DATE 07/10/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000026005

APPLICANT GERALD BISQUE PHONE 386.755.6432

ADDRESS 1942 SW MAYO ROAD LAKE CITY FL 32024

OWNER GERALD & LISA BISQUE PHONE 755-6432

ADDRESS 1942 SW MAYO ROAD LAKE CITY FL 32024

CONTRACTOR GERLAD BISQUE PHONE 755.6432

LOCATION OF PROPERTY 90 WEST, L PINEMOUNT, R MAYO, GO 1.5 MILES ON RIGHT 30' EASEMENT.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA 1869.00 TOTAL AREA _____ HEIGHT _____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 5'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

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

PARCEL ID 01-4S-15-00311-005 SUBDIVISION _____

LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES _____

000001266 _____ _____ _____

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

WAIVER APPROVED | 06-0763-N | BLK | RTJ | N

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

COMMENTS: 1 FOOT ABOVE THE ROAD. THIS PERMIT REPLACES ORIGINAL PERMIT # 25266.

ALL FEES WERE PAID ON PERMIT# 25266.

Check # or Cash NO CHARGE

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 $ 0.00 CERTIFICATION FEE $ 0.00 SURCHARGE FEE $ 0.00

MISC. FEES $ 0.00 ZONING CERT. FEE $ _____ FIRE FEE $ 0.00 WASTE FEE $ _____

FLOOD DEVELOPMENT FEE $ _____ FLOOD ZONE FEE $ _____ CULVERT FEE $ _____ **TOTAL FEE** 0.00

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.

DATE 07/10/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000026005

APPLICANT GERALD BISQUE PHONE 386.755.6432

ADDRESS 1942 SW MAYO ROAD LAKE CITY FL 32024

OWNER GERALD & LISA BISQUE PHONE 755-6432

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LOCATION OF PROPERTY 90 WEST, L PINEMOUNT, R MAYO, GO 1.5 MILES ON RIGHT 30' EASEMENT.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA 1869.00 TOTAL AREA _____ HEIGHT _____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 5'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

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

PARCEL ID 01-4S-15-00311-005 SUBDIVISION _____

LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES _____

000001266			
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
WAIVER APPROVED	06-0763-N	BLK	RTJ	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: 1 FOOT ABOVE THE ROAD. THIS PERMIT REPLACES ORIGINAL PERMIT # 25266.
ALL FEES WERE PAID ON PERMIT# 25266.

Check # or Cash NO CHARGE

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 $ 0.00 CERTIFICATION FEE $ 0.00 SURCHARGE FEE $ 0.00

MISC. FEES $ 0.00 ZONING CERT. FEE $ _____ FIRE FEE $ 0.00 WASTE FEE $ _____

FLOOD DEVELOPMENT FEE $ _____ FLOOD ZONE FEE $ _____ CULVERT FEE $ _____ **TOTAL FEE** 0.00

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.

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

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

(✓) Single Family Dwelling
( ) Farm Outbuilding
( ) Two-Family Residence
( ) Other_____

NEW CONSTRUCTION OR IMPROVEMENT

( ) New Construction
( ) Addition, Alteration, Modification or other Improvement

I GERALD BISQUE, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number 26005

Owner Builder Signature 7-10-07 Date

The above signer is personally known to me or produced identification DL= 3-200-281-57-306-0

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

Notary Signature Lori Hodson Date 7-7-07 (Stamp / Seal)

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 7-10-07 Building Official/Representative Daniel L. Driggers

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and inaccordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.
IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 01-4S-15-00311-005 **Permit Number** 00026005

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

5 ACRES MOL
1942 SW MAYO ROAD
LAKE CITY FL. 32024

2. General description of improvement: CONSTRUCTION OF NEW HOUSE

3. Owner Name & Address JERRY BISQUE 269 SW MELODY GLENN
LAKE CITY, FL 32024 **Interest in Property** OWNER 100%

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

5. Contractor Name GERALD BISQUE **Phone Number** 386 755-6432
Address 269 SW MELODY GLEN LAKE City, FL. 32024

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

7. Lender Name N/A **Phone Number**
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 William H. Freeman **Phone Number** (386) 758-4209
Address 161 NW MADISON STREET. SUITE 102

9. In addition to himself/herself the owner designates N/A **of**
to receive a copy of the Lien Notice as provided in Section 713.13 (1) –

(a) 7. Phone Number of the designee

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

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN IN HIS/HER STEAD.

/ Gerald Bisque
Signature of Owner

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

Sworn to (or affirmed) and subscribed before day of 07-07, **20** 07.

Laurie Hodson **NOTARY STAMP/SEAL** DL: B-200. 281-57-306-0
Signature of Notary

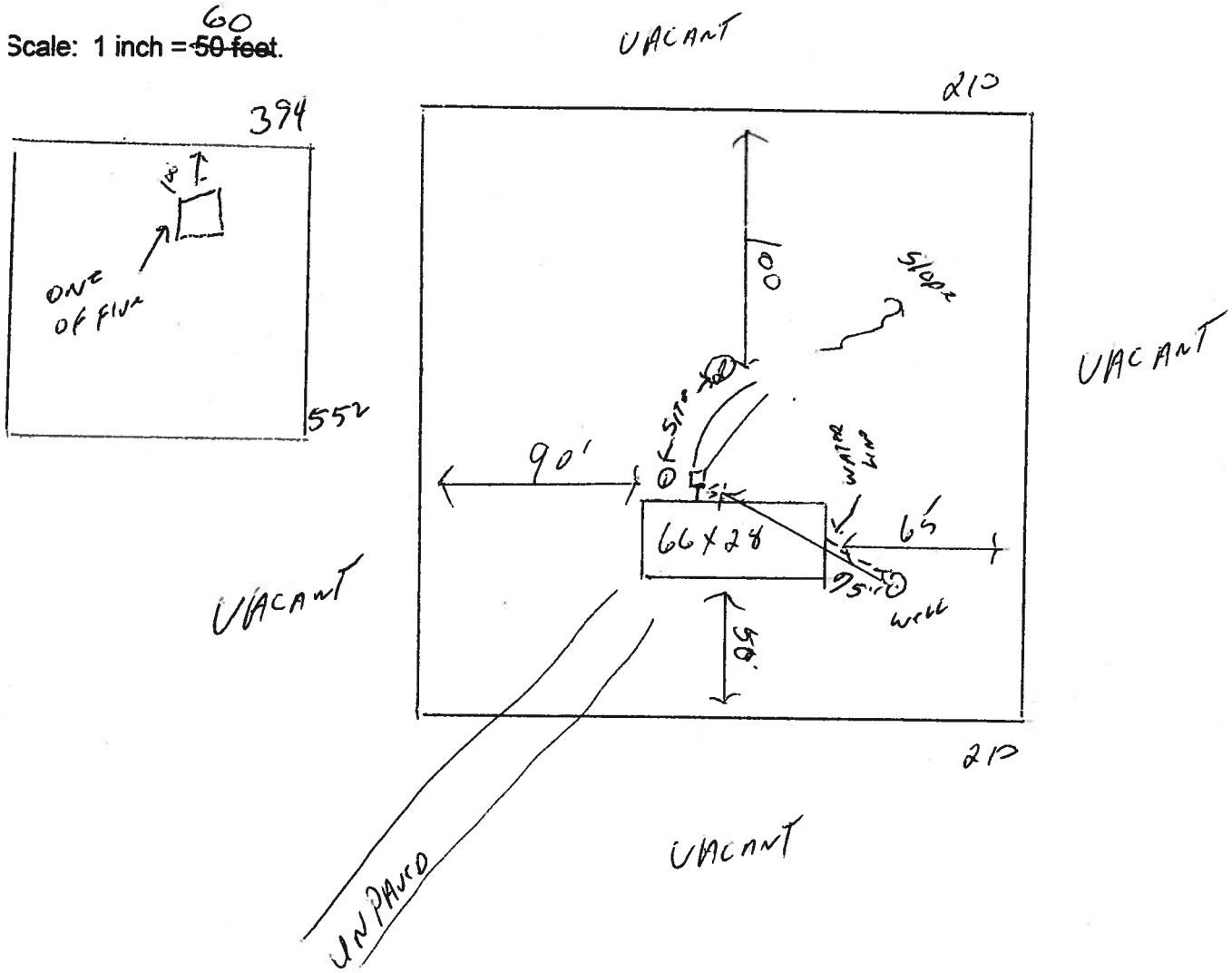
Inst:200712015225 Date:7/10/2007 Time:10:01 AM
DC,P.DeWitt Cason ,Columbia County Page 1 of 1

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

Permit Application Number 06-0763N

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

Scale: 1 inch = ~~50 feet~~ 60.



Notes: _____

Site Plan submitted by: QC Ford

MASTER CONTRACTOR

Plan Approved ✓ Not Approved ____ Date 8/23/06

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

PIN# 01-4S-15-00311-009

Inst:2005019708 Date:08/15/2005 Time:14:27
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1055 P:237

This Instrument Prepared by & return to:
Name: GERALD BISQUE
Address: 269 SW MELODY GLEN
LAKE CITY, FL 32024

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

THIS WARRANTY DEED Made the 4th day of 8th, 2005 A.D., by NEIL MCLAUGHLIN, A SINGLE MAN, hereinafter called the grantor GERALD BISQUE and LISA BISQUE, HUSBAND AND WIFE, whose post office address is 269 SW MELODY GLEN, LAKE CITY, FL 32024, hereinafter called the grantees:

(Wherever used herein the terms "grantor" and "grantees" 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 grantor, for and in consideration of the sum of $10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in Columbia County, State of FLORIDA, viz:

BEGIN AT THE NE CORNER OF THE NW ¼ OF THE NE ¼ OF SECTION 1, TOWNSHIP 4 SOUTH, RANGE 15 EAST, COLUMBIA COUNTY, FLORIDA AND RUN S.00°27'07" E., ALONG THE EAST LINE THEREOF, 394.05 FEET; THENCE S.88°28'47"W., 552.84 FEET; THENCE N.00°27'07"W., 394.02 FEET TO THE NORTH LINE OF SAID NW ¼ OF NE ¼ ; THENCE N.88°28'35"E., 552.84 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS THE NORTH 30.00 FEET OF THE WEST 775. 53 FEET OF THE NW ¼ OF THE NE ¼ OF SECTION 1, TOWNSHIP 4 SOUTH, RANGE 15 EAST, COLUMBIA COUNTY FLORIDA.

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

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

And the grantor hereby covenants with said grantees that he is lawfully seized of said land in fee simple; that he has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.

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

Signed, sealed and delivered in the presence of:

Witness Signature
Janis Milton
Printed Name

Witness Signature
Gina Nicolo
Printed Name

Neil McLaughlin L.S.
NEIL MCLAUGHLIN
Address:
1918 SW MAYO ROAD, LAKE CITY, FL 32024

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 15th day of Aug, 2005, by NEIL MCLAUGHLIN, who is known to me or who has produced FLDL M242-630-54-309-0 as identification.

NOTARY PUBLIC-STATE OF FLORIDA
Jarodanne Rentz
Commission # DD444940
Expires: JUNE 26, 2009
Bonded Thru Atlantic Bonding Co., Inc.

Jarodanne Rentz
Notary Public
My commission expires June 26, 2009

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

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

Tax Parcel ID Number 01-4S-15-00311-005 **PERMIT NUMBER** _____

1. **Description of property: (legal description of the property and street address or 911 address)**
1942 SW Mayo Rd, Lake City, Fl 32024
Property id # 01-4S-15-00311-005

2. **General description of improvement:** new construction

3. **Owner Name & Address** Gerald & Lisa Bisque - 209 SW melody Glenn, Lake City, Fl 32024 **Interest in Property** _____

4. **Name & Address of Fee Simple Owner (If other than owner):** n/A

5. **Contractor Name** William Freeman **Phone Number** 758-4209
Address 161 nw madison St. #102, Lake City, Fl 32055

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

Inst:2006027570 Date:11/21/2006 Time:14:25
S.T. DC,P.DeWitt Cason,Columbia County B:1102 P:1629

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 _____ **Phone Number** _____
Address _____

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

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

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

Sworn to (or affirmed) and subscribed before day of Nov. 30, **20** 06

Gerald Bisque
Signature of Owner

NOTARY STAMP/SEAL

FALLON SEILING
Notary Public - State of Florida
My Commission Expires Jan 20, 2008
Commission # DD 386418
Bonded By National Notary Assn.

Fallon Seiling
Signature of Notary

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Bisque Residence**	Builder:	**Freeman, William**
Address:		Permitting Office:	**Columbia**
City, State:	,	Permit Number:	
Owner:	**Jerry Bisque**	Jurisdiction Number:	
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		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1869 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	146.0 ft²	0.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 168.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=19.0, 1344.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2055.9 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 56.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

Glass/Floor Area: 0.08

Total as-built points: 20389
Total base points: 27627

PASS

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

PREPARED BY: Walter A Free

DATE: 11/21/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	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	1869.0	20.04	6741.9	Single, Clear	E	1.5	5.0	8.0	47.92	0.87	335.3
				Single, Clear	E	1.5	4.0	18.0	47.92	0.82	703.5
				Single, Clear	E	1.5	6.0	20.0	47.92	0.91	874.8
				Single, Clear	W	1.5	6.0	100.0	43.84	0.91	4004.0
				As-Built Total:				**146.0**			**5917.6**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			19.0	1344.0	0.90		1209.6
Exterior	1344.0	1.70	2284.8								
Base Total:	**1344.0**		**2284.8**	**As-Built Total:**				**1344.0**			**1209.6**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Wood				20.4	6.10		124.4
Exterior	20.4	6.10	124.4								
Base Total:	**20.4**		**124.4**	**As-Built Total:**				**20.4**			**124.4**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	1869.0	1.73	3233.4	Under Attic			30.0	2055.9	1.73 X 1.00		3556.7
Base Total:	**1869.0**		**3233.4**	**As-Built Total:**				**2055.9**			**3556.7**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	168.0(p)	-37.0	-6216.0	Slab-On-Grade Edge Insulation			0.0	168.0(p	-41.20		-6921.6
Raised	0.0	0.00	0.0								
Base Total:			**-6216.0**	**As-Built Total:**				**168.0**			**-6921.6**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	1869.0	10.21	19082.5					1869.0	10.21		19082.5

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**25251.0**	**Summer As-Built Points:**						**22969.2**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
25251.0	**0.4266**		**10772.1**	22969.2 **22969.2**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.263 **0.263**	0.857 **0.857**		5882.2 **5882.2**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	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	1869.0	12.74	4286.0	Single, Clear	E	1.5	5.0	8.0	26.41	1.05	221.8	
				Single, Clear	E	1.5	4.0	18.0	26.41	1.07	510.7	
				Single, Clear	E	1.5	6.0	20.0	26.41	1.04	546.9	
				Single, Clear	W	1.5	6.0	100.0	28.84	1.02	2951.7	
				As-Built Total:				**146.0**			**4231.2**	
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			19.0	1344.0	2.20		2956.8	
Exterior	1344.0	3.70	4972.8									
Base Total:	**1344.0**		**4972.8**	**As-Built Total:**				**1344.0**			**2956.8**	
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Wood				20.4	12.30		250.9	
Exterior	20.4	12.30	250.9									
Base Total:	**20.4**		**250.9**	**As-Built Total:**				**20.4**			**250.9**	
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1869.0	2.05	3831.4	Under Attic			30.0	2055.9	2.05 X 1.00		4214.6	
Base Total:	**1869.0**		**3831.4**	**As-Built Total:**				**2055.9**			**4214.6**	
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Slab	168.0(p)	8.9	1495.2	Slab-On-Grade Edge Insulation			0.0	168.0(p	18.80		3158.4	
Raised	0.0	0.00	0.0									
Base Total:			**1495.2**	**As-Built Total:**				**168.0**			**3158.4**	
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points	
	1869.0	-0.59	-1102.7					1869.0	-0.59		-1102.7	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**13733.7**	**Winter As-Built Points:**					**13709.2**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
13733.7	**0.6274**	**8616.5**	13709.2 **13709.2**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.426 **0.426**	0.950 **0.950**	6451.7 **6451.7**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3	2746.00	8238.0		50.0	0.90	3	1.00	2684.98	1.00	8054.9	
				As-Built Total:						**8054.9**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
10772	**8616**	**8238**	**27627**	**5882**	**6452**	**8055**	**20389**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	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 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have 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* = 88.3

The higher the score, the more efficient the home.

Jerry Bisque, , , ,

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1869 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	146.0 ft²	0.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 168.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=19.0, 1344.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2055.9 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 56.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

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 850/488-7824.*

Residential System Sizing Calculation

Summary

Jerry Bisque

Project Title:
Bisque Residence

Code Only
Professional Version
Climate: North

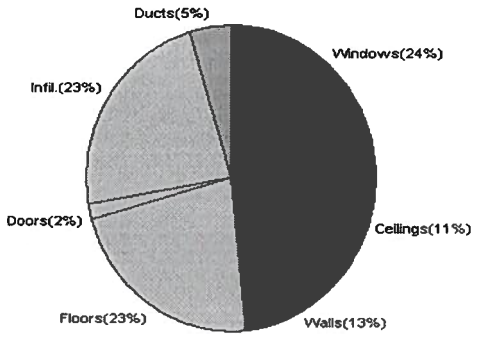
11/21/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**23552**	**Btuh**	**Total cooling load calculation**	**22948**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	152.9	36000	Sensible (SHR = 0.5)	101.2	18000
Heat Pump + Auxiliary(0.0kW)	152.9	36000	Latent	348.3	18000
			Total (Electric Heat Pump)	156.9	36000

WINTER CALCULATIONS

Winter Heating Load (for 1869 sqft)

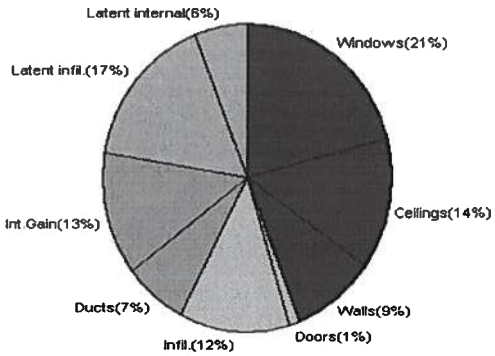
Load component			Load	
Window total	146	sqft	5636	Btuh
Wall total	1344	sqft	3091	Btuh
Door total	20	sqft	366	Btuh
Ceiling total	2056	sqft	2673	Btuh
Floor total	168	ft	5309	Btuh
Infiltration	125	cfm	5356	Btuh
Subtotal			**22430**	**Btuh**
Duct loss			1122	Btuh
TOTAL HEAT LOSS			**23552**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1869 sqft)

Load component			Load	
Window total	146	sqft	4818	Btuh
Wall total	1344	sqft	2124	Btuh
Door total	20	sqft	251	Btuh
Ceiling total	2056	sqft	3207	Btuh
Floor total			0	Btuh
Infiltration	109	cfm	2764	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**16163**	**Btuh**
Duct gain			1616	Btuh
Total sensible gain			**17779**	**Btuh**
Latent gain(infiltration)			3789	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**5169**	**Btuh**
TOTAL HEAT GAIN			**22948**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: [signature]
DATE: 11/21/06

