DATE 04/05/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000024347

APPLICANT MARILYN EDGLEY PHONE 752-0580

ADDRESS 590 SW ARLINGTON BLVD LAKE CITY FL 32024

OWNER ARTHUR HUTCHISON/ANN BORMOLINI PHONE

ADDRESS 359 SW BROTHERS LANE LAKE CITY FL 32024

CONTRACTOR DOUG EDGLEY PHONE 752-0580

LOCATION OF PROPERTY 90W,TL ON SISTERS WELCOME RD, TL ON BROTHERS LANE, TL ON PLANTATION TERR, 1ST ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 140100.00

HEATED FLOOR AREA 2802.00 TOTAL AREA 4139.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 26

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 12-4S-16-02941-103 SUBDIVISION SOUTHERN LANDINGS

LOT 3 BLOCK PHASE UNIT TOTAL ACRES 0.52

000001041		RR2828113	Marilyn Edgley	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
CULVERT	06-0286-N	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1376

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 $ 705.00 CERTIFICATION FEE $ 20.70 SURCHARGE FEE $ 20.70

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** 846.40

INSPECTORS OFFICE _____ CLERKS OFFICE _____

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0603-105 Date Received 3-29-06 By LH Permit # 1041/24347
Application Approved by - Zoning Official BLK Date 30.03.06 Plans Examiner OK JTH Date 3-30-06
Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Den.
Comments

Applicants Name KIMMY EDGLEY Phone 386-752-0580
Address 590 SW ARLINGTON BLVD SUITE 105, LAKE CITY FL 32025
Owners Name ARTHUR HUTCHISON AND ANN BORMOLINI Phone 386-752-0580
911 Address 359 SW BROTHERS LANE LAKE CITY FL 32025
Contractors Name EDGLEY CONSTRUCTION CO. Phone 386-752-0580
Address 590 SW ARLINGTON BLVD SUITE 105 LAKE CITY FL 32025
Fee Simple Owner Name & Address ARTHUR HUTCHISON AND ANN BORMOLINI
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address MARK DISOSWAY PE, P.O. BOX 868, LAKE CITY FL 32056
Mortgage Lenders Name & Address N/A
Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progressive Energy
Property ID Number 12-4S-16-02941-103 Estimated Cost of Construction $280,000.00
Subdivision Name SOUTHER LANDINGS Lot 3 Block ____ Unit ____ Phase ____
Driving Directions HWY 90 WEST, TL ON SISTERS WELCOME RD, TL ON BROTHERS LANE, TL INTO SOUTHERN LANDINGS ON PLANTATION TERRACE FIRST ON RIGHT

Type of Construction RESIDENTIAL HOME Number of Existing Dwellings on Property N/A
Total Acreage .523 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 42' Side 25' Side 12' Rear 92'
Total Building Height 26'10" Number of Stories 1 Heated Floor Area 2802 Roof Pitch 6/12
Porch 832 Garage 505 TOTAL 4139

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.

Kimmy Edgley - Agent
Owner Builder or Agent (Including Contractor)

Contractor Signature
Contractors License Number RR282811326
Competency Card Number 5472
NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 28th day of March 2006.
Personally known ✓ or Produced Identification ____

Jan Clark
Notary Signature

JAN CLARK
MY COMMISSION # DD 181635
EXPIRES: March 28, 2007
Bonded Thru Budget Notary Services

Notary Public State of Florida

called ... 3-30-06 * talked with Mr Edgley

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

Tax Parcel ID Number 12-4S-16-02941-103

1. **Description of property: (legal description of the property and street address or 911 address)**
LOT 3, SOUTHERN LANDINGS AVIATION SUBDIVISION, according to the map or plat thereof as recorded in Plat Book 7, Page 205-206, of the Public Records of Columbia County, Florida. 359 SW Brothers Lane, Lake City Florida 32025

2. **General description of improvement:** Residential Home and Airplane Hangar

3. **Owner Name & Address** Arthur Hutchison

Interest in Property 100%

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

5. **Contractor Name** Edgley Construction Co. **Phone Number** 386-752-0580
Address 590 SW Arlington Blvd Suite 105 Lake City Fl 32025

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

Inst:2006007912 Date:03/30/2006 Time:15:28
DC,P.DeWitt Cason,Columbia County B:1079 P:330

7. **Lender Name** N/A
Address

8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
Name Edgley Construction Co. **Phone Number** 386-752-0580
Address 590 SW Arlington Blvd suite 105, Lake City Fl 32025

9. **In addition to himself/herself the owner designates** Edgley Construction Co. **of** Lake City Florida **to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee** 386-752-0580

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

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

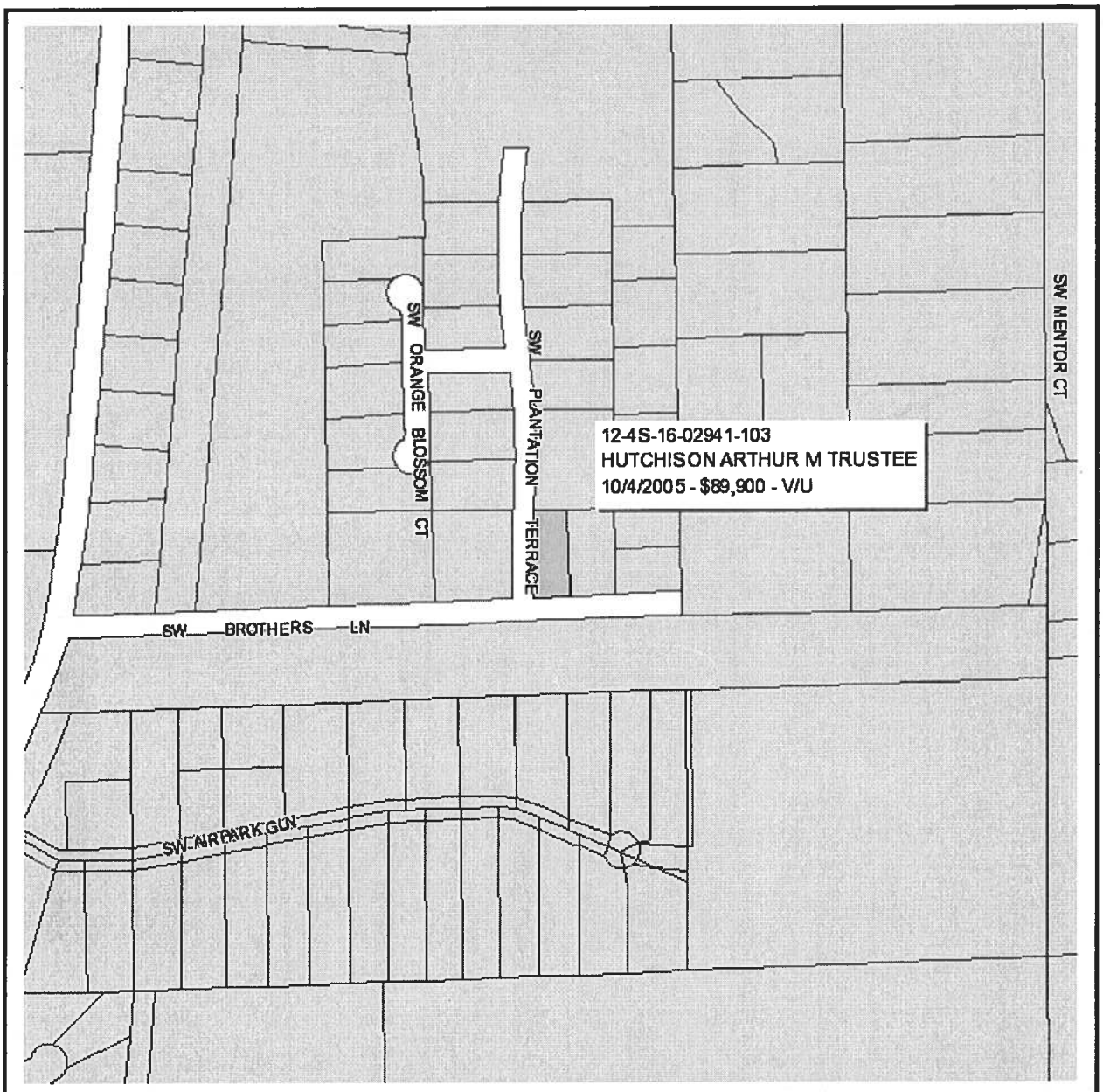
Sworn to (or affirmed) and subscribed before day of 30th March, 2006

A M Hutchison
Signature of Owner

NOTARY STAMP/SEAL

NOTARY PUBLIC STATE OF FLORIDA
JAN CLARK
MY COMMISSION # DD 181635
EXPIRES: March 28, 2007
Bonded Thru Budget Notary Services

Jan Clark



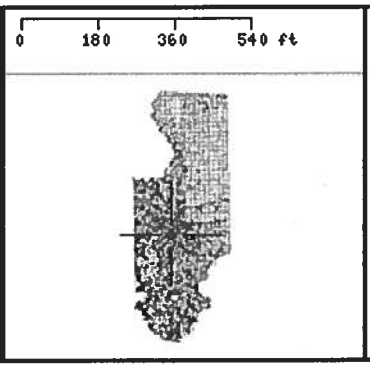
Columbia County Property Appraiser

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

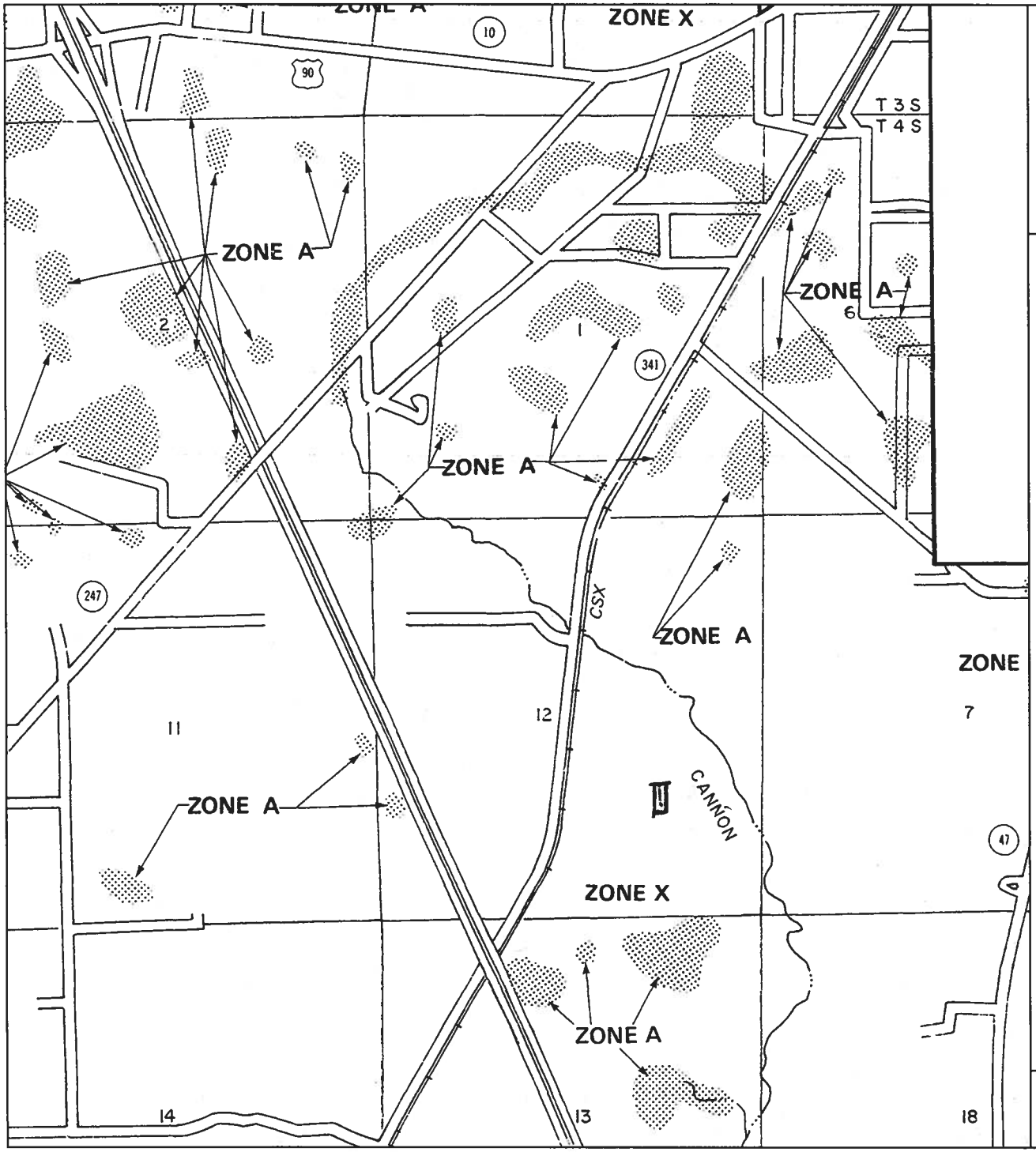
PARCEL: 12-4S-16-02941-103 - VACANT (000000)

LOT 3 SOUTHERN LANDINGS AVIATION S/D. WD 1049-1770, WD 1061-93.

Name:	HUTCHISON ARTHUR M TRUSTEE	LandVal	$63,500.00
Site:		BldgVal	$0.00
Mail:	24099 HIGH MEADOW DR GOLDEN, CO 80401	ApprVal	$63,500.00
		JustVal	$63,500.00
Sales	10/4/2005 $89,900.00 V / U	Assd	$63,500.00
Info	6/2/2005 $75,000.00 V / Q	Exmpt	$0.00
		Taxable	$63,500.00



This information, GIS Map Updated: 2/7/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



N

APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

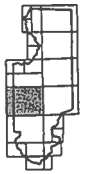
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0175 B
EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

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

Print Date: 3/30/2006 (printed at scale and type A)

This Instrument Prepared by & return to:
Name: *Chris Travis, an employee of TITLE OFFICES, LLC*
Address: *1089 SW MAIN BLVD. LAKE CITY, FLORIDA 32025*
File No. 05Y-08164CT

Inst:200502491S Date:10/07/2005 Time:09:17
Doc Stamp-Deed : 629.30
DC,P.DeWitt Cason,Columbia County B:1061 P:93

Parcel I.D. #: *02941-001*

SPACE ABOVE THIS LINE FOR PROCESSING DATA | *SPACE ABOVE THIS LINE FOR RECORDING DATA*

THIS WARRANTY DEED

Made the 4TH day of OCTOBER, A.D. 2005, by

***JAMES D. BERNARD** and **THERASA C. BERNARD**, HIS WIFE, hereinafter called the grantors, to*

***ARTHUR M. HUTCHISON, AS TRUSTEE OF THE ARTHUR M. HUTCHISON REVOCABLE TRUST DATED SEPTEMBER 26, 1994,** whose post office address is*

***24099 HIGH MEADOW DR, GOLDEN, CO 80401,** hereinafter called the grantee:*

(Wherever used herein the terms "grantors" and "grantee" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

***Witnesseth:** That the grantors, for and in consideration of the sum of $10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in **Columbia County, State of FLORIDA**, viz:*

Lot 3, SOUTHERN LANDINGS AVIATION SUBDIVISION, according to the map or plat thereof as recorded in Plat Book 7, Page 205-206, of the Public Records of Columbia County, FLORIDA.

THE ABOVE DESCRIBED PROPERTY IS NOT THE HOMESTEAD OF THE GRANTOR.

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

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

***And** the grantors hereby covenant with said grantee that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.*

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

Signed, sealed and delivered in the presence of:

Kathy Bozeman
Witness Signature
Kathy Bozeman
Printed Name

Witness Signature
Printed Name

L.S.
JAMES D. BERNARD
Address:
5366 ASHBURY MANOR LANE, SUGAR HILL, GA 30518

L.S.
THERASA C. BERNARD
Address:
5366 ASHBURY MANOR LANE, SUGAR HILL, GA 30518

STATE OF GEORGIA
COUNTY OF Cobb

*The foregoing instrument was acknowledged before me this 4TH day of **OCTOBER, 2005**, by **JAMES D. BERNARD and THERASA C. BERNARD**, who are known to me or who have produced* DL *as identification.*

Notary Public
My commission expires 3/21/08

KULSHRUTI PATEL
NOTARY PUBLIC
COBB COUNTY, GEORGIA
MY COMMISSION EXPIRES
MAR. 21 2008

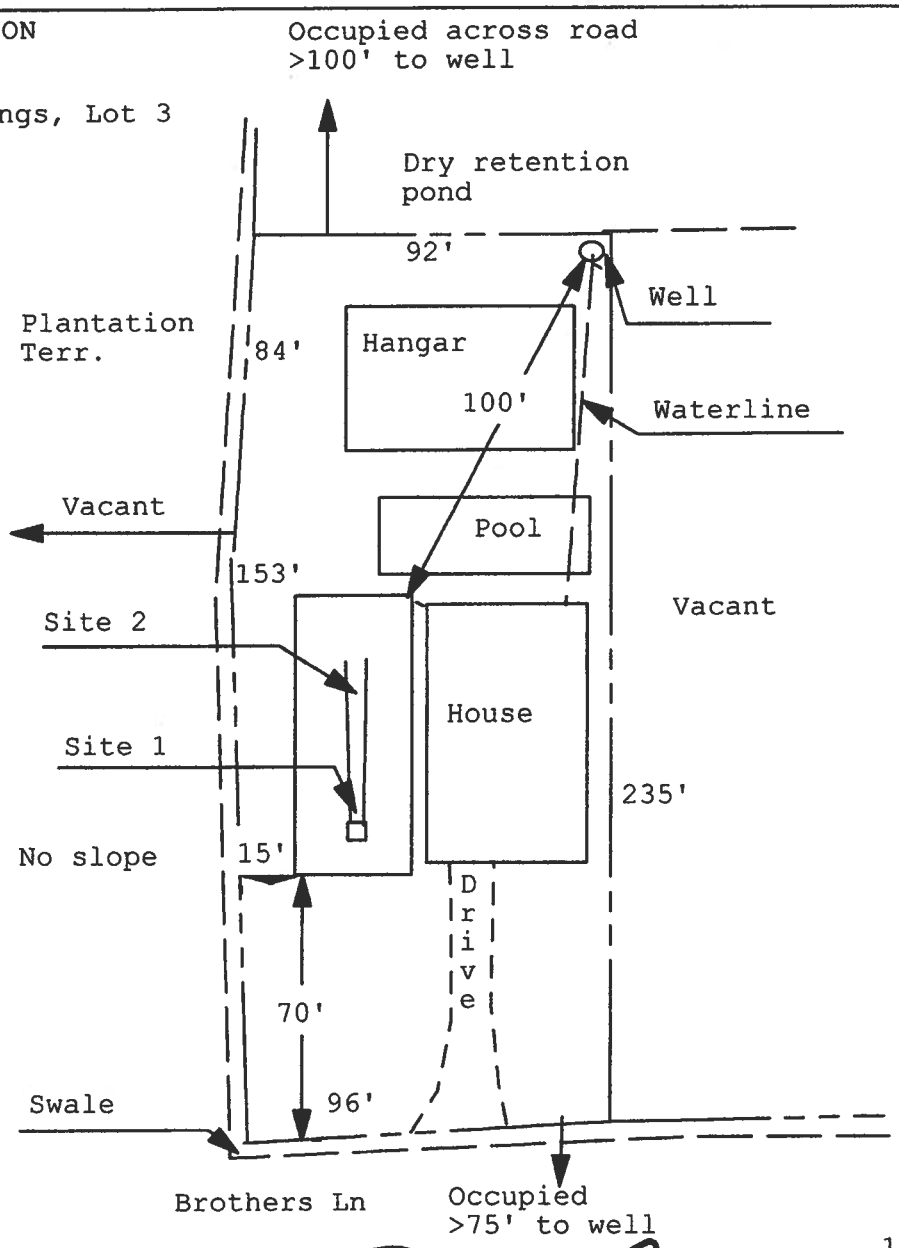
Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0286N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

BORLINI/HUTCHISON
CR 05-3241

Southern Landings, Lot 3



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 11/30/05

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

By Sallie Gradely. ES II **Columbia CHD** **CPHU**

Notes: _____

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE ISSUED: 2 December 2005

ENHANCED 9-1-1 ADDRESS:

359 SW BROTHERS LN (LAKE CITY, FL 32025)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS:

PROPERTY APPRAISER PARCEL NUMBER: 12-4S-16-02941-103

Other Contact Phone Number (If any):

Building Permit Number (If known):

Remarks: LOT 3 SOUTHERN LANDINGS AVIATIONS S/D

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

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

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

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

June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,

Donald D. Hall
DDH/jk

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**510191HutchisonArthur&Bormolini,Arin**	Builder:	
Address:	**Lot: 3, Sub: Southern Landin, Plat:**	Permitting Office:	Columbia
City, State:	**, FL**	Permit Number:	24347
Owner:	**Hutchison Arthur & Bormolini, Arin**	Jurisdiction Number:	221000
Climate Zone:	**North**		

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	4	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft²)	2802 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.	Description Area (Dble Default) 354.7 ft²	
b. SHGC: (or Clear or Tint DEFAULT) 7b.	(Clear) 354.7 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=0.0, 249.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Frame, Wood, Exterior	R=13.0, 1733.3 ft²	
b. Frame, Wood, Adjacent	R=13.0, 430.0 ft²	
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=30.0, 2838.0 ft²	
b. N/A		
c. N/A		
11. Ducts		
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 250.0 ft	
b. N/A		

12. Cooling systems		
a. Central Unit	Cap: 55.0 kBtu/hr SEER: 10.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 55.0 kBtu/hr HSPF: 7.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 40.0 gallons EF: 0.93	
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)		

Glass/Floor Area: 0.13

Total as-built points: 38991
Total base points: 40168

PASS

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

PREPARED BY: _____

DATE: 12-16-05

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** 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	2802.0	20.04	10107.4	Double, Clear	S	8.0	10.0	120.0	35.87	0.55	2380.9	
				Double, Clear	S	8.0	6.0	16.0	35.87	0.48	277.8	
				Double, Clear	S	8.0	6.0	8.0	35.87	0.48	138.9	
				Double, Clear	W	1.5	6.0	36.0	38.52	0.91	1266.7	
				Double, Clear	N	6.0	6.0	18.0	19.20	0.71	245.7	
				Double, Clear	N	12.0	10.0	60.0	19.20	0.68	783.5	
				Double, Clear	N	12.0	10.0	6.7	19.20	0.68	87.5	
				Double, Clear	E	1.5	7.0	90.0	42.06	0.94	3552.3	
				As-Built Total:				**354.7**			**8733.3**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	430.0	0.70	301.0	Frame, Wood, Exterior	13.0	1733.3	1.50	2600.0
Exterior	1733.3	1.70	2946.6	Frame, Wood, Adjacent	13.0	430.0	0.60	258.0
Base Total:	**2163.3**		**3247.6**	**As-Built Total:**		**2163.3**		**2858.0**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	1.60	32.0	Exterior Insulated	50.0	4.10	205.0
Exterior	70.0	4.10	287.0	Exterior Insulated	20.0	4.10	82.0
				Adjacent Insulated	20.0	1.60	32.0
Base Total:	**90.0**		**319.0**	**As-Built Total:**	**90.0**		**319.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2802.0	1.73	4847.5	Under Attic	30.0	2838.0	1.73 X 1.00	4909.7
Base Total:	**2802.0**		**4847.5**	**As-Built Total:**		**2838.0**		**4909.7**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	249.0(p)	-37.0	-9213.0	Slab-On-Grade Edge Insulation	0.0	249.0(p	-41.20	-10258.8
Raised	0.0	0.00	0.0					
Base Total:			**-9213.0**	**As-Built Total:**		**249.0**		**-10258.8**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	2802.0	10.21	28608.4	2802.0	10.21	28608.4

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 37916.9			**Summer As-Built Points: 35169.6**					
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 55000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			35170	1.00	(1.09 x 1.147 x 0.91)	0.341	1.000	13656.4
37916.9	**0.4266**	**16175.3**	**35169.6**	**1.00**	**1.138**	**0.341**	**1.000**	**13656.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** 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	2802.0	12.74	6425.5	Double, Clear	S	8.0	10.0	120.0	13.30	2.38	3797.1	
				Double, Clear	S	8.0	6.0	16.0	13.30	3.15	670.1	
				Double, Clear	S	8.0	6.0	8.0	13.30	3.15	335.0	
				Double, Clear	W	1.5	6.0	36.0	20.73	1.02	763.7	
				Double, Clear	N	6.0	6.0	18.0	24.58	1.02	450.5	
				Double, Clear	N	12.0	10.0	60.0	24.58	1.02	1505.1	
				Double, Clear	N	12.0	10.0	6.7	24.58	1.02	168.1	
				Double, Clear	E	1.5	7.0	90.0	18.79	1.03	1736.3	
				As-Built Total:				**354.7**			**9425.9**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	430.0	3.60	1548.0	Frame, Wood, Exterior			13.0	1733.3	3.40		5893.2	
Exterior	1733.3	3.70	6413.2	Frame, Wood, Adjacent			13.0	430.0	3.30		1419.0	
Base Total:	**2163.3**		**7961.2**	**As-Built Total:**				**2163.3**			**7312.2**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	20.0	8.00	160.0	Exterior Insulated				50.0	8.40		420.0	
Exterior	70.0	8.40	588.0	Exterior Insulated				20.0	8.40		168.0	
				Adjacent Insulated				20.0	8.00		160.0	
Base Total:	**90.0**		**748.0**	**As-Built Total:**				**90.0**			**748.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points	
Under Attic	2802.0	2.05	5744.1	Under Attic			30.0	2838.0	2.05 X 1.00		5817.9	
Base Total:	**2802.0**		**5744.1**	**As-Built Total:**				**2838.0**			**5817.9**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	249.0(p)	8.9	2216.1	Slab-On-Grade Edge Insulation			0.0	249.0(p	18.80		4681.2	
Raised	0.0	0.00	0.0									
Base Total:			**2216.1**	**As-Built Total:**				**249.0**			**4681.2**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	2802.0	-0.59	-1653.2					2802.0	-0.59		-1653.2	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**21441.8**	**Winter As-Built Points:**					**26332.0**
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 55000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
			26332.0	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000	14907.9
21441.8	**0.6274**	**13452.6**	**26332.0**	**1.00**	**1.162**	**0.487**	**1.000**	**14907.9**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
4		2635.00	10540.0	40.0	0.93	4		1.00	2606.67	1.00	10426.7
				As-Built Total:							**10426.7**

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points		Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	
16175	**13453**	**10540**	**40168**		**13656**	**14908**	**10427**	**38991**	

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.4

The higher the score, the more efficient the home.

