	Building Permit PERMIT	
This Permit Expires One Ye	ear From the Date of Issue 000025787 PHONE 752-2281	
ADDRESS 387 SW KEMP COURT	LAKE CITY FL 32024	
OWNER ALTAMIRA FARMS	PHONE 813 514-2816	
ADDRESS 166 NE ROE PLACE	WHITE SPRINGS FL 32096	
CONTRACTOR ISAAC CONSTRUCTION	PHONE 719-7143	
LOCATION OF PROPERTY 441N, 11 MILES PAST I-10, TR I	INTO DEER RUN, TO THE	
END ON LEFT		_
TYPE DEVELOPMENT SFD,UTILITY EST	TIMATED COST OF CONSTRUCTION 112700.00	
HEATED FLOOR AREA 2254.00 TOTAL ARE	EA 4253.00 HEIGHT 24.00 STORIES 2	_
FOUNDATION CONC WALLS FRAMED R	ROOF PITCH 6/12 FLOOR SLAB	_
LAND USE & ZONING A-1	MAX. HEIGHT 24	_
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 05-1S-17-04492-010 SUBDIVISION	N DEER RUN PRESERVATION	
LOT 8/9 BLOCK PHASE UNIT	TOTAL ACRES 40.00	
	AAA	e (=0)
000001381 CBC059323	mul fry	
Culvert Permit No. Culvert Waiver Contractor's License Num		5
WAIVER 07-291 BK	JH Y	
	ng checked by Approved for Issuance New Resident	
COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE		_
	Check # or Cash 8114	
EOD DINI DINC 9 ZONIN		_
Temporary Power Foundation	(Tooter/Siab)	
Temporary Power Foundation date/app. by	date/app. by date/app. by	_
Under slab rough-in plumbing Slab	Sheathing/Nailing	
date/app. by	date/app. by date/app. by	
Framing Rough-in plumbing ab		
date/ann by	ove slab and below wood floor	_
date/app. by Electrical rough-in	date/app. by	-
Electrical rough-in Heat & Air Duct	date/app. by Peri. beam (Lintel)	-
Electrical rough-in Heat & Air Duct date/app. by C.O. Final	date/app. by	-
Electrical rough-in date/app. by Permanent power date/app. by C.O. Final date/app. by	date/app. by Peri. beam (Lintel) date/app. by Culvert date/app. by date/app. by	<u></u>
Electrical rough-in date/app. by Permanent power date/app. by C.O. Final date/app. by M/H tie downs, blocking, electricity and plumbing date/app.	date/app. by Peri. beam (Lintel) date/app. by Culvert date/app. by Pool	-
Electrical rough-in date/app. by Permanent power date/app. by C.O. Final date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection Pump pole	date/app. by Peri. beam (Lintel) date/app. by Culvert date/app. by Pool by Utility Pole	
Electrical rough-in date/app. by Permanent power C.O. Final date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection Pump pole date/app. by M/H Pole Travel Trailer	date/app. by Peri. beam (Lintel) date/app. by Culvert date/app. by Pool by Utility Pole app. by Re-roof	- 2
Electrical rough-in date/app. by Permanent power C.O. Final date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection Pump pole date/app. by M/H Pole Travel Trailer	date/app. by Peri. beam (Lintel) date/app. by Culvert date/app. by Pool by Utility Pole app. by date/app. by date/app. by	- 0
Electrical rough-in date/app. by Permanent power C.O. Final date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection Pump pole date/app. by M/H Pole Travel Trailer	Peri. beam (Lintel) date/app. by Culvert date/app. by Pool by Utility Pole app. by Re-roof date/app. by date/app. by date/app. by date/app. by date/app. by	-
Electrical rough-in date/app. by Permanent power C.O. Final date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection Pump pole date/app. by M/H Pole Travel Trailer date/app. by	Peri. beam (Lintel) date/app. by Culvert date/app. by Pool by Utility Pole app. by Re-roof ate/app. by SURCHARGE FEE \$ 21.27	-
Electrical rough-in date/app. by Permanent power C.O. Final date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection Pump pole date/app. by Travel Trailer date/app. by BUILDING PERMIT FEE \$ 565.00 CERTIFICATION FEE MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00	date/app. by Peri. beam (Lintel) date/app. by Culvert date/app. by Pool by Utility Pole app. by Re-roof ate/app. by SURCHARGE FEE \$ 21.27	
Electrical rough-in date/app. by Permanent power C.O. Final date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection Pump pole date/app. by Travel Trailer date/app. by BUILDING PERMIT FEE \$ 565.00 CERTIFICATION FEE MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00	date/app. by Peri. beam (Lintel) date/app. by Culvert date/app. by Pool by Utility Pole app. by Re-roof ate/app. by SURCHARGE FEE \$ 21.27 FIRE FEE \$ 0.00 WASTE FEE \$	

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.

Columbia County Building Permit Application	
For Office Use Only Application # 0704-09 Date Received 4/407 By Fermit #1381/ 3787	
Application Approved by - Zoning Official Date 4-12-0	>
Flood Zone Development Permit Zoning Land Use Plan Map Category	
Comments	
NOC DEH - Deed or PA - Site Plan - State Road Info - Parent Parcel # - Development Perm	it
Fax 752-2282	_
Name Authorized Person Signing Permit Linda or Melanie Roder Phone 752-228/ Address 387 Sw Kempet Lake City FC 32024	_
	_
Owners Name Htamira torms, LC Phone (813) 514-2816	
971 Address 166 NE ROE PLANE, While Springs 32096	-
Contractors Name Isaac Bratkovich of Isaac Construction Phone 719-7143	_
Address 2109 W. US Hwy 90 Lale City FC 32055	
Fee Simple Owner Name & Address NH	
Bonaing Co. Name & Address NA	
Architect/Engineer Name & Address Gary Gill 130 W. Howard St. Live Oak, PL	
Mortgage Lenders Name & Address //	
Circle the correct power company - FL Power & Light - Clay Elec Suwannee Valley Elec Progressive Energy	IV
Property ID Number 05-15-17-04492-010 Estimated Cost of Construction 358 K	LE
Subdivision Name / Jeek Nuh Kheseruption Lot 8+9 Block Unit Phase	
Driving Directions Hwy 441 N , 11 miles past I-10 turn R in to Deer	
12un, follow easement to end on left	
Type of Construction SFD Number of Existing Dwellings on Property	
Total Acreage 40 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Driv	16
Actual Distance of Structure from Property Lines - Front 1050 Side 100 Side 508 Page 300	7
Total Building Height 24-113" Number of Stories 2 Heated Floor Area 2754 Roof Pitch 6-124-	12
10176 4737	_
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	
an idea 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 COMMENCIMENT MANY DECIME	
TALLE I ON INITIONE MENTS TO TOUR PROPERTY IF YOU INTEND TO OBTAIN ENIANCING CONCUE TARREST AND TO THE PROPERTY OF THE PROPERT	
ENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.	
- Mac Bratisarik	
Owner Builder or Authorized Person by Notarized Letter Barbara C. Webster Contractor Signature Contractors License Number CBC 05 9323	÷
TATE OF FLORIDA * Commission # DU329219 Competency Card Number	_
NOTARY STAMP/SEAL	-
Sworn to (or affirmed) and subscribed before me	
Joseph Market Ma	
Personally known or Produced Identification Notary Signature (Revised Sept. 2006)	3)



"BUILDING DREAM LIOMES"

2109 W. U.S HWY 90 | SUITE #170 PMB338 LAKE CITY, FL 3205!

March 20, 2007

CONSTRUCTION,

FINE CUSTOM LOMEBUILDING

Columbia County Building Department 135 NE Hernando Avenue Suite B 21 Lake City, FL 32055

RE:

Altamira Farm, LLC Parcel # 05-1S-17-04492-010

LETTER OF AUTHORIZATION

I, Isaac Bratkovich authorize Linda Roder or Melanie Roder to be the representative for Isaac Construction, Inc. in all aspects of applying for the building permit for Manuel Solorzano with the Columbia County Building Department.

Isaac Bratkovich, President Isaac Construction, Inc.

The foregoing was acknowledged before me on this 1st day of December, 2004, by Isaac Bratkovich, as the President of Isaac Construction, Inc. He is personally known to me and did take an oath.

Barbara C. Webster
Commission # DD329279
Expires July 2, 2008
Bonded Troy Fair Insurance, Inc. 800-385-7019

Notary Public

My Commission Expires: 1-2-08

Prepared by: Matthew D. Rocco Sierra Title, LLC 619 SW Baya Drive, Suite 102 Lake City, Florida 32025

File Number: 06-0388

Inst:2006029677 Date:12/18/2006 Time:15:47
Doc Stamp-Deed: 1442.00
______DC,P.Dewitt Cason,Columbia County B:1105 P:553
General Warranty Deed

Made this December 15, 2006 A.D. By Zachariah P Cook, a married man and Kim N Heitzman, a married man, Post Office B ix 788, Lake City, FL 32056, hereinafter called the grantor, to Altamira Farm, LLC, a Florida Limited Liability Company, whose post office address is: 1221 Bruce B Downs #110, Wesley Chapel, FL 33543, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individual; and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirm s unto the granter, all that certain land situate in Columbia County, Florida, viz:

See Attached Schedule "A"

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) rany members of the household of Grantor(s) reside thereon.

Parcel ID Number: R04492-006

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 grantee that the grantor is lawfully seized of said land in fee simple; tl at the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land at 1 will defend the same; against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes at ruing subsequent to December 31, 2006.

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

Signed, sealed and delivered in our presence:

	3		(Se il)
Witness Printed Name	Matthew D. Rocco	Zachariah P Cook Address: P O Box 788, Lake City, FL 32056	
EM	20	Kim N Heitzman	(Se d)
Witness Printed Name 10	vor Nickelen	Address: P O Box 788, Lake City, FL 32056	

State of Florida County of Columbia

The foregoing instrument was acknowledged before me this 15th day of December, 2006, by Zachariah P Cook, a married man and 1 im N Heitzman, a married man, who is/are personally known to me or who has produced as identification.

Notary Public
Print Name:

My Commission Expires:

Notary Public State of Florida Matthew Rocco My Commission DD578349 Expres U9/17/2010 Prepared by: Matthew D. Rocco Sierra Title, LL C 619 SW Baya Drive, Suite 102 Lake City, Florida 32025

File Number: 06-0388

Schedule "A"

(TRACT #8)

A part of the SE 1/4 of Section 5, Township 1 South, Range 17 East, Columbia County, Florida, more particul rly described as follows: Begin at the Southeast corner of the SE 1/4 of said Section 5 and Run S.88°18'50"W., a ong the South line of the SE 1/4 of said Section 5, a distance of 655.01 feet; thence N.01°57'24"W., a distance of 1337.13 feet: thence N.88°14'14"E., a distance of 655.00 feet to the East line of the said SE 1/4; thence S.01°57'24"E., a distance of 1334.91 feet to the Point of Beginning. Subject to an easement for ingress, egress and utilities over and across the North 30.00 feet thereof.

ALSO: (TRACT #9)

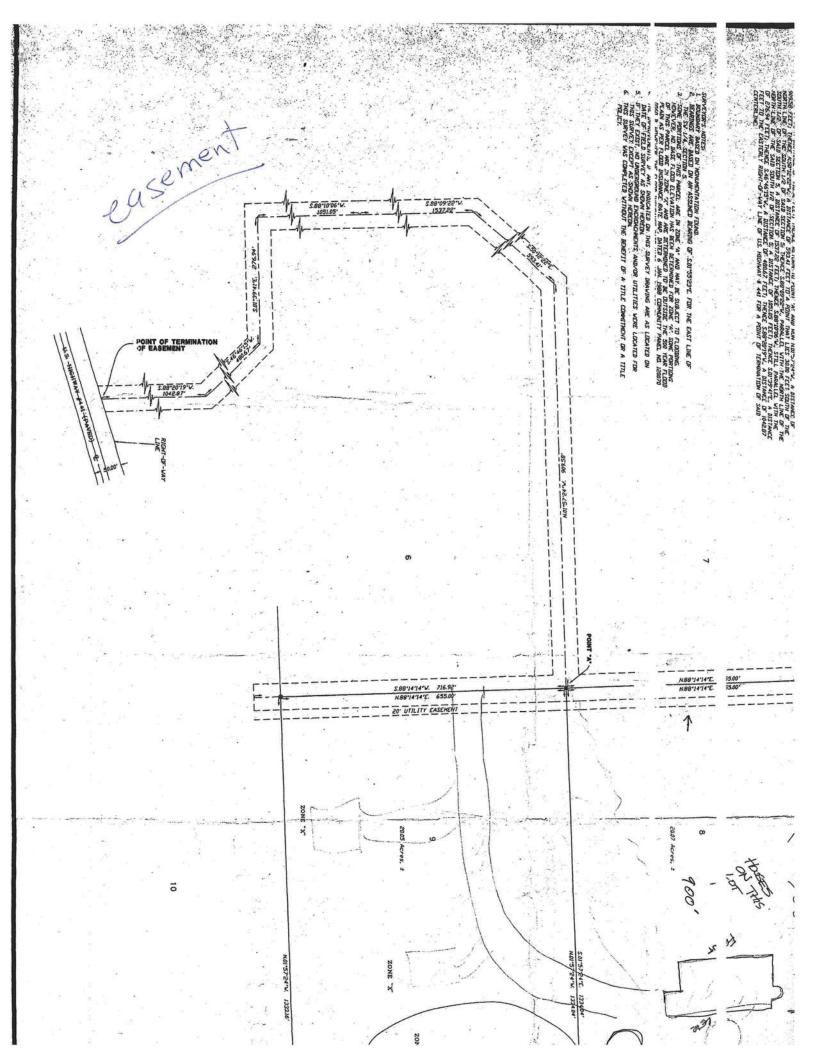
A part of the SE 1/4 of Section 5, Township 1 South, Range 17 East, Columbia County, Florida, more particul rly described as follows: Commence at the Southeast corner of the SE 1/4 of said Section 5 and run S.88°18'50"V/, along the South line of the SE 1/4 of said Section 5, a distance of 655.00 feet for a Point of Beginning; thence continue S.83°18'50"W, a distance of 655.01 feet; thence N.01°57'24"W, a distance of 1333.16 feet; thence N.88°14'14"I3, a distance of 655.00 feet; thence S.01°57'24"E, a distance of 1337.13 feet to the Point of Beginning. Subject to an easement for ingress, egress and utilities over and across the North 30.00 feet thereo:

Also together with an easement for ingress & egress over and across the following described parcel: a part of he South 1/2 of Section 5, Township 1 South, Range 17 East, Columbia County, Florida, being a 60.00 foot wide easement, for ingress, egress and utilities, 30.00 feet left and 30.00 feet right of the following described center ine: commence at the Southeast corner of said Section 5, and run N.01°57'24"W., along the East line of said Section 15, a distance of 1334.91 feet for a Point of Beginning, thence S.88°14'14"W., a distance of 655.00 feet to a point hereinafter known as point "A", thence continue N.88°14'14"W., a distance of 716.92 feet; thence return to point "A" and run N.01°57'24"W., a distance of 909.58 feet; thence N.50°12'22"W., a distance of 593.41 feet to a point that lies 30.00 feet South of the North line of the South 1/2 of said Section 5; thence S.88°09'22"W., parallel vith the North line of the South 1/2 of said Section 5, a distance of 1537.22 feet; thence S.88°10'06"W., still parallel with the North line of the said South 1/2 of Section 5, a distance of 1051.05 feet; thence S.01°39'41"E., a distance of 276.94 feet; thence S.46°46'15"W., a distance of 480.67 feet; thence S.88°20'19"W., a distance of 1042.87 leet to the Easterly right-of-way line of U.S. Highway #441 for a Point of Termination of said centerline.

Inst:2006029677 Date:12/18/2006 Time:15:47
Doc Stamp-Deed: 1442.00
_____DC,P.DeWitt Cason,Columbia County B:1105 P:554

Altamira Farm LLC 05-15-17-04492-010

1310.02 Lo+8 20.05 20.05 20.07 drive "3CV 0 133481 ool 1334.16 明 1310.00



3867553885



Lake Ci y (386) 75: 3611 Gainesvil e (352) 49 5751 Fix (386) 75 3885 Toll Free 1-800-61 4707

Notice of Intent for Preventative Treatment for Termites (As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc. (386) 755-3611 State License # - JB109476 State Certification # - JF104376

Altamira Farms LLC 05-1s-17-04492-010 Columbia County (Isaac Const.) Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment - 23% Disodium Octaborate Tetrahydrate

Method of Termite Prevention Treatment - Soil Barrier, Wood Treatment, Bait System, Other

Application onto Structural Wood

Description of Treatment

The above named structure will receive a complete treatment for the prevention o subterraneau termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agricul ure and Consumer Services and according to EPA registered label directions as stated n Florida Building Code Section 1861.1.8.



3-22-07





FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Address: City, State: Owner: Manuel Solorzan North		Builder: JSAAC (Permitting Office: Cot Permit Number: 25; Jurisdiction Number: 2	TUMBIA 187
(or Single or Double DEFAULT) 7a. (Db b. SHGC: (or Clear or Tint DEFAULT) 7b. (SH 8. Floor types a. Raised Wood, Post or Pier b. N/A c. N/A 9. Wall types a. Log, 6 inch, Exterior b. N/A c. N/A d. N/A e. N/A d. N/A e. N/A 10. Ceiling types a. Single Assembly b. N/A c. N/A 11. Ducts	escription Area	12. Cooling systems a. Central Unit b. N/A c. N/A 13. Heating systems a. Electric Heat Pump b. N/A c. N/A 14. Hot water systems a. Electric Resistance 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)	Cap: 48.0 kBtu/hr SEER: 13.00
Glass/Floor Area: 0.25	Total as-built p Total base p		3
I hereby certify that the plans and specifical calculation are in compliance with the Florida Energy Code. OWNER/AGENT: 1 Predominant glass type. For actual glass type.	ned, is in compliance	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:	GREATS CREATS

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS:,,,
PERMIT #:

	BASE					AS-	-BUI	LT				
GLASS TYPES .18 X Condition Floor Are		SPM = F	Points	Type/SC	Ove Ornt	erhang Len	500	Area X	SPI	ИΧ	SOF	= Points
.18 2254.	0	18.59	7542.0	1.Double,U=0.25,SHGC=0.	Е	10.0	3.6	18.0	25.8	2	0.36	165.0
				2.Double,U=0.25,SHGC=0.	Ε	10.0	6.8	23.4	25.8	2	0.44	264.0
				3.Double,U=0.25,SHGC=0.	E	10.0	3.6	9.0	25.8	2	0.36	82.0
				4.Double,U=0.25,SHGC=0.	Ε	10.0	3.6	14.3	25.8	2	0.36	131.0
				5.Double,U=0.25,SHGC=0.	Ε	10.0	9.0	23.4	25.8	2	0.49	296.0
				6.Double,U=0.25,SHGC=0.	S	9.0	9.3	28.5	22.1	7	0.53	332.0
-				7.Double,U=0.25,SHGC=0.	W	10.0	6.8	46.8	23.7	7	0.45	503.0
				8.Double,U=0.25,SHGC=0.	W	2.0	11.0	300.0	23.7	7	0.96	6860.0
				9.Double,U=0.25,SHGC=0.	N	2.0	9.3	28.5	12.5	0	0.96	340.0
				10.Double,U=0.25,SHGC=0	NE	2.0	4.7	20.4	18.5	1	0.80	302.0
			ř.	11.Double,U=0.25,SHGC=0	NW	2.0	4.7	20.4	16.4	6	0.82	275.0
				12.Double,U=0.25,SHGC=0	N	2.0	4.7	6.8	12.5	0	0.86	72.0
				13.Double,U=0.25,SHGC=0	S	2.0	4.5	9.0	22.1		0.69	138.0
				14.Double,U=0.25,SHGC=0	N	2.0	4.5	9.0	12.5	0	0.85	95.0
				As-Built Total:				557.5				9855.0
WALL TYPES	Area X	BSPM	= Points	Туре		R-	-Value	Area	Х	SPI	И =	Points
Adjacent	0.0	0.00	0.0	1. Log, 6 inch, Exterior			0.0	1256.0		1.50		1884.0
Exterior	1256.0	1.70	2135.2	Log, o mon, Emonor			0.0	1200.0		1.00		1001.0
Base Total:	1256.0		2135.2	As-Built Total:				1256.0				1884.0
DOOR TYPES	Area X	BSPM	= Points	Туре				Area	Х	SPN	Л =	Points
Adjacent	0.0	0.00	0.0	1.Exterior Wood				66.4		6.10		405.0
Exterior	74.7	6.10	455.7	2.Exterior Wood				8.3		6.10		50.6
Base Total:	74.7		455.7	As-Built Total:				74.7				455.7
CEILING TYPES	Area X	BSPM	= Points	Туре		R-Valu	ue A	Area X S	SPM	X S	CM =	Points
Under Attic	1933.0	1.73	3344.1	1. Single Assembly			19.0	2305.0	5.64 X	1.00	-ceville	13000.2
Base Total:	1933.0		3344.1	As-Built Total:				2305.0				13000.2
FLOOR TYPES	Area X	BSPM	= Points	Туре		R-	Value	Area	Х	SPN	1 =	Points
Slab Raised	0.0(p) 1933.0	0.0 -3.99	0.0 -7712.7	1. Raised Wood, Post or Pier			11.0	1933.0		1.05		2039.3
Base Total:			-7712.7	As-Built Total:				1933.0				2039.3

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS:,,,	PERMIT #:
715511266. j , j	ΓLINVIII #.

