

Lot 12

Columbia County Building Permit Application

For Office Use Only Application # 0708-28 Date Received 8/4 By JW Permit # 1452/26281
Application Approved by - Zoning Official BLK Date 08.08.07 Plans Examiner AK JTH Date 9-14-07
Flood Zone X Pplnt Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Dec
Comments 1st Floor to be 1 ft above Rd.
NOC EH Deed or PA Site Plan State Road Info Parent Parcel # Development Permit

Name Authorized Person Signing Permit Linda or Melanie Roder Phone 752-2281
Address 387 Sw Kemp Ct Lake City FL 32024
Owners Name Prudential Builders Inc. Phone 755-1200 or 755-9000
911 Address 325 Sw Newlywed Ct Lake City FL 32024
Contractors Name Justin Fitzhugh Phone 755-1200 or 755-9000 961-9400
Address POB 3333 Lake City FL 32056
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Will Myers / Nick Geisler
Mortgage Lenders Name & Address Columbia Bank

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 14-45-16-02973-12 Estimated Cost of Construction 50,000
Subdivision Name Huntington Place Lot 12 Block Unit Phase 1
Driving Directions Highway 90 West, Turn L on Sisters welcome Rd, R on Hope Henry, R on Happy Terrace, L on Newlywed Ct, to end, lot is 7th down on R
Type of Construction SPD Number of Existing Dwellings on Property 0
Total Acreage .510 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing Driv
Actual Distance of Structure from Property Lines - Front 52' Side 13'2" Side 11'11" Rear 15'4"
Total Building Height 21'-11" Number of Stories 1 Heated Floor Area 1437 Roof Pitch 8-12
TOTAL 2077

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 COMMENCEMENT 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 Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA



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

Sworn to (or affirmed) and subscribed before me
this 20 day of

Personally known or Produced Identification

Contractor Signature
Contractors License Number CRC 13284
Competency Card Number
NOTARY STAMP/SEAL

Justin R. Roder
Notary Signature (Revised Sept. 2006)

0703-20

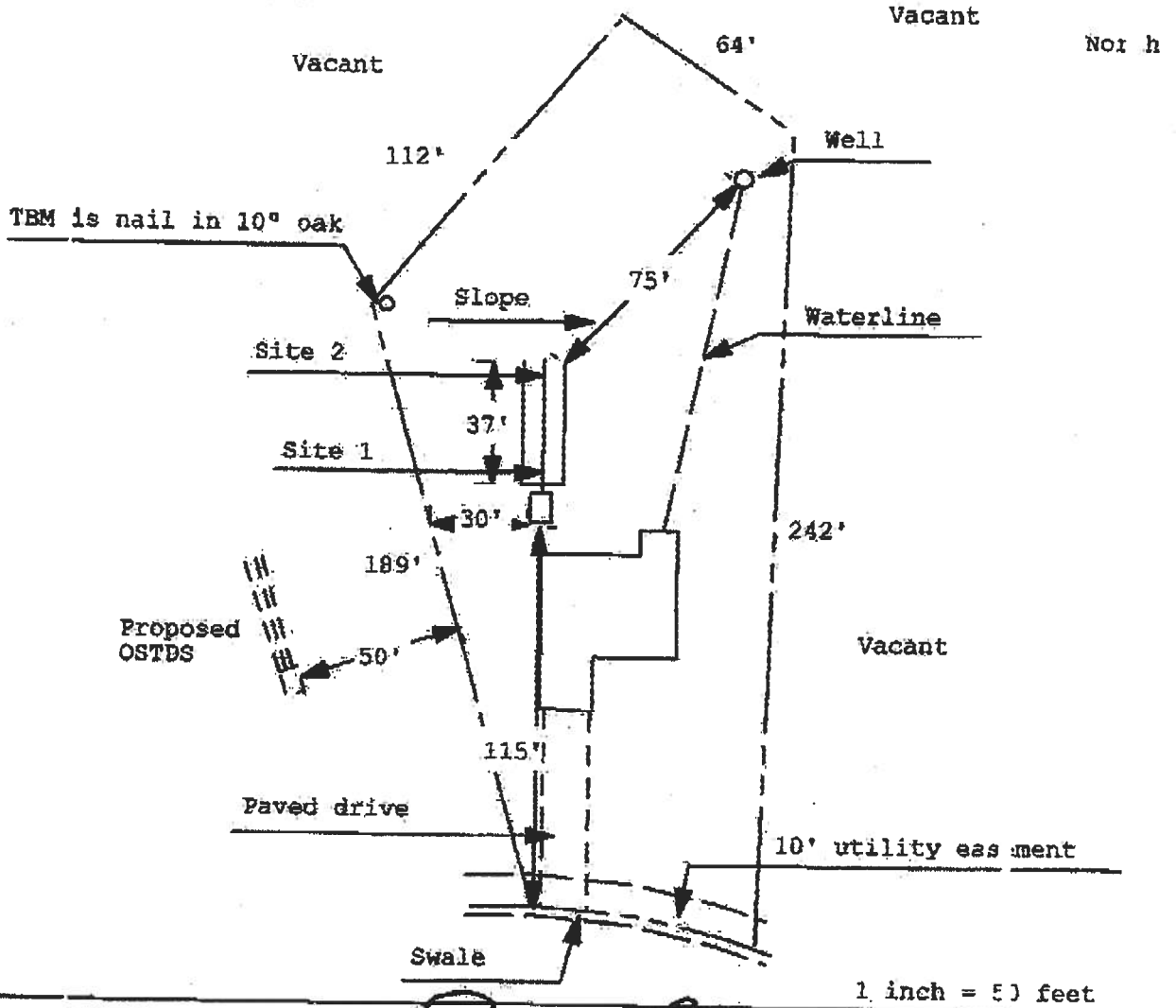
Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 07-0607

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PRUDENTIAL BLDRS/CR 06-4060

Hunnington Place 1, Lot 12



Site Plan Submitted By [Signature] Date 7/18/27
 Plan Approved [Signature] Not Approved [Signature] 8/6/27
 By [Signature] **APPROVED** **Columbia CHD** CPHJ

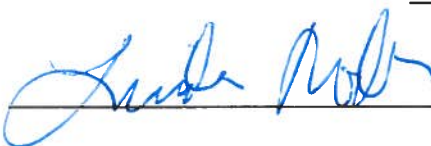
Notes: _____

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000001457**

DATE 09/27/2007 PARCEL ID # 14-4S-16-02973-112
APPLICANT LINDA RODER PHONE 752-2281
ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024
OWNER PRUDENTIAL BUILDERS PHONE 755-1200
ADDRESS 325 SW NEWLYWED COURT LAKE CITY FL 32024
CONTRACTOR JUSTIN FITZHUGH PHONE 755-1200
LOCATION OF PROPERTY 90W. TL ON SISTERS WELCOME RD. TR ON HOPE HENRY, TR ON HAPPY
TERR. TL ON NEWLYWED COURT, 7TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HUNNINGTON PLACE 12

SIGNATURE 

INSTALLATION REQUIREMENTS

Culvert size will be 18 inches in diameter with a total length 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



THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 07-168
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

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

Property Appraiser's
Parcel Identification No. R02973-107-112

Inst:200712014520 Date:6/29/2007 Time:12:57 PM
Doc Stamp-Deed:1575.00

DC, P. DeWitt Cason, Columbia County Page of 2

WARRANTY DEED

THIS INDENTURE, made this 28th day of June, 2007, between BULLARD-DENUNE INVESTMENT CO., a corporation existing under the laws of the State of Florida, whose post office address is: Post Office Box 1733, Lake City, FL 32056-1733 and having its principal place of business in the County of Columbia, State of Florida, party of the first part, and PRUDENTIAL BUILDERS, INC., A Florida Corporation, whose post office address is: Post Office Box 3333, Lake City, FL 32056-3333, of the State of Florida, party of the second part,

WITNESSETH: that the said party of the first part, for and in consideration of the sum of Ten Dollars (\$10.00), to it in hand paid, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, remised, released, conveyed and confirmed, and by these presents doth grant, bargain, sell, alien, remise, release, convey and confirm unto the said party of the second part, their heirs and assigns forever, all that certain parcel of land lying and being in the County of Columbia and State of Florida, more particularly described as follows:

Lots 7 through 12, Huntington Place, Phase 1, a subdivision according to the plat thereof as recorded in Plat Book 8, Pages 122 and 123 of the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

TOGETHER with all the tenements, hereditaments and appurtenances, with every privilege, right, title, interest and estate, reversion, remainder and easement thereto belong or in anywise appertaining:

TO HAVE AND TO HOLD the same in fee simple forever.

And the said party of the first part doth covenant with said

party of the second part that it is lawfully seized of said premises; that they are free of all encumbrances, and that it has good right and lawful authority to sell the same; and the said party of the first part 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 party of the first part has caused these presents to be signed in its name by its Vice President, the day and year above written.

Signed, sealed and delivered
in our presence:


Witness: Terry McDavid


Witness: Crystal L. Brunner

BULLARD-DENUNE INVESTMENT CO.

By: 
CHRIS A. BULLARD,
Vice President

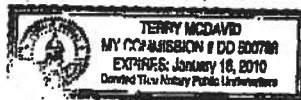


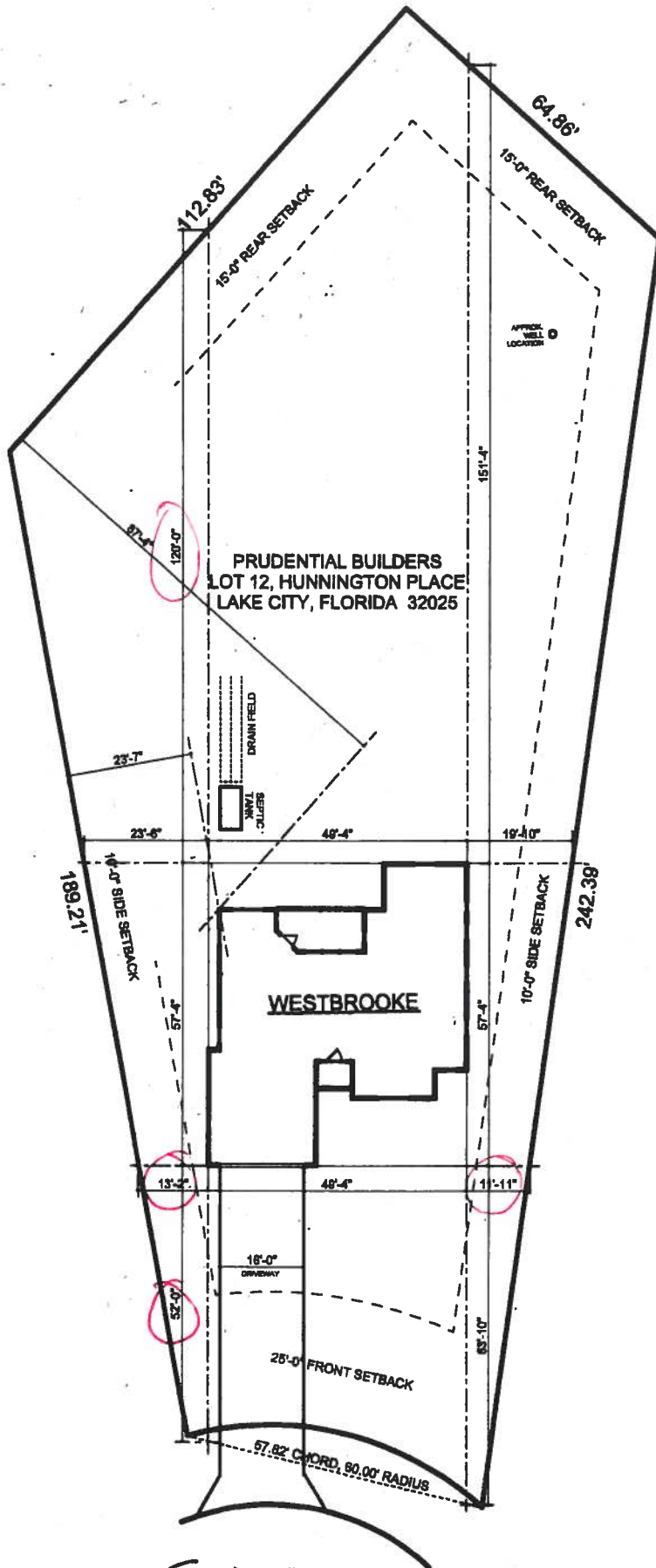
STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 28th day of June, 2006, by CHRIS A. BULLARD, as Vice President of BULLARD-DENUNE INVESTMENT CO., a State of Florida corporation, on behalf of the corporation. He is personally known to me and did not take an oath.