Hutchison Arthur & Bormolini, Arin, Lot: 3, Sub: Southern Landin, Plat: , , FL,

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	4			
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	2802 ft²			
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description Area			
	(or Single or Double DEFAULT) 7a.	(Dble Default) 354.7 ft²			
b.	SHGC:				
	(or Clear or Tint DEFAULT) 7b.	(Clear) 354.7 ft²			
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 249.0(p) ft			
b.	N/A				
c.	N/A				
9.	Wall types				
a.	Frame, Wood, Exterior	R=13.0, 1733.3 ft²			
b.	Frame, Wood, Adjacent	R=13.0, 430.0 ft²			
c.	N/A				
d.	N/A				
e.	N/A				
10.	Ceiling types				
a.	Under Attic	R=30.0, 2838.0 ft²			
b.	N/A				
c.	N/A				
11.	Ducts				
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 250.0 ft			
b.	N/A				
12.	Cooling systems				
a.	Central Unit	Cap: 55.0 kBtu/hr			
		SEER: 10.00			
b.	N/A				
c.	N/A				
13.	Heating systems				
a.	Electric Heat Pump	Cap: 55.0 kBtu/hr			
		HSPF: 7.00			
b.	N/A				
c.	N/A				
14.	Hot water systems				
a.	Electric Resistance	Cap: 40.0 gallons			
		EF: 0.93			
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)				

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.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001041

DATE 04/05/2006 PARCEL ID # 12-4S-16-02941-103

APPLICANT MARILYN EDGLEY PHONE 752-0580

ADDRESS 590 SW ARLINGTON BLVD LAKE CITY FL 32025

OWNER ARTHUR HUTCHISON/ANN BORMOLINI PHONE

ADDRESS 359 SW BROTHERS LANE LAKE CITY FL 32025

CONTRACTOR DOUG EDGLEY PHONE 752-0580

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TL ON BROTHERS LANE, TL ON PLANTATION TERR, 1ST ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SOUTHERN LANDINGS 3

SIGNATURE x Marilyn Edgley

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

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

Reference to a building permit application Number: 0603-105

Edgley Construction Owner Arthur Hutchison & Ann Bormoilni Lot 3 of Southern Landing
On the date of March 30, 2006 application 0603-105 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 0603-105 when making reference to this application.

1. Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be preformed by the Columbia County Building Department.
2. Please verify compliance with the FRC-2004 section R308.4 Hazardous locations: Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface. Each pane of glazing installed in hazardous locations as defined in Section R308.4 shall be provided with a manufacturer's or installer's label, designating the type and thickness of glass and the safety glazing standard with which it complies, which is visible in the final installation. The label shall be acid etched,

sandblasted, ceramic-fired, embossed mark, or shall be of a type which once applied cannot be removed without being destroyed.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**510191HutchisonArthur&Bormolini,Arin**	Builder:	
Address:	**Lot: 3, Sub: Southern Landin, Plat:**	Permitting Office:	
City, State:	**, FL**	Permit Number:	
Owner:	**Hutchison Arthur & Bormolini, Arin**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 55.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	2802 ft²	c. N/A	
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.	Description Area (Dble Default) 354.7 ft²	13. Heating systems	
b. SHGC: (or Clear or Tint DEFAULT) 7b.	(Clear) 354.7 ft²	a. Electric Heat Pump	Cap: 55.0 kBtu/hr
8. Floor types			HSPF: 7.00
a. Slab-On-Grade Edge Insulation	R=0.0, 249.0(p) ft	b. N/A	
b. N/A			
c. N/A		c. N/A	
9. Wall types		14. Hot water systems	
a. Frame, Wood, Exterior	R=13.0, 1733.3 ft²	a. Electric Resistance	Cap: 40.0 gallons
b. Frame, Wood, Adjacent	R=13.0, 430.0 ft²		EF: 0.93
c. N/A		b. N/A	
d. N/A			
e. N/A		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling 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)	
a. Under Attic	R=30.0, 2838.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 250.0 ft		
b. N/A			

Glass/Floor Area: 0.13 Total as-built points: 38991 Total base points: 40168 **PASS**

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

PREPARED BY: Ben Quarles

DATE: 12-16-05

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** 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	2802.0	20.04	10107.4	Double, Clear	S	8.0	10.0	120.0	35.87	0.55	2380.9	
				Double, Clear	S	8.0	6.0	16.0	35.87	0.48	277.8	
				Double, Clear	S	8.0	6.0	8.0	35.87	0.48	138.9	
				Double, Clear	W	1.5	6.0	36.0	38.52	0.91	1266.7	
				Double, Clear	N	6.0	6.0	18.0	19.20	0.71	245.7	
				Double, Clear	N	12.0	10.0	60.0	19.20	0.68	783.5	
				Double, Clear	N	12.0	10.0	6.7	19.20	0.68	87.5	
				Double, Clear	E	1.5	7.0	90.0	42.06	0.94	3552.3	
				As-Built Total:				**354.7**			**8733.3**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	430.0	0.70	301.0	Frame, Wood, Exterior	13.0	1733.3	1.50	2600.0
Exterior	1733.3	1.70	2946.6	Frame, Wood, Adjacent	13.0	430.0	0.60	258.0
Base Total:	**2163.3**		**3247.6**	**As-Built Total:**		**2163.3**		**2858.0**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	1.60	32.0	Exterior Insulated	50.0	4.10	205.0
Exterior	70.0	4.10	287.0	Exterior Insulated	20.0	4.10	82.0
				Adjacent Insulated	20.0	1.60	32.0
Base Total:	**90.0**		**319.0**	**As-Built Total:**	**90.0**		**319.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2802.0	1.73	4847.5	Under Attic	30.0	2838.0	1.73 X 1.00	4909.7
Base Total:	**2802.0**		**4847.5**	**As-Built Total:**		**2838.0**		**4909.7**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	249.0(p)	-37.0	-9213.0	Slab-On-Grade Edge Insulation	0.0	249.0(p	-41.20	-10258.8
Raised	0.0	0.00	0.0					
Base Total:			**-9213.0**	**As-Built Total:**		**249.0**		**-10258.8**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	2802.0	10.21	28608.4	2802.0	10.21	28608.4

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** PERMIT #:

BASE			AS-BUILT						
Summer Base Points: 37916.9			**Summer As-Built Points:**						**35169.6**
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 55000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
			35170	1.00	(1.09 x 1.147 x 0.91)	0.341	1.000	13656.4	
37916.9	**0.4266**	**16175.3**	**35169.6**	**1.00**	**1.138**	**0.341**	**1.000**	**13656.4**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** PERMIT #:

BASE

GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points
.18 2802.0	12.74	6425.5

WALL TYPES	Area X	BWPM	= Points
Adjacent	430.0	3.60	1548.0
Exterior	1733.3	3.70	6413.2
Base Total:	**2163.3**		**7961.2**

DOOR TYPES	Area X	BWPM	= Points
Adjacent	20.0	8.00	160.0
Exterior	70.0	8.40	588.0
Base Total:	**90.0**		**748.0**

CEILING TYPES	Area X	BWPM	= Points
Under Attic	2802.0	2.05	5744.1
Base Total:	**2802.0**		**5744.1**

FLOOR TYPES	Area X	BWPM	= Points
Slab	249.0(p)	8.9	2216.1
Raised	0.0	0.00	0.0
Base Total:			**2216.1**

INFILTRATION	Area X	BWPM	= Points
	2802.0	-0.59	-1653.2

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF = Points
Double, Clear	S	8.0	10.0	120.0	13.30	2.38 3797.1
Double, Clear	S	8.0	6.0	16.0	13.30	3.15 670.1
Double, Clear	S	8.0	6.0	8.0	13.30	3.15 335.0
Double, Clear	W	1.5	6.0	36.0	20.73	1.02 763.7
Double, Clear	N	6.0	6.0	18.0	24.58	1.02 450.5
Double, Clear	N	12.0	10.0	60.0	24.58	1.02 1505.1
Double, Clear	N	12.0	10.0	6.7	24.58	1.02 168.1
Double, Clear	E	1.5	7.0	90.0	18.79	1.03 1736.3
As-Built Total:				**364.7**		**9425.9**

Type	R-Value	Area X	WPM	= Points
Frame, Wood, Exterior	13.0	1733.3	3.40	5893.2
Frame, Wood, Adjacent	13.0	430.0	3.30	1419.0
As-Built Total:		**2163.3**		**7312.2**

Type	Area X	WPM	= Points
Exterior Insulated	50.0	8.40	420.0
Exterior Insulated	20.0	8.40	168.0
Adjacent Insulated	20.0	8.00	160.0
As-Built Total:	**90.0**		**748.0**

Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	30.0	2838.0	2.05 X 1.00	5817.9
As-Built Total:		**2838.0**		**5817.9**

Type	R-Value	Area X	WPM	= Points
Slab-On-Grade Edge Insulation	0.0	249.0(p	18.80	4681.2
As-Built Total:		**249.0**		**4681.2**

	Area X	WPM	= Points
	2802.0	-0.59	-1653.2

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**21441.8**	**Winter As-Built Points:**						**26332.0**
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 55000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
			26332.0	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000	14907.9	
21441.8	**0.6274**	**13452.6**	**26332.0**	**1.00**	**1.162**	**0.487**	**1.000**	**14907.9**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
4		2635.00	10540.0	40.0	0.93	4	1.00	2606.67	1.00	10426.7
				As-Built Total:						**10426.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	Heating Points	Hot Water Points	Total Points	Cooling Points	Heating Points	Hot Water Points	Total Points
16175	**13453**	**10540**	**40168**	**13656**	**14908**	**10427**	**38991**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 3, Sub: Southern Landin, Plat: , , FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.4

The higher the score, the more efficient the home.

Hutchison Arthur & Bormolini, Arin, Lot: 3, Sub: Southern Landin, Plat: , , FL,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 55.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 10.00
4.	Number of Bedrooms	4			b. N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	2802 ft²			c. N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 354.7 ft²			a. Electric Heat Pump	Cap: 55.0 kBtu/hr
	b. SHGC:					HSPF: 7.00
	(or Clear or Tint DEFAULT) 7b.	(Clear) 354.7 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 249.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1733.3 ft²				EF: 0.93
	b. Frame, Wood, Adjacent	R=13.0, 430.0 ft²			b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 2838.0 ft²		15.	HVAC credits	
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 250.0 ft			MZ-C-Multizone cooling,	
	b. N/A				MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

Residential System Sizing Calculation

Summary

Hutchison Arthur & Bormolini, Arin
, FL

Project Title:
510191HutchisonArthur&Bormolini,Arin

Class 3 Rating
Registration No. 0
Climate: North

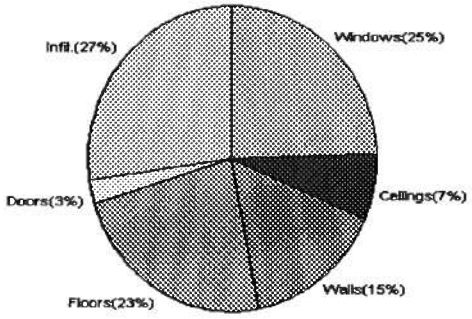
12/16/2005

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**46388**	**Btuh**	**Total cooling load calculation**	**39304**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	118.6	55000	Sensible (SHR = 0.75)	127.7	41250
Heat Pump + Auxiliary(0.0kW)	118.6	55000	Latent	196.4	13750
			Total (Electric Heat Pump)	139.9	55000

WINTER CALCULATIONS

Winter Heating Load (for 2802 sqft)

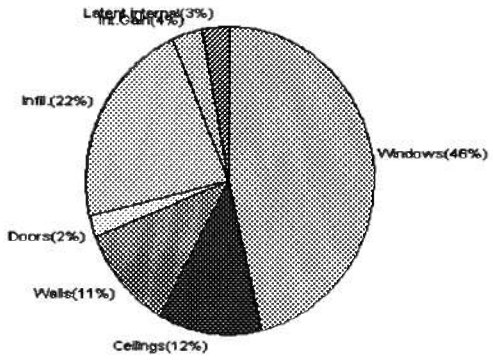
Load component			Load	
Window total	355	sqft	11418	Btuh
Wall total	2163	sqft	7104	Btuh
Door total	90	sqft	1166	Btuh
Ceiling total	2838	sqft	3344	Btuh
Floor total	249	sqft	10871	Btuh
Infiltration	308	cfm	12485	Btuh
Duct loss			0	Btuh
Subtotal			**46388**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**46388**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2802 sqft)

Load component			Load	
Window total	355	sqft	18121	Btuh
Wall total	2163	sqft	4264	Btuh
Door total	90	sqft	882	Btuh
Ceiling total	2838	sqft	4700	Btuh
Floor total			0	Btuh
Infiltration	159	cfm	2955	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**32302**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			5803	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**7003**	**Btuh**
TOTAL HEAT GAIN			**39304**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 12-16-05

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Hutchison Arthur & Bormolini, Arin
, FL

Project Title:
510191HutchisonArthur&Bormolini,Arin

Class 3 Rating
Registration No. 0
Climate: North

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

12/16/2005

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	120.0	32.2	3863 Btuh
2	2, Clear, Metal, 0.87	NW	16.0	32.2	515 Btuh
3	2, Clear, Metal, 0.87	NW	8.0	32.2	258 Btuh
4	2, Clear, Metal, 0.87	NE	36.0	32.2	1159 Btuh
5	2, Clear, Metal, 0.87	SE	18.0	32.2	579 Btuh
6	2, Clear, Metal, 0.87	SE	60.0	32.2	1931 Btuh
7	2, Clear, Metal, 0.87	SE	6.7	32.2	216 Btuh
8	2, Clear, Metal, 0.87	SW	90.0	32.2	2897 Btuh
	Window Total		355(sqft)		11418 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1733	3.3	5692 Btuh
2	Frame - Wood - Adj(0.09)	13.0	430	3.3	1412 Btuh
	Wall Total		2163		7104 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		50	12.9	648 Btuh
	Door Total		90		1166Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2838	1.2	3344 Btuh
	Ceiling Total		2838		3344Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	249.0 ft(p)	43.7	10871 Btuh
	Floor Total		249		10871 Btuh
			Zone Envelope Subtotal:		33903 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	28020	308.2	12485 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**46388 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Hutchison Arthur & Bormolini, Arin
, FL

Project Title:
510191HutchisonArthur&Bormolini,Arin

Class 3 Rating
Registration No. 0
Climate: North

12/16/2005

WHOLE HOUSE TOTALS

	Subtotal Sensible	46388 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	46388 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

Hutchison Arthur & Bormolini, Arin
, FL

Project Title:
510191HutchisonArthur&Bormolini,Arin

Class 3 Rating
Registration No. 0
Climate: North

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

12/16/2005

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	120.0	32.2	3863 Btuh
2	2, Clear, Metal, 0.87	NW	16.0	32.2	515 Btuh
3	2, Clear, Metal, 0.87	NW	8.0	32.2	258 Btuh
4	2, Clear, Metal, 0.87	NE	36.0	32.2	1159 Btuh
5	2, Clear, Metal, 0.87	SE	18.0	32.2	579 Btuh
6	2, Clear, Metal, 0.87	SE	60.0	32.2	1931 Btuh
7	2, Clear, Metal, 0.87	SE	6.7	32.2	216 Btuh
8	2, Clear, Metal, 0.87	SW	90.0	32.2	2897 Btuh
	Window Total		355(sqft)		11418 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1733	3.3	5692 Btuh
2	Frame - Wood - Adj(0.09)	13.0	430	3.3	1412 Btuh
	Wall Total		2163		7104 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		50	12.9	648 Btuh
	Door Total		90		1166Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2838	1.2	3344 Btuh
	Ceiling Total		2838		3344Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	249.0 ft(p)	43.7	10871 Btuh
	Floor Total		249		10871 Btuh
			Zone Envelope Subtotal:		33903 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	28020	308.2	12485 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**46388 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Hutchison Arthur & Bormolini, Arin
, FL

Project Title:
510191HutchisonArthur&Bormolini,Arin

Class 3 Rating
Registration No. 0
Climate: North

12/16/2005

WHOLE HOUSE TOTALS

	Subtotal Sensible	46388 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	46388 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

Hutchison Arthur & Bormolini, Arin
, FL

Project Title:
510191HutchisonArthur&Bormolini,Arin

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 12/16/2005

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	8ft.	10ft.	120.0	0.0	120.0	29	60	7204 Btuh
2	2, Clear, 0.87, None,N,N	NW	8ft.	6ft.	16.0	0.0	16.0	29	60	961 Btuh
3	2, Clear, 0.87, None,N,N	NW	8ft.	6ft.	8.0	0.0	8.0	29	60	480 Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	6ft.	36.0	0.0	36.0	29	60	2161 Btuh
5	2, Clear, 0.87, None,N,N	SE	6ft.	6ft.	18.0	18.0	0.0	29	63	521 Btuh
6	2, Clear, 0.87, None,N,N	SE	12ft.	10ft.	60.0	60.0	0.0	29	63	1738 Btuh
7	2, Clear, 0.87, None,N,N	SE	12ft.	10ft.	6.7	6.7	0.0	29	63	194 Btuh
8	2, Clear, 0.87, None,N,N	SW	1.5ft.	7ft.	90.0	22.8	67.2	29	63	4861 Btuh
	Window Total				355 (sqft)					18121 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1733.3	2.1	3615 Btuh
2	Frame - Wood - Adj	13.0/0.09	430.0	1.5	649 Btuh
	Wall Total		2163 (sqft)		4264 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	50.0	9.8	490 Btuh
	Door Total	90 (sqft)		882 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2838.0	1.7	4700 Btuh
	Ceiling Total		2838 (sqft)		4700 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	249 (ft(p))	0.0	0 Btuh
	Floor Total		249.0 (sqft)		0 Btuh

				Zone Envelope Subtotal:	27967 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	28020	158.8	2955 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	0	1380 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
				Sensible Zone Load	**32302 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Hutchison Arthur & Bormolini, Arin
, FL

Project Title:
510191HutchisonArthur&Bormolini,Arin

Class 3 Rating
Registration No. 0
Climate: North

12/16/2005

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**32302 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**32302 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**32302 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	5803 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	**7003 Btuh**
	TOTAL GAIN	**39304 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

Hutchison Arthur & Bormolini, Arin
, FL

Project Title:
510191HutchisonArthur&Bormolini,Arin

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 12/16/2005

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	8ft.	10ft.	120.0	0.0	120.0	29	60	7204 Btuh
2	2, Clear, 0.87, None,N,N	NW	8ft.	6ft.	16.0	0.0	16.0	29	60	961 Btuh
3	2, Clear, 0.87, None,N,N	NW	8ft.	6ft.	8.0	0.0	8.0	29	60	480 Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	6ft.	36.0	0.0	36.0	29	60	2161 Btuh
5	2, Clear, 0.87, None,N,N	SE	6ft.	6ft.	18.0	18.0	0.0	29	63	521 Btuh
6	2, Clear, 0.87, None,N,N	SE	12ft.	10ft.	60.0	60.0	0.0	29	63	1738 Btuh
7	2, Clear, 0.87, None,N,N	SE	12ft.	10ft.	6.7	6.7	0.0	29	63	194 Btuh
8	2, Clear, 0.87, None,N,N	SW	1.5ft.	7ft.	90.0	22.8	67.2	29	63	4861 Btuh
	Window Total				355 (sqft)					18121 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1733.3	2.1	3615 Btuh
2	Frame - Wood - Adj	13.0/0.09	430.0	1.5	649 Btuh
	Wall Total		2163 (sqft)		4264 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	50.0	9.8	490 Btuh
	Door Total	90 (sqft)		882 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2838.0	1.7	4700 Btuh
	Ceiling Total		2838 (sqft)		4700 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	249 (ft(p))	0.0	0 Btuh
	Floor Total		249.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:		27967 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	28020	158.8	2955 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 230 +	0	1380 Btuh

Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh
	Sensible Zone Load		**32302 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Hutchison Arthur & Bormolini, Arin
, FL

Project Title:
510191HutchisonArthur&Bormolini,Arin

Class 3 Rating
Registration No. 0
Climate: North

12/16/2005

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**32302 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**32302 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**32302 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	5803 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	**7003 Btuh**
	TOTAL GAIN	**39304 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

Hutchison Arthur & Bormolini, Arin

, FL

Project Title:
510191HutchisonArthur&Bormolini,Arin

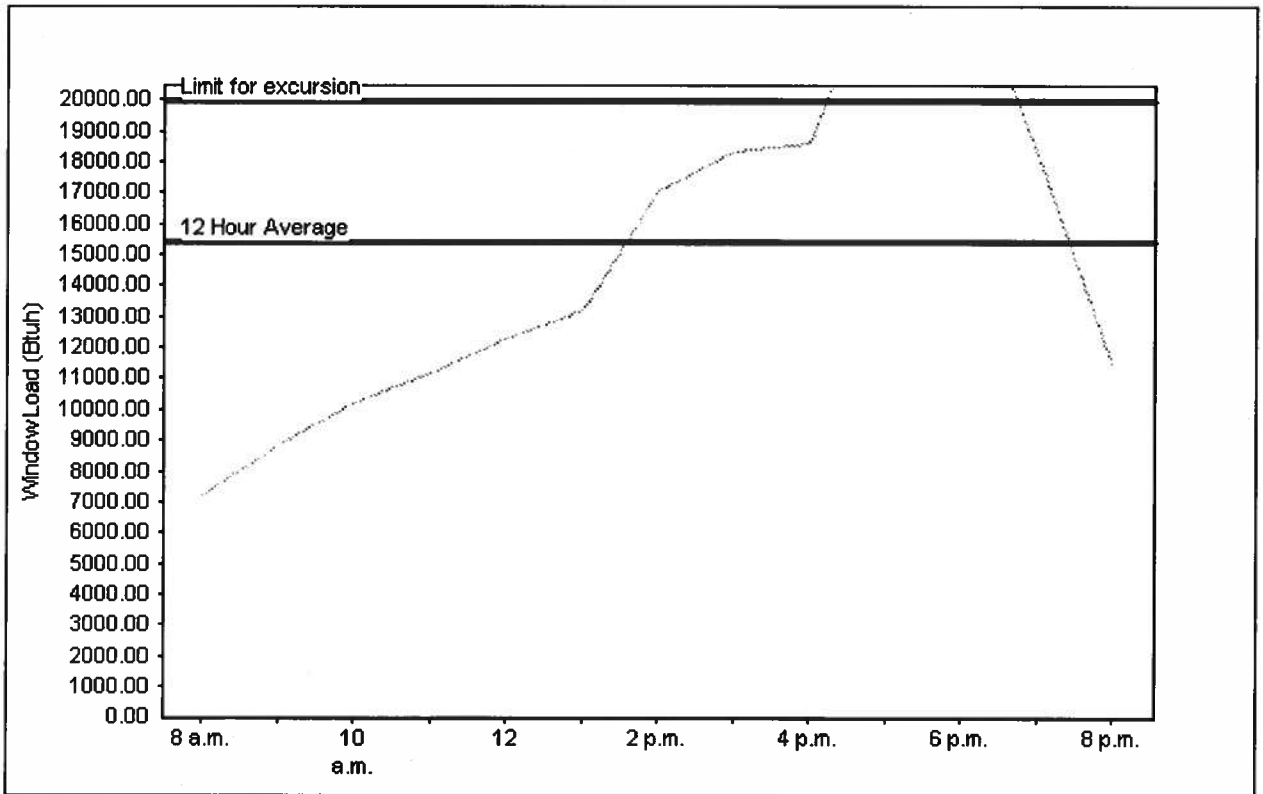
Class 3 Rating
Registration No. 0
Climate: North

12/16/2005

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	15360 Btu
Summer setpoint	75 F	Peak window load for July	25200 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	19968 Btu
Latitude	29 North	Window excursion (July)	5232 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 12-16-05

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SSO215-Z1305112425

Truss Fabricator:	W.B. Howland
Job Identification:	3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL
Truss Count:	41
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.20.
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

Seal Date: 12/05/2005

-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: CNBRGBLK-BRCLBSUB

#	Ref	Description	Drawing#	Date
1	01831-A1HG	(2-PLY) 53'	05339044	12/05/05
2	01832-A2	53'4" Mono Hi	05339045	12/05/05
3	01833-A3	53'4" Mono Hi	05339058	12/05/05
4	01834-A4	53'4" Mono Hi	05339118	12/05/05
5	01835-A5	53'4" Mono Hi	05339068	12/05/05
6	01836-A6	53'4" Mono Hi	05339069	12/05/05
7	01837-A7	53'4" Stepdow	05339073	12/05/05
8	01838-A8	53'4" Stepdow	05339076	12/05/05
9	01839-A9	53'4" Stepdow	05339080	12/05/05
10	01840-A10	53'4" Specia	05339087	12/05/05
11	01841-A11	53'4" Specia	05339132	12/05/05
12	01842-A12	53'4" Specia	05339089	12/05/05
13	01843-A13	53'4" Specia	05339090	12/05/05
14	01844-A14	53'4" Specia	05339092	12/05/05
15	01845-A15	53'4" Specia	05339098	12/05/05
16	01846-A16	53'4" Stepdo	05339102	12/05/05
17	01847-A17	53'4" Stepdo	05339103	12/05/05
18	01848-A18	53'4" Stepdo	05339104	12/05/05
19	01849-A19	53'4" Stepdo	05339107	12/05/05
20	01850-A20	53'4" Stepdo	05339109	12/05/05
21	01851-A21	53'4" Stepdo	05339112	12/05/05
22	01852-A22	53'4" Stepdo	05339113	12/05/05
23	01853-A23	53'4" Stepdo	05339114	12/05/05
24	01854-A24HG	(2-PLY) 53	05339115	12/05/05
25	01855-B1HG	(2-PLY) 37'	05339116	12/05/05
26	01856--B2	37'8" Common	05339117	12/05/05
27	01857--B3	37'8" Common	05339042	12/05/05
28	01858-B4G	(3-PLY) 37'8	05339136	12/05/05
29	01859--J1	1' Jack	05339119	12/05/05
30	01860--J2	5' Jack	05339120	12/05/05
31	01861--J3	3' Jack	05339121	12/05/05
32	01862--J4	7' End Jack	05339122	12/05/05
33	01863--J5	5' Jack	05339123	12/05/05
34	01864--JE3	3' End Jack	05339124	12/05/05
35	01865--JE7	7' End Jack	05339125	12/05/05
36	01866-JH3	4'2"15 Hip J	05339126	12/05/05
37	01867-JH4	4'2"15 Hip J	05339127	12/05/05
38	01868-JH7	9'10"13 Hip	05339128	12/05/05
39	01869-PBA1	11'4" Commo	05339129	12/05/05
40	01870-PBA2	11'4" Stepd	05339130	12/05/05
41	01871-PBA3	11'4" Stepd	05339131	12/05/05

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1SSO215-Z1305112425

Truss Fabricator:	W.B. Howland
Job Identification:	3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL
Truss Count:	4
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.20.
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: 12/05/2005

-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	01844-A14	53'4" Specia	05339092	12/05/05
2	01851-A21	53'4" Stepdo	05339112	12/05/05
3	01856--B2	37'8" Common	05339117	12/05/05
4	01871-PBA3	11'4" Stepd	05339131	12/05/05

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A1HG (2-PLY) 53'4" Mono Hip Girder)

Top chord 2x6 SP #2 N
Bot chord 2x6 SP #2 N :B3, B4 2x6 SP SS:
Webs 2x4 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
1	8.000'	1	12"	10	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.

