DATE 04/13/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024389

APPLICANT NORMA G.STEWART PHONE 904.491.7764

ADDRESS 188 SW MARY TERRACE LAKE CITY FL 32024

OWNER CHARLES STEWART JR. NORMA G.STEWART PHONE 904.491.7764

ADDRESS 188 SW MARY TERRACE LAKE CITY FL 32024

CONTRACTOR NORMA G. STEWART PHONE 904.491.7764

LOCATION OF PROPERTY SR-247-S TO C-240,TL TO 1/2 MILE TO MARY ,TR AND IT'S 300 TO 400 YARDS ON THE R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 54000.00

HEATED FLOOR AREA 1080.00 TOTAL AREA 1080.00 HEIGHT 16.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT

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

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 14-5S-15-00459-113 SUBDIVISION CROSSROADS

LOT 13 BLOCK PHASE UNIT 1 TOTAL ACRES 0.50

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Norma G. Stewart Applicant/Owner/Contractor
EXISTING	06-0307-N	BLK	JTH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: 1 FOOT ABOVE ROAD. SECTION 14.9. SPECIAL FAMILY LOT PERMIT FOR MOTHER.

Check # or Cash 1857

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

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

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

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

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

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

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

BUILDING PERMIT FEE $ 270.00 CERTIFICATION FEE $ 5.40 SURCHARGE FEE $ 5.40

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 355.80

INSPECTORS OFFICE CH CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application Revised 9-23-04

For Office Use Only Application # 0603-112 Date Received 3/30/06 By JW Permit # 24389
Application Approved by - Zoning Official BLK Date 05.04.06 Plans Examiner OK JTH Date 4-10-06
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments Section 14.9 Special Family Lot Permit
NOC — ✓ SITE PLAN ON PLANS. for Mother

Applicants Name Norma G Stewart Phone 904-491-7764
Address 188 SW Mary Terrace L.C. 32024
Owners Name Charles E Stewart Jr. Phone 752-1242
911 Address ~~11466~~ 188 ~~C.R. 240~~ Mary Terrace LAKE CITY, FL 32024 Cell 365-3436
Contractors Name Self Phone
Address
Fee Simple Owner Name & Address Charles E Stewart
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Tim Delbene / Mark Disosway
Mortgage Lenders Name & Address Cash
Circle the correct power company – FL Power & Light – Clay Elec. (circled) – Suwannee Valley Elec. – Progressive Energy
Property ID Number 14-5S-15-00459-113 Estimated Cost of Construction 35,000.
Subdivision Name Cross Roads Lot 13 Block Unit 1 Phase
Driving Directions 90-W 247 TO TL. TO C-240 - TL TO
1/2 mile to Mary, TR 3to400' on the right.

Type of Construction FRAME SFD Number of Existing Dwellings on Property 1
Total Acreage .50 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive (circled)
Actual Distance of Structure from Property Lines - Front 59' Side 50' Side 26' Rear 50'
Total Building Height 16' Number of Stories 1 Heated Floor Area 1080' Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. Cat 1857

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

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

Norma G. Stewart
Owner Builder or Agent (Including Contractor)

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 16 day of March 20 06
Personally known ✓ or Produced Identification

Jackie E Taylor
Notary Signature

NOTARY PUBLIC STATE OF FLORIDA
JACKIE E. TAYLOR
MY COMMISSION # DD 391171
EXPIRES: February 4, 2009
Bonded Thru Budget Notary Services

NOTARY PUBLIC STATE OF FLORIDA
JACKIE E. TAYLOR
MY COMMISSION # DD 391171
EXPIRES: February 4, 2009
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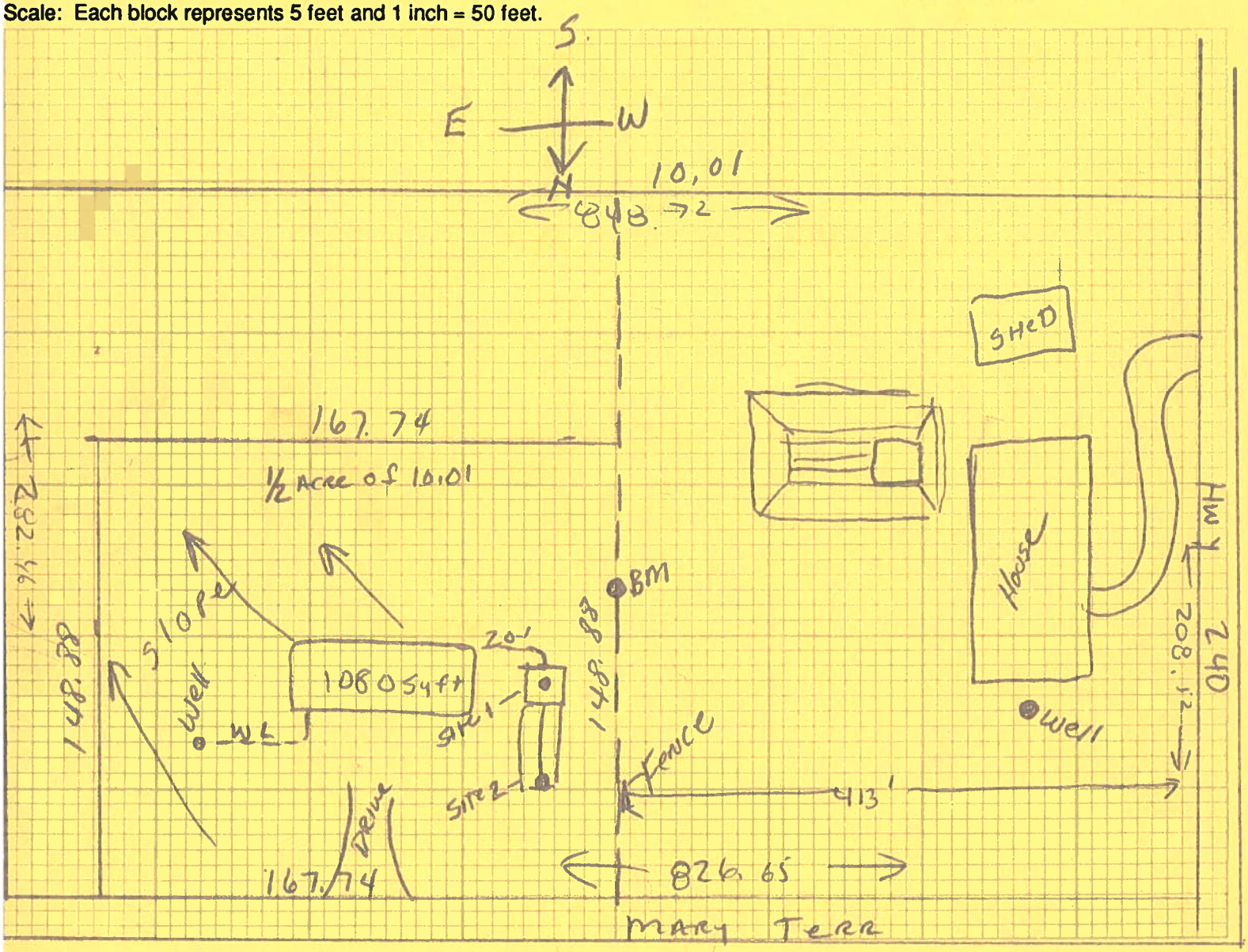
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0307N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: CHARLES STEWART
(HORMA STEWART)

Site Plan submitted by: Robert W Ford NFS (Signature) Agent (Title)

Plan Approved ✓ Not Approved ____ Date 4/1/06

By _____ (Columbia) County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

N

APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

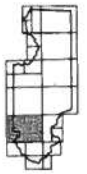
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 225 OF 290

PANEL LOCATION



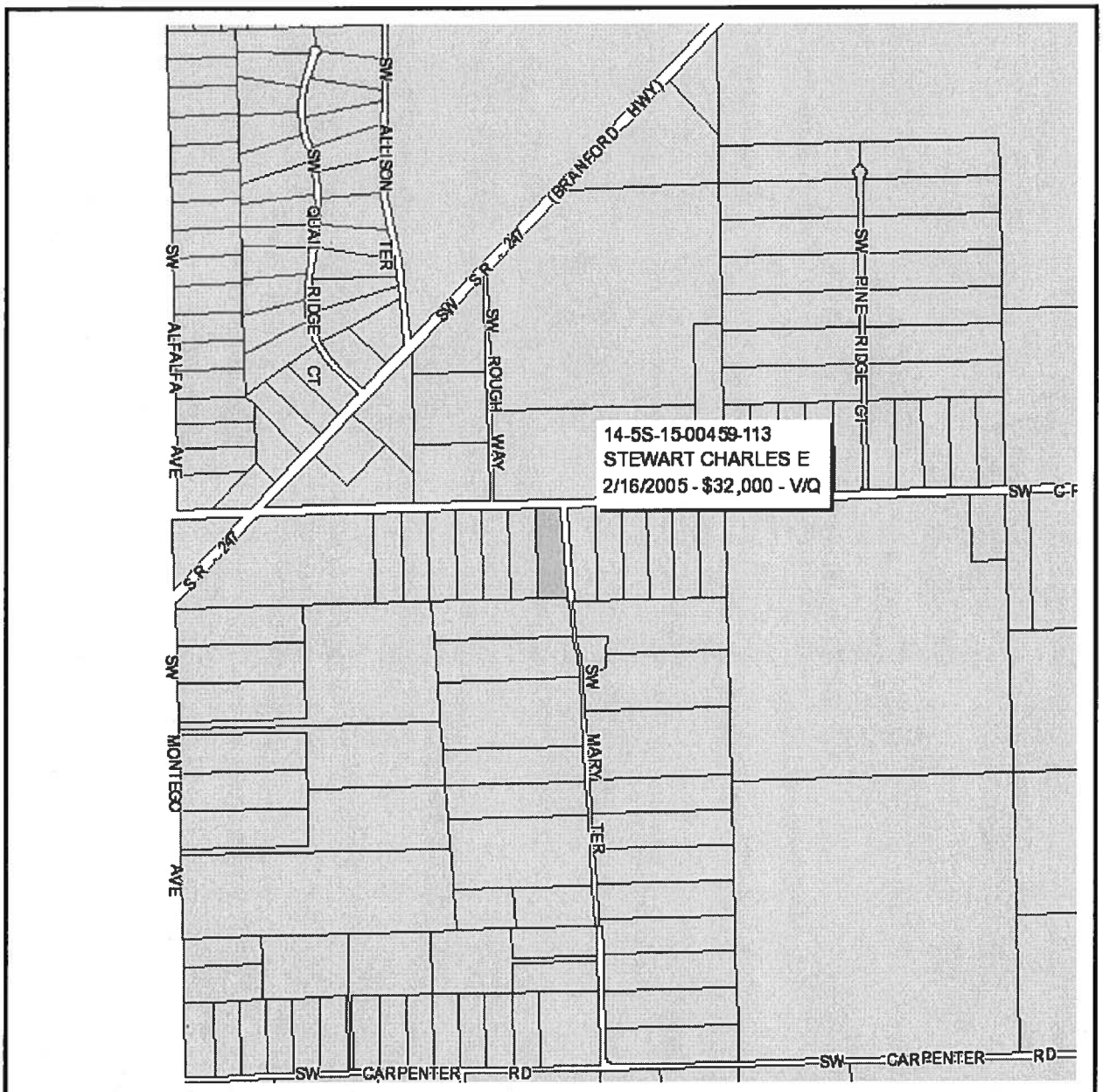
COMMUNITY-PANEL NUMBER
120070 0225 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

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

Print Date: 3/31/2006 (printed at scale and type A)



