DATE 08/07/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024836

APPLICANT AL MCNABB PHONE 229 482-2595

ADDRESS 2404 BEMISS ROAD VALDOSTA FL 31602

OWNER CHRISMILL HOMES PHONE 229 249-0901

ADDRESS 290 SW CALLAWAY DRIVE LAKE CITY FL 32024

CONTRACTOR MICHAEL MILLER PHONE 229 249-0901

LOCATION OF PROPERTY 247S, TL ON CALLAHAN, TR ON CALLAWAY DRIVE, 4TH LOT ON RIGHT PAST GARDEN COURT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 90000.00

HEATED FLOOR AREA 1800.00 TOTAL AREA 2492.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 21

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

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

PARCEL ID 15-4S-16-03023-253 SUBDIVISION CALLAWAY

LOT 53 BLOCK PHASE UNIT TOTAL ACRES

000001177 | | | AL MCNABB

Culvert Permit No. | Culvert Waiver | Contractor's License Number | Applicant/Owner/Contractor

CULVERT | 06-0257-N | BK | JH | Y

Driveway Connection | Septic Tank Number | LU & Zoning checked by | Approved for Issuance | New Resident

COMMENTS: LOT FLOODED IN 2004, MEETS REQQUIREMENT OF RESOLUTION 2005R-26 PER CO. ENGINEER MFE T BE 88.5, ELEVATION LETTER REQUIRED BEFORE SLAB

Check # or Cash 1104

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by | Foundation date/app. by | Monolithic date/app. by

Under slab rough-in plumbing date/app. by | Slab date/app. by | Sheathing/Nailing date/app. by

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

Electrical rough-in date/app. by | Heat & Air Duct date/app. by | Peri. beam (Lintel) date/app. by

Permanent power date/app. by | C.O. Final date/app. by | Culvert date/app. by

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

Reconnection date/app. by | Pump pole date/app. by | Utility Pole date/app. by

M/H Pole date/app. by | Travel Trailer date/app. by | Re-roof date/app. by

BUILDING PERMIT FEE $ 450.00 CERTIFICATION FEE $ 12.46 SURCHARGE FEE $ 12.46

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** 574.92

INSPECTORS OFFICE CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Callaway Lot 53

Columbia County Building Permit Application

572.94

Revised 9-23-04

For Office Use Only Application # 0604-99 Date Received 4/27/06 By G Permit # 1177/24836

Application Approved by - Zoning Official BLK Date 31.07.06 Plans Examiner OK JTH Date 7-31-06

Flood Zone X Lot Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res Low Dens.

Comments Lot Graded in 2004 Meets Requirements of Resolution 2005R-26 per Co. Engr. MFE to be 88.5 ft. Elevation Letter Required.

Applicants Name Linda or Melanie Roder Phone 386-752-2281

Address 387 S.W. Kemp Ct. Lake City FL 32024

Owners Name Chrismill Homes Inc. Phone 229-249-0901

911 Address 290 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 William Myers / Nick Geisler

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 15-4S-16 R-03023-253 Estimated Cost of Construction 185,000

Subdivision Name Callaway Lot 53 Block ____ Unit ____ Phase 2

Driving Directions Hwy 247 (Branford Hwy) Lon Callahan, R on S.W. Callaway Dr. pass 2 streets, 4th house down from corner of Pheasant & S.W. Callaway Dr. past garden court on right

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 29'-1" Side 29'-9" Rear 80'-4"

Total Building Height 21'-9" Number of Stories 1 Heated Floor Area 1800 Roof Pitch 8-12

Porch 220 Garage 472 Total 2492

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

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

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

Owner Builder or Agent (Including Contractor) CCC# 1104

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 ____

X Michael Miller

Contractor Signature

Contractors License Number CRC 1327579

Competency Card Number ____

NOTARY STAMP/SEAL

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

Stacy Hall

Notary Signature

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

To: John Colson 7-17-06

MEMORANDUM

Date: 10 July 2006

~~**To:**~~ From **John Colson, P.E., County Engineer**

~~**From:**~~ To **Brian L. Kepner, County Planner** BLK

Talk to Dale

Re: **Flood Resolution 2005R-26**

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 Dales letter to Rick Schultz (2/15/06) and SRWMD letter 2/10/06.)

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

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001177

DATE 08/07/2006 PARCEL ID # 15-4S-16-03023-253

APPLICANT AL MCNABB PHONE 229 482-2595

ADDRESS 2404 BEMISS ROAD VALDOSTA FL 31602

OWNER CHRISMILL HOMES PHONE 229 249-0901

ADDRESS 290 SW CALLAWAY DRIVE LAKE CITY FL 32024

CONTRACTOR MICHAEL MILLER PHONE 229 249-0901

LOCATION OF PROPERTY 247S, TL ON CALLAHAN, TR ON CALLAWAY DRIVE, 4TH LOT ON RIGHT

PAST GARDEN COURT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CALLAWAY 53

SIGNATURE ✓ AL MCNABB

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght 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

COLUMBIA COUNTY GATEWAY TO FLORIDA

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 behaf in all aspects of applying for a Septic and building

Septic & building permits to be located in Columbia county.

The name of the home owner is Chris Mills Homes.

Legal description Lots 53, 54, 55 Callaway.

X Michael L. Miller

Contractor's signature

3-17-06

Date

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

Stacy Hall

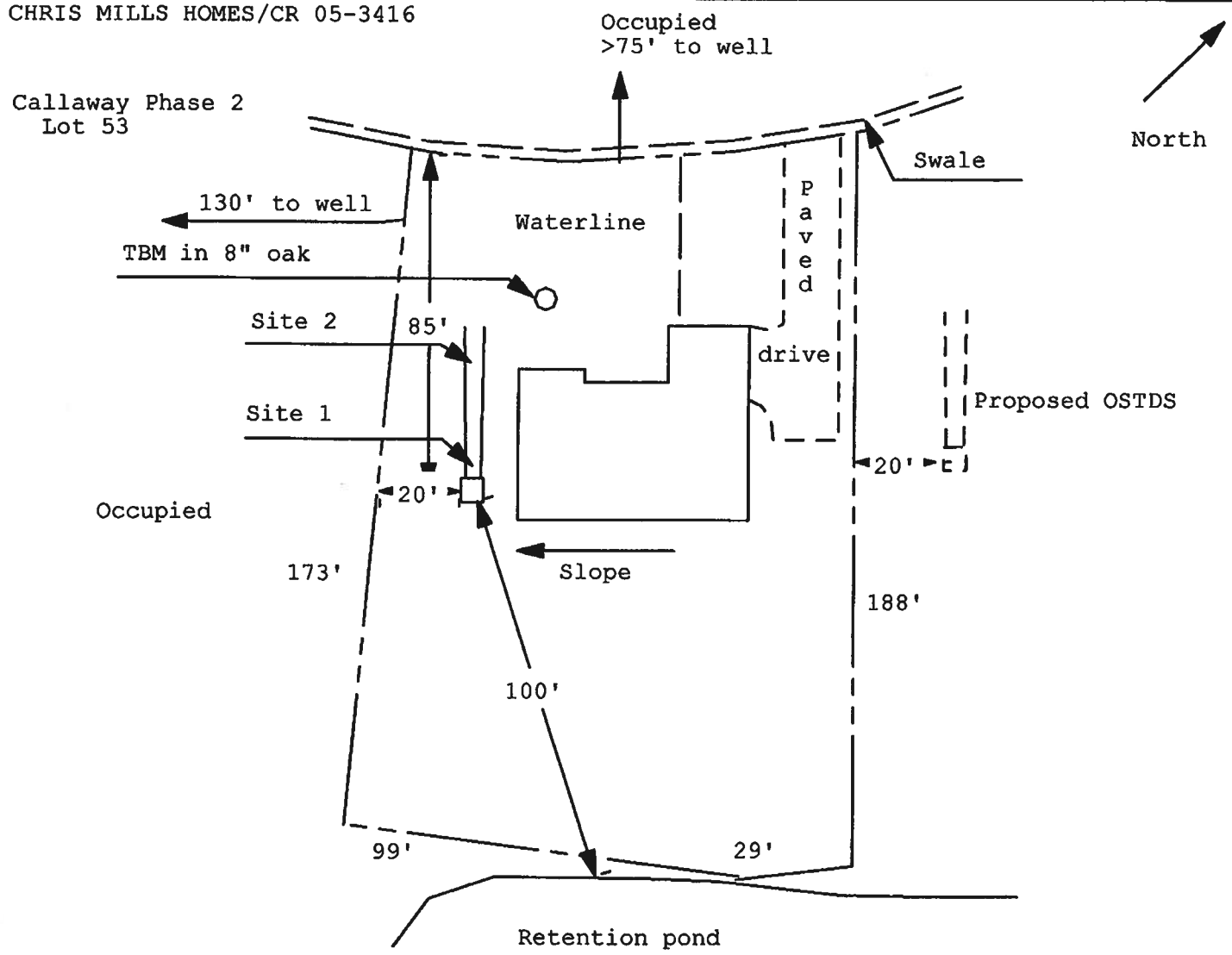
Notary Public, Lowndes County, Georgia
My Commission Expires Aug. 29, 2009

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0257N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CHRIS MILLS HOMES/CR 05-3416



1 inch = 40 feet

Site Plan Submitted By Paul Lloyd **Date** 3/14/06

Plan Approved X **Not Approved** ____ **Date** 3.28.06

By Sallie Braddy EHII **CPHU** Columbia CHD

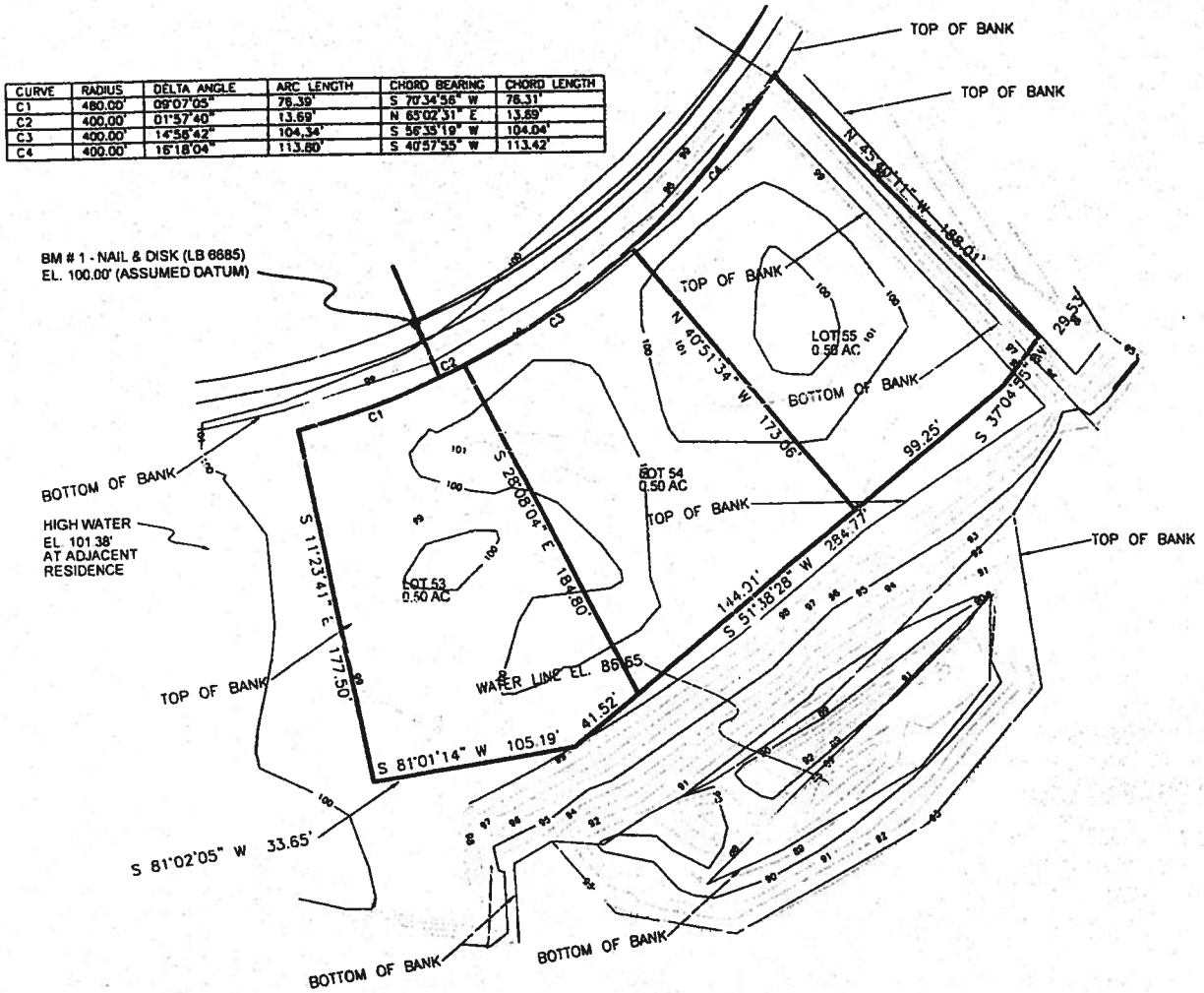
Notes: ____

AS-BUILT SURVEY

OF

LOTS 53, 54 & 55, CALLAWAY
COLUMBIA COUNTY, 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°57'40"	13.69'	N 65°02'31" E	13.69'
C3	400.00'	14°56'42"	104.34'	S 56°35'19" W	104.04'
C4	400.00'	15°18'04"	113.80'	S 40°57'55" W	113.42'



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 (LB6685)
- ● DENOTES IRON PIPE OR REBAR FOUND (1/2")
- □ DENOTES 4"x4" CONCRETE MONUMENT SET (LB6685)
- ■ DENOTES 4"x4" CONCRETE MONUMENT FOUND
- ◎ DENOTES NAIL & DISC FOUND
- NO ID - NO IDENTIFICATION
- FND - FOUND
- CM - CONCRETE MONUMENT
- ± - MORE OR LESS
- ORB - OFFICIAL RECORDS BOOK
- PG - PAGE (S)
- ℄ - CENTERLINE
- (P) - PLAT
- (D) - DEED
- (C) - CALCULATED
- (M) - MEASURED
- O/S - OFFSET
- POB - POINT OF BEGINNING
- POC - POINT OF COMMENCEMENT
- FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
- N - NORTH
- E - EAST
- S - SOUTH
- W - WEST
- PC - POINT OF CURVATURE
- PI - POINT OF INTERSECTION
- PT - POINT OF TANGENCY
- PRC - POINT OF REVERSE CURVATURE
- PCC - POINT OF COMPOUND CURVATURE
- R - RADIUS
- T - TANGENT
- L - ARC LENGTH
- Δ - CENTRAL ANGLE
- CH - CHORD BEARING & DISTANCE
- R/W - RIGHT OF WAY
- PCP - PERMANENT CONTROL POINT
- PRM - PERMANENT REFERENCE MONUMENT
- X——X DENOTES FENCE
- E— E DENOTES OVERHEAD ELECTRIC
- EOP - EDGE OF PAVEMENT
- BOC - BACK OF CURB
- CONCRETE
- BM - BENCHMARK
- EL. - ELEVATION

SCALE: 1" = 60'

0' 60' 120' 180'

SURVEY FOR: WESTFIELD GROUP

1-31-06
DATE OF CERTIFICATE

1/30/06
DATE OF FIELD SURVEY

Scott Daniel

BRIAN SCOTT DANIEL, PSM
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6449

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. 6685.

Bailey Bishop & Lane, Inc.
P.O. Box 3717 Lake City, FL 32056 Ph. 386-752-6640 Eng. Lic. 7362
P.O. Box 814 Port St. Joe, FL 32457 Ph. 850-227-9449 Survey Lic. LB-0006885

WESTFIELD GROUP

REVISIONS:

JOB NUMBER: 051101WES-S1

DRAWN BY: SDP

FIELD BOOK: 174 : 69 EFB

SHEET NO: 1 OF 1

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:2006000135 Date:01/04/2006 Time:15:24
Doc Stamp-Deed : 630.00
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)
DeEtte F. Brown
(Typed Name of Second Witness)

(SEAL)
Grantor
DANIEL CRAPPS, as Trustee
Printed Name

STATE OF Florida
COUNTY OF Columbia

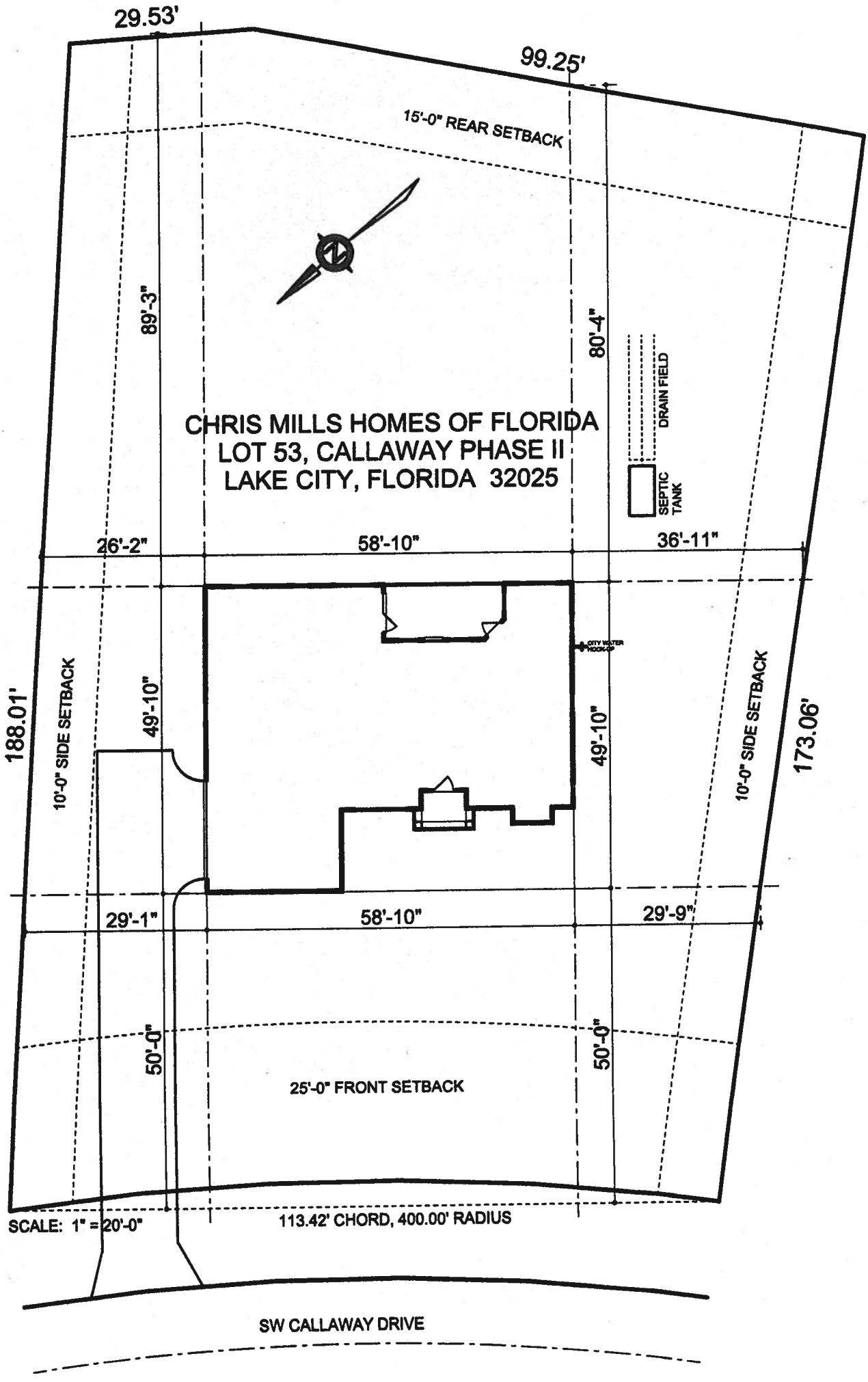
The foregoing instrument was acknowledged before me this 3rd day of January, 2006, by DANIEL CRAPPS, as Trustee under Trust Agreement dated January 14, 1996, known as CALLAWAY LAND TRUST who is personally known to me and who did not take an oath.

My Commission Expires:

Notary Public
Printed, typed, or stamped name:

CRYSTAL L. BRUNNER
MY COMMISSION # DD039148
EXPIRES: June 30, 2009
Fl. Notary Discount Assoc. Co.

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


29.53'
99.25'
15'-0" REAR SETBACK
89'-3"
80'-4"
DRAIN FIELD
SEPTIC TANK
CHRIS MILLS HOMES OF FLORIDA
LOT 53, CALLAWAY PHASE II
LAKE CITY, FLORIDA 32025
26'-2"
58'-10"
36'-11"
188.01'
10'-0" SIDE SETBACK
49'-10"
CITY WATER HOOK-UP
49'-10"
10'-0" SIDE SETBACK
173.06'
29'-1"
58'-10"
29'-9"
50'-0"
50'-0"
25'-0" FRONT SETBACK
SCALE: 1" = 20'-0"
113.42' CHORD, 400.00' RADIUS
SW CALLAWAY DRIVE

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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	Lot 53 - Callaway Phase II	Builder:	Chris Mills Homes of FL
Address:	Lot: 53, Sub: Callaway II, Plat:	Permitting Office:	Columbia County
City, State:	Lake City, FL 32025-	Permit Number:	24836
Owner:	Spec House	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 44.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1800 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 44.0 kBtu/hr
a. U-factor:	Description Area		HSPF: 6.80
(or Single or Double DEFAULT)	7a. (Dble Default) 355.3 ft²	b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 355.3 ft²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 224.0(p) ft		EF: 0.90
b. N/A		b. N/A	
c. N/A		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
9. Wall types		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,
a. Frame, Wood, Exterior	R=13.0, 1396.7 ft²		
b. Frame, Wood, Adjacent	R=13.0, 148.0 ft²		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1900.0 ft²		
b. N/A			
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: 0.20 Total as-built points: 26523 Total base points: 26685 **PASS**

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

PREPARED BY: Will Myers

DATE: 1/30/06

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

OWNER/AGENT: Linda Parker

DATE: 2-28-06

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: 53, Sub: Callaway II, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1800.0	20.04	6493.0	Double, Clear	W	1.5	10.0	75.0	38.52	0.98	2828.4	
				Double, Clear	W	1.5	10.0	6.0	38.52	0.98	226.3	
				Double, Clear	N	7.5	10.0	40.0	19.20	0.76	581.1	
				Double, Clear	W	10.5	10.0	63.0	38.52	0.52	1258.2	
				Double, Clear	SW	10.5	10.0	20.0	40.16	0.48	385.9	
				Double, Clear	S	7.5	10.0	15.0	35.87	0.57	304.2	
				Double, Clear	N	1.5	8.0	30.0	19.20	0.97	557.1	
				Double, Clear	N	1.5	8.0	6.0	19.20	0.97	111.4	
				Double, Clear	E	1.5	8.0	16.0	42.06	0.96	644.4	
				Double, Clear	E	7.8	10.0	13.3	42.06	0.58	324.5	
				Double, Clear	E	1.5	10.0	56.0	42.06	0.98	2304.4	
				Double, Clear	S	1.5	8.0	15.0	35.87	0.92	496.7	
				As-Built Total:				**355.3**			**10022.6**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	148.0	0.70	103.6	Frame, Wood, Exterior			13.0	1396.7	1.50		2095.0	
Exterior	1396.7	1.70	2374.4	Frame, Wood, Adjacent			13.0	148.0	0.60		88.8	
Base Total:	**1544.7**		**2478.0**	**As-Built Total:**				**1544.7**			**2183.8**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	20.0	1.60	32.0	Exterior Insulated				20.0	4.10		82.0	
Exterior	20.0	4.10	82.0	Adjacent Insulated				20.0	1.60		32.0	
Base Total:	**40.0**		**114.0**	**As-Built Total:**				**40.0**			**114.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1800.0	1.73	3114.0	Under Attic			30.0	1900.0	1.73 X 1.00		3287.0	
Base Total:	**1800.0**		**3114.0**	**As-Built Total:**				**1900.0**			**3287.0**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	224.0(p)	-37.0	-8288.0	Slab-On-Grade Edge Insulation			0.0	224.0(p	-41.20		-9228.8	
Raised	0.0	0.00	0.0									
Base Total:			**-8288.0**	**As-Built Total:**				**224.0**			**-9228.8**	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 53, Sub: Callaway II, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	1800.0	10.21	18378.0				1800.0	10.21		18378.0
Summer Base Points: 22289.0				**Summer As-Built Points:**						**24756.7**
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
				(sys 1: Central Unit 44000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)						
				24757		1.00	(1.09 x 1.000 x 1.00)	0.310	0.950	7954.0
22289.0		**0.4266**	**9508.5**	**24756.7**		**1.00**	**1.090**	**0.310**	**0.950**	**7954.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 53, Sub: Callaway II, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1800.0	12.74	4127.8	Double, Clear	W	1.5	10.0	75.0	20.73	1.01	1563.5	
				Double, Clear	W	1.5	10.0	6.0	20.73	1.01	125.1	
				Double, Clear	N	7.5	10.0	40.0	24.58	1.01	997.6	
				Double, Clear	W	10.5	10.0	63.0	20.73	1.17	1530.8	
				Double, Clear	SW	10.5	10.0	20.0	16.74	1.63	544.9	
				Double, Clear	S	7.5	10.0	15.0	13.30	2.27	451.9	
				Double, Clear	N	1.5	8.0	30.0	24.58	1.00	738.0	
				Double, Clear	N	1.5	8.0	6.0	24.58	1.00	147.6	
				Double, Clear	E	1.5	8.0	16.0	18.79	1.02	306.7	
				Double, Clear	E	7.8	10.0	13.3	18.79	1.22	305.6	
				Double, Clear	E	1.5	10.0	56.0	18.79	1.01	1065.8	
				Double, Clear	S	1.5	8.0	15.0	13.30	1.04	207.7	
				As-Built Total:				**355.3**			**7985.1**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	148.0	3.60	532.8	Frame, Wood, Exterior	13.0	1396.7	3.40	4748.8
Exterior	1396.7	3.70	5167.8	Frame, Wood, Adjacent	13.0	148.0	3.30	488.4
Base Total:	**1544.7**		**5700.6**	**As-Built Total:**		**1544.7**		**5237.2**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	8.00	160.0	Exterior Insulated	20.0	8.40	168.0
Exterior	20.0	8.40	168.0	Adjacent Insulated	20.0	8.00	160.0
Base Total:	**40.0**		**328.0**	**As-Built Total:**	**40.0**		**328.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1800.0	2.05	3690.0	Under Attic	30.0	1900.0	2.05 X	1.00	3895.0
Base Total:	**1800.0**		**3690.0**	**As-Built Total:**		**1900.0**			**3895.0**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	224.0(p)	8.9	1993.6	Slab-On-Grade Edge Insulation	0.0	224.0(p	18.80	4211.2
Raised	0.0	0.00	0.0					
Base Total:			**1993.6**	**As-Built Total:**		**224.0**		**4211.2**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 53, Sub: Callaway II, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points				Area X	WPM	=	Points
	1800.0	-0.59	-1062.0				1800.0	-0.59		-1062.0
Winter Base Points:			**14778.0**	**Winter As-Built Points:**						**20594.5**
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
				(sys 1: Electric Heat Pump 44000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
				20594.5	1.000	(1.069 x 1.000 x 1.00)		0.501	0.950	10488.1
14778.0	**0.6274**		**9271.7**	**20594.5**	**1.00**	**1.069**		**0.501**	**0.950**	**10488.1**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 53, Sub: Callaway II, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2635.00	7905.0	50.0	0.90	3	1.00	2693.56	1.00	8080.7	
				As-Built Total:						**8080.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
9508	**9272**	**7905**	**26685**	**7954**	**10488**	**8081**	**26523**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 53, 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 cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.3

The higher the score, the more efficient the home.

Spec House, Lot: 53, Sub: Callaway II, Plat: , Lake City, FL, 32025-

1.	New construction or existing	New	__
2.	Single family or multi-family	Single family	__
3.	Number of units, if multi-family	1	__
4.	Number of Bedrooms	3	__
5.	Is this a worst case?	No	__
6.	Conditioned floor area (ft²)	1800 ft²	__
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. (Dble Default) 355.3 ft²	__
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 355.3 ft²	__
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 224.0(p) ft	__
b.	N/A		__
c.	N/A		__
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1396.7 ft²	__
b.	Frame, Wood, Adjacent	R=13.0, 148.0 ft²	__
c.	N/A		__
d.	N/A		__
e.	N/A		__
10.	Ceiling types		
a.	Under Attic	R=30.0, 1900.0 ft²	__
b.	N/A		__
c.	N/A		__
11.	Ducts(Leak Free)		
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	__
b.	N/A		__

12.	Cooling systems		
a.	Central Unit	Cap: 44.0 kBtu/hr	__
		SEER: 11.00	__
b.	N/A		__
			__
c.	N/A		__
			__
13.	Heating systems		
a.	Electric Heat Pump	Cap: 44.0 kBtu/hr	__
		HSPF: 6.80	__
b.	N/A		__
			__
c.	N/A		__
			__
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	__
		EF: 0.90	__
b.	N/A		__
			__
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		__
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	__

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

Builder Signature: _____ Date: _____

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

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

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

Energy Code Compliance

Duct System Performance Report

Project Name:	Lot 53 - Callaway Phase II	Builder:	Chris Mills Homes of FL
Address:		Permitting Office:	Columbia County
City, State:	Lake City, FL 32025-	Permit Number:	
Owner:	Spec House	Jurisdiction Number:	
Climate Zone:	North		

Total Duct System Leakage Test Results

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

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

Signature: _____

Printed Name: _____

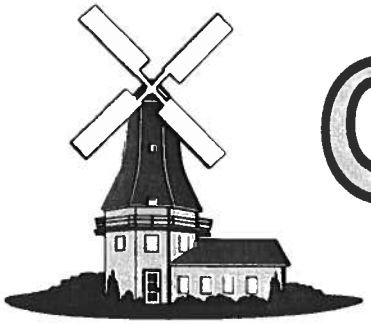
Florida Rater Certification #: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



"Built to last for generations"

CHRISMILL HOMES

August 3, 2006

To Whom It May Concern:

I, Michael Miller, give permission to Curt McDonald, Al McNabb and William Gaskins to pull permits in Columbia County, Florida for residential construction. Should you have any questions please contact me at 229-482-2595 or 229-560-0964.

Thank you,

Michael Miller
Qualifying Agent
ChrisMill Homes

Notary

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

My Commission Expires

Chrismill Homes, Inc. 2404 Bemiss Road Valdosta, Georgia 31602 **Phone** (229) 249-0901 or 877-548-2819 **Fax** (229) 242-2083

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: 0604-99

Michael Miller Contractor, Owner of lot 53 Callaway Subdivision Phase II

On the date of May 3, 2006 application 0604-99 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0604-99 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

"Built to last for generations"

CHRISMILL HOMES

August 3, 2006

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Thank you,

Michael Miller
Qualifying Agent
ChrisMill Homes

Notary

Notary Public, Lowndes County, Georgia
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My Commission Expires

Chrismill Homes, Inc. 2404 Bemiss Road Valdosta, Georgia 31602 **Phone** (229) 249-0901 or 877-548-2819 **Fax** (229) 242-2083

Callaway Lot 33

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

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

Floor Plan including:

- ☑ ☐ a) Rooms labeled and dimensioned
- ☑ ☐ b) Shear walls
- ☑ ☐ 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 (accesssable 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 (termiticide or alternative method)
  10. Slab on grade
      a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
      b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
  11. Indicate where pressure treated wood will be placed
  12. Provide insulation R value for the following:
      a. Attic space
      b. Exterior wall cavity
      c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
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 (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

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

Floor Framing System:

☑ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☑ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

☐ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

☑ ☐ d) Service panel and sub-panel size and location(s)

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☐ ☐ f) Appliances and HVAC equipment

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

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:2006000135 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)
DeEtte 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:

CRYSTAL L. BRUNNER
MY COMMISSION # DD439148
EXPIRES: June 30, 2009
1-800-3-NOTARY Fl. Notary Discount Assoc. Co.