(Seal)


Notary Public
My Commission Expires: 1-18-2010





SW Newly wed Court

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	Prudential Builders - Westbrooke	Builder:	Prudential Builders
Address:	Lot: 12, Sub: Hunnington S/D, Plat:	Permitting Office:	<i>Columbia</i>
City, State:	Lake City, FL 32025-	Permit Number:	<i>26281</i>
Owner:	Spec House	Jurisdiction Number:	<i>221008</i>
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 39.0 kBtu/hr SEER: 13.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	3	c. N/A	
5. Is this a worst case?	No	13. Heating systems	
6. Conditioned floor area (ft²)	1437 ft²	a. Electric Heat Pump	Cap: 39.0 kBtu/hr HSPF: 7.70
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT)	7a(Sngle Default) 254.3 ft²	14. Hot water systems	
b. SHGC:		a. Electric Resistance	Cap: 50.0 gallons EF: 0.90
(or Clear or Tint DEFAULT)	7b. (Clear) 254.3 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=5.0, 208.0(p) ft	15. HVAC credits	PT, _____
b. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
c. N/A		HF-Whole house fan,	
9. Wall types		PT-Programmable Thermostat,	
a. Frame, Wood, Exterior	R=13.0, 1465.7 ft²	MZ-C-Multizone cooling,	
b. Frame, Wood, Adjacent	R=13.0, 162.0 ft²	MZ-H-Multizone heating)	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1600.0 ft²		
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 45.0 ft		
b. N/A			

Glass/Floor Area: 0.18 Total as-built points: 21483 **PASS**
 Total base points: 22100

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

PREPARED BY: *[Signature]*


DATE: 7-9-07

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

OWNER/AGENT: *[Signature]*

DATE: 7-16-07

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.
 EnergyGauge® (Version: FLRCPB v4.5.2)

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 12, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1437.0	18.59	4808.0	1.Single, Clear	W	1.5	9.0	30.0	43.84	0.97	1276.0
				2.Single, Clear	NW	8.5	10.0	20.0	29.42	0.67	391.0
				3.Single, Clear	W	9.5	10.0	54.0	43.84	0.54	1283.0
				4.Single, Clear	S	7.0	10.0	12.0	40.81	0.58	283.0
				5.Single, Clear	W	1.5	9.0	16.0	43.84	0.97	680.0
				6.Single, Clear	N	1.5	9.0	6.0	21.73	0.98	127.0
				7.Single, Clear	N	1.5	9.0	45.0	21.73	0.98	953.0
				8.Single, Clear	E	1.5	9.0	4.0	47.92	0.97	185.0
				9.Single, Clear	E	1.5	9.0	30.0	47.92	0.97	1394.0
				10.Single, Clear	E	6.5	10.0	13.3	47.92	0.64	408.0
				11.Single, Clear	S	1.5	9.0	9.0	40.81	0.94	346.0
				12.Single, Clear	S	1.5	9.0	15.0	40.81	0.94	577.0
				As-Built Total:				254.3	7903.0		
WALL TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM = Points			
Adjacent	162.0	0.70	113.4	1. Frame, Wood, Exterior		13.0	1465.7	1.50		2198.5	
Exterior	1465.7	1.70	2491.7	2. Frame, Wood, Adjacent		13.0	162.0	0.60		97.2	
Base Total:	1627.7		2605.1	As-Built Total:			1627.7			2295.7	
DOOR TYPES				Area X BSPM = Points		Type	Area X SPM = Points				
Adjacent	18.0	2.40	43.2	1.Exterior Insulated			20.0	4.10		82.0	
Exterior	20.0	6.10	122.0	2.Adjacent Insulated			18.0	1.60		28.8	
Base Total:	38.0		165.2	As-Built Total:			38.0			110.8	
CEILING TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM X SCM = Points			
Under Attic	1437.0	1.73	2486.0	1. Under Attic		30.0	1600.0	1.73 X 1.00		2768.0	
Base Total:	1437.0		2486.0	As-Built Total:			1600.0			2768.0	
FLOOR TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM = Points			
Slab	208.0(p)	-37.0	-7696.0	1. Slab-On-Grade Edge Insulation		5.0	208.0(p)	-36.20		-7529.6	
Raised	0.0	0.00	0.0								
Base Total:			-7696.0	As-Built Total:			208.0			-7529.6	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 12, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025- PERMIT #:

BASE	AS-BUILT
INFILTRATION Area X BSPM = Points 1437.0 10.21 14671.8	Area X SPM = Points 1437.0 10.21 14671.8
Summer Base Points: 17040.1	Summer As-Built Points: 20219.7
Total Summer X System = Cooling Points Multiplier Points	Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)
17040.1 0.3250 5538.0	<small>(sys 1: Central Unit 39000btuh , SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6 0(INS)</small> 20220 1.00 (1.09 x 1.000 x 1.00) 0.260 0.950 5443.8 20219.7 1.00 1.090 0.260 0.950 5443.8

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 12, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	1437.0	20.17	5217.0	1.Single, Clear	W	1.5	9.0	30.0	28.84	1.01	872.0
				2.Single, Clear	NW	8.5	10.0	20.0	32.93	1.02	673.0
				3.Single, Clear	W	9.5	10.0	54.0	28.84	1.16	1808.0
				4.Single, Clear	S	7.0	10.0	12.0	20.24	2.15	521.0
				5.Single, Clear	W	1.5	9.0	16.0	28.84	1.01	465.0
				6.Single, Clear	N	1.5	9.0	6.0	33.22	1.00	199.0
				7.Single, Clear	N	1.5	9.0	45.0	33.22	1.00	1495.0
				8.Single, Clear	E	1.5	9.0	4.0	26.41	1.02	107.0
				9.Single, Clear	E	1.5	9.0	30.0	26.41	1.02	804.0
				10.Single, Clear	E	6.5	10.0	13.3	26.41	1.18	413.0
				11.Single, Clear	S	1.5	9.0	9.0	20.24	1.02	186.0
				12.Single, Clear	S	1.5	9.0	15.0	20.24	1.02	310.0
As-Built Total:								254.3	7853.0		
WALL TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Adjacent	162.0	3.60	583.2	1. Frame, Wood, Exterior		13.0	1465.7	3.40		4983.4	
Exterior	1465.7	3.70	5423.1	2. Frame, Wood, Adjacent		13.0	162.0	3.30		534.6	
Base Total:				1627.7	6006.3	As-Built Total:		1627.7	5518.0		
DOOR TYPES				Area X BWPM = Points		Type	Area X WPM = Points				
Adjacent	18.0	11.50	207.0	1.Exterior Insulated		20.0		8.40		168.0	
Exterior	20.0	12.30	246.0	2.Adjacent Insulated		18.0		8.00		144.0	
Base Total:				38.0	453.0	As-Built Total:		38.0	312.0		
CEILING TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM X WCM = Points			
Under Attic	1437.0	2.05	2945.8	1. Under Attic		30.0	1600.0	2.05 X 1.00		3280.0	
Base Total:				1437.0	2945.8	As-Built Total:		1600.0	3280.0		
FLOOR TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Slab	208.0(p)	8.9	1851.2	1. Slab-On-Grade Edge Insulation		5.0	208.0(p)	7.60		1580.8	
Raised	0.0	0.00	0.0								
Base Total:				1851.2	As-Built Total:		208.0	1580.8			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 12, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025- PERMIT #:

BASE			AS-BUILT						
INFILTRATION	Area X BWPM = Points		Area X WPM = Points						
1437.0	-0.59	-847.8	1437.0	-0.59	-847.8				
Winter Base Points:		15625.5	Winter As-Built Points:			17696.0			
Total Winter X Points	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	
15625.5	0.5540	8656.5	17696.0	1.00	1.069	0.443	0.950	7958.6	

(sys 1: Electric Heat Pump 39000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 12, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025- PERMIT #:

BASE				AS-BUILT										
WATER HEATING				Tank	EF	Number of	X	Tank	X	Multiplier	X	Credit	=	Total
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio				Multiplier		
Bedrooms														
3		2635.00	7905.0	50.0	0.90	3		1.00		2693.56		1.00		8080.7
													As-Built Total:	8080.7

CODE COMPLIANCE STATUS													
BASE					AS-BUILT								
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating	+	Hot Water	=	Total
Points		Points		Points		Points	Points		Points		Points		Points
5538		8657		7905		22100	5444		7959		8081		21483

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 12, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025-

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 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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.0

The higher the score, the more efficient the home.

Spec House, Lot: 12, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 39.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1437 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area	___	a. Electric Heat Pump	Cap: 39.0 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 254.3 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 254.3 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=5.0, 208.0(p) ft	___	a. Electric Resistance	Cap: 50.0 gallons
b. N/A	___	___		EF: 0.90
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Exterior	R=13.0, 1465.7 ft ²	___	(HR-Heat recovery, Solar	___
b. Frame, Wood, Adjacent	R=13.0, 162.0 ft ²	___	DHP-Dedicated heat pump)	___
c. N/A	___	___	15. HVAC credits	PT, ___
d. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
e. N/A	___	___	HF-Whole house fan,	___
10. Ceiling types		___	PT-Programmable Thermostat,	___
a. Under Attic	R=30.0, 1600.0 ft ²	___	MZ-C-Multizone cooling,	___
b. N/A	___	___	MZ-H-Multizone heating)	___
c. N/A	___	___		___
11. Ducts(Leak Free)		___		___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 45.0 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. EnergyGauge® (Version: FLRCPB v4.5.2)

Energy Code Compliance

Duct System Performance Report

Project Name:	Prudential Builders - Westbrooke	Builder:	Prudential Builders
Address:		Permitting Office:	
City, State:	Lake City, FL 32025-	Permit Number:	
Owner:	Spec House	Jurisdiction Number:	
Climate Zone:	North		


Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) <input type="checkbox"/> Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) <input type="checkbox"/> Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____
 Printed Name: _____
 Florida Rater Certification #: _____
 DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____
DATE: _____

FROM :

FAX NO. : 386-755-7022

Sep. 17 2002 01:5 PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4'-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE 904 782-1111
FAX (386) 785-7022
904 NW Main Blvd
LAKE CITY, FLORIDA 32056

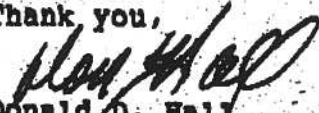
June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,


Donald D. Hall
DDH/jk



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

(Justin Fitzhugh) Lot 12 325 SW Newlywed Ct Lake City, Fl (Prudential Builders)

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.

Michelle Fischer
Authorized Signature

7-30-07
Date

FLORIDA DEPARTMENT OF Community Affairs

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- ▶ EMERGENCY MANAGEMENT
- ▶ OFFICE OF THE SECRETARY

FL # **FL1956-R1**
Application Type **Revision**
Code Version **2004**
Application Status **Approved**
Comments
Archived

Product Manufacturer **TAMKO Building Products, Inc.**
Address/Phone/Email **PO Box 1404
Joplin, MO 64802
(800) 641-4691 ext 2394
fred_oconnor@tamko.com**

Authorized Signature **Frederick O'Connor**
fred_oconnor@tamko.com

Technical Representative **Frederick J. O'Connor**
fred_oconnor@tamko.com
Joplin, MO 64802
(800) 641-4691
fred_oconnor@tamko.com



Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Roofing
Asphalt Shingles

Compliance Method

Certification Mark or Listing

Certification Agency

Underwriters Laboratories Inc.

Referenced Standard and Year (of Standard)

Standard
ASTM D 3462

Year
2001

Equivalence of Product Standards
Certified By

Product Approval Method

Method 1 Option A

Date Submitted
Date Validated
Date Pending FBC Approval
Date Approved

06/09/2005
06/20/2005
06/25/2005
06/29/2005

Summary of Products

FL #	Model, Number or Name	Description
------	-----------------------	-------------

slopes of 2:12 or greater. Not approved for use in HVHZ.

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DCA Administration
Department of Community Affairs
Florida Building Code Online
Codes and Standards

2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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Product Approval Accepts:





**Underwriters
Laboratories Inc.**

Northbrook Station
333 Pfingsten Road
Northbrook, IL 60062 USA
www.ul.com
Tel: 1 847 272 6000

June 17, 2005

Tanko Roofing Products
Ms. Kerri Eden
P.O. Box 1404
220 W. 4th Street
Joplin, MO 64802-1404

Our Reference: R2919

This is to confirm that "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage 50 AR", "Glass-Seal AR" manufactured at Tuscaloosa, AL and "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage XL AR", "Heritage 50 AR" manufactured at Frederick, MD and "Heritage 30 AR", "Heritage XL AR", and "Heritage 50 AR" manufactured in Dallas, TX are UL Listed asphalt glass mat shingles and have been evaluated in accordance with ANSI/UL 790, Class A (ASTM E108), ASTM D3462, ASTM D3161 or UL 997 modified to 110 mph when secured with four nails.