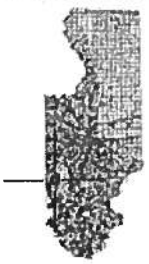
Columbia County Property Appraiser

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

PARCEL: 14-5S-15-00459-113 HX - SINGLE FAM (000100)

LOT 13 THE CROSSROADS UNIT 1. ORB 781-1277, 1/2 UNDIV INT EA 921-1272, 1/2 INT EACH

Name:	STEWART CHARLES E	LandVal	$39,000.00
Site:	LOT 13 CROSSROADS 1	BldgVal	$109,209.00
Mail:	11466 SW CR 240 LAKE CITY, FL 32024	ApprVal	$151,089.00
		JustVal	$151,089.00
Sales Info	2/16/2005 $32,000.00V / Q	Assd	$151,089.00
	2/21/2001 $17,000.00V / Q	Exmpt	$25,000.00
	10/14/1993 $14,000.00V / Q	Taxable	$126,089.00



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

DISCLOSURE STATEMENT

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

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

( ) Single Family Dwelling
( ) Farm Outbuilding
(✓) New Construction
( ) Two-Family Residence
( ) Other____________________
( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

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

Norma G. Stewart — 3-29-06
Signature **Date**

FOR BUILDING USE ONLY

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

Date 3-30-06 **Building Official/Representative** [signature]

SPECIAL WARRANTY DEED

THIS INDENTURE, made this 8th day of February, 2006, between CHARLES E. STEWART, JR., unmarried, whose address is 11466 SW County Road 240, Lake City, Florida 32024, Grantor, and NORMA G. STEWART, whose address is 2335 Amelia Road, Fernandina Beach, Florida 32034, Grantee,

W I T N E S S E T H:

That said Grantor, for and in consideration of the sum of TEN AND NO/100 ($10.00) DOLLARS, and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee, and Grantee's heirs, successors and assigns forever, a LIFE ESTATE only in the following described land, situate, lying and being in Columbia County, Florida, to-wit:

SEE SCHEDULE A ATTACHED HERETO
[Tax parcel number R00459-113 (cutout)]
120 New Number

SUBJECT TO: Taxes for 2006 and subsequent years; restrictions and easements of record; and easements shown by a plat of the property.

And Grantor does hereby fully warrant the title to said land and will defend the same against lawful claims of all persons claiming by, through or under Grantor.

IN WITNESS WHEREOF, Grantor has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

Print Name: Eddie M. Anderson

Print Name: Andrea L. Walden
Witnesses as to Grantor

CHARLES E. STEWART, JR.

This Instrument Prepared By:
EDDIE M. ANDERSON, P.A.
P. O. Box 1179
Lake City, Florida 32056-1179

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 8th day of February, 2006, by CHARLES E. STEWART, JR. He is personally known to me or he produced _____ as identification.

(Notarial Seal)

Andrea L. Walden
My Commission DD260301
Expires October 21, 2007

Notary Public
My Commission Expires:

Inst:2006003132 Date:02/08/2006 Time:16:18
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1073 P:1415

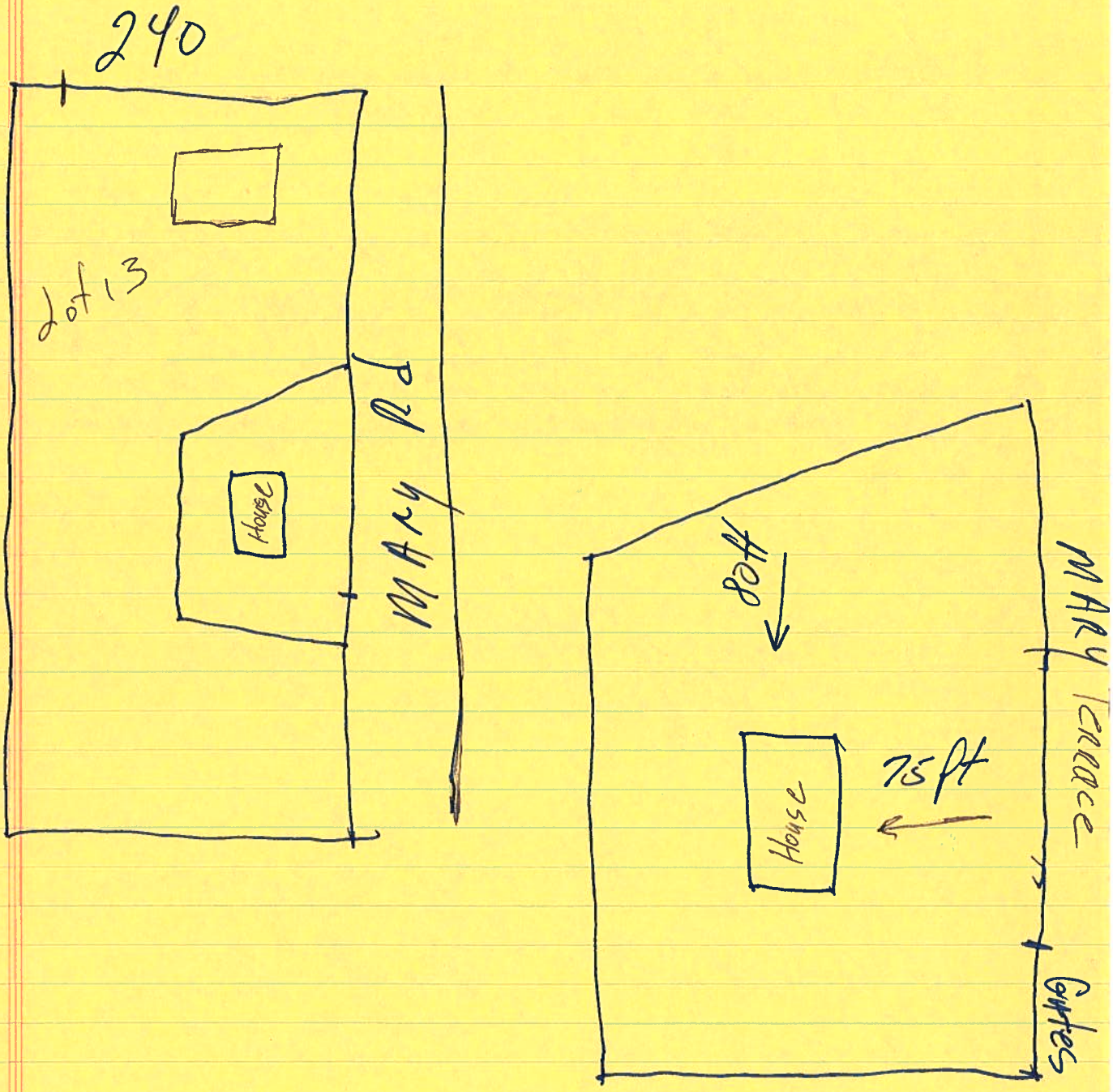
SCHEDULE A to SPECIAL WARRANTY DEED

(Stewart to Stewart, life estate)

A parcel of land in Section 14, Township 5 South, Range 15 East, Columbia County, Florida, being more particularly described as follows:

COMMENCE at the Southeast corner of Lot 13 of Crossroads Unit 1, a subdivision recorded in Plat Book 6, Pages 92-92A of the Public Records of Columbia County, Florida and run North 03°57'50" West along the West Right-of-Way line of Mary Terrace a distance of 336.99 feet to the POINT OF BEGINNING; thence South 84°23'11" West a distance of 144.01 feet; thence North 04°02'57" West a distance of 134.63 feet; thence North 71°32'38" East a distance of 148.88 feet to a point on the West Right-of-Way line of Mary Terrace; thence South 03°57'50" East along said West Right-of-Way line of Mary Terrace a distance of 167.74 feet to the POINT OF BEGINNING. Containing 0.50 acres, more or less.

Inst:2006003132 Date:02/08/2006 Time:16:18
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1073 P:1416


240
Lot 13
House
MARY Rd
80ft
75ft
House
MARY Terrace
Gutters

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 2/16/2006 **DATE ISSUED:** 2/17/2006

ENHANCED 9-1-1 ADDRESS:

188 SW MARY TER

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

14-5S-15-00459-113

Remarks:

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.

77

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Stewart Residence**	Builder:	**C. Stewart**
Address:	**Mary Road**	Permitting Office:	**Columbia Co**
City, State:	**Lake City, FL 32055-**	Permit Number:	24389
Owner:	**Stewart**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		2	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		997 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	254.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 129.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 736.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 997.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 18.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 35.0 kBtu/hr	
	SEER: 14.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 35.0 kBtu/hr	
	HSPF: 7.90	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 30.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,	

Glass/Floor Area: 0.25

Total as-built points: 15472
Total base points: 15768

PASS

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

PREPARED BY: Tim Delbene

DATE: 2/11/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Mary Road, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	997.0	20.04	3596.4	Double, Clear	E	2.0	7.0	60.0	42.06	0.89	2235.8	
				Double, Clear	S	2.0	7.0	152.0	35.87	0.82	4471.2	
				Double, Clear	W	2.0	7.0	30.0	38.52	0.89	1024.8	
				Double, Clear	W	2.0	3.0	3.0	38.52	0.64	73.8	
				Double, Clear	W	2.0	5.0	9.0	38.52	0.80	277.1	
				As-Built Total:				**254.0**			**8082.8**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	736.0	1.50		1104.0	
Exterior	736.0	1.70	1251.2									
Base Total:	**736.0**		**1251.2**	**As-Built Total:**				**736.0**			**1104.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	21.0	2.40	50.4	Exterior Insulated				21.0	4.10		86.1	
Exterior	21.0	6.10	128.1	Adjacent Insulated				21.0	1.60		33.6	
Base Total:	**42.0**		**178.5**	**As-Built Total:**				**42.0**			**119.7**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	997.0	1.73	1724.8	Under Attic			30.0	997.0	1.73 X 1.00		1724.8	
Base Total:	**997.0**		**1724.8**	**As-Built Total:**				**997.0**			**1724.8**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	129.0(p)	-37.0	-4773.0	Slab-On-Grade Edge Insulation			0.0	129.0(p	-41.20		-5314.8	
Raised	0.0	0.00	0.0									
Base Total:			**-4773.0**	**As-Built Total:**				**129.0**			**-5314.8**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	997.0	10.21	10179.4					997.0	10.21		10179.4	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Mary Road, Lake City, FL, 32055-**	PERMIT #:

BASE				AS-BUILT							
Summer Base Points:			**12157.3**	**Summer As-Built Points:**							**15895.9**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points	
12157.3	**0.4266**		**5186.3**	15895.9 **15895.9**	1.000 **1.00**	(1.090 x 1.147 x 1.00) **1.250**	0.244 **0.244**	0.902 **0.902**		4372.5 **4372.5**	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Mary Road, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	997.0	12.74	2286.3	Double, Clear	E	2.0	7.0	60.0	18.79	1.05	1178.8	
				Double, Clear	S	2.0	7.0	152.0	13.30	1.17	2366.8	
				Double, Clear	W	2.0	7.0	30.0	20.73	1.03	641.3	
				Double, Clear	W	2.0	3.0	3.0	20.73	1.12	69.6	
				Double, Clear	W	2.0	5.0	9.0	20.73	1.06	197.6	
				As-Built Total:				**254.0**			**4454.1**	
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	736.0	3.40		2502.4	
Exterior	736.0	3.70	2723.2									
Base Total:	**736.0**		**2723.2**	**As-Built Total:**				**736.0**			**2502.4**	
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points	
Adjacent	21.0	11.50	241.5	Exterior Insulated				21.0	8.40		176.4	
Exterior	21.0	12.30	258.3	Adjacent Insulated				21.0	8.00		168.0	
Base Total:	**42.0**		**499.8**	**As-Built Total:**				**42.0**			**344.4**	
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	997.0	2.05	2043.8	Under Attic			30.0	997.0	2.05 X	1.00	2043.8	
Base Total:	**997.0**		**2043.8**	**As-Built Total:**				**997.0**			**2043.8**	
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Slab	129.0(p)	8.9	1148.1	Slab-On-Grade Edge Insulation			0.0	129.0(p	18.80		2425.2	
Raised	0.0	0.00	0.0									
Base Total:			**1148.1**	**As-Built Total:**				**129.0**			**2425.2**	
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points	
	997.0	-0.59	-588.2					997.0	-0.59		-588.2	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Mary Road, Lake City, FL, 32055-**	PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**8113.0**	**Winter As-Built Points:**						**11181.7**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
8113.0	**0.6274**	**5090.1**	11181.7 **11181.7**	1.000 **1.00**	(1.069 x 1.169 x 1.00) **1.250**	0.432 **0.432**	0.950 **0.950**	5729.9 **5729.9**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Mary Road, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
2		2746.00	5492.0	30.0	0.90	2	1.00	2684.98	1.00	5370.0	
				As-Built Total:						**5370.0**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
5186	**5090**	**5492**	**15768**	**4373**	**5730**	**5370**	**15472**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Mary Road, Lake City, FL, 32055-**	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
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.	✓

RON E. BIAS
WELL DRILLING

317 SW Brecken Ridge • Fort White, FL 32038
(386) 497-1045 • *Mobile:* (386) 364-9233 • *Fax:* (386) 497-1045

No. _____

Date: 3-5-06

Name: Stewart

Address: Many Rd. 240

Phone: _____

DESCRIPTION: 4" Dia deep well down to 100'
1-Hp Sub pump. 20 GPM
82 tank with cycle stop
1¼ drop. - Both 7 bar pressure
SRWMD Permit
State Specs.