System Sizing Calculations - Winter

Residential Load - Component Details

Jerry Bisque

Project Title:
Bisque Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

11/21/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	1, Clear, Wood, DEF	N	8.0	38.6	309 Btuh
2	1, Clear, Wood, DEF	N	18.0	38.6	695 Btuh
3	1, Clear, Wood, DEF	N	20.0	38.6	772 Btuh
4	1, Clear, Wood, DEF	S	100.0	38.6	3860 Btuh
	Window Total		146		5636 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	19.0	1344	2.3	3091 Btuh
	Wall Total		1344		3091 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		20	17.9	366 Btuh
	Door Total		20		366Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2056	1.3	2673 Btuh
	Ceiling Total		2056		2673Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	168.0 ft(p)	31.6	5309 Btuh
	Floor Total		168		5309 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	18690(sqft)	125	5356 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			125	5356 Btuh

Totals for Heating	**Subtotal**	**22430 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1122 Btuh**
	Total Btuh Loss	**23552 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)

System Sizing Calculations - Summer

Residential Load - Component Details

Jerry Bisque

Project Title:
Bisque Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 11/21/2006

Window	Type Panes/SHGC/U/InSh/ExSh Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1, Clear, DEF, N, N N	1.5	5	8.0	0.0	8.0	33	33	264 Btuh
2	1, Clear, DEF, N, N N	1.5	4	18.0	0.0	18.0	33	33	594 Btuh
3	1, Clear, DEF, N, N N	1.5	6	20.0	0.0	20.0	33	33	660 Btuh
4	1, Clear, DEF, N, N S	1.5	6	100.0	100.0	0.0	33	50	3300 Btuh
	Window Total			146					4818 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Exterior	19.0	1344.0	1.6	2124 Btuh
	Wall Total		1344.0		2124 Btuh

Doors	Type	Area	HTM	Load
1	Wood - Exter	20.4	12.3	251 Btuh
	Door Total	20.4		251 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	30.0	2055.9	1.6	3207 Btuh
	Ceiling Total		2055.9		3207 Btuh

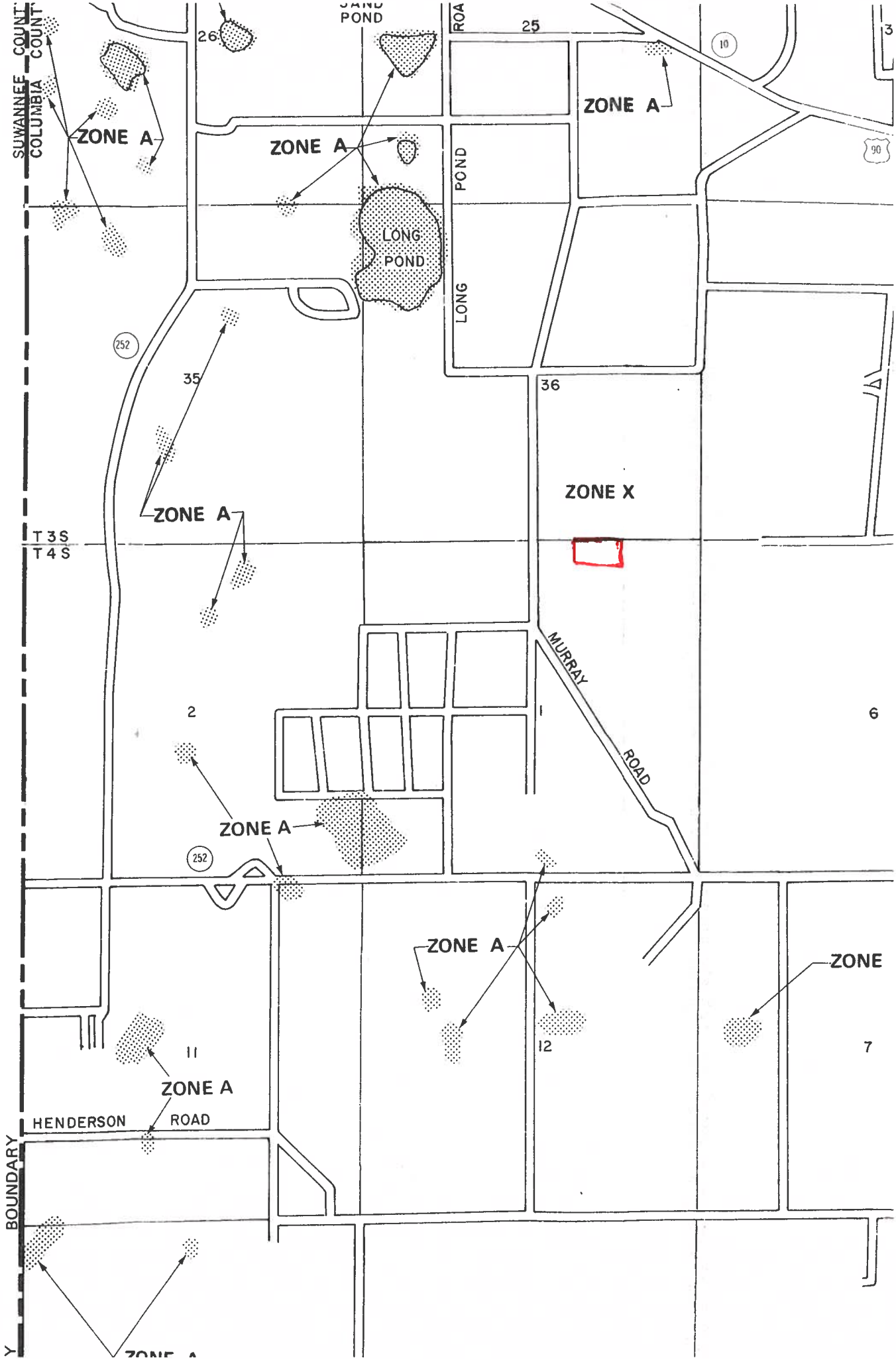
Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	168.0 ft(p)	0.0	0 Btuh
	Floor Total		168.0		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	18690	109.2	2764 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			109	2764 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 300 +	1200	3000 Btuh

Totals for Cooling	**Subtotal**	**16163 Btuh**
	Duct gain(using duct multiplier of 0.10)	**1616 Btuh**
	Total sensible gain	**17779 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**3789 Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**22948 Btuh**

Key: Window types (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/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)


SUWANNEE COUNT
COLUMBIA COUNT
ZONE A
26
SAND POND
ROA
25
10
3
ZONE A
ZONE A
POND
LONG POND
LONG
90
252
35
36
ZONE X
ZONE A
T 3S
T 4S
MURRAY ROAD
2
1
6
ZONE A
252
ZONE A
ZONE
11
12
7
ZONE A
HENDERSON ROAD
BOUNDARY
ZONE A

0611-46

Columbia County Building Permit Application

Revised 9-23-04

1266

For Office Use Only Application # 0611-46 Date Received 11/21/06 By LH Permit # 25266

Application Approved by - Zoning Official BLK Date 29.11.06 Plans Examiner OK JTH Date 1-22-06

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

Comments PLOT PLAN ON PLANS

Applicants Name William Freeman Phone 758-4209

Address 161 nw madison St. #102, Lake City, FL 32055

Owners Name Gerald & Lisa Bisque Phone 755-6432

911 Address 1942 SW Mayo, Lake City, FL 32024

Contractors Name William Freeman Phone 758-4209

Address 161 nw madison St. #102, Lake City, FL 32055

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address William Freeman

Mortgage Lenders Name & Address N/A

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

Property ID Number 01-4S-15-00311-005 Estimated Cost of Construction

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

Driving Directions FROM LAKE CITY TAKE US. 90 WEST, LEFTON PINEMOUNT RIGHT ON MAYO RD. GO 1½ MILES TURN RIGHT ON 30' EASEMENT

Type of Construction NEW SFD Number of Existing Dwellings on Property N/A

Total Acreage 40 AC Lot Size ___ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 50 Side 90 Side 65 Rear 100

Total Building Height 16 Number of Stories 1 Heated Floor Area 1869 Roof Pitch 5/12

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

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

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.

William H. Freeman
Owner Builder or Agent (Including Contractor)

William H Freeman
Contractor Signature

Contractors License Number CBC060026

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Notary Public - State of Florida
My Commission Expires Jan 20, 2009
Commission # DD 388418
Bonded By National Notary Assn.

Sworn to (or affirmed) and subscribed before me this 21st day of NOV. 20 06.

Personally known ✓ or Produced Identification ___

Fallon Sellers
Notary Signature

Attention: Weezie

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000001266

DATE: 12/01/2006 BUILDING PERMIT NO. 25266

APPLICANT WILLIAM FREEMAN PHONE 758-4209

ADDRESS 161 NW MADISON ST 102 LAKE CITY FL 32055

OWNER GERALD & LISA BISQUE PHONE 755-6432

ADDRESS 1942 SW MAYO LAKE CITY FL 32024

CONTRACTOR WILLIAM FREEMAN PHONE 758-4209

LOCATION OF PROPERTY 90 WEST, L PINEMOUNT, R MAYO, GO 1.5 MILES ON RIGHT 30' EASEMENT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 01-4S-15-00311-005

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

SIGNATURE: William H. Freeman

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

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

✓ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS:

SIGNED: Ray Pritts DATE: 12-7-06

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

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

RECEIVED
DEC 04 2006
By:

COLUMBIA COUNTY GATEWAY TO FLORIDA

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Bisque Residence**	Builder:	**Freeman, William**
Address:		Permitting Office:	**Columbia**
City, State:	,	Permit Number:	
Owner:	**Jerry Bisque**	Jurisdiction Number:	
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		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1869 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	146.0 ft²	0.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 168.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=19.0, 1344.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2055.9 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 56.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

Glass/Floor Area: 0.08

Total as-built points: 20389
Total base points: 27627

PASS

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

PREPARED BY: Will A. Freeman

DATE: 11/21/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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	1869.0	20.04	6741.9	Single, Clear	E	1.5	5.0	8.0	47.92	0.87	335.3	
				Single, Clear	E	1.5	4.0	18.0	47.92	0.82	703.5	
				Single, Clear	E	1.5	6.0	20.0	47.92	0.91	874.8	
				Single, Clear	W	1.5	6.0	100.0	43.84	0.91	4004.0	
				As-Built Total:				**146.0**			**5917.6**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			19.0	1344.0	0.90		1209.6	
Exterior	1344.0	1.70	2284.8									
Base Total:	**1344.0**		**2284.8**	**As-Built Total:**				**1344.0**			**1209.6**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Wood				20.4	6.10		124.4	
Exterior	20.4	6.10	124.4									
Base Total:	**20.4**		**124.4**	**As-Built Total:**				**20.4**			**124.4**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1869.0	1.73	3233.4	Under Attic			30.0	2055.9	1.73 X 1.00		3556.7	
Base Total:	**1869.0**		**3233.4**	**As-Built Total:**				**2055.9**			**3556.7**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	168.0(p)	-37.0	-6216.0	Slab-On-Grade Edge Insulation			0.0	168.0(p	-41.20		-6921.6	
Raised	0.0	0.00	0.0									
Base Total:			**-6216.0**	**As-Built Total:**				**168.0**			**-6921.6**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1869.0	10.21	19082.5					1869.0	10.21		19082.5	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points:		**25251.0**	**Summer As-Built Points:**					**22969.2**
Total Summer Points	System Multiplier	Cooling Points	Total Component	Cap Ratio	Duct Multiplier (DM x DSM x AHU)	System Multiplier	Credit Multiplier	Cooling Points
25251.0	**0.4266**	**10772.1**	22969.2 **22969.2**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.263 **0.263**	0.857 **0.857**	5882.2 **5882.2**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	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	1869.0	12.74	4286.0	Single, Clear	E	1.5	5.0	8.0	26.41	1.05	221.8	
				Single, Clear	E	1.5	4.0	18.0	26.41	1.07	510.7	
				Single, Clear	E	1.5	6.0	20.0	26.41	1.04	546.9	
				Single, Clear	W	1.5	6.0	100.0	28.84	1.02	2951.7	
				As-Built Total:				**146.0**			**4231.2**	
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			19.0	1344.0	2.20		2956.8	
Exterior	1344.0	3.70	4972.8									
Base Total:	**1344.0**		**4972.8**	**As-Built Total:**				**1344.0**			**2956.8**	
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Wood				20.4	12.30		250.9	
Exterior	20.4	12.30	250.9									
Base Total:	**20.4**		**250.9**	**As-Built Total:**				**20.4**			**250.9**	
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X WCM	=	Points	
Under Attic	1869.0	2.05	3831.4	Under Attic			30.0	2055.9	2.05 X 1.00		4214.6	
Base Total:	**1869.0**		**3831.4**	**As-Built Total:**				**2055.9**			**4214.6**	
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Slab	168.0(p)	8.9	1495.2	Slab-On-Grade Edge Insulation			0.0	168.0(p	18.80		3158.4	
Raised	0.0	0.00	0.0									
Base Total:			**1495.2**	**As-Built Total:**				**168.0**			**3158.4**	
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points	
	1869.0	-0.59	-1102.7					1869.0	-0.59		-1102.7	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**13733.7**	**Winter As-Built Points:**					**13709.2**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
13733.7	**0.6274**	**8616.5**	13709.2 **13709.2**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.426 **0.426**	0.950 **0.950**	6451.7 **6451.7**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	50.0	0.90	3	1.00	2684.98	1.00	8054.9	
				As-Built Total:						**8054.9**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
10772	**8616**	**8238**	**27627**	**5882**	**6452**	**8055**	**20389**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	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 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have 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* = 88.3

The higher the score, the more efficient the home.

Jerry Bisque, , , ,

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1869 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	146.0 ft²	0.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 168.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=19.0, 1344.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2055.9 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 56.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

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 850/488-1824.*

Residential System Sizing Calculation

Summary

Jerry Bisque

Project Title:
Bisque Residence

Code Only
Professional Version
Climate: North

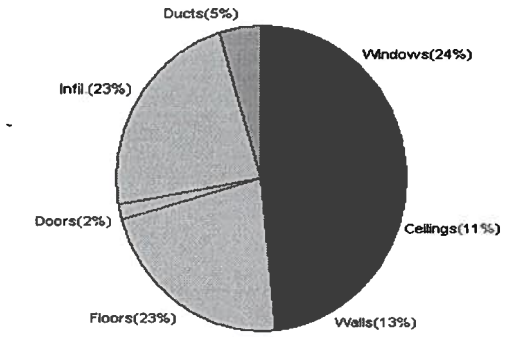
11/21/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**23552**	**Btuh**	**Total cooling load calculation**	**22948**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	152.9	36000	Sensible (SHR = 0.5)	101.2	18000
Heat Pump + Auxiliary(0.0kW)	152.9	36000	Latent	348.3	18000
			Total (Electric Heat Pump)	156.9	36000

WINTER CALCULATIONS

Winter Heating Load (for 1869 sqft)

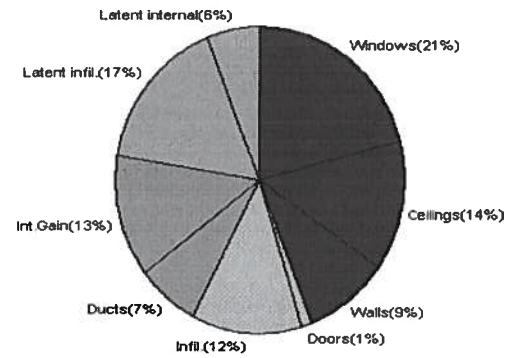
Load component			Load	
Window total	146	sqft	5636	Btuh
Wall total	1344	sqft	3091	Btuh
Door total	20	sqft	366	Btuh
Ceiling total	2056	sqft	2673	Btuh
Floor total	168	ft	5309	Btuh
Infiltration	125	cfm	5356	Btuh
Subtotal			**22430**	**Btuh**
Duct loss			1122	Btuh
TOTAL HEAT LOSS			**23552**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1869 sqft)

Load component			Load	
Window total	146	sqft	4818	Btuh
Wall total	1344	sqft	2124	Btuh
Door total	20	sqft	251	Btuh
Ceiling total	2056	sqft	3207	Btuh
Floor total			0	Btuh
Infiltration	109	cfm	2764	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**16163**	**Btuh**
Duct gain			1616	Btuh
Total sensible gain			**17779**	**Btuh**
Latent gain(infiltration)			3789	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**5169**	**Btuh**
TOTAL HEAT GAIN			**22948**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: 11/21/06

System Sizing Calculations - Winter

Residential Load - Component Details

Jerry Bisque

Project Title:
Bisque Residence

Code Only
Professional Version
Climate: North

,

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

11/21/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	1, Clear, Wood, DEF	N	8.0	38.6	309 Btuh
2	1, Clear, Wood, DEF	N	18.0	38.6	695 Btuh
3	1, Clear, Wood, DEF	N	20.0	38.6	772 Btuh
4	1, Clear, Wood, DEF	S	100.0	38.6	3860 Btuh
	Window Total		146		5636 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	19.0	1344	2.3	3091 Btuh
	Wall Total		1344		3091 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		20	17.9	366 Btuh
	Door Total		20		366Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2056	1.3	2673 Btuh
	Ceiling Total		2056		2673Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	168.0 ft(p)	31.6	5309 Btuh
	Floor Total		168		5309 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	18690(sqft)	125	5356 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			125	5356 Btuh

Totals for Heating	**Subtotal**	**22430 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1122 Btuh**
	Total Btuh Loss	**23552 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)

System Sizing Calculations - Summer

Residential Load - Component Details

Jerry Bisque

Project Title:
Bisque Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 11/21/2006

Window	Type Panes/SHGC/U/InSh/ExSh Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1, Clear, DEF, N, N N	1.5	5	8.0	0.0	8.0	33	33	264 Btuh
2	1, Clear, DEF, N, N N	1.5	4	18.0	0.0	18.0	33	33	594 Btuh
3	1, Clear, DEF, N, N N	1.5	6	20.0	0.0	20.0	33	33	660 Btuh
4	1, Clear, DEF, N, N S	1.5	6	100.0	100.0	0.0	33	50	3300 Btuh
	Window Total			146					4818 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Exterior	19.0	1344.0	1.6	2124 Btuh
	Wall Total		1344.0		2124 Btuh

Doors	Type	Area	HTM	Load
1	Wood - Exter	20.4	12.3	251 Btuh
	Door Total	20.4		251 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	30.0	2055.9	1.6	3207 Btuh
	Ceiling Total		2055.9		3207 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	168.0 ft(p)	0.0	0 Btuh
	Floor Total		168.0		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	18690	109.2	2764 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			109	2764 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 300 +	1200	3000 Btuh

Totals for Cooling		
	Subtotal	**16163 Btuh**
	Duct gain(using duct multiplier of 0.10)	**1616 Btuh**
	Total sensible gain	**17779 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**3789 Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**22948 Btuh**

Key: Window types (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/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

metal Roof

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Wheeling Corrugating Company
1134 Market Street
Wheeling, WV 26003

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The BCCO (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BCCO reserves the right to revoke this acceptance, if it is determined by BCCO that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

DESCRIPTION: "R" Panel Steel Roofing

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 7.
The submitted documentation was reviewed by Frank Zuloaga, RRC

ROOFING SYSTEM APPROVAL:

Category:	Roofing
Sub-Category:	Metal, Panels
Material:	Steel
Deck Type:	Wood
Maximum Design Pressure:	-87.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
Wheeling Corrugating Company "R" Roof Panel	Length: varies Width: 37" Height: 1-¼" Thickness.0217"	PA 110	G-90 Galvanized, AZ55, Wheeling Paint System, Fluropan, Kylar or Hylar over G60 Galvanized Steel.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

Product	Dimensions	Product Description	Manufacturer
#30 Felt	N/A	Saturated organic felt to be used as a nailed underlayment.	Generic (With current NOA)
#43 Coated Base Sheet	N/A	Saturated and coated organic base sheet for single or double ply underlayment.	Generic (With current NOA)
Fire Barrier Board ("Dens Deck")	Min. ¼" thick	Fire barrier for Class 'A' fire rating.	Georgia-Pacific (With current NOA)
Fire Barrier ("Roctex")	Min. 450 grams/m^2	Fire barrier for Class 'A' fire rating.	Partek Insulations, Inc. (With current NOA)
Fasteners (Panel)	Min. 0.178 inch diameter by 1-½ long	Corrosion resistant, sharp point hex-head screws with neoprene sealing washer.	Generic (With current NOA)

APPROVED SYSTEMS:

SYSTEM:	Wheeling Corrugating Company "R" Roof Panel
Deck Type:	Wood, Non-insulated
Deck Description:	New Construction or Re-roof $^{15}/_{32}$" or greater plywood or wood plank.
Slope Range:	2": 12" or greater
Maximum Uplift Pressure:	The maximum allowable design pressure **-52.5 psf**
Deck Attachment:	**In accordance with applicable building code, but in no case shall it be less than $^{15}/_{32}$" plywood fastened with #8 x 2 inch wood screws spaced 6" o.c. to wood structural supports spaced at a maximum of 24 inches o.c.**
Underlayment:	Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 15" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 12 gauge 1 ¼" annular ring-shank nails, spaced 6" o.c. at all laps and one staggered rows 12" o.c. in the field of the 17" exposure.
Valleys:	Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Wheeling Corrugating Company "R" Roof Panel' current published installation instructions.
Fire Barrier Board:	For class A or B fire rating, install minimum ¼" thick Georgia Pacific "Dens Deck" or one layer of "Roctex" or $^{5}/_{8}$" water resistant type X gypsum sheathing with treated core and facer, in compliance with Roofing Application Standard RAS 133.
Metal Panels and Accessories:	Install the "Wheeling Corrugating Company "R" Roof Panel" and accessories in compliance with Wheeling Corrugating Company' current published installation instructions and details. Flashing, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standards RAS 133. "R" Roofing Panels shall be fastened with a minimum of #9-15 sharp point screws with a hex-washer head and neoprene sealing washer of sufficient length to penetrate through the deck spaced at $^{3}/_{16}$" at a maximum spacing of 12 inches o.c. in all directions as follows: 1. Side laps shall be fastened with a minimum of two screws spaced at a maximum of 12 inches along the entire length of the roof (parallel to the roof slope) see details herein. 2. Panel width shall be fastened with fasteners at a maximum spacing of 12 inches o.c. perpendicular to the slope of the roof in accordance with the detail herein. Fastener rows shall continue up the entire length of the roof (parallel to the roof slope) at a maximum spacing of 12 inches o.c.

