544.18

Columbia County Building Permit Application

For Office Use Only Application # 0609-79 Date Received 9/26 By JW Permit # 1234/25106

Application Approved by - Zoning Official BLK Date 06.10.06 Plans Examiner OK JTH Date 10-3-06

Flood Zone X Pr. Sldgh Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Section 2.3.1 Legal Non-Conforming Lot of Record

Applicants Name Jay Milton Milton Builders LLC Phone 755 5827

Address 1296 SW Ridge ST Lake City Fl. 32024

Owners Name Robert R. Carter Phone 754-5942

911 Address 214 NW Indian Pond Ct. Lake City Fl. 32055

Contractors Name Jay Milton Phone

Address 1296 SW Ridge ST Lake City Fl. 32024

Fee Simple Owner Name & Address

Bonding Co. Name & Address —

Architect/Engineer Name & Address Mark Disosway

Mortgage Lenders Name & Address —

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

Property ID Number 12-35-15-00167-204 Estimated Cost of Construction 140,000

Subdivision Name OAK Haven Unit II Lot 4 Block A Unit II Phase

Driving Directions TAke Lake Jeffery Hwy 8 miles out turn in Indian Springs Dr. OAK Haven SD. go RT. at first fork then go to wild Flower, turn Lft. go to Indian Pond turn RT Job on RT. 2nd lot on right

Type of Construction Brick Veneer - NFD Number of Existing Dwellings on Property 0

Total Acreage 4 Lot Size ______ Do you need a - (Culvert Permit) or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 100 Side 50 Side 300 Rear 100

Total Building Height 19' Number of Stories 1 Heated Floor Area 1673 TOTAL 2417 Roof Pitch 5/12

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.

Milton Builders LLC
Owner Builder or Agent (Including Contractor)

[signature]
Contractor Signature
Contractors License Number CG-C060912
Competency Card Number
NOTARY STAMP/SEAL

Notary Public State of Florida
Eloise Reynolds
My Commission DD447190
Expires 07/04/2009

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 26 day of September 2006

Personally known X or Produced Identification ______

Notary Signature Eloise Reynolds

Columbia County Property Appraiser

DB Last Updated: 10/4/2006

Parcel: 12-3S-15-00167-204

2006 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	CARTER ROBERT R
Site Address	BLK A OAKHAVEN UN 2
Mailing Address	352 NW INDIAN POND CT LAKE CITY, FL 32055
Description	LOT 4 BLOCK A OAKHAVEN S/D UNIT 2. ORB 878-1180, 949-1881, WD 1048-564. WD 1082-438

Use Desc. (code)	MISC RES (000700)
Neighborhood	12315.02
Tax District	3
UD Codes	MKTA01
Market Area	01
Total Land Area	4.030 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (2)	$51,750.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (1)	$800.00
Total Appraised Value		$52,550.00

Just Value	$52,550.00
Class Value	$0.00
Assessed Value	$52,550.00
Exempt Value	$0.00
Total Taxable Value	$52,550.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
4/28/2006	1082/438	WD	V	Q		$82,000.00
6/2/2005	1048/564	WD	V	Q		$56,000.00
3/26/2002	949/1881	WD	V	Q	99	$36,500.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
			NONE			

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0169	FENCE/WOOD	1999	$800.00	1.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000700	MISC RES (MKT)	1.000 LT - (4.030AC)	1.00/1.00/1.00/1.00	$50,500.00	$50,500.00
009946	WELL (MKT)	1.000 UT - (.000AC)	1.00/1.00/1.00/1.00	$1,250.00	$1,250.00

Columbia County Property Appraiser DB Last Updated: 10/4/2006

1 of 1

Disclaimer

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 9/20/2006 **DATE ISSUED:** 9/22/2006

ENHANCED 9-1-1 ADDRESS:

214 NW INDIAN POND CT

LAKE CITY FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

12-3S-15-00167-204

Remarks:

LOCATED ON LOT 4 BLOCK A OAKHAVEN S/D UNIT 2

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

420

This Instrument Prepared by and Return to:
Monica L. Cook
Community Land Title Corporation
2400 S.E. Midport Road, Suite 214
Port St. Lucie, FL 34952
0614587C
Property Appraisers Parcel Identification (Folio) Numbers:
R00167-204

Return to Courthouse Box # 15
Community Land Title Corporation

$ 10.00 Record
574.00 - Doc

Warranty Deed

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED, made and executed the **28th** day of **April, 2006** by **John Denyko and Margarita Denyko, his wife**, whose post office address is: **2161 SW Venus Street, Port Saint Lucie, FL 34953**, herein called the grantor, to **Robert R. Carter, a married man** whose post office address is: **14241 Cabo Blanco Dr., Corpus Christi, TX 78416**, hereinafter called the Grantee:
(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

W I T N E S S E T H: That the grantor, for and in consideration of the sum of TEN AND 00/100'S ($10.00) Dollars and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee all that certain land situate in COLUMBIA County, State of Florida,
viz:

Lot 4, Block A, OAKHAVEN UNIT II, according to the Plat thereof, recorded in Plat Book 5, Page 86, Public Records of Columbia County, Florida.

Subject to easement, restrictions, and reservations of record and to taxes for the year 2006 and thereafter.

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

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

AND, the grantor hereby covenants with said grantee that the grantors are lawfully seized of said land in fee simple; that the grantors have good and lawful authority to sell and convey said land, and hereby warrant the title to said land and will defend the same against the lawful claims of all parties whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the presence of:

Witness #1 Signature

Monica L. Cook

Printed Witness #1

Witness #2 Signature

Printed Witness #2

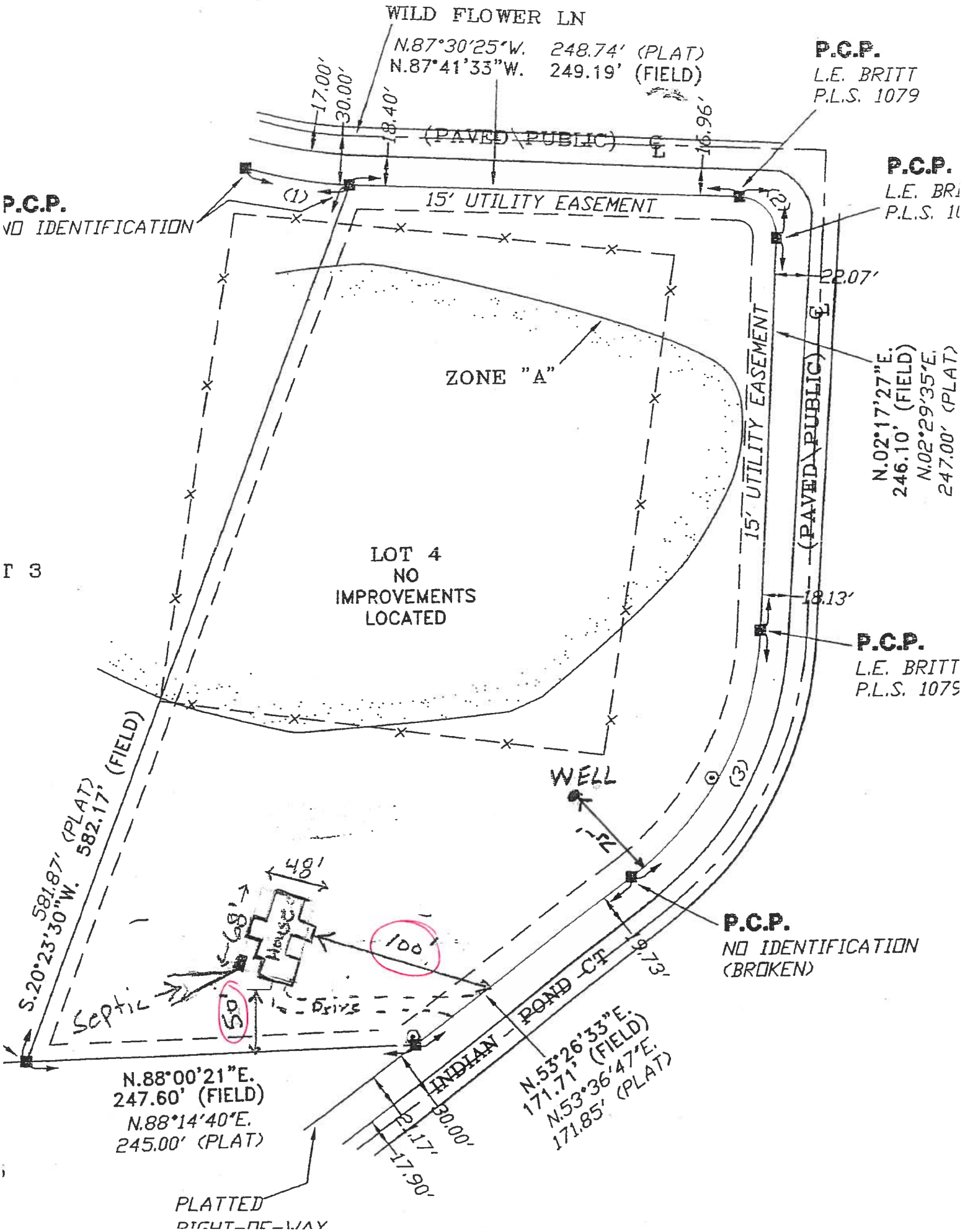
By: _____
John Denyko
2161 SW Venus Street, Port Saint Lucie, FL 34953