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

The overall height of this truss excluding overhang is 2-0-6.

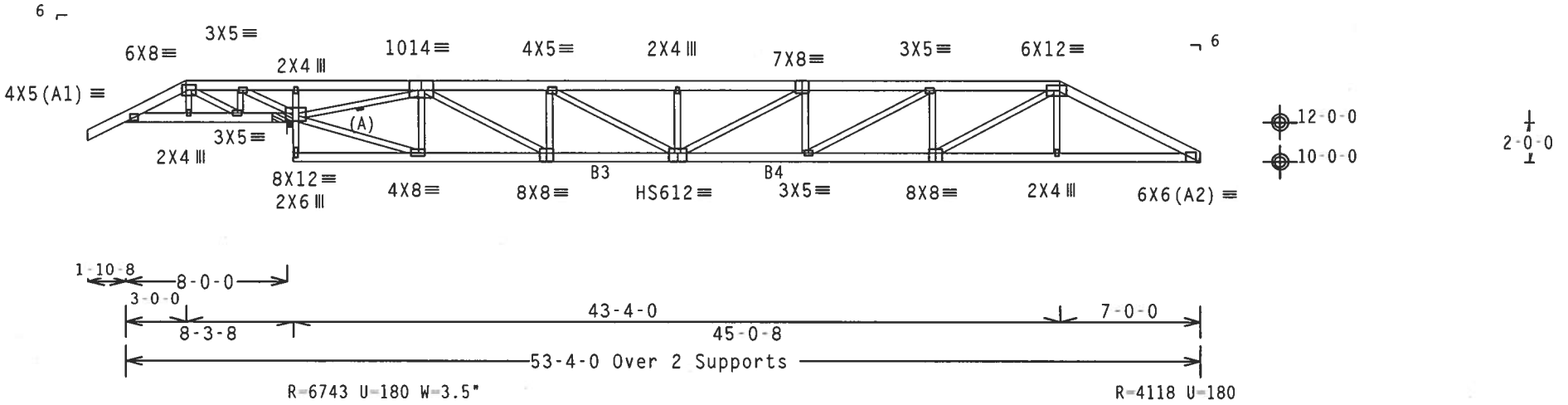
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)
Top Chord: 1 Row @ 4.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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 3-0-0 jacks at left end and 7-0-0 jacks at right end. Jacks have 2 panel TC and no end vertical.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/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. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05 '05

TC LL	20.0 PSF	REF	R215-- 1831
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339044
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96977
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A2 53'4" Mono Hip)

Top chord 2x6 SP #2 N :T4 2x6 SP SS:
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.

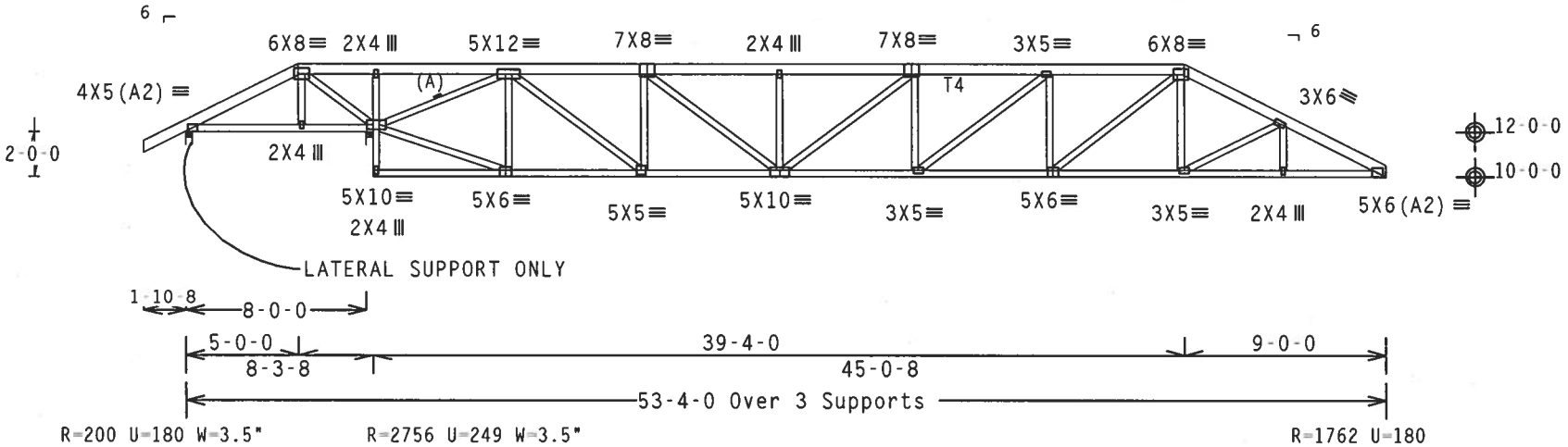
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 3-0-6.

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 QTY:1 FL/-/5/-/-/R/- Scale =.125"/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
Dec 05, 2005

TC LL	20.0 PSF	REF	R215-- 1832
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339045
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96983
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A3 53'4" Mono Hip)

Top chord 2x6 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.

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

The overall height of this truss excluding overhang is 4-0-6.

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

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

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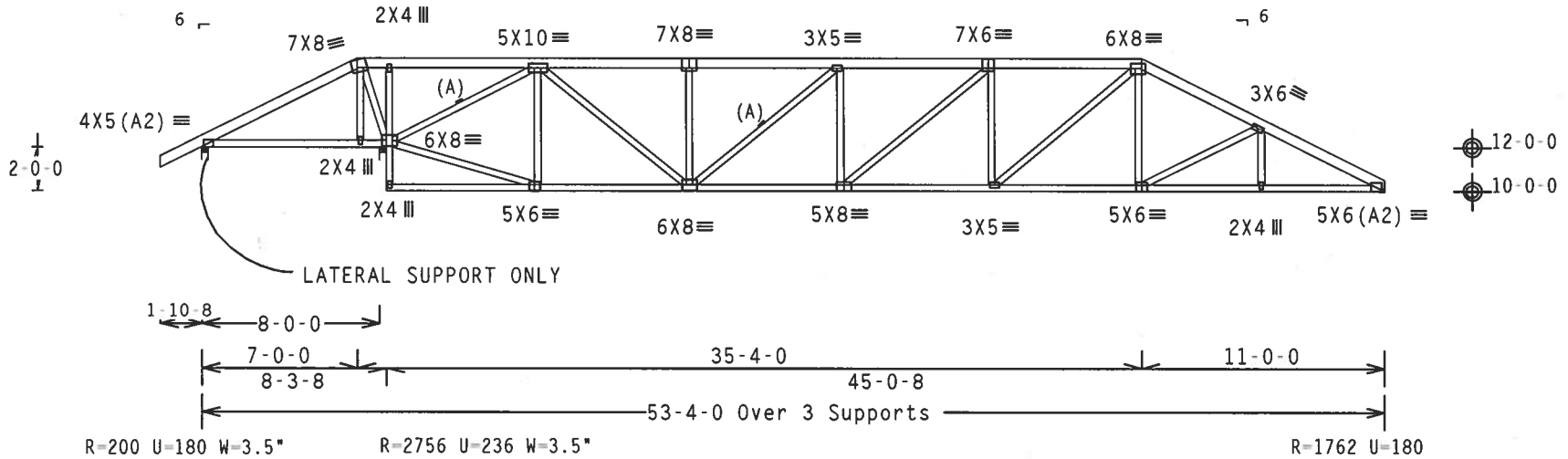

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

TC LL	20.0 PSF	REF	R215-- 1833
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339058
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96989
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A4 53'4" Mono Hip)

Top chord 2x6 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.

The overall height of this truss excluding overhang is 5-0-6.

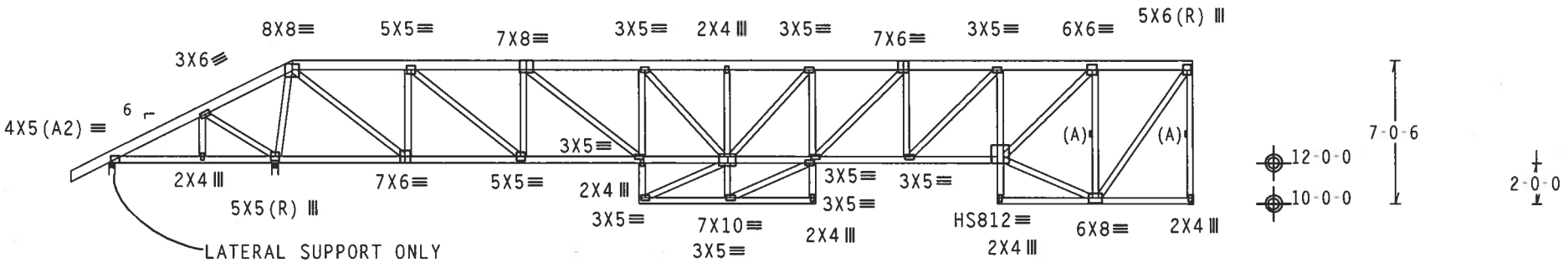
SEE DWGS BCFILLER1103 FOR FILLER DETAILS.
LATERALY BRACE BOTTOM CHORD ABOVE FILLER @24"OC.
INCLUDING A LATERAL BRACE AT CHORD ENDS.

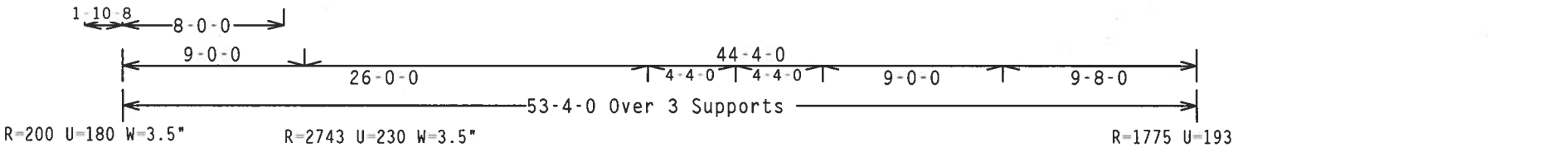
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 1[illegible] QTY:1 FL/-/5/-/-/R/- Scale =.125"/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
Dec 05 [illegible]

TC LL	20.0 PSF	REF	R215-- 1834
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339118
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96994
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A5 53'4" Mono Hip)

Top chord 2x6 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.

The overall height of this truss excluding overhang is 6-0-6.

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

Right end vertical not exposed to wind pressure.

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

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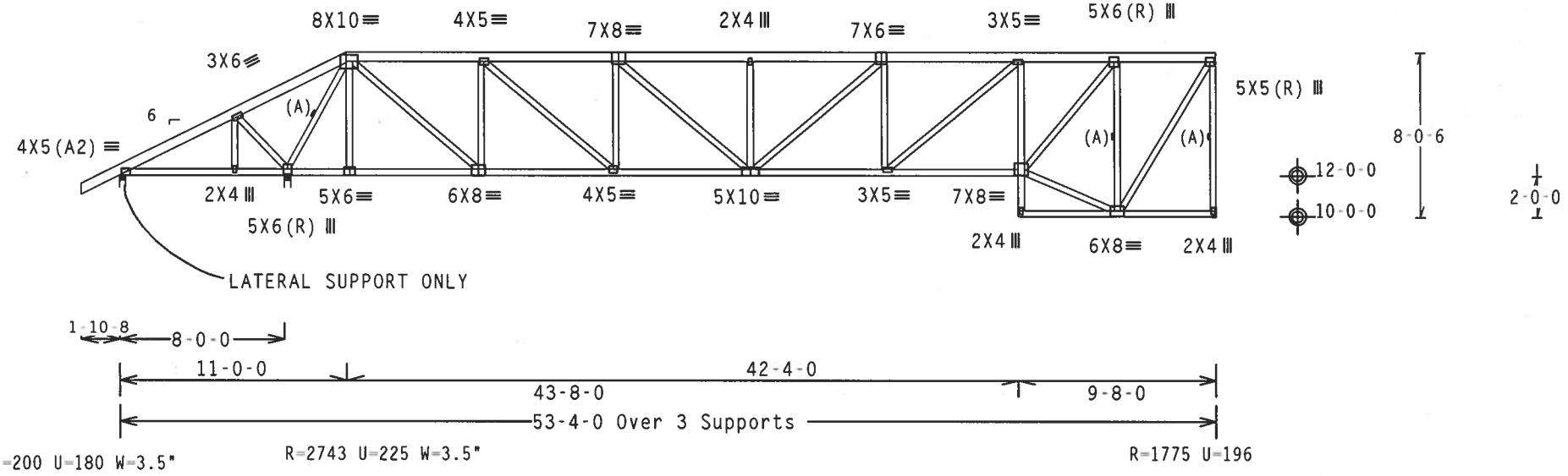


Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/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

Dec 05-05

TC LL	20.0 PSF	REF	R215-- 1835
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339068
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96999
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A6 53'4" Mono Hip)

Top chord 2x6 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.

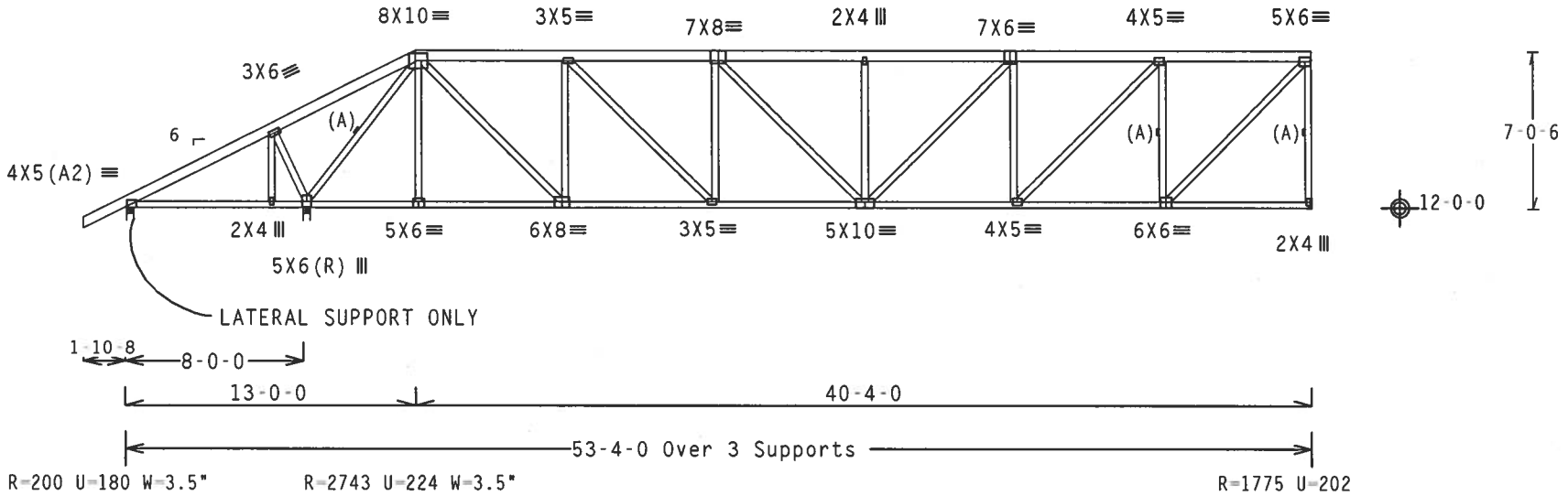
The overall height of this truss excluding overhang is 7-0-6.

110 mph wind, 15.31 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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1950 Marley Drive
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JAMES F. COLLINS, JR. LICENSE No. 52272 STATE OF FLORIDA PROFESSIONAL ENGINEER

Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1836
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339069
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	97004
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A7 53'4" Stepdown Hip)

Top chord 2x6 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.

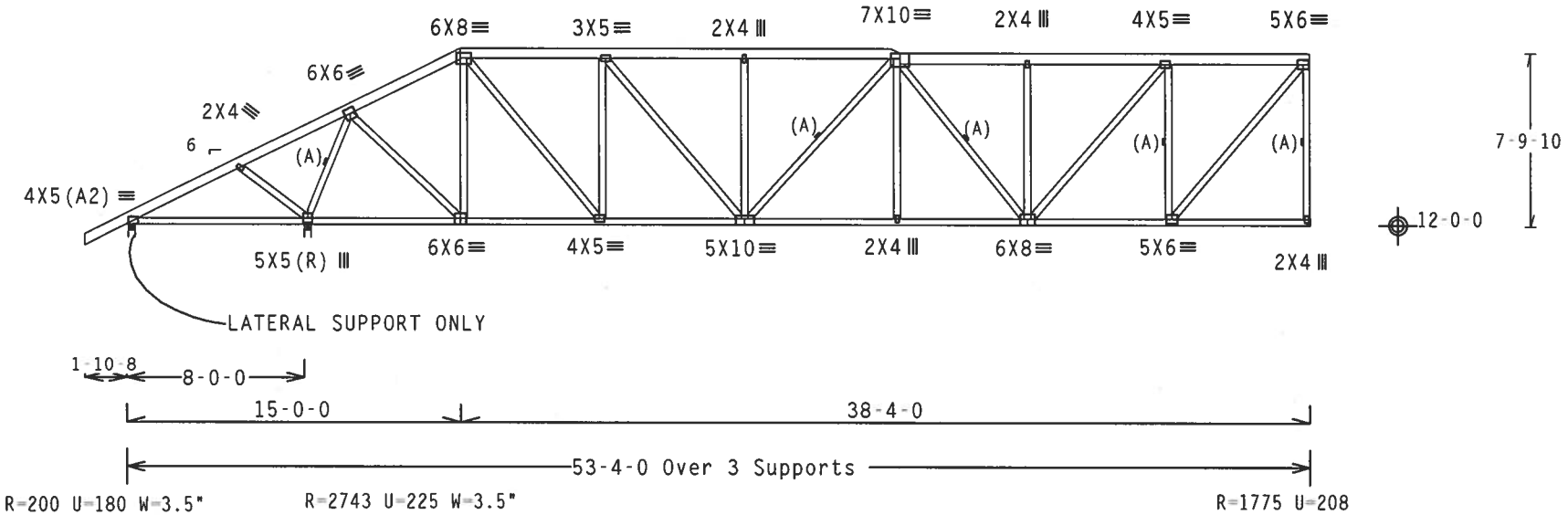
The overall height of this truss excluding overhang is 8-0-6.

110 mph wind, 15.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/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
Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1837
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339073
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	97009
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A8 53'4" Stepdown Hip)

Top chord 2x6 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.

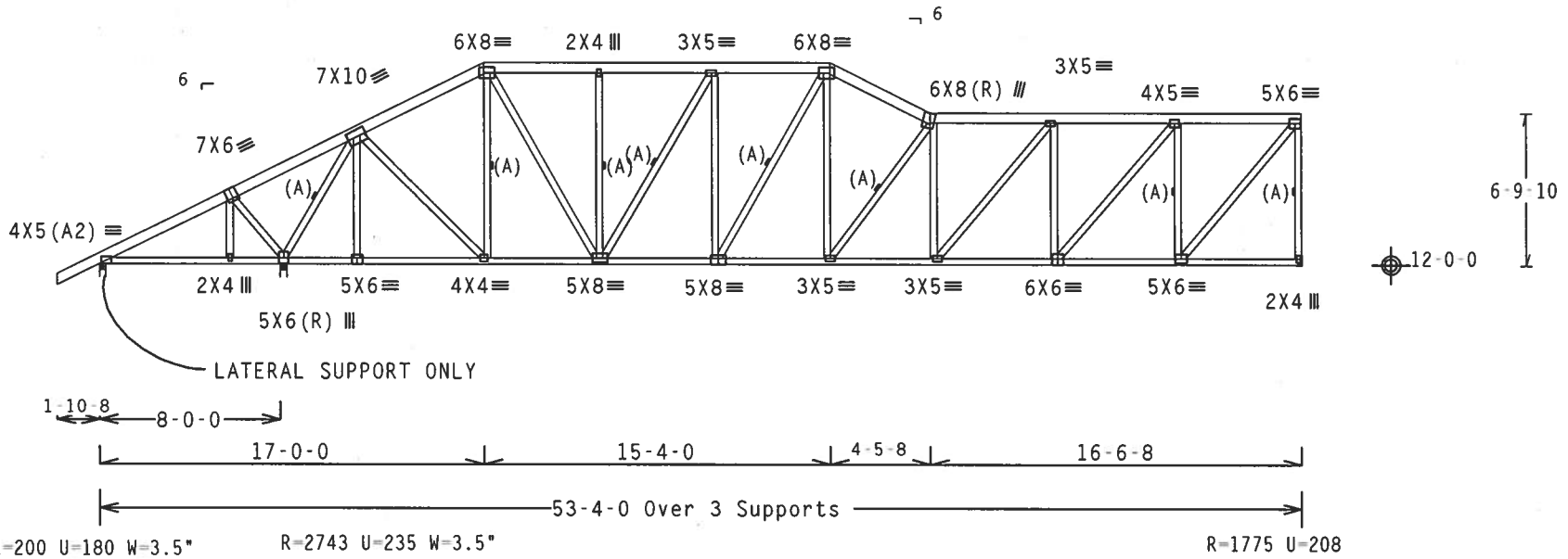
The overall height of this truss excluding overhang is 9-0-6.

110 mph wind, 16.31 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
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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
Dec 6,

TC LL	20.0 PSF	REF	R215-- 1838
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339076
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	97014
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A9 53'4" Stepdown Hip)

Top chord 2x6 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.

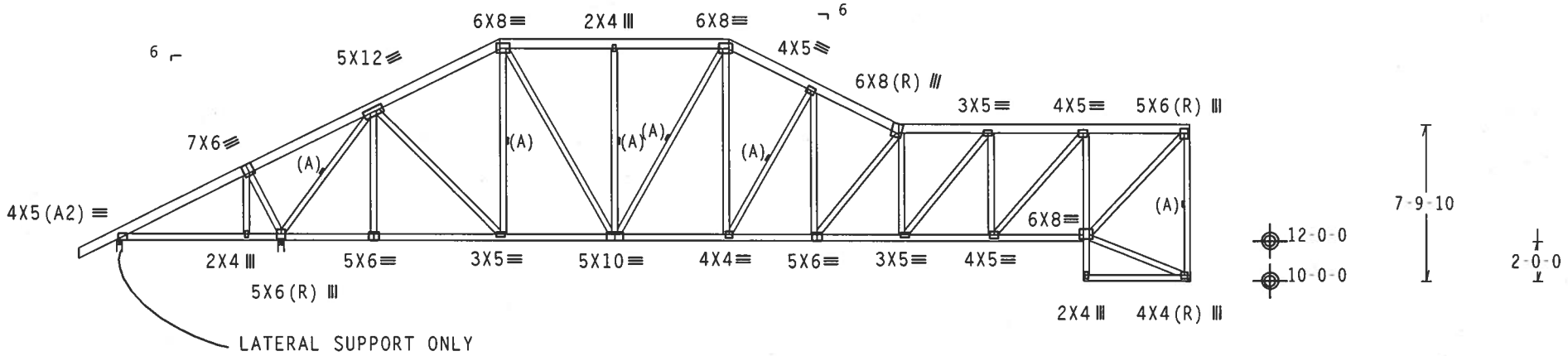
The overall height of this truss excluding overhang is 10-0-6.

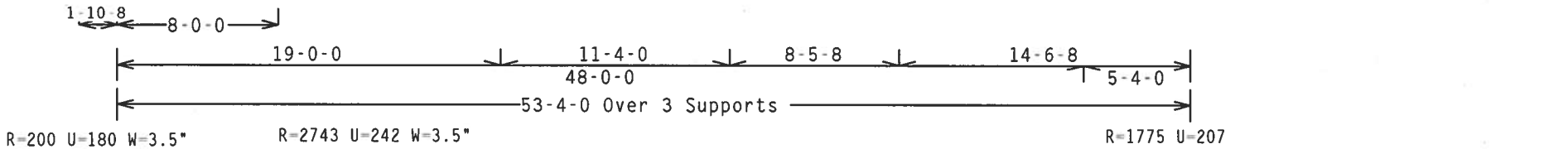
110 mph wind, 16.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 [illegible] QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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

Dec 05 '05

TC LL	20.0 PSF	REF	R215-- 1839
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339080
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	97019
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A10 53'4" Special)

Top chord 2x6 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.

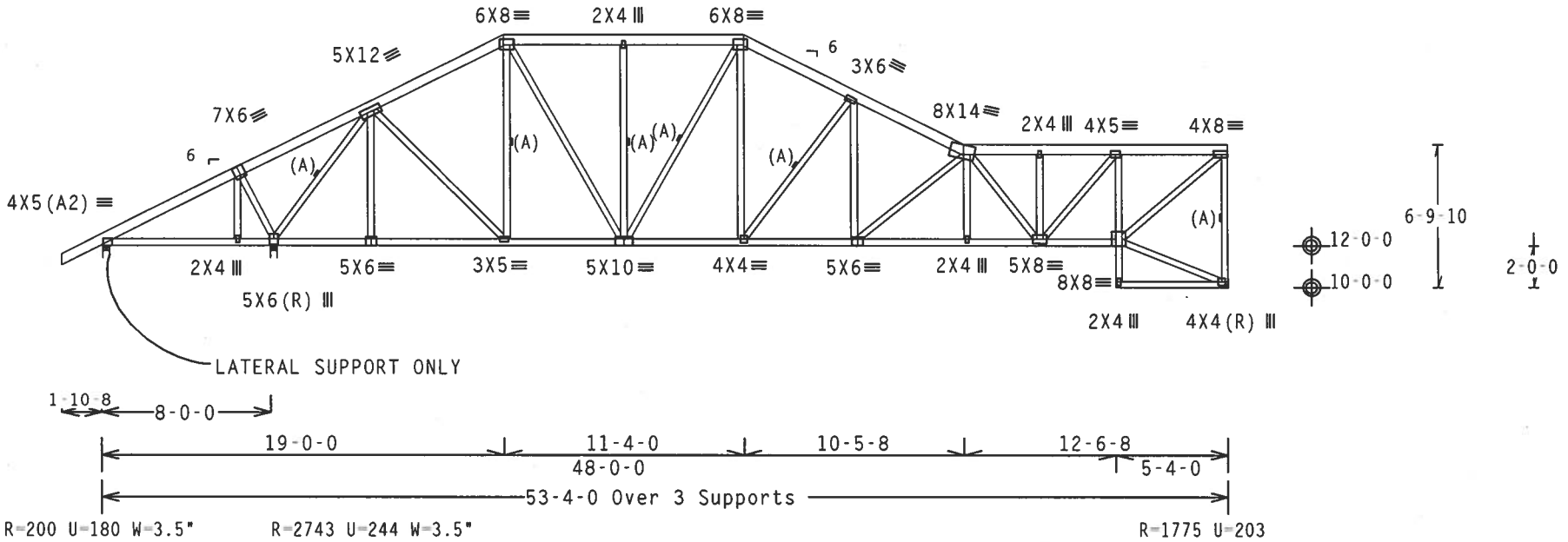
The overall height of this truss excluding overhang is 10-0-6.