SYSTEM:	Wheeling Corrugating Company "R" Roof Panel
Deck Type:	Wood, Non-insulated
Deck Description:	New Construction or Re-roof $^{15}/_{32}$" or greater plywood or wood plank.
Slope Range:	2": 12" or greater
Maximum Uplift Pressure:	The maximum allowable design pressure **-87.5 psf**
Deck Attachment:	**In accordance with applicable building code, but in no case shall it be less than $^{15}/_{32}$" plywood fastened with #8 x 1-7/8 inch wood screws spaced 6" o.c. to wood structural supports spaced at a maximum of 12 inches o.c.**
Underlayment:	Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 15" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 12 gauge 1 ¼" annular ring-shank nails, spaced 6" o.c. at all laps and one staggered rows 12" o.c. in the field of the 17" exposure.
Valleys:	Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Wheeling Corrugating Company "R" Roof Panel' current published installation instructions.
Fire Barrier Board:	For class A or B fire rating, install minimum ¼" thick Georgia Pacific "Dens Deck" or one layer of "Roctex" or $^{5}/_{8}$" water resistant type X gypsum sheathing with treated core and facer, in compliance with Roofing Application Standard RAS 133.
Metal Panels and Accessories:	Install the "Wheeling Corrugating Company "R" Roof Panel" and accessories in compliance with Wheeling Corrugating Company' current published installation instructions and details. Flashing, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standards RAS 133. "R" Roofing Panels shall be fastened with a minimum of # 0.178" diameter sharp point screw with a hex-washer head and neoprene sealing washer of sufficient length to penetrate through the deck spaced at $^{3}/_{16}$" at a maximum spacing of 12 inches o.c. in all directions as follows: 1. Side laps shall be fastened with a minimum of two screws spaced at a maximum of 12 inches along the entire length of the roof (parallel to the roof slope) see details herein. 2. Panel width shall be fastened with fasteners at a maximum spacing of 12 inches o.c. perpendicular to the slope of the roof in accordance with the detail herein. Fastener rows shall continue up the entire length of the roof (parallel to the roof slope) at a maximum spacing of 12 inches o.c.

SYSTEM LIMITATIONS:

1. Increased design pressures at perimeter and corner areas, in compliance with applicable building code may be met through rational analysis by increasing the number of attachment points in these areas. The maximum fastener spacing noted in the "Systems Description" section of this approval shall not be exceeded. All rational analysis computation shall be prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.

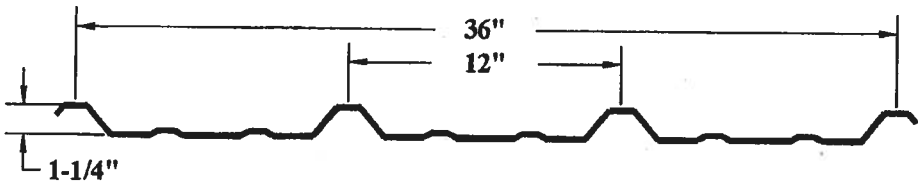
2. Panels shall be rolls formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Roofing Application Standard RAS 133.

3. All panels shall be permanently labeled with the manufacturer's name or logo, and the following statement: "Miami-Dade County Product Control Approved.

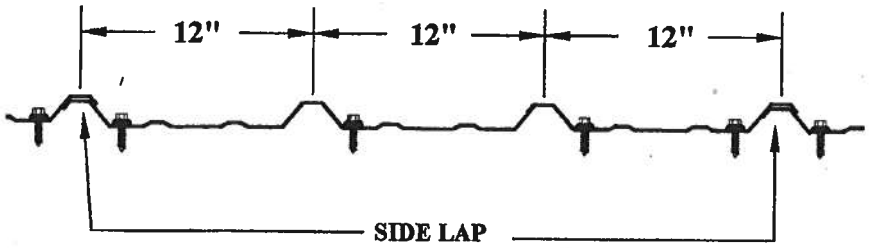
EVIDENCE SUBMITTED:

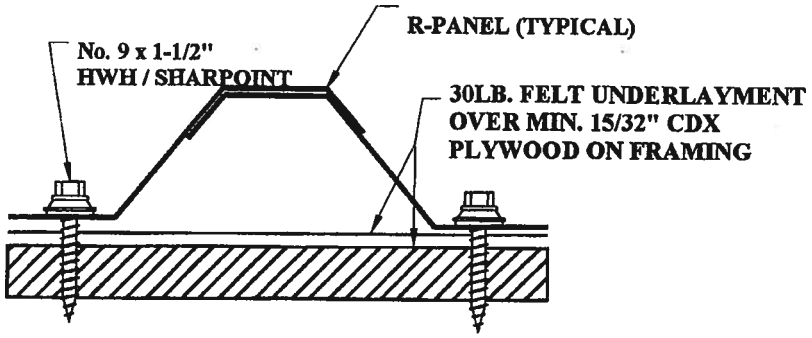
Test Agency	Test Identifier	Test Name/Report	Date
Architectural Testing Inc.	01-35689.01	PA 125 PA 100	11/17/99
Architectural Testing Inc.	01-35687.03	ASTM B-117 ASTM G-23 ASTM D-714 ASTM D-772	12/22/99
Architectural Testing Inc.	01-35688.02	ASTM B-117 ASTM G-23 ASTM D-714 ASTM D-772	12/22/99
Architectural Testing Inc.	01-35689.02	ASTM B-117 ASTM G-23 ASTM D-714 ASTM D-772	12/22/99
Architectural Testing Inc.	01-35690.02	ASTM B-117 ASTM G-23 ASTM D-714 ASTM D-772	12/22/99
Underwriters Laboratory	00NB/R20684	UL 580	09/14/01

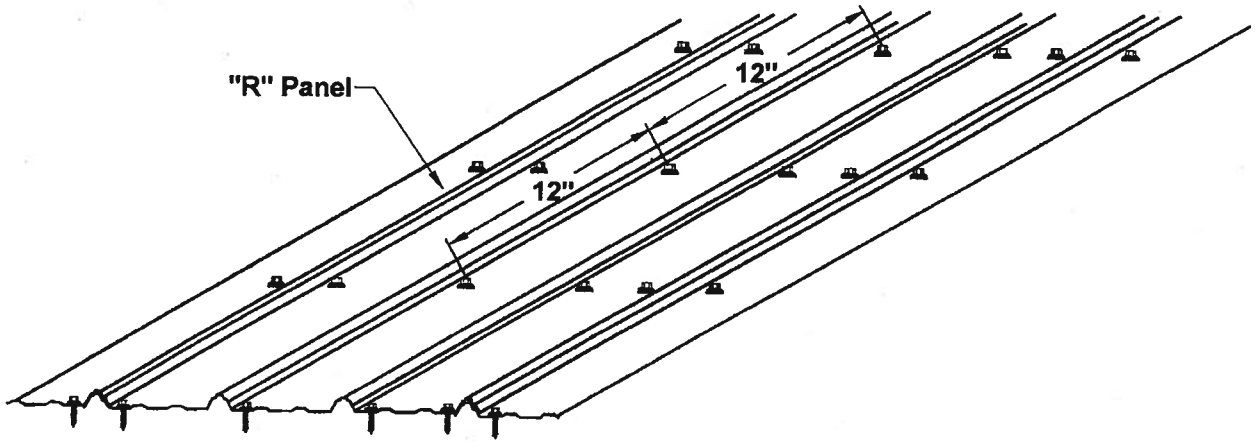
WHEELING CORRUGATING COMPANY "R" ROOF PANEL



FASTENER LOCATION







END OF THIS ACCEPTANCE

Inswing

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

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

NOTICE OF ACCEPTANCE (NOA)

Therma-Tru Corporation
1687 Woodlands Drive
Maumee, Ohio 43537

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Classic Craft" Opaque Fiberglass Door 8'0 Inswing

APPROVAL DOCUMENT: Drawing No. S-2179, titled "Classic Craft Opaque" Single & Double Inswing 8'0 Fiberglass Door", sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 3/18/02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

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

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

The submitted documentation was reviewed by **Raul Rodriguez**

ET THE SOUTH FLORIDA
MIAMI–DADE COUNTY.
E ANCHORED PROPERLY
CTURE.
ISTED AND SPACED AS
DMENT TO BASE MATERIAL
OR STUCCO.
ABLE PAGE 1.
E WATER REQUIREMENTS

STANT SHUTTERS ARE REQUIRED.
BE USED IN A

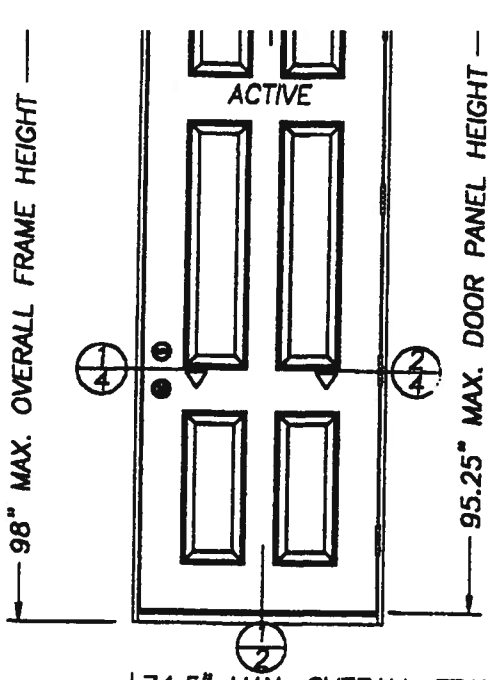
LOCATIONS PROTECTED BY
THE ANGLE BETWEEN THE EDGE
IS LESS THAN 45 DEGREES.
-HABITABLE AREAS WHERE THE
TO ACCEPT WATER INFILTRATION.

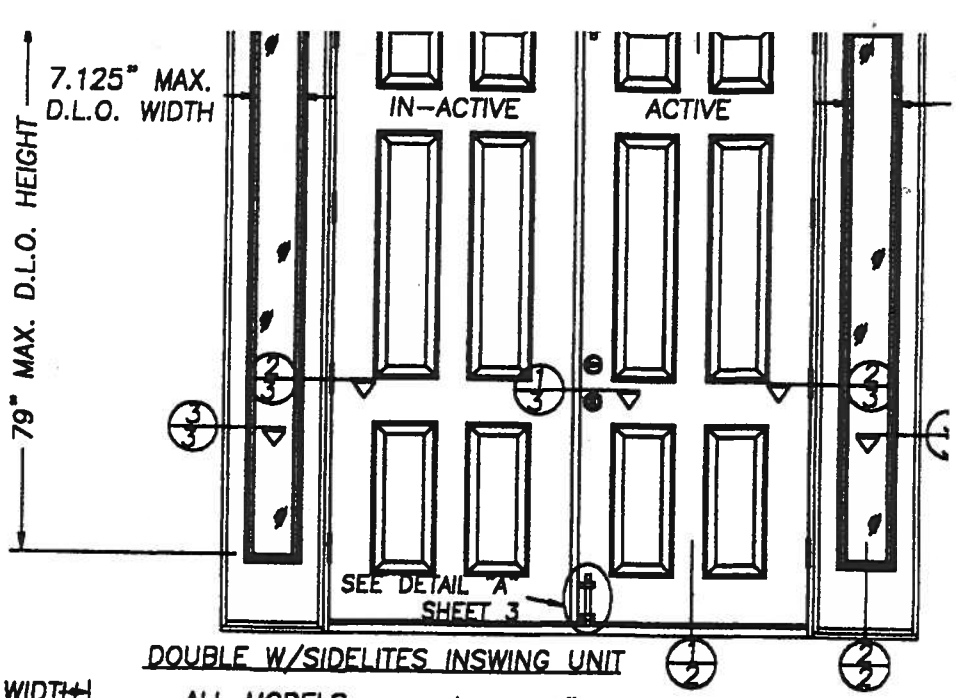
RGLASS DOOR
onditions)

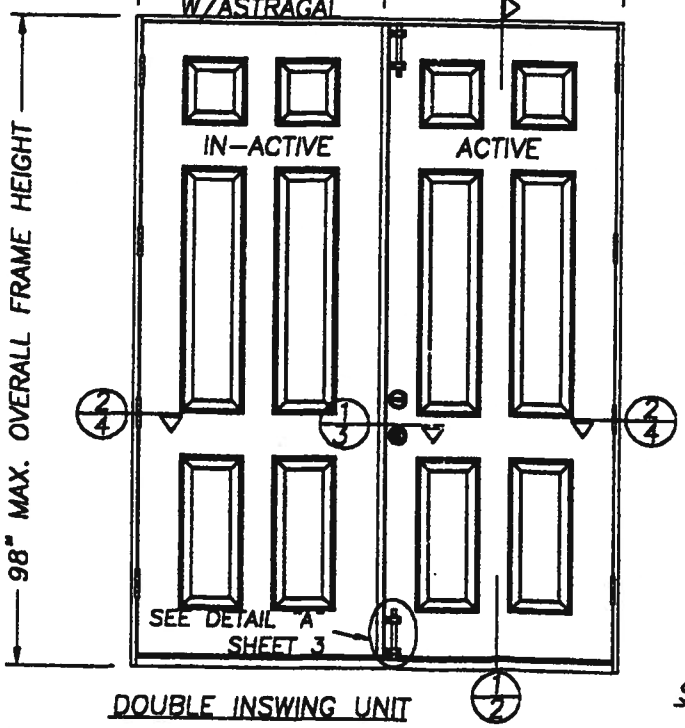
um thickness, with yield strength

1.9 lbs. density by BASF.
tructed from a sheet molding
thk. is filled with 1.9 lbs. density
heets are glued to the wood stiles
VL or LSL. The latch stile which is
The top and bottom rail are of a
or application the inactive door
gal of 6060–T6 alloy.
fed from finger jointed pine. The
) #8 x 2 1/2" long screw at each
a sidelite application using
" per each mullion. The units uses
5" x 1.548".
dwich glazed using a two piece lip
on the exterior with an 1/8"
with Dow 795 silicone compond
e to the sidelite panel & to the
ith a #8 x 1 1/2" long Plascrew