By: _____
Margarita Denyko
2161 SW Venus Street, Port Saint Lucie, FL 34953

Inst:2006010459 Date:05/01/2006 Time:13:10
Doc Stamp-Deed : 574.00
DC,P.DeWitt Cason,Columbia County B:1082 P:4

STATE OF FLORIDA

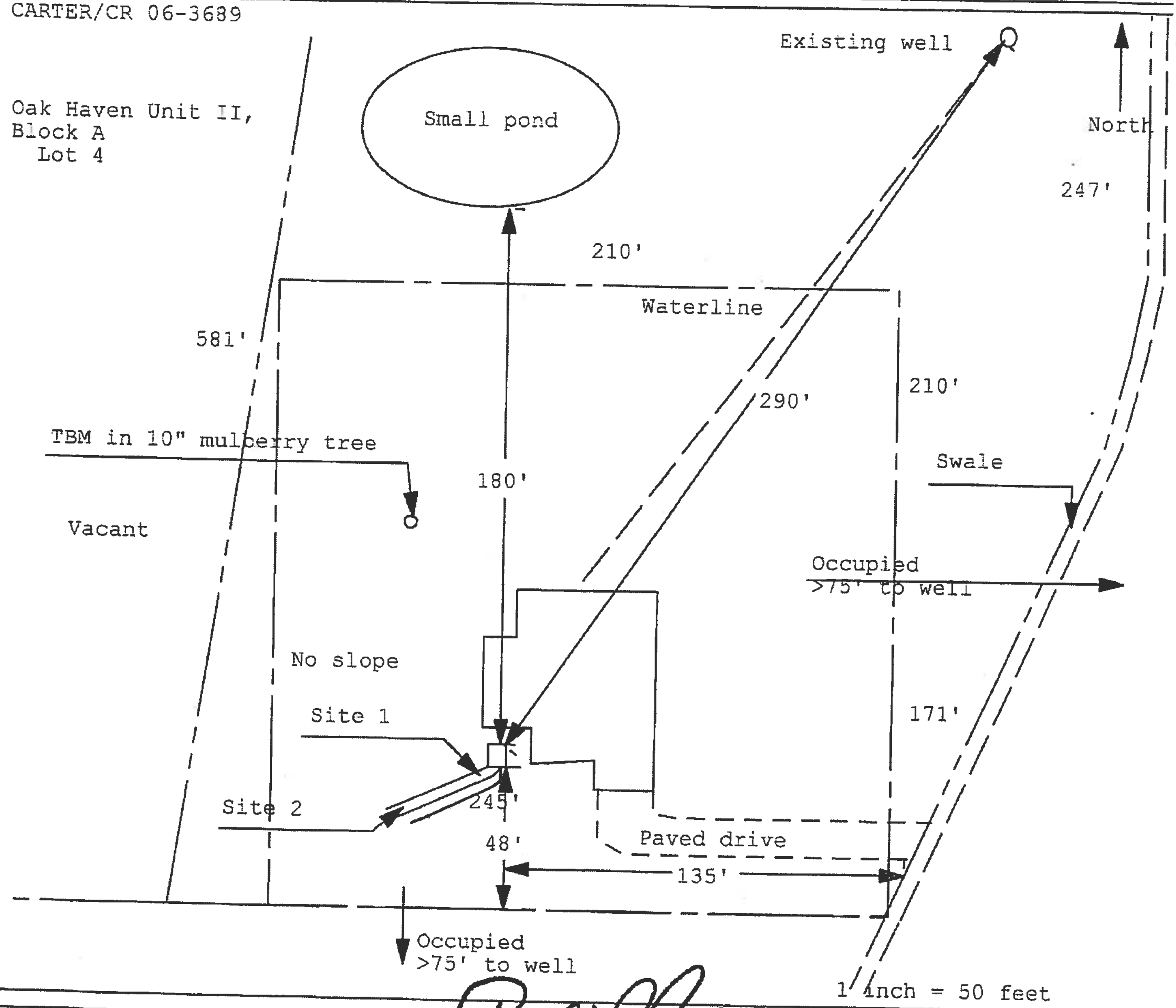
COUNTY OF St Lucie


WILD FLOWER LN
N.87°30'25"W. 248.74' (PLAT)
N.87°41'33"W. 249.19' (FIELD)
17.00'
30.00'
8.40'
16.96'
(PAVED PUBLIC)
P.C.P.
L.E. BRITT
P.L.S. 1079
P.C.P.
NO IDENTIFICATION
(1)
15' UTILITY EASEMENT
(2)
22.07'
ZONE "A"
15' UTILITY EASEMENT
(PAVED PUBLIC)
N.02°17'27"E.
246.10' (FIELD)
N.02°29'35"E.
247.00' (PLAT)
LOT 4
NO
IMPROVEMENTS
LOCATED
18.13'
P.C.P.
L.E. BRITT
P.L.S. 1079
WELL
(3)
S.20°23'30"W. 582.17' (FIELD)
581.87' (PLAT)
48'
68'
House
100'
Septic
50'
Drive
P.C.P.
NO IDENTIFICATION
(BROKEN)
POND CT
INDIAN
N.53°26'33"E.
171.71' (FIELD)
N.53°36'47"E.
171.85' (PLAT)
30.00'
21.17'
17.90'
N.88°00'21"E.
247.60' (FIELD)
N.88°14'40"E.
245.00' (PLAT)
PLATTED

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan
Permit Application Number: 06-0841N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CARTER/CR 06-3689



Site Plan Submitted By Paul Lloyd **Date** 9/14/06
Plan Approved ✓ **Not Approved** ____ **Date** 9/26/06
By [signature] ____ Columbia **CPHU**
Notes: ____

NOTICE OF COMMENCEMENT

COLUMBIA COUNTY, FLORIDA

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: (legal description and street address or 911 address)
   LOT 4 IN BLOCK 'A' OF 'OAKHAVEN UNIT II AS PER PLAT THEREOF RECORDED IN PLAT BOOK 5, PAGES 86 & 86A OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA
2. General description of improvement:
   Construction of single family dwelling
3. Owner Name and Address: ROBERT R. CARTER
   14241 Cabo Blanco Dr. Corpus Christi, TX 78416
   Interest in Property: 100%
4. Name and Address of Fee Simple Titleholder (if other than owner): N/A
5. Contractor Name and Address: MILTON BUILDERS, LLC
   1296 SW Ridge St. Lake City, FL 32024 Phone Number: 386-755-5827
6. Surety Holder's Name and Address: N/A
   Phone Number: N/A
   Amount of Bond: N/A
7. Lender Name and Address: N/A
   Phone Number: N/A
8. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Florida Statutes 713.13(1)(a) 7:
   Name and Address: N/A
   Phone Number: N/A
9. In addition to himself/herself owner designates: N/A of
   to receive a copy of the Lienor's Notice as provided in Florida Statutes 713.13(1)(a) 7. Phone Number of designee: N/A
10. Expiration date of Notice of Commencement (the expiration date is one (1) year from the date of recording unless a different date is specified):

NOTICE AS PER CHAPTER 713, FLORIDA STATUTES:
The owner must sign the Notice of Commencement and no one else may be permitted to sign in his/her stead.

Signature of Owner — Robert R. Carter — Signature of Owner

Sworn to (or affirmed) and subscribed before me this 21 day of SEPTEMBER, 2006.

