Lot 6 Block B Plantation Estates

12/09/2004 23:01 3867582160 BLDG AND ZONING PAGE 01

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0601-13 Date Received 1/5 By JW Permit # 24043

Application Approved by - Zoning Official BLK Date 11.01.06 Plans Examiner OK JTH Date 1-11-06

Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Den.

Comments

Applicants Name Linda Roder - Melanie Roder Phone 752-2281

Address 387 S.W. Kemp ct. Lake City FL 32024

Owners Name Erkinger Properties, Inc. Phone 754-5555

911 Address 430 S. W. Stewart Loop Lake City FL 32024

Contractors Name Matthew Erkinger Phone 754-5555

Address 248 S.E. Nassau St. Lake City FL 32025

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Evan Beamsley / Mark Disosway

Mortgage Lenders Name & Address Peoples State Bank

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

Property ID Number 25-4S-16-03170-001 Estimated Cost of Construction 150,000

Subdivision Name Plantation Estates Lot 6 Block B Unit Phase

Driving Directions 47 S. to CR 242, go R until Stewart Loop (about .5 mi, Turn L on 2nd Entrance, 3rd Lot down on L

Type of Construction SFD Number of Existing Dwellings on Property 0

Total Acreage Lot Size .61 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 35' Side 24' Side 24' Rear 70'

Total Building Height 19'-4" Number of Stories 1 Heated Floor Area 2080 Roof Pitch 6-12

PORCH 293 GARAGE 521 TOTAL 2894

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

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

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

Owner Builder or Agent (Including Contractor) Linda R. Roder

STATE OF FLORIDA
COUNTY OF COLUMBIA

Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Sworn to (or affirmed) and subscribed before me this 10 day of December 2005.

Personally known ✓ or Produced Identification

Contractor Signature

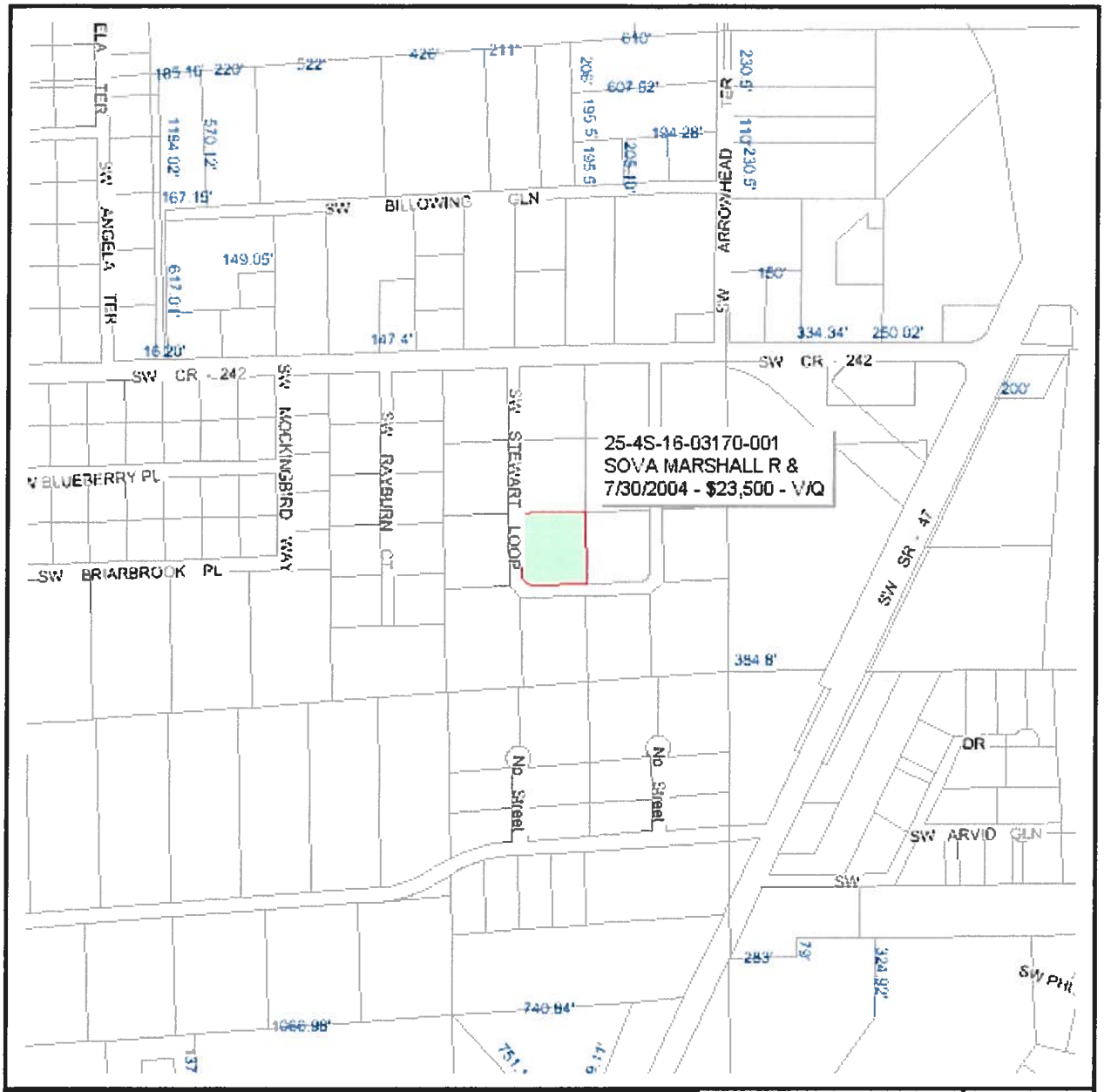
Contractors License Number RR-067135

Competency Card Number

NOTARY STAMP/SEAL

Notary Signature

ADVISED RODER, L. 1-18-06



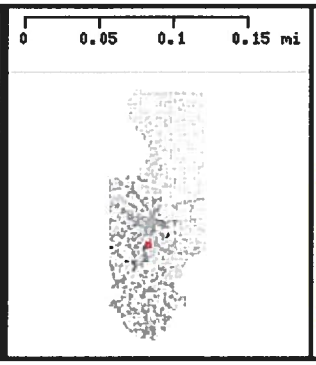
Columbia County Property Appraiser

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

PARCEL: 25-4S-16-03170-001 - VACANT (000000)

LOT 6 BLK B PLANTATION ESTATES S/D. ORB 697-844, PROB #01-193-CP ORB 937-2387

Name:	ERKINGER PROPERTIES INC		LandVal	$20,000.00
Site:	PLANTATION ESTATES		BldgVal	$0.00
Mail:	248 SE NASSAU ST		ApprVal	$20,000.00
	LAKE CITY, FL 32025		JustVal	$20,000.00
Sales Info	8/3/2005	$25,000.00 V / Q	Assd	$20,000.00
	5/10/2005	$100.00 V / U	Exmpt	$0.00
	7/30/2004	$23,500.00 V / Q	Taxable	$20,000.00