Let me know if you have any further questions.

Very truly yours,

Alpesh Patel (Ext. 42522)
Engineer Project
Fire Protection Division

Reviewed by,

Randall K. Laymon (Ext. 42687)
Engineer Sr Staff
Fire Protection Division



Application Instructions for HERITAGE® VINTAGE™ AR – Phillipsburg, KS LAMINATED ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING 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.

TAMKO does not recommend re-roofing over existing roof.

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.

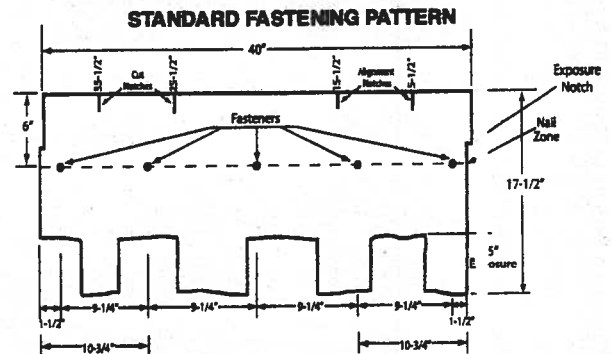
3. FASTENERS

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, this will result in the termination of TAMKO's liabilities under the limited warranty. TAMKO will not be responsible for damage to shingles caused by winds in excess of the applicable miles per hour as stated in the limited warranty. See limited warranty for details.

FASTENING PATTERNS: Fasteners must be placed 6 in. from the top edge of the shingle located horizontally as follows:

1) **Standard Fastening Pattern.** (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1-1/2 in. back from each end, one 10-3/4 in. back from each end and one 20 in. from one end of the shingle for a total of 5 fasteners. (See standard fastening pattern illustrated below).



2) **Mansard or Steep Slope Fastening Pattern.** (For use on decks with slopes greater than 21 in. per foot.) Use standard fastening instructions with four additional nails placed 6 in. from the butt edge of the shingle making certain nails are covered by the next (successive) course of shingles.

(Continued)

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Central District	220 West 4th St., Joplin, MO 64801	800-641-4891
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Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
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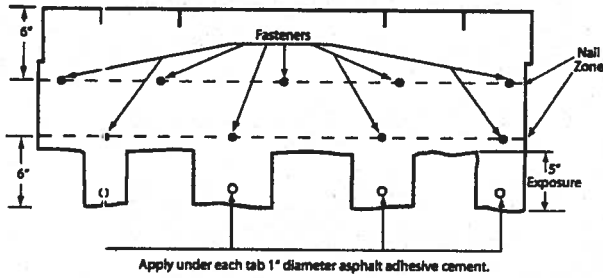


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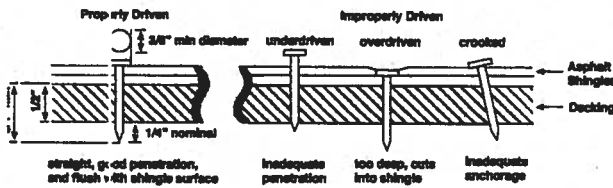
HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

Each shingle tab must be sealed underneath with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a \$.25 piece and applied to shingles with a 5 in. exposure, use 9 fasteners per shingle.

MANSARD FASTENING PATTERN



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. into the roof deck. Where the deck is less than 3/4 in. thick, the nails should be long enough to penetrate completely through plywood decking and extend at least 1/8 in. through the roof deck. Drive nail head flush with the shingle surface.



4. UNDERLAYMENT

UNDERLAYMENT: An underlayment consisting of asphalt saturated felt must be applied over the entire deck before the installation of TAMKO shingles. Failure to add underlayment can cause premature failure of the shingles and leaks which are not covered by TAMKO's limited warranty. Apply the felt when the deck is dry. On roof decks 4 in. per foot and greater apply the felt parallel to the eaves lapping each course of the felt over the lower course at least 2 in. Where ends join, lap the felt 4 in. If left exposed, the underlayment felt may be adversely affected by moisture and weathering. Laying of the underlayment and the shingle application must be done together.

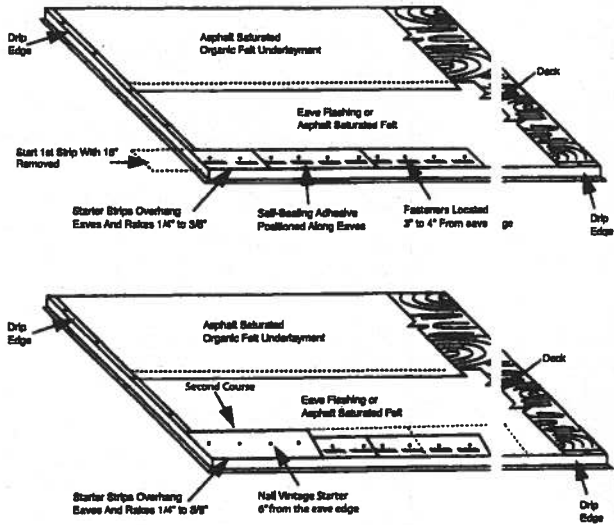
Products which are acceptable for use as underlayment are:

- TAMKO No. 15 Asphalt Saturated Organic Felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or ASTM D4869, Type I
- Any TAMKO non-perforated asphalt saturated organic felt
- TAMKO TW Metal and Tile Underlayment, TW Underlayment and Moisture Guard Plus® (additional ventilation maybe required. Contact TAMKO's technical services department for more information)

In areas where ice builds up along the eaves or a back-up of water from frozen or clogged gutters is a potential problem, TAMKO's Moisture Guard Plus® waterproofing underlayment (or any specialty eaves flashing product) may be applied to eaves, rakes, ridges, valleys, around chimneys, skylights or dormers to help prevent water damage. Contact TAMKO's Technical Services Department for more information. TAMKO does not recommend the use of any substitute products as shingle underlayment.

5. APPLICATION INSTRUCTIONS

STARTER COURSE: Two starter course layers must be applied prior to application of Heritage Vintage AR Shingle Starter, three tab self-sealing type shingles or a 9 inch wide strip of roll roofing. If three tab self-sealing shingles are used, remove the exposed tab portion and install with the factory applied adhesive adjacent to the eaves. If using three tab self-sealing shingle starter, remove 18 in. from first shingle to offset the end joints of the Vintage Starter. Attach the first starter course with approved fasteners along a line parallel to and 3 in. to 4 in. above the eave edge. The starter course should overhang both the eave and rake edge 1/4 in. to 3/8 in. Over the first starter course, install Heritage Vintage Starter AR and begin at the left rake edge with a full size shingle and continue across the roof nailing the Heritage Starter AR along a line parallel to and 6 in. from the eave edge.



Note: Do not allow Vintage Starter AR joints to be visible between shingle tabs. Cutting of the starter may be required

HERITAGE VINTAGE STARTER AR
 12 1/2" x 36" 20 PIECES PER BUNDLE
 60 LINEAL FT. PER BUNDLE

(Continued)

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Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8868

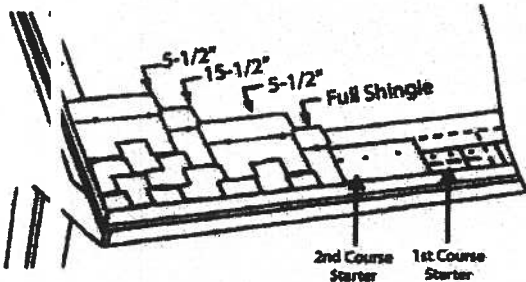




(CONTINUED from Pg. 2)

HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

SHINGLE APPLICATION: Start the first course at the left rake edge with a full size shingle and overhang the rake edge 1/4 in. to 3/8 in.. To begin the second course, align the right side of the shingle with the 5-1/2 in. alignment notch on the first course shingle making sure to align the exposure notch. (See shingle illustration on next page) Cut the appropriate amount from the rake edge so the overhang is 1/4" to 3/8". For the third course, align the shingle with the 15-1/2 in. alignment notch at the top of the second course shingle, again being sure to align the exposure notch. Cut the appropriate amount from the rake edge. To begin the fourth course, align the shingle with the 5-1/2 in. alignment notch from the third course shingle while aligning the exposure notch. Cut the appropriate amount from the rake edge. Continue up the rake in as many rows as necessary using the same formula as outlined above. Cut pieces may be used to complete courses at the right side. As you work across the roof, install full size shingles taking care to align the exposure notches. Shingle joints should be no closer than 4 in.



6. LOW SLOPE APPLICATION

On pitches 2 in. per foot to 4 in. per foot cover the deck with two layers of underlayment. Begin by applying the underlayment in a 19 in. wide strip along the eaves and overhanging the drip edge by 1/4 to 3/4 in. Place a full 36 in wide sheet over the 19 in. wide starter piece, completely overlapping it. All succeeding courses will be positioned to overlap the preceding course by 19 in. If winter temperatures average 25°F or less, thoroughly cement the laps of the entire underlayment to each other with plastic cement from eaves and rakes to a point of a least 24 in. inside the interior wall line of the building. As an alternative, TAMKO's Moisture Guard Plus self-adhering waterproofing underlayment may be used in lieu of the cemented felts.

7. VALLEY APPLICATION

TAMKO recommends an open valley construction with Heritage Vintage AR shingle.

To begin, center a sheet of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment in the valley.

After the underlayment has been secured, install the recommended corrosion resistant metal (26 gauge galvanized metal or an equivalent) in the valley. Secure the valley metal to the roof deck. Overlaps should be 12" and cemented.

Following valley metal application; a 9" to 12" wide strip of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment should be applied along the edges of the metal valley flashing (max. 6" onto metal valley flashing) and on top of the valley underlayment. The valley will be completed with shingle application.

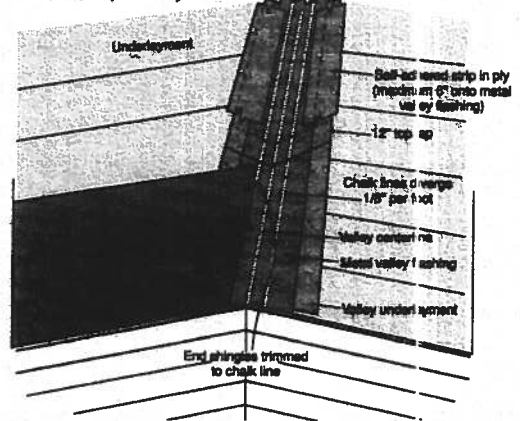
SHINGLE APPLICATION INSTRUCTIONS (OPEN VALLEY)

- Snap two chalk lines, one on each side of the valley centerline over the full length of the valley flashing. Locate the upper ends of the chalk lines 3" to either side of the valley centerline.
- The lower end should diverge from each other by 1/8" per foot. Thus, for an 8' long valley, the chalk lines should be 7" either side of the centerline at the eaves and for a 16' valley 8".

As shingles are applied toward the valley, trim the last shingle in each course to fit on the chalk line. Never use a shingle trimmed to less than 12" in length to finish a course running into a valley. If necessary, trim the adjacent shingle in the course to allow a longer portion to be used.

- Clip 1" from the upper corner of each shingle on a 45° angle to direct water into the valley and prevent it from penetrating between the courses.
- Form a tight seal by cementing the shingle to the valley lining with a 3" width of asphalt plastic cement (conforming to ASTM D 4586).

VINTAGE Open Valley Detail



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)

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05/06



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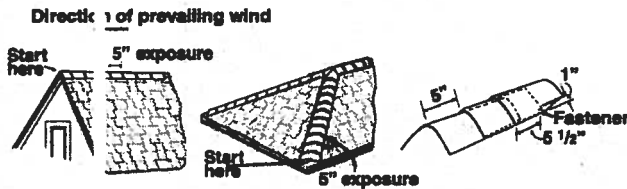
• **HERITAGE® VINTAGE™ AR** – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

8. 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 on each side, 5-1/2 in. back from the exposed end and 1 in. up from the edge. TAMKO recommends the use of TAMKO Heritage Vintage Hip & Ridge shingle products.

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

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



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

TAMKO®, Moisture Guard Plus®, Nail Fast® and Heritage® are registered trademarks and Vintage™ is a trademark of TAMKO Building Products, Inc.