110 mph wind, 16.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.19 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
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Haines City, FL 33844
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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec

TC LL	20.0 PSF	REF	R215-- 1840
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339087
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	97034
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A11 53'4" Special)

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

Calculated horizontal deflection is 0.12" due to live load and 0.13" due to dead load.

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

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110 mph wind, 16.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

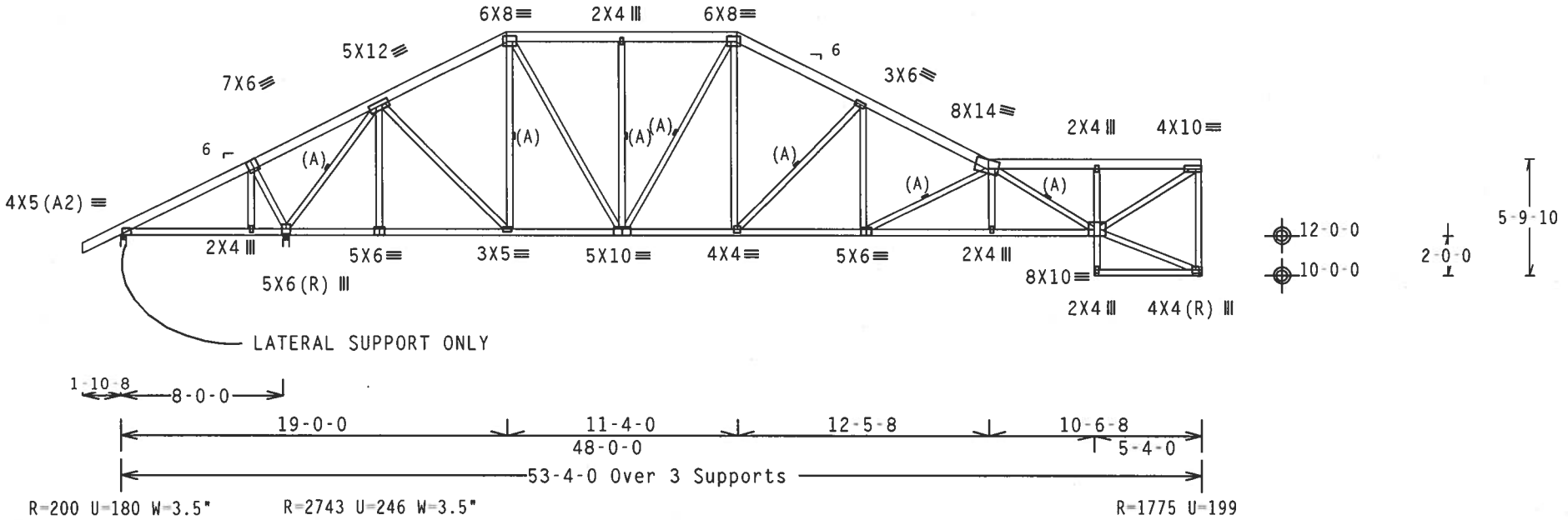
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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

The overall height of this truss excluding overhang is 10-0-6.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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JAMES F. COLLINS, JR. LICENSE No. 62212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05-05

TC LL	20.0 PSF	REF	R215-- 1841
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339132
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	97039
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A12 53'4" Special)

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

Calculated horizontal deflection is 0.15" due to live load and 0.16" due to dead load.

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

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

110 mph wind, 16.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

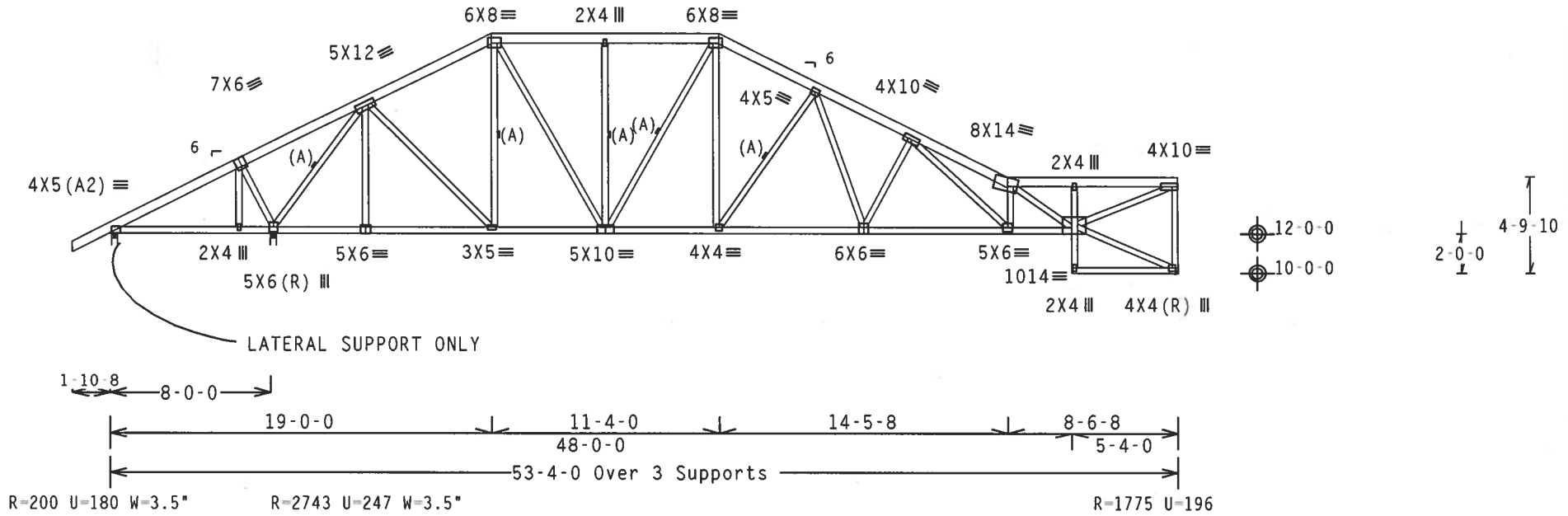
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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

The overall height of this truss excluding overhang is 10-0-6.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.19 QTY:1 FL/-/5/-/-/R/- Scale =.125"/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

Dec 0[illegible]

TC LL	20.0 PSF	REF R215-- 1842
TC DL	10.0 PSF	DATE 12/05/05
BC DL	10.0 PSF	DRW HCUSR215 05339089
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 97044
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A13 53'4" Special)

Top chord 2x6 SP #2 N
Bot chord 2x4 SP #2 N :B6 2x4 SP SS:
Webs 2x4 SP #2 N

Calculated horizontal deflection is 0.15" due to live load and 0.16" due to dead load.

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

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

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

110 mph wind, 16.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

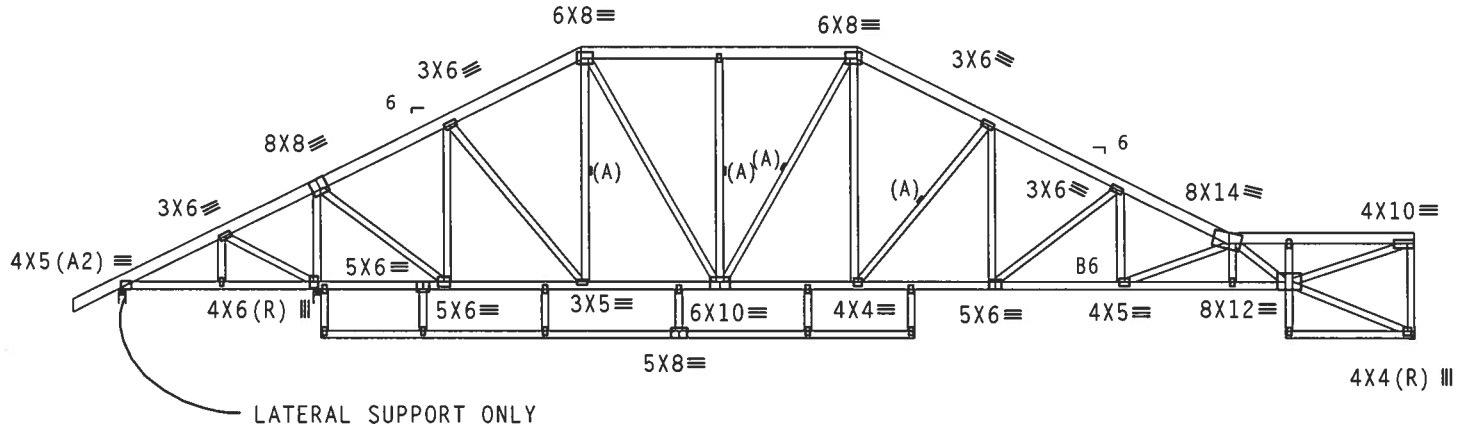
Right end vertical not exposed to wind pressure.

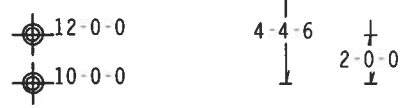
(A) Continuous lateral bracing equally spaced on member.

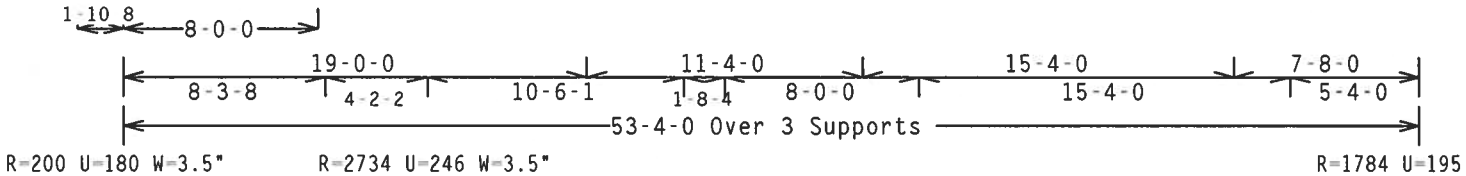
Deflection meets L/360 live and L/240 total load.

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

The overall height of this truss excluding overhang is 10-0-6.







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) 7.20.0918.10 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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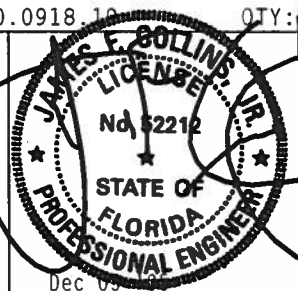


Dec 09 [illegible]

TC LL	20.0 PSF	REF	R215-- 1843
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339090
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	97050
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A14 53'4" Special)

Top chord 2x6 SP #2 N :T5 2x6 SP SS:
Bot chord 2x4 SP #2 N :B6 2x4 SP SS:
Webs 2x4 SP #2 N :W21 2x6 SP #2 N:

Calculated horizontal deflection is 0.23" due to live load and 0.24" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

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

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

The overall height of this truss excluding overhang is 10-0-6.

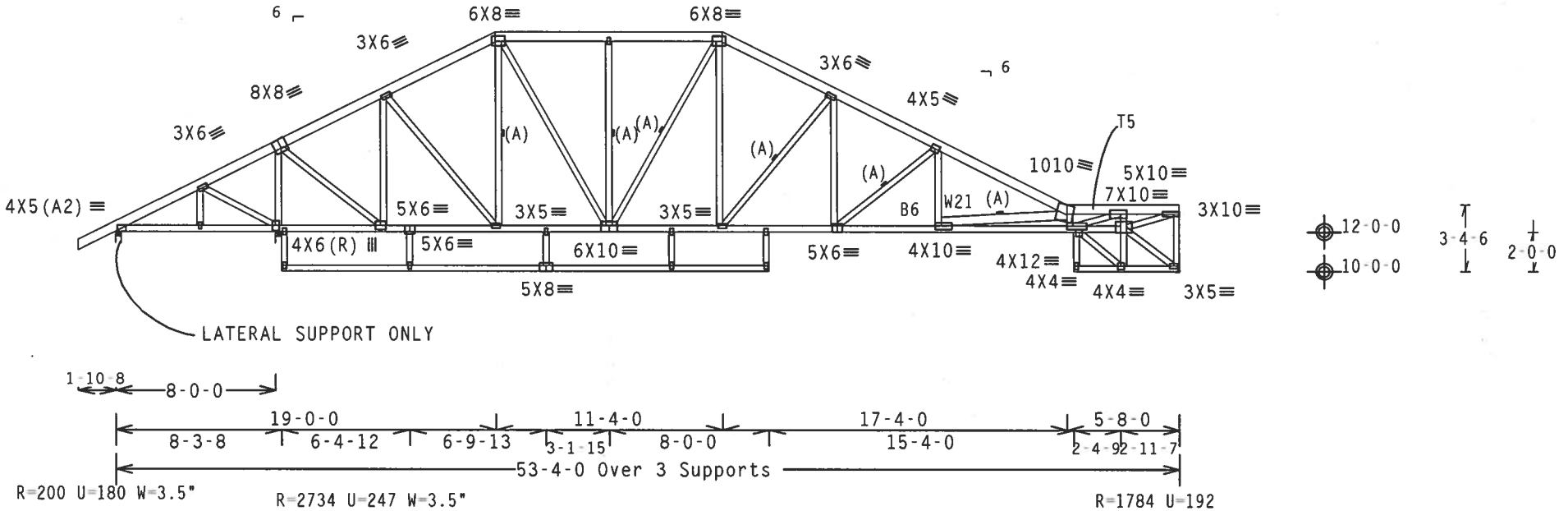
SEE DWGS BCFILLER1103 FOR FILLER DETAILS.
LATERALY BRACE BOTTOM CHORD ABOVE FILLER @24"OC.
INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 16.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
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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
Dec 09 05

TC LL	20.0 PSF	REF R215-- 1844
TC DL	10.0 PSF	DATE 12/05/05
BC DL	10.0 PSF	DRW HCUSR215 05339092
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 97073 REV
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A15 53'4" Special)

Top chord 2x6 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.

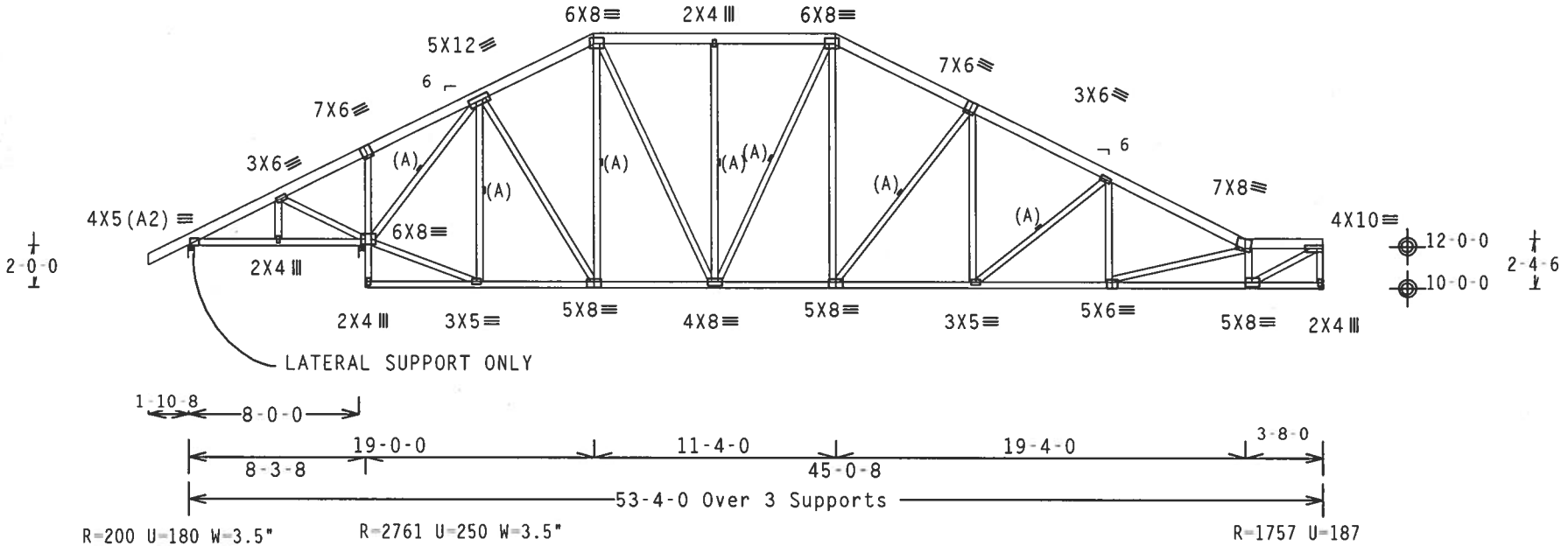
The overall height of this truss excluding overhang is 10-0-6.

110 mph wind, 16.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1845
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339098
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	97079
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A16 53'4" Stepdown Hip)

Top chord 2x6 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.

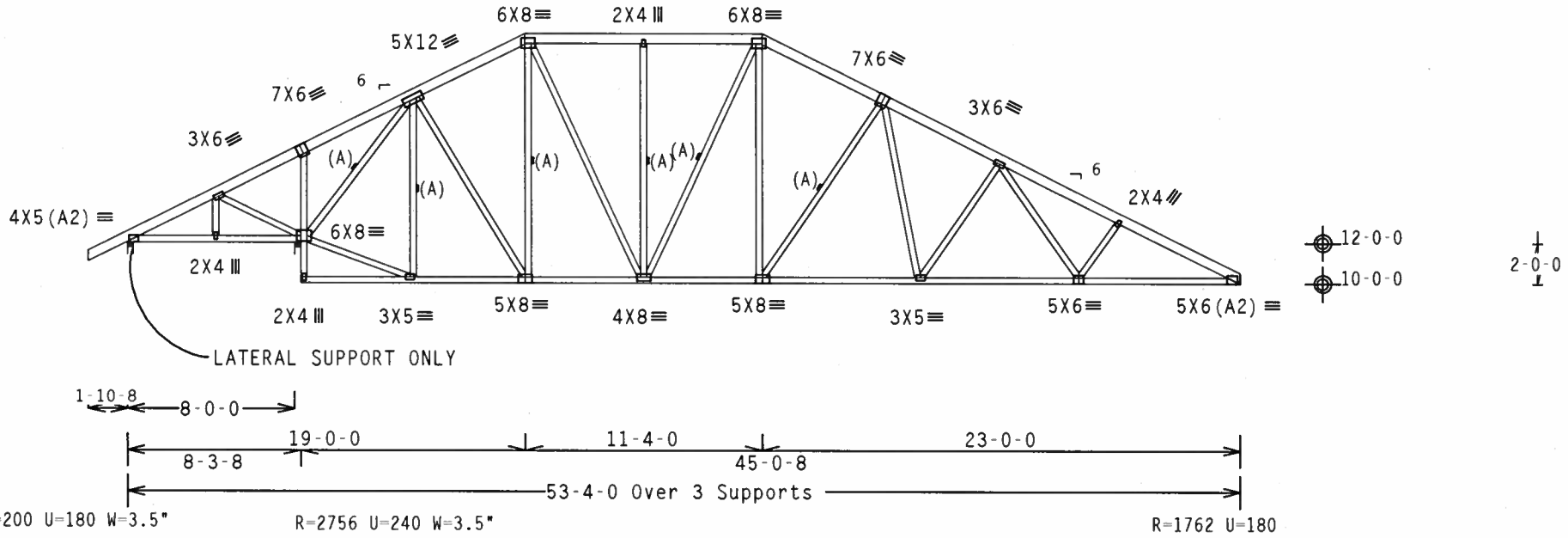
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 10-0-6.

110 mph wind, 16.28 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

Dec

TC LL	20.0 PSF	REF	R215-- 1846
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339102
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96968
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A17 53'4" Stepdown Hip)

Top chord 2x6 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.

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

The overall height of this truss excluding overhang is 9-0-6.

110 mph wind, 15.78 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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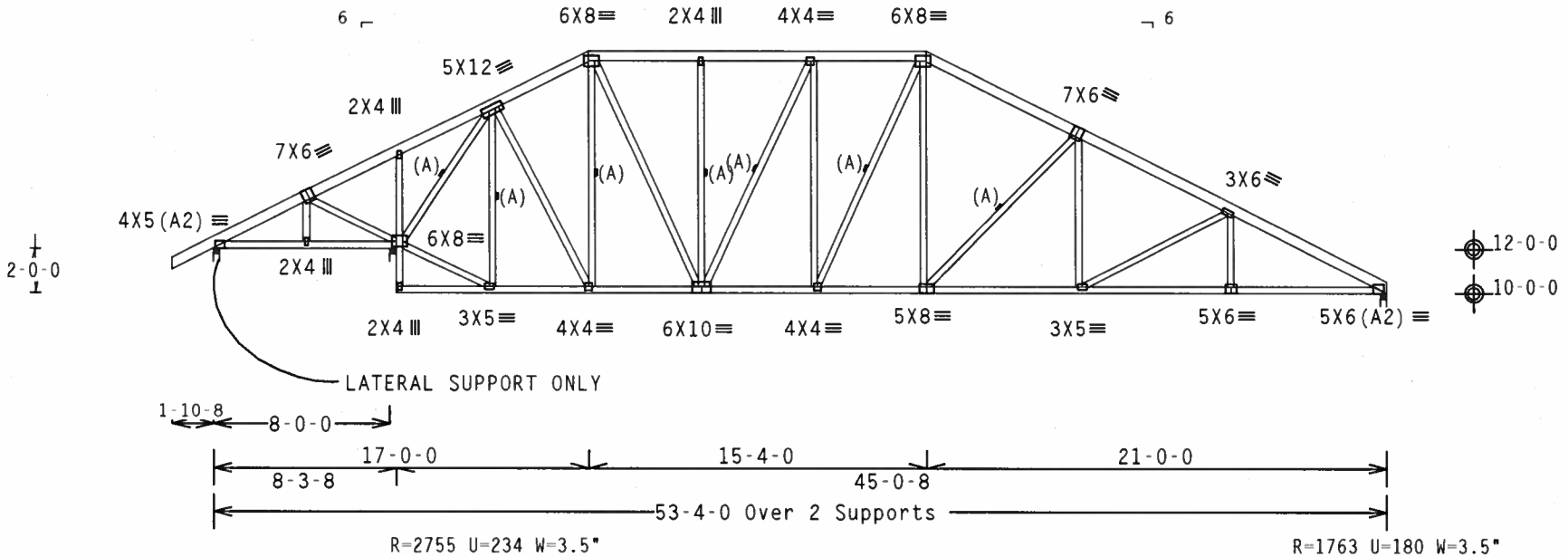

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

Design

TC LL	20.0 PSF	REF	R215-- 1847
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339103
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96962
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A18 53'4" Stepdown Hip)

Top chord 2x6 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.

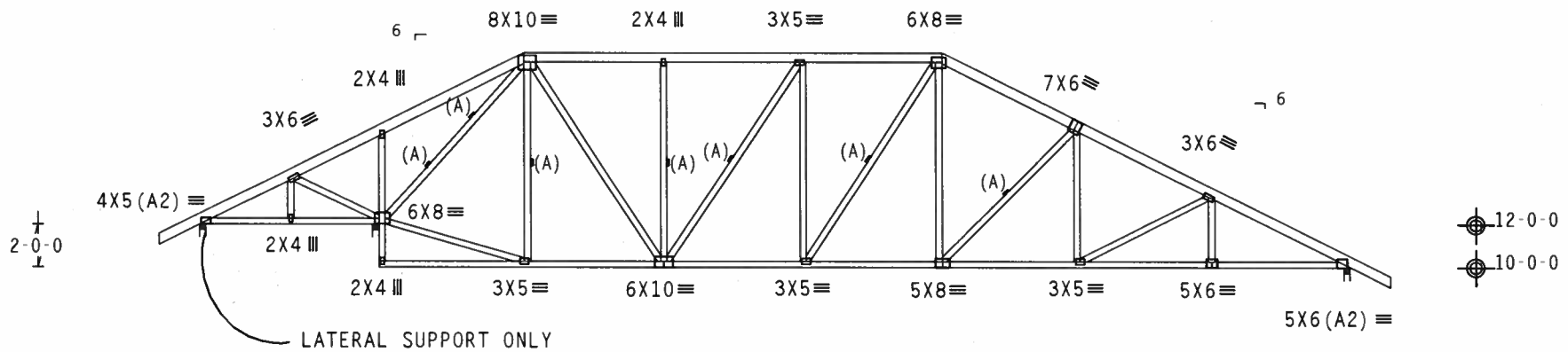
Plates sized for a minimum of 3.00 sq.in./piece.

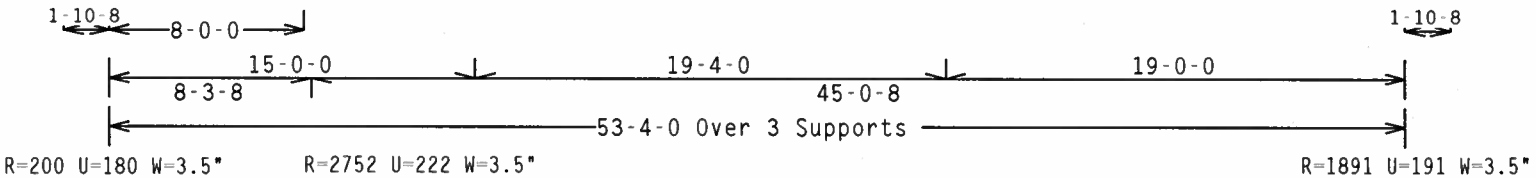
The overall height of this truss excluding overhang is 8-0-6.

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

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/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

Dec 05-05

TC LL	20.0 PSF	REF R215-- 1848
TC DL	10.0 PSF	DATE 12/05/05
BC DL	10.0 PSF	DRW HCUSR215 05339104
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 96957
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A19 53'4" Stepdown Hip)

Top chord 2x6 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.

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

The overall height of this truss excluding overhang is 7-0-6.

