DATE - 12/20	0/2006		bia Count	•	_	PERMIT
APPLICANT	KAREN MA		mit Expires One		Date of Issue HONE 497-1249	000025327
ADDRESS	***************************************	SW KINARD CT		FORT WHIT	-	FL 32038
OWNER		KAREN MAGGA	RD		HONE 497-1249	
ADDRESS		SW KINARD CT	<u> </u>	FORT WHIT		FL 32038
CONTRACTO		R BUILDER			HONE	
LOCATION O			EDIONG PD PKI		E HOUSE ON RIGHT	
LOCATION	I I KOI EKI I	47 3, K 11	ERCONG RD, R KI	NARD CI, IIZ WILL	L HOOSE ON RIGHT	
TYPE DEVEL	OPMENT	SFD, UTILITY		ESTIMATED COS	T OF CONSTRUCTION	ON 112300.00
HEATED FLO	OR AREA	2246.00	TOTAL .	AREA 3516.00	HEIGHT	20.00 STORIES 1
FOUNDATION	N CONCRI	ETE WAI	LLS FRAMED	ROOF PITCH	6/12	FLOOR SLAB
LAND USE &	ZONING	<u>A-3</u>			MAX. HEIGHT	35
Minimum Set E	Back Requirme	ents: STREET	-FRONT 30	0.00 R	EAR 25.00	SIDE 25.00
NO. EX.D.U.	1	FLOOD ZONE	<u>x</u>	DEVELOPME	NT PERMIT NO.	
PARCEL ID	05-6S-16-03	773-004	SUBDIVI	SION		
LOT	BLOCK	PHASE	UNIT		TOTAL ACRES	10.00
	ection Se	6-1045-E eptic Tank Number E FOOT ABOVE T		oning checked by	Applicant/Ow JH Approved for Issu	mer/Contractor N nance New Resident
					Check # or	r Cash 2677
		FOR BI	JILDING & ZOI	NING DEPART	MENT ONLY	(6. (.)(01.1)
Temporary Pow	er		Foundation		Monolithic	(footer/Slab)
		date/app. by		date/app. by		date/app. by
Under slab roug	h-in plumbing		Sla	b	Sheath	ing/Nailing
		date/ap	op. by	date/app.	by	date/app. by
Framing	date/app. b		Rough-in plumbin	g above slab and bel	ow wood floor	
Electrical rough		у	TT O. A. D.			date/app. by
· ·		ite/app. by	_ Heat & Air Duct	date/app. by	Peri. beam (L	intel)date/app. by
Permanent powe			C.O. Final		Culvert _	
		app. by	***************************************	date/app. by		date/app. by
M/H tie downs, l	blocking, elect	ricity and plumbin		/app. by	Pool	1./
Reconnection	-		Pump pole		tility Pole	date/app. by
M/H Pole	date	e/app. by	avel Trailer	late/app. by	date/app	o. by
	e/app. by	116		date/app. by	Re-roof	date/app. by
BUILDING PER	DMIT EEE ¢	565.00	CEDTIFICATION	FEE \$ 17.58	SUDCHAI	OCE EEE 0 17.50
MISC. FEES \$			CERTIFICATION CERT. FEE \$ 50			ASTE FEE \$
FLOOD DEVEL						
	OPMENT FE	E\$FLC	OOD ZONE FEE \$ _	25.00 CULVERT	FEE \$ T	OTAL FEE 675.16
INSPECTORS (E\$FLO	OOD ZONE FEE \$ _	25.00 CULVERT CLERKS O	Ω	OTAL FEE 675.16

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.

1-25-08 Columbia Co Building Lake city FL. 32055 We are Requesting an extension for building permit # 000025327 due to the time Required, that will ensure our home is finished in the high quality and integrity we demand, as owner builders. Thank you Kam maggard KAREN & HAROLD MASSARD 625 SW. KinARD ct. Fort white FL 32038 Permit # 000025327

Pennit Number:[type permit number]

Tall to the little of the litt

State of: Florida County of: Columbia

File Number: 07-224

NOTICE OF COMMENCEMENT

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

Description of Property;

A Part of the NW 1/4 of the SE 1/4 and the SW 1/4 of the NE 1/4 of Section 5, Township 6 South, Range 16 East COLLMBIA COUNTY, FLORIDA. Being more particularly described as follows:

Commence at the NE corner of the NW 1/4 of the SE 1/4 of said Section 5, and run Thence South 0° 53′ 02′ Hast along said East line thereof, 557.83 feet, Thence South 88° 19′ 37″ West 707.97 feet to the Point of Beginning, Thence—South 88° 19′ 37″ West 552.20 feet to the East maintained Right of Way of Kinard Road. Thence North 5° 44′ 46″ West 558.45 feet, to its intersection with the North line of said NW 1/4 of SE 1/4. Thence North 8° 49′ 37″ West 142.21 feet to a point on the West line of said SW 1/4 of NE 1/4, Thence North 6° 45′ 37″ West along said West line 48.91 feet, Thence North 88″ 17′ 48″ East 619.33 feet, Thence South 0° 51′ 57″ East 747.45 feet to the Point of Beginning.

- General Description of Improvements: Single Family Dwelling
- Owner Information:
 - a. Name and Address: Harold G. Maggard and Karen DeMurra Maggard 625 SW Kinard Court, Ft. White, Florida 32038
 - b. Interest in property: Fee Simple
 - Names and address of fee simple title holder (if other than owner);
- Centractor: Harold G. Maggard
 625 SW Kingrd Court. Ft. White, Florida 32038
- 5. Surety:

N/A

6. Lender:

N/A

- Persons within the State of Florida designated by Owner upon whom notices or other documents may be served
 as provided by Section 713.13(1) (a)7.. Florida Statutes.
- 8. In addition to himself, Owner designates the following persons to receive a copy of the Lienar's Notice as provided in Section 713.13(1)(h), Florida Statutes.
- 9. Expiration date of Notice of Commencement (the expiration date is 1 year from date of recording unless a different date is specified): [User Input as to the date of expiration of the Notice of Commencement].

Harald G. Maggard /

Karen De White Maggard

Sworn to and subscribed before me June 8, 2007 by who is personally known to me or who did provide

as identification.

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

1. Description of Property:

A Part of the NW 1/4 of the SE 1/4 and the SW 1/4 of the NE 1/4 of Section 5, Township 6 South, Range 16 East COLL MBIA COUNTY, FLORIDA. Being more particularly described as follows:

Commence at the NE corner of the NW 1/4 of the SE 1/4 of said Section 5, and run Thence Smith ()° 53' 02" East along said East line thereof, 557.83 feet, Thence South 88° 19' 37" West 707.97 feet to the Point of Beginning. Thence—South 88° 19' 37" West 552.20 feet to the East maintained Right of Way of Kinard Road, Thence North 5° 44° 46" West 558.45 feet, to its intersection with the North line of said NW 1/4 of SE 1/4. Thence North 8° 49' 37" West 142.21 feet to a point on the West line of said SW 1/4 of NE 1/4, Thence North 0° 45' 37" West along said West line 48.91 feet, Thence North 88° 17' 48" East 619.33 feet, Thence South 0° 51' 57" East 747.45 feet to the Point of Beginning.

- General Description of Improvements: Single Family Dwelling
- Owner biformation;
 - Name and Address: Harold G. Maggard and Karen DeMurra Maggard 625 SW Kinard Court, Ft. White, Florida 32038
 - b. Interest in property: Fee Simple
 - c. Names and address of fee simple title holder (if other than owner):
- Contractor: Harold G. Maggard
 625 SW Kinard Court, Ft. White, Florida 32038
- 5. Surety: N/A
- 6. Lender: N/A
- 7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1) (a)7., Florida Statutes.
- 8. In addition to himself, Owner designates the following persons to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.
- Expiration date of Notice of Commencement (the expiration date is 1 year from date of recording unless a different date is specified): [User Input as to the date of expiration of the Notice of Commencement].

Harold G. Mangard	Karen DeMurra Maggard Karen DeMurra Maggard
Sworn to and subscribed before me June 8, 2007 by	who is personally known to me or who did provide as identification.
My Commission Expires:	All the large and the control of the large o

NOTICE OF COMMENCEMENT FORM COLUMBIA COUNTY, FLORIDA

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

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

Тах	Parcel ID Number 05-65-16-03773-004 PERMIT NUMBER (200025327
1.	Description of property: (legal description of the property and street address or 911 address) Bes At NE COR OF NWI/4 OF SE14 Run S 538.09 Ft. W 1257.80 FT to E R/W Kinard Rd, N 751.58 FT E 1326.74 FT S 190 FT to POB ORB 858-578
2.	General description of improvement: Striple FAMILY Homy
	Owner Name & Address #41014 + KARRI NEGARA (25 SLUKIU 4-1 CT) 17 White FL 3203 8 Interest in Property (0,0205 Name & Address of Fee Simple Owner (if other than owner):
	Contractor Name
7.	Address Inst:2007008085 Date:04/10/2007 Time:14:32 Lender Name
8. se	Persons within the State of Florida designated by the Owner upon whom notices or other documents may be rved as provided by section 718.13 (1)(a) 7; Florida Statutes: Name Phone Number
0	Address
	In addition to himself/herself the owner designates of to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee
NC Th	OTICE AS PER CHAPTER 713, Florida Statutes; e owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.
•	Sworn to (or affirmed) and subscribed before 104h day of April 2007 Signature of Owner Sworn to (or affirmed) and subscribed before 104h day of April 2007 GALE TEDDER SY STAMP/SEAL MY COMMISSION # DD 333588 EXPIRES: June 28, 2008 Sonded Thru Notery Public Understates

Signature of Notary

Columbia County Build	ing Permit Application Ethes Saule Revised 9-23-04
S. MICL SOFTINGS IN LINES (TORS) A	Revised 9-23-0
Approved by - Zoning Official (21)	Date 05. 12.06 Blanc Burnet # 25327
The second of th	THE PARTY OF THE P
Comments MH to be Removed within 45	Land Use Plan Map Category 4-3
	IDC TISTY
Applicants Name Harold Gilbert Mag Address 625 SW Kingyd Ct. For	Existing well
Address 625 Sul Villert Mag	gard Phone 497-1249
Address 625 SW Kingy & Ct. For Some Name Harold & Kaven Ma accord	Whote Florida 32038
Owner Name Harold & Karen Maggard	Phone 447-1249
911 Address 625 SIN Kinard Rt. Fort Contractors Name OWNEY Builder	White, Florida 32038
The state of the s	
Address 625 SW Kingy J Ct. Fort Will	
Bonding Co. Name & Address None	en Maggard, Fort white, Plovida 32038
Architect/Engineer Name & Address Hucy R. Haw Mortgage Lendons Name & Address Nonc	cht 961-1727
20 1-24 LT - CONTENT	1,21
Promote the correct power company - Ft. Power & Light -	Clay Blac - Suwannee Valley Blac - Progressive Boardy
Property ID Number <u>05-065-16-03773-00</u> Subdivision Name N/A	
Driving Directions South on \$5247, Rt on	U. J. O.J. O.J. W. Unit Phase
1/2 mi house on right side.	sterling ka, Kt on Kinard Court,
The House on Fight Store	
Type of Construction SFD	A Number of Children County
	g Number of Existing Dwellings on Property
Actual Distance of Structure from Property Lines - Front 46	Side 630 Side 67' Regr 67'
Total Building Height 20' Number of Stories	The state of the s
	701 AL 3516
application is hereby made to obtain a permit to do work as nestaliation has commenced prior to the leavance of a perm	nd installations as indicated. I certify that no work or lit and that all work be performed to meet the standards of
n was regulating communication in this juneatotion.	94
WHERS AFFIDAVIT: I hereby certify that all the foregoing ompliance with all applicable laws and regulating construc	information is accurate and all work will be done in
MARNING TO OMNER: YOUR FAILURE TO RECORD A NOT	ICE OF COMMENCMENT MAY BERLIET IN YOUR BAYING
WICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU	TICE OF COMMENCMENT MAY RESULT IN YOU PAYING INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR
THE THE PERONE RECORDING TOUR NOT	CE OF COMMENCEMENT.
Land myst	Haldm/
wner Builder er Agent (including Contractor)	Contractor Signature
TATE OF FLORIDA OUNTY OF COLUMBIA	Competency Clare Number
worn to (or affirmed) and subscribed before me	NOTARY STAME BRENDAG. DAVIS () MY COMMISSION # DD 578859
to 28 day of NOVEMBEY 2006.	EXPIRES: September 28/2010
presonally known or Produced Identification F CDL	
m 263-347-50-	221-0

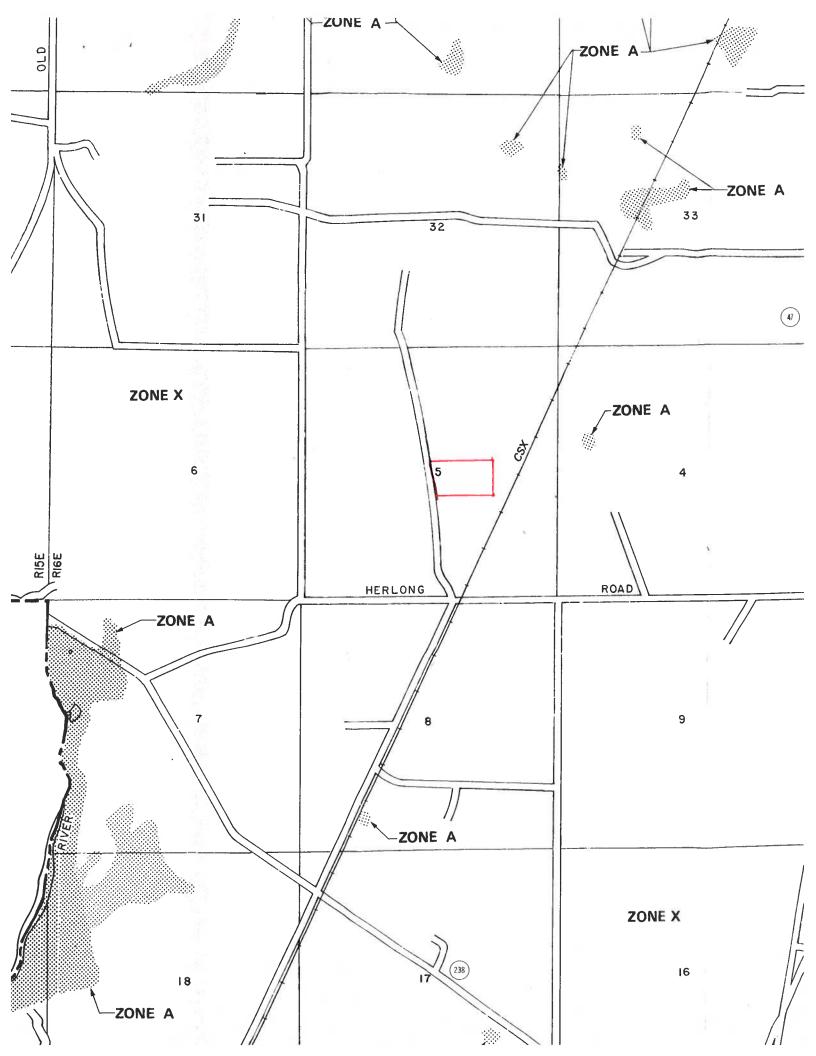


0611-58

STATE OF FLORIDA DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

PART II - SITE PLAN-Scale: Each block represents 5 feet and 1 inch = 50 feet. Hone complete BREMI Notes: Site Plan submitted by: Hard I my Signature Plan Approved X