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FL #	FL5108
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>

Product Manufacturer
Address/Phone/Email
 MI Windows and Doors
 650 W Market St
 Gratz, PA 17030
 (717) 365-3300 ext 2101
 surich@miwd.com

Authorized Signature
 Steven Ulrich
 surich@miwd.com

Technical Representative
 Address/Phone/Email

Quality Assurance Representative
 Address/Phone/Email

Window



(Director / Operator Administrator)



AAMA CERTIFICATION PROGRAM

AUTHORIZATION FOR PRODUCT CERTIFICATION

MI Windows & Doors, Inc.
P.O. Box 370
Gratz, PA 17030-0370

Attn: Bill Emley

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

1. The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION	RECORD OF PRODUCT TESTED				LABEL ORDER NO.
AAI ANNDMA 101/L.S. 2-87 H-RS3-3842					
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		
MI Windows & Doors, Inc. (Oldsmar, FL) MI Windows & Doors, Inc. (Smyrna, TN)	MTL-9 MTL-9	185/3165 SH (Fin) (AL)(ODD)(DG) (ASTM)	FRAME 30" x 52"	SASH 210" x 27"	By Request

2. This Certification will expire May 14, 2008 and requires validation until then by continued listing in the current AAMA Certified Products Directory.
3. Product Tested and Reported by: Architectural Testing, Inc.
Report No.: 01-50360.02
Date of Report: June 14, 2004

**NOTE: PLEASE REVIEW,
AND ADVISE ALL IMMEDIATELY
IF DATA, AS SHOWN, NEEDS
CORRECTION.**

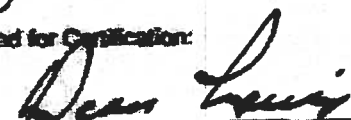
Date: At July 1, 2005

cc: AAMA
JGS/df
ACP-04 (Rev. 5/03)

Validated for Certification:

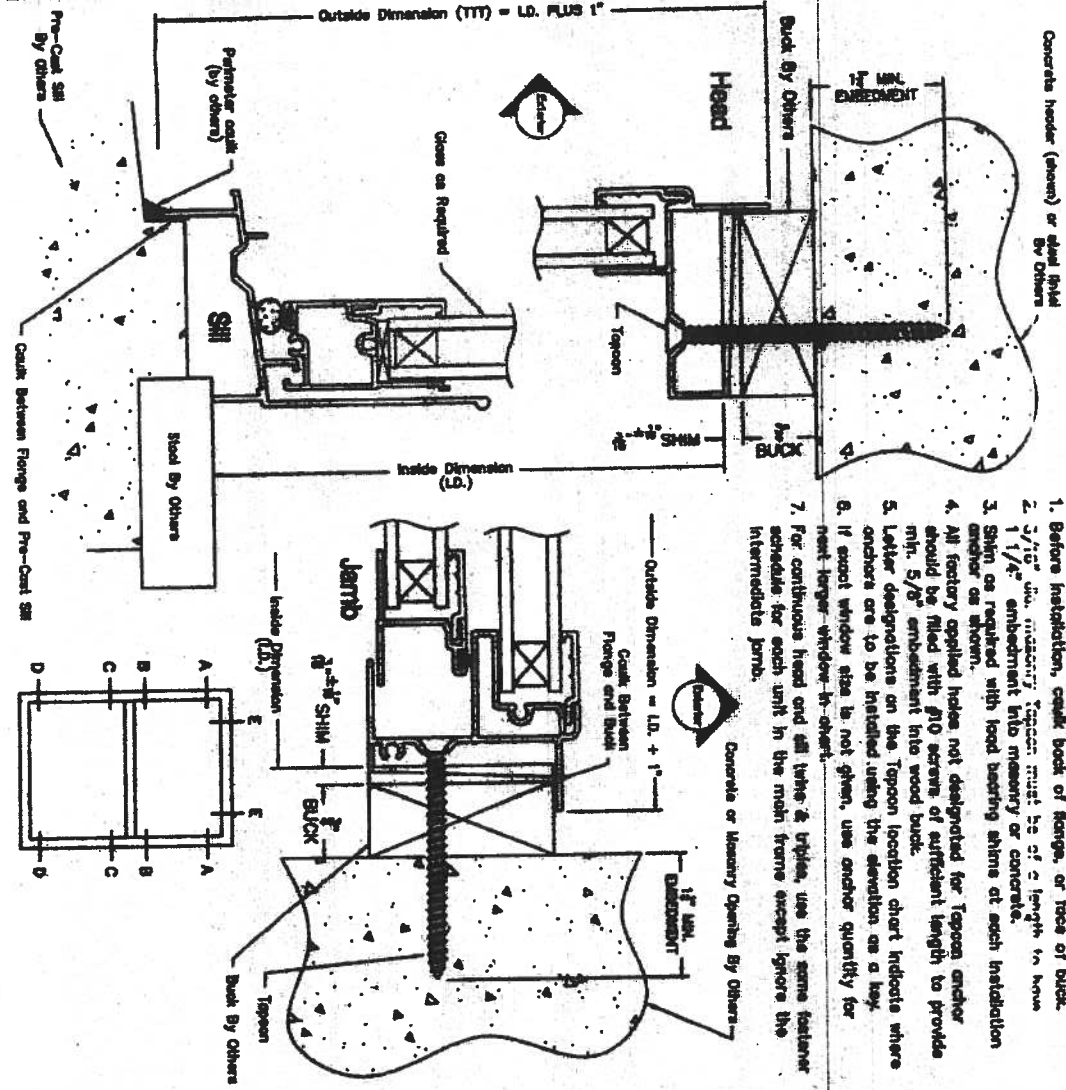

Associated Laboratories, Inc.

Authorized for Certification:


American Architectural Manufacturers Association

ONE BY (3/4) BUCKS (SHOWN)

1. Before installation, caulk back of frame, or face of buck.
2. 3/16" min. masonry Topcon must be of a length to have 1 1/4" embedment into masonry or concrete.
3. Shim as required with load bearing shims of each installation another as shown.
4. All factory applied holes not designated for Topcon anchor should be filled with #10 screws of sufficient length to provide min. 5/8" embedment into wood buck.
5. Letter designations on the Topcon location chart indicate where anchors are to be installed using the elevation as a key.
6. If exact window size is not given, use anchor quantity for next larger window in chart.
7. For continuous head and sill (like a triple), use the same fastener schedule for each unit in the main frame except ignore the intermediate joints.



*TAPCON TYPE HARDENED MASONRY SCREWS INCLUDE TAPCON, RAIL, & SIMPSON

TWO BY (1 1/2) BUCKS

TWO BY (1 1/2) bucks are engineered and fastened to the masonry opening BY OTHERS.

Follow the same instructions and fastener requirements for one by bucks except use #10 screws of sufficient length for 1 1/4" minimum embedment into buck.

*** TAPCON LOCATION CHART**

CODE SIZE	WINDOW ID SIZE	FASTENER LOCATIONS			
		DR TO DRHS	SHIM 1 TO DRHS	DRHS 1 TO DRHS 3	DRHS 1 TO DRHS 3
13	18 1/8 x 25 3/8	A	D	E	A
13	18 1/8 x 27 3/8	A	D	E	A
14	18 1/8 x 40 5/8	A	D	E	A
15	18 1/8 x 47 5/8	A	D	E	A
16	18 1/8 x 54 5/8	A	D	E	A
17	18 1/8 x 61 5/8	A	D	E	A
18	18 1/8 x 68 5/8	A	D	E	A
19	18 1/8 x 75 5/8	A	D	E	A
20	18 1/8 x 82 5/8	A	D	E	A
21	20 1/2 x 25 3/8	A	D	E	A
22	20 1/2 x 27 3/8	A	D	E	A
23	20 1/2 x 29 3/8	A	D	E	A
24	20 1/2 x 31 3/8	A	D	E	A
25	20 1/2 x 33 3/8	A	D	E	A
26	20 1/2 x 35 3/8	A	D	E	A
27	20 1/2 x 37 3/8	A	D	E	A
28	20 1/2 x 39 3/8	A	D	E	A
29	20 1/2 x 41 3/8	A	D	E	A
30	20 1/2 x 43 3/8	A	D	E	A
31	20 1/2 x 45 3/8	A	D	E	A
32	20 1/2 x 47 3/8	A	D	E	A
33	20 1/2 x 49 3/8	A	D	E	A
34	20 1/2 x 51 3/8	A	D	E	A
35	20 1/2 x 53 3/8	A	D	E	A
36	20 1/2 x 55 3/8	A	D	E	A
37	20 1/2 x 57 3/8	A	D	E	A
38	20 1/2 x 59 3/8	A	D	E	A
39	20 1/2 x 61 3/8	A	D	E	A
40	20 1/2 x 63 3/8	A	D	E	A
41	20 1/2 x 65 3/8	A	D	E	A
42	20 1/2 x 67 3/8	A	D	E	A
43	20 1/2 x 69 3/8	A	D	E	A
44	20 1/2 x 71 3/8	A	D	E	A
45	20 1/2 x 73 3/8	A	D	E	A
46	20 1/2 x 75 3/8	A	D	E	A
47	20 1/2 x 77 3/8	A	D	E	A
48	20 1/2 x 79 3/8	A	D	E	A
49	20 1/2 x 81 3/8	A	D	E	A
50	20 1/2 x 83 3/8	A	D	E	A
51	20 1/2 x 85 3/8	A	D	E	A
52	20 1/2 x 87 3/8	A	D	E	A
53	20 1/2 x 89 3/8	A	D	E	A
54	20 1/2 x 91 3/8	A	D	E	A
55	20 1/2 x 93 3/8	A	D	E	A



MI HOME PRODUCTS
GRATZ, PA

1/8" SHIMS SINGLE HING FLANGE FRAME
INSTALLATION DETAILS & FASTENER SCHEDULE

DNL 09/15/04

A	B	C	D	E
1	2	3	4	5

N.L.S. 1 OF 1

Florida Building Code Online



Building Code Information System

FLORIDA BUILDING CODE

- Overview
- User Registration
- Organization Registration
- User Application
- 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

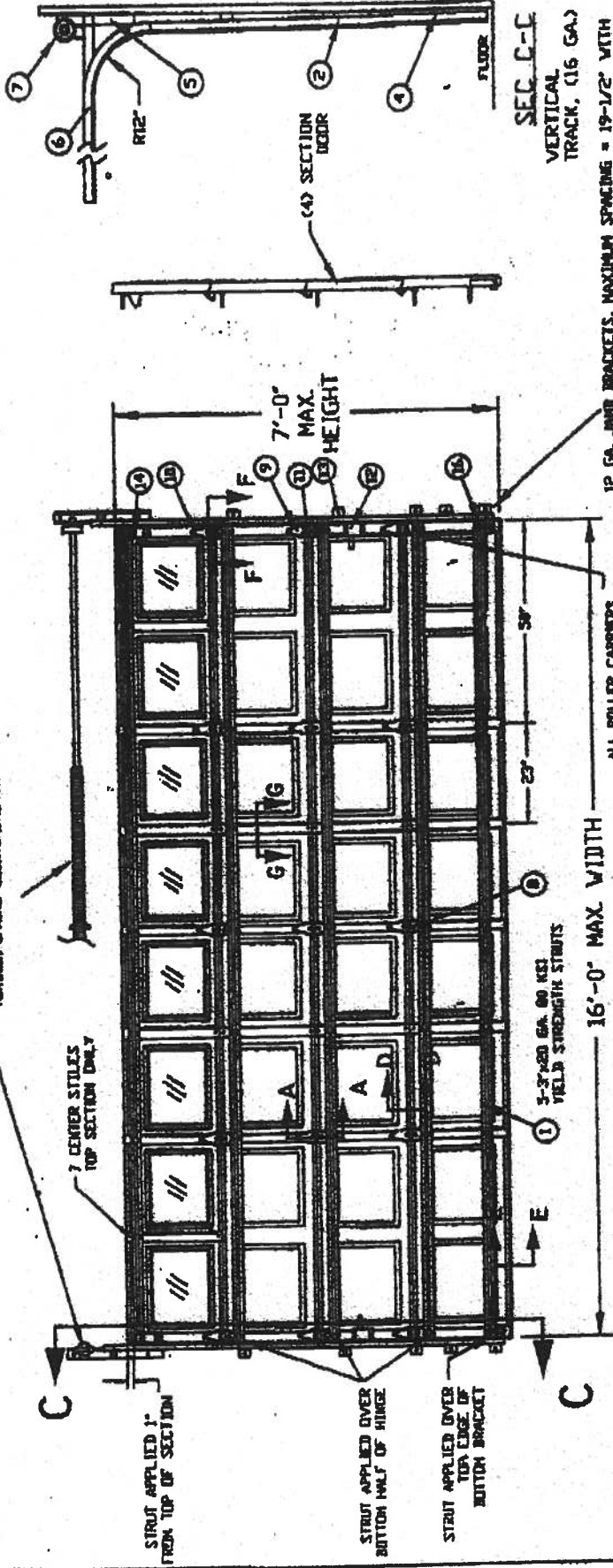
Name	City	Contact	Phone	Type	Expiry	Status
General American Door	Montgomery	James Campbell	6306593000	Product Manufacturer	01/01/2009	Approved

Displaying 1-1 of 1

Organization Name: General American Door - Product Manufacturer

- NOTES:**
1. TESTED TO POSITIVE AND NEGATIVE 20 PSF WINDS AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
 2. WINDOW SECTION HEIGHT = 21'
 3. SECTION HEIGHTS OF 21'0" AND 19'0" 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 1/4" BOB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
 5. MAXIMUM LENGTH OF ROLLER STICK IS 24" AS TESTED
 6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE MAIN DRAWING.
 7. STRUTS REQUIRED AT ALL LOCATIONS WITH TEST SCENARIO.
 8. QUANTITY OF SILE LIDS MAY BE 01, OR 02 AS TESTED.
 9. DROP IN TYPE OF INSULATION IS OPTIONAL.

