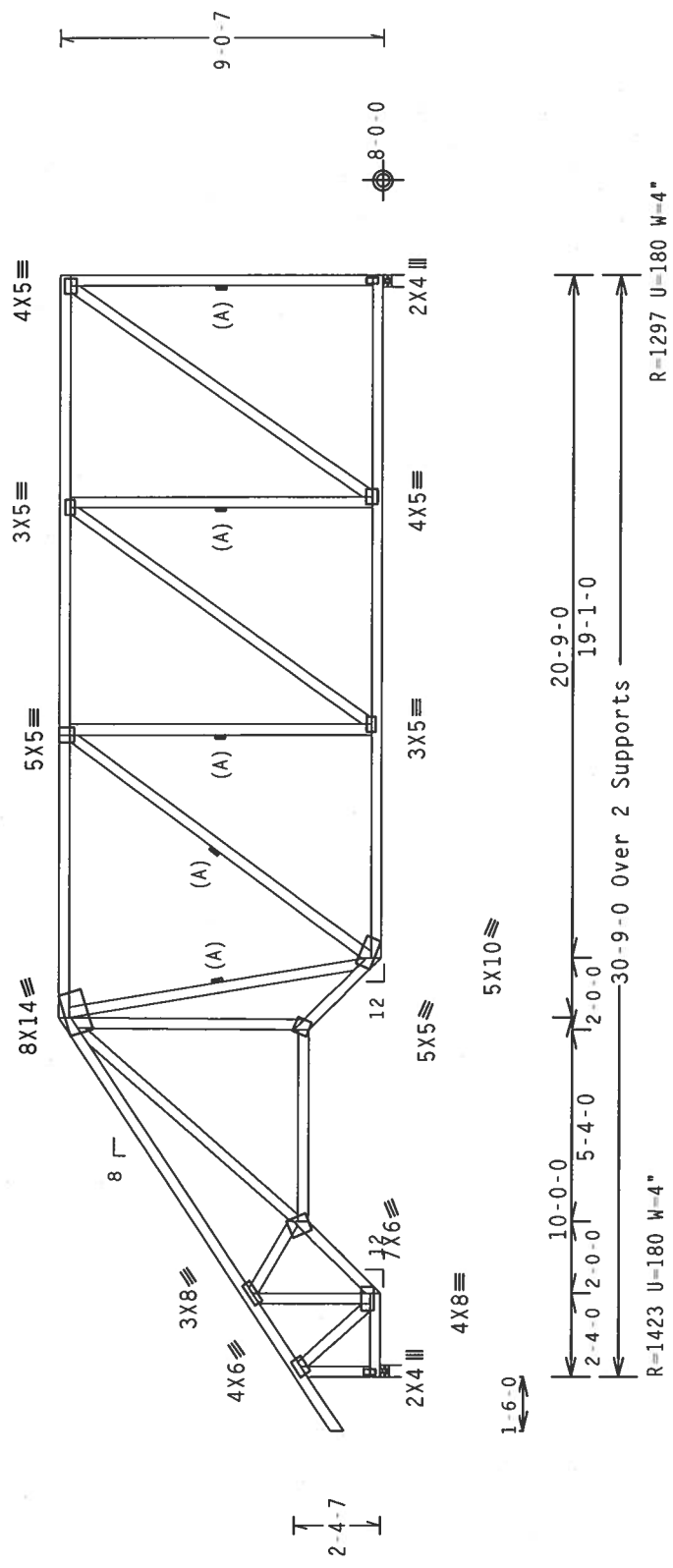
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

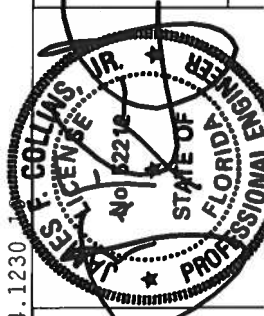
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 9'-0"-7".



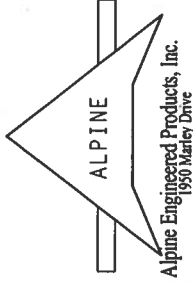
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

PLT TYP. Wave/R	FL/-/5/-/-/R/-		Scale = .1875"/Ft.	
	TC LL	20.0 PSF	REF	R215-- 53504
	TC DL	10.0 PSF	DATE	03/30/06
	BC DL	10.0 PSF	DRW	HCUSR215 06089013
	BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.			SEQN-	114241
DUR.FAC.			FROM CDM	



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRUSS.



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

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

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

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

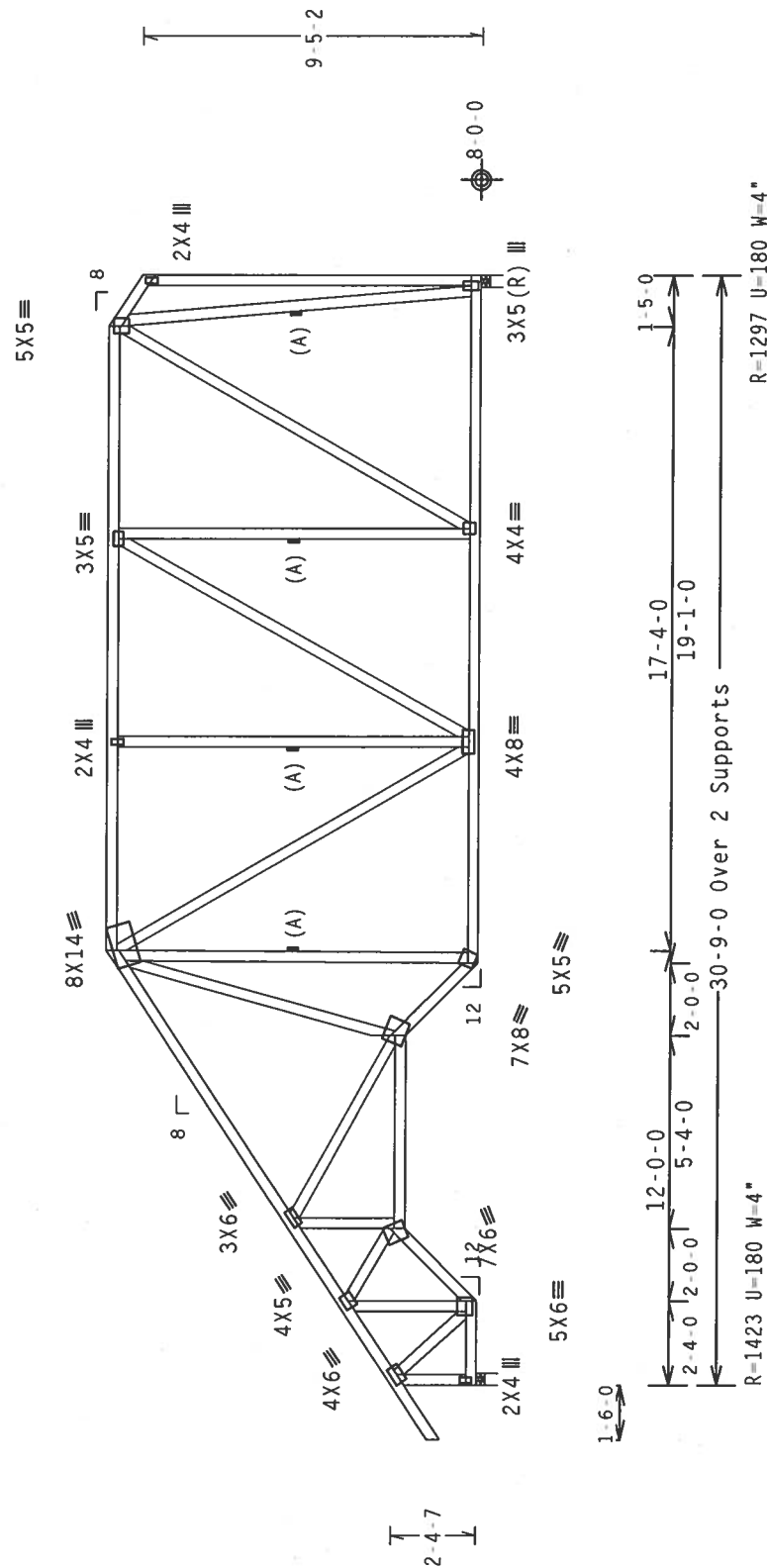
Plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.

(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"7.



PLT TYP. Wave\ R

Design Crit: TPI-2002(STD)/FBC

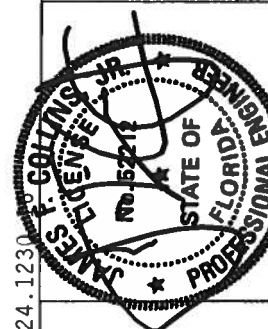
 $Cq/RT=1.00(1.25)/10(0)$ 7.24.1230

FL 1 - 151 - 1 - 1R1 -

Scale = .1875"/Ft.

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI DESIGNATION OF SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PANEL INSTITUTE, 583 N. DODGIER DR., SUITE 100, MADISON, WI 53719). FOR SAFETY'S SAKE, PREPARE ALL CHORDS AND TOP CHORDS WITH PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL WALL MEMBERS PRIOR TO ATTACHING RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE BUILDING CODES, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE CONNECTOR PLATES ARE MADE OF 20/18/16GA (IN W/5/K) ASTM A663 GRADE 40/60 (IN K/IN 5) GALV. STEEL APPLIED PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A, 2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002-SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

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

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

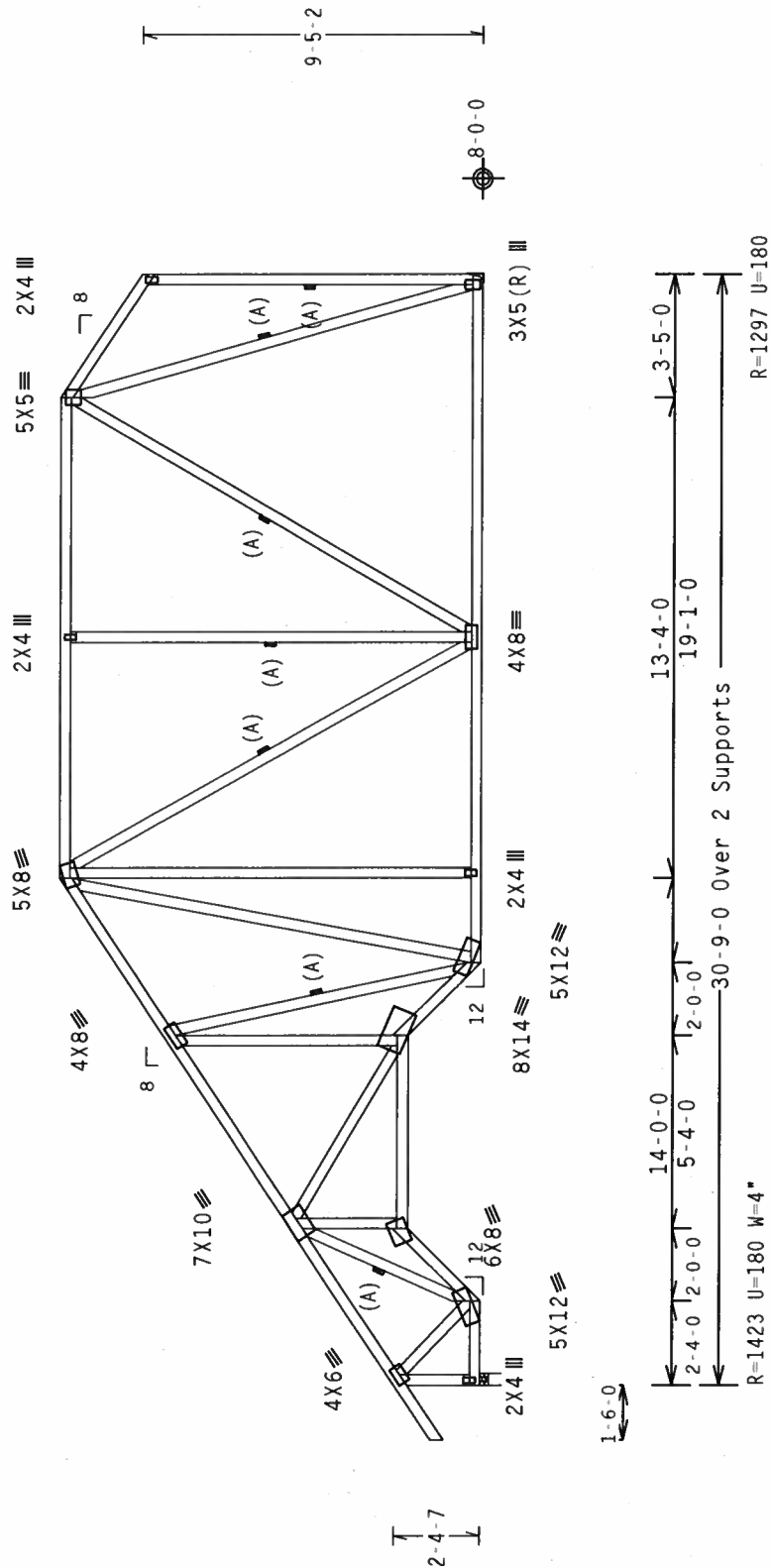
Plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.

(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 11-8-7.



PLT TYP. Wave\R

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

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

TC LL	20.0	PSF	REF R215--	53506
TC DL	10.0	PSF	DATE	03/30/06
BC DL	10.0	PSF	DRW HCUR215	06089039
BC LL	0.0	PSF	HC-ENG WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	114249
DUR.FAC.	1.25		FROM	COM



ALPINE

Alpine Engineered Products, Inc.
1950 Marlev Drive

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

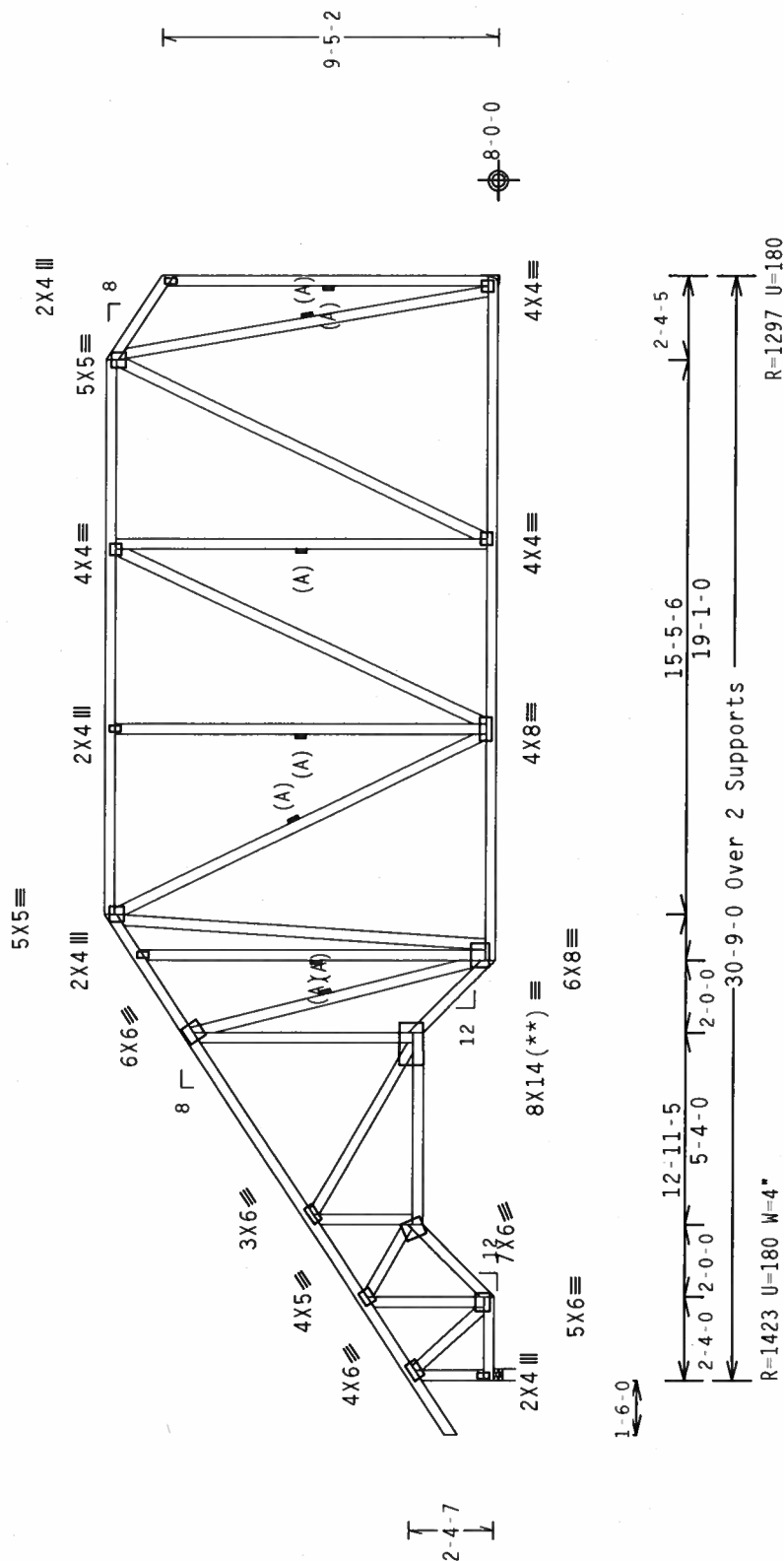
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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.