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

Florida Building Code Online

FLORIDA BUILDING CODE

Overview | User Registration | Organization Registration | User Authentication | Organization Search | Organization Accreditation

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

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Cancel Search

Result List for Organizations

Displaying 1-1 of 1

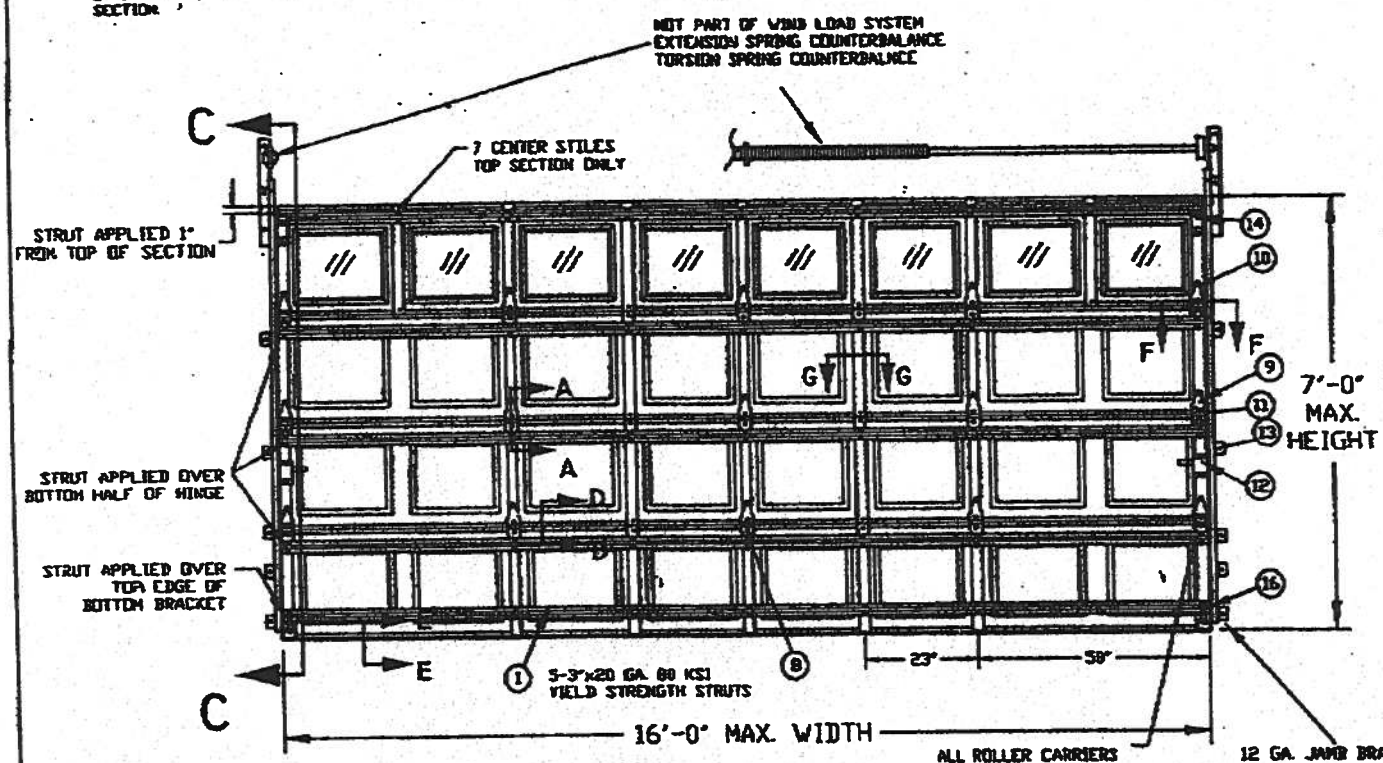
Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6308593000	Product Manufacturer	01/01/2099	Approved
Org Code: PDM System ID: 3585			Site Link: www.gadco.com			

Displaying 1-1 of 1

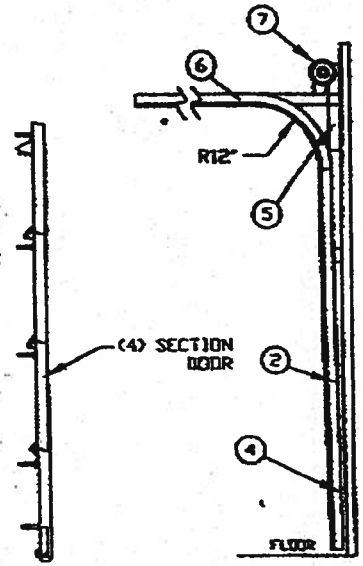
REV.	DATE	BY	DESCRIPTION
A-A	11-10-00	DW	SEE E.C.N. 831

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21"
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION
5. MINIMUM LENGTH OF ROLLER STEM IS 5½" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR 2 AS TESTED.
9. ⚠ DROP IN TYPE OF INSULATION IS OPTIONAL



INSIDE ELEVATION



SEC C-C
VERTICAL TRACK, (16 GA.)

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET NEAR THE HORIZONTAL ℄ OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s) of the door as tested.

SEAL
PE No. 024280
PROFESSIONAL ENGINEER
NORTH CAROLINA
ROGER R. DEVAN

LISTED
SEAL
REPORT No. 2202

TEST REPORTS ON FILE: VIDEO 10/19/00 002930

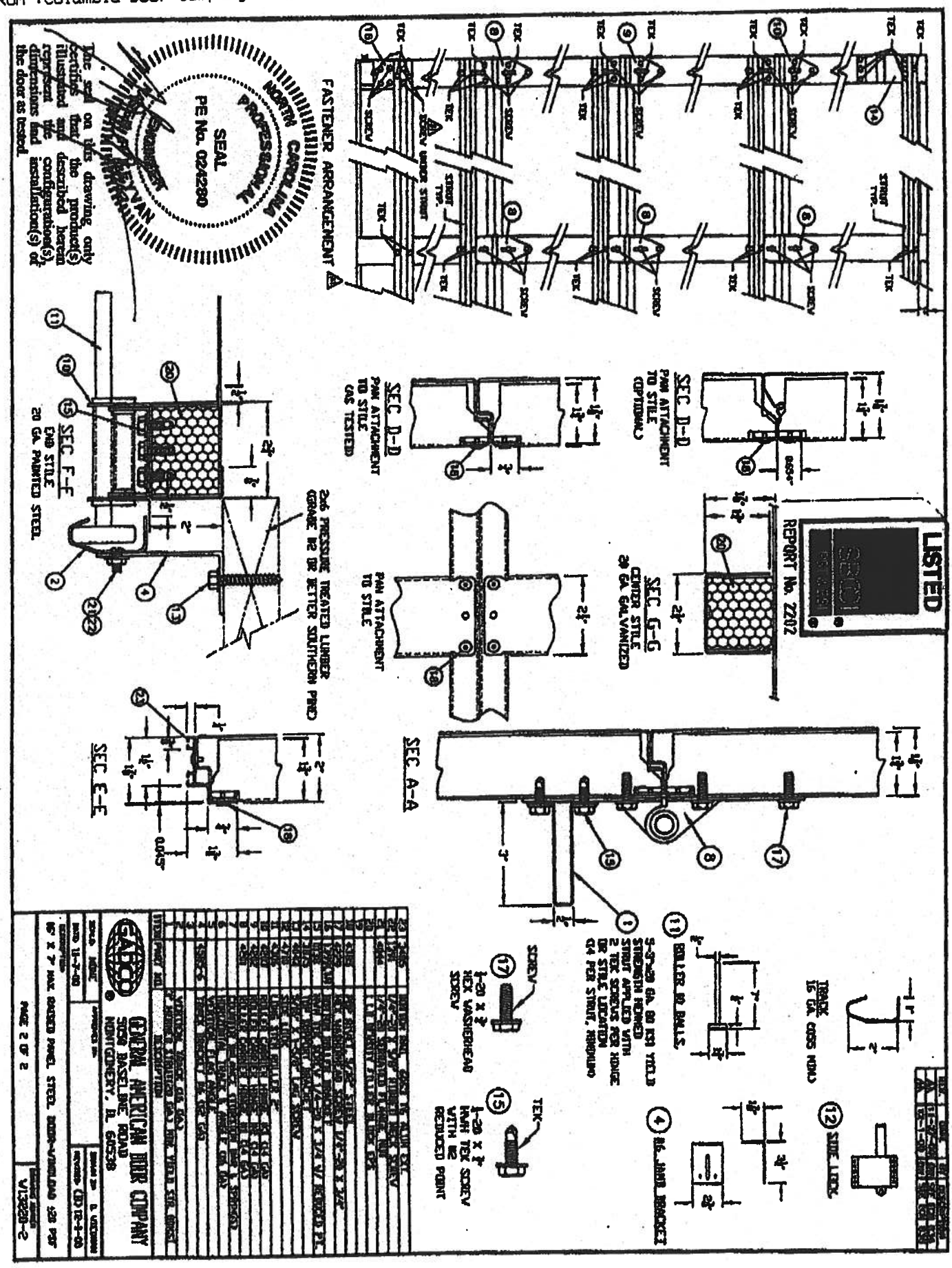
DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

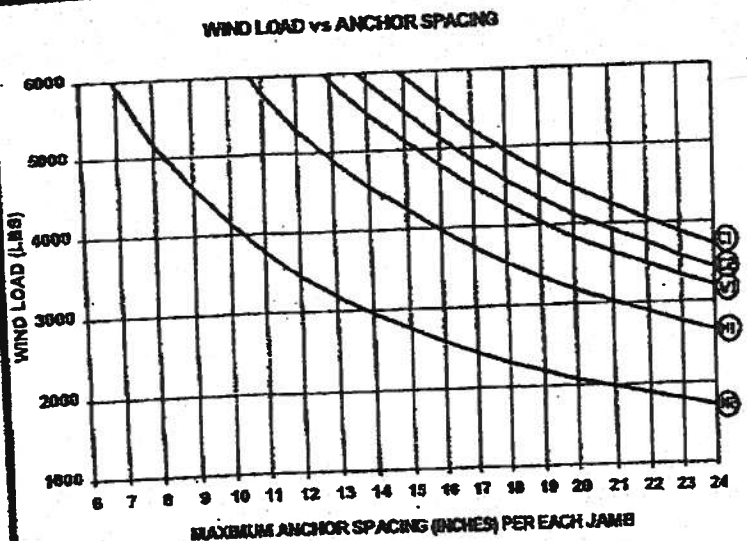
GADCO DOORS
SERIES 7400, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL =.019" MIN ⚠
SERIES 7524, EXTERIOR STEEL =.024" MIN ⚠
(TESTED WITH WINDOWS

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	STRUTS 80 KSI QTY.	VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.

GADCO®
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: 1/3 | APPROVED BY: | DRAWN BY: D. VECCHIO
DATE: 10-20-00 | REVISED: (A) 11-10-00
DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR -WINDLOAD ±20 PSF
PAGE NUMBER: PAGE 1 OF 2 | DRAWING NUMBER: V13220-1


FASTENER ARRANGEMENT
SEC A-A
SEC B-B
SEC C-C
SEC D-D
SEC E-E
SEC F-F
SEC G-G
LISTED
REPORT No. 2202
SEAL
PE No. 024280
NORTH CAROLINA
PROFESSIONAL
2x6 PRESSURE TREATED LUMBER GRADE #2 OR BETTER SOUTHERN PINE
GENERAL AMERICAN DOOR COMPANY
9009 BASELINE ROAD
MONTGOMERY, IL 60538
VI3220-2



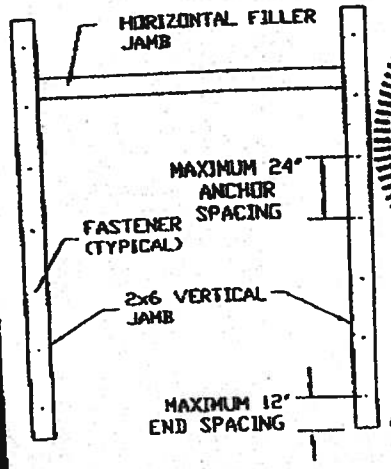
DESIGN LOAD (LBS)/FT² X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

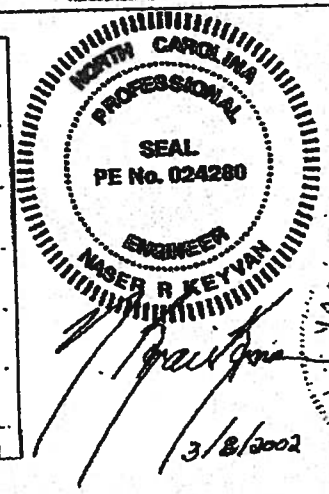
EXAMPLE

30 LBS/FT² X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

- (C1) USE 22" SPACING
- (C2) USE 21" SPACING
- (V1) USE 19" SPACING
- (M1) USE 16" SPACING
- (M2) USE 10" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS





2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.

2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSTD 10," CURRENT EDITION.

3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.

4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.

5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI; GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI; REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4".

8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.

11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GADCO®

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

BUILD NONE	APPROVED BY	DRAWN BY DV
DATE 8-30-99		REVISED
DESCRIPTION JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS		
	MASTER DRAWING NUMBER A10560	DRAWING NUMBER

I

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

Rendered to:

MI HOME PRODUCTS, INC.

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

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -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:mlb

ALLEN M. REEVES
LICENSE
NO. 11254
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

1 APRIL 2002

II

Architectural Testing

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

Rendered to

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

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

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, 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/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl 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

Allan M. Reeves
1 APRIL 2002

ALLAN M. REEVES
No. 12384
STATE OF FLORIDA
PROFESSIONAL ENGINEER

III

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash 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:

Description	Quantity	Location
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 ★ CERTIFICATE NO. 11554 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER ★

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/NWWDA 101/I.S. 2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.
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)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

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

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES
CERTIFICATE
NO. 1237
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
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.
	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"	0.18" max.
	@ 70.8 psf (negative)	0.05"	0.18" max.

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

LEN N. REEVES
CERTIFICATE NO. 18384
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
1 APRIL 2002

VI

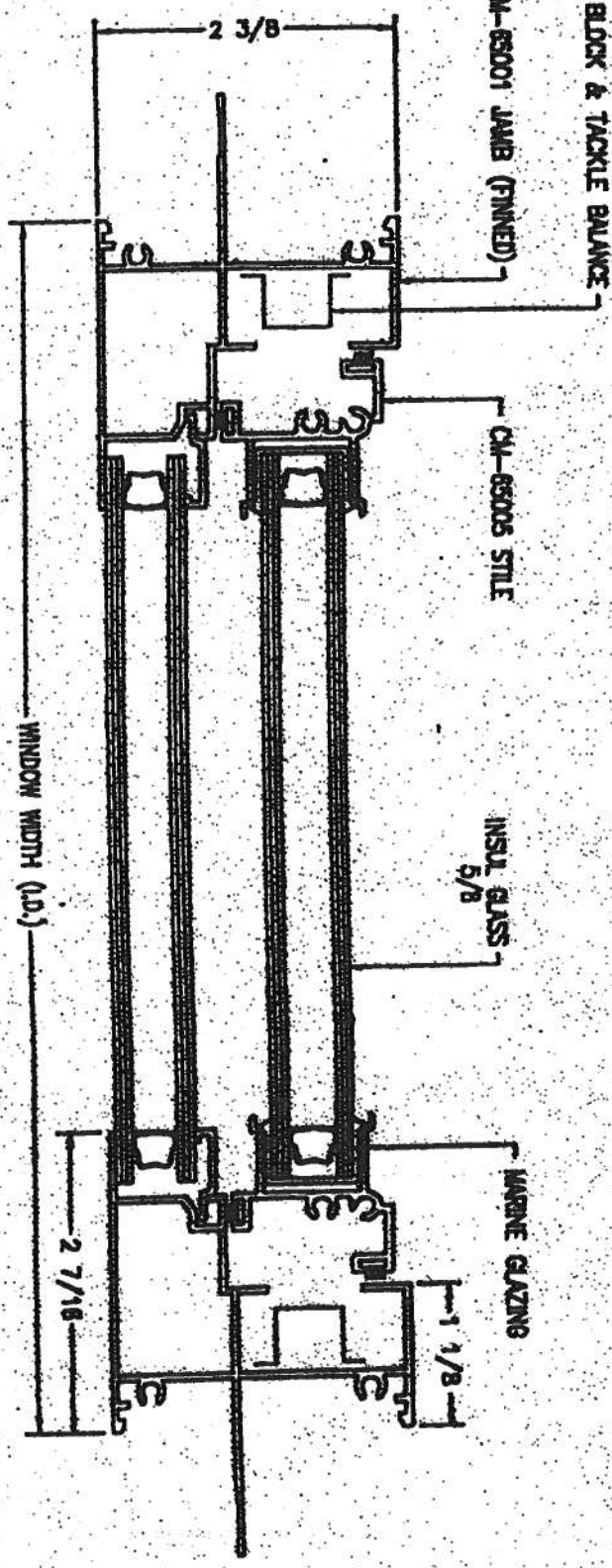
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. 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

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

MAH:nlb
01-41134.01



MI HOME PRODUCTS

TITLE: 850 SH FIN MAIN FRAME INSULATED GLASS HORIZONTAL CROSS SECTION

DWG NO: 650-AS2

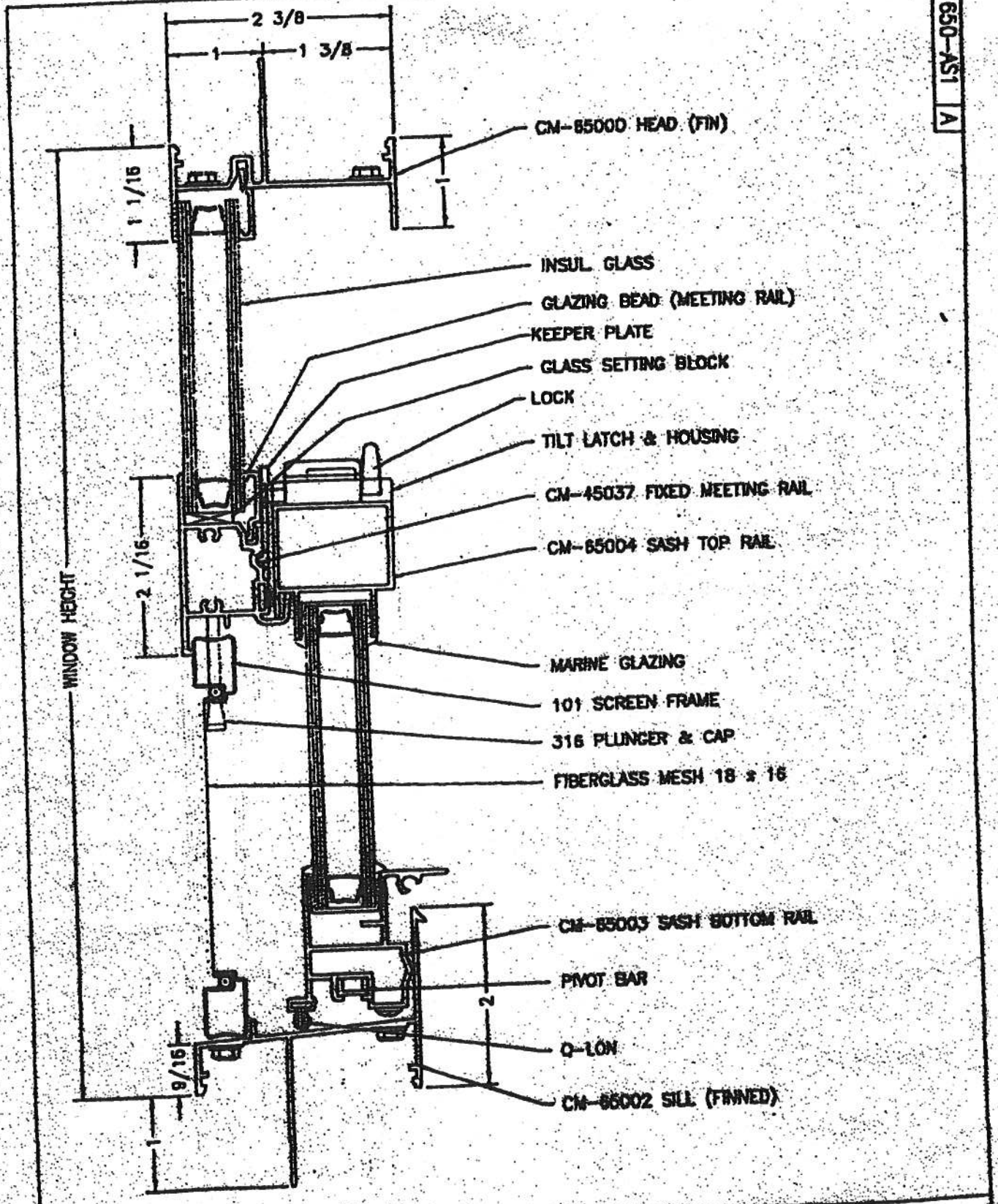
REV: B

DRAWN: 4-7-92

SCALE: FULL

650-AS2 | B

650-AS1 A



MI HOME PRODUCTS
650 WEST MARKET STREET • GRATZ, PA • 17030-0370

TITLE: 650 SN FIN MAIN FRAME
VERTICAL CROSS SECTION

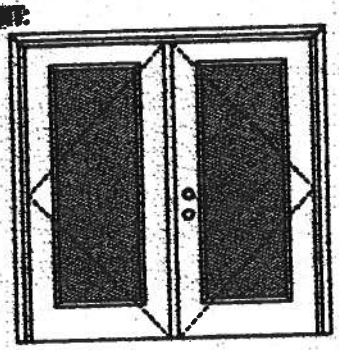
DRAWN	DATE	ISSUE	DWG. NO.	
Y.M.R.	4-7-82	FULL	650-AS1	A

XX
Glazed Outswing Unit

[redacted]

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" 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 resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-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


133, 135 Series


135 Series


680 Series


822 Series

1/2 GLASS:


165 Series*


166, 169 Series*


129 Series*


200 Series*


12 RL, 23 RL, 24 RL Series*


167 Series*


168 Series


304 Series

*This glass kit may also be used in the following door styles: 6-panel; 6-panel with scroll; Eyebrow 6-panel; Eyebrow 6-panel with scroll.

Johnson Entry Systems

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

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

XX
Glazed Outswing Unit

COP-WL-JR4152-02

WOOD-EDGE STEEL DOORS

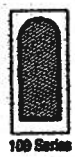
APPROVED DOOR STYLES:
3/4 GLASS:

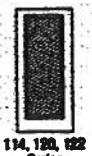

404 Series


416 Series


450 Series

FULL GLASS:


100 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 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 lite 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 Balthy

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

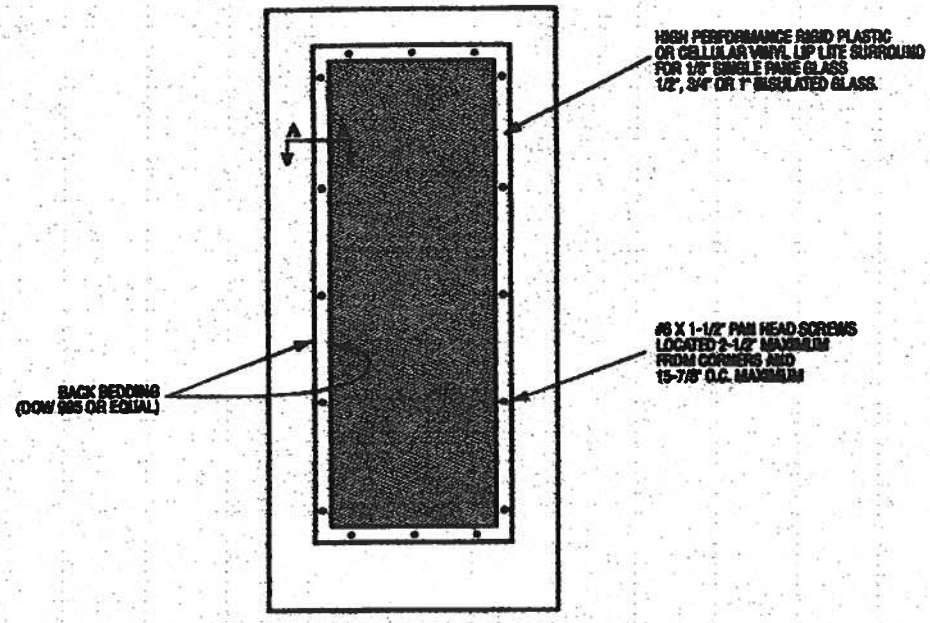
Johnson Entry Systems

March 22, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

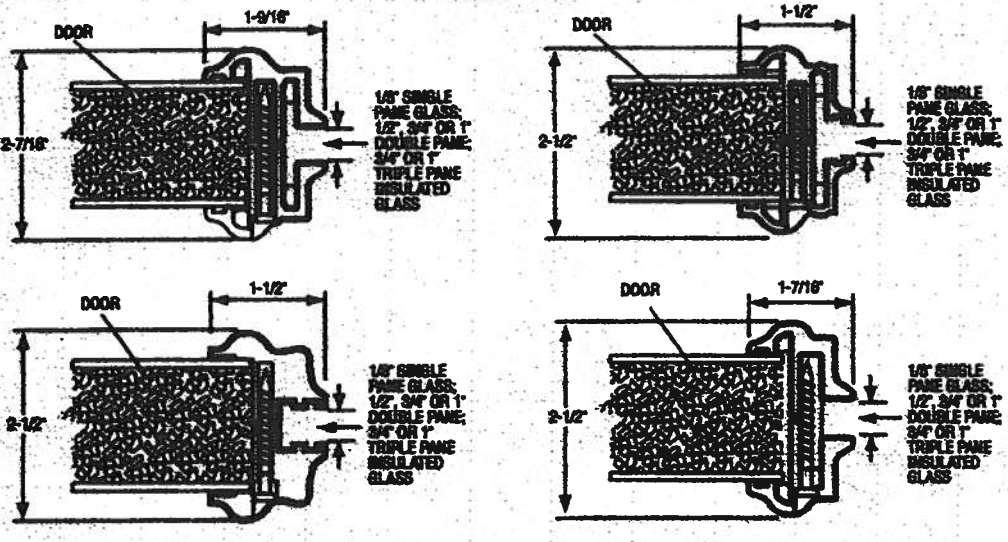
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND

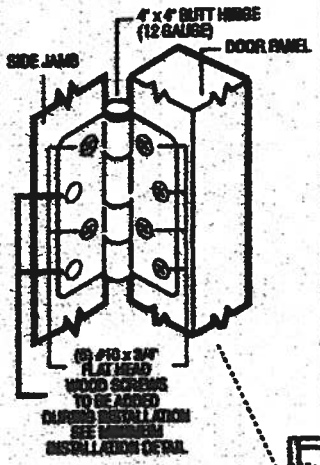


XX
Unit

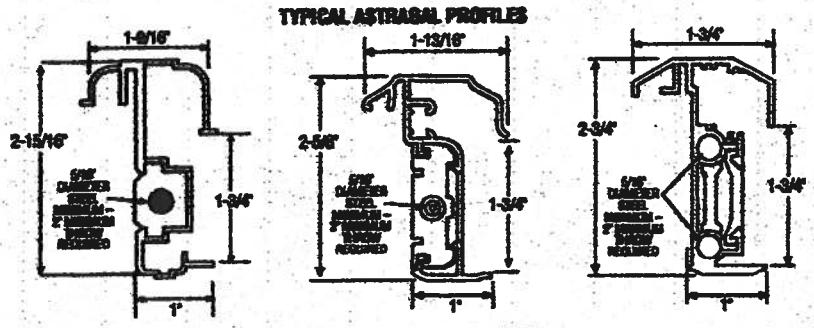
MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

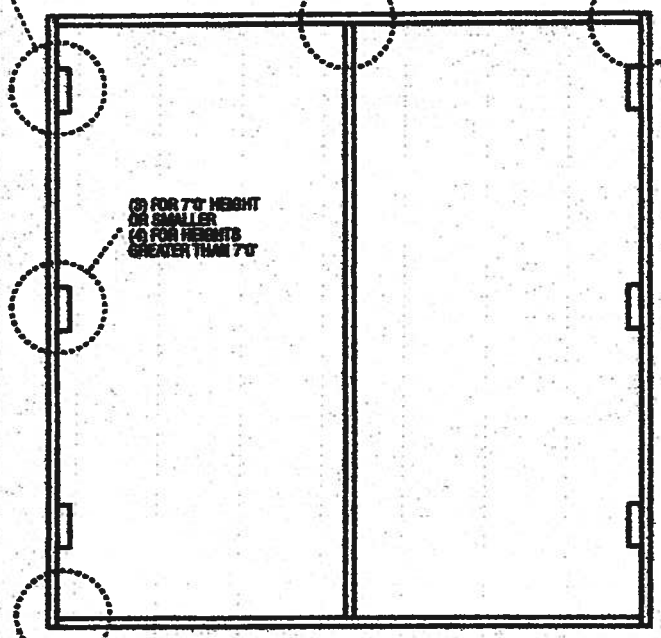
TYPICAL HINGE ATTACHMENT



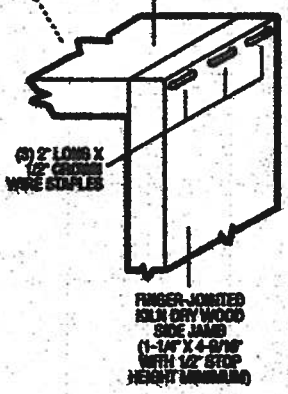
TYPICAL ASTRAGAL PROFILES



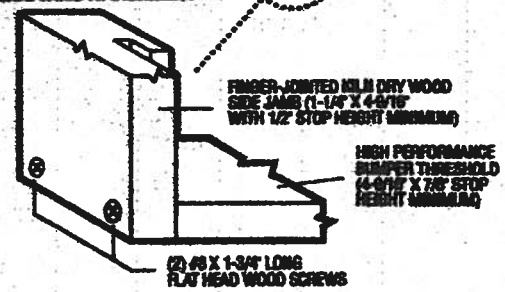
ALUMINUM EXTRUDED ASTRAGAL (0.05" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS -- LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



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

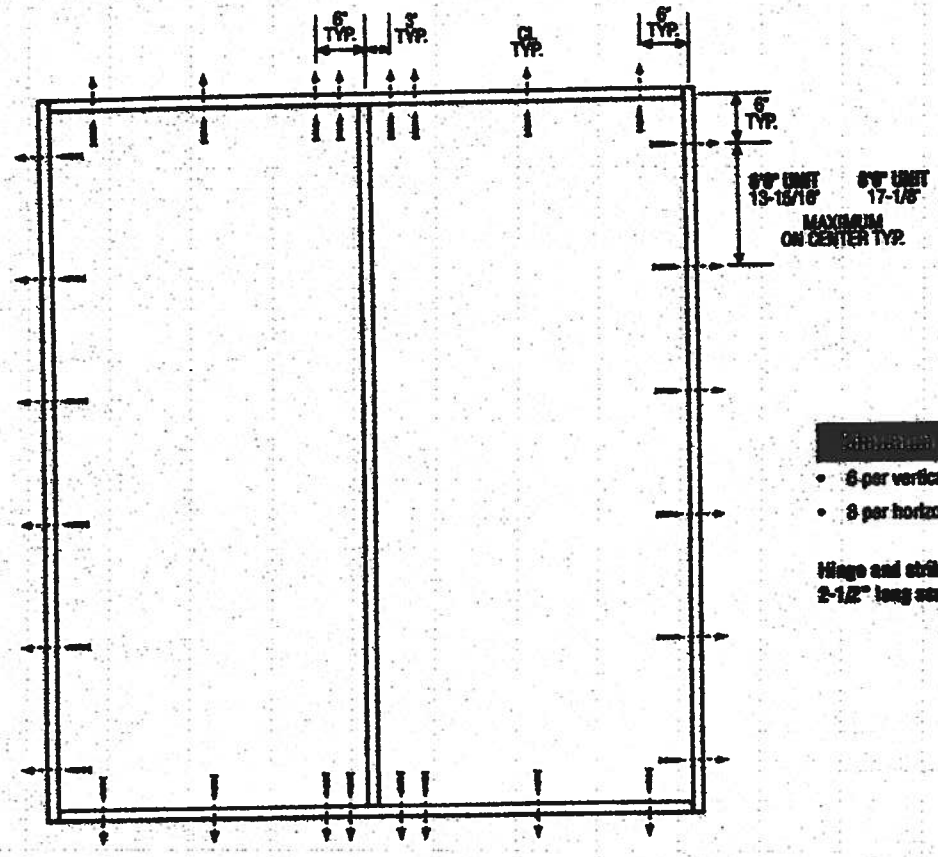
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

XX
Unit

[redacted]

DOUBLE DOOR



[redacted]

- 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) cylinderical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fastaners 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/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

March 29, 2002

TAMKO
ROOFING PRODUCTS

FEB - 4 RECD

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.

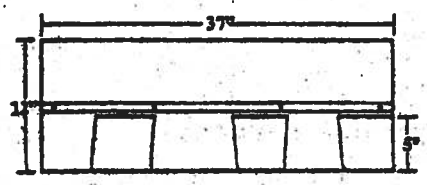
TAMKO Roofing Products, Inc.

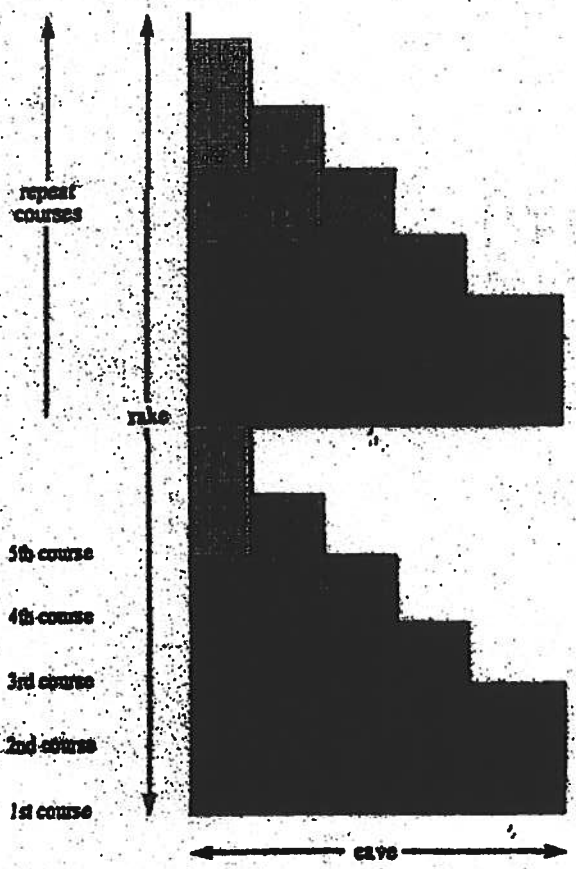
CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-641-1925

TAMKO
ROOFING PRODUCTS

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.

TAMKO ROOFING PRODUCTS

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 rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness 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 ≥ 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.

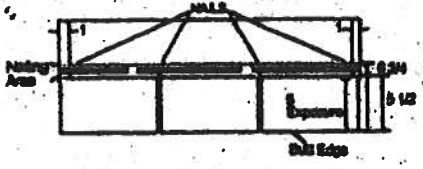
3. FASTENING

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.

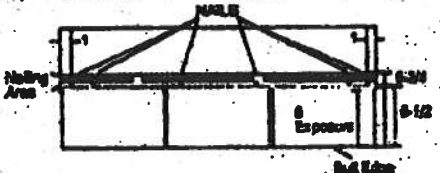
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or 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 fastener 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)

(CONTINUED from Pg. 2)

TAMKO ROOFING PRODUCTS

• Glass-Seal • Elite Glass-Seal®
• Glass-Seal AR • 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 Mansard Fastening Pattern.

2. 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 refasten in a new location. Remove all drip edge metal and replace with new.