NE CORNER OF NW 1/4 OF THE SE 1/4 OF SECTION 5, TOWNSHIP 6 SOUTH, RANGE

S 00°58'18" E 558.09(R) S 00°53'02" E 557.83(F) S 00.24.32" E 190.00(R)

_EGAL DESCRIPTION:

INTERSECTION WITH THE NORTH LINE OF SAID NW 1/4 OF SE 1/4; THENCE N 8.49'37" 142.21 FEET TO A POINT ON THE WEST LINE OF SAID SW 1/4 OF NE 1/4; THENCE N 0.45'37" W, ALONG SAID WEST LINE, 48.91 FEET; THENCE N 88.17'48" E, 619.33 FEET; THENCE S 0.51'57" E, 747.45 FEET TO THE POINT OF BEGINNING. CONTAINING 10.04 OF THE SE 1/4 OF SAID SECTION 5 AND RUN THENCE S 0.53'02" E, ALONG SAID EAST LINE THEREOF, 557.83 FEET; THENCE S 88'19'37" W, 707.97 FEET TO THE POINT OF A PART OF THE NW 1/4 OF THE SE 1/4 AND THE SW 1/4 OF THE NE 1/4 OF SECTION 5, TOWNSHIP 6 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA. BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS; COMMENCE AT THE NE CORNER OF THE NW 1/4 BEGINNING; THENCE CONTINUE S 88"9"37" W, 552.20 FEET TO THE EAST MAINTAINED RIGHT OF WAY OF KINARD ROAD; THENCE N 5"44"46" W, 558.45 FEET TO ITS ACRES MORE OR LESS ,€

SURVEYOR'S NOTES:

- 1. BOUNDARY INFORMATION TAKEN FROM A PREVIOUS SURVEY BY BRITT SURVEYING DATED 2/9/98, #L-8367, AND FOUND MONUMENTATION.
- 2. BEARINGS BASED ON AN ASSUMED BEARING OF N 8817'48" E, FOR THE NORTH LINE OF SUBJECT PARCEL.
- ACCURACY EXCEEDS 1/10,000.
- THE PURPOSE OF THIS SURVEY IS TO FURTHER SUBDIVIDE THE PARCEL RECORDED IN OFFICIAL RECORDS BOOK 858, PAGE 580, COLUMBIA COUNTY, FLORIDA.
- ALL MONUMENTS STAMPED # 1071.
- 6. SUBJECT SURVEY WAS DONE WITHOUT THE BENEFIT OF TITLE ABSTRACT; THEREFORE THERE MAY BE EASEMENTS, ETC. AFFECTING THE PROPERTY THAT ARE NOT SHOWN HEREON.

NOTORIZED DISCLOSURE STATEMENT

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

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

TYPE OF CONSTRUCTION

() Single Family Dwelling () Farm Outbuilding	() Two-Family Residence () Other
•	W CONSTRUCTION OR IMPROVEMENT
STRANGE TO LARRY STRANGE	() Addition, Alteration, Modification or other Improvement
IHAROLI MAGGARD	, have been advised of the above disclosure statement for
	.489.103(7) allowing this exception for the construction permitted by
Owner Builder Signature	<u>-28-06</u> Date
Owner Builder Signature	Date
The above signer is personally knoproduced identification Notary Signature	wn to me or MY COMMISSION # DD 383586 EXPIRES: June 28, 2008 Date 11-28-06 Date 11-28-06
	FOR BUILDING USE ONLY
I hereby certify that the above listed Statutes ss 489.103(7).	ed owner/builder has been notified of the disclosure statement in Florida
DateBu	ilding Official/Representative

Fage 1 Print Kay Output 03/29/99 14:39:09 5716SSI VER7MO PALLOE S1032F4G * M8 User ENVIRON Columbia County CAM112M01 S BRC CamaUSA Appraisal System 39906 Land 001 3/29/99 [4:37 Legal Description Maintenance 000 AG. Year T Property Bldg 000 1999 R 05-68-16-02775-004 Xfea 000 TOTAL 39906 MAGBARD HARGLD GILBERT & 2 RUN S 558.09 FT, W 1257.80 FT BED WE DOE OF NW1/4 OF SE1/4; TO E F/M KEMARD RD, N 751.58 FT, E 1326.74 FT, S 190 FT TO 4 6 PCB. CRE 559-578. 8 10 7 12 11 14 13 13 1 15 13 17 20 19 22 21 24 22 26 25 23 27 Mnt 1/27/99 TERRY

Fi=Help F3=E/11 F4=Frampt F10=GoTo PGUP/PGDN F24=MoreKeys

Project Name:

Address:

City, State:

Maggard Residence

Ft White, FL 32038-

625 SW Kinard Court

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Builder:

Permitting Office:

Permit Number:

Owner

25327

Columbia Co

New Single family 1 3 1 3 No 2252 ft² Single Pane Double Pane 0.0 ft² 0.0 ft² 0.0 ft² 0.0 ft² 0.0 ft² 1 0.0 ft² 0.0 ft² 1 0.0	12. Cooling systems a. Central Unit b. N/A c. N/A 13. Heating systems a. Electric Heat Pump b. N/A c. N/A 14. Hot water systems a. Electric Resistance b. N/A c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	Cap: 35.0 kBtu/hr SEER: 14.00 Cap: 35.0 kBtu/hr HSPF: 7.90 Cap: 30.0 gallons EF: 0.90
or Sup. R=6.0, 30.0 ft _	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,
	Single family 1 3 No 2252 ft² Single Pane Double Pane 0.0 ft² 270.0 ft² 0.0 ft² 0.0 ft² 0.0 ft² 0.0 ft² R=0.0, 268.0(p) ft R=19.0, 1976.0 ft² R=30.0, 2252.0 ft²	Single family a. Central Unit 1

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

Glass/Floor Area: 0.12

PREPARED BY:

_Tim Delber

DATE: 6/19

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

OWNER/AGENT: //cm

DATE: 11-28-06

Total as-built points: 23400 Total base points: 32370

PASS

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:	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 625 SW Kinard Court, Ft White, FL, 32038-

PERMIT #:

BASE	AS-BUILT								
GLASS TYPES .18 X Conditioned X BSPM = F Floor Area			rhang Len	Hgt	Area X	SPM	x so	F = Points	
.18 2252.0 20.04	8123.4	Double, Clear	N	8.0	5.0	9.0	19.20	0.6	5 111.5
'			N	2.0	7.0	60.0	19.20		
		l ' -	N	2.0	5.0	6.0	19.20		
			N	5.0	7.0	15.0	19.20		
			N N	6.0 10.0	7.0 8.0	15.0 60.0	19.20 19.20		
			S	2.0	7.0	45.0	35.87		
				14.0	7.0	30.0	35.87		
			E	2.0	7.0	30.0	42.06		
		As-Built Total:				270.0			5411.3
WALL TYPES Area X BSPM	= Points	Туре		R-	Value	Area	Χ	SPM	= Points
Adjacent 0.0 0.00 Exterior 1976.0 1.70	0.0 3359.2	Frame, Wood, Exterior		•	19.0	1976.0	ı	0.90	1778.4
Base Total: 1976.0	3359.2	As-Built Total:				1976.0			1778.4
DOOR TYPES Area X BSPM	= Points	Туре				Area	Χ	SPM	= Points
Adjacent 21.0 2.40	50.4	Exterior Insulated				21.0		4.10	86.1
Exterior 42.0 6.10	256.2	Adjacent Insulated				21.0		1.60	33.6
		Exterior Insulated				21.0	•	4.10	86.1
Base Total: 63.0	306.6	As-Built Total:				63.0			205.8
CEILING TYPES Area X BSPM	= Points	Туре	F	R-Valu	e A	\rea X S	SPM >	K SCM	= Points
Under Attic 2252.0 1.73	3896.0	Under Attic		3	30.0	2252.0 1	1.73 X	1.00	3896.0
Base Total: 2252.0	3896.0	As-Built Total:				2252.0			3896.0
FLOOR TYPES Area X BSPM	= Points	Туре		R-\	Value	Area	X	SPM	= Points
Slab 268.0(p) -37.0 Raised 0.0 0.00	-9916.0 0.0	Slab-On-Grade Edge Insulation			0.0 2	268.0(p	-4	1.20	-11041.6
Base Total:	-9916.0	As-Built Total:				268.0			-11041.6
INFILTRATION Area X BSPM	= Points					Area	X	SPM	= Points
2252.0 10.21	22992.9					2252.0) .	10.21	22992.9

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 625 SW Kinard Court, Ft White, FL, 32038- PERMIT #:

	BASE		AS-BUILT								
Summer Bas	se Points:	28762.1	Summer As-Built Points:	23242.8							
Total Summer Points	X System Multiplier	= Cooling Points	Total X Cap X Duct X System X Credit Component Ratio Multiplier Multiplier Multiplie (DM x DSM x AHU)	= Cooling r Points							
28762.1	0.4266	12269.9	23242.8 1.000 (1.090 x 1.147 x 0.91) 0.244 0.902 23242.8 1.00 1.138 0.244 0.902	5818.0 5818.0							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 625 SW Kinard Court, Ft White, FL, 32038-

PERMIT #:

BASE		AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = I Floor Area		Overha rnt Le		Area X	WP	м х	WOF	= Points	
.18 2252.0 12.74	5164.3	Double, Clear	N 8.0	5.0	9.0	24.	58	1.02	226.4
		Double, Clear	N 2.0	7.0	60.0	24.	58	1.00	1479.6
		Double, Clear	N 2.0		6.0	24.		1.01	148.4
		Double, Clear	N 5.0		15.0	24.		1.01	373.9
		Double, Clear Double, Clear	N 6.0		15.0 60.0	24.5 24.5		1.02 1.02	374.8 1505.6
		Double, Clear	S 2.0		45.0	13.3		1.02	700.7
		Double, Clear	S 14.0		30.0	13.3		3.51	1398.4
		Double, Clear	E 2.0		30.0	18.7		1.05	589.4
		As-Built Total:			270.0				6797.1
WALL TYPES Area X BWPM	= Points	Туре		R-Value	Area	Х	WPM	=	Points
Adjacent 0.0 0.00 Exterior 1976.0 3.70	0.0 7311.2	Frame, Wood, Exterior		19.0	1976.0		2.20		4347.2
Base Total: 1976.0	7311.2	As-Built Total:			1976.0				4347.2
DOOR TYPES Area X BWPM	= Points	Туре			Area	Х	WPM	=	Points
Adjacent 21.0 11.50	241.5	Exterior Insulated			21.0		8.40		176.4
Exterior 42.0 12.30	516.6	Adjacent Insulated			21.0		8.00		168.0
		Exterior Insulated			21.0		8.40		176.4
Base Total: 63.0	758.1	As-Built Total:			63.0				520.8
CEILING TYPES Area X BWPM	= Points	Туре	R-Va	lue Ar	ea X W	PM	x wc	M =	Points
Under Attic 2252.0 2.05	4616.6	Under Attic		30.0	2252.0	2.05 2	X 1.00		4616.6
Base Total: 2252.0	4616.6	As-Built Total:			2252.0		. ::		4616.6
FLOOR TYPES Area X BWPM	= Points	Туре		R-Value	Area	Х	WPM	=	Points
Slab 268.0(p) 8.9 Raised 0.0 0.00	2385.2 0.0	Slab-On-Grade Edge Insulation		0.0	268.0(p		18.80		5038.4
Base Total:	2385.2	As-Built Total:			268.0				5038.4
INFILTRATION Area X BWPM	= Points				Area	Х	WPM	=	Points
2252.0 -0.59	-1328.7				2252.	0	-0.59		-1328.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 625 SW Kinard Court, Ft White, FL, 32038-

PERMIT #:

	BASE		AS-BUILT								
Winter Base	Points:	18906.7	Winter As-Built Points:	19991.4							
Total Winter X Points	System = Multiplier	Heating Points	Total X Cap X Duct X System X Credit Component Ratio Multiplier Multiplier Multiplie (DM x DSM x AHU)	= Heating r Points							
18906.7	0.6274	11862.1	19991.4 1.000 (1.069 x 1.169 x 0.93) 0.432 0.950 19991.4 1.00 1.162 0.432 0.950	9527.3 9527.3							

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: 625 SW Kinard Court, Ft White, FL, 32038- PERMIT #:

BASE					AS-BUILT								
WATER HEA Number of Bedrooms	TING	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	x	Tank X Ratio	Multiplier	X Credit Multiplie		Total
3		2746.00	•	8238.0	30.0	0.90	3		1.00	2684.98	1.00		8054.9
					As-Built Total:						8054.9		

	CODE COMPLIANCE STATUS												
	BASE									AS	-BUILT		
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
12270		11862		8238		32370	5818		9527		8055		23400

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 625 SW Kinard Court, Ft White, FL, 32038-

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.	V
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.	NA
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%.	NA
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.	1
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.	

LEJ. KELLEY, JR., P.E. nsulting Structural Engineer OKSONVILLE, FLORIDA JOB NO. 8H_1 OF 8 JOB TITLE . DATE -SUBJECT LCULATEDBY SCALE IECKED BY. ETCH NO. CAVOVAATIONS FOR 299 24 GAUGE 1939 HAINES STREET EXPRESSWAY . JACKSONVILLE, FL 92202 904-358-8366 · WATTS 1-877-358-7663 (ROOF) FAX 904-358-8285 EXPOSURE

DOLE J. KELLEY, JR., P.E. Consulting Structural Engineer JOBTILE MILLENNIUM JACKSONVILLE, FLORIDA DUK DATE 2/2003 JOB NO. SH ZAOF 8 CALCULATED BY_ CHECKED BY RIB PANELS WIND SPEED TYPE OF FASTENER ATTACHMENT 110 MPH 140 MPH ZOMPH ZONE FASTENER IDOMPH : SIZE ON CENTER DN CENTER XISTING SPACINO SPACING SPACING SPACING TIMBER 60.0 ZONE #9 x3 DECK WITH 1600 WOOP SOREW THRU 60.0 160.C. 16 O.C. 9/2 THOK #0 × 1/2 ZONE PLYWOOD 2 X & RAFTER 24 0.0. 24 O.C. 24 O.C. 160.0. 1600 600 THROUGH #1/2 x 1600 METAL 8 GAVOR SCREW DO THROUGH 26 GALLE TYPICAL ATTACHMENT IS 9"O.C. EXCEPT AS NOTED NOTE - DOUBLE SCREWS & 90.C. WITH ROWS OF 16" PER DETAIL C. ** Batters 2x4 Attached OVER 12" Plywood 12" OC With A #8 X3" Ring Shank Fastener 2x4 open RATK Attenment of BAttens ArE the Responsibility of the Engineer of the post Frame RIB PANEL FASTENING RECOMMENDATIONS (ON RIP Alternative NOTE: NAIL ATTACHMENTS IS THROUGH MAJOR RIBS. DETAIL B FIELD PURLIN ATTACHMENT #9 x21/2 WOOD FASTENER . DETAIL C (EAVES, RIDGES & ENDLAPS) #9 x 2 1/2 WOOD FASTENER

DOLE J. KELLEY, JR., P.E. Consulting Structural Engineer JACKSONVILLE, FLORIDA MILLENNIUM CALCULATED BY RIB PANELS SH 3_ OF 25 SKETCH NO. RIB PANELS: UPLIFT ATTACHMENTS -ZENE ! WOOD SCREWS INTO 1/2 TIMBER **Rib Panel** UPCIAT = 152 TINX 1/2 = 76 ×1.6=121 TABLE 1606.28 100 MPH = -180 % ZONE 2 36" Net Coverage 100 MPH = - 34.8 % 38" Overall Width LOO MPH = - 45.4% 12/4 = 2.66 ZONE 3 .0288 .0482 SCREWS @ 9, O.C. 2.66/1 - 3.55 > 1.33 0,0142 NOTE - USE 9"O.C. WITH ROWS & 16 O.C. MAX. 5/8" PLY WOOD PULL OUT = 152 1/1 x :625 = 95 x1.6 = 152 \$ SCREW 152 \$ \464 +1 = 3.34 \ /.75' = 4.46 > 1.83 MAX 2 X 4 BATTENS: 00 24 "O.C., " # 75 = 228 X 1 6 = 364 MAX. PULC = 175 X 2 X 454 6 = 68.1 2 369 CAPACITY # 12 SORENS INTO METHL

12 - 18 GAUGE - ULT - 487/3 = 162 x13 = 210 # # 14 - 26 GAUGE - ULT = 141/3 = 47.0 x1.3 = 61.1 # MAX PULL OUT = .75 x 1.33 x 45.4 % = 45. # 61.1 # OK FOR # 12 SCREWS & 9 AND ROWS OF 16"

2/14/2003

DOLE J. KELLEY, JR., P.E.

