38766 **Columbia County Building Permit Application** CE#1066 Revised 9-23

For Office Use Only Application # 0602-73 Date Received 2/22/06 By G Permit # 24228

Application Approved by - Zoning Official _____ Date _____ Plans Examiner OKSTH Date 3-6-0

Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____

Comments Town of Ft. White letter ~~Ecb needed~~ City water / ~~septic~~

Applicants Name Royale Custom Homes Inc Eli Rhizement Phone 352-514-3178

Address 16304 NW 208th WAY HIGH SPRINGS FL 32643

Owners Name FROMHOLT Carolyn + Raymond Phone 9372742088

911 Address 221 SW DEPOT WAY, FORT WHITE, FL 32038

Contractors Name ROYALE CUSTOM HOMES INC Phone 352-514-3600

Address 16304 NW 208th WAY HIGH SPRINGS FL 32643

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address PHIL CALACINO 352-472-3462

Mortgage Lenders Name & Address Coldwell Banker, Stacy Parrish 866-563-9641 / Ext 46441

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

Property ID Number 040-5S-103 34-6S-16 Estimated Cost of Construction 100,000

Subdivision Name FORT WHITE STATION - Lot 3 Block ____ Unit ____ Phase ____

Driving Directions 475, TL on 27 TL on CR 18 in FT WHITE TAKE EAST (TR) DEPOT WAY LOT IS ON LEFT w/ SIGN - see #3 5th lot on left

Type of Construction FRAME Number of Existing Dwellings on Property NONE

Total Acreage .50 Lot Size 100x200 Do you need a - Culvert Permit (Ft. White) or Culvert Waiver or Have an Existing Dr

Actual Distance of Structure from Property Lines - Front 62 Side 22.5' Side 22.5 Rear 89'

Total Building Height 18' 1 1/2" Number of Stories 1 Heated Floor Area 1450 Roof Pitch 7:12

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

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

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number CRC 1326315

Competency Card Number _____

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

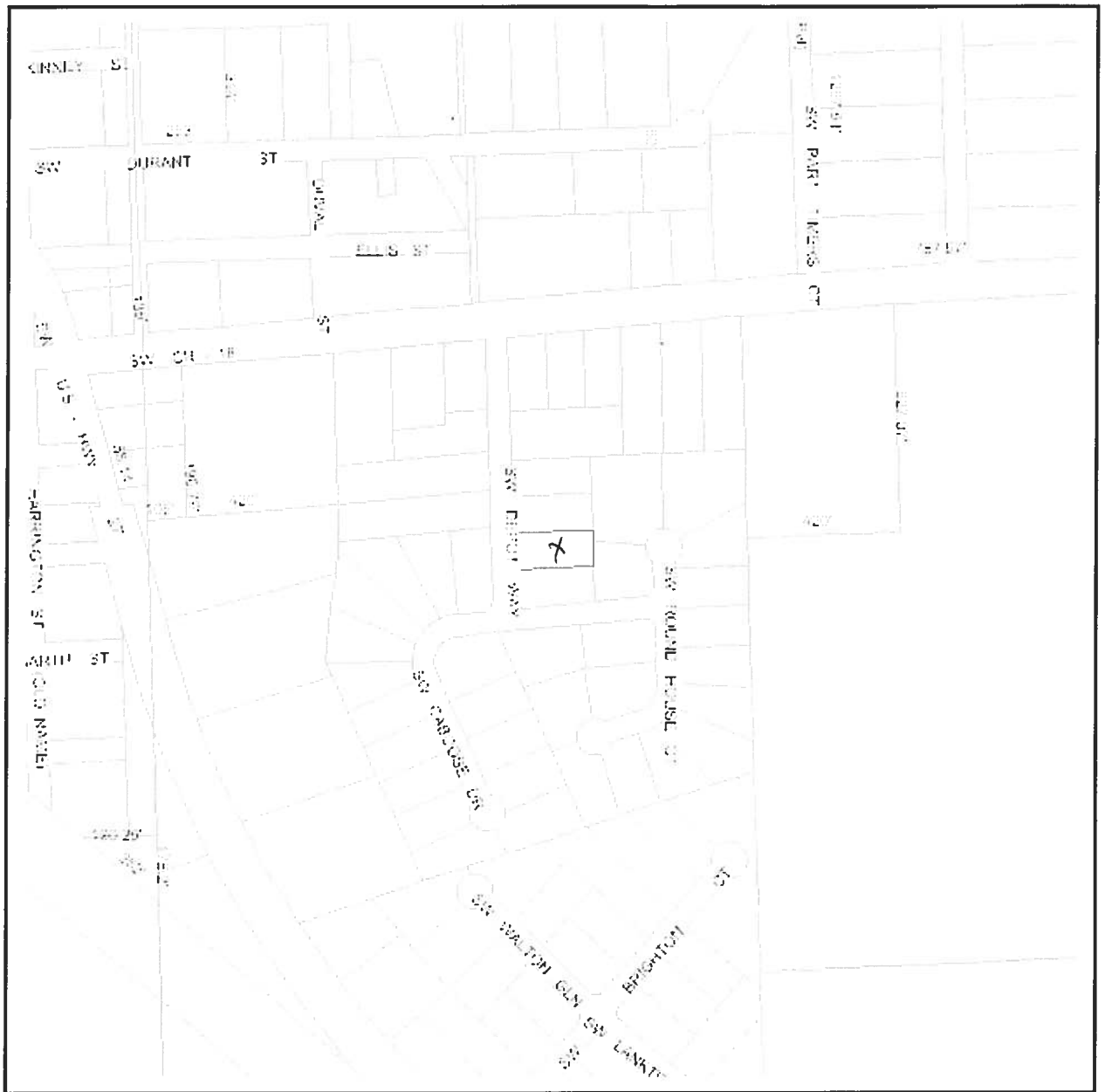
Sworn to (or affirmed) and subscribed before me

this 21 day of February 2006.

Personally known _____ or Produced Identification ✓ FL DL.

Notary Signature Marilyn Vanover

MARILYN VANOVER
MY COMMISSION # DD 097189
EXPIRES: March 5, 2006
Bonded Thru Notary Public Underwriters



Columbia County Property Appraiser

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

PARCEL: 34-6S-16-04059-103 - VACANT (000000)

LOT 3 FORT WHITE STATION S/D. ORB 666-262, 710-646, WD 1037-2803.

Name:	ROYALE CUSTOM HOMES INC	LandVal	$10,500.00
Site:	FORT WHITE STATION	BldgVal	$0.00
Mail:	P O BOX 2179 HIGH SPRINGS, FL 32655	ApprVal	$10,500.00
		JustVal	$10,500.00
Sales	2/10/2005 $15,000.00 V / Q	Assd	$10,500.00
Info	2/2/1990 $10,000.00 V / Q	Exmpt	$0.00
		Taxable	$10,500.00

0 190 380 570 ft

This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Town of Fort White

Post Office Box 129 Fort White, Florida 32038-0129
Town Hall - (386) 497-2321 • Public Works - (386) 497-3345
Email: townofftwhite@alltel.com • Web site: Townoffortwhitefl.com

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

OWNER'S NAME: Raymond & Caroline Fromholdt

ADDRESS: 221 SW Depot Way Fort White, FL 32038

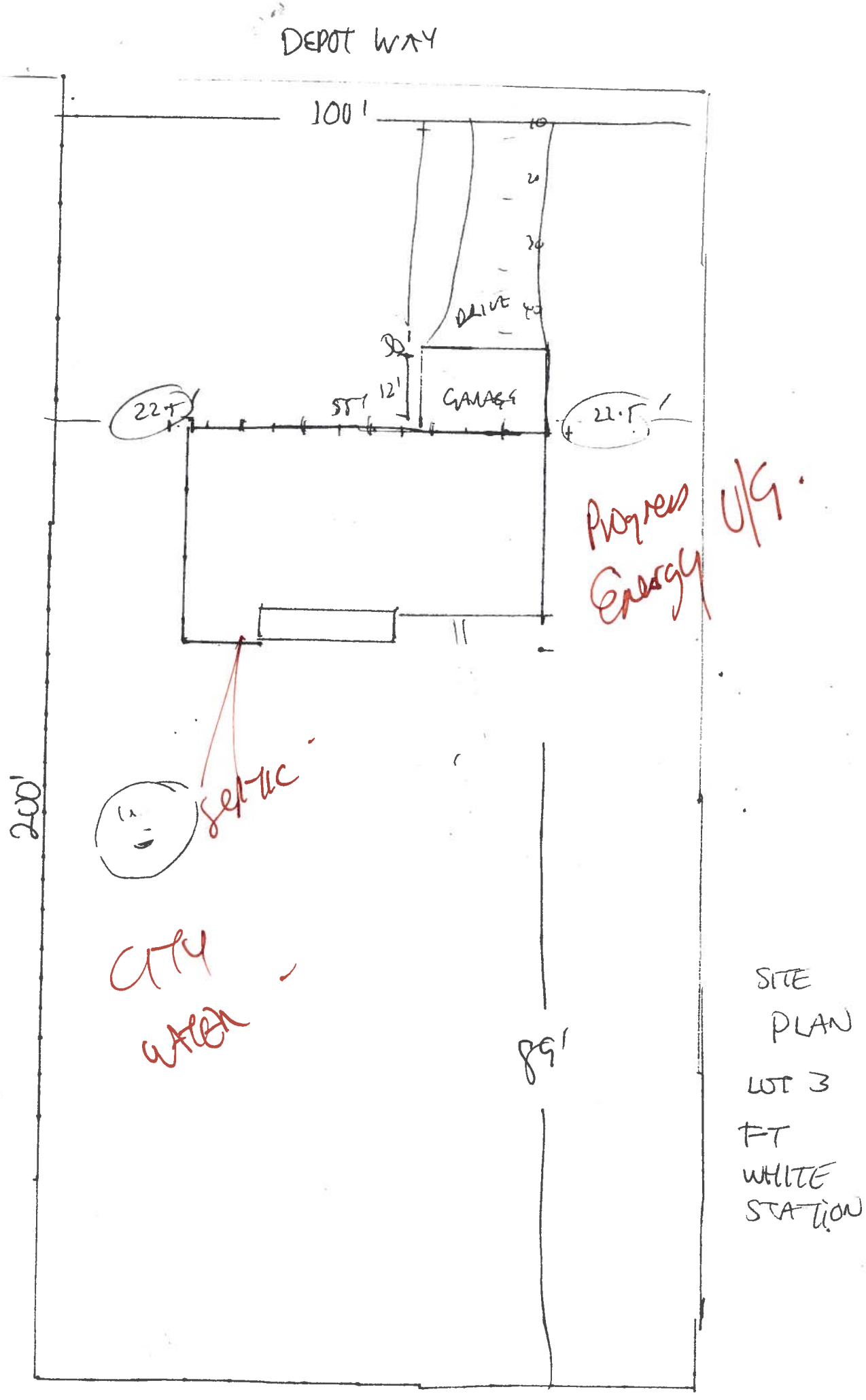
PROPERTY DESCRIPTION: Single Family Dwelling
(parcel number if possible) Lot #3 4059-103

DEVELOPMENT: Single Family Dwelling

You are hereby authorized to issue the appropriate building permits.

02/17/06
DATE

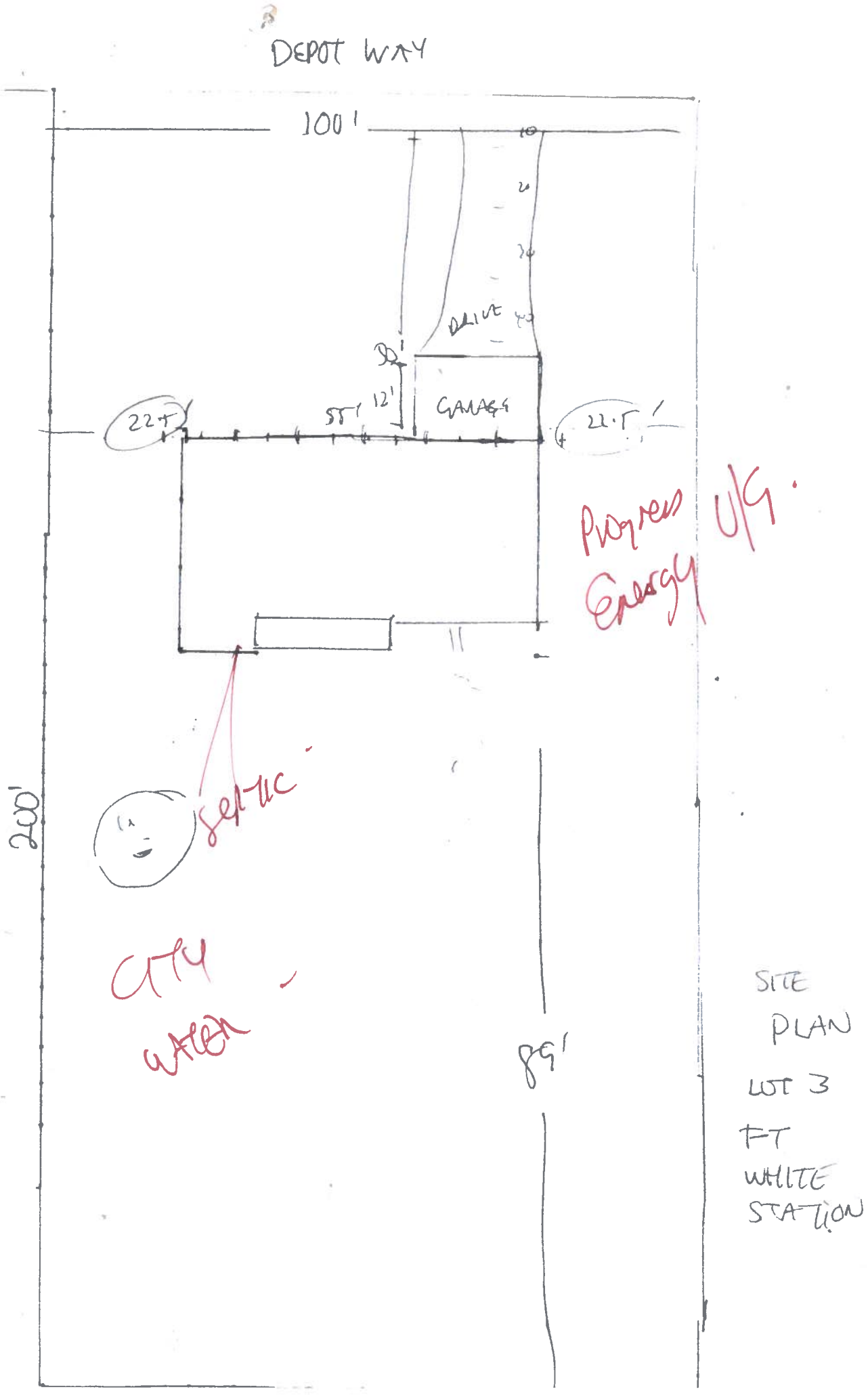
James E. Revels Kw
LAND DEVELOPMENT REGULATION
ADMINISTRATOR
TOWN OF FORT WHITE



SITE PLAN

LOT 3

FT WHITE STATION


DEPOT WAY
100'
DRIVE
30'
12'
55'
GARAGE
22.5'
22.5'
Propane
Energy U/G.
SEPTIC
CITY
WATER
200'
89'
SITE
PLAN
LOT 3
FT
WHITE
STATION

18.50
196.00

Prepared by and Return to:
Mary T. Dotson an employee of
Alachua Title Services, LLC
P.O. Box 2408 (32616), 16407 N.W. 174th Drive, Suite C
Alachua, Florida 32615
386-418-8183

File Number: 06-004

Inst:2006003774 Date:02/15/2006 Time:12:47
Doc Stamp-Deed : 196.00
DC,P.DeWitt Cason,Columbia County B:1074 P:579

CORPORATE WARRANTY DEED

This Indenture, made February 10, 2006 A.D., by and between **Royale Custom Homes, Inc., a corporation existing under the laws of the State of Florida**, whose post office address is 16304 NW 208th Way, High Springs, Florida 32643 , Grantor and **Carolyn C. Fromholt and Raymond P. Fromholt, wife and husband** whose post office address is 2809 Ottello Avenue, Dayton, Ohio 45414, Grantee,

Witnesseth, that the said Grantor, for and in consideration of the sum of Ten and No/100 Dollars ($10.00), to it in hand paid by the said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee forever, the following described land, situate, lying and being in the County of **Columbia**, State of Florida, to wit:

Lot 3 of FORT WHITE STATION, a subdivision, according to the Plat thereof as recorded in Plat Book 5, Page(s) 128, of the Public Records of Columbia County, Florida.

Parcel Identification Number: R04059-103

Subject to covenants, conditions, restrictions, easements of record, and taxes for the current year.

And the said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

In Witness Whereof, the said Grantor has caused this instrument to be executed in its name by its duly authorized officer and caused its corporate seal to be affixed the day and year first above written.

Signed, sealed and delivered in the presence of these witnesses:

Witness Signature
Print Name: MARY T. DOTSON

Witness Signature
Print Name: JEFF WOLFE

Royale Custom Homes, Inc.

By: _____
Tina Prizament, President

(Corporate Seal)

pg 2 Deed from Royale Custom Homes
to Fromholtz

State of Florida

County of Alachua

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED before me on February ~~10~~ 13, 2006, by Tina Prizament, as President of and on behalf of Royale Custom Homes, Inc., a corporation existing under the laws of the State of Florida. Who is personally known to me or has produced a valid driver's license as identification.