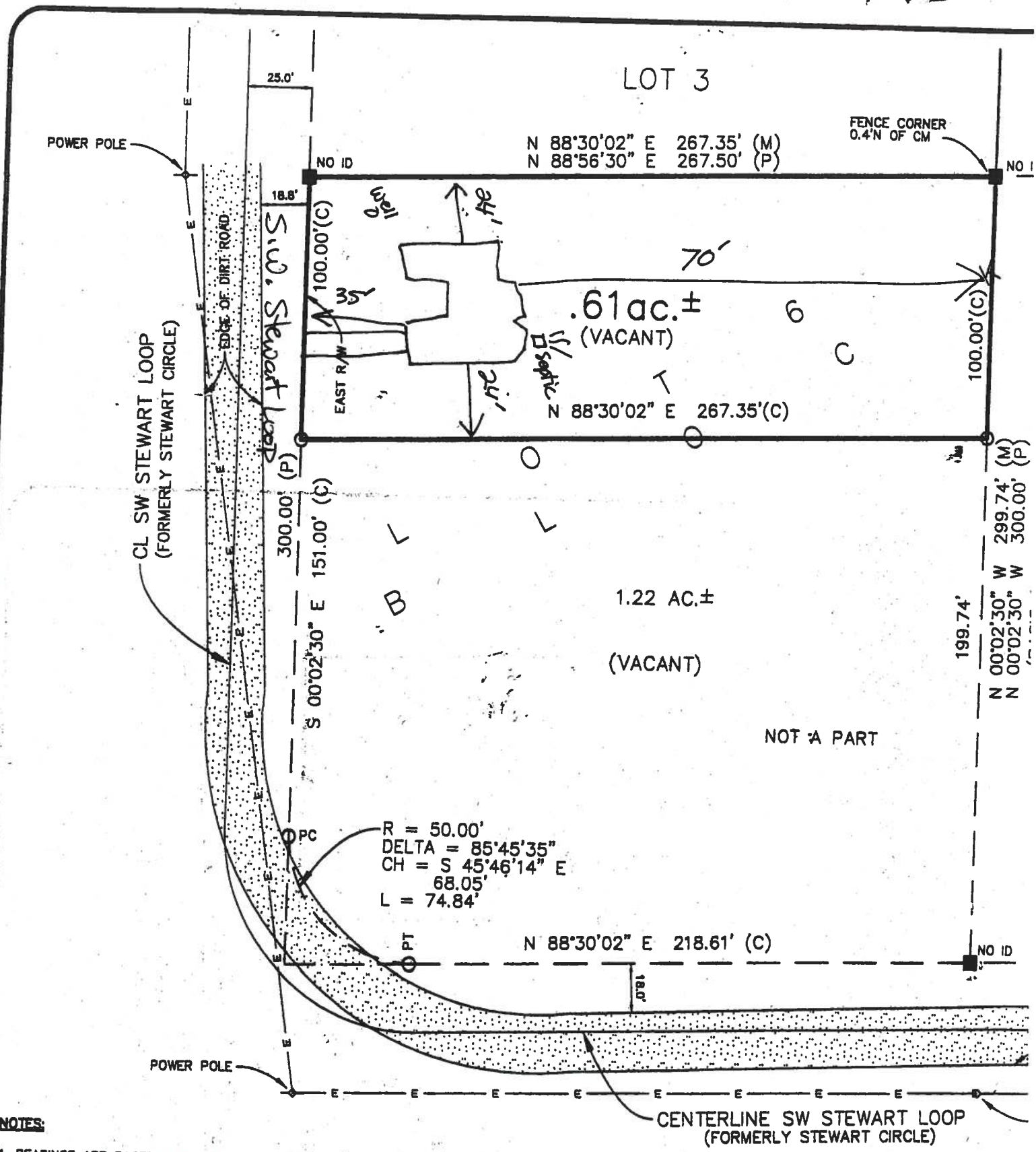


R-031070-00?

Site Plan

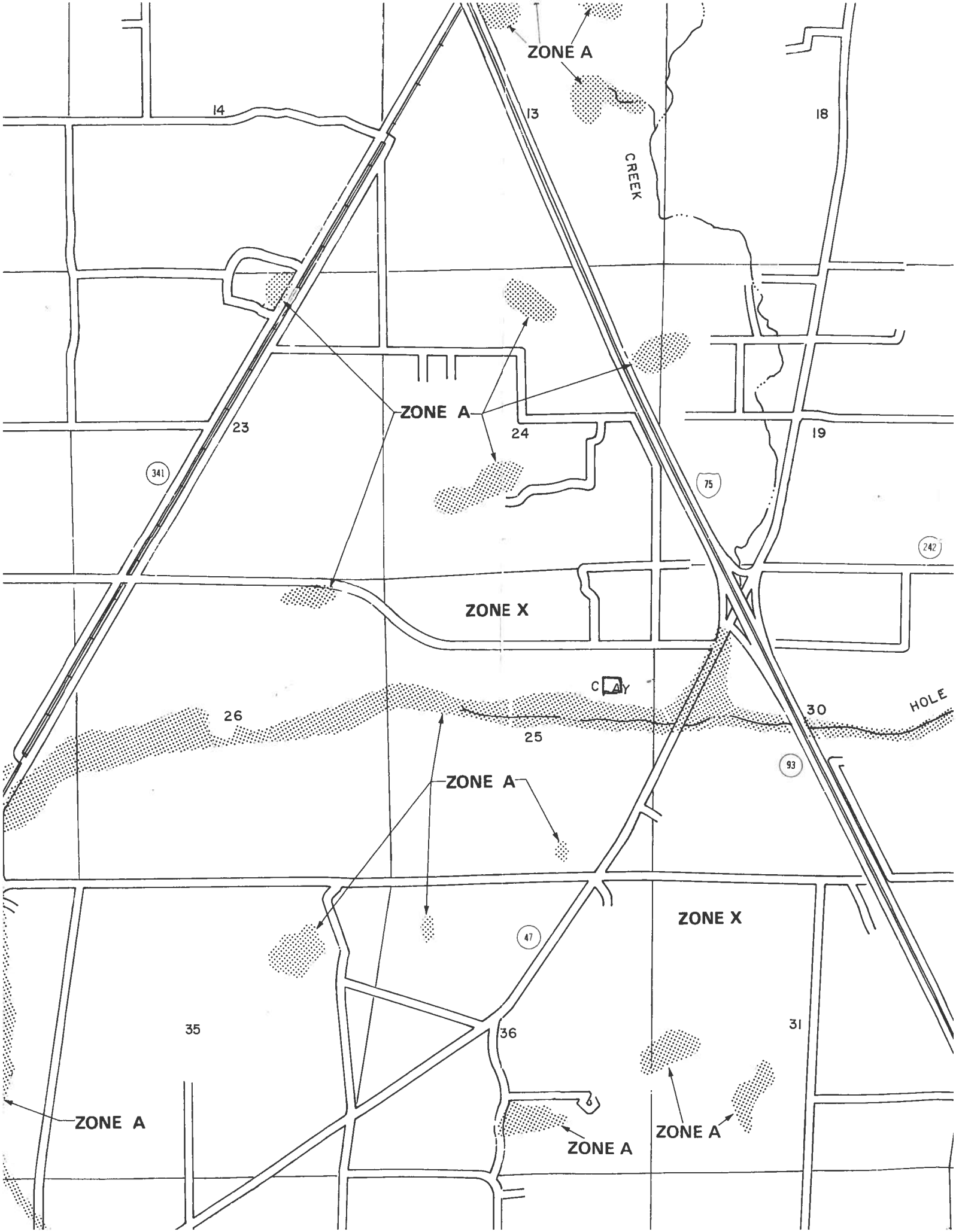
Erkinger

Lot 6 BIKB Plantation Estates



NOTES:

1. BEARINGS ARE BASED ON THE EAST LINE OF LOT 6, PLANTATION ESTATES, BLOCK "B", BEING N 00°02'30" W.
2. SUBJECT PROPERTY LIES IN ZONE "X", AN AREA OUTSIDE OF THE 500-YEAR FLOOD PLAIN PER FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 1200 JANUARY 6, 1988. FLOOD ZONE LINES, IF ANY, ARE SCALED FROM FLOOD INSURANCE RATE MAPS, PROVIDED BY FEMA.
3. ONLY THOSE VISIBLE INTERIOR IMPROVEMENTS AND IMPROVEMENTS PERTINENT TO THE SUBJECT PROPERTY HAVE BEEN LOCATED AS SHOWN HEREON. EXCEP UNDERGROUND FACILITIES AND OTHER IMPROVEMENTS NOT VISIBLE OR KNOWN AT DATE OF SURVEY.