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

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

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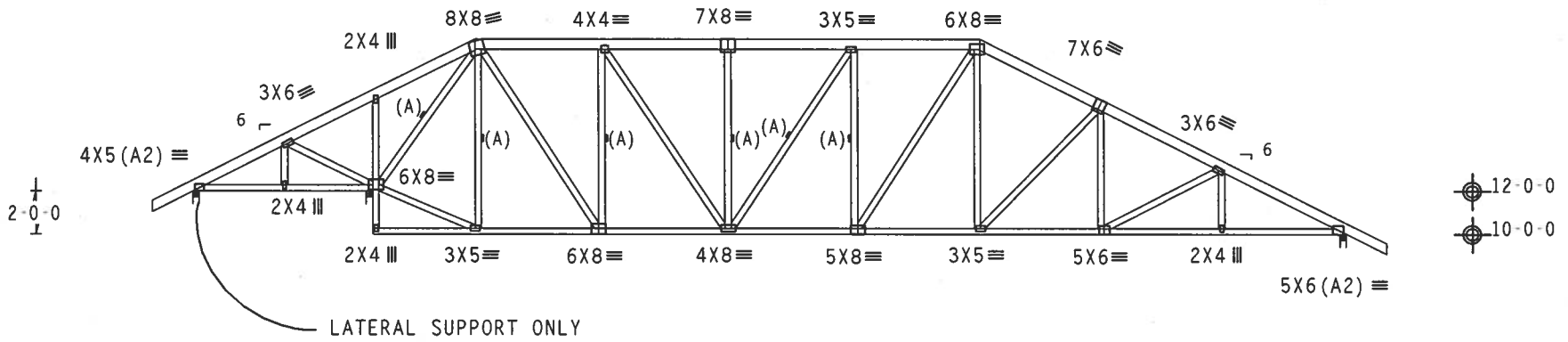

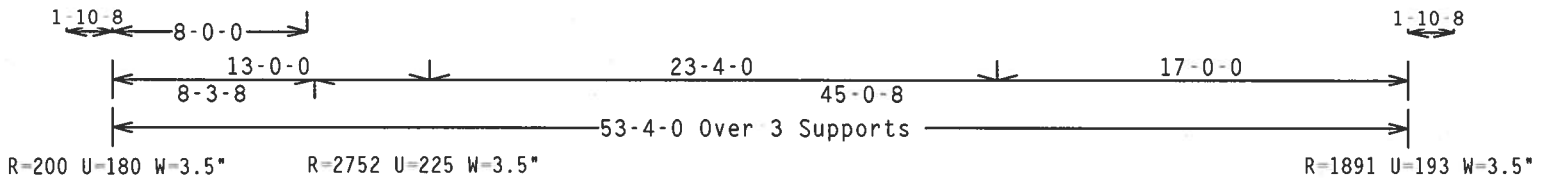

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

TC LL	20.0 PSF	REF	R215-- 1849
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339107
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96952
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A20 53'4" Stepdown Hip)

Top chord 2x6 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.

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

The overall height of this truss excluding overhang is 6-0-6.

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

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

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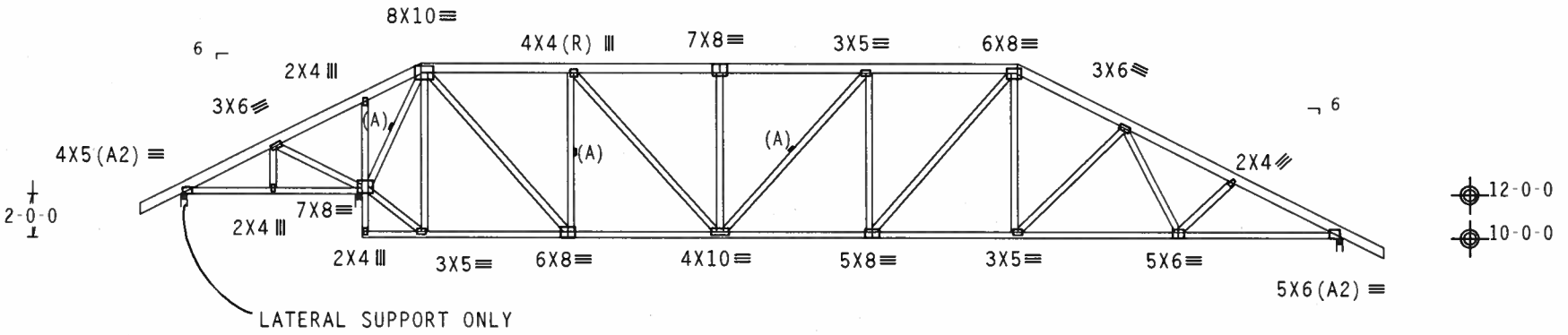

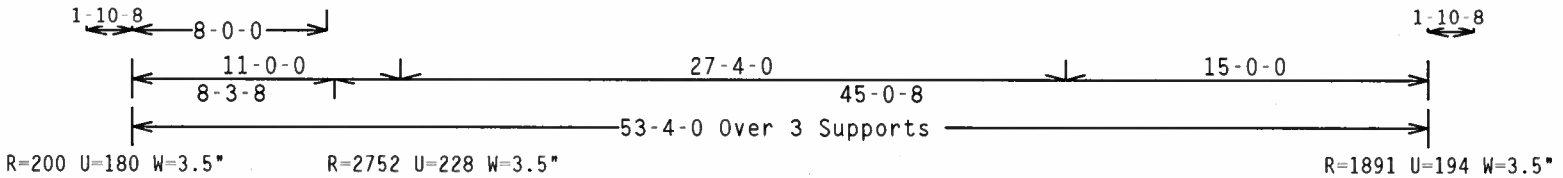

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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JAMES F. COLLINS, JR. LICENSE No 52210 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec

TC LL	20.0 PSF	REF R215-- 1850
TC DL	10.0 PSF	DATE 12/05/05
BC DL	10.0 PSF	DRW HCUSR215 05339109
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 96947
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A21 53'4" Stepdown Hip)

Top chord 2x6 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.

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

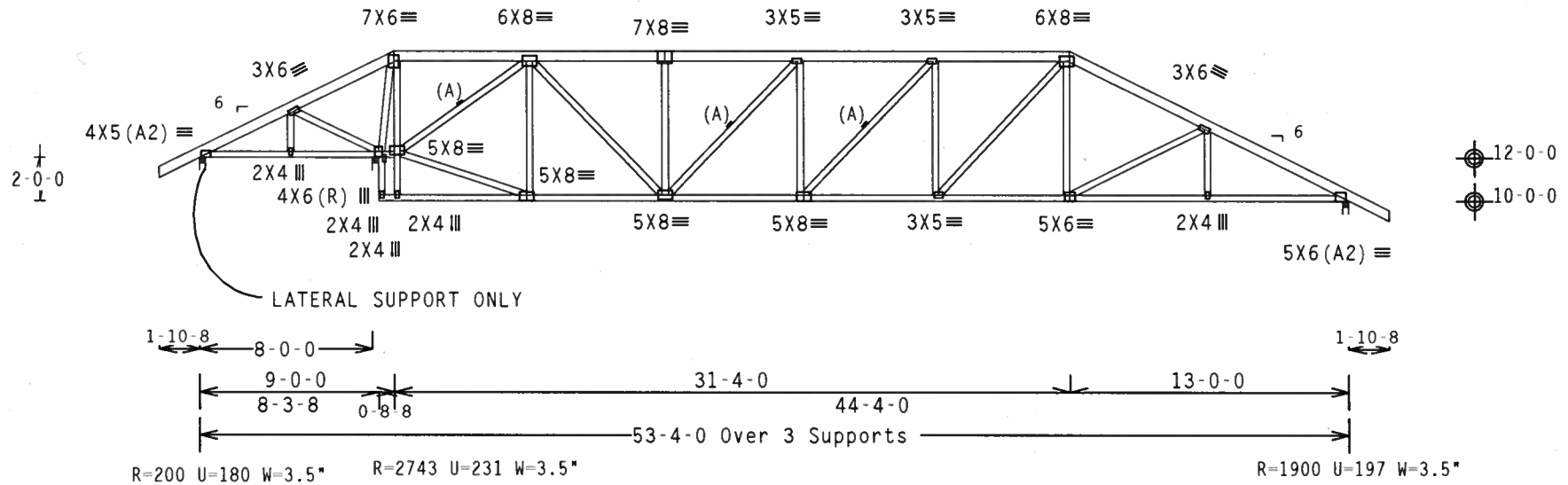
SEE DWGS BCFILLER1103 FOR FILLER DETAILS.
LATERALY BRACE BOTTOM CHORD ABOVE FILLER @24"OC.
INCLUDING A LATERAL BRACE AT CHORD ENDS.

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

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

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

The overall height of this truss excluding overhang is 5-0-6.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844
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JAMES R. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05 '05

TC LL	20.0 PSF	REF	R215-- 1851
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339112
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96942 REV
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A22 53'4" Stepdown Hip)

Top chord 2x6 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.

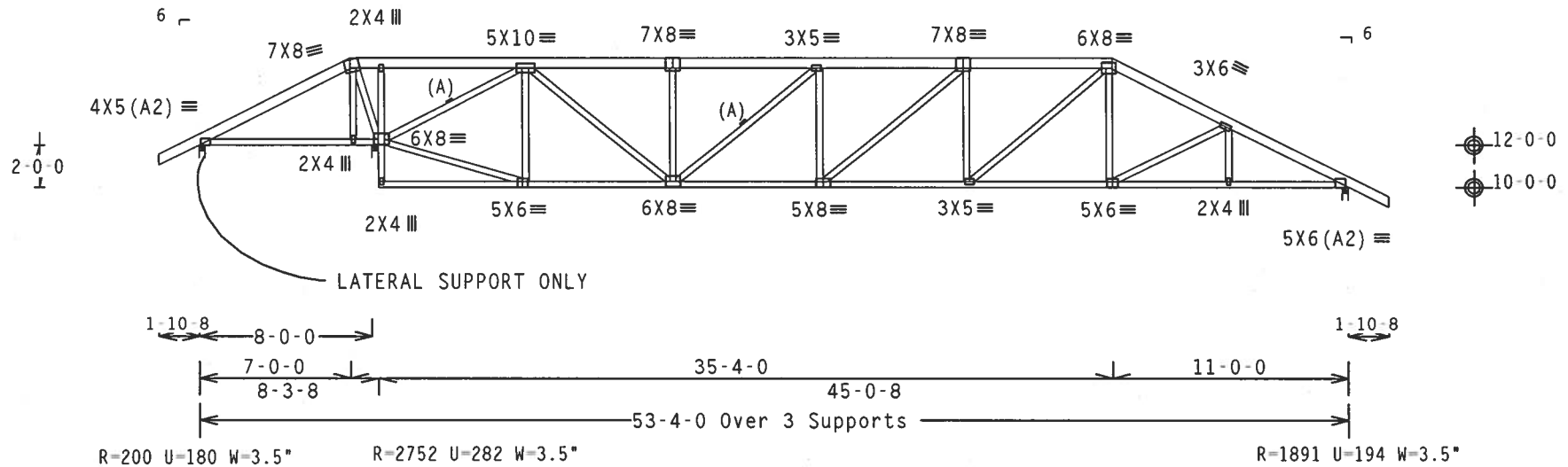
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 4-0-6.

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 09-05

TC LL	20.0 PSF	REF	R215-- 1852
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339113
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96936
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A23 53'4" Stepdown Hip)

Top chord 2x6 SP #2 N :T4 2x6 SP SS:
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.

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

The overall height of this truss excluding overhang is 3-0-6.

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

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

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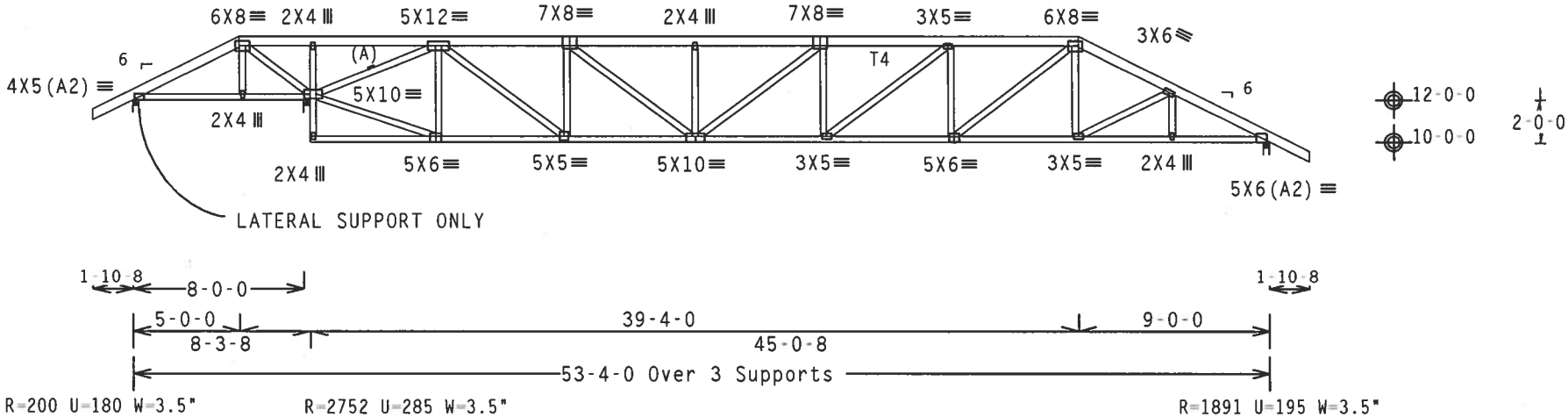

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1853
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339114
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96927
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - A24HG (2-PLY) 53'4" Stepdown Hip Girder)

Top chord 2x6 SP #2 N
Bot chord 2x6 SP #2 N :B3, B4 2x6 SP SS:
Webs 2x4 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
1	8.000'	1	12"	10	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.

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

The overall height of this truss excluding overhang is 2-0-6.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)
Top Chord: 1 Row @ 4.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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 3-0-0 jacks at left end and 7-0-0 jacks at right end. Jacks have 2 panel TC and no end vertical.

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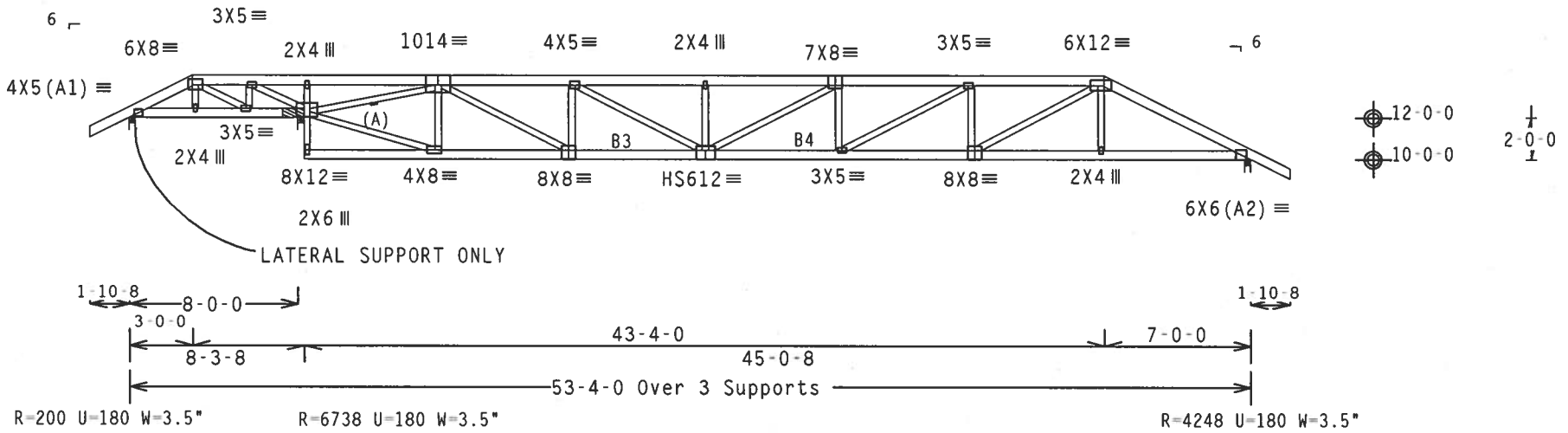

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.19 QTY:1 FL/-/5/-/-/R/- Scale =.125"/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
Dec

TC LL	20.0 PSF	REF	R215-- 1854
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339115
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96930
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - B1HG (2-PLY) 37'8" Common Girder)

Top chord 2x4 SP #2 N :T2, T6 2x6 SP SS:
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.

THIS BOSTON HIP DESIGNED TO SUPPORT 3'0" JACKS. JACKS HAVE NO WEBS. TOP CHORD SUPPORTS 2'0" MAX. GABLE OVERHANG. REFER TO DRAWING S11015E FOR GABLE END AND BRACING DETAILS.

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

2 COMPLETE TRUSSES REQUIRED

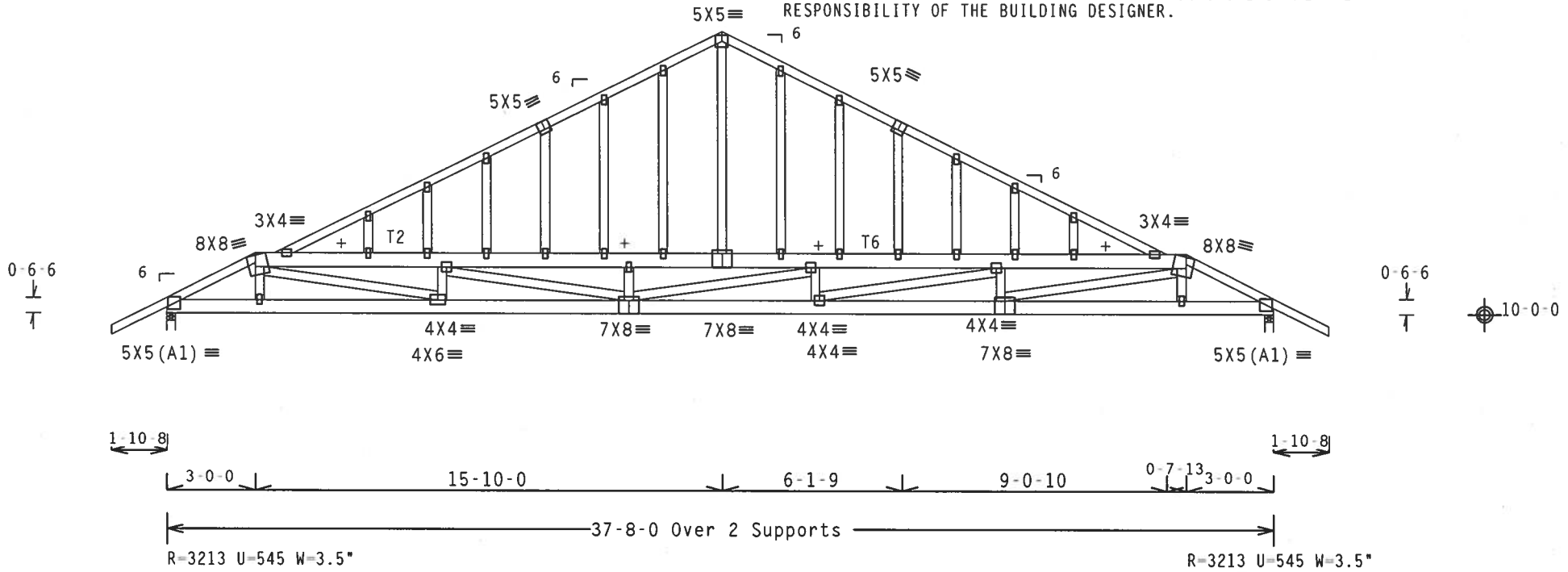
Nailing Schedule: (10d_Box_or_Gun_(0.128"x3"_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 8.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Boston hip supports 3-0-0 jacks to BC. TC supports 2-0-0 overhang.

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

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

REFER TO DRAWING HCUSR081 01306236 or 01297038 FOR STUD VERTICALS AND BRACING DETAILS. GABLE END HAS BEEN DESIGNED TO TRANSFER ALL HORIZONTAL WIND LOADS INTO THE ROOF AND CEILING DIAPHRAGMS. CONNECTION AND DESIGN OF THESE SYSTEMS ARE THE RESPONSIBILITY OF THE BUILDING DESIGNER.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cg/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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JAMES F. COLLINS JR LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1855
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339116
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96898
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - B2 37'8" Common)

THIS BMG 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

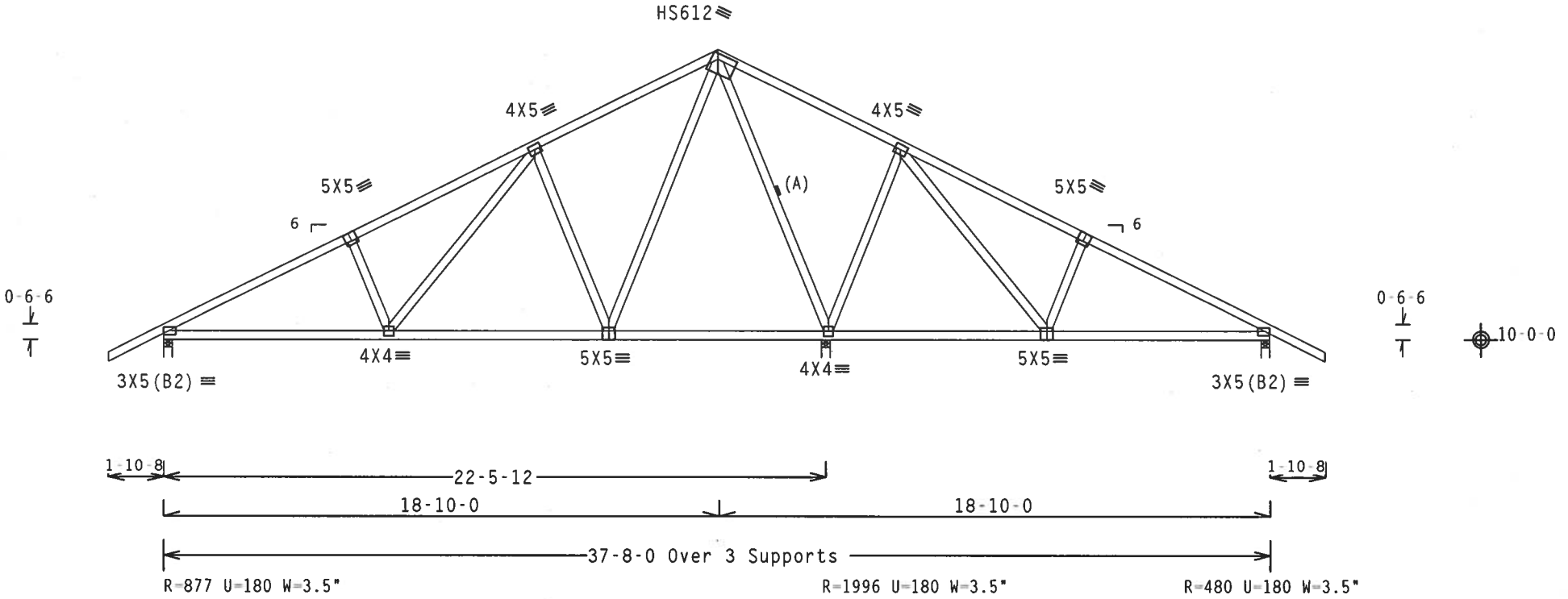
(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9-11-6.

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. 20 Gauge HS,Wave\R | Cq/RT=1.00(1.25)/10(0) | 7.20.0918 | QTY:3 | FL/-/5/-/-/R/- | Scale =.1875"/Ft.

ALPINE

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

Dec 05 '05

TC LL	20.0 PSF	REF	R215-- 1856
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339117
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96908 REV
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - B3 37'8" Common)

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

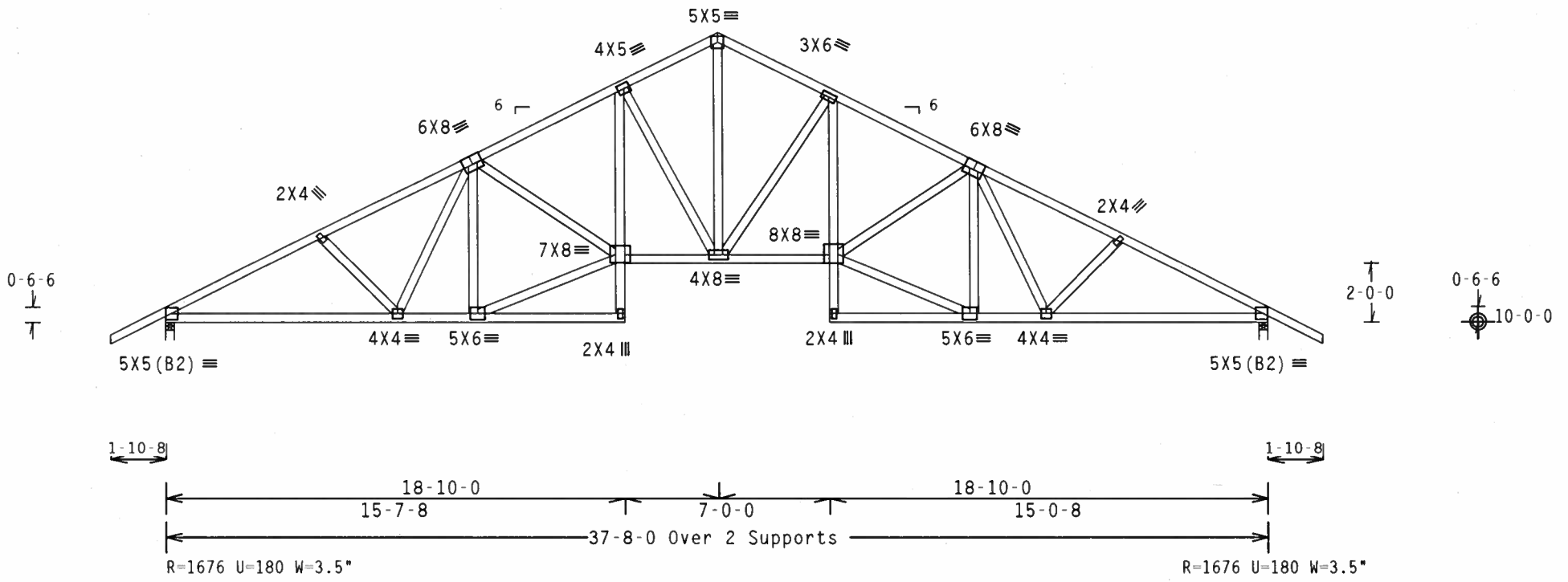
Calculated horizontal deflection is 0.12" due to live load and 0.13" due to dead load.

The overall height of this truss excluding overhang is 9-11-6.

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:6 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1857
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339042
BC LL	0.0 PSF		HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN-	96912
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - B4G (3-PLY) 37'8" Common Girder)

Top chord 2x6 SP #2 N
Bot chord 2x8 SP #2 N
Webs 2x4 SP #2 N :W8, W12 2x8 SP #2 N:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.88 to 62 PLF at 37.67
BC - From 4 PLF at -1.88 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 37.67
BC - 4118 LB Conc. Load at 7.12
BC - 1762 LB Conc. Load at 9.06, 11.06, 35.94
BC - 1775 LB Conc. Load at 13.06, 15.06, 17.06, 19.06, 21.06 23.06, 25.06, 27.06, 29.06
BC - 1784 LB Conc. Load at 29.94, 31.94
BC - 1757 LB Conc. Load at 33.94

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

++ 6-(.162"x3.5")16d COMMON NAILS OPPOSITE HANGER AFTER THE THIRD PLY IS ATTACHED.