Mary T. Dotson
NOTARY PUBLIC

Notary Print Name
My Commission Expires:_____

Mary T Dotson
My Commission DD256162
Expires December 18, 2007

Inst:2006003774 Date:02/15/2006 Time:12:47
Doc Stamp-Deed : 196.00
DC,P.DeWitt Cason,Columbia County B:1074 P:580

ALA TITLE
06-004

2.50
4.00
1.50

THIS INSTRUMENT PREPARED BY

Rebecca Spear, 3000 Leadenhall Road Mount Laurel, NJ 08054

RECORD AND RETURN TO:

Inst:2006003776 Date:02/15/2006 Time:12:47
MK DC,P.DeWitt Cason,Columbia County B:1074 P:601

Coldwell Banker Home Loans

2001 Bishops Gate Blvd. Mount Laurel, NJ 08054

Permit No. _____ Tax Folio No. R04059-103

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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 real property:

   See attached Exhibit A for a legal description.

   Street Address: LOT 3 SOUTHWEST DEPOT WAY
   FORT WHITE, FL 32038

2. General description of improvements: Construction of a single family residence.

3. Owner information:

   a. Name and address:

   Carolyn C Fromholt, Raymond P Fromholt
   2809 Ottello Avenue
   Dayton, Ohio 45414
   LOT 3 SOUTHWEST DEPOT WAY

   FORT WHITE, FL 32038

CF RF

Inst:2006003776 Date:02/15/2006 Time:12:47
DC,P.DeWitt Cason,Columbia County B:1074 P:602

b. Owner's interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner)

4. Contractor:

a. Name and Address: Royal Custom Homes
16304 NW 208th Way
HIGH SPRINGS, FL 32643

b. Telephone Number: 3864040975

5. Surety on any payment bond:

a. Name and address:

b. Amount of bond:

c. Telephone Number:

6. Lender: Coldwell Banker Home Loans
3000 Leadenhall Road Mount Laurel, NJ 08054

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:

a. Name and Address:

b. Telephone Number:

8. In addition to himself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:

a. Name and Address:

b. Telephone Number:

9. Expiration date of notice of commencement (the expiration date is one (1) year from the date of recording unless a different date is specified): 09/01/2007

CF RF

Inst:2006003776 Date:02/15/2006 Time:12:47
DC,P.DeWitt Cason,Columbia County B:1074 P:603

(OWNER'S NAME AND SIGNATURE)

Carolyn C. Fromholt
Carolyn C Fromholt

Raymond P Fromholt
Raymond P Fromholt

Sworn to and subscribed before me by Carolyn C. Fromholt and * who is/are personally known to me or produced DRIVER LICENSE as identification, this 10 day of FEBRUARY, 2006.
*Raymond P. Fromholt

Jacqueline S. Way
Name: JACQUELINE S. WAY
Notary Public, State of [redacted] OHIO
Commission No.:
My Commission Expires: DECEMBER 8, 2010

NOTARY PUBLIC STATE OF OHIO
JACQUELINE S. WAY
Notary Public, State of Ohio
My Commission Expires Dec. 8, 2010

First American Title Insurance Company

Agent's File Number: 06-004

Schedule A, Continuation Page

Lot 3 of FORT WHITE STATION, a subdivision, according to the Plat thereof as recorded in Plat Book 5, Page(s) 128, of the Public Records of Columbia County, Florida.

Inst:2006003776 Date:02/15/2006 Time:12:47
DC,P.DeWitt Cason,Columbia County B:1074 P:604

CF ORF

Notice of Treatment 40545

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 116 NW 16 AVE
City GVILLE Phone 376-2661

Site Location: Subdivision
Lot # Block# Permit # 24228
Address 221 S DEPOT WAY FT WHT

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

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied

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

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

6/13/06 — Date
215 — Time
Bill C — Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

40545

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 116 NW 11 Ave
City Gville Phone 376-3641

Site Location: Subdivision
Lot # Block# Permit # 24228
Address 221 S Depot Hwy ET White

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

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
MB	2265		115

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

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

3/20/06 2:50 Guy
Date Time Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Royale - 1450 Model**	Builder:	Royale Custom Homes
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	24228
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	1450 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 148.2 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 148.2 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 184.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1186.0 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 286.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 1460.0 ft²	
b.	Under Attic	R=19.0, 108.0 ft²	
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 188.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 30.0 kBtu/hr SEER: 14.50	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 30.0 kBtu/hr HSPF: 8.60	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 40.0 gallons EF: 0.89	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.10

Total as-built points: 20182
Total base points: 23659

PASS

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

PREPARED BY: _____

DATE: 1/13/06

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

OWNER/AGENT: _____

DATE: 1-17-06

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1450.0	20.04	5230.4	Double, Clear	N	4.0	5.5	45.0	19.20	0.76	658.2	
				Double, Clear	N	4.0	7.0	6.7	19.20	0.81	103.7	
				Double, Clear	S	0.0	0.0	45.0	35.87	1.00	1614.0	
				Double, Clear	S	8.0	3.5	9.0	35.87	0.44	143.2	
				Double, Clear	S	8.0	7.0	33.5	35.87	0.50	601.0	
				Double, Clear	W	0.0	0.0	9.0	38.52	1.00	346.7	
				As-Built Total:				**148.2**			**3466.8**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	286.0	0.70	200.2	Frame, Wood, Exterior			13.0	1186.0	1.50		1779.0	
Exterior	1186.0	1.70	2016.2	Frame, Wood, Adjacent			13.0	286.0	0.60		171.6	
Base Total:	**1472.0**		**2216.4**	**As-Built Total:**				**1472.0**			**1950.6**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	20.0	1.60	32.0	Exterior Insulated				20.0	4.10		82.0	
Exterior	20.0	4.10	82.0	Adjacent Insulated				20.0	1.60		32.0	
Base Total:	**40.0**		**114.0**	**As-Built Total:**				**40.0**			**114.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1450.0	1.73	2508.5	Under Attic			30.0	1460.0	1.73 X 1.00		2525.8	
				Under Attic			19.0	108.0	2.34 X 1.00		252.7	
Base Total:	**1450.0**		**2508.5**	**As-Built Total:**				**1568.0**			**2778.5**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	184.0(p)	-37.0	-6808.0	Slab-On-Grade Edge Insulation			0.0	184.0(p	-41.20		-7580.8	
Raised	0.0	0.00	0.0									
Base Total:			**-6808.0**	**As-Built Total:**				**184.0**			**-7580.8**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1450.0	10.21	14804.5					1450.0	10.21		14804.5	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 18065.8			**Summer As-Built Points:**					**15533.6**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 30000 btuh ,SEER/EFF(14.5) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
18065.8	0.4266	7706.9	15534 **15533.6**	1.00 **1.00**	(1.09 x 1.147 x 1.00) **1.250**	0.235 **0.235**	1.000 **1.000**	4571.2 **4571.2**

FORM 600A-2004 EnergyGauge® 4.1

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1450.0	12.74	3325.1	Double, Clear	N	4.0	5.5	45.0	24.58	1.01	1121.9
				Double, Clear	N	4.0	7.0	6.7	24.58	1.01	166.5
				Double, Clear	S	0.0	0.0	45.0	13.30	1.00	598.3
				Double, Clear	S	8.0	3.5	9.0	13.30	3.57	426.7
				Double, Clear	S	8.0	7.0	33.5	13.30	2.96	1320.5
				Double, Clear	W	0.0	0.0	9.0	20.73	1.00	186.6
				As-Built Total:				**148.2**			**3820.3**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	286.0	3.60	1029.6	Frame, Wood, Exterior	13.0	1186.0	3.40	4032.4
Exterior	1186.0	3.70	4388.2	Frame, Wood, Adjacent	13.0	286.0	3.30	943.8
Base Total:	**1472.0**		**5417.8**	**As-Built Total:**		**1472.0**		**4976.2**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	8.00	160.0	Exterior Insulated	20.0	8.40	168.0
Exterior	20.0	8.40	168.0	Adjacent Insulated	20.0	8.00	160.0
Base Total:	**40.0**		**328.0**	**As-Built Total:**	**40.0**		**328.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1450.0	2.05	2972.5	Under Attic	30.0	1460.0	2.05 X	1.00	2993.0
				Under Attic	19.0	108.0	2.70 X	1.00	291.6
Base Total:	**1450.0**		**2972.5**	**As-Built Total:**		**1568.0**			**3284.6**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	184.0(p)	8.9	1637.6	Slab-On-Grade Edge Insulation	0.0	184.0(p	18.80	3459.2
Raised	0.0	0.00	0.0					
Base Total:			**1637.6**	**As-Built Total:**		**184.0**		**3459.2**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	1450.0	-0.59	-855.5	1450.0	-0.59	-855.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**12825.5**	**Winter As-Built Points:**						**15012.9**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
			(sys 1: Electric Heat Pump 30000 btuh ,EFF(8.6) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
			15012.9	1.000	(1.069 x 1.169 x 1.00)	0.397	1.000	7438.9	
12825.5	**0.6274**	**8046.7**	**15012.9**	**1.00**	**1.250**	**0.397**	**1.000**	**7438.9**	

FORM 600A-2004 EnergyGauge® 4.1

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3	2635.00	7905.0		40.0	0.89	3	1.00	2723.82	1.00	8171.5	
				As-Built Total:						**8171.5**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
7707	**8047**	**7905**	**23659**	**4571**	**7439**	**8171**	**20182**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.2

The higher the score, the more efficient the home.

1.	New construction or existing	New		12. Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 30.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 14.50
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	1450 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description Area		13. Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 148.2 ft²		a. Electric Heat Pump	Cap: 30.0 kBtu/hr
b.	SHGC:				HSPF: 8.60
	(or Clear or Tint DEFAULT) 7b.	(Clear) 148.2 ft²		b. N/A	
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 184.0(p) ft		c. N/A	
b.	N/A				
c.	N/A			14. Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 40.0 gallons
a.	Frame, Wood, Exterior	R=13.0, 1186.0 ft²			EF: 0.89
b.	Frame, Wood, Adjacent	R=13.0, 286.0 ft²		b. N/A	
c.	N/A				
d.	N/A			c. Conservation credits	
e.	N/A			(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10.	Ceiling types			15. HVAC credits	
a.	Under Attic	R=30.0, 1460.0 ft²		(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b.	Under Attic	R=19.0, 108.0 ft²			
c.	N/A				
11.	Ducts				
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 188.0 ft			
b.	N/A				

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

Builder Signature: _____ Date: _____

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

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

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

STATE OF FLORIDA
DEPARTMENT OF HEALTH

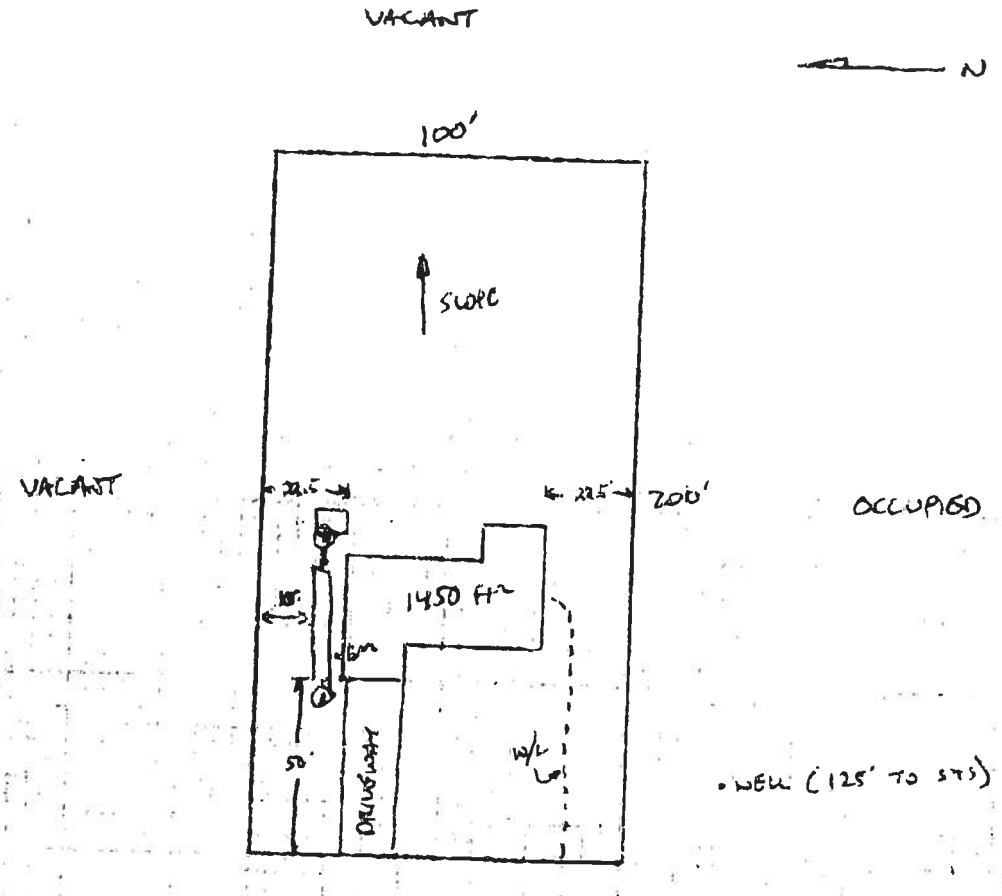
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permanent

Permit Application Number 06-0174

PART II - SITE PLAN

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



Notes: 5' B/T HOUSE + SYSTEM
CITY WATER SHOULD BE AVAILABLE IN JUNE (SEE ATTACHED)

Site Plan submitted by: _____
Signature

Plan Approved / Not Approved

By _____ Title

Columbia CHD
County Health Department

Date 3/10/6

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

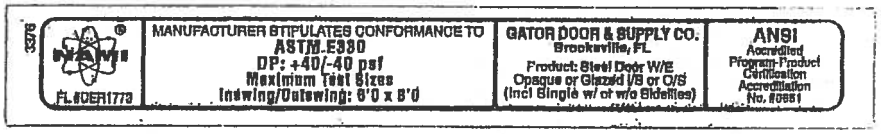
4015, 10/98 (Replaces HRS-H Form 4015 which may be used)
Rule Number: 5744-002-4015-9

7/6/04

GATOR DOOR
PRODUCT APPROVAL SPECIFICATION SHEET

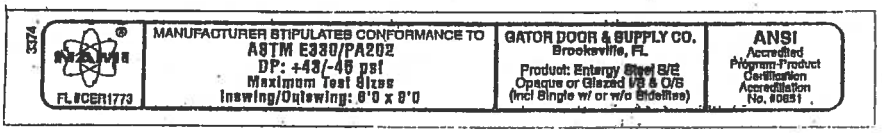
Steel Doors – 6/8

Manufacturer: Entergy (Masonite International)
Approval Number: FL18.1
3rd Party Assurance Entity – NAMI



Steel Doors – 8/0

Manufacturer: Entergy (Masonite International)
Approval Number: FL19.1
3rd Party Assurance Entity – NAMI



Fiberglass Doors

Manufacturer: Plastpro (Nan Ya Plastics)
Approval Number: FL1321.1
[illegible] NAMI

make copies

Other helpful Inform[illegible]n can be found at www.floridabuilding.org.
Click on Product Approval

X
Glazed Inswing Unit

COP-WI-FN4141-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:


404 Series


410 Series


460 Series

FULL GLASS:


109 Series


114, 120, 122 Series


162 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.032" steel. Bottom end rails constructed of 0.032" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

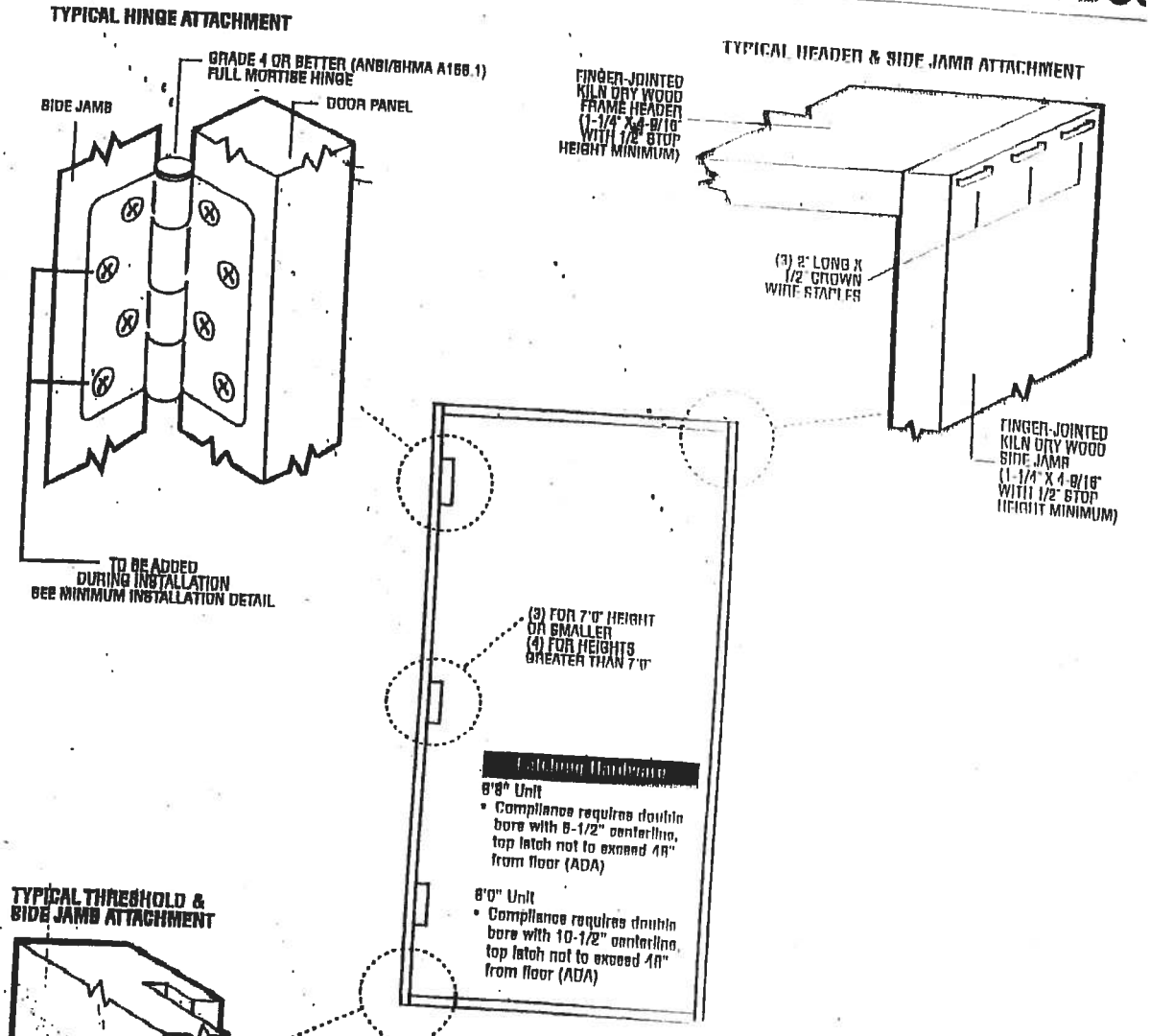
Warnock Hersey

Test Data Review Certificate #30264470 and COP/Test Report Validation Matrix #30264470 001 provides additional information - available from the ITS/WH website (www.ulasmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

