Lot 10

Columbia County Building Permit Application

For Office Use Only Application # 0708-18 Date Received 8/7 By JW Permit # 14556/26280

Application Approved by - Zoning Official BLK Date 08.08.07 Plans Examiner OK JTH Date 8-13-07

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

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 Fax 752-2282

Address 387 SW Kempt Lake City FL 32024

Owners Name Prudential Builders II Inc. Phone 755-1200 or 755-9000

911 Address 324 SW Newlywed Lake City FL 32024

Contractors Name Justin Fitchugh Phone 755-1200 or 755-9000 or 961-9400

Address POB 3333 Lake City FL 32056-3333

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

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 14-4S-16-02973-110 Estimated Cost of Construction 50,000

Subdivision Name Hunnington Place Lot 10 Block ____ Unit ____ Phase 1

Driving Directions Hwy 90 West, L on Sisters Welcome, R on Hope Henry, R on Happy Terrace, L on Newlywed Court, Lot is 11th down on L

Type of Construction SFD Number of Existing Dwellings on Property 0

Total Acreage .5 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 55'-10" Side 32'-7" Side 32'-4" Rear 28'-5"

Total Building Height 21'-2" Number of Stories 1 Heated Floor Area 1665 TOTAL 2268 Roof Pitch 8-12

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

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

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

Owner Builder or Authorized Person by Notarized Letter

Contractor Signature

Contractors License Number CRC 1328401

Competency Card Number

NOTARY STAMP/SEAL

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this _____ day of _____ 20____.

Personally known____ or Produced Identification____

Notary Signature

(Revised Sept. 2006)

06/26/2007 09:04 3867522282 LINDA RODER PAGE 03

Notice of Authorization

I, Justin Fitchuch / Prudential Bldrs. hereby authorize Linda Roder or Melanie Roder to be my Representative and act on my behalf in all aspects for applying for a Building Permit to be located in Columbia County. LOTS 7-12 Huntington Place

Contractor's Signature

7/16/07
Date

Sworn to and Subscribed before me this 16th day of July, 2007
by Justin Fitzhugh, who

✓ is Personally Known or

_____ has produced _____ as identification.

S. Michelle Wilson
Notary Public

Notary Stamp

NOTARY PUBLIC STATE OF FLORIDA
S. MICHELLE WILSON
MY COMMISSION # DD 629484
EXPIRES: January 16, 2011
Bonded Thru Budget Notary Services

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:

BULLARD-DENUNE INVESTMENT CO.

[redacted]
Witness: Terry McDavid

By: [redacted]
CHRIS A. BULLARD,
Vice President

[redacted]
Witness: Crystal L. Brunner

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.

[redacted]
Notary Public
My Commission Expires: 1-16-2010

(Seal)

TERRY MCDAVID
MY COMMISSION # DD 500788
EXPIRES: January 16, 2010
Bonded Thru Notary Public Underwriters

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001455

DATE 09/27/2007 PARCEL ID # 14-4S-16-02973-110

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024

OWNER PRUDENTIAL BUILDERS PHONE 755-1200

ADDRESS 324 SW NEWLYWED CT LAKE CITY FL 32024

CONTRACTOR JUSTIN FITZHUGH PHONE 755-1200

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TR HOPE HENRY, TR ON HAPPY TERR,
TL ON NEWLYWED CT, 11TH ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HUNNINGTON PLACE 10

SIGNATURE

INSTALLATION REQUIREMENTS

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

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

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

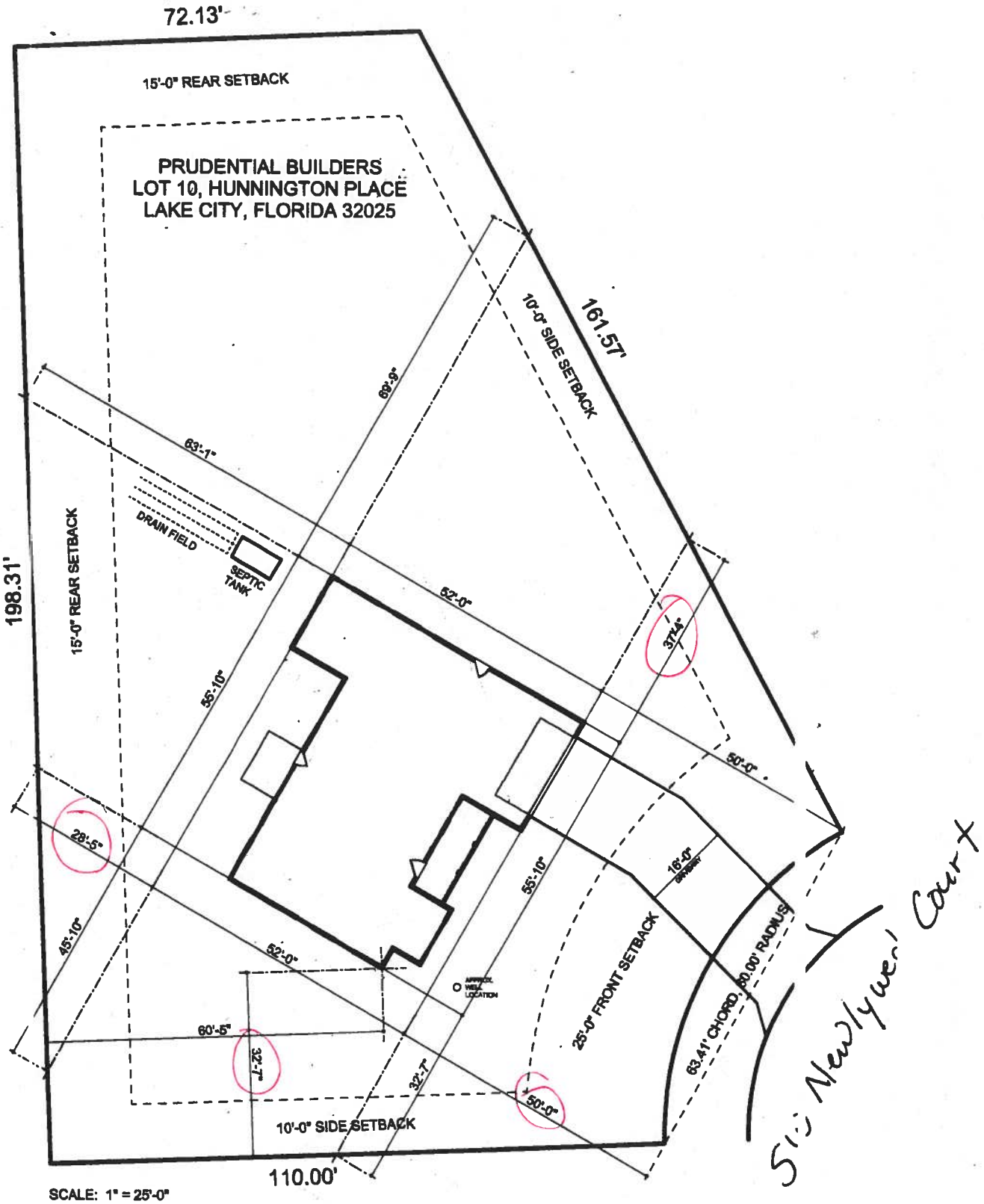
[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid 25.00


72.13'
15'-0" REAR SETBACK
PRUDENTIAL BUILDERS
LOT 10, HUNNINGTON PLACE
LAKE CITY, FLORIDA 32025
161.57'
10'-0" SIDE SETBACK
69'-9"
63'-1"
DRAIN FIELD
SEPTIC TANK
198.31'
15'-0" REAR SETBACK
52'-0"
55'-10"
37'-4"
50'-0"
28'-5"
45'-10"
52'-0"
55'-10"
16'-0" DRIVEWAY
25'-0" FRONT SETBACK
63.41' CHORD
80.00' RADIUS
60'-5"
32'-7"
32'-7"
50'-0"
10'-0" SIDE SETBACK
110.00'
SCALE: 1" = 25'-0"
Sir Newlywed Court

ASPEN
PEST CONTROL, INC.

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 10 324 SW Newlywed Ct Lake City, Fl (Prudential Build ers)
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 subterran an termites at the dried-in stage of construction. Treatment is done in accordance with the rules an 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

7-20-07
Date

FOR I 600A-2(04R Tested sealed ducts must be certified in this house. EnergyGauge® 4.5.2

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Proj ct Name:	**Prudential Builders - Auburn**	Builder:	**Prudential Builders**
Add ess:	**Lot: 10, Sub: Hunnington S/D, Plat:**	Permitting Office:	Columbia
City State:	**Lake City, FL 32025-**	Permit Number:	26280
Owr er:	**Spec House**	Jurisdiction Number:	221000
Clir ate Zone:	**North**		

1.	ew constructi n or existing	New	
2.	ngle family o multi-family	Single family	
3.	umber of unit , if multi-family	1	
4.	umber of Bed ooms	4	
5.	this a worst c se?	No	
6.	onditioned flo r area (ft²)	1665 ft²	
7.	lass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	-factor:	Description Area	
	or Single or D uble DEFAULT)	7a (Sngle Default) 200.3 ft²	
b.	HGC:		
	(or Clear or Ti it DEFAULT)	7b. (Clear) 200.3 ft²	
8.	loor types		
a.	lab-On-Grade Edge Insulation	R=5.0, 208.0(p) ft	
b.	/A		
c.	/A		
9.	/all types		
a.	rame, Wood, E xterior	R=13.0, 1381.7 ft²	
b.	rame, Wood, A djacent	R=13.0, 288.0 ft²	
c.	/A		
d.	/A		
e.	/A		
10.	eiling types		
a.	nder Attic	R=30.0, 1725.0 ft²	
b.	/A		
c.	/A		
11.	ucts(Leak Fre :)		
a.	up: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	
b.	/A		

12.	Cooling systems		
a.	Central Unit	Cap 35.0 kBtu/hr	
		SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 35.0 kBtu/hr	
		HSPF: 7.70	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	
		EF: 0.90	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Gl ss/Floor Area: 0.12

Total as-built points: 23937
Total base points: 26555

PASS

I her by certify th t the plans and specifications covered by this alculation ar in compliance with the Florida Energy Cod

PRI PARED BY: _____

DA E: 7-9-07

I her by certify th t this building, as designed, is in compliance with he Florida E ergy Code.