					AS	-BI	UILT						
INFILTRATION	Area X BSP	M = Points							Are	ea 2	X SPM	=	Points
	2254.0 10.2	23013.3							225	4.0	10.21		23013.3
Summer Bas	e Points: 28	777.6	Summer	As-	-Built	P	oints:					5	0247.5
Total Summer > Points	System = Multiplier	Cooling Points	Total Component (System - P		Cap Ratio		Duct Multiplie M x DSM x	er	System Multiplier		Credit Multiplier	=	Cooling Points
28777.6	0.3250	9352.7	(sys 1: Central U 50248 50247.5				R/EFF(13.0 00 x 1.147 1.04 4	x 0.9			0.857 0.857		11691.3 1691.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS:,,,	PERMIT #:

BASE			AS-	BUI	LT				
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area	Type/SC		erhang		Area X	\\/D\	1 Y	WOE	= Points
	140 · 140 ·	Onne	South Store, Dr.		Alea A	VVI	/I /	WOI	- Folitie
.18 2254.0 20.17 8183.0	1.Double,U=0.25,SHGC=0.	E	10.0	3.6	18.0	3.93		1.51	106.0
	2.Double,U=0.25,SHGC=0.		10.0	6.8	23.4	3.93		1.38	127.0
	3.Double,U=0.25,SHGC=0.	E	10.0	3.6	9.0	3.93		1.51	53.0
	4.Double,U=0.25,SHGC=0.	E	10.0	3.6	14.3	3.93		1.51	84.0
	5.Double,U=0.25,SHGC=0.	E	10.0	9.0	23.4	3.93		1.32	121.0
	6.Double,U=0.25,SHGC=0.	S	9.0	9.3	28.5	0.67		2.67	51.0
	7.Double,U=0.25,SHGC=0.	W		6.8	46.8	4.99		1.20	280.0
	8.Double,U=0.25,SHGC=0. 9.Double,U=0.25,SHGC=0.	W		11.0	300.0	4.99		1.01	1510.0
, ,	10.Double,U=0.25,SHGC=0	N NE	2.0	9.3 4.7	28.5 20.4	7.24 6.67		1.00	206.0 138.0
	11.Double,U=0.25,SHGC=0	NW	2.0	4.7	20.4	7.06		1.02	145.0
	12.Double,U=0.25,SHGC=0	N	2.0	4.7	6.8	7.24		1.01	49.0
	13.Double,U=0.25,SHGC=0	S	2.0	4.5	9.0	0.67		1.50	9.0
	14.Double,U=0.25,SHGC=0	N	2.0	4.5	9.0	7.24		1.01	65.0
	14.000016,0-0.20,01100-0	14	2.0	4.5	9.0	1.24	VI.	1.01	05.0
	As-Built Total:				557.5				2944.0
WALL TYPES Area X BWPM = Points	Туре		R-	Value	Area	x v	VPM	=	Points
Adjacent 0.0 0.00 0.0	1. Log, 6 inch, Exterior			0.0	1256.0		4.50		5652.0
Exterior 1256.0 3.70 4647.2	T. Log, o mon, Extend			0.0	1200.0		1.00		0002.0
Base Total: 1256.0 4647.2	As-Built Total:				1256.0				5652.0
DOOR TYPES Area X BWPM = Points	Туре				Area	ΧV	VPM	=	Points
Adjacent 0.0 0.00 0.0	1.Exterior Wood				66.4	1	2.30		816.7
Exterior 74.7 12.30 918.8	2.Exterior Wood				8.3		2.30		102.1
					0.500.500	1.00			
Base Total: 74.7 918.8	As-Built Total:				74.7				918.8
CEILING TYPES Area X BWPM = Points	Туре	R	-Value	Ar	ea X W	РМ Х	WC	M =	Points
Under Attic 1933.0 2.05 3962.6	1. Single Assembly			19.0	2305.0 1	.86 X	1.00		4287.3
Base Total: 1933.0 3962.6	As-Built Total:				2305.0				4287.3
FLOOR TYPES Area X BWPM = Points	Туре		R-V	√alue	Area	X V	VPM	=	Points
Slab 0.0(p) 0.0 0.0	Raised Wood, Post or Pier		- 3	11.0	1933.0	,	1.55		2996.1
Raised 1933.0 0.96 1855.7	1. I dised Wood, Fost of Fiel			11.0	1900.0		1.00		2330.1

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS:,,,	PERMIT #:
2000 017	

	BASE	AS-BUILT
INFILTRATION	Area X BWPM = Poin	s Area X WPM = Points
	2254.0 -0.59 -1329	9 2254.0 -0.59 -1329.9
Winter Base	Points: 18237	5 Winter As-Built Points: 15468.4
Total Winter X Points	System = Heating Multiplier Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)
18237.5	0.5540 10103	(sys 1: Electric Heat Pump 48000 btuh ,EFF(7.7) Ducts:Con(S),Con(R),Int(AH),R6.0 15468.4 1.000 (1.000 x 1.169 x 0.93) 0.443 0.950 7075.1 15468.4 1.00 1.087 0.443 0.950 7075.1

FORM 600A-2004R EnergyGauge® 4.5

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS:,,,	PERMIT #:
20.000 (20.000) (20.000	Sec Contraction Contraction

	E	BASE						Α	S-BUII	LT	2		
WATER HEA Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier		Credit Multiplie	
2		2635.00		5270.0	40.0	0.97	2		1.00	2499.18		1.00	4998.
					As-Built To	otal:							4998.

				CODE	CC	OMPLI	ANCE	S1	ATUS	3			
BASE AS-BUILT													
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
9353		10104		5270		24726	11691		7075		4998		23765

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS:	PERMIT #:
ADDRESS:,,,	FERIVITI #.

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circ 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.	

HALL'S PUMP & WELL SERVICE, INC.

OPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL

FAX (\$ 04) 785-7

June 12, 2002

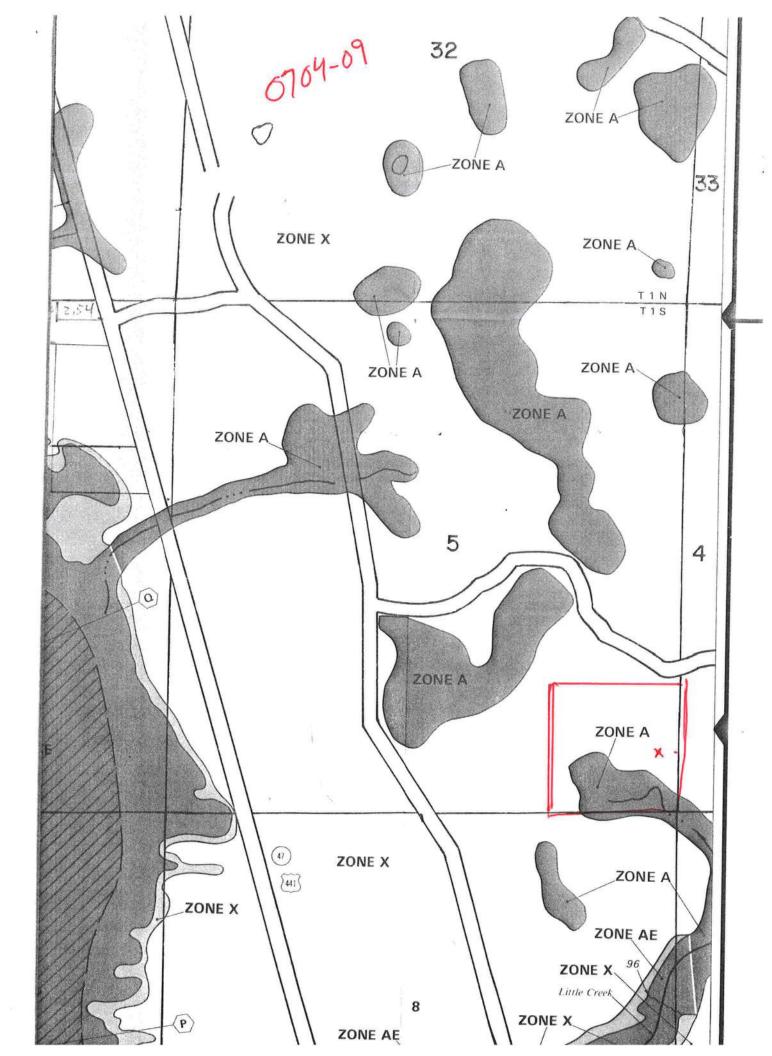
NOTICE TO ALL CONTRACTORS

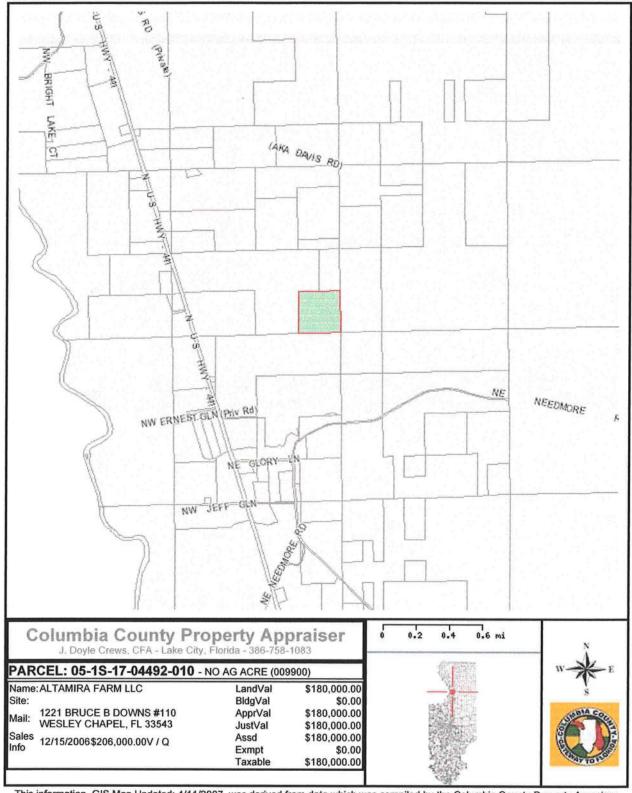
Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

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

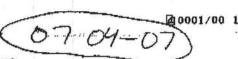
Thank, you

DDH/1K





This information, GIS Map Updated: 4/11/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



NOTICE OF COMMENCEMENT FORM COLUMBIA COUNTY, FLORIDA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in secondaries with Chapter 713, Florida Statutes, the following information in provided in this Notice of Communicament. on of the property and street address or 911 address) G 1310.00 to Deer Run. A-1 Timming Cyrner Name & Address Interest in Property Name & Address of Fee Simple Owner (if other than owner): 5. Contractor Name 15AAC Address 2109 W US Hu 6. Surety Holders Name Address Amount of Sond Inst:2007000315 Date:04/12/2007 Time:11:24 DC,P.Dewitt Cason,Columbia County B:111; P:915 7. Lender Name Persons within the State of Florida designated by the cover upon whom notices or other documents may be served as provided by segtion 715.13 (1)(a) 7: Florida Statutes: " Phone Number Name Address ____ In addition to himself/herself the owner designates : 1 [1]: to receive a copy of the Lienor's Notice as provided in Section 713.1: (1) --(a) 7. Phone Number of the designes 10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recor ling, e of commencement and no one else may be permitted to sign in his/her stead. day of # 1001 affirmed) and subscribed bet are Barbara C. Webster Eignature of Notary

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED:

3/21/2007

DATE ISSUED:

5/7/2007

ENHANCED 9-1-1 ADDRESS:

166

NE ROE

PL

WHILE SPRINGS

L 32096

PROPERTY APPRAISER PARCEL NUMBER:

05-13-17-04492-010

Remarks:

LOT 8 & 9 OF UNRECORDED DIVISION OF PROPERTY

Address Issued By:

Columbia County 9-1-1 Addressing / GIS Department

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

741

Approved Address

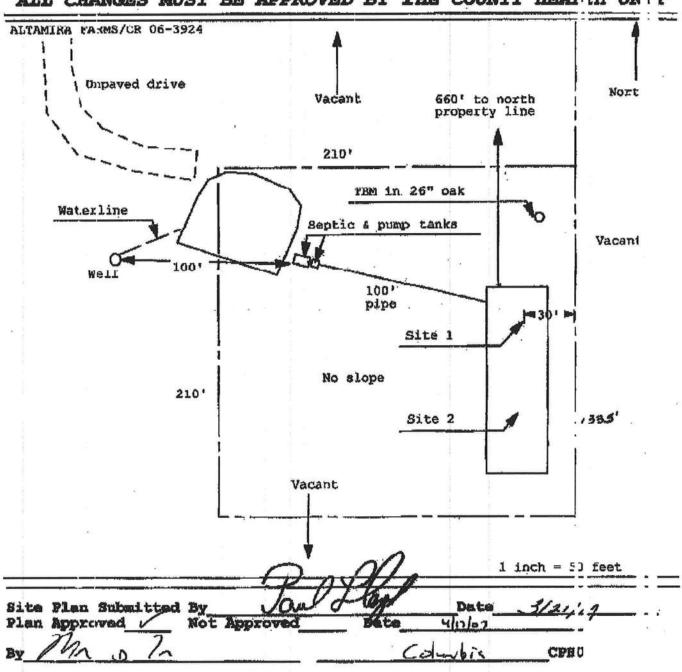
MAY 0 7 2002

9)1Addressing/GIS Dept



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

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEAL TH UN IT



Notes:

AtN: Webbie

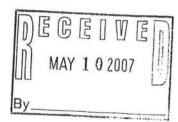
Columbia County Building Department Culvert Waiver

Culvert Waiver No.

Curvert Warrer			000001301
DATE: 05/08/2007	BUILDING PERMIT NO	25787	
APPLICANT LINDA RODER		PHONE	752-2281
ADDRESS 387 SW KEMP C	OURT	LAKE CITY	FL 32024
OWNER ALTAMIRA FARMS		PHONE 8	313 514-2816
ADDRESS 166 NE ROE PLAC	CE	WHITE SPRINGS	FL 32096
CONTRACTOR ISAAC CONSTR	UCTION	PHONE :	719-7143
LOCATION OF PROPERTY	141N, 11 MILES FROM I-10, TR II	NTO DEER RUN, TO	THE END ON LEFT
SUBDIVISION/LOT/BLOCK/PI	HASE/UNITDEER RUN PRESE	R.	8/9
PARCEL ID # 05-1S-17-04492-0	10		
SIGNATURE: A SEPARATE CHECK IS R	EQUIRED	H THE HEREIN PRO	# 0.00
MAKE CHECKS PAYABL	E 10 BCC	Marin Marin	
	PUBLIC WORKS DEPARTMEN	T USE ONLY	
I HEREBY CERTIFY THAT I HAVE CULVERT WAIVER IS:	EXAMINED THIS APPLICATION	ON AND DETERMIN	ED THAT THE
APPROV	/ED	NOT APPROVI	ED - NEEDS A CULVERT PERMIT
COMMENTS: Prive?	na.		
SIGNED: The file	DA DA	TE: 3-14	1-07
ANY QUESTIONS PLEASE CONTAC	CT THE PUBLIC WORKS DEPA	RTMENT AT 386-75.	2-5955.

135 NE Hernando Ave., Suite B-21 Lake City, FL 32055

Phone: 386-758-1008 Fax: 386-758-2160





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.

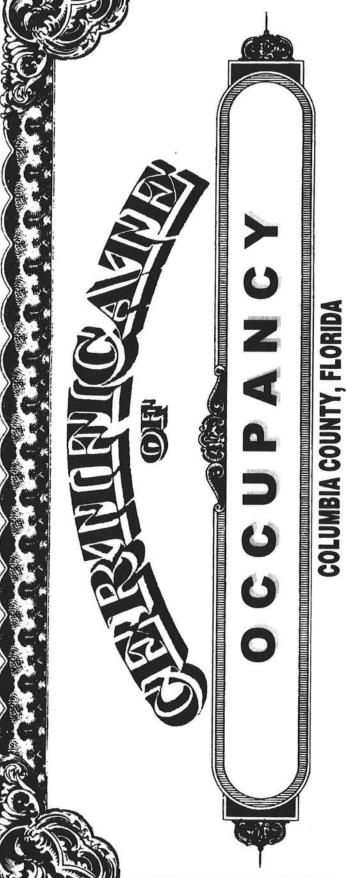
This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

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

#25787

			7	7 21/01	
Section 1	: General Information (Treating Company Information)				2 H C
Comr	pany Name: Aspen Peat Control, Inc.				
Comp	pany Address: 301 NW Cole Terrace	City	Leite City Sta	teZij	32066
	pany Business License No				
	VA Case No. (if any)			883	
Section 2	2: Builder Information	l' s			
Comp	pany Name: Isaar Zonsf	11	Company Phone N	0	
Section 3	3: Property Information				F at a second
	ii (Ci t (-) T t ((Ct t Add L) D i iii	Oit Otata and Zin	441 nov	16 11	0-
Locat	tion of Structure(s) Treated (Street Address or Legal Description	on, City, State and Zip	Boor Av.	1 6054	Lox
Type	of Construction (More than one box may be checked)	Slab 🔲 Baseme	nt FI Crawl	☐ Other	
Appro	oximate Depth of Footing: Outside	_ Inside	0	Other	Priok
Section 4	: Treatment Information				
Date(Brand EPA	(s) of Treatment(s)				
Appro Appro	oximate Final Mix Solution %oximate Size of Treatment Area: Sq. ftoximate Total Gallons of Solution Applied	Linear ft.	Linear ft.	of Masonry Voids	249
Was Servi	treatment completed on exterior? Yes No	This form does not pro	eempt state law.		
	chments (List)				
Comr	ments Trooted Slah - 4+an	walls -	fores		
Name of A	Applicator(s) 5 Hours Hearne	Certification N	lo. (if required by State	aw) JF10	4376
The application federal reg	cator has used a product in accordance with the product label and gulations.	nd state requirements.	All treatment materials ar	id methods used co	omply with state and
Authorized	d Signature	7		Date _ 5- 2	1.07

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)



Department of Building and Zoning Inspection

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

Parcel Number 05-1S-17-04492-010

Permit Holder ISAAC CONSTRUCTION

Use Classification SFD, UTILITY

Owner of Building ALTAMIRA FARMS

122.20 Fire:

Building permit No. 000025787

Waste: 167.50

289.70 Total:

166 NE ROE PLACE, WHITE SPRINGS, FL

Location:

Date: 12/13/2007

Building Inspector

POST IN A CONSPICUOUS PLACE (Business Places Only)



STRUCTURAL AND WIND LOAD CALCULATIONS

For

Suwannee River Log Homes

Issac Construction and Manuel Solorzona

Gary Gill, P.E. 51942 P.O. Box 187 130 West Howard Street Live Oak, FL 32064 Ph. (386) 362-3678 Fax (386) 362-6133 AUTH # 9461

Detailed Wind Load Design (Method 2) per ASCE 7-02

Analysis by: G. GILL

Company Name:

GTC DESIGNGROUP

Description: Solorzano

User Input Data				
Structure Type	Building			
Basic Wind Speed (V)	110	mph		
Struc Category (I, II, III, or IV)	ll .			
Exposure (B, C, or D)	В			
Struc Nat Frequency (n1)	1	Hz		
Slope of Roof	12.0	:12		
Slope of Roof (Theta)	45.0	Deg		
Type of Roof	Gabled			
Kd (Directonality Factor)	0.85			
Eave Height (Eht)	9.30	ft		
Ridge Height (RHt)	16.50	ft		
Mean Roof Height (Ht)	12.90	ft		
Width Perp. To Wind Dir (B)	26.00	ft		
Width Paral. To Wind Dir (L)	10.00	ft		

Calculated Parameter	rs
Type of Structure	
Height/Least Horizontal Dim	1.29
Flexible Structure	No

Calculated Parameters					
Importance Factor	1				
Hurricane Prone R	egion (V>100 m	ph)			
Table 6-	2 Values				
Alpha =	7.000				
zg =	1200.000				
A	1 0440				
At =	0.143				
Bt =	0.840	I			
D					
Bm =	0.450				
Cc =					
	0.450	ft			
	0.450 0.300	ft			

	Gust Factor Category I: Rigid Structures - Simplified Method		giris.
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
	Gust Factor Category II: Rigid Structures - Complete Analysis		
Zm	Zmin	30.00	ft
lzm	Cc * (33/z)^0.167	0.3048	
Lzm	I*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.9243	
Gust2	0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))	0.8804	
7/1 3-5-	Gust Factor Summary	Spale Call	
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

Fig 6-5 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi			
	Max +	Max -		
Open Buildings	0.00	0.00		
Partially Enclosed Buildings	0.55	-0.55		
Enclosed Buildings	0.18	-0.18		
Enclosed Buildings	0.18	-0.18		

Detailed Wind Load Design (Method 2) per ASCE 7-02

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz		Pre	ssure (lb/ft	^2)			
				Windwa	rd Wall*	Leewa	rd Wall	Total	Shear	Moment
ft			lb/ft^2	+GCpi	-GCpi	+GCpi	-GCpi	+/-Gcpi	(Kip)	(Kip-ft)
16.5	0.59	1.00	15.55	7.85	13.30	-9.15	-3.71	17.01	0.66	0.50
15	0.57	1.00	15.13	7.57	13.01	-9.15	-3.71	16.72	7.18	59.85

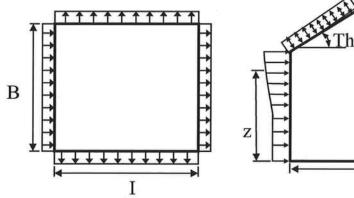
h

Note:

1) Positive forces act toward the face and Negative forces act away from the face.