Consulting Structural Engineer

JACKSONVILLE, FLORIDA

0,0,00,00,00,00	15	JOSTITLE MAJLLENN (UNI	
CALCULATED BY DUK	DATE 2/2003	0.00	JOB NO.
CHECKED BY	DATE	SUBJECTRIB_PANELS	sh 4 of 0
SKETCH NO.	SCALE		

RIB PANELS CONT:

110 MPH #/,

20NE 1 = -21.8 4

20NE 2 = 40.1 #/a

20NE 3 = -55.0 #/a

Wedd SCREWS

1/2" TIMBER - PULL OUT CAPACITY = 12/

9" × 16" = 10" = -55" < 12.1

5/8" PLYWOOD = PULL OUT CAPACITY = 152#

9" × 16" = 1.0" × -55 = 55" < 152

9" X16" = 1.0" X-55= 55" < 152 2 X4 BATTENS @ 24" O.C. PULL OUT CAPACITY = 364" 9" X24" = 1.5" X-55% = 82.5" < 364

SCREWS INTO METAL DECK

12 - THRU 186A, = CAPACITY = 210# # 14 THRU 266A = CAPACITY = 61.1# FLORIDA BUILDING CODE - BUILDING

1606.2.5 Components and cladding. Pressure for wind loading actions on components and cladding shall be determined from Table 1606.2B for enclosed portions of the building and Table 1606.2C for overhangs, based on the effective area for the element under consideration. The pressures in Table 1606.2C include internal pressure. The pressure shall be applied in accordance with the loading diagrams in Figure 1606.2c.

MAX RULL OUT = .75 x 133 x -55 16 = 55 + < 31.1

Duly hely 1

DOLE J. KELLEY, JR., P.E. **Consulting Structural Engineer** JACKSONVILLE, FLORIDA MILLENNIUM DATE 2/2003 JOB NO SH 5 OF 8 RIB PANE 120 MPH - UPLIFT = -25.9 7/4 ZONE ZONE 12" TIMBER - PULL OUT CAPACITY = 121" 9" X16"= 1.0" X 65.4" = 65.4" < 121 5/8" PLYNOOD = PULL OUT CAPACITY = 152" 9"X16"=1.0" X65.4" = 65.4" < 152" 2:x4 BATKENS a 24 O.C. PULL OUT CAPACITY = 364# MAX UPLIFT = 175 X 2 X 65.4 = 98.1 SCREWS INTO METAL #12 - 18 GAVGE = 210# #14 - 26 GAVGE = 61# < 65.4 IN ZONE 3 - USE 9 X1-0 = .75 X 25.4 16 = 49 7 / 61

Delphally 1-

DOLE J. KELLEY, JR., P.E. Consulting Structural Engineer

JACKSONVILLE, FLORIDA		JOB TITLE	MIL	LENWIUM	98 3
CALCULATED BY DUK CHECKED BY SKETCH NO.	DATE 2003 DATE SCALE	SUBJECT	RIB	PANELS	JOB NO. SH <u>4</u> OF <u>8</u>
RIB PANELS CONT:					
20NE 1 = - 35,3 % 20NE 2 = -68.1 %, 20NE 3 = -89.0 %					
1/2"TIMBER PULL OUT CAP OPLIFT = 9"X 16"=1.0" X					
5/8" PLYWOOD = PULL OUT GA UPLIFT = 9" x 16" = 1.0" x		< 152 #			
EX4 BATTENS a) 24 0.C., PULL OUT CAPACI UPLIFT = 9"X29"=1.5"	TY= 364#	364 [#]			
SCREWS INTO METAL #12 - 18 GAUGE = 21	. !				
# 14 - 26 GAVGE = 6	_		,		DOUBLE UP ON SCREW
Ø 1375 X1,33 = .5	*x890 % = 44.	5 / SCREW	(2)	1.0	
		1			

DOLE J. KELLEY, JR., P.E. Consulting Structural Engineer

JACKSONVILLE, FLORIDA		
CALCULATED BY	DJK	DATE 2/2003
CHECKED BY		DATE

SCALE

JOBTITLE MILLENNIVA	
SUBJECT RIB PANELS	ЈОВ NO SH 7 _ OF _ 8

UPLIFT VALUES:

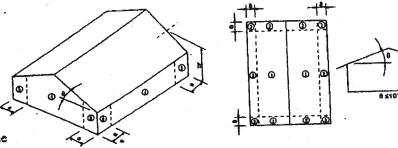
SKETCH NO.

Table 1896.2B

Component and cladding wind loads for a building with a mean roof height

of 30 feet located in exposure B (per)

	Effective wind					Back	e Wind 8 ₁	>>>d V (mph - 3 e	econd (puel)				9		
Cone ³	(ft ²)		946	•	•	1	00	11	10	121	•	18	•	144	•	764	,
lool Ang	b > 0-10 de	grees													_		
,	10.0	10.0	-130	10.0	-14.8	10.0	10.0	10.0	-21.0	10.6	أفقه	12.4	30.4	14.3	48,3	16.5	-40.5
i	20.0	10.0	-12.7	10.0	-14.2	10.0	-17.8	10.0	-21.2	10.0	25.2	11.0	-20.4	13.4	-34.4	15.4	-89.4
i	50,0	10.0	-12.8	10.0	-18.7	10,0	·16.9	10.0	-20.6	10.0	-24.4	10.6	-28,8	12.3	-43.2	14.1	-38.1
1	100.0	10.0	-11.8	10.0	-19.3	10.0	-10,6	10.0	-19.9	10.0	-21.7	10.0	-27.0	15,4	-32.3	13.0	-37.0
2	10.0	10,0	-21.6	10,0	-24A	10.0	-30.2	10.0	-38.8	10.6	43.5	12.4	-61.0	14.3	-69.2	16.6	-67.0
2	20.0	10.0	-10,5	10.0	-21.8	10.0	-27.0	10.0	-82.6	10,0	-88.8	11.8	-46.6	13.4	-62.9	15.4	-60.7
2	60,0	10.0	-16.4	10.0	-18.4	10,0	-22.7	10.0	-27.5	10.0	-82.7	10.#	-36.4	12.0	-44.5	14.1	-61.1
2	100.0	10.0	-14.1	10.0	-16.8	10.0	-19.5	10.0	-28.1	10.0	-33,0	11.4	-88.2	11.4	-98.2	13,0	49.0
8	10.0	10.0	-32.6	10,0	-96.8	10.0	-45.4	10.0	-65,0	10.6	45.4	12.4	-75.6	14.3	-89.0	14.5	-103.5
9	20.0	10.0	-27.2	10.0	-30.5	10.0	-37.8	10.0	-46,5	10,0	442	11,6	-83.A	13.4	-79.8	16.4	-84.7
3	60.0	10.0	-19.7	10.0	-22.t	10.0	47.3	10.0	-33.1	10.0	-39,3	10.6	-48.2	12.3	63.5	14.1	-61.5
3	100.0	10.0	-14.1	10.0	-15,6	10.0	-19.6	10.0	-23.8	10.0	-20.1	10.0	-33,0	11.4	-38.2	13.0	-43.8
	do > 10-30		17.7		10,0	10.0		1		1252							
IOU AIN	10-00	- Alises				1				l		1		l			
1	10.0	10.0	-11.0	10.0	-13.8	10.4	-16.6	12.5	-19.8	14.9	-23.7	17.5	-27.B	20.3	-32.3	23.3	-37.0
	20.0	10.0	-11.6	10.0	-19.0	10.0	-16.0	11.4	-19.4	13.0	-23.0	18.0	-27.0	18.5	-31.4	21.3	-36.0
1				*	-12.5		-16.4	10.0	-18.6	11.0	-22.2	13.9	-26.0	16.1	-30.2	18,5	-34.6
1	50.0.	10.0	-11.1	10.0		10.0					-21.5	12.4	-25.2	14.3	-29.5	16,5	-33.6
1	100,0	10.0	-10.8	10.0	-12.1	10.0	-14,9	10.0	-18.1	10.5			-68.7	20.3	-68.1	23.3	-78.2
2	10.0	10.0	-25.1	10,0	-28.2	10.4	-04.8	18.5	-42.1	14.0	-60.1	17.5		18.5	-61.6	21.3	-71.0
2	20.0	10.0	-22.6	10.0	-25.6	10.0	216	11.4	-38.2	13,6	-45.4	16.0	-63.3		-63.5	18.5	-81.4
2	60.0	10.0	-10.7	10.0	-22.1	10.0	-27.3	10.0	-33,0	11.0	-39.8	12.9	46.1	18.1			-64.2
2	100.0	10,0	-17.4	10.0	-19.5	10.0	-21.1	10.0	-29.1	10,5	-34.7	12.4	40.7	14.3	47.2	18.6	-78.2
8	10.0	10.0	-26,1	10.0	-28.2	10.4	-34,8	12.5	-42.1	14.8	-60.1	17.5	-68.7	20,3	-66.1	23.8	
3	20,0	10.0	-22.8	10.0	-26.6	10.0	-91.5	114	-38.2	13,6	45.4	16.0	-63.3	18,5	-61.6	21.5	-71,0
3	50,0	10.0	·19.7	10.0	-22.1	10.0	-27.3	10.0	-33,0	11.9	-39.3	13.P	46.1	16.1	-63.5	18.5	-61.4
3	100.0	10,0	·17.4	10.0	-19.6	10.0	-24.1	10.0	29,1	10.5	34.7	12.4	-40,7	14.3	47.2	18.5	-54.2
Roal An	gle > 50-45	degrees	B	1						ľ		1		į.	٠.		
				1					4			1		40.5	35.2	37.0	-40.5
1	10.0	11.9	-19.0	13.3	-14.8	16.5	-18.0	19.9	-21.8	23.7	-26.9	27.8	-30.4	32.3			
1	20,0	11.6	-12.3	13.0	-13,8	16.0	-17.1	19.4	> -20.7	23.0	-24.5	27.0	28.0	31.4	-39.5	\$8,0	-38.4
1	50.0	11.1	-11.5	12.6	-12.8	16.4	-15.9	18.8	-19.2	22.2	-22.8	25.0	-26.8	30.2	31.1	34.8	-35.7
1	100.0	10.8	-10,8	12.1	-12.1	14.9	-14.0	18.5	-18.1	21.5	-21.5	25.2	.25.2	29,3	-29.3	39.6	-33.6
2	10.0	11.9	-15.2	13.3	-17.0	18.5	-21.A	19.9	-25.5	23.7	-90.8	27.8	-35,6	32.3	412	37.0	-47.9
2	20.0	11.6	-14.6	13.0	-16.5	16.0	420.1	19,4	-24,9	23,0	-29.0	27.0	-34.0	31,4	-39.4	26.0	45,5
2	50.0	11.1	-13.7	12.5	-16.3	16.4	-18.9	18,6	-22.9	22.2	-27.2	26.0	-32.0	30,2	-07.1	24.6	-42.5
2	100.0	10.8	-13.0	12.1	-14.6	14.9	18.0	10.1	-21.8	21.5	-26,0	25,2	-30,4	29.3	-36.9	33.6	-40.
ŝ	10.0	11.9	-15.2	19.9	-17.0	10.5	-21.0	19.9	-26.5	23.7	-30.3	27.8	-35.6	32.3	41.2	37.0	-47.
;	20.0	11.8	-14.B	13.0	-16.8	10.0	A20.1	19.4	-24.3	23.0	-29.0	27.0	-94.0	81.4	-89.4	34.0	-46.
	50.0	11.1	-13.7	12.5	-15.3	15.4	-16.9	10.6	42.0	22.2	-27.2	25,0	-32.0	90.2	47.1	54.8	-42.
3	190.0	10.8	-13.0	18.1	-14,4	14.0	-18.0	18.1	-21.6	21.5		25.2	-30.4	28,3	-36.8	89.6	-40.



1606.2.3 Edge strips and end zones. The width of the edge strips (a), as shown in Figure 1606.2 (c), shall be 10% of the least horizontal dimension or 40% of the eave height, whichever is less but not less than either 4% of the least horizontal dimension or 3 feet (914 mm). End zones as shown in Figure 1606.2b shall be twice the width of the edge strip (a).