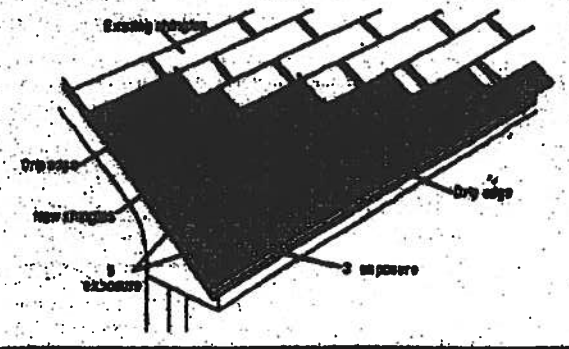
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing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

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

Starter Course: 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 shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

3. 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 felt 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.

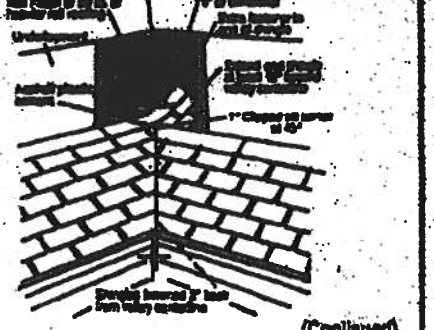
- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal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

TAMKO assumes no responsibility for blistering.

(Continued)

(CONTINUED from Pg. 3)

TAMKO ROOFING PRODUCTS

- 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.

10. 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 winds. 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.

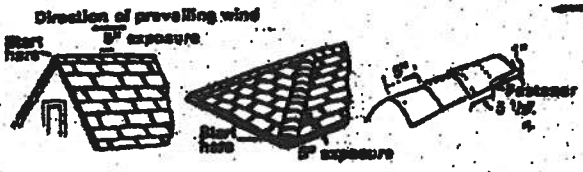
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

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 WHILE BENDING 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.

Residential System Sizing Calculation

Summary

Spec House

Lake City, FL 32025-

Project Title:
Lot 53 - Callaway Phase II

Code Only
Professional Version
Climate: North

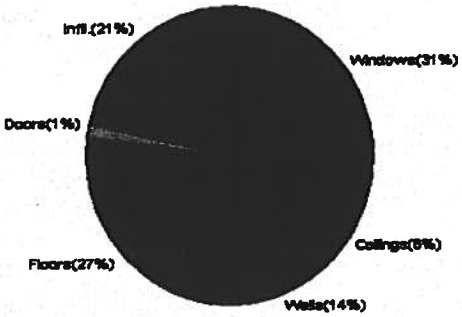
1/30/2006

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	**36824**	**Btuh**	**Total cooling load calculation**	**48639**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.5	44000	Sensible (SHR = 0.75)	79.9	33000
Heat Pump + Auxiliary(0.0kW)	119.5	44000	Latent	149.9	11000
			Total (Electric Heat Pump)	90.5	44000

WINTER CALCULATIONS

Winter Heating Load (for 1800 sqft)

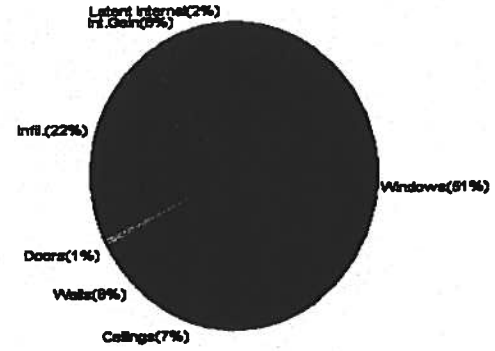
Load component			Load	
Window total	355	sqft	11437	Btuh
Wall total	1545	sqft	5073	Btuh
Door total	40	sqft	518	Btuh
Ceiling total	1900	sqft	2239	Btuh
Floor total	224	sqft	9780	Btuh
Infiltration	192	cfm	7777	Btuh
Duct loss			0	Btuh
Subtotal			**36824**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**36824**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1800 sqft)

Load component			Load	
Window total	355	sqft	24949	Btuh
Wall total	1545	sqft	4096	Btuh
Door total	40	sqft	490	Btuh
Ceiling total	1900	sqft	3570	Btuh
Floor total			0	Btuh
Infiltration	168	cfm	4414	Btuh
Internal gain			3780	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**41300**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			6140	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**7340**	**Btuh**
TOTAL HEAT GAIN			**48639**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Will Myers
DATE: 1/30/06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Lake City, FL 32025-

Project Title:
Lot 53 - Callaway Phase II

Code Only
Professional Version
Climate: North

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	75.0	32.2	2414 Btuh
2	2, Clear, Metal, 0.87	W	6.0	32.2	193 Btuh
3	2, Clear, Metal, 0.87	N	40.0	32.2	1288 Btuh
4	2, Clear, Metal, 0.87	W	63.0	32.2	2028 Btuh
5	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
8	2, Clear, Metal, 0.87	N	6.0	32.2	193 Btuh
9	2, Clear, Metal, 0.87	E	16.0	32.2	515 Btuh
10	2, Clear, Metal, 0.87	E	13.3	32.2	428 Btuh
11	2, Clear, Metal, 0.87	E	56.0	32.2	1803 Btuh
12	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
	Window Total		355(sqft)		11437 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1397	3.3	4587 Btuh
2	Frame - Wood - Adj(0.09)	13.0	148	3.3	486 Btuh
	Wall Total		1545		5073 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1900	1.2	2239 Btuh
	Ceiling Total		1900		2239Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	224.0 ft(p)	43.7	9780 Btuh
	Floor Total		224		9780 Btuh
			Zone Envelope Subtotal:		29047 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	14400	192.0	7777 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**36824 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Lot 53 - Callaway Phase II

Code Only
Professional Version
Climate: North

1/30/2006

	Subtotal Sensible	36824 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36824 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

Lake City, FL 32025-

Project Title:
Lot 53 - Callaway Phase II

Code Only
Professional Version
Climate: North

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	75.0	32.2	2414 Btuh
2	2, Clear, Metal, 0.87	W	6.0	32.2	193 Btuh
3	2, Clear, Metal, 0.87	N	40.0	32.2	1288 Btuh
4	2, Clear, Metal, 0.87	W	63.0	32.2	2028 Btuh
5	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
8	2, Clear, Metal, 0.87	N	6.0	32.2	193 Btuh
9	2, Clear, Metal, 0.87	E	16.0	32.2	515 Btuh
10	2, Clear, Metal, 0.87	E	13.3	32.2	428 Btuh
11	2, Clear, Metal, 0.87	E	56.0	32.2	1803 Btuh
12	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
	Window Total		355(sqft)		11437 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1397	3.3	4587 Btuh
2	Frame - Wood - Adj(0.09)	13.0	148	3.3	486 Btuh
	Wall Total		1545		5073 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1900	1.2	2239 Btuh
	Ceiling Total		1900		2239Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	224.0 ft(p)	43.7	9780 Btuh
	Floor Total		224		9780 Btuh
			Zone Envelope Subtotal:		29047 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	14400	192.0	7777 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**36824 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Lot 53 - Callaway Phase II

Code Only
Professional Version
Climate: North

1/30/2006

	Subtotal Sensible	36824 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36824 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 53 - Callaway Phase 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* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	75.0	0.0	75.0	35	86	6420 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	6.0	0.0	6.0	35	86	514 Btuh
3	2, Clear, 0.87, None,N,N	N	7.5ft	10ft.	40.0	0.0	40.0	35	35	1402 Btuh
4	2, Clear, 0.87, None,N,N	W	10.5f	10ft.	63.0	51.4	11.6	35	86	2793 Btuh
5	2, Clear, 0.87, None,N,N	SW	10.5f	10ft.	20.0	20.0	0.0	35	69	701 Btuh
6	2, Clear, 0.87, None,N,N	S	7.5ft	10ft.	15.0	15.0	0.0	35	40	526 Btuh
7	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	35	35	1052 Btuh
8	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	6.0	0.0	6.0	35	35	210 Btuh
9	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	16.0	0.0	16.0	35	86	1370 Btuh
10	2, Clear, 0.87, None,N,N	E	7.83	10ft.	13.3	6.3	7.0	35	86	819 Btuh
11	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	56.0	0.0	56.0	35	86	4794 Btuh
12	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	35	40	526 Btuh
	Excursion									3823 Btuh
	Window Total				355 (sqft)					24949 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1396.7	2.7	3781 Btuh
2	Frame - Wood - Adj	13.0/0.09	148.0	2.1	315 Btuh
	Wall Total		1545 (sqft)		4096 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	12.3	245 Btuh
2	Insulated - Exterior	20.0	12.3	245 Btuh
	Door Total	40 (sqft)		490 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1900.0	1.9	3570 Btuh
	Ceiling Total		1900 (sqft)		3570 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	224 (ft(p))	0.0	0 Btuh
	Floor Total		224.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		33106 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	14400	168.0	4414 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	2400	3780 Btuh
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		**41300 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Lot 53 - Callaway Phase II

Code Only
Professional Version
Climate: North

1/30/2006

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**41300 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**41300 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**41300 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6140 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**7340 Btuh**
	TOTAL GAIN	**48639 Btuh**

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Lake City, FL 32025-

Project Title:
Lot 53 - Callaway Phase II

Code Only
Professional Version
Climate: North

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

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	75.0	0.0	75.0	35	86	6420 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	6.0	0.0	6.0	35	86	514 Btuh
3	2, Clear, 0.87, None,N,N	N	7.5ft	10ft.	40.0	0.0	40.0	35	35	1402 Btuh
4	2, Clear, 0.87, None,N,N	W	10.5f	10ft.	63.0	51.4	11.6	35	86	2793 Btuh
5	2, Clear, 0.87, None,N,N	SW	10.5f	10ft.	20.0	20.0	0.0	35	69	701 Btuh
6	2, Clear, 0.87, None,N,N	S	7.5ft	10ft.	15.0	15.0	0.0	35	40	526 Btuh
7	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	35	35	1052 Btuh
8	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	6.0	0.0	6.0	35	35	210 Btuh
9	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	16.0	0.0	16.0	35	86	1370 Btuh
10	2, Clear, 0.87, None,N,N	E	7.83	10ft.	13.3	6.3	7.0	35	86	819 Btuh
11	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	56.0	0.0	56.0	35	86	4794 Btuh
12	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	35	40	526 Btuh
	Excursion									3823 Btuh
	Window Total				355 (sqft)					24949 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1396.7	2.7	3781 Btuh
2	Frame - Wood - Adj	13.0/0.09	148.0	2.1	315 Btuh
	Wall Total		1545 (sqft)		4096 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	12.3	245 Btuh
2	Insulated - Exterior	20.0	12.3	245 Btuh
	Door Total	40 (sqft)		490 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1900.0	1.9	3570 Btuh
	Ceiling Total		1900 (sqft)		3570 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	224 (ft(p))	0.0	0 Btuh
	Floor Total		224.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		33106 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	14400	168.0	4414 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 230 +	2400	3780 Btuh

Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh
		Sensible Zone Load	**41300 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Lot 53 - Callaway Phase II

Code Only
Professional Version
Climate: North

1/30/2006

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**41300 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**41300 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**41300 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6140 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**7340 Btuh**
	TOTAL GAIN	**48639 Btuh**

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

For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Lake City, FL 32025-

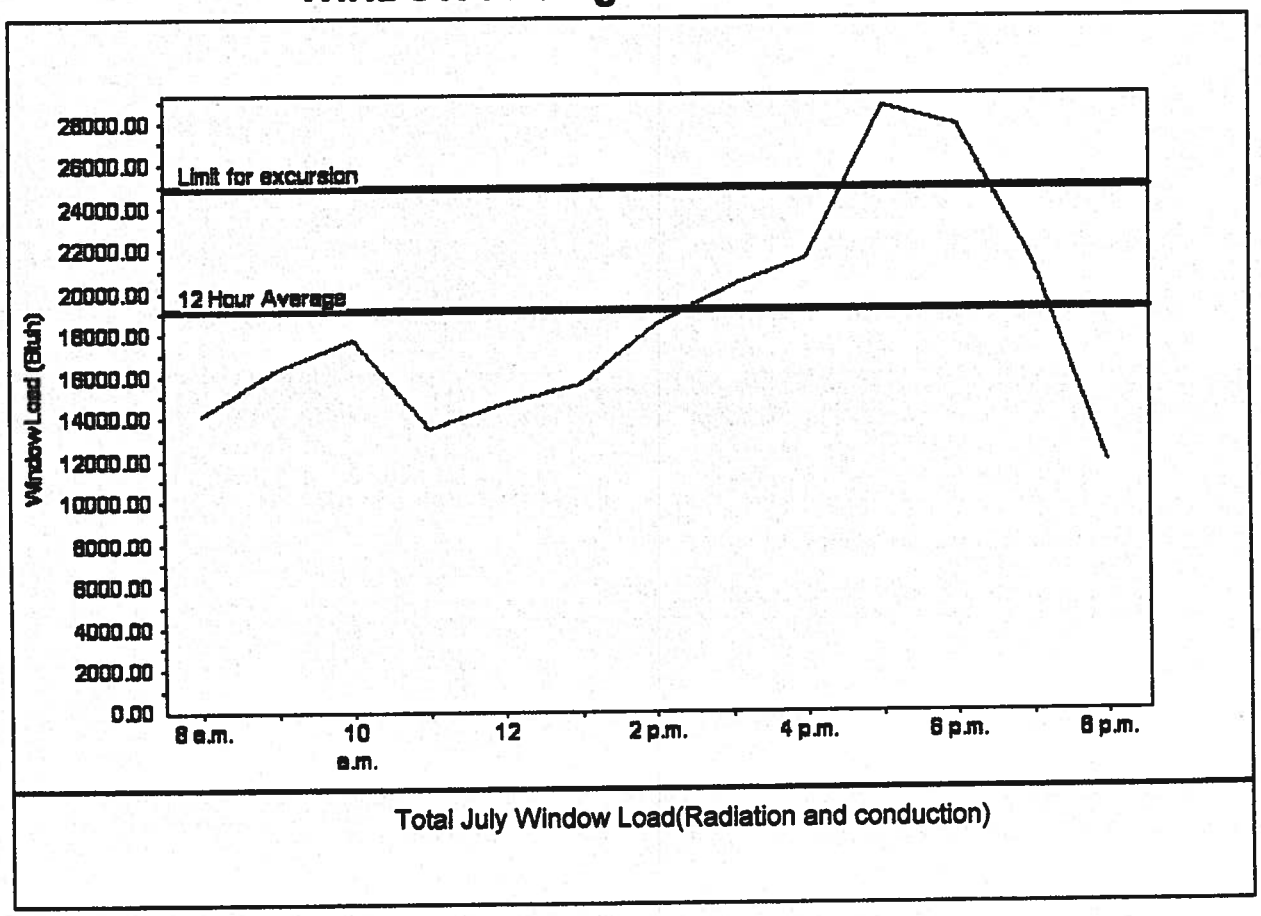
Project Title:
Lot 53 - Callaway Phase II

Code Only
Professional Version
Climate: North

1/30/2006

Summer design temperature	99 F	Average window load for July	19152 Btu
Summer setpoint	75 F	Peak window load for July	28720 Btu
Summer temperature difference	24 F	Excusion limit(130% of Ave.)	24897 Btu
Latitude	29 North	Window excursion (July)	3823 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

Adam
229-300-7404

Lot 54 #24836

Cal-Tech Testing, Inc.

• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
6919 Distribution Ave. S., Unit #5, Jacksonville, FL 32257 • Tel(904)262-4046 • Fax(904)262-4047
2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 06-484
DATE TESTED: 9/25/06
DATE REPORTED: 10/3/06

PROJECT:	Calloway Subdivision, Lot #53, 54, 55, Lake City, FL
CLIENT:	Chrismill Homes, 2404 Bemiss Road, Valdosta, GA 31602
GENERAL CONTRACTOR:	Chrismill Homes
EARTHWORK CONTRACTOR:	Chrismill Homes
INSPECTOR:	John Osteen

ASTM METHOD	**SOIL USE**
(D-2922) Nuclear	BUILDING FILL

SPECIFICATION REQUIREMENTS: 95%

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
13	NE Corner 10+54	0-12"	124.1	8.0	114.9	1	113.1	101.6%
14	NW Corner 10+54	0-12"	123.7	7.8	114.7	1	113.1	101.5%
15	SE Corner 10+54	0-12"	123.8	7.9	114.7	1	113.1	101.4%
16	SW Corner 10+55	0-12"	122.7	7.4	114.2	1	113.1	101.0%
17	NE Corner 10+55	0-12"	121.5	7.4	113.1	1	113.1	100.0%
18	NW Corner 10+55	0-12"	122.0	7.5	113.5	1	113.1	100.3%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS

PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft³)	OPT. MOIST.	TYPE
1	Greyish Tan Silty Fine Sand	113.1	11.2	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda Creamer

Linda M. Creamer
President - CEO

Reviewed By:

Robert W Clark

Date: 10/3/06
Florida Registration No: 52210

sw

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

24837 L
24838

Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

P.O. Box 1625 · Lake City, FL 32056 | Tel. (386) 755-3633 · Fax (386) 752-5456
4784 Rosselle Street · Jacksonville, FL 32254 | Tel. (904) 381-8901 · Fax (904) 381-8902
2230 Greensboro Highway · Quincy, FL 32351 | Tel. (850) 442-3495 · Fax (850) 442-4008

Lot 54 #24836

October 5, 2006

Chrismill Homes
2404 Bemiss Road
Valdosta, Georgia 31602

Attention: Adam Durrell

Reference: Lots 54 & 55
Calloway Subdivision
Lake City, Florida
Cal-Tech Project No. 06-484

Dear Mr. Durrell,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation for lots 54 and 55 in Calloway Subdivision, Lake City, Florida. Our work was performed in conjunction with and authorized by you.

Introduction

Prior to our site visit, approximately three to four feet of fill had been placed on both lots, and the excavations for the foundations had been completed. The excavations extended to a depth of about two feet, and the bearing surface was within the placed fill. We understand that due to the presence of clayey soils at the bearing elevation in some areas, an evaluation of the underlying material was required to determine if the clayey soils were expansive in nature.

Site Investigation

The subsurface conditions were investigated by performing two hand-auger borings at each site, advanced to depths of 4 feet. The borings were performed in the footing excavations, at the approximate locations indicated on the attached Boring Location Plan. These locations were selected by us, where clayey soils were exposed.

Hand-auger borings are performed by manually advancing a three-inch diameter, metal sleeve into the soil to recover samples from limited depths. Samples are examined for soil type and color.

Findings

The soil borings generally encountered two soil strata. The first layer consists of 0.5 to 1.0 feet of tannish grey, greyish tan, tannish gray and orange or gray and orange clayey sand (SC) or very sandy clay (CL). The second layer consists of an undetermined thickness of generally dark tannish grey, greyish tan, grey and light tan, fine sand (SP) or sand with silt (SP/SM)). Ground water was not encountered at the time of our investigation.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs. Note specifically the transition between soil layers may be gradual and not abrupt as indicated by the logs; therefore, the thickness of soil layers should be considered approximate.

Discussion and Recommendations

Based on our field observations of the materials encountered in both borings in Lots 54 and 55, the clayey soils were determined to be slightly plastic, and thus should have a relatively low probability of volume change.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us if you have questions about this report or if we may be of further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer
President / C.E.O.

Robert W. Clark, P.E. 10/6/06
Geotechnical Engineer
Registered Florida, No. 52210

A-1

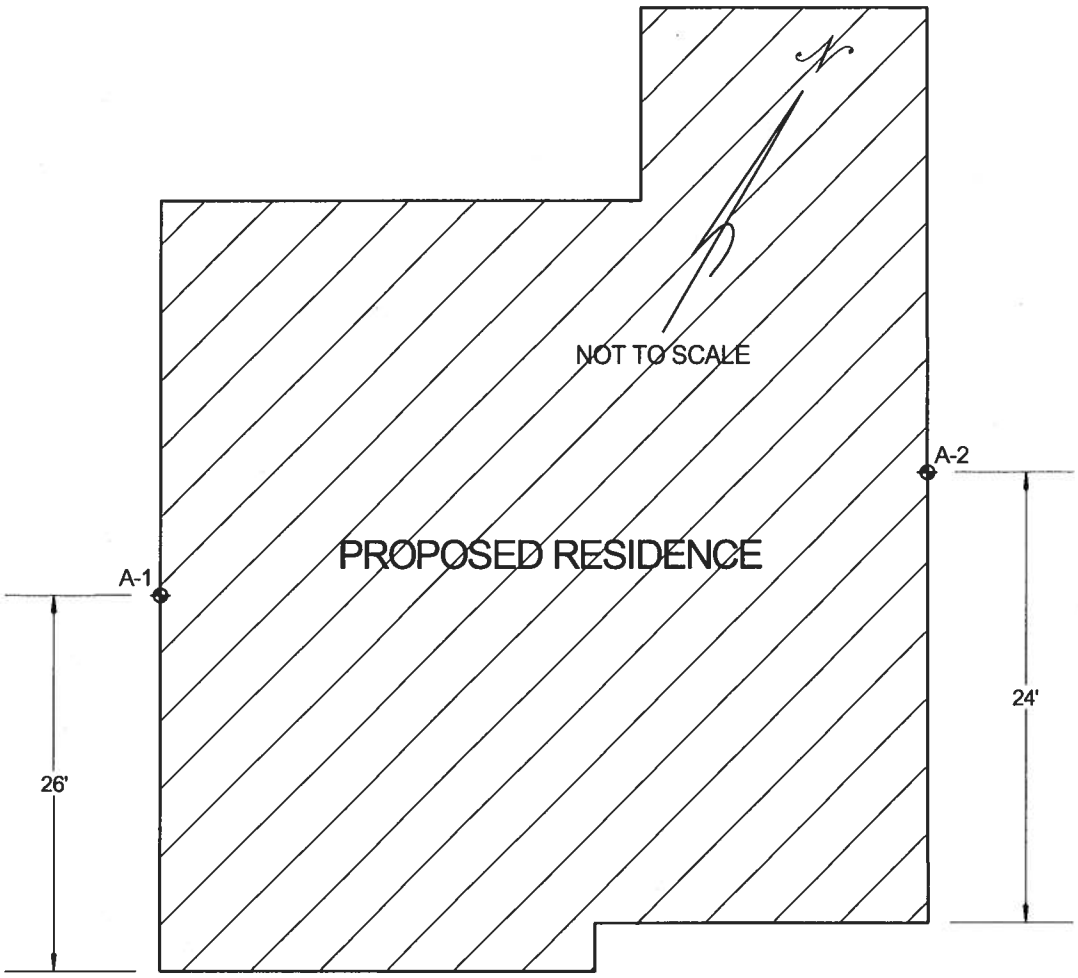
Water Table: N/A

Depth (ft)	Soil Description
0 ft	Grey and Orange, Clayey Sand (SC)
	Light Tannish Grey, Fine Sand (SP)
	Dark Grey Sand with Silt (SP/SM)
4 ft TOB	Dark Grey Sand with Silt (SP/SM)

A-2

Water Table: N/A

Depth (ft)	Soil Description
0 ft	Tannish Grey, Very Sandy Clay (CL)
	Greyish Tan Sand with Silt, Trace Organics (SP/SM)
	Dark Grey, Fine Sand (SP)
4 ft TOB	Greyish Tan Sand (SP)



LOT 54
CALLOWAY SUBDIVISION

REPORT OF SOIL BORINGS

DRAWN BY:	CHECKED BY:	DATE	JOB NO.
S.C. YOUNG		10/5/06	06-484

SHEET NO.

1 of 2

A-1

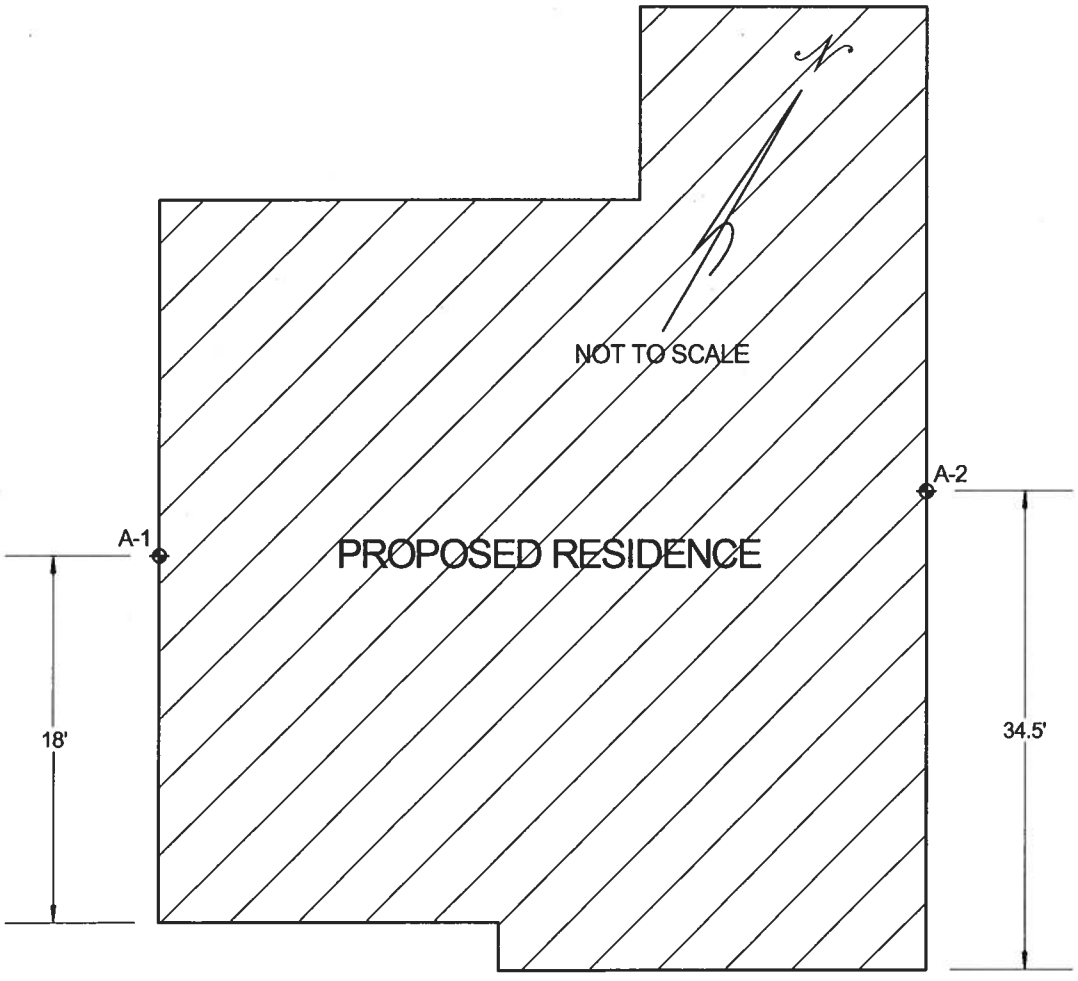
Water Table: N/A

Depth (ft)	Soil Description
0 ft	Tannish Grey and Orange, Very Sandy Clay (CL)
	Dark Tannish Grey Sand with Silt, Trace Organics (SP/SM)
	Grey, Fine Sand (SP)
	Light Tan Sand (SP)
4 ft TOB	

A-2

Water Table: N/A

Depth (ft)	Soil Description
0 ft	Greyish Tan, Clayey Sand (SP)
	Tannish Grey Sand with Silt, Trace Organics (SP/SM)
	Light Grey, Fine Sand (SP)
4 ft TOB	Light Greyish Tan Sand (SP)



LOT 55
CALLOWAY SUBDIVISION

REPORT OF SOIL BORINGS

DRAWN BY:	CHECKED BY:	DATE	JOB NO.
S.C. YOUNG		10/5/06	06-484

SHEET NO.
2 of 2

INV. ELEV. 83.40
85.50 FT
INV. ELEV. 83.50
85.50 FT
CONSTRUCT ± 1100 LF
SINGLE ROW SILT FENCE
AROUND ENTIRE SITE
GRADE TO NATURAL GRADE
AT ALL PROPERTY LINES
INV. ELEV. 83.90
INV. ELEV. 84.00
85.75 FT
85.75 FT
LOT 53
MIN. F.F.E. 88.5 FT
℄ OF ROADWAY
ELEV. 86.01 FT
INV. ELEV. 85.75
INV. ELEV. 85.85
86.5 FT
86.57 FT
86.5 FT
86.75 FT
BOTTOM OF DITCH
LOT 54
MIN. F.F.E. 88.5 FT
CONSTRUCT ± 100 LF
DITCH SWALE,
V-BOTTOM DITCH
LOT 55
MIN. F.F.E. 88.5 FT
86.4 FT
BOTTOM OF DITCH
86.3 FT
BOTTOM OF DITCH
CONSTRUCT ± 90 LF
DITCH SWALE,
FLAT-BOTTOM DITCH
86.0 FT
EXISTING STORMWATER BASIN
100-YEAR FLOOD ELEV. 85.0 FT
FLOOD OF RECORD 87.3 FT

CONTRACTOR SHALL TAKE FILL REQUIRED FOR LOTS FROM STORMWATER BASIN. IF FILL FROM STORMWATER BASIN IS UNSUITABLE 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.

ALL DISTRUBED AREAS SHALL BE STABILIZED AND GRASSED.

THIS GRADING PLAN FOR LOTS 53, 54 AND 55 WILL NOT ADVERSELY IMPACT ADJACENT LOT OWNERS.

GRAPHIC SCALE
50 0 50 100 FEET

Bailey Bishop & Lane, Inc.
P.O. Box 3717 Lake City, FL 32056 Ph. 386-752-5640 Eng. Lic. 7362
P.O. Box 814 Port St. Joe, FL 32457 Ph. 850-227-9449 Survey Lic. LB-0006685

CALLAWAY
LOTS 53 TO 55
GRADING PLAN

REVISIONS:
07/17/06
07/25/06

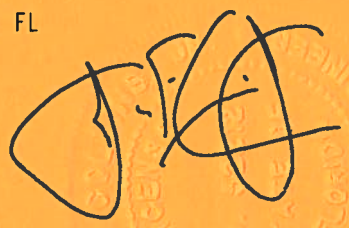
JOB NUMBER: 051101WES
DESIGNED BY: RF
DRAFTED BY: RF
CHECKED BY: GB
SIGNATURE & SEAL
7/25/06
DATE: 07-05-06
SHEET NO. 5

X:\2005\051101WES\dwg\sSTEasb01.dwg, GRADING PLAN, 7/25/2006 2:03:51 PM

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SVX215-Z0530092922

Truss Fabricator:	W.B. Howland
Job Identification:	3339-/Lot 53 Callaway II /Chris Mills Homes -- LAKE CITY, FL
Truss Count:	49
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.24.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 32.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 03/30/2006

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

Notes:

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

Details: A11015EE-GBLLETIN-BRCLBSUB-CNBRGBLK-

#	Ref Description	Drawing#	Date
1	53273--A1HG	06089123	03/30/06
2	53274--A2	06089104	03/30/06
3	53275--A3	06089105	03/30/06
4	53276--A4	06089124	03/30/06
5	53277--B1GE	06089126	03/30/06
6	53278--B2	06089106	03/30/06
7	53279--B3	06089107	03/30/06
8	53280--C1HG (2-PLY)	06089127	03/30/06
9	53281--C2	06089108	03/30/06
10	53282--C3	06089109	03/30/06
11	53283--C4	06089110	03/30/06
12	53284--C5	06089111	03/30/06
13	53285--C6	06089112	03/30/06
14	53286--C7	06089113	03/30/06
15	53287--C8	06089114	03/30/06
16	53288--C9	06089128	03/30/06
17	53289--C10	06089129	03/30/06
18	53290--C11	06089130	03/30/06
19	53291--C12	06089135	03/30/06
20	53292--C13	06089137	03/30/06
21	53293--C14G	06089168	03/30/06
22	53294--C15	06089144	03/30/06
23	53295--C16	06089145	03/30/06
24	53296--C17	06089147	03/30/06
25	53297--C18	06089149	03/30/06
26	53298--C19	06089151	03/30/06
27	53299--C20	06089153	03/30/06
28	53300--C21	06089154	03/30/06
29	53301--C22	06089155	03/30/06
30	53302--C23HG (2-PLY)	06089158	03/30/06
31	53303--D1HG	06089159	03/30/06
32	53304--D2G (2-PLY)	06089167	03/30/06
33	53305--E1GE	06089160	03/30/06
34	53306--E2	06089115	03/30/06
35	53307--E3G (2-PLY)	06089169	03/30/06
36	53308--JC1	06089161	03/30/06

#	Ref Description	Drawing#	Date
37	53309--JC2	06089116	03/30/06
38	53310--JC3	06089117	03/30/06
39	53311--JC5	06089118	03/30/06
40	53312--JC5A	06089119	03/30/06
41	53313--JE5	06089120	03/30/06
42	53314--JE7	06089121	03/30/06
43	53315--JE7A	06089001	03/30/06
44	53316--JE7B	06089122	03/30/06
45	53317--JH6	06089162	03/30/06
46	53318--JH7	06089163	03/30/06
47	53319--JH10	06089164	03/30/06
48	53320--PB-C1	06089165	03/30/06
49	53321--PB-C2	06089166	03/30/06

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1SVX215-Z0530092922

Truss Fabricator:	W.B. Howland
Job Identification:	3339-/Lot 53 Callaway II /Chris Mills Homes -- LAKE CITY, FL
Truss Count:	1
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.24.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 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

Seal Date: 03/30/2006

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	53302--C23HG	(2-PLY)	06089158	03/30/06

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

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

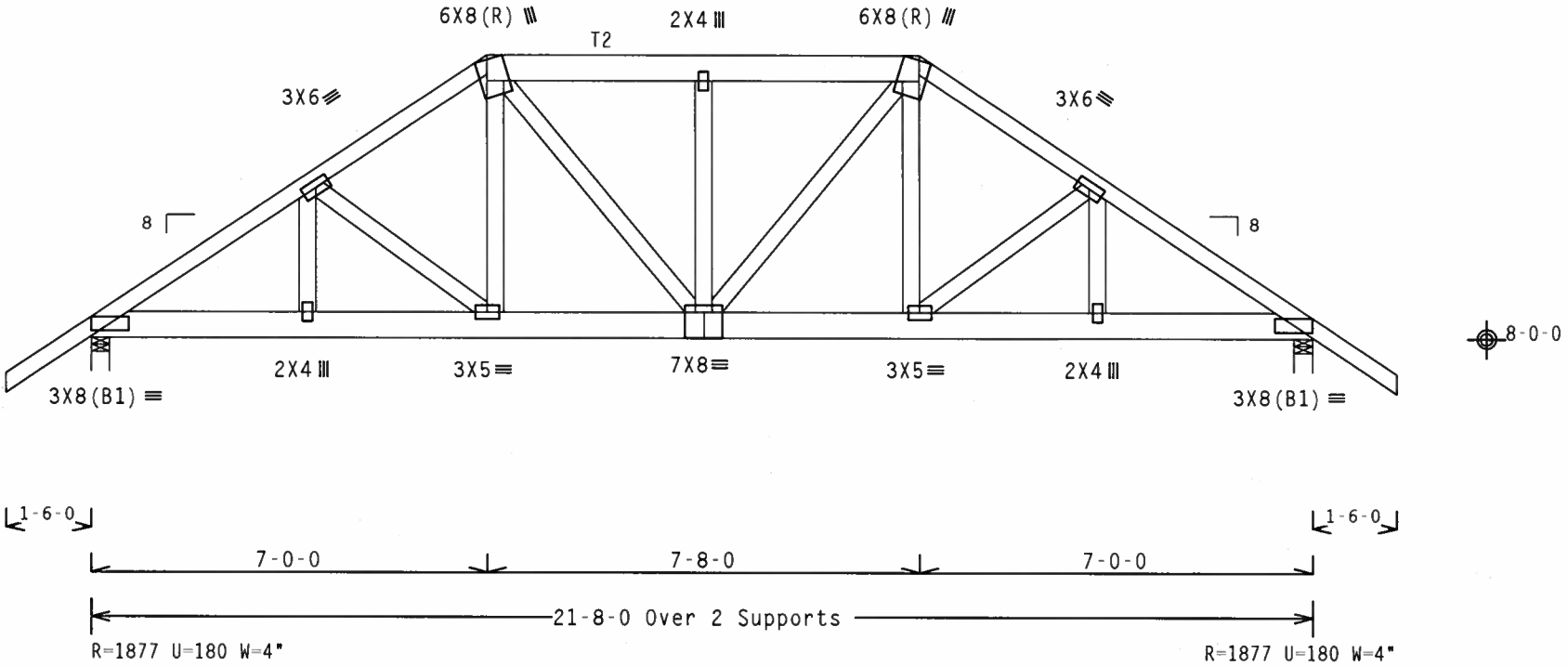
Deflection meets L/360 live and L/240 total load.