Figure 6-6 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.57	
	Topographic factor (Fig 6-4)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	15.13	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.70	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp		
Surface	Ср	
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8	

AND THE PROPERTY OF THE PARTY O	Roof Pressure Coefficients, Cp	为有效的基础是是
Roof Area (sq. ft.)		
Reduction Factor		1.00

Calculations for Wind Normal to 26 ft Face	Ср	Pressure	e (psf)
Additional Runs may be req'd for other wind directions		+GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 26 ft wall)	-0.50	-9.15	-3.71
Leeward Walls (Wind Dir Normal to 10 ft wall)	-0.27	-6.20	-0.75
Side Walls	-0.70	-11.73	-6.28
Roof - Wind Normal to Ridge (Theta>=10) - f	or Wind Norn	nal to 26 ft fac	ce
Windward - Min Cp	0.00	0.00	0.00
Windward - Max Cp	0.30	1.13	6.58
Leeward Normal to Ridge	-0.60	-10.44	-4.99
Overhang Top (Windward)	0.00	0.00	0.00
Overhang Top (Leeward)	-0.60	-7.72	-7.72

Detailed Wind Load Design (Method 2) per ASCE 7-02

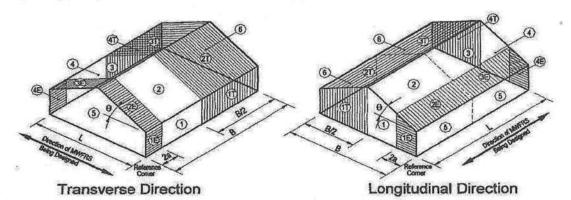
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All Theta) - for	Wind Norma	I to 10 ft face	
Dist from Windward Edge: 0 ft to 25.8 ft - Max Cp	-0.18	-5.04	0.41
Dist from Windward Edge: 0 ft to 6.45 ft - Min Cp	-0.90	-14.26	-8.81
Dist from Windward Edge: 6.45 ft to 10 ft - Min Cp	-0.90	-14.30	-8.85
Dist from Windward Edge: 12.9 ft to 25.8 ft - Min Cp	-0.50	-9.15	-3.71
Dist from Windward Edge: > 25.8 ft	-0.30	-6.58	-1.13

^{*} Horizontal distance from windward edge

Figure 6-10 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.70
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	18.45
Theta =	Angle of Roof	=	45.0 Deg



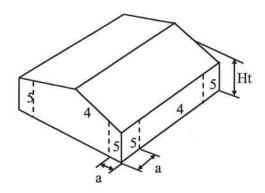
Torsional Load Cases

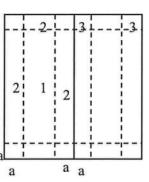
	Nind Pres	ssures on	Main Wind	Force Res	isting Syste	m
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.56	0.18	-0.18	18.45	7.01	13.65
2	0.21	0.18	-0.18	18.45	0.55	7.19
3	-0.43	0.18	-0.18	18.45	-11.25	-4.61
4	-0.37	0.18	-0.18	18.45	-10.15	-3.50
5	-0.45	0.18	-0.18	18.45	-11.62	-4.98
6	-0.45	0.18	-0.18	18.45	-11.62	-4.98
1E	0.69	0.18	-0.18	18.45	9.41	16.05
2E	0.27	0.18	-0.18	18.45	1.66	8.30
3E	-0.53	0.18	-0.18	18.45	-13.10	-6.46
4E	-0.48	0.18	-0.18	18.45	-12.17	-5.53

^{*} p = qh * (GCpf - GCpi)

Detailed Wind Load Design (Method 2) per ASCE 7-02
Figure 6-11 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Gabled Roof 7 < Theta <= 45

a = 1 ==> 3.00 ft

Double Click on any data entry line to receive a help Screen

Component	Width	Span	Area	Zone	G	Ср	Wind Pres	s (lb/ft^2
	(ft)	(ft)	(ft^2)		Max	Min	Max	Min
ROOF	10	1	10.00	1	0.90	-1.00	19.92	-21.77
ROOF EDGE	10	1	10.00	2	0.90	-1.20	19.92	-25.46
WALL	10	1	10.00	4	1.00	-1.10	21.77	-23.61
WALL EDGE	10	1	10.00	5	1.00	-1.40	21.77	-29.15
ROOF EDGE	10	1	10.00	2H	0.90	-2.00	16.60	-36.89

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Detailed Wind Load Design (Method 2) per ASCE 7-02

Analysis by: G. GILL

Company Name:

GTC DESIGNGROUP

Description: Solorzano

User Input I	Data	
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Struc Category (I, II, III, or IV)	11	
Exposure (B, C, or D)	В	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	6.0	:12
Slope of Roof (Theta)	26.6	Deg
Type of Roof	Gabled	
Kd (Directonality Factor)	0.85	
Eave Height (Eht)	9.30	ft
Ridge Height (RHt)	16.50	ft
Mean Roof Height (Ht)	12.90	ft
Width Perp. To Wind Dir (B)	60.00	ft
Width Paral. To Wind Dir (L)	26.00	ft

Calculated Paramete	rs
Type of Structure	
Height/Least Horizontal Dim	0.50
Flexible Structure	No

Calculated	Parameters	10 12
Importance Factor	1	
Hurricane Prone R	egion (V>100 m	ph)
Table 6-	2 Values	
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
D		
Bm =	0.450	
Cc =	0.450 0.300	
		ft
	0.300	ft

	Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85		
PACE S	Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00 ft		
lzm	Cc * (33/z)^0.167	0.3048		
Lzm	I*(zm/33)^Epsilon	309.99 ft		
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.8933		
Gust2	0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))	0.8620		
MARKED AND	Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85		

Fig 6-5 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi				
	Max +	Max - 0.00			
Open Buildings	0.00				
Partially Enclosed Buildings	0.55	-0.55			
Enclosed Buildings	0.18	-0.18			
Enclosed Buildings	0.18	-0.18			

Detailed Wind Load Design (Method 2) per ASCE 7-02

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

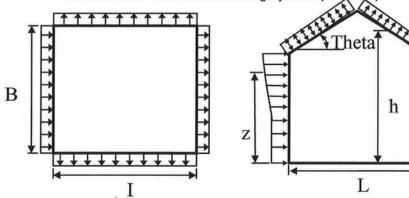
Elev	Kz	Kzt	qz	2 4	Pre	ssure (lb/ft	^2)					
				Windwa	rd Wall*	Leewa	rd Wall	Total	Shear	Moment		
ft			lb/ft^2	+GCpi	-GCpi	+GCpi	-GCpi	+/-Gcpi	(Kip)	(Kip-ft)		
16.5	0.59	1.00	15.55	7.85	13.30	-9.15	-3.71	17.01	1.53	1.15		
15	0.57	1.00	15.13	7.57	13.01	-9.15	-3.71	16.72	16.58	138.12		

Note:

1) Positive forces act toward the face and Negative forces act away from the face.

Figure 6-6 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.57	
	Topographic factor (Fig 6-4)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	15.13	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.70	
	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp					
Surface	Ср				
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8				

	Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)		
Reduction Factor		1.00

Calculations for Wind Normal to 60 ft Face	Ср	Pressure	e (psf)
Additional Runs may be req'd for other wind directions		+GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 60 ft wall)	-0.50	-9.15	-3.71
Leeward Walls (Wind Dir Normal to 26 ft wall)	-0.28	-6.38	-0.94
Side Walls	-0.70	-11.73	-6.28
Roof - Wind Normal to Ridge (Theta>=10) - f	or Wind Norn	nal to 60 ft fac	е
Windward - Min Cp	-0.27	-6.16	-0.71
Windward - Max Cp	0.20	-0.13	5.32
Leeward Normal to Ridge	-0.60	-10.44	-4.99
Overhang Top (Windward)	-0.27	-3.43	-3.43
Overhang Top (Leeward)	-0.60	-7.72	-7.72

Detailed Wind Load Design (Method 2) per ASCE 7-02

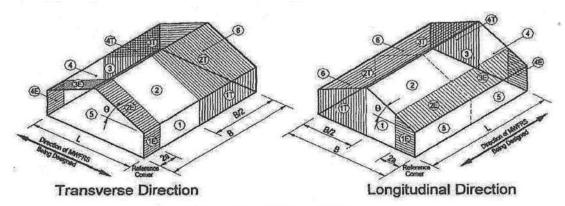
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All Theta) - for	Wind Norma	I to 26 ft face	
Dist from Windward Edge: 0 ft to 25.8 ft - Max Cp	-0.18	-5.04	0.41
Dist from Windward Edge: 0 ft to 6.45 ft - Min Cp	-0.90	-14.30	-8.85
Dist from Windward Edge: 6.45 ft to 12.9 ft - Min Cp	-0.90	-14.30	-8.85
Dist from Windward Edge: 12.9 ft to 25.8 ft - Min Cp	-0.50	-9.15	-3.71
Dist from Windward Edge: > 25.8 ft	-0.30	-6.58	-1.13

^{*} Horizontal distance from windward edge

Figure 6-10 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.70
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	18.45
Theta =	Angle of Roof	=	26.6 Deg



Torsional Load Cases

V	Vind Pres	ssures on	Main Wind	Force Res	isting Syste	m
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.55	0.18	-0.18	18.45	6.82	13.46
2	-0.10	0.18	-0.18	18.45	-5.09	1.55
3	-0.45	0.18	-0.18	18.45	-11.57	-4.93
4	-0.39	0.18	-0.18	18.45	-10.52	-3.88
5	-0.45	0.18	-0.18	18.45	-11.62	-4.98
6	-0.45	0.18	-0.18	18.45	-11.62	-4.98
1E	0.73	0.18	-0.18	18.45	10.10	16.74
2E	-0.19	0.18	-0.18	18.45	-6.74	-0.10
3E	-0.58	0.18	-0.18	18.45	-14.10	-7.46
4E	-0.53	0.18	-0.18	18.45	-13.18	-6.54

^{*} p = qh * (GCpf - GCpi)

Title: Solorzona Dsgnr: Gary Gill Description:

Job#

Date:

Scope:

Rev: 510304 User: KW-0601816, Ver 5.1.3, 22-Jun-1999, Win32 (c) 1983-99 ENERGALC

Timber Beam & Joist

Page 1 p:\2007\pf07-999 srlh solorzona residence\sol

Description

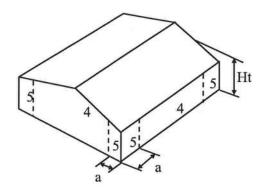
Floor girders

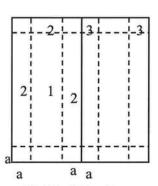
Timber Member Ir	nforma	tion		Calculations are designed to 1997 NDS and 1997 UBC Requirements
	No. of Street, or other Designation of the least	Floor Girder	Floor Girder 2	
Timber Section		6x12	3-2x12	
Beam Width	in	5.500	4.500	
Beam Depth	in	11.500	11.250	
Le: Unbraced Length	ft	0.00	0.00	
Timber Grade				Southern Pine, No.2nthony 24F, Anthony Southern Pine, No.2
Fb - Basic Allow	psi	1,150.0	975.0	
Fv - Basic Allow	psi	95.0	90.0	
Elastic Modulus	ksi	1,800.0	1,600.0	
Load Duration Factor	4	1.000	1.000	
Member Type		Sawn	Manuf/Pine	
Repetitive Status		No	No	
Center Span Data		172		
and the first training of the same		12.00	7.05	
Span	ft	13.00	7.25	
Dead Load	#/ft	70.00	140.00	
Live Load	#/ft	280.00	560.00	
Results	Ratio =	0.6364	0.6215	
Mmax @ Center	in-k	88.72	55.19	
@ X =	ft	6.50	3.62	
fb : Actual	psi	731.9	581.4	
Fb : Allowable	psi	1,150.0	975.0	·
1 b . Allowable	poi	Bending OK	Bending OK	
6 Ab1			Description of Attorn	
fv : Actual	psi	46.2	55.9	
Fv : Allowable	psi	95.0 Shear OK	90.0 Shear OK	
		onear on	Silear OK	
Reactions			Total Control of the	
@ Left End DL	lbs	455.00	507.50	
LL	lbs	1,820.00	2,030.00	
Max. DL+LL	lbs	2,275.00	2,537.50	
@ Right End DL	lbs	455.00	507.50	
LL	lbs	1,820.00	2,030.00	
Max. DL+LL	lbs	2,275.00	2,537.50	
Deflections		Ratio OK	Deflection OK	
Center DL Defl	in	-0.036	-0.010	
L/Defl Ratio		4,351.4	8,540.4	
Center LL Defl	in	-0.143	-0.041	
L/Defl Ratio		1,087.9	2,135.1	
Center Total Defl	in	-0.179	-0.051	
Location	ft	6.500	3.625	
L/Defl Ratio	11	870.3	1,708.1	
L/Dell Natio	- 1	070.3	1,700.1	

Detailed Wind Load Design (Method 2) per ASCE 7-02

Figure 6-11 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Gabled Roof 7 < Theta <= 45

a = 2.6 ==> 3.00 ft

Double Click on any data entry line to receive a help Screen

Component	Width	Span	Area	Zone	G	Ср	Wind Pres	s (lb/ft^2
	(ft)	(ft)	(ft^2)		Max	Min	Max	Min
ROOF	10	1	10.00	1	0.50	-0.90	12.54	-19.92
ROOF EDGE	10	1	10.00	2	0.50	-1.70	12.54	-34.68
WALL	10	1	10.00	4	1.00	-1.10	21.77	-23.61
WALL EDGE	10	1	10.00	5	1.00	-1.40	21.77	-29.15
ROOF EDGE	10	1	10.00	2H	0.50	-2.20	10.00	-40.58

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.



0704 09 Altamira Farms

4345 HIGHWAY 90 WEST, WELLBORN, FL 32094 PHONE 386-963-5647 FAX 386-963-2809

PROJECT NAME:_	ISAAC CONSTRUCTION & SOLORZANO	_
PROJECT LOCATI	ON: COLUMBIA COUNTY, FLORIDA	_
PERMIT APPL. NUI	MBER: 0704-09	

TO WHOM IT MAY CONCERN,

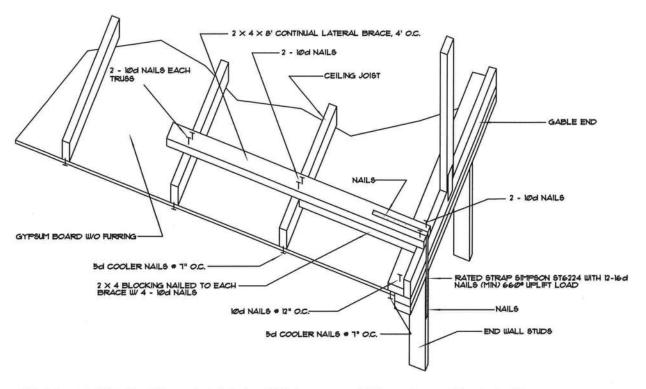
- 1. THE BALCONY SHALL HAVE A RAILING IN COMPLIANCE WITH SECTION R312.1 OF THE FRC.
- 2. PLEASE REFER TO THE ATTACHED SHEETS FOR THE FIRE RATING EQUATION OF THE LOG WALL.
- 3. PLEASE REFER TO THE ATTACHED SHEET FOR THE TRUSS BRACING DETAIL.

THANK YOU,

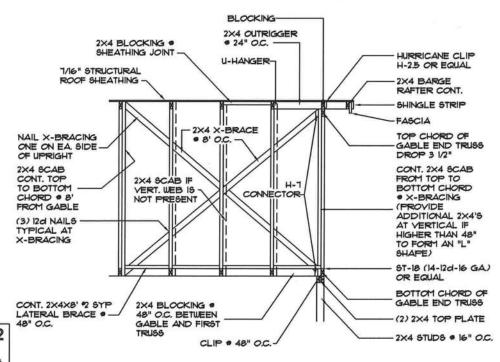
GARY J., GILL, P.E.



4345 HIGHWAY 90 WEST, WELLBORN, FL 32094 PHONE 386-963-5647 FAX 386-963-2809



CEILING CONNECTION TO GABLE ENDWALL FOR GYPSUM BOARD DIAPHRAGMS



Gary J. Gill, P.E. #51942
P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
structural engineers Auth. #: 9461

PLATFORM FRAMING GABLE END

Fire Performance of Log Walls

Species	Burn Rate
Douglas Fir, Redwood	1.6 inches per hour
Bald Cypress, Spruce	1.7 inches per hour
Oak, Northern Red / White	1.8 / 1.5 inches per hour
Pine: Eastern White	1.6 inches per hour
Ponderosa	2.1 inches per hour
Southern	2.2 inches per hour
Sugar	2.0 inches per hour

This information is valuable in determining fire resistance because it illustrates how much wood is removed from the structural integrity of the member after burning for one hour. If only 3 inches of sound wood were capable of supporting design loads, the overall thickness of the log wall could be 4.6 to 5 inches.

For more information on fire safety and the performance of wood in fire, refer to the *Wood Handbook: Wood as an Engineering Material* (FPL-GTR-113) and other Forest Service publications.

Code Comparison: Solid Wood Walls vs. Heavy Timber Construction Type

Heavy timber construction is considered fire-resistive if the structure can maintain its integrity for a specific amount of time during a fire. The structure can consist of timber framing to provide the entire support; curtain walls or load bearing walls must be fire-resistive construction. The intent of the codes is to provide a barrier to movement of fire through containment with minimal impact on structural integrity. Containment is measured by temperature rise on the wall surface opposite of the fire exposure while the construction continues to support the design loads.

Load Transfer Comparison

In heavy timber construction, the structural loads placed on the assembly are transferred from spanning members (beams, rafters, joists) to specific bearing areas (post, column, mullion). In log buildings, the log wall is a fully supported beam supporting the same structural frame members.

- Rather than substantial concentrated loads on a few vertical members supporting the entire framework, log wall construction spreads the loads throughout the entire structure.
- Secondly, the log wall assembly is likely to be only exposed to fire on one side while the timber column will have three or all four surfaces exposed.

These are important considerations since the log building is likely to be less prone to collapse in any one area under a fire condition.

Fire Exposure Comparison

Since log walls are a solid assembly extending from subfloor to roof, there is only opportunity for exposure on two sides of the assembly. The concept that the unobstructed height of the log wall is to be used in determining fire resistance is supported by Rule 1 from T.Z. Harmathy's *Ten Rules of Fire Endurance Rating* (published in 1965 in *Fire Technology*). This rule states:

The "thermal" fire endurance of a construction consisting of a number of parallel layers is greater than the sum of the "thermal" fire endurance characteristics of the individual layers when exposed separately to fire.

Fire Performance of Log Walls

This rule, as substantiated by testing on glu-lam beams, supports the fact that the fire rating of a log wall would be based on the total height of the assembly as defined by contiguous courses (layers) and protected openings. The effective height would be determined to the bottom of an adjoining horizontal interface (floor or roof assembly).

Therefore, to differentiate solid wood walls from other types of wood construction in model codes, the Log Homes Council established the following definition of log wall construction:

Log wall construction is a type of construction in which the exterior building walls are constructed of solid wood members not less than 6" (152mm) in nominal thickness in which fire resistance is attained by the size and low thermal conductivity of the wood members.

This definition is directly correlated to the requirement for Heavy Timber Construction that calls for a minimum 6" dimension to structural members. In the absence of supporting research, it is impractical to include smaller wood members in the log wall.

Calculating Fire Resistance Rating

The desire to establish a reasonable fire rating for solid wood walls included a search for existing methodology that could be logically applied. The research effort uncovered formulas for determining fire resistance for beams and columns published by the American Institute of Timber Construction, American Forest and Paper Association, CABO National Evaluation Service (NER-250), and adopted into each of the model building codes (BOCA, ICBO, SBCCI).

Referring to ICBO's Uniform Building Code, Chapter 7 Fire-Resistant Materials and Construction, Section 703.3 Calculating Fire Resistance: "The fire-resistive rating of a material or assembly may be established by calculations. The procedures used for such calculations shall be in accordance with U.B.C. Standard 7-7." The 1994 Uniform Building Code Standard 7-7, Methods for Calculating Fire Resistance of Steel, Concrete, Wood, Concrete Masonry and Clay Masonry Construction, Part VI – Method for Design of One-hour Fire-resistive Exposed Wood Member 6-inch (152mm) Nominal or Greater (NER-250) defines the procedure to establish the fire rating of columns or beams and to determine the size required to be treated as one hour.

Given that the standard only provides guidelines for columns (exposed on four sides) and beams (exposed on three sides), the approach to calculate a fire rating for a log wall will begin with the conservative equation for beams. Per the published standards, the calculation of fire resistance rating for a given timber beam size, in minutes, is equal to

Minutes of Fire Resistance Rating = 2.54 Zb [4-(b/d)].

Where:

- b = the breadth (width) of a beam or larger side of a column before exposure to fire, inches. By definition of this section, the minimum breadth is 6-in. nominal (5.5-in. actual per the National Design Specification for Wood).
- d = the depth of a beam or smaller side of a column before exposure to fire, inches. It is assumed that each horizontally laid wall-log (as defined by ASTM D-3957) acts as a beam to support roof/floor loading. Whether considered as acting independently or collectively (e.g., as a glulam timber), the depth of the beam would be considered to be the height (in inches) of the contiguous wall-log surfaces. Therefore, the depth of an 8-ft. high log wall would be 96-in.; the depth of a header over a door/window opening might be 8 to 18 inches.
- Z = the load factor taken from the graph of load on a member as a percent of allowable (UBC Figure 7-7-1, NER-250 Figure 1). For all beams, the maximum load factor is 1.3 and assumes that the load on the member as a percent of allowable load is no more than 50%.

Fire Performance of Log Walls

The load factor, Z, is typically established at 1.3 for a beam or 1.5 for a column that is loaded to 50% of less of its allowable load. As described above, the log wall is capable of acting as a structural beam but is fully supported by the foundation, and it is limited in exposure to either interior or exterior. Considering that the log wall will not be loaded as much as 50% of allowable and exposure from 2 sides versus the 3 provided by beams and 4 by columns, it appears logical that the load factor of 1.5 for columns would be applicable.

Using these criteria, the ratings for a 4" and 6" thick log wall were calculated as follows. The first three calculations maintain the premise assumed above. The last provides a more conservative approach that coincides with the definition of heavy timber construction.