X
Unit

MAD-WL-MA0001-02

INSWING UNIT WITH SINGLE DOO

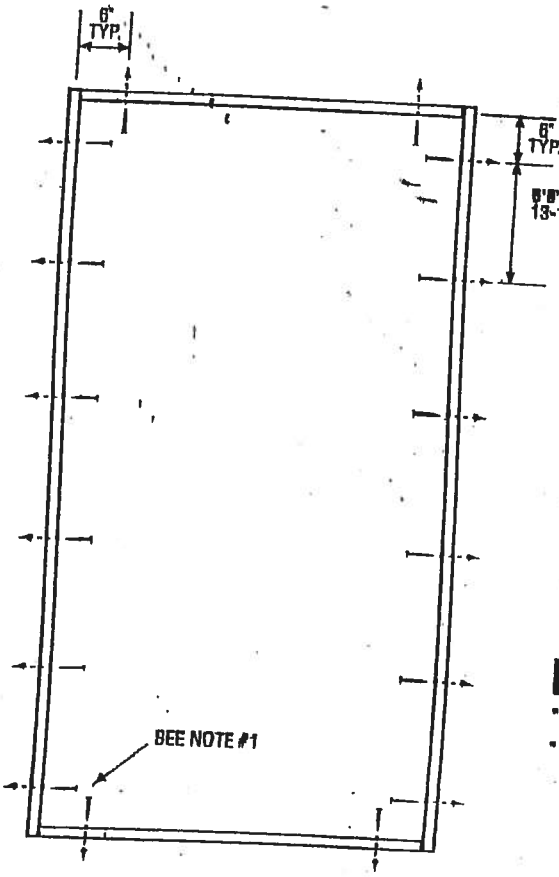


Test Data Review Certificate #30284474; #30284478; #30284470 and CCP/Test Report Validation Matrix #30284474 001, 002, 003, 004; #30284478 001, 002, 003, 004; #30284470 001, 002, 003, 004 provides additional information available from the ITS/WH website (www.atlasmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

X
Unit

MID-WL-MA0001-02

SINGLE DO



Minimum Fastener Count

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

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

Rough Opening (RO)

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

Warnock Hersey

Test Data Review Certificate #3028447A; #3028447B; #3028447D and COP/Test Report Validation Matrix #3028447A-001, 002, 003, 004; #3028447B-001, 002, 003, 004; #3028447C-001, 002, 003, 004 provides additional information - available from the FTE/WH website (www.ortechko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0246*, 0266*, 3241*, 3246, 3261* or 3266**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

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

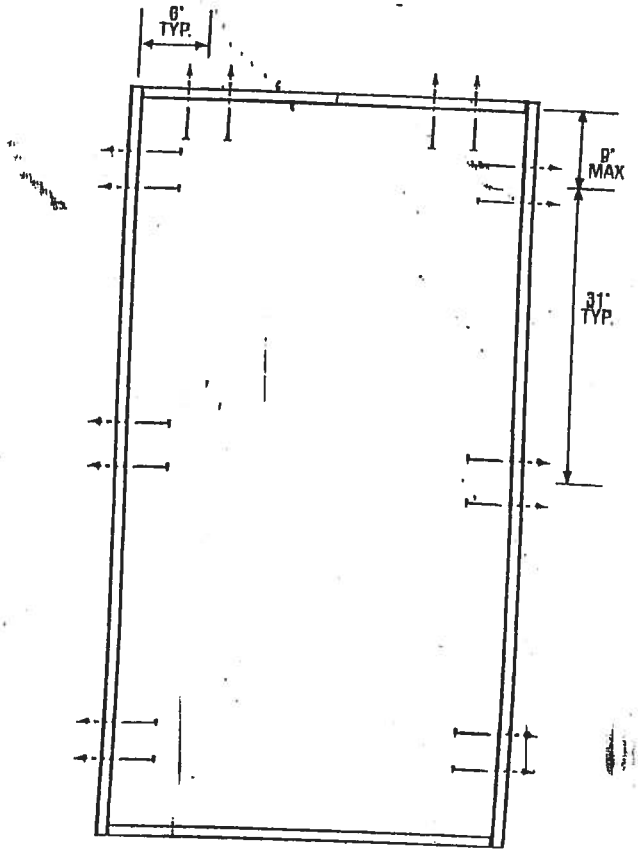
Notes:

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

X
Unit

MID-WL-MA0001-02

SINGLE DOC



Minimum Fastener Count

- 6 per vertical framing member for 7'0" height and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 4 per horizontal framing member

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

Rough Opening (RO)

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

Warnock Hersey — Test Data Review Certificate #3028447A; #3028447B; #3028447C and COP/Test Report Validation Matrix #3028447A-001, 002, 003, 004; #3028447B-001, 002, 003, 004; #3028447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.ulwarnock.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0246*, 0256*, 3241*, 3246, 3261* or 3266**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

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

Notes:

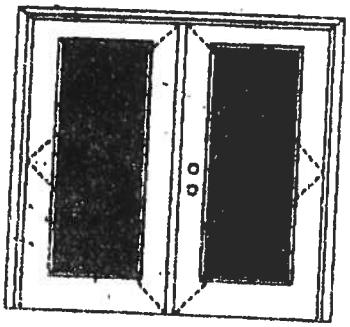
1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others; must be anchored properly to transfer loads to the structure.

XX
Glazed Outswing Unit

COP-WL-FN4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

Warnock Hersey

Test Data Review Certificate #30264470 and COP/Test Report Validation Matrix #30264470-001 provides additional information - available from the ITS/WH website (www.allwmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Design Pressure

+50.5/-50.5

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 appropriate location is determined by ASCE 7 national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


122, 138 Series


136 Series


600 Series


822 Series

1/2 GLASS:


108 Series*


102, 150 Series*


129 Series*


200 Series*


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


[illegible] Series*


106 Series


304 Series

*This glass kit may also be used in the following door styles: 8-panel, 8-panel with scroll; Eyebrow 8-panel, Eyebrow 8-panel with scroll

Entergy
Entry Systems

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

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite

XX
Glazed Outswing Unit

COP-WL-EN4162-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:


404 Series


410 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.032" steel. Bottom end rails constructed of 0.032" 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 bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

Test Data Review Certificate #3028447C and COP/Test Report Validation Matrix #3028447C-001 provides additional information - available from the ITS/WH website (www.atlasmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Entergy
Entry Systems

June 17, 2002
Our continuing program of product improvement makes specifications, drawings and manual

PREMDOR Collection Premium Quality Doors

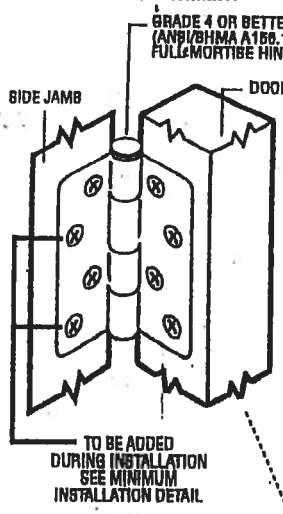
Exclusively from Masonite

XX
Unit

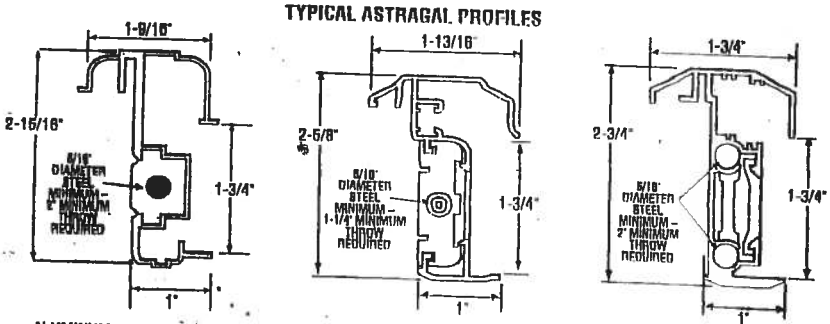
MAD-WI-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

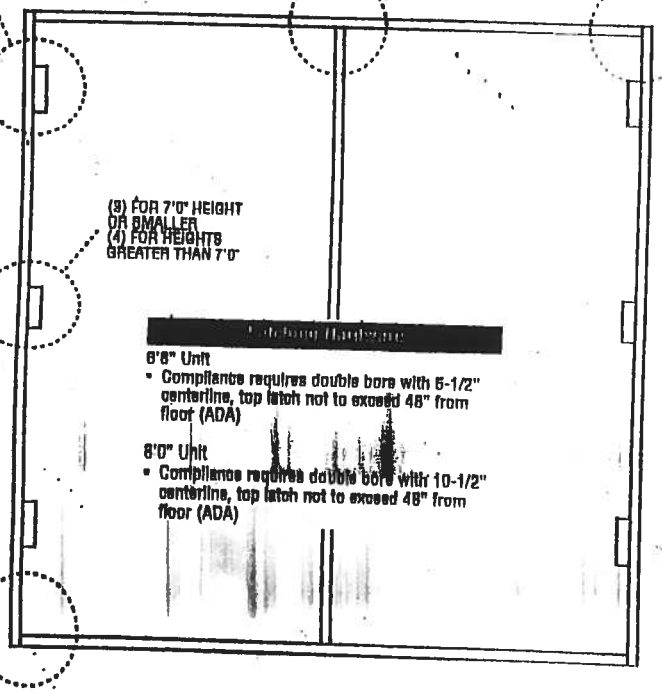
TYPICAL HINGE ATTACHMENT



TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.

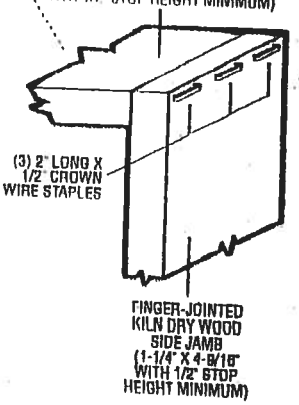


Locking Hardware

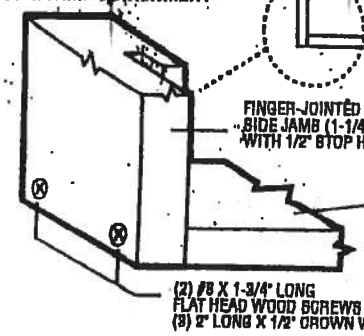
6'6" Unit
- Compliance requires double bore with 5-1/2" centerline, top latch not to exceed 48" from floor (ADA)

8'0" Unit
- Compliance requires double bore with 10-1/2" centerline, top latch not to exceed 48" from floor (ADA)

TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



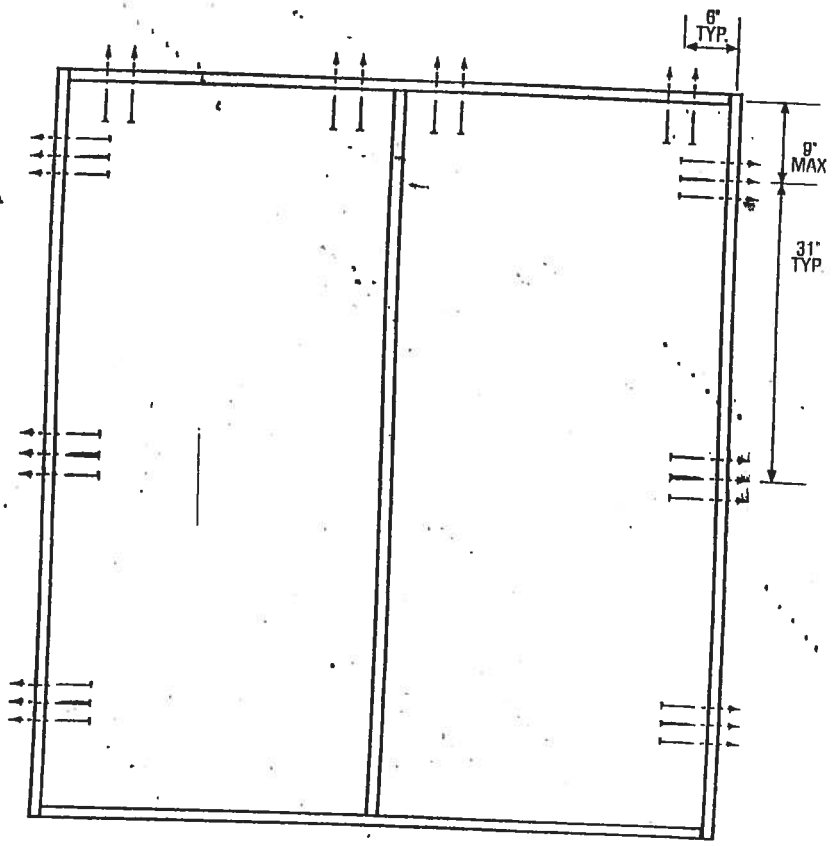
Warnock Hersey

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

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0" heights and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 8 per horizontal framing member

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

Rough Opening (RO)

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

Warnock Hersey

Test Data Review Certificate #30264478; #30264478; #30264470 and COP/Test Report Validation Matrix #30264478-001, 002, 003, 004; #30264478-001, 002, 003, 004; #30264470-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.ellesmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0247*, 0267*, 3242*, 3247, 3262* or 3267***
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

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

Notes:

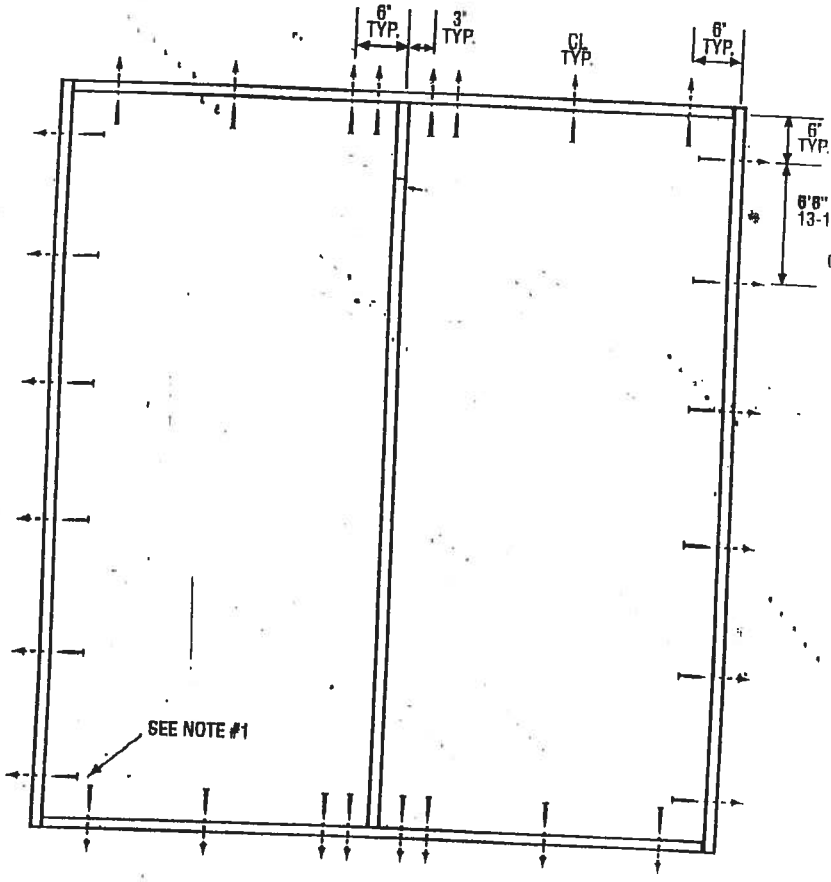
1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 wood screws and 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490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