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

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.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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

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

Mar 30

TC LL	20.0 PSF	REF R215-- 53273
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089123
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 113922
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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

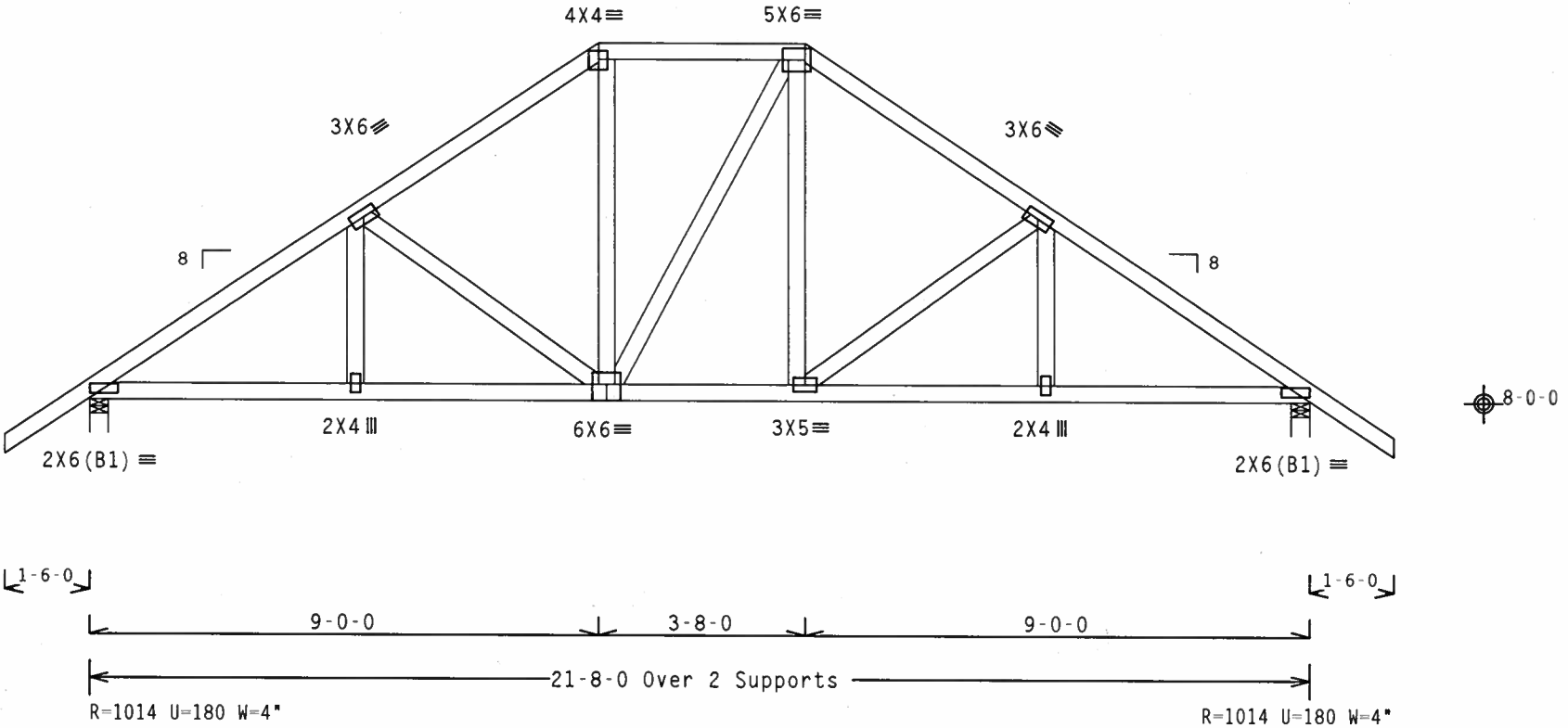
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
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Haines City, FL 33844
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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 30 06

TC LL	20.0 PSF	REF R215-- 53274
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089104
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 113926
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

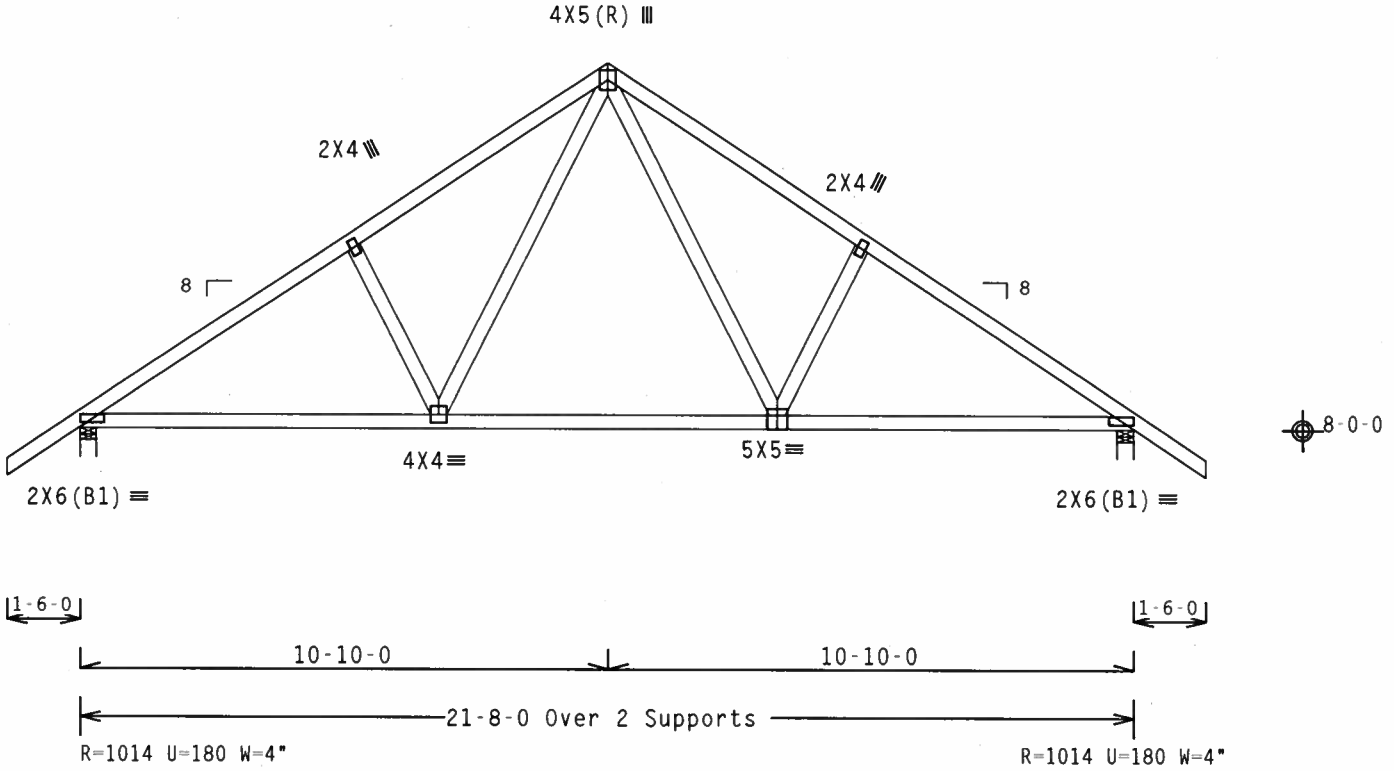
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 [illegible] QTY:2 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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

Mar 30 06

TC LL	20.0 PSF	REF	R215-- 53275
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089105
BC LL	0.0 PSF		HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	113930
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

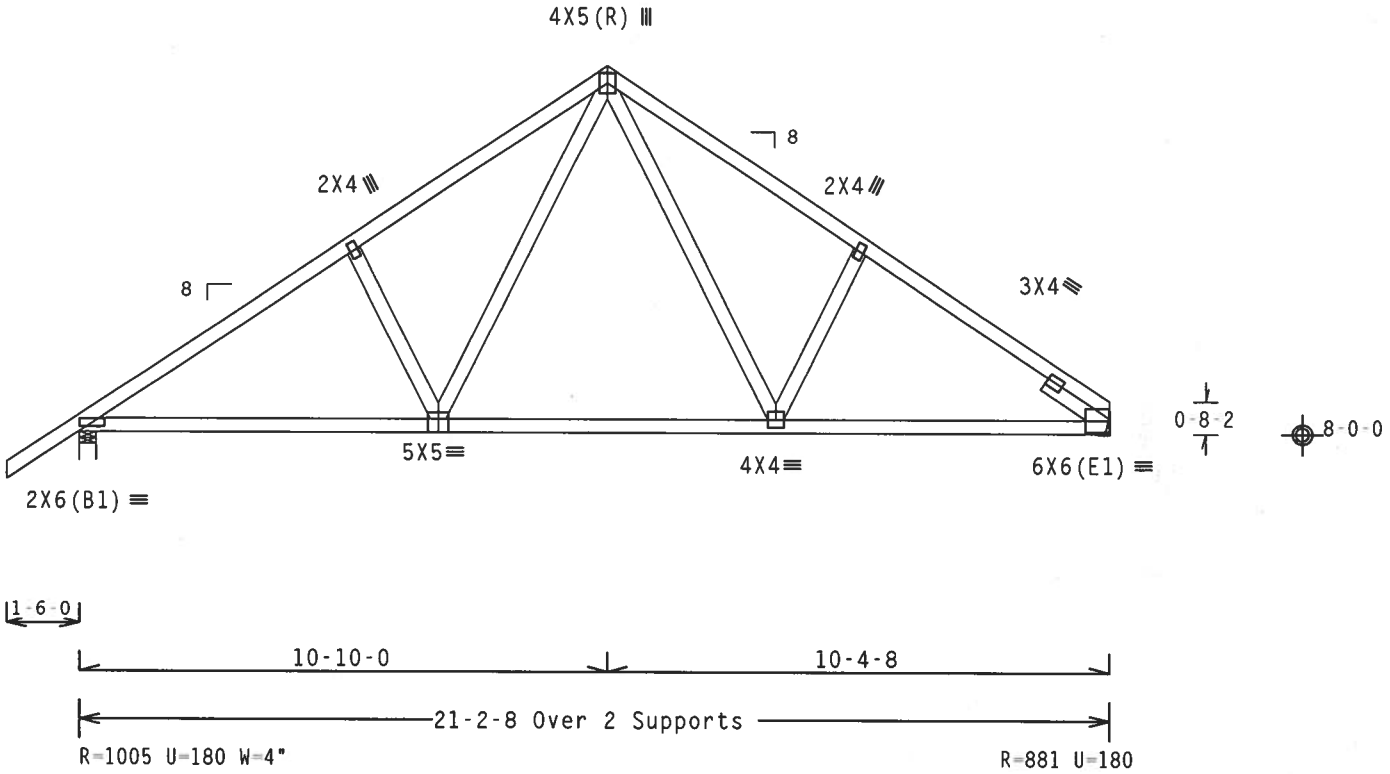
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.533'

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.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.6 QTY:4 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 30 06

TC LL	20.0 PSF	REF	R215-- 53276
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089124
BC LL	0.0 PSF		HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN-	113940
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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.

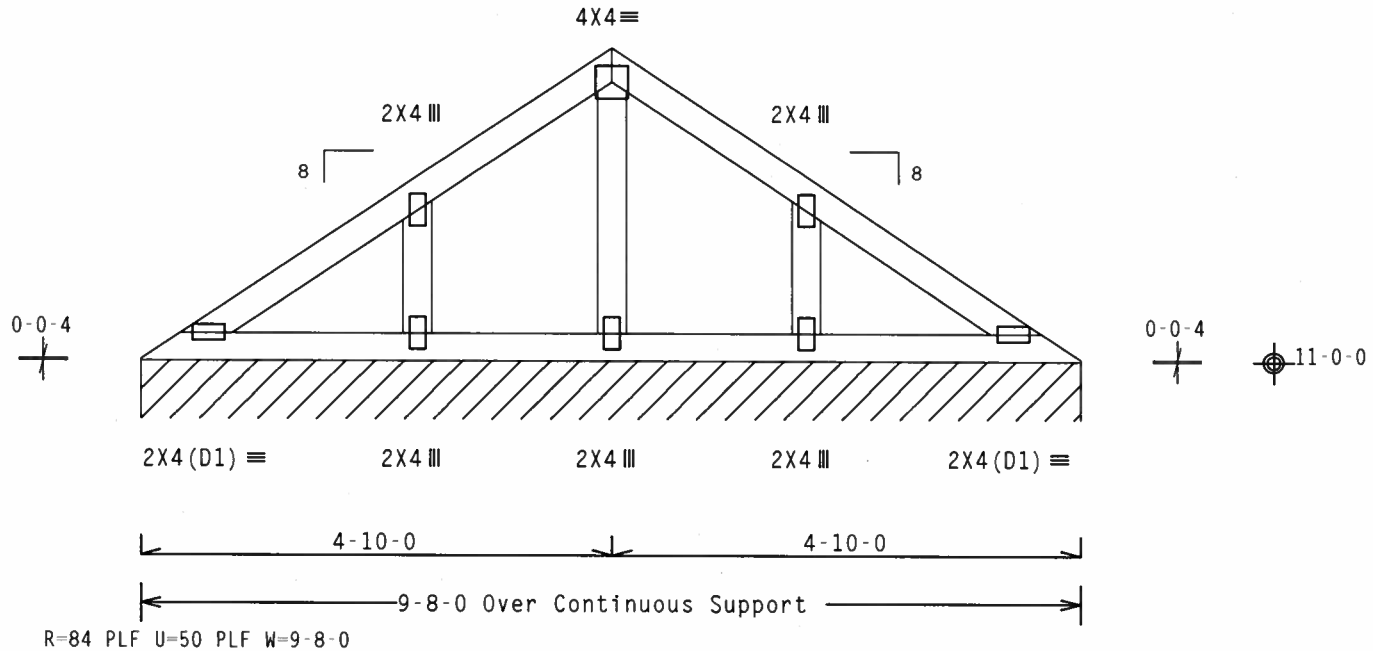
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

The overall height of this truss excluding overhang is 3-2-15.



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

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 30 '06

TC LL	20.0 PSF	REF R215-- 53277
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089126
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 113862
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

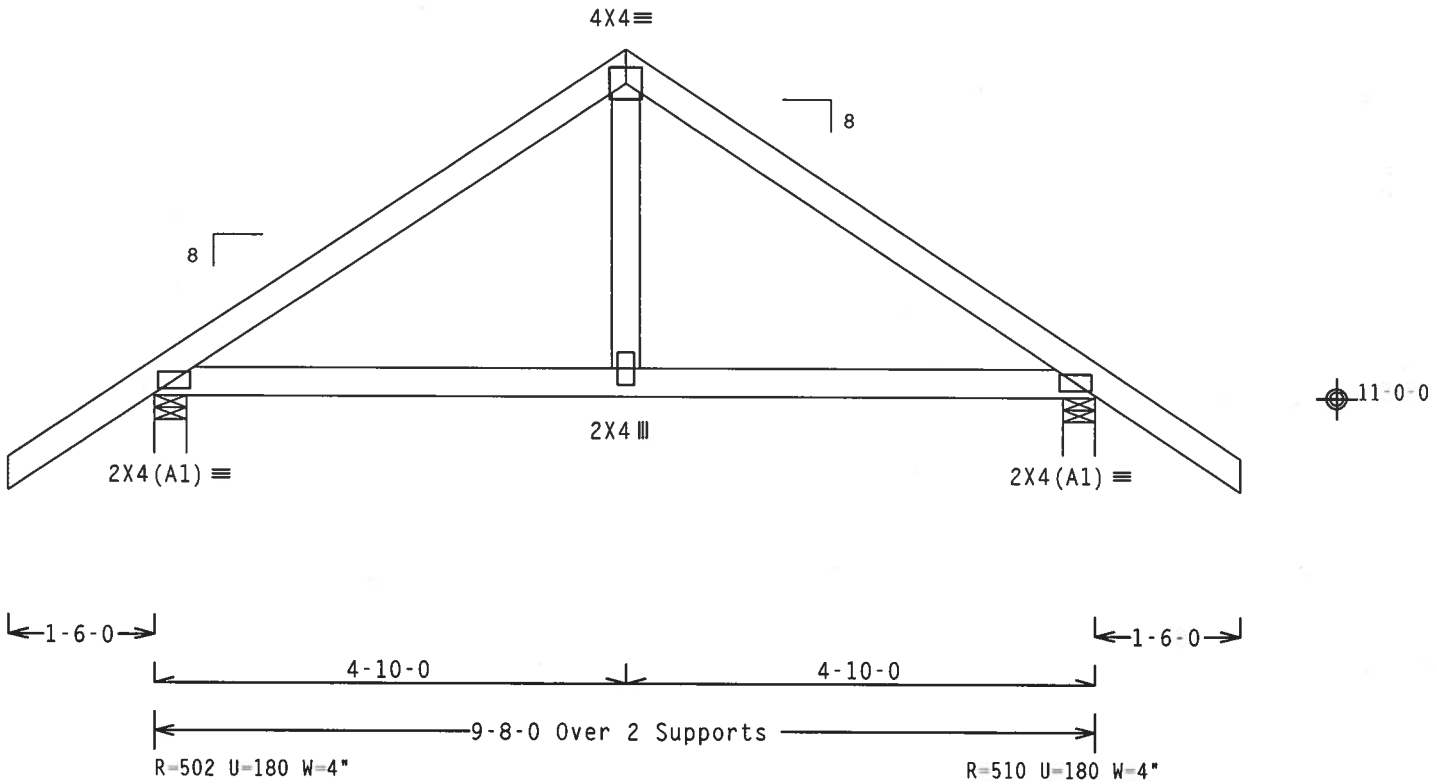
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

QTY:1

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

Scale =.5"/Ft.

ALPINE

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

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IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF R215-- 53278
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089106
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 113865
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

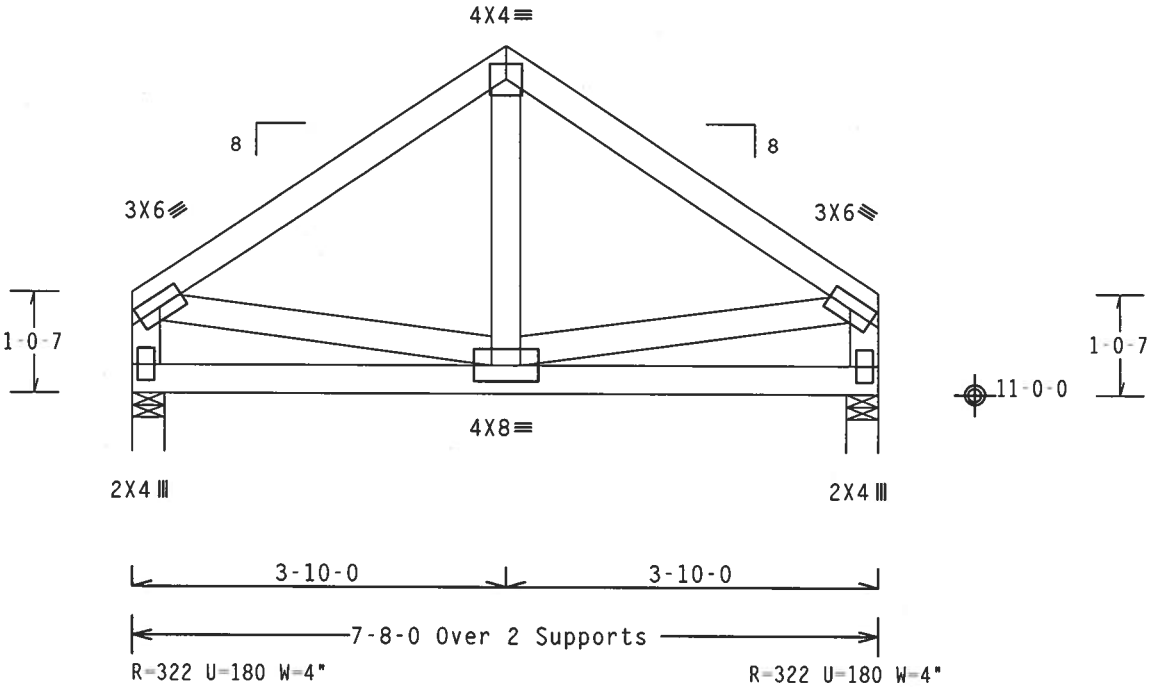
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE

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

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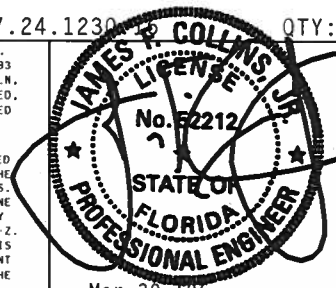


Mar 30 '06

TC LL	20.0 PSF	REF R215-- 53279
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089107
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 113870
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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.

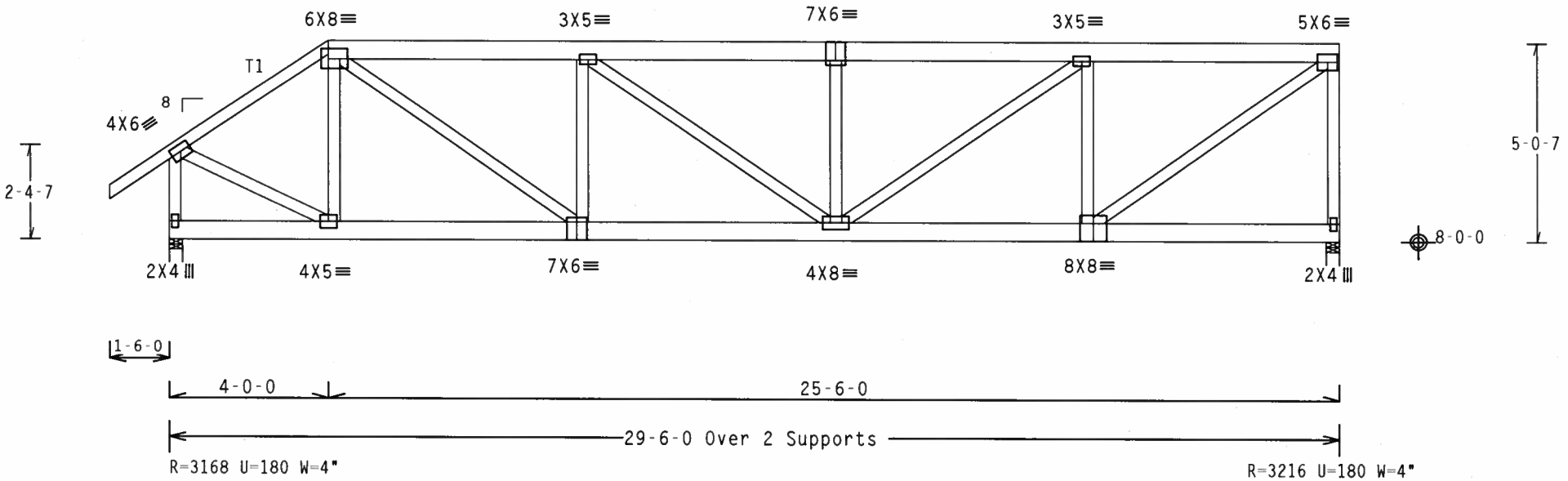
The overall height of this truss excluding overhang is 5-0-7.

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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Ma 30

TC LL	20.0 PSF	REF R215-- 53280
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089127
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 113950
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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.

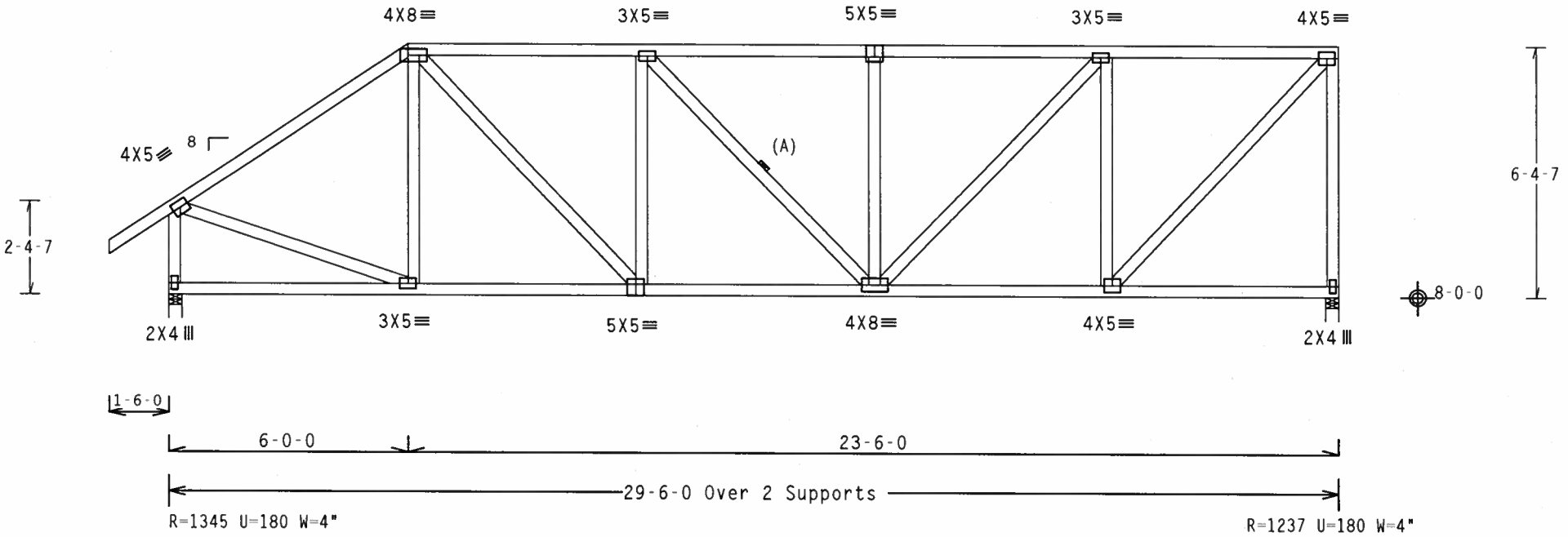
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 6-4-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 1[illegible] QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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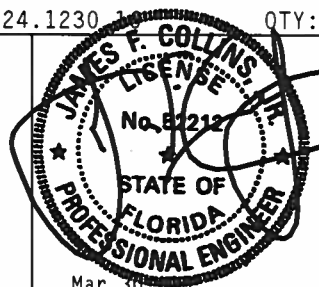


Mar 30 06

TC LL	20.0 PSF	REF R215-- 53281
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089108
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 113986
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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.

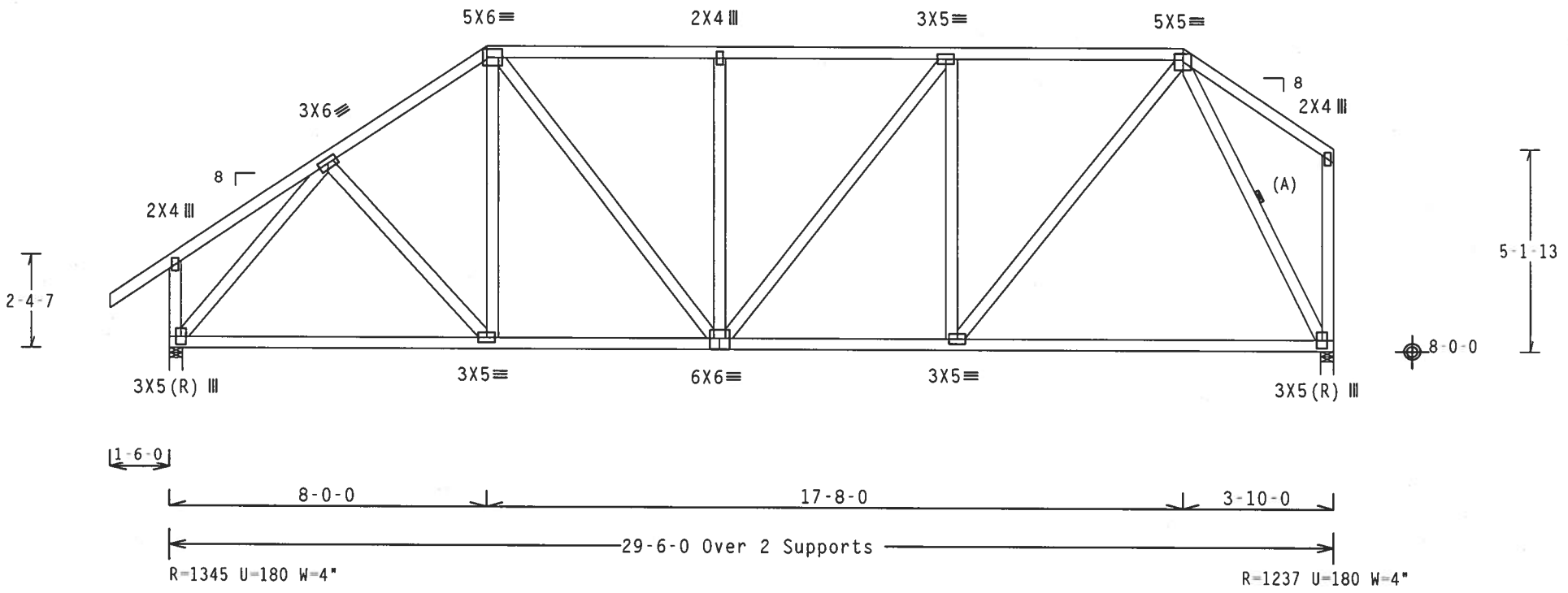
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 7-8-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 12 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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

Mar 30 06

TC LL	20.0 PSF	REF	R215-- 53282
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089109
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	113990
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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.

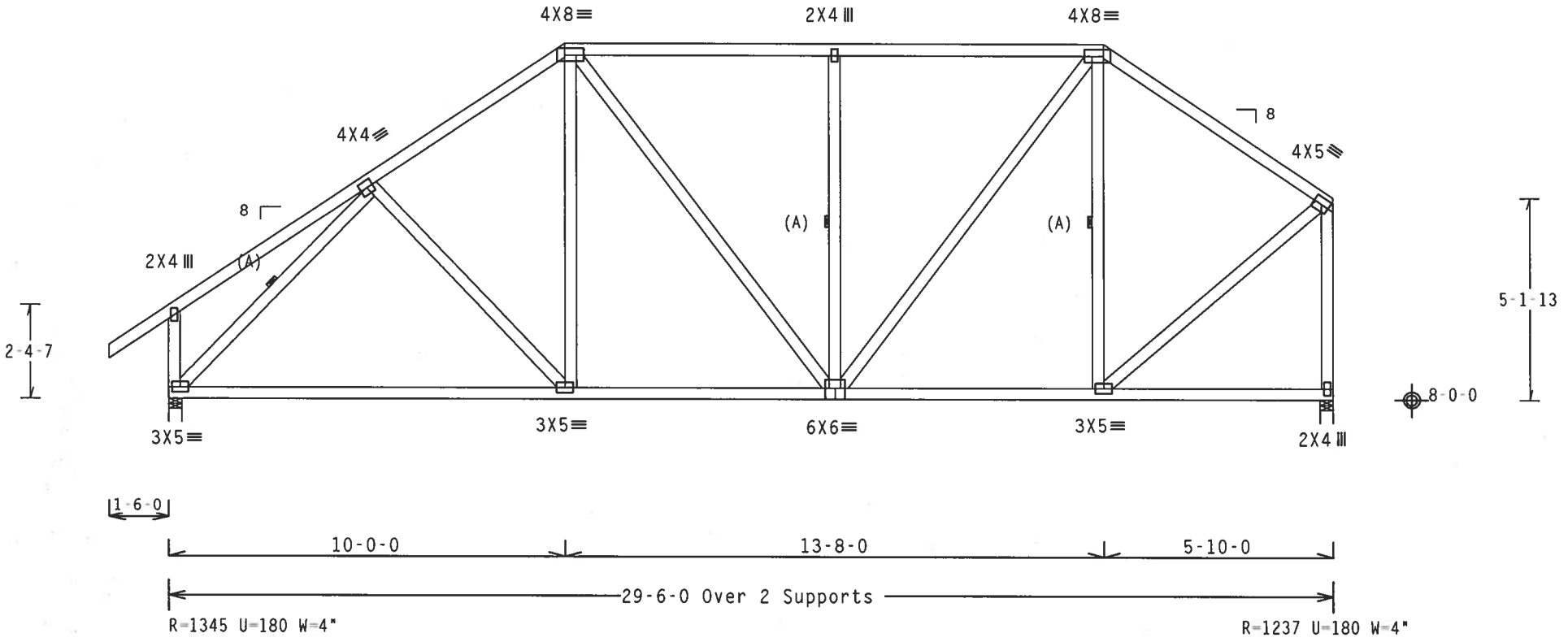
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

PLT TYP. Wave\R

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

QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE
Alpine Engineered Products, Inc.
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 30 06

TC LL	20.0 PSF	REF R215-- 53283
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089110
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 113996
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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.