MIT PART OF WIND LOAD SYSTEM EXTENSION SPRING COUNTERBALANCE TURNER SPRING COUNTERBALANCE



INSIDE ELEVATION

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR. 2ND BRACKET NEAR THE HORIZONTAL 6 OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION.

SEC. C-C
VERTICAL TRACK, (16 GA.)

LISTED

PROPER INSTALLATION

SEI

PE No. 24280

TESTER

INSYAN

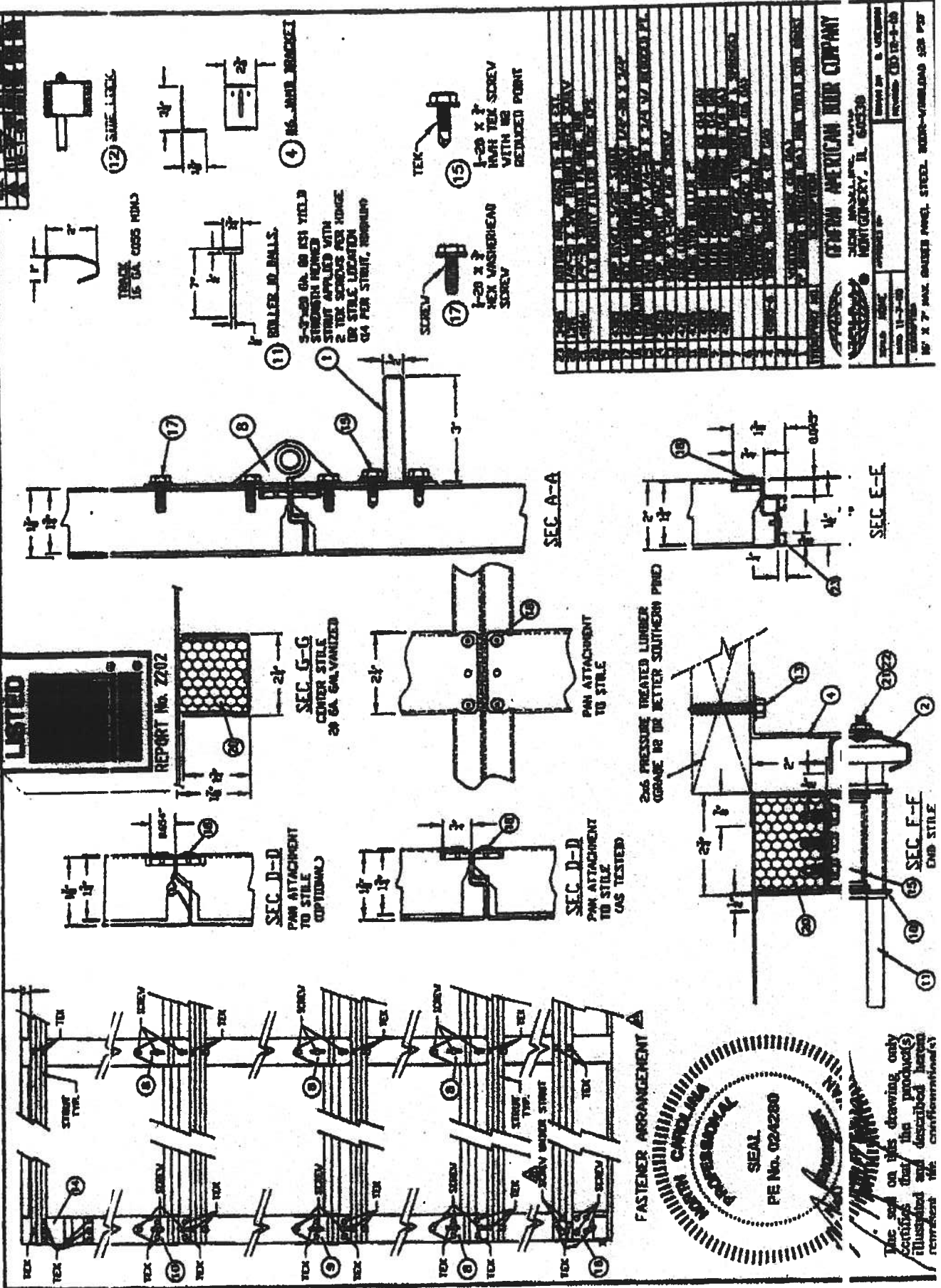
The seal on the drawing on the certificate they he product illustrated and described here represent the configuration and dimensions and the door as tested installation(s).

TEST REPORTS ON FILE UNDER 10/19/00 ORDERED

GAUCED DOORS SERIES 7400, EXTERIOR STEEL = .017 MM (AS TESTED) SERIES 7524, EXTERIOR STEEL = .024" MIN (A) (TESTED WITH WINDOWS)		APPROVED BY APPROVED BY APPROVED BY
MAXIMUM DOOR HEIGHT WITHIN	MAXIMUM DOOR WEIGHT	MAXIMUM RISE & VENTILATION
TYPICAL VERTICAL CLEARANCE SPACING	STRUT TO TEST	(A) 11'-0"
MAXIMUM RISE WITHIN	VERTICAL TRACK	(A) 11'-0"
MAXIMUM DOOR WEIGHT	MAXIMUM RISE WITHIN	(A) 11'-0"
TYPICAL VERTICAL CLEARANCE SPACING	STRUT TO TEST	(A) 11'-0"
MAXIMUM DOOR WEIGHT	VERTICAL TRACK	(A) 11'-0"
MAXIMUM RISE WITHIN	MAXIMUM RISE WITHIN	(A) 11'-0"
TYPICAL VERTICAL CLEARANCE SPACING	STRUT TO TEST	(A) 11'-0"
MAXIMUM DOOR WEIGHT	VERTICAL TRACK	(A) 11'-0"
MAXIMUM RISE WITHIN	MAXIMUM RISE WITHIN	(A) 11'-0"

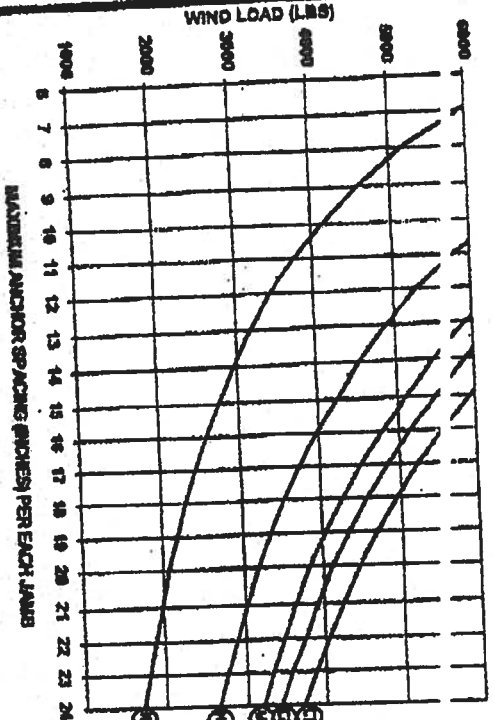
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD

DESIGN LOAD +200 PSF & -200 PSF
TEST LOAD +300 PSF & -300 PSF



AMERICAN DOOR COMPANY
 1000 W. 11th Street
 Springfield, IL 62760
 Phone: 217-244-1111
 Fax: 217-244-1112
 E-mail: info@american-door.com
 Website: www.american-door.com

WIND LOAD VS ANCHOR SPACING



- 1) CONCRETE MASONRY... 1-3/8" EMBEDMENT
- 2) CONCRETE MASONRY... 1-3/8" EMBEDMENT
- 3) CONCRETE MASONRY... 1-3/8" EMBEDMENT
- 4) CONCRETE MASONRY... 1-3/8" EMBEDMENT
- 5) CONCRETE MASONRY... 1-3/8" EMBEDMENT
- 6) CONCRETE MASONRY... 1-3/8" EMBEDMENT
- 7) CONCRETE MASONRY... 1-3/8" EMBEDMENT
- 8) CONCRETE MASONRY... 1-3/8" EMBEDMENT
- 9) CONCRETE MASONRY... 1-3/8" EMBEDMENT
- 10) CONCRETE MASONRY... 1-3/8" EMBEDMENT

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

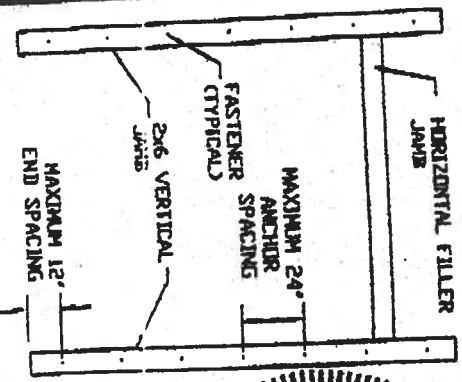
EXAMPLE

30 LBS X 06 FT WIDE X 8 FT HIGH = 3840 LBS

1) USE 22" SPACING
2) USE 24" SPACING
3) USE 19" SPACING

4) USE 16" SPACING
5) USE 10" SPACING

SEE NOTE #1 FOR ANCHORING REQUIREMENTS FOR WIND JOINT ANCHORS



SEAL
PE No. 024200

REGISTERED PROFESSIONAL ENGINEER
NABER R. KEYVAN
No. 52776
STATE OF ILLINOIS

3/8/2002

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED GRADE #2 OR BETTER SOUTHERN PINE WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME. WOOD JAMB SHALL BE DETACHED FROM BRICK 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 FULL CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HERRICANE" POSTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SOCCO STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSTB 10, CURRENT EDITION.
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, DIRECTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUNDLED 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 FLOORING TO DECKLE PLATE.
- 5) REINFORCED CMU OR CONCRETE 2x6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY CURED 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 2000 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 3-3/4".
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TYPICAL 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 10' X 8' AT A MAXIMUM 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.

GENERAL AMERICAN DOOR COMPANY
1700 WEST ONE ROAD
MORTGROVE, IL 60438

DATE: 6-23-02
DRAWN BY: [Signature]
CHECKED BY: [Signature]
FOR WIND LOADED GARAGE DOORS

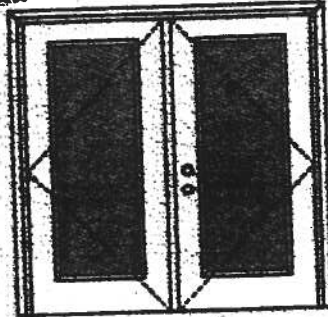
PROJECT NO. 10520

XX

Glazed Opening Unit

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 5'0" x 6'6".

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

Design Pressure
+40.5/-40.5
Limited water entry; 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-section 1, 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 MAD-WL-MA0012-02.

APPROVED DOOR STYLES:

1/4 GL/SS:



100 Series



100, 100 Series



100 Series



100 Series



100 Series

1/2 GL/SS:



100 Series



100, 100 Series



100 Series



100 Series



12 RL, 20 RL, 24 RL Series



107 Series



100 Series



104 Series

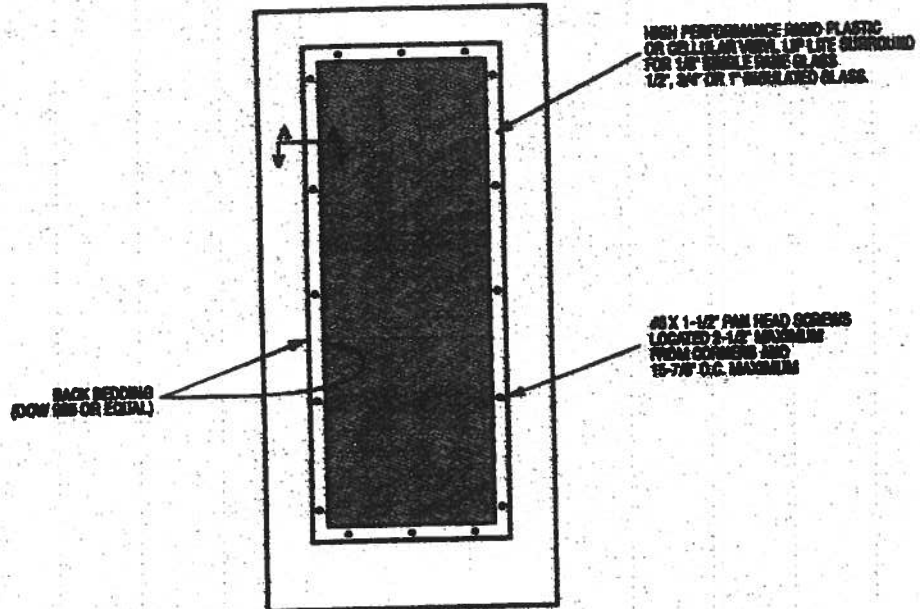
*This glass unit may also be used in the following door styles: 5-panel; 5-panel with screen; Eyebrow 5-panel; Eyebrow 5-panel with screen.