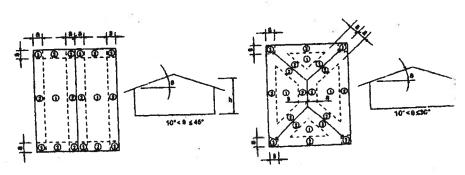
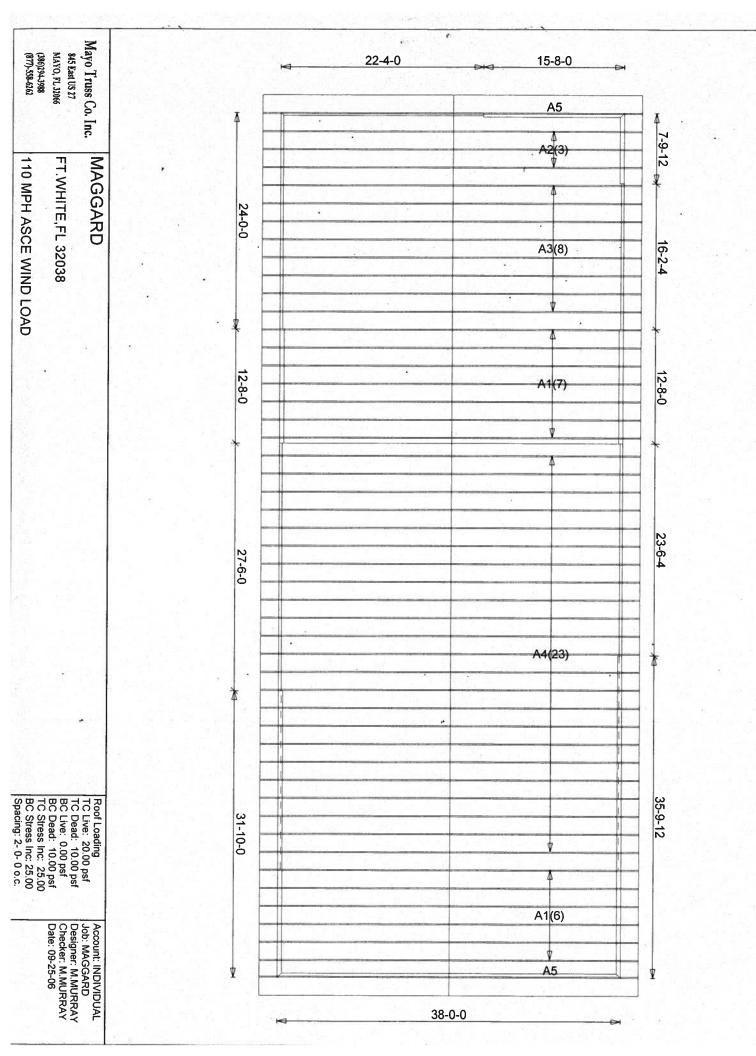


FIGURE 1806.2(0)
COMPONENT AND CLADDING LOADING DIAGRAMS

DOLE J. KELLEY, JR., P.E. Consulting Structural Engineer JACKSONVILLE, FLORIDA JOBTITLE MILLENNIUM DJK DATE 2/2003 CALCULATED BY JOB NO. 8H <u>8</u> OF 8 DATE CHECKED BY_ SUBJECT SCALE SKETCH NO. PANELS DESIGN VALUES. Frequently Used Lo Duration Factors, C.1 Load Duration Typical Design Loads $C_{\mathbf{p}}$ Permanent 0.9 Dead Load The years 1.0 Occupancy Live Load Snow Load Two months 1.15 Seven dava 1.25 Construction Load Wind/Berthquille Lond The minutes 1.6 NOMINAL immed¹ Impact Load SCREW es shell not apply to m dicular to grain design L Lead duration facts SIZES SOUTHERN PINE Cut Thread or Rolled Thread Wood Screw Withdrawai Docum Decimal Thread Table 11.2A Diameter Equivalent Values (W)2 Tabulated withdrawal design values (W) are in pounds per inch of thread penetration into side grain of main manufer. Thread length is approximately 2/3 the total wood screw length (see Reference 7). .140 #6 #7 .150 Specific Wood Screw Gage Gravity #8 .160 248 18g 20g 7g 10g 124 148 168 6g 80 98 a #9 .180 485 564 406 446 209 229 268 288 0.73 421 459 533 #10 .190 198 216 235 254 310 347 384 0.71 272 387 421 489 352 181 199 216 233 250 284 318 0.68 .200 #11 276 309 342 375 409 475 176 193 209 226 243 0.67 #12 .210 281 306 356 256 0.58 132 144 157 169 182 207 232 253 275 329 130 152 163 186 208 231 119 141 0.55 .230 #13 237 275 198 217 0.51 102 112 121 131 141 160 179 1/4 .240 191 221 6.50 98 107 126 135 .250 #14 *ULTIMATE PULLOUT VALUES *ULTIMATE SHEAR VALUES (POUNDS) (POUNDS) SIZE POINT 29-26 24-24 22-22 20-20 19-19 16-90 14-54 12-12 1/8-1/8 2/19-3/18 1/4-1/4 True 40 24 24 29 19 19 19 19 12 19 1/2 119 193 195 265 298 491 703 859 1658 1/3 120 191 239 265 470 663 910 1424 2287 1/1 146 241 311 337 565 826 1111 1796 1/2 131 214 272 388 547 764 1033 1653 12-14 1/1 432 703 763 1018 1452 1/4-14 1/1 511 849 886 1244 1784 8-18 T/3 294 495 500 740 1080 1078 | 10-16 | 172 | 131 | 214 | 272 | 288 | 947 | 764 | 1033 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 1635 | 10-16 7/2 312 478 589 830 1206 1268 1370 1758 2138 12-14 1/2 365 600 623 698 730 1090 1210 1214 8-18 T/3. 728 1266 1540 1562 10-18 1/3 495 897 10-24 T/3 1208 1554 1694 487 699 413 1527 2207 3701 3999 1358 1820 1970 1986 12-14 T/3 11 208 229 426 562 800 1151 T/2 166 265 314 430 646 922 1152 930 1442 2100 2584 2850 2820 V4-14 T/3 1/3 141 231 283 346 613 880 1145 1636 2406 4550 1*3 140 224 271 363 556 781 1006 1618 2562 3564 1*4 564 788 1116 1803 2650 4297 12-24 7/4 12-24 T/6



Qty	Plys	Truss Type	PROTECT PROGRAMMED BY TO THE BRIDGE STREET, AND AND AND ADDRESS.	Horizontal	eactio Vertical	n s Uplift	Sketch
			MAGGARD/				/ 1\
13	1	DH	A1	203	1647	224	
				203	1648	224	Z Z W W
			MAGGARD/				/1\
3	1	DH	A2	203	1647	224	
				203	1648	224	
			MAGGARD/				
8	1	DH	A3	203	1647	224	
				203	1648	224	
			MAGGARD/				KD.
23	1	SCIS	A4	203	1648	224	
				204	1648	224	
			MAGGARD/				alltra
2	1	DH	A5		3040 Continuo	ous Brg	

		Index Page 1 of 1
Permit Number:	Lot Number:	
Miscellaneous:	Address:	
The information in this box is for add	ninistrative purposes only and is not part of the engineering review.	Standard Loading:
Truss Fabricator:Mayo T	russ Company, Inc	T.C. Live 20 psf T.C. Dead 10 psf

Job Reference: MAGGARD - HAROLD MAGGARD

P.O. Box 280055 **ROBBINS** Tampa, FL 33682-0055 Phone: (813) 972-1135 ENGINEERING, INC.

Engineering Index Sheet

Index Page 1 of 1

Job Number T06092220

Date 09/22/2006 FBC - 2004 Chapter 16 and 23

Specification Quantity

A Professional Engineer's seal affixed to this Index Sheet indicates the acceptance of Professional Engineering responsibilities for individual truss components fabricated in accordance with the listed and attached Truss Specification Sheets. Determination as to the suitability of these individual truss components for any structure is the responsibility of the Building Designer, as defined in ANSI/TPI 1-2002, Section 2.2. Permanent files of the original Truss Specification Sheet are maintained by Robbins Engineering, Inc. Questions regarding this Index Sheet and/or the attached Specification Sheets may be directed to the truss fabricator listed above or Robbins Engineering, Inc. (Sofware - Online Plus)

ANSI/ASCE 7-02 Wind Speed - 110 MPH Mean Roof Ht. - 15 FT Exposure Catergory - B Occupancy Factor - 1.00 C and C Enclosed

20 psf 10 psf 0 psf 10 psf 10 psf 40 psf

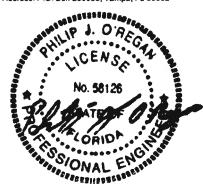
B.C. Live B.C. Dead

Total

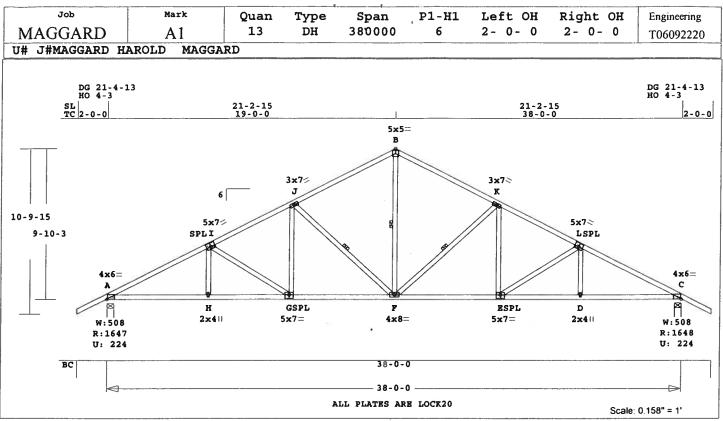
Notes: Refer to individual truss design drawings for special loading conditions.

Date Mark	Date Mark	Date Mark	Date Mark
1 09/22/06 A1	2 09/22/06 A2	3 09/22/06 A3	4 09/22/06 A4
5 09/22/06 A5			

Truss Design Engineer: Philip J. O'Regan License #: 58126 Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 9/22/2006



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 268.7 LBS -----Bottom Chords-----REFER TO ROBBINS ENG. GENERAL A -H 0.52 2463 T 0.41 0.11 NOTES AND SYMBOLS SHEET FOR Online Plus -- Version 19.5.025 H-G 0.51 2463 T 0.41 0.10 ADDITIONAL SPECIFICATIONS. RUN DATE: 22-SEP-06 G -F 2059 T 0.34 0.50 0.16 F-E 0.50 2059 T 0.34 0.16 CSI -Size- ----Lumber----E -D 0.51 2463 T 0.41 0.10 Trusses Manufactured by: Mayo Truss Co. Inc. TC 0.45 2x 4 SP-#2 D -C 0.52 2463 T 0.41 0.11 BC 0.52 2x 4 SP-#2 -Webs---Analysis Conforms To: WB 0.23 2x 4SP-#2 H -I 0.03 227 T FBC2004 I -G 0.23 475 C OH Loading Brace truss as follows: G -J 0.06 431 T Soffit psf 2.0 o.c. From To J-F 0.20 723 C 1 Br Design checked for 10 psf non-0- 0- 0 38- 0- 0 TC Cont. F-B 0.20 1110 T 1 Br concurrent LL on BC. BC Cont. 0- 0- 0 38- 0- 0 F-K 723 C 0.20 1 Br Wind Loads - ANSI / ASCE 7-02 WB 1 rows CLB on J -F E -K 0.06 431 T Truss is designed as 475 C WB 1 rows CLB on F -B E -L 0.23 Components and Claddings* WB 1 rows CLB on F -K D -L 0.03 227 T for Exterior zone location. Attach CLB with (2)-10d nails Wind Speed: 110 mph TL Defl -0.30" in F -E L/999 LL Defl -0.14" in F -E L/999 at each web. Mean Roof Height: 15-0 Exposure Category: В Shear // Grain in J -B Loading Live Dead (psf) 0.24 Occupancy Factor : 1.00 TC 20.0 10.0 Building Type: Enclosed Plates for each ply each face. PLATING CONFORMS TO TPI. BC 0.0 10.0 5.0 psf TC Dead Load: 40.0 Total 20.0 20.0 BC Dead Load: 5.0 psf 24.0" REPORTS: SBCCI 9761 Spacing 2755 Lbs Max comp. force Lumber Duration Factor 1.25 ROBBINS ENGINEERING, INC. Quality Control Factor 1.25 Plate Duration Factor 1.25 BASED ON SP LUMBER TC Fb=1.15 Fc=1.10 Ft=1.10 BC Fb=1.10 Fc=1.10 Ft=1.10 USING GROSS AREA TEST. Plate - LOCK 20 Ga, Gross Area Plate - RHS 20 Ga, Gross Area Jt Type Plt Size X Y JSI Truss Design Engineer: Philip J. O'Regan License #: 58126 Address: P.O. Box 280055, Tampa, FL 33682 Plus 9 Wind Load Case(s) LOCK 4.0x 6.0 Ctr 0.1 0.72 1 UBC LL Load Case(s) LOCK 5.0x 7.0-0.2 0.5 0.76 Plus J LOCK 3.0x 7.0 Ctr Ctr 0.43 React Uplft Size Req'd LOCK 5.0x 5.0 Ctr Ctr 0.69 В Lbs Lbs In-Sx In-Sx K LOCK 3.0x 7.0 Ctr Ctr 0.43

5.0x 7.0 0.2 0.5 0.76

4.0x 6.0 Ctr 0.1 0.72

2.0x 4.0 Ctr Ctr 0.46

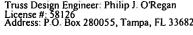
5.0x 7.0 Ctr-0.5 0.77

4.0x 8.0 Ctr Ctr 0.43

5.0x 7.0 Ctr-0.5 0.77

2.0x 4.0 Ctr Ctr 0.46

Robbins Engineering, Inc.





0.33 0.30

0.30

0.30

0.30

1648

1648

0.45

0.44

0.41

0.41

0.44

0.45

С

I

J -B

В -K

K -L

-.T

-C

5- 8

Hz =

5-8

Hz =

0.12

0.14

0.11

0.11

0.14

0.12

-----Top Chords-----

225

Membr CSI P Lbs Axl-CSI-Bnd

2755 C

2298 C

1701 C

1701 C

2298 C

2755 C

1-15

-203

1-15

204

L

C

Н

G F

E

LOCK

LOCK

LOCK

LOCK

LOCK

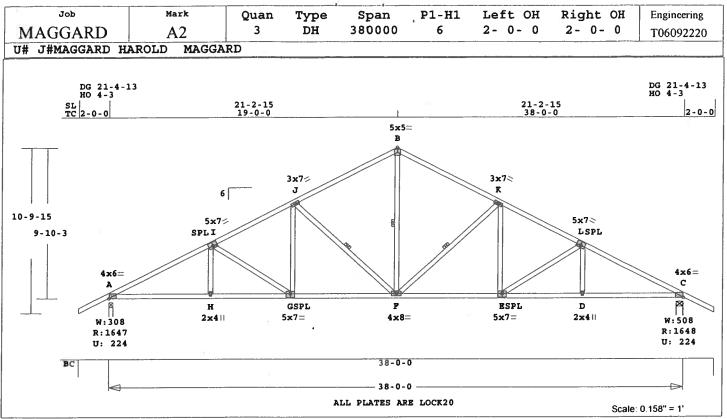
LOCK

LOCK

REVIEWED BY:

PO Box 280055

Tampa, FL 33682



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 268.7 LBS REFER TO ROBBINS ENG. GENERAL -----Bottom Chords-----A -H 0.52 2463 T 0.41 0.11 NOTES AND SYMBOLS SHEET FOR Online Plus -- Version 19.5.025 H-G 0.51 2463 T 0.41 0.10 ADDITIONAL SPECIFICATIONS. 0.50 0.34 RUN DATE: 22-SEP-06 G-F 2059 T 0.16 F-E 0.50 2059 T 0.34 0.16 NOTES: CSI -Size- ----Lumber----E -D 0.51 2463 T 0.41 0.10 Trusses Manufactured by: Mayo Truss Co. Inc. 2x 4 SP-#2 TC 0.45 D -C 0.52 2463 T 0.41 0.11 -Webs-----BC 0.52 2x 4 SP-#2 Analysis Conforms To: 0.23 2x 4SP-#2 H -I 0.03 227 T FBC2004 475 C I-G 0.23 OH Loading 431 T Brace truss as follows: G-J 0.06 Soffit psf 2.0 723 C O.C. From To J-F 0.20 1 Br Design checked for 10 psf non-0- 0- 0 38- 0- 0 1 Br TC Cont. F -B 0.20 1110 T concurrent LL on BC. 0- 0- 0 38- 0- 0 F-K 0.20 723 C 1 Br Wind Loads - ANSI / ASCE 7-02 BC Cont. WB 1 rows CLB on J -F E -K 0.06 431 T Truss is designed as 0.23 475 C Components and Claddings* WB 1 rows CLB on F -B -L WB 1 rows CLB on F -K -L 0.03 227 T for Exterior zone location. Attach CLB with (2)-10d nails Wind Speed: 110 mph TL Defl -0.30" in F -E L/999
LL Defl -0.14" in F -E L/999
Shear // Grain in J -B 0.24 Mean Roof Height: at each web. Exposure Category: В Occupancy Factor : 1.00 Loading Live Dead (psf) Building Type: Enclosed 20.0 10.0 TC TC Dead Load: BC 0.0 10.0 Plates for each ply each face. 5.0 psf PLATING CONFORMS TO TPI. 5.0 psf 40.0 BC Dead Load: Total 20.0 20.0 24.0" REPORTS: SBCCI 9761 2755 Lbs Spacing Max comp. force Lumber Duration Factor 1.25 ROBBINS ENGINEERING, INC. Quality Control Factor 1.25 Plate Duration Factor 1.25 BASED ON SP LUMBER TC Fb=1.15 Fc=1.10 Ft=1.10 BC Fb=1.10 Fc=1.10 Ft=1.10 USING GROSS AREA TEST. Plate - LOCK 20 Ga, Gross Area Plate - RHS 20 Ga, Gross Area Jt Type Plt Size X Y JSI Truss Design Engineer: Philip J. O'Regan 4.0x 6.0 Ctr 0.1 0.72 Plus 9 Wind Load Case(s) LOCK License #: 58126 Address: P.O. Box 280055, Tampa, FL 33682 1 UBC LL Load Case(s) LOCK 5.0x 7.0-0.2 0.5 0.76 J LOCK 3.0x 7.0 Ctr Ctr 0.43 React Uplft Size Req'd LOCK 5.0x 5.0 Ctr Ctr 0.69 В 3.0x 7.0 Ctr Ctr 0.43 Lbs Lbs In-Sx In-Sx K LOCK LOCK 5.0x 7.0 0.2 0.5 0.76 A 1648 3-8 1-15 L -203 C 4.0x 6.0 Ctr 0.1 0.72 LOCK Hz =225 LOCK 2.0x 4.0 Ctr Ctr 0.46 C 1648 5-8 1-15 Н

5.0x 7.0 Ctr-0.5 0.77

4.0x 8.0 Ctr Ctr 0.43 5.0x 7.0 Ctr-0.5 0.77

2.0x 4.0 Ctr Ctr 0.46

Robbins Engineering, Inc.



0.30

0.30

0.30

0.30

204

G

F

 \mathbf{E}

D

LOCK

LOCK

LOCK

LOCK

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Tampa, FL 33682

Hz =

0.12

0.14

0.11

0.11

0.14

0.12

-----Top Chords-----

Membr CSI P Lbs Axl-CSI-Bnd

2755 C

2298 C

1701 C

1701 C

2298 C

2755 C

0.45

0.44

0.41

0.41

0.44

0.45

A -I

-J

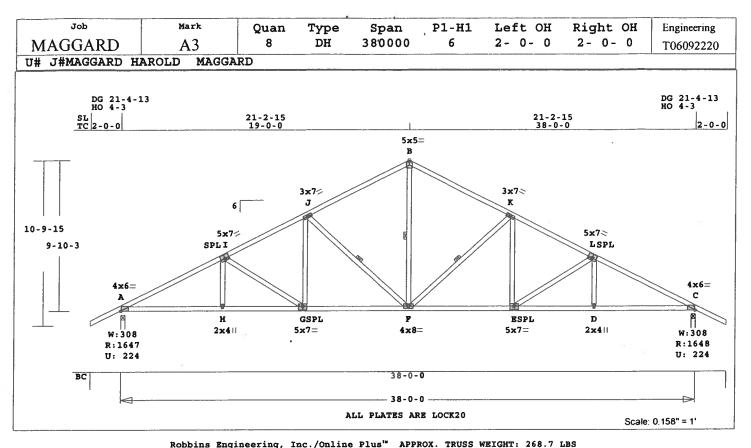
-K

-C

I

J -B

K -L



-----Bottom Chords-----A -H 0.52 2463 T 0.41 0.11 Online Plus -- Version 19.5.025 H-G 0.51 2463 T 0.41 0.10 RUN DATE: 22-SEP-06 G-F 0.50 2059 T 0.34 0.16 0.16 0.10 2059 T 0.34 F -E 0.50 NOTES: CSI -Size- ----Lumber----E -D 0.51 2463 T 0.41 TC 0.45 2x 4 SP-#2 D -C 0.52 2463 T 0.41 0.11 -Webs-----ВC SP-#2 0.52 2x 4-----WB 0.23 2x 4 SP-#2 H-I 0.03 227 T FBC2004 475 C I -G 0.23 431 T 0.06 Brace truss as follows: G -J O.C. From To J - F 0.20 723 C 1 Br 0- 0- 0 38- 0- 0 F -B 1110 T 1 Br TC Cont. 0.20 BC Cont. 0- 0- 0 38- 0- 0 F -K 0.20 723 C 1 Br - K WB 1 rows CLB on J -F E 0.06 431 T WB 1 rows CLB on F -B -L 0.23 475 C E 227 T WB 1 rows CLB on F -K -L 0.03 Attach CLB with (2)-10d nails at each web. TL Defl -0.30" in F -E L/999 LL Defl -0.14" in F -E L/999 Shear // Grain in J -B Loading 0.24 Live Dead (psf) TC 20.0 10.0 BC 0.0 10.0 Plates for each ply each face. PLATING CONFORMS TO TPI. 40.0 Total 20.0 20.0 REPORTS: SBCCI 9761 24.0" Spacing Lumber Duration Factor 1.25 ROBBINS ENGINEERING, INC. BASED ON SP LUMBER Plate Duration Factor 1.25 TC Fb=1.15 Fc=1.10 Ft=1.10 BC Fb=1.10 Fc=1.10 Ft=1.10 USING GROSS AREA TEST. Plate - LOCK 20 Ga, Gross Area Plate - RHS 20 Ga, Gross Area Jt Type Plt Size X Y JSI Plus 9 Wind Load Case(s) 4.0x 6.0 Ctr 0.1 0.72 LOCK А Plus 1 UBC LL Load Case(s) LOCK 5.0x 7.0-0.2 0.5 0.76 3.0x 7.0 Ctr Ctr 0.43 LOCK React Uplft Size Req'd LOCK 5.0x 5.0 Ctr Ctr 0.69 В 3.0x 7.0 Ctr Ctr 0.43 Lbs Lbs In-Sx In-Sx K LOCK 3-8 1-15 LOCK 5.0x 7.0 0.2 0.5 0.76 1648 -203 C LOCK 4.0x 6.0 Ctr 0.1 0.72 Hz =225 C 1648 3 - 8 LOCK 2.0x 4.0 Ctr Ctr 0.46 1-15 Н Hz =204 G LOCK 5.0x 7.0 Ctr-0.5 0.77 F LOCK 4.0x 8.0 Ctr Ctr 0.43

LOCK

LOCK

 \mathbf{E}

D

REVIEWED BY: Robbins Engineering, Inc. PO Box 280055 Tampa, FL 33682

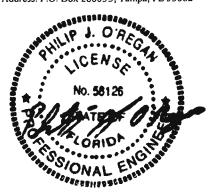
5.0x 7.0 Ctr-0.5 0.77

2.0x 4.0 Ctr Ctr 0.46

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

Trusses Manufactured by: Mayo Truss Co. Inc. Analysis Conforms To: OH Loading Soffit psf 2.0 Design checked for 10 psf nonconcurrent LL on BC. Wind Loads - ANSI / ASCE 7-02 Truss is designed as Components and Claddings* for Exterior zone location. Wind Speed: 110 mph Mean Roof Height: 15-0 Exposure Category: B Occupancy Factor: 1.00 Building Type: Enclosed TC Dead Load: 5.0 psf BC Dead Load: 5.0 psf 2755 Lbs Max comp. force Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan License #: 58126 Address: P.O. Box 280055, Tampa, FL 33682



0.33

0.30

0.30

0.30

0.30

Membr CSI P Lbs Axl-CSI-Bnd

-----Top Chords-----

2755 C

2298 C

1701 C

1701 C

2298 C

2755 C

0.12

0.14

0.11

0.11

0.14

0.12

0.45

0.44

0.41

0.41

0.44

0.45

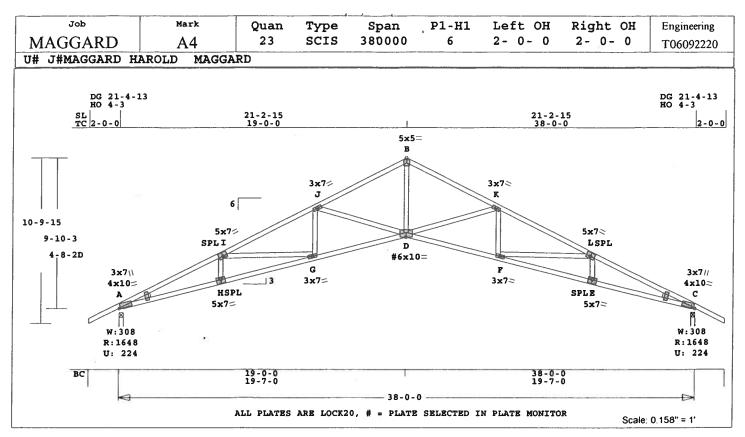
I -J

K -L

-B

-K

-C

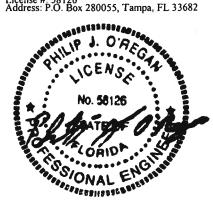


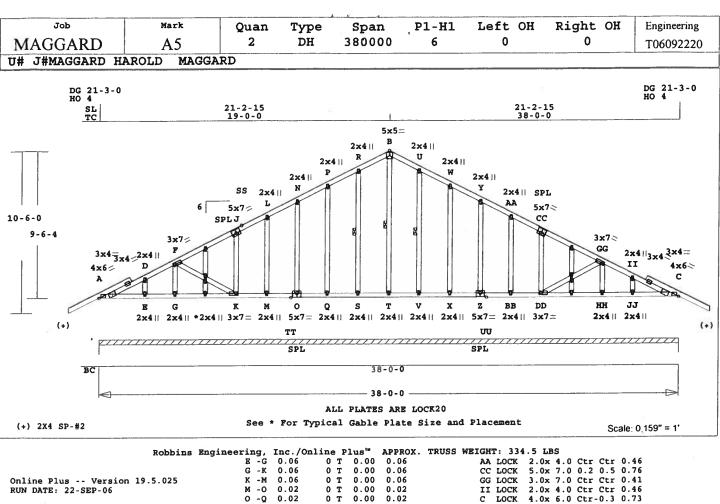
Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 240.0 LBS D-F 0.62 4010 T 0.52 0.10 F-E 0.77 4735 T 0.62 0.15 Online Plus -- Version 19.5.025 0.91 4726 T E -C 0.79 0.12 RUN DATE: 22-SEP-06 -Webs--H -I 0.02 192 T CSI -Size- ----Lumber----698 C -G 0.34 TC 0.82 2x 4 SP-#2 G -J 0.06 424 T SP-#2 996 C BC 0.91 2x 4 J-D 0.49 EX H -D 2x 4 SP-#1 D-B 0.47 2588 T RX D -R 2x 4 SP-#1 D -K 0.49 996 C WB 0.49 2x 4 SP-#2 F - K 0.06 424 T 2x 4 SP-#2 F -L 0.34 698 C E -L 0.02 192 T Brace truss as follows: -0.98" in D -F To TL Defl L/457 O.C. From -0.48" in D -F TC Cont. 0- 0- 0 38- 0- 0 LL Defl L/941 0- 0- 0 38- 0- 0 Hz Disp BC Cont. LLDLTL 0.36" Jt C 0.36" 0.72" (psf) Loading Live Dead Shear // Grain in I -J 0.24 20.0 10.0 TC 0.0 BC 10.0 Plates for each ply each face. PLATING CONFORMS TO TPI. Total 20.0 20.0 40.0 Spacing 24.0" REPORTS: SBCCI 9761 Lumber Duration Factor 1.25 ROBBINS ENGINEERING, INC. Plate Duration Factor BASED ON SP LUMBER 1.25 USING GROSS AREA TEST. TC Fb=1.15 Fc=1.10 Ft=1.10 Plate - LOCK 20 Ga, Gross Area BC Fb=1.10 Fc=1.10 Ft=1.10 Plate - RHS 20 Ga, Gross Area Plt Size X Jt Type Y JSI 4.0x10.0 0.4 0.4 0.96 Plus 9 Wind Load Case(s) LOCK Plus 1 UBC LL Load Case(s) LOCK 3.0x 7.0 Ctr Ctr 0.00 LOCK 5.0x 7.0-0.2 0.5 0.76 React Uplft Size Req'd J LOCK 3.0x 7.0 Ctr Ctr 0.41 Jt 5.0x 5.0 Ctr Ctr 0.84 Lbs Lbs In-Sx In-Sx LOCK В 3.0x 7.0 Ctr Ctr 0.41 1-15 A 1648 225 3 - 8 K LOCK Hz =-203 L LOCK 5.0x 7.0 0.2 0.5 0.76 C 1648 225 3-8 1-15 С LOCK 4.0x10.0-0.4 0.4 0.96 Hz = LOCK 3.0x 7.0 Ctr Ctr 0.00 205 Н LOCK 5.0x 7.0 0.1-0.5 0.92 Membr CSI P Lbs Axl-CSI-Bnd LOCK 3.0x 7.0 Ctr Ctr 0.84 G ----Top Chords-----D# LOCK 6.0x10.0 Ctr-0.6 0.73 0.28 0.21 0.49 A -I 5135 C F LOCK 3.0x 7.0 Ctr Ctr 0.84 I -J 0.82 4343 C 0.32 0.50 ĸ LOCK 5.0x 7.0-0.1-0.5 0.92 J -B 0.47 3285 C 0.17 В - K 0.47 3285 C 0.17 0.30 # = Plate Monitor used K -L 0.82 4343 C 0.32 0.50 L 0.49 5135 C 0.28 0.21 REVIEWED BY: -C Robbins Engineering, Inc. --Bottom Chords---4726 T 0.79 0.12 A -H 0.91 PO Box 280055 Н -G 0.77 4736 T 0.62 0.15 Tampa, FL 33682 4010 T 0.52 0.10 0.62