OW NER/AGEI IT: _____

DA E: 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 Pr ominant glas type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025- PERMIT #:

	BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area		X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1665.0	18.59	5571.0		1.Single, Clear	W	1.5	9.0	45.0	43.84	0.97	1914.0
					2.Single, Clear	W	1.5	9.0	16.7	43.84	0.97	709.0
					3.Single, Clear	W	1.5	9.0	9.0	43.84	0.97	382.0
					4.Single, Clear	W	1.5	9.0	16.0	43.84	0.97	680.0
					5.Single, Clear	W	1.5	9.0	6.0	43.84	0.97	255.0
					6.Single, Clear	N	1.5	9.0	30.0	21.73	0.98	635.0
					7.Single, Clear	E	7.5	10.0	30.0	47.92	0.59	852.0
					8.Single, Clear	E	1.5	9.0	30.0	47.92	0.97	1394.0
					9.Single, Clear	S	1.5	9.0	2.7	40.81	0.94	102.0
					10.Single, Clear	S	1.5	9.0	15.0	40.81	0.94	577.0
					As-Built Total:				200.3			7500.0
WALL TYPES		Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent		288.0	0.70	201.6	1. Frame, Wood, Exterior			13.0	1381.7	1.50		2072.5
Exterior		1381.7	1.70	2348.9	2. Frame, Wood, Adjacent			13.0	288.0	0.60		172.8
Base Total:		1669.7		2550.5	As-Built Total:				1669.7			2245.3
DOOR TYPES		Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent		18.0	2.40	43.2	1.Adjacent Insulated				18.0	1.60		28.8
Exterior		20.0	6.10	122.0	2.Exterior Insulated				20.0	4.10		82.0
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		1655.0	1.73	2863.2	1. Under Attic			30.0	1725.0	1.73 X 1.00		2984.3
Base Total:		1655.0		2863.2	As-Built Total:				1725.0			2984.3
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
INFILTRATION		Area X	BSPM =	Points					Area X	SPM =		Points
		1665.0	10.21	16999.7					1665.0	10.21		16999.7

SUMMER CALCULATIONS

Resi dential Whole Building Performance Method A - Details

A DRESS: L ot: 10, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025- PERMIT #:

BASE			AS-BUILT					
Sur mer Bas e Points: 20453.5			**Summer As-Built Points:**					**22310.5**
Total Summer Points	System Multiplier	Cooling Points	Total Component (System - Points)	Cap Ratio	Duct Multiplier (DM x DSM x AHU)	System Multiplier	Credit Multiplier	Cooling Points
			(sys 1: Central Unit 35000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
			22310	1.00	(1.09 x 1.000 x 1.00)	0.260	0.950	6006.6
2)453.5	**0.3250**	**6647.4**	**22310.5**	**1.00**	**1.090**	**0.260**	**0.950**	**6006.6**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025- PERMIT #:

BASE					AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area		X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM	X WOF	= Points
.18	1665.0	20.17	6045.0		1.Single, Clear	W	1.5	9.0	45.0	28.84	1.01	1308.0
					2.Single, Clear	W	1.5	9.0	16.7	28.84	1.01	484.0
					3.Single, Clear	W	1.5	9.0	9.0	28.84	1.01	261.0
					4.Single, Clear	W	1.5	9.0	16.0	28.84	1.01	465.0
					5.Single, Clear	W	1.5	9.0	6.0	28.84	1.01	174.0
					6.Single, Clear	N	1.5	9.0	30.0	33.22	1.00	997.0
					7.Single, Clear	E	7.5	10.0	30.0	26.41	1.21	959.0
					8.Single, Clear	E	1.5	9.0	30.0	26.41	1.02	804.0
					9.Single, Clear	S	1.5	9.0	2.7	20.24	1.02	55.0
					10.Single, Clear	S	1.5	9.0	15.0	20.24	1.02	310.0
					As-Built Total:				200.3			5817.0

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	288.0	3.60	1036.8	1. Frame, Wood, Exterior	13.0	1381.7	3.40	4697.8
Exterior	1381.7	3.70	5112.3	2. Frame, Wood, Adjacent	13.0	288.0	3.30	950.4
Base Total:	1669.7		6149.1	As-Built Total:		1669.7		5648.2

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	18.0	11.50	207.0	1.Adjacent Insulated	18.0	8.00	144.0
Exterior	20.0	12.30	246.0	2.Exterior Insulated	20.0	8.40	168.0
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	1655.0	2.05	3392.8	1. Under Attic	30.0	1725.0	2.05 X 1.00	3536.3
Base Total:	1655.0		3392.8	As-Built Total:		1725.0		3536.3

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

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	1665.0	-0.59	-982.3		1665.0	-0.59	-982.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025- PERMIT #:

	BASE			AS-BUILT						
Winter Base Points:			**16908.7**	**Winter As-Built Points:**						**15911.9**
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
				(sys 1: Electric Heat Pump 35000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
				15911.9	1.000	(1.069 x 1.000 x 1.00)	0.443	0.950	7156.3	
6908.7		**0.5540**	**9367.4**	**15911.9**	**1.00**	**1.069**	**0.443**	**0.950**	**7156.3**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025- PERMIT #:

	BASE			AS-BUILT						
WATER HEATING	Number of Bedrooms	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
	4	2635.00	10540.0	50.0	0.90	4	1.00	2693.56	1.00	10774.2
				As-Built Total:						10774.2

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
6 47	9367	10540	26555	6007	7156	10774	23937

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, 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 cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.2

The higher the score, the more efficient the home.

Spec House, Lot: 10, Sub: Hunnington S/D, Plat: , Lake City, FL, 32025-

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	4	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	1665 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Sngle Default) 200.3 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 200.3 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=5.0, 208.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1381.7 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 288.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 1725.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts(Leak Free)		
a.	Sup: Unc. Ret Unc. AH: Garage	Sup. R=6.0, 50.0 ft	
b.	N/A		
12.	Cooling systems		
a.	Central Unit	Cap: 35.0 kBtu/hr SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 35.0 kBtu/hr HSPF: 7.70	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons EF: 0.90	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

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.

Energy Code Compliance

Duct System Performance Report

Pro ıct Name:	Prudential Builders - Auburn	Builder:	Prudential Builders
Adc ess:		Permitting Office:	
City State:	Lake City, FL 32025-	Permit Number:	
Ow er:	Spec House	Jurisdiction Number:	
Clir ate 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) ☐ Receive credit if Q_n,tot≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q_n,out) ☐ Receive credit if Q_n,out≤ 0.03 AND Q_n,tot≤ 0.09

I he eby certify hat the above duct testing performance res ts demonst ate compliance with the Florida Energy Coc e requireme nts in accordance with Section 610.1.A.1, Flo da Building Code, Building Volume, Chapter 13 for ak free duc t system credit.

Sig nature: _____

Pri ted Nam e: _____

Flo ida Rate Certification #: _____

DA E: _____

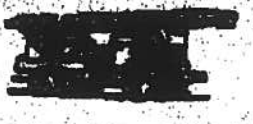
Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: http://energygauge.com/search.htp

BUILDING OFFICIAL: _____

DATE: _____

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-
FAX (904) 755-70
LAKE CITY FLORIDA
904 NW Main Blvd

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram 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

0703-18

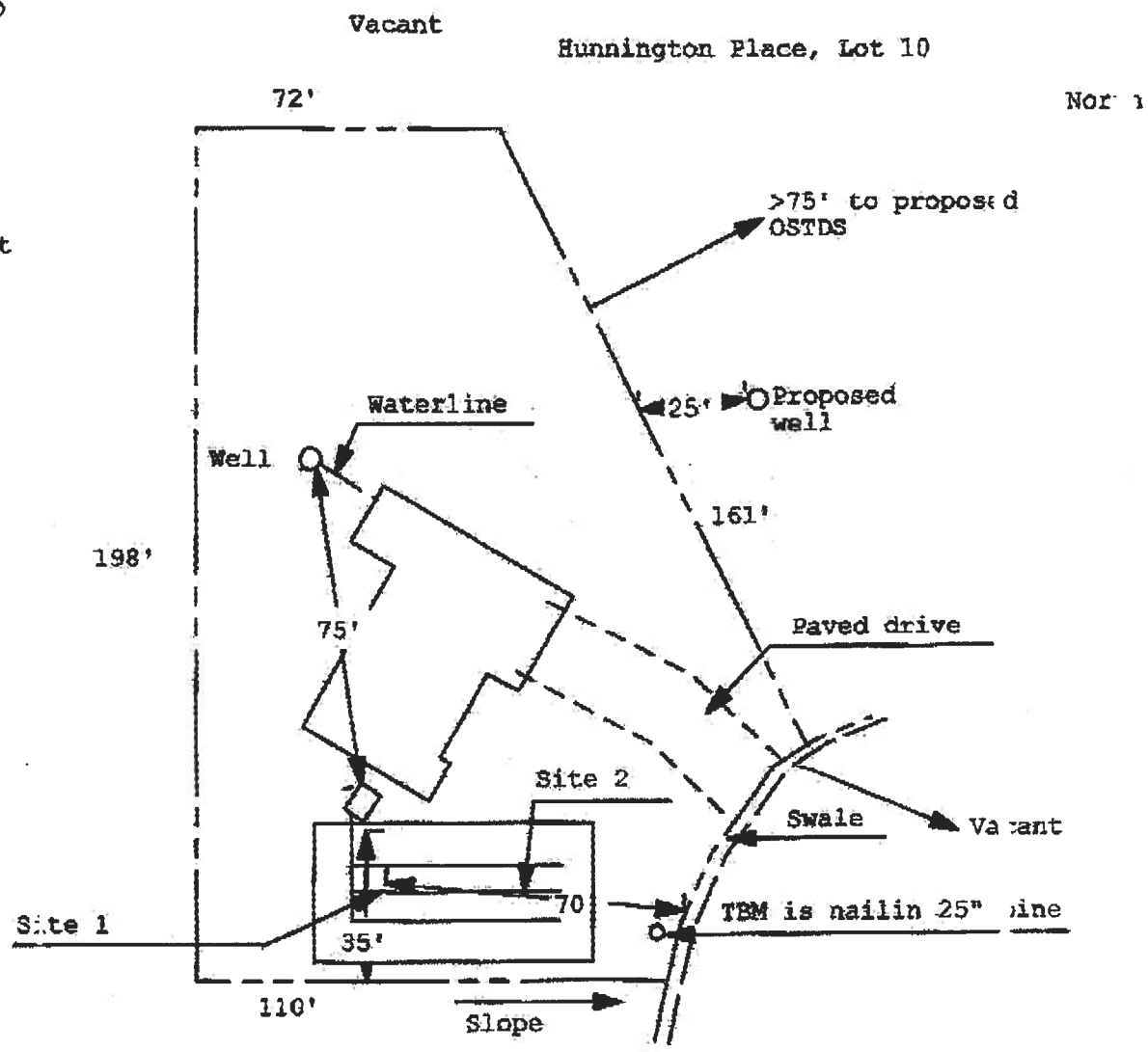
Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 07-0605

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PRUDENTIAL BLDRS/CR 07-4066

Lot 10



1 inch = 4 feet

Site Plan Submitted By Paul Lloyd **Date** 7/23/07

Plan Approved ✓ **Not Approved** ____ **Date** 8/6/07

By Mr Orr Columbia **CPHI**

Notes:

COLUMBIA COUNTY BUILDING DEPARTMENT

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

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

Floor Plan including:

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

Foundation Plan including:

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

Roof System:

- ☐ ☐ a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☐ ☐ b) Conventional Framing Layout including:
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

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

☐ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

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

Floor Framing System:

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

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

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

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

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

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

☐ ☐ f) Appliances and HVAC equipment

HVAC information

☐ ☐ a) Manual J sizing equipment or equivalent computation

☐ ☐ b) Exhaust fans in bathroom

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

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

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

FLORIDA DEPARTMENT OF
Community Affairs

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval
USER: Public User

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
Address/Phone/Email	PO Box 1404 Joplin, MO 64802 (800) 641-4691 fred_oconnor@tamko.com

Quality Assurance Representative Address/Phone/Email	
Category	Roofing
Subcategory	Asphalt Shingles
Compliance Method	Certification Mark or Listing
Certification Agency	Underwriters Laboratories Inc.