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

The overall height of this truss excluding overhang is 11'-0"-0.



PLT TYP. Wave\R

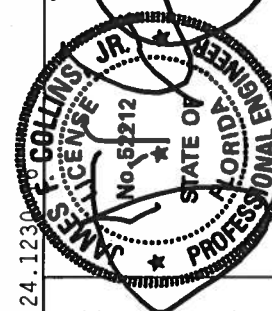
Design Crit: TPI-2002(STD)/FBC

PI-200Z (STD) / FBC
Cq/RT=1.00(1.25) / 10(0) 7.24.1230

FI 1-151-1-1R/-

Scale = .1875"/Ft.

REF	R215--	53507
DATE	03/30/06	
DRW	HCUSR215	0609040
HC-ENG	WHK/WHK	
SEQN-	114255	
FROM	CDM	



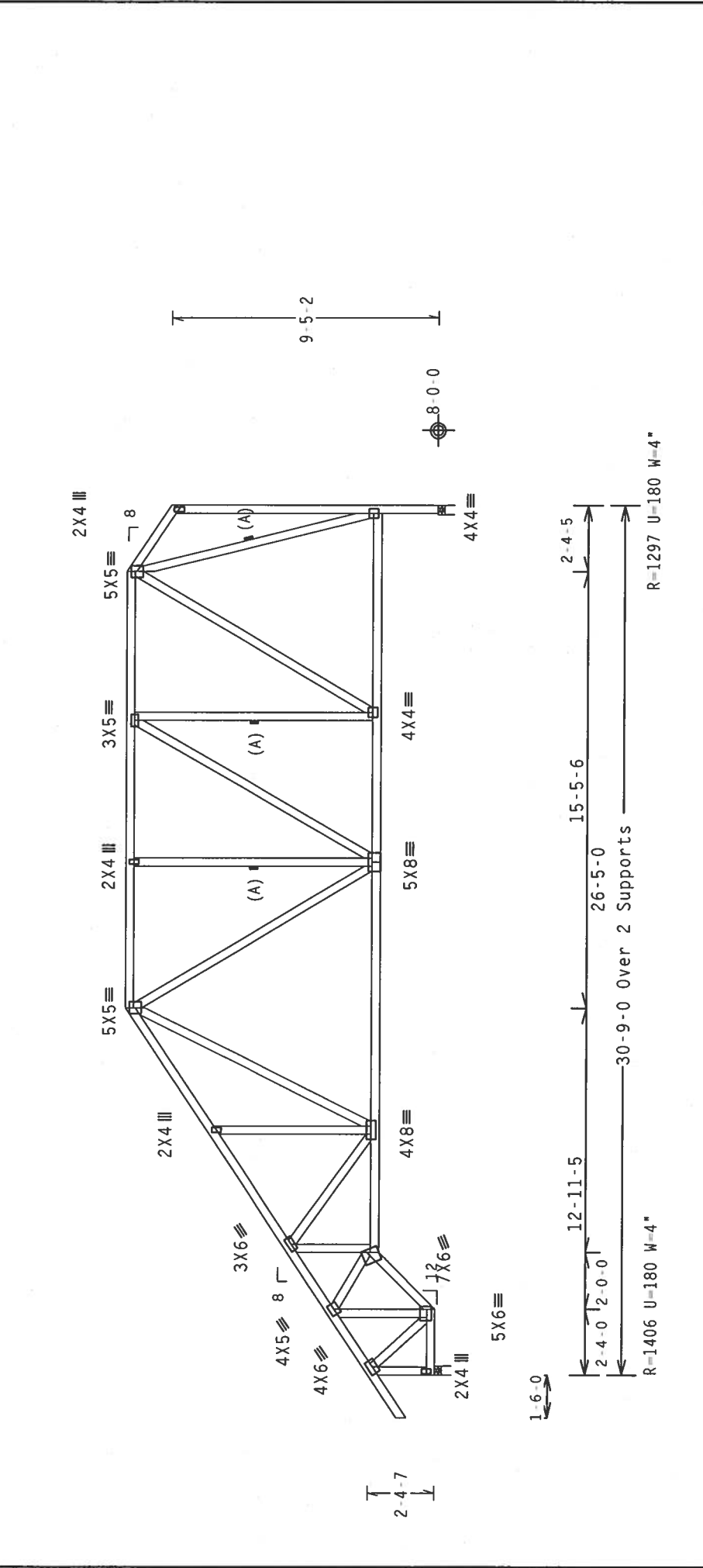
ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

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

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

Right end vertical not exposed to wind pressure.
(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 11'-0".



PLT TYP. Wave/R

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

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R215 -- 53508
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089015
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	114263
DUR.FAC.	1.25	FROM	CDM

ALPINE

Alpine Engineered Products, Inc.
1950 Moley Drive

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

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING HANDBOOK SHALL BE THE RESPONSIBILITY OF THE INSTALLER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. APPLY CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT END AND BUILDING TO THE REQUIREMENTS OF THE DESIGN SHOWN.

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

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

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

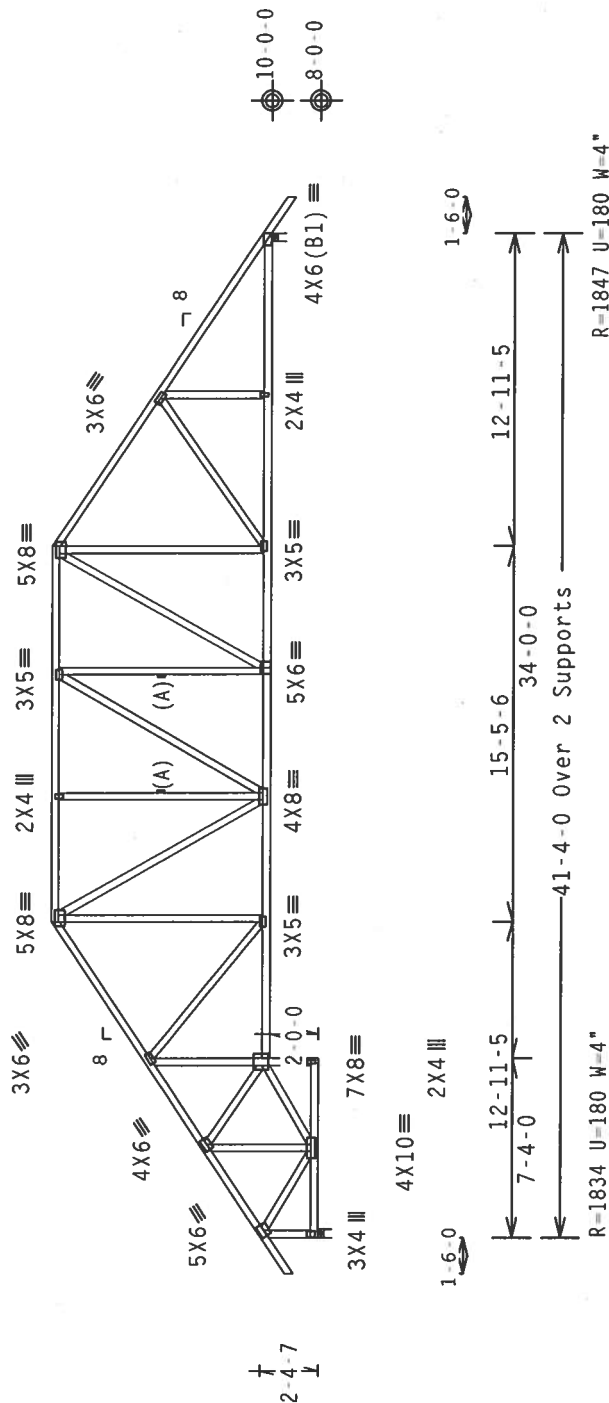
(A) Continuous lateral bracing equally spaced on member.

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

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 11'-0".



PLT TYP. Wave/R

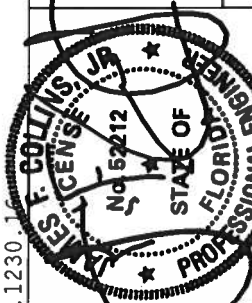
Design Crit: TPI-2002(STD)/FBC

7.24.1230.16

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

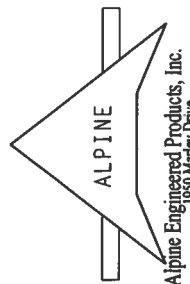
Scale = .125"/Ft.

TC LL	20.0 PSF	REF R215-- 53509
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUR215 06089016
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.L.D.	40.0 PSF	SEQN- 114267
DUR.FAC.	1.25	FROM CDM



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 100 BUILDING COMPONENT SAFETY FORMS BY THE CHES PLATING INSTITUTE 983 D'AMORE RD., SUITE 200, MADISON, WI 53719, AND WCA UPOD TRUSS COMPANY, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) BY ASEA AND TPI. THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) BY ASEA AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/50 (L/ K/H/S) GALV. STEEL. ALL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TP11-2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



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

110 mph wind. 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

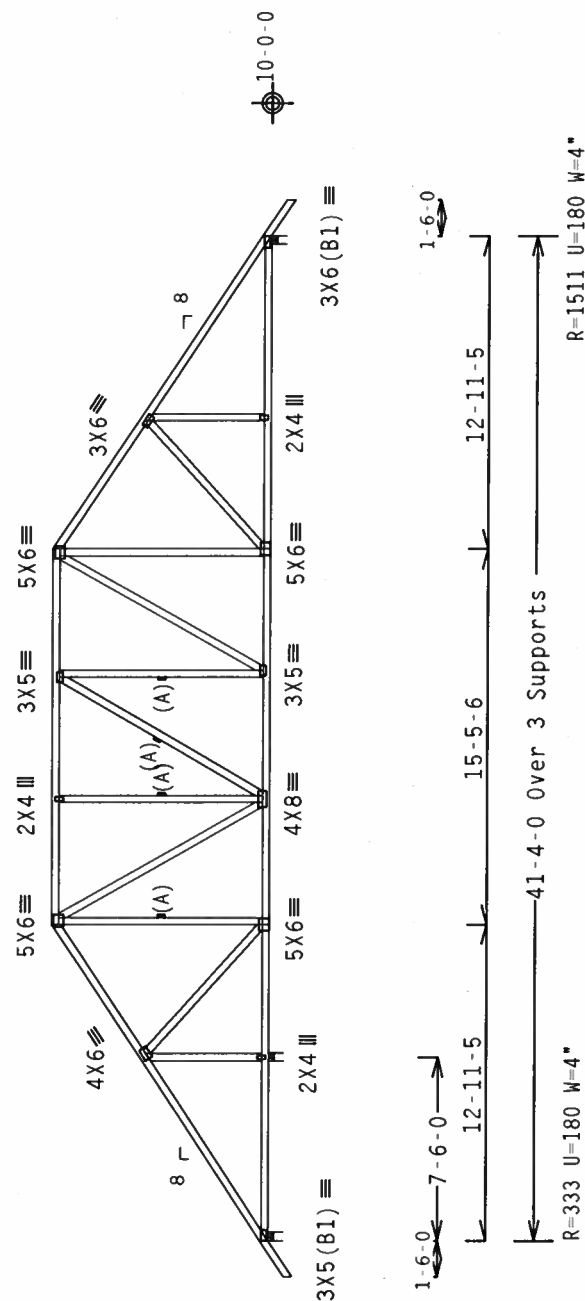
(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9-0-0.

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

$$Cq/RT = 1.00(1.25)/10(0) \quad 7 \quad 24 \quad 1230 \quad 12$$

1511-1511-1511-

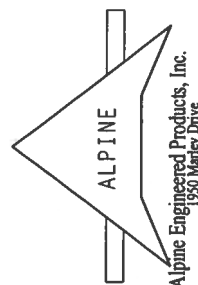
Scale = .125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 S. O'NEAL DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD GIRD. GIRDING.

TTC LL	20.0 PSF	REF	R215--	53510
TTC DL	10.0 PSF	DATE	03/30/06	

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INCORP. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL DESIGN SPEC. INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 20/18/16GA (H-V/S/PL) ASTM A653 GRADE 40/60 (IN. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC3.3. A SEAL ON THIS DESIGN SUBMITTAL STATES THE SUITABILITY OF THE PROPOSED ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING DESIGNED.

BC DL	10.0	PSF	DRW	HCUSR215	06089041
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.L.D.	40.0	PSF	SEQN-	114271	
DUR.FAC.	1.25		FROM	CDM	



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

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

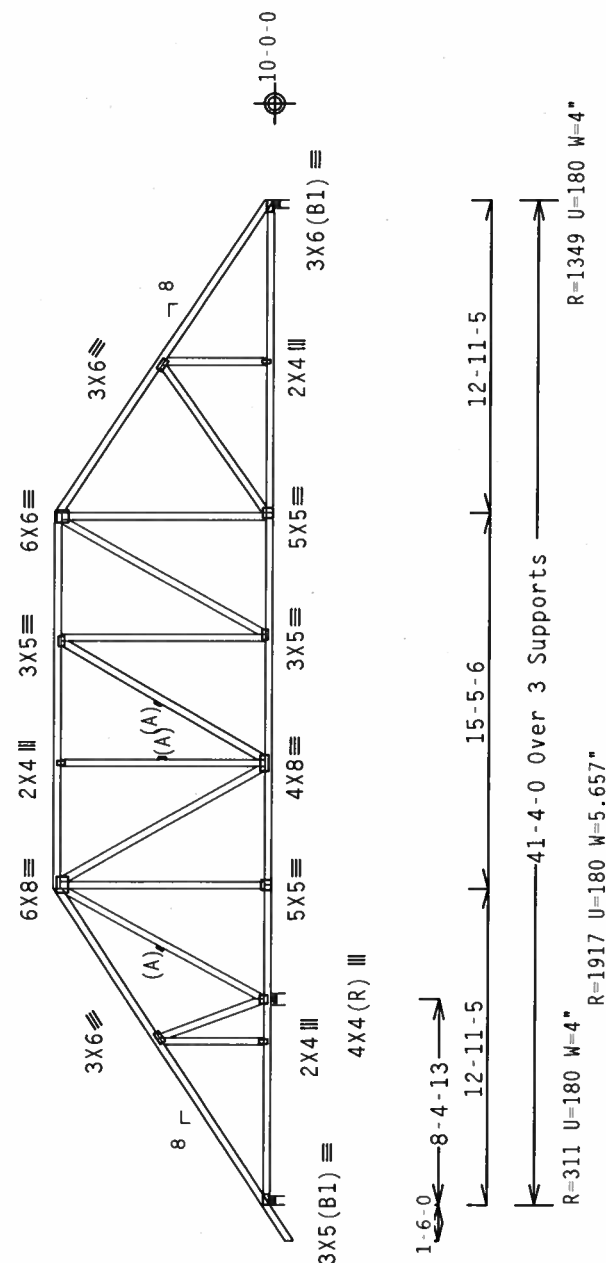
(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9-0-0.

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.



PLOT TYP: Wave/R

Design Crit: TPI-2002(STD)/FBC

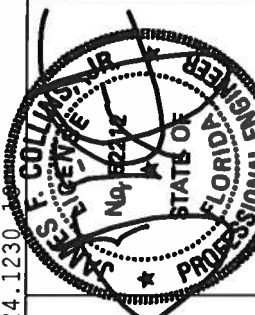
 $Cq/RT=1.00(1.25)/10(0) \quad 7.3$

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

Scale = 125"/Ft

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 582 W. OHIO DR., SUITE 200, MADISON, WI 53719, AND NCA WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE AVE., 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—URNISH 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 DESIGN CONFORMS WITH THE FOLLOWING INFORMATION: FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 70/18/166000 US MILITARY DESIGN SPEC. BY ARAPAY AND TP1. ALPINE TRUSS COMPANY HAS TESTED THESE TRUSSES AND FOUND THEM TO MEET ALL REQUIREMENTS. ONLY STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER ANCHORS. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC. 3.01. SEALS ON THE GRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT



ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

(3340-/Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL - E12)

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

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

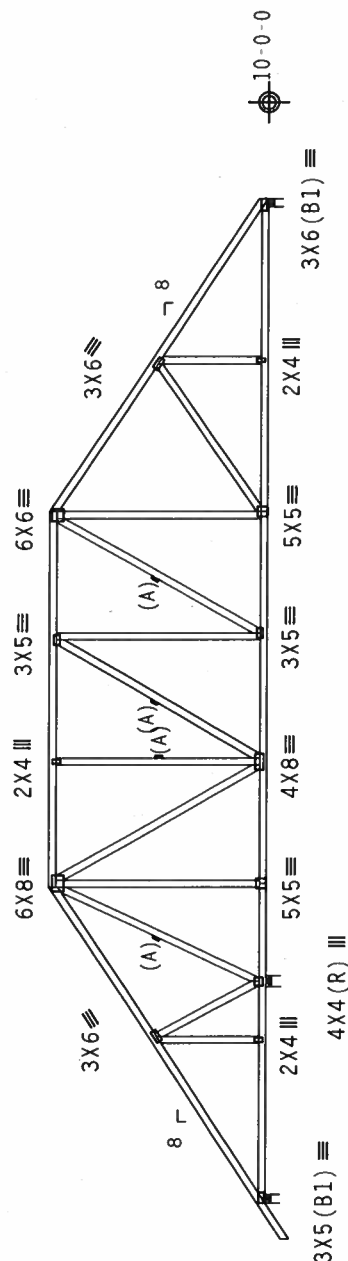
(A) Continuous lateral bracing equally spaced on member.