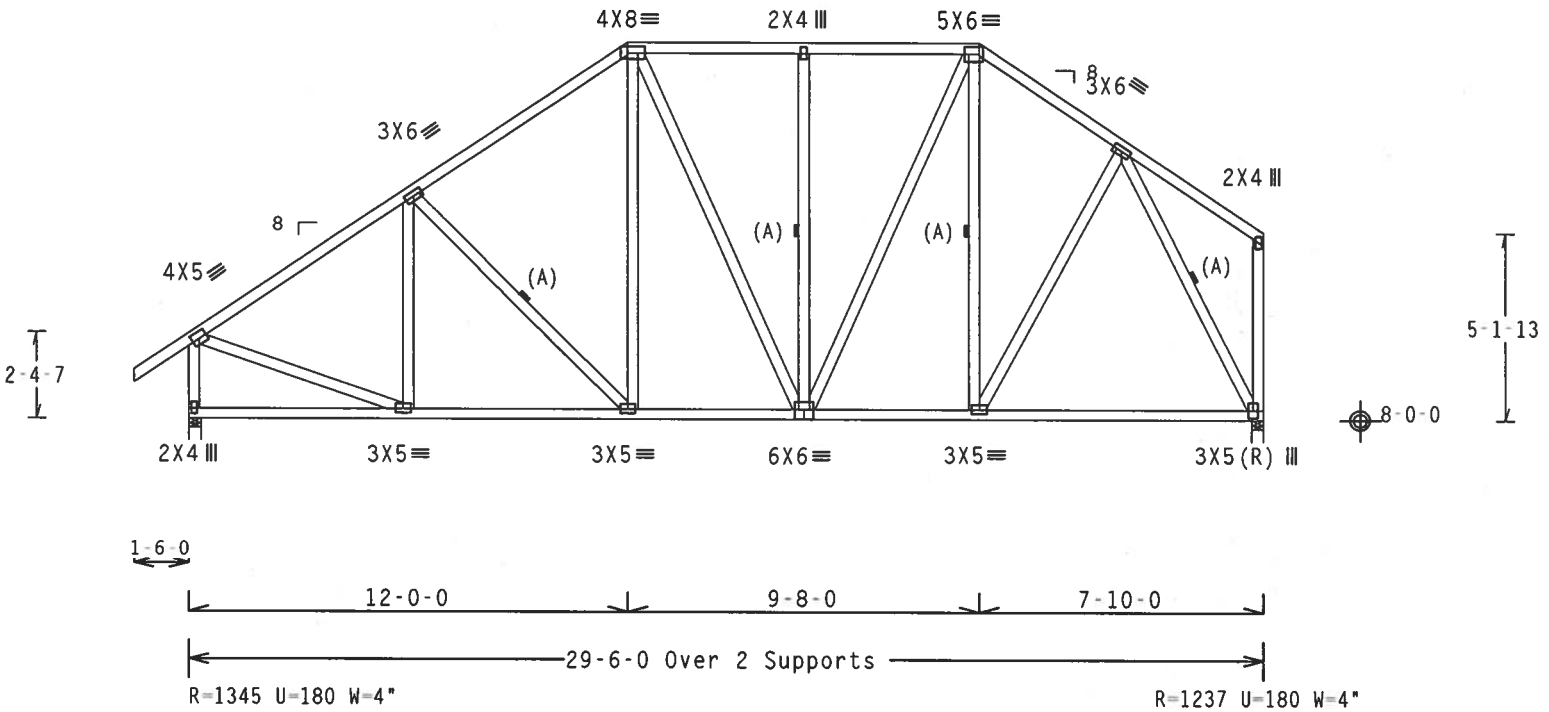
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 10-4-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
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JAMES F. COLLINS, JR. LICENSED No. 52210 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 30 06

TC LL	20.0 PSF	REF R215-- 53284
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089111
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 114000
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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.

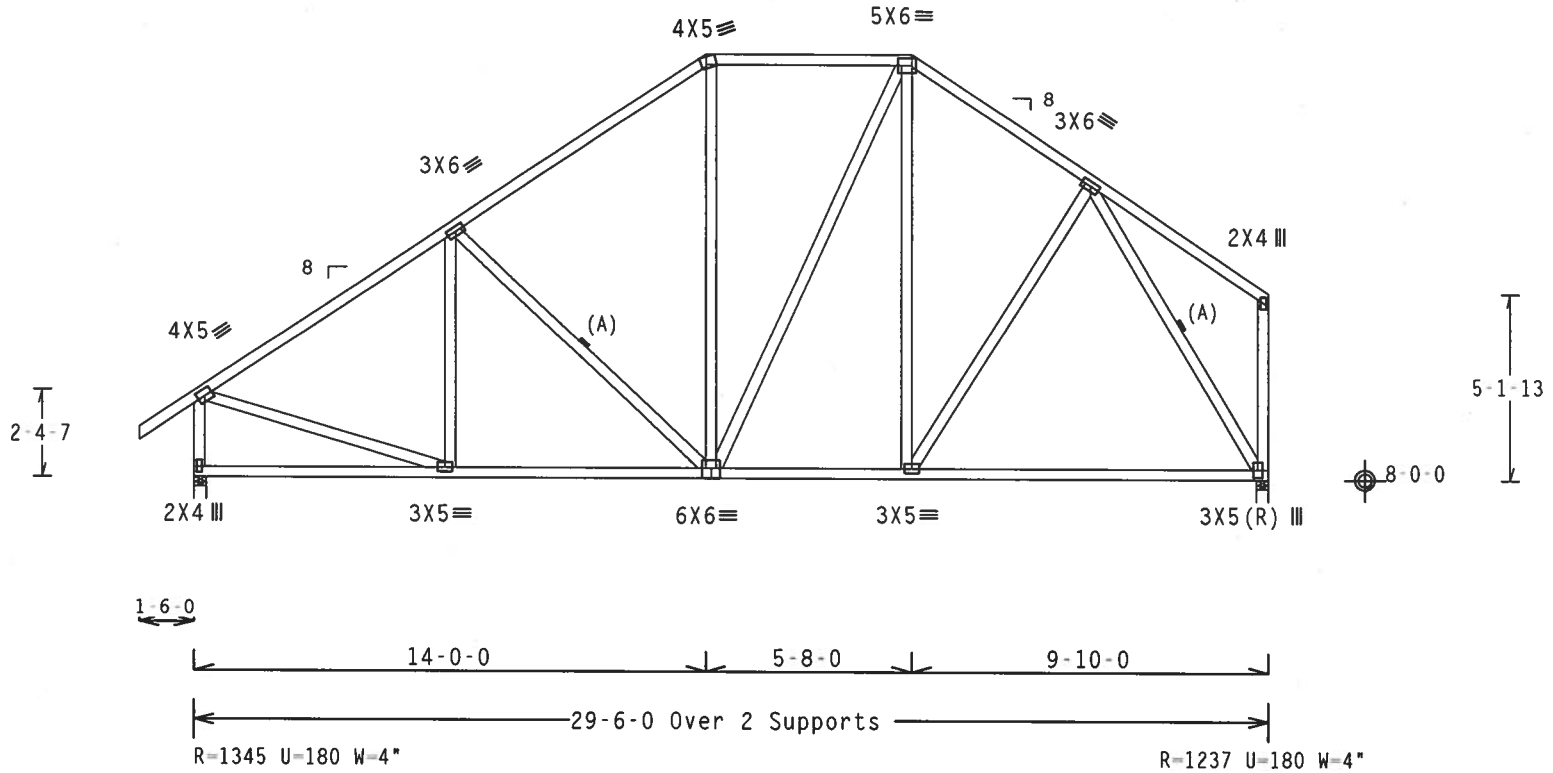
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 11-8-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

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

ALPINE

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

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

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

Mar 30 06

TC LL	20.0 PSF	REF	R215-- 53285
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089112
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	114004
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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.

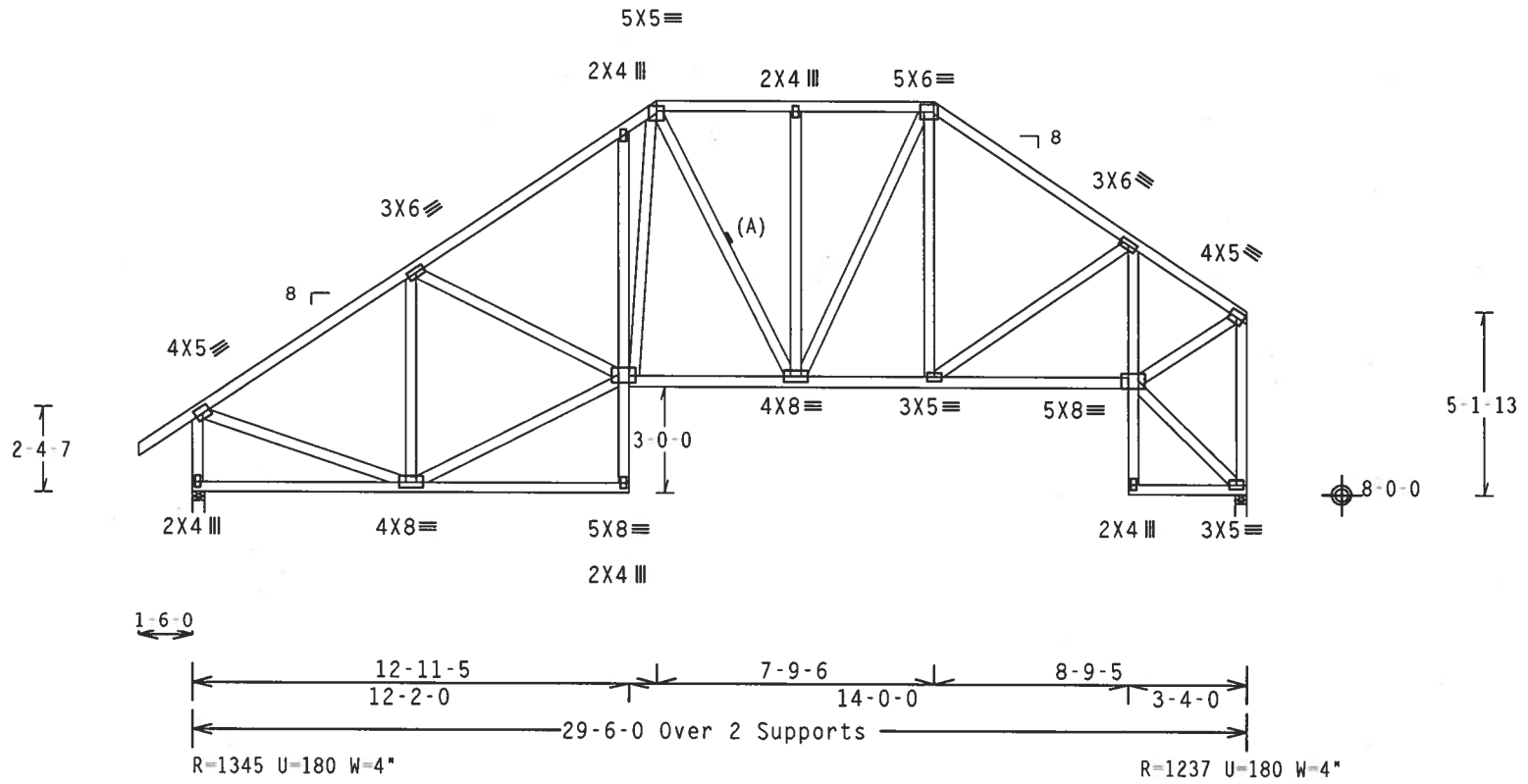
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 11-0-0.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 16 QTY 1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

Mar 30, 2006

TC LL	20.0 PSF	REF	R215-- 53286
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089113
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	114028
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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.

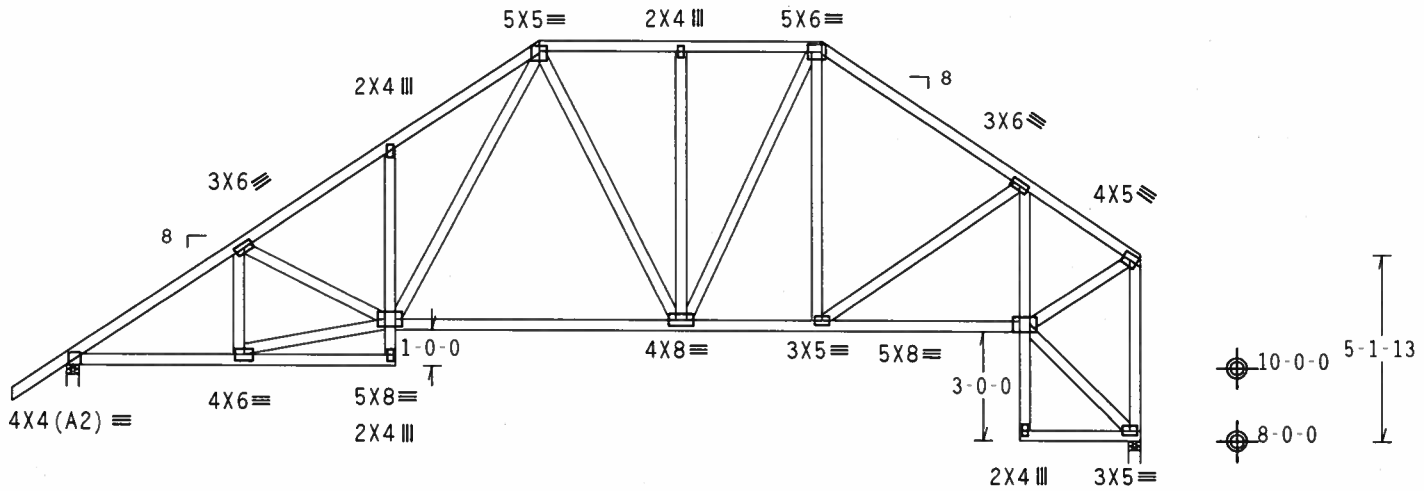
Deflection meets L/360 live and L/240 total load.

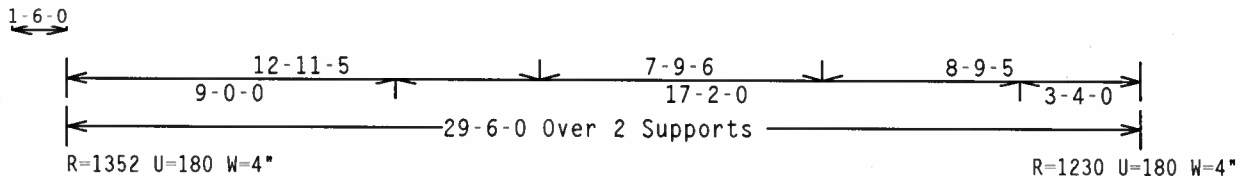
The overall height of this truss excluding overhang is 9-0-0.

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.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

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

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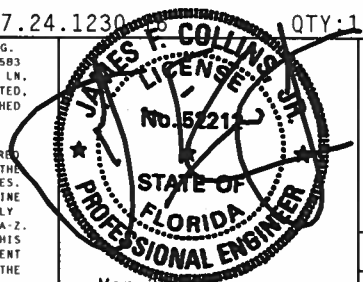


Mar 30 06

TC LL	20.0 PSF	REF	R215-- 53287
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089114
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	114031
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

(3339-/Lot 53 Callaway II /Chris Mills Homes -- LAKE CITY, FL - C9)

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

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.

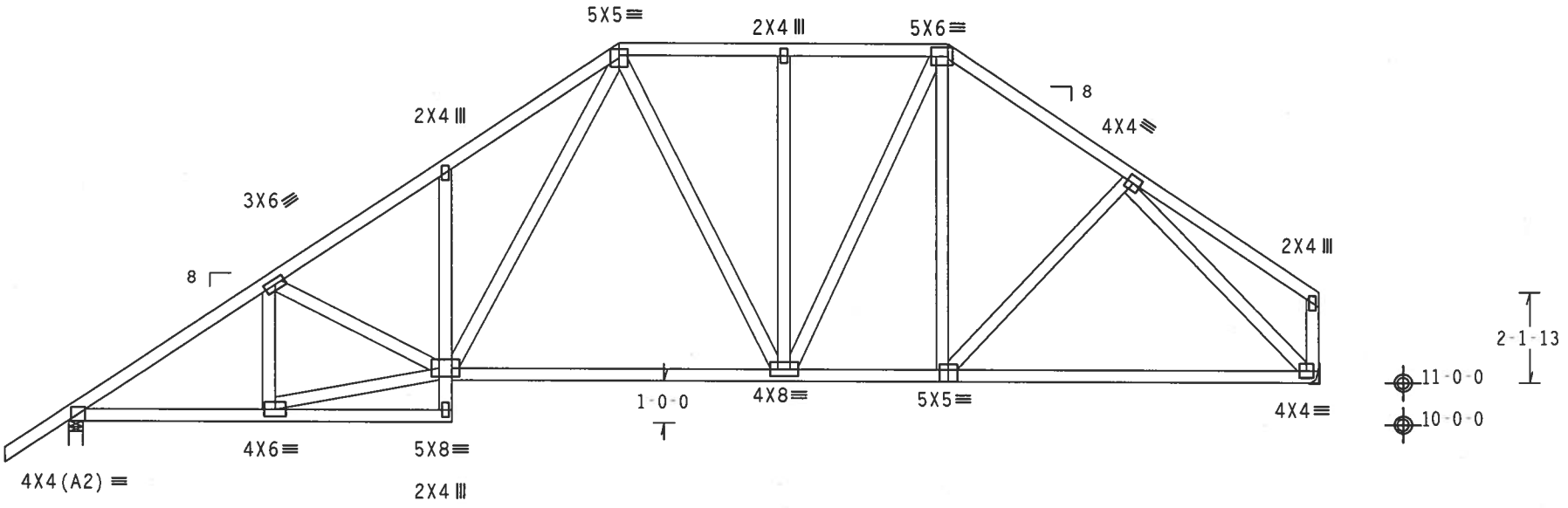
Deflection meets L/360 live and L/240 total load.

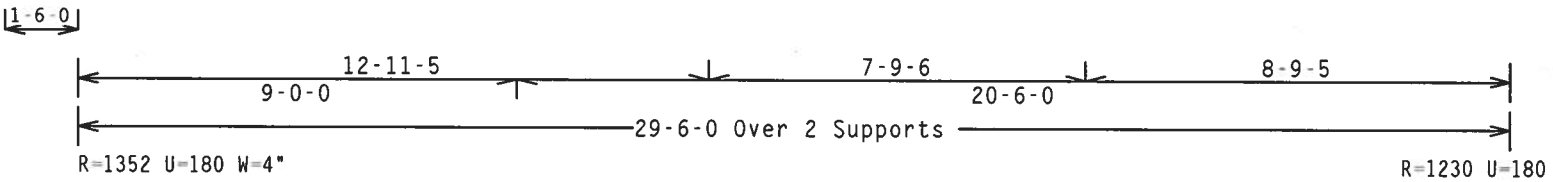
The overall height of this truss excluding overhang is 9-0-0.

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.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 [illegible] QTY:2 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

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

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

Mar 30 06

TC LL	20.0 PSF	REF	R215-- 53288
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089128
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	114036
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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.

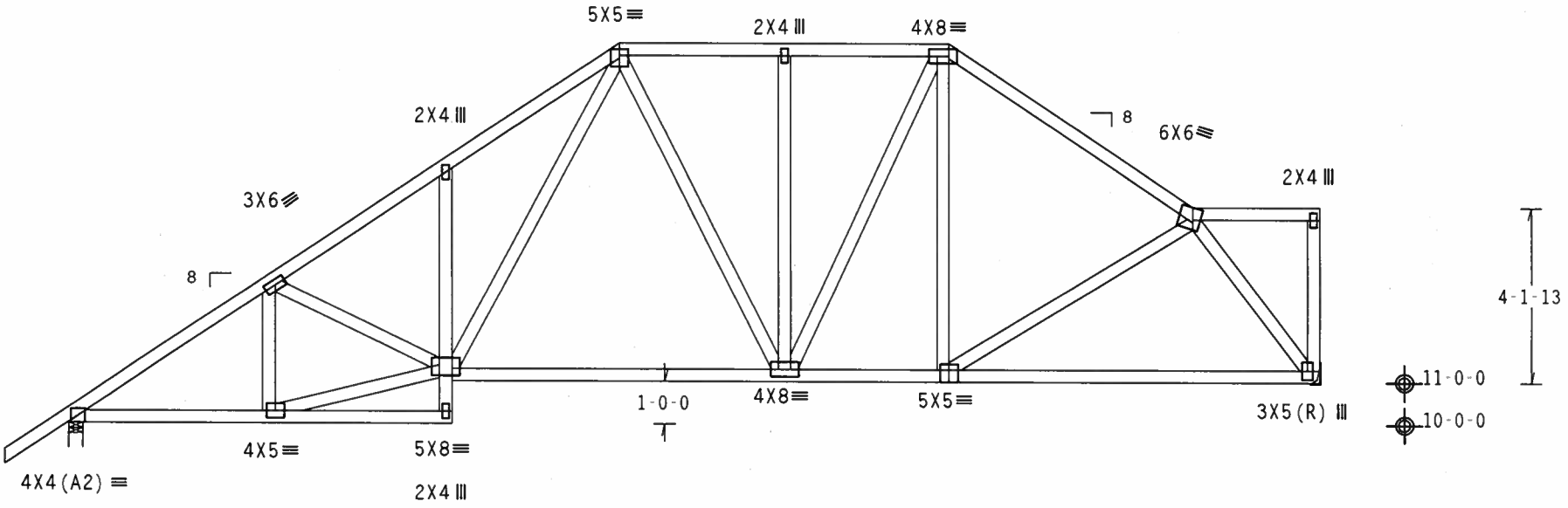
Deflection meets L/360 live and L/240 total load.

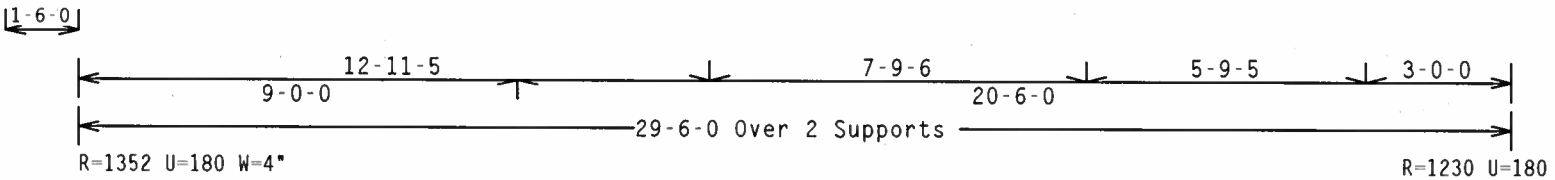
The overall height of this truss excluding overhang is 9-0-0.

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.

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





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

PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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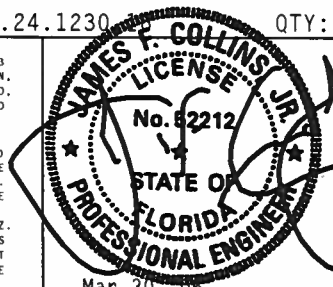


Mar 30 06

TC LL	20.0 PSF	REF R215-- 53289
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089129
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 114042
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

(3339-/Lot 53 Callaway II /Chris Mills Homes -- LAKE CITY, FL - C11)

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

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

(A) Continuous lateral bracing equally spaced on member.

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

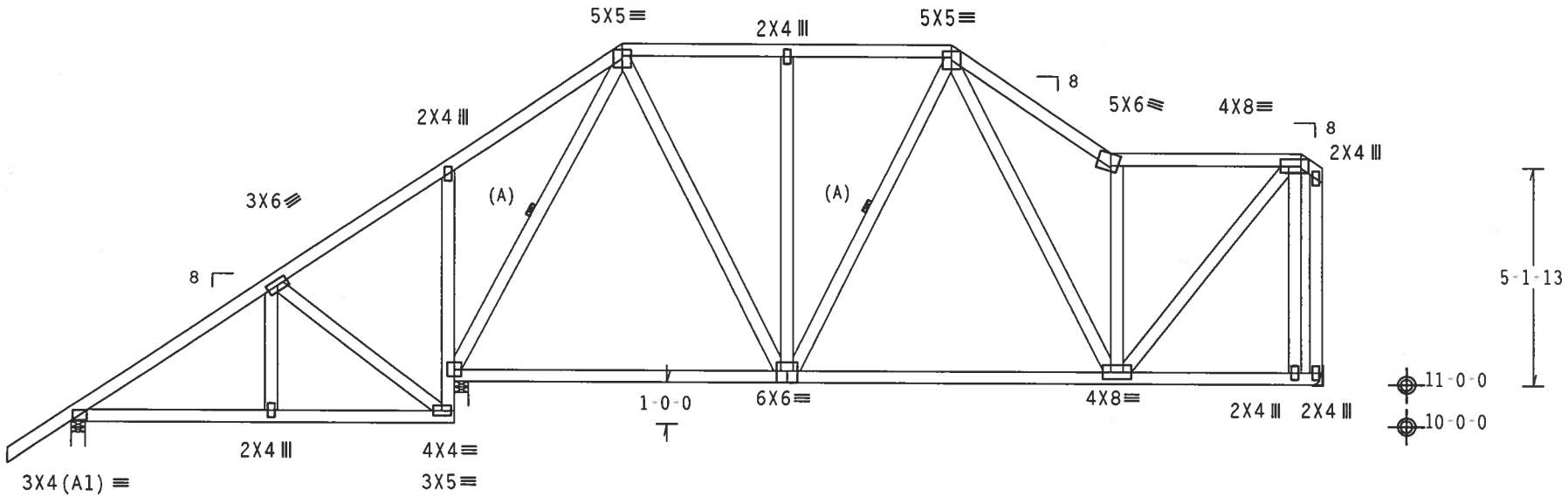
Plates sized for a minimum of 3.00 sq.in./piece.

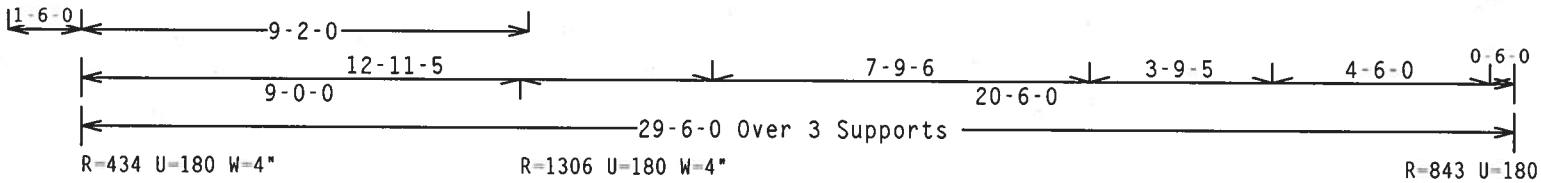
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 9-0-0.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

JAMES F. COLLINS, P.E. LICENSE No. 51212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 30 06

TC LL	20.0 PSF	REF R215-- 53290
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089130
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 114047
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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.

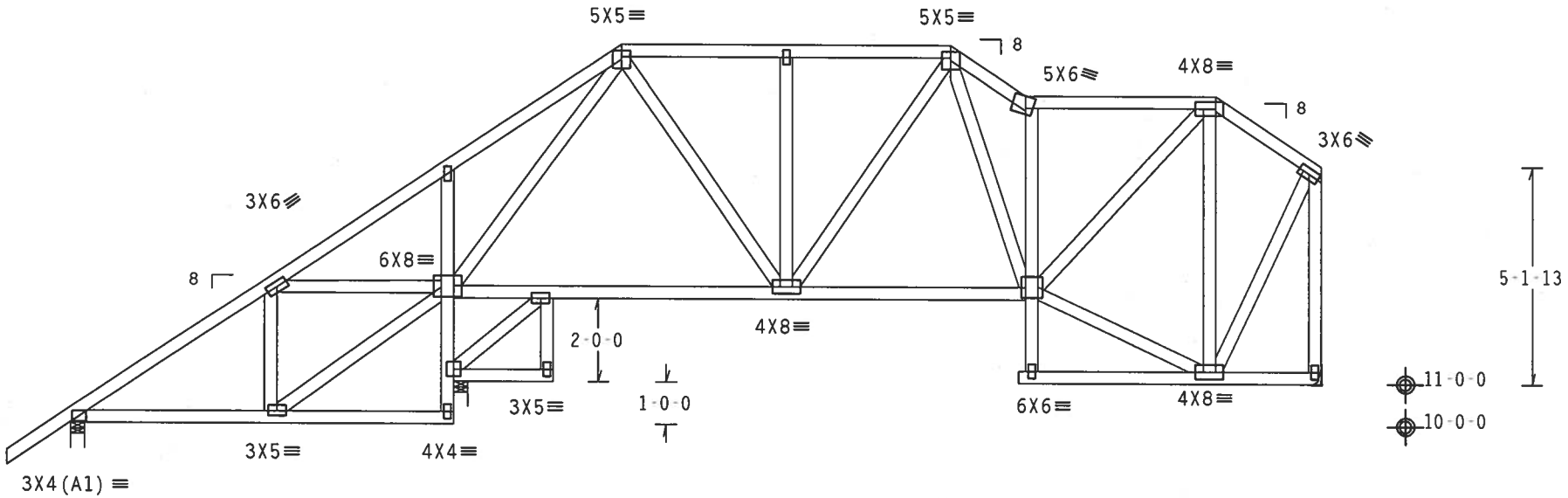
Deflection meets L/360 live and L/240 total load.

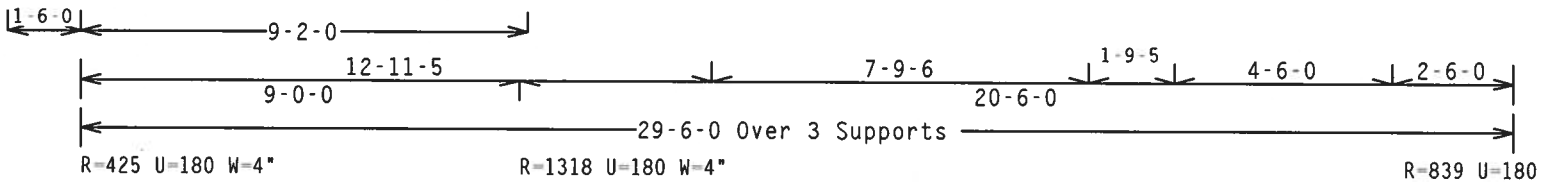
The overall height of this truss excluding overhang is 9-0-0.

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.

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





Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

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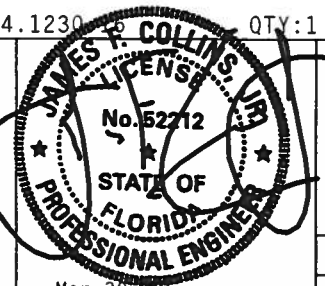


Mar 30 06

TC LL	20.0 PSF	REF R215-- 53291
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089135
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 114051
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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.

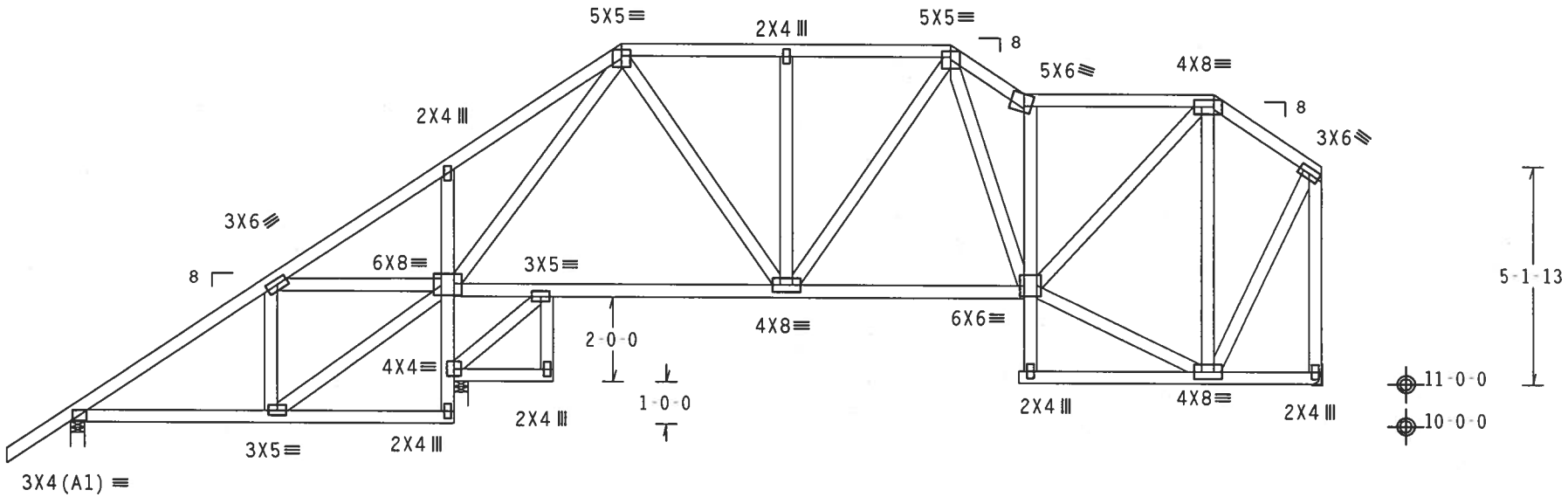
Deflection meets L/360 live and L/240 total load.