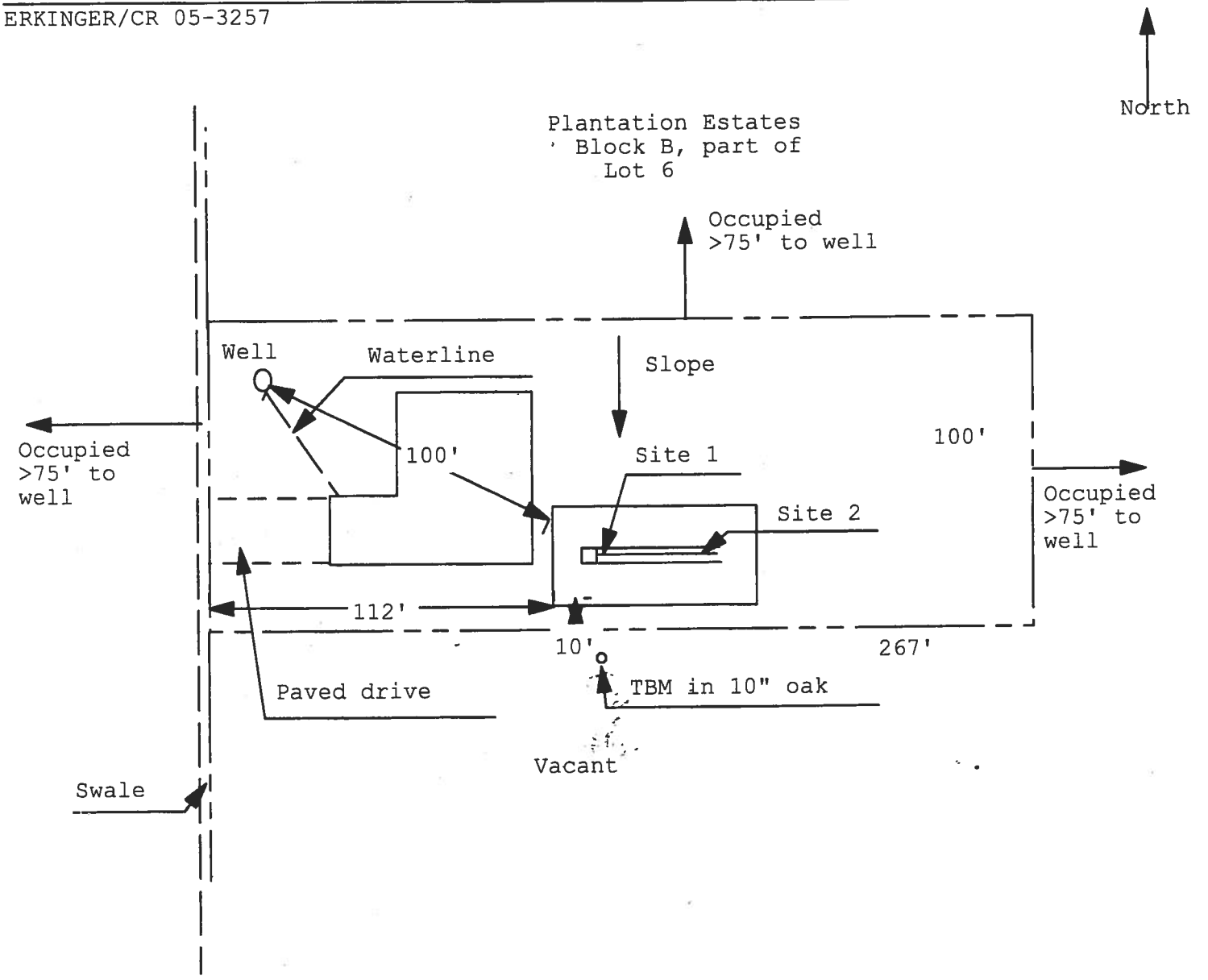

ZONE A
14
13
18
CREEK
ZONE A
23
24
19
341
75
242
ZONE X
CITY
26
25
30
HOLE
93
ZONE A
ZONE X
47
35
36
31
ZONE A
ZONE A
ZONE A

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

Permit Application Number: 05-1226N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

ERKINGER/CR 05-3257



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 12/16/05

Plan Approved ✓ Not Approved ____ Date 12/19/05

By [signature] Columbia CPHU

Notes: ____

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 05-388
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:200513049 Date:08/08/2005 Time:11:45
Doc Stamp-Deed : 175.00
DC,P.DeWitt Cason,Columbia County B:1054 P:1127

Property Appraiser's
Identification Number R03170-001

WARRANTY DEED

This Warranty Deed, made this 3rd day of August, 2005, BETWEEN MARSHALL R. SOVA, whose post office address is 427 SE Melrose Way, Lake City, FL 32025, of the County of Columbia, State of Florida, grantor", and ERKINGER PROPERTIES, INC., A Florida Corporation whose post office address is 248 SW Nassau Street, Lake City, FL 32025, of the County of Columbia, State of Florida, grantee".

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

> Lot 6, Block B, PLANTATION ESTATES, a subdivision according to the plat thereof as recorded in Plat Book 3, Page 77 of the public records of Columbia County, Florida.
>
> N.B.: Neither the Grantor nor any member of his family live on or reside on the property described herein or any adjacent land thereto or claim any part hereof or any adjacent land thereto as their homestead.

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

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

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

(Signature of First Witness)

(Typed Name of First Witness)

(Signature of Second Witness)

(Typed Name of Second Witness)

_____(SEAL)
Grantor
MARSHALL R. SOVA
Printed Name

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 3rd day of August, 2005, by MARSHALL R. SOVA, who is personally known to me or who has produced _____ as identification and who did not take an oath.

My Commission Expires:

Notary Public
Printed, typed, or stamped name:

TERRY MCCLAVID
NOTARY PUBLIC STATE OF FLORIDA

Inst:200512043 Date:08/08/2005 Time:11:45
Doc Stamp-Deed : 175.00
DC,P.DeWitt Cason,Columbia County B:1034 P:1128

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 05-949
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:2005028830 Date:11/17/2005 Time:16:46
DC,P.DeWitt Cason,Columbia County B:1065 P:1602

PERMIT NO._____

TAX FOLIO NO.:R03170-001

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 property:

Lot 6, Block B, PLANTATION ESTATES, a subdivision according to the plat thereof recorded in Plat Book 3, Page 77 of the public records of Columbia County, Florida.

2. General description of improvement: Construction of Dwelling

3. Owner information:
   a. Name and address: ERKINGER HOME BUILDERS, INC., 248 SE Nassau Street, Lake City, FL 32025

   b. Interest in property: Fee Simple

   c. Name and address of fee simple title holder (if other than Owner): None

4. Contractor: ERKINGER HOME BUILDERS, INC.
   248 SE Nassau Street, Lake City, FL 32025

5. Surety n/a
   a. Name and address:
   b. Amount of bond:

6. Lender: PEOPLES STATE BANK
   350 SW Main Blvd., Lake City, FL 32025

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: None

8. In addition to himself, Owner designates PEOPLES STATE BANK, 350 SW Main Blvd., Lake City, FL 32025 to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified). November 16, 2006.

ERKINGER HOME BUILDERS, INC.

By: MATTHEW A. ERKINGER, SR.,
President

The foregoing instrument was acknowledged before me this 16th day of November, 2005, by MATTHEW A. ERKINGER, SR., as President of ERKINGER HOME BUILDERS, INC., who is personally known to me and who did not take an oath.

Notary Public
My commission expires

TERRY McDAVID
MY COMMISSION EXPIRES
January 16, 2006
#DD 176305

ASPEN
PEST CONTROL, INC.

Phone (386) 755-3611
Fax (386) 752-5381

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

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

Lot 6 Block B Plantation Estates – Lake City, FL

Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate

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

Application onto Structural Wood

Description of Treatment

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

Authorized Signature

12/7/05
Date

752-2282

CLYATT WELL DRILLING, INC.

Established in 1971
Post Office Box 180
Worthington Springs, Florida 32697
Phone (386)496-2488 FAX (386)496-4840

INVOICE DATE	INVOICE NUMBER
3/31/2003	WELL SPECS

DUE AND PAYABLE UPON RECEIPT

CUSTOMER NAME AND ADDRESS
Erkinger Home Builders Attn.: Matthew A. Erkinger 248 Southeast Nassau Street Lake City, Florida 32025

DESCRIPTION OF WORK
4" Well and Pump

QTY	DESCRIPTION	PRICE	SUB-TOTAL
	Feet 4" Well 1 HP Submersible Pump 1-1/4" Galvanized Pipe 14/3 Submersible Pump Wire With Ground WF255 (220 Gallon Equivalent) Tank 4 X 1-1/4 Well Seal Pressure Relief Valve Controls & Fittings		

FORM 600A-2001 EnergyGauge® 3.4

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Lt 6 Plantation Estates**	Builder:	**Erkinger Homes**
Address:		Permitting Office:	Columbia
City, State:	**Lake City, Fl**	Permit Number:	24043
Owner:	**Erkinger Homes**	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?		No	
6. Conditioned floor area (ft²)		2080 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	303.0 ft²	
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 179.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=11.0, 1247.0 ft²	
b. Frame, Wood, Adjacent		R=11.0, 219.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2080.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 200.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit		Cap: 42.0 kBtu/hr
		SEER: 10.00
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump		Cap: 42.0 kBtu/hr
		HSPF: 7.00
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance		Cap: 50.0 gallons
		EF: 0.91
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: 0.15

Total as-built points: 28862

Total base points: 29638

PASS

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

PREPARED BY: Rick Chesnut

DATE: 1-3-06

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

OWNER/AGENT: _____

DATE: 1-05-06

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.