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

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

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

Rough Opening (RO)

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

Warnock Hersey

Test Data Review Certificate #30264474; #30264478; #30264470 and COP/Test Report Validation Matrix #30264474-001, 002, 003, 004; #30264478-001, 002, 003, 004; #30264470-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0247*, 0267*, 3242*, 3247, 3262* or 3267**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

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

Notes:

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

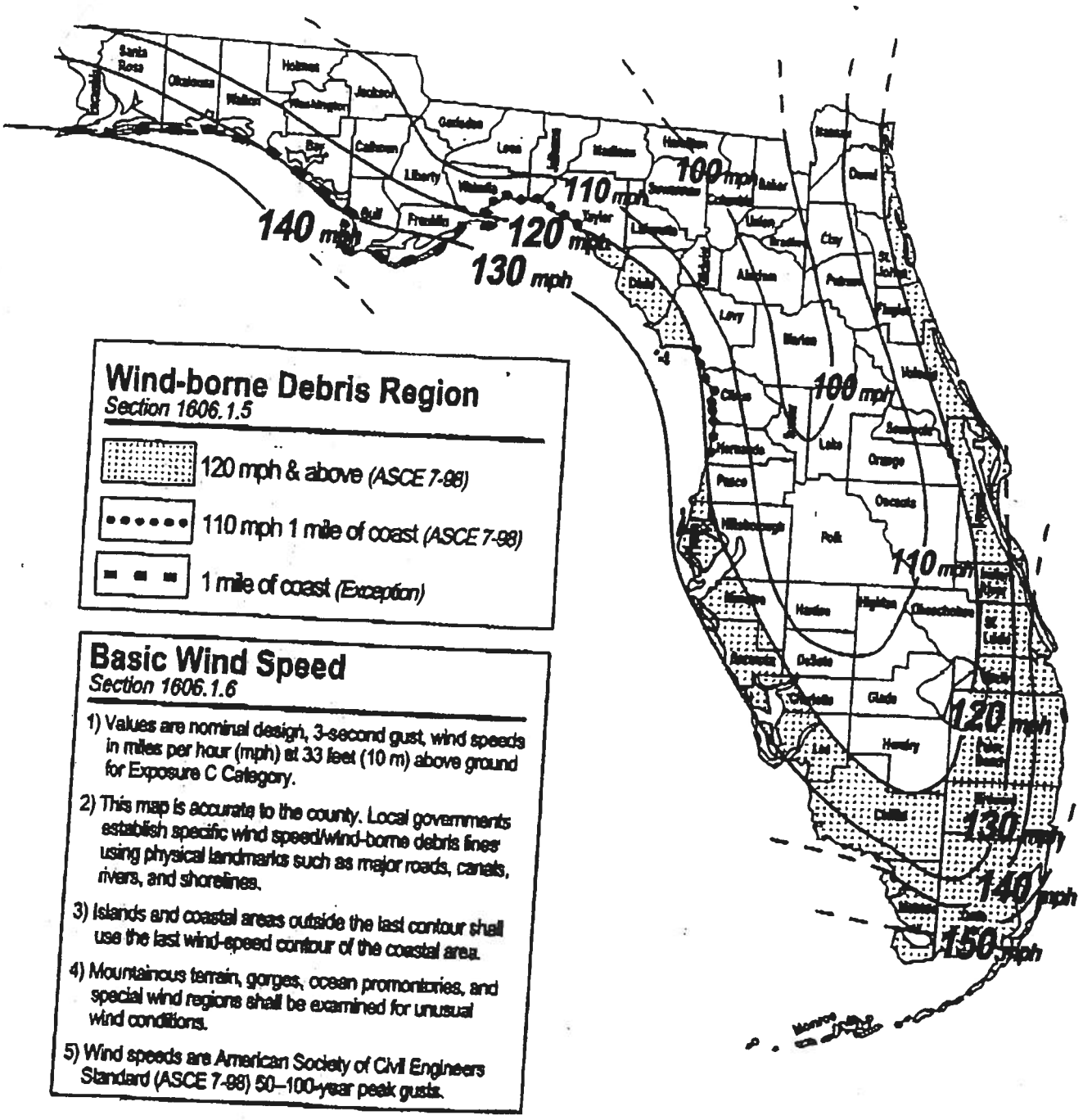


FIGURE 1606
STATE OF FLORIDA
WIND-BORNE DEBRIS REGION & BASIC WIND SPEED

A_g = the gross area of that wall in which A_o is identified, in sq ft (m^2)

Building, Partially Enclosed. A building which complies with both of the following conditions:

1. the total area of openings in a wall that receives positive external pressure exceeds the sum of the areas of openings in the balance of the building envelope (walls and roof) by more than 10%, and
2. the total area of openings in a wall that receives positive external pressure exceeds 4 sq ft (0.37 m^2) or 1% of the area of that wall, whichever is smaller, and the percentage of openings in the balance of the building envelope does not exceed 20%.

These conditions are expressed by the following formulas:

1. $A_o > 1.10A_{oi}$
2. $A_o > 4$ sq ft (0.37 m^2) or $> 0.01A_g$, whichever is smaller, and $A_{oi}/A_{gi} \leq 0.20$

where:

A_o, A_g are as defined for Open Building

A_{oi} = the sum of the areas of openings in the building envelope (walls and roof) not including A_o, in sq ft (m^2)

A_{gi} = the sum of the gross surface areas of the building envelope (walls and roof) not including A_g, in sq ft (m^2)

Building, simple diaphragm: A building which complies with all of the following conditions:

1. enclosed building,
2. mean roof height, h, less than or equal to 60 ft (18 m),
3. mean roof height, h, does not exceed least horizontal dimension,
4. building has an approximately symmetrical cross section,
5. building has no expansion joints or structural separations within the building,
6. wind loads are transmitted through floor and roof diaphragms to the vertical lateral-force-resisting systems, and
7. if the building has moment-resisting frames, roof slopes do not exceed 30%.

Components and Cladding. Elements of the building envelope that do not qualify as part of the main wind-force resisting system.

Effective Wind Area. For component and cladding elements, the effective wind area in Tables 1606.2B and 1606.2C is the span length multiplied by an effective width that need not be less than one-third the span length. For cladding fasteners, the effective wind area shall not be greater than the area that is tributary to an individual fastener.

Hurricane Prone Regions. Areas vulnerable to hurricanes defined as:

1. the U.S. Atlantic Ocean and Gulf of Mexico coasts where the basic wind speed is greater than 90 mph (40 m/s), and
2. Hawaii, Puerto Rico, Guam, Virgin Islands and American Samoa.

Importance Factor, I. A factor that accounts for the degree of hazard to human life and damage to property.

Mean Roof Height. The dimension from grade to the average of the roof eave height and the highest point on the roof surface, except that eave height shall be used for roof angle of less than or equal to 10%.

Main Wind-force Resisting System. An assemblage of structural elements assigned to provide support and stability for the overall structure. The system generally receives wind loading from more than one surface.

Wind-Borne Debris Region.

1. Areas within one mile (1.6 km) of the coastal mean high water line where the basic wind speed is 110 mph (49 m/s) or greater.
2. Areas where the basic wind speed is 120 mph (53 m/s) or greater except from the eastern border of Franklin County to the Florida-Alabama line where the region includes areas only within 1 mile of the coast.

1606.1.6 Basic wind speed. The basic wind speed in miles per hour, for the development of wind loads, shall be determined from Figure 1606. Basic wind speed for the special wind regions indicated, near mountainous terrain and near gorges shall be in accordance with local jurisdiction requirements. The exact location of wind speed lines shall be established by local ordinance using recognized physical landmarks such as major roads, canals, rivers and lake shores, wherever possible.

1606.1.6.1 Wind speed conversion. When referenced documents are based on fastest mile wind speeds, the three second gust wind velocities of Figure 1606 shall be converted to fastest mile wind velocities using Table1606.1.6.1.

TABLE 1606.1.6.1
EQUIVALENT BASIC WIND SPEEDS

3 sec. gust	85	90	100	105	110	120	125	130	140	145	150
fastest mile	70	75	80	85	90	100	105	110	120	125	130

1 mph = 0.447 m/s

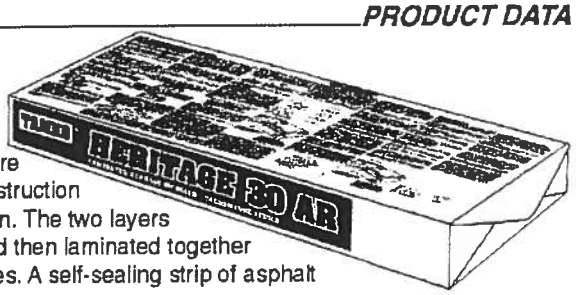
1606.1.7 Information on drawings. The following information related to wind loads shall be shown on the construction drawings:

1. Basic wind speed, mph, (m/s).

HERITAGE 30 AR®

PRODUCT DATA

LAMINATED ASPHALT SHINGLES



Manufactured in Tuscaloosa, AL.

HERITAGE 30 AR® shingles feature a double-layer fiberglass mat construction with a random-cut sawtooth design. The two layers of mat are coated with asphalt and then laminated together and surfaced with ceramic granules. A self-sealing strip of asphalt helps provide added wind resistance.

USES

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

ADVANTAGES

- 30-year limited warranty, 5-year FULL START, limited transferability, winds up to 70 MPH.
- Superior fire resistance compared to organic shingles.
- Rustic beauty of wood shakes.
- Shadowtone feature adds depth and dimensional appearance.
- 10-year Algae-Relief (AR) limited warranty that provides for cleaning of discoloration caused by certain algae growth that may occur in areas with high humidity.

CERTIFICATIONS

UL Class A Fire Rating	ASTM D 3018, Type I
UL Wind Resistant	ASTM E 108, Class A
	ASTM D 3161, Type I

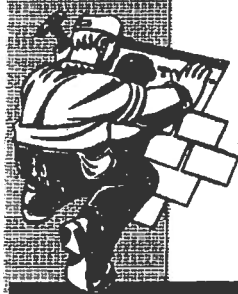
Fed. Spec.: Exceeds SS-S-001534, Class A, Type I

COLORS

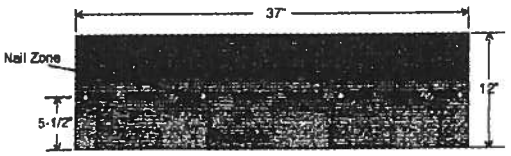
Classic Heritage Colors:

- Weathered Wood
- Rustic Cedar
- Oxford Grey
- Rustic Hickory
- Shadow Grey
- Rustic Black

PRODUCT DATA*



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



*All values stated as nominal

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

TAMKO®
ROOFING PRODUCTS

TAMKO® and HERITAGE® are registered trademarks of TAMKO Roofing Products, Inc.

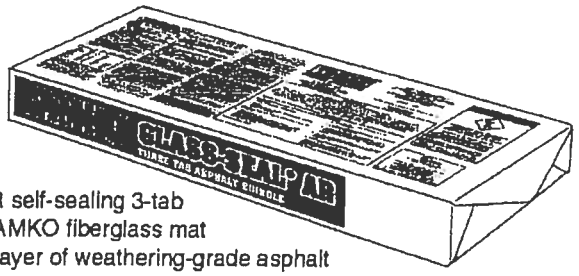
Visit our Web Site at www.tamko.com

03/2003

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

TAMKO Elite Glass-Seal® AR — PRODUCT DATA

THREE-TAB ASPHALT SHINGLES



Manufactured in Tuscaloosa, AL

TAMKO ELITE GLASS-SEAL® AR self-sealing 3-tab shingles are made with a tough TAMKO fiberglass mat coated on both sides with a thick layer of weathering-grade asphalt and surfaced with ceramic granules.

USES

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

ADVANTAGES

- 25-year limited warranty, 3-year FULL START, limited transferability, winds up to 60 MPH.
- Superior fire resistance compared to organic shingles.
- 10-year Algae-Relief (AR) limited warranty that provides for cleaning of discoloration caused by certain algae growth that may occur in areas with high humidity.

CERTIFICATIONS

UL Class A Fire Rating
UL Wind Resistant
ASTM D 3018, Type I
Miami Dade County Florida NOA 02-0130-03
Expiration Date: 04/11/07

ASTM D 3161, Type I (modified to 110 mph)
ASTM D 3462
ASTM E 108, Class A
TAS 100-95 Wind and Wind Driven Rain

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

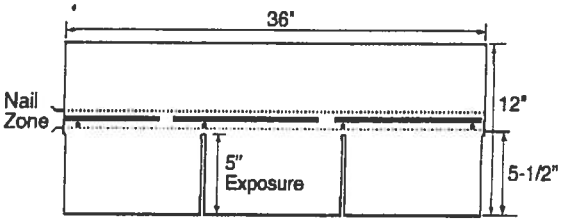
COLORS

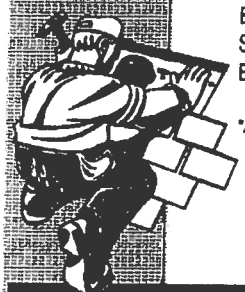
- Glacier White
- Grey Blend
- Rustic Hickory
- Pastel Red
- Shadow Grey
- Rustic Black
- Weathered Wood
- Olde Engish Pewter
- Pastel Green
- Empire Green Blend
- Driftwood
- Rustic Cedar
- Oxford Grey
- Pastel Brown
- Tile Red Blend
- Desert Sand

PRODUCT DATA*

Shingle size	12" X 36"
Exposure	5"
Shingles per square	80
Bundles per square	3

*All values stated as nominal





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

TAMKO ROOFING PRODUCTS

TAMKO® and ELITE GLASS-SEAL® are registered trademarks of TAMKO Roofing Products, Inc.

Visit our Web Site at www.tamko.com

032003

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

User: Public User - Not Associated with Organization -

Need Help ?

Application #:	FL1956-R1
Date Submitted:	06/09/2005
Code Version:	2004
Product Manufacturer:	TAMKO Roofing Products, Inc.
Address/Phone/email:	PO Box 1404 Joplin, MO 64802 (800) 641-4691
Technical Representative:	Frederick J. O'Connor
Technical Representative Address/Phone/email:	PO Box 1404 Joplin, MO 64802 (800) 641-4691 fred_oconnor@tamko.com
Category:	Roofing
Subcategory:	Asphalt Shingles
Evaluation Method:	Certification Mark or Listing

Referenced Standards from the Florida Building Code:

Section	Standard	Year
	ASTM D 3462	2001

Certification Agency:	Underwriters Laboratories Inc.
Quality Assurance Entity:	
Validation Entity:	
Authorized Signature:	Frederick O'Connor fred_oconnor@tamko.com
Evaluation/Test Reports Uploaded:	
Installation Documents Uploaded:	PTID_1956_R1_I_Tamko_let_061705.pdf

Product Approval Method: Method I Option A

Application Status: Approved
Date Validated: 06/20/2005
Date Approved: 06/29/2005
Date Certified to the 2004 Code:

Page: Go

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App/Seq #	Product Model # or Name	Model Description	Limits of Use
1956.1	Elite Glass-Seal AR	A heavy weight 3 tab asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.2	Glass-Seal AR	A 3 tab asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.3	Heritage 30 AR	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.4	Heritage 40 AR	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.5	Heritage 50 AR	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.6	Heritage Declaration	A heavy weight triple laminate asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.7	Heritage XL	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.

Next

ULFSIDE SUPPLY, INC.

Installation Documents Uploaded:

Product Approval Method: Method 1 Option A

Application Status: Pending FBC Approval

Page:
Go

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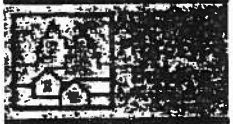
App/Seq #	Product Model # or Name	Model Description
1956.1	Elite Glass-Seal AR	A heavy weight 3 tab asphalt shingle.
1956.2	Glass-Seal AR	A 3 tab asphalt shingle.
1956.3	Heritage 30 AR	A heavy weight dimensional asphalt shingle.
1956.4	Heritage 40 AR	A heavy weight dimensional asphalt shingle.
→ 1956.5	Heritage 50 AR	A heavy weight dimensional asphalt shingle.
1956.6	Heritage Declaration	A heavy weight triple laminate asphalt shingle.
1956.7	Heritage XL	A heavy weight dimensional asphalt shingle.

Next

SITE NAVIGATION



PRODUCT APPROVAL

Product Search

Overview | Product Search | Organization Search | Product Application | View Attachments

User: Andrew Davis - Not Associated with Organization -

Need Help ?

Product Manufacturer: Capitol

Category: Windows

Subcategory:

Application/Seq #:

(### or ###.#)

Application Status: (ALL)

Evaluation Method: (ALL)

New Product | Search

Page: Go

Page 1 / 1

App/Seq #	Manufacturer	Category	Subcategory	Validation Entity	Status
FL681	Capitol	Windows	Fixed		Approved
FL685	Capitol	Windows	Horizontal Slider		Approved
FL880	Capitol	Windows	Mullions	Architectural Testing, Inc (717) 764-7700	Applied For
FL675	Capitol	Windows	Single Hung		Approved

Page: Go

Page 1 / 1

New Product

MI HOME PRODUCTS

- PRIME ALUMINUM WINDOWS -

INSTALLATION INSTRUCTIONS FOR "NAIL FIN" PRODUCTS

MI Home Products appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition – proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function.

1. Handle units one at a time in the closed and locked position and take care not to scratch frame or glass or to bend the nailing fin.

