CL#1335

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0605-48 Date Received 5/12/06 By G Permit # 104/24598

Application Approved by - Zoning Official BLK Date 5-12-06 Plans Examiner OKJTH Date 5-16-06

Flood Zone X Per FIRM Development Permit N/A Zoning RSF2 ✓ Land Use Plan Map Category Res. ✓ Low Den.

Comments

Applicants Name Mark Haddox Phone 755-2411

Address PO Box 3535 Lake City FL 32056

Owners Name William G. Wood Phone 755-8699

911 Address 222 SW Woodleaf Ct. Lake City, FL 32024

Contractors Name William G Wood Phone 755-2411

Address PO Box 3535 Lake City FL 32056

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Mark Disosway

Mortgage Lenders Name & Address Columbia County Bank

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

Property ID Number 33-3S-16-02438-~~00~~133 Estimated Cost of Construction 120,000.00

Subdivision Name Emerald Cove Lot 38 Block ____ Unit ____ Phase 2

Driving Directions Hwy 90 West to Emerald Cove Sub. turn onto SW Heathridge DR Go to SW Woodleaf Court 5th lot on Right lot 38

Type of Construction Frame & Brick Number of Existing Dwellings on Property 0

Total Acreage 1/2 ac Lot Size .50 acres Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 30' Side 25' Side 30' Rear 100'

Total Building Height 18'2" Number of Stories 1 Heated Floor Area 1696 Roof Pitch 6/12

Porch 434 GARAGE 530 TOTAL 2660

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 NICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number CBC 058182

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me

this 12 day of May 20 06.

Personally known ✓ or Produced Identification

Brenda Terry
My Commission DD293888
Expires February 24, 2008

Notary Signature

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

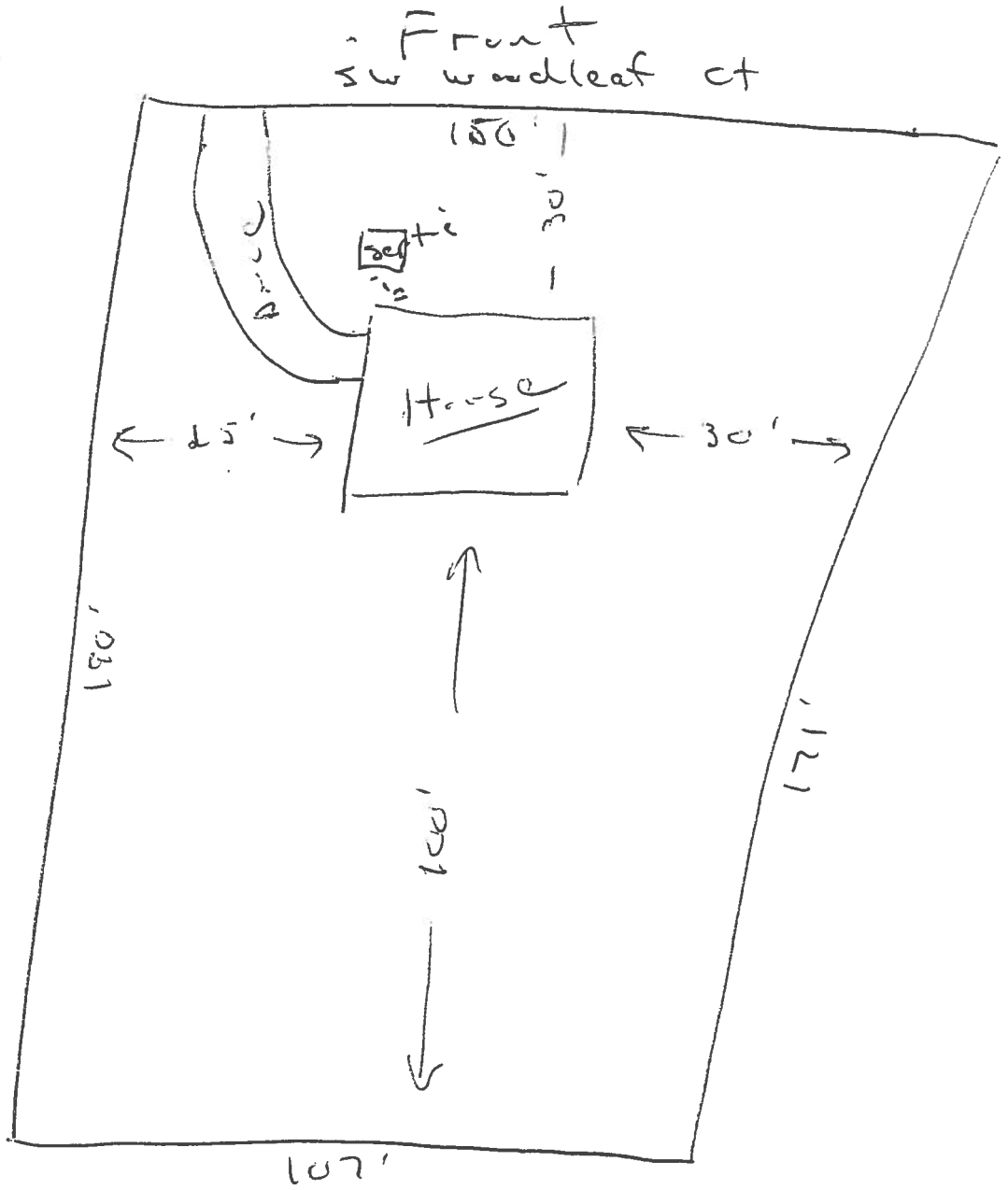
LOT#:	ADDRESS:
24	243 SW Woodleaf Ct
25	263 SW Woodleaf Ct
26	285 SW Woodleaf Ct
27	303 SW Woodleaf Ct
28	323 SW Woodleaf Ct
29	345 SW Woodleaf Ct
30	361 SW Woodleaf Ct
31	369 SW Woodleaf Ct
32	368 SW Woodleaf Ct
33	360 SW Woodleaf Ct
34	336 SW Woodleaf Ct
35	306 SW Woodleaf Ct
36	282 SW Woodleaf Ct
37	254 SW Woodleaf Ct
38	222 SW Woodleaf Ct
48	221 SW Fieldstone Ct
49	239 SW Fieldstone Ct
50	265 SW Fieldstone Ct
51	301 SW Fieldstone Ct
52	331 SW Fieldstone Ct
53	359 SW Fieldstone Ct
54	377 SW Fieldstone Ct
55	385 SW Fieldstone Ct
56	376 SW Fieldstone Ct
57	364 SW Fieldstone Ct
58	344 SW Fieldstone Ct
59	328 SW Fieldstone Ct
60	310 SW Fieldstone Ct
61	290 SW Fieldstone Ct
62	264 SW Fieldstone Ct
63	238 SW Fieldstone Ct
62	220 SW Fieldstone Ct
75	251 SW Timberland Ct
76	267 SW Timberland Ct
77	285 SW Timberland Ct
78	305 SW Timberland Ct
79	325 SW Timberland Ct
80	347 SW Timberland Ct