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

BUILDING OFFICIAL: _____

DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, Fl,** 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	2080.0	20.04	7503.0	Double, Clear	N	1.5	8.0	99.0	19.20	0.97	1838.6	
				Double, Clear	E	1.5	8.0	6.0	42.06	0.96	241.7	
				Double, Clear	S	1.5	8.0	190.0	35.87	0.92	6291.9	
				Double, Clear	W	1.5	8.0	8.0	38.52	0.96	295.3	
				As-Built Total:				**303.0**			**8667.4**	
WALL TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Adjacent	219.0	0.70	153.3	Frame, Wood, Exterior			11.0	1247.0	1.70		2119.9	
Exterior	1247.0	1.70	2119.9	Frame, Wood, Adjacent			11.0	219.0	0.70		153.3	
Base Total:	**1466.0**		**2273.2**	**As-Built Total:**				**1466.0**			**2273.2**	
DOOR TYPES	Area X	BSPM	= Points	Type				Area X	SPM	=	Points	
Adjacent	21.0	2.40	50.4	Adjacent Wood				21.0	2.40		50.4	
Exterior	0.0	0.00	0.0									
Base Total:	**21.0**		**50.4**	**As-Built Total:**				**21.0**			**50.4**	
CEILING TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM X SCM	=	Points	
Under Attic	2080.0	1.73	3598.4	Under Attic			30.0	2080.0	1.73 X 1.00		3598.4	
Base Total:	**2080.0**		**3598.4**	**As-Built Total:**				**2080.0**			**3598.4**	
FLOOR TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Slab	179.0(p)	-37.0	-6623.0	Slab-On-Grade Edge Insulation			0.0	179.0(p	-41.20		-7374.8	
Raised	0.0	0.00	0.0									
Base Total:			**-6623.0**	**As-Built Total:**				**179.0**			**-7374.8**	
INFILTRATION	Area X	BSPM	= Points					Area X	SPM	=	Points	
	2080.0	10.21	21236.8					2080.0	10.21		21236.8	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, Fl,	PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**28038.8**	**Summer As-Built Points:**						**28451.4**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
28038.8	**0.4266**		**11961.3**	28451.4 **28451.4**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.341 **0.341**	1.000 **1.000**		11047.7 **11047.7**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , **Lake City, Fl,** 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	2080.0	12.74	4769.9	Double, Clear	N	1.5	8.0	99.0	24.58	1.00	2435.3	
				Double, Clear	E	1.5	8.0	6.0	18.79	1.02	115.0	
				Double, Clear	S	1.5	8.0	190.0	13.30	1.04	2630.3	
				Double, Clear	W	1.5	8.0	8.0	20.73	1.01	167.7	
				As-Built Total:				**303.0**			**5348.2**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	219.0	3.60	788.4	Frame, Wood, Exterior			11.0	1247.0	3.70		4613.9	
Exterior	1247.0	3.70	4613.9	Frame, Wood, Adjacent			11.0	219.0	3.60		788.4	
Base Total:	**1466.0**		**5402.3**	**As-Built Total:**				**1466.0**			**5402.3**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	21.0	11.50	241.5	Adjacent Wood				21.0	11.50		241.5	
Exterior	0.0	0.00	0.0									
Base Total:	**21.0**		**241.5**	**As-Built Total:**				**21.0**			**241.5**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points	
Under Attic	2080.0	2.05	4264.0	Under Attic			30.0	2080.0	2.05 X 1.00		4264.0	
Base Total:	**2080.0**		**4264.0**	**As-Built Total:**				**2080.0**			**4264.0**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	179.0(p)	8.9	1593.1	Slab-On-Grade Edge Insulation			0.0	179.0(p	18.80		3365.2	
Raised	0.0	0.00	0.0									
Base Total:			**1593.1**	**As-Built Total:**				**179.0**			**3365.2**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	2080.0	-0.59	-1227.2					2080.0	-0.59		-1227.2	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, Fl,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**15043.6**	**Winter As-Built Points:**					**17394.0**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
15043.6	**0.6274**	**9438.3**	17394.0 **17394.0**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.487 **0.487**	1.000 **1.000**	9847.6 **9847.6**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, Fl,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	50.0	0.91	3	1.00	2655.47	1.00	7966.4	
				As-Built Total:							**7966.4**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
11961	**9438**	**8238**	**29638**	**11048**	**9848**	**7966**	**28862**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , **Lake City, Fl,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

Residential System Sizing Calculation

Summary

Erkinger Homes

Lake City, Fl

Project Title:
Lt 6 Plantation Estates

Code Only
Professional Version
Climate: North

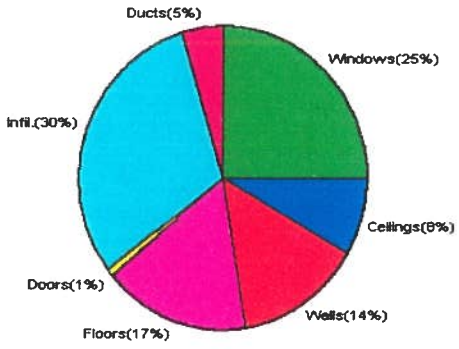
1/3/2006

Location for weather data: Jacksonville - User customized: Latitude(30) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(49gr.)					
Winter design temperature	32	F	Summer design temperature	99	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	38	F	Summer temperature difference	24	F
Total heating load calculation	**32965**	**Btuh**	**Total cooling load calculation**	**32389**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	127.4	42000	Sensible (SHR = 1)	177.8	42000
Heat Pump + Auxiliary(0.0kW)	127.4	42000	Latent	0.0	0
			Total (Electric Heat Pump)	129.7	42000

WINTER CALCULATIONS

Winter Heating Load (for 2080 sqft)

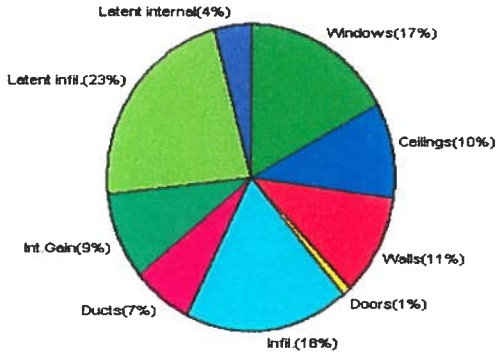
Load component			Load	
Window total	303	sqft	8363	Btuh
Wall total	1466	sqft	4634	Btuh
Door total	21	sqft	193	Btuh
Ceiling total	2080	sqft	2704	Btuh
Floor total	179	ft	5513	Btuh
Infiltration	239	cfm	9988	Btuh
Subtotal			**31395**	**Btuh**
Duct loss			1570	Btuh
TOTAL HEAT LOSS			**32965**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2080 sqft)

Load component			Load	
Window total	303	sqft	5585	Btuh
Wall total	1466	sqft	3490	Btuh
Door total	21	sqft	268	Btuh
Ceiling total	2080	sqft	3286	Btuh
Floor total			0	Btuh
Infiltration	222	cfm	5850	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**21478**	**Btuh**
Duct gain			2148	Btuh
Total sensible gain			**23626**	**Btuh**
Latent gain(infiltration)			7383	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**8763**	**Btuh**
TOTAL HEAT GAIN			**32389**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: [signature]

DATE: 1-3-06

System Sizing Calculations - Winter

Residential Load - Component Details

Erkinger Homes
Lake City, Fl

Project Title:
Lt 6 Plantation Estates

Code Only
Professional Version
Climate: North

Reference City: Jacksonville (User customized) Winter Temperature Difference: 38.0 F 1/3/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	99.0	27.6	2732 Btuh
2	2, Clear, Metal, DEF	E	6.0	27.6	166 Btuh
3	2, Clear, Metal, DEF	S	190.0	27.6	5244 Btuh
4	2, Clear, Metal, DEF	W	8.0	27.6	221 Btuh
	Window Total		303		8363 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	11.0	1247	3.4	4240 Btuh
2	Frame - Adjacent	11.0	219	1.8	394 Btuh
	Wall Total		1466		4634 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Adjac		21	9.2	193 Btuh
	Door Total		21		193Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2080	1.3	2704 Btuh
	Ceiling Total		2080		2704Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	179.0 ft(p)	30.8	5513 Btuh
	Floor Total		179		5513 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	20800(sqft)	139	5808 Btuh
	Mechanical			100	4180 Btuh
	Infiltration Total			239	9988 Btuh

Totals for Heating	**Subtotal**	**31395 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1570 Btuh**
	Total Btuh Loss	**32965 Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Erkinger Homes
Lake City, Fl

Project Title:
Lt 6 Plantation Estates

Code Only
Professional Version
Climate: North

Reference City: Jacksonville (User customized) Summer Temperature Difference: 24.0 F 1/3/2006

Window	Type Panes/SHGC/U/InSh/ExSh Ornt	Overhang Len	 Hgt	Window Area(sqft) Gross	 Shaded	 Unshaded	HTM Shaded	 Unshaded	Load
1	2, Clear, DEF, B, N N	1.5	8	99.0	0.0	99.0	17	17	1683 Btuh
2	2, Clear, DEF, B, N E	1.5	8	6.0	0.0	6.0	17	48	288 Btuh
3	2, Clear, DEF, B, N S	1.5	8	190.0	190.0	0.0	17	26	3230 Btuh
4	2, Clear, DEF, B, N W	1.5	8	8.0	0.0	8.0	17	48	384 Btuh
	Window Total			303					5585 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Exterior	11.0	1247.0	2.5	3118 Btuh
2	Frame - Adjacent	11.0	219.0	1.7	372 Btuh
	Wall Total		1466.0		3490 Btuh

Doors	Type	Area	HTM	Load
1	Wood - Adjac	21.0	12.7	268 Btuh
	Door Total	21.0		268 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	30.0	2080.0	1.6	3286 Btuh
	Ceiling Total		2080.0		3286 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	179.0 ft(p)	0.0	0 Btuh
	Floor Total		179.0		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	20800	121.6	3210 Btuh
	Mechanical			100	2640 Btuh
	Infiltration Total			222	5850 Btuh

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

Totals for Cooling	**Subtotal**	**21478 Btuh**
	Duct gain(using duct multiplier of 0.10)	**2148 Btuh**
	Total sensible gain	**23626 Btuh**
	Latent infiltration gain (for 49 gr. humidity difference)	**7383 Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**32389 Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000947