Total: _____

Deposit: _____

Balance: _____

Date Wanted: _____

Authorized By: Ron E Bias

Received By: _____

Notice of Treatment

12064

Applicator: **Florida Pest Control & Chemical Co. (www.flapest.com)**
Address: BAYA AVE
City LC Phone 752-1703

Site Location: Subdivision CROSSROADS
Lot # 13 Block# ______ Permit # 24389
Address 188 SW MARY TER

Product used	**Active Ingredient**	**% Concentration**
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☑ Bora Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☑ Wood

Area Treated	**Square feet**	**Linear feet**	**Gallons Applied**
Dwelling	1300	432	3

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line ______.

6-29-06 — Date
1600 — Time
F254 — Print Technician's Name

Remarks: ______________________________

Applicator - White **Permit File - Canary** **Permit Holder - Pink**

10/05 ©

GTC DESIGN GROUP

24389

GTC Design Group, LLC
P.O. Box 187
Live Oak, FL 32064
(Phone) 386.362.3678
(Fax) 386.362.6133
cwilliams3@alltel.net

FINISH FLOOR ELEVATION CERTIFICATION

OWNER: Charles Stewart

DESCRIPTION: The Crossroad Unit 1, Lot 13

PARCEL ID: 14-5S-15-00459-120

Foundation Requirements:

For protection against water damage, the minimum finish floor elevation of the proposed structure shall be 12 inches above the existing ground at any point along the perimeter of the proposed structure. In no case shall the finish floor elevation be below the centerline of the adjacent roadway.

The ground around the proposed structure shall be graded such as to convey all stormwater runoff away from the proposed structure.

The above elevations are based on the structure's current staked location, approximately +/-100 feet West from SW Mary's Terrace right of way.

4/5/06

Chad Williams
P.E. License Number: 63144
April 5, 2006

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

Reference to a building permit application Number: 0603-112

Owner/builder Norma Stewart 188 SW Mary Terrace Cross Roads Subdivision lot 13 Unite 1

On the date of March 31, 2006 application 0603-112 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0603-112 when making reference to this application.

1. Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be preformed by the Columbia County Building Department.
2. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.
3. Please verify compliance with the FRC-2004 section R308.4 Hazardous locations: Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface. Each pane of glazing installed in hazardous locations as defined in Section R308.4 shall be provided with a manufacturer's

or installer's label, designating the type and thickness of glass and the safety glazing standard with which it complies, which is visible in the final installation. The label shall be acid etched, sandblasted, ceramic-fired, embossed mark, or shall be of a type which once applied cannot be removed without being destroyed.

4. Show on the electrical plan the location of the electrical service overcurrent protection device. This device shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

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

Rendered to:

ATRIUM WINDOWS AND DOORS

SERIES/MODEL: 500 DH
TYPE: Vinyl Double Hung Window

	Summary of Results	
Title	**Test Specimen #1**	**Test Specimen #2**
AAMA Rating	H-R25 48 x 78	H-R50* 36 x 74
Operating Force	26 lb max.	N/A
Air Infiltration	0.15 cfm/ft^2	N/A
Water Resistance Test Pressure	6.0 psf	8.25 psf
Uniform Load Deflection Test Pressure	25 psf	50 psf
Uniform Structural Load Test Pressure	37.5 psf	75.0 psf
Deglazing	Passed	N/A
Forced Entry Resistance	Grade 10	N/A

Reference should be made to ATI Report No. 01-41037.02 for complete test specimen description and data.

Architectural Testing

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

Rendered to:

ATRIUM WINDOWS AND DOORS
300 Welcome Center Boulevard
Welcome, North Carolina 27374

Report No: 01-41037.02
Test Date: 02/20/02
Report Date: 08/26/02
Expiration Date: 03/20/06

Series/Model: 500 DH

Type: PVC Double Hung Window

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Ellison Windows and Doors to perform tests on two Series/Model 500 DH, PVC double hung windows. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: H-R25 48 x 78; Test Specimen #2: H-R50* 36 x 74.

General Note: An asterisk (*) next to the performance grade indicates that the size tested for optional performance was smaller than the Gateway test size for the product type and class.

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

Test Specimen Description:

Test Specimen #1: Gateway Performance Specimen (H-R25 48 x 78)

Overall Size: 4' 0" wide by 6' 5-7/8" high

Interior Sash Size: 3' 8-1/2" wide by 3' 2-1/8" high

Exterior Sash Size: 3' 7-3/4" wide by 3' 1-1/4" high

Screen Size: 3' 7-1/4" wide by 6' 2-1/2" high

Glazing Type: SSB

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

Test Specimen Description: (Continued)

Test Specimen #2: Downsized Performance Specimen (H-R50* 36 x 74)

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

Interior Sash Size: 2' 8-1/2" wide by 3' 0-1/8" high

Exterior Sash Size: 2' 7-3/4" wide by 2' 11-1/4" high

Screen Sash Size: 2' 7" wide by 5' 10-3/4" high

Glazing Type: SSB

Finish: All PVC was white.

Glazing Details: Each test specimen utilized 3/4" thick sealed insulating glass comprised of two 3/32" thick sheets of clear annealed glass and a metal spacer system. Both sash insulating glass was exterior glazed against double-sided adhesive foam tape and secured with co-extruded PVC glazing beads.

Weatherstripping:

Description	Quantity	Location
0.187" backed 0.270" high polypile with center fin	2 Rows	All stiles
0.187" backed 0.270" high polypile with center fin	1 Row	Top rail, interior vertical sill leg, interior head adapter
0.187" backed 0.170" high polypile with center fin	1 Row	Interior sash meeting rail
1-1/4" long by 1/2" wide by 0.310" high polypile dust plug	2	Corners of interior sash meeting rail
0.270" diameter hollow bulb seal	1 Row	Exterior sash meeting rail
0.187" wide by 0.400" high dual leaf foam filled vinyl bulb seal	1 Row	Bottom rail

Frame Construction: The frame was constructed with extruded PVC members. All corners were mitered and welded. A PVC snap-in head adapter was utilized at the head.

Test Specimen Description: (Continued)

Sash Construction: The sash were constructed with extruded PVC members. All corners were mitered and welded.

Screen Construction: The screen was constructed with extruded aluminum members. All corners were mitered and keyed and the screen mesh was held-in-place with a vinyl spline.

Hardware:

Description	Quantity	Location
Spiral balances	4	Two per jamb
Metal sweep locks with keepers	2	7" from ends of interior meeting rail
Tilt latch assembly	4	Top corners of each screen
Metal pivot bars	4	Bottom corners of each sash

Drainage:

Description	Quantity	Location
0.320" diameter weephole	4	2-3/4" from ends of bottom rail and exterior meeting rail draining the glazing channel

Reinforcement: Extruded aluminum reinforcement was utilized in the bottom rail (Part #6401016800), the interior meeting rail (Part #6407116800), the exterior meeting rail (Part #6409116800), the bottom sash stiles (Part #6408116800) and the top sash stiles (Part #6401116800).

Installation: The window was installed into a SPF #2 wood buck. The integral nailing flange was set into a bed of silicone, and secured with #8 x 1-1/4" drywall screws, 1" from each corner and 9" on center.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: (H-R25 48 x 78)			
2.2.1.6.1	Operating Force	26 lbs max.	30 lbs max.
2.1.2	Air Infiltration (ASTM E 283-91) @ 1.56 psf (25 mph)	0.15 cfm/ft^2	0.3 cfm/ft^2 max.

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

2.1.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the interior sash stile during positive loads and exterior meeting rail during negative loads) (Loads were held for 52 seconds)		
	@ 15.0 psf (positive)	0.28"	See Note #2
	@ 15.0 psf (negative)	0.32"	See Note #2

Note #2: The Uniform Load Deflection test is not an AAMA/NWWDA 101/I.S.2-97 requirement for this product designation. The data is recorded in this report for information only.

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the interior sash stile after positive loads and exterior meeting rail after negative loads) (Loads were held for 10 seconds)		
	@ 22.5 psf (positive)	<0.01"	0.15" max.
	@ 22.5 psf (negative)	<0.01"	0.18" max.

Test Results:

Test Specimen #1: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987-88) In operating direction at 70 lbs		
	Interior sash bottom rail	0.11"/22%	0.500"/100%
	Interior sash meeting rail	0.11"/22%	0.500"/100%
	Exterior sash top rail	0.13"/26%	0.500"/100%
	Exterior sash meeting rail	0.13"/26%	0.500"/100%
	In remaining direction at 50 lbs		
	Interior sash left stile	0.07"/14%	0.500"/100%
	Interior sash right stile	0.07"/14%	0.500"/100%
	Exterior sash left stile	0.06"/12%	0.500"/100%
	Exterior sash right stile	0.08"/16%	0.500"/100%
2.1.7	Welded Corner Test	Meets as stated	Meets as stated
2.1.8	Forced Entry Resistance (ASTM F 588-97-97)		
	Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the interior sash stile during positive loads and exterior meeting rail during negative loads) (Loads were held for 52 seconds)		
	@ 25.0 psf (positive)	1.24"	See Note #2
	@ 25.0 psf (negative)	0.56"	See Note #2
4.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the interior sash stile during positive loads and exterior meeting rail after negative loads) (Loads were held for 10 seconds)		
	@ 37.5 psf (positive)	0.05"	0.15" max.
	@ 37.5 psf (negative)	0.02"	0.18" max.

Test Results: (Continued)

Test Specimen #2: (H-R50* 36 x 74)

Paragraph	Title of Test - Test Method	Results	Allowed
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 8.25 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the interior sash stile during positive loads and exterior meeting rail during negative loads) (Loads were held for 52 seconds)		
	@ 50.0 psf (positive)	0.46"	See Note #2
	@ 50.0 psf (negative)	0.32"	See Note #2
4.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the interior sash stile after positive loads and exterior meeting rail after negative loads) (Loads were held for 10 seconds)		
	@ 75.0 psf (positive)	0.03"	0.14" max.
	@ 75.0 psf (negative)	0.01"	0.13" max.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced except in full without the approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC:

Scott Gill
Technician

David A. Kranz
Director - Product/Physical Testing

SG:baw
01-41037.02

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 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 1609 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

☑ ☐ d) Location, size and height above roof of chimneys.
☑ ☐ e) Location and size of skylights
☑ ☐ f) Building height
☑ ☐ e) Number of stories

Floor Plan including:

☑ ☐ a) Rooms labeled and dimensioned.
☑ ☐ b) Shear walls identified.
☑ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
☑ ☐ d) Show safety glazing of glass, where required by code.
☑ ☐ e) Identify egress windows in bedrooms, and size.
☑ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
☑ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☑ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
☑ ☐ b) All posts and/or column footing including size and reinforcing
☑ ☐ c) Any special support required by soil analysis such as piling
☑ ☐ d) Location of any vertical steel.