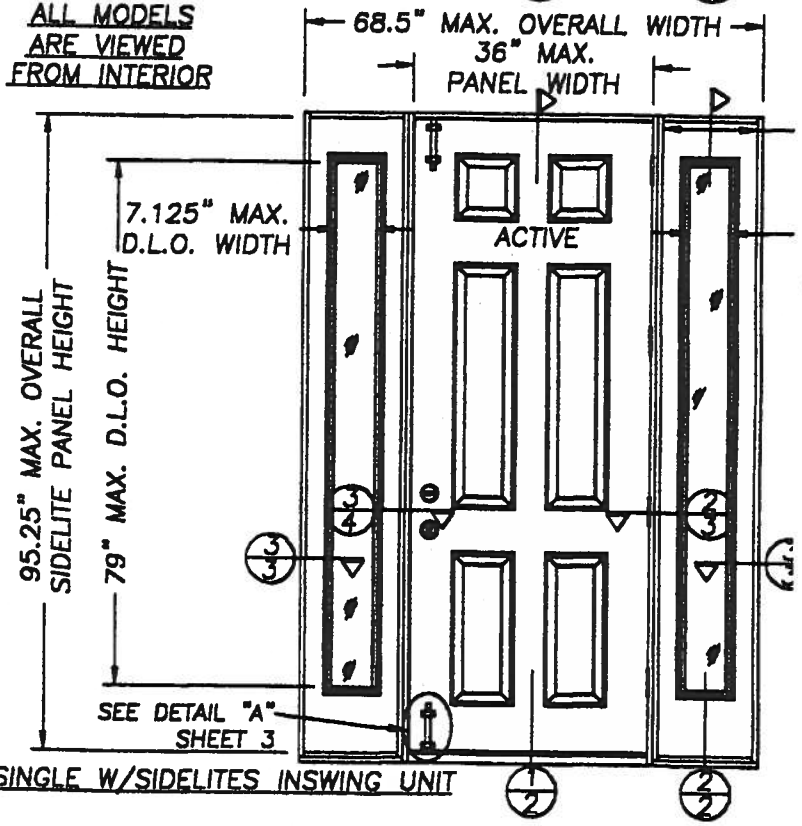
ONTENTS
RIPTION
GENERAL NOTES

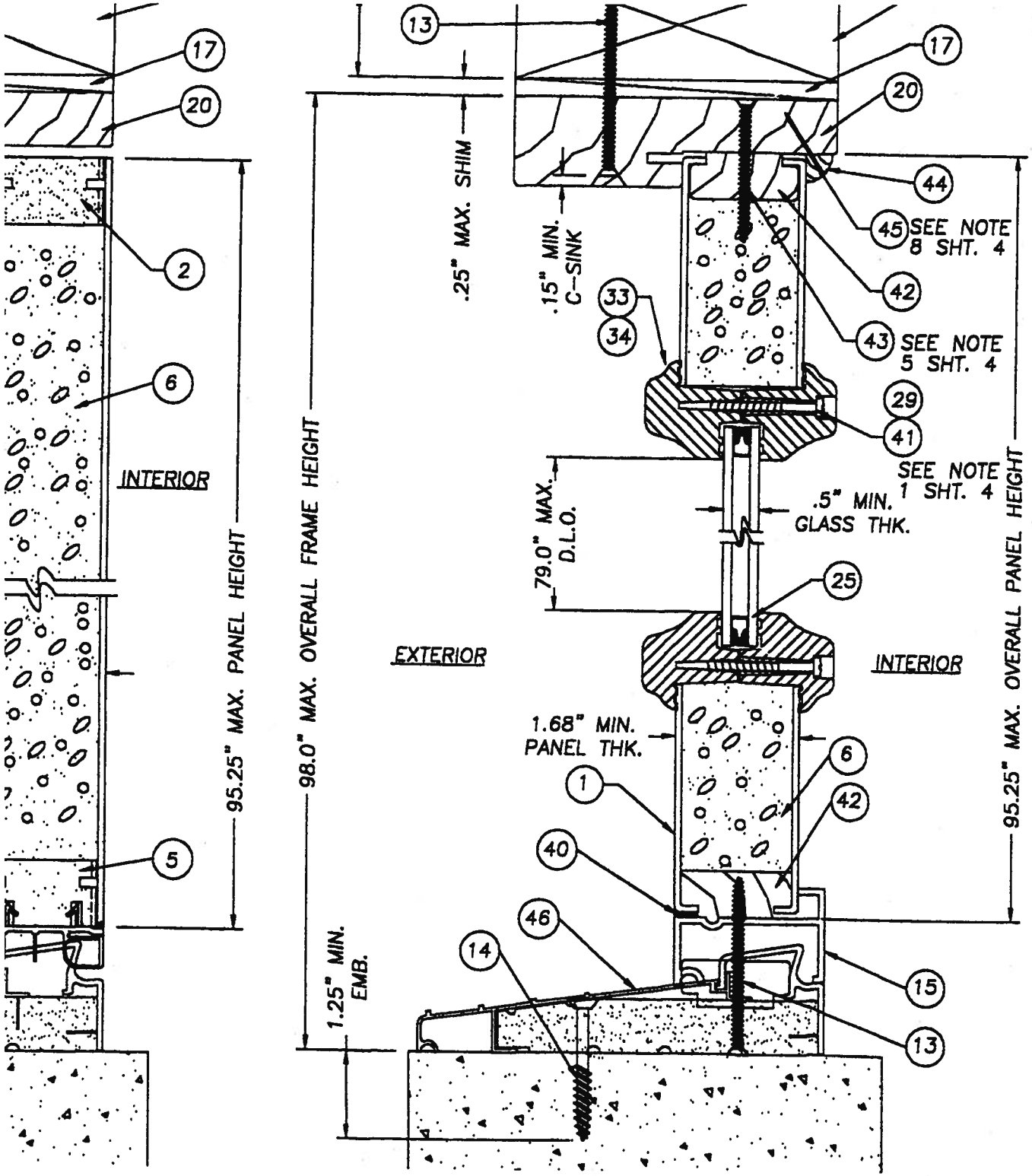




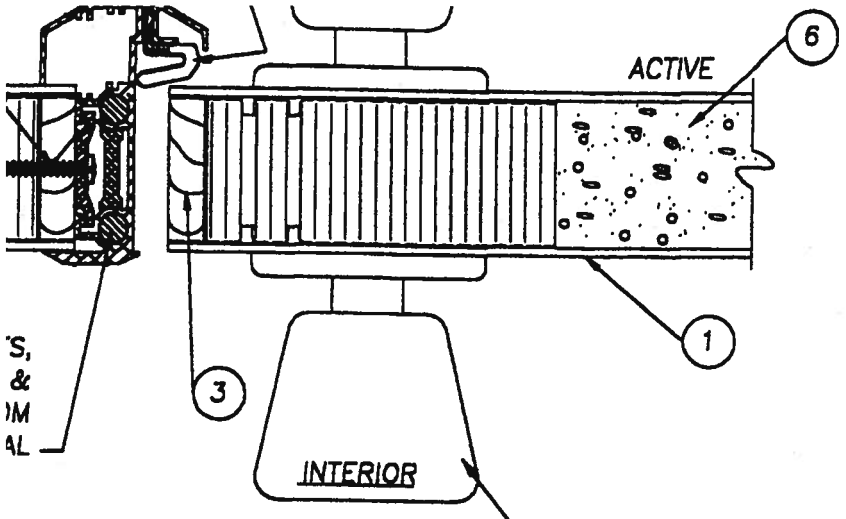


ALL MODELS ARE VIEWED FROM INTERIOR

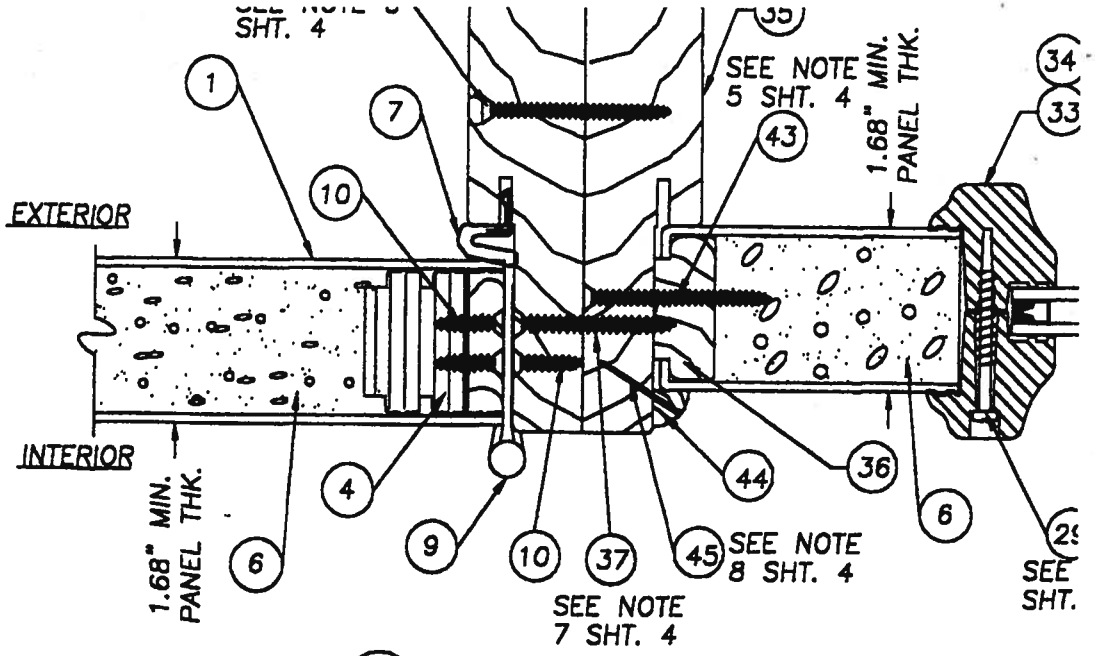




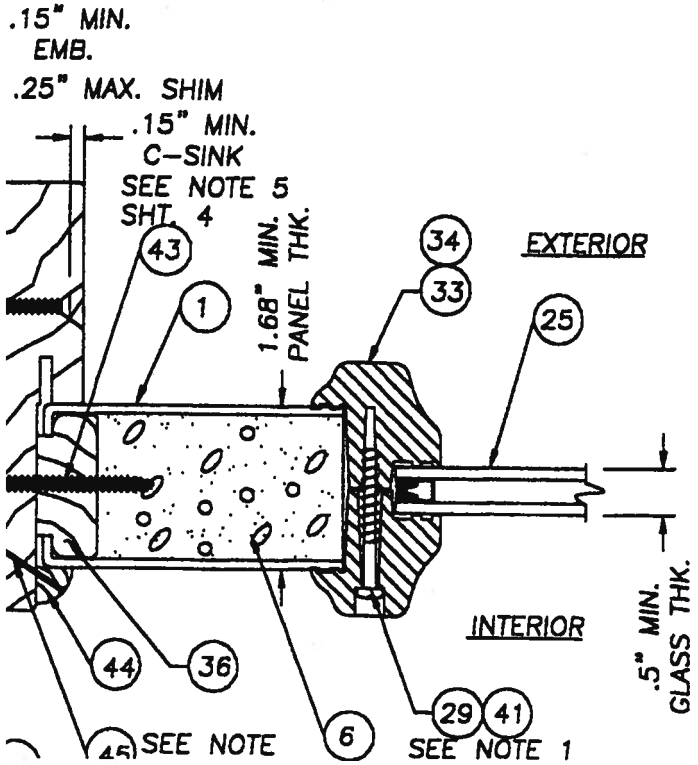
3	LATCH STILE/LOCK BLOCK (THERMA-TRU, LVL OR LSL & OAK 1.50" x 4.
4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x 1.50")
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE)
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSIT
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TI
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" lg. PFH WOOD SCREW (Hinge to Frame)
11	#10 x 1" LG. PFH WOOD SCREW
12	#10 x 2" LG. PFH WOOD SCREW
13	#8 x 2 1/2" LG. PFH WOOD SCREW
14	3/16" TAPCON ANCHOR (ELCO)
15	SIDELITE BOTTOM BOOT .090" EXTRUDED VIN
16	2x INNER WOOD BUCK
17	MAX. 1/4" SHIM MATERIAL
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK
19	NOT USED
20	HEADER 4.656" x 1.211" (THERMA-TRU, PONDEROSA F
21	4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PONDEROSA
22	4.563" x 1.25" HINGE JAMB (THERMA-TRU, PONDEROSA P
23	KWIKSET TITAN 700 SERIES DEADBOLT
24	ASTRAGAL WINDJAMBER II WR8OT (.052" WAL
25	GLAZING, 1/2" INSULATED TEMPERED GLASS
26	NOT USED
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW
28	NOT USED
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM #
30	NOT USED
31	NOT USED
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)
34	PLASTIC LIP LITE FRAME (SMC, THERMA-TRU)
35	4.656" x 1.211" BLANK JAMB (THERMA-TRU, PONDEROSA
36	SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PONDEROSA
37	#10 x 1 3/4" LG. PFH WOOD SCREW
38	SS. LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x 4.0
39	NOT USED
40	SILICONE CAULK (DOW 795)
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34
42	SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656" PONDEROSA
43	#8 x 2" LG. PFH WOOD SCREW
44	3/8" x 3/8" QUARTER ROUND FINGER JOINTED F
45	1" L. x .040" DIA. BRAD TRIM NAIL
46	SELF ADJUSTING INSWING SADDLE THRESHOLD
47	INSWING DOOR BOTTOM SWEEP
48	IVES SURFACE BOLT #454 .25 STEEL
49	1/4-20 SEX BOLT W/ 1/4-20 FEMALE ENI

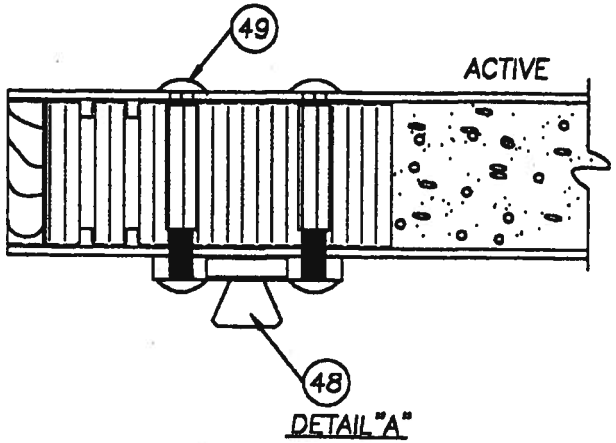


1/3 HORIZONTAL CROSS SECTION
@ ASTRAGAL
(SEE DESIGN PRESSURE CHART)

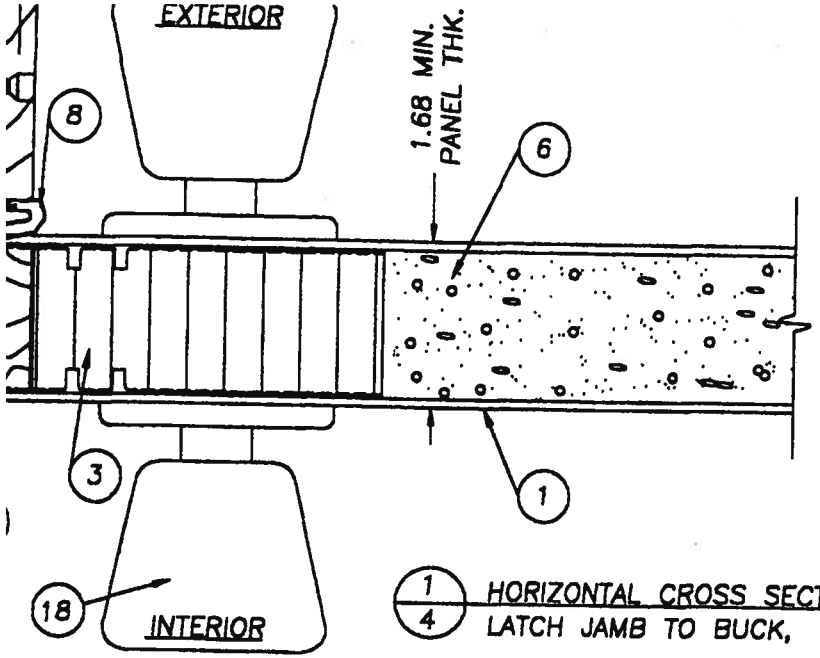


2/3 HORIZONTAL CROSS SECTION
@ HINGE JAMB TO SIDELITE

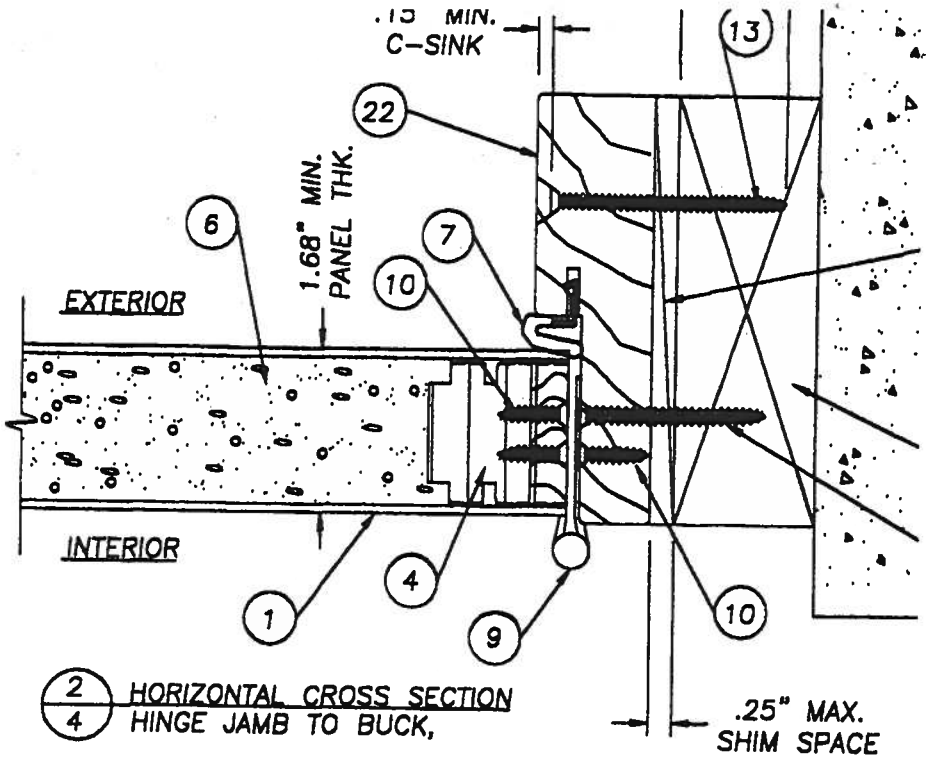




DETAIL "A"
OPTIONAL SURFACE BOLTS IN ACTIVE PANEL
(SEE DESIGN PRESSURE CHART)



1/4 HORIZONTAL CROSS SECTION
LATCH JAMB TO BUCK,



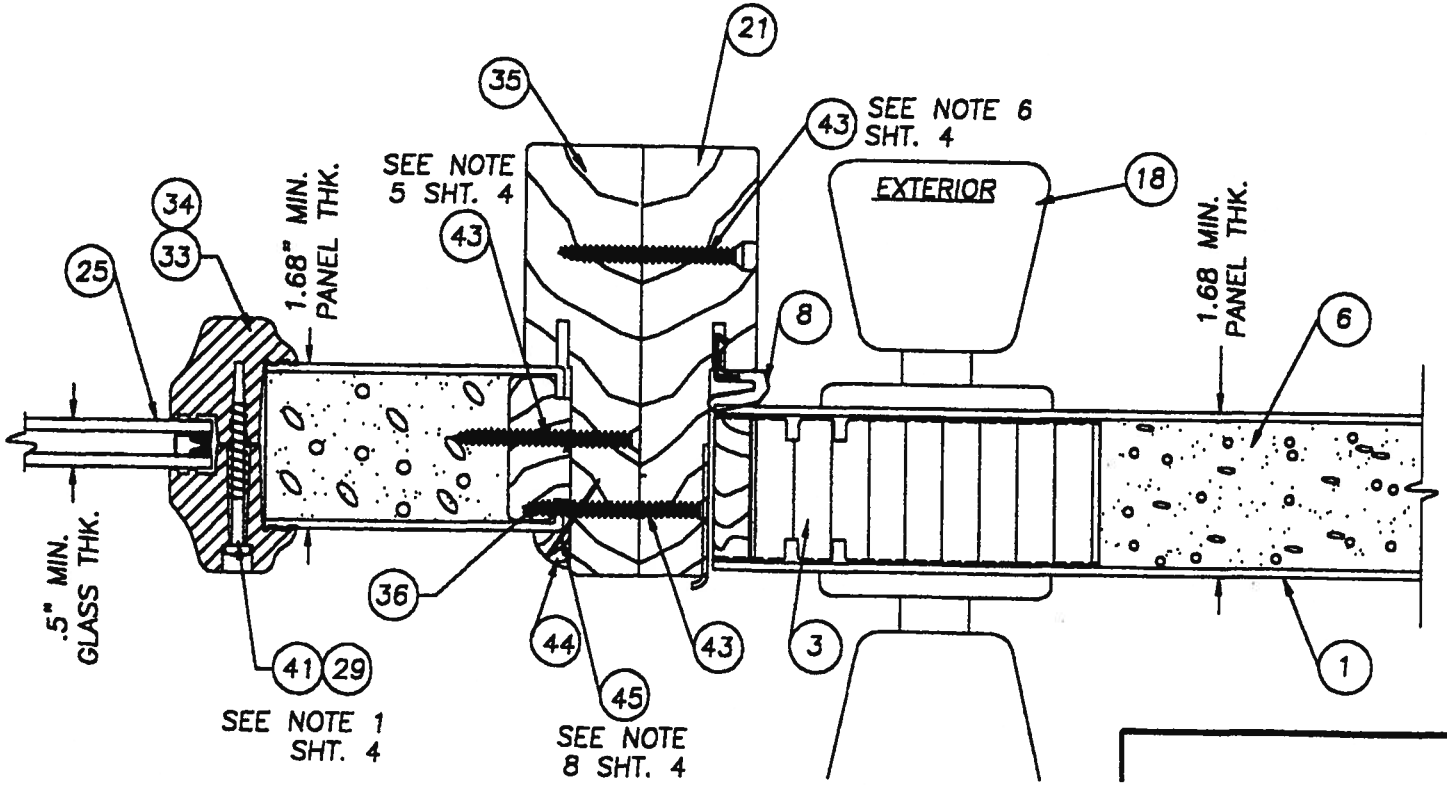
2/4 HORIZONTAL CROSS SECTION
HINGE JAMB TO BUCK,