DATE 01/17/2006 PARCEL ID # 25-4S-16-03170-001

APPLICANT MELANIE RODER PHONE 386.752.2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER ERKINGER PROPRTIES,INC. PHONE 754.5555

ADDRESS 430 SW STEWART LOOP LAKE CITY FL 32024

CONTRACTOR MATTHEW ERKINGER PHONE 386.754.5555

LOCATION OF PROPERTY 47-S TO C-240 TR UNTIL STEWART LOOP(ABOUT 1/1 MILE,TL ON 2ND ENTRANCE AND IT'S THE 3RD LOT DOWN ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT PLANTATION ESTATES 6 B

SIGNATURE Melanie Roder

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

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

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

Lot 6
Block B

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional
☑	☐	**Elevations including:**
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation
☑	☐	d) Location, size and height above roof of chimneys
☑	☐	e) Location and size of skylights
☑	☐	f) Building height
☑	☐	e) Number of stories

Floor Plan including:

- ☑ ☐ a) Rooms labeled and dimensioned
- ☑ ☐ b) Shear walls
- ☑ ☐ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☐ ☐ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☐ ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☑ ☐ f) Must show and identify accessibility requirements (accesssable 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 104.2.1 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 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- ☐ ☐ a) Masonry wall
  1. All materials making up wall
  2. Block size and mortar type with size and spacing of reinforcement
  3. Lintel, tie-beam sizes and reinforcement
  4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
  6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  7. Fire resistant construction (if required)
  8. 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)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

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

Floor Framing System:

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

☑ ☐ b) Floor joist size and spacing

☑ ☐ c) Girder size and spacing

☑ ☐ d) Attachment of joist to girder

☑ ☐ e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

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

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

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

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

☑ ☐ f) Appliances and HVAC equipment

HVAC information

☑ ☐ a) Manual J sizing equipment or equivalent computation

☑ ☐ b) Exhaust fans in bathroom

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

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

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

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

Rendered to:

MI HOME PRODUCTS, INC.

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

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 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. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb

Allen M. Reeves
1 APRIL 2002

REEVES ALLEN M. PROFESSIONAL ENGINEER CERTIFICATE NO. 18354 STATE OF FLORIDA

Test Specimen Description: (Continued)

Glazing Details: The test specimen utilized 5/8" thick, sealed insulating glass constructed using two sheets of 1/8" thick, clear annealed glass and a Swiggle™ spacer system. The active sash was channel glazed using a flexible vinyl gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing bead.

Weatherstripping:

Description	Quantity	Location
0.250" high by 0.170" backed polypile with center fin	Row	Top and bottom rail
0.270" high by 0.170" backer polypile with center fin	Row	Jamb stile and interlock

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with three screws each. The fixed meeting rail was secured with two screws through the end caps into head and sill.

Sash Construction: The sash was constructed of extruded aluminum with coped and butted corners fastened with one screw each.

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

Hardware:

Description	Quantity	Location
Metal sweep lock	2	17" from ends of interior meeting stile
Roller assembly	2	One on each end of active panel
Screen leaf spring	2	6" from each corner on meeting stile
Screen spring-loaded plunger	2	4-1/2" from corners on jamb stile

Test Specimen Description: (Continued)

Drainage:

Description	Quantity	Location
1/4" long by 1/8" weepslot	2	One in each corner of glazing channel, draining the glazing channel

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood buck using 1" galvanized roofing nails through the nail fin, spaced 6" on center. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.2.5.1	Operating Force	14 lbs	20 lbs max.
	Air Infiltration per ASTM E 283 (See Note #1) @ 1.57 psf (25 mph)	0.19 cfm/ft^2	0.3 cfm/ft^2 max
	Water Resistance per ASTM E 547-96 (with and without screen) · WTP = 2.86 psf	No leakage	No leakage
2.1.4.2	Uniform Load Structural per ASTM E 330 (See Note #2)		

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

Note #2: *The client opted to begin at a pressure higher than the minimum required. Those results are listed under "Optional Performance".*

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
	Forced Entry Resistance per ASTM F 588-97		
	Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction at 70 lbs		
	Left stile	0.03"/6.25%	0.50"/100%
	Right stile	0.03"/6.25%	0.50"/100%
	In remaining direction at 50 lbs		
	Top rail	0.02"/3.12%	0.50"/100%
	Bottom rail	0.02"/3.12%	0.50"/100%
Optional Performance			
4.3	Water Resistance per ASTM E 547-96 (with and without screen) WTP = 4.50 psf	No leakage	No leakage
4.4.	Uniform Load Deflection per ASTM E 330-97 (Measurements reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	@ 30.0 psf (positive)	0.62"*	0.41" max.
	@ 30.0 psf (negative)	0.58"*	0.41" max.
	@ 34.7 psf (negative)	0.64"*	0.41" max.

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

	Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	@ 45.0 psf (positive)	0.10"	0.28" max.
	@ 45.0 psf (negative)	0.06"	0.28" max.
	@ 52.0 psf (negative)	0.09"	0.28" 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

Allen N. Reeves, P.E.
Director - Engineering Services
4 JANUARY 2002

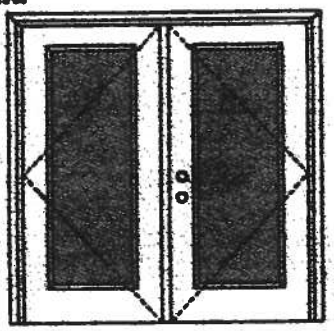
MAH:nlb
01-40381.01

XX
Glazed Outswing Unit

[redacted]

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

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


133, 135 Series


135 Series


600 Series


622 Series

1/2 GLASS:


165 Series*


166, 168 Series*


129 Series*


800 Series*


12 RL, 23 RL, 24 RL Series*


107 Series*


188 Series


304 Series

*This glass kit may also be used in the following door styles: 6-panel; 6-panel with scroll; Eyebrow 6-panel; Eyebrow 6-panel with scroll.

[redacted]

Johnson Entry Systems

March 29, 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®
Masonite International Corporation

XX
Glazed Outswing Unit

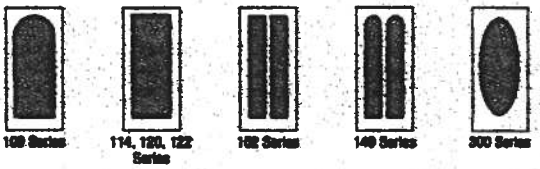
[redacted]

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:

FULL GLASS:



CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 18258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum 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

Johnson Entry Systems

March 29, 2002

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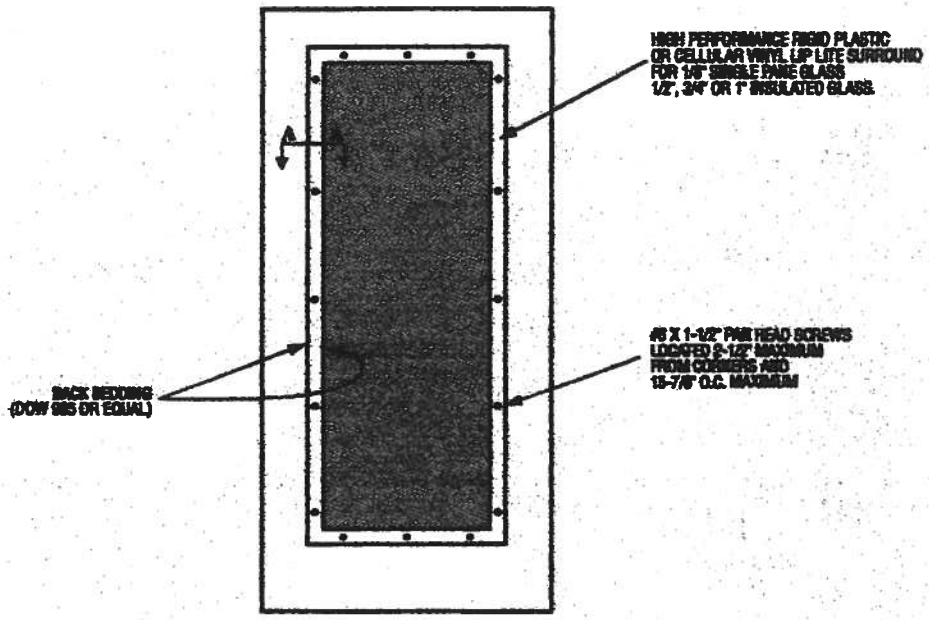
PREMDOR Premium Quality Doors