Notary Stamp Seal

Eloise Reynolds
Type Notary's Name ELOISE REYNOLDS
Notary Public, State of Florida

Notary Public State of Florida
Eloise Reynolds
My Commission DD44 190
Expires 07/04/2009

Inst:2006022627 Date:09/22/2006 Time:10:27
DC,P.DeWitt Cason,Columbia County B:1096 P:2084

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**608311MiltonBuildersHallResidence**	Builder:	
Address:	**Lot: 4, Sub: Oak Haven, Plat:**	Permitting Office:	COLUMBIA
City, State:	**, FL**	Permit Number:	25108
Owner:	**Hall Residence**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 33.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	1673 ft²	c. N/A	
7. Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT) 7a.	(Dble Default) 166.3 ft²	a. Electric Heat Pump	Cap: 33.0 kBtu/hr
b. SHGC:			HSPF: 7.00
(or Clear or Tint DEFAULT) 7b.	(Clear) 166.3 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 202.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1312.0 ft²		EF: 0.93
b. Frame, Wood, Adjacent	R=13.0, 132.0 ft²	b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	
a. Under Attic	R=30.0, 1673.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 200.0 ft		
b. N/A			

Glass/Floor Area: 0.10	Total as-built points: 23826 Total base points: 25610	PASS

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

PREPARED BY: _____

DATE: 9-1-06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: Oak Haven, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1673.0	20.04	6034.8	Double, Clear	W	1.5	6.0	12.0	38.52	0.91	422.2	
				Double, Clear	W	1.5	6.0	75.0	38.52	0.91	2639.0	
				Double, Clear	W	7.0	8.0	30.0	38.52	0.56	647.6	
				Double, Clear	N	1.5	4.0	6.0	19.20	0.88	101.5	
				Double, Clear	E	1.5	5.5	15.0	42.06	0.90	565.5	
				Double, Clear	E	1.5	0.0	15.0	42.06	0.36	225.1	
				Double, Clear	E	8.0	9.0	13.3	42.06	0.55	305.2	
				As-Built Total:				**166.3**			**4906.1**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	132.0	0.70	92.4	Frame, Wood, Exterior			13.0	1312.0	1.50		1968.0	
Exterior	1312.0	1.70	2230.4	Frame, Wood, Adjacent			13.0	132.0	0.60		79.2	
Base Total:	**1444.0**		**2322.8**	**As-Built Total:**				**1444.0**			**2047.2**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	20.0	1.60	32.0	Exterior Insulated				20.0	4.10		82.0	
Exterior	40.0	4.10	164.0	Exterior Insulated				20.0	4.10		82.0	
				Adjacent Insulated				20.0	1.60		32.0	
Base Total:	**60.0**		**196.0**	**As-Built Total:**				**60.0**			**196.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1673.0	1.73	2894.3	Under Attic			30.0	1673.0	1.73 X 1.00		2894.3	
Base Total:	**1673.0**		**2894.3**	**As-Built Total:**				**1673.0**			**2894.3**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	202.0(p)	-37.0	-7474.0	Slab-On-Grade Edge Insulation			0.0	202.0(p	-41.20		-8322.4	
Raised	0.0	0.00	0.0									
Base Total:			**-7474.0**	**As-Built Total:**				**202.0**			**-8322.4**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1673.0	10.21	17081.3					1673.0	10.21		17081.3	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: Oak Haven, Plat: , , FL,** PERMIT #:

BASE			AS-BUILT						
Summer Base Points: 21055.3			**Summer As-Built Points: 18802.5**						
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
			(sys 1: Central Unit 33000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
			18803	1.00	(1.09 x 1.147 x 0.91)	0.341	1.000	7301.0	
21055.3	**0.4266**	**8982.2**	**18802.5**	**1.00**	**1.138**	**0.341**	**1.000**	**7301.0**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: Oak Haven, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1673.0	12.74	3836.5	Double, Clear	W	1.5	6.0	12.0	20.73	1.02	254.6	
				Double, Clear	W	1.5	6.0	75.0	20.73	1.02	1591.1	
				Double, Clear	W	7.0	8.0	30.0	20.73	1.15	717.1	
				Double, Clear	N	1.5	4.0	6.0	24.58	1.01	148.3	
				Double, Clear	E	1.5	5.5	15.0	18.79	1.04	293.5	
				Double, Clear	E	1.5	0.0	15.0	18.79	1.51	424.8	
				Double, Clear	E	8.0	9.0	13.3	18.79	1.26	313.8	
				As-Built Total:				**166.3**			**3743.2**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	132.0	3.60	475.2	Frame, Wood, Exterior			13.0	1312.0	3.40		4460.8	
Exterior	1312.0	3.70	4854.4	Frame, Wood, Adjacent			13.0	132.0	3.30		435.6	
Base Total:	**1444.0**		**5329.6**	**As-Built Total:**				**1444.0**			**4896.4**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	20.0	8.00	160.0	Exterior Insulated				20.0	8.40		168.0	
Exterior	40.0	8.40	336.0	Exterior Insulated				20.0	8.40		168.0	
				Adjacent Insulated				20.0	8.00		160.0	
Base Total:	**60.0**		**496.0**	**As-Built Total:**				**60.0**			**496.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1673.0	2.05	3429.6	Under Attic			30.0	1673.0	2.05 X	1.00	3429.6	
Base Total:	**1673.0**		**3429.6**	**As-Built Total:**				**1673.0**			**3429.6**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	202.0(p)	8.9	1797.8	Slab-On-Grade Edge Insulation			0.0	202.0(p	18.80		3797.6	
Raised	0.0	0.00	0.0									
Base Total:			**1797.8**	**As-Built Total:**				**202.0**			**3797.6**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1673.0	-0.59	-987.1					1673.0	-0.59		-987.1	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: Oak Haven, Plat: , , FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**13902.5**	**Winter As-Built Points:**					**15375.8**
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 33000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
			15375.8	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000	8705.0
13902.5	**0.6274**	**8722.4**	**15375.8**	**1.00**	**1.162**	**0.487**	**1.000**	**8705.0**

FORM 600A-2004 EnergyGauge® 4.1

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: Oak Haven, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	40.0	0.93	3		1.00	2606.67	1.00	7820.0
				As-Built Total:							**7820.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
8982	**8722**	**7905**	**25610**	**7301**	**8705**	**7820**	**23826**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: Oak Haven, Plat: , , FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.2

The higher the score, the more efficient the home.

Hall Residence, Lot: 4, Sub: Oak Haven, Plat: , , FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 33.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 10.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	1673 ft²		c. N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 166.3 ft²		a. Electric Heat Pump	Cap: 33.0 kBtu/hr
	b. SHGC:				HSPF: 7.00
	(or Clear or Tint DEFAULT) 7b.	(Clear) 166.3 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 202.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1312.0 ft²			EF: 0.93
	b. Frame, Wood, Adjacent	R=13.0, 132.0 ft²		b. N/A	
	c. N/A				
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 1673.0 ft²	15.	HVAC credits	
	b. N/A			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 200.0 ft		MZ-C-Multizone cooling,	
	b. N/A			MZ-H-Multizone heating)	

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.

Residential System Sizing Calculation

Summary

Hall Residence
, FL

Project Title:
608311MiltonBuildersHallResidence

Class 3 Rating
Registration No. 0
Climate: North

9/1/2006

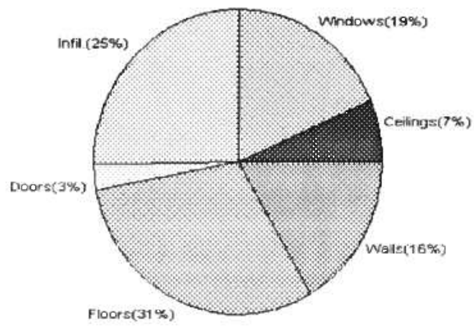
Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)

Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**28892**	**Btuh**	**Total cooling load calculation**	**22980**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	114.2	33000	Sensible (SHR = 0.99)	178.0	32670
Heat Pump + Auxiliary(0.0kW)	114.2	33000	Latent	7.1	330
			Total (Electric Heat Pump)	143.6	33000

WINTER CALCULATIONS

Winter Heating Load (for 1673 sqft)

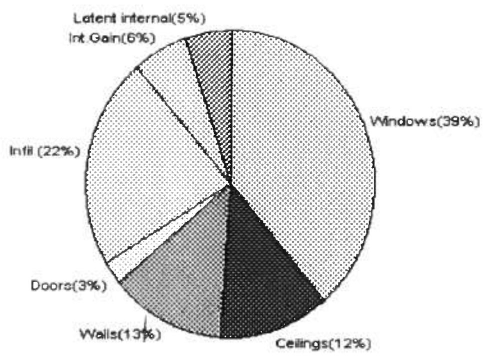
Load component			Load	
Window total	166	sqft	5353	Btuh
Wall total	1444	sqft	4742	Btuh
Door total	60	sqft	777	Btuh
Ceiling total	1673	sqft	1971	Btuh
Floor total	202	sqft	8819	Btuh
Infiltration	178	cfm	7228	Btuh
Duct loss			0	Btuh
Subtotal			**28892**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**28892**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1673 sqft)

Load component			Load	
Window total	166	sqft	8938	Btuh
Wall total	1444	sqft	2936	Btuh
Door total	60	sqft	588	Btuh
Ceiling total	1673	sqft	2771	Btuh
Floor total			0	Btuh
Infiltration	94	cfm	1744	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**18356**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			3424	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**4624**	**Btuh**
TOTAL HEAT GAIN			**22980**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: [signature]
DATE: 9-1-06