2. Set unit plumb and square into opening and make sure that there is 3/16" ± 1/16" clearance around the frame. Fasten unit into opening in the closed and locked position, making sure that fasteners are screwed in straight in order to avoid twisting or bowing of the frame. Make sure that sill is straight and level. Check operation of unit before any and all fasteners are set.

3. Use # 8 sheet metal or wood screws with a minimum of 1" penetration into the framing (stud). Place first screws (two at each corner) 3" from end of fin. For positive and negative DPs (design pressures) up to 35, do not exceed 24" spacing of additional screws. For DPs from 35.1 to 50, do not exceed 18". Install load bearing shim adjacent to each anchor. Use shim where space exceeds 1/16".

4. Flash over head and caulk outside perimeter in accordance with code requirements and good installation practices.

5. Fill voids between frame and construction with loose batten type insulation or <u>non-expanding</u> aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of <u>expanding</u> aerosol type insulating foam, which can bow the frame, waives all stated warranties.

6. Remove plaster, mortar, paint and any other debris that may have collected on the unit and make sure that sash/vent tracks and interlocks are also clear. Do not use abrasives, solvents, ammonia, vinegar, alkaline, or acid solutions for clean-up, especially with insulated glass units as their use could cause chemical breakdown of the glass seal. Take care not to scratch glass; scratches severely weaken glass and it could eventually break from thermal expansion and contraction. Clean units with water and mild detergent as you would you automobile.

CAUTION -

MI Home Products or its representatives are unable to control and cannot assume responsibility for the selection and placement of their products in a building or structure in a manner required by laws, statutes, and/or building codes. The purchaser is solely responsible for knowledge of and adherance to the same. MI Home Products window products are not provided with safety glazing unless specifically ordered with such. Many laws and codes require safety glazing near doors, bathtubs, and shower enclosures. Also be aware of emergency egress code requirements.

Corporate Headquarters:
650 West Market St.
Gratz, PA 17030-0370
(717) 365-3300

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

Rendered to:

MI HOME PRODUCTS, INC.

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

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	12 lb max.
Air Infiltration	0.14 cfm/ft^2
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.02 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb

4 APRIL 2002

ALLEN N. REEVES
CERTIFICATE
NO. 19334
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Architectural Testing

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

Rendered to:

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

Report No: 01-41134.02
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Flange, 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 Flange

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

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

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

Allen H. Reeves
4 APRIL 2002

ALLEN H. REEVES * STATE OF FLORIDA * PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

Description	Quantity	Location
Metal cam lock with keeper	1	Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen N. Reeves
4 APRIL 2002

ALLEN N. REEVES
CERTIFICATE NO. 18284
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 3" installation screws through the jambs. The installation screws were located 3" from the head and sill and one midspan on both jambs. The exterior was sealed with polyurethane.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	12 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.14 cfm/ft^2	0.3 cfm/ft^2 max.

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

Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
@ 25.9 psf (positive)	0.45"*	0.26" max.
@ 34.7 psf (negative)	0.53"*	0.26" max.

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

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.01"	0.18" max.

Allen N. Reeves
8 APRIL 2002

ALLEN N. REEVES
CERTIFICATE NO. 12284
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

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	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	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	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
	Optional Performance		
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.55"*	0.26" max.
	@ 47.2 psf (negative)	0.64"*	0.26" max.
4.4.2	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)	0.04"	0.18" max.
	@ 70.8 psf (negative)	0.05"	0.18" max.

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

Allen N. Reeves
4 APRIL 2002

ALLEN N. REEVES
PROFESSIONAL ENGINEER
STATE OF FLORIDA

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

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

Allen N. Reeves, P.E.
Director - Engineering Services
8 APRIL 2002

MAH:nlb
01-41134.02

ALLEN N. REEVES
CERTIFICATE
NO. 19224
STATE OF
FLORIDA
REGISTERED PROFESSIONAL ENGINEER

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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650
TYPE: Aluminum Picture Window

Title of Test	Results
Rating	F-R45 60 x 80
Overall Design Pressure	+45.0 psf -47.2 psf
Air Infiltration	0.04 cfm/ft^2
Water Resistance	8.25 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41135.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES
CERTIFICATE
No. [illegible]
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Architectural Testing

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

Rendered to

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

Report No: 01-41135.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650, aluminum picture window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a F-R45 60 x 80 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

Type: Aluminum Picture Window

Overall Size: 5' 0" wide by 6' 8" high

Daylight Opening Size: 4' 9-1/4" wide by 6' 5-1/4" high

Finish All aluminum was white.

Glazing Details: The test specimen utilized 7/8" thick, sealed insulating glass constructed from two sheets of 3/16" thick, clear annealed glass and a metal reinforced butyl spacer system. The glass was interior glazed against double-sided adhesive foam tape and secured with aluminum snap-in glazing beads.

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

Allen N. Reeves
1 APR 02 2002

ALLEN N. REEVES * CERTIFICATE NO. 11954 * STATE OF FLORIDA * PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

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.

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck. #8 x 2-1/2" installation screws were utilized 18" on center around the interior perimeter. Polyurethane was utilized to seal the exterior.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
	Air Infiltration (ASTM E 283-91)		
	@ 1.57 psf (25 mph)	0.04 cfm/ft^2	0.3 cfm/ft^2 max.
	Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.		
	Water Resistance (ASTM E 547-00)		
	WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97)		
	(Measurements reported were taken on the jamb)		
	(Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.01"	0.41" max.
	@ 34.7 psf (negative)	0.01"	0.41" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97)		
	(Measurements reported were taken on the jamb)		
	(Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.0"	0.29" max.
	@ 52.1 psf (negative)	0.01"	0.29" max.

ALLEN N. REEVES
No. 12556
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
1 APRIL 2002

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
	Forced Entry Resistance (ASTM F 588-97)		
	Type: D Grade: 10		
	Hand and Tool Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) WTP = 8.25 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.02"	0.41" max.
	@ 47.2 psf (negative)	0.02"	0.41" max.
	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.01"	0.29" max.
	@ 70.8 psf (negative)	0.02"	0.29" max.

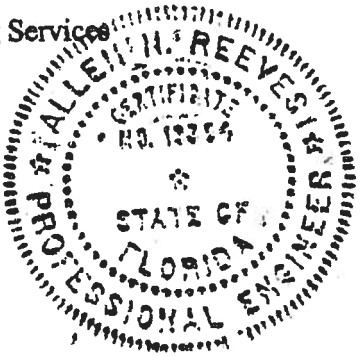
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. 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:nlb
01-41135.01

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



wrightsoft Version 6

Short Form
Entire House
SHATTO HEATING & AIR, INC.

Job:
Date: Jan 03, 2006
By: TIM SHATTO

222 WEST MAIN STREET, LAKE BUTLER, FL 32054 Phone: 386-496-8224 Fax: 386-496-9065 Email: KIMSHATTO@SHATTOAIR.COM Web: WWW.SHATTOAIR.COM

Project Information

For: ROYALE CUSTOM HOMES, INC.
16304 NW 298TH WAY, HIGH SPRINGS, FL 32643
Phone: 352-514-3600 Fax: 386-514-3600

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration	
Method	Simplified
Construction quality	Average
Fireplaces	0

HEATING EQUIPMENT

Make Trane
Trade XL15i Weathertron
Model 2TWX5030A1

Efficiency	8.6 HSPF	
Heating input		
Heating output	26800	Btuh @ 47°F
Temperature rise	33	°F
Actual air flow	731	cfm
Air flow factor	0.062	cfm/Btuh
Static pressure	0.00	in H2O
Space thermostat		

COOLING EQUIPMENT

Make Trane
Trade XL15i Weathertron
Cond 2TWX5030A1
Coil TWE031E13

Efficiency	14.5 SEER	
Sensible cooling	21280	Btuh
Latent cooling	9120	Btuh
Total cooling	30400	Btuh
Actual air flow	731	cfm
Air flow factor	0.043	cfm/Btuh
Static pressure	0.00	in H2O
Load sensible heat ratio	0.77	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
MBDRM/BATH	405	4039	4660	252	202
KITCH/DNGRM/LVGR	638	3029	6284	189	272
BDRM 3	169	2019	1852	126	80
BATH	104	606	1428	38	62
BDRM 2	195	2019	2660	126	115
Entire House d	1511	11713	16883	731	731
Other equip loads		0	0		
Equip. @ 0.97 RSM			16377		
Latent cooling			5125		
TOTALS	1511	11713	21502	731	731

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

MiTek Industries, Inc.
1801 Massaro Blvd.
Tampa, Fl 33619
Phone: 813/675-1200
Fax: 813/675-1148

RE: RHFWS3 -

Site Information:
Project Customer: Project Name:
Lot/Block: Subdivision:
Address:
City: State:

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2004/TPI2002
Wind Code: ASCE 7/02 Wind Speed: 110 mph
Roof Load: 40 psf, nonconcurrent BCLL=10 psf
Design Program: MiTek 20/20 6.2
Design Method: User defined
Floor Load: N/A psf

This package includes 10 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Job ID#	Truss Name	Date
1	T1976850	RHFWS3	A1	1/19/06
2	T1976851	RHFWS3	A1ET	1/19/06
3	T1976852	RHFWS3	A2	1/19/06
4	T1976853	RHFWS3	A2ET	1/19/06
5	T1976854	RHFWS3	B1	1/19/06
6	T1976855	RHFWS3	B2	1/19/06
7	T1976856	RHFWS3	BET	1/19/06
8	T1976857	RHFWS3	C1	1/19/06
9	T1976858	RHFWS3	CET	1/19/06
10	T1976859	RHFWS3	CGT	1/19/06

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Santa Fe Truss.

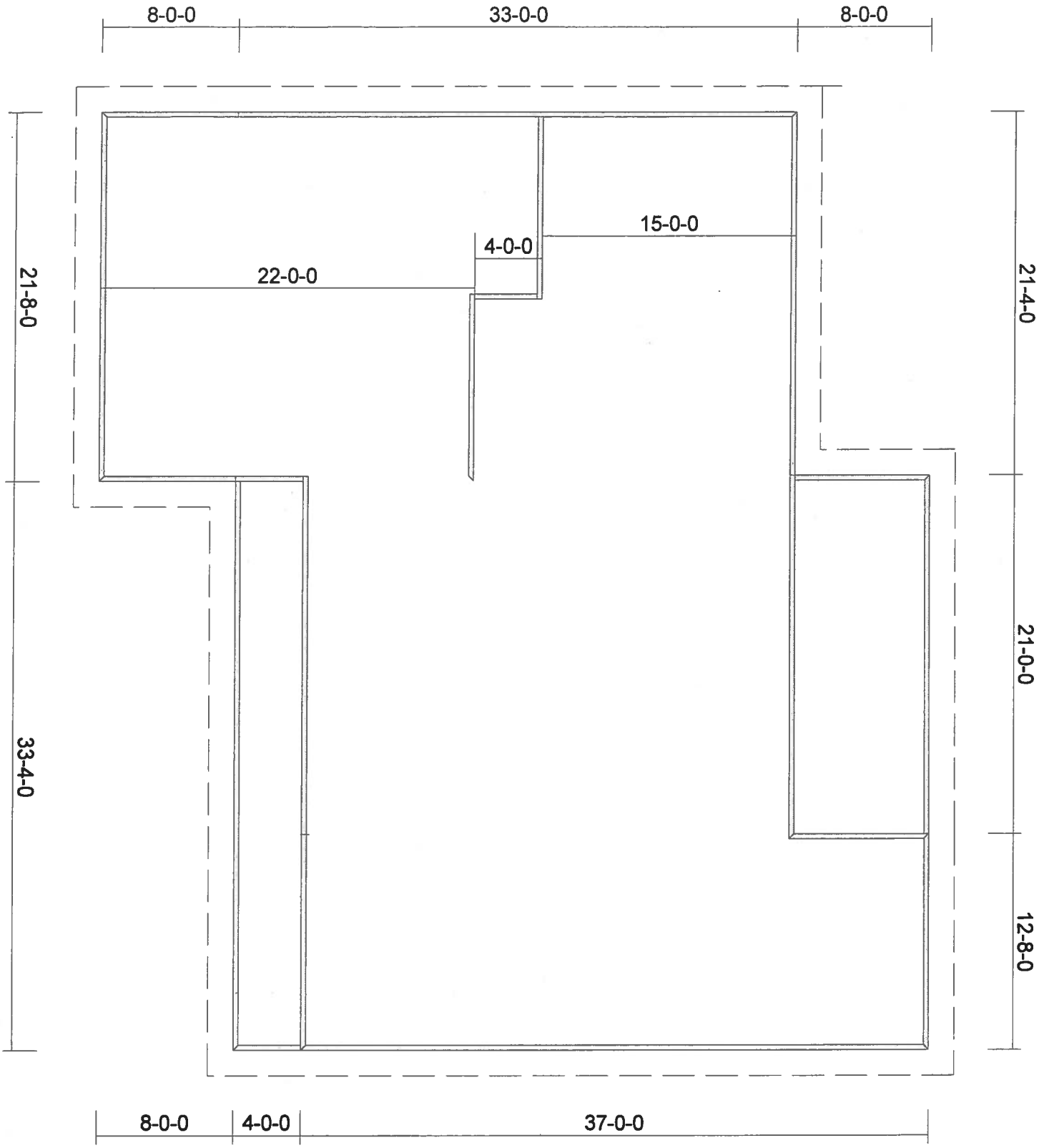
Truss Design Engineer's Name: Zhang, Guo-jie
My license renewal date for the state of is February 28, 2007.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

January 19,2006

Zhang, Guo-jie



ALL BEARING WALLS
AT 8'1"4 w/ 2X4 FRAME

MiTek

RE: RHFWS3 -

MiTek Industries, Inc.
1801 Massaro Blvd.
Tampa, Fl 33619
Phone: 813/675-1200
Fax: 813/675-1148

Site Information:
Project Customer: Project Name:
Lot/Block: Subdivision:
Address:
City: State:

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2004/TPI2002
Wind Code: ASCE 7/02 Wind Speed: 110 mph
Roof Load: 40 psf, nonconcurrent BCLL=10 psf

Design Program: MiTek 20/20 6.2
Design Method: User defined
Floor Load: N/A psf

This package includes 10 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Job ID#	Truss Name	Date
1	T1976850	RHFWS3	A1	1/19/06
2	T1976851	RHFWS3	A1ET	1/19/06
3	T1976852	RHFWS3	A2	1/19/06
4	T1976853	RHFWS3	A2ET	1/19/06
5	T1976854	RHFWS3	B1	1/19/06
6	T1976855	RHFWS3	B2	1/19/06
7	T1976856	RHFWS3	BET	1/19/06
8	T1976857	RHFWS3	C1	1/19/06
9	T1976858	RHFWS3	CET	1/19/06
10	T1976859	RHFWS3	CGT	1/19/06

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Santa Fe Truss.

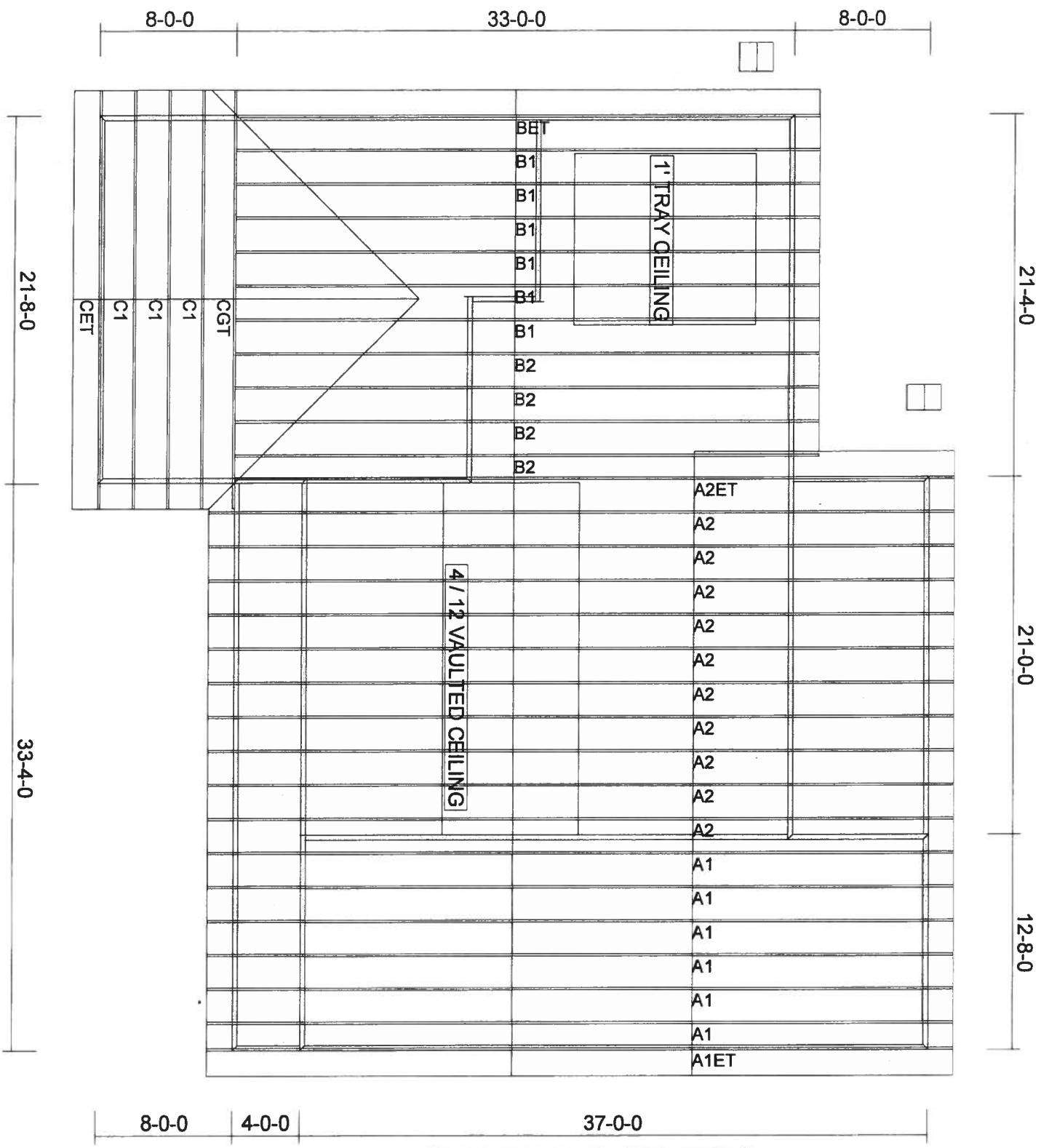
Truss Design Engineer's Name: Zhang, Guo-jie
My license renewal date for the state of is February 28, 2007.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