Je Hanson
Air Systems

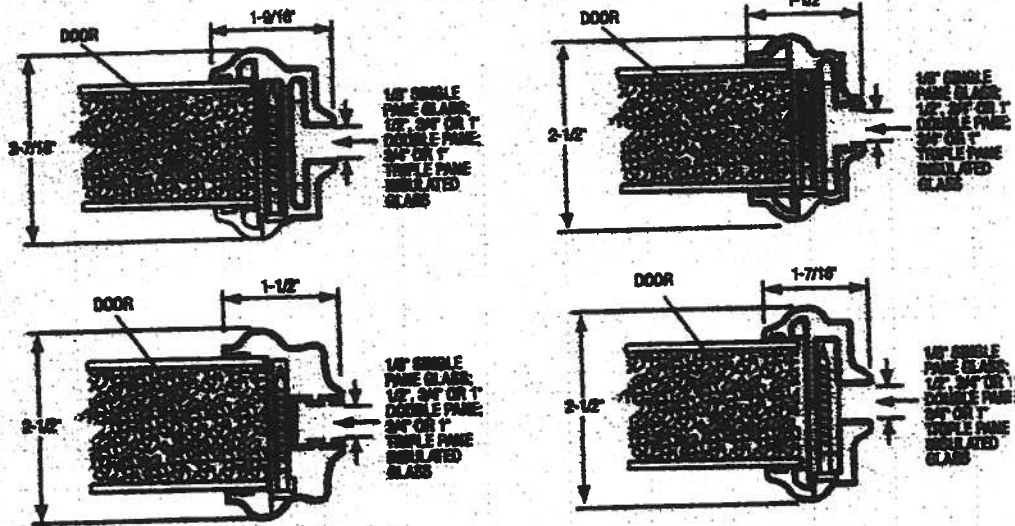
March 21, 2002
Our records department of product requirements, codes, specifications, design and product data will be changed without notice.



GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 2, 2008
 Our constant program of product improvement makes specifications subject to change without notice.



Exclusively for us
Masonite
 Masonite International Corporation

XX

Glazed (swing Unit

WOOD-EDGE STEEL DOORS

APPROX 8 DOOR STYLES:

3/4 GLASS:



400 Series



402 Series



408 Series

FULL GLASS:



100 Series



114, 120, 122 Series



102 Series



140 Series



930 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip into 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 68533

J. Mason
The Dry Systems

March 7, 2002
Our work is a program of product improvement unless specifications, design and product details are changed without notice.

PREMIERE
Premium Quality Doors



Exclusively from

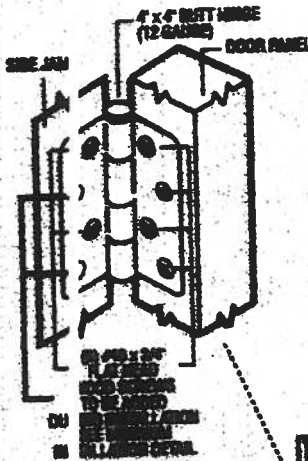
Masonite

Masonite International Corporation

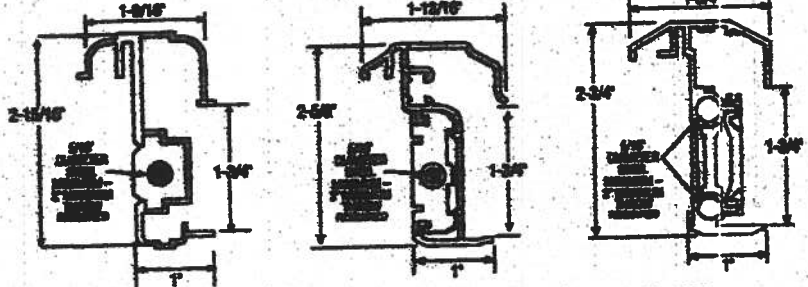
XX
Unit

**OUTSWING UNITS WITH
DOUBLE DOOR**

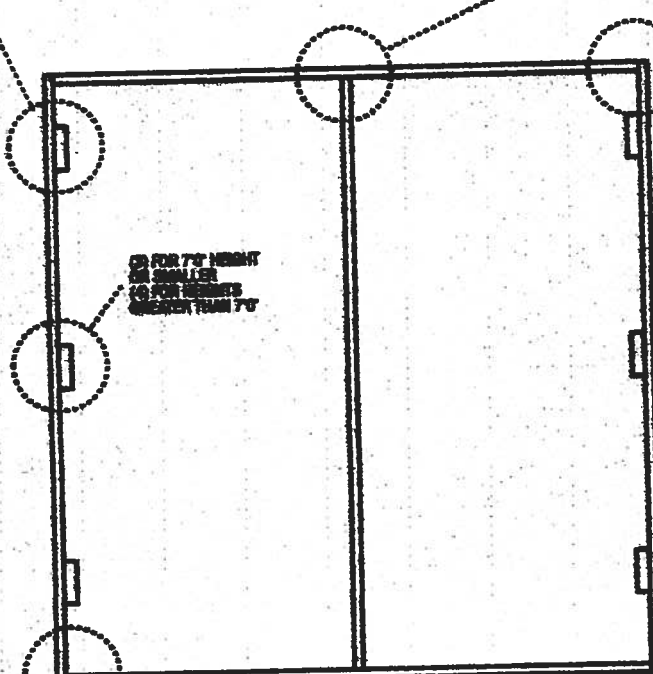
TYPICAL H HINGE ATTACHMENT



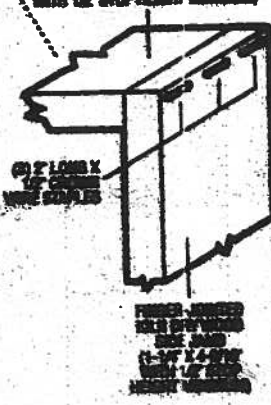
TYPICAL ASTRAGAL PROFILES



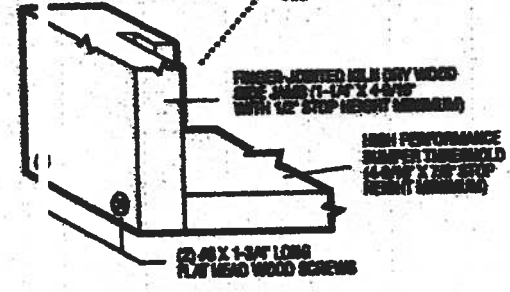
ALUMINUM EXTRUDED ASTRAGAL (0.06 MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT BUSHING AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND COUNTERSINK DRIBBLET LOCATIONS. ATTACH WITH #6 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 2" O.C. MAXIMUM.



TYPICAL MEMBER J SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT

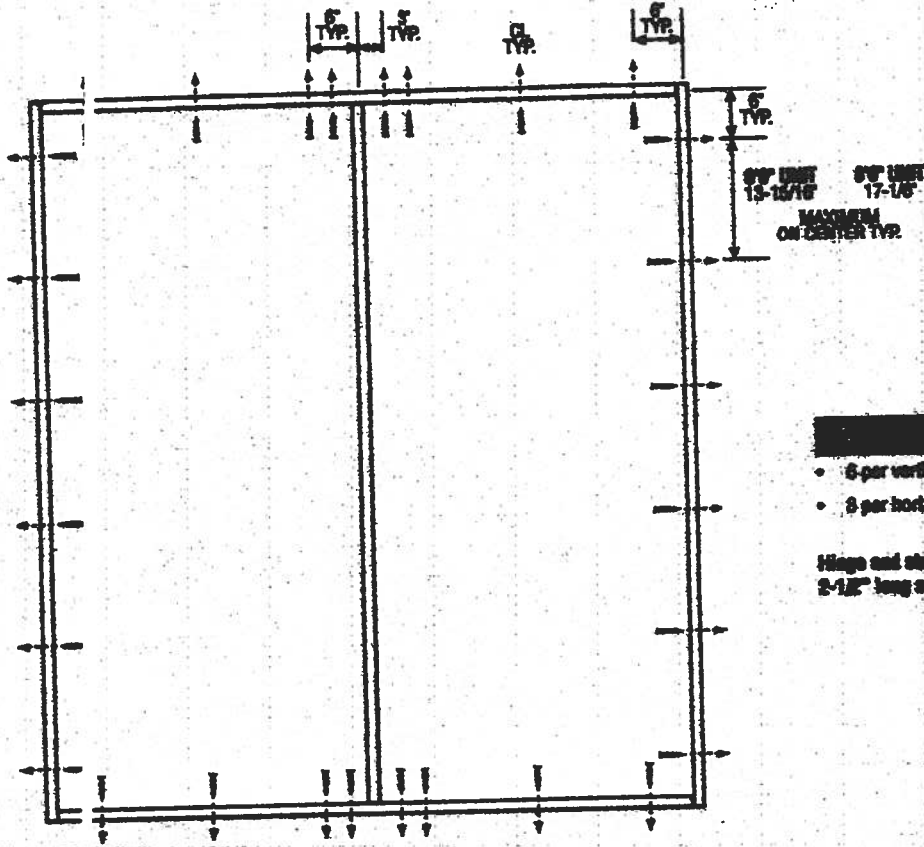


March 2, 2000
Subject: Approval of product improvement sales qualifications.
Design to product sales subject to change without notice.

Exclusively from
Masonite
Masonite International Corporation

XX
Unit

DOUBLE DOOR



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

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

Fastening Hardware:

- Code compliance requires that GRADE 2 or better (ANSI/BMMA A155.2) cylindrical and deadlock hardware be installed.

Note:

1. All door calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners and yield for this unit include #8 and #10 wood screws or 3/16" Tapcon.
2. The wood screw single shear design values come from Table 11.3A of ANSI/APA & 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 Data Country app levels respectively, each with minimum 1-1/4" embedment.
3. Work done by others, must be anchored properly to transfer loads to the structure.

March 2, 2009
Our goal is to provide the highest quality products and services.
design is



Residential System Sizing Calculation

Summary

Spec House

Project Title:
Prudential Builders - Westbrooke

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

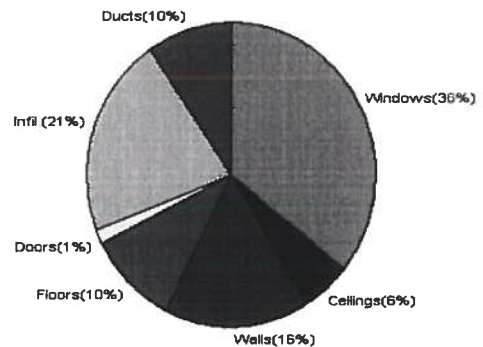
7/9/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	33268 Btuh	Total cooling load calculation	43101 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.2 39000	Sensible (SHR = 0.75)	81.4 29250
Heat Pump + Auxiliary(0.0kW)	117.2 39000	Latent	136.4 9750
		Total (Electric Heat Pump)	90.5 39000

WINTER CALCULATIONS

Winter Heating Load (for 1437 sqft)

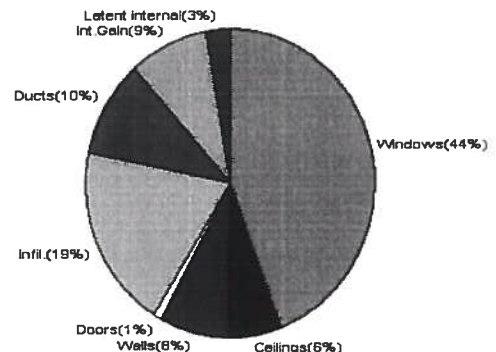
Load component		Load	
Window total	254 sqft	11951	Btuh
Wall total	1628 sqft	5345	Btuh
Door total	38 sqft	492	Btuh
Ceiling total	1600 sqft	1885	Btuh
Floor total	208 sqft	3402	Btuh
Infiltration	172 cfm	6985	Btuh
Duct loss		3207	Btuh
Subtotal		33268	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		33268	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1437 sqft)