EnergyGauge® FLR2PB v4.1

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Hall Residence
, FL

Project Title:
608311MiltonBuildersHallResidence

Class 3 Rating
Registration No. 0
Climate: North

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

9/1/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	12.0	32.2	386 Btuh
2	2, Clear, Metal, 0.87	NW	75.0	32.2	2414 Btuh
3	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
5	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh
6	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	SE	13.3	32.2	428 Btuh
	Window Total		166(sqft)		5353 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1312	3.3	4309 Btuh
2	Frame - Wood - Adj(0.09)	13.0	132	3.3	433 Btuh
	Wall Total		1444		4742 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1673	1.2	1971 Btuh
	Ceiling Total		1673		1971Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	202.0 ft(p)	43.7	8819 Btuh
	Floor Total		202		8819 Btuh
			Zone Envelope Subtotal:		21663 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	13384	178.5	7228 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**28892 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Hall Residence
, FL

Project Title:
608311MiltonBuildersHallResidence

Class 3 Rating
Registration No. 0
Climate: North

9/1/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	28892 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28892 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Hall Residence
, FL

Project Title:
608311MiltonBuildersHallResidence

Class 3 Rating
Registration No. 0
Climate: North

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

9/1/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	12.0	32.2	386 Btuh
2	2, Clear, Metal, 0.87	NW	75.0	32.2	2414 Btuh
3	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
5	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh
6	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	SE	13.3	32.2	428 Btuh
	Window Total		166(sqft)		5353 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1312	3.3	4309 Btuh
2	Frame - Wood - Adj(0.09)	13.0	132	3.3	433 Btuh
	Wall Total		1444		4742 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1673	1.2	1971 Btuh
	Ceiling Total		1673		1971Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	202.0 ft(p)	43.7	8819 Btuh
	Floor Total		202		8819 Btuh
			Zone Envelope Subtotal:		21663 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	13384	178.5	7228 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**28892 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Hall Residence
, FL

Project Title:
608311MiltonBuildersHallResidence

Class 3 Rating
Registration No. 0
Climate: North

9/1/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	28892 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28892 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Hall Residence
, FL

Project Title:
608311MiltonBuildersHallResidence

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 9/1/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6ft.	12.0	0.0	12.0	29	60	720 Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft.	6ft.	75.0	0.0	75.0	29	60	4503 Btuh
3	2, Clear, 0.87, None,N,N	NW	7ft.	8ft.	30.0	0.0	30.0	29	60	1801 Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	4ft.	6.0	0.0	6.0	29	60	360 Btuh
5	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	15.0	6.1	8.9	29	63	734 Btuh
6	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	15.0	15.0	0.0	29	63	434 Btuh
7	2, Clear, 0.87, None,N,N	SE	8ft.	9ft.	13.3	13.3	0.0	29	63	385 Btuh
	Window Total				166 (sqft)					8938 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1312.0	2.1	2737 Btuh
2	Frame - Wood - Adj	13.0/0.09	132.0	1.5	199 Btuh
	Wall Total		1444 (sqft)		2936 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	60 (sqft)		588 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1673.0	1.7	2771 Btuh
	Ceiling Total		1673 (sqft)		2771 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	202 (ft(p))	0.0	0 Btuh
	Floor Total		202.0 (sqft)		0 Btuh

				Zone Envelope Subtotal:	15233 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.42	13384	93.7	1744 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	6	X 230	+	0	1380 Btuh

Duct load			
Average sealed, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh

	Sensible Zone Load	**18356 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Hall Residence
, FL

Project Title:
608311MiltonBuildersHallResidence

Class 3 Rating
Registration No. 0
Climate: North

9/1/2006

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**18356 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**18356 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**18356 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	3424 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**4624 Btuh**
	TOTAL GAIN	**22980 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Hall Residence
, FL

Project Title:
608311MiltonBuildersHallResidence

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
9/1/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6ft.	12.0	0.0	12.0	29	60	720 Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft.	6ft.	75.0	0.0	75.0	29	60	4503 Btuh
3	2, Clear, 0.87, None,N,N	NW	7ft.	8ft.	30.0	0.0	30.0	29	60	1801 Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	4ft.	6.0	0.0	6.0	29	60	360 Btuh
5	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	15.0	6.1	8.9	29	63	734 Btuh
6	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	15.0	15.0	0.0	29	63	434 Btuh
7	2, Clear, 0.87, None,N,N	SE	8ft.	9ft.	13.3	13.3	0.0	29	63	385 Btuh
	Window Total				166 (sqft)					8938 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1312.0	2.1	2737 Btuh
2	Frame - Wood - Adj	13.0/0.09	132.0	1.5	199 Btuh
	Wall Total		1444 (sqft)		2936 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	60 (sqft)		588 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1673.0	1.7	2771 Btuh
	Ceiling Total		1673 (sqft)		2771 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	202 (ft(p))	0.0	0 Btuh
	Floor Total		202.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		15233 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.42	13384	93.7	1744 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	0	1380 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		**18356 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Hall Residence
, FL

Project Title:
608311MiltonBuildersHallResidence

Class 3 Rating
Registration No. 0
Climate: North

9/1/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**18356 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**18356 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**18356 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	3424 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**4624 Btuh**
	TOTAL GAIN	**22980 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

Residential Window Diversity

MidSummer

Hall Residence

, FL

Project Title:
608311MiltonBuildersHallResidence

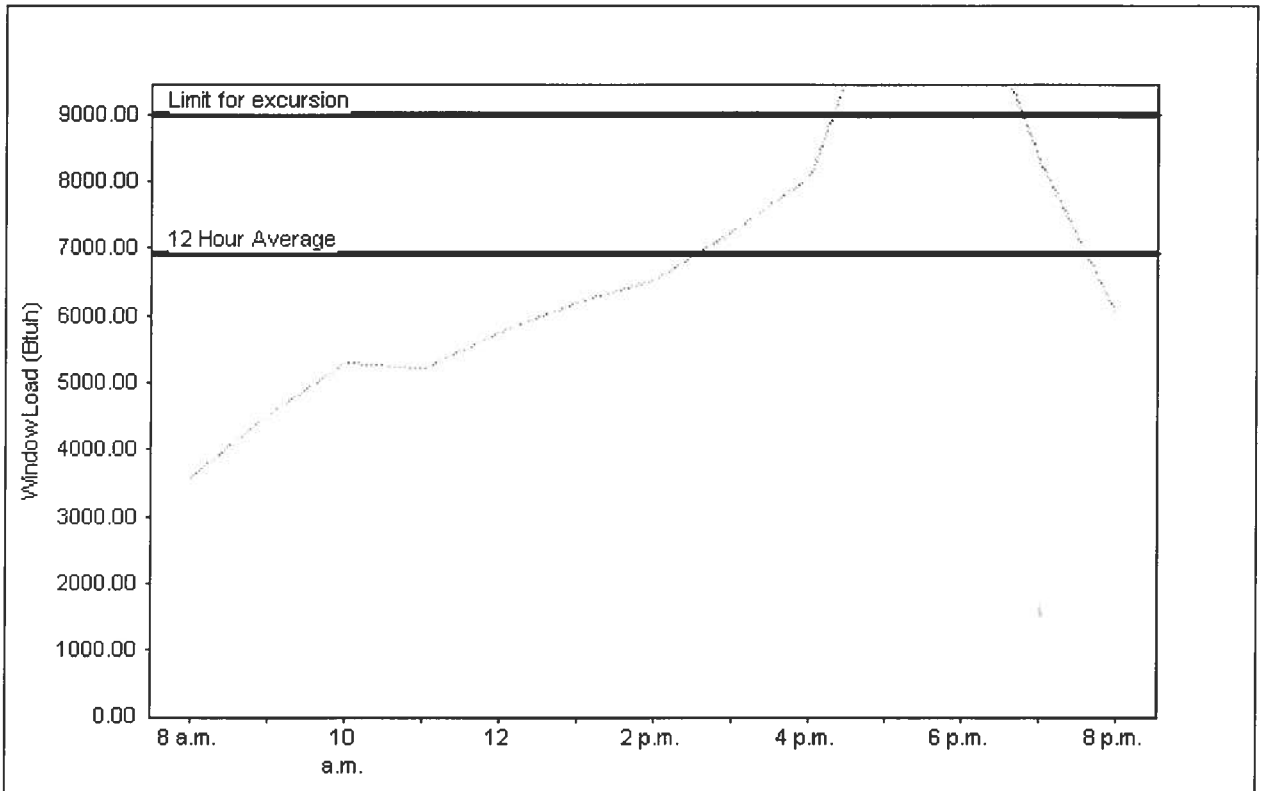
Class 3 Rating
Registration No. 0
Climate: North

9/1/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	6921 Btuh
Summer setpoint	75 F	Peak window load for July	11189 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	8998 Btuh
Latitude	29 North	Window excursion (July)	2191 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 9-1-06

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS	Johnson Entry	Steel ext. Door	3026447A-001
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER GARAGE			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Capitol	Aluminum	01-41134.01
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED	Capitol	Aluminum	01-41134.01
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS	Ashley		F1406
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Certainteed	Roof Shingles	02-0110.03
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER OSB	Langboard	OSB Sheathing	PS2-92 PrP-135
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE

9-23-06
DATE

R-1305 01-04

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Certainteed Corporation (PA)
1400 Union Meeting Road
Blue Bell, PA 19422

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Landmark TL (and-AR)

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 3.
The submitted documentation was reviewed by Frank Zuloaga, RRC

Ed - Empire LCI
Tom Davis Dealers choice
800-742-0156
~~800~~-866-209-2552

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	07310 Composition Shingles
Materials	Dimensional
Deck Type:	Wood

1. SCOPE:

This new roofing system using **Certainteed Landmark TL and AR** Asphalt Shingles, manufactured by **CertainTeed Corporation** as described in this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County.