Roof System:

☑ ☐ a) Truss package including:
1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☑ ☐ b) Conventional Framing Layout including:
1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☑ ☐ a) Masonry wall
1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

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

Floor Framing System:

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

☑ ☐ b) Floor joist size and spacing

☑ ☐ c) Girder size and spacing

☑ ☐ d) Attachment of joist to girder

☑ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

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

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

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

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

☑ ☐ f) Appliances and HVAC equipment

☑ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☑ ☐ h) Exhaust fans in bathroom

HVAC information

☑ ☐ a) Energy Calculations (dimensions shall match plans)

☑ ☐ b) Manual J sizing equipment or equivalent computation

☑ ☐ c)Gas System Type (LP or Natural) Location and BTU demand of equipment

☑ ☐ **Disclosure Statement for Owner Builders**

☑ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done

☑ ☐ **Private Potable Water**

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval: If the project is to be located within the city limits of the Town of Fort White,** prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. **(386) 497-2321**

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is **$50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)**. All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____ **Project Name:** _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	~~[illegible]~~ BetterBuilt		FL 20
2. Sliding			
3. Sectional			
4. Roll up			FL 697
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	BetterBilt	~~Better Bilt~~ Doubleglaze Insul.	FL663.18
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	VisionPro		FL 1139
2. Soffits			FL 1146
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Owens Corning	Asphalt Fiberglass	FL 673
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

Print Name Date

Location

Permit # **(FOR STAFF USE ONLY)**

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

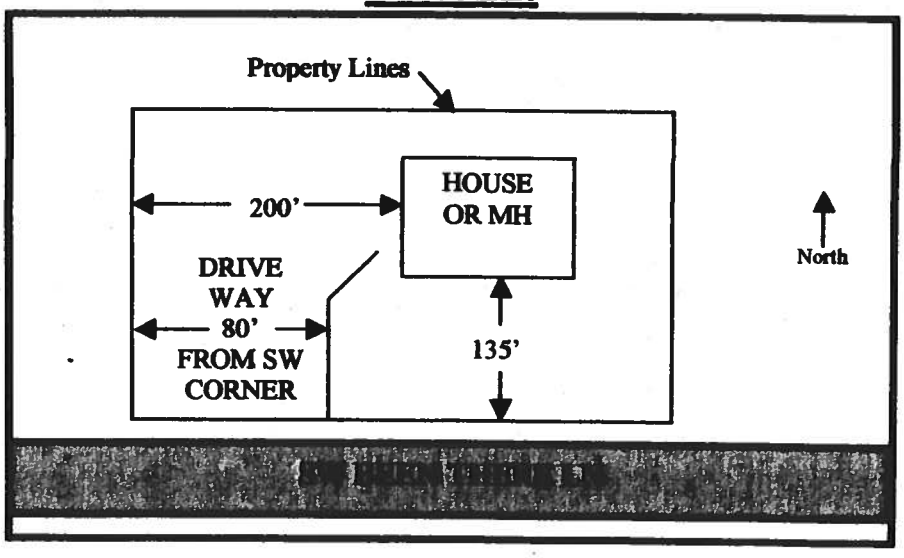
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
   a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
   b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
   c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

Intertek
ETL SEMKO

Certificate Of Validation

This confirms that Intertek has reviewed structural load test data and documentation for the product line listed below and performed the validation checklist in accordance with Florida Administrative Rule 9B-72. The appropriate COP/Test Report Validation Matrix provides correlation information for each product model reviewed such as the test lab report numbers, performance values, and installation information.

Florida Statewide Approval: #FL20
Manufacturer: Masonite International
Product Line: Fiberglass Door Units

Intertek Validation Matrix: #3026447A-003
#3026447B-003
#3026447C-003

Signed: Nancy Kotsch
Title: *Program Manager*

Intertek is an approved 3rd Party Validation Entity by the State of Florida (#VAL 1516)

Masonite®

Masonite International Corporation

TECHNICAL ADVISORY

To: Building Code Official
Authority Having Jurisdiction

Date: March 3, 2003

From: Kenneth R. Imhoff
Sr. Project Manager – Exterior Door Products
kimhoff@masonite.com
615/441-4255 office
813/335-4171 mobile
615/446-7229 fax

CC: Michael Bryson – American Door & Millwork (407/321-1052)
Ryan Berry

Subject: Company Profile – Masonite / Premdor

Masonite / Premdor Exterior Door Products represents several brands of steel, fiberglass & patio door units supplied to the Florida market. In an effort to clarify the parent company & the corresponding brands that code administrator's may see I have provided a brief recap of our history.

Premdor Incorporated, a global building products company with its Corporate Headquarters in Mississauga, Ontario (Canada) and its International Administrative Offices in Tampa, Florida. On August 31, 2001 Premdor announced that it has completed the acquisition of Masonite Corporation from International Paper Company. Effective January 1, 2002 the name of the combined company was changed to **Masonite International (www.masonite.com).**

Masonite / Premdor exterior door unit components are supplied under the following brand names for assembly and distribution in the Florida market:

ArTek™	Castlegate™	Celco™	Colorado™
Décor™	Entergy™	Evergreen™	Johnson™
Monterrey™	Oakcraft™	PremVU™	Span-Rite™
Specialty™		Royal Mahogany Products™	

If you have additional questions or require additional information as a condition of proceeding with the use of this product in the building permit process please contact me using the information proved above.

Respectfully Submitted,

Kenneth R. Imhoff

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Premdor Entry Systems
One Premdor Drive
Dickson ,TN 37055

Your application for Notice of Acceptance (NOA) of:
Fiberglass Door- Inswing - Opaque In a Wood Frame
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-1031.01
EXPIRES: 11/16/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 12/11/2001

Premdor Entry Systems

ACCEPTANCE No.: 01-1031.01

APPROVED: December 11, 2001

EXPIRES: November 16, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews Notice of Acceptance (NOA) No. 98-0223.07, which was issued on November 16, 2000. It renews the approval of a residential insulated fiberglass door, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The **Inswing Opaque Single Residential Insulated Fiberglass** Door and its components shall be constructed in strict compliance with the following document: Drawing No **31-1033-I**, Sheets 1 through 4 of 4, titled "Premdor 3' 0" x 6' 8" (Fiberglass) Door w/Bumper Threshold in Wood Frame (Inswing)," prepared by manufacturer, dated 1/27/98 and revised on 10/18/00, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications of single, as shown in approved drawings.

3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

4.1 The residential insulated fiberglass door and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters): The installation of these units will require a hurricane protective system.

5. LABELING

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

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Raul Rodriguez, Chief
Product Control Division

Premdor Entry Systems

ACCEPTANCE No.: 01-1031.01

APPROVED: December 11, 2001

EXPIRES: November 16, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
   a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
   b) The product is no longer the same product (identical) as the one originally approved;
   c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
   d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
   a) Unsatisfactory performance of this product or process.
   b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

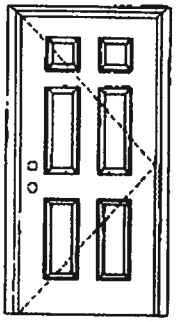
Raul Rodriguez, Chief
Product Control Division

X
Opaque Outswing Unit

COP-WL-MA0121-02

FIBERGLASS DOORS

APPROVED ARRANGEMENT:



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

Test Data Review Certificate #3026447A; #3026447B; #3L26447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.oltsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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

Design Pressure
+76.0/-76.0
limited water unless special threshold design is used.

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

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

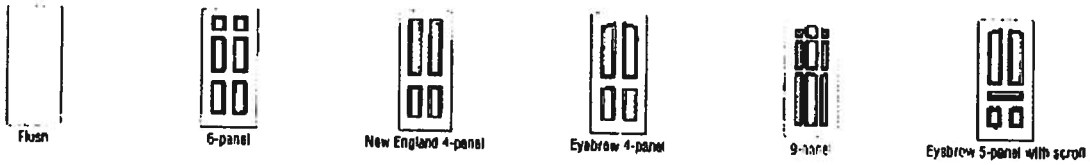
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0011-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:



Oakcraft Wood-Grain Textured FIBERGLASS ENTRY DOORS

ARTEK Non-Textured Fiberglass Entry Doors

March 10, 2003
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Masonite

X
Opaque Outswing Unit

COP-WL-MA0121-02

FIBERGLASS DOORS

CERTIFIED TEST REPORTS:

NCTL 210-1973-1, 2, 3

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

CTLA-1051W

Certifying Engineer and License Number: Ramesh Patel, P.E./20224

Unit Tested in Accordance with Miami-Dade BCCO PA202, ASTM E1886 and ASTM E1996

Door panels constructed from 0.075" minimum thick fiberglass skins. Both stiles constructed of 1-5/8" laminated lumber. Top end rails constructed of 31/32" wood. Bottom end rails constructed of 31/32" wood composite. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH MIAMI-DADE BCCO PA201, PA202 & PA203 OR ASTM E1886, MIAMI-DADE PA202, AND ASTM E1886
COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

Test Data Review Certificate #3026447A, #3026447B, #3026447C and COF/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Oakcraft Wood-Grain Textures Fiberglass Entry Doors

ARTEK Non-Textured Fiberglass Entry Doors

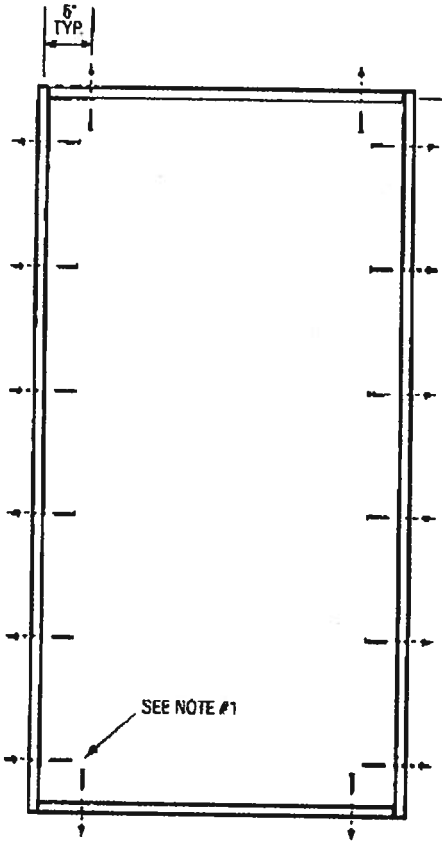
March 10, 2003
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Masonite

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 2 per horizontal framing member

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

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.wthamiro.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0246*, 0268*, 3241*, 3246, 3261* or 3266**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Masonite®

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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 740/744/3740
TYPE: Aluminum Single Hung Window with Nail Fin

Title of Test	Results
Rating	H_R45 52 x 72
Overall Design Pressure	45 psf
Operating Force	24 lb max.
Air Infiltration	0.10 cfm/ft^2
Water Resistance	6.75 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-40351.05 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess

Mark A. Hess, Technician

MAH:baw

Allen M. Reuss
20 MARCH 2002

Architectural Testing

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

Rendered to

MI HOME PRODUCTS, INC.
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-40351.05
Test Dates: 10/22/01
And: 10/23/01
Report Date: 03/20/02
Expiration Date: 10/23/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness performance testing on a Series/Model 740/744/3740, aluminum single hung window at MI Home Products, Inc.'s test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R45 52 x 72 rating.