Referenced Standard and Year (of Standard)	**Standard**	**Year**
	ASTM D 3462	2001

Equivalence of Product Standards Certified By	
Product Approval Method	Method 1 Option A
Date Submitted	06/09/2005
Date Validated	06/20/2005
Date Pending FBC Approval	06/25/2005
Date Approved	06/29/2005

Summary of Products

FL #	Model, Number or Name	Description

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

Back Next

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

Product Approval Accepts:

5

Underwriters Laboratories Inc.

Northbrook Division
333 Pfingsten Road
Northbrook, IL 60062-2096 USA
www.ul.com
tel: 1 847 272 8800

June 17, 2005

Tamko 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

4

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

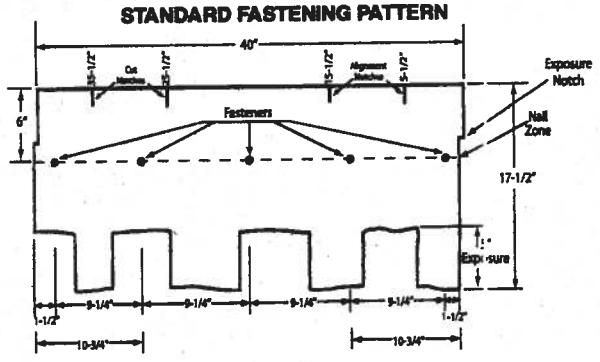
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede 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).

STANDARD FASTENING PATTERN



2) Mansard or Steep Slope Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) Use standard nailing 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.

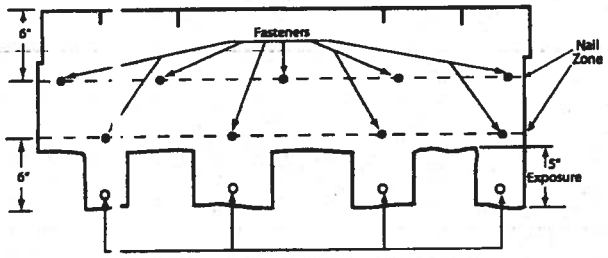
(Continued)

(CONTINUED from Pg. 1)

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

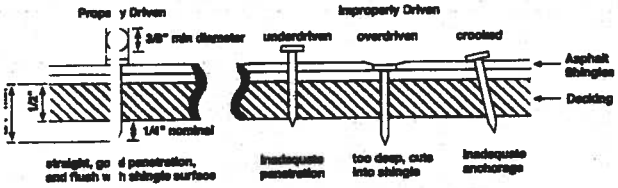
Each shingle tab must be sealed underneath with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a $.25 piece and applied to shingles with a 5 in. exposure, use 9 fasteners per shingle.

MANSARD FASTENING PATTERN



Apply under each tab 1" diameter asphalt adhesive cement.

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.

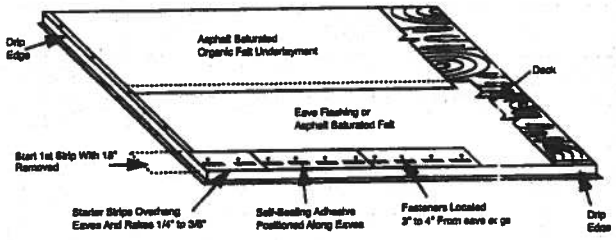
Products which are acceptable for use as underlayment are:

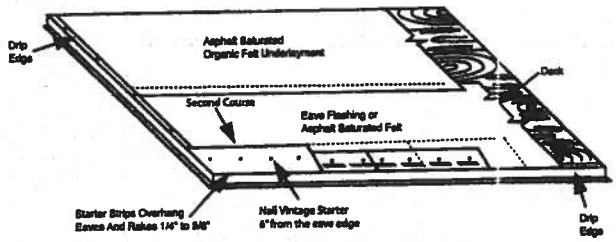
- TAMKO No. 15 Asphalt Saturated Organic Felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or ASTM D4869, Type I
- Any TAMKO non-perforated asphalt saturated organic felt
- TAMKO TW Metal and Tile Underlayment, TW Underlayment and Moisture Guard Plus® (additional ventilation 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 Shingles.
The first starter course may consist of TAMKO Shingle Starter, three tab self-sealing type shingles or a 9 inch wide strip of mineral surface 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 shingles or 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 Vintage 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

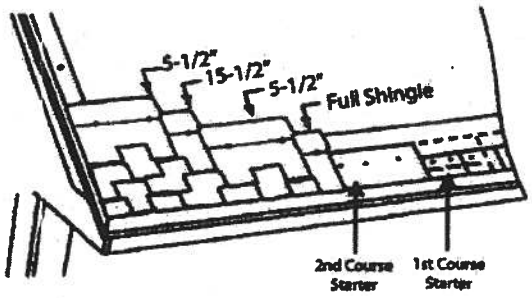
(Continued)

(CONTINUED from Pg. 2)

TAMKO BUILDING PRODUCTS

• 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 shingles.

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)

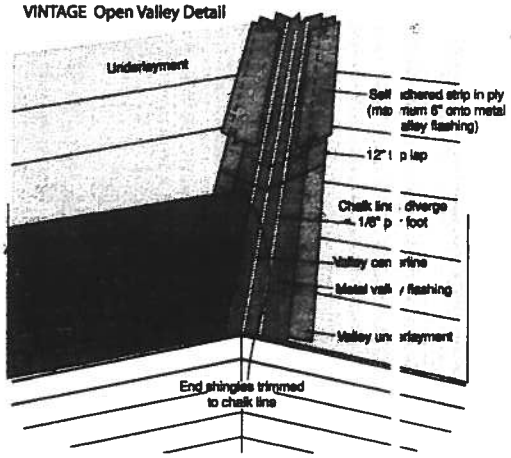
- Snap two chalk lines, one on each side of the valley centerline over the full length of the valley flashing. Locate the upper ends of the chalk lines 3" to either side of the valley centerline.
- The lower end should diverge from each other by 1/8" per foot. Thus, for an 8' long valley, the chalk lines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

TAMKO BUILDING PRODUCTS

(CONTINUED from Pg. 3)

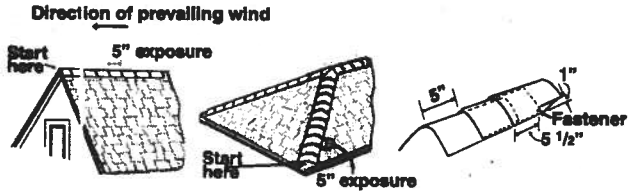
• HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

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.

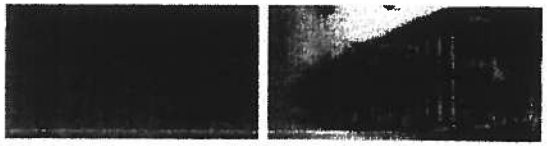
Fasteners should be 1/4 in. longer than the ones used for shingles.

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.

FLORIDA DEPARTMENT OF
Community Affairs



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- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval
USER: Public User

Product Approval Menu > Product or Application Search > Application List > **Application Detail**

FL #	FL5108
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	MI Windows and Doors
Address/Phone/Email	650 W Market St Gratz, PA 17030 (717) 365-3300 ext 2101 surich@miwd.com
Authorized Signature	Steven Urich surich@miwd.com
Technical Representative	
Address/Phone/Email	
Quality Assurance Representative	
Address/Phone/Email	

Windows

A L I

Validator / Operations 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.
AAMA/WDMA 101/I.S. 2-97 H-R55*-38x82					
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		
			FRAME	SASH	
MI Windows & Doors, Inc. (Oldsmar, FL) MI Windows & Doors, Inc. (Smyrna, TN)	MTL-8 MTL-9	185/3185 SH (Fin) (AL)(O)(O)(DG) (ASTM)	3'0" x 5'2"	2'10" x 2'7"	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 ALI IMMEDIATELY IF DATA, AS SHOWN, NEEDS CORRECTION.

Validated for Certification:

Associated Laboratories, Inc.