Load component		Load	
Window total	254 sqft	19036	Btuh
Wall total	1628 sqft	3302	Btuh
Door total	38 sqft	372	Btuh
Ceiling total	1600 sqft	2650	Btuh
Floor total		0	Btuh
Infiltration	151 cfm	2808	Btuh
Internal gain		3780	Btuh
Duct gain		4003	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		35951	Btuh
Latent gain(ducts)		435	Btuh
Latent gain(infiltration)		5514	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		7149	Btuh
TOTAL HEAT GAIN		43101	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

[Signature]
7-9-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Prudential Builders - Westbrooke

Professional Version

Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/9/2007

Component Loads for Whole House

Window	Panels/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
2	1, Clear, Metal, 1.27	NW	20.0	47.0	940 Btuh
3	1, Clear, Metal, 1.27	W	54.0	47.0	2537 Btuh
4	1, Clear, Metal, 1.27	S	12.0	47.0	564 Btuh
5	1, Clear, Metal, 1.27	W	16.0	47.0	752 Btuh
6	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
7	1, Clear, Metal, 1.27	N	45.0	47.0	2115 Btuh
8	1, Clear, Metal, 1.27	E	4.0	47.0	188 Btuh
9	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
10	1, Clear, Metal, 1.27	E	13.3	47.0	626 Btuh
11	1, Clear, Metal, 1.27	S	9.0	47.0	423 Btuh
12	1, Clear, Metal, 1.27	S	15.0	47.0	705 Btuh
Window Total			254(sqft)		11951 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1466	3.3	4813 Btuh
2	Frame - Wood - Adj(0.09)	13.0	162	3.3	532 Btuh
Wall Total			1628		5345 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		18	12.9	233 Btuh
Door Total			38		492Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1600	1.2	1885 Btuh
Ceiling Total			1600		1885Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	208.0 ft(p)	16.4	3402 Btuh
Floor Total			208		3402 Btuh
Envelope Subtotal:					23076 Btuh
Infiltration	Type	ACH X	Volume(cuft) walls(sqft)	CFM=	Load
	Natural	0.80	12933 1628	172.4	6985 Btuh
Ductload	(DLM of 0.107)				3207 Btuh
All Zones	Sensible Subtotal All Zones				33268 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Prudential Builders - Westbrooke

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

7/9/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	33268 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33268 Btuh

EQUIPMENT

1. Electric Heat Pump	#	39000 Btuh
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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)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Prudential Builders - Westbrooke

Professional Version

Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/9/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	W	30.0		47.0	1410 Btuh
2	1, Clear, Metal, 1.27	NW	20.0		47.0	940 Btuh
3	1, Clear, Metal, 1.27	W	54.0		47.0	2537 Btuh
4	1, Clear, Metal, 1.27	S	12.0		47.0	564 Btuh
5	1, Clear, Metal, 1.27	W	16.0		47.0	752 Btuh
6	1, Clear, Metal, 1.27	N	6.0		47.0	282 Btuh
7	1, Clear, Metal, 1.27	N	45.0		47.0	2115 Btuh
8	1, Clear, Metal, 1.27	E	4.0		47.0	188 Btuh
9	1, Clear, Metal, 1.27	E	30.0		47.0	1410 Btuh
10	1, Clear, Metal, 1.27	E	13.3		47.0	626 Btuh
11	1, Clear, Metal, 1.27	S	9.0		47.0	423 Btuh
12	1, Clear, Metal, 1.27	S	15.0		47.0	705 Btuh
Window Total			254(sqft)			11951 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1466		3.3	4813 Btuh
2	Frame - Wood - Adj(0.09)	13.0	162		3.3	532 Btuh
Wall Total			1628			5345 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
2	Insulated - Adjacent		18		12.9	233 Btuh
Door Total			38			492Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1600		1.2	1885 Btuh
Ceiling Total			1600			1885Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	208.0	ft(p)	16.4	3402 Btuh
Floor Total			208			3402 Btuh
Zone Envelope Subtotal:						23076 Btuh
Infiltration	Type	ACH	X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.80		12933	1628	172.4
						6985 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)				(DLM of 0.107)	3207 Btuh
Zone #1	Sensible Zone Subtotal					33268 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Prudential Builders - Westbrooke

Professional Version

Climate: North

7/9/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	33268 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33268 Btuh

EQUIPMENT

1. Electric Heat Pump	#	39000 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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Prudential Builders - Westbrooke

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

7/9/2007

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	30.0	0.0	30.0	37	94	2821	Btuh
2	1, Clear, 1.27, None,N,N	NW	8.5ft	10ft.	20.0	0.0	20.0	37	72	1445	Btuh
3	1, Clear, 1.27, None,N,N	W	9.5ft	10ft.	54.0	35.0	19.0	37	94	3100	Btuh
4	1, Clear, 1.27, None,N,N	S	7ft.	10ft.	12.0	12.0	0.0	37	43	449	Btuh
5	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	16.0	0.0	16.0	37	94	1505	Btuh
6	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	6.0	0.0	6.0	37	37	225	Btuh
7	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	45.0	0.0	45.0	37	37	1685	Btuh
8	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	4.0	0.0	4.0	37	94	376	Btuh
9	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	30.0	0.0	30.0	37	94	2821	Btuh
10	1, Clear, 1.27, None,N,N	E	6.5ft	10ft.	13.3	4.1	9.2	37	94	1020	Btuh
11	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	9.0	9.0	0.0	37	43	337	Btuh
12	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	15.0	15.0	0.0	37	43	562	Btuh
	Excursion									2689	Btuh
	Window Total				254 (sqft)					19036 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1465.7			2.1		3057 Btuh	
2	Frame - Wood - Adj		13.0/0.09		162.0			1.5		244 Btuh	
	Wall Total				1628 (sqft)					3302 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				20.0			9.8		196 Btuh	
2	Insulated - Adjacent				18.0			9.8		176 Btuh	
	Door Total				38 (sqft)					372 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		1600.0			1.7		2650 Btuh	
	Ceiling Total				1600 (sqft)					2650 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		5.0		208 (ft(p))			0.0		0 Btuh	
	Floor Total				208.0 (sqft)					0 Btuh	
	Envelope Subtotal:									25360 Btuh	
Infiltration	Type		ACH		Volume(cuft) wall area(sqft)		CFM=		Load		
	SensibleNatural		0.70		12933 1628		172.4		2808 Btuh		
Internal gain			Occupants		Btuh/occupant		Appliance		Load		
			6		X 230 +		2400		3780 Btuh		
	Sensible Envelope Load:									31948 Btuh	
Duct load	(DGM of 0.125)									4003 Btuh	
	Sensible Load All Zones									35951 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Prudential Builders - Westbrooke

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

7/9/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	31948 Btuh
	Sensible Duct Load	4003 Btuh
	Total Sensible Zone Loads	35951 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	35951 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5514 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	435 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	7149 Btuh
	TOTAL GAIN	43101 Btuh

EQUIPMENT

1. Central Unit	#	39000 Btuh
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*Key: Window types (Pn - Number of panes of glass)
 (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(B), Draperies(D) or Roller Shades(R))
 (ExSh - Exterior shading device: none(N) or numerical value)
 (BS - Insect screen: none(N), Full(F) or Half(H))
 (Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:

Code Only

Prudential Builders - Westbrooke

Professional Version

Lake City, FL 32025-

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

7/9/2007

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	30.0	0.0	30.0	37	94	2821	Btuh
2	1, Clear, 1.27, None,N,N	NW	8.5ft	10ft.	20.0	0.0	20.0	37	72	1445	Btuh
3	1, Clear, 1.27, None,N,N	W	9.5ft	10ft.	54.0	35.0	19.0	37	94	3100	Btuh
4	1, Clear, 1.27, None,N,N	S	7ft.	10ft.	12.0	12.0	0.0	37	43	449	Btuh
5	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	16.0	0.0	16.0	37	94	1505	Btuh
6	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	6.0	0.0	6.0	37	37	225	Btuh
7	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	45.0	0.0	45.0	37	37	1685	Btuh
8	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	4.0	0.0	4.0	37	94	376	Btuh
9	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	30.0	0.0	30.0	37	94	2821	Btuh
10	1, Clear, 1.27, None,N,N	E	6.5ft	10ft.	13.3	4.1	9.2	37	94	1020	Btuh
11	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	9.0	9.0	0.0	37	43	337	Btuh
12	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	15.0	15.0	0.0	37	43	562	Btuh
Window Total					254 (sqft)					16347 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		1465.7		2.1		3057 Btuh		
2	Frame - Wood - Adj		13.0/0.09		162.0		1.5		244 Btuh		
Wall Total					1628 (sqft)				3302 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Exterior				20.0		9.8		196 Btuh		
2	Insulated - Adjacent				18.0		9.8		176 Btuh		
Door Total					38 (sqft)				372 Btuh		
Ceilings	Type/Color/Surface		R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle		30.0		1600.0		1.7		2650 Btuh		
Ceiling Total					1600 (sqft)				2650 Btuh		
Floors	Type		R-Value		Size		HTM		Load		
1	Slab On Grade		5.0		208 (ft <p>)</p>		0.0		0 Btuh		
Floor Total					208.0 (sqft)				0 Btuh		
Zone Envelope Subtotal:										22671 Btuh	
Infiltration	Type		ACH	Volume(cuft)	wall area(sqft)	CFM=			Load		
	SensibleNatural		0.70	12933	1628	150.9			2808 Btuh		
Internal gain		Occupants	Btuh/occupant		Appliance				Load		
		6	X 230 +		2400				3780 Btuh		
Sensible Envelope Load:										29259 Btuh	
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic) (DGM of 0.125)									3666 Btuh	
Sensible Zone Load										32925 Btuh	

The following window Excursion will be assigned to the system loads.

Windows	July excursion for System 1		2689 Btuh
	Excursion Subtotal:		2689 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Prudential Builders - Westbrooke

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

7/9/2007

Duct load		337 Btuh
	Sensible Excursion Load	3026 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Prudential Builders - Westbrooke

Professional Version

Lake City, FL 32025-

Climate: North

7/9/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	31948 Btuh
	Sensible Duct Load	4003 Btuh
	Total Sensible Zone Loads	35951 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	35951 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5514 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	435 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	7149 Btuh
	TOTAL GAIN	43101 Btuh

EQUIPMENT

1. Central Unit	#	39000 Btuh
-----------------	---	------------

*Key: Window types (Pn - Number of panes of glass)
 (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(B), Draperies(D) or Roller Shades(R))
 (ExSh - Exterior shading device: none(N) or numerical value)
 (BS - Insect screen: none(N), Full(F) or Half(H))
 (Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Project Title:
Prudential Builders - Westbrooke