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

Test Specimen Description

Series/Model: 740/744/3740

Type: Aluminum Single Hung Window With Nail Fin

Overall Size: 4' 4-1/8" wide by 5' -5/8" high

Active Sash Size: 4' 2-3/4" wide by 2' 11-5/8" high

Fixed Daylight Opening Size: 4' 1-1/8" wide by 2' 9" high

Screen Size: 4' 1-7/8" wide by 2' 11-5/16" high

Finish: All aluminum was polished.

Glazing Details: The active sash and fixed lite were glazed with one sheet of 1/8" thick clear tempered glass. Each sash was channel glazed using a flexible vinyl gasket.

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

Allen M. Reuss
20 MARCH 2002

Test Specimen Description: (Continued)

Weatherstripping

Description	Quantity	Location
0.330" high by 0.187" backed polypile with center fin	Row	Fixed meeting rail interlock
0.170" high by 0.187" backed polypile with center fin	1 Row	Fixed lite, stiles and top rail
3/8" diameter hollow bulb gasket	1 Row	Bottom rail
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash stiles
0.150" high by 0.187" wide polypile	Row	Active sash stiles

Frame Construction: All frame members were constructed of extruded aluminum with coped, butted and sealed corners fastened with two screws each. Fixed meeting rail was secured utilizing one screw in each end directly through exterior face into jamb. Silicone was utilized around exterior meeting rail/jamb joinery.

Sash Construction: All sash members were constructed of extruded aluminum with coped and butted corners fastened with one screw each.

Screen Construction: The screen frame was constructed from roll-formed aluminum members with plastic keyed corners. The screening consisted of a fiberglass mesh and was secured with a flexible vinyl spline.

Hardware

Description	Quantity	Location
Plastic tilt latch	2	One each end of the interior Meeting rail
Metal sweep lock	2	13" from meeting rail ends
Balance assembly	2	One per jamb
Screen tension spring	2	One per end of screen stile
Tilt pin	2	One each end of bottom rail

Allen N. Reuss
20 MARCH 2002

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized

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

Test Results:

The results are tabulated as follows

Paragraph	Title of Test - Test Method	Results	Allowed
2.2 .6.1	Operating Force	24 lbs	30 lbs max.
	Air Infiltration (ASTM E 283) @ 1.57 psf (25 mph)	0.10 cfm/ft^2	0.30 cfm/ft^2 max

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

	Water Resistance (ASTM E 547-96) (with and without screen) WTP = 6.75 psf	No leakage	No leakage
2.1.4	Uniform Load Deflection per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads were held for 52 seconds)		
	@ 15.0 psf (positive)	0.86"*	0.29" max
	@ 15.0 psf (negative)	0.81"*	0.29" max

*Note: * Exceeds L/175 for deflection, but meets all other test requirements*

2 .4.2	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 22.5 psf (positive)	0.01"	0.20" max.
	@ 22.5 psf (negative)	<0.01"	0.20" max.
2.2.1.6.2	Deglazing Test per ASTM E 987 In operating direction at 70 lbs		
	Top rail	0.06"/12%	0.50"/100%
	Bottom rail	0.06"/12%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.03"/6%	0.50"/100%
	Right stile	0.03"/6%	0.50"/100%

Allen N. Rees
2nd MARCH 2002

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
	Forced Entry Resistance per ASTM F 588-97		
	Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
	Optional Performance		
	Uniform Load Deflection per ASTM E 330 (Measurements reported were taken on the meting rail) (Loads were held for 52 seconds)		
	@ 45.0 psf (positive)	0.91"*	0.29" max
	@ 45.0 psf (negative)	0.97"*	0.29" max
	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads held for 10 seconds)		
	@ 67.5 psf (positive)	0.14"	0.20" max
	@ 67.5 psf (negative)	0.19"	0.20" max.
	@ 70.8 psf (negative)	0.20"	0.20" max.

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

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC

Mark A. Hess
Technician

Allen N. Reeves, P.E.
Director - Engineering Services
20 MARCH 2002

MAH:baw
01-40351.05

WeatherGuard® 40 AR
High Wind 110

Dramatic Design

Add dramatic appeal to your architecture with nature's richest colors and deepest shadows featured in *WeatherGuard* 40 AR High Wind 110 dimensional shingles.

Distinct color blends and double shadows create rich dimension resembling the textured look of shake.

WeatherGuard AR High Wind 110 Hip & Ridge adds character to today's most sophisticated roofs. Unique construction provides the ultimate in dimension and style, complementing the overall appearance of the roof and your home.

LIMITED PERFORMANCE 40 YEAR PRODUCT WARRANTY — 10 YR. ALGAE RESISTANCE LIMITED WARRANTY

Product Specifications

***WeatherGuard* 40 AR High Wind 110 Shingles**	
Nominal size	13 ¼" x 39 ⅜"
Exposure	5 ⅝"
Shingles per square	64
Bundles per square	4
Coverage per square	98.4 sq ft

***WeatherGuard* AR High Wind 110 Hip & Ridge**	
Size	12" x 12"
Exposure	8"
Pieces per box	32
Lineal coverage per box, ft	21.3

Tested for Excellence

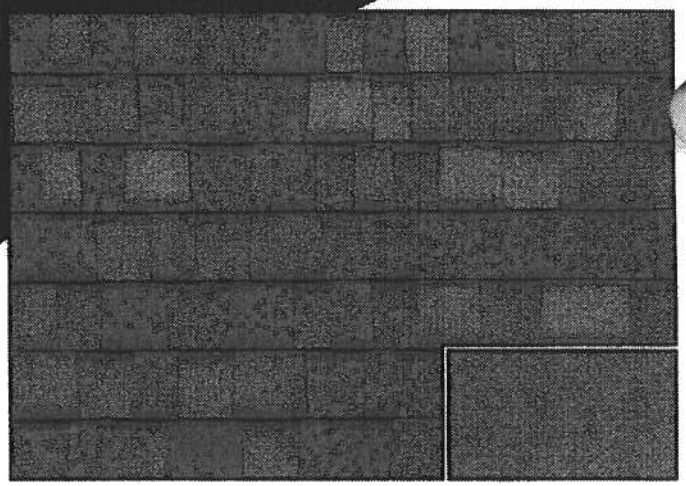
All Owens Corning shingles are heavily tested to meet or exceed applicable standards measuring fire coverage and wind resistance.

Applicable Standards & Codes

ASTM D 3462
ASTM E 108, Class A
ASTM D 3161
ASTM D 3018, Type I
ASTM D 228
UL 790, Class A
UL 997
Florida Building Code

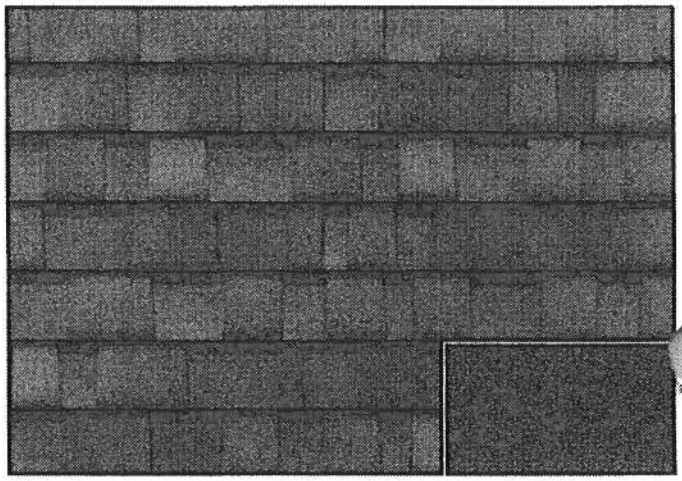
Plant Service Areas:

2. Jessup, MD
3. Jacksonville, FL
6. Atlanta, GA



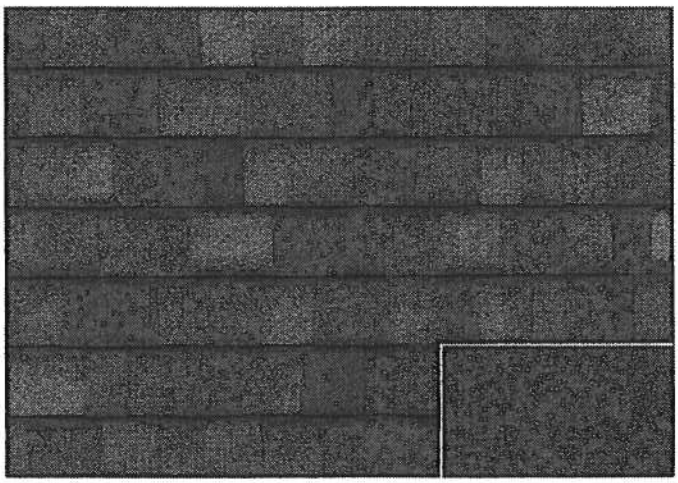
Driftwood

Use Driftwood WeatherGuard® AR High Wind 110 Hip & Ridge



Quarry Gray

Use Quarry Gray WeatherGuard AR High Wind 110 Hip & Ridge



Estate Gray

Use Estate Gray WeatherGuard AR High Wind 110 Hip & Ridge

It Just Might Take Your Neighborhood by Storm.

Extreme Performance

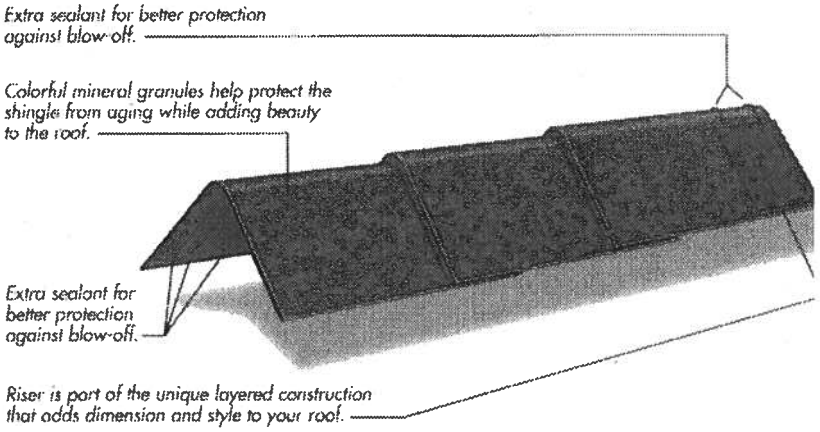
Performance you can count on, year after year, in winds up to 110 MPH. That's what you get with the new *WeatherGuard* 40 AR High Wind 110 shingles and *WeatherGuard* AR High Wind 110 Hip & Ridge.