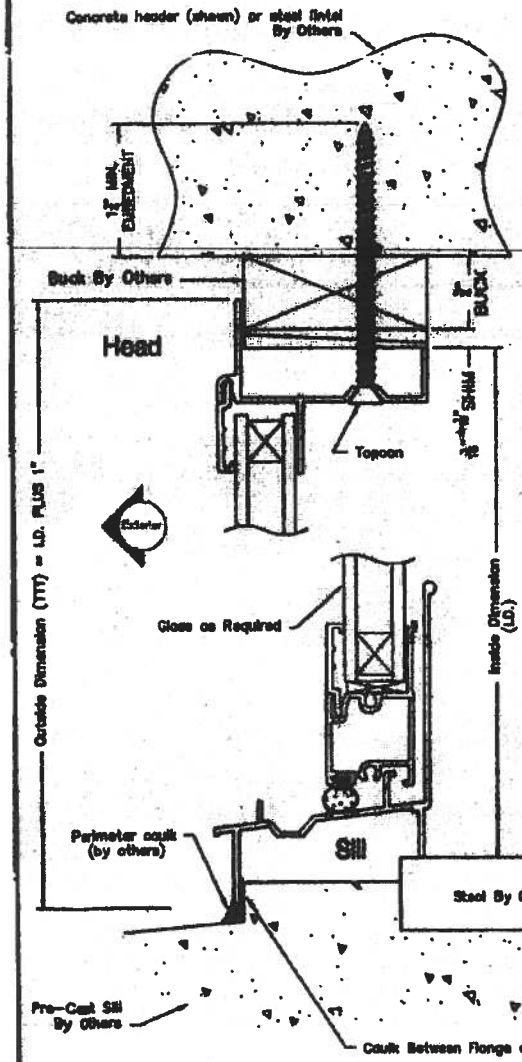
Date: August 1, 2005

Authorized for Certification:

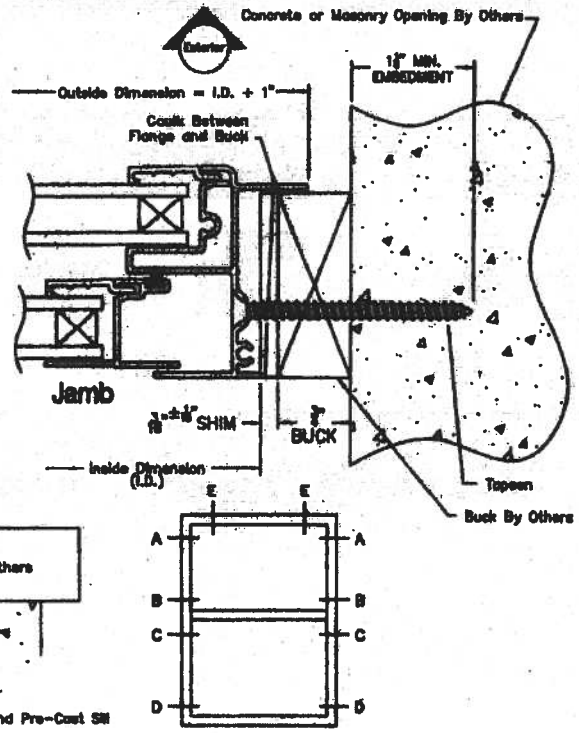
American Architectural Manufacturers Association

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

"ONE BY" (3/4") BUCKS (SHOWN)



1. Before installation, caulk back of flange, or face of buck.
2. 3/16" dia. masonry Tapcon must be of a length to have 1 1/4" embedment into masonry or concrete.
3. Shim as required with load bearing shims at each installation anchor as shown.
4. All factory applied holes not designated for Tapcon anchor should be filled with #10 screws of sufficient length to provide min. 5/8" embedment into wood buck.
5. Letter designations on the Tapcon 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 twins & triples, use the same fastener schedule for each unit in the main frame except ignore the intermediate jamb.



"TWO BY" (1 1/2") BUCKS

"TWO BY" 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.

HOME PRODUCTS
BetterBilt / Capitol

* TAPCON LOCATION CHART

CODE SIZE	WINDOW ID SIZE	FASTENER LOCATIONS UP TO DP35	DP35.1 TO DP55	DP55.1 TO DP80.3
12	18 1/8 x 25	A, D & E	A, D & E	A, D & E
13	18 1/8 x 37 3/8	A, D & E	A, D & E	A, D & E
14	18 1/8 x 49 5/8	A, D & E	A, D & E	A, D & E
15	18 1/8 x 62	A, D & E	A, D & E	A, D & E
16	18 1/8 x 71	A, D & E	A, D & E	A, D & E
17	18 1/8 x 83	A, D & E	A, D & E	A, D & E
1/2 32	25 1/2 x 25	A, D & E	A, D & E	A, D & E
1/2 33	25 1/2 x 37 3/8	A, D & E	A, D & E	A, D & E
1/2 34	25 1/2 x 49 5/8	A, D & E	A, D & E	A, D & E
1/2 35	25 1/2 x 62	A, D & E	A, D & E	A, D & E
1/2 36	25 1/2 x 71	A, D & E	A, D & E	A, D & E
1/2 37	25 1/2 x 83	A, D & E	A, D & E	A, C, D & E
32	36 x 25	A, D & E	A, D & E	A, D & E
33	36 x 37 3/8	A, D & E	A, D & E	A, D & E
34	36 x 49 5/8	A, D & E	A, D & E	A, D & E
35	36 x 62	A, D & E	A, D & E	A, D & E
36	36 x 71	A, D & E	A, D & E	A, C, D & E
37	36 x 83	A, D & E	A, C, D & E	A, C, D & E
32	52 1/8 x 25	A, D & E	A, D & E	A, D & E
33	52 1/8 x 37 3/8	A, D & E	A, D & E	A, D & E
34	52 1/8 x 49 5/8	A, D & E	A, D & E	A, D & E
35	52 1/8 x 62	A, D & E	A, C, D & E	A, C, D & E
36	52 1/8 x 71	A, D & E	A, C, D & E	A, B, C, D & E
37	52 1/8 x 83	A, D & E	A, C, D & E	A, B, C, D & E
2040	23 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
2050	23 3/8 x 59 5/8	A, D & E	A, D & E	A, D & E
2060	23 3/8 x 71 5/8	A, D & E	A, D & E	A, D & E
2070	23 3/8 x 83 5/8	A, D & E	A, D & E	A, D & E
3040	35 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
3050	35 3/8 x 59 5/8	A, D & E	A, D & E	A, D & E
3060	35 3/8 x 71 5/8	A, D & E	A, D & E	A, C, D & E
3070	35 3/8 x 83 5/8	A, D & E	A, C, D & E	A, C, D & E
4040	47 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
4050	47 3/8 x 59 5/8	A, D & E	A, D & E	A, C, D & E
4060	47 3/8 x 71 5/8	A, D & E	A, C, D & E	A, C, D & E
4070	47 3/8 x 83 5/8	A, D & E	A, C, D & E	A, B, C, D & E
4460	51 3/8 x 59 5/8	A, D & E	A, D & E	A, C, D & E
4460	51 3/8 x 71 5/8	A, D & E	A, C, D & E	A, B, C, D & E
4470	51 3/8 x 83 5/8	A, D & E	A, C, D & E	A, B, C, D & E

MI HOME PRODUCTS
GRATZ, PA

3185/3185 SINGLE HUNG FLANGE FRAME
INSTALLATION DETAILS & FASTENER SCHEDULE

DRL | 09/15/04

N.T.S. | MIHP0059

A | 1 OF 1

*"TAPCON" TYPE HARDENED MASONRY SCREWS INCLUDE TAPCON, RAWL, & SIMPSON

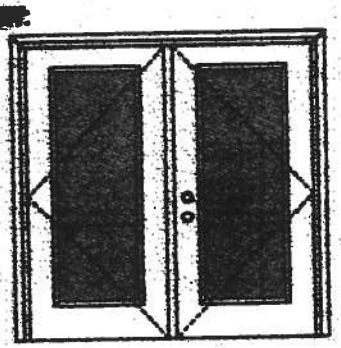
A	REMOVED SILL INSTALLATION ANCHOR SCREWS	3/15/04	DRL

XX
Glazed Outswing Unit

[redacted]

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

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

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

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

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

1/4 GLASS:

1/2 GLASS:

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

[redacted]

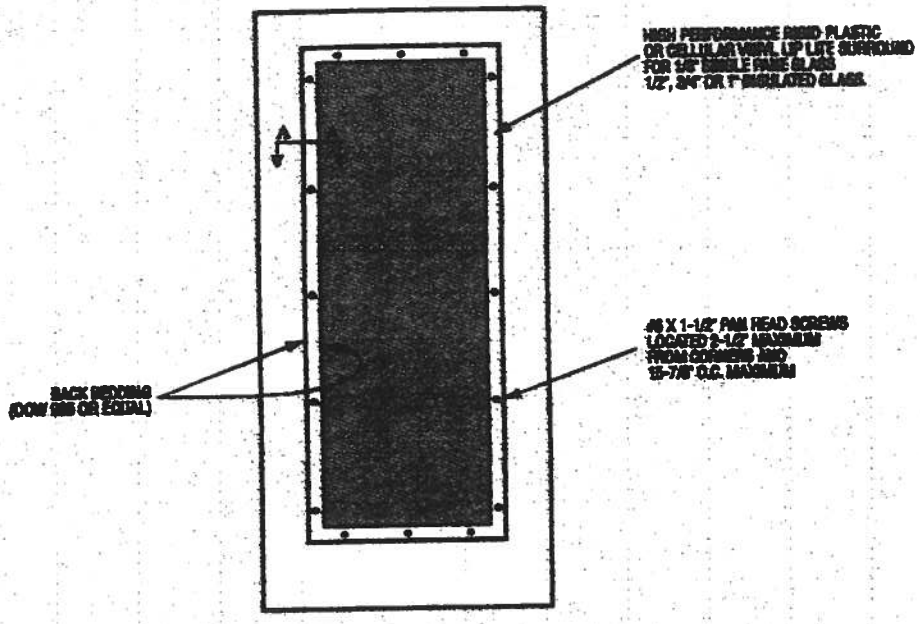
Jeldwen
Window & Door Systems

March 29, 2 [illegible]
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

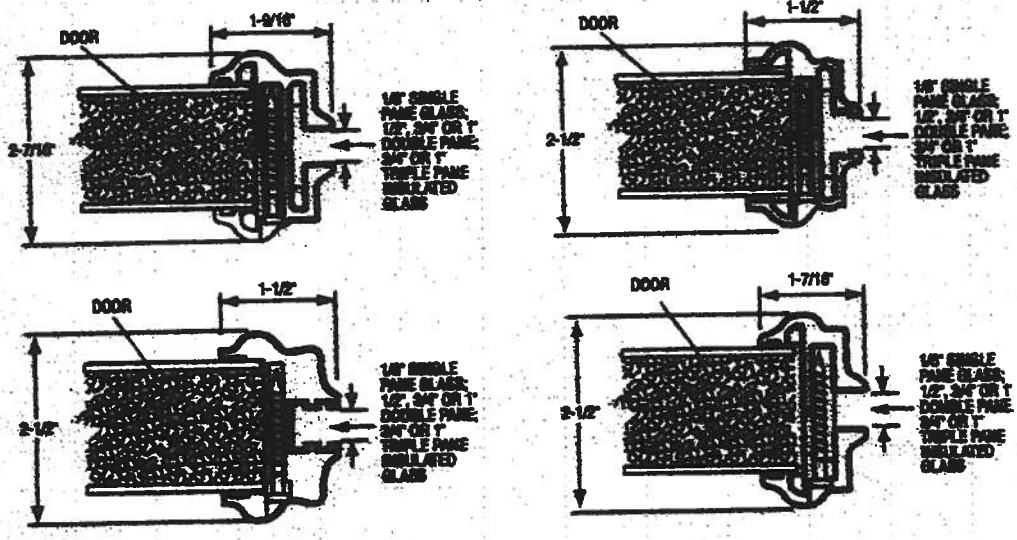
PREMDOR
Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



XX
Glazed Outswing Unit

[redacted]

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:
3/4 GLASS:

FULL GLASS:

CERTIFIED TEST REPORTS:

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

Certifying Engineer and License Number: Barry D. 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 and rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

Jeld-Wen

March 23 2002
Our continuing program of product improvement makes specifications, design and product availability subject to change without notice.