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 9-0-0.



1'-6-0 9-0-13

12-11-5 15-5-6 12-11-5

41-4-0 Over 3 Supports

R=322 U=180 W=4"

R=1942 U=180 W=5.657"

R=1312 U=180 W=4"

Design Crit: TPI-2002(STD)/FBC

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

7.24.1230

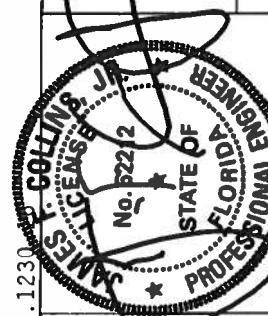
FL/-/5/-/-/R/-

Scale = .125"/Ft.

PLT TYP. Wave\R

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATION FOR STEEL CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. UNLESS OTHERWISE INDICATED, ALL STEEL SHALL BE A36 STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE CREATING, ITV AND USE OF THIS DRAWING IS THE RESPONSIBILITY OF THE USER.



IC LL	20.0 PSF	REF	R215--	53512
TC DL	10.0 PSF	DATE	03/30/06	
BC DL	10.0 PSF	DRW	HCUSR215	06089043
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	114323	
DUR.FAC.	1.25	FROM	CDM	

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

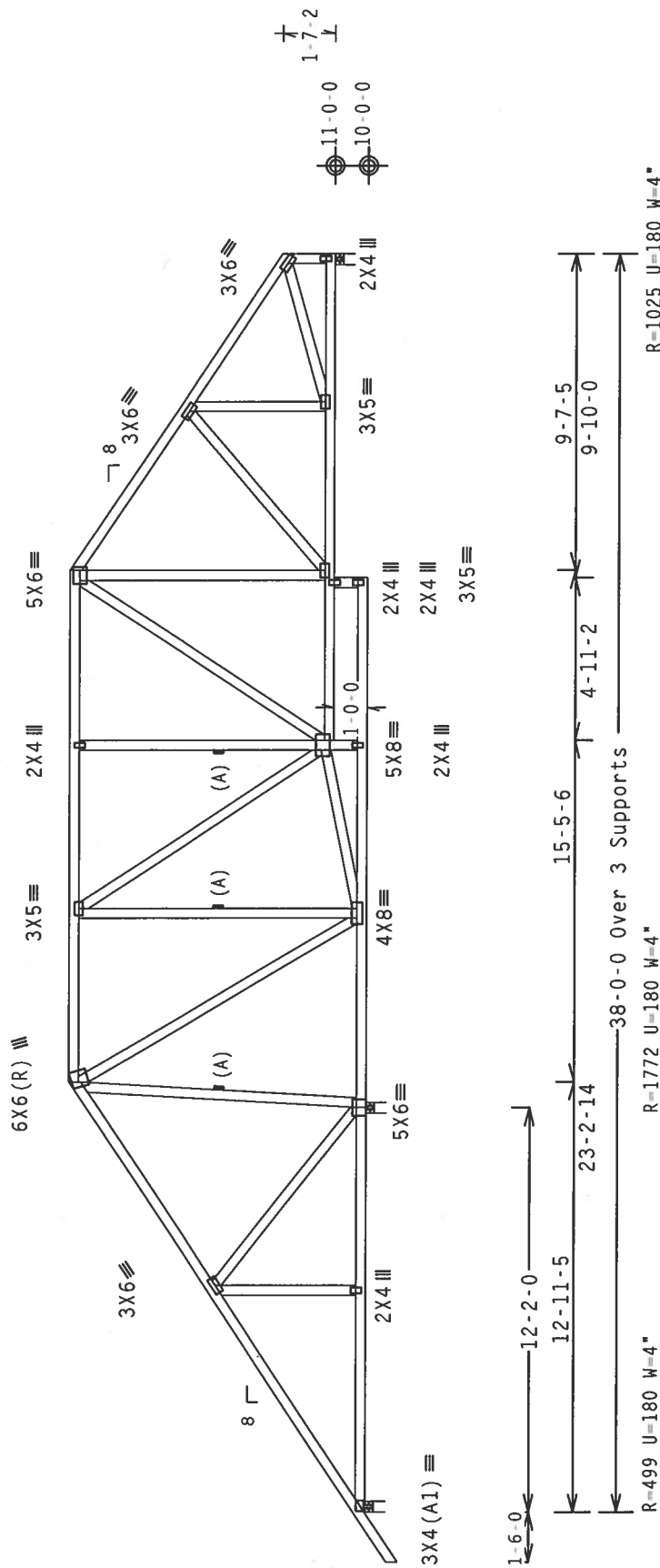
(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9-0-0.

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.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

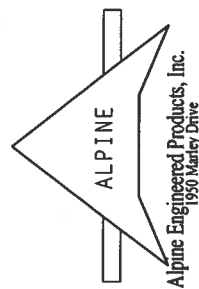
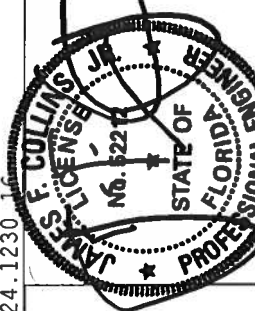
$Cq/RT=1.00(1.25)/10(0)$ 7.24.1230.16

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

Scale = .1875"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH, 1015 N. MICHIGAN DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 610 ENTERPRISE DR., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE RESPONSE TO ANY REQUESTS FOR THE BRIDGE TRUSS IN CONFORMANCE WITH TPI: PROVIDING, HANDLING, SHIPPING, INSTALLING & FRACING OF TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA. (N.W./SQ. FT.) ASTM A653 GRADE 40/60 (N.W./SQ. GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-1 2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE DATE OF INSPECTION. ALPINE ENGINEERING RESPONSIBILITY IS SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN AND THE USE OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN SHOWN AND THE USE OF THE TRUSS.



Alpine Engineered Products, Inc.
1950 Marley Drive

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

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

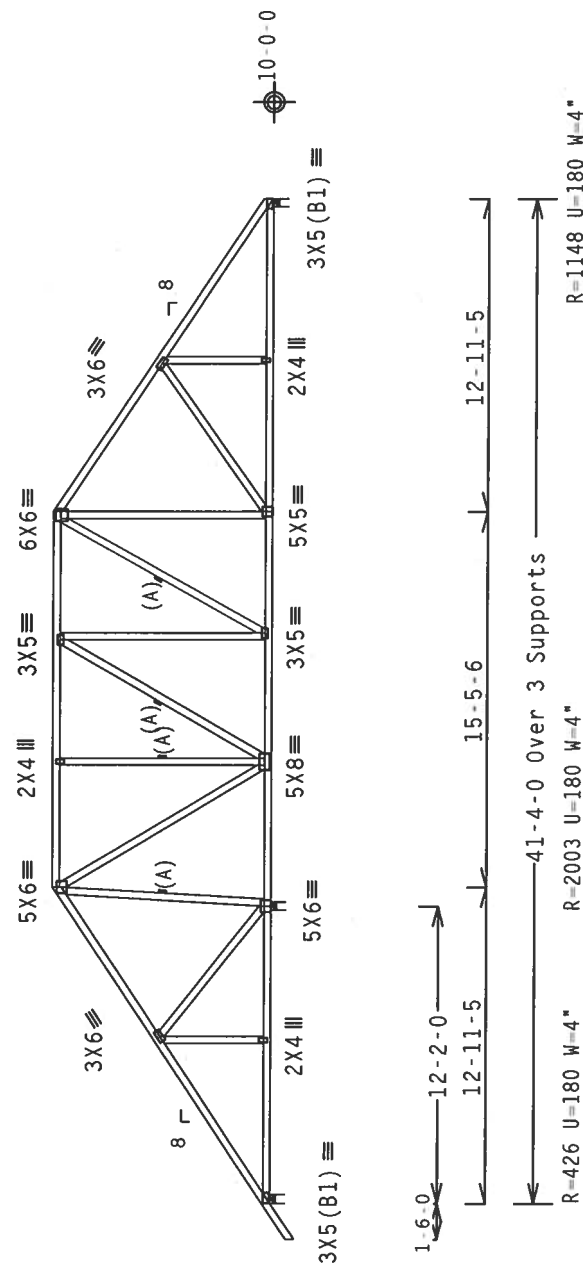
(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9-0-0.

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

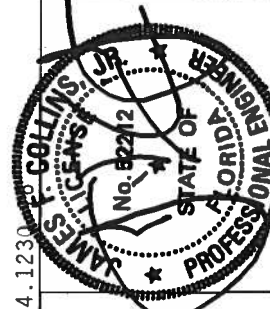
7.24.1230

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

Scale = .125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATING, INC., 983 D'ORFIO DR., SUITE 200, MADISON, WI 53719, AND WCA WOOD TRUSSES COMPANY OF AMERICA, 6300 ENTERPRISE BLVD., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHALL.

****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 TO THE SPECIFICATIONS OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR ALPINE AND TPI TRUSSES). CONNECTOR PLATES ARE MADE OF 20/18/16GA (H-W/S/K) ASTM A663 GRADE 40/60 (H. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN. PERMANENTLY MARK PLATES 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



Alpine Engineered Products, Inc.
1950 Marley Drive

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

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

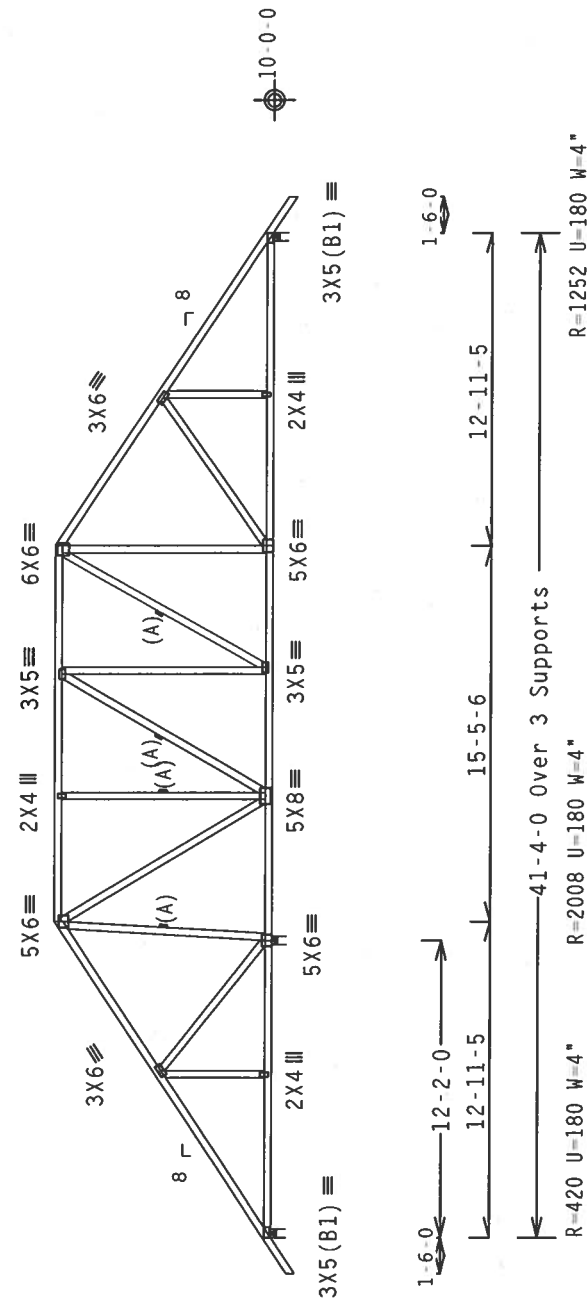
(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9-0-0.

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.



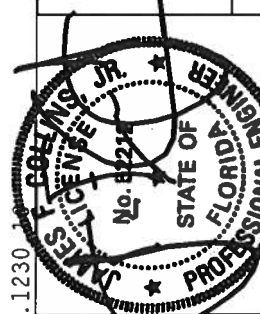
PLT TYP. Wave\R

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

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

Scale = .125"/Ft.

TC LL	20.0	PSF	REF	R215--	53515
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06089046
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	114311	
DUR.FAC.	1.25		FROM	CDM	



ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

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

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

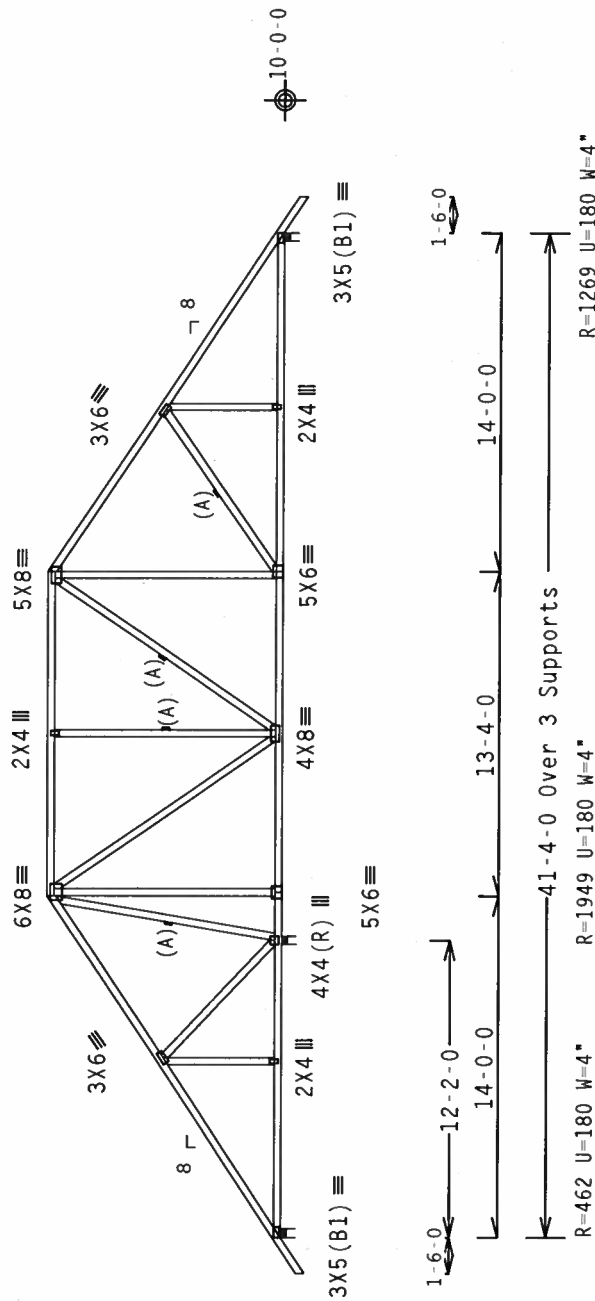
(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9-8-7.

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.



PLT TYP. Wave\ R

Design Crit: TPI-2002(STD)/FBC

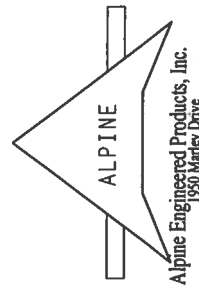
FL/-/5/-/-/R/-
Scale = .125"/Ft.

***WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BGS1 1 03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D-00NDRI0 RD., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CLING.

*** IMPORTANT *** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PROVIDE YOUR RESPONSIBILITY FOR REVIEWING AND APPROVING THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEA) AND TPI ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA W/H/S/K ASTM A563 GRADE 40 /60 (W./K.H.S.) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3.

(2) INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. SHOWN FOR THE SUBMITTAL OF THE TRUSS ONLY.

FL/-/5/-/-/R/-	Scale = .125"/Ft.
REF	R215-- 53516
DATE	03/30/06
DRW	HCUSR215 05089047
HC-ENG	WHK/WHK
SEQN-	114307
FROM	CDM



(3340-/Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL - E17)

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

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

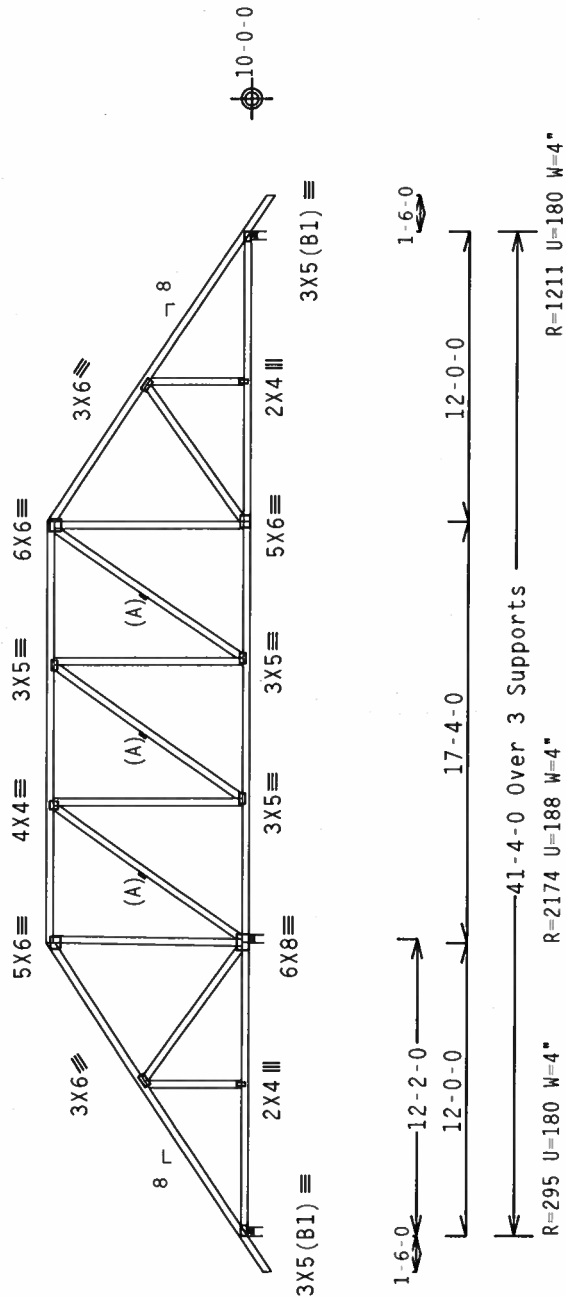
(A) Continuous lateral bracing equally spaced on member.