Emerald Cove Phase 2 Address Assignments:

LOT#:	ADDRESS:
81	367 SW Timberland Ct
82	387 SW Timberland Ct
83	395 SW Timberland Ct
84	394 SW Timberland Ct

LOT#:	ADDRESS:
85	386 SW Timberland Ct
86	366 SW Timberland Ct
87	346 SW Timberland Ct
88	322 SW Timberland Ct
89	302 SW Timberland Ct
90	280 SW Timberland Ct
91	262 SW Timberland Ct
92	242 SW Timberland Ct

Lot 35
Emerald Cove
Parcel # 33-35-16-02438-



FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**EMERALD COVE 38**	Builder:	**WOODMAN PARK BUILDE**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	,	Permit Number:	24598
Owner:	**WOODMAN PARK BUILDERS**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	1696 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)	7a. Description (Dble Default) Area 160.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 195.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 165.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.2, 1269.0 ft²	
b.	Frame, Wood, Adjacent	R=12.9, 176.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 1696.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 60.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 36.0 kBtu/hr SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	PTHP	Cap: 36.0 kBtu/hr COP: 3.50	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons EF: 0.93	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.11

Total as-built points: 19288
Total base points: 26170

PASS

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

PREPARED BY: Larry Resmondo A/C

DATE: May 9, 2006

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: , , , 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	1696.0	20.04	6117.8	Double, Clear	E	1.5	6.0	60.0	42.06	0.91	2303.6
				Double, Clear	W	1.5	6.0	30.0	38.52	0.91	1055.6
				Single, Clear	W	9.0	8.0	35.0	43.84	0.50	766.0
				Double, Clear	N	1.5	6.0	30.0	19.20	0.94	540.7
				Double, Clear	S	1.5	5.0	16.0	35.87	0.81	463.1
				Double, Clear	W	9.0	6.0	15.0	38.52	0.45	259.3
				Double, Clear	W	9.0	4.0	9.0	38.52	0.40	137.8
				As-Built Total:				**195.0**			**5526.0**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	176.0	0.70	123.2	Frame, Wood, Exterior	13.2	1269.0	1.48	1878.1
Exterior	1269.0	1.70	2157.3	Frame, Wood, Adjacent	12.9	176.0	0.61	106.5
Base Total:	**1445.0**		**2280.5**	**As-Built Total:**		**1445.0**		**1984.6**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	21.0	2.40	50.4	Exterior Wood	21.0	6.10	128.1
Exterior	21.0	6.10	128.1	Adjacent Wood	21.0	2.40	50.4
Base Total:	**42.0**		**178.5**	**As-Built Total:**	**42.0**		**178.5**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1696.0	1.73	2934.1	Under Attic	30.0	1696.0	1.73 X 1.00	2934.1
Base Total:	**1696.0**		**2934.1**	**As-Built Total:**		**1696.0**		**2934.1**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	165.0(p)	-37.0	-6105.0	Slab-On-Grade Edge Insulation	0.0	165.0(p	-41.20	-6798.0
Raised	0.0	0.00	0.0					
Base Total:			**-6105.0**	**As-Built Total:**		**165.0**		**-6798.0**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	1696.0	10.21	17316.2	1696.0	10.21	17316.2