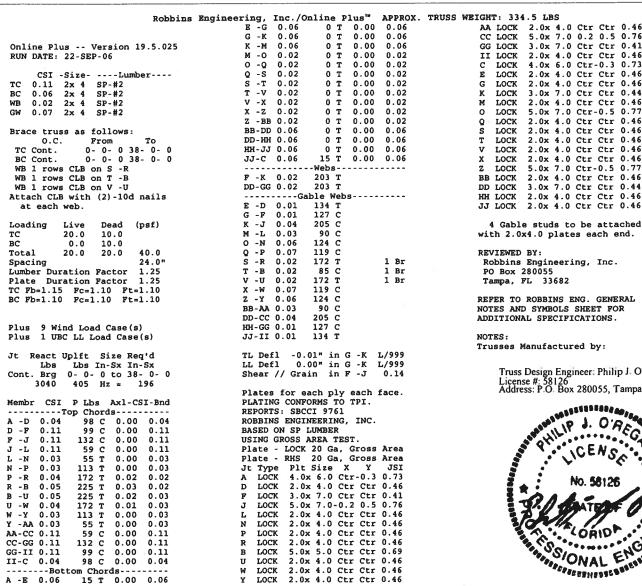
IGHT: 240.0 LBS
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES: Trusses Manufactured by: Mayo Truss Co. Inc. Analysis Conforms To: FBC2004 OH Loading Soffit psf 2.0 Design checked for 10 psf nonconcurrent LL on BC. NOTE: USER MODIFIED PLATES This design may have plates selected through a plate monitor. Wind Loads - ANSI / ASCE 7-02 Truss is designed as Components and Claddings* for Exterior zone location. Wind Speed: Mean Roof Height: Exposure Category: B Occupancy Factor : 1.00 Building Type: Enclosed TC Dead Load: 5.0 psf BC Dead Load: 5.0 psf 5135 Lbs Max comp. force Quality Control Factor 1.25

> Truss Design Engineer: Philip J. O'Regan License #: 58126 Address: P.O. Box 280055, Tampa, FL 33682









Ctr Ctr 0.44

Ctr Ctr 0.46

Ctr Ctr 0.46

Ctr Ctr 0.46

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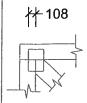
Date Sealed: 9/22/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MAGGARD	A5	2	DH	380000	° 6	0	0	T06092220
U# J#MAGGARD H	AROLD MAGGA	RD						

Mayo Truss Co. Inc. Analysis Conforms To: FBC2004 WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate. Design checked for 10 psf non-concurrent LL on BC. Prevent truss rotation at all bearing locations.
Refer to Gen Det 3 series for web bracing and plating. Wind Loads - ANSI / ASCE 7-02 Truss is designed as Components and Claddings* for Exterior zone location. Wind Speed: 110 mph Mean Roof Height: 15-0 Exposure Category: B Occupancy Factor : 1.00 Building Type: Enclosed TC Dead Load: 5.0 5.0 psf 5.0 psf BC Dead Load: Max comp. force 205 Lbs Quality Control Factor 1.25 205 Lbs

ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE



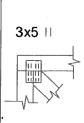
(W) = Wide Face Plate(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.



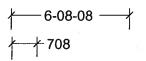
PLATE SIZE AND ORIENTATION

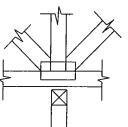


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





W = Actual Bearing Width (IN-SX) R = Reaction (Ibs.) U = Uplift (Ibs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on truss design drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with "National Design Specifications for Wood Construction" (AF & PA)," National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and "dominoing". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS FABRICATOR.



6904 Parke East Blvd. Tampa, Fl 33610-4115 Tel: 813-972-1135 Fax: 813-971-6117

www.robbinseng.com



NATIONAL CERTIFIED TESTING LABORATORIES

1464 GEMINI BOULEVARD • ORLANDO, FLORIDA 32837 PHONE (407) 240-1356 • FAX (407) 240-8882

STRUCTURAL PERFORMANCE TEST REPORT

REPORT NO.: NCTL-210-2065-4 TEST DATE: 07-16-98 REPORT DATE: 07-31-98 EXPIRATION DATE: 07-31-02

CLIENT: Better Bilt Aluminum Products

704 12th Avenue Smyrna, TN 37167

TEST SPECIMEN: Better Bilt Aluminum Product's Series "420" (Type "OXX") Aluminum Sliding Glass Door. (SGD-C35) (Insulated Glazed) (with and without sill riser)

TEST SPECIFICATION: AAMA/NWWDA/101/I.S. 2-97, "Voluntary Specifications for Aluminum Vinyl (PVC) and Wood Windows and Sliding Glass Doors."

TEST SPECIMEN DESCRIPTION

GENERAL: The sample tested was a three panel type "OXX" aluminum sliding glass door measuring 15'1-3/4" wide by 6'10-1/8" high overall. The active panels measured 5'0-1/2" wide by 6'9-1/8" high; the fixed panel measured 5'0-7/8" wide by 6'9-1/8" high. Frame and panel members were not thermally broken. A plastic spacer/guide was used at each panel head/stile corner. The fixed panel was secured to the jamb with two (2) 3" long aluminum angle retainers each fastened to the jamb stile with two (2) (# 8 x 3/4") pan head screws. One claw-type door lock assembly was located at 40" from the bottom of each active panel lock stile each with the keeper fastened and secured to the fixed meeting stile and the right jamb stile at lock position with two (2) screws. One adjustable metal double roller assembly was used at each end of the active bottom rails. The frame was of double screw coped corner construction. Panel corners were of single screw at the bottom rail and double screw at the top rail coped corner construction. The interior vertical sill leg employed an extruded aluminum 1-1/8" high extension; an overall height of 2.031. One (1) aluminum panel retainer was fastened at 2" from the end of each active panel bottom rail. One (1) extruded aluminum screen adapter was fastened to the butt stile with five (5) (# 8 x 1/2") screws. One (1) extruded aluminum screen adapter was fastened to the butt stile using five (5) (# 8 x 1/2") screws.

INSTALLATION: The main frame was fastened to the wood test buck using forty-eight (48) (# 8 x 1-1/2") FHS. (See fastener diagram)

GLAZING: All panels were channel glazed using sealed insulated glass. The overall insulating glass thickness was 5/8" consisting of two (2) pieces of 3/16" clear tempered glass and one (1) air space created by desiccant-filled aluminum spacer system. One (1) extruded aluminum female panel adapter was located at the fixed panel.

WSTP: Double strips of centerfin weatherstrip (0.270" high) were located at each jamb, stile, lock stile. A double strip of centerfin weatherstrip (0.180" high) was located at each interlock stile. A double strip of centerfin weatherstrip (0.250" high) was located at each panel top rail. A double strip of side fin weatherstrip (.430" high) was located at each panel bottom rail. An adhesive back polypile dust plug measuring 1-3/16" x 13/16" x 0.420" was located on the head and sill at each end of vertical stile exterior track

wy. N.

WEEPS: One weep notch measuring 1-1/2" x leg height was located at each end of each of the interior sill roller leg, exterior sill roller leg and the screen sill roller leg.

INTERIOR & EXTERIOR SURFACE FINISH: Non painted aluminum.

SEALANT: Frame and panel bottom rail corners were sealed with a small-joint sealant.

SCREEN: Two (2) insect screens, one center insect screen measuring 5'0-1/4" wide by 7'11" high; Both were of coped type corner construction. The screen employed fiberglass mesh cloth with a hollow vinyl spline. One roller assembly was located at each end of the bottom rails. One (1) claw-type lock assembly.

TEST RESULTS

PARAGRAPH NO.	TITLE OF T	<u>est</u>	MEASURED	ALLOWED
** 2.2.19.5.	Operating Ford	ce		
	Center Active	Panel		£0
	To Open		20# max.	30#
	In Motion		5 # max.	20#
	Right Active Pa	anel		
	To Open		18 # max.	30 #
	In Motion		3 # max.	20#
** 2.1.2	Air Infiltration			
	1.57 psf (15	mph)	Pass	0.30 CFM/FT ²
** 2.1.3	* Water Resistance	ce - 5.0 GPH/FT ²		
	$WTP = 4.50 \mathrm{j}$	psf	No Entry	No Entry
2.1.4.2	Uniform Load S	Structural		
	45.0 psf exter		0.251"	0.328"
	45.0 psf inter	rior	0.267"	0.328"
**2.2.19.5.2	Deglazing			
	Center Active P	anel		
	Top Rail	(50#)	10.2% (0.051")	< 100%
	Bottom Rail	(50#)	7.8% (0.039")	< 100%
	Left Stile	(70#)	6.0% (0.030°)	< 100%
	Right Stile	(70#)	5.4% (0.027")	< 100%
	Right Active Pa	nel		
	Top Rail	(50#)	8.4% (0.042")	< 100%
	Bottom Rail	(50#)	8.4% (0.042")	< 100%
	Left Stile	(70#)	8.0% (0.040")	< 100%
	Right Stile	(70#)	6.2% (0.031")	< 100%

OPTIONAL PERFORMANCE

* Water Resistance - (5.0 GPH/FT²) WTP = 5.25 psf

No Entry

No Entry

Note: At this point in testing an additional sill riser was attached to the existing main sill's interior vertical leg.

The following results were obtained:

** 4.3	* Water Resistance - (5.0 GPH/FT ²) WTP - 6.00 psf	No Entry	No Entry
4.4.2	Uniform Structural Load		
	52.5 psf exterior	0.301"	0.328"
180	52.5 psf interior	0.317"	0.328"

TEST COMPLETED: 07-16-98

In addition, Better Bilt Aluminum Products' Series "430" and "440" also receive an SGD-C35 rating being identical in panel construction and interior sill heights.

This test specimen meets the performance criteria level of SGD-C35 of the AAMA/NWWDA/101/I.S. 2-97 specification.

Detailed drawings were available for laboratory records and compared to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by NCTL for a period of four (4) years. The results obtained apply only to the specimen tested.

> NATIONAL CERTIFIED TESTING LABORATORIES, INC.

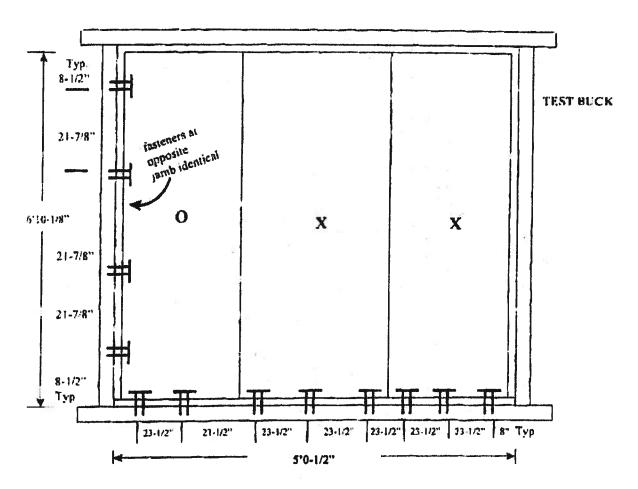
MICHAEL E. LANE Division Manager

Garyol orlos MELIO 8/5/99.

^{*}Test performed with and without insect screen.

^{**} Reference parent test report no. NCTL-210-2065-1 for test results and qualifications.

FASTENER LOCATIONS



The test specimen was fin mounted to the test buck using forty-eight (48) (# 8×1 -1/2") screws at locations shown.

Denotes double row (2) at each location.

NOTE: Head fasteners identical to sill both jamb fastening identical

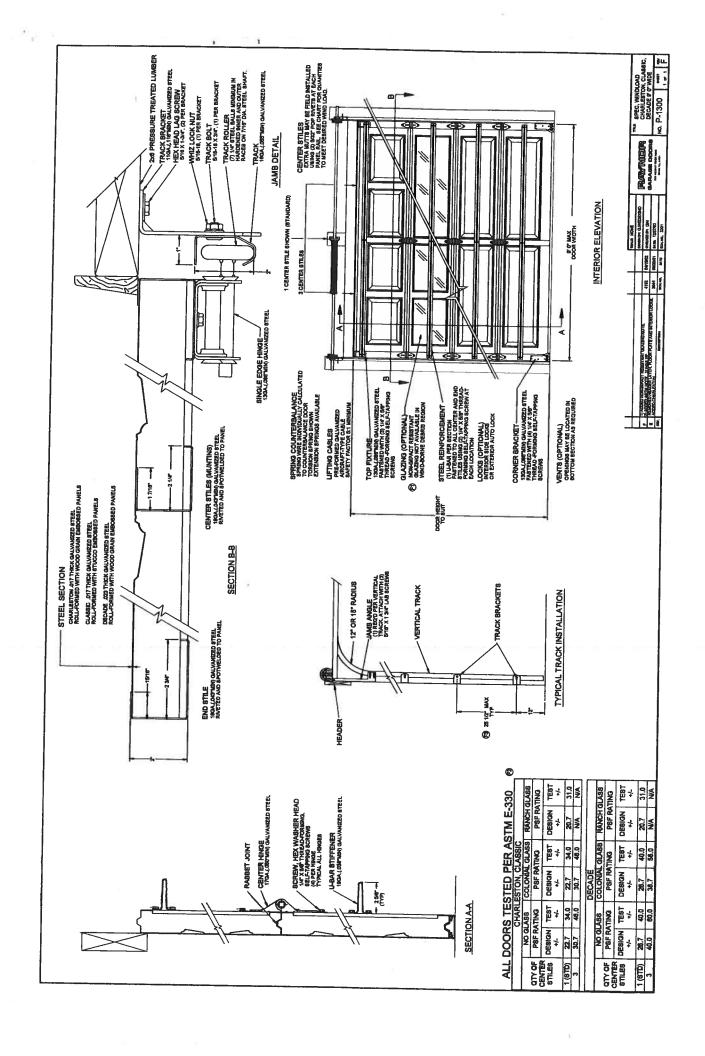
METRO DADE COUNTY REQUIRED

NATIONAL CERTIFIED TESTING LABORATORIES INC.

JOB NO .: NCTL-210-2065-3 & 4

COMPANY: BETTER BILT

TEST DATE: 07-15-98





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PRESTIQUE® HIGH DEFINITIONS



RAISED PROFILES

Prestique Plus High Definition and Prestique Gallery Collection		Raised Profile		
Product size 134'x 393' Exposure 500 PisosafBundis 18 BundisafSquare 488.5 sq.ft. Squaress/Palket 11	20-year finited werranky period: 5-7**pears non-promited coverage for abhingles and application lebor with prorated coverage for remainder of limited werranky period, ples an option for trensferability*. 5-year limited wind werranky*. Wind Coverage, standard 80 mph, extended 110 mph**	Product size13/1/x 38/1 Exposure8/1 Proces/Bundle22 Bundles/Square3/100 sq.ft. Squares/Pallet18	30-year finded warranty parted: 5-7-years non-provided coverage for shingles and application labor with provided coverage for remainder of limited warranty period, plus an option for transferability*, 5-year limited with	
Prestique I High Definition				
Product size13ifx 389f		HIP AND RIDGE SHINGLES Seal-A-Ridge" w/FLX" Size: 12"x 12" Size: 12"x 13" Exposure: 80" Pleosa/Bundla: 48 Coverage: 4 Bundles = 100 linear feet WHELE SHINGLES Coverage: 5 boxes = 100 linear feet		
Product eize 13%'x 38)'C Exposure 5%'' Places/Bundle 22 Bundles/Square 3/100 sq.ft. Squares/Pallet 18	30-year limited werrenty period: 5.7" years non-promited coverage for shingles and application is bor with prorested coverage for remainder of limited werranty peech, plus an option fer transferability*. 6-year limited with werranty*, Wind Coverage; standard 80 mph.	Elk Starter Strip 92 Bundies/Pallet 18 Palleta/Tuok 938 Bundies/Tuok 18 Piccos/Bundie 1 Bundie = 120.33 Knear feat	ang makan badan kelabah 1979 da malah Pangalahanan badan da menjada kelaban	

Aveilable Celera (Check Availability): Antique Siste, Wastherschwood, Shakewood, Sablewood, Hickory, Barkwood, Farast Green, Wadpowood, Eirchner Gestery Collection: Balvam Forest*, Weethered Sego*, Stenne Susset*.