When installed together, *WeatherGuard* 40 AR High Wind 110 shingles and *WeatherGuard* AR High Wind 110 Hip & Ridge qualify you for a 10-year 110 MPH Wind Resistance Limited Warranty.*

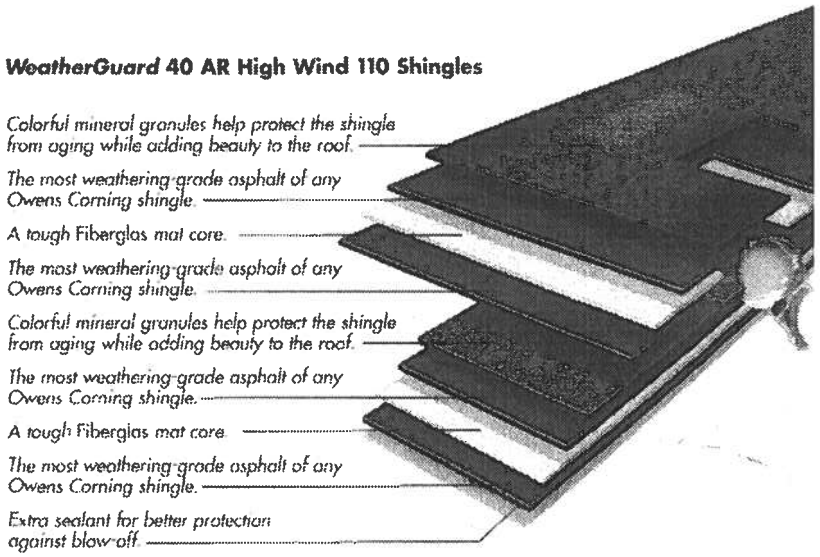
Both *WeatherGuard* 40 AR High Wind 110 shingles and *WeatherGuard* AR High Wind 110 Hip & Ridge come with:

- An enhanced sealant system to better protect your roof against wind blow-off and provide a superior bond.
- A 10-year Algae Resistance Limited Warranty.*
- A 40-year limited warranty.*
- High-performance weathering-grade asphalt to protect your roof from moisture.
- Fiberglas® mat for structural durability, greater resistance to fire and maximum performance.
- UL Class A Fire Rating – the industry's highest rating.
- Enhanced warranty protection and extended period of non-prorated Tru PROtection® coverage of 15 years available for the *WeatherGuard* AR High Wind 110 System with optional System Advantage® Limited Warranty.*

WeatherGuard AR High Wind 110 Hip & Ridge

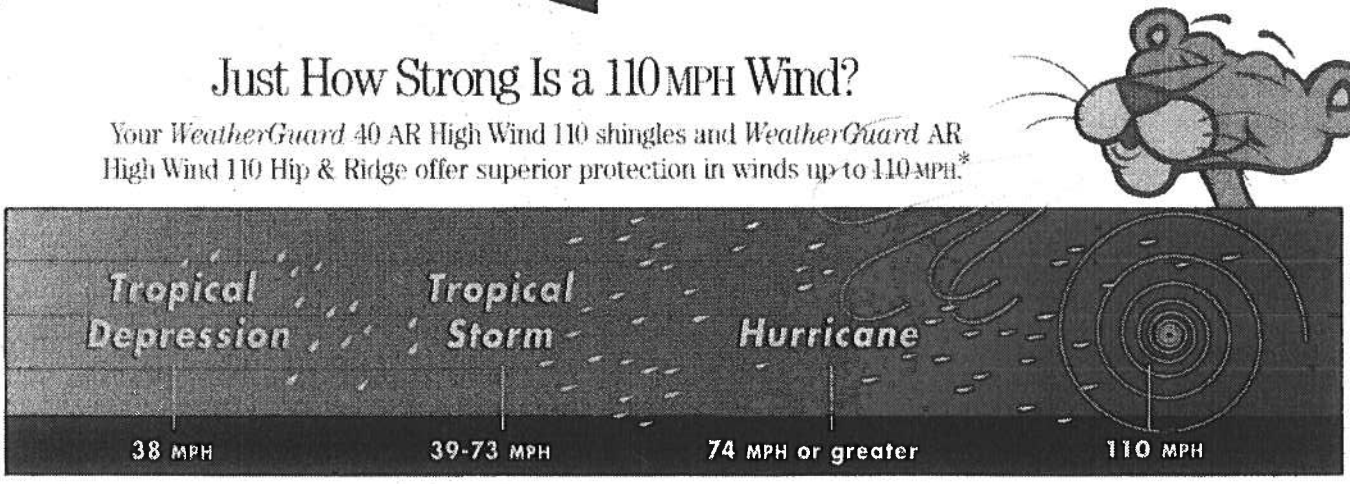


WeatherGuard 40 AR High Wind 110 Shingles



Just How Strong Is a 110 MPH Wind?

Your *WeatherGuard* 40 AR High Wind 110 shingles and *WeatherGuard* AR High Wind 110 Hip & Ridge offer superior protection in winds up to 110 MPH.*



*See actual warranty for details, limitations and requirements

Source: National Weather Service

WeatherGuard® 40 AR

High Wind 110 – Exceptional Beauty That Withstands the Wind.

WeatherGuard® 40 AR High Wind 110 shingles and *WeatherGuard* AR High Wind 110 Hip & Ridge are specially designed to work together to withstand winds of up to 110 MPH, and yet still add drama and depth to your home's architecture.

When installed together, *WeatherGuard* 40 AR High Wind 110 shingles and *WeatherGuard* AR High Wind 110 Hip & Ridge qualify you for the protection of Owens Corning's 10-year *WeatherGuard* High Wind 110 Wind Resistance Limited Warranty.*

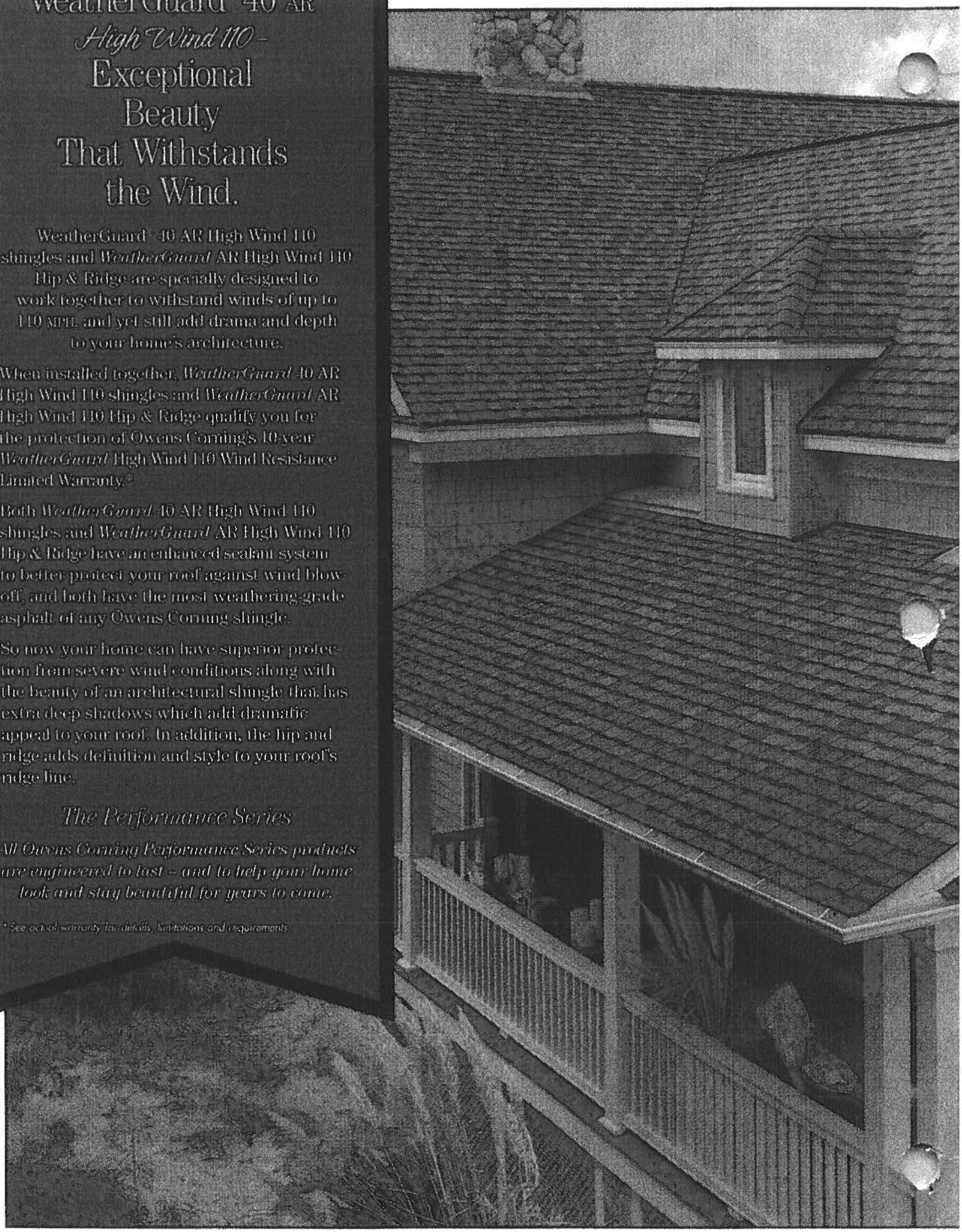
Both *WeatherGuard* 40 AR High Wind 110 shingles and *WeatherGuard* AR High Wind 110 Hip & Ridge have an enhanced sealant system to better protect your roof against wind blow-off, and both have the most weathering-grade asphalt of any Owens Corning shingle.

So now your home can have superior protection from severe wind conditions along with the beauty of an architectural shingle that has extra deep shadows which add dramatic appeal to your roof. In addition, the hip and ridge adds definition and style to your roof's ridge line.

The Performance Series

All Owens Corning Performance Series products are engineered to last – and to help your home look and stay beautiful for years to come.

*See actual warranty for details, limitations and requirements.



Estate Gray

RESIDENTIAL HEATING AND COOLING REQUIREMENTS*

HVAC WORKSHEET FOR WATT-WISE LIVING

HEATING AND COOLING REQUIREMENTS DUE TO GLASS AREA

WINDOWS & GLASS DOORS	AREA SQUARE FEET	HEATING MULTIPLIER (CIRCLE ONE) DESIGN TEMPERATURE DIFFERENCE 30°	35°	40°	45°	50°	HEATING (BTUH LOSS)
Glass Doors, Infiltration less than 1.0 CFM/FT							
Single Glass		50	60	70	75	85	
Double Glass		40	45	50	55	60	
Other Sliding Glass Doors							
Single Glass		75	85	100	115	125	
Double Glass		60	70	80	90	100	
Windows, Infiltration less than 0.50 CFM/FT							
Single Glass		40	50	55	60	70	
Double Glass	117	25	30	(35)	40	45	
Windows, Infiltration less than 0.75 CFM/FT							
Single Glass		45	50	60	65	75	
Double Glass		30	35	40	45	50	
Other Windows							
Single Glass		75	90	105	115	130	
Double Glass		60	70	80	90	105	
Fixed or Picture Windows							
Single Glass		40	50	55	60	70	
Double Glass		25	30	35	40	45	
Other							
Total BTUH Loss (Enter on Line 2, Page 2)							4095

WINDOWS & GLASS DOORS	AREA SQUARE FEET	COOLING MULTIPLIER (CIRCLE) SINGLE GLASS 90° C	T	R	95° C	T	R	DOUBLE GLASS 90° C	T	R	95° C	T	R	COOLING (BTUH GAIN)
No Shading														
N		30	22	20	30	26	25	20	14	13	25	17	16	
NE & NW		60	41	36	65	45	41	50	29	24	50	32	27	
E & W		85	60	53	90	64	57	70	44	36	75	47	39	
SE & SW		75	51	45	80	55	50	60	37	30	65	40	33	
S		45	31	28	50	35	33	35	21	18	40	24	21	
Draperies or Blinds														
N	15	20	17	16	25	21	20	15	11	11	(20)	14	14	300
NE & NW		35	33	30	40	37	34	30	22	21	35	25	24	
E & W	102	55	48	43	55	52	47	45	32	30	(60)	35	33	5100
SE & SW		45	39	35	50	43	39	40	26	25	40	29	28	
S		30	26	24	30	30	28	25	17	16	25	20	19	
Roller Shades														
N		25	19	17	25	23	22	20	12	11	20	15	14	
NE & NW		45	36	32	50	40	37	40	26	22	45	29	25	
E & W		65	53	47	70	57	51	55	37	32	60	40	35	
SE & SW		55	44	39	60	48	44	50	32	27	50	35	30	
S		35	28	25	40	32	30	30	20	16	35	23	19	
Awnings, Porches, Etc.														
All Directions		25	22	20	30	26	25	15	14	13	20	17	16	
Other														
Total BTUH Gain (Line 2, Page 2)														5400

*REFERENCE A.C.C.A. MANUAL ....