2. PRODUCT DESCRIPTION

Product	Dimensions	Test Specifications	Product Description
Certainteed Landmark TL and AR	13¼" x 40"	PA 110	A heavy weight, dimensional asphalt shingle.

3. LIMITATIONS

3.1 Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.

3.2 Shall not be installed on roof mean heights in excess of 33 ft.

4. INSTALLATION

4.1 Shingles shall be installed in compliance with Miami-Dade County Product Control Shingle Installation Procedure No. 115.

4.2 Flashing shall be in accordance with Section 9.3 Option "B" (Step-flashing) of Miami-Dade County Product Control Shingle Installation Procedure No. 115.

4.3 The manufacturer shall provide clearly written application instructions.

4.4 Exposure and course layout shall be in compliance with Detail 'A', attached.

4.5 Nailing shall be in compliance with Detail 'B', attached.

5. LABELING

5.1 Shingles shall be labeled with the Miami-Dade Logo or the wording "Miami-Dade County-Product Control Approved".

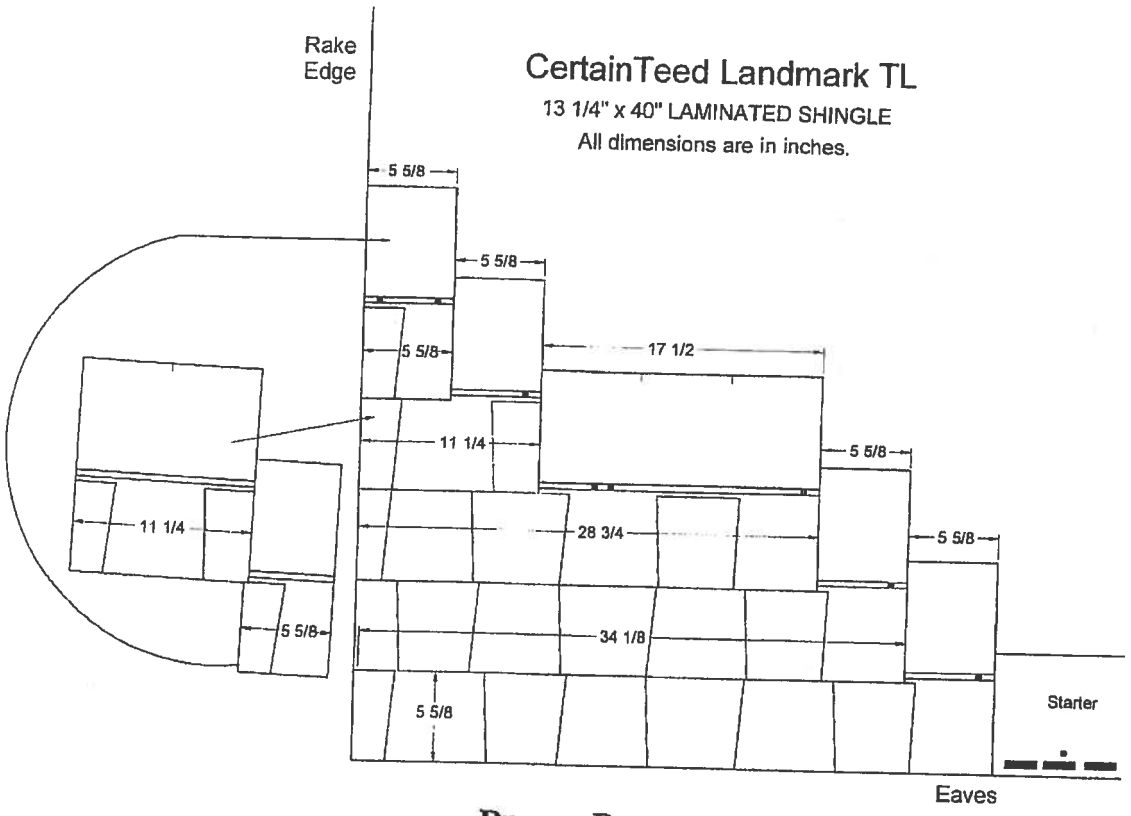
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

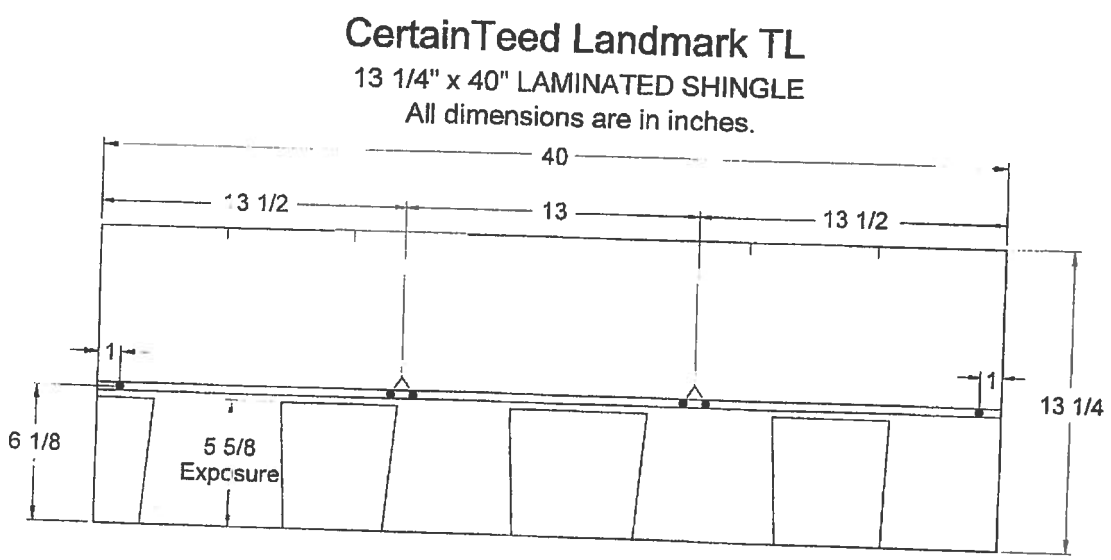
6.1.1 This Notice of Acceptance.

6.1.2 Any other documents required by the Building Official or the applicable Building Code in order to properly evaluate the installation of this system.

DETAIL A



DETAIL B



END OF THIS ACCEPTANCE

PRODUCT CONTROL ACCEPTED

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

CertainTeed Corporation
1400 Union Meeting Road
Blue Bell, PA 19422

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

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This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: CertainTeed CT 20, CT 20 AR, XT-25, XT-25 AR, XT-30, XT-30 AR and Patriot™ AR Three Tab Shingles

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 4.
The submitted documentation was reviewed by Frank Zuloaga, RRC

PRODUCT CONTROL ACCEPTED

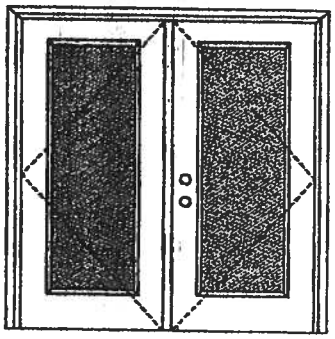
NOA No.: 02-1216.05
Expiration Date: 06/14/06
Approval Date: 03/06/03

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

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

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

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

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

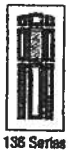
Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


130, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


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


107 Series*


108 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 6-panel with scroll; Eyebrow 5-panel; Eyebrow 6-panel with scroll.