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 8-4-7.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

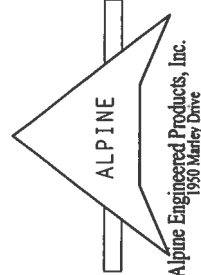
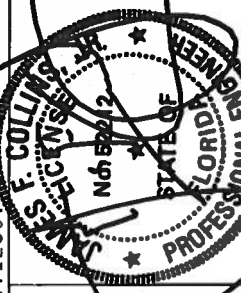
Cq/RT=1.00(1.25)/10(0) 7.24.1230.15

Scale = .125"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W-H/S/S) ASTM A653 GRADE 40/60 (IN. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN ONLY. THE ENGINEER HAS NO LIABILITY FOR THE DESIGN OF THE BUILDING OR THE FOUNDATION.

TC LL	20.0 PSF	FL/-/5/-/-/R/-	REF R215-- 53517
TC DL	10.0 PSF		DATE 03/30/06
BC DL	10.0 PSF		DRW HCUSR215 06089048
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	40.0 PSF		SEQN- 114303
DUR.FAC.	1.25		FROM CDM



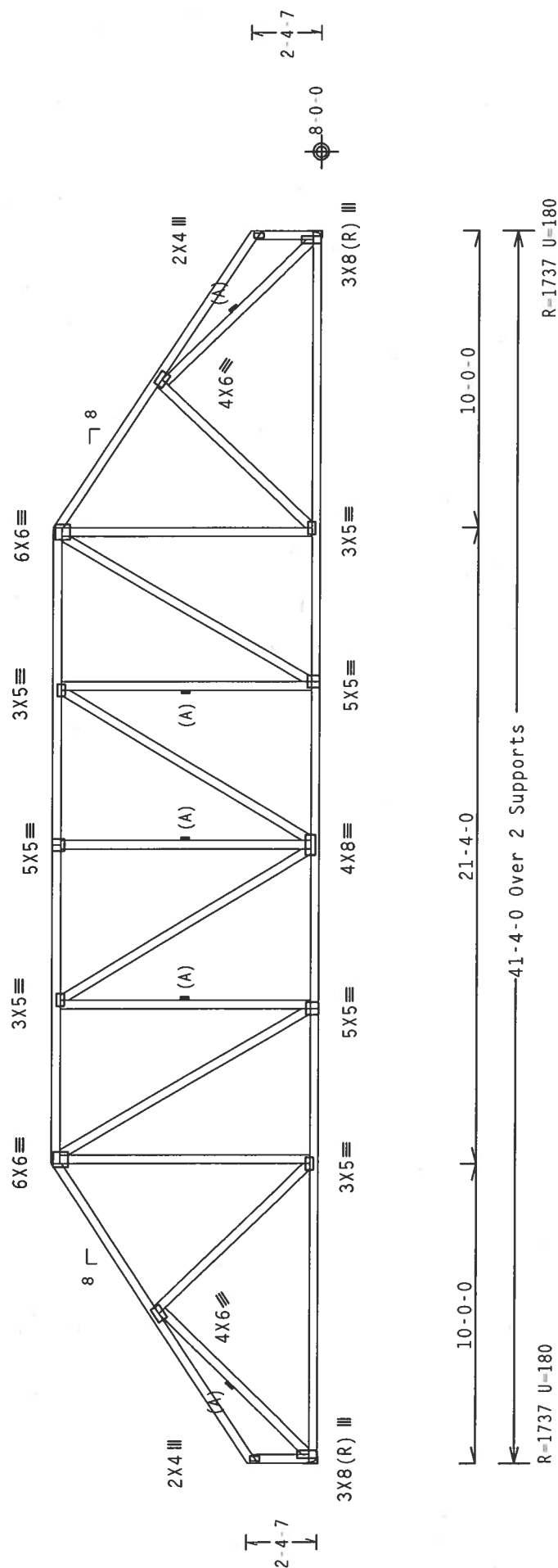
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

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

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9-0-7.



PLT TYP. Wave\R

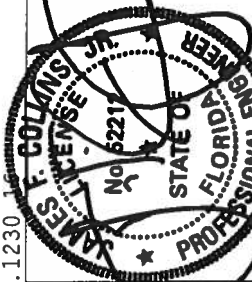
Design Crit: TPI-2002(STD)/FBC

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

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

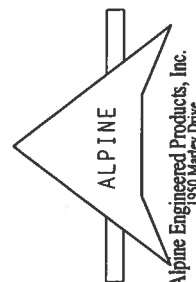
Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R215 - - 53518
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUR215 06089049
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 114293
DUR.FAC.	1.25	FROM CDM



****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS CORRESPONDING TO THE MANUFACTURING AND HANDLING, SHIPPING, INSTALLING & BRACING OF THE TRUSS DESIGN INFORMATION WITH APPLICABLE PROVISIONS OF THE IBC WILL BE AT THE USER'S RISK.

CONNECTOR PLATES ARE MADE OF 20X18/16GA (H-H/S) ASTM A663 GRADE 40/60 T / K/M/S GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



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

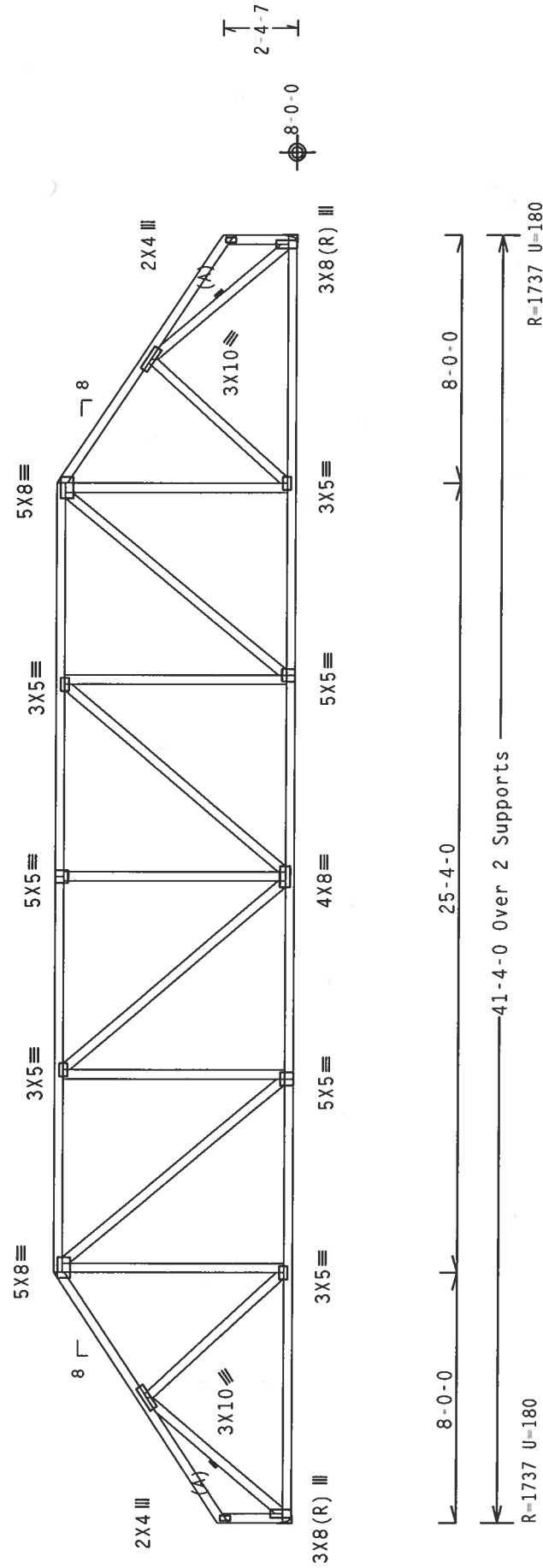
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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 7-8-7.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

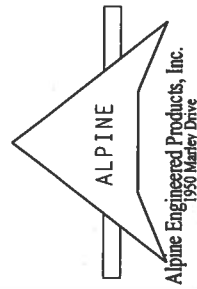
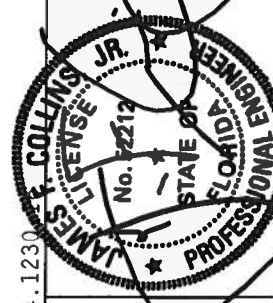
24.1230

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

Scale = .1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO TEST REPORT (FOR INFORMATION), PUBLISHED BY IPI (AMERICA) ENTERPRISE, 183 N. 10TH STREET, MILWAUKEE, WISCONSIN 53216, FOR ADDITIONAL INFORMATION. IPI, 6500 ENTERPRISE, 183 N. 10TH STREET, SUITE 200, MADISON, WISCONSIN 53716, HAS BEEN DESIGNATED AS THE MODAL CORP. FOR THE PURPOSES OF THESE FUNCTIONS. THE MODAL CORP. SHALL HAVE PROPERLY ATTACHED TOP CHORD SHALL HAVE SAFETY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL BE RESPONSIBLE FOR REVIEWING AND APPROVING ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING HANDLING, SHIPPING, STALLING, OR ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFPA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA. (W-1/2)/5% ASTM A653 GRADE 49/60 (W-1/16) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ALL JOINTS OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN.



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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

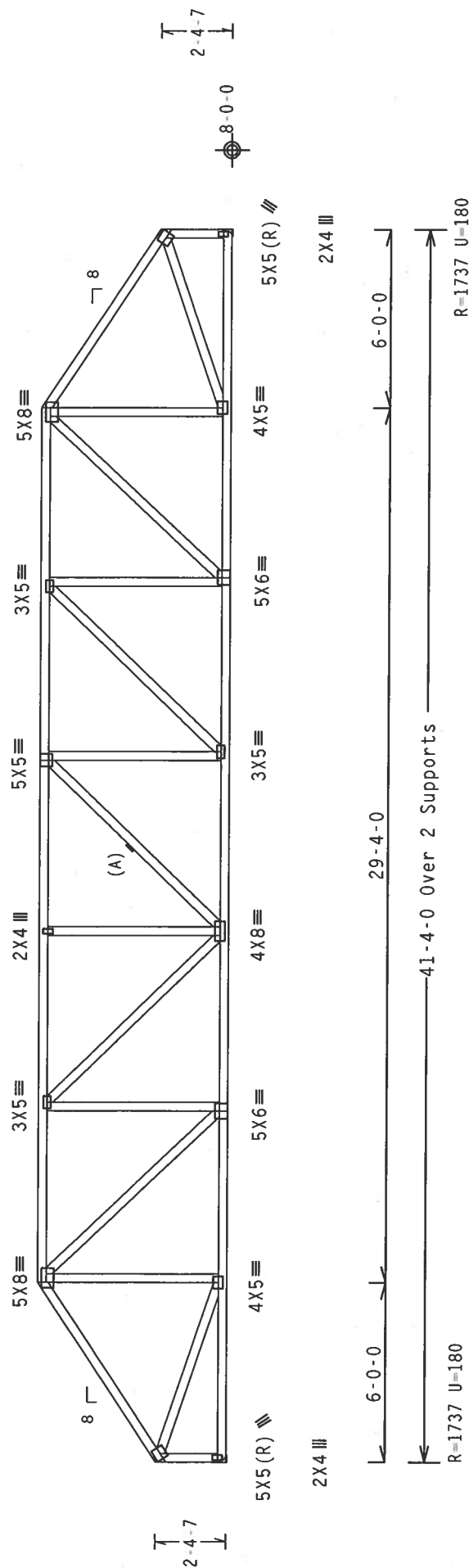
(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 6-4-7.

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.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

FI 2002(310)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.16

Scale = .1875"/Ft.

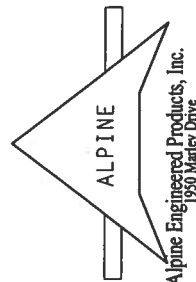
PG. 1	20.0	PSF	REF	R215 - -	53520
TC DL	10.0	PSF	DATE	03/30/06	
TC DL	10.0	PSF	DRW	HCUSR215	06089051
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT. LD.	40.0	PSF	SEQN-	114281	
DUR. FAC.	1.25		FROM	CDM	

****WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.**

REFER TO BCS1 1.03 (BUILDING COMPONENT SAFETY INFORMATION) FOR THE FOLLOWING:

D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, INC., 600 N. MICHIGAN AVE., SUITE 100, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED RIGID CEILING.

**** IMPORTANT **** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF ANY FABRICATING, SHIPPING, INSTALLING & BRACING OF TRUSS IN CONFORMANCE WITH TPI. THE DESIGN CONFORMS WITH TPI. PROVIDER'S OF NDS (NATIONAL DESIGN SPEC, BY AFPA) AND ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (.015"/.016") ASTM A563 GRADE 40/60 (W. K/H=5) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER annex A of TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS CONCEPT RESPONSIBILITY TO THE TRUSS COMPONENT DESIGNER SHOWN.



Top chord 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 64 PLF at 0.00 to 64 PLF at 41.33
BC - From 20 PLF at 0.00 to 20 PLF at 41.33
TC - 193 LB Conc. Load at 4.06, 6.06, 8.06, 10.06, 12.06
14.06, 16.06, 18.06, 20.06, 22.06, 24.06, 26.06, 28.06, 30.06
32.06, 34.06, 36.06, 38.06, 40.06
BC - 136 LB Conc. Load at 0.06
BC - 261 LB Conc. Load at 2.06
BC - 82 LB Conc. Load at 4.06, 6.06, 8.06, 10.06, 12.06
14.06, 16.06, 18.06, 20.06, 22.06, 24.06, 26.06, 28.06, 30.06
32.06, 34.06, 36.06, 38.06, 40.06

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

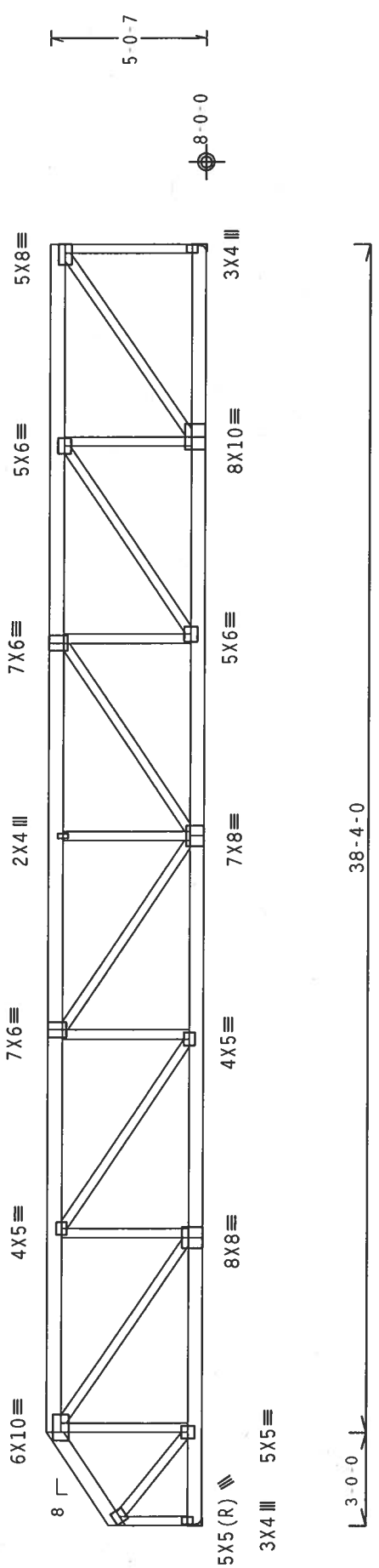
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.) nails)
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @12.00" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
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.

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

The overall height of this truss excluding overhang is 5'-0".



3'-0-0
38'-4-0
41'-4-0 Over 2 Supports
R=4551 U=746
R=4533 U=746

PLT TYP. Wave R

Design Crit: TPI-2002(STD)/FBC

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

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

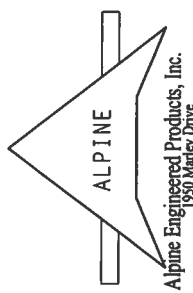
Scale = .1875" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. APPLY PLATES TO EACH JOINT OF TRUSSES. 20/16/16GA (N. 47/5/4) ASTM A653 GRADE 40/60 (N. 47/5/5) GALV. STEEL. APPLY PLATES TO EACH JOINT OF TRUSSES. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PERFORMED BY TPI. TPI SHALL BE RESPONSIBLE FOR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



TO LL	20.0 PSF	REF R215--	53521
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089052
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	114222
DUR.FAC.	1.25	FROM	CDM



(3340-/Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL - JC1)

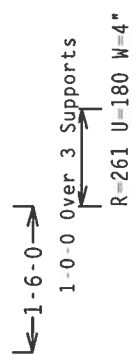
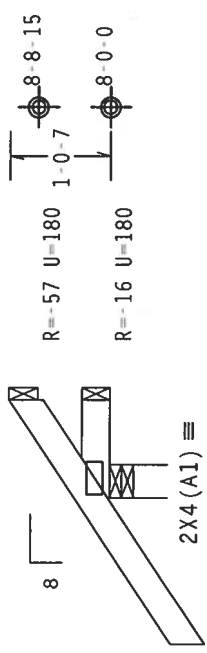
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 1-0-7.