Code Only
Professional Version
Climate: North

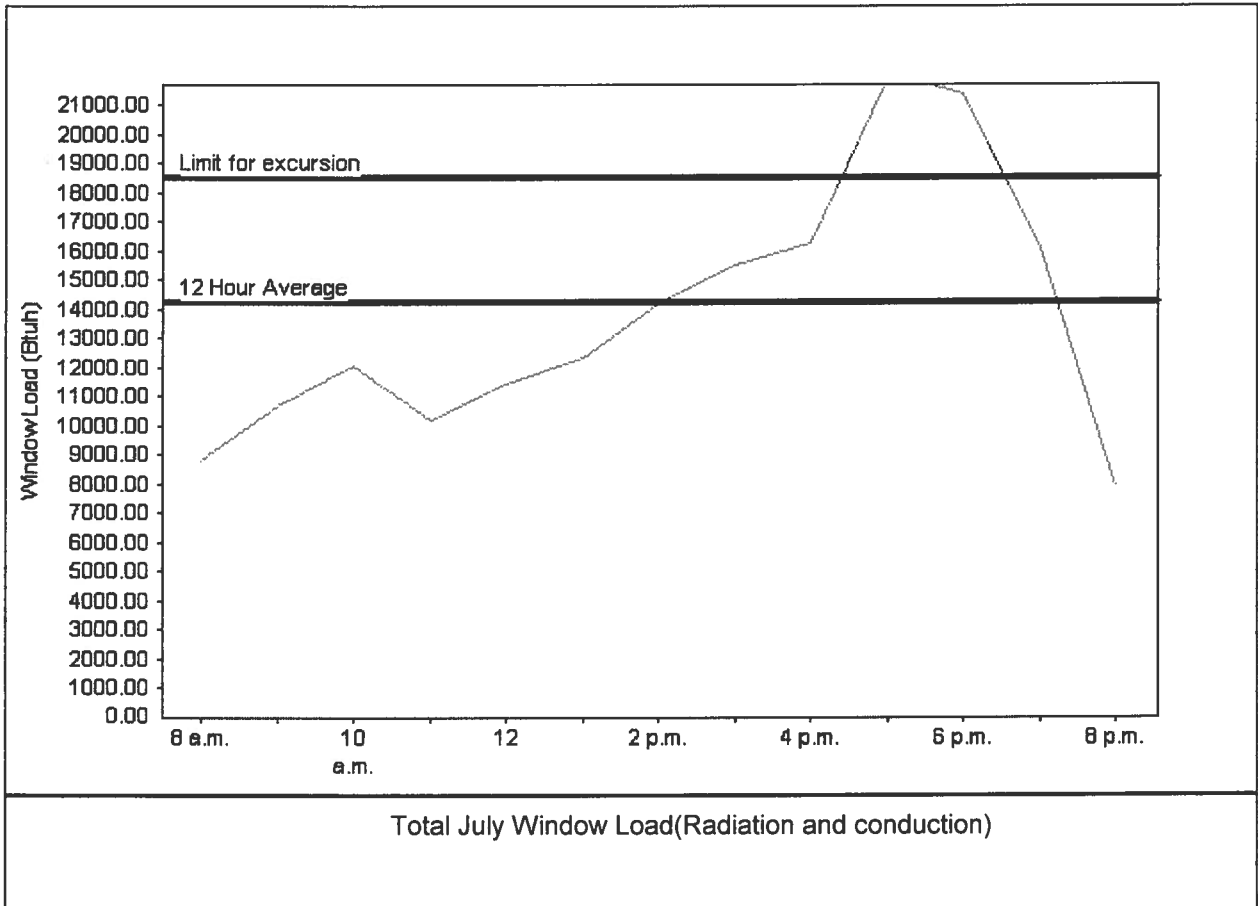
Lake City, FL 32025-

7/9/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	14247 Btu
Summer setpoint	75 F	Peak window load for July	22066 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	18521 Btu
Latitude	29 North	Window excursion (July)	3545 Btu

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only
 PREPARED BY: _____
 DATE: _____



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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 (termitecide 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 (FBC) 04.2.1 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

Return To:
Eddie Anderson

26281

2.50
12.50

THIS INSTRUMENT PREPARED BY
& RETURN TO:
Columbia Bank
173 NW Hillsboro Street
Lake City, FL 32055

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

By: Shawn Seagle
Deputy Clerk

Date: 10-02-2007



Inst:200712022182 Date:10/2/2007 Time:9:39 AM
DC, P. DeWitt Cason, Columbia County Page 1 of 1

NOTICE OF COMMENCEMENT

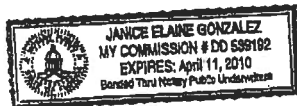
THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement:

- 1. Description of Property: Lot 12 Hunnington Place, Phase 1 a subdivision according to the Plat thereof as recorded in Plat Book 8 Pages 122 and 123 of the Public Records of Columbia County, Florida according to the Tax Parcel # 14-4S-16-02973-112.
- 2. General Description of Improvements: Construction of a single family dwelling.
- 3. Owner Information: Prudential Builders, Inc.
P O Box 3333
Lake City, Fl 32056
Phone: 386-755-1100
- Owner's Interest in Property: Fee Simple
- 4. Contractor: Prudential Builders, Inc.
P O Box 3333
Lake City, Fl 32056
Phone: 386-755-1100
- 5. Lender: Columbia Bank
173 NW Hillsboro Street
Lake City, FL 32055
- 6. Additional 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:
- 7. Expiration date of Notice of Commencement is one (1) year from the date of recording.

Prudential Builders, Inc.
Justin M. Fitzhugh, President

STATE OF FLORIDA
COUNTY OF Columbia

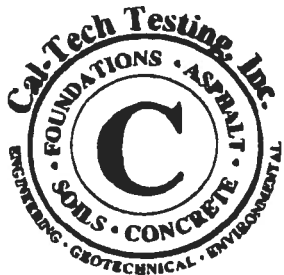
The foregoing instrument was acknowledged before me this 28th day of September, 2007 by
Justin M. Fitzhugh



NOTARY PUBLIC

Janice Elaine Gonzalez
Name: _____ (SEAL)
State of Florida at Large
Personally Known:
Produced Identification: _____
Type: _____
My Commission Expires: _____

(NOC)



Cal-Tech Testing, Inc.

- Engineering
 - Geotechnical
 - Environmental
- Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
 4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902
 2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

26281

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 07-00495
 DATE TESTED: 10/1/07
 DATE REPORTED: 10/1/07

PROJECT: Hunnington Place Lots 10, 11 & 12, Lake City, FL
CLIENT: Prudential Builders Inc. P.O. Box 3333, Lake City, FL 32056
GENERAL CONTRACTOR: Simque Construction, P.O. Box 2962, Lake City, FL 32056
EARTHWORK CONTRACTOR: Simque Construction
INSPECTOR: Chad Day

ASTM METHOD: (D-2922) Nuclear
 SOIL USE: BUILDING FILL

SPECIFICATION REQUIREMENTS: 95%

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Lot # 12								
1	West Corner, Center of Foundation	12"	105.3	3.8	101.4	1	102.9	99%
2	NE Corner, 10' South x 15' West	12"	104.3	5.6	98.8	1	102.9	96%
3	SE Corner, 10' West x 6' North	12"	104.2	4.1	100.1	1	102.9	97%
4	SW Side, 10' North x 6' East	12"	103.6	4.0	99.6	1	102.9	97%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Light Tan Sand	102.9	9.6	MODIFIED (ASTM D-1557)

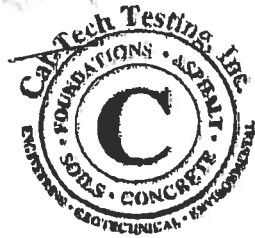
Respectfully Submitted,
 CAL-TECH TESTING, INC.

Reviewed By:

Linda M. Creamer, CEO, DBE
 Linda M. Creamer
 President - CEO

Date: *Yalid H. K...* 10/31/07
 Licensed, Florida No: 57842

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.



Cal-Tech Testing, Inc.

- **Engineering** P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
- **Geotechnical** 6919 Distribution Ave. S., Unit #5, Jacksonville, FL 32257 • Tel(904)282-4046 • Fax(904)4047
- **Environmental** 2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

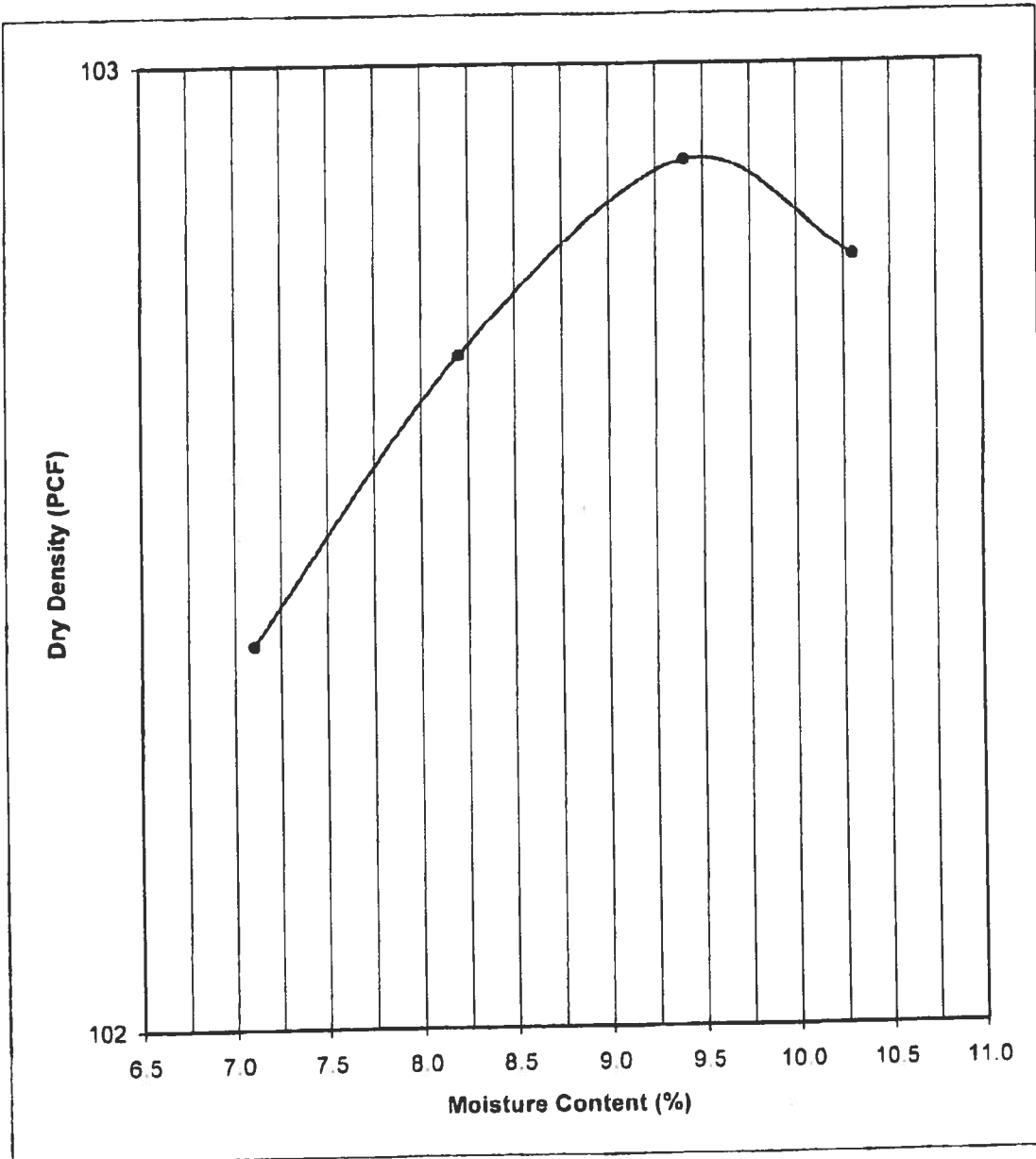
Laboratories

REPORT OF LABORATORY COMPACTION TEST

Client:
Project Name:
Project Location:
Contractor:

Prudential Builders, Inc. P.O. Box 3333, Lake City, FL 32025
Hunnington Place Lots 10,11 & 12
Lake City, FL
Simque Construction, P.O. Box 2962, Lake City, FL 32056

File No: 07-00495
Date: 10/3/2007
Lab No: 10348



PROCTOR DATA

Proctor No.: 1

Modified Proctor
 (ASTM D-1557)

Standard Proctor
 (ASTM D-698)

Maximum Dry
 Dens. Pcf: 102.9

Optimum Moisture
 Percent: 9.6

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

Sample Description:
Sample Location:
Proposed Use:
Sampled By:
Tested By:
Remarks:

Light Tan Sand
Lot Fill 12
Building Fill
Chad Day Date: 10/1/2007
Tim Cassidy Date: 10/2/2007
 1cc: Client
 1cc: File Simque Construction P.O. Box 2962, Lake City, FL
32056

Linda Creamer, CEO
 Linda M. Creamer
 President - CEO
 Reviewed By: *[Signature]*
 Date: 10/3/07
 Licensed, Florida No.: 57842

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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

26281

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

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 321 N.W. Cole Terrace, Suite 107 City Lake City State FL Zip 32055
Company Business License No. JB100478 Company Phone No. 396-755-3611 • 352-494-5751
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Aaron Simpson Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 325 S.W. Newland St Lake City
Type of Construction (More than one box may be checked) Slab Basement Crawl Other _____
Approximate Depth of Footing: Outside _____ Inside _____ Type of Fill _____

Section 4: Treatment Information

Date(s) of Treatment(s) 12-7-07
Brand Name of Product(s) Used Bora-Terms
EPA Registration No. 63341-1
Approximate Final Mix Solution % 1.2%
Approximate Size of Treatment Area: Sq. ft. 2077 Linear ft. _____ Linear ft. of Masonry Voids _____
Approximate Total Gallons of Solution Applied 4 1/2
Was treatment completed on exterior? Yes No
Service Agreement Available? Yes No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Jesus Brannon Certification No. (if required by State law) _____

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [Signature] Date 12-7-07

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)
Form NPCA-99-B may still be used form HUD-NPCA-99-B (04/2003)

GENERAL CONTRACTORS OF COLUMBIA COUNTY

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 14-4S-16-02973-112

Building permit No. 000026281

Use Classification SFD, UTILITY

Fire: 51.36

Permit Holder JUSTIN FITZHUGH

Waste: 134.00

Owner of Building PRUDENTIAL BUILDERS

Total: 185.36

Location: 325 SW NEWLWED CT, LAKE CITY, FL

Date: 02/28/2008


Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