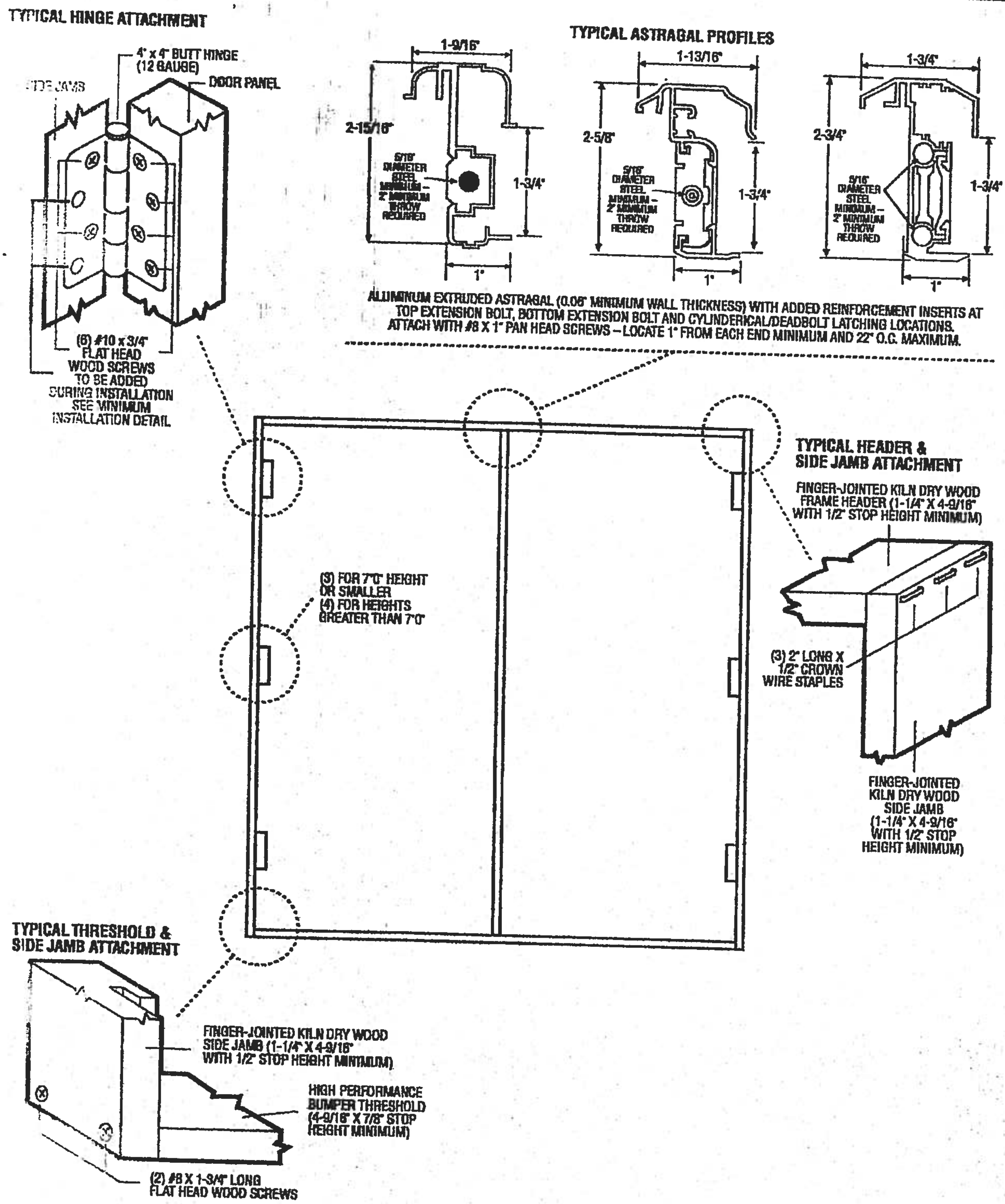
Johnson Entry Systems

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

PREMDOR Collection Premium Quality Doors
Exclusively from Masonite
Masonite International Corporation

MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR



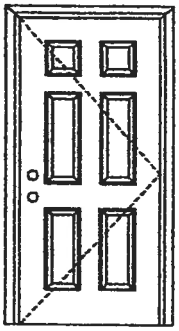
InSwing Single

6 Panel

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED.

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

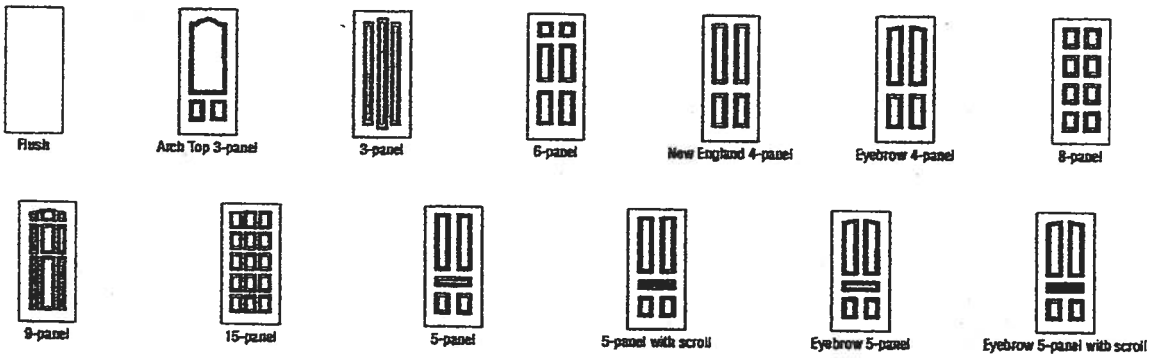
MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:



Johnson EntrySystems

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

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite

Masonite International Corporation

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

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

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

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

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA201 & PA203

COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

Johnson™ EntrySystems

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

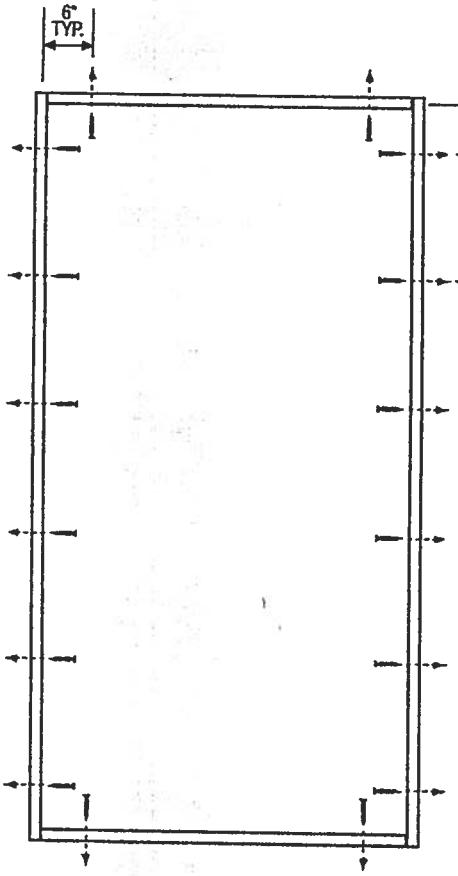
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

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

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

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylinderical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3146, 3161 or 3166**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

Notes:

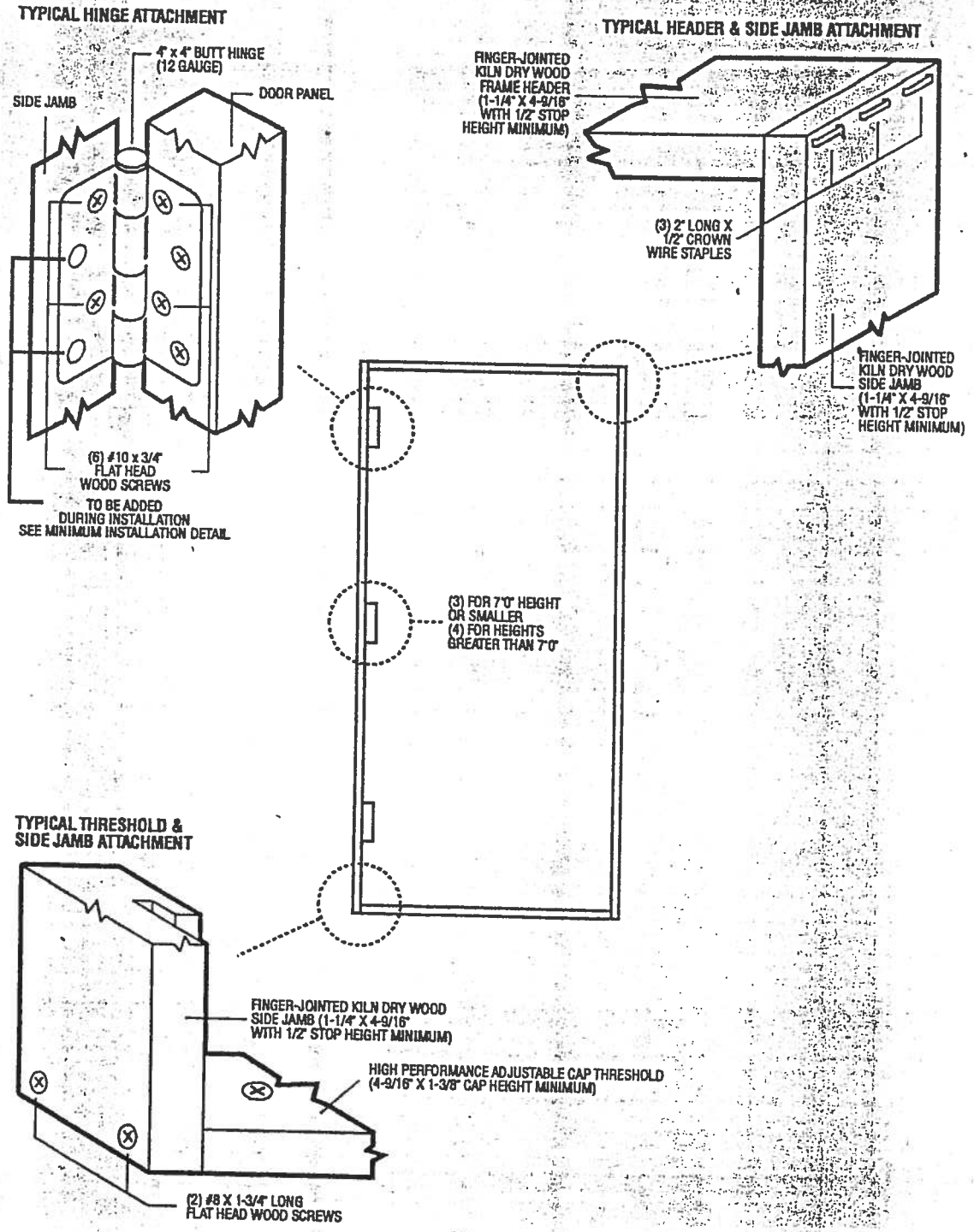
1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF &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