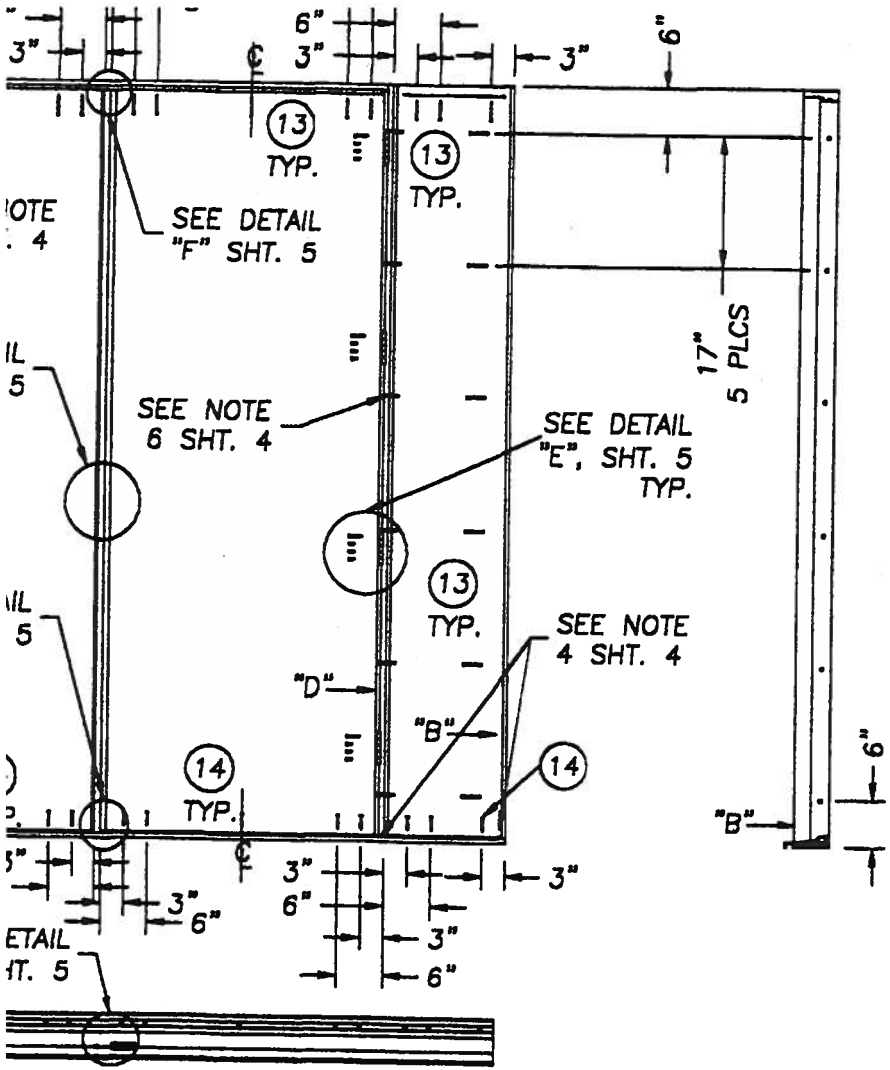
IS AS FOLLOWS: FROM
WITH (7) MORE SPACED
REWS BOTH TOP AND
CORNER.
REW
NACTIVE DOOR IS AS
, 3", 5", 18.25", 54"

IE SIDE JAMBS WITH

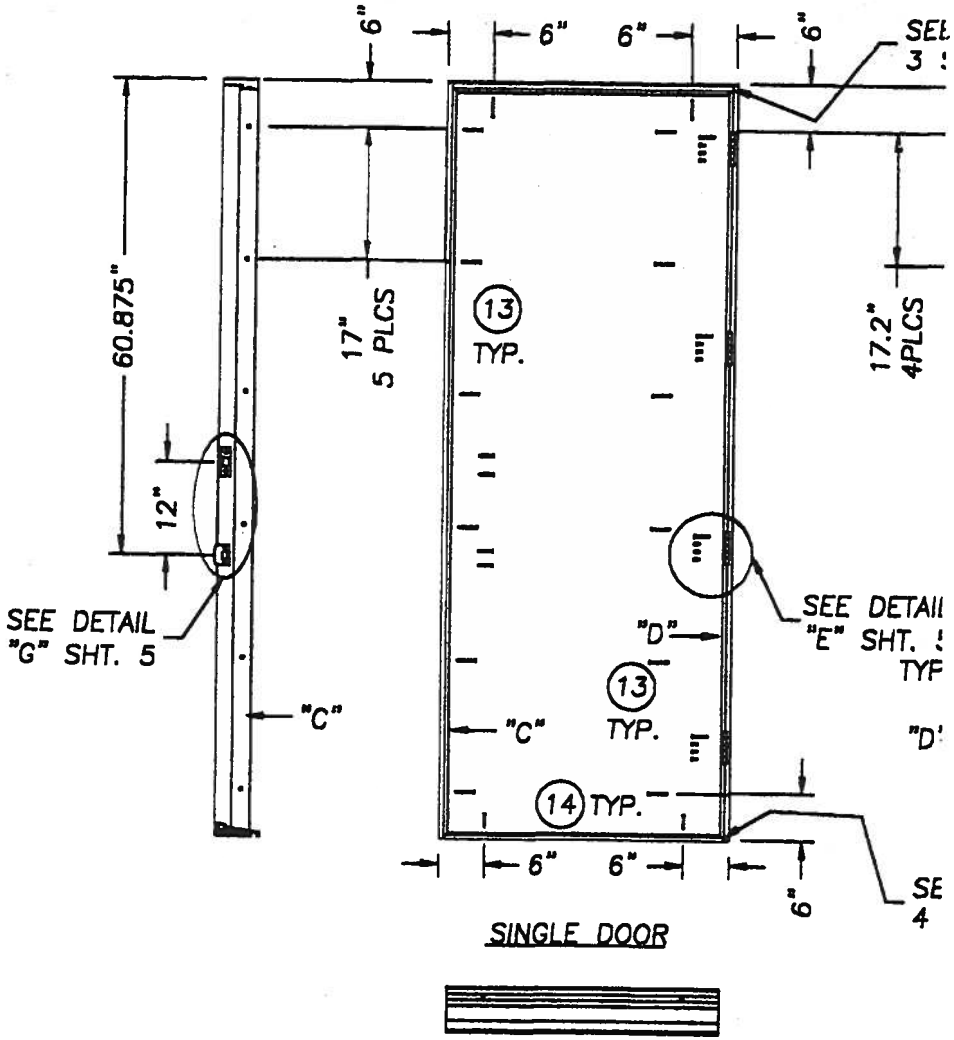
IE SIDE JAMBS WITH

HE JAMB WITH (12)
E ARE (4) AT
OP DOWN AT 13.5",
THE HEADER AT 4"
HE FRAME. THERE ARE
TSIDE CORNERS.
RING THE MULLIONS
RIMETER ANCHORING
AND UP FROM THE
16.9" O.C.
JAMB AND THE BUCK
CHING THE HINGE TO

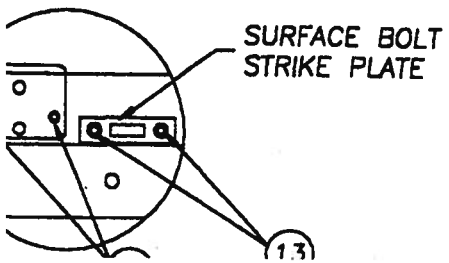


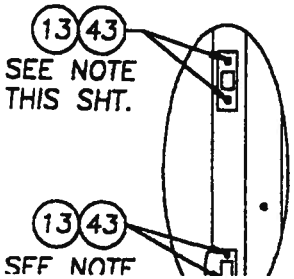


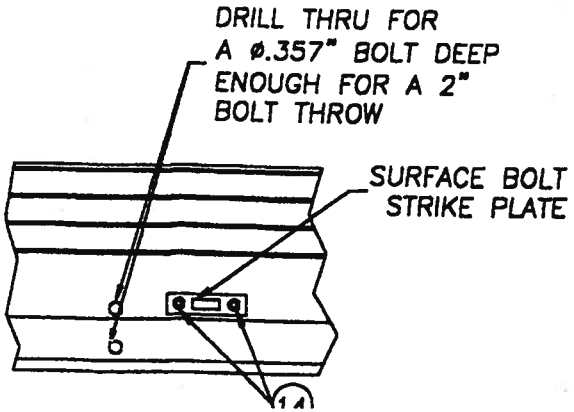
DOOR W/SIDELITES



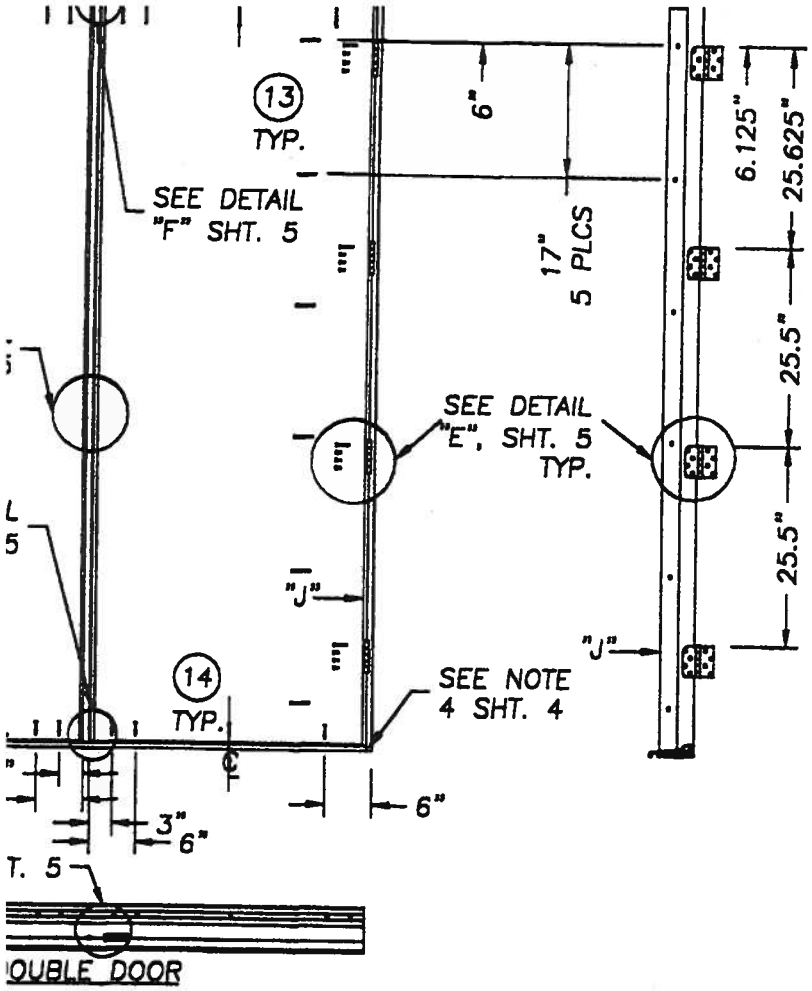
SINGLE DOOR

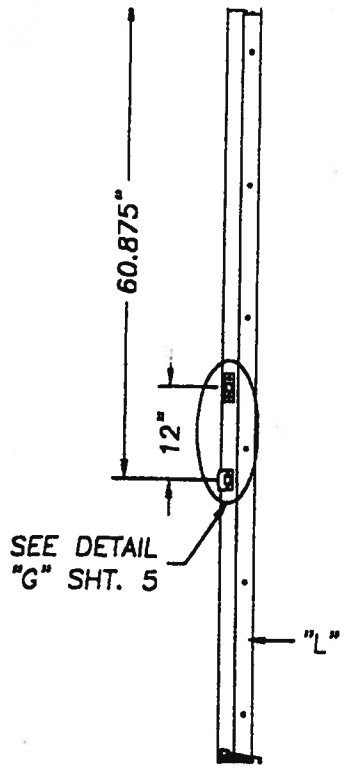


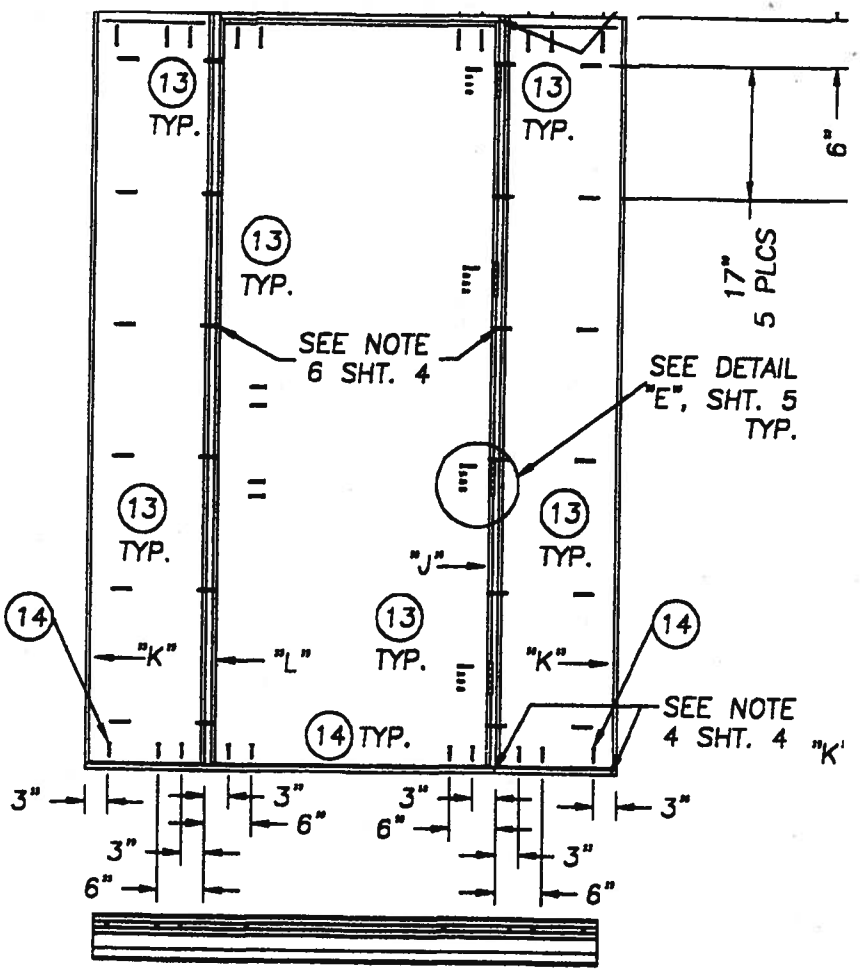




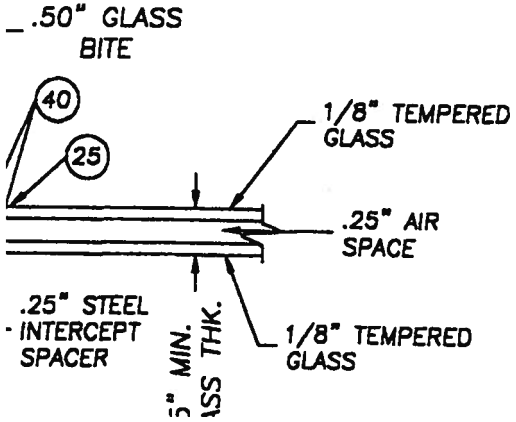
NOTE:
USE ITEM #13 A #8 x 2 1/2" PFH WI
ATTACH THE STRIKE AND DEADBOLT PL
JAMB OR ASTRAGAL EXCEPT IN THE MU
APPLICATION WITH THE SIDELITE USE IT
2" PFH WOOD SCREW.

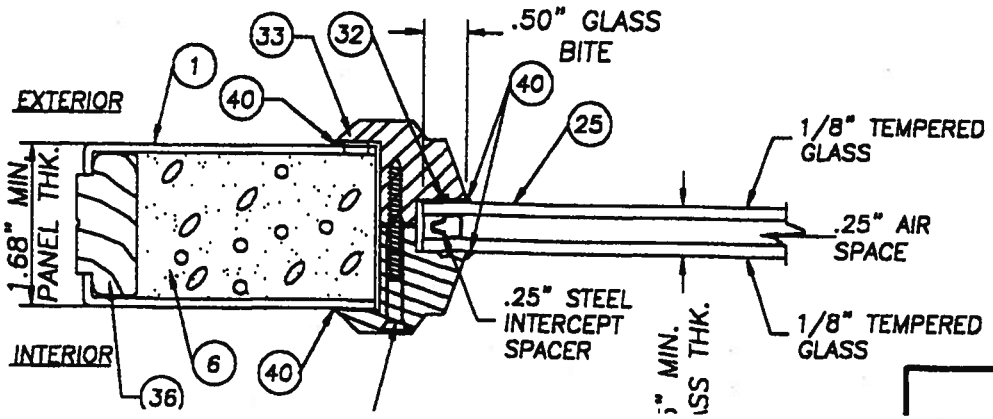


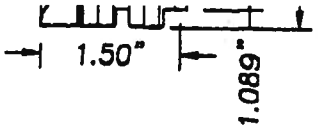




SINGLE DOOR W/SIDELITES

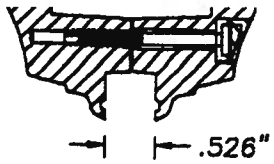




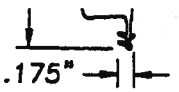


(4) HINGE SIDE STILE

CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.