Prepared By: _____

TOTAL HEATING AND COOLING REQUIREMENTS

Page 2

For:

Name: STEWART Residence

Address: _____

City: _____

Const. Type	ITEM			AREA SQUARE FEET	DESIGN TEMPERATURE DIFFERENCE 30°	35°	40°	45°	50°	HEATING (BTUH LOSS)	DESIGN TEMP 90°	95°	COOLING (BTUH GAIN)
	Gross Wall Area			880									
	Glass Area (From page 1)			117						4098			5400
	Partitions, Frame												
	Finished 1 side, No Insulation				17	19	22	25	28		6.5	10.0	
	Finished 2 sides, No Insulation				9	11	12	14	16		4.5	6.0	
	Finished 2 sides, R-5				4	5	5.5	6	7		2.5	3.5	
	Finished 2 sides, R-11			208	2	3	(3)	4	4	624	2.0	(2.5)	520
	Other												
	Doors (Excluding glass)												
	No weatherstripping				135	160	180	200	225		10.0	13.0	
	Weatherstripped				70	85	95	110	120		10.0	13.0	
	R-5 Insulation, No weatherstripping				123	144	164	185	205		4.3	5.5	
	R-5 Insulation, weatherstripping			40	68	79	(90)	101	113	3600	4.0	(5.0)	200
	Other												
	Net Exterior Walls												
	CBS Furred, No Insulation				9	10	12	13	14		4.5	6.0	
	CBS Furred, R-3 Insulation				5	6	7	8	8		3.0	4.2	
	CBS Furred, R-4 Insulation				4	5	6	6	7		2.7	3.8	
	CBS Furred, R-5 Insulation				4	5	5	6	6		2.5	3.5	
	Frame, No Insulation				8	9	10	11	13		5.5	7.0	
	Frame, R-11 Insulation			763	2	2	(3)	3	4	2289	2.5	(3.0)	2289
	Frame, R-14 Insulation				1.5	1.7	2	2.5	3		2	2.8	
	Other												
	Ceiling under attic	Roof											
	No Insulation	DK	LT		18	21	24	27	30		9 7	10 8.5	
	R-11 Insulation	DK	LT		2.4	2.8	3.2	3.5	3.9		2.5 2	3 2.5	
	R-19 Insulation	DK	LT		1.5	1.7	1.9	2.2	2.4		1.5 1.5	2 1.5	
	R-22 Insulation	DK	LT		1.2	1.5	1.7	1.9	2.1		1.5 1.0	1.5 1.5	
	R-26 Insulation	DK	LT		1.1	1.3	1.4	1.6	1.8		1.3 1	1.5 1.2	
	R-30 Insulation	(DK)	LT	997	1	1.1	(1.3)	1.4	1.6	1296	1.1 .9	(1.3) 1.0	1296
	Other												
	Floor, Concrete Slab			Perimeter Ft.									
	No Edge Insulation			110	35	40	40	45	45	4400	0	0	
	Other												
	Subtotal									16304			9705
	People @ 300 & Appl. @ 1200												5700
	Sensible BTUH Gain												
	Duct BTUH Loss & Gain									16304			15405
	2 In. Flex. or 1 In. Rigid						.10			1630		.10	1541
	1½ In. Rigid						.075					.075	
	Total BTUH Loss									17934			
	Subtotal BTUH Gain												16996
	x 1.3 = Total BTUH Gain												22030

Calculated Heating Requirements 17934 BTUH

Size of Unit Chosen 24,000 BTUH

Oversized _____

Undersized _____

Calculated Cooling Requirements 22030 BTUH

Size of Unit Chosen 24000 BTUH

% Oversized _____

% Undersized _____

HOLMES GARAGE DOOR COMPANY®

customer Special Order service

SOS Item No.: 89087
Lead Time: 24 Days

GARAGE DOORS

LOWE'S Improving Home Improvement®

LOWE'S RESIDENTIAL RETAIL PRICING *WINDCODE*® W3-W8

Florida Selection Chart

Follow the 5 Easy Steps Below to Select Your Door, then have it Professionally Installed*

* Due to the complexity of installing WINDCODE doors, meeting codes and pulling permits, we highly recommend professional installation (see shaded box at bottom).

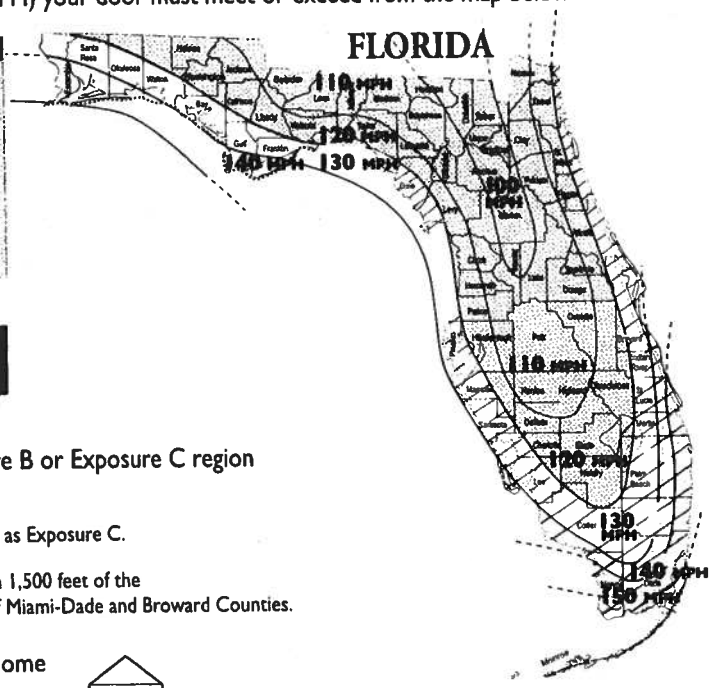
Choosing the Right WINDCODE® Door

1 Determine the minimum Wind Speed (MPH) your door must meet or exceed from the map below

WINDOW AVAILABILITY CHART

Zone 1	Zone 2	Zone 3
140-150 MPH	130 MPH	100-120 MPH
☐ All window options available*	☐ All window options available	☐ All window options available
☑ If home was built before March 1, 2002 - All window options available*	☑ If home was built before March 1, 2002 - All window options available	
☑ If home was built after March 1, 2002 - No window options available due to code restrictions	☐ If home was built after March 1, 2002 - No window options available due to code restrictions	

* Windows MAY available in Miami-Dade or Broward Counties



This map is used as a guideline only. Contact your local building official for code details and building permit information.

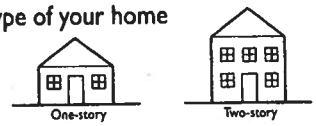
2 Determine if your home is in an Exposure B or Exposure C region (defined by Florida Building Code)

Exposure B is all other inland areas not defined as Exposure C.

Exposure C is defined as an area that lies within 1,500 feet of the coastal "high tide line", all barrier islands, and all of Miami-Dade and Broward Counties.

3 Determine the Structural Type of your home

Structural Type



4 Using Wind Speed (MPH), Exposure and Structural Type, find your WINDCODE "W" rating in charts below

Exposure B

Structural Type	100 MPH	110 MPH	120 MPH	130 MPH	140MPH	150 MPH
One-story	W3	W3	W4	W5	W6	W7
Two-story	W3	W3	W4	W5	W6	W7

Exposure C

Structural Type	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH*	146 MPH*	150 MPH
One-story	W3/W4	W4	W5	W6	W7	W7	W8
Two-story	W4	W5	W6	W7	W7	W8/W9	W8/W9

* Broward County is 140 MPH and Miami-Dade County is 146 MPH, Exposure C only.

FOR ASSISTANCE CALL 1-877-266-8490 FAX 1-800-526-1618

(subject to change without notice)

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

24389

Date: MAY 23, 2006

188 S.W. MARY TERRACE — LAKE CITY

(Address of Treatment or Lot/Block of Treatment) — City

Florida Pest Control & Chemical Co.

www.flapest.com

Product to be used: Bora-Care Termiticide (Wood Treatment)

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1

(Information to be provided to local building code offices prior to concrete foundation installation.)

6/05 ©

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SUC487-Z0201131807

Truss Fabricator:	Anderson Truss Company
Job Identification:	6-051-NORMA STEWART
Truss Count:	2
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.22.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 02/01/2006

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

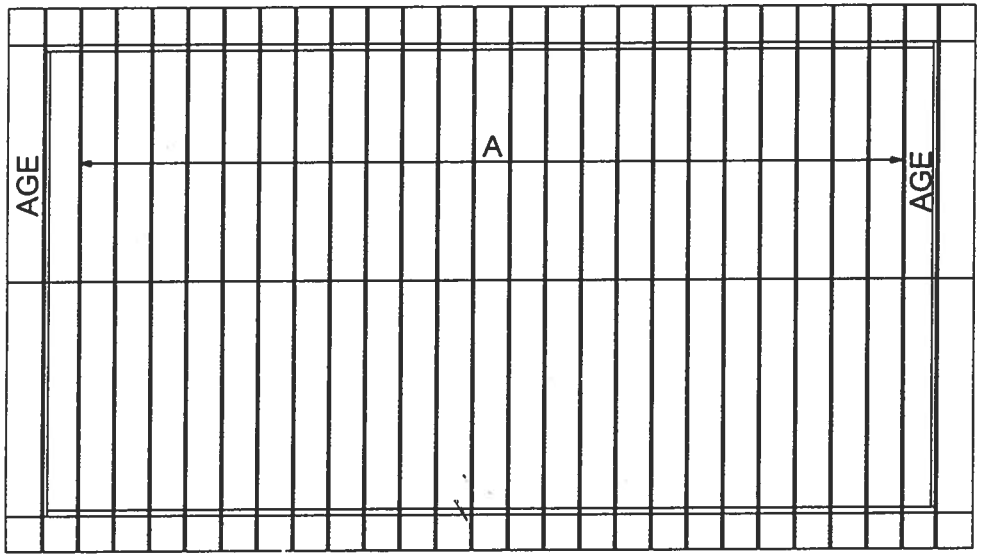
Notes:

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

Details: A11015EE-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	99190--A		06032051	02/01/06
2	99191--AGE		06032052	02/01/06

365-3436 - Charles Stewart



NORMA STEWART

Roof Plane Sheathing Area = 1755 sq. ft
Gable Sheathing Area = 158 sq. ft
Total Sheathing Area = 1913 sq. ft
Fascia Material = 173 linear ft
Ridge Cap Material = 54 linear ft

Scale: 3/32" = 1'

JOB LOCATION:

JOB DESCRIPTION: NORMA STEWART

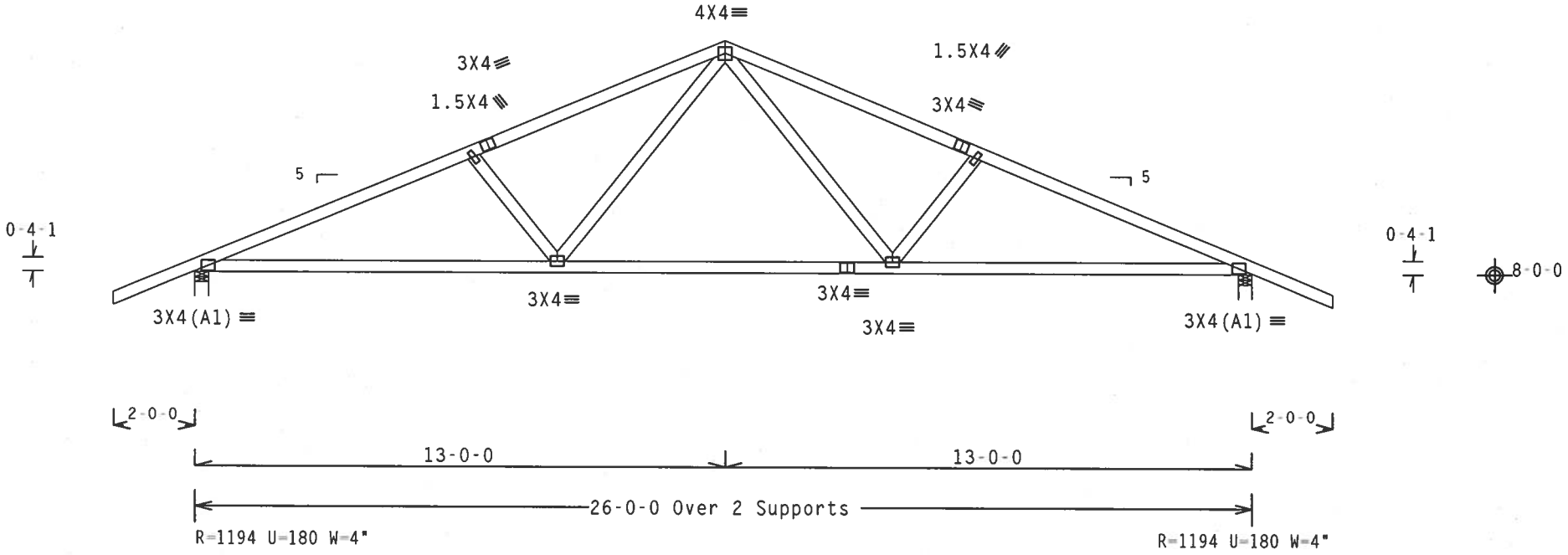
DESIGNED BY: SHAWN ANDERSON

JOB NO: 6-051

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.25(1.25)/0(0) 7.22.11 QTY:24 FL/-/3/-/-/R/- Scale =.25"/Ft.

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

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

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

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 01 06

TC LL	20.0 PSF	REF R487-- 99190
TC DL	10.0 PSF	DATE 02/01/06
BC DL	10.0 PSF	DRW HCUSR487 06032051
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 21329
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SUC487_Z02

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

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

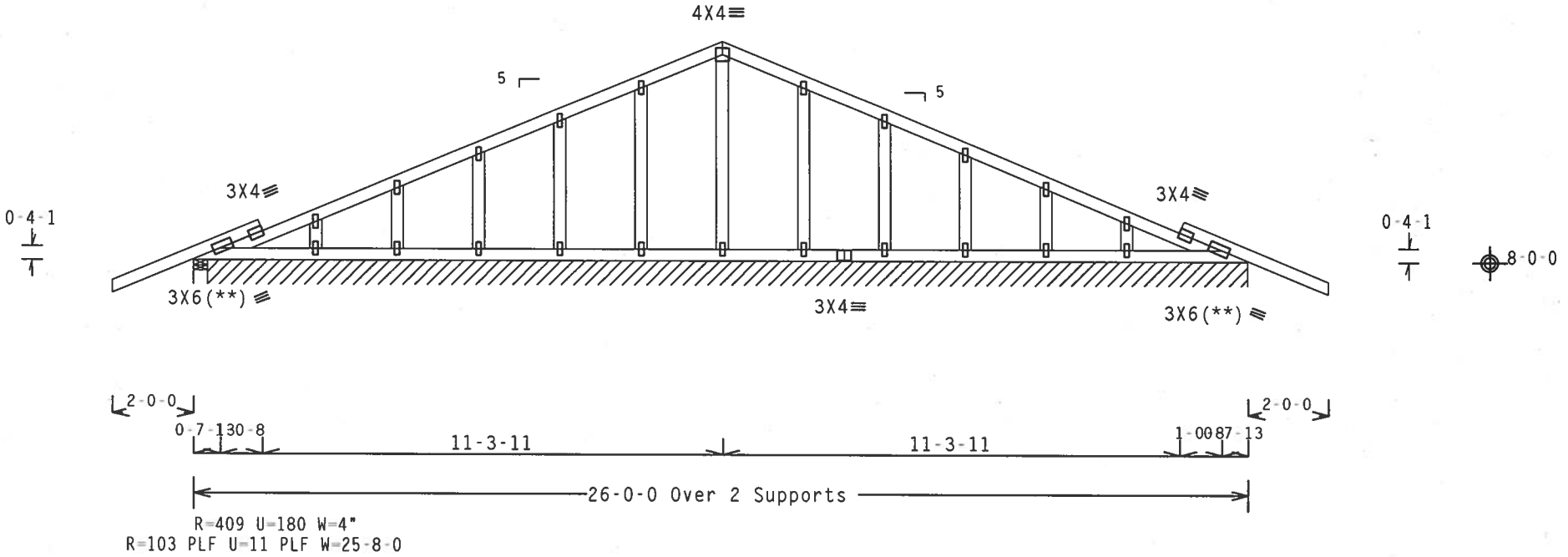
TC	From	84 PLF	at	13.00	to	84 PLF at 28.00
BC	From	4 PLF	at	-2.00	to	4 PLF at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF at 26.00
BC	From	4 PLF	at	26.00	to	4 PLF at 27.07
BC	From	4 PLF	at	27.07	to	4 PLF at 28.00

(**) Plate relocated as shown.

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

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.25(1.25)/0(0) 7.22.1 QTY:2 FL/-/3/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No.39687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 01,06

TC LL	20.0 PSF	REF	R487-- 99191
TC DL	10.0 PSF	DATE	02/01/06
BC DL	10.0 PSF	DRW	HCUSR487 06032052
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	21339
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SUC487_Z02

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

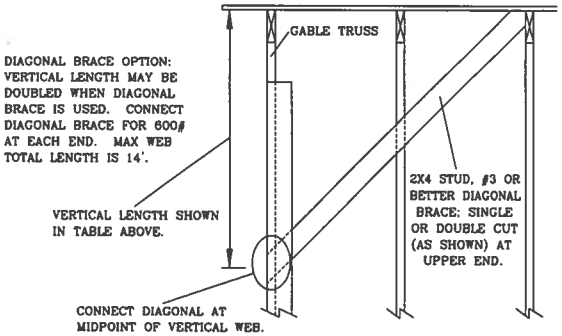
SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD

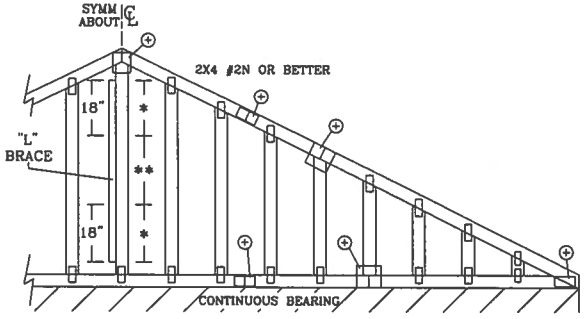
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

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

"L" BRACING MUST BE A MINIMUM OF 60% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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MAX. TOT. LD. 60 PSF

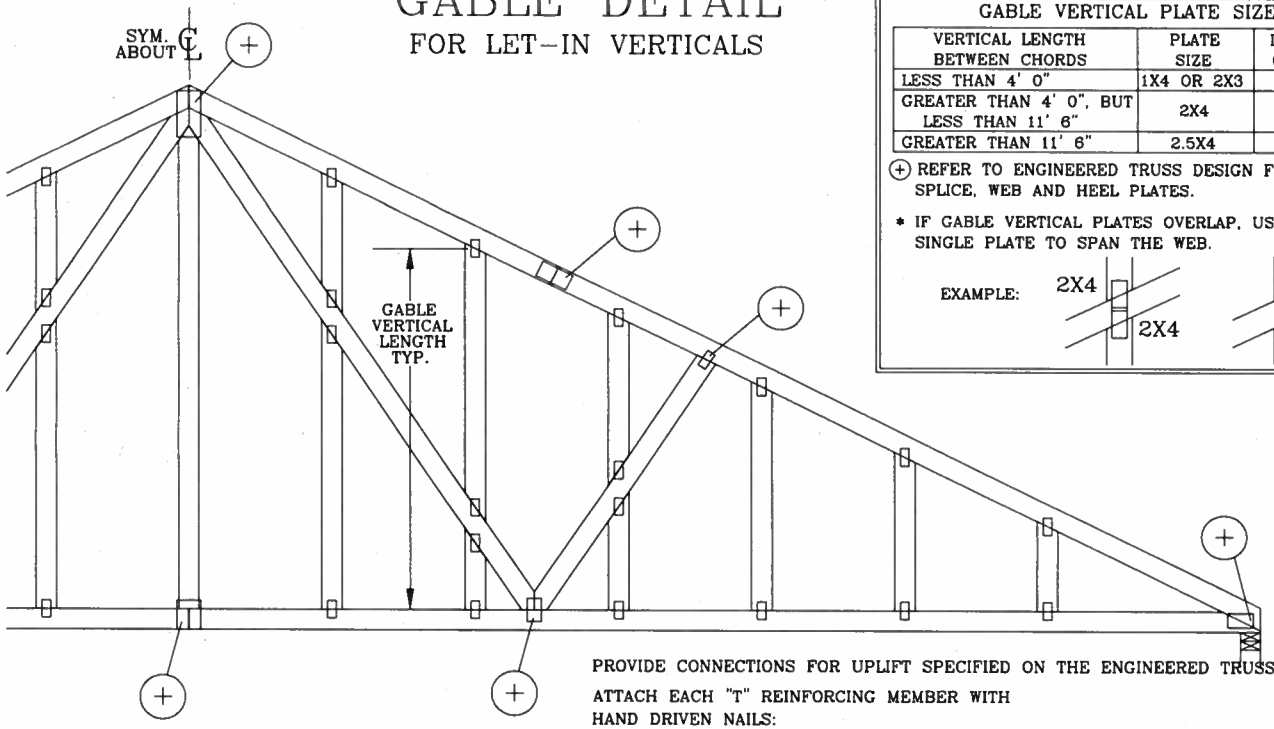
MAX. SPACING 24.0"

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

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

Feb

GABLE DETAIL
FOR LET-IN VERTICALS

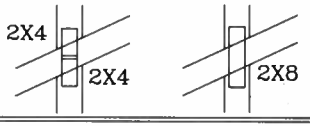


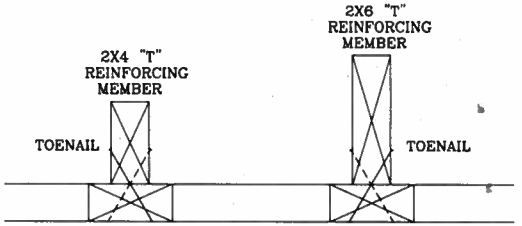
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X6
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

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

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

EXAMPLE:





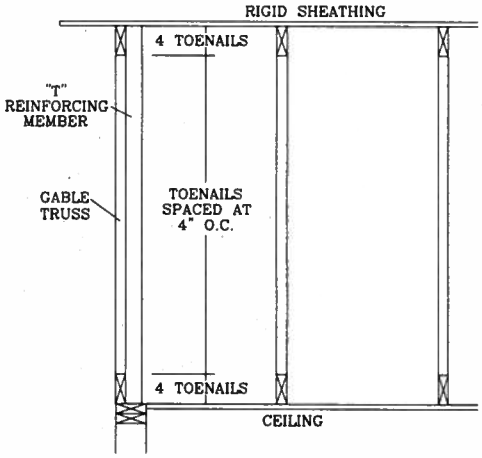
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

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

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

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

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

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

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