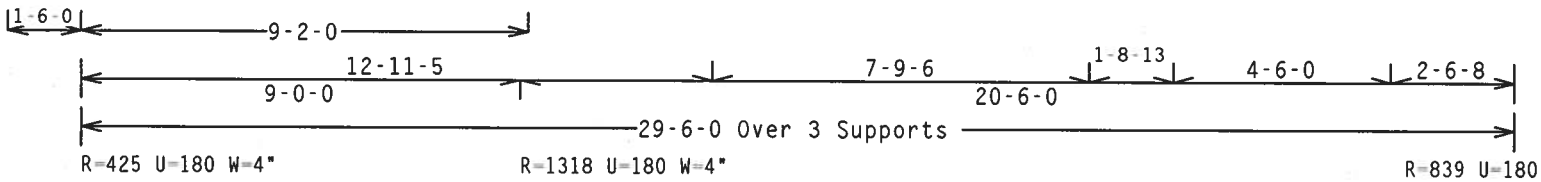
The overall height of this truss excluding overhang is 9-0-0.

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.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 16

QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

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

Mal

TC LL	20.0 PSF	REF	R215-- 53292
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089137
BC LL	0.0 PSF		HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN-	114055
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B4 2x6 SP SS:
Webs 2x4 SP #2 N :W20 2x6 SP #2 N:

Bearing blocks: Nail type: 10d_Box_or_Gun_(0.128"x3",_min.)_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
3	33.333'	1	12"	5	Match Truss

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

(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 9-0-0.

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

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

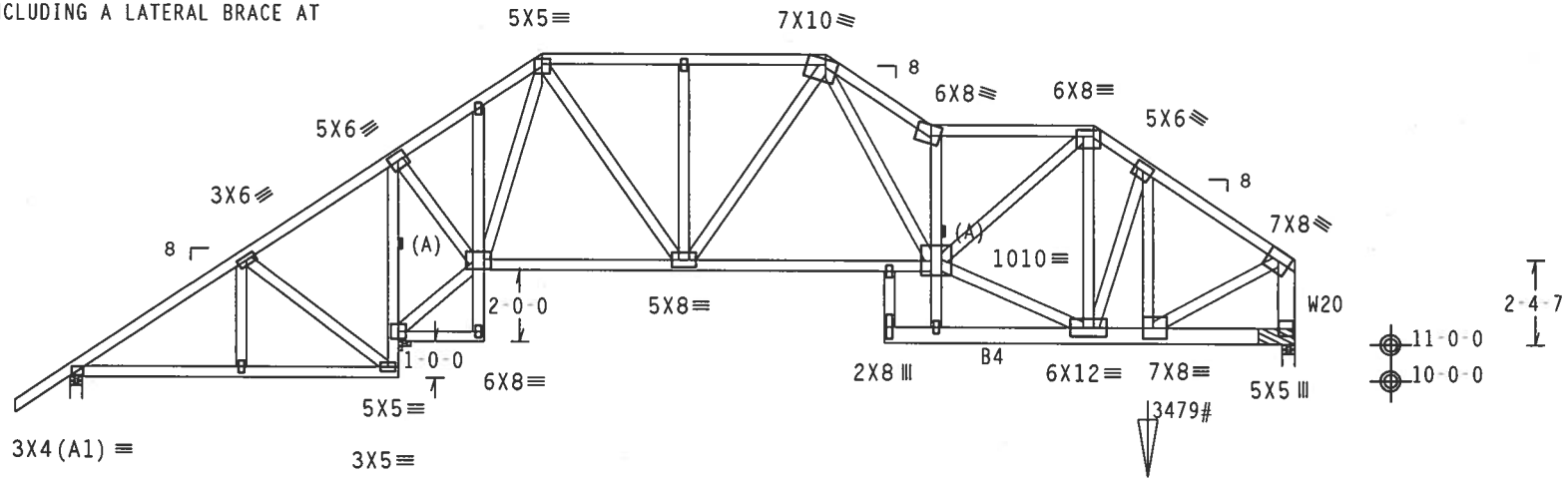
TC	From	64 PLF	at -1.50	to	64 PLF	at 33.67
BC	From	5 PLF	at -1.50	to	5 PLF	at 0.00
BC	From	20 PLF	at 0.00	to	20 PLF	at 9.00
BC	From	20 PLF	at 9.00	to	20 PLF	at 33.67

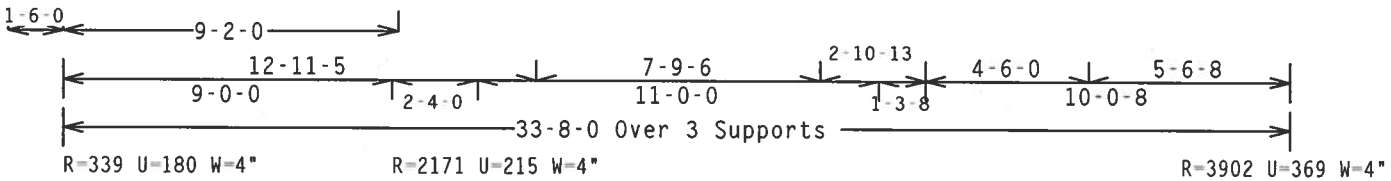
PLB- 3479 LB Conc. Load at (29.63,11.04)

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.

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





Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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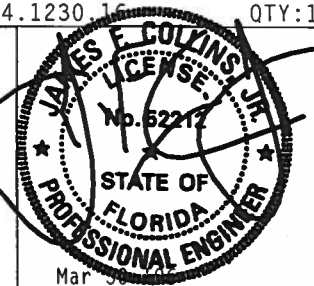


Mar 30

TC LL	20.0 PSF	REF	R215-- 53293
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089168
BC LL	0.0 PSF		HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN-	114068
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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

(A) Continuous lateral bracing equally spaced on member.

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

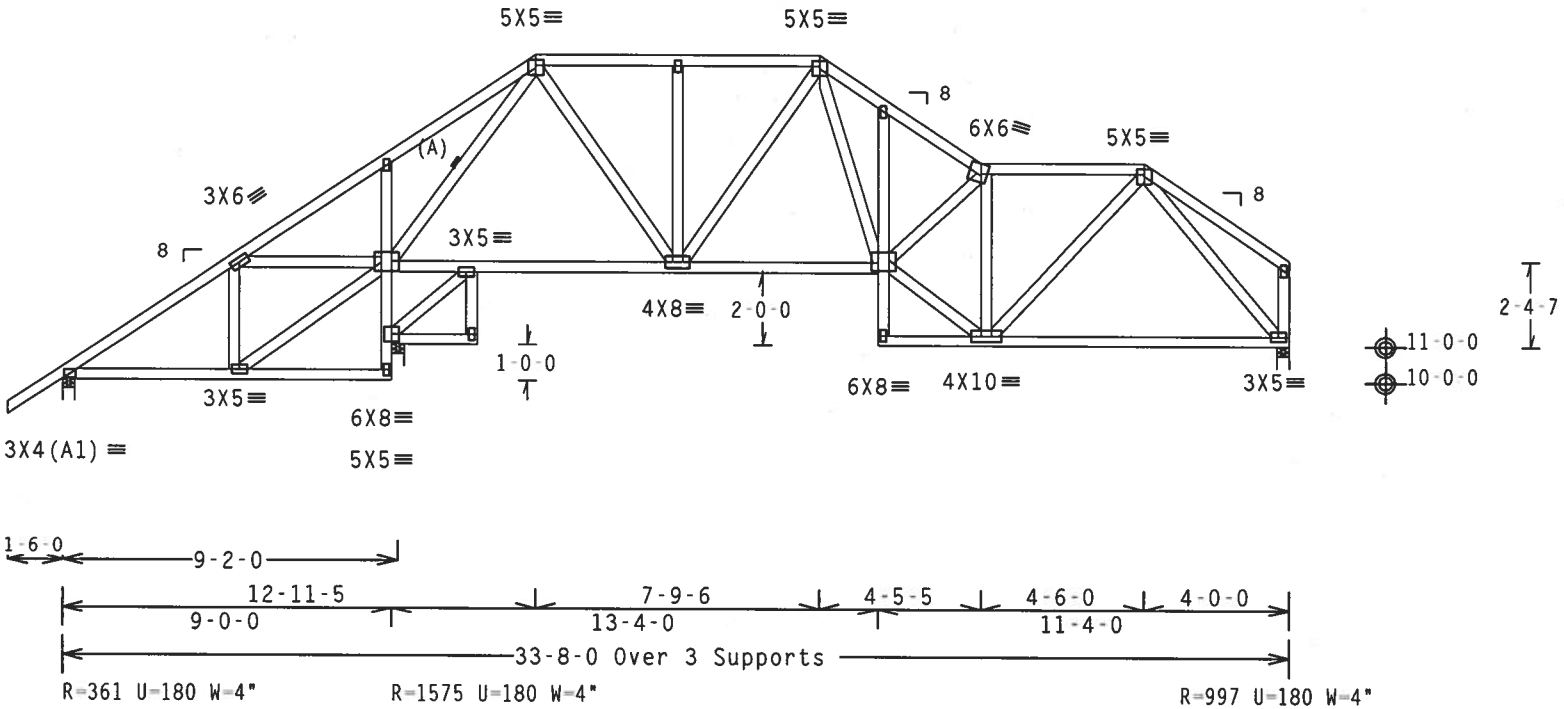
Plates sized for a minimum of 3.00 sq.in./piece.

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 9-0-0.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 16 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

Mar 30,2006

TC LL	20.0 PSF	REF	R215-- 53294
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089144
BC LL	0.0 PSF		HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN-	114024
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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

(A) Continuous lateral bracing equally spaced on member.

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

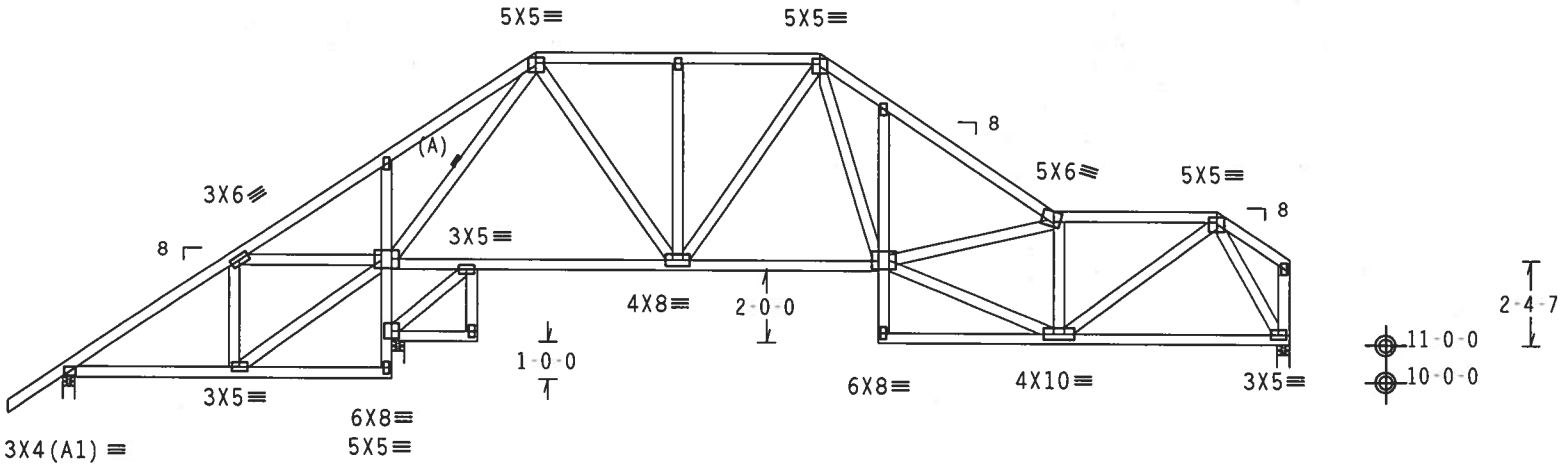
Plates sized for a minimum of 3.00 sq.in./piece.

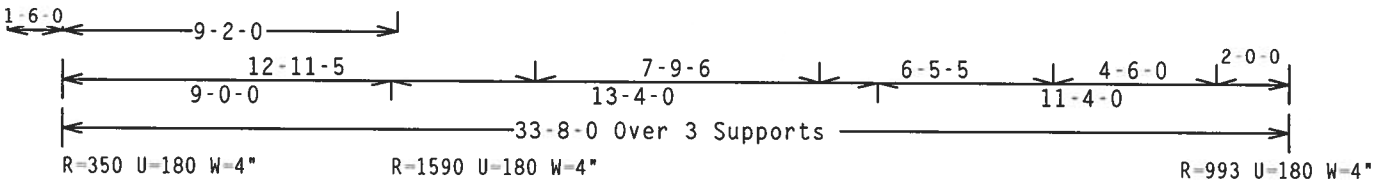
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 9-0-0.





Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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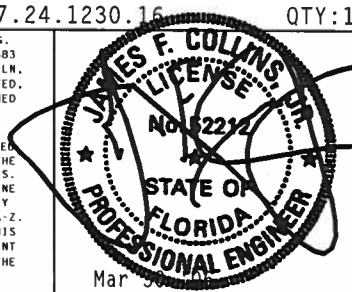


TC LL	20.0 PSF	REF R215-- 53295
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089145
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 114020
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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

(A) Continuous lateral bracing equally spaced on member.

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

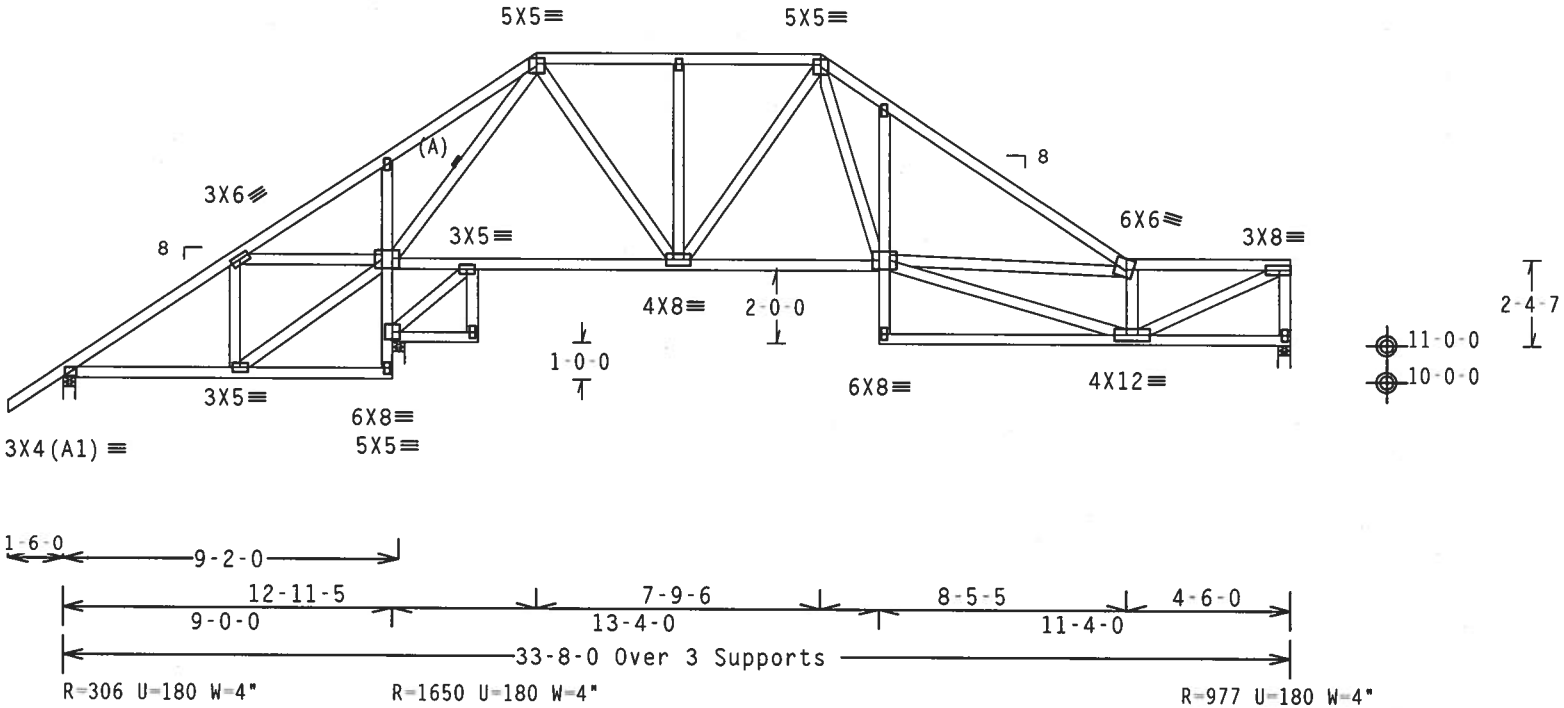
Plates sized for a minimum of 3.00 sq.in./piece.

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 9-0-0.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

Mar 30

TC LL	20.0 PSF	REF R215-- 53296
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089147
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 114017
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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

(A) Continuous lateral bracing equally spaced on member.

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

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

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.

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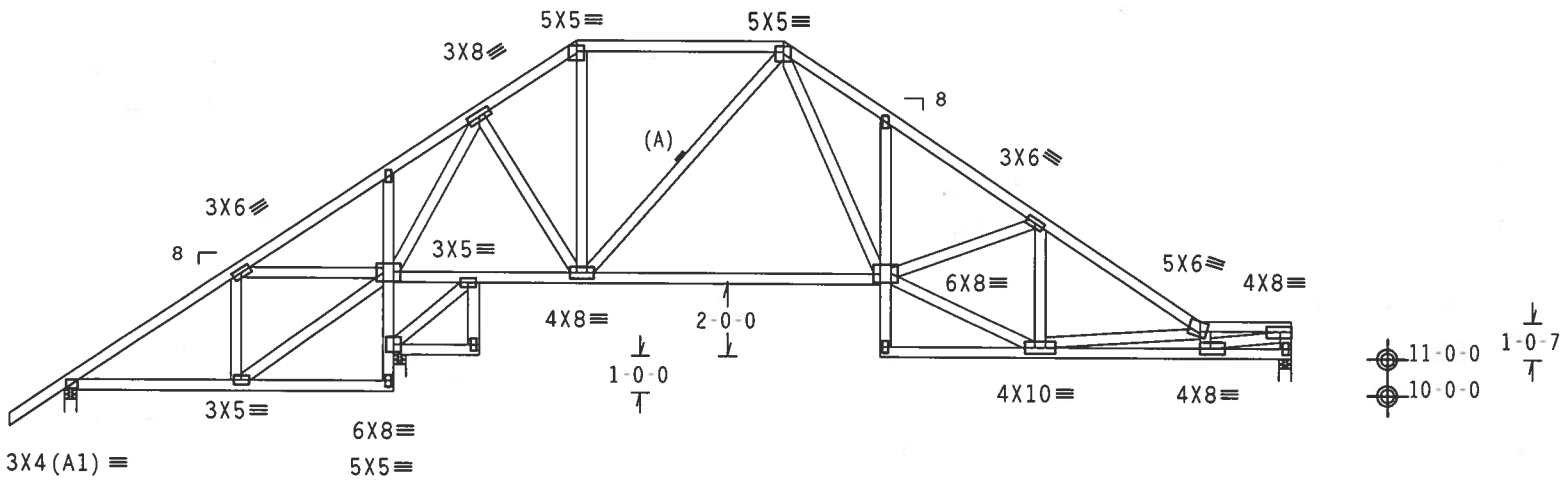

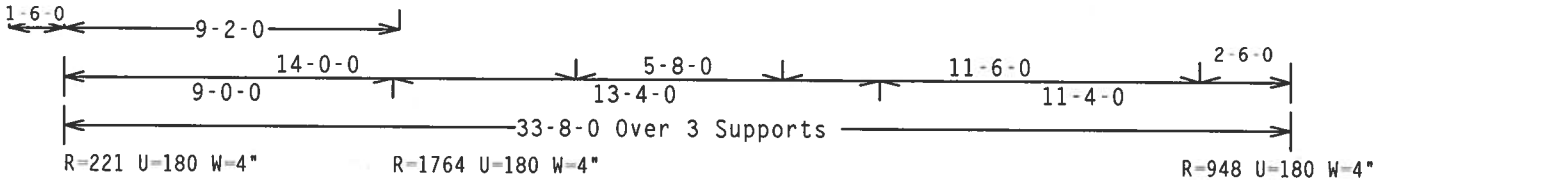

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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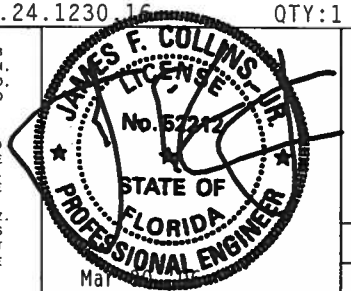


Mar

TC LL	20.0 PSF	REF	R215-- 53297
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089149
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	114008
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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

(A) Continuous lateral bracing equally spaced on member.

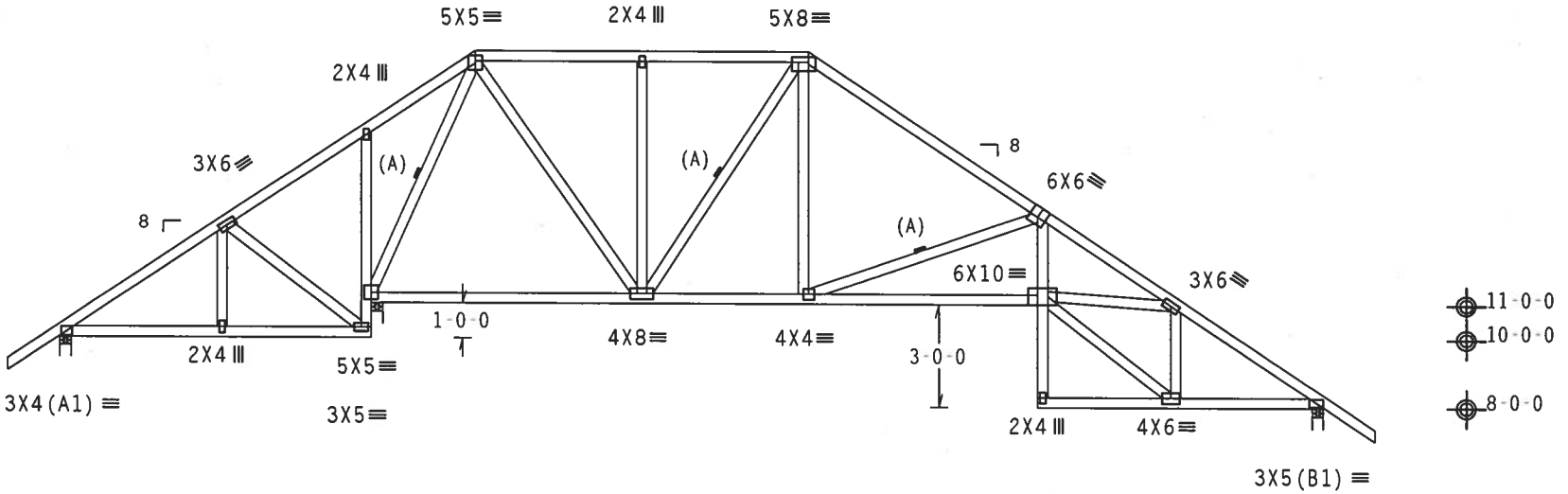
Deflection meets L/360 live and L/240 total load.

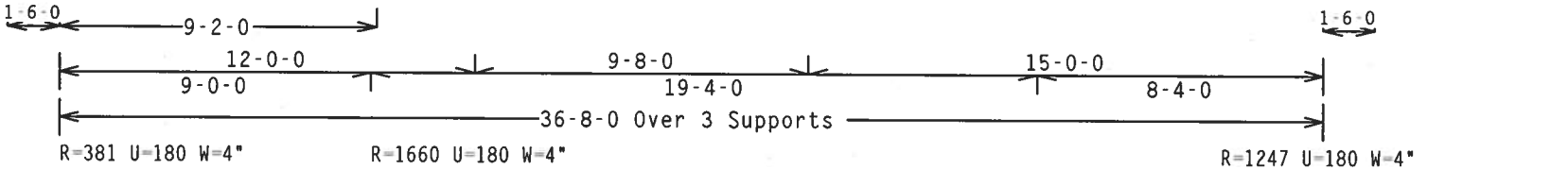
The overall height of this truss excluding overhang is 8-4-7.

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.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

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

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

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

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

Mar 30 '06

TC LL	20.0 PSF	REF R215-- 53298
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089151
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 113981
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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

(A) Continuous lateral bracing equally spaced on member.

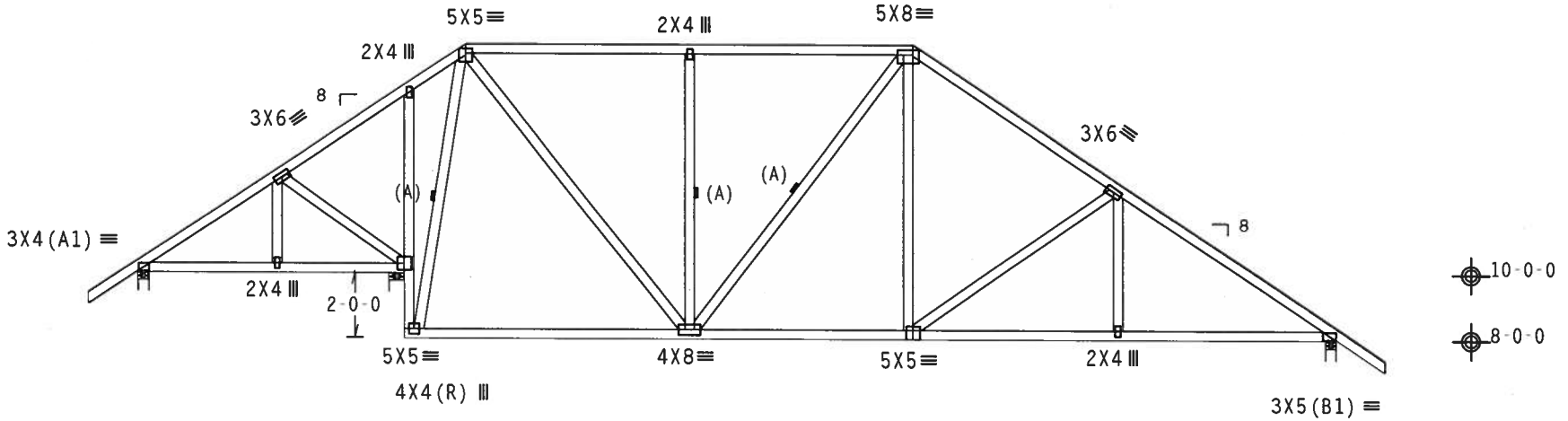
Deflection meets L/360 live and L/240 total load.

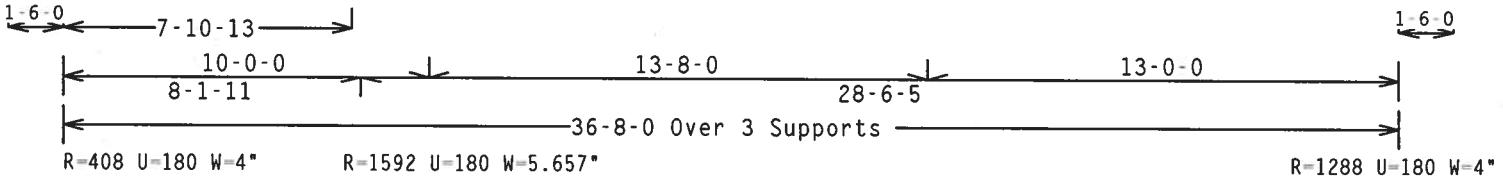
The overall height of this truss excluding overhang is 7-0-7.

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.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

ALPINE

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1950 Marley Drive
Haines City, FL 33844
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 30 06

TC LL	20.0 PSF	REF	R215-- 53299
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089153
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	113977
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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

(A) Continuous lateral bracing equally spaced on member.

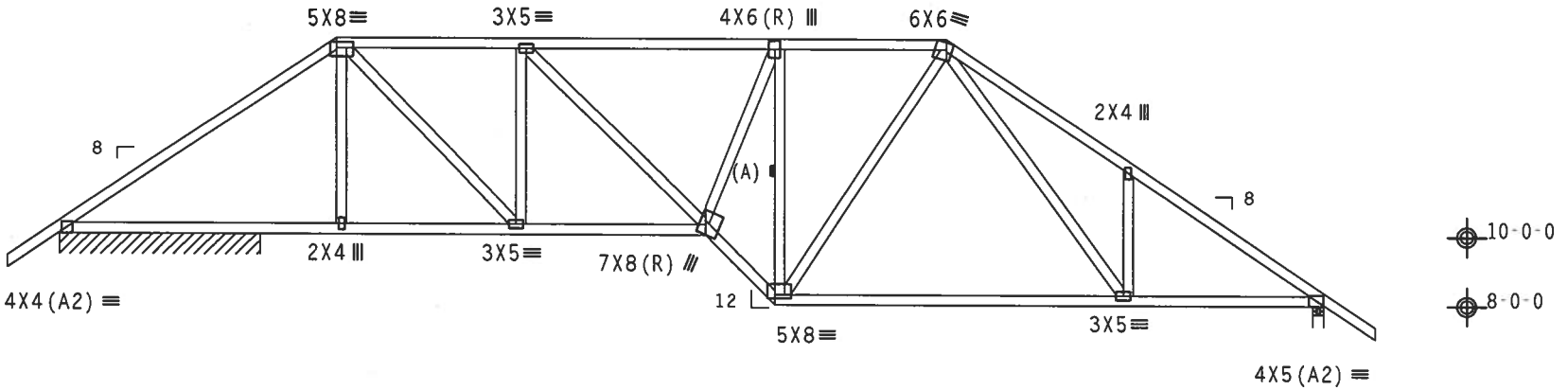
Deflection meets L/360 live and L/240 total load.

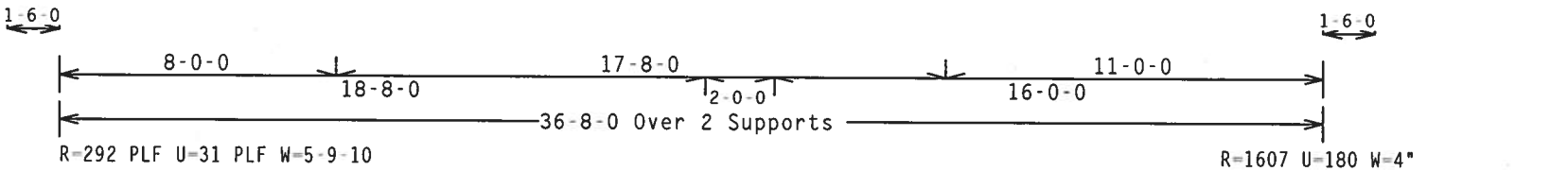
The overall height of this truss excluding overhang is 5-8-7.

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.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 30 '06

TC LL	20.0 PSF	REF	R215-- 53300
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089154
BC LL	0.0 PSF		HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN-	113969
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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.

(A) Continuous lateral bracing equally spaced on member.

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

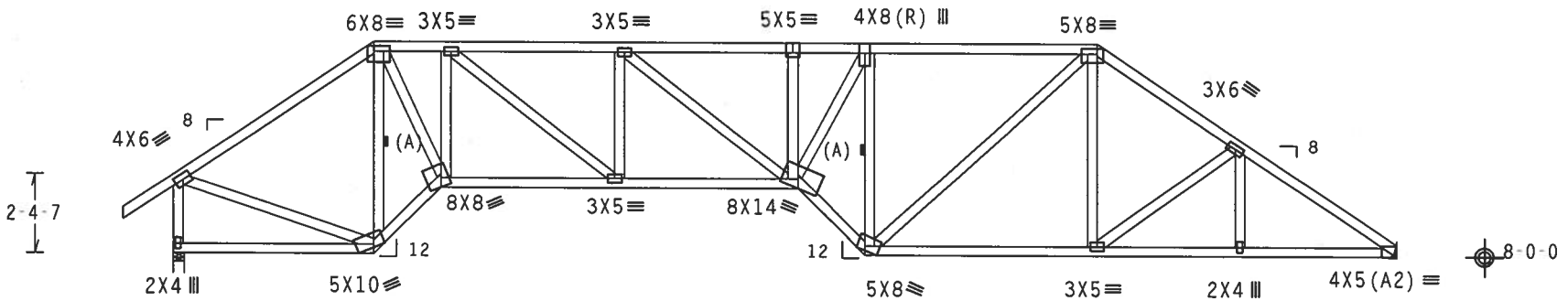
The overall height of this truss excluding overhang is 6-4-7.