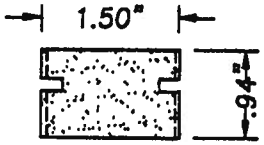


(34) PLASTIC LIP LITE FRAME
EXTRUDED SMC



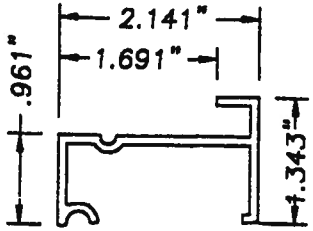
(7) COMPRESSION WEATHERSTRIP
BY THERMA-TRU
FOAM CELL CORE W/VINYL JACKET

(8) LONG
COMPRESSION
FOAM CELL CORE

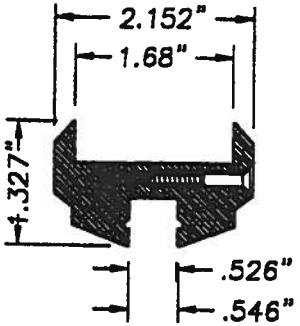


(2) TOP RAIL
WOOD COMPOSITE

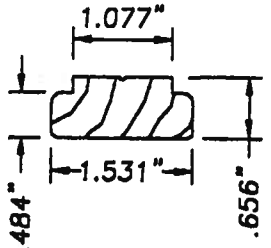
(5) BOT
WOOD



(15) INSWING SIDELITE
BOTTOM BOOT
0.09" EXTRUDED VINYL WALL

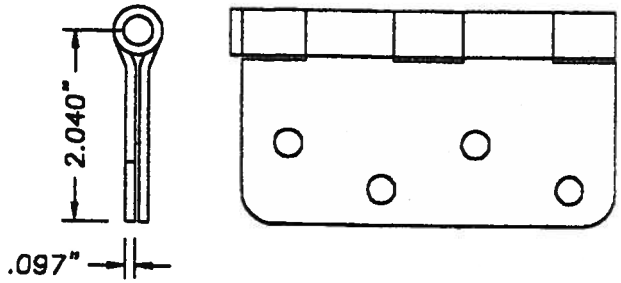


(33) PLASTIC LIP LITE FRAME
EXTRUDED PVC

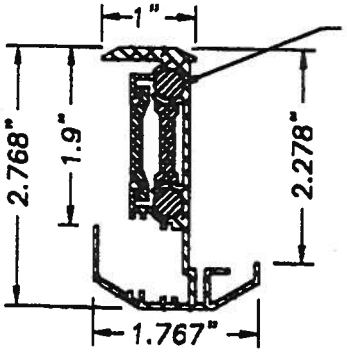


(42) SIDELITE TOP
& BOTTOM RAIL

(36) SIDELI
SIDE
FINGER
PONDE

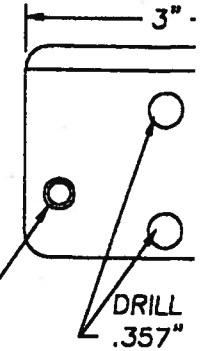


(9) 4 x 4 STEEL DOOR HINGE

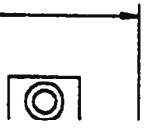


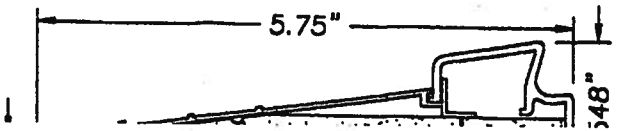
ASTRAGAL RETAINER BOLTS,
(2) 17.0" LG. X 0.3125" DIA.
@ TOP & (2) 8.0" LG. X
0.3125" DIA. @ BOTTOM
(4) BOLTS TOTAL

(24) WINDJAMBER II WR80T
ASTRAGAL (ALUMINUM .052" WALL TYP.)



WINDJAMBER II WR80T





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:1T25487-Z0108101120

Truss Fabricator:	Anderson Truss Company
Job Identification:	6-384--Freeman Design Group Bisque -- , **
Truss Count:	14
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.24.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Notes:

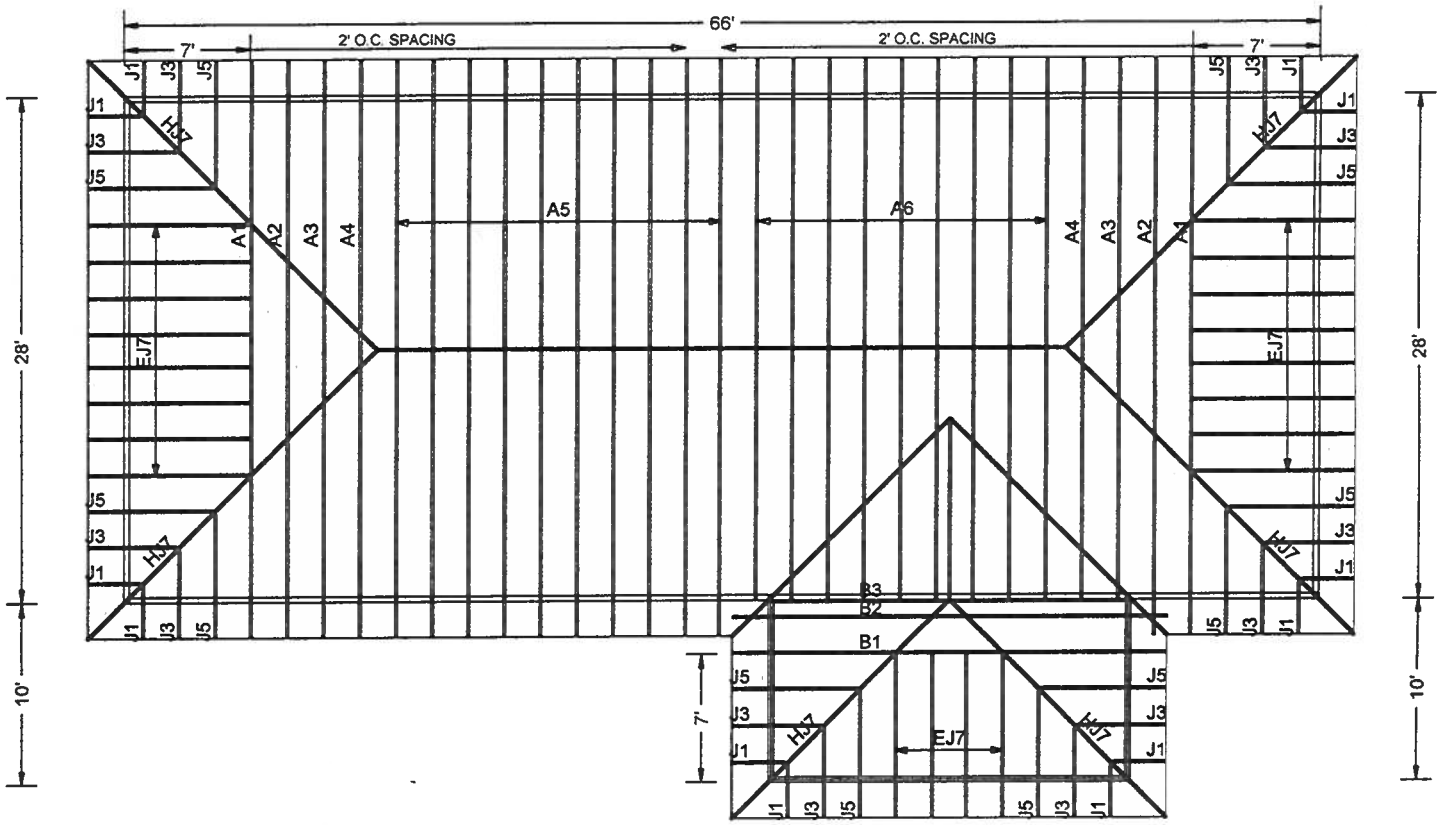
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown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

Details: -

#	Ref	Description	Drawing#	Date
1	88156	A1	06312028	11/08/06
2	88157	A2	06312024	11/08/06
3	88158	A3	06312022	11/08/06
4	88159	A4	06312023	11/08/06
5	88160	A5	06312019	11/08/06
6	88161	A6	06312020	11/08/06
7	88162	B1	06312029	11/08/06
8	88163	B2	06312025	11/08/06
9	88164	B3	06312030	11/08/06
10	88165	HJ7	06312027	11/08/06
11	88166	EJ7	06312017	11/08/06
12	88167	J5	06312021	11/08/06
13	88168	J3	06312018	11/08/06
14	88169	J1	06312026	11/08/06

Seal Date: 11/08/2006

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



#6-384 FREEMAN DESIGN GROUP - BISQUE 11/8/06

Scale: 3/32" = 1'

(6 384 Freeman Design Group Bisque , ** A1)

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

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

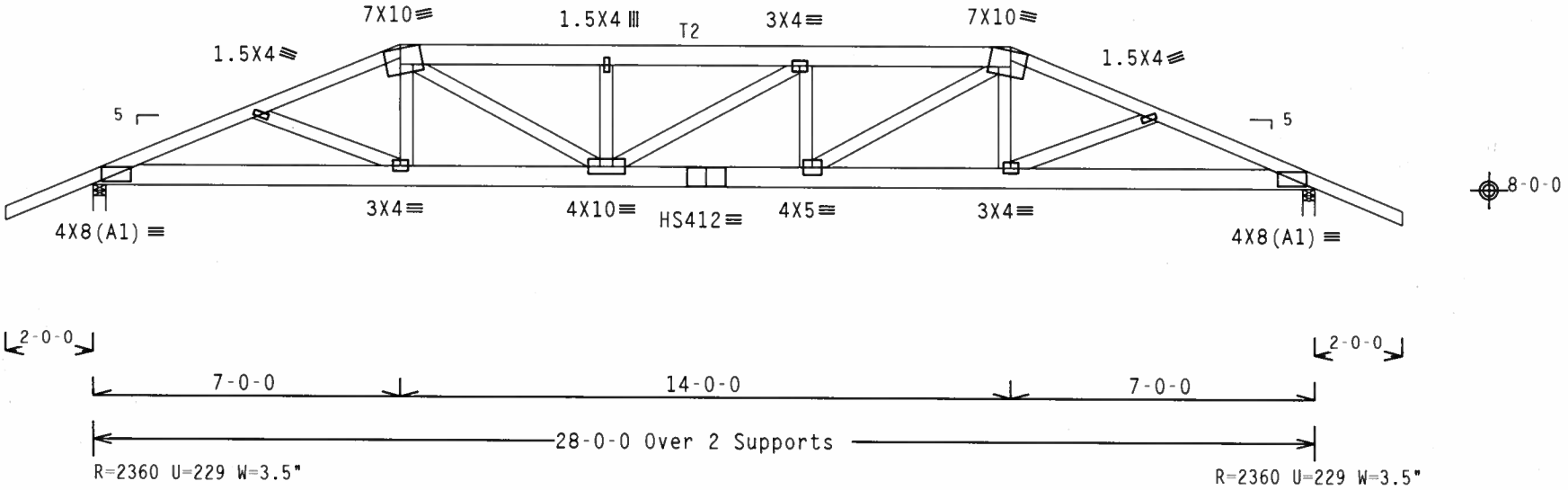
Wind reactions based on MWFRS pressures.

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:2 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

Nov 08 '06

TC LL	20.0 PSF	REF	R487-- 88156
TC DL	10.0 PSF	DATE	11/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06312028
BC LL	0.0 PSF	HC-ENG	HD/AF
TOT.LD.	40.0 PSF	SEQN-	17382
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T25487_Z01

ALPINE

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

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

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

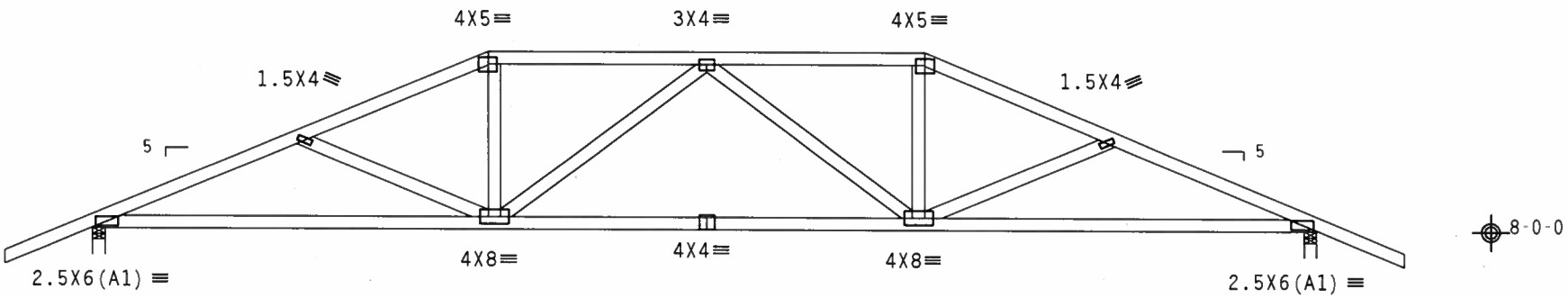
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

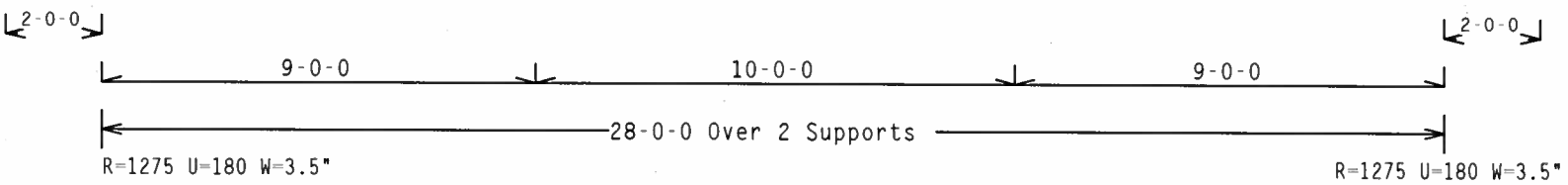
Wind reactions based on MWFRS pressures.

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

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:2 FL/-/4/-/-/R/-
Scale =.25"/Ft.

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

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

TC LL	20.0 PSF	REF	R487-- 88157
TC DL	10.0 PSF	DATE	11/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06312024
BC LL	0.0 PSF	HC-ENG	HD/AF *
TOT.LD.	40.0 PSF	SEQN-	17389
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T25487_Z01

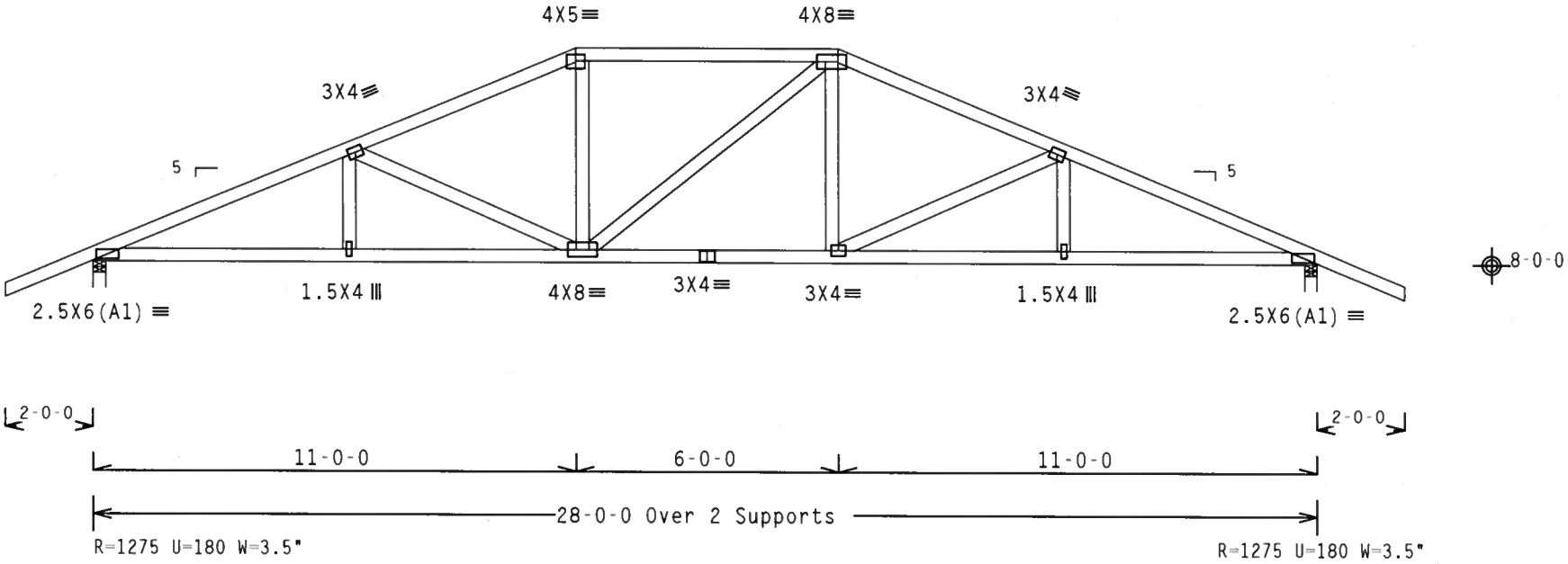
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:2 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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

TC LL	20.0 PSF	REF	R487-- 88158
TC DL	10.0 PSF	DATE	11/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06312022
BC LL	0.0 PSF	HC-ENG	HD/AF *
TOT.LD.	40.0 PSF	SEQN-	17399
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T25487_Z01

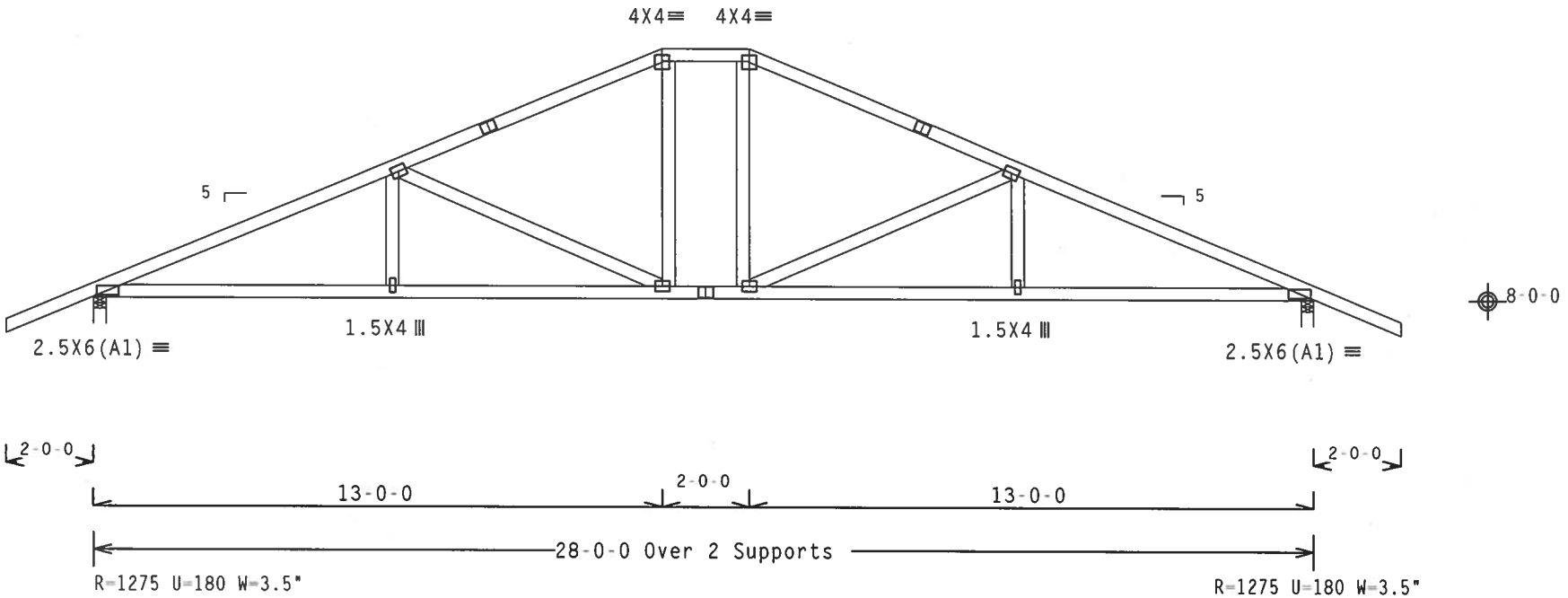
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:2 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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

No. [illegible] 08 06

TC LL	20.0 PSF	REF R487-- 88159
TC DL	10.0 PSF	DATE 11/08/06
BC DL	10.0 PSF	DRW HCUSR487 06312023
BC LL	0.0 PSF	HC-ENG HD/AF *
TOT.LD.	40.0 PSF	SEQN- 17407
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T25487_Z01