- a) If $b \ge 4$ ", d = 96" (8-ft.), and Z = 1.5; (2.54*1.5*4*[4-(4/96)]) = 60.325 minutes
- b) If $b \ge 6$ ", d = 96" (8-ft.), and Z = 1.5; (2.54*1.5*6*[4-(6/96)]) = 90.4875 minutes
- c) If $b \ge 8$ ", d = 96" (8-ft.), and Z = 1.5; (2.54*1.5*8*[4-(6/96)]) = 120.015 minutes
- d) If rating = 60 minutes, b=d, and Z=1.3; (60/(2.54*1.3*<[>4-(4/4)])) = 6.057 inches.

Based on the calculation model above, research data on timbers, and fire testing (see Summary of Fire Tests & Supporting Opinions in the back of this paper), the Log Homes Council contends that the fire-resistive ratings of solid wood walls can be determined on the basis of the minimum thickness of the wall. Due to the continuous support provided under log walls, this determination should be made using a load factor of 1.5 used typically for columns. As one can see above, as the log wall thickness increases, so does the fire rating of the log wall assembly.

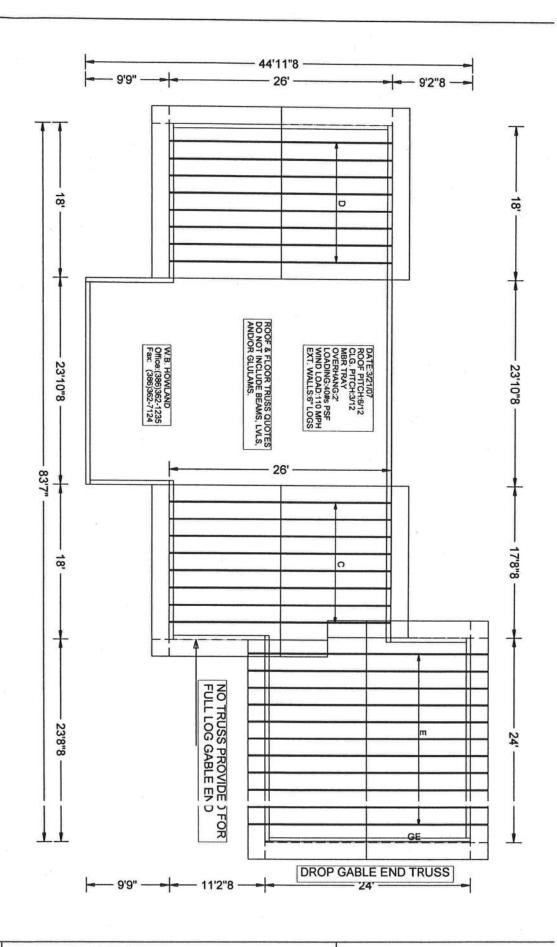
The Urban-Wildland Interface Fire Code

The effort of the Log Homes Council to gain recognition of solid wood walls as a fire-resistive construction culminated in 1996 with the acceptance of log wall construction in the Urban-Wildland Interface Fire Code of the ICC. This code defines log wall construction as

... a type of construction in which exterior walls are constructed of solid wood members and where the smallest horizontal dimension of each solid wood member is at least 6 inches (152mm).

Further, the code makes exception for heavy timber or log wall construction in its requirement for one-hour fire ratings for exterior walls in its Class 1 and Class 2 Ignition-Resistant Construction categories. Additionally, Table 503.1–Ignition-Resistant Construction relates Moderate, High, and Extreme Hazard to the Water Supply and the Defensible Space. For High and Extreme Hazard classes, "Exterior walls shall have a fire-resistive rating of not less than one-hour and the exterior surfaces of such walls shall be noncombustible. Usage of log wall construction is allowed.

The code review committee found the arguments of the Log Homes Council and National Association of Home Builders to be persuasive but maintained that the calculation would be determined using the 1.3 load factor for beams. The Log Homes Council believes this to be a conservative approach.



1 OF 1 PAGE NO: JOB NO:

Job Name: ISAAC/SOLORZANO Customer: SUWANNEE RIVER LOG HOMES

Designer: Lynn Bell

ITW Building Components Group, Inc.



1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1T5Z215-Z0226110622

Truss Fabricator: W.B. Howland

Job Identification: 4441-/ISAAC/SOLORZANO /SUWANNEE RIVER LOG HOMES -- , **

Truss Count: 4

Model Code: Florida Building Code 2004 and 2006 Supplement

Truss Criteria: ANSI/TPI-2002 (STD) /FBC

Engineering Software: Alpine Software, Version 7.25.

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

 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

The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.

3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: A11015EE-GBLLETIN-

#	Ref Description	Drawing#	Date
1	64645 D	07085026	03/26/07
2	64646E	07085028	03/26/07
3	64647 GE	07085027	03/26/07
4	64648C	07085029	03/26/07

Seal Date: 03/26/2007

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



٥ LOG HOMES /SUWANNEE RIVER (4441-/ISAAC/SOLORZANO

chord 2x4 SP chord 2x4 SP Webs 2x4 SP Top chord 2x4 Bot chord 2x4

Wind reactions based on MWFRS pressures.

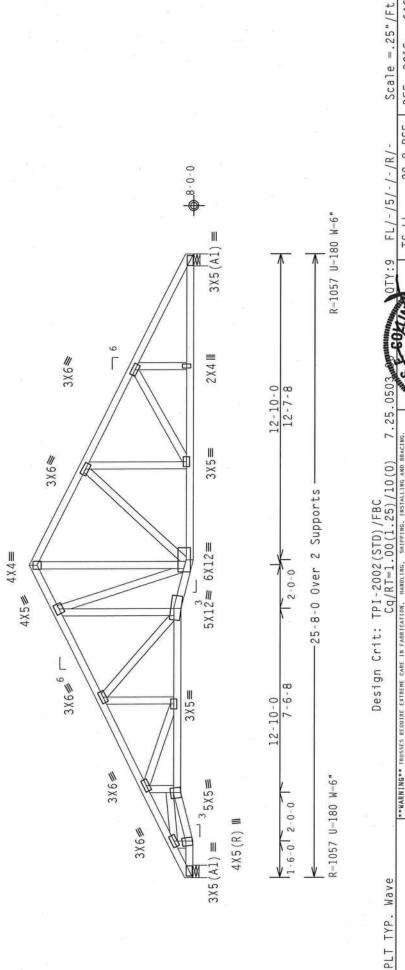
Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 G(pi(+/-)=0.18

Deflection meets L/240 live and L/180 total load

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

Ä



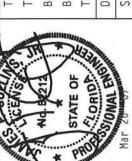
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, INABOLING, SHIPPING, INSTALLING AND BRACING.

REFER TO BESS! (URLIDING COMPONENT SAFETY HEROMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 218

WORTH LEE STREET, SUITE 312, ALEKAMBRA, WA, 22314) AND WITCA (GOOD TRUSS COUNCIL OF AMERICA. GOOD
ENTERPRISE LANE: MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PRESENTING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORN SMALL BAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORN SMALL HAVE
A PROPERRY ATTACHED RIGHD CELLING. *IMPORTANT * *FURRISH

RE RESPOSIBILE FOR AN DELATION FROM THIS DESIGN, ANY FALLER TO BLID DEACHER THUS IN CONFORMANCE WITH DIT. ON FABRICATING, MANDLING, SAIPPING, MEXICALLING, ARGUER OF TRISSES, TO CONFORMANCE WITH DISCRETCHING, MANDLING, SAIPPING, MEXICALLING, ARGUER OF TRISSES, TO THE BCC CONMECTOR PLATES ARE TAKE OF TRISSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION FOR DEACH AND THE SOLUTION OF PRESS OTHERWISE LOCATED ON THIS DESIGN, POSITION FOR DEACH AND THE SOLUTION OF THE SO NACTOR, ITM BCG, INC. SHALL NOT THE TRUSS IN COMFORMANCE WITH ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567

ALPINE



64645	20/9	708502	6	2		5 702
R215	03/26/07	HCUSR215 0708502	RA/AP	42582	LRB	1752215 202
REF R	DATE	DRW HCU	HC-ENG RA/AP	SEON-	FROM	JREF -
PSF	PSF	PSF	PSF	PSF		
20.0	10.0	10.0	0.0	40.0	1.25	24.0"
	DL	DL	11	TOT.LD.	DUR.FAC.	SPACING
<u>ع</u>	C	BC	BC	TOT	DUR	SPA
F	-	B			٥	U

DRW HCUSR215 07085028 64646 1T5Z215_Z02 03/26/07 Scale =.25"/Ft. 42597 HC-ENG RA/AP R215--LRB 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. Iw=1.00 GCpi(+/-)=0.18 JREF-SEON-FROM DATE REF The overall height of this truss excluding overhang is 6-4-3. 20.0 PSF 10.0 PSF 0.0 PSF 10.0 PSF 40.0 PSF 24.0" 1.25 FL/-/5/-/-/R/ Deflection meets L/240 live and L/180 total load DUR.FAC. Z-0-0-Z SPACING R-1118 U-180 W-6" TOT.LD. BC LL 二 DL DL 2X6(A1) ≡ BC 2 QTY:10 9 ORIDA Mar 12-0-0 7.25. /166A (W.W/SS/K) ASTM A6SS GRADE 40/60 (W. K/H.SS) GAIV. STEEL, APPLY UNITES OTHERUSE LOCATED ON THIS DESIGN, POSITION PER DEALWASS 166A-2. OY 11) SIGNLE UP FER ARME 23 OF THIS 200S SEC. 3. A SEAL ON THIS DEFISIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COPPONENT **MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS! GUILLING COMPONENT SAFETY HATORACTION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 HORTH LEE STREET, SUITE 312. ALEXANDELA "YA. 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA. DEFERENCE LAME, MADISON, HI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMENT RESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAMELS AND BOTTOM CHORD SHALL HAVE ITW BCG RACTOR. ITH BCG, INC. SHALL NOT THE TRUSS IN COMFORMANCE WITH 5X5≡ ONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE Supports Cq/RT=1.00(1.25)/10(0) BE RESPONSIBLE FOR ANY DEVIATION FROW THIS DESIGN: ANY TAILURE TO BUILD THE TRUSS IN COMFORM THIS OF ARRESTED. IN CARRESTED, IN COMPENSES. IN COMPENSES. THE COMPONENT HIT APPLICABLE PROHISTIONS OF HIS (MATIONAL DESIGN SPEC. BY AFAPA) AND THI. OFFICE ONE OWEN WITH APPLICABLE PROHISTONS OF HIS SESTIMAN SPEC. BY AFAPA, AND THI. CONNECTOR PLATES ARE MADE OF 20/18/166A (M.H/SS/K) ASTH AASS GRADE 40/60 (M. R/H. AS) GALV. SPLATES TO EACH FACE OF TRUSS AND WHENESE LOCATED ON THIS DESIGN, POSITION PER DRAA MAY HYSPECTION OF PLATES FOLLOWED BY (1) SMALL BE PER AMBER XA OF THIS-2002 SEC.3. Design Crit: TPI-2002(STD)/FBC 4X5≡ 2 24-0-0 Over 3 X 5 ≡ DESIGN SHOWN. THE SUITABILITY AND USE OF BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2. 2X4W 12 - 0 - 0Plates sized for a minimum of 3.00 sq.in./piece. **IMPORTANT ** FURNISH R=1118 U=180 W=6' Wind reactions based on MWFRS pressures. L 2X6(A1) = ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567 L2-0-0-1 Top chord 2x4 SP # Bot chord 2x4 SP # Webs 2x4 SP # PLT TYP. Wave ALPINE

/SUWANNEE RIVER LOG HOMES

4441-/ISAAC/SOLORZANO

GE * HOMES D07 RIVER /SUWANNEE 4441-/ISAAC/SOLORZANO chord 2x4 Webs 2x4 do

Wind reactions based on MWFRS pressures.

See DWGS All015EE0207 & GBLLETIN0207 for more requirements.

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

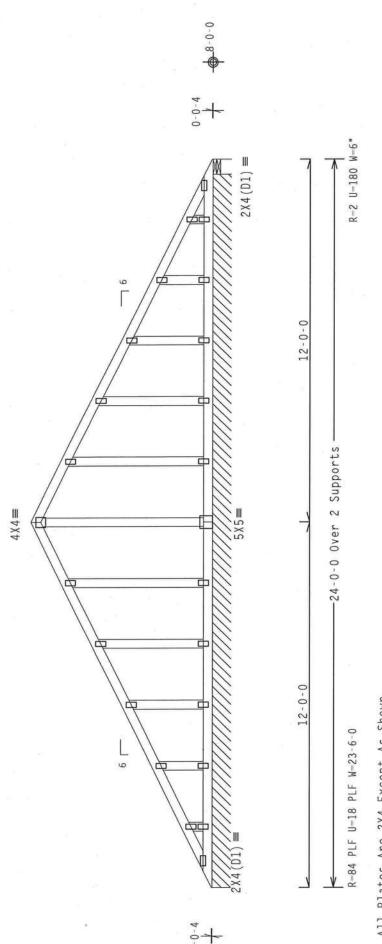
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Gable end supports 8" max rake overhang.

Deflection meets L/240 live and L/180 total load

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



Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) Note: All Plates Are 2X4 Except As Shown.

Wave

PLT TYP.

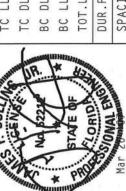
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, INABLING, SHIPPING, INSTALLING AND BRACING.
REFER TO 08CS1 (BUILDING COMPONENT SAFFYT HAS FOAKING), PUBLISHED EN THE (TRUSS FALE INSTITUTE, 218
NORTH LEE STREET, SUITE 312, ALEXANDRA, VA, 22314) AND MITCA (ADOD TRUSS COUNCIL OF AMERICA, 6300
EMITERNISE LANG, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OHIERNISE INDICATED FOR CHOON SHALL MANE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL MAYE
A PROPERLY ATTACHED RIGHD CELLING.

BE RESPOSIBLE FOR ANY DEFAULTON FROM THIS DECIDE, ANY FALLER TO BUILD THE TRUSS IN COMFORMANCE WITH TOT. ON FARBICATING, MANDLING, SHIPPING, USYALIHAGA BRACHING TO RESES.

DISTIGN COUNTRY WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN PROX.) AND THE BEACK COUNTRY OF ARE ANDE OF STRUSS AND WILESS OTHERNISE LOCATED ON THIS DESIGN, POSITION BEACK ARE AND OF STRUSS AND UNKESS OTHERNISE LOCATED ON THIS DESIGN, POSITION BER DRAWINGS 180A.2. ANY INSPECTION OF PROVISES FOLLOWED BY (YI) SHARM IN THE TOTOS ECC. S. A. SECAL ON THIS DRAWING HOLCARS FOLLOWED BY (YI) SHARM FOR DESIGN SHALL YOUR DESIGN SHALL AND THE TOTOS ECC. S. A. SECAL ON THIS DRAWING HOLCARS ENTRY AND THE TOTOS ECC. INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL NOT FAILURE TO BUILD THE TRUSS IN COMFORMANCE WITH HI A COPY OF THIS DESIGN TO THE INSTALLATION CONTRA DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD TH ANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ** IMPORTANT ** FURNISH

ITW Building Components Group, Inc. Haines City, FL 33844 FL Cértificate of Authorization # 567

ALPINE



LL 0.0	C. 1.25 FROM LR	BC DL BC LL TOT. I D		DATE DRW HCI HC-ENG	DATE 03/26/07 DRW HCUSR215 07085027 HC-ENG RA/AP

Scale =.3125"/Ft.

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

OTY:1

7.25.0503

DRW HCUSR215 07085029 1T5Z215_Z0Z 03/26/07 Scale = .25"/Ft. 42623 HC-ENG RA/WHK R215--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. Iw=1.00 GCpi(+/-)=0.18 LRB JREF -SEON-FROM DATE REF The overall height of this truss excluding overhang is 6-9-3. PSF PSF 10.0 PSF 10.0 PSF 0.0 PSF 24.0" 20.0 40.0 1.25 FL/-/5/-/R/ 0-0-8 Deflection meets L/240 live and L/180 total load DUR. FAC. SPACING TOT.LD .9=M BC LL Ы Ы BC 2 R=1057 U=180 3X5 (A1) 01:YIC 9 7.25.0503 12 - 10 - 02X4W RE RESPORTER FOR ANY DEFAILOR TROWN THIS DESIGN, ANY FALUE FO BOLID THE TRUSS IN COMPORANGE WITH TOT. ON FARRICATION, AND DEFAILOR SHIPPING, SHIPPING, HISTALING, SHIPPING, HALFS, AND PRICES OF REAL SHIPPING, HALFS, AND HISTALING, AND HISTALING, HISTALING, POSITION BY CHARLES FOLD AND BY (1) SHALL BE PER MARK AND IN THIS DESIGN, POSITION BY BE DOMAINGS 160A-2. BRAWING INDICATES ACCEPTANCE OF PROPERTIES AND SHIPPING, HISTALING, SHIPPING, **WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, IMADILING, SHIPPING, HISTALLING AND BRACING.
REFER TO BESS! GRUIDING COMPONENT SAFETY HAS ROBANTON, POBLISHED BY THE (TRUSS PLATE (WISTILET, 219
MORTH LEE STREET, SHIFE 312, AAEXANDRA, VA. 2314) AND MICA, (4000 TRUSS, COUNCIL OF AMERICA.
601 ENTERPRISE LANE. MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE EUNCTIONS. BALLSS
OTHERWISE INDICATED TOP CHOOS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTON CHOOD SHALL HAVE
A PROPERLY ATTACHED RIGHD CELLING. IGM TO THE INSTALLATION CONTRACTOR. ITW BGG, INC. SHALL NOT DESIGN: ANY FALLURE TO BULLE TRUSS IN COMFORMANCE WITH TALLENG & BRACTING OF TRUSSES. 3X5≡ Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) Supports 4X5≡ 2 Over 25-8-0 5×5≡ Plates sized for a minimum of 3.00 sq.in./piece. 12-10-0 2X4 ** IMPORTANT ** FURNISH A Wind reactions based on MWFRS pressures. R-1057 U-180 W-6" ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567 Sp PLT TYP. Wave ALPINE Top chord 2x4 Bot chord 2x4 Webs 2x4

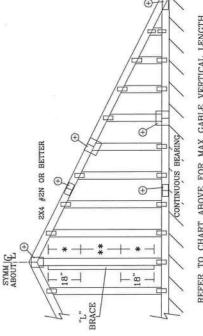
/SUWANNEE RIVER LOG HOMES

(4441-/ISAAC/SOLORZANO

64648

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

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		BRACING GROUP SPECIES AND GRADES	CDOTTD A:	OOL A.		#3 ST		SOUTH	E 183	STANDARD	and and			GROUP B:	HEM-FIR	#1 & BIR	11.4	DOUGLAS FIR-LARCH	11/	#5			CABLE TRIES DETAIL NOTES.	DEINE NOIES.	CRITERIA IS L/240.	THE ST OF THE STATE	CONTINUIS REARING (5 PSF TC DEAD LOAD)	TOAN EBOW 4' o"	OUTLOOKERS WITH 2' O' OVERHANG, OR 12"
		BRACING GROUP	15	do man monado	21 / 22 STANDARD			DOUGLAS FIR-LARCH	#3	STANDARD	announce of	0	-	5			_	SOUTHERN PINE	#1	8			CADI TI TIDIO	GADLE INCO	LIVE LOAD DEFLECTION CRITERIA IS L/240.	MACO TO TOTAL SOUNDED	CONTINIOUS BEARING (5 PSF TC	CABIE END STIDEOPTS	GABLE END SUFFORIS LOAD FROM 4 OUTLOOKERS WITH 2' O' OVERHANG
BRACE	GROUP B	14' 0"	14' 0"	14, 0"	14. 0"	14' 0"	14' 0"	14, 0.	14, 0"	14, 0"	14, 0"	14. 0	14' 0"	14, 0"	14, 0"	14, 0"	14' 0"	14, 0"	14' 0"	14' 0"	14'0"	14' 0"	14' 0"	14' 0"	14, 0"	14, 0"	14' 0"	14'0"	
(2) 2X6 "L"	GROUP A	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14, 0"	14, 0"	14, 0"	14' 0"	14' 0"	14' 0"	14' 0"	14. 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14, 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	(8)
"L" BRACE .	GROUP B GROUP A	12' 9"	12' 4"	12' 3"	10, 2"	13' 5"	10.73	12' 8"	12' 6"	10, 10"	14' 0"	14' 0"	14, 0"	12, 11.	14. 0"	14, 0"	14' 0"	14' 0"	13, 3"	14'0"	14' 0"	14' 0"	14, 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	
(1) 2X6	GROUP A	12, 5"	12' 4"	12' 3"	10, 2"	12, 5"	12, 5"	12' 5"	12, 5"	10, 10,,	14' 0"	14. 0"	14' 0"	12, 11,	14' 0"	14' 0"	14' 0"	14' 0"	13, 3"	14'0"	14, 0"	14' 0"	14' 0"	14' 0"	14' 0"	14, 0"	14, 0"	14' 0"	
BRACE **	GROUP B	9, 8,,	9, 2,	9, 2,,	9, 1	10, 2"	10' 2"	9, 11.	9' 11"	9, 4"	11, 1,	10, 10"	10, 10"	10, 10"	11' 8"	11' 8"	11' 4"	11' 4"	11. 1"	12' 3"	11, 11,	11, 11"	11, 11,	12' 10"	12' 10"	12' 6"	12' 6"	12' 3"	
(2) 2X4 "L"	GROUP A	9, 2,		9, 2,,	9, 1,,	9, 2,	9, 2,	9, 2,	9, 2,	9, 4"	10, 10	10, 10"	10, 10"	10, 10.	10, 10"	10, 10"	10, 10"	10, 10"	10, 10"	11, 11,	11, 11,	11, 11,,	11, 11,	11, 11,	11, 11,	11, 11,	11, 11,	11, 11,	SYMM IC
2X4 "L" BRACE * (2) 2X4	GROUP B	8' 1"	7' 11"	7' 11"	6, 8,,	8, 6,,	8' 6"	8' 1"		6' 11"	9, 4"	9, 1,,	9, 1,		.6 .6	.6 ,6		.9 ,6	.9 .8	10, 3"	10, 0"	10, 0"	9, 7,,	10, 9"	10, 8"	10, 6"	10, 6"	9' 10"	SYM
(1) 2X4 "I	GROUP A	7' 11"	7' 11"	7' 11"	.6 9	7' 11"	7' 11"	7, 11"	7, 11."	6' 11"	9, 1,	9, 1,,	9, 1,,	8' 4"	9, 1	9, 1	9, 1,	9, 1,,	8, 6"		10, 0.	10, 0"	-		10. 0.		10, 0,,	9, 10"	
" BRACE .	GROUP B	6, 10,	.0 .9	200	5' 2"			6, 2"		5, 3"	7' 10"	13.	7' 4"		8, 3,				6, 5,,	100	8, 2,	1	7' 3"	9, 1,,	9, 1,		8, 2,,	7, 5,,	
(1) 1X4 "L" BRACE	GROUP A	1	.0 ,9	15	5' 2"	200	6'8"	6' 2"	200	5, 3,,	200		7' 4"	6' 4"	7' 8"	1	27	.,9 ,4	6' 5"		8, 2,	8, 2,,		8, 5"	1	100	8, 5"	7' 5"	
ON.	BRACES	3, 10,	3, 8,,	3, 8,,	3, 8,,	4, 3"	4. 2"		4.0"	3, 10"	4' 5"	4' 4"	4' 4"	4, 4.	4, 10"	4'9"	4' 6"	4' 6"	0.0	4' 11"	4' 9"	4, 9"	130.1	124		2, 0,,		4' 11"	
BRACE	GRADE	#1 / #2	#3	STUD	STANDARD	#1	2#	#3	STUD	STANDARD	#1 / #2	#3	STUD	STANDARD	#1	#5	#3	STUD	STANDARD	#1 / #2	#3	STUD	STANDARD	#1	#5	#3	STUD	STANDARD	
2X4	SPACING SPECIES	ניכל	STF	ПП	HL	(2) F	1	ני	ひてエ		III	-	S		DH.I	1	ני	アプト		TIL	(2		D H.		
Ta v C	SPACING	250).	0	Š.	_	₽	-10					C		_		Į					0)("	S	Ţ		
	H	L)	N	E	П		Π	V	2][L	В	H	Λ		E	Ι'.	3]	I	7:	C	18	X	V	JΛ	I		



BRACE: SINGLE OR DOUBLE CUT (AS SHOWN) AT 2X4 STUD, #3 OR BETTER DIAGONAL

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL

GABLE TRUSS

UPPER END.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

* FOR (1) "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C.

* IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

* FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C.

IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

PLYWOOD OVERHANG.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB

MEMBER LENGTH.

NO SPLICE

VERTICAL LENGTH

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH. REFER TO CHART ABOVE FOR MAX GABLE

MARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACKING. REFER TO BEST (BUILDING CHOMPINAT) TREET YIN DEBLISSED BY THE (TRUSS PLATI BRACKING. REFER TO BEST (BUILDING CHOMPINAT) TREET YIN THE STALL AND WITCH (VOIDD TRUSS COUNCIL INSTITUTE, 218 NINTH LEE STR. SUITE 312, ALEXANDRIA, VA. 25314) AND WITCH AVOIDD TRUSS COUNCIL PRESENCE LW. MADISSEN, VI 53739 FOR SAFETY PRACTICES, PRIDR TO PERFERBANING TAS FUNCTIONS. UNLESS DIMERVISE INDICATED, TO CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS, AND BUTTOM CHORD SHALL LHAVE PROPERLY ATTACHED STRUCTURAL.

ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA

ALPINE

PSF

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E. TOT.

MAX.

No. 522

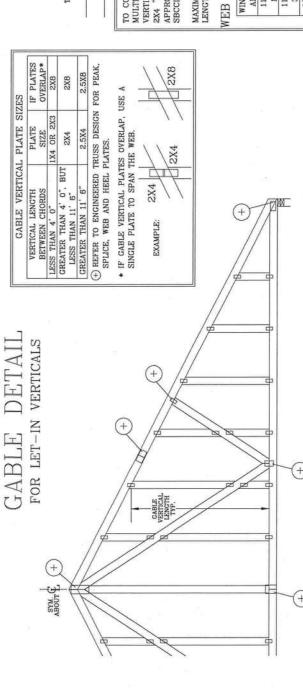
24.0"

SPACING

MAX.

JOHO? STATE OF

LESS THAN 4' O"	4.0"		IX4 OR 2X3	EXC	
GREATER 1	0 "0	BUT	2X4		
GREATER 1	GREATER THAN 11' 6"		2.5X4	П	
REFER TO PEAK, SPI	REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.	RUSS EEL 1	DESIGN	FOR	
	REF	ASC	ASCE7-02-GAB11015	GAB11(015
	DATE	12	2/23/07		
	DRWG	A1	A11015EE0207	3020	2
	-ENG				



2X6 "T" REINFORCING MEMBER 2X4 "T" REINFORCING MEMBER TOENAIL

TOENAIL

TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE SBCCI WIND LOAD. MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

Ę	F
5	LKACE
E	
TAT /	/ M
TATO DE LA COLLA	アンスエアンス
CHULLY	

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

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

GUN DRIVEN NAILS:

RIGID SHEATHING

4 TOENAILS

"T" REINFORCING-

10d COMMON (0.148"X 3.".MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.

EXAMPLE:

A08515EC0207

A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207, A1030EN0207, A1030EN0207, A09030EN0207, A09030EN0207

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SECCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

8d COMMON (0.131"X 2.5", MIN) TOENAILS AT 4" O.C. PLUS (4) TOENAILS IN TOP AND BOTTOM CHORD.

A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207,

ASCE 7-98 GABLE DETAIL DRAWINGS

TOENAILS SPACED AT 4" O.C.

GABLE

A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207, A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SECCI

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE

VERTICAL LENGTH.

CEILING

4 TOENAILS

A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207

ASCE WIND SPEED = 100 MPH MEAN ROOF HEIGHT = 30 FT

GABLE VERTICAL = 24" O.C. SP #3

"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

 $1.10 \times 6' 7" = 7' 3"$

REPLACES DRAWINGS GAB98117 876,719 & HC26294035 HIS DRAYING

> ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA ALPINE

VARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING BRECHOK, REFRS TO BESSI GUILDING COMPOUNTS SAFETY INFORMATION, PUBLISHED BY FIFT FRIENDS FINSTILITE, 218 NORTH LES TRY, SUITE 312, ALEXANDRA, VA. 22314) AND VICA (VOIDD TRISS COLD AMERICA, 6300 REVIEWERSE LN, MAIISIN, VI 33719) FUB SAFETY PRACTICES PRIOR TO PERFORMING PLUNCTIONS. UNLESS COLHENIZES COLD TO CHORD SHALL HAVE PROPERLY ATTACHED STRUPPLY AND VICA STRUPPLY ATTACHED STRUPPLY AND VICA STRUPPLY ATTACHED STRUPPLY.

MUT BE RESPONSIBLE FOR ANY DEVIATION FROM HIS DESIGNAL ATION CONTRACTOR. IT V BCG. 16., S NOT BE RESPONSIBLE FOR ANY DEVIATION FROM HIS DESIGNA, ANY FALLER TO BUILD THE TRANSCOORDER OF ANY DEVIATION FROM HIS DESIGNAL AND TRANSCOORDER OF ANY FARM OF TRANSCOORDER OF TRANSCOORDER OF ANY FARM OF TRANSCOORDER OF ANY FARM OF TRANSCOORDER OF THE BUILDING DESIGNARY.

MAX SPACING 126 '07 ★ Ne. 52212

SONAL ENG

KORIDA

GBLLETIN0207 LET-IN VERT 2/23/07 DLJ/KAR -ENG DRWG DATE REF MAX TOT. LD. 60 PSF 24.0, ANY DUR. FAC.

FL3576 MILLENNIUM METALS INC.

Roofing Non-structural Metal Roofing (561) 775-4902 Report - Hardcopy Received

Page: Page 1/1

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Ct suiting Stractural Engineer
JA (SONVILLE, LORIDA

DOL J. KELLEY, JR., P.E. .. Con siting Struc zurel Engineer JACK ONVILLE FU PRIDA

DATE 2/2003

JOSTITE MILITANIUM

JOB NO.

WIND SURVEY DATE 2/200	JOB TITLE MILLENNIUM JOB NO
IN DATE	SUBJECT RIB PANE/S SH.3 OF 8
oscale	
8 BANELS 1	MILLENNIUM
LAT ATTACHMENTS -	METALS, INC.
	TOTAL HANDS OFFICER DEPRESENT - MOREOLOGIA (A. SAME) SOLUBLO AND S
SORE IVE INTO & TIMBER	
7= 150 1/WX 1 = 76 ×1.6=121	Rib Panel
180 76	
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TE + 174 9 OC. WITH ROWS a	14 0.6.140
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PULL OUT = 1527 X 1625 =	70 N.4 - 12 - Yaken
E 3 - 158 465 4 7 3.34 1	25 F 9.46 > 183 MAX
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PVLL OUT = 1512 /10 x 15 =	228 ×16= 364
MAX PULO = .75 X & X 454 6	= 58.1 2 349 CAPACITY
SORENS WID METHL	
- 18 GANGE - ULT-487/3 = 18	2 x/3 = 270
- 26 GWGE - ULT = 19\$/3 = 42	0 ×1.3 = 4/1
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DOLE J. Consult JACKSON CALCULAT CHECKED SKETCH N	ILLE, FLORI XA	DATE 2/2003 DATE	JOSTITLE <u>MILLENATUM</u> SUBJECT RIB PANELS	усано. sн 4 о г 8
RL ZOM ZOM ZOME	PANES CONT: 110 N PH = 1/2 2 : 48,1 = 1/2 3 - 56,0 = 1/4 WOOD SCREWS MROR PULLOUT CA	94cit×=12/		
74"		5" < 121 noil = 132 " 55" < 152	PLOPUDA SULDENG CODE- 1606.2-5 Compenents and cladding loading actions on components and determined from Public 1606.23 for	g. Pressure for wind d cladding shall be shelosed portions of
# 12 # 14	SCREWS INTO METAL THRU 86A, = CARA THRU 26 GA = CARA	DECK DECK OTT = 210 #	the building and Table 1606.2C for the effective area for the element and pressures in Table 1606.2C include a pressure shall be applied in accorda diagrams in Figure 1606.2c.	er consideration. The
	MAX PUR DOT.	75 × 133 × -5 5 16	= 58 < 86.1	
				- LA MARIA

\$ 172/50 5 Apr. 25 2005 02:19PM P3 FAX NO. : 3867552735 FROM : ASON ELIX JON DOL J. KELLEY JR., P.E. Com litting Struc Lirel Engineer JACK INVILLE, FLI PIDA SORTHE MILLENHIUM DATE 2/2003 DJK CALCA ATED BY SUBJECT RIB PANELS SH 5 OF 8 CHEC DBY SCALE SKET NE PULL ANT CARACIT = 121 XIS"= 10" X 254 = 654 X 121 THE F YWOOD : PULL OUT CAPACITY = 150 X16 = 1.0 X654 1 = 65.4 BATTE 15 0 24 Q.C. PULL OUT CAPACITY = 364 MAX PHET - 15 X 2 X 654 - 78. SCRENS INTO MEXAL 18 GAVEE = 210 - 22. GAVGE = 61 3- 13E 9 X1+0 = 175 X25

	ng Structu	R., P.E. al Engineer DA		JOBTIN	E_MIL	LENNIUM	
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POLEJ. ELLEY, JF ., P.E. Consult g Structure i Engineer

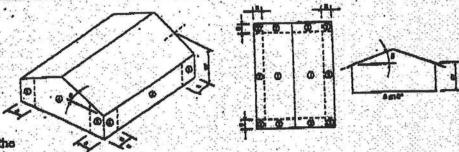
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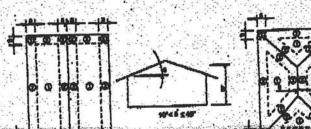
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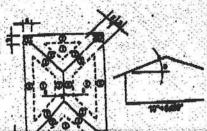
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2 3 8 5 5	90.0 100.0 100.0 20.0 60.0	11.1 -41 10.8 -41 10.8 -41 11.5 -41 11.4 -4	12.6 -16.6 10 12.1 -14.6 12.1 -17.1 16 18.0 -16.1	16.6 -18.0 14.5 -18.0 14.5 -51.0 14.0 -60.1	18.5 -82.8 18.1 -81.6 19.0 -61.6 19.4 -61.6	91.5 -40.5 91.5 -40.5 92.5 -40.5 93.5 -40.5	20 44 27 44 27 44	50.2 - 67.1 20.5 - 64.5 10.5 - 41.5 31,4 - 40.4 40.0 - 47.1	\$4.6 -40.6 \$7.6 -47.1 \$60.0 -48.1 \$10.0 -48.1



edgo.att) (a).

1606.2. Edge strips and end zones. The width of the edge str us (a), as shown in Figure 1606.2 (c), shall be 10% of no least hort contal dimension or 40% of the eave height, hichever is I as but not less than either 4% of the least he zontal dimer sion or 3 feet (914 mm). End zones as show in Figure 16 36.25 shall be twice the width of the





COOLE'S: SELEY, SF. P.S.

CONSISTANT SECURITY SERVICES

ACCIONATE ST. DJK DATE 2/2003

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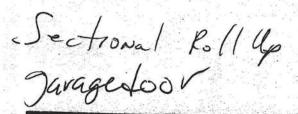
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Product Manufacturer

01/01/2099

Approva

Site Link: www.gadco.com



Result List for Organizations

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Approval (ALL)
Status: Organization Product Manufacturer Type: Select the organization type, status, or name to find an organization

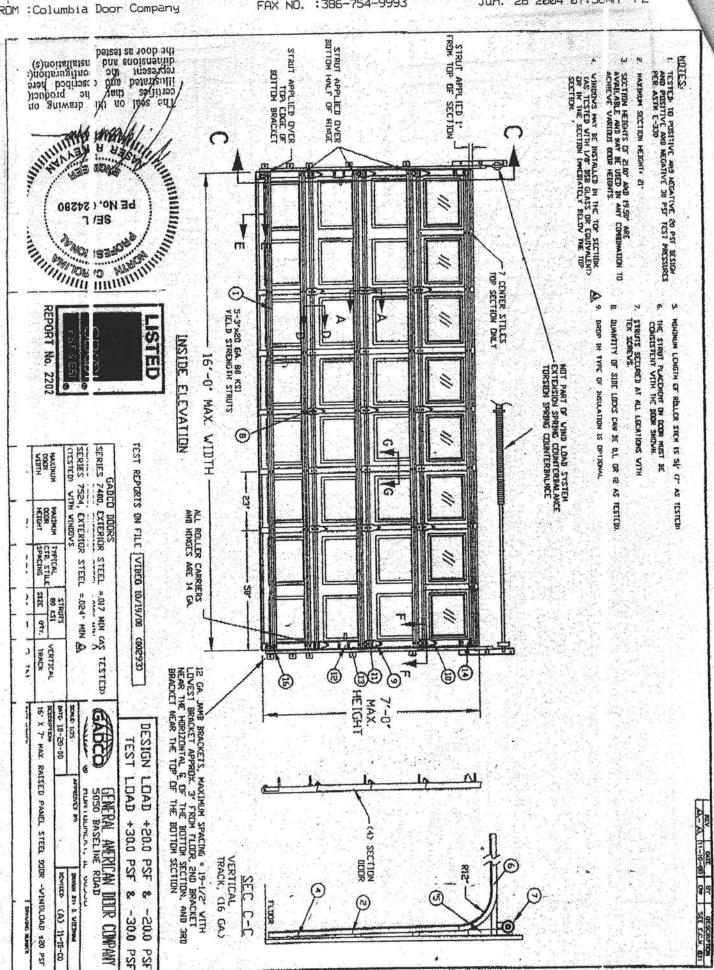
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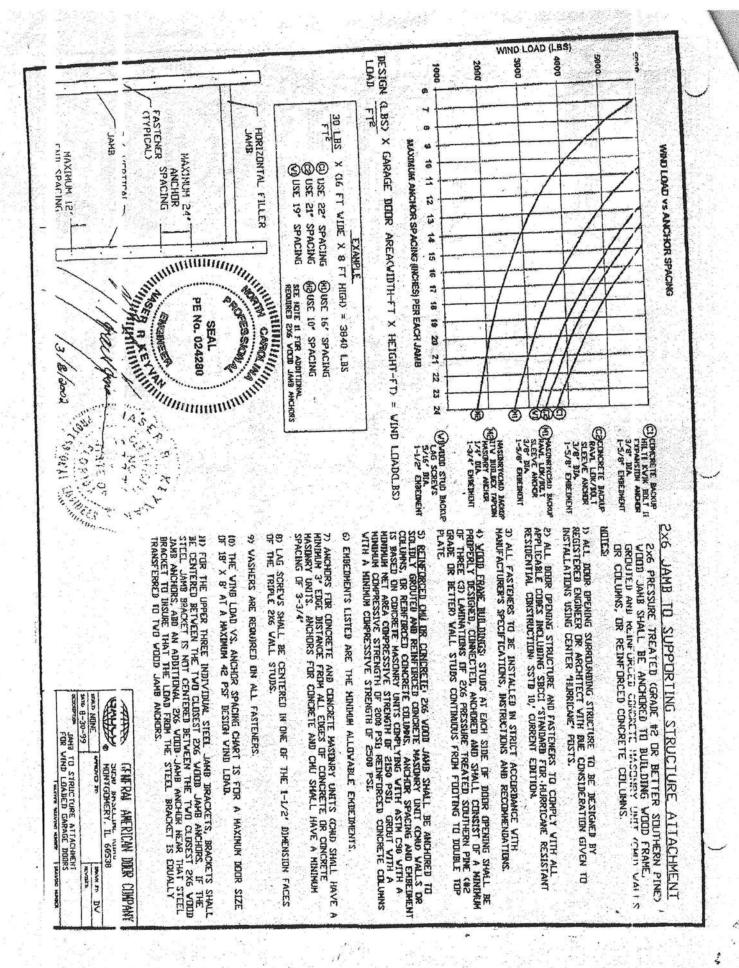
Organization General American Door - Product Manufacturer
Name:



http://www.floridabuilding.org/Common/c.org 1906 SDFFF 222

השוצט דבטתנטה.







ommunity Affairs



Product Approval USER: Public User

Product Approval Menu > Product or Application Search > Application List > Application Detail

SECRETARY ▼ EMBRORNOY COMMUNITY PLANNING DEVELOPMENT COMMUNITY MANAGEMENT

Application Status Application Type Archived Comments Code Version

Address/Phone/Email **Product Manufacturer**

> 2004 Approved Revision FL1097-R1

abarstad@andersencorp.com 100 Fourth Avenue North Andersen Corporation Bayport, MN 55003 (651) 264-5308

abarstad@andersencorp.com Alan Barstad

Authorized Signature

Address/Phone/Email Technical Representative

Address/Phone/Email Quality Assurance Representative

Subcat	Catego
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Swinging Exterior	Exterior Do
Exterior)oors
or Door A	2.4
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Compliance Method Certification Mark or Listing

Certification Agency Window and Door Manufacturers Association

Referenced Standard and Year (of Standard) **ASTM E 1996** 101/I.S.2/NAFS Standard 101/I.S.2 **Year** 1997 2002 2002

Equivalence of Product Standards Certified By

Date Validated Date Submitted Product Approval Method Date Pending FBC Approval 12/06/2005 11/14/2005 11/14/2005 11/02/2005 Method 1 Option A

Summary of Products

Date Approved

FL # Model, Number or Name Description	
el, Number or Name	
el, Number or Name	
or Name D	
Description	

Approved for use in HVHZ: Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-618.01 Rating is HGD-R55 72" x 83" Unit tested was a FWH60611SA with HP Glass Hallmark Certificate: 129-H-616.00 Rating is HGD-R40 72" x 83" Unit tested was a FWH6080AP with HP Glass Hallmark	1097.2 400 Series Frenchwood Hinged Patio Door - Double Non Impact	Approved for use in HVHZ: Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-665.02 Rating is HGD-R45 72" x 83" Unit tested was a FWH60611AP with HPIR Glass Hallmark Certificate: 129-H-665.04 Rating is Missle Level D, Cycle Pressure +50/-65 Unit tested was a FWH60611AP with HPIR Glass Hallmark Certificate: 129-H-673.01 Rating is HGD-R40 1810mm x 2426mm Unit tested was a FWH6080SA with HPIR Glass Hallmark Certificate: 129-H-673.00 Rating is HGD-R40 72" x 96" Unit tested was a FWH6080AP with HPIR Glass Hallmark Certificate: 129-H-673.02 Rating is Missle Level D, Cycle Pressure +50/-65 Unit tested was a FWH 6080AP with HPIR Glass FWH 6080AP with HPIR Glass	1097.1 400 Series Frenchwood Hinged Patio Door - Double Impact Resistant
Certification Agency Certificate Installation Instructions Verified By: ating ate: nit nark	Wood Inswing Patio Door	Installation Instructions PTID 1097 R1 I FWH Impact and Non-Impact.pdf PTID 1097 R1 I FWO Impact and Non-Impact.pdf PTID 1097 R1 I FWSL and FWT Impact and Non-Impact.pdf Verified By: 72" x Glass Missle vas a	ble - Wood Inswing Patio Door