All Prestique, Raleed Profile and Seel-J-Ridge, and Prestique Starter Strip reofing products contain sealant which activates with the sun's heat, bonding chingles into a wind and weather resistant cover that recists blow-offs and leafus.

Check for availability with built-in StainGuard' treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of signs.

All Presiders and Related Profile chingles meet UL-Wind Recision (UL 987) and Class "A" Fire Radings (UL 780); and ASTM Specifications D 2015, Type-4; D 3161, Type-4; E 108 and the requirements of ASTM D 2462.

All Prestique and Refeed Preftie chingine have opproved from the Florida Suitiding Gode Commission, Metro-Dade County, ICSO, and Texas Department of Insurance.

"See orded Sudied vaccously for excellence and fundations."

"Bloody a descript, S.M.S. des every peer van-granted States in a special point of the special overage Paried agains exty value a left 2th Beef System is installed with the original businishm of the Albuston, all in otherstance with Mily and in type and Edge obliquies on all light and ridges. The Businer Brite and and all the end of the control of the control of the Albuston and the Albu

SPECIFICATIONS

Score: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Calor shall be (name of calor). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (fleshing, vents, etc.) to be painted with metahing Elk roof accessory paint.

Prevalence or Roar Back: Roof deck to be dry, well-sessoned 1" x 5" (25.4mm x 182.4mm) boards; exterior-grade physical (exposure 1 rated sheething) at lesst 2/5" (8.228mm) thick conforming to the specifications of the American Physical Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant physical decks are NOT approved substrates for Ek-chingles. Consult Elk Field Service for application specifications over other decks and other slopes.

Muserials: Underlayment for standard roof slopes, 4" per foot (101,8/204,8mm) or greater: apply non-perforated No. 15 or 30 exphalt-esturated fast underlayment. For Low slopes[4" per foot (101,8/204,8mm) to a minimum of 2" per foot (60,8/304,8mm), use two piec of underlayment overlapped a minimum of 18". Featurers shall be of sufficient length and holding power for securing metarial as required by the application instructions printed on shingle wrapps.

For areas where signs is a problem, chingles shall be (name) with StainGuard treatment, as menufactured by the Elk Tuzosloces plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elik end printed on the beak of every shingle bundle. All warrenties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to most Elik application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elik accept application requirements less than those contained in its application instructions.

For specifications in GSI format, call 800.384.SPEC (7732) or e-mail specinfo@elkaorp.com.

SOUTHEAST & ATLANTIC OFFICE: 800.945.5551

CORPORATE HEADQUARTERS: 800.354.7732

PLANT LOCATION: 800,945,5545



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DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Exis application instructions are the minimum required to meet Exis application requirements. Year fellow to follow these instructions may used the predict werrants, in some erase, the helding codes may require additional application techniques are mathetic largered existences of the code code must be followed. Under its oriounstances will Eth accept application requirements that are less than those printed here. Single-should not be formed digitally together. All etties should be properly vanished, Note; it is not recessary to remove tape or beat of ableste. property variable.

O DOCK PRIFARATION

Reaf desite should be stry, well-seatoned 1' x 8' hounds or exterior grade physical minimum 2/8' think and conform to the specifications of the American Physicad Association or 7/18' onlined stransbaard, or 7/18' oliphound.

O UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 20 aughoit assurated fait). Els Verasatissie or self adhering underlayment is also acceptable. Cover ditp edge at saves only.

tero exceptance, verw may may no serve unity. For low should'the up of 4712, semplately cover the deat with two place of underlayment overstapping a minimum of 19°. Begin by fastering a 16° voids sarp of anothisyment leaved should be even. Place a full 35° voids wheet over the starter, horizontally placed stang the eaves and complexity overlapping the course strip, starter strip.

RAVE PLANIMO FOR ICE MANS (ARK A ROOFING CONTRACTOR, REPER TO ANIMA MARIJAL OR ONEOK LOCAL GODES)

For standard dope (A/12 to res them 2/1/2), we costed red roofing of no leve than 80 pounds ever the felt undertayment extending from the even edge to a point at least 20 beyond the institute well of the lifes papee below or one layer of a sett-adhered save and finalism management.

For low slape (2/12 up to 4/12), use a castisueus layer of esphalt please comment between the now pieze of underlyment from the eave edge up roof to a point of least of beginning the under the lising space below or one layer of a self-adhered cove and

Consult the Elk Technical Services Department aspecifications over other decise and other slepes. riment for application

STARTER SHINGLE COLERE

USE AN ELK STARTOR STREP OR THE MEADLAP OF A STRIP SHINGLE WITH THE ADMENDED STREP POSITIONED AT THE EARLE EDGE. With at least 3" witnessed from the sand of the first shingle, etert at the rate edge overlanging the serve and rates edges 1/2" to 3/4". Featers 2" from the lower edge and 1" from each side.

THE TOURSE

Start at rake and contin Start at raice and continue opurse with full stringles leid flush with the starter seurns. Ethingles may be applied with a course sligament of 48° on the ract

BEGUND COURSE

Offset the assend course of thingles with respect to the first by approximately 5°. Other offsets are approved if greats/then 4°. THE COURSE

Offset the next course by 8" with respect to the second ocurse, or consistent with the original offset.

O FOURTH COURSE

Start at the rate and continue with full shingles across roof. PUPTH AND EUROCEEDING COURSES.

separt application as shown for second, third, and fourth courses. Do not reak shingles straight up the cost. Offsets may be adjusted around velices and penetrations.

VALLEY COMETRUCTION

Open, woven and closed out veilings are asseptiate when applied by Asphalt Rooting Measufacturing Association (ARIAM), recommended pressives. For metal veiley, use 25' wide vertical underlayment prior to applying metal fleshing (secure edge with easily). He nells are to be within 8' of veilby center.

O RIDGE CONSTRUCTION

For ridge construction Elk recommende Clase "A" Z'Ridge or Seal-A-Ridge" with formula FLK" or RidgeCrees" with FLK (Gee ridge peology for installation instructional, Vented RidgeCreat or 3-tab shingles are also approved.

White noting is the preferred method for Elk shingles, Elk will accept featuring methods according to the following instructions.

Using the former line as a reference, and or stagle the obligate in the deaths thickness common hand area. For ellegies without a feature line, nalls or stagles must be placed between earlier.

While souther use.

AVAILE: Corrective resistant, 2/6" head, minimum 12-gauge rooting radia. Elt recommends 1-1/4" for new roots and 1-1/4" for roof-civers, in cases where you are applying shingles to a root that the an exposed overhang, for new roots only, 2/4" ring shart notic are allowed to be used from the sevel's edge to a point up the root that is post the outside well line. It ring shaek nells allowed for re-root. to per the distance were next. I first entered the territorial statement of the statement o appearance and can prevent seeling.

Fastmers about the long enough to obtain 1/4" dest penetration or penetration through deat, whichever is less. This produces the requirements of the IRC 2000 code when fastened with

ENDTIADILYTA GRASIKAN

Correct featuring is critical to the performance of the roof. Far stopes consecuting 85° (or 21/2) use six features per shingle. Leasts features in the features area. If there such side edge with the remaining four features equally epaced along the length of the doubts thickness Haminstad area. Only featuring methods according to the seberts.

LIMITED WIND WARRANTY

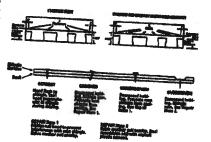
- For a Limited Wind Warrenty, all Presidue and Raised Profilers shingles must be applied with 4 property placed featurers, or in the case of memoral applications, 8 properly placed featurers
- per etingle.

 For a Linked Wind Warrenty up to 110 MPH for Prestique Gallery Collection or Practique Plus or 80 MPH for Prestique I, shinghe must be explain with 8 expectly placed MALLS par shingle. SHINGLER APPLIED WITH STAPLES WILL MOT CULALLY FOR THIS EMMANGED LIMITED WIND WARRANTY.

 Also, Ex Starter Strip shingles must be applied at the severa and rate adject to qualify Prestique Plus. Prestique Seitary Collection and Practique I stingles for this enhanced Limited Wind Wervanty. Under no circumstance should the Elle Shingles or the Ex Santer Strip overhang the saves or rake edge more than 346 of an inch.

HRLP STOP SLOW-OFFS AND GALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the winder. Nalle or staples must be please along - and through - the "fastener line" or a products without fastener lines, sell or staple between and in line with sealant data. CAUTION: On not use fastener line for shlouds alterment.



Refer to local codes which in some areas may require epacific application techniques beyond times list has specified. All Practices and Relead Profile shingles have a U.L.O. Wind Resistance Rating when applied in accordance with three instructions using nabs or steples on re-roots as well as new

CALITIZATIO WHOLESALER Careless and improper storage or handling case harm fibergless ablogies. Keep these shingles completely contrast, for, recessably seel, and protected from the weather, Do not alone seem welcomessee of heat, Do not store to entight until application of heat and protected from the store in direct configuration with a store of the champing of the heat should the format will be the that the meterial that has been alored the longest will be the first to be record out.



AAMA/NWWDA 101/LS.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 450/650/850 TYPE: H-C30 54 x 90; H-C40 52 x 72*

Title of Test	Summary	of Results
AAMA Rating Uniform Load Deflection Test Pressure Operating Force Air Infiltration Water Resistance Test Pressure Uniform Structural Load Test Pressure Deglazing Forced Entry Resistance	Test Specimen #1 H-C30 54 x 90 35.0 psf 20 lb max. 0.27 cfm/ft ² 5.25 psf 45.0 psf Passed Grade 10	Test Specimen #2 H-C40 52 x 72* 47.0 psf N/A N/A 6.0 psf 70.5 psf N/A

Reference should be made to ATI Report No. 01-37589.02 for complete test specimen

allen M. Reum



TEST REPORT

Rendered to:

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

> Report No: 01-37589.02 Test Date: 06/15/00 Thru: 06/29/00

Report Date: 06/06/02 **Expiration Date:**

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness performance testing on two Series/Model 450/650/850, aluminum single hung windows at their facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: H-C30 54 x 90; Test

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/LS.2-97, Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.

Test Specimen Description

Series/Model: 450/650/850

Type: Aluminum Single Hung Window

Test Specimen #1: Gateway Performance Specimen H-C30 54 x 90 rating

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

Active Sash Size: 4'4" wide by 3'9-3/4" high

Fixed Daylight Opening Size: 4' 1-1/2" wide by 3' 6-1/2" high

Screen Size: 4'2-1/4" wide by 3'8-1/2" high

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

28 JONE ZEAZ



Test Specimen #2: H-C40 52 x 72*

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

Active Sash Size: 4' 2" wide by 3' 0-1/2" high

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

Screen Size: 4'0" wide by 2'11" high

The following descriptions apply to all specimens.

Finish: All aluminum was painted.

Glazing Details: The lites utilized 5/8" thick sealed insulating glass units fabricated from two sheets of 3/32" clear annealed glass and an interceptTM spacer system. The sash was channel glazed with a flexible gasket. The fixed lite was interior glazed onto single-sided adhesive foam tape and secured with extruded PVC glazing beads.

Weatherstripping:

Description	Quantity	Location
0.210" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Stites
0.300" diameter by 0.187" backed foam filled vinyl bulb gasket	1 Row	Bottom rail
0.400" high by 1/2" square polypile dust plug	4	One on each sash corner
Pama Camata at		

Frame Construction: Series/Model 450 frame was constructed of thermally broken extruded aluminum with coped, butted and sealed corners. The fixed meeting rail was constructed of an extruded aluminum member with coped, butted and sealed ends fastened with two #8 x 1/4" screws. Series/Model 650 frame was constructed of extruded aluminum. Series/Model 850 frame was constructed of thermally broken extruded aluminum members.

Sash Construction: The Series/Model 450 sash members were constructed of thermally broken extruded aluminum members with coped, butted and sealed corners fastened with one #8 x 1-1/4" screw. Series/Model 650 sash was constructed of extruded aluminum.

Screen Construction: The screen was constructed of rolled-aluminum members with plastic keyed corners. The fiberglass mesh was secured with a flexible spline.

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Hardware:

Description	Quantity	Location
Plastic snap latch	1	Midspan of bottom rail
Block and tackle balance system	2	One per jamb
Plastic tilt latch	2	One on each end of sash meeting rail
Metal pivot bar	2	One on each end of bottom rail
rainaga. Classat -111		

Drainage: Sloped sill

Reinforcement: No reinforcement.

Installation: The test unit was installed into the nominal 2" x 8" Spruce-Pine-Fir #2 wood test buck utilizing the nailing fin secured with 1" long galvanized roofing nails, 6" from each corner and every 18" on center. The nailing fin was also bedded in polyurethane. The exterior perimeter was blind stopped with wood members and secured with #8 x 3" screws every 24" on center.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	Title of Test - Test Method	Results	Allowed
Test Specime	n #1: Gateway Performance Speci	men H-C30 54 x 90	3 300 77 04
2.2.1.6.1	Operating Force	20 lbs	45 lbs max
Note #1. The	Air Infiltration (ASTM E 283) @ 1.57 psf (25 mph)	0.27 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) (with and without screen) WTP = 4.5 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the fixed meeting (Loads were held for 33 seconds)		•
**	@ 35.0 psf (positive) @ 35.0 psf (negative)	0.27" 0.73"*	0.36" brax. G30° max.

^{*} Exceeds L/175 for deflection but meets all other test requirements.

allen Mr. Russ



Test Results:

<u>Pa</u>	ragraph	Title of Test - Test Method	Results	A31
Te	st Specimen	#1: Gateway Performance Specime	n H-C30 54 x 90 (Ca	Allowed
2.1	.4.2	Uniform Load Structural (ASTM F (Measurements reported were taken (Loads were held for 10 seconds) @ 45.0 psf (positive) @ 45.0 psf (negative)	330-97) n on the fixed meeting 0.03"	
2.2	.1.6.2	Deglazing Test (ASTM E 987-88) In operating direction at 70 lbs	0.04"	0.21" max
		Meeting rail Bottom rail	0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100%
		In remaining direction at 50 lbs		
		Left stile Right stile	0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100%
2.1.	8	Forced Entry Resistance (ASTM F	588-97)	
		Type: A Grade: 10		
		Lock Manipulation Test	No entry	No entry
	•	Test A1 thru A5	No entry	No entry
	5	Test A7	No entry	No entry
	1	Lock Manipulation Test	No entry	No entry

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Test Results:

Paragraph

Title of Test - Test Method

Results

Allowed

Test Specimen #1: Gateway Performance Specimen H-C30 54 x 90 (Continued)

Optional Performance

4.3

Water Resistance (ASTM E 547)

(with and without screen)

WTP = 5.25 psf

No leakage

No leakage

Test Specimen #2: H-C40 52 x 72*

Optional Performance

4.3

Water Resistance (ASTM E 547 and ASTM E 331)

(with and without screen)

WTP = 6.0 psf

No leakage

No leakage

Uniform Load Deflection (ASTM E 330)

(Measurements reported were taken on the fixed meeting rail)

(Loads were held for 33 seconds)

@ 47.0 psf (positive) @ 47.0 psf (negative)

0.04"

0.30" max

0.03"

0.30" max.