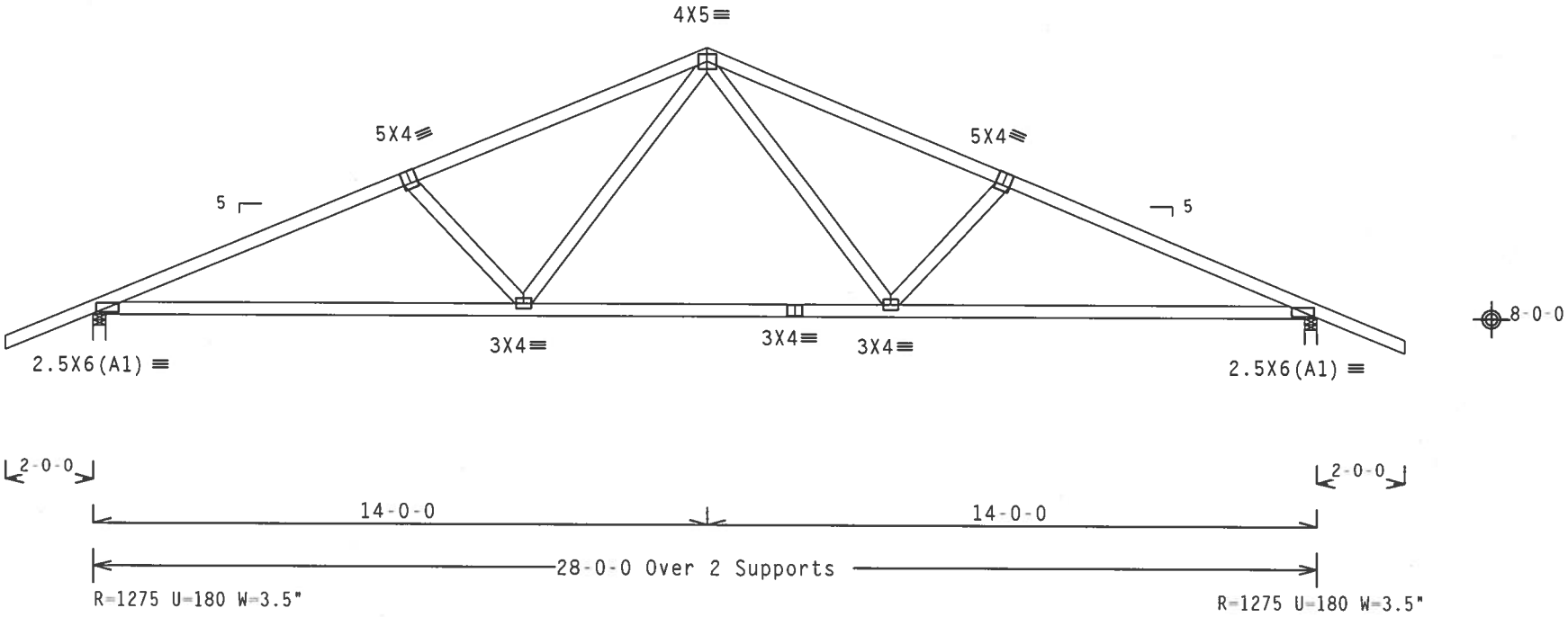
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.[illegible] QTY:10 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.25"/Ft.

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

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

TC LL	20.0 PSF	REF R487-- 88160
TC DL	10.0 PSF	DATE 11/08/06
BC DL	10.0 PSF	DRW HCUSR487 06312019
BC LL	0.0 PSF	HC-ENG HD/AF *
TOT.LD.	40.0 PSF	SEQN- 17417
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T25487_Z01

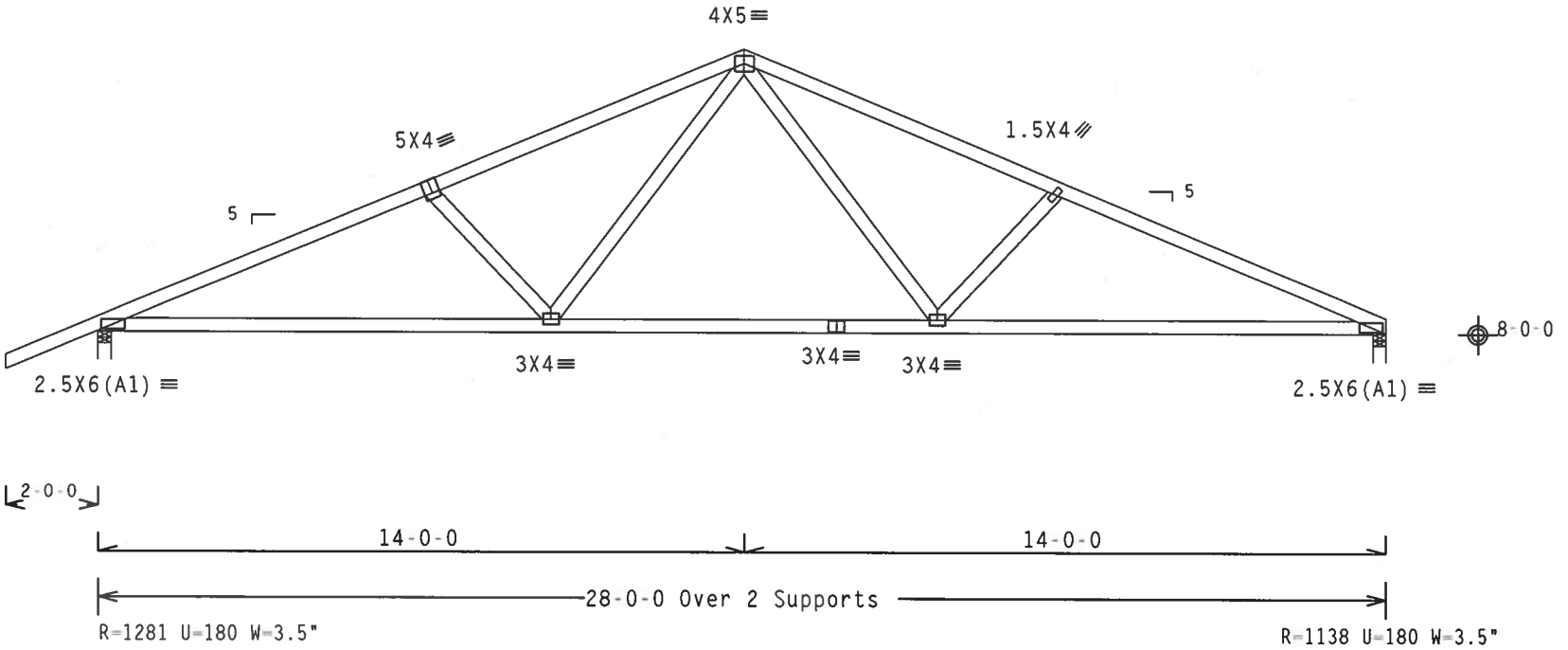
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:9 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
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Haines City, FL 33844

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

TC LL	20.0 PSF	REF R487-- 88161
TC DL	10.0 PSF	DATE 11/08/06
BC DL	10.0 PSF	DRW HCUSR487 06312020
BC LL	0.0 PSF	HC-ENG HD/AF *
TOT.LD.	40.0 PSF	SEQN- 17423
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T25487_Z01

(6 384 Freeman Design Group Bisque , ** B1)

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

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

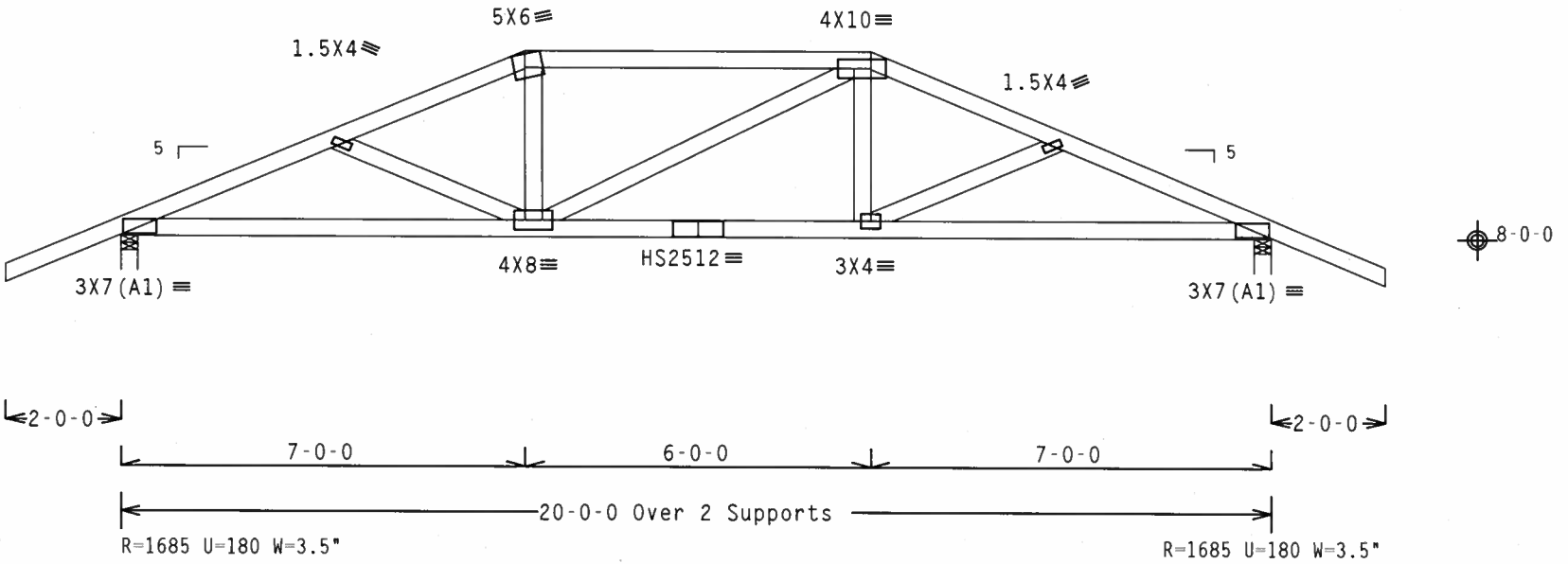
Wind reactions based on MWFRS pressures.

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave

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

Scale =.3125"/Ft.

ALPINE

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

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

Nov 08 '06

TC LL	20.0 PSF	REF R487-- 88162
TC DL	10.0 PSF	DATE 11/08/06
BC DL	10.0 PSF	DRW HCUSR487 06312029
BC LL	0.0 PSF	HC-ENG HD/AF
TOT.LD.	40.0 PSF	SEQN- 17430
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T25487_Z01

(6-384--Freeman Design Group Bisque -- , ** - B2)

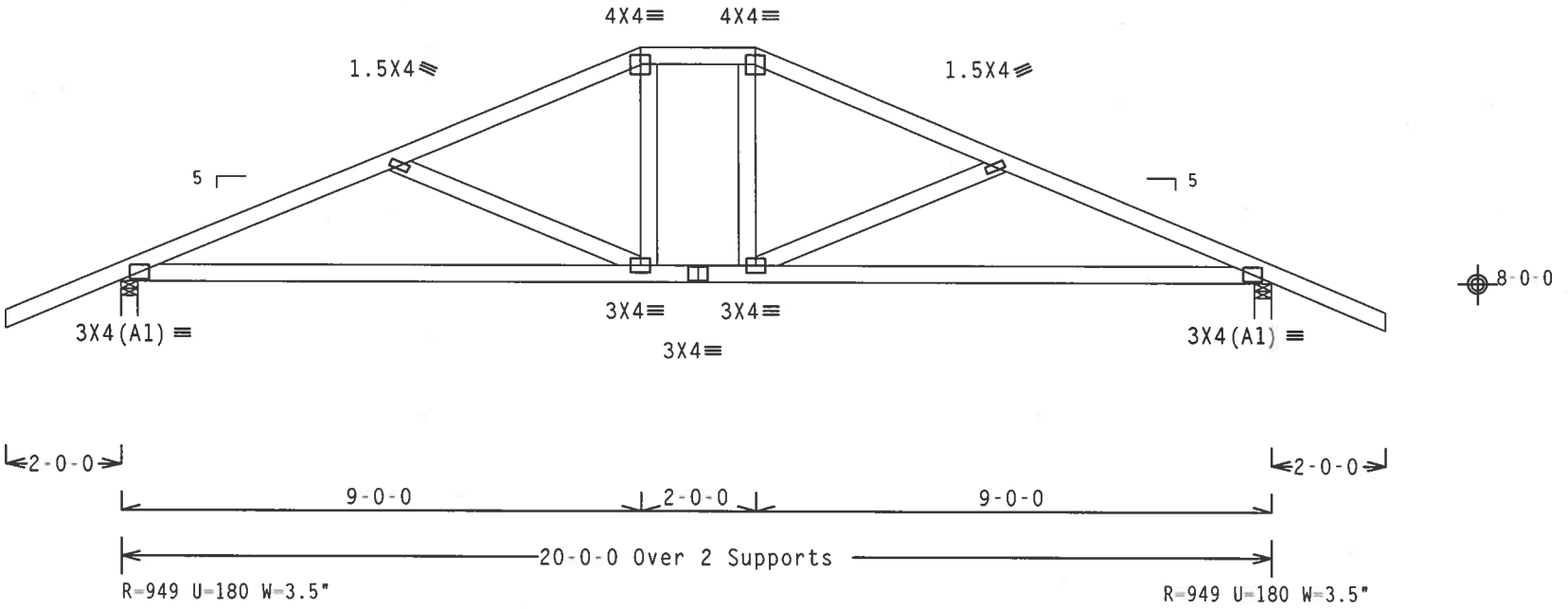
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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

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



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

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

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ARTHUR R. FISHER LICENSE No. 59667 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 '06

TC LL	20.0 PSF	REF R487-- 88163
TC DL	10.0 PSF	DATE 11/08/06
BC DL	10.0 PSF	DRW HCUSR487 06312025
BC LL	0.0 PSF	HC-ENG HD/AF *
TOT.LD.	40.0 PSF	SEQN- 17438
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T25487_Z01

(6 384 Freeman Design Group Bisque , ** B3)

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

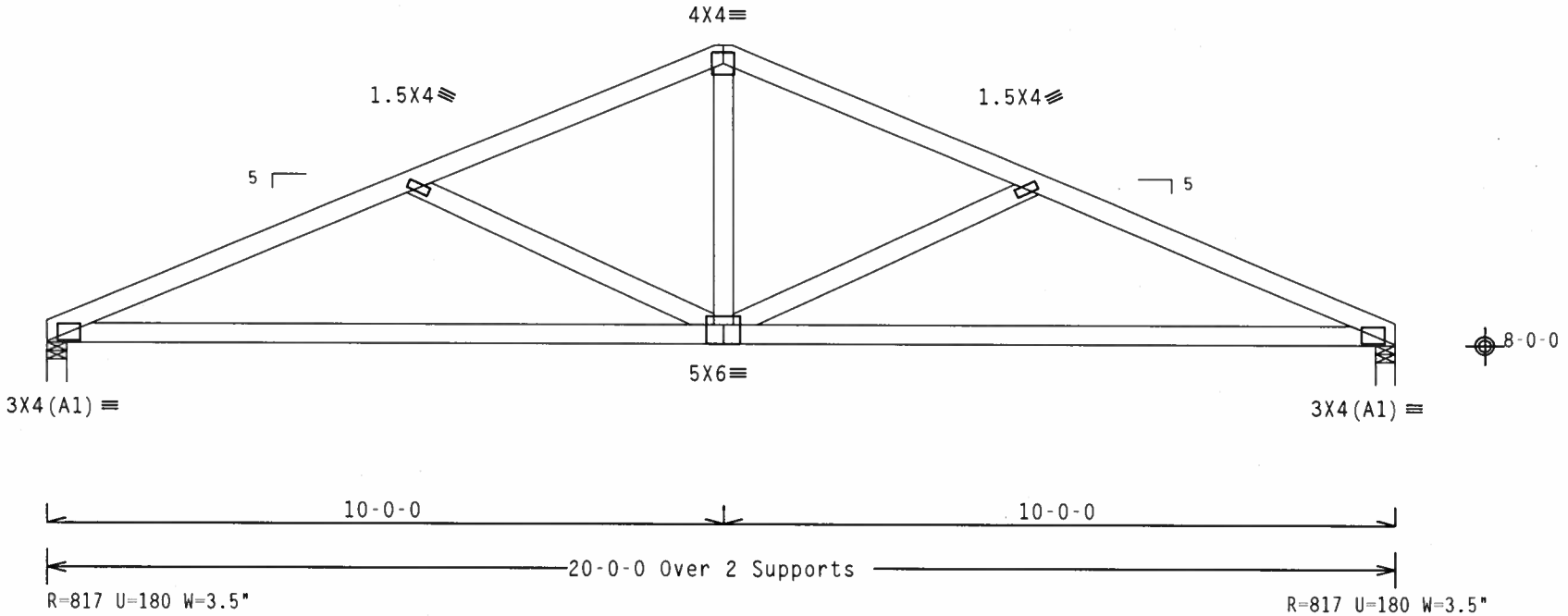
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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

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



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

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

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

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TC LL	20.0 PSF	REF	R487-- 88164
TC DL	10.0 PSF	DATE	11/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06312030
BC LL	0.0 PSF	HC-ENG	HD/AF *
TOT.LD.	40.0 PSF	SEQN-	17446
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T25487_Z01

(6 384 Freeman Design Group Bisque , ** HJ7)

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

Wind reactions based on MWFRS pressures.

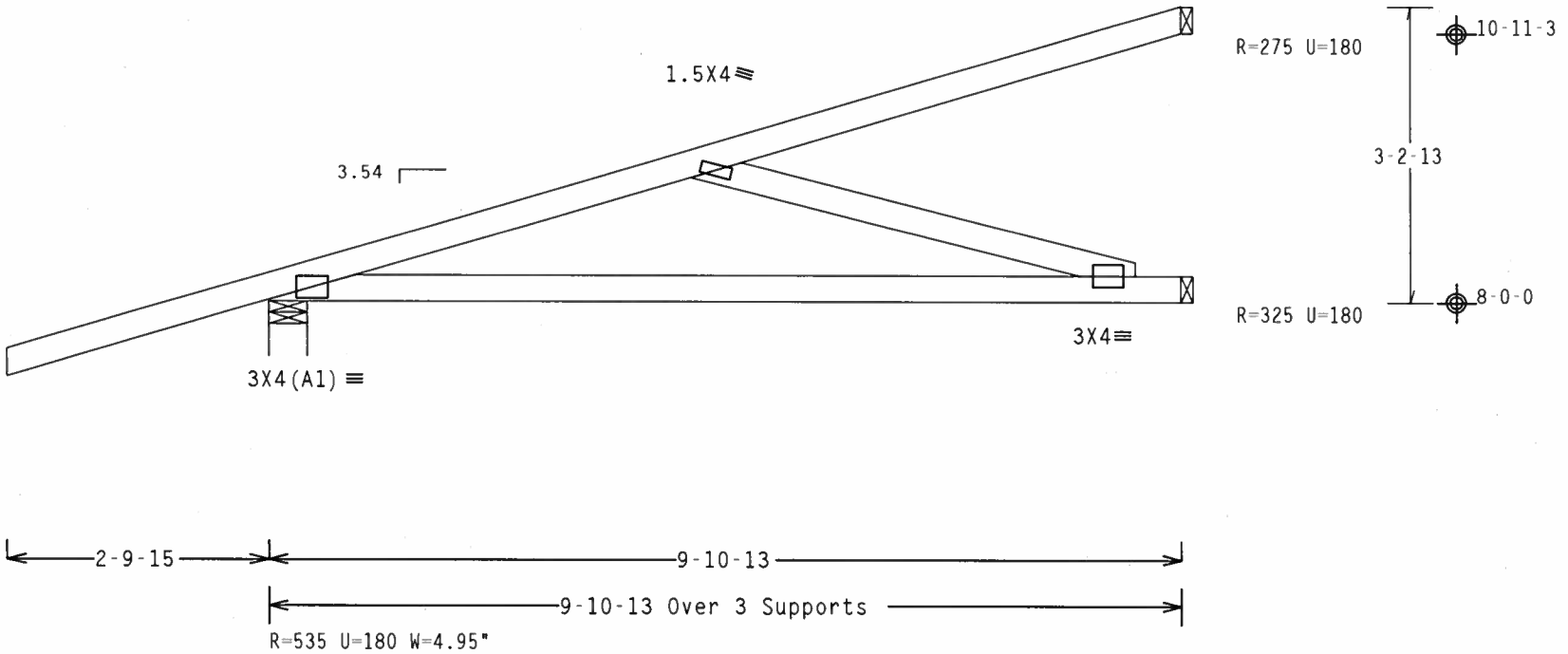
Hipjack supports 7-0-0 setback jacks with no webs.