Approved for use in HVHZ: Approved for use outside Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: is HGD-R60 37" x 96" Unit tes with HP Glass Hallmark Certifi Rating is HGD-R60 37" x 96" I FWH3180S with HP Glass Hall	1097.4	Approved for use in HVHZ Approved for use in HVHZ Approved for use outside Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: is HGD-R50 37" x 96" Unit te: with HPIR Glass Hallmark Cer Rating is Missle Level D, Cycl Unit tested was a FWH3180A Hallmark Certificate: 129-H-6 HGD-R50 37" x 96" Unit teste with HPIR Glass Hallmark Cer Rating is Missle Level D, Cycl Unit tested was a FWH3180S	1097.3	Certificate: 129-h 96" Unit tested w
Approved for use in HVHZ: Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-620.00 Rating is HGD-R60 37" x 96" Unit tested was a FWH3180A with HP Glass Hallmark Certificate: 129-H-619.00 Rating is HGD-R60 37" x 96" Unit tested was a FWH3180A with HP Glass Hallmark Certificate: 129-H-619.00 Rating is HGD-R60 37" x 96" Unit tested was a FWH3180S with HP Glass Hallmark Certificate:	400 Series Frenchwood Hinged Patio Door - Single - Non Impact	Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-671.00 Rating is HGD-R50 37" x 96" Unit tested was a FWH3180A with HPIR Glass Hallmark Certificate: 129-H-671.02 Rating is Missle Level D, Cycle Pressure +50/-65 Unit tested was a FWH3180A with HPIR Glass Hallmark Certificate: 129-H-672.00 Rating is HGD-R50 37" x 96" Unit tested was a FWH3180S with HPIR Glass Hallmark Certificate: 129-H-672.02 Rating is Missle Level D, Cycle Pressure +50/-65 Unit tested was a FWH3180S with HPIR Glass	400 Series Frenchwood Hinged Patio Door - Single - Impact Resistant	Certificate: 129-H-618.00 Rating is HGD-R40 72" x 96" Unit tested was a FWH6080SA with HP Glass
Certification Agency Certificate Installation Instructions Verified By:	Wood Inswing Patio Door	Certification Agency Certificate Installation Instructions Verified By:	Wood Inswing Patio Door	

400 Series Frenchwood	Approved for use in HVHZ: Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H is HGD-C50 72" x 96" Unit tested was FWO6080AP with HPIR Glass Hallma 129-H-643.00 Rating is Missle Level Pressure +50/-65 Unit tested was a	40 Ou - Ii	Approved for use in HVHZ: Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H is HGD-R55 108" x 83" Unit tested v FWH90611SAS with HP Glass Hallma 129-H-617.01 Rating is HGD-R40 10 tested was a FWH9080SAS with HP	400 Hin Noi	tested was a FWH3380A with HP Glass
400 Series Frenchwood	Approved for use in HVHZ: Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-647.00 Rating is HGD-C50 72" x 96" Unit tested was a FWO6080AP with HPIR Glass Hallmark Certificate: 129-H-643.00 Rating is Missle Level D, Cycle Pressure +50/-65 Unit tested was a FWO6080AP	400 Series Frenchwood Outswing Patio Door - Double - Impact Resistant	Approved for use in HVHZ: Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-617.00 Rating is HGD-R55 108" x 83" Unit tested was a FWH90611SAS with HP Glass Hallmark Certificate: 129-H-617.01 Rating is HGD-R40 108" x 96" Unit tested was a FWH9080SAS with HP Glass	400 Series Frenchwood Hinged Patio Door - Triple - Non Impact	tested was a FWH3380A with HP Glass
Wood Outswing Patio Door	Certification Agency Certificate Installation Instructions Verified By:	Wood Outswing Patio Door	Certification Agency Certificate Installation Instructions Verified By:	Wood Inswing Patio Door	

1097.11 40	Approved for use in HVHZ: Approved for use outside HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-679.00 Fis SLT-LC65 476mm x 2426mm Unit tested w FWSL1780 with HPIR Glass Hallmark Certificate: 129-H-679.01 Rating is Missle Level D, Cycle Pressure +50/-65 Unit tested was a FWSL178 HPIR Glass	1097.10 40 Si	Approved for use in HVHZ: Approved for use outside HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-677.00 I is HGD-R65 37" x 83" Unit tested was a FWO31611A with HP Glass Hallmark Certificate: 129-H-675.00 Rating is HGD-LC60 37" x 96" tested was a FWO3180A with HP Glass Hallmark Certificate: 129-H-646.01 Rating is HGD-C50 96" Unit tested was a FWO3180S with HP Glash Hallmark Certificate: 129-H-697.00 Rating is HGD-R40 39" x 96" Unit tested was a FWO33 with HP Glash Hallmark Certificate: 129-H-697.00 Rating is HGD-R40 39" x 96" Unit tested was a FWO33 with HP Glash	Ž O
400 Series Frenchwood Transom - Impact Resistant	Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-679.00 Rating is SLT-LC65 476mm x 2426mm Unit tested was a FWSL1780 with HPIR Glass Hallmark Certificate: 129-H-679.01 Rating is Missle Level D, Cycle Pressure +50/-65 Unit tested was a FWSL1780 with HPIR Glass	400 Series Frenchwood Sidelite - Impact Resistant	Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-677.00 Rating is HGD-R65 37" x 83" Unit tested was a FWO31611A with HP Glass Hallmark Certificate: 129-H-675.00 Rating is HGD-LC60 37" x 96" Unit tested was a FWO3180A with HP Glass Hallmark Certificate: 129-H-646.01 Rating is HGD-C50 37" x 96" Unit tested was a FWO3180S with HP Glass Hallmark Certificate: 129-H-697.00 Rating is HGD-R40 39" x 96" Unit tested was a FWO3380A with HP Glass	Outswing Patio Door - Single - Non Impact
Wood Transom Patio Door	Certification Agency Certificate Installation Instructions Verified By:	Wood Sidelite Patio Door	Installation Instructions Verified By:	

Approved for use in HVHZ: Limits of Use (See Other) Approved for use outside HVHZ:

Tanance Darietante

Design Pressure: +/-

a FWT60110 with HPIR Glass FWT60110 with HPIR Glass Hallmark Certificate: is TR-LC65 1310mm x 552mm Unit tested was a Pressure +50/-65, Size is 52" x 22" Unit tested was 129-H-676.01 Rating is Missle Level D, Cycle Other: Hallmark Certificate: 129-H-676.00 Rating

> **Installation Instructions Certification Agency Certificate** Verified By:

Back

Next

DCA Administration

Department of Community Affairs Florida Building Code Online Codes and Standards

Tallahassee, Florida 32399-2100 2555 Shumard Oak Boulevard

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436 © 2000-2005 The State of Florida. All rights reserved. Copyright and Disclaimer **Product Approval Accepts:**













Altamira Farms LLC

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001

ONE (1) AND TWO (2) FAMILY DWELLINGS ALL REQUIREMENTS ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

Applicant	Plans Exam	MENTS: Two (2) complete sets of plans containing the following:
D'		All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
B	Ο.	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
б		Site Plan including: a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
		Wind-load Engineering Summary, calculations and any details required a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional
6	0	Elevations including:
6	0	a) All sides
D		b) Roof pitch
e .	0	c) Overhang dimensions and detail with attic ventilation
d/		d) Location, size and height above roof of chimneys
ri/	0	e) Location and size of skylights
य व व व व व व व	0	f) Building height
B		e) Number of stories

		그렇는 이 사람들이 되었다면서 살아 이 동안 보고 있었다면 모양을 되었다.
		Floor Plan including:
N)	0	a) Rooms labeled and dimensioned
ri/		b) Shear walls
ਲ ਹ ਹ	Ō	c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed
1		(egress windows in bedrooms to be shown) d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with
6	0	hearth
6		e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
D/	0	f) Must show and identify accessibility requirements (accesssable bathroom) Foundation Plan including:
ø	0	a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
11	0	b) All posts and/or column footing including size and reinforcing
PÍ .	0	c) Any special support required by soil analysis such as piling
	0	d) Location of any vertical steel Roof System:
e e	0	a) Truss package including:
		Truss layout and truss details signed and sealed by Fl. Pro. Eng. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
п	0	b) Conventional Framing Layout including:
		1. Rafter size, species and spacing
		2. Attachment to wall and uplift
		 Ridge beam sized and valley framing and support details Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
		Wall Sections including:
0	0	a) Masonry wall
		1. All materials making up wall
		2. Block size and mortar type with size and spacing of reinforcement
		 Lintel, tie-beam sizes and reinforcement Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
		5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
		6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
		7. Fire resistant construction (if required)
		8 Firenroofing requirements
		9. Shoe type of termite treatment (termiticide or alternative method)
	하는 사람들이 없다.	10. Slab on grade
		a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
		b. Must show control joints, synthetic fiber reinforcement of Welded fire fabric reinforcement and supports
	나는 얼룩나 없었	11. Indicate where pressure treated wood will be placed
		12. Provide insulation R value for the following:
		a. Attic space
		b. Exterior wall cavity c. Crawl space (if applicable)
		c. Crawl space (II application)

		불하고 있다면서 하다. 근처하다 사람들이다는 모양을 모르겠다.
/		b) Wood frame wall
U		1. All materials making up wall
		2. Size and species of studs
		3. Sheathing size, type and nailing schedule
		4. Headers sized
		5. Gable end showing balloon framing detail or gable truss and wall
		hinge bracing detail
		6. All required fasteners for continuous tie from roof to foundation
		(truss anchors, straps, anchor bolts and washers)
		7 Roof assembly shown here or on roof system detail (FBC104.2.1
	강화 및 19. 그	Roofing system, materials, manufacturer, fastening requirements
		and product evaluation with wind resistance rating)
		8. Fire resistant construction (if applicable)
		9. Fireproofing requirements
		10. Show type of termite treatment (termiticide or alternative method)
		11. Slab on grade
		a. Vapor retarder (6Mil. Polyethylene with joints lapped 6
		inches and sealed
		b. Must show control joints, synthetic fiber reinforcement or
vine Se		welded wire fabric reinforcement and supports
		12. Indicate where pressure treated wood will be placed
		13. Provide insulation R value for the following:
		a. Attic space b. Exterior wall cavity
	일시하다 그 아니다	c. Crawl space (if applicable)
		c) Metal frame wall and roof (designed, signed and sealed by Florida Prof.
		Engineer or Architect)
		Floor Framing System:
_/		a) Floor truss package including layout and details, signed and sealed by Florida
B,	0	Registered Professional Engineer
2000	О	b) Floor joist size and spacing
7	ö	c) Girder size and spacing
4	Ö	d) Attachment of joist to girder
9		e) Wind load requirements where applicable
10		Plumbing Fixture layout
/		Flootries levout including:
6/	0	a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
7	0	b) Ceiling fans
6)	0	c) Smoke detectors
7	0	d) Service panel and sub-panel size and location(s)
6/	ō	e) Meter location with type of service entrance (overhead or underground)
n		f) Appliances and HVAC equipment
- /		HVAC information
B	0	a) Manual J sizing equipment or equivalent computation
D)	0	b) Exhaust fans in bathroom
	D	Energy Calculations (dimensions shall match plans)
D	ם	Gas System Type (LP or Natural) Location and BTU demand of equipment
	교육	Disclosure Statement for Owner Builders
		Notice Of Commencement
		Private Potable Water
		a) Size of pump motor
		b) Size of pressure tank
		c) Cycle stop valve if used

I stall ation

f r Andersen® 400 Series Frenchwood® Hinged Patio Doors or



Hinged Patio Doors with Stormwatch * Protection

STALLER: Please leave this guide with the building owner to file for future reference

ongratulatic as! You have just purchased one of the many fine Andersen® products. Proper assembly, astallation nd mainten; nce are essential if the benefits of your Andersen product are to be fully attained. Therefore, please rea nd follow this instruction guide completely. If your abilities do not match this procedure's requirement: , contact an xperienced ontractor. You may direct any questions about this or other products to your local Anders in dealer, for ind 1 the Yellow Pages under "Windows" or call Andersen WindowCare® service center at 1-888-888-7020 fonday through riday, 7 a.m. to 7 p.m. Central Time and Saturday, 8 a.m. to 4 p.m. Central Time. Thank you for choosing Andersen

nportant Safety. Assembly, and Installation Information

very assemily and installation is different (windloads, structural support, etc.). Andersen strongly recommends onsultation with an Andersen supplier or an experienced contractor, architect, or structural engineer prior to the ssembly an I installation of any Andersen product. For installation methods not covered in this guide, (.e. through amb) please visit the Architect Detail File on the web (www.andersenwindows.com). Andersen has no responsibility in egard to the post-manufactured assembly and installation of Andersen products.

WARNING

Jsing ladders and/or scaffolding and vorking at e evated levels may be hazardous. ollow equipment manufacturer's nstructions or safe operation. Use extreme aution whe I working around window and foor oper in is. Falling from opening may esult in per onal injury or death.

A WARNING

Improper use of hand/power tools could result in personal injury and/or product damage. Follow manufacturer's instructions for safe operation of equipment. Always wear safety glasses.

A WARNING

Weight of window/ loor unit(s) and accessories will vary. Use reasonable number of people w sufficient strength o lift, carry, and install window and door unit(s) and access ries. Alway use appropriate lift ng techniqu

AWARNING

Inless spec fically ordered, Andersen windows and doors are not equipped with safety glass, and if broken, could fragment causing injury. Many laws and building codes require safety glass in locations adjacent to or near doors. Andersen windows are available with safety glass that may reduce the likelihood of injury when broken. Information on safety of as is available from your local Andersen dealer.

· CAUTION

- Andersen® Head Flashing and Installation Flanges DO NOT take the place of standard window and door flashing. U t must be p operly flashed and sealed with silicone for protection against water and air infiltration. Use I on-reflectiv flashings. Highly reflective flashing tapes can raise the surface temperature of the vinyl to the point where vinyl deformatic n and product damage may occur.
- · Do not ap| ly any type of film to glass. Thermal stress conditions resulting in glass damage could occl r.
- · Use of mo /able insulating materials such as window coverings, shutters, and other shading devices m y damage glass and/ or vinyl. In addition, excessive condensation may result causing deterioration of windows ard doors.

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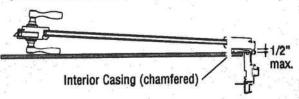
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Instruction Guide 0004234

Revised 03, /04

NOTICE

 For installations where full panel (180° operation is desired, install unit flush to interior surface and apply interior casing no thicker than 1/2". If thicker Interior Casing is used, chamfe 'edge to prevent interference with panel, as sho vn.



 For installations where interior finishin; material is higher than 1-11/16" above the subfloor, raise door by placing a wooden spacer unde sill to gain sufficient clearance for Subfloor door to open. Allowances must be made in 1-11/16" height of rough opening.

 For Double Insect Screen Track, Exterior Extension Jambs, and/or Exterior SIII Extension Kits, apply kits before unit is installed.

A WARNING

essories such as grilles, art glass, and insect ens may d slodge and become airborne if window/ r is impact d by wind borne debris from severe ms or hurr cane strength winds. In the event of a m, remove all accessories from windows/doors and ve to a safe location. DO NOT stand in front of or r windows/ doors.

A WARNING

in or closed ure door w

ecured doc r may swing causing injury. ien open.

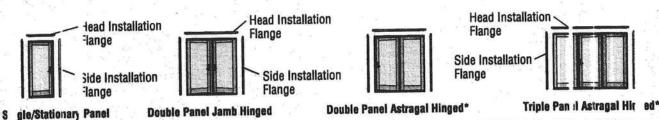


(0) | (0) =

lock Operation

- o lock, lift I andle to engage upper and ower hock tolts. Turn lock turn-piece to orizontal position.
- o unlock, ti rn lock turn-piece to vertical osition. Or an door by bringing handle ownward.





* NOT Available with S ormwatch Protection

1/4	* *								75						
Unit Designat	ion	2168	2768	2968	3168	21611	27611	29611	31611	2180	2780	2989	31		
Rough Openia		2'1"	2'7"	2'9"	3'1"	2'1"	2'7"	2'9"	3'1"	2'1"	2'7"	2'9"	3'		
Rough Openia		6'8"	6'8"	6'8"	6'8"	6'11"	6'11"	6'11"	6'11"	8'0"	8'0"	8'()"	8'(2000	
		s) 100	105	115	125	110	115	125	135	125	135	50		HELS.	
Unit Designs	ion	4168	5068	5468	6068	41611	50611	54611	60611	4180	5080	5480	60:		
Rough Openi	SOME BATTLE LIBERT AND THE	4'1"	5'0"	5'4"	6'0"	4'1"	5'0"	5'4"	6'0"	4'1"	5'0"	5'4"	6'1		
Rough Openi		6'8"	6'8"	6'8"	6'8"	6'11"	6'11"	6'11"	6'11"	8'0"	8,0,	8'()"	8'1	NO.	
		9 150	185	197	215	165	195	205	225	195	230	248			
West Deplans	tion	8058	9068	80611	90611	8080	9080								
Rough Oren	Tage life characteristics	8'0"	9'0"	8'0"	9'0"	8'0"	9'0"								
Rough Or en		6'8"	6'8"	6'11"	6'11"	8'0"	8'0"	14							
		8)280	350	295	360	360	405			*					

: CAUTION

- · Steel faste ners will corrode when used with ACQ Pressure Treated Lumber.
- Obtain an I use the appropriate size stainless steel screws, as called out in this installation guide, to fasten unit any rough opening made from ACQ Pressure Treated Lumber.
- Failure to use stainless steel fastners may result in fastner corrosion causing product damage.

arts include d

-) Instructio 1 Guide
-) Patio Doc r Unit
-) Head Inst illation Flange
-) Side Installation Flanges
-) Screw Pack

Tools & Supplies

- Safety Glasses
- Hammer
- Tape Measure
- 4' Level
- · Flat Blade Screwdriver
- Phillips Screwdriver
- · Small Pry Bar
- Caulk Gun
- Silicone Primer
- Silicone Sealant
- · Wood Block
- Shims
- Cement Screws (concrete/masonry installation)

Prepare Rough Opening

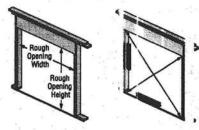


CAUTION

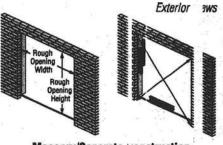
DO NOT nstall unit directly on masonry/concrete surface. Place full length by rrier (i.e. treated wood, tar paper, ice/water membrane) between unit sill and masonry/concrete surface. Failure to use barrier and to seal it to unit sill and masonry/concrete surface may result in product and/or property damage. Entire barrier must be sealed to masonry/concrete surface to help prevent water infiltration. Barrier thickness must not exceed 1/4".

Prepare rc ugh opening based on unit size according to table on Page 2. Check sill plate for level. Sill must be level, shim if necessary. Check rou in opening for plumb and level. If rough opening is not plumb or level, correct as necessary.

Check opening for square by measuring diagonally, upper left to lower right and a pper right to lower left corner. If measurements are within 1/8", opening is square. If rough opening is **not** square, correct if needed.



Standard Construction



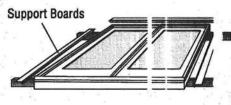
Masonry/Concrete Construction

: . Prepare Unit



Weight of Patio Doors will vary. Use a reasonable number of people with sufficient strength to lift, carry, and install door unit(s) and accessories. Always use appropriate lifting techniques.

Remove u ift from carton. Place unit exterior side up on support boards (to protect hinges) over a clean flat work surface.



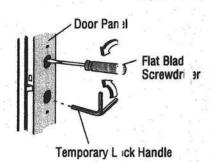
Exterior Sic Up

A WARNING

Door par els must be in locked position before beginning. Failure to do so may result in panels inadvertently opening causing personal injury, property, and/or product damage.

Insert Tem orary Lock Handle into lower lock hole on door panel and turn upwar is to lock door. Insert flat blade screwdriver into upper lock hole and turn to the right to lock dead bolt. Door panels **must** be in locked pos tion before beginning.

Remove packing blocks. Do not remove panel Spacer Clips until Step 10.



3. Apply installation Flanges

! CAUTION

Head Insta lation Flange must overlap Side Installation Flanges to the exterior to help prevent water infiltration.

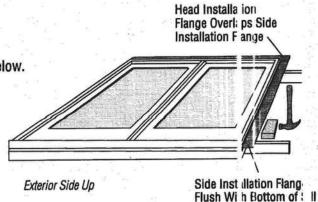
•)etermine if Installation Flange is used based on charts below.

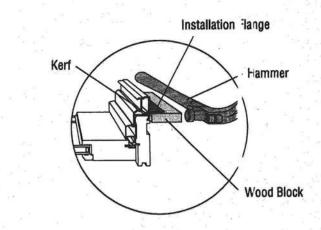
 Position Sia : Installation Flange in kerf on frame with hort leg fac ng interior and end flush with bottom of ill. Place wood block against short leg of Side installation Plange and tap until fully seated.

· Repeat for opposite Side Installation Flange.

 Repeat for I 'ead Installation Flange making sure it everlaps Sic e Installation Flanges to the exterior.

WALL THICKNESS	INSTALLATION FLANGE	SILL EXTENDER
4 1/2"	Yes	No
5 1/4"	Yes .	Optional
6 9/16	No (Backer Rod and Silicone)	Required
7 9/16	No (Backer Rod and Silicone)	Required
DOUBLE INSECT SCREEN TRACK) T	INSTALLATION FLANGE	SILL EXTENDER
4 1/2"	Yes	No
5 1/4"	Yes	Optional
6 9/16"	No (Backer Rod and Silicone)	Required
7 9/16"	No (Backer Rod and Silicone)	Required
EXTERIOR EXTENSION JAW S	INSTALLATION FLANGE	SILL EXTENDER
4 1/2"	Yes	No
5 1/4"	Yes	Optional
6 9/16"	Yes	Required
7 9/16"	Yes	Required



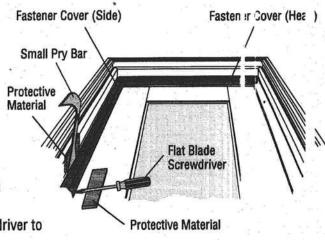


4 Remove | astener Covers

. CAUTION

Protect fr: me and door panel from damage when removing Fastener Covers by inserting protective material b stween door and prying tools.