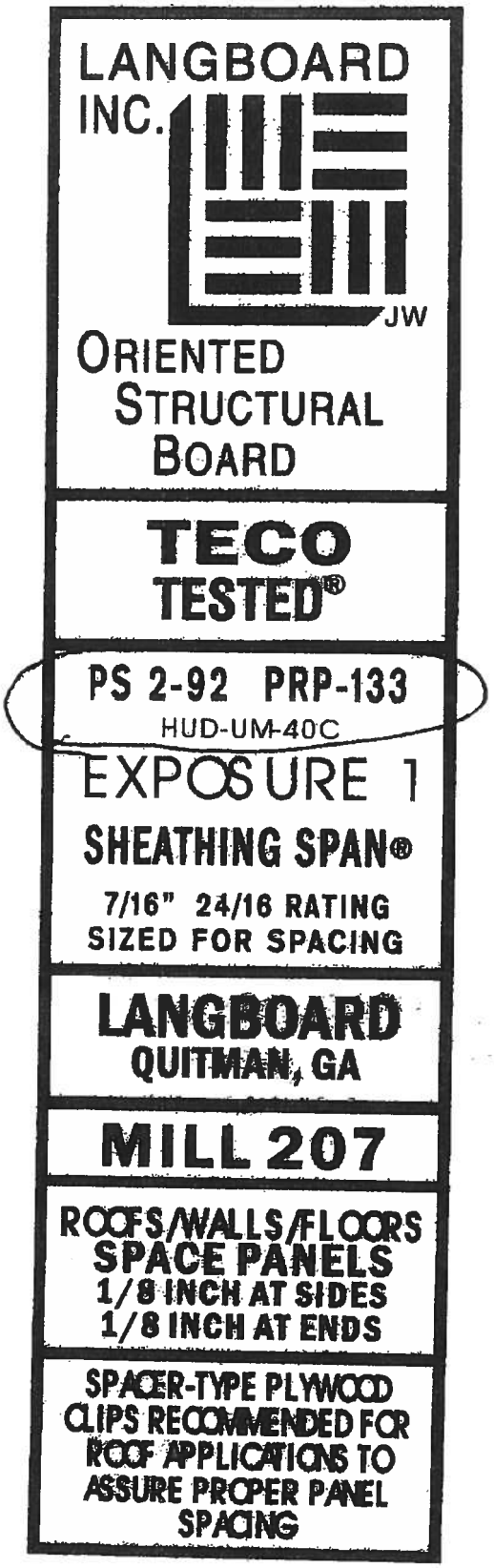
March 29, 2002

X
Unit

MAD-WL-MA0001-02

INSWING UNIT WITH SINGLE DOOR




LANGBOARD
INC.
JW
ORIENTED
STRUCTURAL
BOARD
TECO
TESTED®
PS 2-92 PRP-133
HUD-UM-40C
EXPOSURE 1
SHEATHING SPAN®
7/16" 24/16 RATING
SIZED FOR SPACING
LANGBOARD
QUITMAN, GA
MILL 207
ROOFS/WALLS/FLOORS
SPACE PANELS
1/8 INCH AT SIDES
1/8 INCH AT ENDS
SPACER-TYPE PLYWOOD
CLIPS RECOMMENDED FOR
ROOF APPLICATIONS TO
ASSURE PROPER PANEL
SPACING

OSB


LANGBOARD
INC.
JW
ORIENTED
STRUCTURAL
BOARD
TECO
TESTED®
PS 2-92 PRP-133
HUD-UM-40C
EXPOSURE 1
SHEATHING SPAN®
15/32" 32/16 RATING
SIZED FOR SPACING
LANGBOARD
QUITMAN, GA
MILL 207
ROOFS/WALLS/FLOORS
SPACE PANELS
1/8 INCH AT SIDES
1/8 INCH AT ENDS
SPACER-TYPE PLYWOOD
CLIPS RECOMMENDED FOR
ROOF APPLICATIONS TO
ASSURE PROPER PANEL
SPACING

LANGBOARD INC.

P.O. Box 837
Quitman, Georgia 31643
912/263-8943
Telefax: 912/263-5535

Langboard OSB

Langboard is Oriented Strand Board, a structural panel that is superior to waferboard in every way — in strength, stiffness, weight, and dimensional stability. Each panel consists of long, narrow strands of southern hardwoods aligned in alternate layers, perpendicular and bonded with Phenolic Resin. The result is a structural panel with strength properties and dimensional stability that is a superior multi-purpose panel to the construction industry.

Langboard Storage

Store Langboard OSB in a clean dry area; in a warehouse or under roof, if possible. Place the 4' x 8' unit in a level area on four or more stringers so that air is allowed to circulate around the panels. If stored outside, select a level high ground with four or more stringers. Anchor a tarp or plastic sheet to top of stack, but leave it open and hang from sides and bottom to assure good ventilation.

Before installation Langboard should be moved to job site and allowed to acclimate to the surrounding under the protection from the elements. Panels should be spaced 1/8 of an inch at both edges and ends. The use of ply clips for sheating panels are recommended.

Langboard Acceptiability

Langboard will meet or exceed standards for the American Plywood Association Performance rated panels. The 7/16" Langboard Panel carries the APA grademark as Rated Sheathing and lists 24/16 as span rating. (24" o.c.). The 24 number denotes the maximum recommended spacing of supports when panel is used for roof sheathing. (16" o.c.). The 16 number denotes the maximum recommended spacing of supports when panel is used for sub-flooring.

Physical Properties

Density 44 lbs. / Cubic Feet
Modulus of Rupture — 3,000 PSI
Modulus of Elasticity — 450,000 PSI
Internal Bond — 50 ASI
Linear Expansion 0.20%
Minimum Direct nail withdrawal — 25 lbs.

Langboard Packaging 48" x 96"

Thickness	Pieces Per Bundle
1/4"	135
3/8"	90
7/16"	75
1/2"	65
5/8"	50
3/4"	45

APA Oriented Span Ratings

Thickness	APA Span Rating	Maximum Live Load For Roof (lbs.)
7/16"	24/16	40 lbs.
1/2"	32/16	55 lbs.
5/8"	40/20	75 lbs.
5/8"	Sturd-I-Floor 20" o.c.	
3/4"	Sturd-I-Floor 24" o.c.	