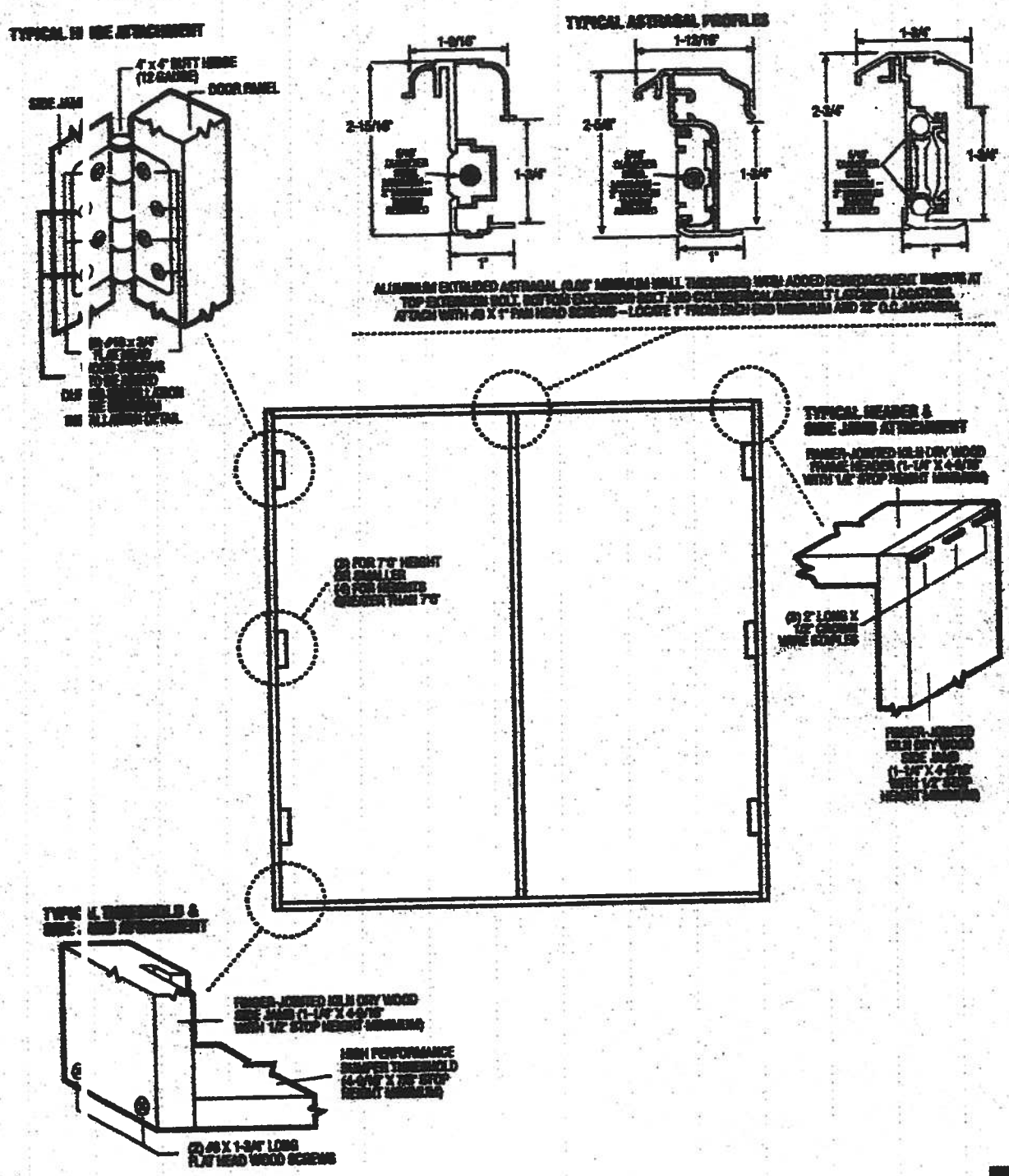
FRENDOR

Exclusively from Masonite

Masonite International Corporation

XX
Unit

OUTSWING UNITS WITH DOUBLE DOOR

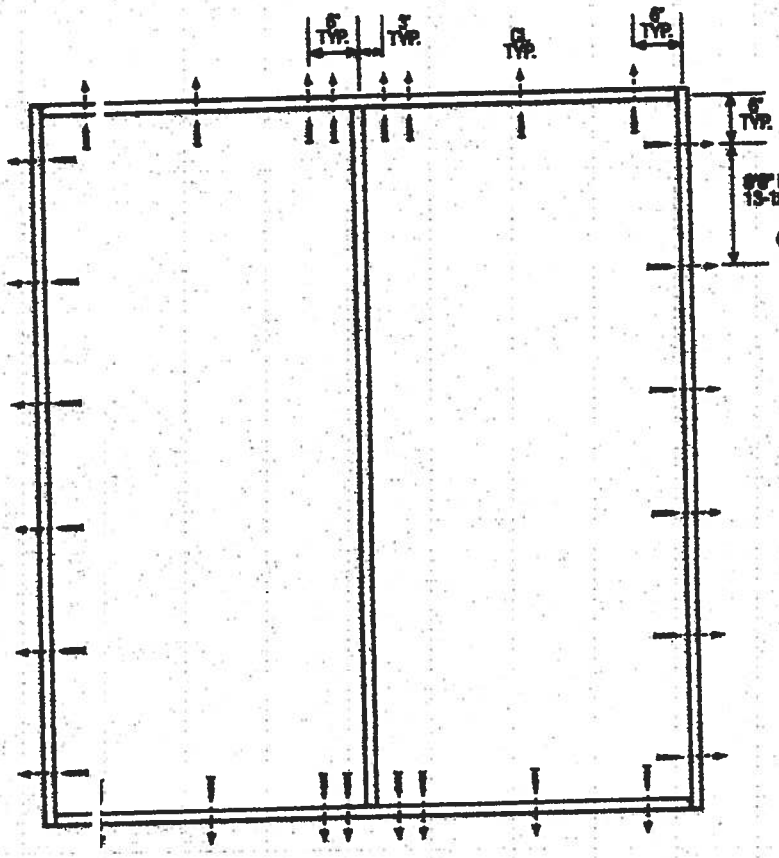


Masonite International Corporation

XX
Unit

[redacted]

DOUBLE DOOR



[redacted]

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

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

Latching Hardware:

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

Notes:

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

[redacted]

PREMDOR Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

[redacted]

FLORIDA BUILDING CODE

Overview | User Registration | Organization Registration | User Association | Organization Search | Organization Accreditation

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

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Cancel Search

Result List for Organizations

Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6308593000	Product Manufacturer	01/01/2099	Approved
Org Code: PDM System ID: 3585			Site Link: www.gadoor.com			

Displaying 1-1 of 1

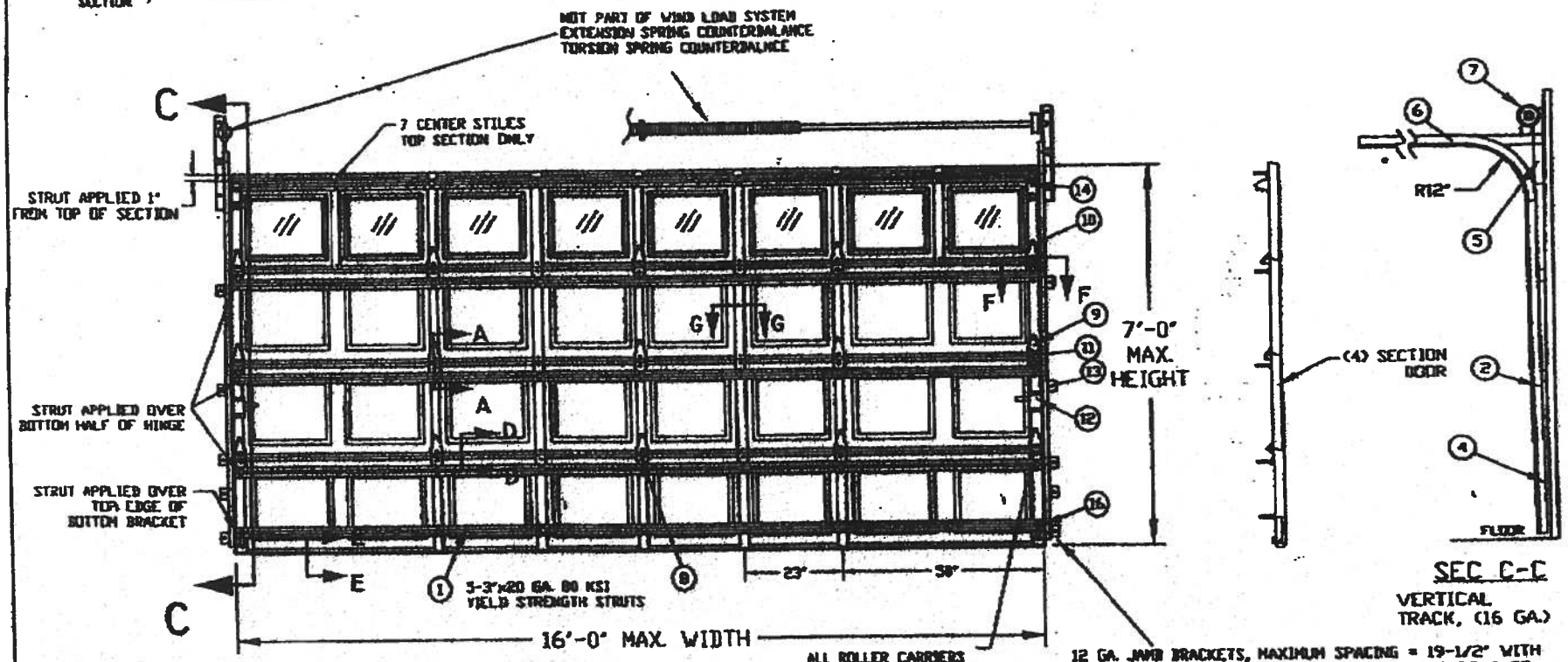
[redacted]

6/21/2004

REV.	DATE	BY	DESCRIPTION
A-A	11-19-00	GW	SEE PAGE #1

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21"
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION. (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION
5. MINIMUM LENGTH OF ROLLER STEM IS 5½" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR 2 AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL



INSIDE ELEVATION

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

This seal on this drawing only certifies that the product(s) illustrated and described herein represent the minimum dimensions and configuration(s) tested.