- nsert a smill pry bar between frame and side Fastener Cover at bo tom of unit using protective material between frame and tool.
- nsert a flat plade screwdriver under Fastener Cover using protective in aterial between panel and tool.
- Jush small bry bar outwards and lift up slightly on screwdriver to emove Fas ener Cover.
- · Repeat for a posite side Fastener Cover and head Fastener Cover.



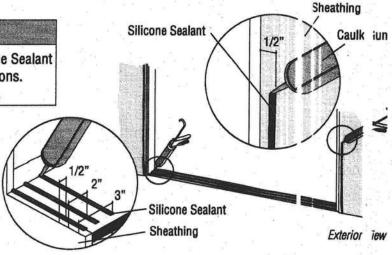
Exterior Side 2

. Seal Rough Opening

. CAUTION

Clean ar d prepare surfaces receiving Silicone Sealant followin | product's manufacturer's instructions. Failure t) do so may cause water infiltration.

- Apply three, 3/8" beads of silicone sealant to bottom of rough opening full length, as shown.
- Apply 1/4' bead of silicone sealant around full perimeter of rough opening 1/2" from edge.



. Install | Init

AWARNING

Weight of Patio Doors will vary. Use a reasonable number of people with sufficient strength to lift, carry, and install door unit(s) and accessories.

Always I se appropriate lifting techniques.

AWARNING

Support unit in rough opening at all times until secured. Failure to support unit could result in unit falling out causing personal injury, property, and/or product lamage.

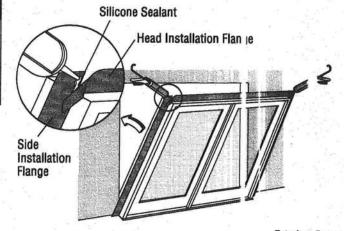
Apply 1/4" bead of silicone sealant between head and side Instal ation flanges at corners where flanges intersect a head jamb.

Lift and center unit in rough opening, setting sill of unit onto silicone sealant, from the exterior.

Press unit firmly into silicone sealant around perimeter of rough opening. Installation flanges must be flush with exterior of opening.

CAUTION

Installation Flanges are for sealing only. **DO NOT** use for fastening unit. Installation Flanges must be flush with exterior of opening

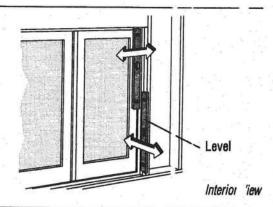


Exterior 'iew

7 Plumb and Level Unit

Adjust doc r in opening from the interior, entire unit must be pl imb, level, and square.

Check unit for square by measuring diagonally, upper left 10 lower right and upper right to lower left corners. Unit must be square, correct if necessary.

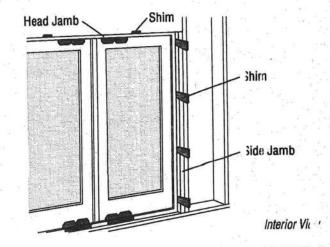


8. Shim Unit

. CAUTION

Shims must be used between jambs and framing to prevent bo ving when frame is secured.

 nsert shims between rough opening and door unit, irectly above and below hinges and near each istallation hole in jambs, from the interior. Shims revent jarnt's from bowing when unit is secured to ough opening.



9. Fasten Unit



· CAUTION

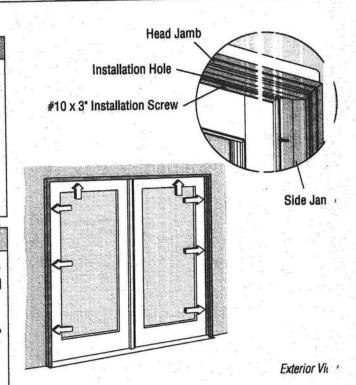
- Steel fas eners will corrode when used with ACQ
 Pressure Treated Lumber.
- Obtain a nd use the appropriate size stainless steel screws, as called out in this installation guide, to fasten u if to any rough opening made from ACQ Pressure Treated Lumber.
- Failure t) use stainless steel fastners may result in fastner (orrosion causing product damage.

NOTICE

Screw and Hinge color must match. Screws used to secure un t through installation holes will be covered by Fasten or Covers. Retain color matching Screws to secure Hinges in **Step 11**.

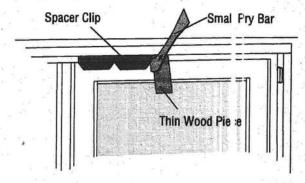
- For whi e interior units, use brass colored #10 x 3"
 Screws to secure Side Jambs and white #10 x 3"
 Screws to secure Hinges.
- For units with brass colored Hinges, use white #10 x 3 Screws to secure Side Jambs and brass colored #10 x 3" Screws to secure Hinges.

Fasten unit through installation holes in *Head* and *Side Jambs* into rough opening using #10 x 3" Screws from the exterior. For white interior units, use brass colored #10 x 3" Screws. For all other units, use white #10 x 3" Screws. **DO NOT** tighten screws at this point. Take care r of to scratch door finish.



10. Remo re Spacer Clips

Insert a s nall pry bar between frame and Spacer Clips.
 using pro ective material between frame and small pry bar. Pry up on Spacer Clips to remove.



Interior 'iew

1. Secur : Hardware



: CAUTION

Units rr ay have factory installed screws in hardware locations where #10 X 3" Screws will be fastened. For units with factory installed screws, remove screws shown in illustration and replace with #10 x 3 Screws, provided. Proper screws must be used for unit to perform properly.

- Fasten Sile Jambs through outer holes of all Hinges
 using #10 x 3" Screws, as shown. For white interior
 units, use white #10 x 3" Screws. For brass Hinges, use
 brass cold red #10 x 3" Screws.
- For Door Inits with Stormwatch™ Protection, place a 1/2" x 4" :: 10" shim block directly above Head Jamb Lock Recaiver, between header and head jamb.



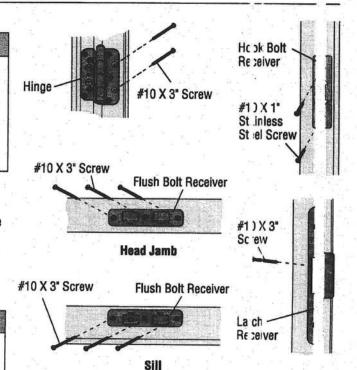
: CAUTION

- Steel asteners will corrode when used with ACQ Press ire Treated Lumber.
- Obtair and use the appropriate size stainless steel screws, as called out in this installation guide, to fasten unit to any rough opening made from ACQ Pressure Treated Lumber.
- Failure to use stainless steel fastners may result in fastne corrosion causing product damage.

Remove Gold Colored #10 x 1" Screws in Flush Bolt Receivers and replace with #10 x 3" Screws.

Remove Gold Colored #10 x 1" Screws in Hook Bolt Receivers and replace with Stainless Steel #10 x 1" Screws.

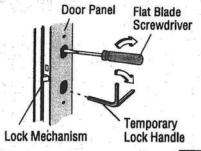
Fasten through Latch Receiver using #10 x 3" Screws.

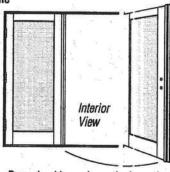


1 . Check (learance and Swing

- Insert a flat blade screwdriver into upper lock hole on door panel and turn left to unlock dead bolt. Insert *Temporary Lock Handle* into lower lock hole and turn down.
- Adjust Late 1 Blocker and Receiver and Hook Bolt Receiv 1 (AP/PA Units) to achieve adequate w atherstrip compression, if required. Fefer to hinge and hardware adjustment instruction guide for this product.
- Determine i clearance and swing are correct.

 Door Panel should remain motionless hrough ent re swing range. If clearance and/or swin pare not correct: First, recheck ough opening for plumb and square. If rough opening is not plumb or level, correct as n cessary. Second, recheck sill plate for level. Third, refer to hinge and nardware ac justment instruction guide for his product

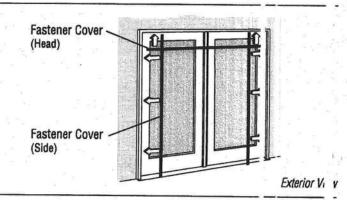




Door should remain moti inless when positioned at any point in the entire swing range.

1: . Secure | Init and Apply Fastener Covers

- Fighten inst illation screws. Door must emain plun b while tightening.
- Position has d Fastener Covers and snap into place by tapping lightly. Repeat for side Fastener Covers.

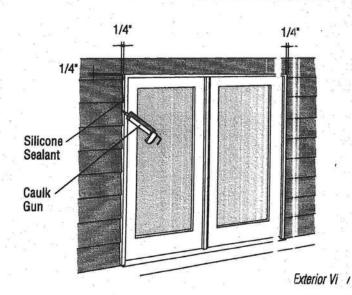


14 Apply E) terior Finish and Seal

NOTICE

For installations not using Installation Flanges, bucker rod (not supplied) must be inserted around perimeter of door between frame and exterior finish in place of Installat on Flanges.

- Apply exterior finish over Installation Flanges saving 1/4" between door frame and exterior nish.
- upply a ccnt nuous bead of silicone sealant round exter or perimeter of door between ame and e) terior finish.

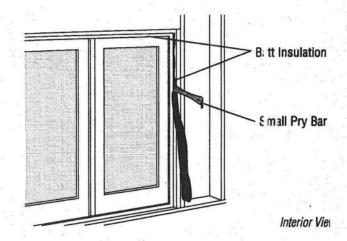


1 . Insulate Around Unit

. CAUTION

When insulating between the unit's frame and rough opening, or between units when joining, **DO NOT** c verpack batt insulation or overfill with foam. Be wed jambs will result affecting product performance and/or improper unit operation.

 Insert insulation between door frame and rough opening from the interior. DO NOT overpack batt insulation or overfill with expandable foam.



F rishing, Cleaning, and Maintenance Instructions

· CAUTION

- DO NO expose unfinished wood to high moisture conditions, excessive heat or humidiry. Finish interior wood surfaces immediately after installation. Unfinished wood surfaces will discolor, deteriorate, and/ or may bow and split.
- DO NO stain or paint weatherstrip, silicone beads, /inyl, glass, or hardware.
- Acid so utions used to wash masonry/ concrete will damage glass, fasteners, hardware, and metal flashing. Follow the acid solution manufacturer's instructions carefully. Protect and/or cover Andersen products during he cleaning process to prevent acid contact. If acid does come in contact with unit, irr mediately wash all surfaces with clean water.

INTERIOR FINISHING

Read and follow finishing manufacturer's instruction and warnings on each container of finish material fo priming, painting, staining, and varnishing.

CLEANING

Clean exterior frame, sash members, and insect screens using a mild detergent-and-water solution and a soft cloth or brush. **DO NOT** use abrasive cleaners of solutions containing corrosive solvents. For persister dirt or grime, use a nonabrasive cleanser or a mixture of water and alcohol or ammonia.

MAINTENANCE

Immediately sand and refinish any interior wood that becomes stained or mildewed to prevent further discoloration and/or damage. For further nformation contact your local Andersen dealer. Deale s can be found in the Yellow Pages under Windows.



36" Direct Vent Fireplace (5" - 8" Vent Pipe)

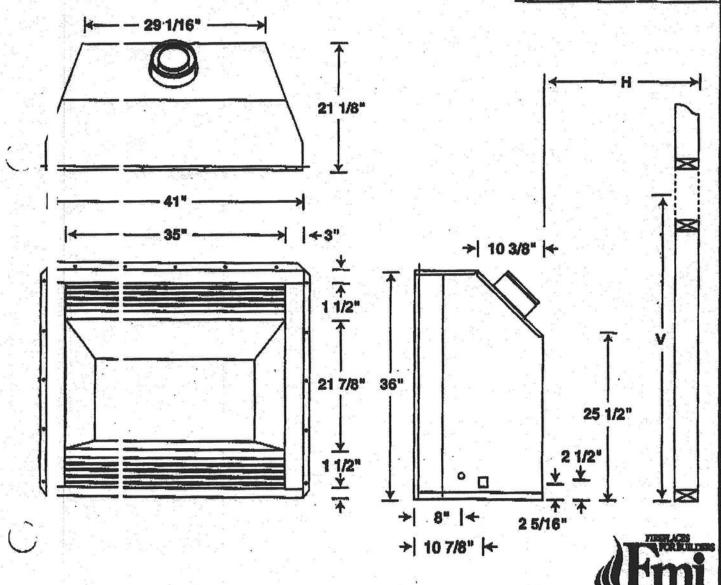
	und Floor I 1 - 45° Elbe	nstallation pw)
Horiz.	Min.	Required
Run (H)	Height (V)	Horiz, Pipe

12" max.

36"

17" max.

Installations requiring a de- and 90° Elboy.								
Horiz.	Min.							
Run (H)	Height (V)							
30" max.	47 1/4"	none						
48" max.	57 1/4"	12"						
60" max.	69 1/4"	24"						
84" max.	81 1/4"	36"						
144" max.	93 1/4"	48° ·						



36" AND 42" DIRECT VENT GAS FIREPLACES
Model V36 and V42

imeless Beauty and The Latest echno ogies

3867583021

vil's Victoriar direct vent gas replaces are the ideal match for day's energy-ifficient homes. The ctorian is the centerpiece of our citing new Fenaissance Series, hich offers a consistent look, sizing, id construction across the entire is ... plus be: utiful new features ameowners vill love!

lomeowne: Highlights:

Distinctive locks—Features random flame pattern and realistic glowing cmber bed but ner... plus exquisite new split oak eramic fiber logs.

Operation and maintenance are a breeze—Operates from wall switch or remote control. Hinged glass door swings open for easy maintenance and never needs as justment.

Attractive acc ssories—You have an array of eye-c: tching extras, including brass or platir am louvers and trim, realistic textus ed brick liner kits, and much more.

uilder Ben :fits:

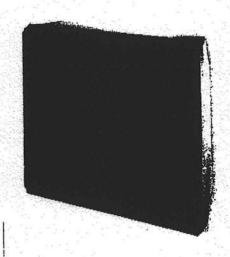
Secure, straig it installation—We've added full-len; th nailing flanges, and drywall stops.

Venting optio is—Our 45° slant back design lets yo choose between horizontal and vertical venting for painless instal ation. Your choice of hard or flexible verting.

More standan features—Flex gas connector, shi t-off valve and pre-wired "J" box are all standard.



ESA International www.desaint.com or more information, call (800) 888-2050



V36N features black rolled louvers.



V42NH features black rolled louvers and textured herringbone brick-lined interior.

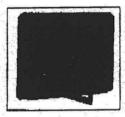
Victorian Direct Veni Fire place Product Offering Summary

36° & 42° Direct Vent Fireplace Models Available With The Following:

- . Millivolt Or Electronic Ignition
- · Natural Or Propane Fuel
- · Black, Standard Brick, And Herringbone Pattern Refractory Brick Imeriors
- All fireplaces use 3" 8" pipe. 36" models @ 32,000 Btu/42" models @ 35,000Bt a.



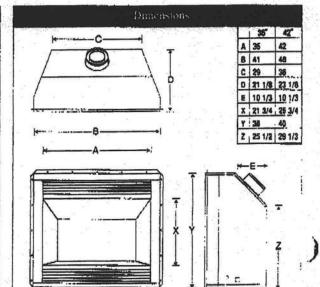
Victorian models offer random, tiered flome patterns and gorgeous glowing ember bed burners.



Hinged, tool-less entry door swings open for easy meintenance.

Accessory Offering Summar

- Smooth Face, Stamped Steel and Rolled Black Louver Panels
- Louver Irim (Brushed Brass & Platinum)
- Perimeter Trim Kits (Black, Brushed Brass & Platinum)
- Standard & Herringbone Refractory Brick Liners
- · Remote Control Kits
- Fan Kits
- · Deflection Hoods







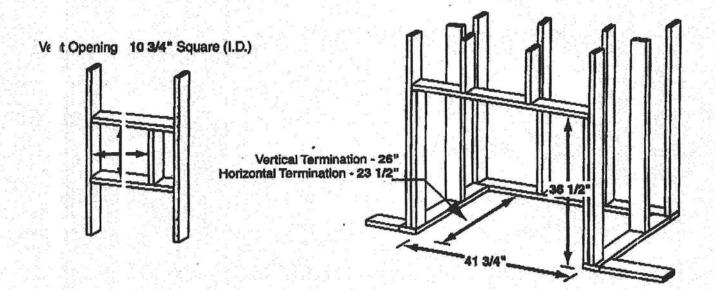


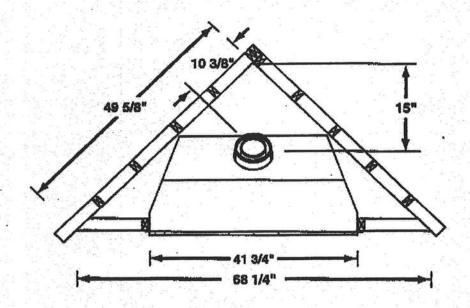




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Framing Dimensions





N IE:

Bi t-in Feature : Such as Mantels, Bookshelfs, etc. Made of Combustible Materials Must Maintain Minimum

Cl arances from the Fireplace. See installation instructions for Complete Information



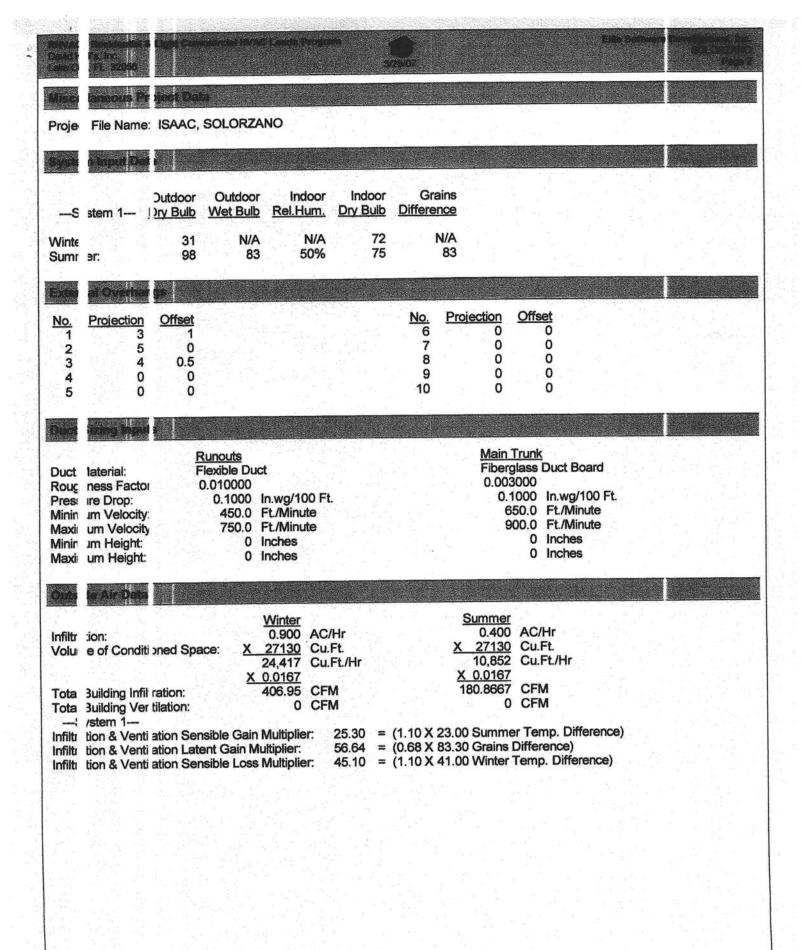
SOLORZANO HVAC LOAD ANALYSIS

for



Prepared By:

DAVID HALL DAVID HALL'S INC. PO BOX 244 LAKE CITY FL. 32056 386-755-9792 3/28/07



	Pa. Inc. Fit 30056		-			reior					
	10	les i									
Comp	nent			i + i .	* J.,		Area Quan	Sen. Loss	Lat. Gain	Sen. Gain	Tota Gai
3C 8C 10D	Window Do Glass Door Door Wood	Single Clr Solid Cor		Metal Fra I Frame	ame		317 168 21 1,508	9,424 7,956 396 5,563	0 0 0	11,452 7,040 257 3,609	11,45 7,04 25 3,60
16G		Insulation			+ R-19		2,268 2,052 30	3,066 2,187 996	0	3,517 0 0	3,51
Subto	als for struc People: People:						6,364 4 0	29,588 0 0	920 0	25,875 1,200 0	25,87 2,12
Appli: Lighti Duct	nces: g: ork:			0514 400			0	0 0 2,398 18,352	1,200 0 10,243	1,200 4,501 3,736 4,577	2,40 3,73 14,82
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Build	g Load Tota	<u>ls:</u>						50,338	12,363	41,089	53,45
	11										
	Building Sup efeet of roc		1868 2,254				square foot: eet per ton:	0.829 503.198			
]* It								5)(50) -a) (25)		
Total Total	eating requiensible gain atent gain: cooling requi			50,338 41,089 12,363 53,452	Btuh Btuh	50.338 77 23 4.454 4.479	% % Tons (based	on sensible on 77% se	+ latent) nsible cap	acity)	
			Market No.								

Calc ations are based on 7th edition of ACCA Manual J.

All or nputed results are estimates as building use and weather may vary. Be sile to select a unit that meets both sensible and latent loads.