Surface Burning Characteristics

Unfinished 1/4" to 3/4"

Basic Board

Flame Spread	195
Fuel Contributed	150
Smoke Developed	100

Insulation Value

7/16" = 1.5R

Vapor Permeability

7/16" = .9 perm 1/2" = .8 perm

Sales Contact
Dick Miller - Sales Manager
(912) 263-8943

Langboard Inc.
P. O. Box 837
Quitman, GA 31643
Telefax: (912) 263-5535

CPC 5060

Surface Burning Characteristics

Flame Spread Index - Class III or Class C (76 to 200) Smoke Developed - 130
Above classes are certified by Underwriters Laboratories

Table 1 - ALLOWABLE UNIFORM ROOF LIVE LOADS FOR SHEATHING SPAN WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS[1]

SHEATHING SPAN		ROOF									FLOOR
SPAN RATING	PANEL THICKNESS	MAXIMUM SPAN (inches)		ALLOWABLE LIVE LOADS (psf)							
Floor Span (inches)	(inch)	With Edge Support[2]	Without Edge Support	Spacing of Supports Center-to-Center (inches)							MAXIMUM SPAN (inches)
				12	16	20	24	32	40	48	60	
12/0	5/16	12	12	30	-	-	-	-	-	-	-	0
16/0	5/16, 3/8	16	16	35	30	-	-	-	-	-	-	0
20/0	5/16, 3/8	20	20	70	50	30	-	-	-	-	-	0
24/0	3/8, 7/16, 1/2	24	20[4]	90	65	55	30	-	-	-	-	0
24/16	7/16, 1/2	24	24	135	100	75	40	-	-	-	-	16
32/16	15/32, 1/2, 5/8	32	28	135	100	75	55	30	-	-	-	16[5]
40/20	9/16, 19/32, 5/8, 3/4, 7/8	40	32	165	120	100	75	55	30	-	-	20[4,5]
48/24	22/32, 3/4, 7/8	48	36	210	155	130	100	65	50	35	-	24

FLOOR SPAN		ROOF									
SPAN RATING (inches)	PANEL THICKNESS (inches)	MAXIMUM SPAN (inches)		ALLOWABLE LIVE LOADS (psf)							
		With Edge Support[2]	Without Edge Support	Spacing of Supports Center-to-Center (inches)							
				12	16	20	24	32	40	48	60
16 o.c.	19/32, 5/8, 21/32	24	24	135	100	65	-	40	-	-	-
20 o.c.	19/32, 5/8, 3/4	32	32	185	120	100	60	30	-	-	-
24 o.c.	11/16, 23/32, 3/4	40	36	210	155	130	100	50	30	-	-
48 o.c.	1 1/8	60	48	-	-	-	375	205	100	65	40

[1] The allowable spans were determined using a dead load of 10 psf. If the dead load exceeds 10 psf then the live load shall be reduced accordingly.
[2] Tongue-and-groove edges, panel edge clips (one between each support, except two between supports 48 inches on center), lumber blocking or other. Only lumber blocking will satisfy blocked diaphragm requirements of Table No. IV.
[3] Twenty-four inches for ½-inch panels.
[4] Shall be permitted over framing spaced 24 inches on center for floors where 1 inch of approved gypsum concrete or 1½ inches of cellular or lightweight concrete is applied over the panels.
[5] Shall be permitted over framing of 24 inches on center where ²⁵/₃₂-inch wood strip flooring is installed at right angles to joist.

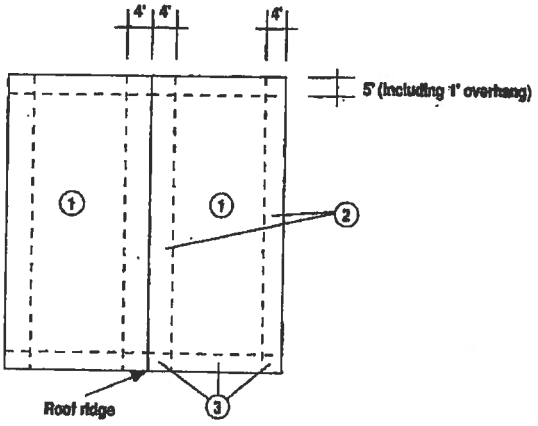


Figure 1

ROOF FASTENING ZONES FOR WIND UPLIFT

(Zones shown above indicate areas of the roof with different fastening requirements and should not be confused with ASCE 7 pressure coefficient zones.)

Region	Nails	Panel Location	Roof Fastening Zone		
			1	2	3
			Fastening Schedule (inches on center)		
High-Wind Uplift	8d common	Panel edges[a]	6	6	4[b]
		Panel field	6	6	6[b]
Intermediate Uplift	8d common	Panel edges[a]	6	6	4
		Panel field	12	6	6
Basic Uplift	8d common	Panel edges[a]	6	6	6
		Panel field	12	12	12

(a) Edge spacing also applies over roof framing at gable-end walls. (b) Use 3d ring-shank nails in this zone if mean roof height is greater than 25.

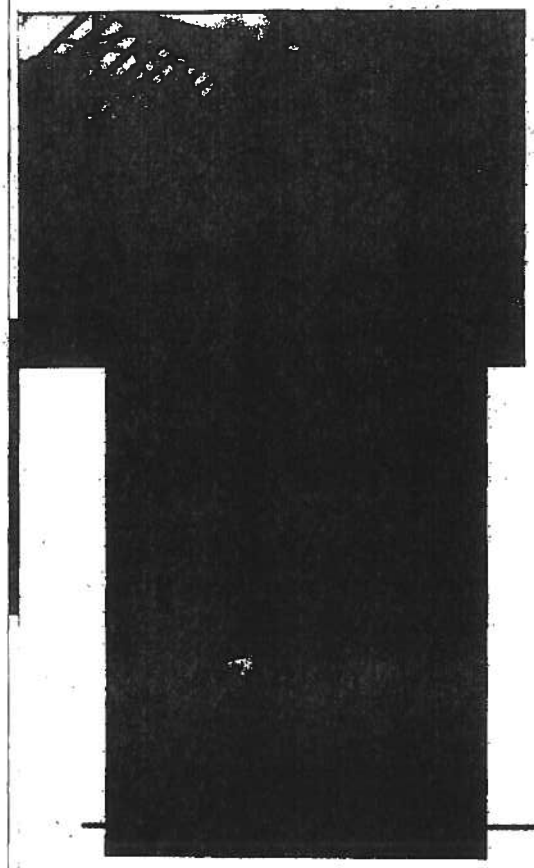
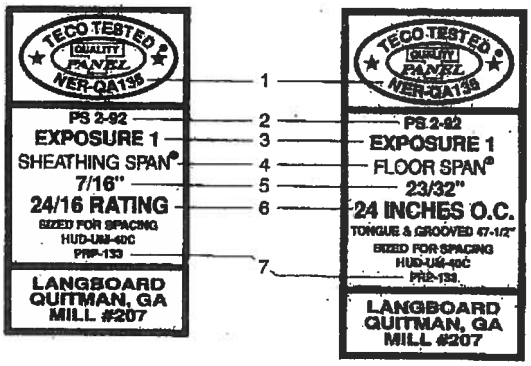


Table 3

ALLOWABLE SHEAR (plf) FOR HORIZONTAL WOOD STRUCTURAL PANEL DIAPHRAGMS WITH FRAMING OF DOUGLAS FIR, LARCH OR SOUTHERN PINE FOR WIND OR SEISMIC LOADING[1]

Wood Structural Panel Grade	Staple or Common Nail Size	Minimum Nominal Penetration in Framing (in)	Minimum Nominal Panel Thickness (in)	Minimum Nominal Width of Framing Member (in)	Lines of Fasteners	UNBLOCKED DIAPHRAGMS: Nails spaced 6" max. at supported edges — Case 1 (No Unblocked Edges or Cont. Joints Parallel to Load)	UNBLOCKED DIAPHRAGMS: Nails spaced 6" max. at supported edges — All other cases (2,3,4,5 & 6)
Structural I Sheathing Exp 1 or Ext	6d	1 1/4	1/4 or 5/16	2 3	1 1	165 185	125 140
	8d	1 1/2	3/8	2 3	1 1	240 265	180 200
	10d	1 5/8	15/32	2 3	1 1	285 320	215 240
	10d	1 5/8	23/32	3 4 4	2 2 3		
	14 ga Staples	2	23/32	3 4	2 3		
C-C Exterior, and other grades covered in PS 1.	6d	1 1/4	5/16	2 3	1 1	150 170	110 125
			3/8	2 3	1 1	165 185	125 140
	8d	1 1/2	3/8	2 3	1 1	215 240	160 180
			15/32	2 3	1 1	240 265	180 200



1. National Evaluation Service Report Number
2. Product Standard that governs specifics of production
3. Exposure Durability Classification
4. Panel Grade
5. Thickness
6. Span Rating
7. Product Rating Procedure

Langboard OSB structural wood based panels are interchangeable with veneer panels of equal design value. Langboard OSB panels meet the demanding requirements of the SBCCI Standard Building Code. Qualification and acceptance in the Standard Building Code and SSTD 10-93 (Prescriptive Design Methods for High Wind Load Areas) is recognized through National Evaluation Service Report No. NER-QA135.

Table 2 - Roof Diaphragm Requirements

Maximum Distance Between Shearwalls	90 mph	100 mph	110 mph
	Shear Capacity of Sheathing Material (plf)		
W	120	150	180
2W	120	150	180
3W	150	185	220
4W	195	240	290

W = Building Width

EXCEPTION: The values in the table above assume an 8 ft. wall height. When using a wall height of 10 ft., the required shear capacity shall be increased by 25%.

Colson Printing Co. 35204

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 12-3S-15-00167-204 Building permit No. 000025108

Use Classification SFD,UTILITY Fire: 33.48

Permit Holder JAY MILTON Waste: 100.50

Owner of Building ROBERT CARTER Total: 133.98

Location: 214 NW INDIAN POND COURT

Date: 04/27/2007

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)