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

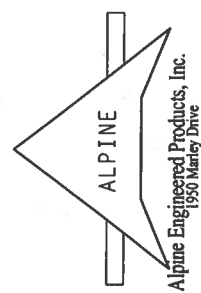
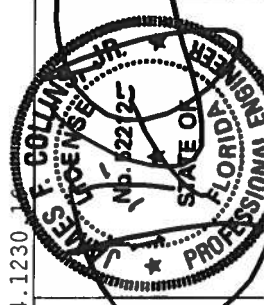
FL/-5/-/-R/- Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH TPI'S DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. DESIGN CONFORMS TO THE TPI DESIGN SPEC. BY AT&P AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA IN W/4"X4"X1/8" STEEL. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 1004-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN.

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

REF	R215--	53522
DATE	03/30/06	
DRW	HCUSR215	06089053
HC-ENG	WHK/WHK	
SEQN-	114092	
FROM	CDM	



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

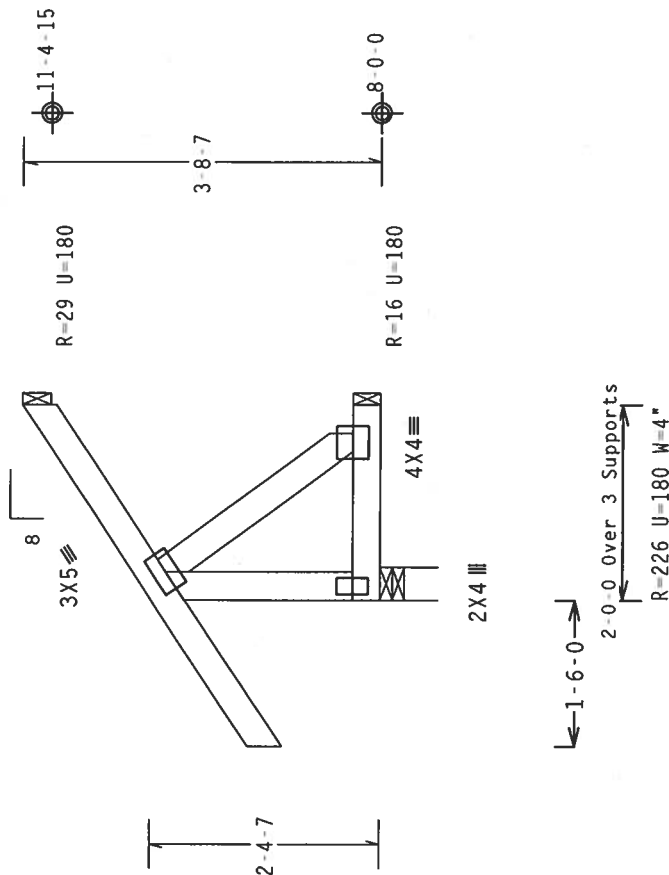
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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

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 3-8-7.



PLT TYP. Wave/R

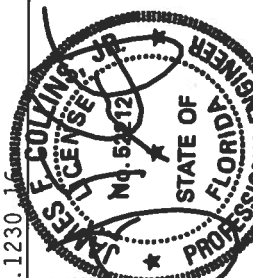
Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.24.1230.16

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

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R215 -	53523
TC DL	10.0	PSF	DATE	03/30/06
BC DL	10.0	PSF	DRW HCUR215	06089017
BC LL	0.0	PSF	HC-ENG WHK /WHK	*
TOT.L.D.	40.0	PSF	SEQN-	114120
DUR.FAC.	1.25		FROM	CDM



ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

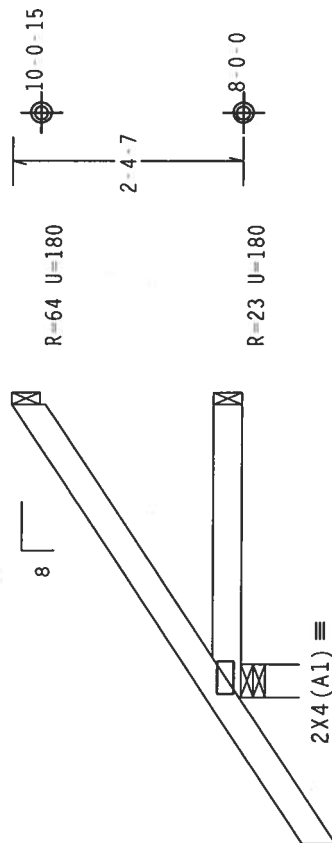
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

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

Deflection meets L/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 2-4-7.



1-6-0

3-0-0 Over 3 Supports

R=268 U=180 W=4"

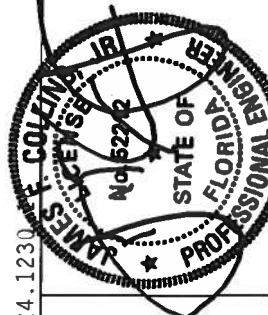
PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

 $C_0/RT=1.00(1.25)/10(0)$ 7.24.1230

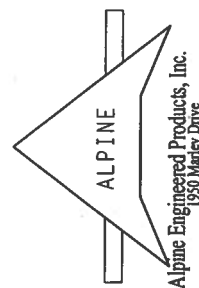
FL/-/5/-/-/R/-
Scale = .5"/Ft.

TC LL	20.0 PSF	REF R215-- 53524
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089018
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 114097
DUR.FAC.	1.25	FROM CDM



WARNING—TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY FORM), PUBLISHED BY THE TRUSS COMPANY INSTITUTE, 583 D'ONOFIO RD., SUITE 200, MADISON, WI 53719, AND WCA (WOOD PRESERVATION) 1-800-368-6868 FOR MORE INFORMATION. TRUSSES MUST BE PROPERLY BRACED TO PREVENT MOVEMENT. TRUSSES MUST BE PROPERLY ATTACHED TO THE CHORDS AND TO THE CHORDS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED TRUSS COMPANY SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE RESPONSE ALLOWANCE, OR EXCEEDING ALLOWANCE, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TP11 (TRUSS DESIGN SPECIFICATION BY AIA). CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/M/3/16) ASTM A653 GRADE 40/60 (W. 6/16-3) GALV. STEEL. ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 4 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



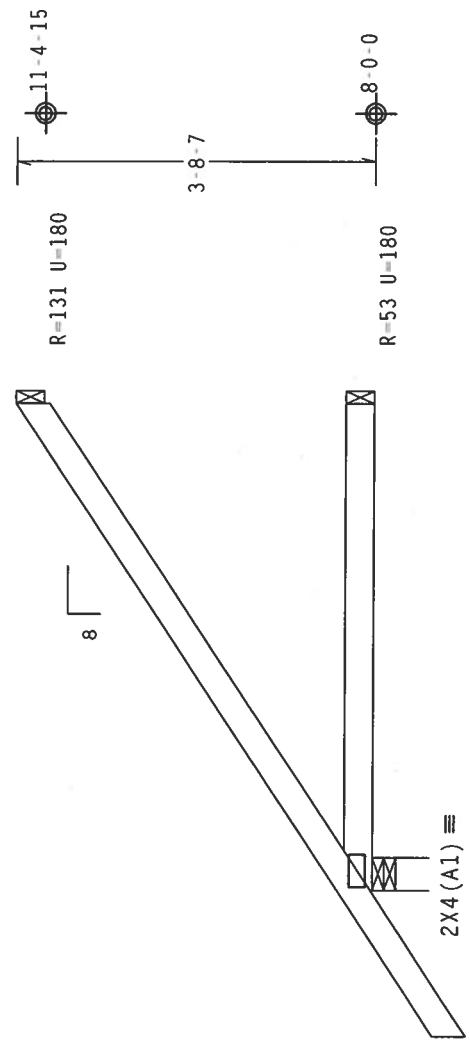
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 3-8-7.

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.



← 1-6-0 →

← 5-0-0 Over 3 Supports →
R=339 U=180 W=4"

PLT TYP. Wave R

Design Crit: TPI-2002(STD)/FBC

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

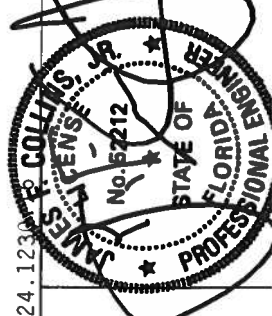
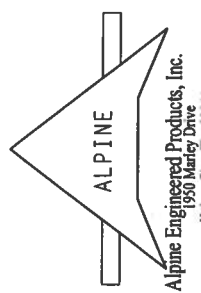
7.24.1230

EL/-5/-/-R/-

Scale = .5" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 W. ORIOLE DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., WILSONVILLE, OR 97150) FOR BEST PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



TC LL	20.0 PSF	REF	R215-- 53525
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089019
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	114100
DUR.FAC.	1.25	FROM	CDM

(3340-/Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL - JE3)

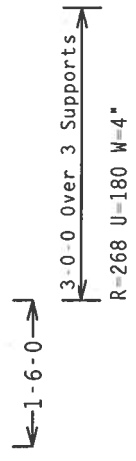
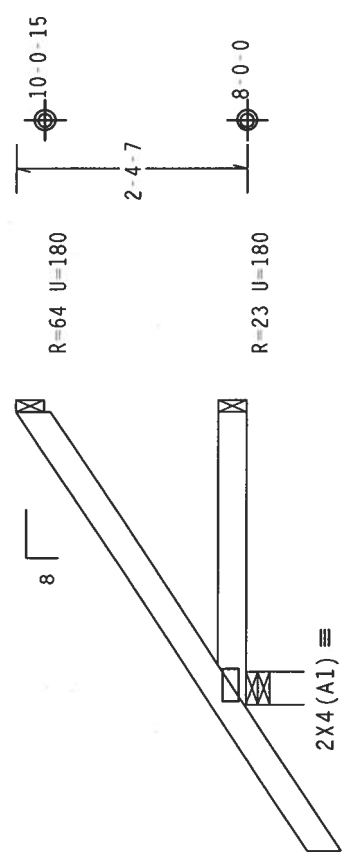
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

Deflection meets L/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 2-4-7.

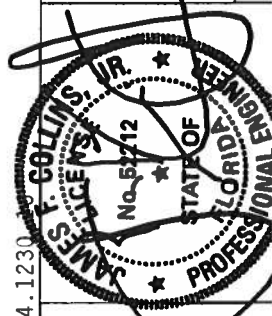


Design Crit: TPI-2002(STD)/FBC

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

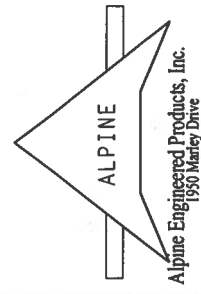
Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R215 -- 53526
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089020
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	114135
DUR.FAC.	1.25	FROM	CDM



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGNER ACCEPTS NO LIABILITY FOR THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION.



(3340-/Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL - JE4)

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

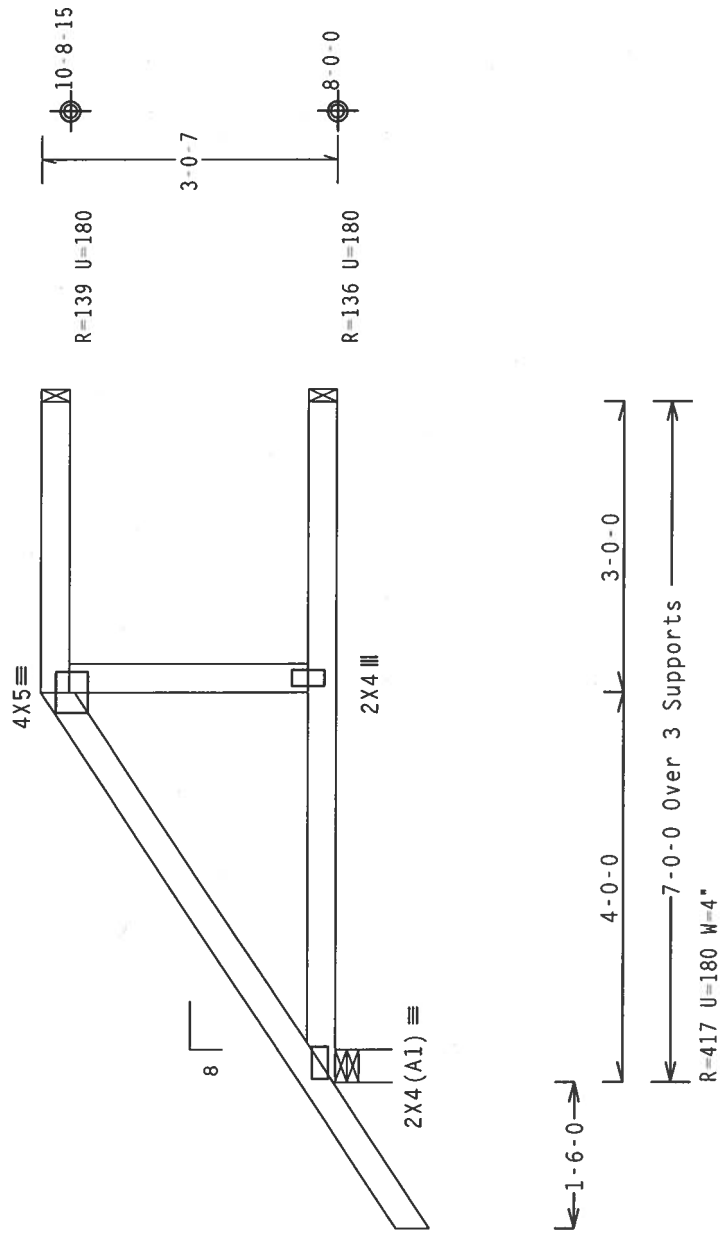
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 3-0-7.



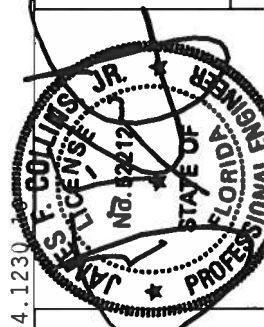
PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7-24.1230

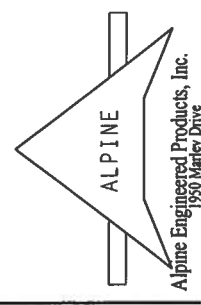
Scale = .5" / Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AS) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED, THIS DESIGN IS FOR PER A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



TC LL	20.0 PSF	FL / - / 5 / - / - / R / -	REF	R215 - -	53527
TC DL	10.0 PSF		DATE	03/30/06	
BC DL	10.0 PSF		DRW	HCUSR215	06089021
BC LL	0.0 PSF		HC-ENG	WHK / WHK	*
TOT.LD.	40.0 PSF		SEQN-	114213	
DUR.FAC.	1.25		FROM	CDM	



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

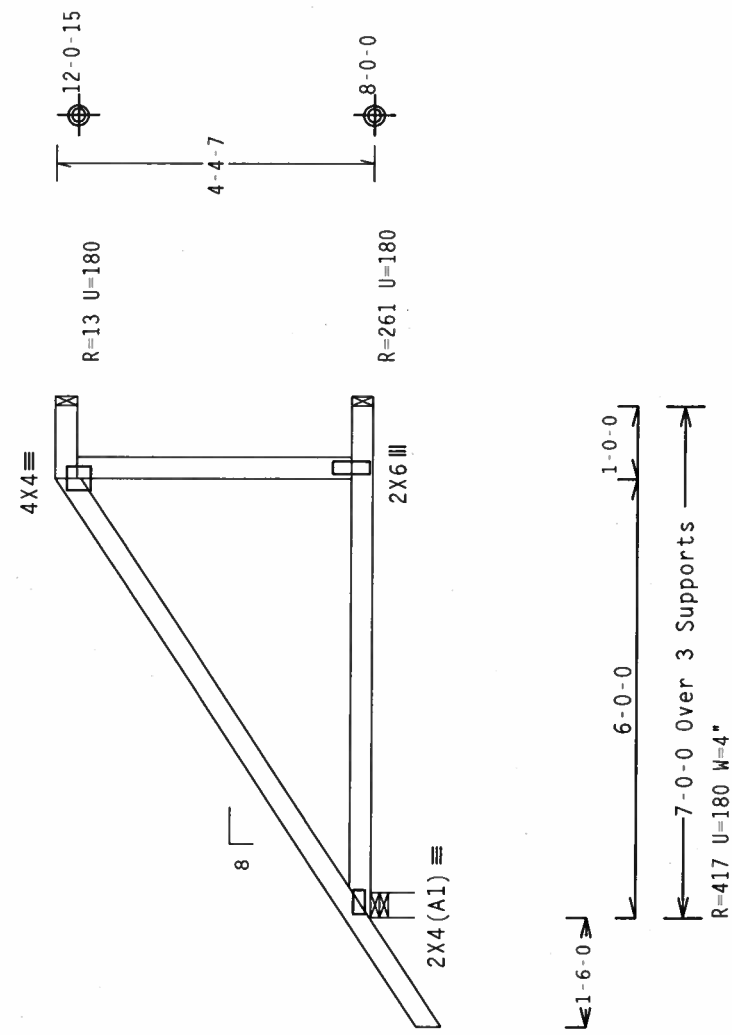
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

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

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



PLT TYP. Wave\

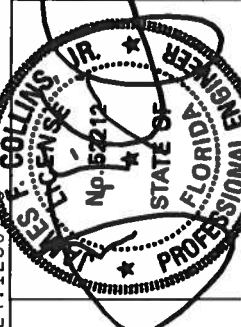
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.1230

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

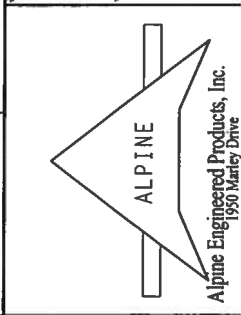
Scale = .375"/Ft.