NORTH CAROLINA PROFESSIONAL SEAL PE No. 24280 KEVIN VAN ZANDT

LISTED [redacted]
REPORT No. 2202

TEST REPORTS ON FILE: VIDEO 10/19/00 000933

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

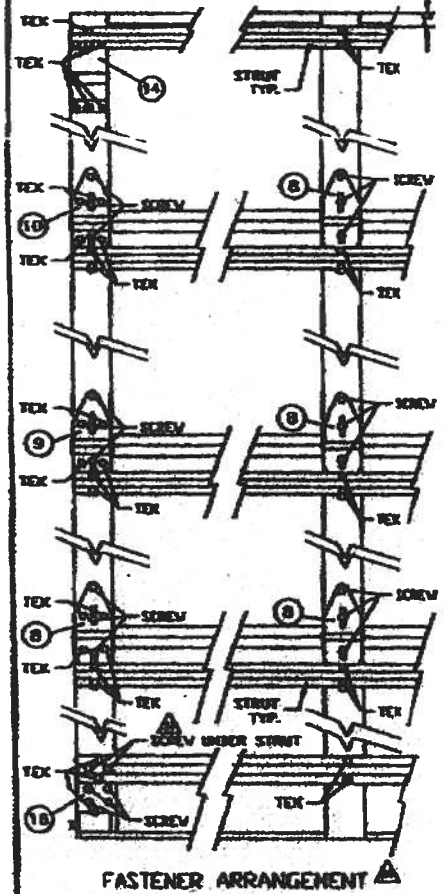
GADCO DOORS
SERIES 7480, EXTERIOR STEEL =.017 MIN (AS TESTED) A
SERIES 7524, EXTERIOR STEEL =.024" MIN A
(TESTED WITH VENTS)

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	STRUTS 80 KSI QTY.	VERTICAL TRACK

GADCO
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: 1/2"	APPROVED BY:	DRAWN BY: B. WIEDMAN
DATE: 10-20-00		REVISED: (A) 11-19-00

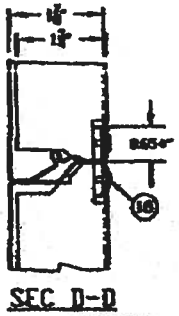
DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR -WINDLOAD ±20 PSF



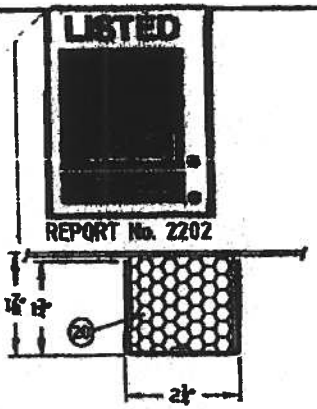
FASTENER ARRANGEMENT

LISTED

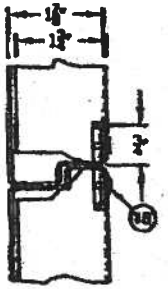
REPORT No. 2202



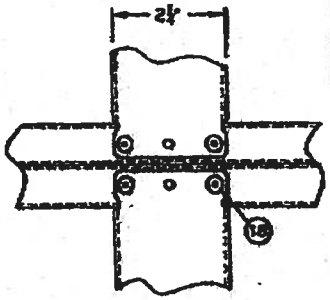
SEC D-D
PAN ATTACHMENT TO STILE (OPTIONAL)



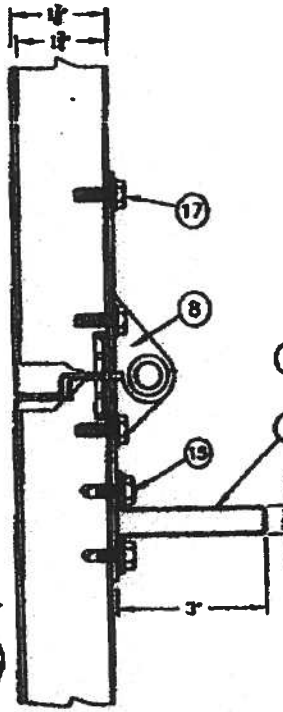
SEC G-G
CENTER STILE
20 GA. GALVANIZED



SEC D-D
PAN ATTACHMENT TO STILE (AS TESTED)



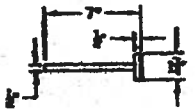
PAN ATTACHMENT TO STILE



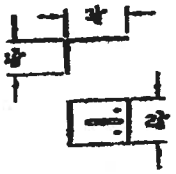
SEC A-A

TRACK
16 GA. (.055 MIN.)

(12) SIDE LOCK

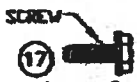


(11) ROLLER W/ BALLS



(4) 86 JAMB BRACKET

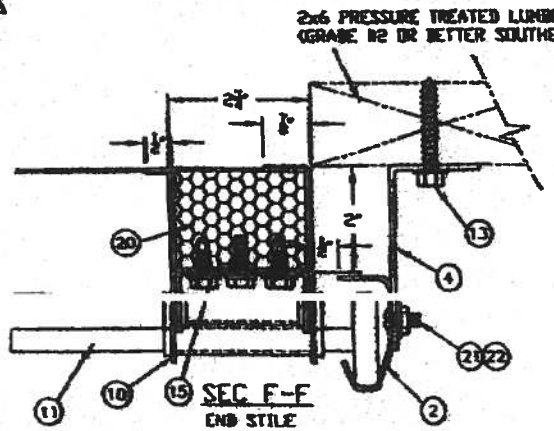
3-3"x20 GA. 80 KSI YIELD STRENGTH ROMED STRUT APPLIED WITH 2 TEX SCREWS PER HINGE OR STILE LOCATION (14 PER STRUT, MINIMUM)



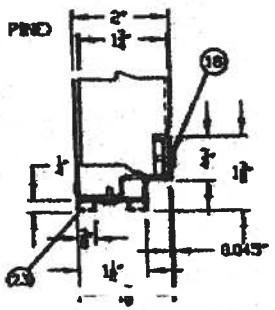
(17) 1-20 x ¾ HEX WASHERHEAD SCREW

(15) 1-20 x ¾ HWH TEX SCREW WITH #2 REDUCED POINT

2x6 PRESSURE TREATED LUMBER (GRADE #2 OR BETTER SOUTHERN PINE)



SEC F-F
END STILE



SEC E-E

22	TEX	#14 X 1" HWH TEK SCREW
21	TEX	#14 X 3/4" HWH TEK SCREW
20		2"x2"x.043" ALUM. ANGLE
19		2"x2"x.043" ALUM. ANGLE
18		2"x2"x.043" ALUM. ANGLE
17	SCREW	1-20 X ¾" HEX WASHERHEAD SCREW
16		1"x1"x.043" ALUM. ANGLE
15	TEX	#14 X 1" HWH TEK SCREW
14	TEX	#14 X 3/4" HWH TEK SCREW
13		2"x2"x.043" ALUM. ANGLE
12		SIDE LOCK
11		ROLLER W/ BALLS
10		2"x2"x.043" ALUM. ANGLE
9		2"x2"x.043" ALUM. ANGLE
8		2"x2"x.043" ALUM. ANGLE
7		2"x2"x.043" ALUM. ANGLE
6		2"x2"x.043" ALUM. ANGLE
5		2"x2"x.043" ALUM. ANGLE
4		2"x2"x.043" ALUM. ANGLE
3		2"x2"x.043" ALUM. ANGLE
2		2"x2"x.043" ALUM. ANGLE
1		2"x2"x.043" ALUM. ANGLE
ITEM/PART NO.		DESCRIPTION

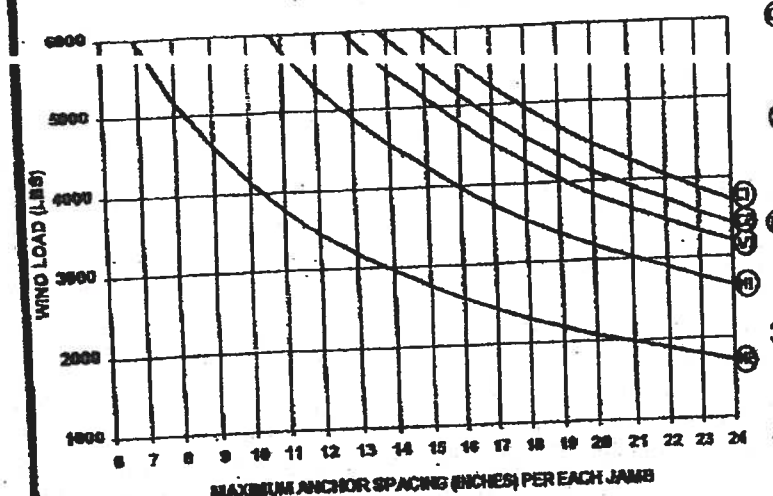
NORTH AMERICAN DOOR COMPANY
7038 BASELINE, ROAD
MONTGOMERY, IL 60538

SCALE: NONE	APPROVED BY:	DRAWN BY: B. VIEHMAN
DWG 11-7-00		REVISED: CD 12-8-00

DESCRIPTION:
16' X 7' MAX. RAISED PANEL STEEL DOOR-WINDLOAD 120 PSF

PAGE 2 OF 2 | W13008-C

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



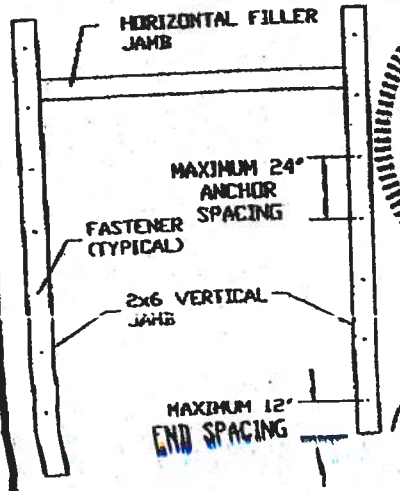
DESIGN LOAD (LBS)/FT² X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

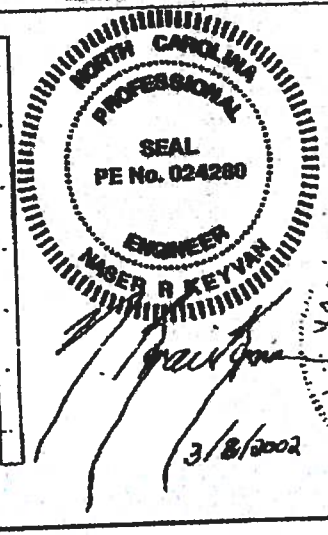
EXAMPLE

30 LBS/FT² X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

(I) USE 22" SPACING
(II) USE 21" SPACING
(V) USE 19" SPACING
(III) USE 16" SPACING
(IV) USE 10" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS





2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

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

NOTES:

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

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

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

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

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

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

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

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

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' 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.