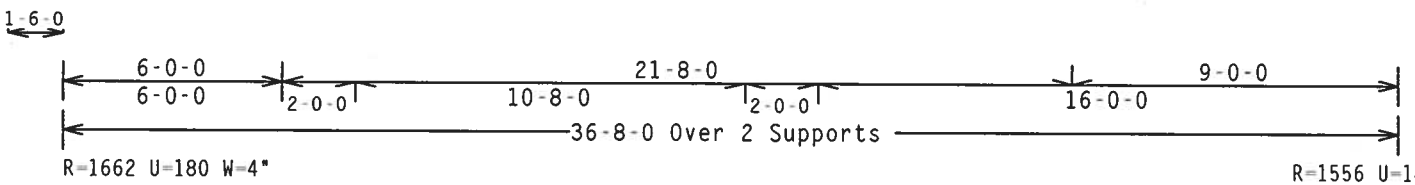
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.13" due to live load and 0.15" due to dead load.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY-1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 30,06

TC LL	20.0 PSF	REF R215-- 53301
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089155
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 113965
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

Top chord 2x4 SP #2 N :T2, T3 2x6 SP #2 N:
Bot chord 2x6 SP #2 N :B3, B4 2x6 SP SS:
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.

Left end vertical not exposed to wind pressure.

#1 hip supports 4-0-0 jacks at left end and 7-0-0 jacks at right end. Jacks have 2 panel TC and no end vertical.

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

2 COMPLETE TRUSSES REQUIRED

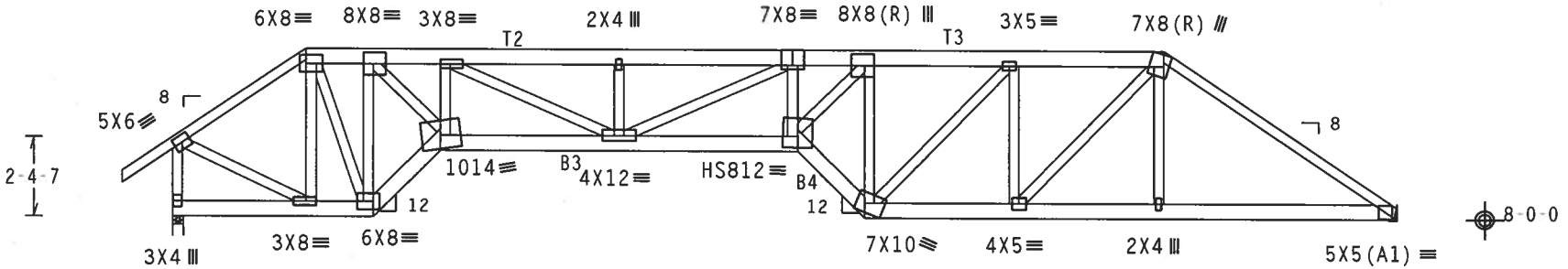
Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

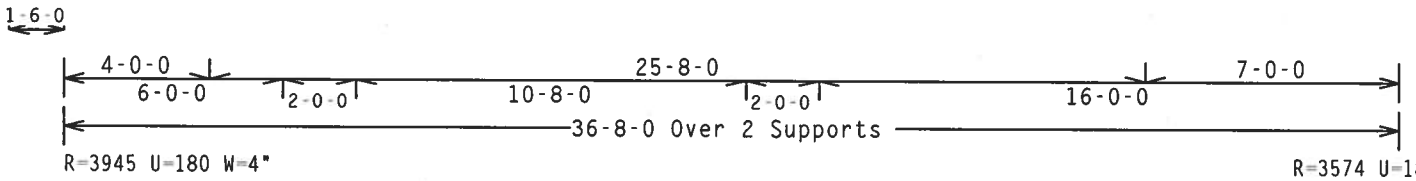
Calculated horizontal deflection is 0.15" due to live load and 0.22" due to dead load.

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.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 07:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

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

Mar

TC LL	20.0 PSF	REF R215-- 53302
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089158
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 113960 REV
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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

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

#1 hip supports 5-0-0 jacks W/2 panel TC and no end vert.

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

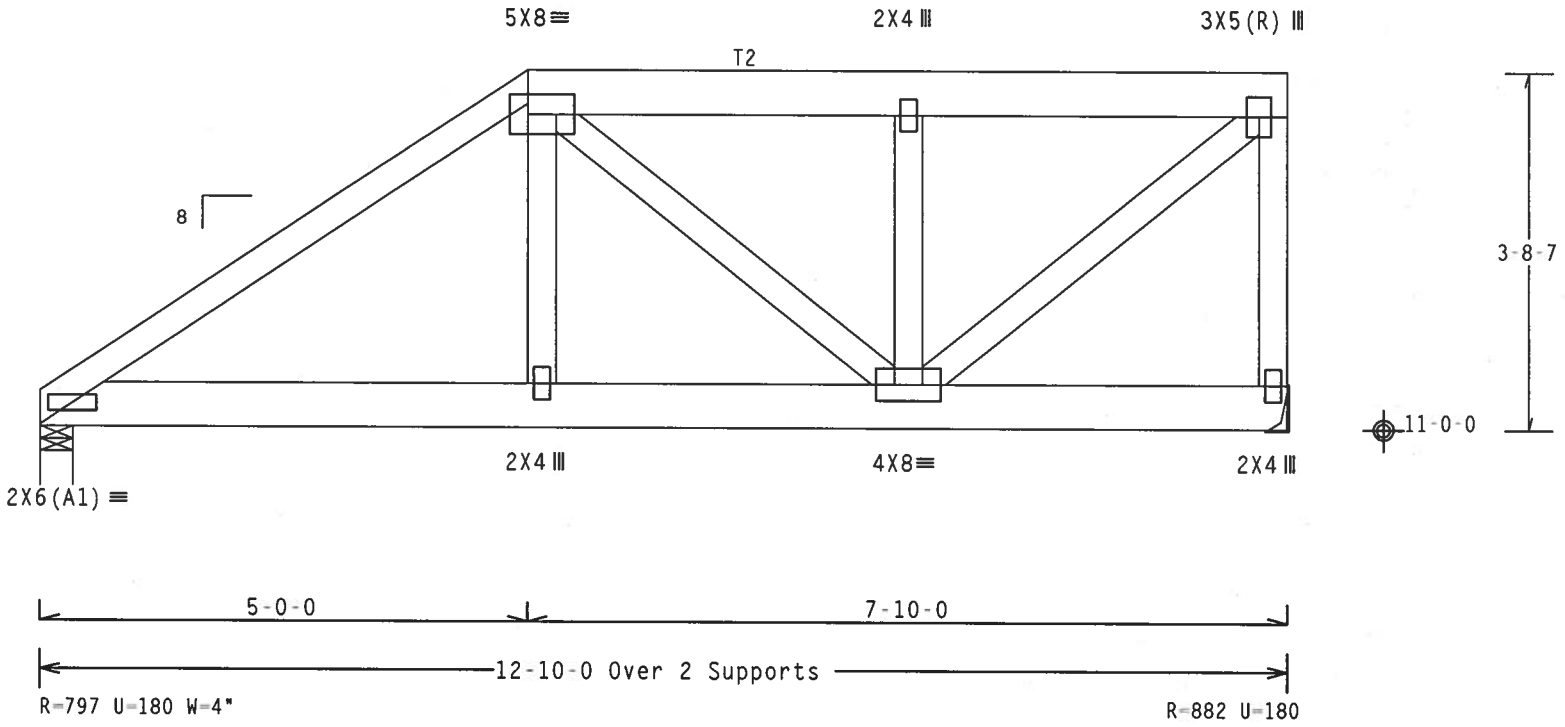
Plates sized for a minimum of 3.00 sq.in./piece.

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

Right end vertical not exposed to wind pressure.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

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

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

Mar 30 06

TC LL	20.0 PSF	REF R215-- 53303
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089159
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 113917
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x6 SP SS
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 12.83
BC - From 20 PLF at 0.00 to 20 PLF at 12.83
BC - 1230 LB Conc. Load at 1.73, 3.73, 5.73
BC - 843 LB Conc. Load at 7.73
BC - 839 LB Conc. Load at 9.73, 11.73

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 4-11-13.

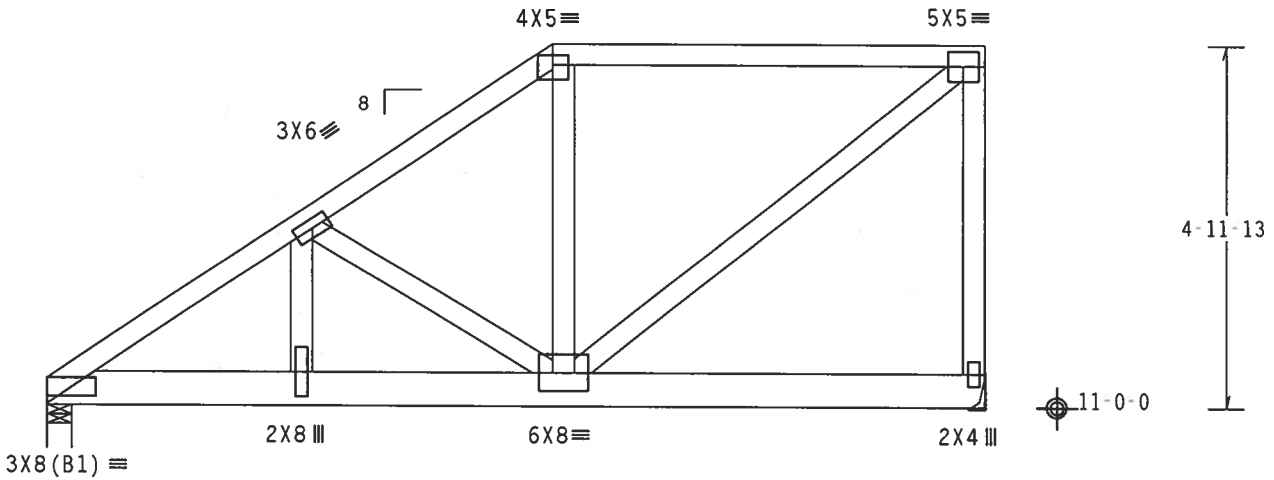
2 COMPLETE TRUSSES REQUIRED

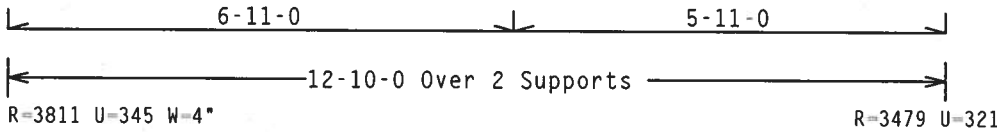
Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 6.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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FL Certificate of Authorization # 567

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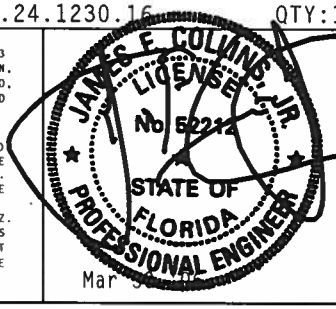


Mar 3

TC LL	20.0 PSF	REF	R215-- 53304
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089167
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	114063
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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.

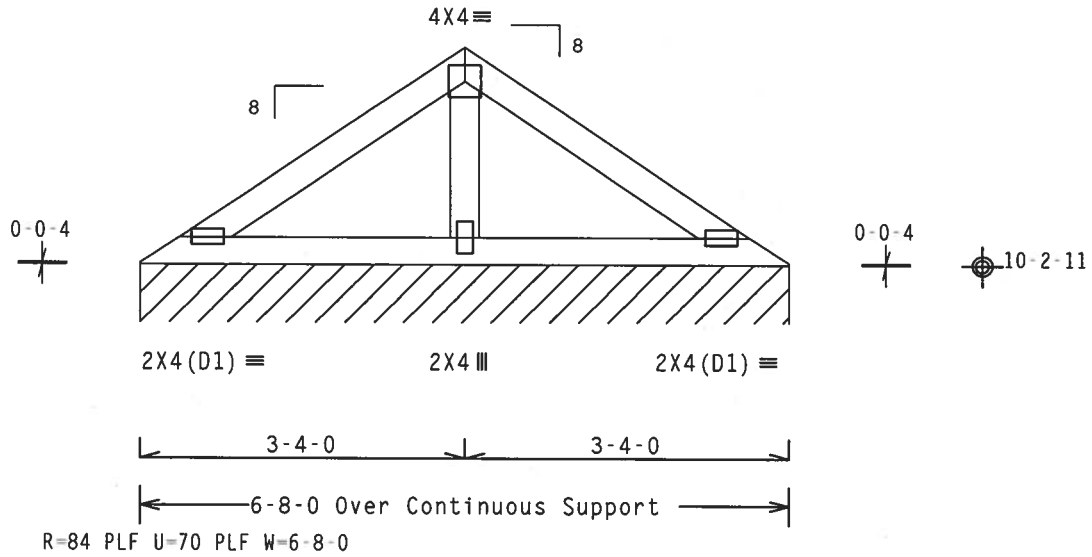
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

The overall height of this truss excluding overhang is 2-2-14.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

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

ALPINE

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

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

Mar 30 06

TC LL	20.0 PSF	REF R215-- 53305
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089160
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 113856
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

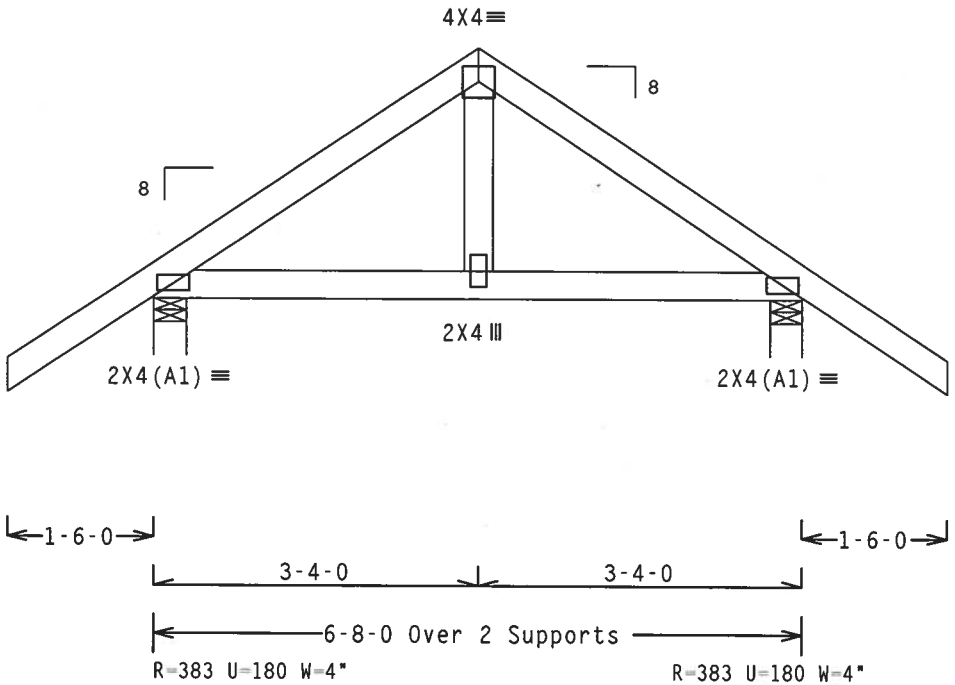
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

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

ALPINE

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

Mar 30 '06

TC LL	20.0 PSF	REF R215-- 53306
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089115
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 113859
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B2 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 -1.50 to 64 PLF at 8.17
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 6.67
BC - From 5 PLF at 6.67 to 5 PLF at 8.17
PLB- 1556 LB Conc. Load at (0.94,8.04)
PLB- 3574 LB Conc. Load at (2.88,8.04)
PLB- 215 LB Conc. Load at (4.91,8.04)

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

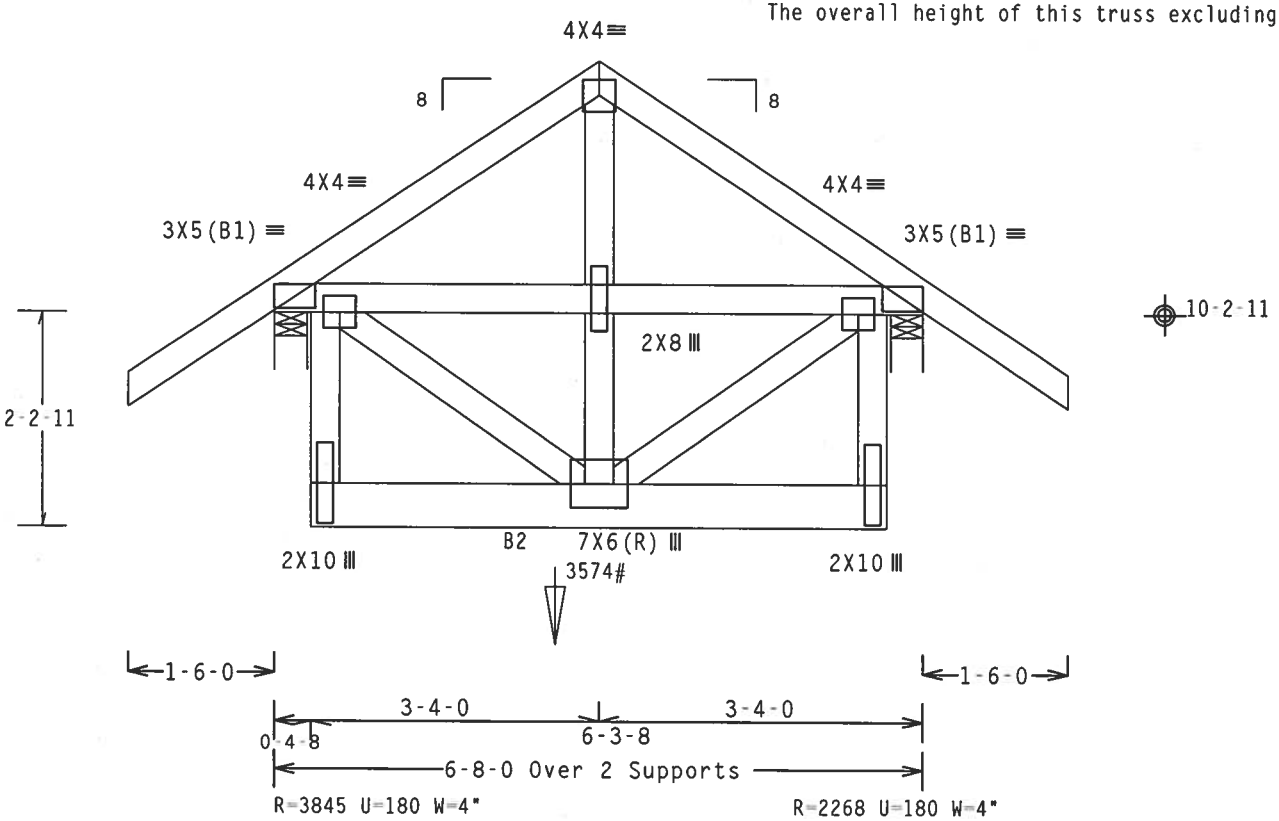
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 1.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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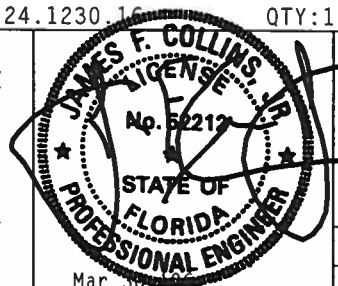


Mar 30

TC LL	20.0 PSF	REF R215-- 53307
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089169
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 113972
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

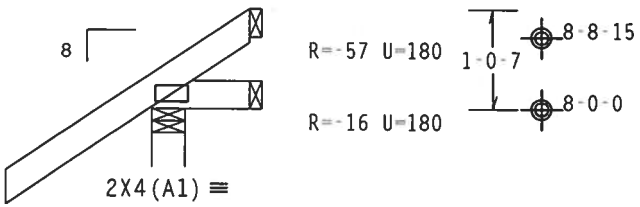
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

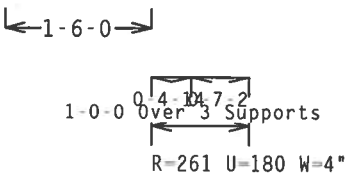
Deflection meets L/360 live and L/240 total load.

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

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 16

QTY:8 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE

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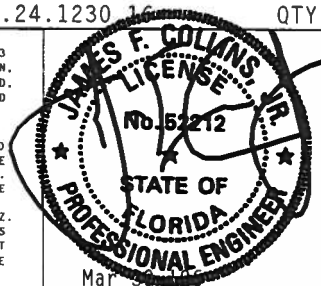


Mar 30, 2006

TC LL	20.0 PSF	REF	R215-- 53308
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089161
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	113873
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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

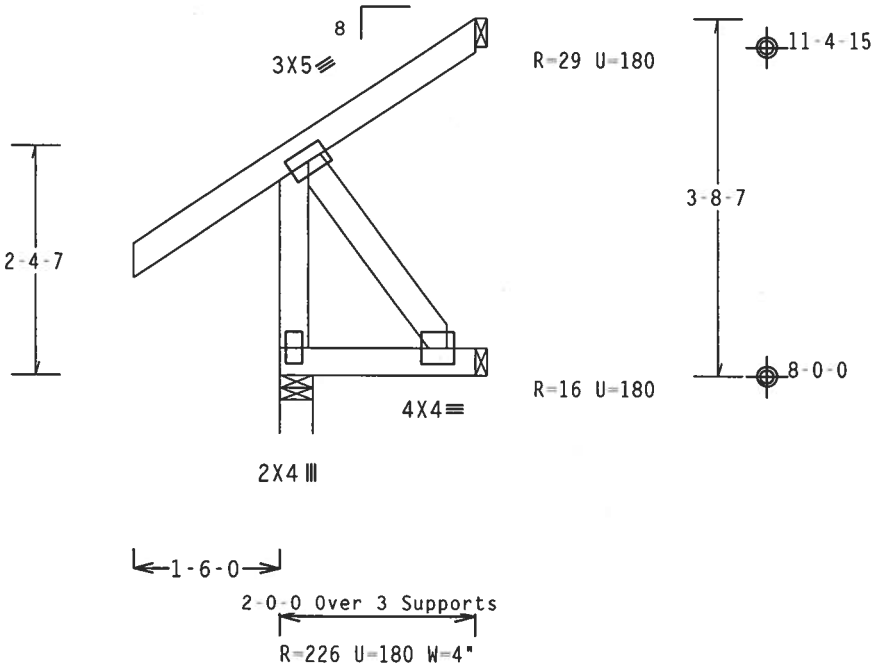
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.10 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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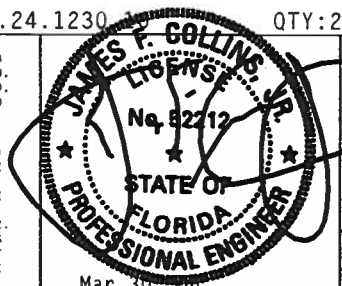


TC LL	20.0 PSF	REF	R215-- 53309
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089116
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	113903
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

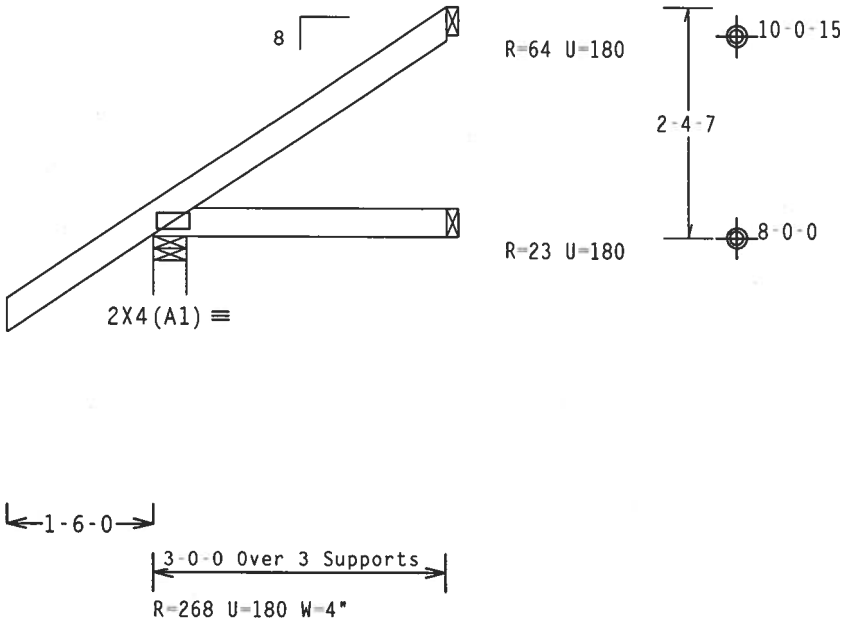
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 2-4-7.

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

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:8 FL/-/5/-/-/R/- Scale =.5"/Ft.

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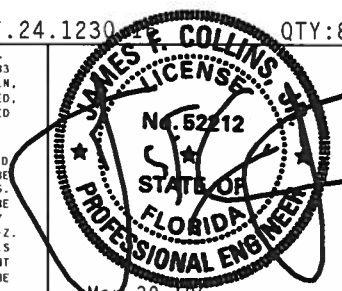


TC LL	20.0 PSF	REF R215-- 53310
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089117
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 113878
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

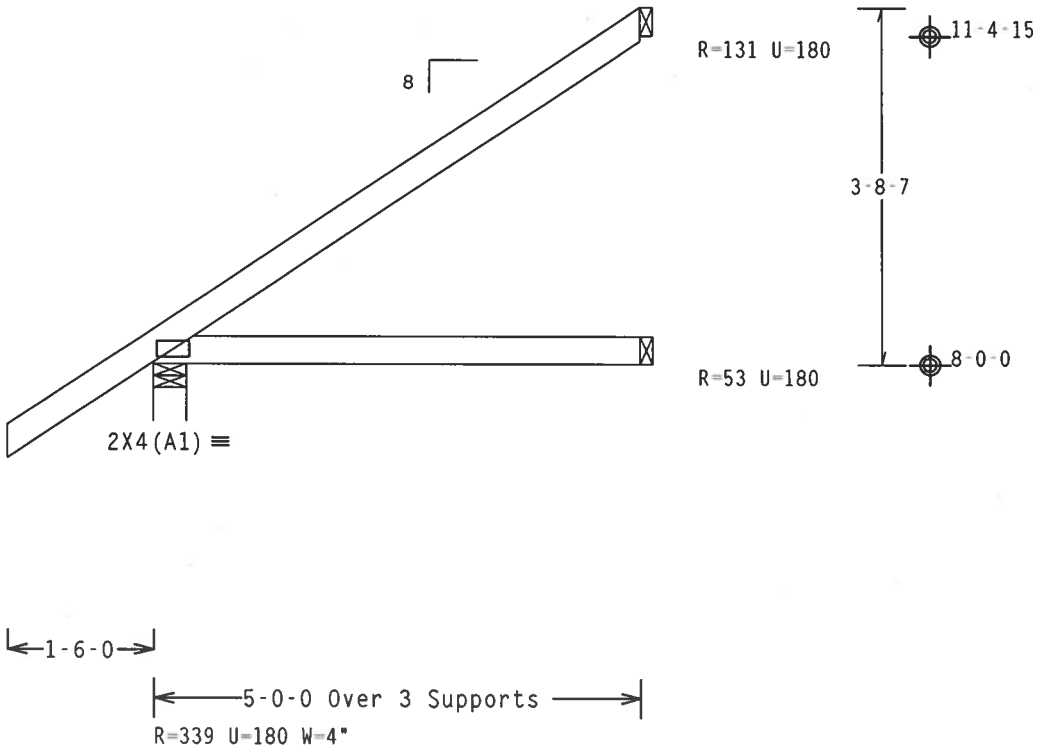
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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.



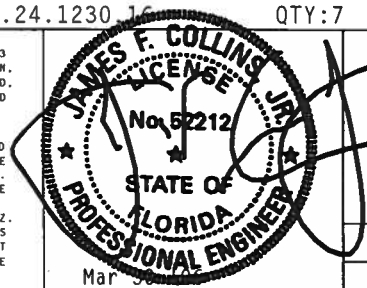
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.16

PLT TYP. Wave\R QTY:7 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

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



Mar

TC LL	20.0 PSF	REF R215-- 53311
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089118
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 113881
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

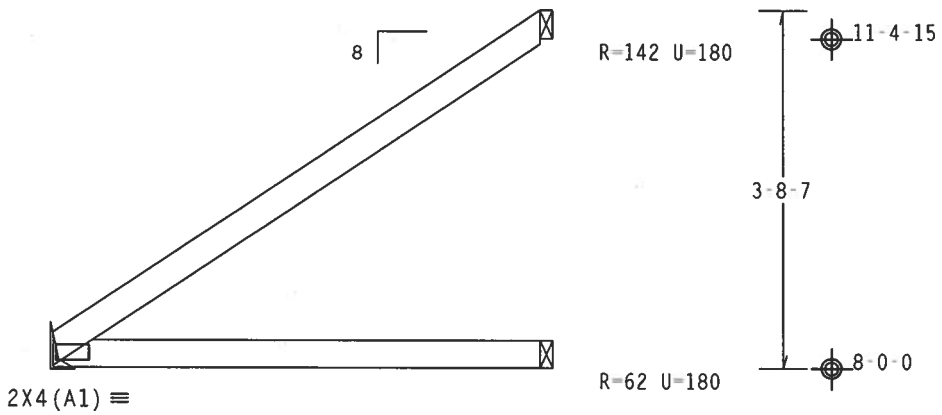
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

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

ALPINE

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

Mar 30 '06

TC LL	20.0 PSF	REF	R215-- 53312
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089119
BC LL	0.0 PSF		HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	113898
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

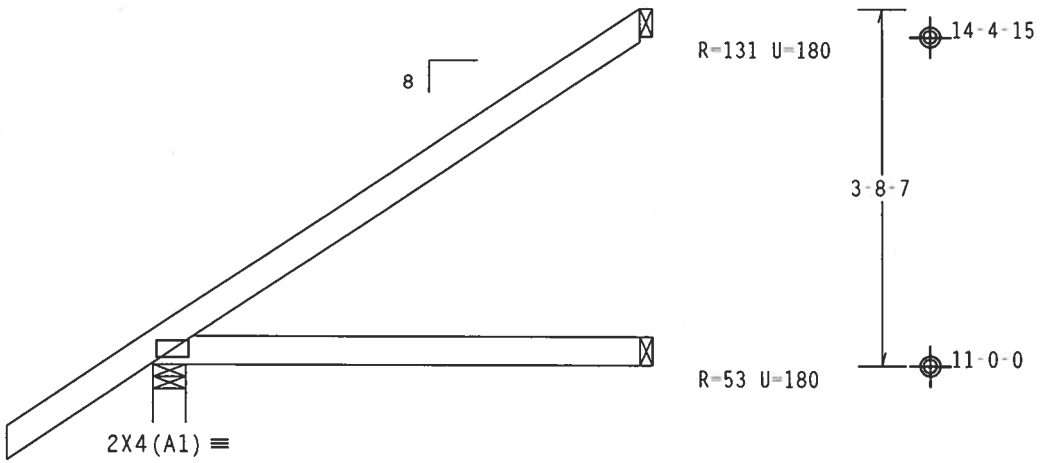
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

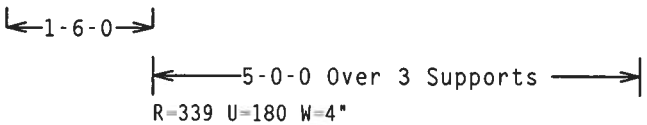
Deflection meets L/360 live and L/240 total load.

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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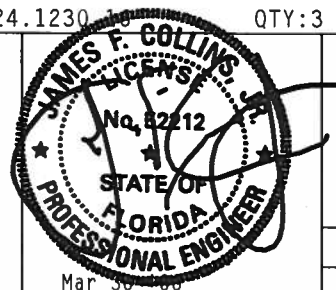


Mar 30 06

TC LL	20.0 PSF	REF	R215-- 53313
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089120
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	113913
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

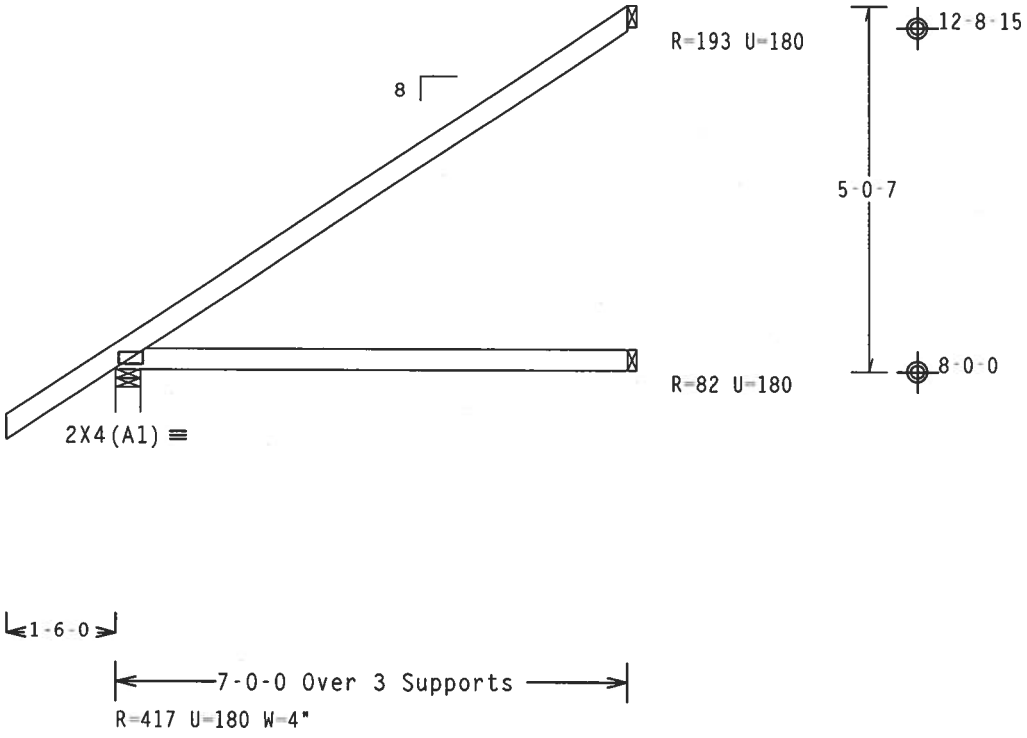
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



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

PLT TYP. Wave\R

QTY:25 FL/-/5/-/-/R/-

Scale =.375"/Ft.