	7 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		e Grand Promise		izeror			Gara Spire		
	n #1 Sagun	ey Ladi								
Comp					X	Area Quan	Sen. Loss	Lat. Gain	Sen. Gain	Tot Ga
3C	Window Do	uble Pane Clear Gla Single Clr Glass Me	ass Metal Frame etal Frame	ne		317 168	9,424 7,956	0	11,452 7,040	11,45 7,04
	Wall R-11 -	1/2" Gypsum(R-0.	5)			21 1,508 2,268	396 5,563 3,066	0	257 3,609 3,517	3,60 3,51
19D) Insulation 3asement/Encl Crande No Edge Insulation		- R-19		2,255 2,052 30	2,187 996	0	0 0	3,31
	als for struc People:					6,364	29,588 0	0 920	25,875 1,200	25,87 2,12
Inacti Appli	People:					0	0	0 1,200	1,200 4,501	2,40
Lighti Duch Infiltra Venti	ork: ion: Winter	CFM: 406.9, Summer CFM: 0.0, Summer	er CFM: 180.9			0 506 0	2,398 18,352 0	0 10,243 0	3,736 4,577 0	3,73 14,82
Sens	le Gain Tota erature Swir	ıl:		E FOR	(7) a to				41,089 X1.00	
-	1 Load Tota						50,338	12,363	41,089	53,45
(e) ()							, and the second			
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	r to di									
Total	ensible gair	red with outside air:	41,089	Btuh	50.338 77	%				
	atent gain: cooling requ	red with outside air:	12,363 53,452		23 4.454 4.479	Tons (based				

Calc ations are t ased on 7th edition of ACCA Manual J.

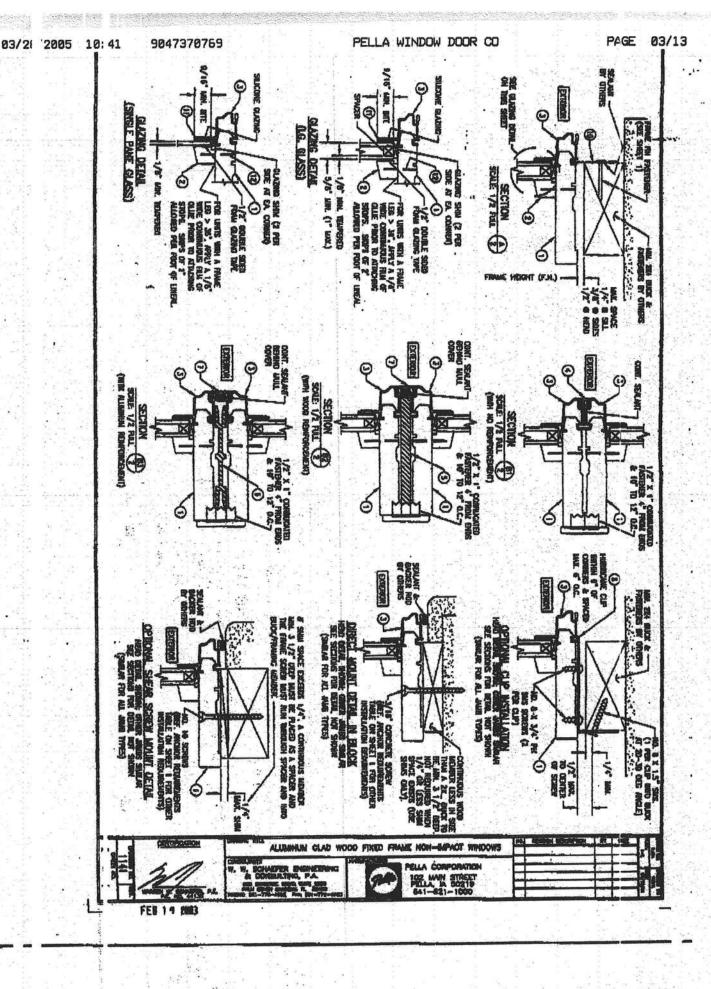
All or nputed results are estimates as building use and weather may vary.

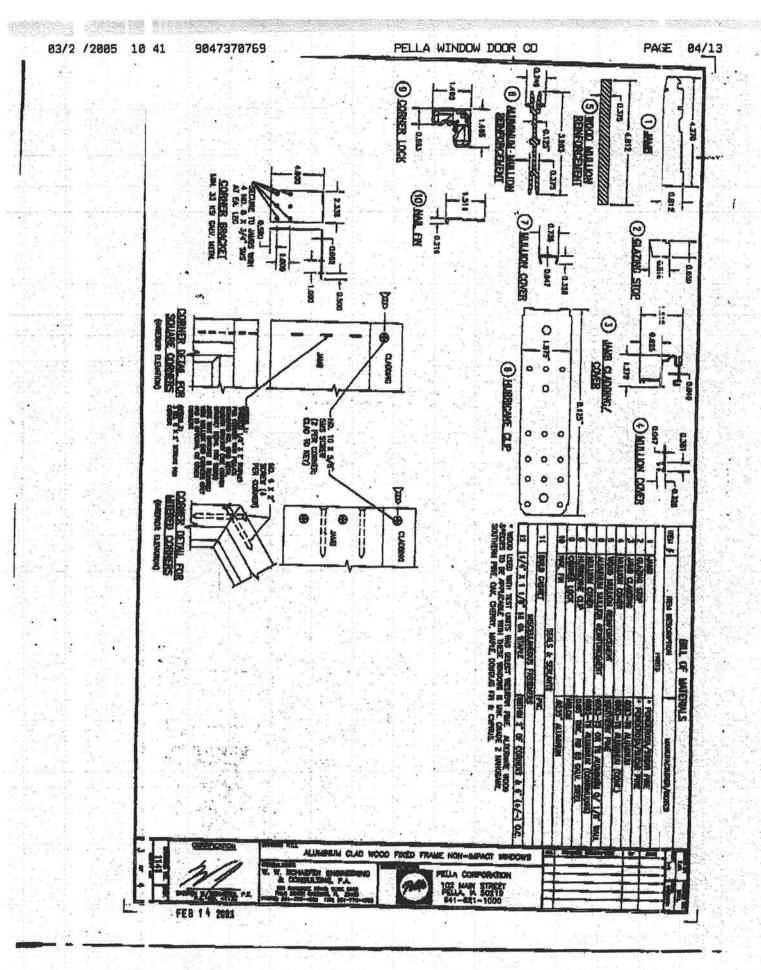
Be size to select it unit that meets both sensible and latent loads.

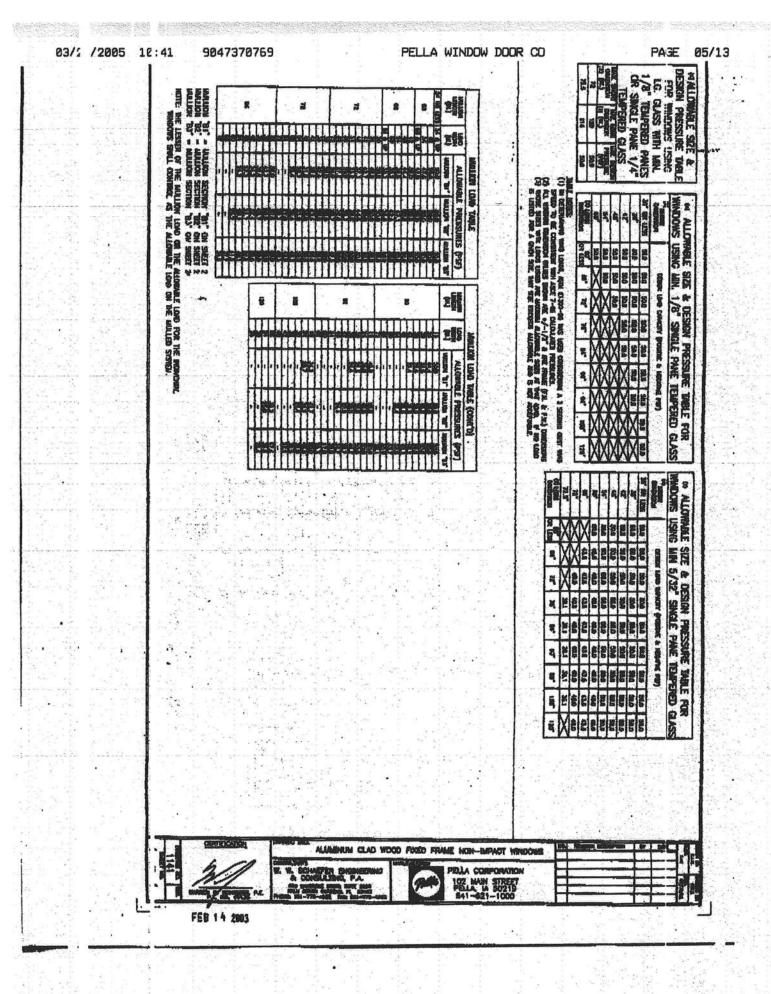
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A A	—z one 1—											
1	Dining Roor 1	216	5,807	75	1-9	532	4,342	1,080	197	1.19	235	19
2	Bedroom#2	168	2,083	27	1-5	554	1,661	243	76	1.00	76	7
3	Bath	66	746	. 10	1-4	426	817	121	37	1.00	37	3
4	Living Roon	624	19,494	253	2-12	599	15,345	5,272	698	1.35	942	69
5	Kitchen	182	1,454	19	1-7	496	2,914	1,612	132	1.00	132	13
6	Breakfast Nook	168	4,323	56	1-7	470	2,765	850	126	1.00	126	12
7	Master Bed oom	270	6,805	88	1-11	531	5,707	1,566	259	1.35	350	25
8	Master Clos et	66	353	5	1-3	569	614	0	28	1.00	28	2
9	Master Batl	118	3,461	45	1-6	539	2,327	769	106	1.00	106	10
10	Laundry	31	160	2	1-2	694	333	0	15	1.00	15	1
11	Closet	24	154	2	1-2	685	329	0	15	1.00	15	1
12	Loft	321	5,498	71	3-4	683	3,936	850	179	1.00	179	17
-		2254	50,338	654			41,089	12,363	1,868 Ma	ain Trunk	2,240 Size: 20	1,86 0x16 i

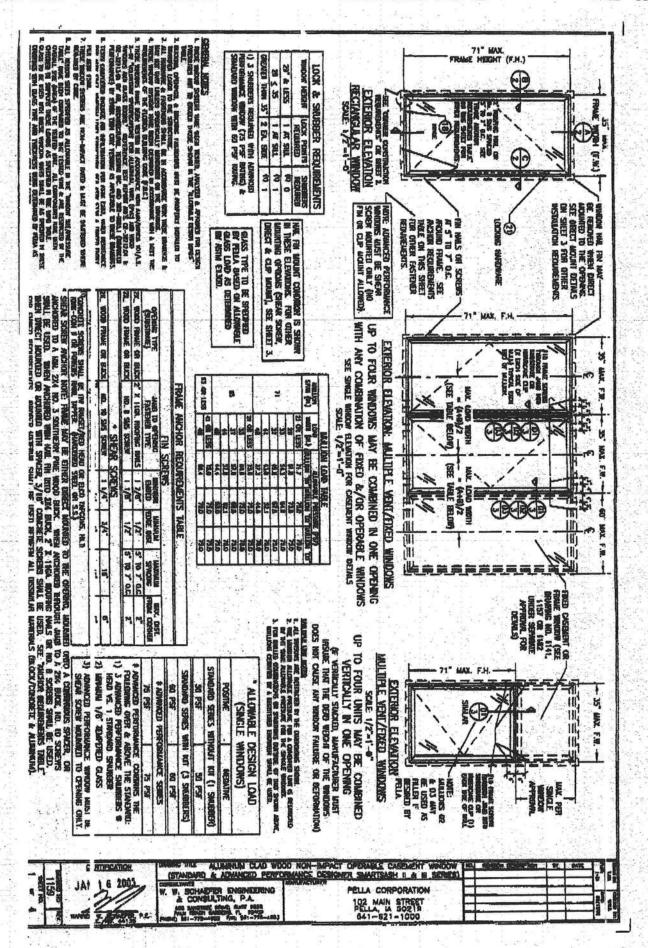
nar Cooli o S					
	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
equired:	4.454 4.479	77%/23% 77%/23%	41,089 41,389	12,363 12,363	53,452 53,752

Mood Windows

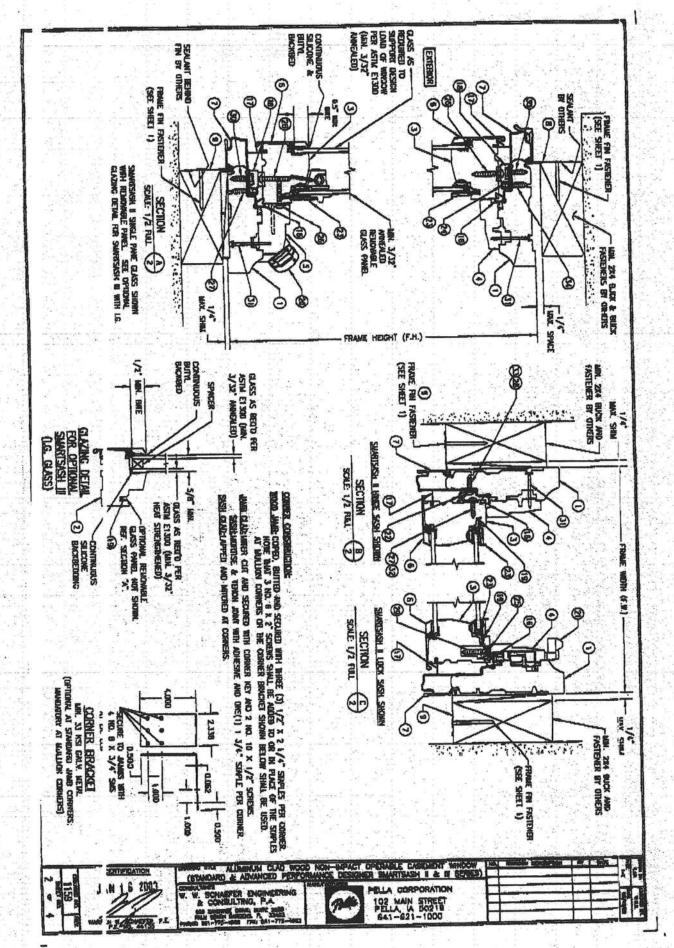


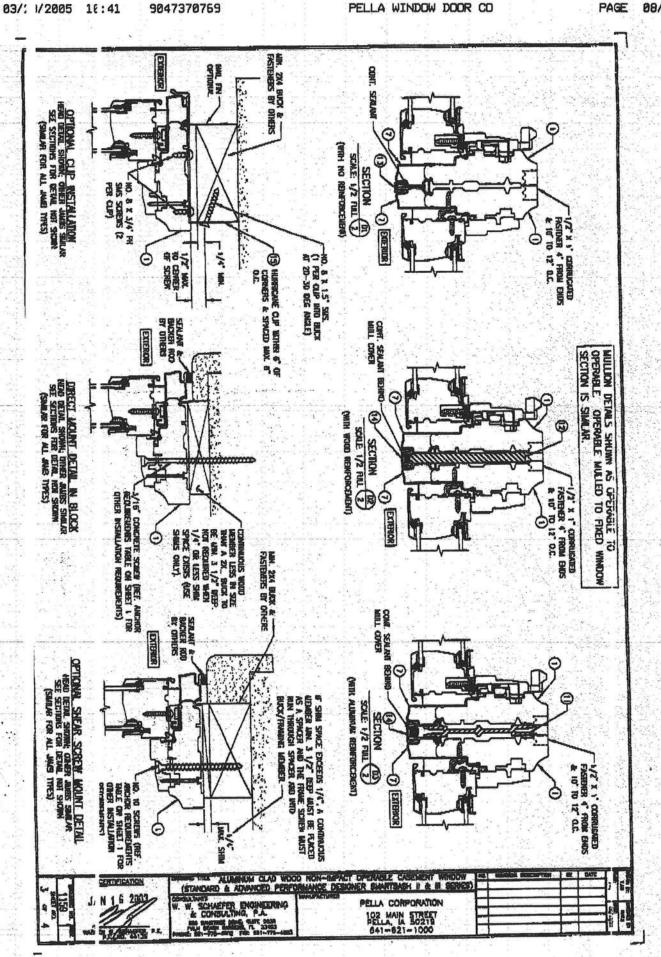


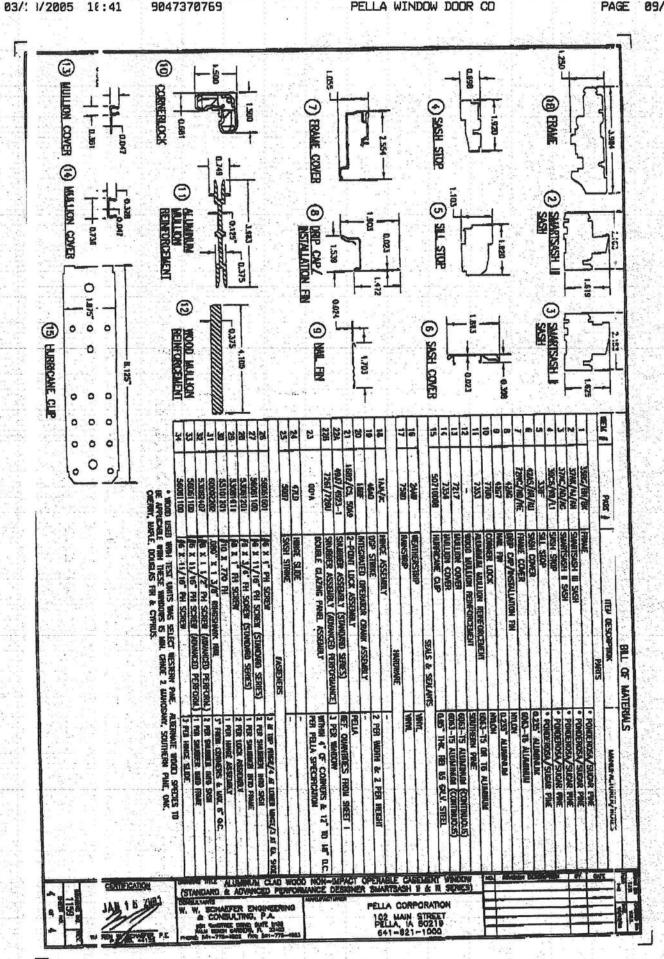


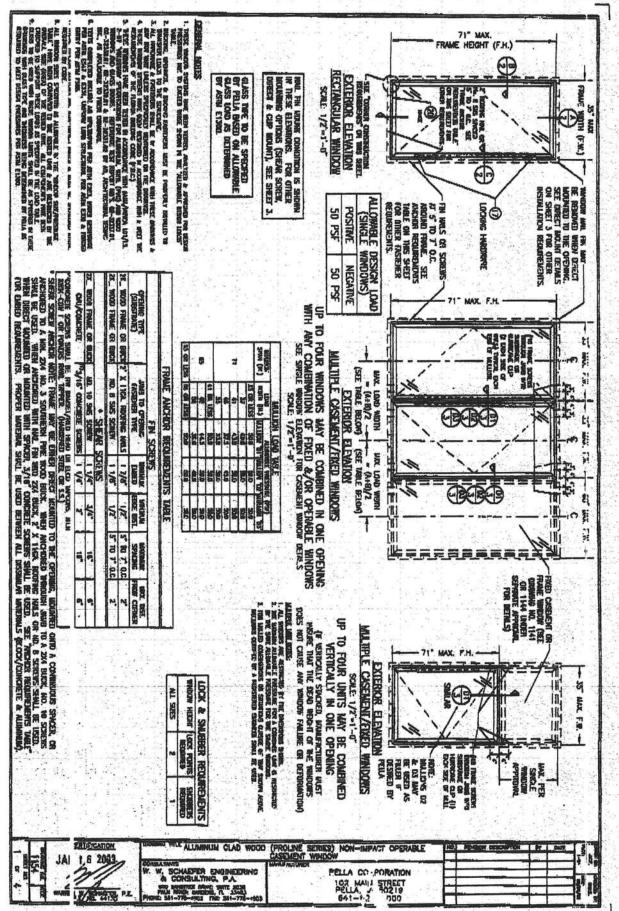


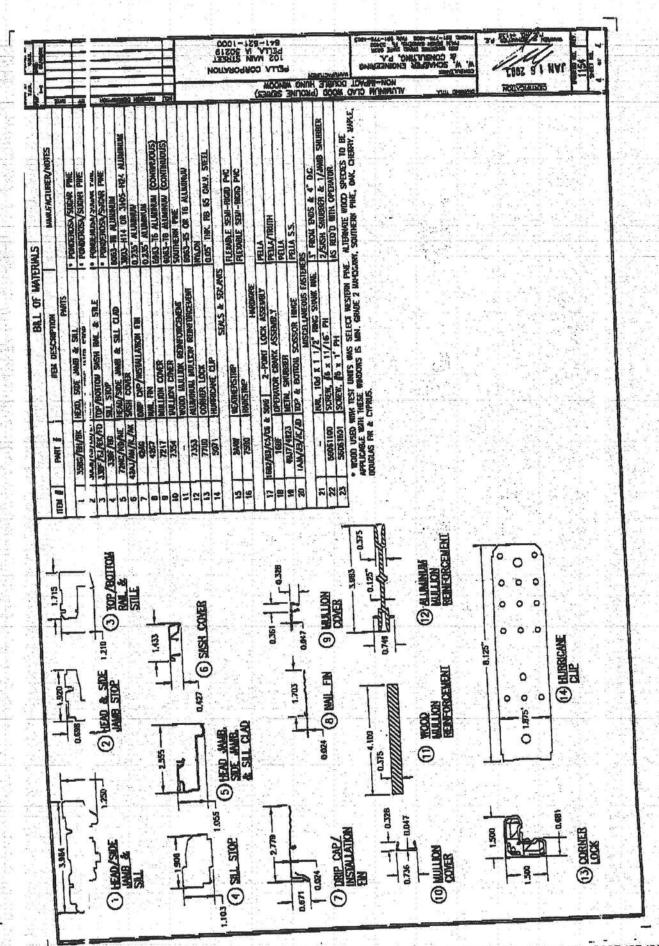
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PELLA WINDOW DOOR CO

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