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



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., SUITE 100, WILSONVILLE, OR 97154) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR MTCA DESIGN SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE INSTALLER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD), TPI (TRUSS PLATE INSTITUTE), AND CORRELATOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (K/IN/ST) GALV STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE CREATABILITY AND USE OF THIS DOCUMENT FOR THE DESIGN OF THE TRUSS COMPONENT IS THE RESPONSIBILITY OF THE USER.



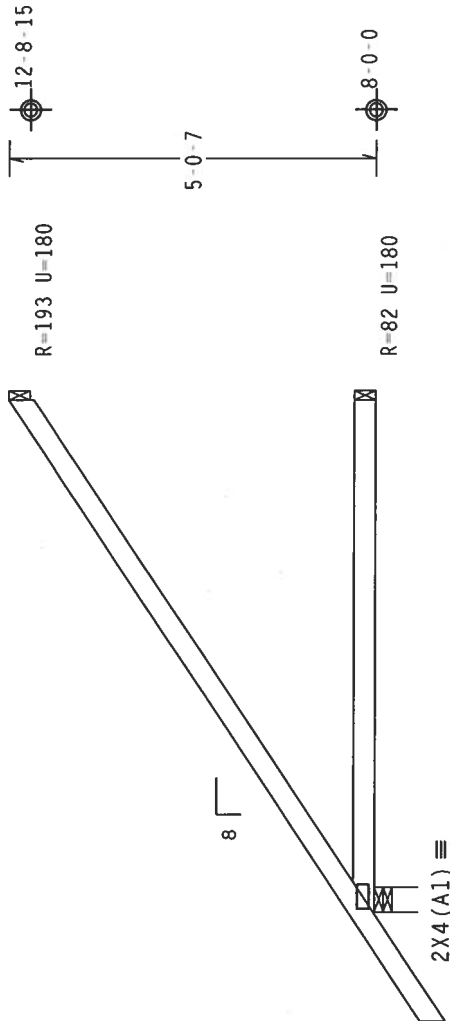
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 5-0-7.

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.



PLT TYP. Wave\R

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

7.24.1230

FL/-5/-/-R/-

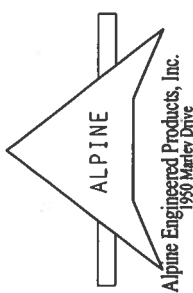
Scale =.375"/Ft.

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TC DL	10.0 PSF	DATE	03/30/06	
BC DL	10.0 PSF	DRW	HCUSR215	06089023
BC LL	0.0 PSF	HC-ENG	WHK/WHK	*
TOT.LD.	40.0 PSF	SEQN-	114104	
DUR.FAC.	1.25	FROM	CDM	



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER'S DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL BUILDING CODE, 2003 EDITION. THE CONNECTOR PLATES ARE MADE OF 2017B/16GA (W 1/2X1/8) ASTM A653 GRADE 40/50 (W 1/2X1/8) GALV STEEL. APPLIES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN.



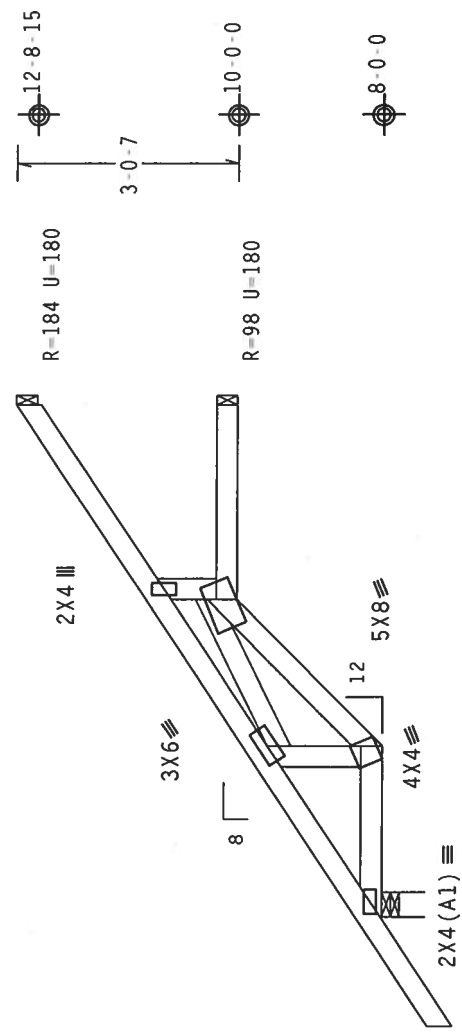
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 5-0-7.

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.



1-6-0

2-4-0 2-0-0 2-8-0
7-0-0 Over 3 Supports
R-426 U=180 W=4"

PLT TYP. Wave\R

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

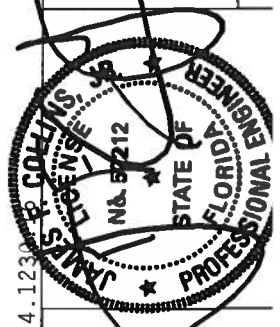
7.24.1230

EL/-5/-/-R/-

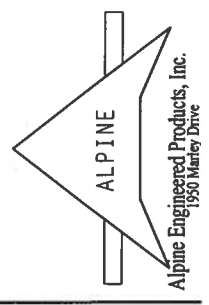
Scale =.375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC01 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND BRACING OF THE TRUSS. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION), 2010 EDITION, AND 2010 EDITION OF NDS (NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION), 2010 EDITION, AND 2010 EDITION OF NDS (NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION), 2010 EDITION. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN.



TC LL	20.0 PSF	REF	R215--	53530
TC DL	10.0 PSF	DATE	03/30/06	
BC DL	10.0 PSF	DRW	HCUSR215	06089024
BC LL	0.0 PSF	HC-ENG	WHK/WHK	*
TOT.LD.	40.0 PSF	SEQN-	114129	
DUR.FAC.	1.25	FROM	CDM	



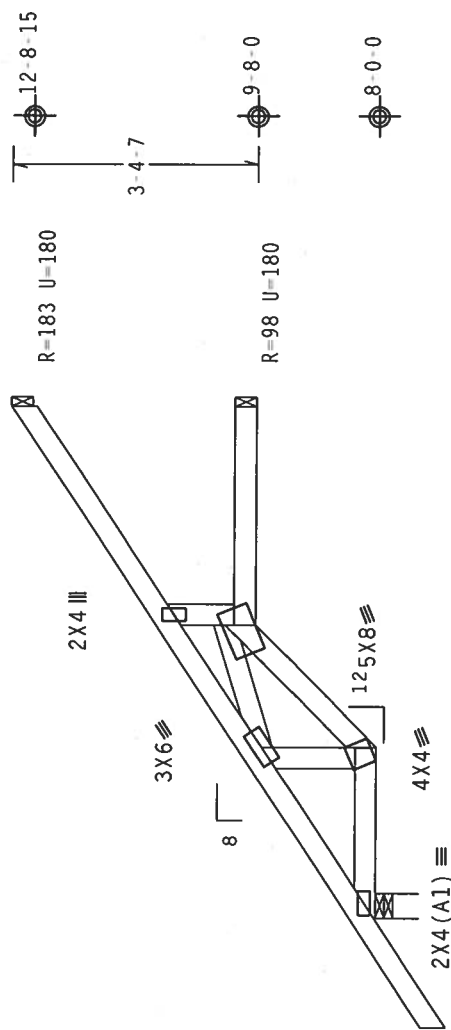
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

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

Deflection meets L/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 5-0-7.



1-6-07

2'-4" 1'-8" 3'-0" 7'-0" Over 3 Supports

R = 425 U = 180 W = 4"

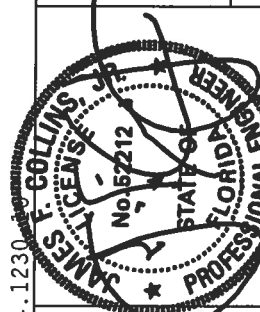
PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

7.24.1230

Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R215--	53532
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06089026
BC LL	0.0	PSF	HC-ENG	WHK/WHK	*
TOT.LD.	40.0	PSF	SEQN-	114132	
DUR.FAC.	1.25		FROM	CDM	



Alpine Engineered Products, Inc.
1950 Marley Drive

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REPAIRS TO ANY FABRICATING COMPONENTS MUST BE APPROVED BY THE MANUFACTURER. FOR ADDITIONAL INFORMATION, CONTACT THE MANUFACTURER. TRUSSES ARE AVAILABLE FROM THE FOLLOWING SOURCES:

COMPANY	ADDRESS	PHONE
TRUSS PLATE ENTERPRISE, INC.	1000 N. 10TH AVE., SUITE 100, MINNEAPOLIS, MN 55412	612-338-1200
TRUSS COUNCIL OF AMERICA	6300 ENTERPRISE LN., MADISON, WI 53719	608-261-1100

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC). INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 20/18/16GA (M/S#3) ASTM A563 GRADE 40/60 (14 K/15 S) GALV. STEEL APPLIED PLATES TO EACH FACE OF TRUSS AND (M/S#2) OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A, 2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

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

2 COMPLETE TRUSSES REQUIRED

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

Top Chord: 1 Row @12.00" o.c.

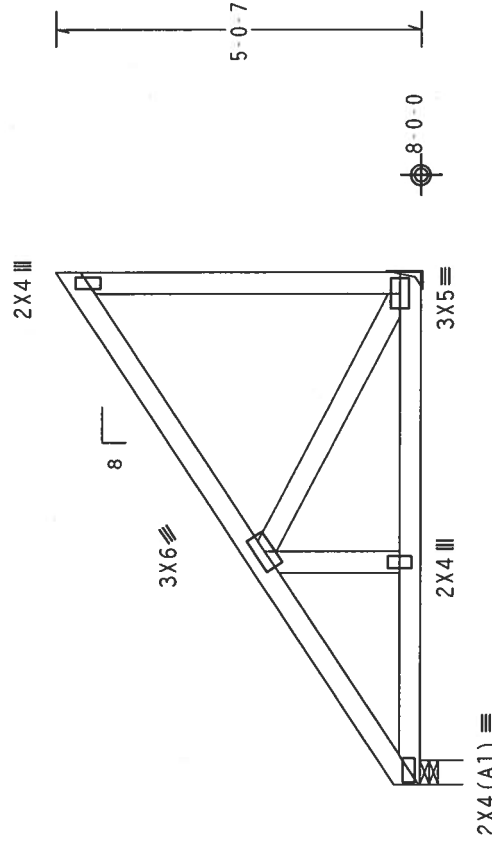
Bot Chord: 1 Row @ 7.00" o.c.

Webs : 1 Row @ 4" O.C.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

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



7-0-0 Over 2 Supports $\overrightarrow{\hspace{1.5cm}}$
 $\overleftarrow{\hspace{1.5cm}}$ R=931 U=180 W=4" R=1128 U=180

PLT TYP. Wave\ R

Design Crit: TPI-2002(STD)/FBC

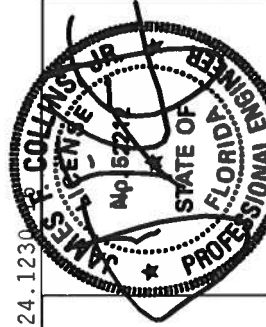
4.1230

F11-151-1-1R1-

Scale = 375"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO TEST REPORTS FOR INFORMATION ON MAXIMUM ALLOWABLE DEFLECTIONS (STRESS PLATE, TEST REPORT: 583, D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MAXIMUM TRUSS WEIGHTS (TEST REPORT: 584, D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) FOR SAEY TRUSSES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL BUILDING CODES, INCLUDING BUT NOT LIMITED TO THE 2003 INTERNATIONAL BUILDING CODE. ALL CONNECTOR PLATES ARE MADE OF 7018/116GA. (W/ H) S/KS ASTM A563 GRADE 40/60 (W/ H) S. GALV STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



ALPINE

Alpine Engineered Products, Inc.

(3340-/Lot 54 Callaway II /Chris Mills Homes -- LAKE CITY, FL - JH4)

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

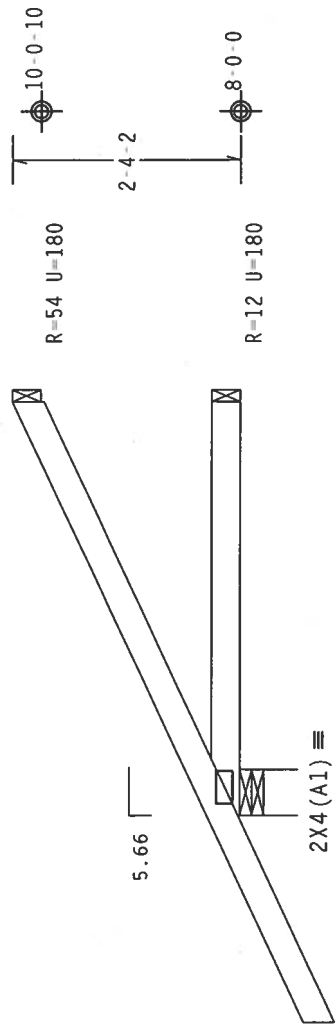
Hipjack supports 3-0-0 setback jacks with no webs.

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 2-4-2.



PLT TYP. Wave\R

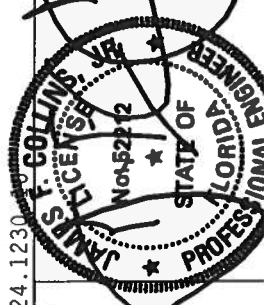
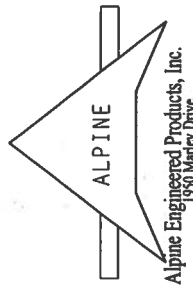
Design Crit: TPI-2002(STD)/FBC

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

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

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: PROVISIONS OF JOINTS (NATIONAL DESIGN SPEC. BY AIA) AND TPI: ALPINE DESIGN TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, PLATES TO EACH FACE OF TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



REF	R215--	53534
DATE	03/30/06	
DRW	HCUSR215	06089055
HC-ENG	WHK/WHK	
SEON-	114116	
FROM	CDM	

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	

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

Hipjack supports 4-0-0 setback jacks with no webs.

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

The overall height of this truss excluding overhang is 5-0-2.

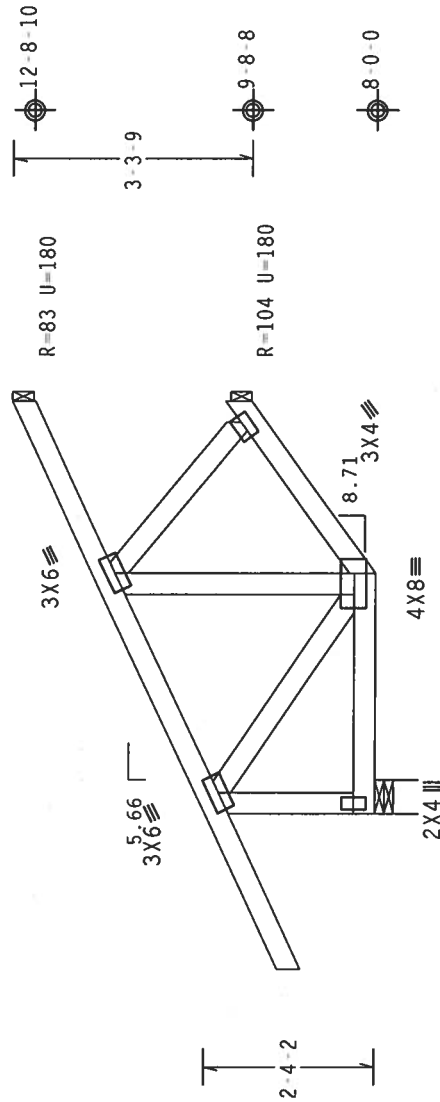
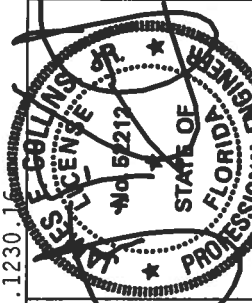


Diagram of a 10-foot long beam with three supports. The beam is divided into four segments: 3'-3"-10" (left end), 2'-4"-5" (first span), 5'-7"-14" (second span), and 2'-4"-5" (right end). The total length is 10'-0". The beam is labeled R-219 U=180 W=5.657".