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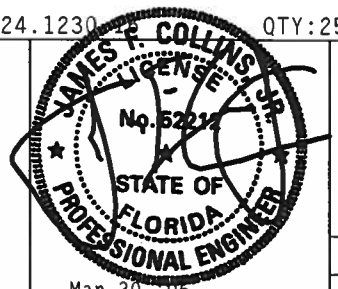


Mar 30 06

TC LL	20.0 PSF	REF	R215-- 53314
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089121
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	113885
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

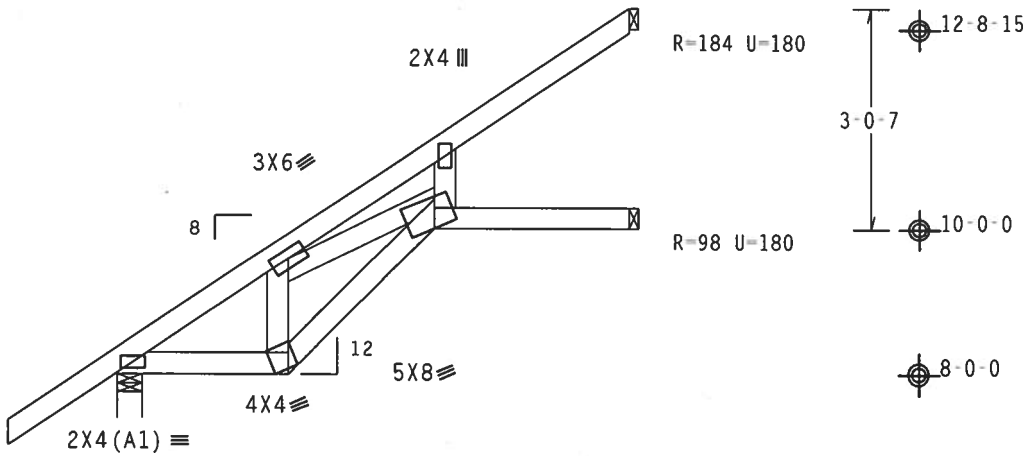
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

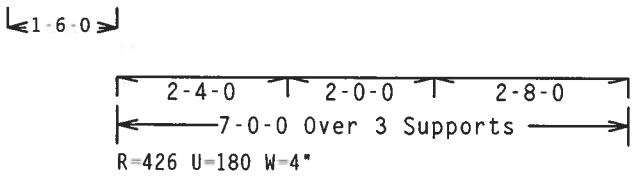
Deflection meets L/360 live and L/240 total load.

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.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R
Cq/RT=1.00(1.25)/10(0) 7.24.1230 1
FL/-/5/-/-/R/-
Scale =.375"/Ft.

ALPINE
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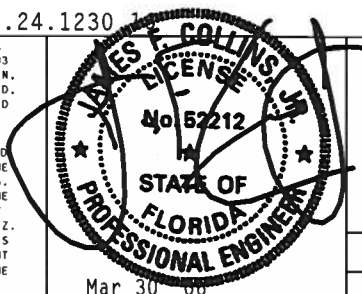


Mar 30 06

TC LL	20.0 PSF	REF R215-- 53315
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089001
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 114129
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

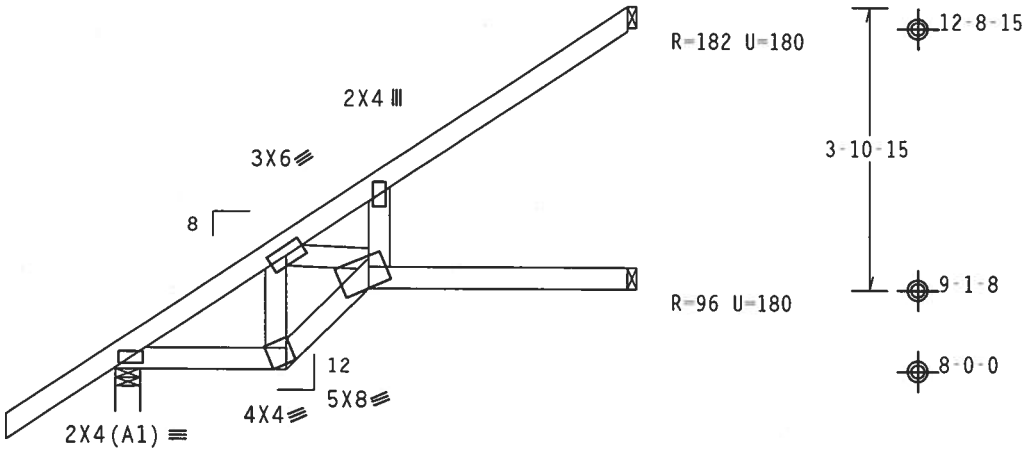
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

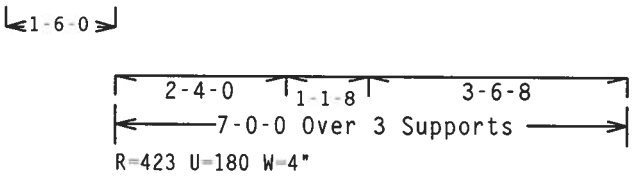
Deflection meets L/360 live and L/240 total load.

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.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.10

PLT TYP. Wave\R

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

Scale =.375"/Ft.

ALPINE
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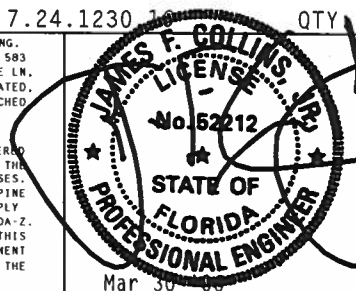


Mar 30 06

TC LL	20.0 PSF	REF R215-- 53316
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089122
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 113943
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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.

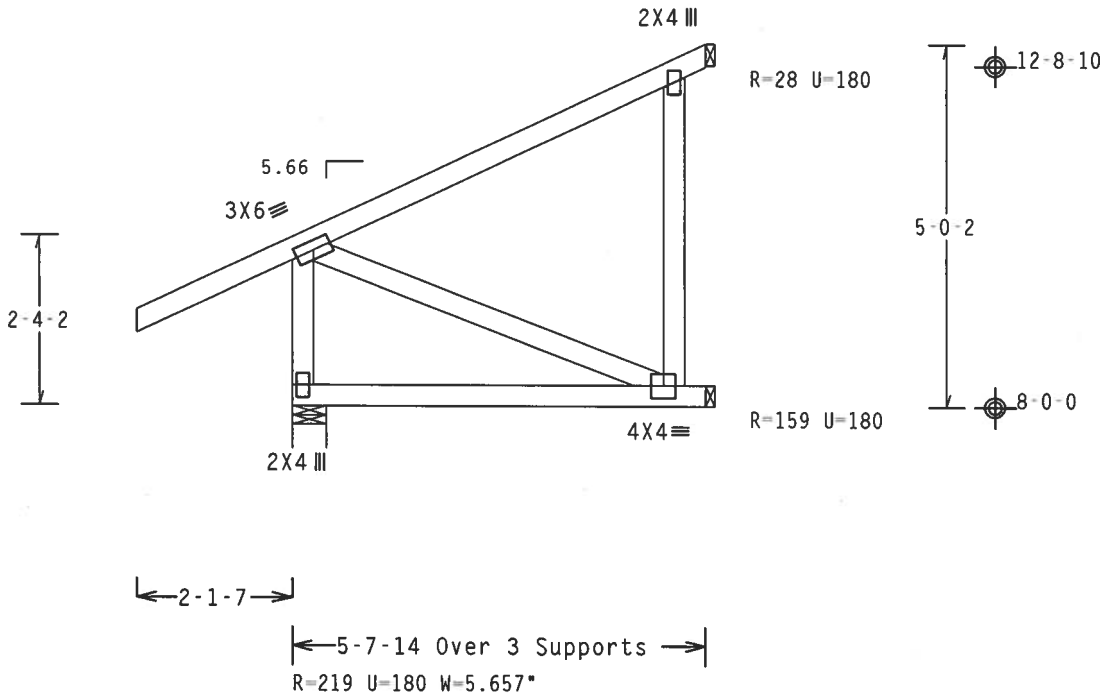
The overall height of this truss excluding overhang is 5-0-2.

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

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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 TY:2 FL/-/5/-/-/R/- Scale =.375"/Ft.

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FL Certificate of Authorization # 567

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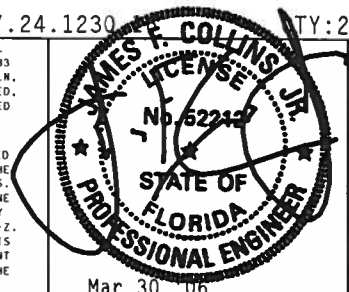


Mar 30 06

TC LL	20.0 PSF	REF	R215-- 53317
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089162
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	113906
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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

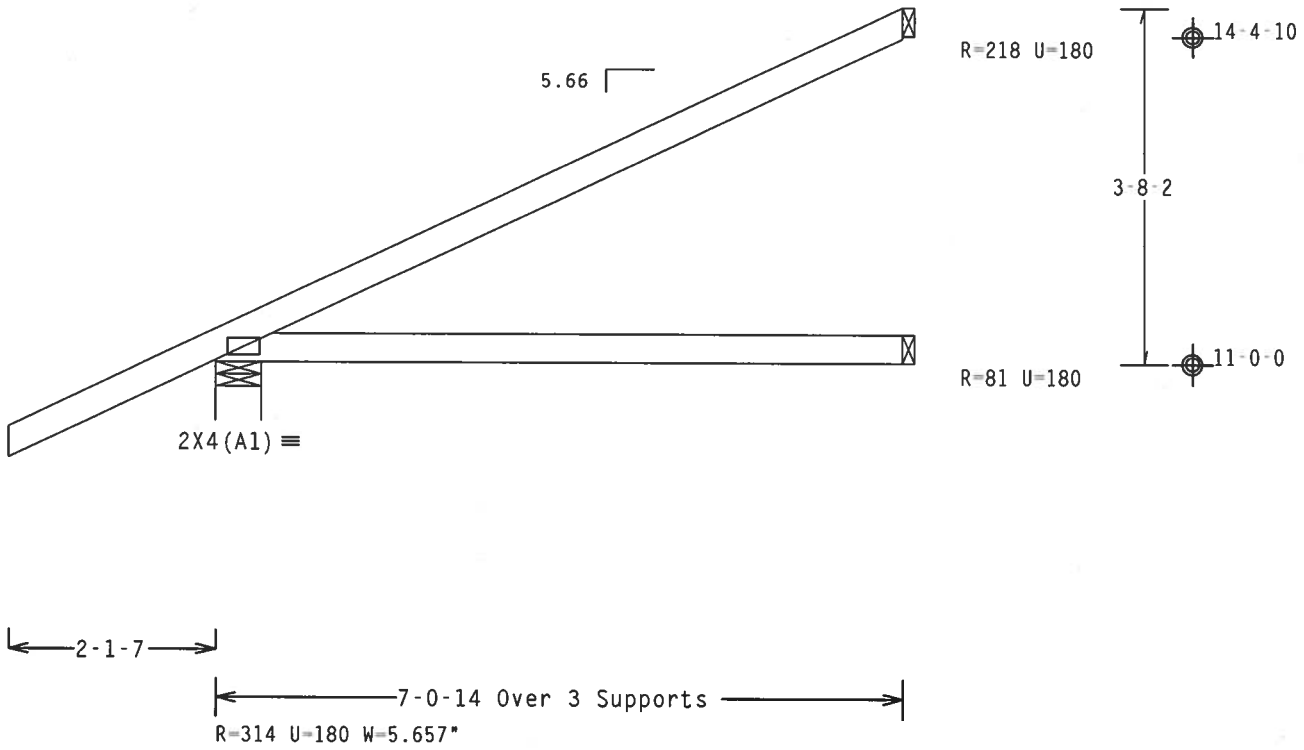
Hipjack supports 5-0-0 setback jacks with no webs.

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

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

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

The overall height of this truss excluding overhang is 3-8-2.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE

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

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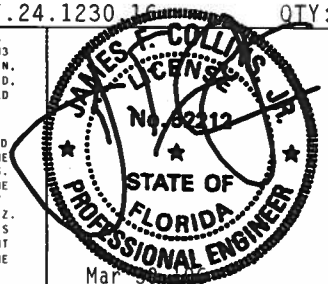


Mar

TC LL	20.0 PSF	REF	R215-- 53318
TC DL	10.0 PSF	DATE	03/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06089163
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	113909
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SVX215_Z05

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

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

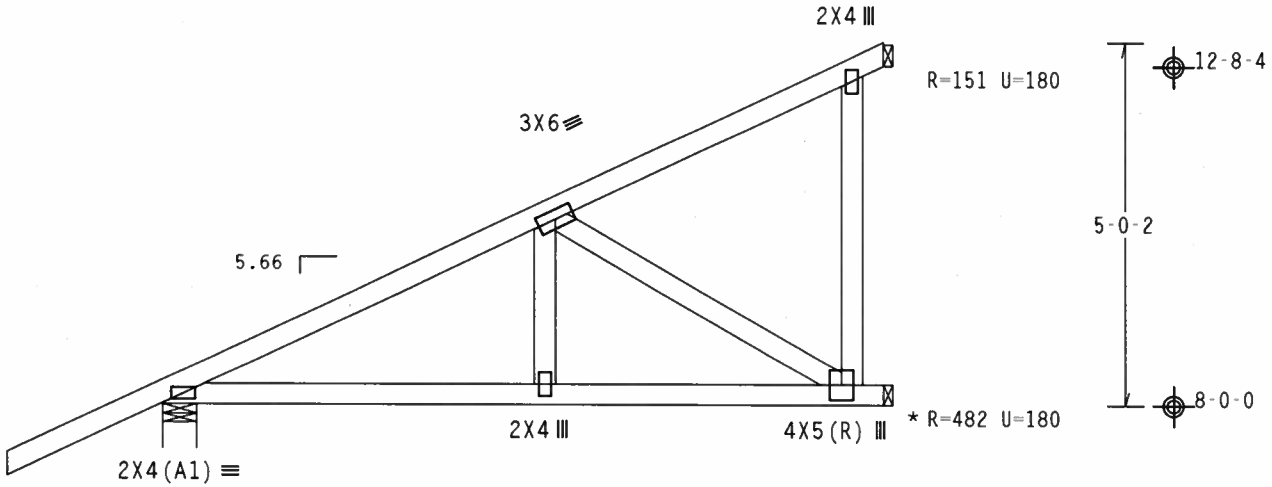
Plates sized for a minimum of 3.00 sq.in./piece.

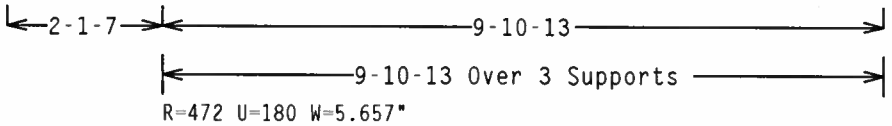
* Toe nailing allowed based on average reaction

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

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:13 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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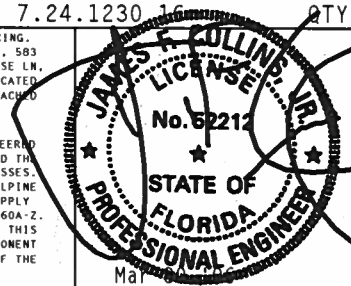


Mar

TC LL	20.0 PSF	REF R215-- 53319
TC DL	10.0 PSF	DATE 03/30/06
BC DL	10.0 PSF	DRW HCUSR215 06089164
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 113894
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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

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

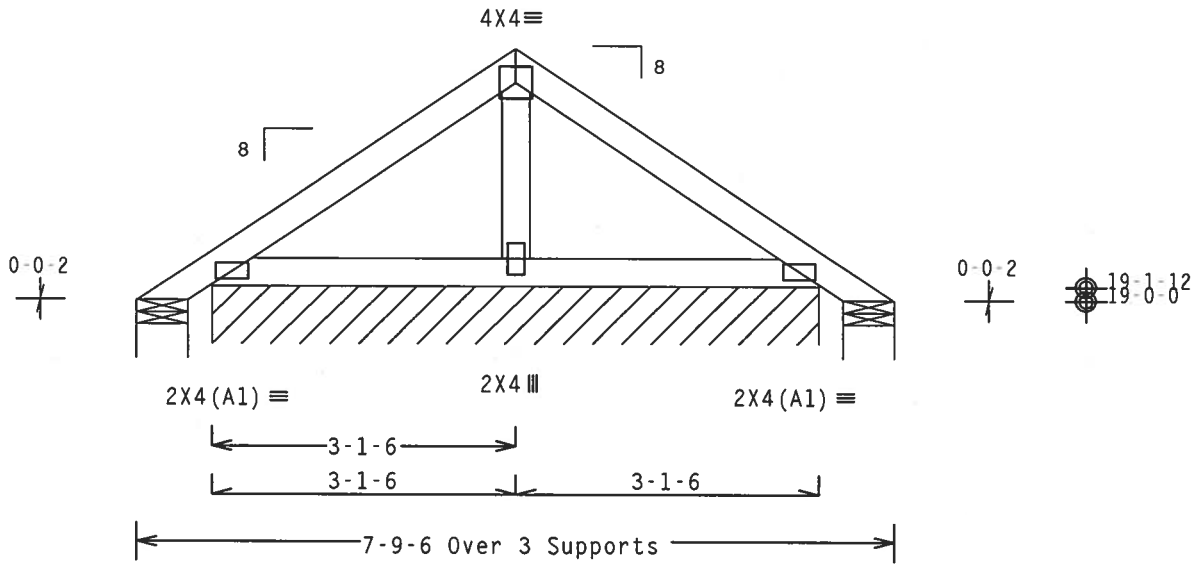
Plates sized for a minimum of 3.00 sq.in./piece.

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO
BE BRACED AT 24" O.C.

110 mph wind, 20.30 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.

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



R=-18 U=180 W=6.31"
(6.122" Effective Contact)

R=85 PLF U=29 PLF W=6-2-12

R=-18 U=180 W=6.31"
(6.122" Effective Contact)

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

ALPINE
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JAMES R. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 30 06

TC LL	20.0 PSF	REF R215-- 53320
TC DL	10.0 PSF	DATE 03/30/06
BC DL	2.0 PSF	DRW HCUSR215 06089165
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	32.0 PSF	SEQN- 114011
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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.

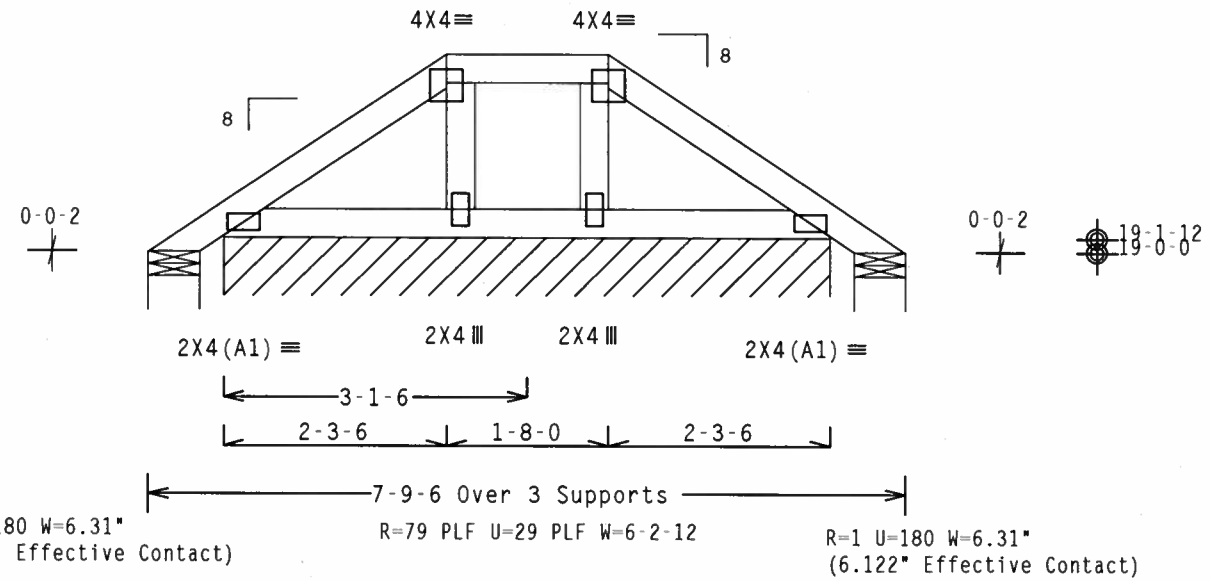
The overall height of this truss excluding overhang is 2-0-7.

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED AT 24" O.C.

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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 30 '06

TC LL	20.0 PSF	REF R215-- 53321
TC DL	10.0 PSF	DATE 03/30/06
BC DL	2.0 PSF	DRW HCUSR215 06089166
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	32.0 PSF	SEQN- 114014
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SVX215_Z05

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

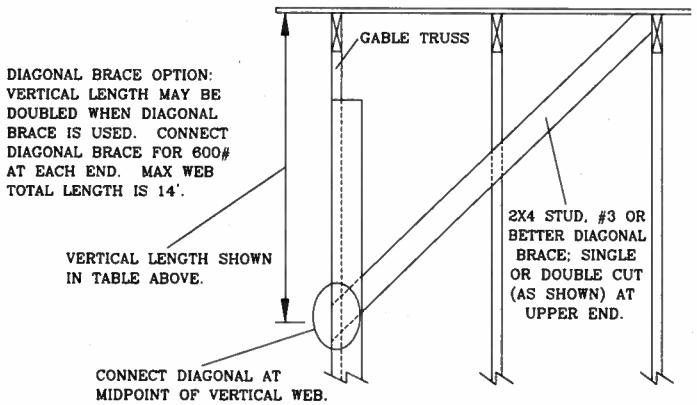
SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD

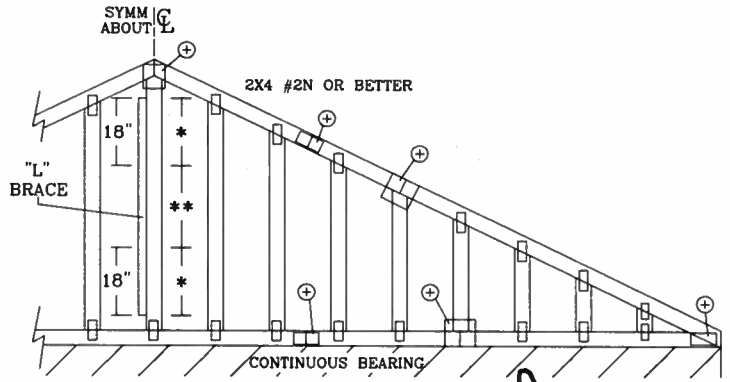
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#1
#2	#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

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

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

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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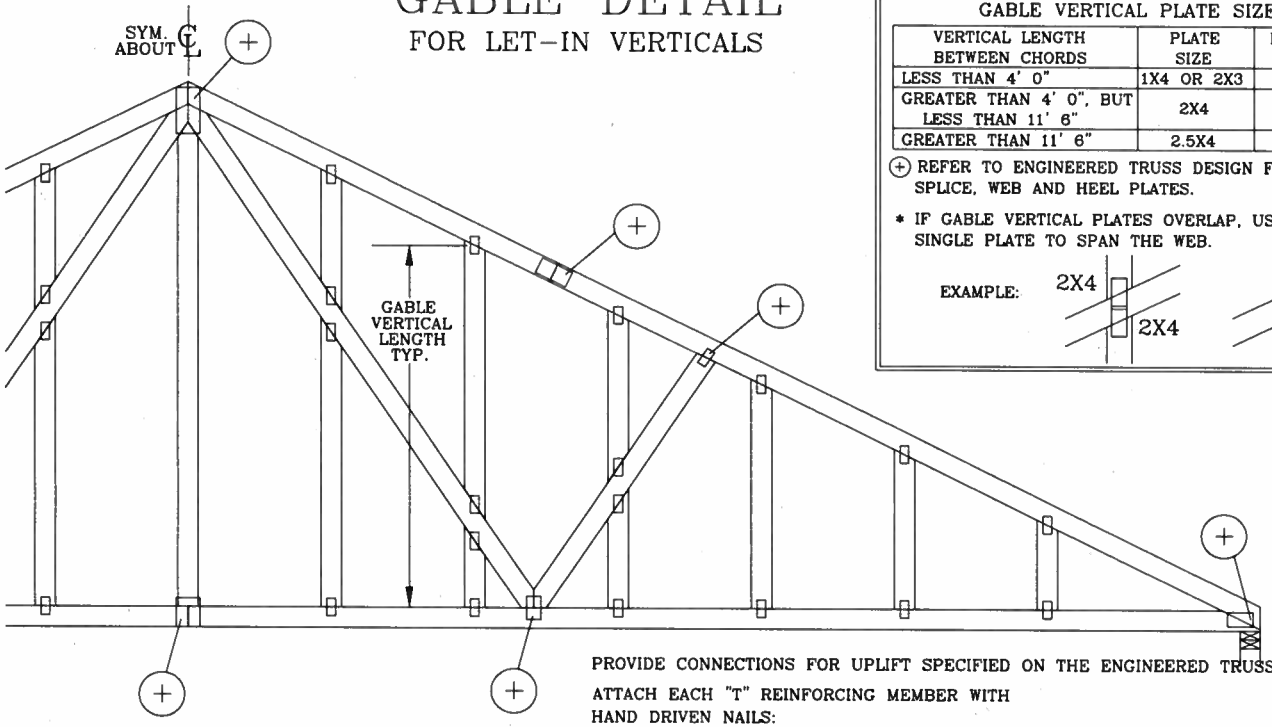
JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

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

GABLE DETAIL
FOR LET-IN VERTICALS

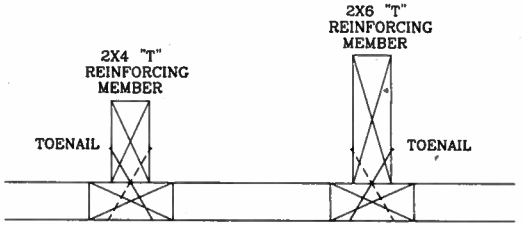


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

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

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

EXAMPLE:



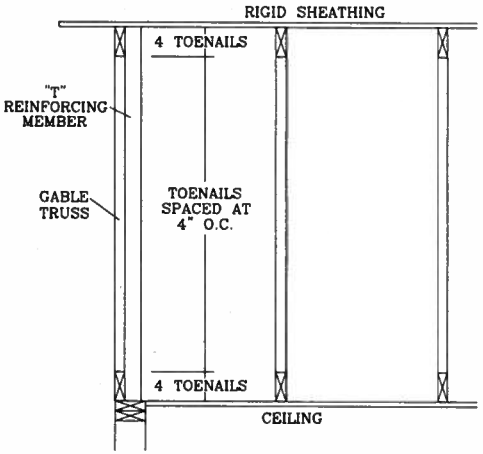
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

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

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

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

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POMPANO BEACH, FLORIDA

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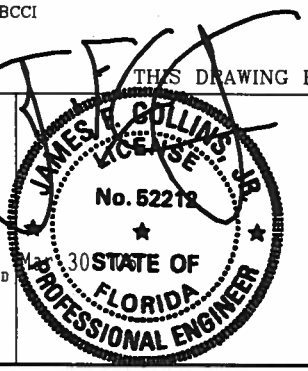


MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

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

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

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

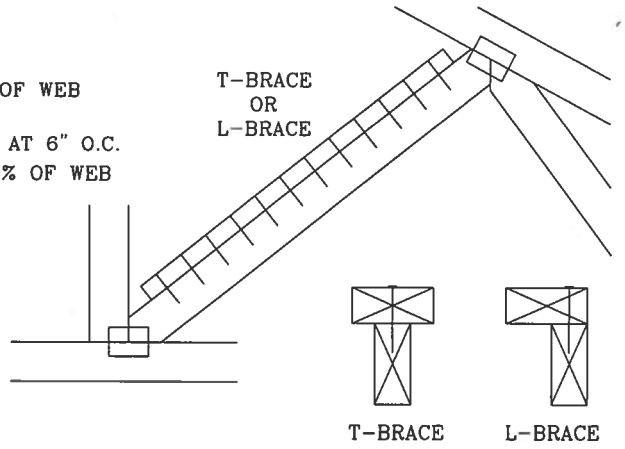
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE

ATTACH WITH 16d NAILS AT 6" O.C.

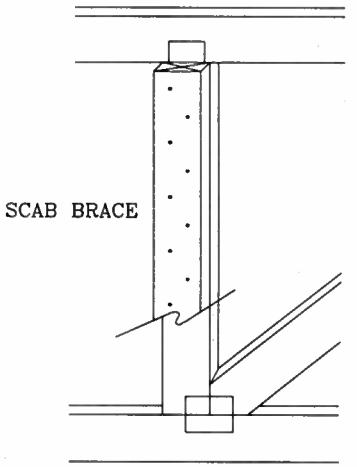
BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE.

ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

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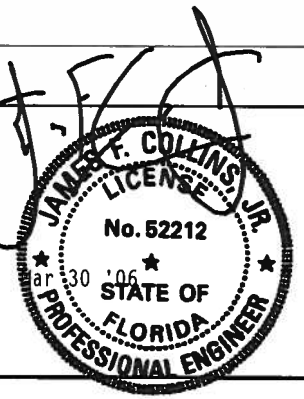


TC LL	PSF	REF CLB SUBST.
TC DL	PSF	DATE 11/26/03
BC DL	PSF	DRWG BRCLBSUB1103
BC LL	PSF	-ENG MLH/KAR
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

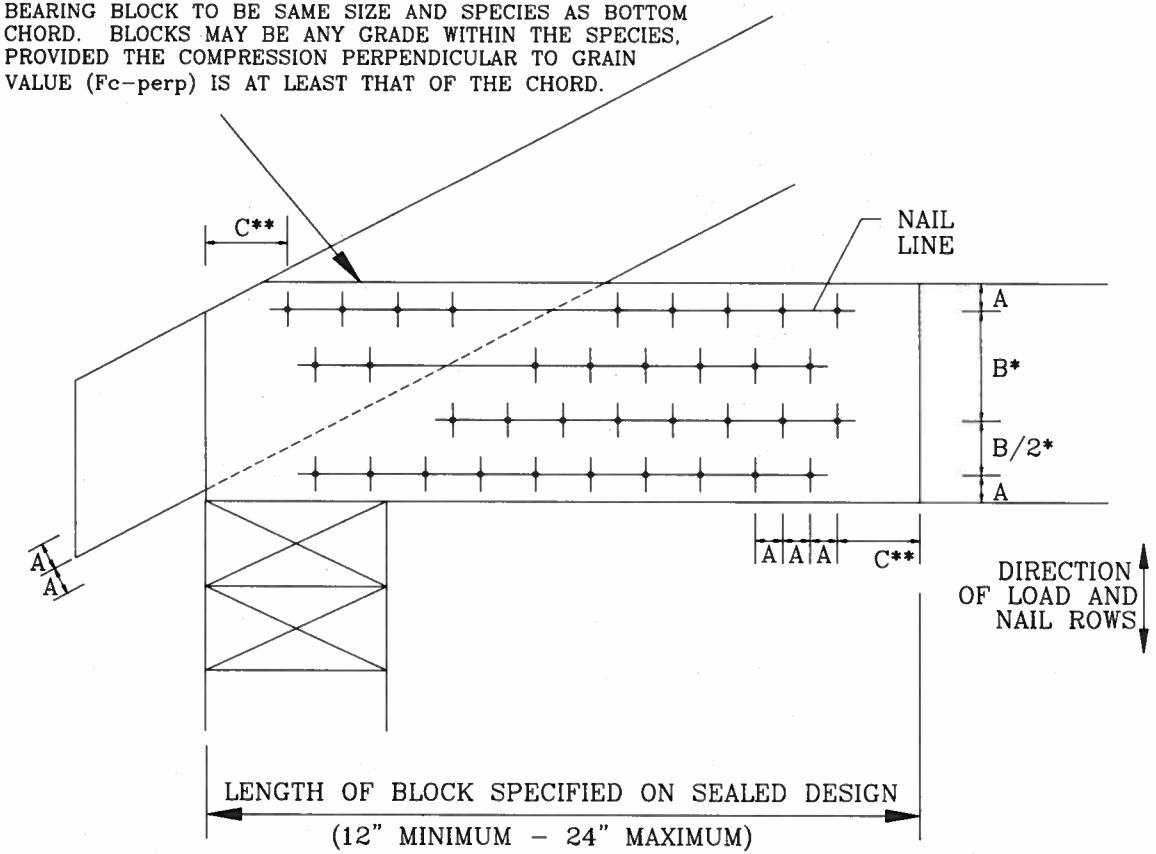
BEARING BLOCK NAIL SPACING DETAIL

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

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

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

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



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE 2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"X2.5")	3	6	9	12	15
10d BOX (0.128"X3")	3	5	7	10	12
12d BOX (0.128"X3.25")	3	5	7	10	12
16d BOX (0.135"X3.5")	3	5	7	10	12
20d BOX (0.148"X4")	2	4	5	6	8
8d COMMON (0.131"X2.5")	3	5	7	10	12
10d COMMON (0.148"X3")	2	4	6	8	10
12d COMMON (0.148"X3.25")	2	4	6	8	10
16d COMMON (0.162"X3.5")	2	4	6	8	10
0.120"X2.5" GUN	3	6	8	11	14
0.131"X2.5" GUN	3	5	7	10	12
0.120"X3.0" GUN	3	6	8	11	14
0.131"x3.0" GUN	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**
8d BOX (0.113"X2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X3")	7/8"	1 5/8"	2"
12d BOX (0.128"X3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"X3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"X3")	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X3.25")	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X3.5")	1'	2"	2 1/2"
0.120"X2.5" GUN	3/4"	1 1/2"	1 7/8"
0.131"X2.5" GUN	7/8"	1 5/8"	2"
0.120"X3.0" GUN	3/4"	1 1/2"	1 7/8"
0.131"x3.0" GUN	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

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

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