GADCO
GENERAL AMERICAN DOOR COMPANY
3050 BASSETT MILL ROAD
MONTGOMERY, IL 60538

SCALE: NONE	APPROVED BY:	DRAWN BY: DV
DATE: 6-30-99		REVISED:

DESCRIPTION: JAMB TO STRUCTURE ATTACHMENT FOR VINYL LOADED GARAGE DOORS

DRAWING NUMBER: A10560

Residential System Sizing Calculation

Summary

Spe : House

Lak City, FL 3: 025-

Project Title:
Prudential Builders - Auburn

Code Only
Professional Version
Climate: North

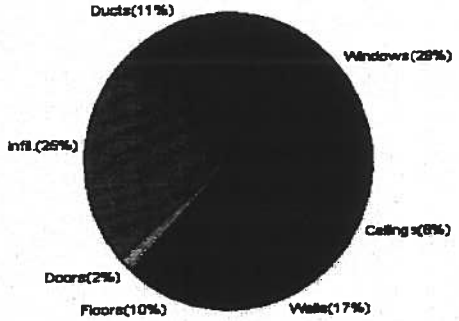
7/9/2007

Lo	ation for we	ather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Hu	nidity data:	Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
W	ter design	emperature	33 F	Summer design temperature	92 F
W	ter setpoin		70 F	Summer setpoint	75 F
W	ter temper	ature difference	37 F	Summer temperature difference	17 F
Tc	**al heating**	**oad calculation**	**32593 Btuh**	**Total cooling load calculation**	**43709 Btuh**
Su	mitted hea	ing capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Tc	al (Electric	leat Pump)	107.4 35000	Sensible (SHR = 0.75)	74.5 26250
He	t Pump + A	uxiliary(0.0kW)	107.4 35000	Latent	103.5 8750
				Total (Electric Heat Pump)	80.1 35000

WINTER CALCULATIONS

W ter Heating oad (for 1665 sqft)

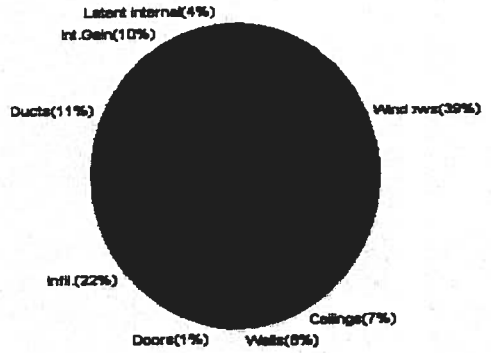
Lc	d componer t			Load	
W	dow total	200	sqft	9414	Btuh
W	l total	1670	sqft	5483	Btuh
D	r total	38	sqft	492	Btuh
C	ing total	1725	sqft	2033	Btuh
Fl	r total	208	sqft	3402	Btuh
In	tration	199	cfm	8045	Btuh
D	t loss			3725	Btuh
S	**total**			**32593**	**Btuh**
V	tilation	0	cfm	0	Btuh
T	**TAL HEAT L OSS**			**32593**	**Btuh**



SUMMER CALCULATIONS

S nmer Coolin g Load (for 1665 sqft)

Lc	d compone t			Load	
W	dow total	200	sqft	16862	Btuh
W	ll total	1670	sqft	3317	Btuh
D	r total	38	sqft	372	Btuh
C	ling total	1725	sqft	2857	Btuh
F	or total			0	Btuh
Ir	ltration	174	cfm	3234	Btuh
Ir	ernal gain			4240	Btuh
D	ct gain			4372	Btuh
S	ns. Ventilati n	0	cfm	0	Btuh
T	**tal sensible gain**			**35254**	**Btuh**
L	ent gain(du ts)			504	Btuh
L	ent gain(infi tration)			6351	Btuh
L	ent gain(ve tilation)			0	Btuh
L	ent gain(int rnal/occupants/other)			1600	Btuh
T	**tal latent ga in**			**8454**	**Btuh**
T	**TAL HEAT GAIN**			**43709**	**Btuh**



EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 7-9-07

Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Sp: : House | Project Title: Prudential Builders - Auburn | Code Only Professional Version

Lal : City, FL 3 2025- | Climate North

Re rence City Gainesville (Defaults) Winter Temperature Difference: 37.0 F | 7/9/2007

	Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
	1	1, Clear, Metal, 1.27	W	45.0	47.0	2115 Btuh
	2	1, Clear, Metal, 1.27	W	16.7	47.0	783 Btuh
	3	1, Clear, Metal, 1.27	W	9.0	47.0	423 Btuh
	4	1, Clear, Metal, 1.27	W	16.0	47.0	752 Btuh
	5	1, Clear, Metal, 1.27	W	6.0	47.0	282 Btuh
	6	1, Clear, Metal, 1.27	N	30.0	47.0	1410 Btuh
	7	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
	8	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
	9	1, Clear, Metal, 1.27	S	2.7	47.0	125 Btuh
	10	1, Clear, Metal, 1.27	S	15.0	47.0	705 Btuh
		Window Total		200(sqft)		9414 Btuh
	Walls	Type	R-Value	Area X	HTM=	Load
	1	Frame - Wood - Ext(0.09)	13.0	1382	3.3	4538 Btuh
	2	Frame - Wood - Adj(0.09)	13.0	288	3.3	946 Btuh
		Wall Total		1670		5483 Btuh
	Doors	Type		Area X	HTM=	Load
	1	Insulated - Adjacent		18	12.9	233 Btuh
	2	Insulated - Exterior		20	12.9	259 Btuh
		Door Total		38		492Btuh
	Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
	1	Vented Attic/D/Shin	30.0	1725	1.2	2033 Btuh
		Ceiling Total		1725		2033Btuh
	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:	20824 Btuh
	nfiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=
		Natural	0.80	14895	1670	198.6
						8045 Btuh
	Ductload				(DLM of 0.129)	3725 Btuh
	ll Zones				**Sensible Subtotal All Zones**	**32593 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Sp: : House

Lal : City, FL 3 2025-

Project Title:
Prudential Builders - Auburn

Code Only
Professional Version
Climate North

7/9/2007

	Subtotal Sensible	32593 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	32593 Btuh

1	Electric He at Pump	#	35000 Btuh

Ke: Window type (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)

Ke: Floor size (pe rimeter(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

Sp : House
Project Title:
Prudential Builders - Auburn
Code Only
Professional Version
Climate North

Lal : City, FL 3 2025-

Re :rence City Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/9/2007

[redacted]

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	45.0	47.0	2115 Btuh
2	1, Clear, Metal, 1.27	W	16.7	47.0	783 Btuh
3	1, Clear, Metal, 1.27	W	9.0	47.0	423 Btuh
4	1, Clear, Metal, 1.27	W	16.0	47.0	752 Btuh
5	1, Clear, Metal, 1.27	W	6.0	47.0	282 Btuh
6	1, Clear, Metal, 1.27	N	30.0	47.0	1410 Btuh
7	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
8	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
9	1, Clear, Metal, 1.27	S	2.7	47.0	125 Btuh
10	1, Clear, Metal, 1.27	S	15.0	47.0	705 Btuh
	Window Total		200(sqft)		9414 Btuh

Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1382	3.3	4538 Btuh
2	Frame - Wood - Adj(0.09)	13.0	288	3.3	946 Btuh
	Wall Total		1670		5483 Btuh

Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		18	12.9	233 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		38		492Btuh

Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1725	1.2	2033 Btuh
	Ceiling Total		1725		2033Btuh

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:		20824 Btuh

nfiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.80	14895	1670	198.6	8045 Btuh

Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)	(DLM of 0.129)	3725 Btuh

Zone #1	**Sensible Zone Subtotal**	**32593 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Sp : House

Lal : City, FL 3 2025-

Project Title:
Prudential Builders - Auburn

Code Only
Professional Version
Climate North

7/9/2007

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	32593 Btuh 0 Btuh 32593 Btuh

Electric He at Pump	#	35000 Btuh

Ke Window type : (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)

Ke Floor size (p rimeter(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

Spe : House | Project Title: Prudential Builders - Auburn | Code Only Professional Version

Lak City, FL 3: 025- | Climate: North

Ref rence City: Gainesville (Defaults) | Summer Temperature Difference: 17.0 F | 7/9/2007

C [redacted] for Whole House

W	ndow	Type* Pn	SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
	1	1,	Clear, 1.27, None,N,N	W	1.5ft	9ft.	45.0	0.0	45.0	37	94	4232 Btuh
	2	1,	Clear, 1.27, None,N,N	W	1.5ft	9ft.	16.7	0.0	16.7	37	94	1568 Btuh
	3	1,	Clear, 1.27, None,N,N	W	1.5ft	9ft.	9.0	0.0	9.0	37	94	846 Btuh
	4	1,	Clear, 1.27, None,N,N	W	1.5ft	9ft.	16.0	0.0	16.0	37	94	1505 Btuh
	5	1,	Clear, 1.27, None,N,N	W	1.5ft	9ft.	6.0	0.0	6.0	37	94	564 Btuh
	6	1,	Clear, 1.27, None,N,N	N	1.5ft	9ft.	30.0	0.0	30.0	37	37	1124 Btuh
	7	1,	Clear, 1.27, None,N,N	E	7.5ft	10ft.	30.0	7.3	22.7	37	94	2405 Btuh
	8	1,	Clear, 1.27, None,N,N	E	1.5ft	9ft.	30.0	0.0	30.0	37	94	2821 Btuh
	9	1,	Clear, 1.27, None,N,N	S	1.5ft	9ft.	2.7	2.7	0.0	37	43	100 Btuh
	10	1,	Clear, 1.27, None,N,N	S	1.5ft	9ft.	15.0	15.0	0.0	37	43	562 Btuh
		Ex	ursion									1135 Btuh
		W	ndow Total				200 (sqft)					16862 Btuh

	Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
	1	Fr me - Wood - Ext	13.0/0.09	1381.7	2.1	2382 Btuh
	2	Fr me - Wood - Adj	13.0/0.09	288.0	1.5	435 Btuh
		W all Total		1670 (sqft)		3317 Btuh

	oors	Type	Area (sqft)	HTM	Load
	1	Ins ulated - Adjacent	18.0	9.8	176 Btuh
	2	Ins ulated - Exterior	20.0	9.8	196 Btuh
		D or Total	38 (sqft)		372 Btuh

C	ilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
	1	Ve ted Attic/DarkShingle	30.0	1725.0	1.7	2857 Btuh
		C iling Total		1725 (sqft)		2857 Btuh

	loors	Type	R-Value	Size	HTM	Load
	1	Sl b On Grade	5.0	208 (ft(p))	0.0	0 Btuh
		Fl or Total		208.0 (sqft)		0 Btuh

	Envelope Subtotal:		23408 Btuh

In	ltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
		SensibleNatural	0.70	14895	1670	198.6	3234 Btuh

I	ternal gain	Occupants	Btuh/occupant		Appliance	Load
		8	X 230	+	2400	4240 Btuh
			Sensible Envelope Load:			30882 Btuh
D	ct load		(DGM of 0.142)			4372 Btuh
			Sensible Load All Zones			**35254 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec : House

Lat : City, FL 3: :025-

Project Title:
Prudential Builders - Auburn

Code Only
Professional Version
Climate: North

7/9/2007

[illegible] TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**30882 Btuh**
	Sensible Duct Load	4372 Btuh
	Total Sensible Zone Loads	**35254 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**35254 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6351 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	504 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**8454 Btuh**
	TOTAL GAIN	**43709 Btuh**

[illegible]

Central Unit	#	35000 Btuh

*K : 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

Sp: : House | Project Title: Prudential Builders - Auburn | Code Only Professional Version Climate North

Lal : City, FL 3 2025-

Re erence City Gainesville (Defaults) Summer Temperature Difference: 17.0 F 7/9/2007

[redacted] Basis for Zone #1: Main

		Type*		Overhang		Window Area(sqft)			HTM		Load
W	indow	Pr 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.	45.0	0.0	45.0	37	94	4232 Btuh
	2	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	16.7	0.0	16.7	37	94	1568 Btuh
	3	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	9.0	0.0	9.0	37	94	846 Btuh
	4	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	16.0	0.0	16.0	37	94	1505 Btuh
	5	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	6.0	0.0	6.0	37	94	564 Btuh
	6	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	30.0	0.0	30.0	37	37	1124 Btuh
	7	1, Clear, 1.27, None,N,N	E	7.5ft	10ft.	30.0	7.3	22.7	37	94	2405 Btuh
	8	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	30.0	0.0	30.0	37	94	2821 Btuh
	9	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	2.7	2.7	0.0	37	43	100 Btuh
	10	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	15.0	15.0	0.0	37	43	562 Btuh
		W indow Total				200 (sqft)					15727 Btuh

	Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
	1	Fr me - Wood - Ext	13.0/0.09	1381.7	2.1	2882 Btuh
	2	Fr me - Wood - Adj	13.0/0.09	288.0	1.5	435 Btuh
		W all Total		1670 (sqft)		3317 Btuh

	loors	Type	Area (sqft)	HTM	Load
	1	In ulated - Adjacent	18.0	9.8	176 Btuh
	2	In ulated - Exterior	20.0	9.8	196 Btuh
		D oor Total	38 (sqft)		372 Btuh

	ilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
	1	V nted Attic/DarkShingle	30.0	1725.0	1.7	2857 Btuh
		C iling Total		1725 (sqft)		2857 Btuh

	loors	Type	R-Value	Size	HTM	Load
	1	S ab On Grade	5.0	208 (ft(p))	0.0	0 Btuh
		F oor Total		208.0 (sqft)		0 Btuh

		Zone Envelope Subtotal:	22273 Btuh

Ir	iltration	Type	ACH	Volume(cuft) wall area(sqft)	CFM=	Load
		SensibleNatural	0.70	14895 1670	173.8	3234 Btuh
	ternal gain		Occupants	Btuh/occupant	Appliance	Load
			8	X 230 +	2400	4240 Btuh
				Sensible Envelope Load:		29747 Btuh
D	uct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)			(DGM of 0.142)	4212 Btuh
				Sensible Zone Load		**33959 Btuh**

[redacted] Summer Excursion will be assigned to the system loads

W	indows	July excursion for System 1	1135 Btuh
		Excursion Subtotal:	1135 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Sp : House
Lal : City, FL 3 :025-

Project Title:
Prudential Builders - Auburn

Code Only
Professional Version
Climate North

7/9/2007

D	ct load		161 Btuh
		Sensible Excursion Load	**1296 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Sp : House

Lal : City, FL 3 2025-

Project Title:
Prudential Builders - Auburn

Code Only
Professional Version
Climate: North

7/9/2007

Whc le House Totals for Cooling	**Sensible Envelope Load All Zones**	**30882 Btuh**
	Sensible Duct Load	4372 Btuh
	Total Sensible Zone Loads	**35254 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**35254 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6351 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	504 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**8454 Btuh**
	TOTAL GAIN	**43709 Btuh**

. Central U it	#	35000 Btuh

*I y: Window ty es (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))
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(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Ver: on 8
For Florida esidences only

Residential Window Diversity

MidSummer

Sp ec House
La e City, FL 2025-

Project Title:
Prudential Builders - Auburn

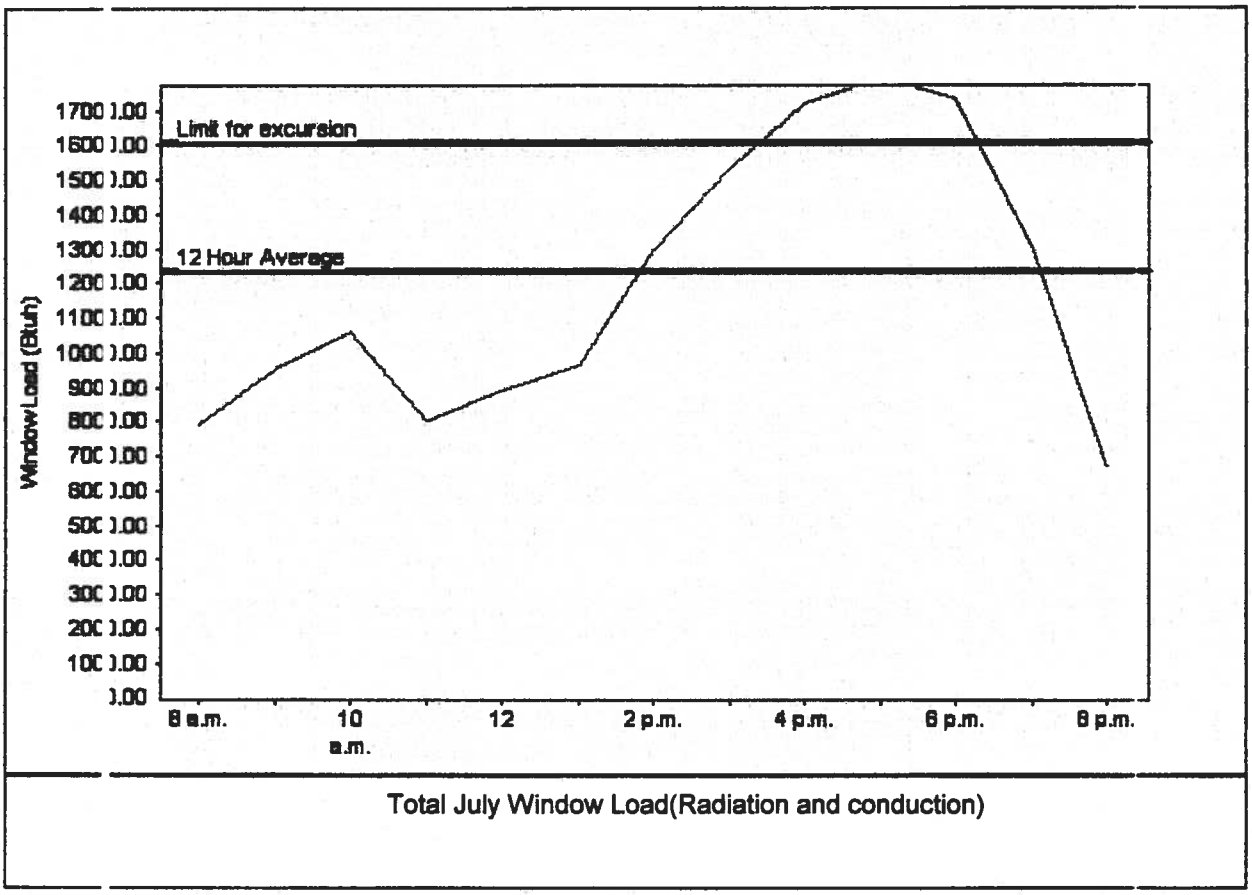
Code Only
Professional Version
Climate: North

7/9/2007

Weather data for: Gainesville - Defaults

Summe design temperature	92 F	Average window load for July	12376 Btu
Summe setpoint	75 F	Peak window load for July	17947 Btu
Summe temperature difference	17 F	Excusion limit(130% of Ave.)	16089 Btu
Latitude	29 North	Window excursion (July)	1858 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volum e devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be r quired or some rooms may require zone control.

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

4-00
12.50

Return To:
Eddie Anderson

26280

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 Sharon Teague
Deputy Clerk
Date 10-02-2007

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

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

Inst:200712022188 Date:10/2/2007 Time:9:22 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 10 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-16-02973-110.

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

JANICE ELAINE GONZALEZ
MY COMMISSION # DD 539192
EXPIRES: April 11, 2010
Bonded Thru Notary Public Underwriters

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

(NOC)

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 14-4S-16-02973-110 **Building permit No.** 000026280

Use Classification SFD,UTILITY **Fire:** 51.36

Permit Holder JUSTIN FITZHUGH **Waste:** 134.00

Owner of Building PRUDENTIAL BUILDERS **Total:** 185.36

Location: 324 SW NEWLYWED CT., LAKE CITY, FL

Date: 02/28/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)