January 19,2006

Zhang, Guo-jie



CEILING HGTS. 8'1"4
1' TRAY IN MASTER BR
4/12 VAULTED CEILING
IN LIVING RM
7/12 ROOF w/ 1'6" OVERHANGS
3/12 - 7/12 OVER REAR PORCH
AND BEDROOM #3

HANGERS:
10 HUS 26

Job	Truss	Truss Type	Qty	Ply	T19768850
RHFWS3	A1	SPECIAL	6	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL, p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Jan 19 10:08:22 2006 Page 1

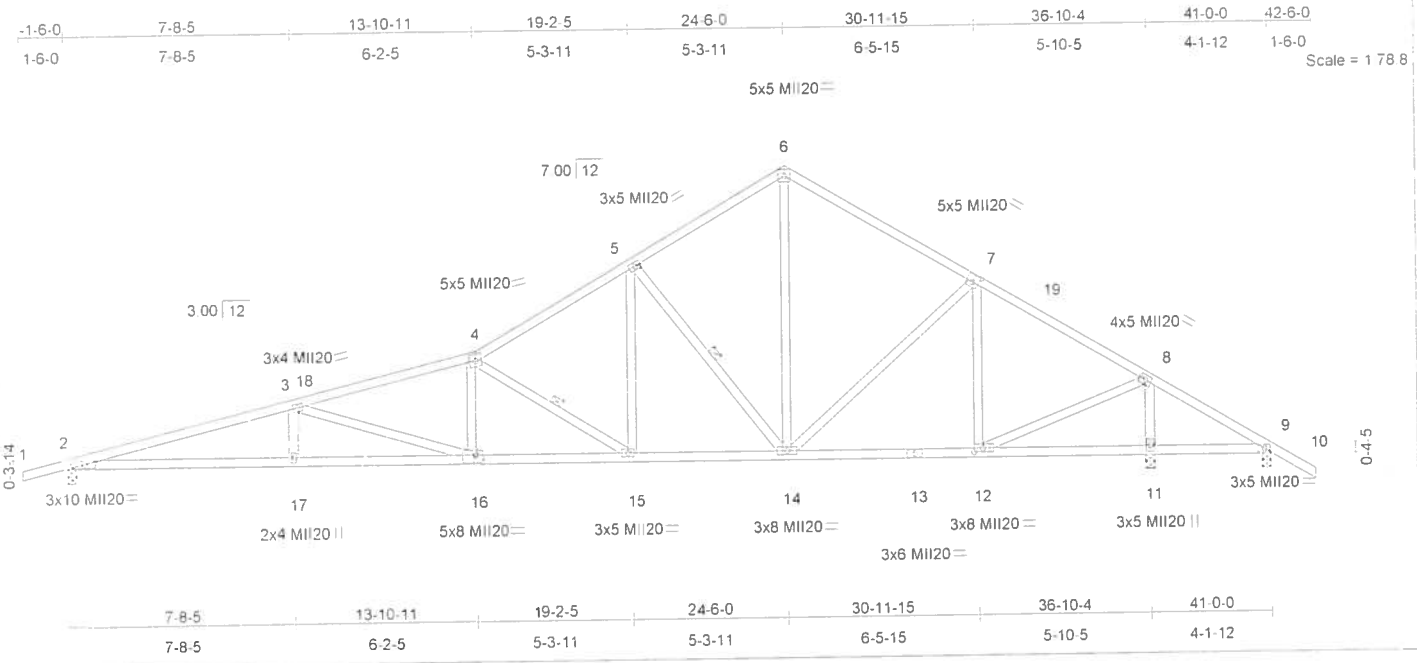


Plate Offsets (X,Y): [7:0-2-8,0-3-0], [12:0-3-8,0-1-8], [16:0-3-4,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.31	16-17	>999	240
TCDL	10.0	Lumber Increase	1.25	BC	0.92	Vert(TL)	-0.73	16-17	>604	180
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.13	11	n/a	n/a
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)						

PLATES	GRIP
MII20	249/190

Weight: 228 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-5-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-15, 5-14

REACTIONS (lb/size) 2=1451/0-3-8, 11=2809/0-3-8, 9=-806/0-3-8
Max Horz 2=434(load case 4)
Max Uplift 2=-616(load case 3), 11=-779(load case 6), 9=-872(load case 9)
Max Grav 2=1451(load case 1), 11=2809(load case 1), 9=231(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-4354/1323, 3-18=-3340/958, 4-18=-3333/973, 4-5=-2073/643, 5-6=-1197/485, 6-7=-1221/479, 7-19=-673/322, 8-19=-834/307, 8-9=-577/2018, 9-10=0/45
BOT CHORD 2-17=-1224/4163, 16-17=-1224/4163, 15-16=-796/3189, 14-15=-333/1722, 13-14=-20/655, 12-13=-20/655, 11-12=-1653/552, 9-11=-1653/552
WEBS 3-17=0/292, 3-16=-1027/732, 4-16=-165/459, 4-15=-1756/581, 5-15=-268/1064, 5-14=-1195/436, 6-14=-293/767, 7-14=-252/527, 7-12=-854/309, 8-12=-617/2493, 8-11=-2680/834

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 616 lb uplift at joint 2, 779 lb uplift at joint 11 and 872 lb uplift at joint 9.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa, FL 33619
FL Cert #6634

January 19,2006

1801 Massaro Blvd.
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	T1976851
RHFWS3	A1ET	SPECIAL	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL p colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Jan 19 10:08:24 2006 Page 1

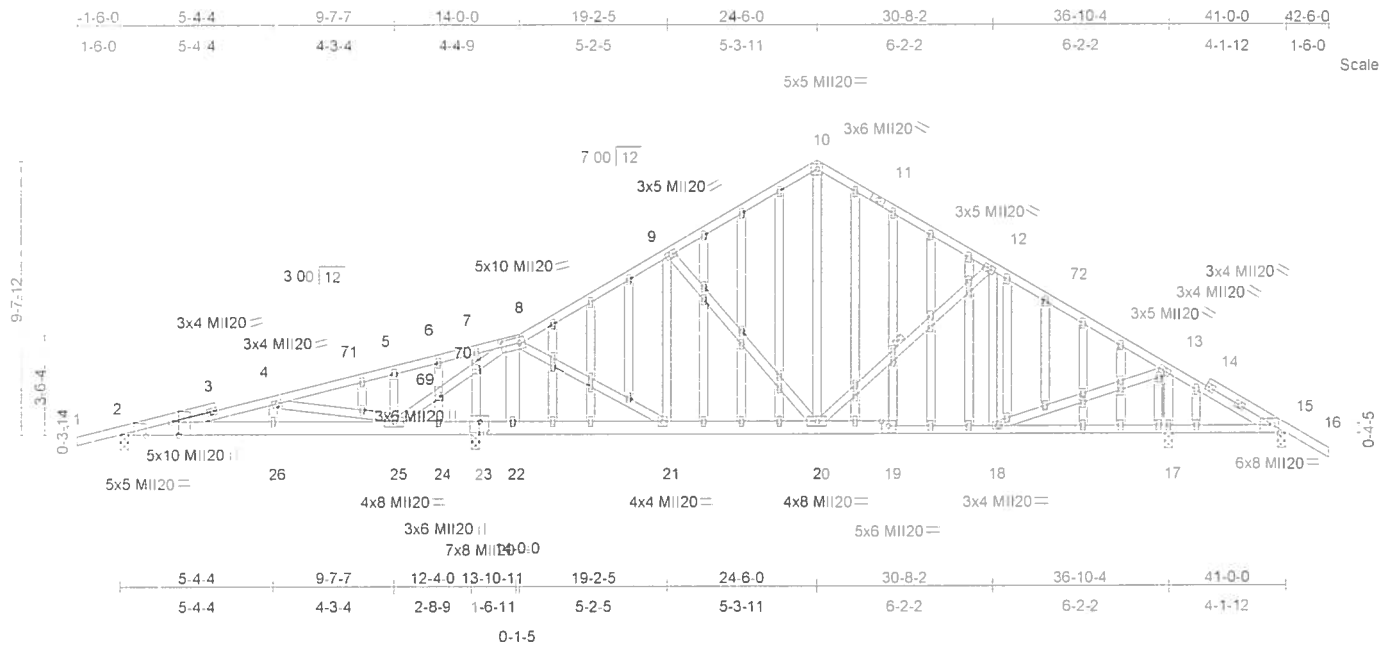


Plate Offsets (X,Y) [2:0-5-8,Edge], [2:0-10-6,Edge], [8:0-7-8,0-2-8], [15:0-2-11,Edge], [23:0-4-0,0-4-8], [62:0-1-11,0-1-0], [65:0-1-11,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	0.06	26	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.10	21-22	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.01	17	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 386 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.2 *Except* 15-19 2 X 4 SYP No 2D
WEBS 2 X 4 SYP No.3 *Except* 8-22 2 X 6 SYP No 2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 12-20

REACTIONS (lb/size) 2=450/0-3-8, 17=1145/0-3-8, 15=180/0-3-8, 23=1679/0-3-8
Max Horz 2=417(load case 4)
Max Uplift2=-378(load case 3), 17=-358(load case 6), 15=-204(load case 6), 23=-506(load case 5)
Max Grav 2=453(load case 9), 17=1145(load case 1), 15=210(load case 10), 23=1679(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-811/501, 3-4=-778/503, 4-71=-208/246, 5-71=-201/264, 5-6=-170/271, 6-7=-157/262, 7-8=-146/240, 8-9=-711/280, 9-10=-691/341, 10-11=-587/338, 11-12=-709/310, 12-72=-716/324, 13-72=-884/307, 13-14=-22/167, 14-15=-36/136, 15-16=0/45
BOT CHORD 2-26=-387/775, 25-26=-387/775, 24-25=-355/628, 23-24=-355/628, 22-23=-368/638, 21-22=-301/624, 20-21=-116/556, 19-20=-25/688, 18-19=-26/686, 17-18=-109/104, 15-17=-109/104
WEBS 4-26=0/219, 4-25=-1028/555, 5-25=-102/203, 8-22=-1011/390, 8-21=-241/962, 9-21=-286/145, 9-20=-208/140, 10-20=-159/344, 12-20=-261/244, 12-18=-149/101, 13-18=-118/815, 13-17=-1030/419, 25-69=-444/200, 69-70=-429/188, 8-70=-422/154, 24-69=-133/56, 6-69=-118/49, 23-70=-255/183, 7-70=-170/156

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02, 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 1-4-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 378 lb uplift at joint 2, 358 lb uplift at joint 17, 204 lb uplift at joint 15 and 506 lb uplift at joint 23.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

January 19,2006

1801 Massaro Blvd,
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	T1976852
RHFWS3	A2	SPECIAL	10	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL , p colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Jan 19 10:08:25 2006 Page 1

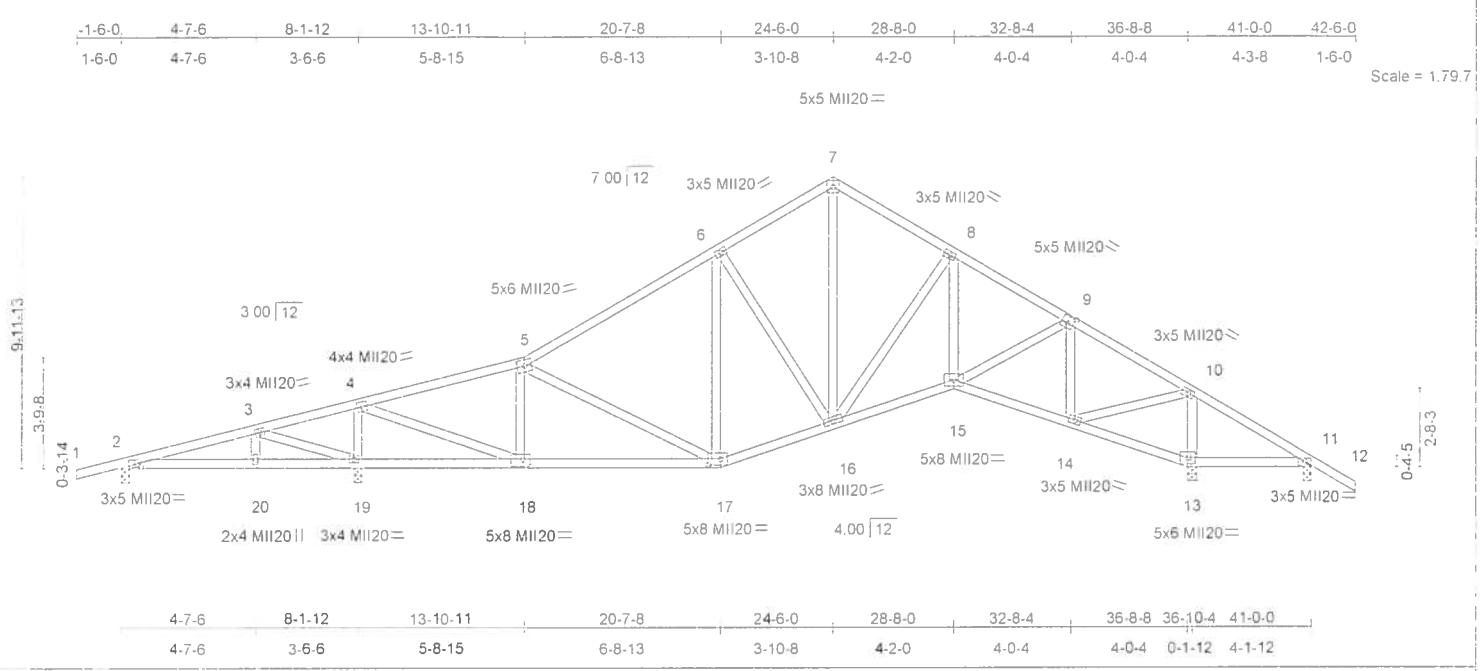


Plate Offsets (X,Y): [2:0-1-12,0-1-8], [9:0-2-8,0-3-0], [17:0-5-4,0-2-8], [18:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.06	17-18	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.18	17-18	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.05	13	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 239 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=255/0-3-8, 13=1887/0-3-8, 11=-281/0-3-8, 19=1593/0-3-8
Max Horz 2=434(load case 4)
Max Uplift2=-338(load case 3), 13=-501(load case 6), 11=-298(load case 9), 19=-486(load case 5)
Max Grav 2=272(load case 9), 13=1887(load case 1), 11=25(load case 5), 19=1593(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-184/279, 3-4=-314/623, 4-5=-1185/424, 5-6=-1114/418, 6-7=-922/403, 7-8=-913/393, 8-9=-1234/344, 9-10=-662/267, 10-11=-196/1061, 11-12=0/45
BOT CHORD 2-20=-223/112, 19-20=-223/112, 18-19=-575/256, 17-18=-279/1120, 16-17=-194/931, 15-16=-11/1082, 14-15=0/565, 13-14=-1000/300, 11-13=-845/252
WEBS 3-20=0/152, 3-19=-529/268, 4-19=-1317/436, 4-18=-455/1795, 5-18=-493/227, 5-17=-303/194, 6-17=-116/107, 6-16=-309/254, 7-16=-281/634, 8-16=-490/116, 8-15=0/334, 9-15=-63/563, 9-14=-804/192, 10-14=-256/1496, 10-13=-1474/455

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 338 lb uplift at joint 2, 501 lb uplift at joint 13, 298 lb uplift at joint 11 and 486 lb uplift at joint 19.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

January 19,2006

1801 Massaro Blvd.
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	T1976853
RHFWS3	A2ET	SPECIAL	1	1	Job Reference (optional)

SANTA FE TRUSS HIGH SPRINGS FL, p colacino — 6 200 s Oct 18 2005 MiTek Industries, Inc Thu Jan 19 10 08 27 2006 Page 1