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

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

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:6 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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TC LL	20.0 PSF	REF R487-- 88165
TC DL	10.0 PSF	DATE 11/08/06
BC DL	10.0 PSF	DRW HCUSR487 06312027
BC LL	0.0 PSF	HC-ENG HD/AF
TOT.LD.	40.0 PSF	SEQN- 17373
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T25487_Z01

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

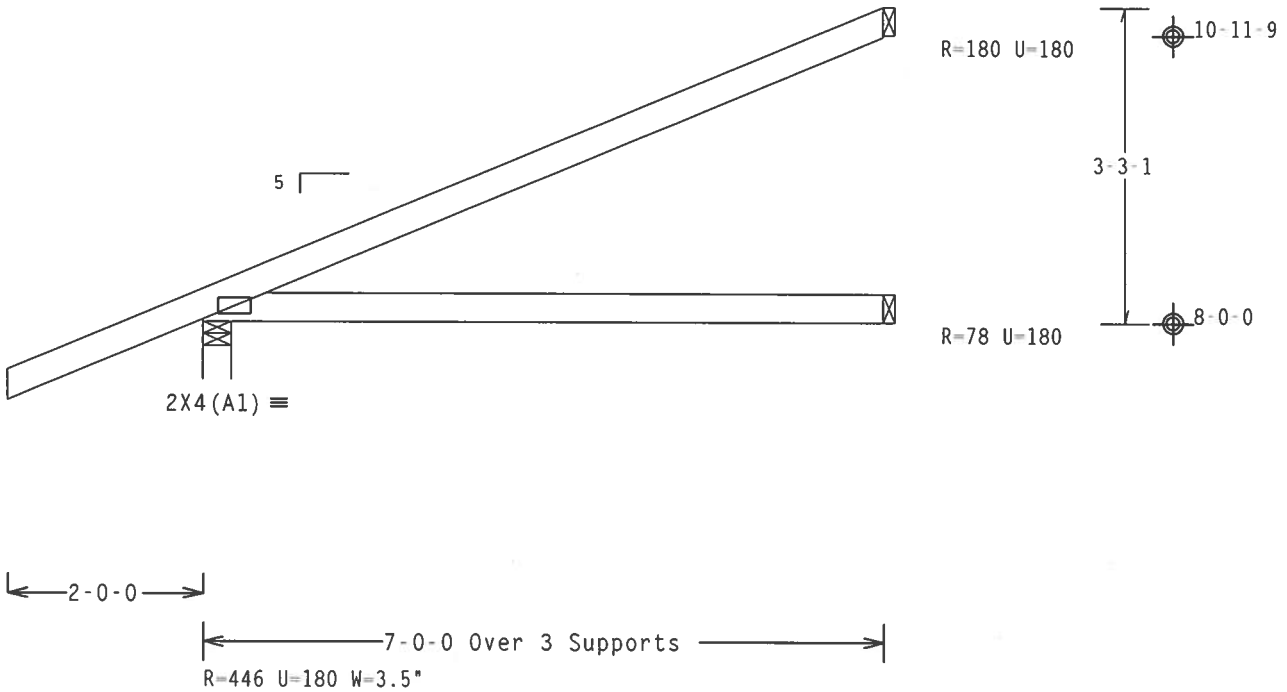
Wind reactions based on MWFRS pressures.

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

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

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:20 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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

TC LL	20.0 PSF	REF R487-- 88166
TC DL	10.0 PSF	DATE 11/08/06
BC DL	10.0 PSF	DRW HCUSR487 06312017
BC LL	0.0 PSF	HC-ENG HD/AF *
TOT.LD.	40.0 PSF	SEQN- 17360
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T25487_Z01

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

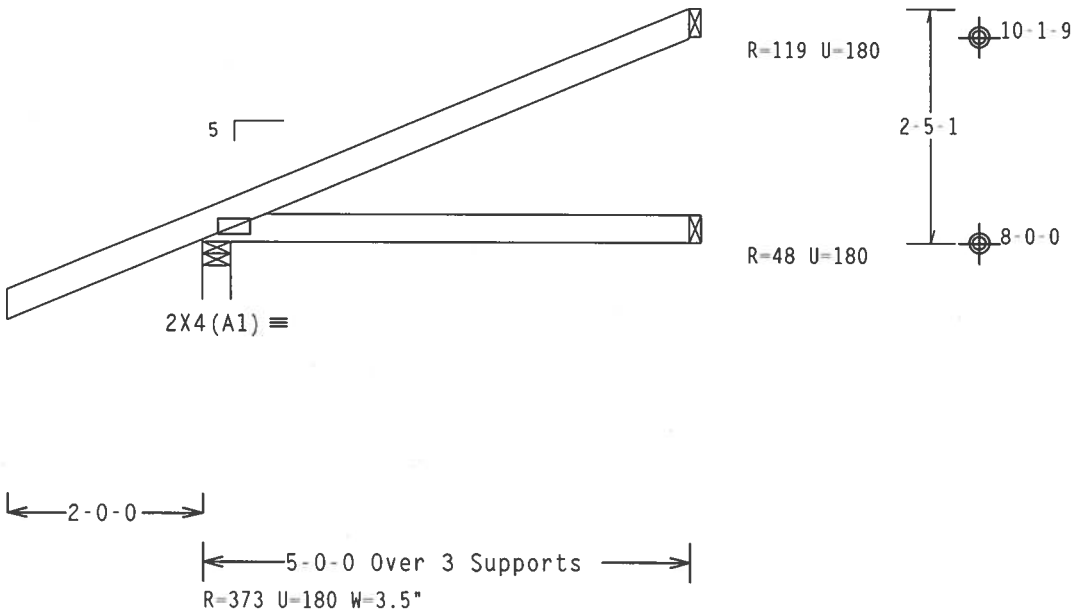
Wind reactions based on MWFRS pressures.

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

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

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.13[illegible] TY:12 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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

TC LL	20.0 PSF	REF	R487-- 88167
TC DL	10.0 PSF	DATE	11/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06312021
BC LL	0.0 PSF	HC-ENG	HD/AF *
TOT.LD.	40.0 PSF	SEQN-	17364
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T25487_Z01

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

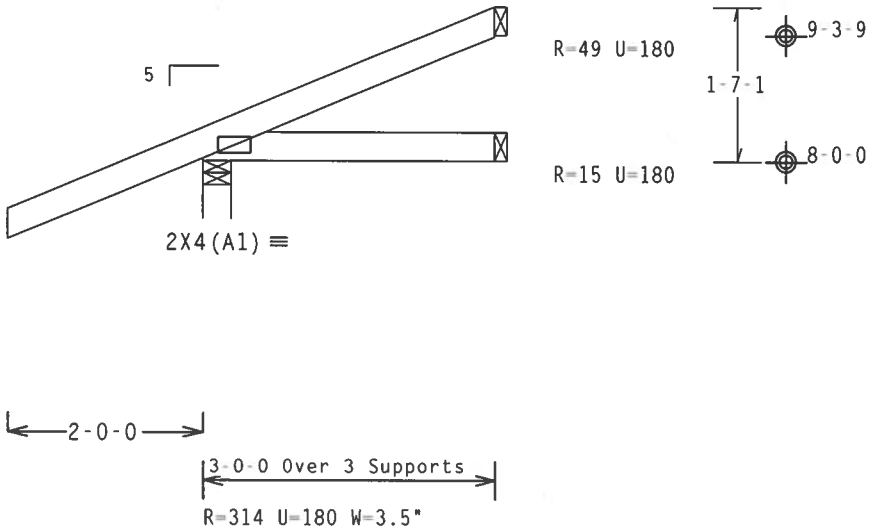
Wind reactions based on MWFRS pressures.

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

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

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:12 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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

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

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

TC LL	20.0 PSF	REF R487-- 88168
TC DL	10.0 PSF	DATE 11/08/06
BC DL	10.0 PSF	DRW HCUSR487 06312018
BC LL	0.0 PSF	HC-ENG HD/AF *
TOT.LD.	40.0 PSF	SEQN- 17367
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T25487_Z01

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

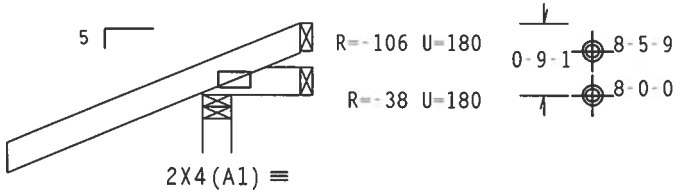
Wind reactions based on MWFRS pressures.

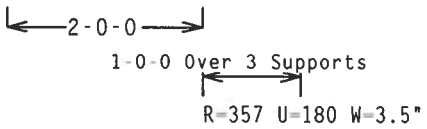
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:12 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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

TC LL	20.0 PSF	REF	R487-- 88169
TC DL	10.0 PSF	DATE	11/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06312026
BC LL	0.0 PSF	HC-ENG	HD/AF
TOT.LD.	40.0 PSF	SEQN-	17369
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T25487_Z01

Cal-Tech Testing, Inc.

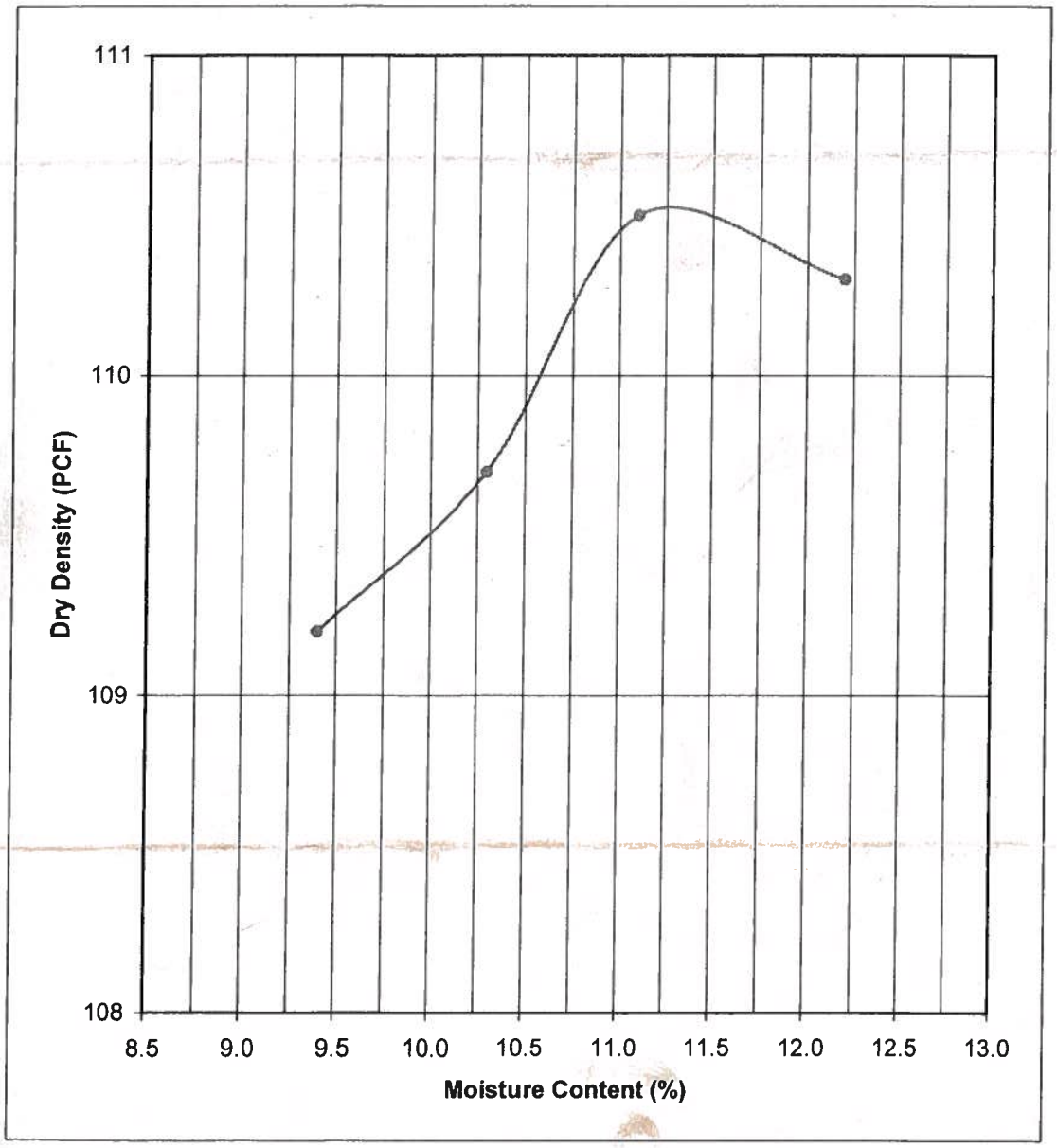
• Engineering
• Geotechnical
• Environmental
Laboratories

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

REPORT OF LABORATORY COMPACTION TEST

Client: Freeman Design Group, 161 NW Madison St., Ste. 102, Lake City, FL 32055
Project Name: Jerry Bisque Residence
Project Location: Lake City, Florida
Contractor: Freeman Design

File No: 06-685
Date: 12/13/2006
Lab No: 9295



PROCTOR DATA

Proctor No.: 1

Modified Proctor (ASTM D-1557) ☑

Standard Proctor (ASTM D-698) ☐

Maximum Dry Dens. Pcf: 110.5

Optimum Moisture Percent: 11.3

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

Sample Description: Fine Grey Sand w/Trace of Silt
Sample Location: Building Pad
Proposed Use: Building Fill
Sampled By: Terry Hygema **Date:** 12/11/2006
Tested By: Tim Cassidy **Date:** 12/12/2006
Remarks: 1cc: Client
1cc: File

Linda Creamer, CEO, DBE
Linda M. Creamer
President - CEO
Reviewed By: Robert W Clark
Date: 12/15/06
FL Registration No: 52210

ee

26005

Cal-Tech Testing, Inc.

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P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
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2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 06-685
DATE TESTED: 12/11/06
DATE REPORTED: 12/13/06

PROJECT:	Jerry Bisque Residence
CLIENT:	Freeman Design Group, 161 NW Madison St., Ste. 102, Lake City, FL 32055
GENERAL CONTRACTOR:	Freeman Design Group
EARTHWORK CONTRACTOR:	Freeman Design Group
INSPECTOR:	Terry Hygema

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

SPECIFICATION REQUIREMENTS: 95%

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	20' North 10' West from SE Corner	12"	117.2	5.8	110.8	1	110.5	100.2%
2	10' South 12' East from NW Corner	12"	119.9	6.0	113.1	1	110.5	102.4%
3	18' North 15' East from SW Corner	12"	116.7	6.0	110.1	1	110.5	99.6%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS

PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft³)	OPT. MOIST.	TYPE
1	Fine Grey Sand w/Trace of Silt	110.5	11.3	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda Creamer, CEO, DBE

Linda M. Creamer
President - CEO

ee

Reviewed By:

Robert W Clark

Date: 12/15/06
Florida Registration No: 52210

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

CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625 • Lake City, FL 32056 • (386) 755-3633 • Fax (386) 752-5456

2230 Greensboro Hwy.
Quincy, FL 32351
(850) 442-3495 • Fax (850) 442-4008
4784 Rosselle St.
Jacksonville, FL 32254
(904) 381-8901 • Fax (904) 381-8902

REPORT OF DAILY CONSTRUCTION TESTING AND MONITORING

Client Freeman Design
Project Jerry Bisque Res.
Contractor

Date 12-11-06
Job. No 06-685
Technician T. Hygema

WORK ORDER:

☒ DENSITY
Spec's: 9520
Test No.: 1-3
Inches: 12"

☐ CONCRETE
☐ Cylinders
☐ Beams
☐ Prisms
☐ Pick-Up
Set No.

☒ Pick-Up Proctor 9295

☐ Pick-Up LBR

DESCRIPTION OF DAYS ACTIVITIES:

3-House Pad Densitys
P/u Procter

Densitys Pending Proctor Results

Could not find House Pad client gave Present Bisque Res. Not Pad to be Tested.

Time Out: 9:15
Time In: 11:15

FDT's Performed 3
Cyls Cast/Cal-Tech
Cyls Cast/Client
Beams Cast/Cal-Tech:

Weather:
Hours Worked: 1.00
Other Tests:

Hours Travel: 1.00
Miles Travel:
Hours Standby:
Hours O.T.:

FIELD REPRESENTATIVE

CLIENT REPRESENTATIVE

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.

26005

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. JB100376 Company Phone No. 386-755-2611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Jerry A Rigsby Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 1 mile on Rt 47 Mayo Rd Lake City FL

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

Section 4: Treatment Information

Date(s) of Treatment(s) 7-11-07
Brand Name of Product(s) Used Biflex
EPA Registration No. 53883-164
Approximate Final Mix Solution % .06
Approximate Size of Treatment Area: Sq. ft. 2192 Linear ft. Linear ft. of Masonry Voids
Approximate Total Gallons of Solution Applied 220
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) Steve Brannon 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 Date 7-11-07

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)

To whom it may concern,

I am requesting an extension on building permit #000026005 from July 2008 to October 2008 due to financial reasons. Thank you for your time and consideration in this matter.

Sincerely,

Gerald A. Bisque

To whom it may concern,

I am requesting an extension on building permit #000026005 from October 2008 to January 2009 due to financial reasons. Thank you for your time and consideration in this matter.

Sincerely,

Gerald A. Bisque

To whom it may concern,

I am requesting an extension on building permit #000026005 from January 2009 to April 2009 due to financial reasons. Thank you for your time and consideration in this matter.

Sincerely,

Gerald A. Bisque

To whom it may concern,

I am requesting an extension on building permit #000026005 from April 2009 to July 2009 due to financial reasons. Thank you for your time and consideration in this matter.

Sincerely,

Gerald A. Bisque

To whom it may concern,

I am requesting an extension on building permit #000026005 from July 2009 to October 2009 due to financial reasons. Thank you for your time and consideration in this matter.

Sincerely,

Gerald A. Bisque

To whom it may concern,

I am requesting an extension on building permit #000026005 from October 2009 to January 2010 due to financial reasons. Thank you for your time and consideration in this matter.

Sincerely,

Gerald A. Bisque

To whom it may concern,

I am requesting an extension on building permit #000026005 from January 2010 to April 2010 due to financial reasons. Thank you for your time and consideration in this matter.

Sincerely,

Gerald A. Bisque