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3"_min.)_nails)
Top Chord: 1 Row @ 8.00" o.c.
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

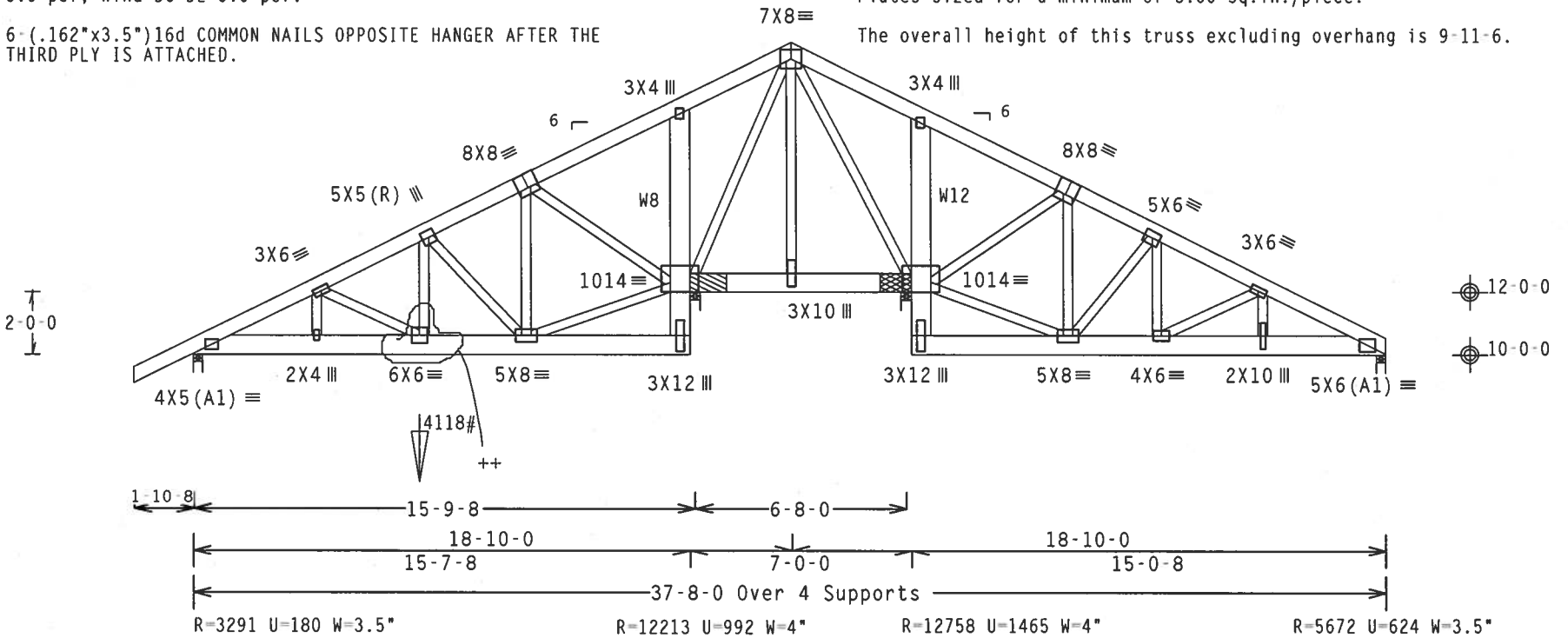
BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
2	15.625'	1	14"	23	SP Standard
3	22.292'	2	12"	14	SP Standard

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

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

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

The overall height of this truss excluding overhang is 9-11-6.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05

TC LL	20.0 PSF	REF	R215-- 1858
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339136
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	97096
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - J1 1' Jack)

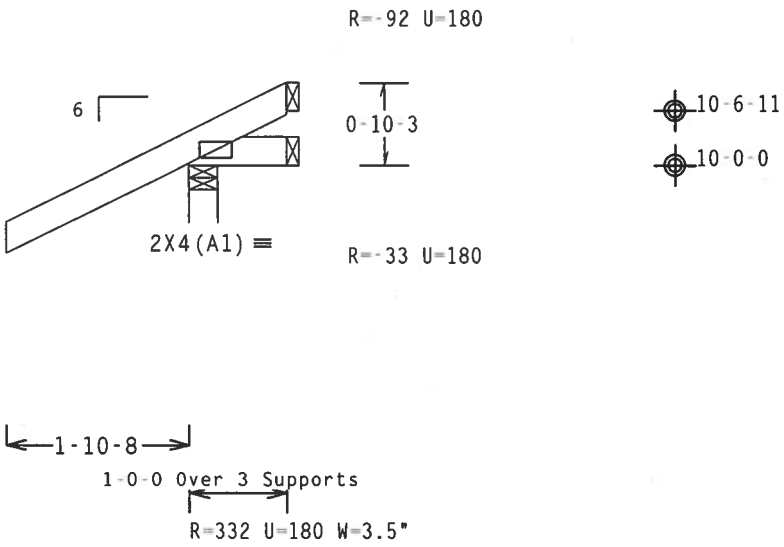
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:8 FL/-/5/-/-/R/- Scale =.5"/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

Dec 09 05

TC LL	20.0 PSF	REF	R215-- 1859
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339119
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96848
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - J2 5' Jack)

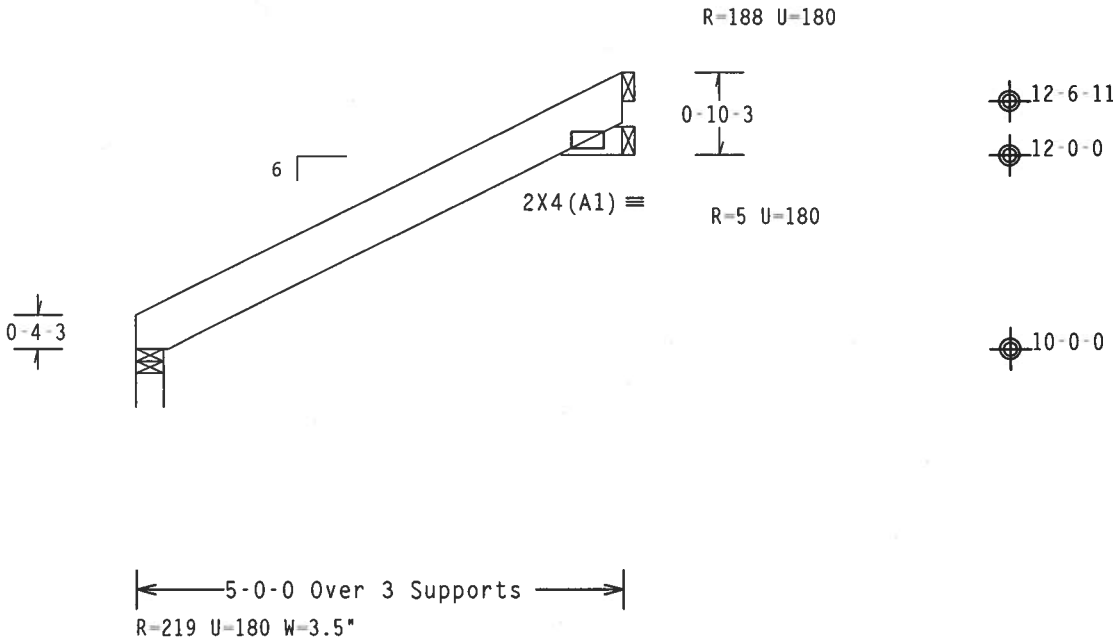
Top chord 2x6 SP #2 N
Bot chord 2x4 SP #2 N

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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) 7.20.0918 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1860
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339120
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96885
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - J3 3' Jack)

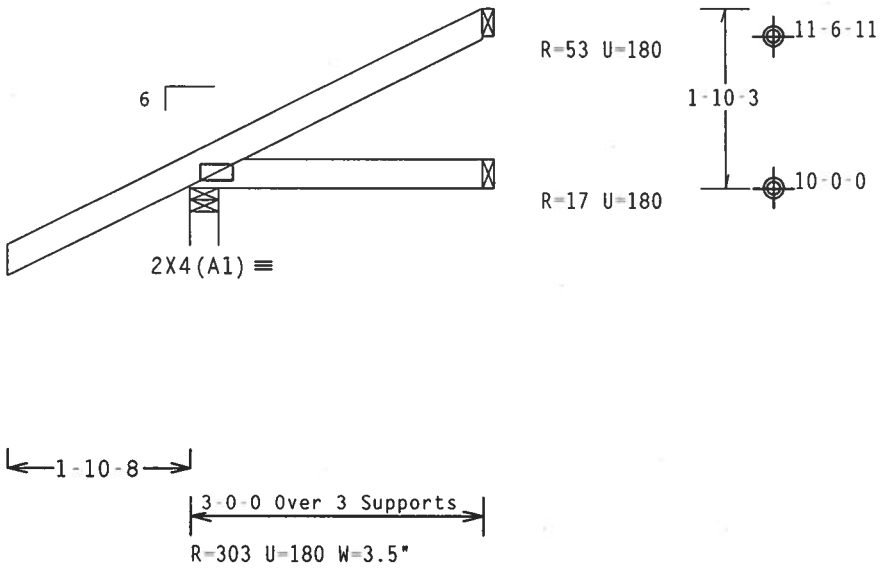
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 10 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

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

Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1861
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339121
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96861
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - J4 7' End Jack)

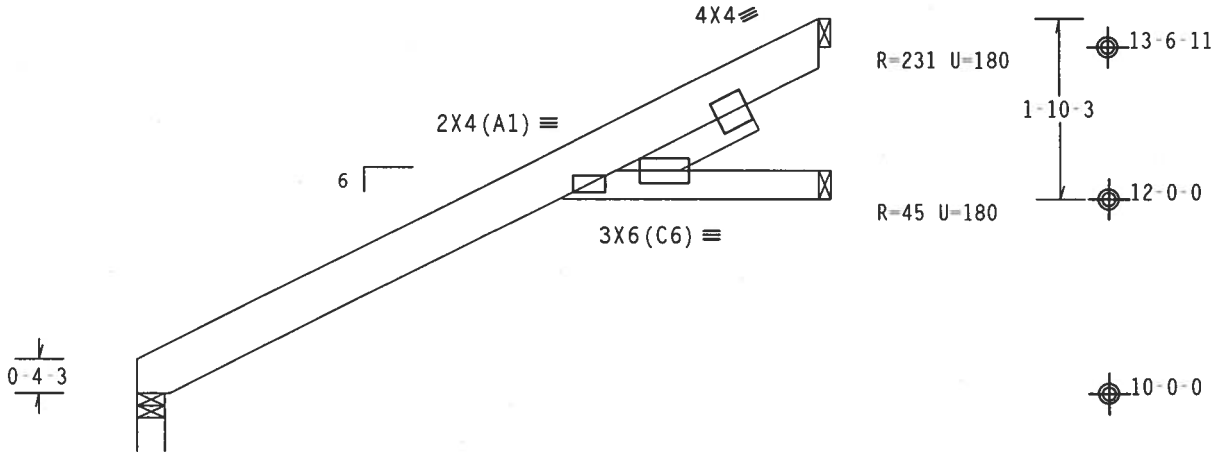
Top chord 2x6 SP #2 N
Bot chord 2x4 SP #2 N
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

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

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

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

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



7-0-0 Over 3 Supports

R=301 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 1[illegible] QTY:6 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE

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1950 Marley Drive
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JAMES F. COLLINS, JR. LICENSE No. 52712 STATE OF FLORIDA PROFESSIONAL ENGINEER

Dec 05 [illegible]

TC LL	20.0 PSF	REF	R215-- 1862
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339122
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96880
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - J5 5' Jack)

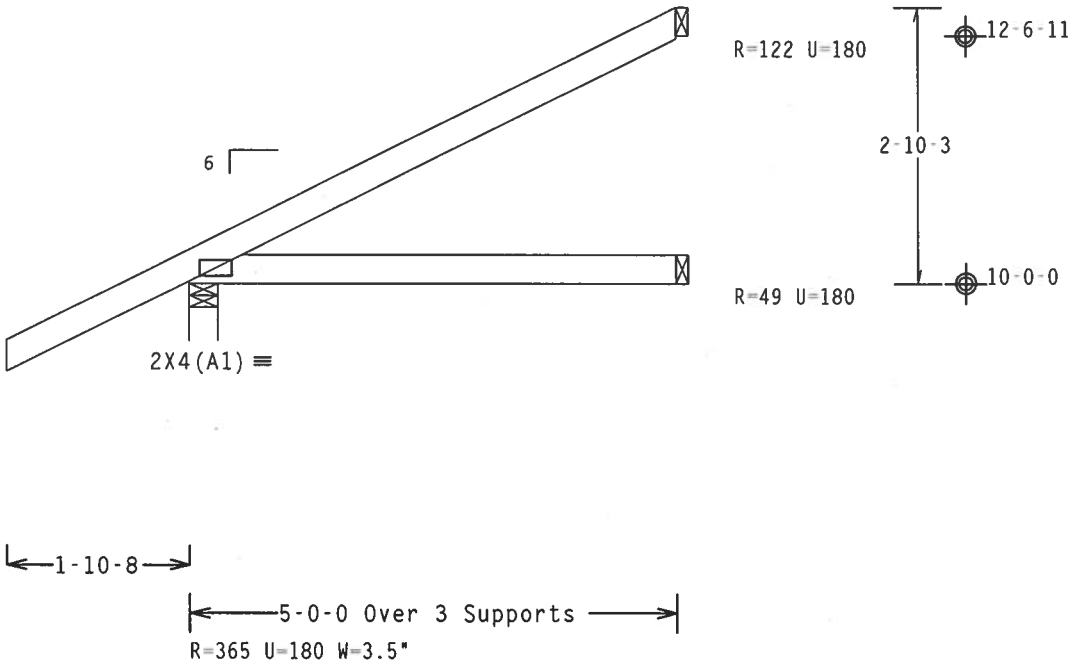
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 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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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1863
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339123
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96864
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - JE3 3' End Jack)

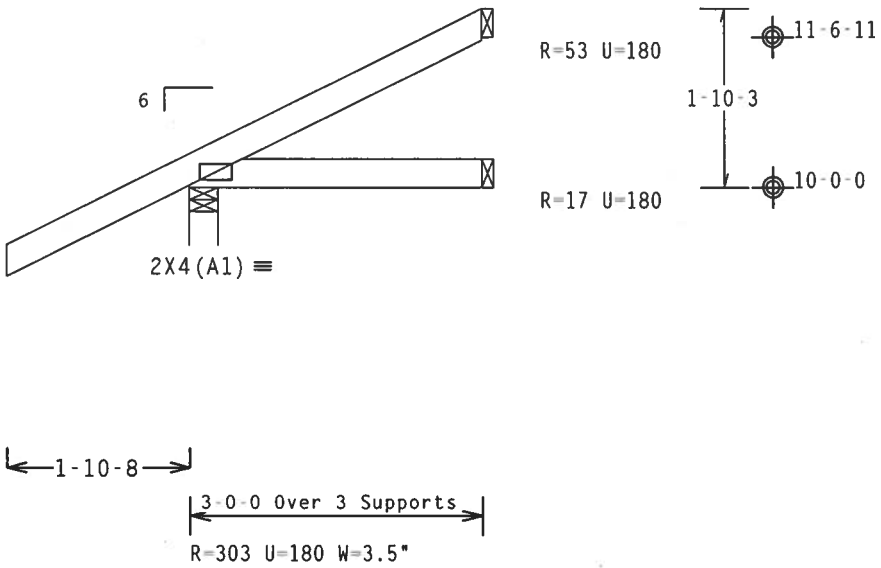
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:17 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
Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1864
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339124
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96858
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - JE7 7' End Jack)

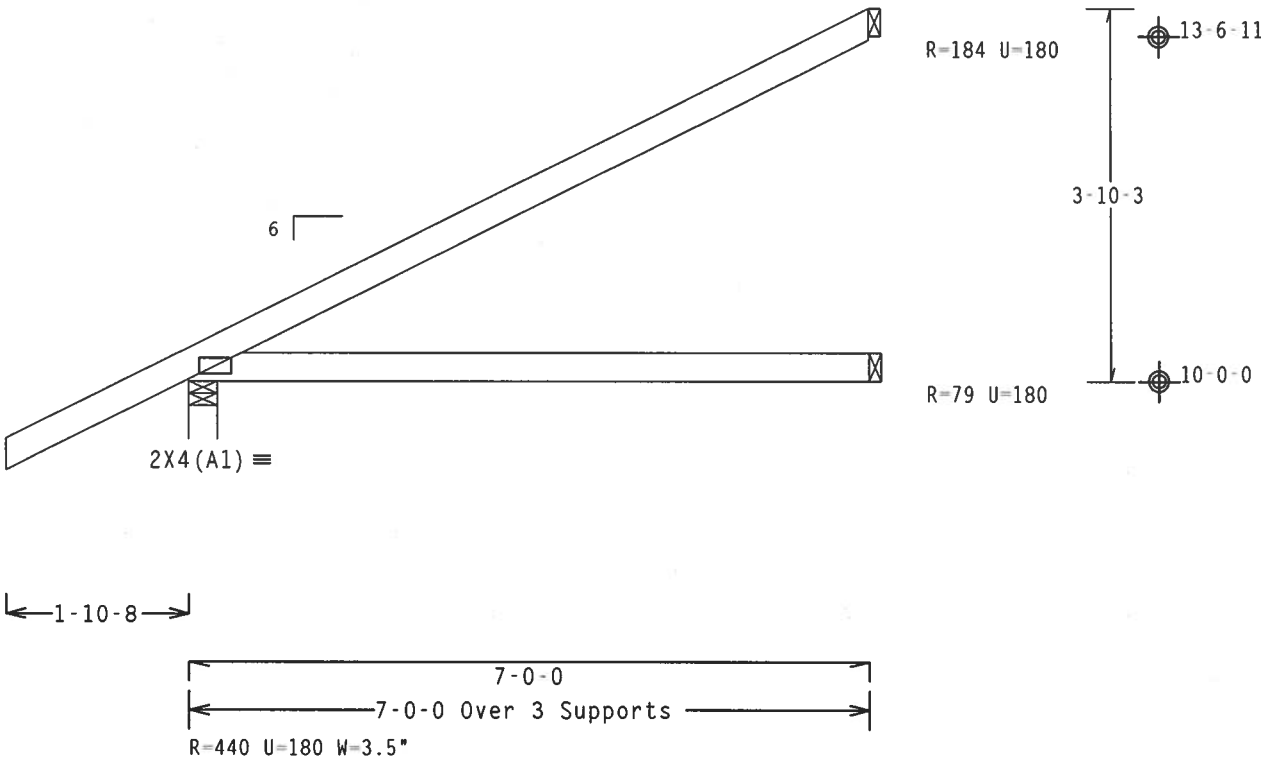
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.19 QTY:44 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

Dec

TC LL	20.0 PSF	REF R215-- 1865
TC DL	10.0 PSF	DATE 12/05/05
BC DL	10.0 PSF	DRW HCUSR215 05339125
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 96867
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - JH3 4'2"15 Hip Jack Girder)

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

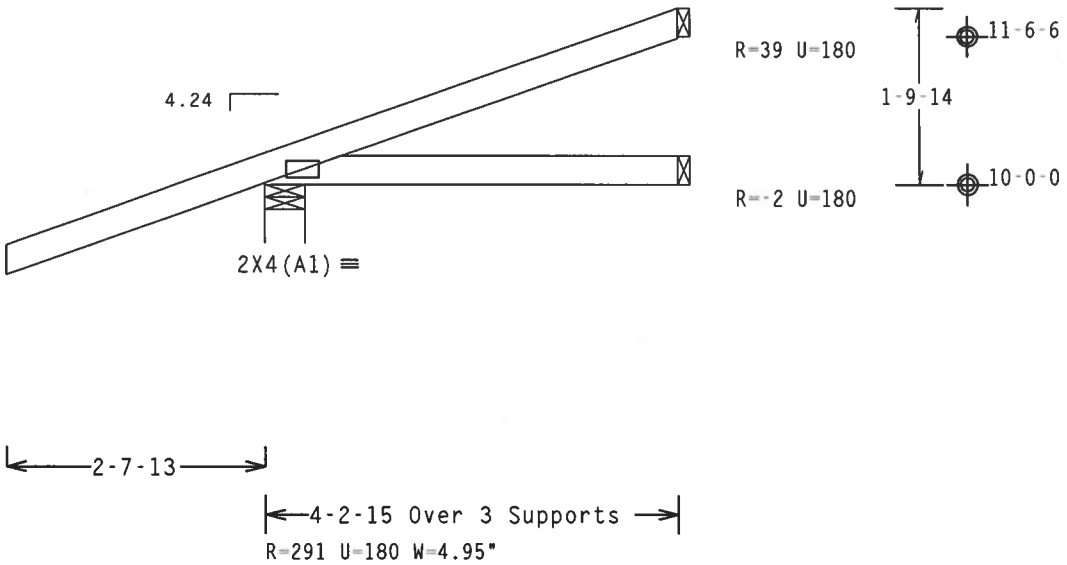
Hipjack supports 3-0-0 setback jacks with no webs.

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

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

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

The overall height of this truss excluding overhang is 1-9-14.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 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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JAMES F. COLLINS LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1866
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339126
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96854
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - JH4 4'2"15 Hip Jack Girder)

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

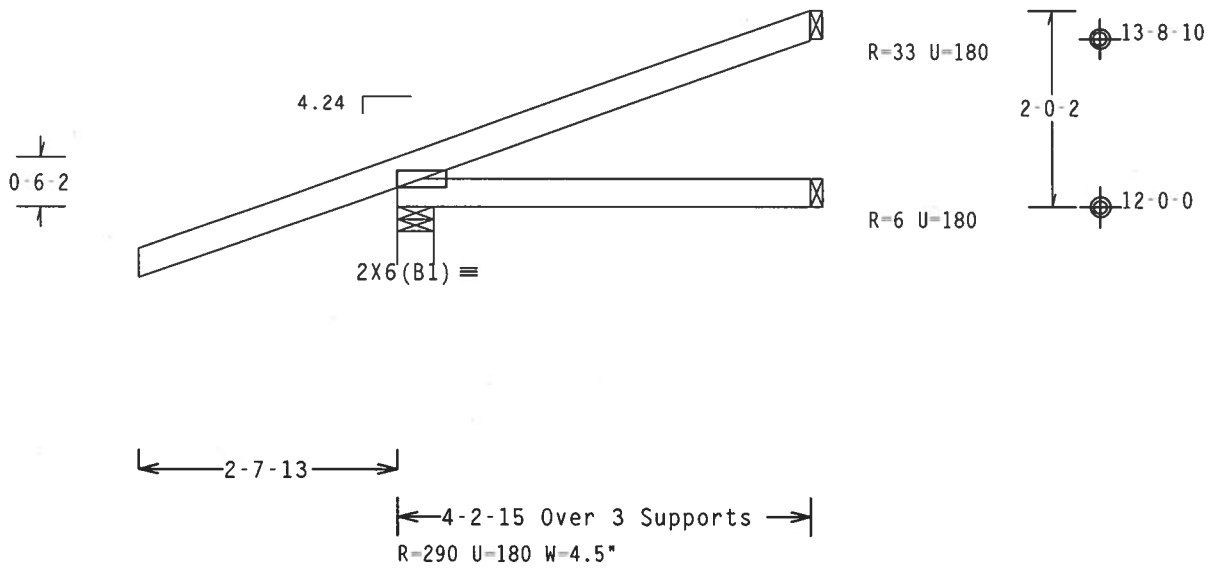
Hipjack supports 3-0-0 setback jacks with no webs.

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

Dec 05

TC LL	20.0 PSF	REF	R215-- 1867
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339127
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96891
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - JH7 9'10"13 Hip Jack Girder)

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

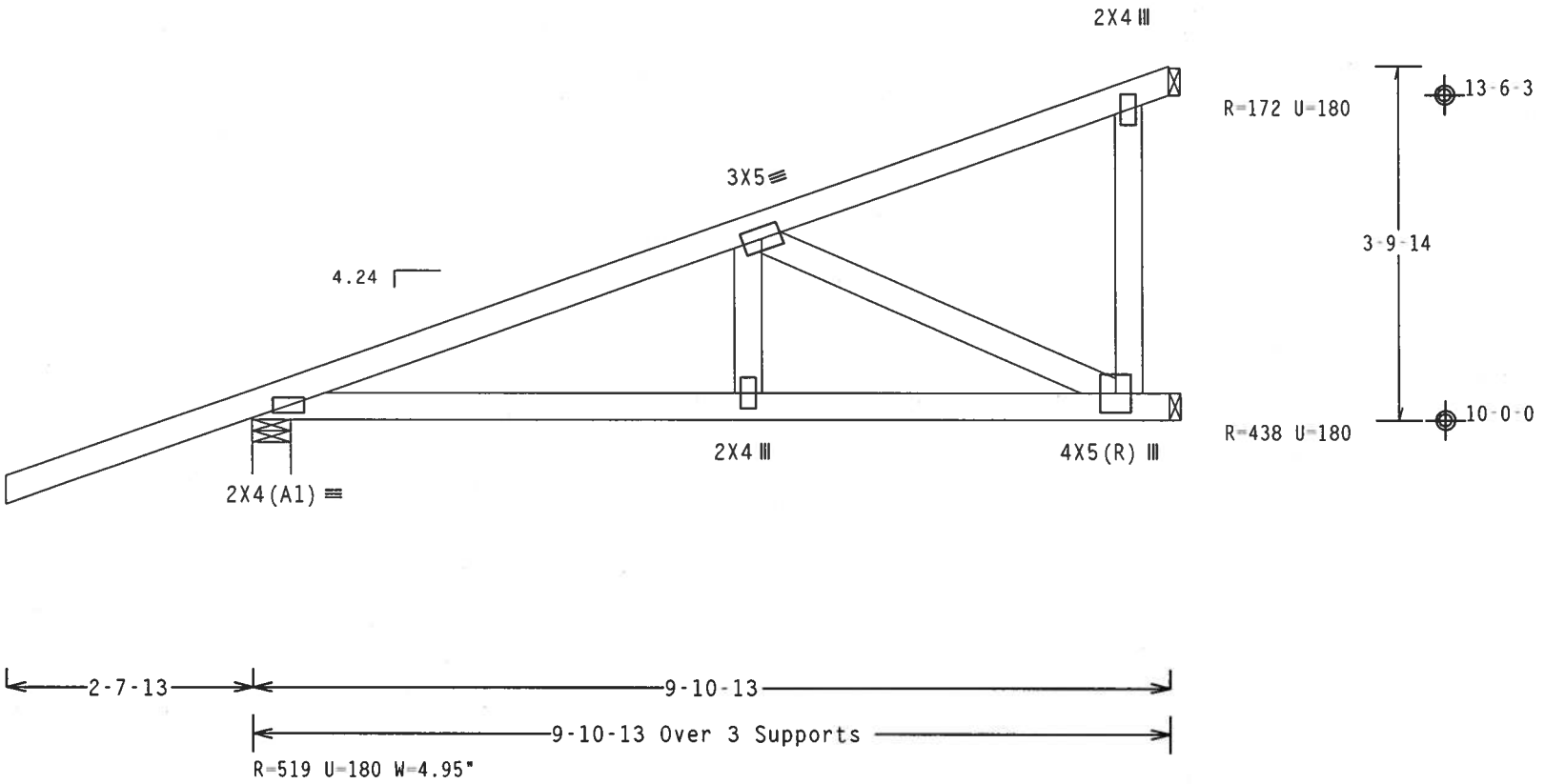
Hipjack supports 7-0-0 setback jacks with no webs.