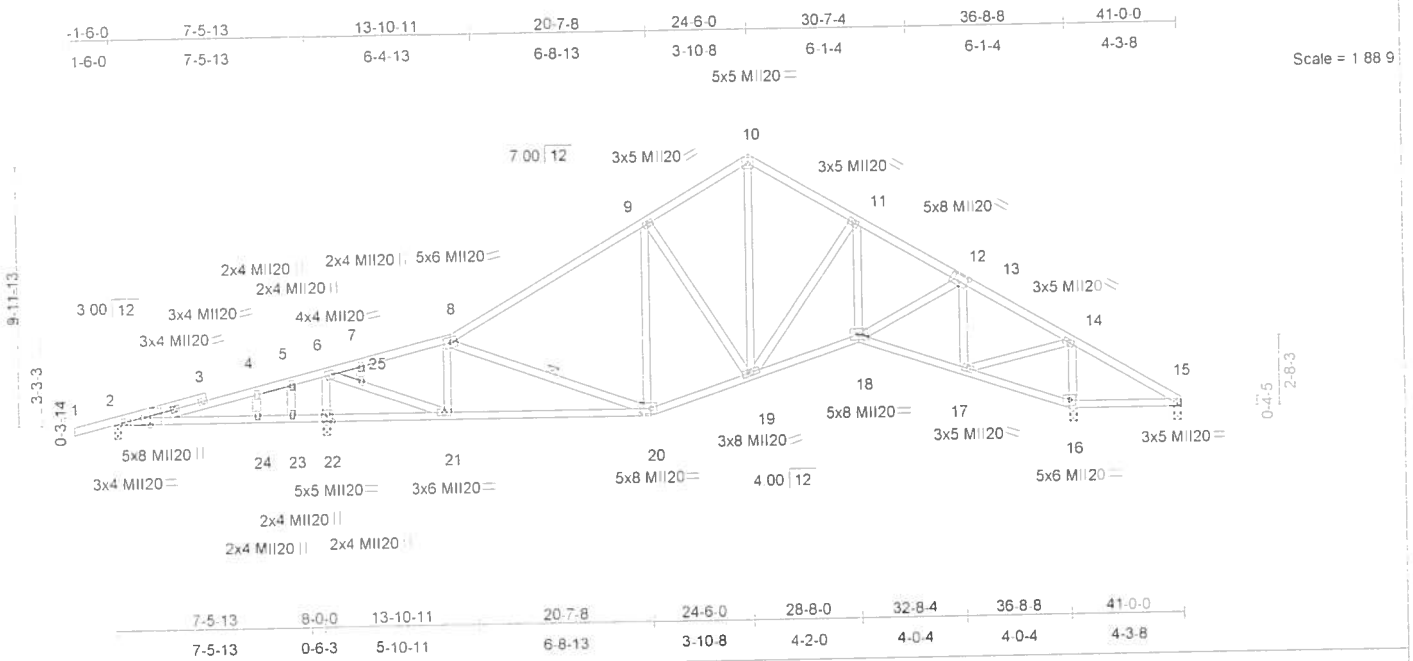


Plate Offsets (X,Y) [2 0-3-8,Edge], [12 0-3-12,0-3-0], [20 0-5-4,0-2-8], [22 0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1 25	TC	0 46	Vert(LL)	0 12	2-24	>799	240	MII20	249/190
TCDL	10 0	Lumber Increase	1 25	BC	0 39	Vert(TL)	-0 27	20-21	>999	180		
BCLL	10 0	Rep Stress Incr	YES	WB	0 82	Horz(TL)	0 05	16	n/a	n/a		
BCDL	10 0	Code FBC2004/TPI2002		(Matrix)							Weight 236 lb	

LUMBER
TOP CHORD 2 X 4 SYP No 2D
BOT CHORD 2 X 4 SYP No 2D
WEBS 2 X 4 SYP No 3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-8 oc purlins
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing
WEBS 1 Row at midpt 8-20

REACTIONS (lb/size) 2=228/0-3-8, 16=1891/0-3-8, 15=-392/0-3-8, 22=1628/0-3-8
Max Horz 2=450(load case 4)
Max Uplift2=-320(load case 3), 16=-566(load case 6), 15=-392(load case 1), 22=-509(load case 5)
Max Grav 2=242(load case 9), 16=1891(load case 1), 15=82(load case 5), 22=1628(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-403/699, 3-4=-398/728, 4-5=-372/740, 5-6=-369/755, 6-7=-1089/353, 7-8=-1061/358, 8-9=-1124/387, 9-10=-919/398, 10-11=-902/383, 11-12=-1218/348, 12-13=-1226/328, 13-14=-661/245, 14-15=-215/1043
BOT CHORD 2-24=-688/267, 23-24=-688/267, 22-23=-688/267, 21-22=-688/267, 20-21=-274/1046, 19-20=-210/926, 18-19=-38/1076, 17-18=-17/552, 16-17=-980/282, 15-16=-826/230
WEBS 8-20=-212/165, 9-20=-79/105, 9-19=-328/239, 10-19=-287/647, 11-19=-498/130, 11-18=0/340, 13-17=-792/197, 14-17=-263/1473, 14-16=-1468/501, 8-21=-569/268, 13-18=-71/567, 6-22=-1399/450, 5-23=-66/2, 4-24=-65/167, 6-25=-454/1814, 21-25=-465/1826, 7-25=-30/36

NOTES
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7-02, 110mph (3-second gust), h=18ft, TCDL=5 0psf, BCDL=5 0psf, Category II, Exp C, enclosed, MWFRS gable end zone, cantilever left and right exposed , end vertical left and right exposed, Lumber DOL=1 33 plate grip DOL=1 33
3) *This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 320 lb uplift at joint 2, 566 lb uplift at joint 16, 392 lb uplift at joint 15 and 509 lb uplift at joint 22

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc
1801 Massaro Blvd
Tampa FL 33619
FL Cert #6634

January 19,2006

Job	Truss	Truss Type	Qty	Ply	
RHFWS3	B1	SPECIAL	6	1	T1976854
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS,FL, p colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Jan 19 10:08:28 2006 Page 1

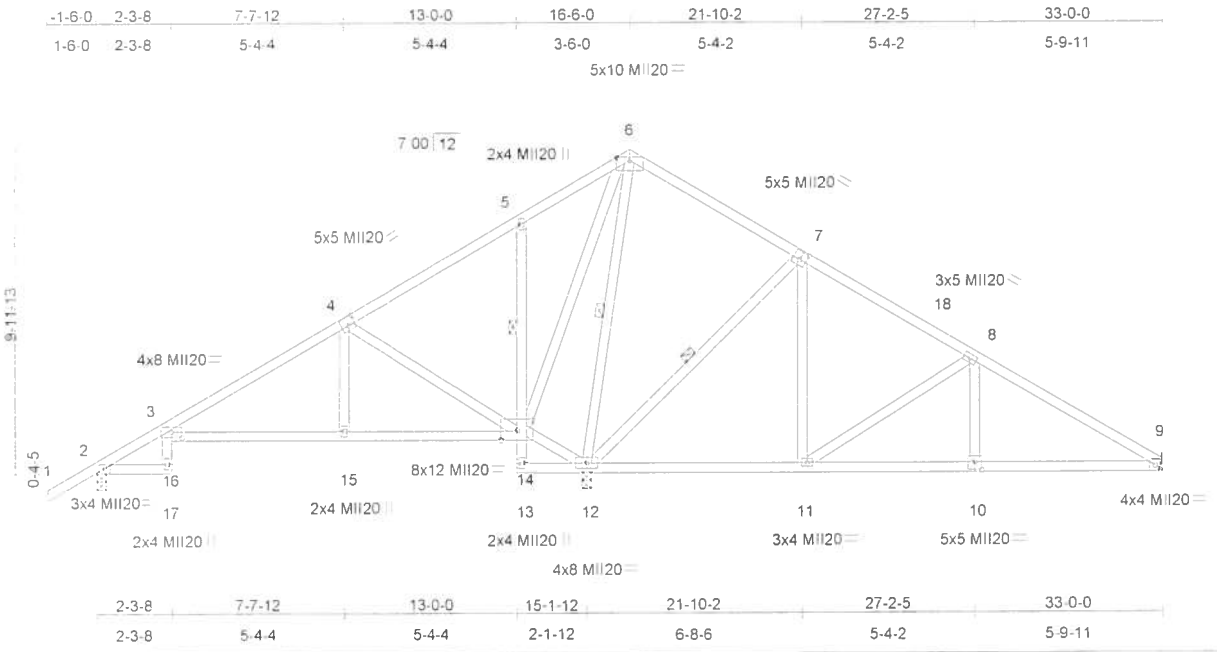


Plate Offsets (X,Y): [3:0-4-0,0-2-2], [4:0-2-8,0-3-4], [7:0-2-8,0-3-0], [10:0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	0.12	15-16	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.17	15-16	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.07	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 202 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
3-17: 2 X 4 SYP No.3, 5-13: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 16-17.
1 Row at midpt 5-14
WEBS 1 Row at midpt 6-12, 7-12

REACTIONS (lb/size) 2=237/0-3-8, 12=2165/0-3-8, 9=320/Mechanical
Max Horz 2=447(load case 4)
Max Uplift 2=-172(load case 3), 12=-736(load case 5), 9=-333(load case 3)
Max Grav 2=264(load case 9), 12=2165(load case 1), 9=486(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-311/286, 3-4=-376/438, 4-5=-453/923, 5-6=-328/917, 6-7=-288/798, 7-18=-419/553, 8-18=-443/528, 8-9=-662/589
BOT CHORD 2-17=-127/171, 16-17=-7/54, 3-16=0/114, 15-16=-284/248, 14-15=-287/247, 13-14=-67/0, 5-14=-251/197, 12-13=-104/0, 11-12=-378/346, 10-11=-429/501, 9-10=-429/501
WEBS 4-15=0/269, 4-14=-544/311, 12-14=-850/613, 6-14=-155/186, 6-12=-1197/441, 7-12=-621/305, 7-11=-108/428, 8-11=-480/331, 8-10=0/237

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 2, 736 lb uplift at joint 12 and 333 lb uplift at joint 9.

LOAD CASE(S) Standard

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January 19,2006

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Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	T1976855
RHFWS3	B2	COMMON	4	1	Job Reference (optional)

SANTA FE TRUSS HIGH SPRINGS FL p colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Jan 19 10:08:29 2006 Page 1

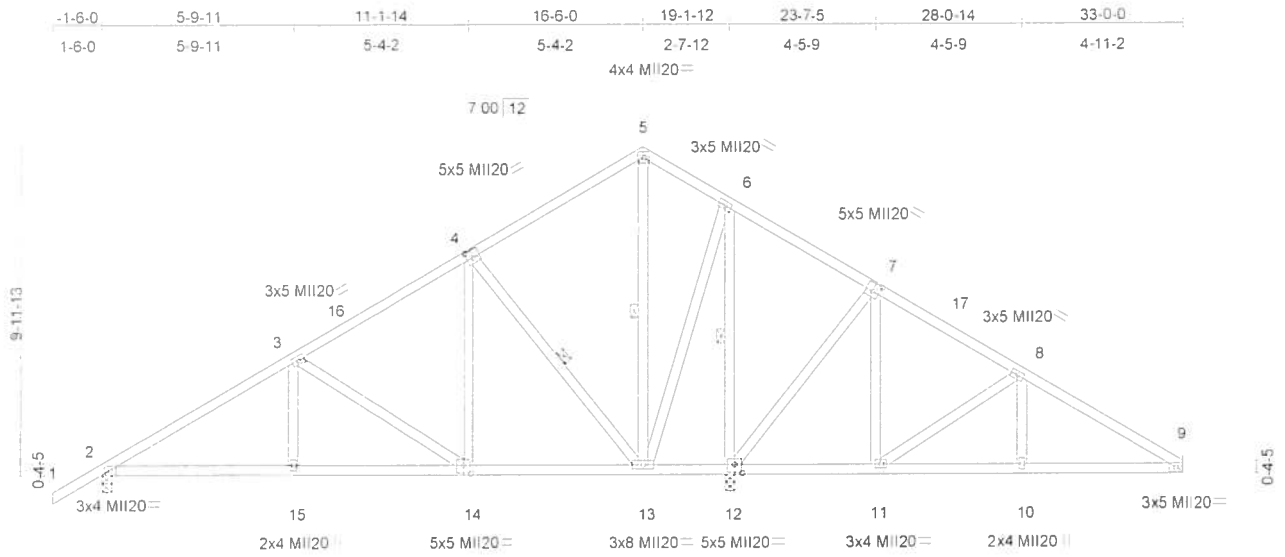

Plate Offsets (X,Y): [4:0-2-8,0-3-0], [7:0-2-8,0-3-0], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	0.03	2-15	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.08	2-15	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 211 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-13, 5-13, 6-12

REACTIONS (lb/size) 2=759/0-3-8, 12=1555/0-3-8, 9=408/Mechanical
Max Horz 2=447(load case 4)
Max Uplift 2=-365(load case 5), 12=-480(load case 6), 9=-166(load case 6)
Max Grav 2=779(load case 9), 12=1555(load case 1), 9=437(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1005/291, 3-16=-569/189, 4-16=-421/213, 4-5=-141/147, 5-6=-52/167, 6-7=-1/327, 7-17=-96/108, 8-17=-219/88, 8-9=-607/203
BOT CHORD 2-15=-430/788, 14-15=-430/788, 13-14=-276/432, 12-13=-228/335, 11-12=-17/163, 10-11=-83/463, 9-10=-83/463
WEBS 3-15=0/235, 3-14=-439/290, 4-14=-101/402, 4-13=-592/297, 5-13=-217/25, 6-13=-180/775, 6-12=-1075/330, 7-12=-491/275, 7-11=-104/334, 8-11=-400/293, 8-10=0/207

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 365 lb uplift at joint 2, 480 lb uplift at joint 12 and 166 lb uplift at joint 9.

LOAD CASE(S) Standard

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FL Cert #6634

January 19,2006

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Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	T1976856
RHFWS3	BET	COMMON	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Jan 19 10:08:30 2006 Page 1

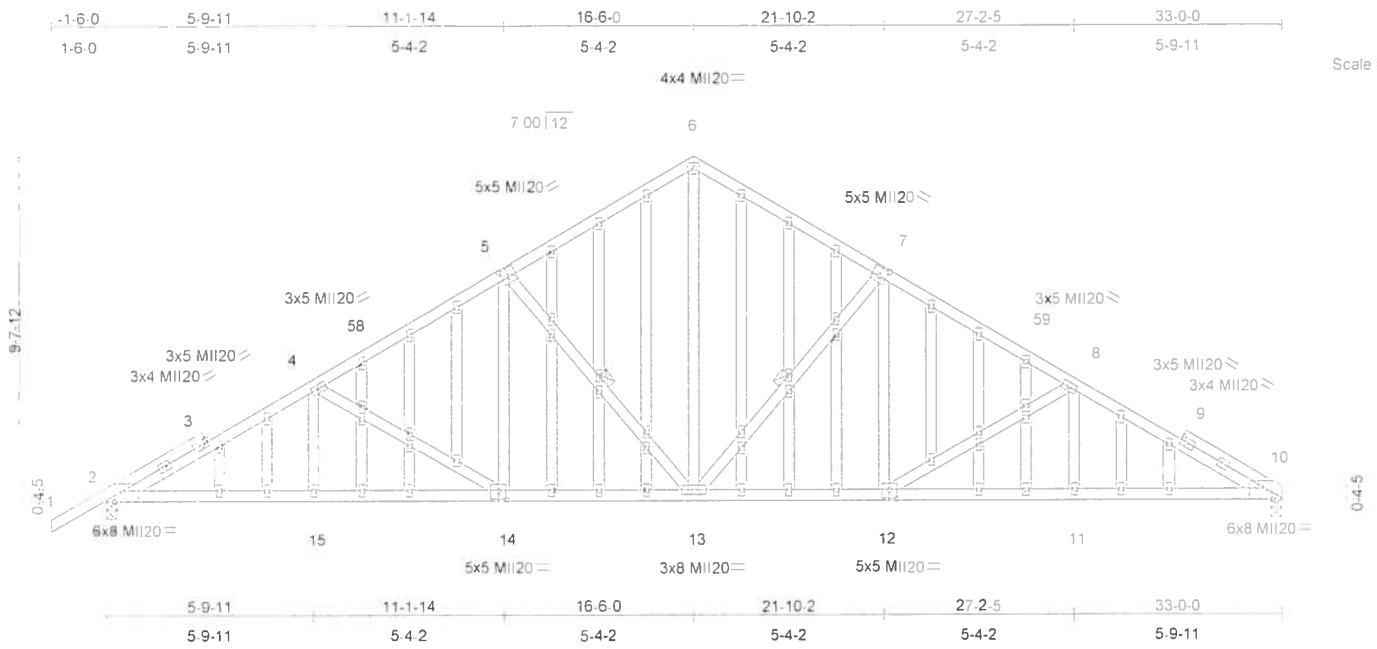

Plate Offsets (X,Y): [2:0-2-11,Edge], [5:0-2-8,0-3-0], [7:0-2-8,0-3-0], [10:0-2-11,Edge], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	0.11	12-13	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.25	12-13	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 310 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-2-7 oc bracing.
WEBS 1 Row at midpt 5-13, 7-13

REACTIONS (lb/size) 2=1410/0-3-8, 10=1306/0-3-8
Max Horz 2=432(load case 4)
Max Uplift2=-565(load case 5), 10=-443(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2393/709, 3-4=-2319/725, 4-58=-1886/592, 5-58=-1797/616, 5-6=-1424/544, 6-7=-1424/543, 7-59=-1801/630, 8-59=-1892/605, 8-9=-2338/760, 9-10=-2413/745
BOT CHORD 2-15=-607/2039, 14-15=-607/2039, 13-14=-328/1547, 12-13=-302/1551, 11-12=-575/2061, 10-11=-575/2061
WEBS 4-15=0/235, 4-14=-563/321, 5-14=-106/424, 5-13=-602/292, 6-13=-369/1025, 7-13=-607/300, 7-12=-120/427, 8-12=-584/355, 8-11=0/237

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail".
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 1-4-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 565 lb uplift at joint 2 and 443 lb uplift at joint 10.