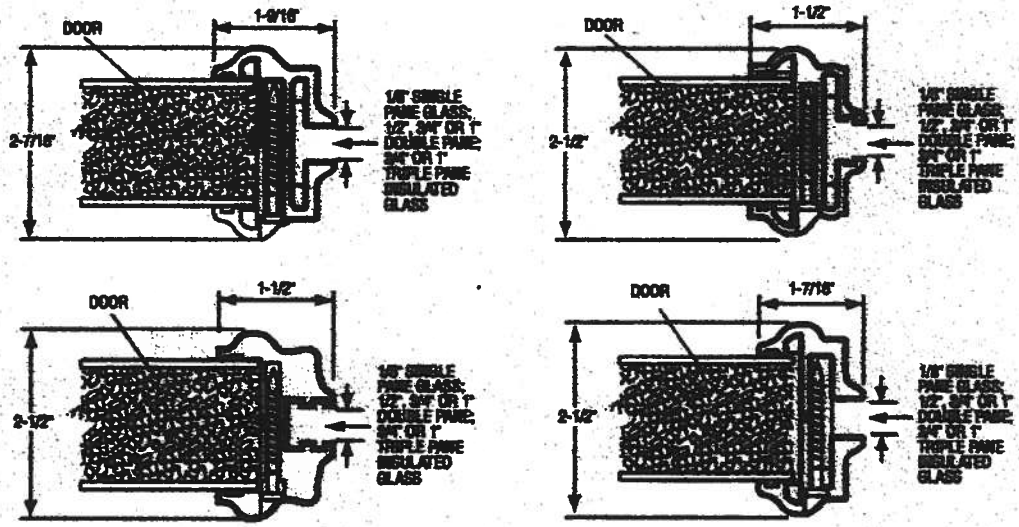
Exclusively from Masonite®

Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL

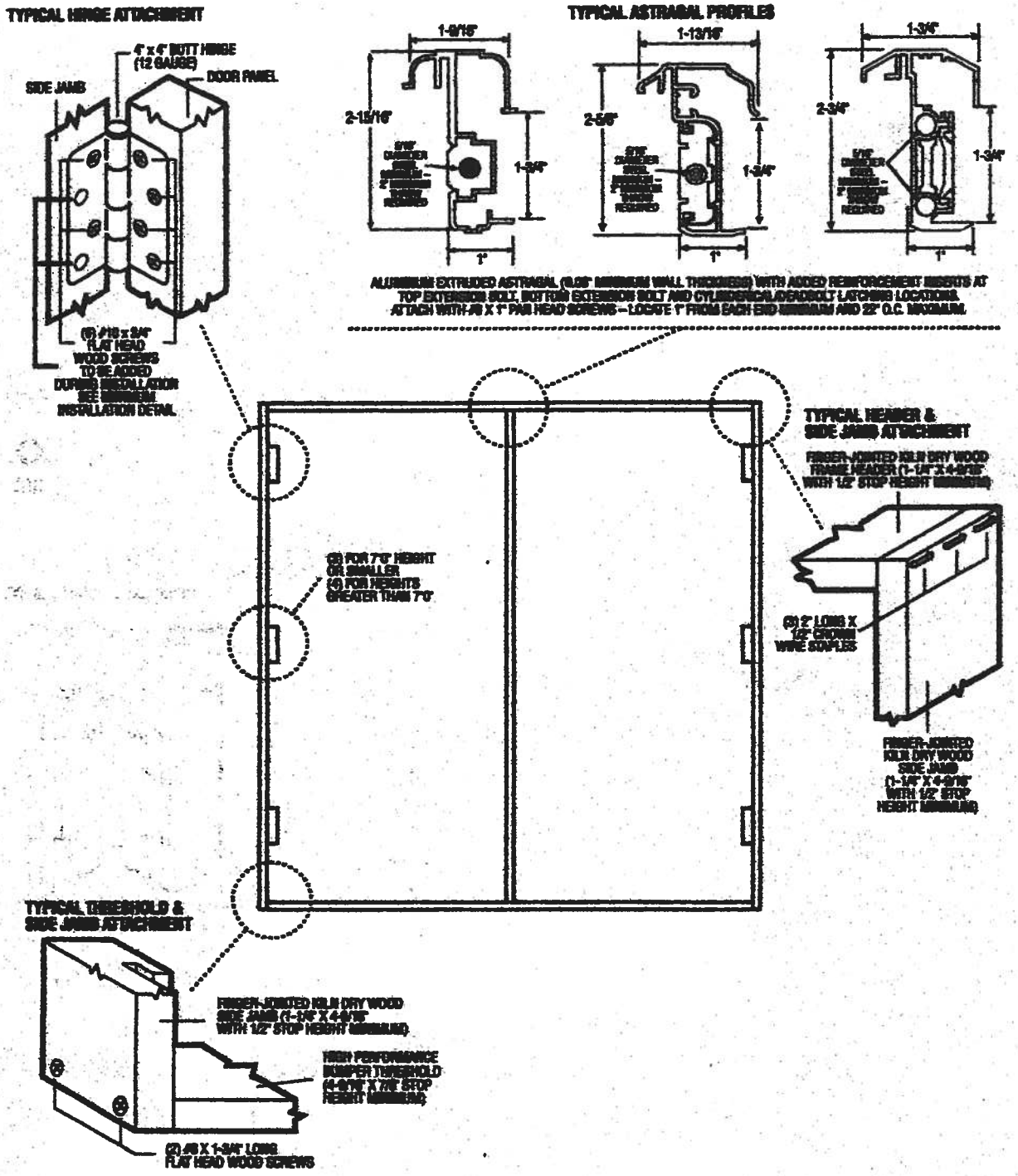


SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



XX
Unit

OUTSWING UNITS WITH DOUBLE DOOR



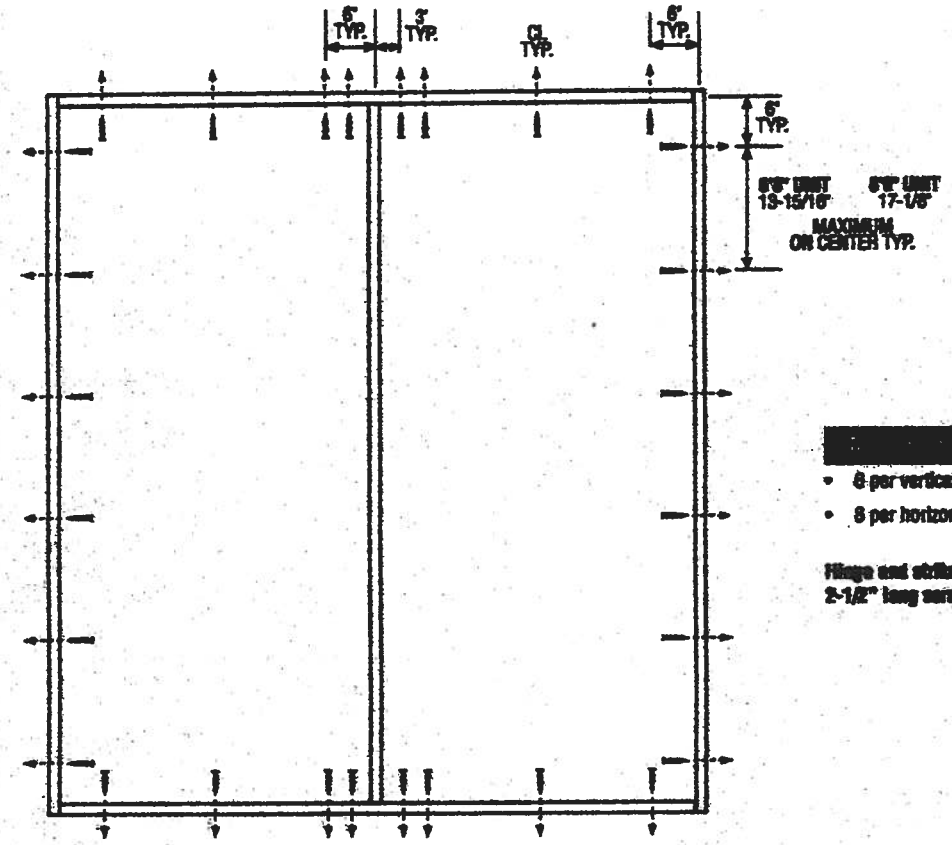
March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Exclusively from Masonite®
Masonite International Corporation

XX
Unit

[redacted]

DOUBLE DOOR



[redacted]

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

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

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
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.

[redacted]

March 29, 2002

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

TAMKO®
ROOFING PRODUCTS

FEB - 4 RECD

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

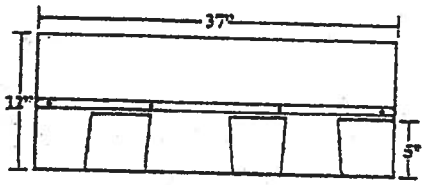
TAMKO Roofing Products, Inc.