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 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 E. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1868
TC DL	10.0 PSF	DATE	12/05/05
BC DL	10.0 PSF	DRW	HCUSR215 05339128
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN-	96875
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - PBA1 11'4" Common)

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

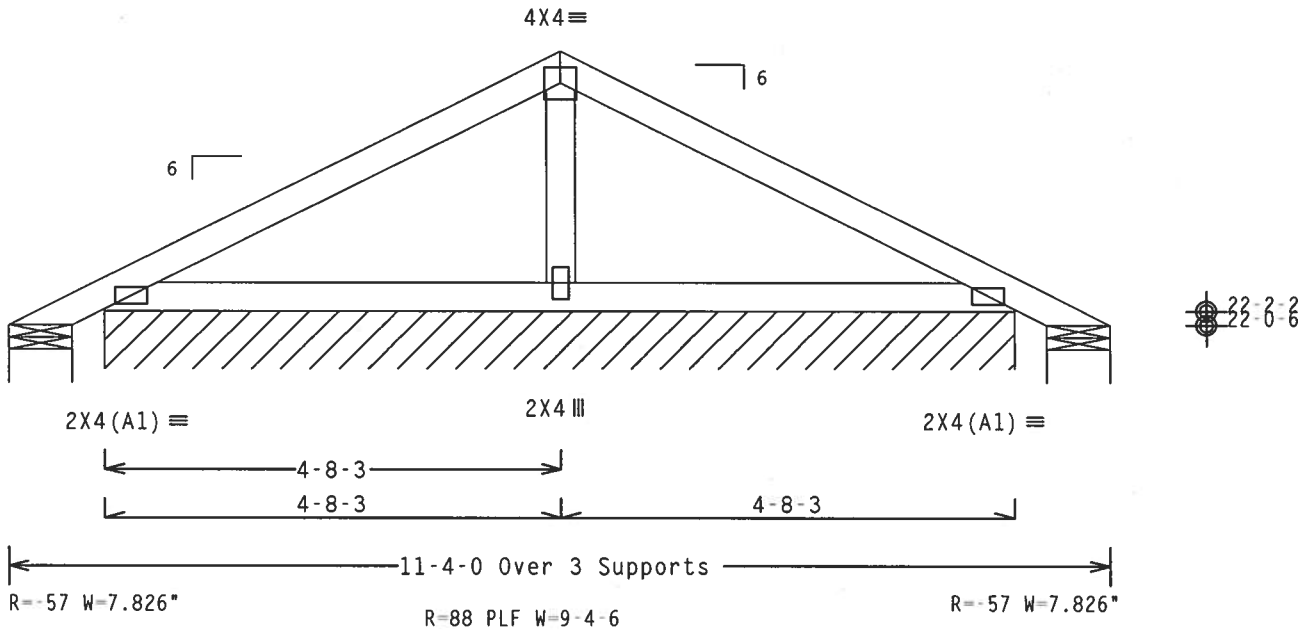
Plates sized for a minimum of 3.00 sq.in./piece.

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

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

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

The overall height of this truss excluding overhang is 2-10-0.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 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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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05

TC LL	20.0 PSF	REF	R215-- 1869
TC DL	10.0 PSF	DATE	12/05/05
BC DL	2.0 PSF	DRW	HCUSR215 05339129
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	32.0 PSF	SEQN-	97028
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

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.

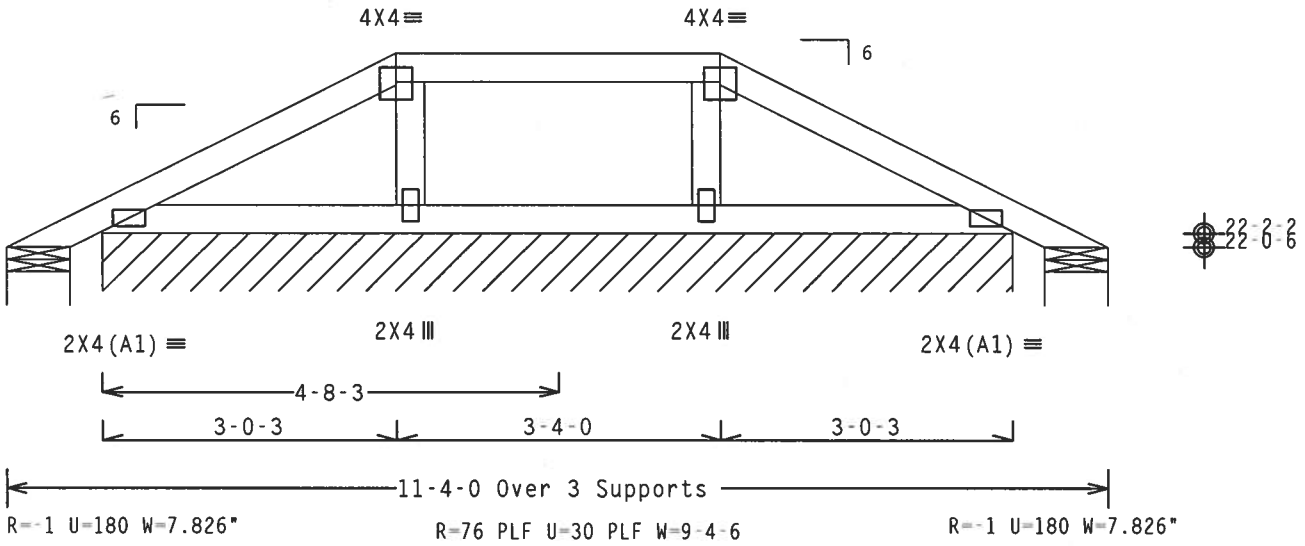
The overall height of this truss excluding overhang is 2-0-0.

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

110 mph wind, 23.03 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) | 7.20.0918 | 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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JAMES P. COLLINS JR. LICENSE No. 52912 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 05 05

TC LL	20.0 PSF	REF	R215-- 1870
TC DL	10.0 PSF	DATE	12/05/05
BC DL	2.0 PSF	DRW	HCUSR215 05339130
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	32.0 PSF	SEQN-	97025
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

(3008-/Hutchison & Bormolini Res /EDGELY CONSTRUCTION -- LAKE CITY, FL - PBA3 11'4" Stepdown Hip)

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.

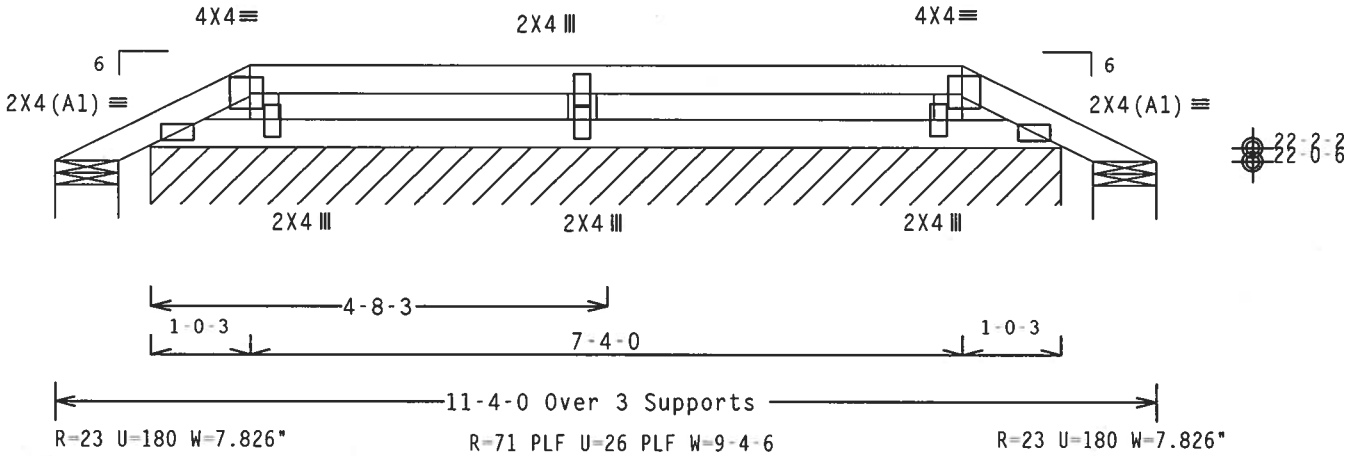
Deflection meets L/360 live and L/240 total load.

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

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

110 mph wind, 22.53 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 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) | 7.20.0918.10 | QTY:2 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

Dec 05-06

TC LL	20.0 PSF	REF	R215-- 1871
TC DL	10.0 PSF	DATE	12/05/05
BC DL	2.0 PSF	DRW	HCUSR215 05339131
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	32.0 PSF	SEQN-	97022 REV
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SS0215_Z13

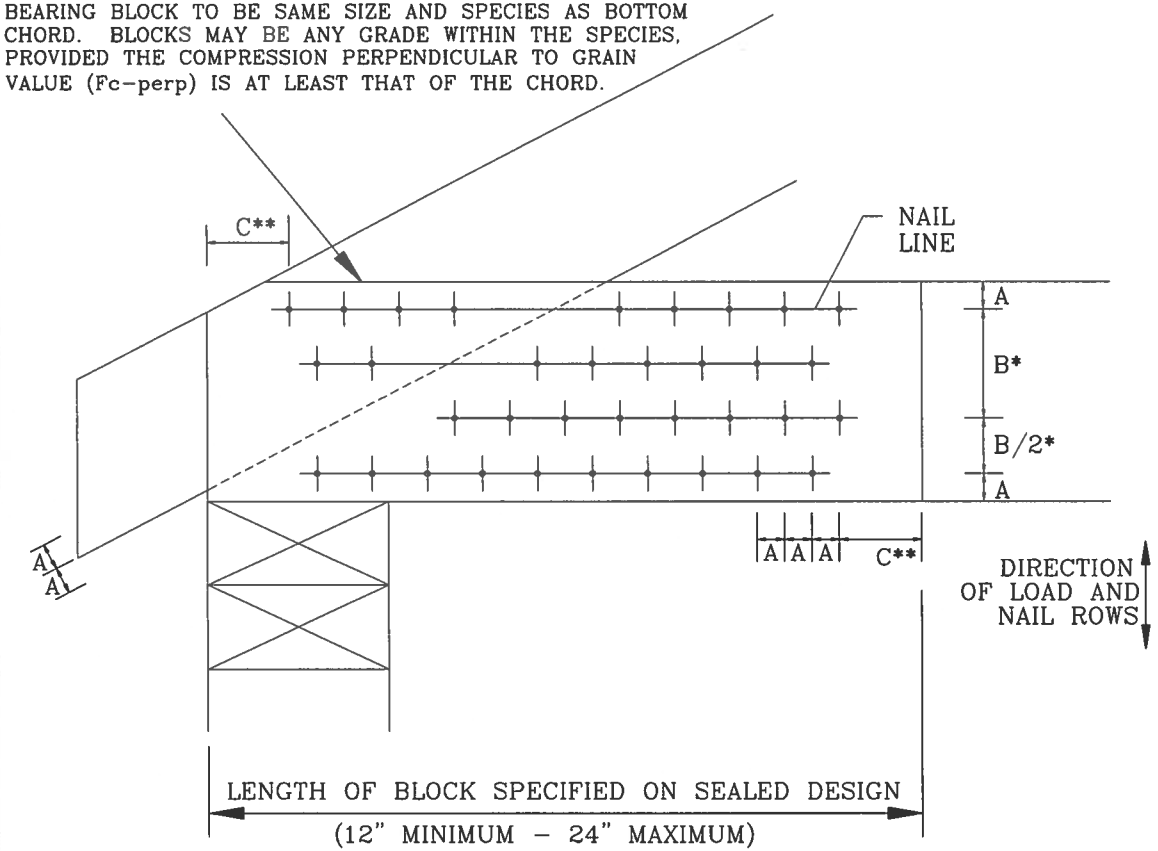
BEARING BLOCK NAIL SPACING DETAIL

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

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

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

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



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

MINIMUM NAIL SPACING DISTANCES

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

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

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

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

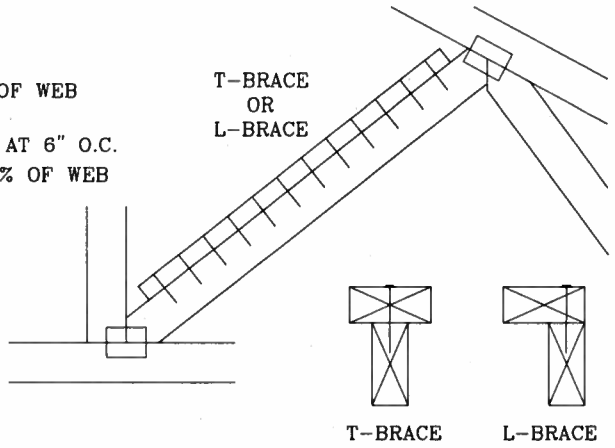
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

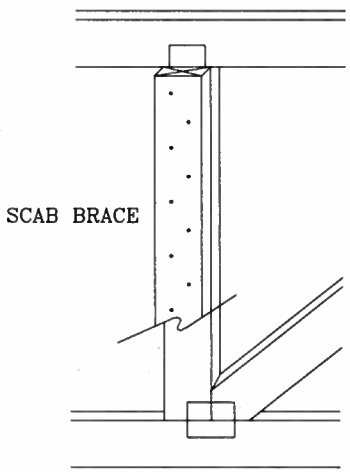
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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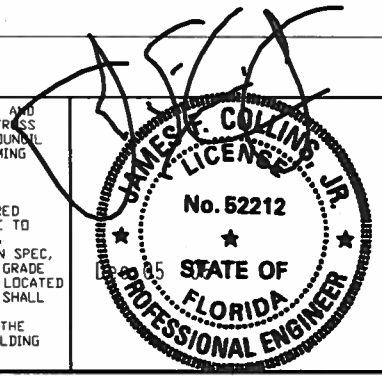


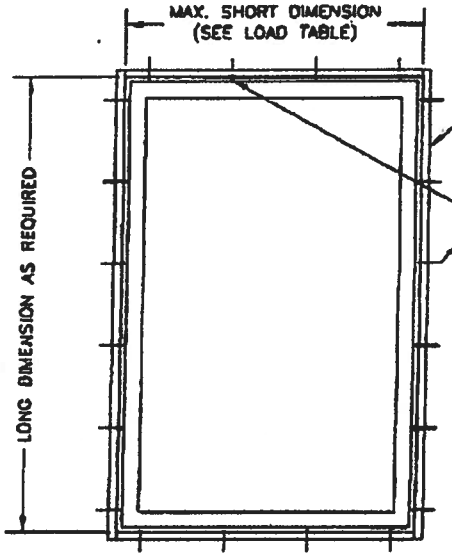
TC LL	PSF	REF CLB SUBST.
TC DL	PSF	DATE 11/26/03
BC DL	PSF	DRWG BRCLBSUB1103
BC LL	PSF	-ENG MLH/KAR
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

PALM BEACH GARDENS, FL 33410

STANDARD BUCKING DETAILS

NOTES:

1. CONCRETE SCREWS MAY BE HARDENED STEEL OR STAINLESS STEEL ITW RAMSET REDHEAD TAPCONS, ELCO TAPCONS, POWERS RAWL TAPPERS, OR HILTI KWIK-CON II.
2. BUCKING MUST BE CONTINUOUS ALONG EACH SIDE OF OPENING.
3. CONCRETE SCREWS MUST PENETRATE THE BLOCK/CONCRETE MINIMUM 1 1/4" AND HAVE MIN BLOCK/CONCR. EDGE DISTANCE OF 1 7/8" (NOT TO INCLUDE FINISHES).
4. IF BUCKING TO WOOD FRAMING, THE CONCRETE SCREWS MAY BE USED OR SUBSTITUTED WITH NO. 10 SCREWS.
5. IF BUCK IS TO BE LESS IN THICKNESS THAN 1 1/2"; THE BUCK SHALL BE PRENAILED TO THE OPENING AS REQUIRED TO POSITION, THE FRAME SCREWS (AS SPECIFIED FOR THE WINDOW PRODUCT) SHALL BE REPLACED WITH A CONCRETE SCREW OF EQUAL OR GREATER DIAMETER AND THE FRAME SCREW MUST PENETRATE THROUGH THE BUCK INTO THE BLOCK/CONCRETE MIN. 1 1/4". IF THIS SITUATION OCCURS WHEN INSTALLING TO WOOD FRAMING, THE FRAME SCREW SHALL BE OF A LENGTH TO PENETRATE THROUGH THE BUCK AND INTO THE WOOD FRAMING MIN. 1 3/8".
6. IF THE MANUFACTURER'S SPECIFICATIONS OR ENGINEER/ARCHITECT OF RECORD CALL FOR BUCKING DIFFERENT THAN SPECIFIED HERE-IN, THE MANUFACTURER'S/ENGINEER'S SPECIFICATIONS SHALL CONTROL.
7. IF SHIM SPACING BETWEEN THE BUCK & FRAME OR FRAME & OPENING IS GREATER THAN 1/4", A WOOD SPACER MAY BE USED PROVIDING THE SPACER IS A CONTINUOUS MEMBER, THE SPACER IS OF EQUAL OR GREATER DEPTH TO THE FRAME WITH FRAME FULLY BEARING ON THE SPACER AND THE FRAME SCREWS RUN THROUGH THE SPACER AND INTO THE BUCK/OPENING THE REQUIRED EMBEDMENT.
8. IF BUCK IS A 2X6, ANCHORS MUST BE SPACED AS SHOWN BUT STAGGERED SUCH THAT THE ROWS ARE MIN. 1.5" APART.
9. IF BUCK IS A 2X8, ANCHORS MUST BE SPACED AS SHOWN BUT WITH 2 ROWS SUCH THAT EACH ROW IS MIN. 2 1/2" APART.
10. IF OPENING IS WOOD FRAME, CONCRETE SCREWS MAY BE SUBSTITUTED WITH NO. 10 SMS OR WOOD SCREWS WITH SUBSTRATE FRAMING EMBED OF MIN. 1 3/8".



USE #10 SCREWS WHEN INTO 2X_ WOOD OR MIN. 20GA. METAL STUD.

INCLUDES GLASS BLOCK WINDOWS

SINGLE FIXED WINDOWS

(ALSO APPLICABLE FOR SINGLE CASEMENT WINDOWS & SINGLE DOORS)

BUCKED OPENING LOAD TABLE			
ANCHOR SPACING = 16" O.C.		ANCHOR SPACING = 12" O.C.	
SHORT DIMENSION	ALLOWABLE PRESSURE	SHORT DIMENSION	ALLOWABLE PRESSURE
48"	85 PSF	48"	100 PSF
54"	76 PSF	54"	100 PSF
60"	68 PSF	60"	91 PSF
66"	62 PSF	66"	82 PSF
72"	57 PSF	72"	76 PSF
75"	54 PSF	75"	73 PSF

ALL PRESSURES SHOWN ARE POSITIVE & NEGATIVE PRESSURES AND MAY NOT BE INTERPOLATED.

MAY 1 1 2004

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

THIS DOCUMENT SHALL NOT BE ACCEPTABLE FOR USE WITHOUT THE ORIGINAL SIGNATURE & SEAL OF WARREN W. SCHAEFER, P.E.

DRAWING #1001-A
SHEET 1 OF 1

AAMA
CERTIFICATION PROGRAM

MA

AUTHORIZATION FOR PRODUCT CERTIFICATION

Mulia, Inc.
14820 Carmenita Rd., Unit A
Norwalk, CA 90650

Attn: Chuck Verdogna

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results thereof, accompanied by related drawings, by an AAMA Accredited Laboratory.

The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION	RECORD OF PRODUCT TESTED			LABEL ORDER NO.
AAMA/NWWDA 101/I.S. 2-97 F-LC30-57x57				
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED	
Mulia, Inc. Chesterfield, Select 17550 Indonesia	MUL-1	LW2-5757 GLASS BLOCK (PVC)(O)(OG) (CMBSO)	FRAME 4'9" x 4'9"	By Request

This Certification will expire July 15, 2007 and requires validation until then by continued listing in the current AAMA Certified Products Directory.

Product Tested and Reported by: Architectural Testing, Inc.

Report No.: 03-32291.01

Date of Report: July 29, 2003

NOTE: PLEASE REVIEW, AND ADVISE ALI IMMEDIATELY IF DATA, AS SHOWN, NEEDS CORRECTION.

Date: May 5, 2004

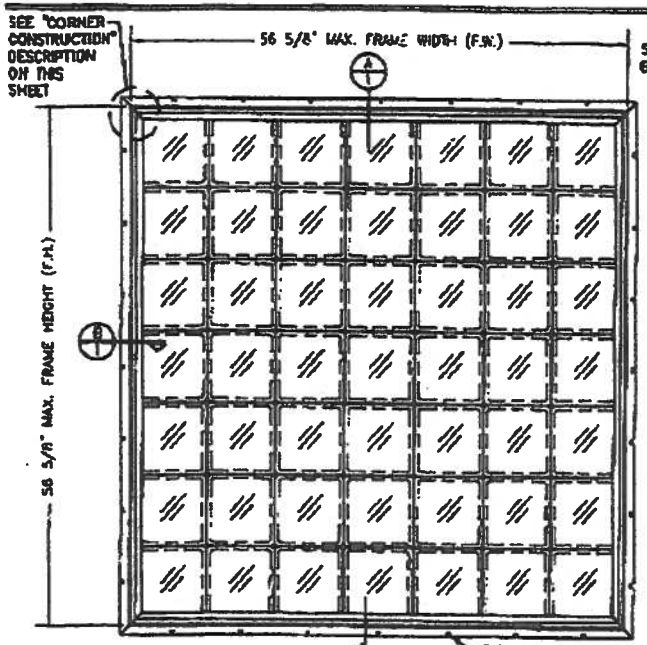
Validated for Certification:

Associated Laboratories, Inc.

Authorized for Certification:

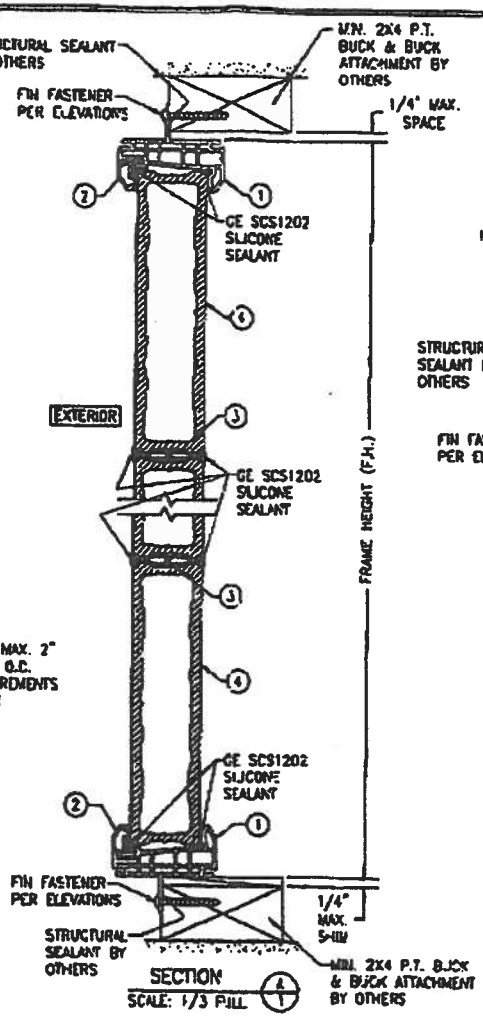
American Architectural Manufacturers Association

AAMA
jss:td

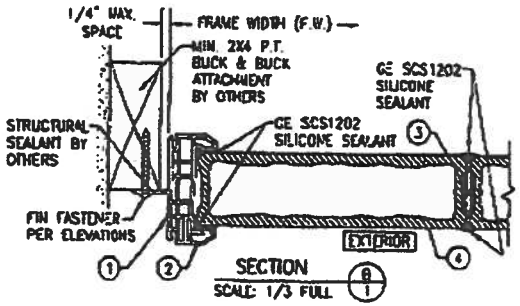


EXTERIOR ELEVATION
GLASS BLOCK WINDOW
SCALE: N.T.S.

NAIL FIN INSTALLATION SHOWN. SEE OPTIONAL DETAILS ON SHEET 2 FOR OTHER METHODS OF INSTALLATION.



SECTION
SCALE: 1/3 FULL (4/1)



SECTION
SCALE: 1/3 FULL (6/1)

GENERAL NOTES

1. THIS GLASS BLOCK WINDOW SYSTEM HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE" TABLE.
2. BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THIS GLASS BLOCK WINDOW SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH & MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (F.B.C.)
5. THIS GLASS BLOCK WINDOW HAS BEEN TESTED IN ACCORDANCE WITH AAMA/NWWDA 101/I.S. 2-97 "VOLUNTARY SPECIFICATIONS FOR ALUMINUM, VINYL (PVC) AND WOOD WINDOWS AND GLASS DOORS" REFERENCE TEST REPORT NO'S. 03-33791.01 BY ARCHITECTURAL TESTING INC. (ATI) AS APPLICABLE TO THESE DRAWINGS.
6. TESTED COMPLETED INCLUDE AIR INFILTRATION PER ASTM E283, WATER RESISTANCE PER ASTM E547 &/OR E331, UNIFORM LOAD STRUCTURAL PER ASTM E330 & FORCED ENTRY PER GARN 201.
7. THIS GLASS BLOCK WINDOW SYSTEM IS NON-IMPACT RATED & IMPACT OR SHUTTERED VALVE REQUIRED BY CODE.
8. TO THE BEST OF OUR KNOWLEDGE, THE WINDOWS SHOWN HEREON ARE CERTIFIED AND/OR QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE STATE CODE & CHAPTER 9B-72 DEPARTMENT OF CONSUMER AFFAIRS-FLORIDA BUILDING COMMISSION SPECIFICATIONS. BY LABELING THE WINDOW, THE MANUFACTURER CONFIRMS THAT THE PRODUCT IS ASSEMBLED IN ACCORDANCE WITH THEIR REGISTERED QA & TESTING REPORTS.
9. THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. WINDOW ASSEMBLY SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORT.