LOAD CASE(S) Standard

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January 19,2006

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Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	T1976857
RHFWS3	C1	COMMON	3	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL p colaono — 6 200 s Oct 18 2005 MiTek Industries, Inc Thu Jan 19 10 08 31 2006 Page 1

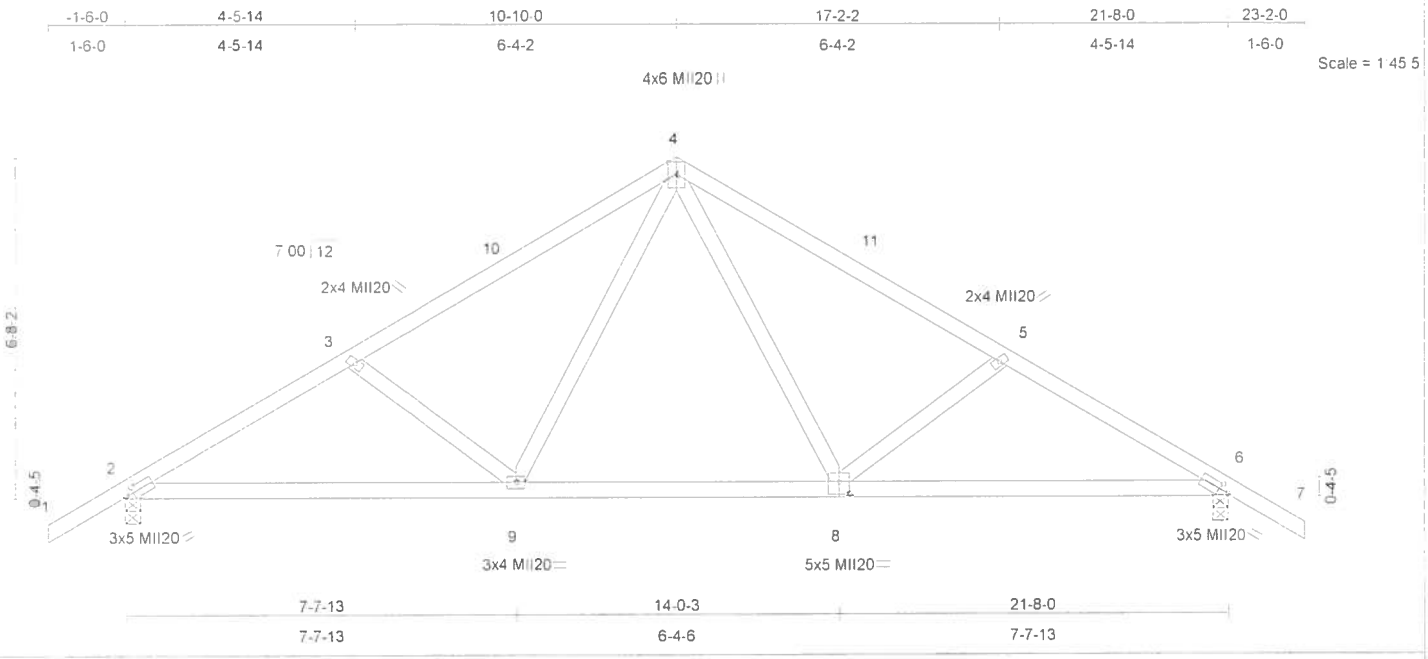

Plate Offsets (X Y) [2 0-2-4 0-1-8], [6 0-2-4 0-1-8], [8 0-2-8 0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1 25	TC	0 30	Vert(LL)	-0 07	6-8	>999	240	MII20	249/190
TCDL	10 0	Lumber Increase	1 25	BC	0 33	Vert(TL)	-0 18	6-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0 13	Horz(TL)	0 04	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight 107 lb	

LUMBER
TOP CHORD 2 X 4 SYP No 2D
BOT CHORD 2 X 4 SYP No 2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-9 oc purlins
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

REACTIONS (lb/size) 2=954/0-3-8, 6=954/0-3-8
Max Horz 2=284(load case 4)
Max Uplift2=-438(load case 5), 6=-438(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1351/497, 3-10=-1130/402, 4-10=-1036/421, 4-11=-1036/421, 5-11=-1130/403, 5-6=-1351/497, 6-7=0/45
BOT CHORD 2-9=-391/1121, 8-9=-96/739, 6-8=-284/1121
WEBS 3-9=-313/304, 4-9=-125/394, 4-8=-125/394, 5-8=-313/305

NOTES
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7-02, 110mph (3-second gust), h=18ft, TCDL=5 0psf, BCDL=5 0psf, Category II, Exp C, enclosed, MWFRS gable end zone, cantilever left and right exposed , end vertical left and right exposed, Lumber DOL=1 33 plate grip DOL=1 33
3) *This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 438 lb uplift at joint 2 and 438 lb uplift at joint 6

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc
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Tampa FL 33619
FL Cert #6634

January 19,2006

1801 Massaro Blvd,
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	T1976858
RHFWS3	CET	COMMON	1	1	Job Reference (optional)

SANTA FE TRUSS HIGH SPRINGS FL., p colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Jan 19 10:08:33 2006 Page 1

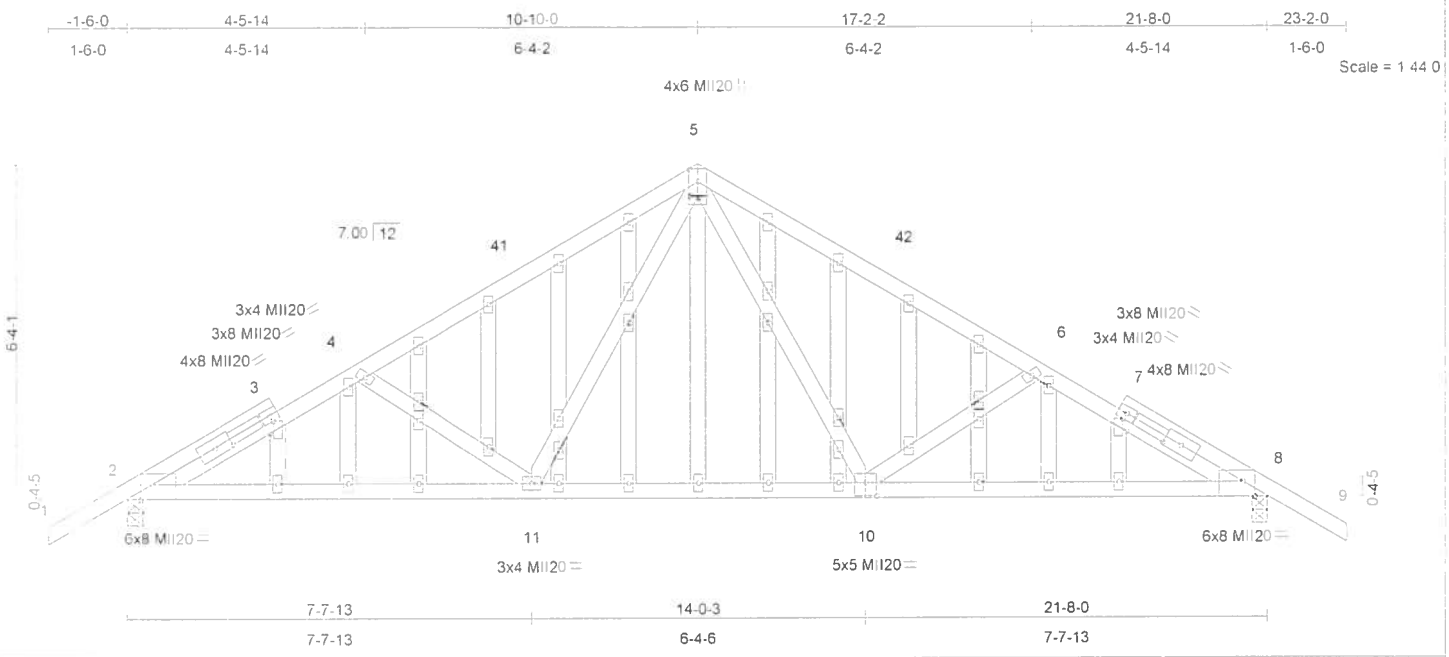

Plate Offsets (X,Y) [2:0-2-11,Edge], [3:0-4-0,0-1-8], [3:0-2-13,0-0-14], [5:0-2-0,0-0-4], [7:0-4-0,0-1-8], [7:0-2-13,0-0-14], [8:0-2-11,Edge], [10:0-2-8,0-3-0], [29:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.06	2-11	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.16	2-11	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 174 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-6-15 oc bracing.

REACTIONS (lb/size) 2=954/0-3-8, 8=954/0-3-8
Max Horz 2=269(load case 4)
Max Uplift2=-440(load case 5), 8=-440(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1497/533, 3-4=-1429/549, 4-41=-1215/417, 5-41=-1121/436, 5-42=-1121/436, 6-42=-1215/418, 6-7=-1429/549, 7-8=-1497/534, 8-9=0/45
BOT CHORD 2-11=-459/1296, 10-11=-116/779, 8-10=-347/1296
WEBS 4-11=-410/338, 5-11=-135/436, 5-10=-135/436, 6-10=-410/339

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail".
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 1-4-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 440 lb uplift at joint 2 and 440 lb uplift at joint 8.

LOAD CASE(S) Standard

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MiTek Industries, Inc
1801 Massaro Blvd
Tampa, FL 33619
FL Cert #6634

January 19,2006

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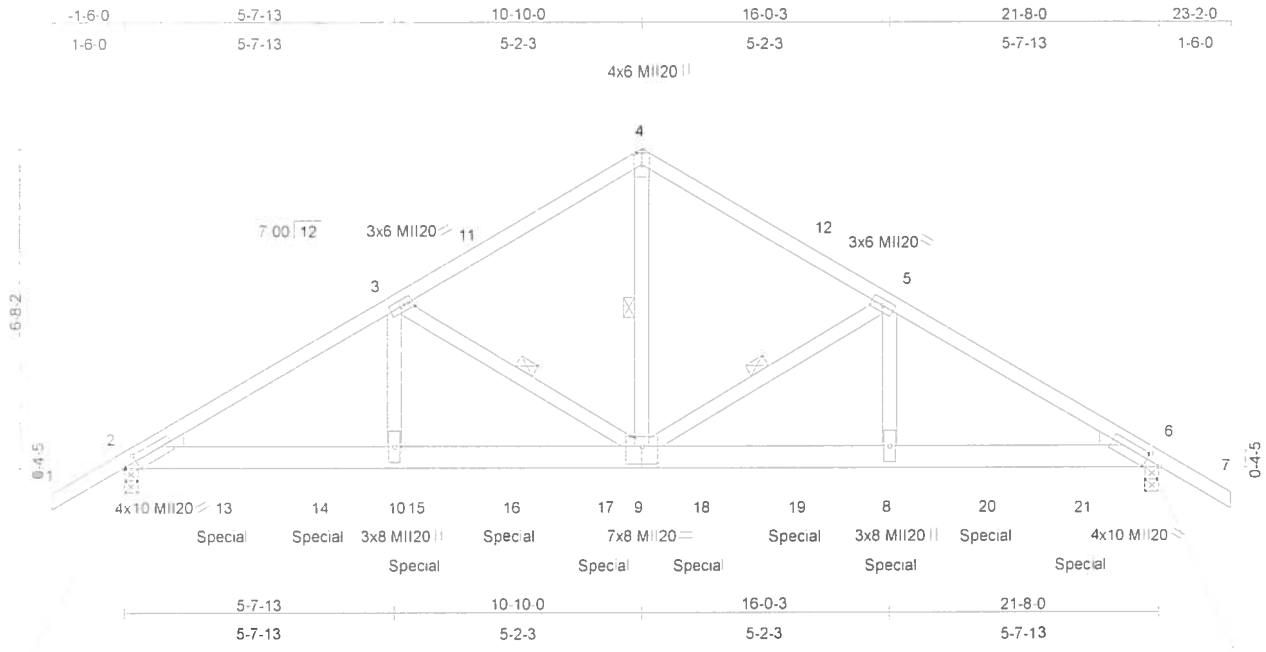
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	
RHFWS3	CGT	COMMON	1	1	T1976859

Job Reference (optional)

SANTA FE TRUSS HIGH SPRINGS FL p colacino 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Jan 19 10:08:34 2006 Page 1



24" 2x6_ bearing block to each face of truss, flush to bearing w/10d comm @ 2.5" o.c. in 3 rows. Bearing block shall have the same species and lumber grade as those of bottom chord.

24" 2x6_ bearing block to each face of truss, flush to bearing w/10d comm @ 2.5" o.c. in 3 rows. Bearing block shall have the same species and lumber grade as those of bottom chord.

Plate Offsets (X,Y): [2:0-3-7,0-1-12], [6:0-3-7,0-1-12], [9:0-4-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.19	9-10	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.29	9-10	>871	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.97	Horz(TL)	0.09	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 130 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP SS
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-1-0 oc bracing.
WEBS 1 Row at midpt 3-9, 4-9, 5-9

REACTIONS (lb/size) 2=4501/0-5-5 (input: 0-3-8), 6=3177/0-3-12 (input: 0-3-8)
Max Horz 2=281(load case 4)
Max Uplift2=-2452(load case 5), 6=-1765(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-5051/2966, 3-11=-3400/1941, 4-11=-3259/1964, 4-12=-3259/1964, 5-12=-3400/1940, 5-6=-4930/2534, 6-7=0/48
BOT CHORD 2-13=-2496/4296, 13-14=-2496/4296, 10-14=-2496/4296, 10-15=-2496/4296, 15-16=-2496/4296, 16-17=-2496/4296, 9-17=-2496/4296, 9-18=-2040/4192, 18-19=-2040/4192, 8-19=-2040/4192, 8-20=-2040/4192, 20-21=-2040/4192, 6-21=-2040/4192
WEBS 3-10=-929/1431, 3-9=-1699/1218, 4-9=-1805/3028, 5-9=-1576/775, 5-8=-479/1304

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) WARNING: Required bearing size at joint(s) 2, 6 greater than input bearing size.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2452 lb uplift at joint 2 and 1765 lb uplift at joint 6.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1306 lb down and 467 lb up at 0-1-12, 466 lb down and 343 lb up at 2-0-12, 466 lb down and 343 lb up at 4-0-12, 466 lb down and 343 lb up at 6-0-12, 466 lb down and 343 lb up at 8-0-12, 466 lb down and 343 lb up at 10-0-12, 466 lb down and 343 lb up at 12-0-12, 417 lb down and 183 lb up at 14-0-12, 417 lb down and 183 lb up at 16-0-12, 417 lb down and 183 lb up at 18-0-12, and 417 lb down and 183 lb up at 20-0-12, and 82 lb up at 21-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

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LOAD CASE(S) Standard

1) Regular: Lumber Increase=1 25, Plate Increase=1 25

Uniform Loads (plf)

Vert: 1-4=-60, 4-7=-60, 2-6=-20

Concentrated Loads (lb)

Vert: 2=-1306(B) 8=-417(B) 13=-466(B) 14=-466(B) 15=-466(B) 16=-466(B) 17=-466(B) 18=-466(B) 19=-417(B) 20=-417(B) 21=-417(B)

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Tampa, FL 33619

MiTek

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

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

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

Floor Plan including:

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

Foundation Plan including:

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

Roof System:

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

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

Wall Sections including:

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

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

b) Wood frame wall
1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space 30
    b. Exterior wall cavity 13
    c. Crawl space (if applicable) NA

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

Floor Framing System:

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

b) Floor joist size and spacing

c) Girder size and spacing

d) Attachment of joist to girder

e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

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

b) Ceiling fans

c) Smoke detectors

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

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

f) Appliances and HVAC equipment

g) Arc Fault Circuits (AFCI) in bedrooms

h) Exhaust fans in bathroom

HVAC information

a) Energy Calculations (dimensions shall match plans)

b) Manual J sizing equipment or equivalent computation

N/A c)Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

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

Private Potable Water > POSSIBLY
CITY WATER AVAILABLE

UNIVERSAL
ENGINEERING SCIENCES
Consultants In: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing

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

REPORT ON IN-PLACE DENSITY TESTS

No permit posted

CLIENT: Royale Custom Homes

PROJECT: Turnbull Res
221 S.W. Regent way Fort White, FL 32038 Columbia Co.

AREA TESTED: Fill & upg. bldg. pad and Ind. Found.

COURSE: 1/6 DEPTH OF TEST: 0-1'

TYPE OF TEST: ASTM D-2922 DATE TESTED: 3-20-06

NOTE: The below tests DO/DO NOT meet the minimum 95 % compaction requirements of maximum density.

REMARKS: # 24228

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
		106.2			13.2
Apx. ctr. of S. Ind. Found.	101.0		95.1	3.6	"
"					
Apx. ctr. of pad	102.1		96.1	4.0	
"					
Apx. ctr. of N. side of pad	101.6	"	95.7	3.9	"
"					

4404

TECH. T.E.

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 34-6S-16-04059-103 **Building permit No.** 000024228

Use Classification SFD,UTILITY **Fire:** 11.84

Permit Holder ROYALE CUSTOM HOMES **Waste:** 0.00

Owner of Building RAYMOND & CAROLYN FROMHOLT **Total:** 11.84

Location: 221 SW DEPOT WAY(FT. WHITE STATION,LOT 3)

Date: 08/17/2006

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)