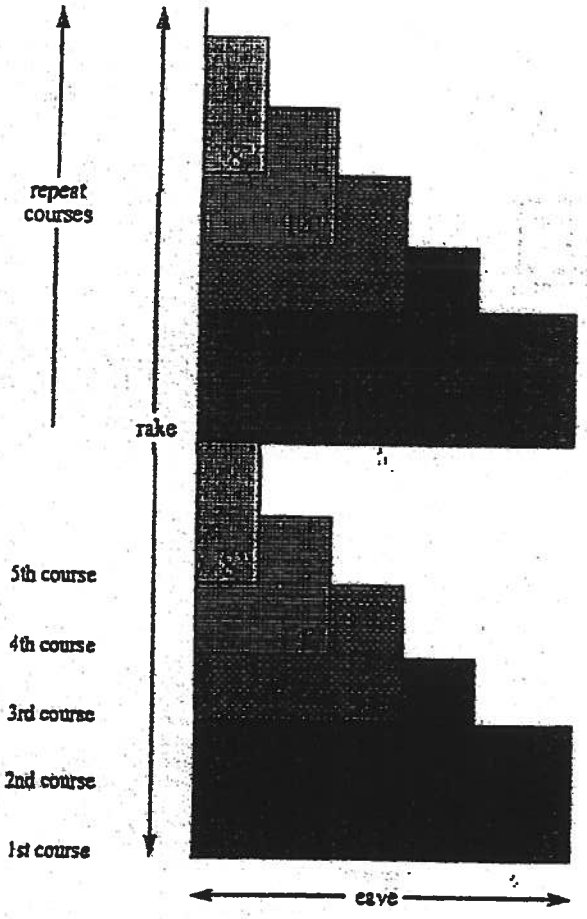
CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-641-1925

TAMKO
ROOFING PRODUCTS

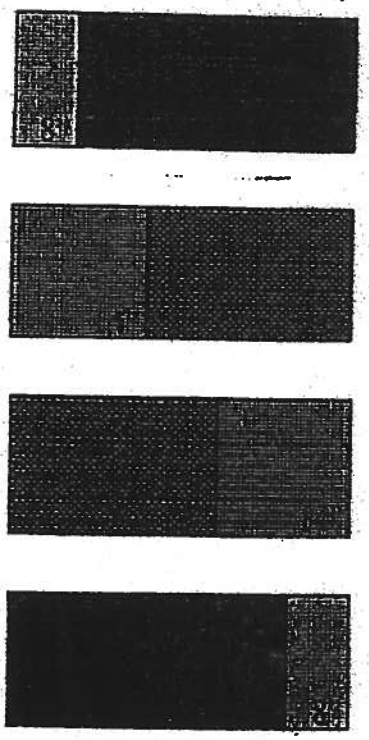
Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"





The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.

TAMKO®
ROOFING PRODUCTS

Application Instructions for

• Glass-Seal • Elite Glass-Seal®
• Glass-Seal AR • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.
THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.
IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.
FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

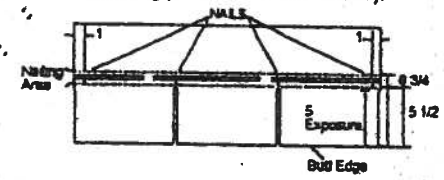
3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

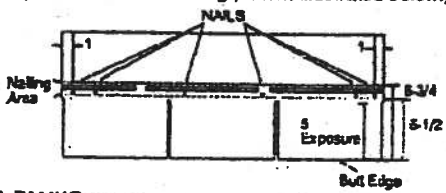
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below).



2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fastener per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

(CONTINUED from Pg. 2)

TAMKO ROOFING PRODUCTS

- Glass-Seal
- Glass-Seal AR
- Elite Glass-Seal®
- Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

3. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and refasten in a new location. Remove all drip edge metal and replace with new.

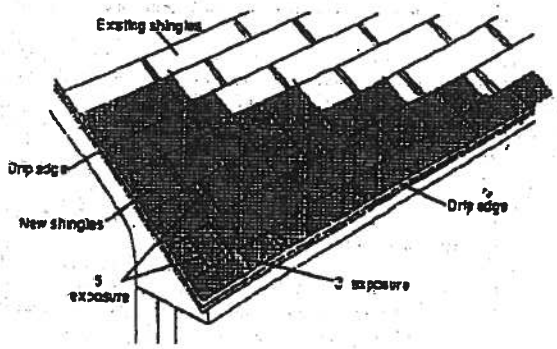
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nesting procedure described below is the preferred method for re-roofing over square tab strip shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.



8. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50 lb. roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

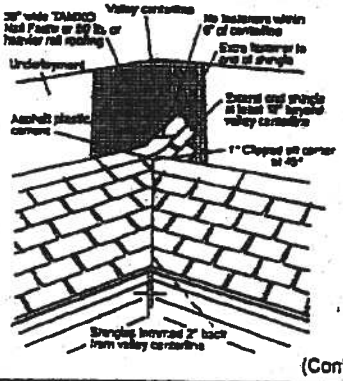
Note: For a neater installation, snap a chalkline over the shingles for guidance.

- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

- ***CAUTION:*** *Adhesive must be applied in smooth, thin, even layers.*

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.



(Continued)

(CONTINUED from Pg. 3)

TAMKO®
ROOFING PRODUCTS

• Glass-Seal • Elite Glass-Seal®
• Glass-Seal AR • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

10. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

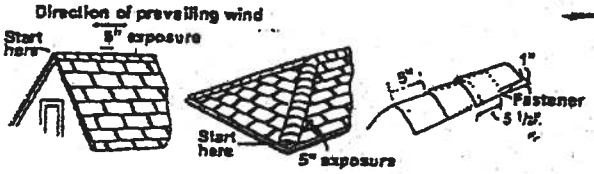
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

Florida Building Code Online

Building Code Information System

Overview | User Registration | Organization Registration | User Reference | Organization Search | Organization Accreditation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Cancel Search

Result List for Organizations

Displaying 1-1 of 1

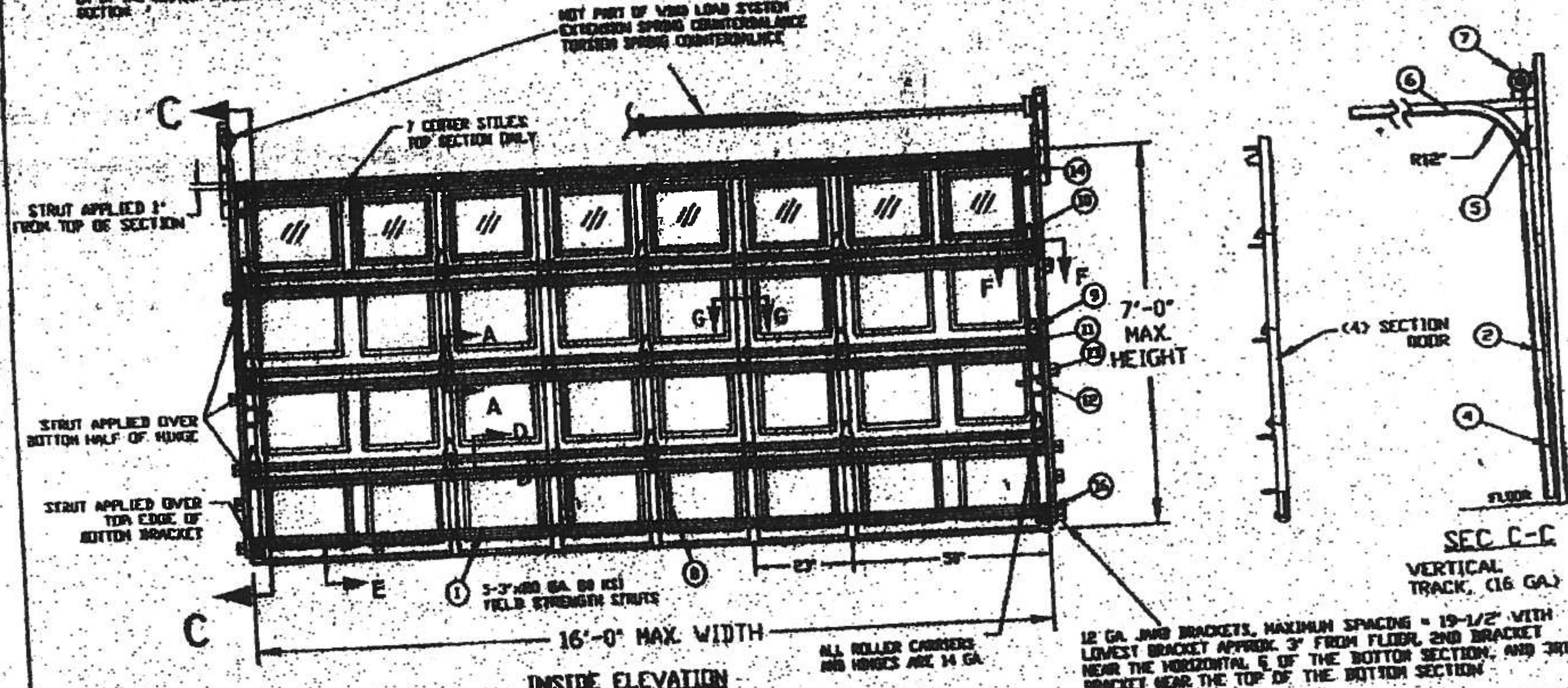
Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	[illegible]	Product Manufacturer	01/01/2099	Approved
Org Code: PDM System ID: 3585			Site Link: [illegible]			

Displaying 1-1 of 1

REV.	DATE	BY	DESCRIPTION
A	11-10-00	DW	SEE E.C.N. 831

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURE PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21".
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MAXIMUM LENGTH OF ROLLER STEM IS 5/8" (2" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR 2 AS TESTED.
9. (A) DROP IN TYPE OF INSULATION IS OPTIONAL.