FRAME ANCHOR REQUIREMENTS TABLE

FIN SCREWS			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 8 X 1 1/2" SMS SCREWS	± 3/8"	1/2"

ALLOWABLE DESIGN PRESSURE

+/-80 PSF

CORNER CONSTRUCTION

FRAME CORNERS: MITERED & FULLY WELDED

"LW" VINYL FRAMED NON-IMPACT GLASS BLOCK WINDOWS

MULIA INC.
14820 CARMENITA ROAD, SUITE A
NORWALK, CA 90650
888-367-6854

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.

FEB 17 2006

DRAWING NO. 1295 REV.
SHEET NO. 1 OF 2

The Florida Department of Community Affairs
Building Code Information System

PRODUCT APPROVAL

Overview | Product Search | Organization Search | Product Application

User: Public User - Not Associated with Organization -

Need Help ?

Application #:	FL3319
Date Submitted:	09/14/2004
Product Manufacturer:	MI Home Products INC
Address/Phone/email:	650 W Market St Gratz, PA 17030 (717) 365-3300
Category:	Exterior Doors
Subcategory:	Sliding
Evaluation Method:	Certification Mark or Listing
Referenced Standards from the Florida Building Code:	Section: Standard: AAMA/NWWDA 101/I.S.2 Year: 1997
Certification Agency:	American Architectural Manufacturers Association
Quality Assurance Entity:	
Validation Entity:	
Authorized Signature:	Andrew Brill abrill@mihp.com
Evaluation/Test Reports Uploaded:	
Installation Documents Uploaded:	
Product Approval Method:	Method 1 Option A
Application Status:	Approved
Date Validated:	09/14/2004

Page:

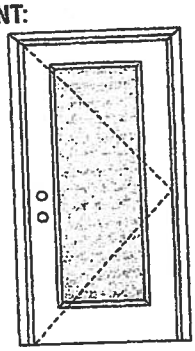
App/Seq #	Product Model # or Name	Model Description	Limits of Use
3319.1	420/430/440 (OXX)	Aluminum Patio Door 182x80 R-35 No Reinforcement DP+35/-35	Per manufacturers installation instructions. Comparative analysis charts and additional product information available at: www.miwd.com.
3319.2	420/430/440 (XOX)	Aluminum Patio Door 144x96 R-40 with Steel and Aluminum Reinforcement DP+40.0/-40.1	Per manufacturers installation instructions. Comparative analysis charts and additional product information available at: www.miwd.com.
3319.3	420/430/440 (XXO)	Aluminum Patio Door 182x96 R-25 with Steel Reinforcement DP+25/-25	Per manufacturers installation instructions. Comparative analysis charts and additional product information available at: www.miwd.com.

COP-WL-JH4141-02

X
Glazed Inswing Unit

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

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-MA0001-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

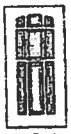
Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

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

Johnson™ EntrySystems

June 17, 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

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:


404 Series


410 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 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 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 Balthazor

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

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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PREMDOR® Collection Premium Quality Doors

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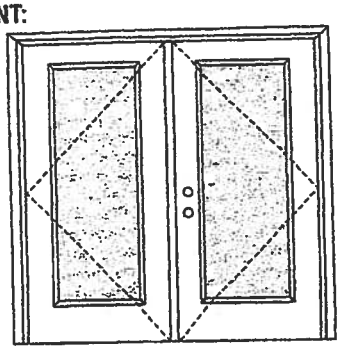
Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0002-02 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


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*

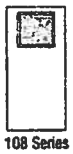

106, 160 Series*


129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

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

Johnson™ EntrySystems

June 17, 2002
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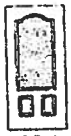
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

APPROVED DOOR STYLES:

3/4 GLASS:


404 Series


410 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 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 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 Balthazor

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

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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PREMDOR Collection Premium Quality Doors

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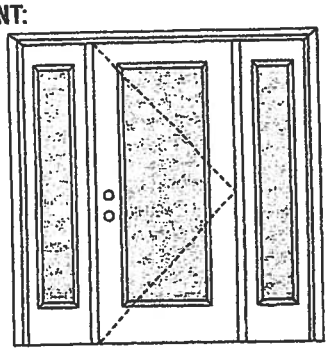
Masonite International Corporation

OXO
Glazed Inswing Unit

COP-WL-JH4144-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Single Door with 2 Sidelites
Maximum unit size = 9'0" x 6'8"

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

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-MA0004-02 or MAD-WL-MA0007-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0004-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

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

Johnson™ EntrySystems

June 17, 2002
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PREMDOOR Collection Premium Quality Doors

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Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:


404 Series


410 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

APPROVED SIDELITE STYLES:


680 Series


129 Series


200 Series


12R, 12L, 23R, 23L, 24R, 24L Series


450 Series


152 Series


149 Series


109 Series


120, 122 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 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 and sidelite panels glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum 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 Balthazor

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

Warnock Hersey

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Johnson™ EntrySystems

June 17, 2002
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PREMDOOR Collection Premium Quality Doors

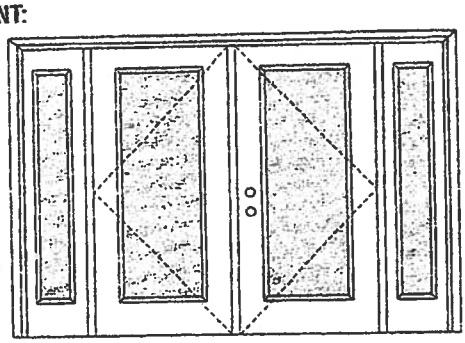
Exclusively from Masonite®
Masonite International Corporation

OXXO
Glazed Inswing Unit

COP-WL-JH4145-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door with 2 Sidelites
Maximum unit size = 12'0" x 6'8"

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.

Underwriters Laboratories

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0005-02 or MAD-WL-MA0008-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0005-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series

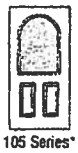

133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

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

Johnson™ EntrySystems

June 17, 2002
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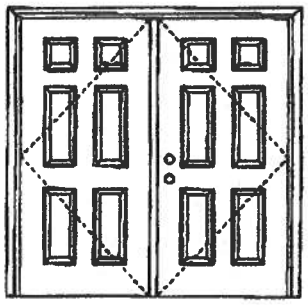
Exclusively from Masonite®
Masonite International Corporation

XX
Opaque Inswing Unit

COP-WL-JH4102-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Design Pressure
+45.0/-45.0
(limited water unless special threshold design is used)

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED.

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

Test Data Review Certificate #2026447A and COP/Test Report Validation Matrix #2026447A-001 provides additional information - available from the ITS/AWI website (www.atimywin.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

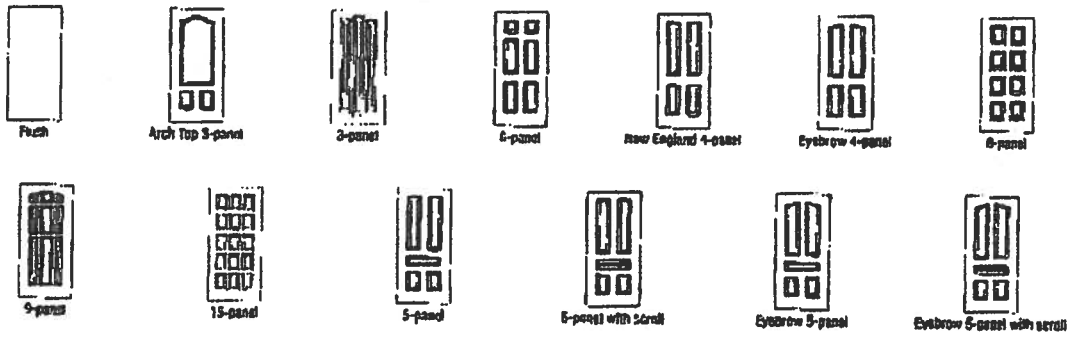
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0002-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:



Johnson EntrySystems

June 17, 2002
Our continuing program of product improvement means specifications, options and prices shall subject to change without notice.

PREMDOOR Collection Premium Quality Doors
Masonite
Masonite International Corporation

XX
Opaque Inswing Unit

COP-WL-JH4102-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-1905-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12;
NCTL 210-2185-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

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.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

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 Balthazor

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

Test Data Review Certificate #20264147A and COP/Test Report Validation Matrix #20264147A-001 provides additional information - available from the ITS/WH website (www.atlascfdo.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson EntrySystems

June 17, 2002

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

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

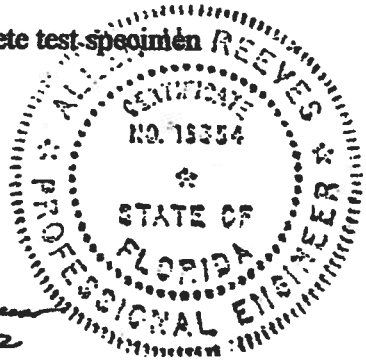
Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft^2
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

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



1 APRIL 2002

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

Allen N. Reeves
1 APRIL 2002

REEVES NO. 19354 STATE OF FLORIDA PROFESSIONAL ENGINEER

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 H. REEVES
CERTIFICATE NO. 19[illegible]
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen H. Reeves
1 APRIL 2002

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. [illegible] ☆ STATE OF FLORIDA ☆ PROFESSIONAL ENGINEER

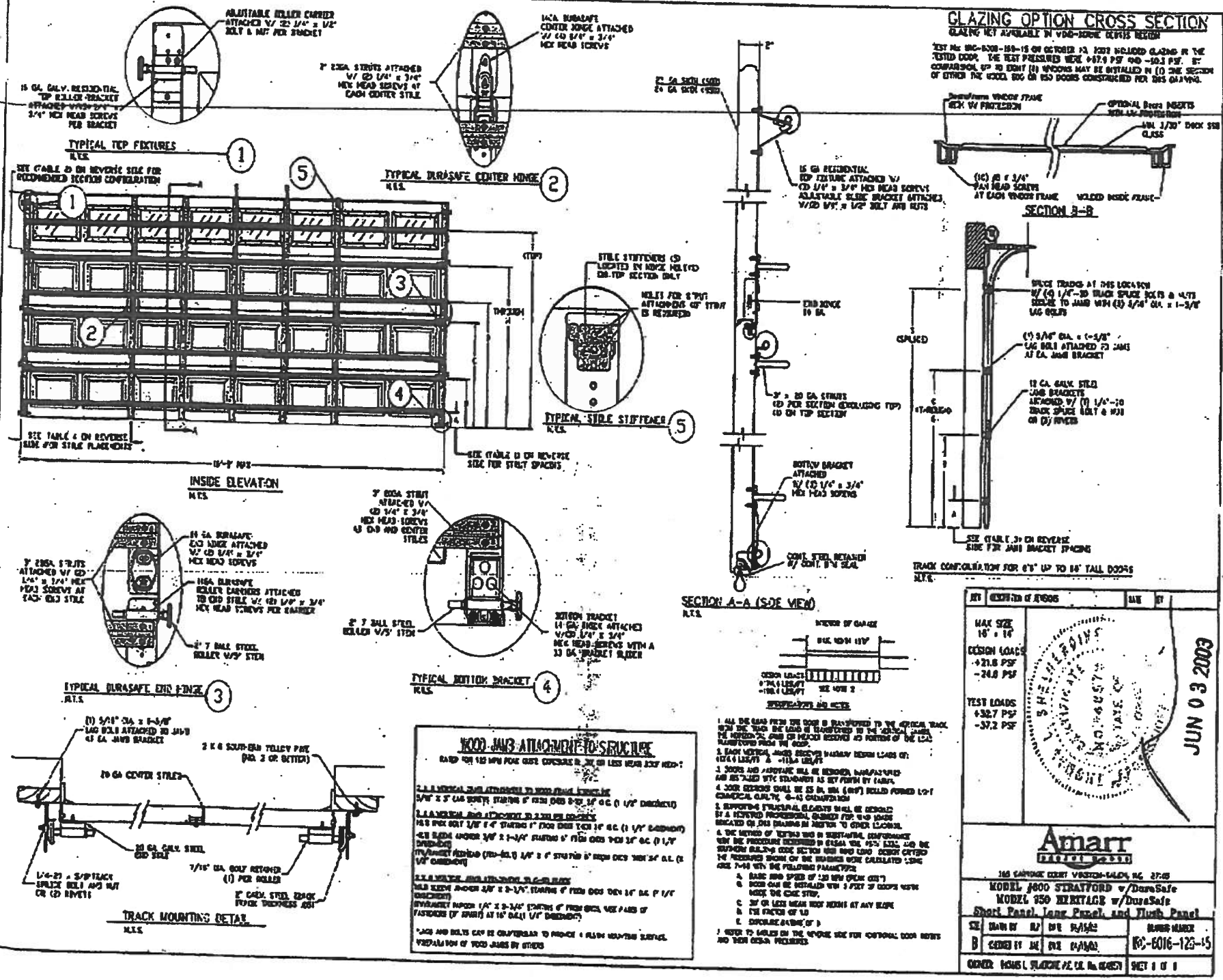

GLAZING OPTION CROSS SECTION
TYPICAL TOP FIXTURES
TYPICAL BURASAFE CENTER HINGE
TYPICAL STILE STIFFENER
INSIDE ELEVATION
SECTION B-B
SECTION A-A (SIDE VIEW)
TYPICAL BURASAFE END HINGE
TYPICAL BOTTOM BRACKET
TRACK MOUNTING DETAIL
TRACK CONFIGURATION FOR 6'6" UP TO 8'6" TALL DOORS
WOOD JAMB ATTACHMENT TO STRUCTURE
JUN 03 2003
Amarr
MODEL 8600 STRATFORD w/DuraSafe
MODEL 950 HERITAGE w/DuraSafe
Short Panel, Long Panel, and Flush Panel
MAX SIZE 16' x 16'
DESIGN LOADS +21.8 PSF -24.8 PSF
TEST LOADS +32.7 PSF -37.2 PSF
DRAWING NUMBER 8600-6016-125-15
SHEET 1 OF 1

TABLE 1

DOOR HEIGHT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	TOP T
6'6"	5 1/2	13 1/4	25 1/2	35 1/4	43 1/2	[illegible]	[illegible]								69 1/2
7'0"	[illegible]	13 1/4	25 1/2	30 1/4	46 1/2	50 1/4									73 1/2
7'6"	5 1/2	15 1/4	22 1/2	30 1/4	40 1/2	51 1/4	51 1/2	66 1/4							[illegible]
8'0"	5 1/2	13 1/4	25 1/2	35 1/4	43 1/2	54 1/4	61 1/2	72 1/4							85 1/2
8'6"	5 1/2	16 1/4	25 1/2	39 1/4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]
9'0"	5 1/2	15 1/4	22 1/2	33 1/4	40 1/2	51 1/4	58 1/2	69 1/4	76 1/2	87 1/4					97
9'6"	5 1/2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]
10'0"	5 1/2	13 1/4	25 1/2	38 1/4	45 1/2	60 1/4	57 1/2	78 1/4	85 1/2	95 1/4					109 1/2
10'6"	5 1/2	13 1/4	25 1/2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	102 1/4					115 1/2
11'0"	5 1/2	18 1/4	25 1/2	35 1/4	43 1/2	54 1/4	61 1/2	72 1/4	79 1/2	90 1/4	97 1/2	109 1/4			121 1/2
11'6"	5 1/2	19 1/4	25 1/2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	103 1/2	114 1/4			[illegible]
12'0"	5 1/2	19 1/4	25 1/2	39 1/4	46 1/2	60 1/4	67 1/2	81 1/4	88 1/2	102 1/4	109 1/2	120 1/4			133 1/2
12'6"	5 1/2	18 1/4	25 1/2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13'0"	5 1/2	13 1/4	25 1/2	39 1/4	48 1/2	50 1/4	57 1/2	78 1/4	85 1/2	95 1/4	103 1/2	114 1/4	121 1/2	132 1/4	145 1/2
13'6"	5 1/2	[illegible]	25 1/2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14'0"	5 1/2	8 1/4	25 1/2	39 1/4	46 1/2	60 1/4	57 1/2	81 1/4	86 1/2	102 1/4	109 1/2	123 1/4	130 1/2	144 1/4	157 1/2

TABLE 2

DOOR HEIGHT	Btm	#2	#3	#4	#5	#6	#7	#8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13'6"	21"	21"	21"	21"	21"	19"	18"	21"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12'6"	21"	18"	19"	19"	18"	18"	19"	21"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
11'6"	21"	21"	21"	19"	18"	18"	21"	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
10'5"	21"	21"	21"	21"	21"	21"		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
9'6"	21"	18"	18"	18"	19"	21"		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
8'6"	21"	21"	21"	18"	21"			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
7'6"	18"	19"	18"	19"	18"			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
6'6"	21"	18"	18"	21"				

TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT A	B	C	D	E	F	G	SPLICE S
[illegible]	10"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7'	10"	38"	56"					75"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8'	10"	34"	58"	82"				63"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9'	13"	34"	58"	82"				100"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100"	[illegible]	[illegible]	[illegible]
10'	10"	34"	58"	82"	105"			112"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11'	10"	34"	58"	82"	106"			124"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12'	10"	34"	58"	82"	106"	130"		136"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13'	10"	34"	58"	82"	106"	130"		148"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100"	[illegible]	[illegible]	[illegible]
14'	13"	34"	58"	82"	103"	130"	154"	160"

TABLE 4

Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge) 1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)
10' 0	Short	48.438	71.594	[illegible]	[illegible]	[illegible]
10' 0	Long	30.000	60.000	90.000		
12' 0	Short	48.812	72.000	[illegible]	[illegible]	[illegible]
12' 0	Long	49.625	72.000	94.375		
12' 2	Short	49.636	73.000	[illegible]	[illegible]	[illegible]
12' 2	Long	50.084	73.000	95.515		
[illegible]	Short	50.636	74.000	[illegible]	[illegible]	[illegible]
12' 4	Long	51.024	74.000	96.916		
[illegible]	Short	50.670	75.000	[illegible]	[illegible]	[illegible]
12' 6	Long	51.170	75.000	98.830		
[illegible]	Short	51.570	76.000	[illegible]	[illegible]	[illegible]
12' 8	Long	52.100	76.000	99.900	·	
[illegible]	Short	52.250	77.000	[illegible]	[illegible]	[illegible]
12' 10	Long	53.100	77.000	100.900		
[illegible]	Short	53.000	[illegible]	[illegible]	[illegible]	[illegible]
13' 0	Long	54.100	78.000	101.600	·	
[illegible]	Short	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13' 2	Long	55.100	79.000	102.900		
[illegible]	Short	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13' 4	Long	54.900	80.000	105.130		
[illegible]	Short	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13' 6	Long	55.903	81.000	106.100		
[illegible]	Short	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13' 8	Long	56.525	82.000	107.375		
[illegible]	Short	57.183	[illegible]	[illegible]	[illegible]	[illegible]
13' 10	Long	57.170	33.000	108.830		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14' 0	Long	56.625	84.000	109.375		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14' 2	Long	59.170	85.000	110.830		
[illegible]	Short	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14' 4	Long	60.170	86.000	111.830		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14' 6	Long	61.170	87.000	112.8300		
[illegible]	[illegible]	60.563	[illegible]	[illegible]	[illegible]	[illegible]
14' 8	Long	44.812	^66.406	88.000	^109.594	131.188
[illegible]	[illegible]	61.265	[illegible]	[illegible]	[illegible]	[illegible]
14' 10	Long	45.600	^67.300	89.000	^110.700	132.400
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15' 0	Long	46.500	^63.300	90.000	^111.700	133.400
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15' 2	Long	47.600	^69.330	91.000	^112.700	134.400
[illegible]	Short	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15' 4	Long	47.250	^69.625	92.000	^114.375	136.750
[illegible]	Short	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15' 6	Long	47.600	^70.300	93.000	^115.700	138.400
[illegible]	Short	47.624	[illegible]	[illegible]	[illegible]	[illegible]
15' 8	Long	48.600	^71.300	94.000	^116.700	139.400
[illegible]	Short	48.624	[illegible]	[illegible]	[illegible]	[illegible]
15' 10	Long	49.157	^72.084	95.000	^117.917	140.833
[illegible]	Short	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16' 0	Long	50.600	^73.300	95.000	^118.700	141.400

^ Stiles do not need to be hinged

TABLE 5

Section Width (ft)	Panel Type	Max Design Loads Allowed Positive (PSF)	Negative (PSF)
10' 0	Short	[illegible]	[illegible]
10' 0	Long	34.7	39.5
12' 0	Short	[illegible]	[illegible]
12' 0	Long	28.9	32.9
[illegible]	Short	[illegible]	[illegible]
12' 2	Long	28.5	32.5
[illegible]	Short	[illegible]	[illegible]
12' 4	Long	28.1	32.0
[illegible]	Short	[illegible]	[illegible]
12' 6	Long	27.8	31.6
[illegible]	Short	[illegible]	[illegible]
12' 8	Long	27.4	31.2
[illegible]	[illegible]	[illegible]	[illegible]
12' 10	Long	27.0	30.8
[illegible]	Short	[illegible]	[illegible]
13' 0	Long	26.7	30.4
[illegible]	[illegible]	[illegible]	[illegible]
13' 2	Long	26.4	30.0
[illegible]	[illegible]	[illegible]	[illegible]
13' 4	Long	26.0	29.6
[illegible]	[illegible]	[illegible]	[illegible]
13' 6	Long	25.7	29.2
[illegible]	[illegible]	[illegible]	[illegible]
13' 8	Long	25.4	28.9
[illegible]	[illegible]	[illegible]	[illegible]
13' 10	Long	25.1	28.5
[illegible]	[illegible]	[illegible]	[illegible]
14' 0	Long	24.8	28.2
[illegible]	[illegible]	[illegible]	[illegible]
14' 2	Long	24.5	27.9
[illegible]	[illegible]	[illegible]	[illegible]
14' 4	Long	24.2	27.5
[illegible]	[illegible]	[illegible]	[illegible]
14' 6	Long	23.9	27.2
[illegible]	Short	[illegible]	[illegible]
14' 8	Long	23.7	26.9
[illegible]	Short	[illegible]	[illegible]
14' 10	Long	23.4	26.6
[illegible]	[illegible]	[illegible]	[illegible]
15' 0	Long	23.1	26.3
[illegible]	[illegible]	[illegible]	[illegible]
15' 2	Long	22.9	26.0
[illegible]	[illegible]	[illegible]	[illegible]
15' 4	Long	22.6	25.7
[illegible]	[illegible]	[illegible]	[illegible]
15' 6	Long	22.4	25.5
[illegible]	Short	[illegible]	[illegible]
15' 8	Long	22.2	25.2
[illegible]	Short	[illegible]	[illegible]
15' 10	Long	21.9	24.9
[illegible]	Short	[illegible]	[illegible]
16' 0	Long	21.8	24.8

16x7

ASTM HERITAGE 30 AR®

PRODUCT DATA

LAMINATED ASPHALT SHINGLES

Manufactured in Tuscaloosa, AL.

ASTM HERITAGE 30 AR® shingles feature a double-layer fiberglass mat construction with a random-cut sawtooth design. The two layers of mat are coated with asphalt and then laminated together and surfaced with mineral granules that will help protect against discoloration caused by algae. A self-sealing strip of asphalt helps provide added wind resistance.

USES

For application to roof decks with inclines of not less than 2 inches per foot. For slopes between 2 inches and 4 inches per foot, refer to wrapper instructions.

ADVANTAGES

- 30 year limited warranty, 5 year FULL START, limited transferability, winds up to 70 MPH
- Affordable upgrade from 3-tab shingles
- Superior fire resistance compared to organic shingles
- Rustic beauty of wood shakes
- Shadowtone feature adds depth and dimensional appearance
- Algae resistant granules to protect against discoloration in areas where extreme humidity is a problem
- 10 year limited warranty against discoloration caused by certain algae growth

CERTIFICATIONS

UL Class A Fire Rating
UL Wind Resistant

Fed. Spec.: Exceeds SS-S-001534, Class A, Type I

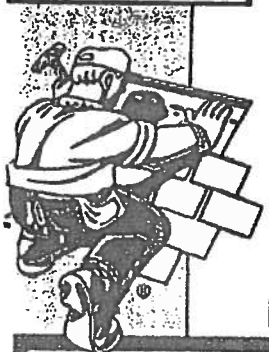
ASTM D 3018, Type I
ASTM E 108, Class A
ASTM D 3161, Type I (modified to 110 mph)
ASTM D 3462

COLORS

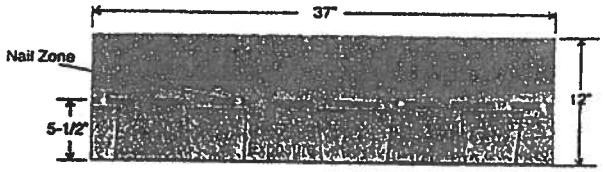
Classic Heritage Colors:

- Weathered Wood
- Rustic Cedar
- Rustic Hickory
- Driftwood
- Oxford Grey
- Shadow Grey
- Desert Sand
- Rustic Black
- Olde English Pewter
- Glacier White
- Rustic Evergreen

PRODUCT DATA*



Shingle size	12" X 37"
Exposure	5"
Shingles per square	78
Bundles per square	3



*All values stated as nominal

CAUTION: The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Do not heat or burn this product.

TAMKO®
ROOFING PRODUCTS

TAMKO® is a registered trademark of TAMKO Roofing Products, Inc.

Visit our Web Site at www.tamko.com

01/2002

Central District	220 West 4th St., Joplin, MO	64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD	21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL	35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX	75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO	80216	800-530-8868

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise. #24347

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB109478 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Edgely Construction Company Phone No. 752-0580

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Hutchinson / Borndini
359 SW Brothers Ln.
Lake City, FL 32024

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 1' Inside 2' Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 6/27/06
Brand Name of Product(s) Used Cuper TC
EPA Registration No. 100-1006
Approximate Final Mix Solution % .25%
Approximate Size of Treatment Area: Sq. ft. 4139 Linear ft. 402 Linear ft. of Masonry Voids 388
Approximate Total Gallons of Solution Applied 890 gals.
Was treatment completed on exterior? ☐ Yes ☑ No
Service Agreement Available? ☑ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)
Comments

Name of Applicator(s) S. Gregory / T. Dryden Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [signature] Date 6/27/06

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 12-4S-16-02941-103 **Building permit No.** 000024347

Use Classification SFD,UTILITY **Fire:** 44.64

Permit Holder DOUG EDGLEY **Waste:** 134.00

Owner of Building ARTHUR HUTCHISON/ANN BORMOLINI **Total:** 178.64

Location: 359 SW BROTHERS LANE(SOUTHERN LANDINGS,LOT 3)

Date: 02/23/2007

Harry Dicks by G
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)