Uniform Load Structural (ASTM E 330)

(Measurements reported were taken on the fixed meeting rail) (Loads were held for 10 seconds)

@ 70.5 psf (positive) @ 70.5 psf (negative)

0.07" 0.04" 0.21" max. 0.21" 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.

For ARCHITECTURAL TESTING, INC

Technician

MAH:baw 01-37589.02

Director - Engineering Services

24 JUNE 2002



DOCUMENT CONTROL ADDENDUM #01-37589.00

Current Issue Date: 06/06/02

Report No.: 01-37589.01

Requested by: Scott Gill, MI Home Products, Inc.

Purpose: AAMA/NWWDA 101/I.S.2-97 testing on Series/Model 450, aluminum single

Issued Date: 09/11/00

Comments: Certification copy to John Smith at Associated Laboratories, Inc.

Report No.: 01-37589.02

Requested by: William Emley, MI Home Products, Inc. Purpose: Revised Report No. 01-37589.01.

Issued Date: 06/06/02

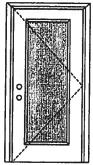
Comments: Added Series/Model 650/850. Florida P.E. seal required on report

Certification copy to John Smith at Associated Laboratories, Inc.

Built.

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



1

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

Note:

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

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

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed — see MAD-WL-MA0001-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES: 1/4 GLASS:











1/2 GLASS:















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

Johnson EntrySystems

June 17, 2002 Our continuing program of product improvement makes specifications, design and product data I subject to change without notice.



WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES: 3/4 GLASS:







FULL GLASS:











CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH MIAMI-DADE BCCO PA202

> COMPANY NAME CITY, STATE

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

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



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

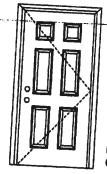
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WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

Single Door

Design Pressure

+66.0/-66.0

Imited 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 building design and geographic location is determined by ASCE 7-national, state or focal building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:





























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WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

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

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

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

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

COMPANY NAME CITY, STATE

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

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

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

Johnson' EntrySystems

June 17, 2002 Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



AAMA/NWWDA 101/LS.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 450/650/850 TYPE: H-C30 54 x 90; H-C40 52 x 72*

Title of Test	Summary of Results	
AAMA Rating Uniform Load Deflection Test Pressure Operating Force Air Infiltration Water Resistance Test Pressure Uniform Structural Load Test Pressure Deglazing Forced Entry Resistance	Test Specimen #1 H-C30 54 x 90 35.0 psf 20 lb max. 0.27 cfm/ft ² 5.25 psf 45.0 psf Passed Grade 10	Test Specimen #2 H-C40 52 x 72* 47.0 psf N/A N/A 6.0 psf 70.5 psf N/A

Reference should be made to ATI Report No. 01-37589.02 for complete test specimen

allen M. Remarks



TEST REPORT

Rendered to:

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

Report No: 01-37589.02

Test Date: 06/15/00

Thru: 06/29/00 Report Date:

06/06/02 **Expiration Date:**

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. 06/29/04 to witness performance testing on two Series/Model 450/650/850, aluminum single hung windows at their facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: H-C30 54 x 90; Test

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/LS 2-97, Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.

Test Specimen Description

Series/Model: 450/650/850

Type: Aluminum Single Hung Window

Test Specimen #1: Gateway Performance Specimen H-C30 54 x 90 rating

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

Active Sash Size: 4'4" wide by 3'9-3/4" high

Fixed Daylight Opening Size: 4' 1-1/2" wide by 3' 6-1/2" high

Screen Size: 4'2-1/4" wide by 3'8-1/2" high

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

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Test Specimen #2: H-C40 52 x 72*

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

Active Sash Size: 4' 2" wide by 3' 0-1/2" high

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

Screen Size: 4' 0" wide by 2' 11" high

The following descriptions apply to all specimens.

Finish: All aluminum was painted.

Glazing Details: The lites utilized 5/8" thick sealed insulating glass units fabricated from two sheets of 3/32" clear annealed glass and an interceptTM spacer system. The sash was channel glazed with a flexible gasket. The fixed lite was interior glazed onto single-sided adhesive foam tape and secured with extruded PVC glazing beads.

Weatherstripping:

Quantity	Location
1 Row	Fixed meeting rail
2 Rows	Stiles
1 Row	Bottom rail
4	One on each sash corner
	1 Row 2 Rows 1 Row

Frame Construction: Series/Model 450 frame was constructed of thermally broken extruded aluminum with coped, butted and sealed corners. The fixed meeting rail was constructed of an extruded aluminum member with coped, butted and sealed ends fastened with two #8 x 1/4" screws. Series/Model 650 frame was constructed of extruded aluminum. Series/Model 850 frame was constructed of thermally broken extruded aluminum members.

Sash Construction: The Series/Model 450 sash members were constructed of thermally broken extruded aluminum members with coped, butted and sealed corners fastened with one #8 x 1-1/4" screw. Series/Model 650 sash was constructed of extruded aluminum.

Screen Construction: The screen was constructed of rolled-aluminum members with plastic keyed corners. The fiberglass mesh was secured with a flexible spline.

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Hardware:

Description	Quantity	Location
Plastic snap latch	1	Midspan of bottom rail
Block and tackle balance system	2	One per jamb
Plastic tilt latch	2	One on each end of sash meeting rail
Metal pivot bar	2	One on each end of bottom rail
rainage: Clared -:11		

Drainage: Sloped sill

Reinforcement: No reinforcement.

Installation: The test unit was installed into the nominal 2" x 8" Spruce-Pine-Fir #2 wood test buck utilizing the nailing fin secured with 1" long galvanized roofing nails, 6" from each corner and every 18" on center. The nailing fin was also bedded in polyurethane. The exterior perimeter was blind stopped with wood members and secured with #8 x 3" screws every 24" on center.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Total Total		
= makenbu	Title of Test - Test Method	<u>Results</u>	Allowed
Test Speci	men #1: Gateway Performance Specia	men H-C30 54 x 9()
2.2.1.6.1	Operating Force	20 lbs	45 lbs max
	Air Infiltration (ASTM E 283) @ 1.57 psf (25 mph)	0.27 cfm/ft ²	0.30 cfm/ft ² max.
Note #1: 1 101/I.S. 2-9	The tested specimen meets the perfor 17 for air infiltration.	mance levels spec	ified in AAMA/NWWDA
	Water Resistance (ASTM E 547) (with and without screen) WTP = 4.5 psf		
	W 11 - 4.5 psi	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM (Measurements reported were take (Loads were held for 33 seconds)	E 330-97) an on the fixed mee	_
* Eveneda I	@ 35.0 psf (positive)	0.27" 0.73"*	0.36" beax. 0;30° max.

^{*} Exceeds L/175 for deflection but meets all other test requirements.

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Test Results:

<u>Paragraph</u>	Title of Test - Test Method	Results	Allowed
Test Specime	en #1: Gateway Performance Specin		(Continued)
2.1.4.2	Uniform Load Structural (ASTM (Measurements reported were take (Loads were held for 10 seconds) @ 45.0 psf (positive)	E 330-97) en on the fixed med 0.03"	
2.2.1.6.2	@ 45.0 psf (negative) Deglazing Test (ASTM E 987-88) In operating direction at 70 lbs	0.04"	0.21" max
	Meeting rail Bottom rail	0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100%
	In remaining direction at 50 lbs		
	Left stile Right stile	0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100%
2.1.8	Forced Entry Resistance (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

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Test Results:

Paragraph

Title of Test - Test Method

Results

Allowed

Test Specimen #1: Gateway Performance Specimen H-C30 54 x 90 (Continued)

Optional Performance

4.3

Water Resistance (ASTM E 547)

(with and without screen)

WTP = 5.25 psf

No leakage

No leakage

Test Specimen #2: H-C40 52 x 72*

Optional Performance

4.3

Water Resistance (ASTM E 547 and ASTM E 331)

(with and without screen)

WTP = 6.0 psf

No leakage

No leakage

Uniform Load Deflection (ASTM E 330)

(Measurements reported were taken on the fixed meeting rail)

(Loads were held for 33 seconds)

@ 47.0 psf (positive)

0.04"

0.30" max.

@ 47.0 psf (negative)

0.03"

0.30" max.

Uniform Load Structural (ASTM E 330)

(Measurements reported were taken on the fixed meeting rail)
(Loads were held for 10 seconds)

@ 70.5 psf (positive)

@ 70.5 psf (negative)

0.07" 0.04"

0.21" max. 0.21" 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.

For ARCHITECTURAL TESTING, INC

Mark A. Hess

Technician

MAH:baw 01-37589.02 Allen N. Reeves, P.E.

Director - Engineering Services

24 JUNE 2002



DOCUMENT CONTROL ADDENDUM #01-37589.00

Current Issue Date: 06/06/02

Report No.: 01-37589.01

Requested by: Scott Gill, MI Home Products, Inc.

Purpose: AAMA/NWWDA 101/I.S.2-97 testing on Series/Model 450, aluminum single hung window.

Issued Date: 09/11/00

Comments: Certification copy to John Smith at Associated Laboratories, Inc.

Report No.: 01-37589.02

Requested by: William Emley, MI Home Products, Inc. Purpose: Revised Report No. 01-37589.01.
Issued Date: 06/06/02

Comments: Added Series/Model 650/850. Florida P.E. seal required on report

Certification copy to John Smith at Associated Laboratories, Inc.



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

Rendered to:

MI HOME PRODUCTS, INC.

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

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf
Operating Ross	-47.2 psf
Air Infiltration	II lb max
Water Resistance	$0.13 \text{cfm/} \Omega^2$
Structural Test Pressure	6.00 psf
	+67.5 psf
Deglazing	-70.8 psf
orced Entry Resistance	Passed Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen / For ARCHITECTURAL TESTING DIG

Mark A. Hess, Technician

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

Rendered to

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

Report No: 01-41134.01

Test Date: 03/0

03/07/02 03/26/02

Report Date: Expiration Date:

03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foars tape and 11.

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

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Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail
_		

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with
Plastic tilt latch	2	keeper adjacent on fixed meeting rail
Metal tilt pin	2	Active sash, meeting rail ends
Balance assembly	2	Active sash, bottom rail ends One in each jamb
Screen plunger	2	4" from rail ends on top rail 110, 1823
		TATE 27

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Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a scalant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragrap!	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max
Note #1:	The tested engineer mant it		THE THE

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 54' (with and without screen)	7-00)	
	WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTI (Measurements reported were ta (Loads were held for 33 seconds	bon on the	
	@ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" * 0.43" *	0.26" max. 0.26" max.
*Exceeds L/	175 for deflection but access to		THUA.

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

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2.1.4.2	Uniform Load Structural (ASTM (Measurements reported were tak (Loads were held for 10 seconds)	An 41 .
	@ 38.9 psf (positive)	0.000

@ 38.9 psf (positive) 0.02" 0.18" max. 0.18" max.

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	- (
Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail Bottom rail	0.12"/25% 0.12"/25%	0.50"/100% 0.50"/100%
	In remaining direction at 50 lbs		
	Left stile Right stile	0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100%
	Forced Entry Resistance (ASTM	F 588-97)	
	Type: A Grade: 10	·	
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5 Test A7	No entry No entry	No entry No entry
	Lock Manipulation Test	No entry	No entry
Optional Per	formance		
4.3	Water Resistance (ASTM E 547-0 (with and without screen) WTP = 6.00 psf	0) No leakage	No tosta
	Uniform Load Deflection (ASTM) (Measurements reported were taken (Loads were held for 33 seconds)	P 220 0=>	No leakage
*Exceeds L/17	@ 45.0 psf (positive) @ 47.2 psf (negative) 5 for deflection, but passes all other t	0.47"• 0.46"•	0.26" max. 0.26" max.
	The state of the s	and man = 1 to 10	

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

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 67.5 psf (positive) @ 70.8 psf (negative) 0.05" 0.05"



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:

h 1. W Technician

MAH:nlb 01-41134.01 Allen N. Reeves, P.E.

Director - Engineering Services

I APRIL 2002





TECH. ____

REPORT ON IN-PLACE DENSITY TESTS

Permit # 0000253

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

74	
CLIENT: Pete Richardson	
PROJECT: Maggerd 625 5W Kingra	OC+. fact Conite
AREA TESTED: Fill & plap. Ridg. pad	
COURSE: F/G	DEPTH OF TEST:
TYPE OF TEST: ASTMD 2922	DATE TESTED: 8-1-07
NOTE: The below tests DO/DO NOT meet the minimum of maximum density.	% compaction requirements
REMARKS:	4

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	MOIST.	OPT. MOIST.
		15.5			14.5
ADD 10 NWOF SE COINCE	124.3		98.9	7.9	1
ADD 10 NWOF SE COINCE					
App 36. NW of SF corner	124.8		99.3	9.0	
158 Blds pail					
App. 5'SE of NW come of	102.8		97.4	8.1	
Blos pad					
		2 11			
		A			
		V			
					4404

4	4	0	4

0000 25 327

Columbia Co Building permits 4-25-08

I Am Requesting An extension
of permit # 000025327 issued in
columbia county. for 625 5W Kinaed ct
Fort while FL 32038,
Primary structure is complete,
but As owner builders we are needing
more time to finish detail work so
it is completed to one satisfaction.

KARENE HAROLD MASSAND 625 SW Kinded d. Fort while FL 32038 Permit # 000025327



COLUMBIA COUNTY, FLORIDA

partment of Building and Zoning Inspection

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

Parcel Number 05-6S-16-03773-004 Building permit No. 000025327

Use Classification SFD, UTILITY

Permit Holder OWNER BUILDER

Fire: 0.00

Owner of Building HAROLD & KAREN MAGGARD

Total: Waste: 0.00

Building Inspector

Date: 07/10/2008 Location: 625 SW KINARD CT, FT. WHITE, FL

POST IN A CONSPICUOUS PLACE (Business Places Only)



UNIVERSAL

ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering •
Environmental Sciences • Construction Materials Testing

REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3	3392 Permit # 000025307
CLIENT: Pete Richardson	
PROJECT: Maggard 625 5W H	cinced Ct. fait white
AREA TESTED: Fill & pips Billo pa	J
COURSE: F/G	DEPTH OF TEST:
TYPE OF TEST: ASTMD 2922	DATE TESTED: 8-1-07
NOTE: The below tests DO /DO NOT meet the minim of maximum density.	um <u>95</u> % compaction requirements
REMARKS:	

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	MOIST.	OPT. MOIST.
		15.5			14.5
ADD 10 NW OF SE CULTER	134.3	100	98.9	7.9	1
And IN NU OF SE COME				4	
Ann 36 MJ & SE CHORE	104.8		99.3	9.0	
App 36 NIS of SF coince					
Am. 5'SF CNW Charles	102.8		97.4	8.1	
App. 5'SE of NW come of					
					k
					nes e
	7				
		, , , , , , , , , , , , , , , , , , ,			
		1/			W
		<u> </u>			4404

TECH.