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.24.1230.16

TC LL	20.0	PSF	REF	R215 -	53535
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06089056
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEON-	114123	
DUR.FAC.	1.25		FROM	CDM	



ALPINE

Alpine Engineered Products, Inc.
1950 Marlev Drive

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

110 mph wind, 21.58 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

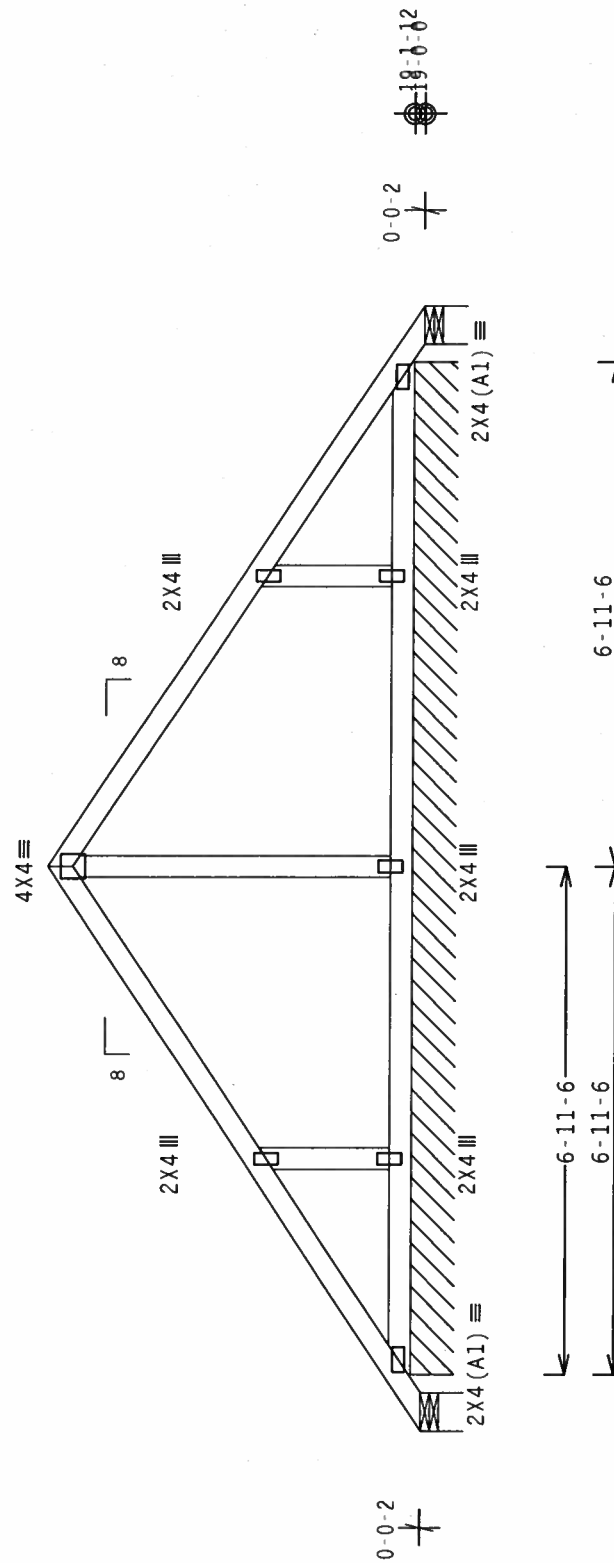
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

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

The overall height of this truss excluding overhang is 5-1-13.

REFER TO PIGBACKA0405 OR PIGBACKB0405 FOR PIGBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED
@ 24" O.C. UNLESS OTHERWISE SPECIFIED.



R=5 U=180 W=6.31"

(6.122" Effective Contact)

 $R=5 \quad ||=180 \quad W=6 \quad 309''$

(6.122" Effective Contact)

Design Crit: TPI-2002(STD)/FBC

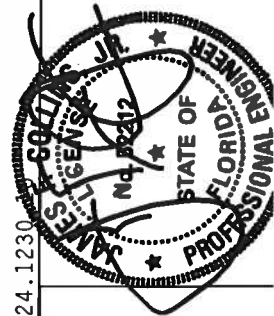
 $Cq/RT=1.00(1.25)/10(0)$ 7.24.1230

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

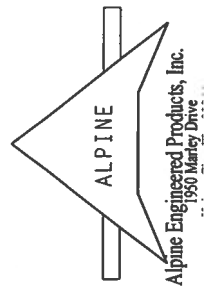
Scale = .375"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION, AND BRACING. REFER TO 8651.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE, INST. 863.02), OR 8651.04 (TRUSS SAFETY INFORMATION), PUBLISHED BY WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., SUITE 200, MADISON, WI 53719, AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL BE RESPONSIBLE FOR FABRICATING ANY FLUOROPOLYMER LINING TO BUILD THE TRUSS IN CONFORMANCE WITH TPI. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING & DRIVING OF ALPINE CONNECTOR PLATES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA. (N.W./SQ.FT.) ASTM A563 GRADE 40/60 (W. R/H-5) GALV. STEEL. APPLY PLAYERS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ALL DIMENSIONS SHALL BE PER AMERICAN STANDARD TYPICAL CONNECTIONS (T.C.) 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING. IF NO SEAL IS PRESENT, THE COMPONENT OR DRAWING SHOWN IS NOT SUITABLE AND USE OF THIS COMPONENT FOR ANY BUILDING USE, OR FOR ANY OTHER PURPOSE, IS PROHIBITED.



PLT TYP. Wave\R



TC LL	20.0	PSF	REF	R215 --	53537
TC DL	10.0	PSF	DATE	03/30/06	
BC DL	2.0	PSF	DRW	HCU215 06089058	
BC LL	0.0	PSF	HC-ENG WHK/WHK		
TOT.LD.	32.0	PSF	SEQN-	114080	
DUR.FAC.	1.25		FROM	CDM	

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

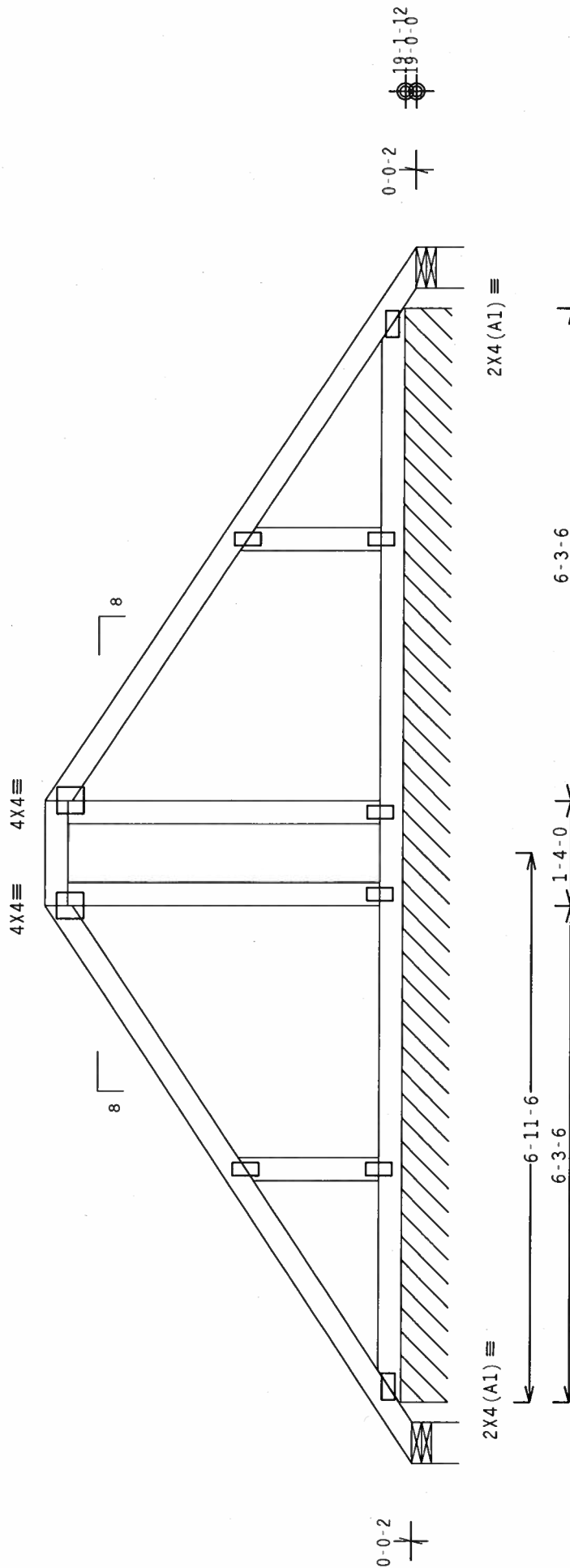
110 mph wind, 21.36 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 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 4-8-7.

REFER TO PIGBACKA0405 OR PIGBACKB0405 FOR PIGBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED
@ 24" O.C, UNLESS OTHERWISE SPECIFIED.


$$R = -1 \quad I = 180 \quad W = 6 \quad 31''$$

(6.122" Effective Contact)

15-5-6 Over 3 Supports

R=73 PLF U=25 PLF W=13-10-12

R=-1 U=180 W=6.309"
(6.122" Effective Contact)

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

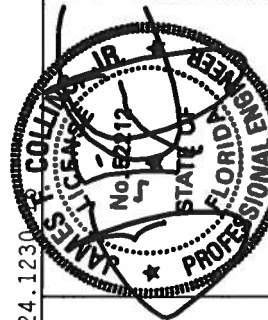
PLT TYP. Wave\R

$$Cq/RT = 1.00(1.25)/10(0) \quad 7.24.1230$$

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R215- - 53538
TC DL	10.0 PSF	DATE 03/30/06
BC DL	2.0 PSF	DRW HCUR215 06089059
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD:	32.0 PSF	SEQN- 114089
DUR.FAC.	1.25	FROM COM



****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1-403 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DEPT. OF BCS 1-403, 1000 N. 10TH ST., SUITE 100, MADISON, WI 53719), FOR SAFETY PRACTICES RELATIVE TO PROPER THUSSING. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID GIRDING.

[illegible]

Alpine Engineered Products, Inc.
1950 Marley Drive

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

110 mph wind. 20.69 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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

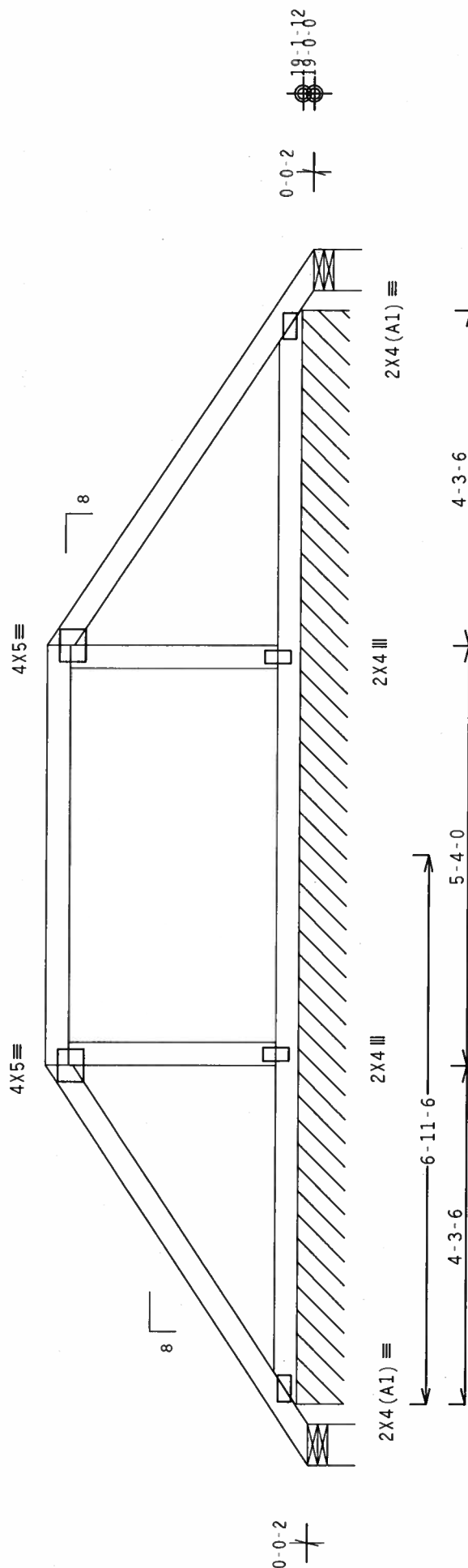
Deflection meets L/360 live and L/240 total load.

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

The overall height of this truss excluding overhang is 3-4-7.

REFER TO PIGBACKA0405 OR PIGBACKB0405 FOR PIGYBACK DETAILS.

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



R=-52 U=180 W=6.31"

(6.122" Effective Contact)

-15-5-6 Over 3 Supports

R=81 PLF U=30 PLF W=13-10-12

$$R=-52 \quad U=180 \quad W=6.309^{\circ}$$

(6.122" Effective Contact)

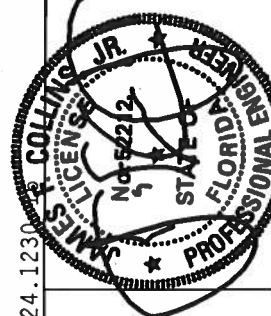
PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

 $1.2002(310)/100$ 7.24.1230

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

TC LL	20.0 PSF	REF R215-- 53539
TC DL	10.0 PSF	DATE 03/30/06
BC DL	2.0 PSF	DRW HCUR215 06089060
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	32.0 PSF	SEQN- 114086
DUR.FAC.	1.25	FROM CDM



ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

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

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

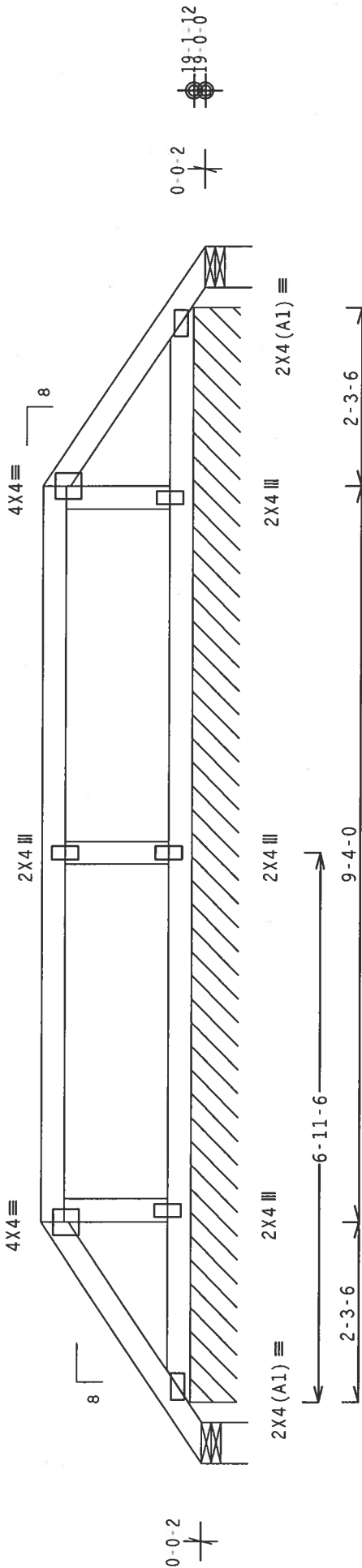
The overall height of this truss excluding overhang is 2-0-7.

REFER TO PIGBACKA0405 OR PIGBACKB0405 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGYBACK TO BE BRACED @ 24" O.C, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 20.02 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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

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



R-16 U-180 W-6.31"

(6.122" Effective Contact)

15-5-6 Over 3 Supports

R-71 PLF U-23 PLF W-13-10-12

R-16 U-180 W-6.309"

(6.122" Effective Contact)

PLT TYP. Wave/R

Design Crit: TPI-2002(STD)/FBC

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

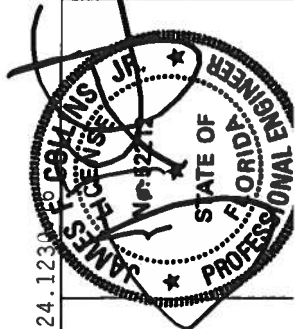
7.24.1230

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

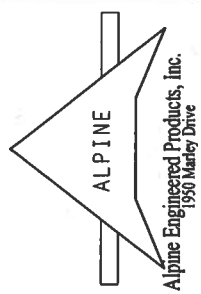
Scale = .5"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, HANDLING, SHIPPING AND INSTALLATION OF THE TRUSS IN CONFORMANCE WITH TPI'S (TRUSS PLATE INSTITUTE) NATIONAL DESIGN SPEC. BY AEPAL AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (IN. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE CREATIVITY AND USE OF THIS PRODUCT AND ANY BUILDING IS YOUR RESPONSIBILITY.



TC LL	20.0 PSF	FL/-/5/-/-R/-	Scale = .5"/Ft.
TC DL	10.0 PSF	REF R215-- 53540	
BC DL	2.0 PSF	DATE 03/30/06	
BC LL	0.0 PSF	DRW HCUSR215 06089061	
TOT.LD.	32.0 PSF	HC-ENG WHK/WHK	
DUR.FAC.	1.25	SEON- 114083	
		FROM CDM	



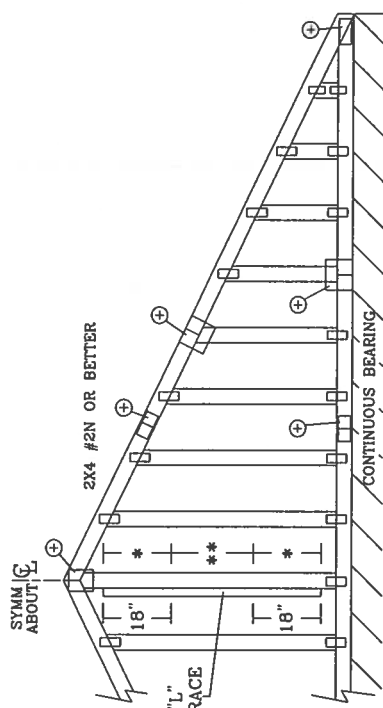
ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

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

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'

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL



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.