INSIDE ELEVATION

NORTH CAROLINA PROFESSIONAL SEAL PE No. 024280 ENGINEER ... R. YVAN

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s), dimensions and installation(s) of the door as tested.

LISTED
REPORT No. 2202

TEST REPORTS ON FILE VIDEO 10/19/00 G00930

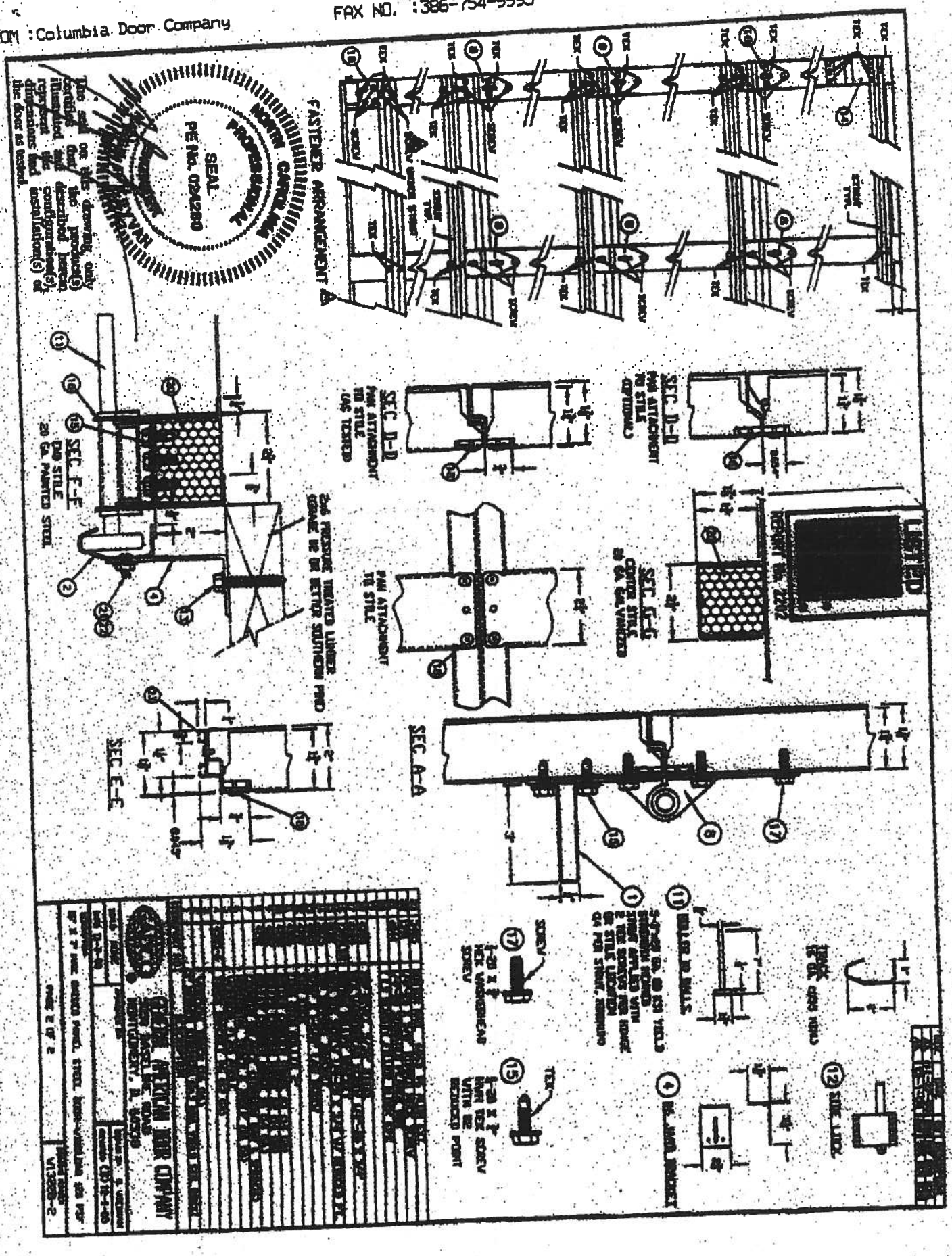
GADCO DOORS
SERIES 7400, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7025, EXTERIOR STEEL =.019" MIN (A)
SERIES 2324, EXTERIOR STEEL =.024" MIN (A)
(TESTED) WITH WINDOWS

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	STRUTS 80 KSI QTY.	VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.

DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

GENERAL AMERICAN DOOR COMPANY
3050 BASELINE ROAD
MONTGOMERY, IL 60538

DRAWN BY: D. WIEMAN
APPROVED BY:
SCALE: NTS
DATE: 10-20-00
REVISED (A) 11-20-00
DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR -WINDLOAD ±20 PSF
PAGE 1 OF 2
DRAWING NUMBER: W13220-1


FASTENER ARRANGEMENT A
SEC A-A
SEC B-B
SEC C-C
SEC D-D
SEC E-E
SEC F-F
SEC G-G
SEAL
PE No. 024280
NORTH CAROLINA
PROFESSIONAL
LISTED
COLUMBIA DOOR COMPANY

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.

2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSTD 10," CURRENT EDITION.

3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.

4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.

5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI; GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI; REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 8-3/4".

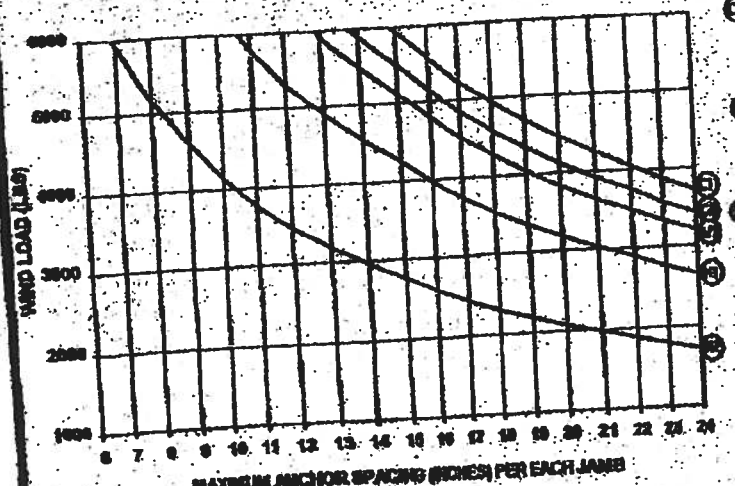
8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 16' X 8' AT A MINIMUM 42 PSF DESIGN WIND LOAD.

11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

WIND LOAD vs ANCHOR SPACING

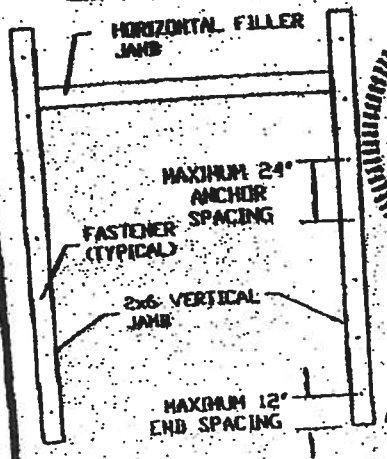


DESIGN LOAD (LBS/FT²) X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

EXAMPLE

30 LBS/FT² X 08 FT WIDE X 8 FT HIGH = 3840 LBS

(1) USE 22" SPACING (4) USE 16" SPACING
(2) USE 21" SPACING (5) USE 10" SPACING
(3) USE 19" SPACING SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



GENERAL AMERICAN DOOR COMPANY
3800 BASELINE ROAD
MONTGOMERY, IL 60538

DRAWN BY: MRK	APPROVED BY:	DIV.
DATE: 8-30-99		NUMBER
DESCRIPTION: JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS		
	SIZE: A	DRAWING NUMBER

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 25-4S-16-03170-001 **Building permit No.** 000024043

Use Classification SFD/UTILITY **Fire:** 5.92

Permit Holder MATTHEW ERKINGER **Waste:** 12.25

Owner of Building ERKINGER PROPERTIES,INC. **Total:** 18.17

Location: 430 SW STEWAT LOOP(PLANTATION EST., LOT 6)

Date: 09/13/2006

Harry Dicks by GT

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)