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).
ADJUSTABLE 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.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR

#1 / #2

STANDARD

#3

STUD

HEM-FIR

#2

#3

STUD

STANDARD

DOUGLAS FIR-LARCH

#3

STUD

STANDARD

SOUTHERN PINE

#3

STUD

STANDARD

GROUP B:

HEM-FIR

#1 & BTR

#1

DOUGLAS FIR-LARCH

#1

#2

A circular professional engineer seal for the State of Florida. The outer ring contains the text "JAMES F. COLLINS, JR." on the left and "PROFESSIONAL ENGINEER" on the right. The inner circle contains "STATE OF FLORIDA" at the top, "No. 52312" in the center, and "Exp. 12/31/96" at the bottom. There are three stars separating the text in the inner circle.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BUILDING. BUILDING CODES, ENGINEERING, AND PRODUCT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 590 CONCORD BLVD., CHICAGO, IL 60606, AND THE NATIONAL BUILDING PRODUCT 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. 2010. CONSTRUCTION OF TRUSSES AND TRUSS PLATES ARE MADE UP OF 2018/16GA C/V/SX/K ASTH A653 GRADE, 2010 C/V/K AND GALV. STEEL. CONSTRUCTION OF TRUSSES AND TRUSS PLATES SHALL BE OTHERWISE SPECIFIED ON THIS DESIGN POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES, FIELD OR OTHERWISE, SHALL BE PER ANEX A3 OF TPI-2008 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING



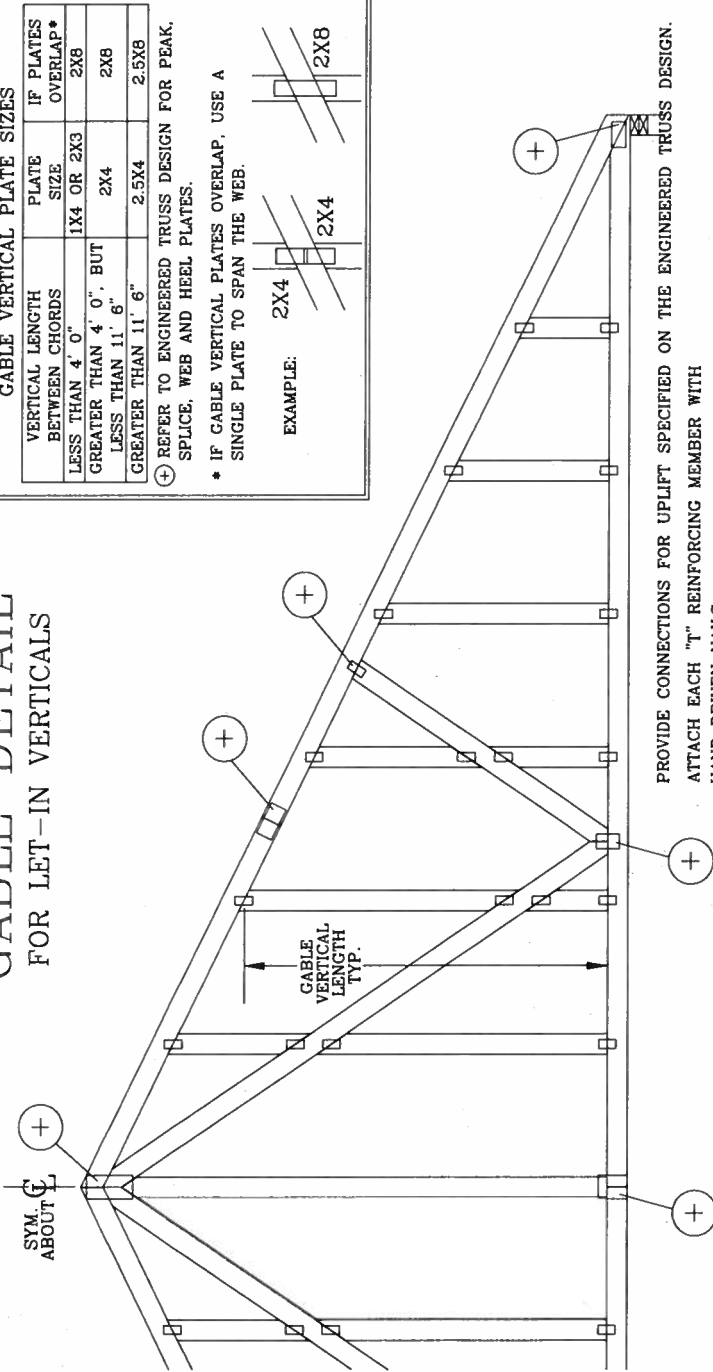
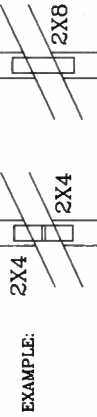
ALPINE
ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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.



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

A10015EN1103, 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

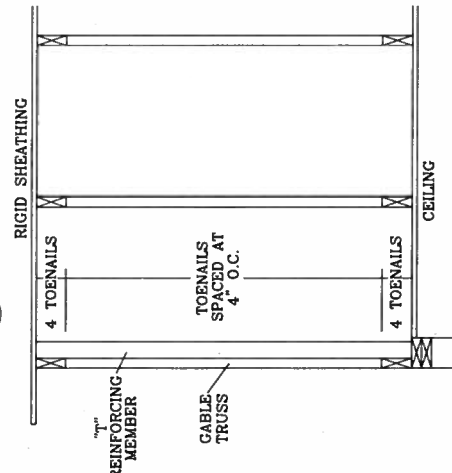
ASCE 7-02 GABLE DETAIL DRAWINGS

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.



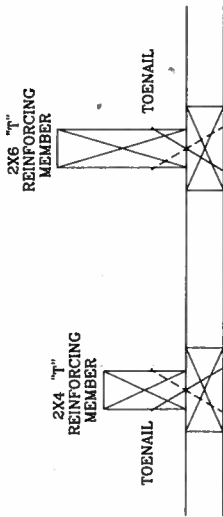
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE ALPINE TRUSS DESIGN MANUAL FOR DETAILED INSTRUCTIONS. THE ALPINE TRUSS COMPANY, 6300 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE 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. FOR WOOD CONSTRUCTION) AND TPI (TECHNICAL REPORT 10-001) UNLESS OTHERWISE SPECIFIED. ON THIS DESIGN, POSITION PER DRAWING 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWINGS GAB981117 876,719 & HC26294035

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLLETIN0405
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY



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"

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

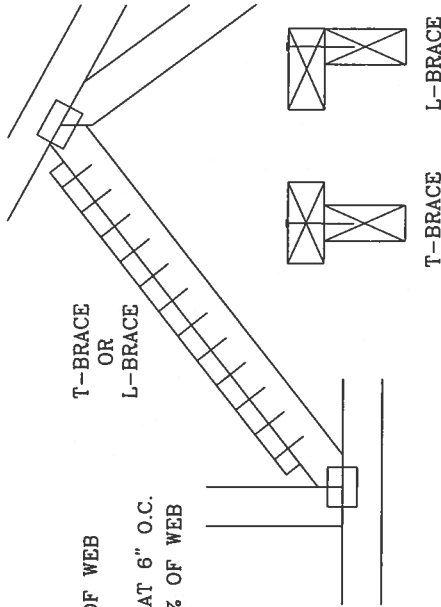
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

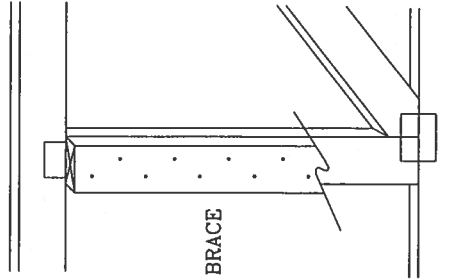
T-BRACING OR L-BRACING:

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



SCAB BRACING:

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





ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWING 579.640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			

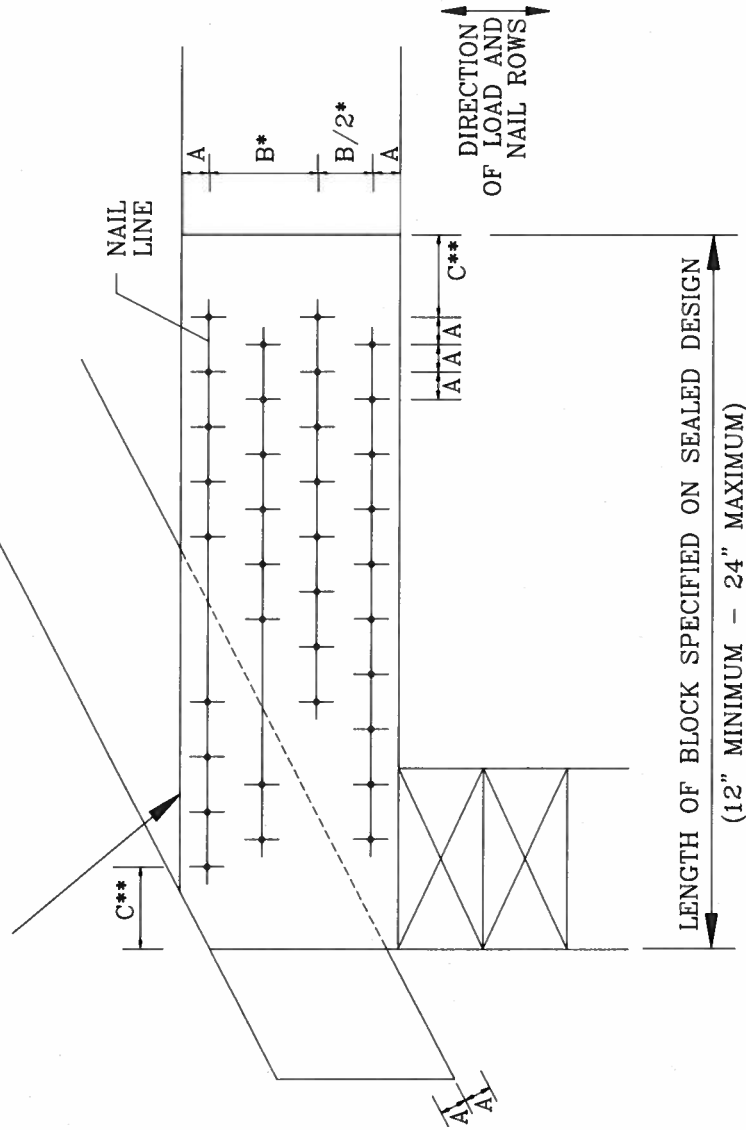
WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC11.1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 993 D'ONDRIFF DR., SUITE 200, MADISON, VI. 53719) AND VICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, VI. 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATOR'S INSTRUCTIONS SHALL BE THE RESPONSIBILITY OF THE USER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (V/H/2X) ASTM A573 GRADE, 40/60 (V/H/2X) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 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

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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)

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



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

MINIMUM NAIL SPACING DISTANCES

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

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

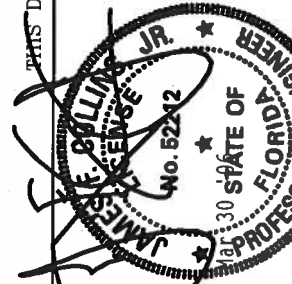
WARRING—TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE FOLLOWING INFORMATION, PUBLISHED BY THE STEEL INSTITUTE, 508 TUNNICLIFFE DR., SUITE 200, MADISON, WI 53719:

OF AMERICA, 6300 TUNNICLIFFE DR., SUITE 200, MADISON, WI 53719, FOR THE FOLLOWING:

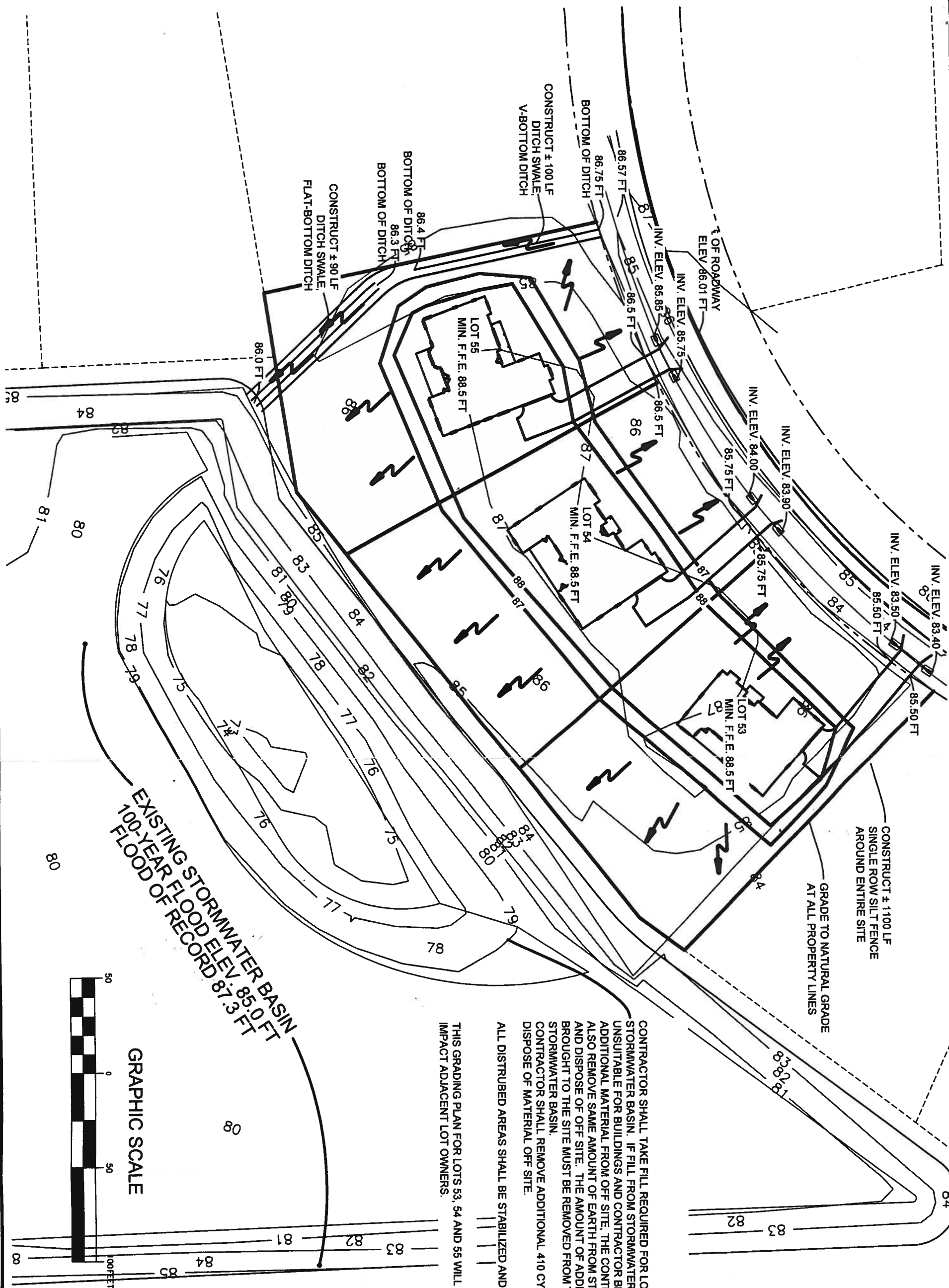
THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED PERFORATED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEING.

[illegible]

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGLK1103
-ENG	SJP/KAR



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA



THIS GRADING PLAN FOR LOTS 53, 54 AND 55 WILL NOT ADVERSELY
IMPACT ADJACENT LOT OWNERS.

ALL DISTURBED AREAS SHALL BE STABILIZED AND GRASSED.

CONTRACTOR SHALL TAKE FILL REQUIRED FOR LOTS FROM
STORMWATER BASIN. IF FILL FROM STORMWATER BASIN IS
UNSATISFACTORY FOR BUILDINGS AND CONTRACTOR BRINGS IN
ADDITIONAL MATERIAL FROM OFF SITE, THE CONTRACTOR SHALL
ALSO REMOVE SAME AMOUNT OF EARTH FROM STORMWATER BASIN
AND DISPOSE OF OFF SITE. THE AMOUNT OF ADDITIONAL MATERIAL
BROUGHT TO THE SITE MUST BE REMOVED FROM THE
STORMWATER BASIN.
CONTRACTOR SHALL REMOVE ADDITIONAL 410 CY OF EARTH AND
DISPOSE OF MATERIAL OFF SITE.

GRAPHIC SCALE



CALLAWAY
LOTS 53 TO 55



Bailey Bishop & Lane, Inc.

P.O. Box 3717

Lake City, FL 32056

P.O. Box 814

Port St. Joe, FL 32457

DATE: 07/05	DESIGNED BY: RF	DRAFTED BY: RF	CHECKED BY: GB
SHEET: 5	SIGNATURE & SEAL		

REVISIONS:
07/17/06
07/25/06