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 22722.1			**Summer As-Built Points:**					**21141.4**
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 36000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			21141	1.00	(1.09 x 1.147 x 0.91)	0.263	1.000	6314.8
22722.1	**0.4266**	**9693.2**	**21141.4**	**1.00**	**1.138**	**0.263**	**1.000**	**6314.8**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1696.0	12.74	3889.3	Double, Clear	E	1.5	6.0	60.0	18.79	1.04	1167.6	
				Double, Clear	W	1.5	6.0	30.0	20.73	1.02	636.4	
				Single, Clear	W	9.0	8.0	35.0	28.84	1.18	1192.0	
				Double, Clear	N	1.5	6.0	30.0	24.58	1.00	739.1	
				Double, Clear	S	1.5	5.0	16.0	13.30	1.20	254.7	
				Double, Clear	W	9.0	6.0	15.0	20.73	1.20	374.4	
				Double, Clear	W	9.0	4.0	9.0	20.73	1.23	229.0	
				As-Built Total:				**195.0**			**4593.3**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	176.0	3.60	633.6	Frame, Wood, Exterior			13.2	1269.0	3.36		4263.8	
Exterior	1269.0	3.70	4695.3	Frame, Wood, Adjacent			12.9	176.0	3.32		583.4	
Base Total:	**1445.0**		**5328.9**	**As-Built Total:**				**1445.0**			**4847.3**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	21.0	11.50	241.5	Exterior Wood				21.0	12.30		258.3	
Exterior	21.0	12.30	258.3	Adjacent Wood				21.0	11.50		241.5	
Base Total:	**42.0**		**499.8**	**As-Built Total:**				**42.0**			**499.8**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1696.0	2.05	3476.8	Under Attic			30.0	1696.0	2.05 X	1.00	3476.8	
Base Total:	**1696.0**		**3476.8**	**As-Built Total:**				**1696.0**			**3476.8**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	165.0(p)	8.9	1468.5	Slab-On-Grade Edge Insulation			0.0	165.0(p	18.80		3102.0	
Raised	0.0	0.00	0.0									
Base Total:			**1468.5**	**As-Built Total:**				**165.0**			**3102.0**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1696.0	-0.59	-1000.6					1696.0	-0.59		-1000.6	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**13662.6**	**Winter As-Built Points:**					**15518.5**
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: PTHP 36000 btuh ,EFF(3.5) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
13662.6	0.6274	8571.9	15518.5	1.000	(1.069 x 1.169 x 0.93)	0.286	1.000	5153.0
			15518.5	**1.00**	**1.162**	**0.286**	**1.000**	**5153.0**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3	2635.00	7905.0		50.0	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
9693	**8572**	**7905**	**26170**	**6315**	**5153**	**7820**	**19288**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.8

The higher the score, the more efficient the home.

WOODMAN PARK BUILDERS, , , ,

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	1696 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)	7a. (Dble Default) 160.0 ft²	
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 195.0 ft²	
8.	Floor types		
	a. Slab-On-Grade Edge Insulation	R=0.0, 165.0(p) ft	
	b. N/A		
	c. N/A		
9.	Wall types		
	a. Frame, Wood, Exterior	R=13.2, 1269.0 ft²	
	b. Frame, Wood, Adjacent	R=12.9, 176.0 ft²	
	c. N/A		
	d. N/A		
	e. N/A		
10.	Ceiling types		
	a. Under Attic	R=30.0, 1696.0 ft²	
	b. N/A		
	c. N/A		
11.	Ducts		
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 60.0 ft	
	b. N/A		

12.	Cooling systems		
	a. Central Unit	Cap: 36.0 kBtu/hr	
		SEER: 13.00	
	b. N/A		
	c. N/A		
13.	Heating systems		
	a. PTHP	Cap: 36.0 kBtu/hr	
		COP: 3.50	
	b. N/A		
	c. N/A		
14.	Hot water systems		
	a. Electric Resistance	Cap: 50.0 gallons	
		EF: 0.93	
	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)		

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.

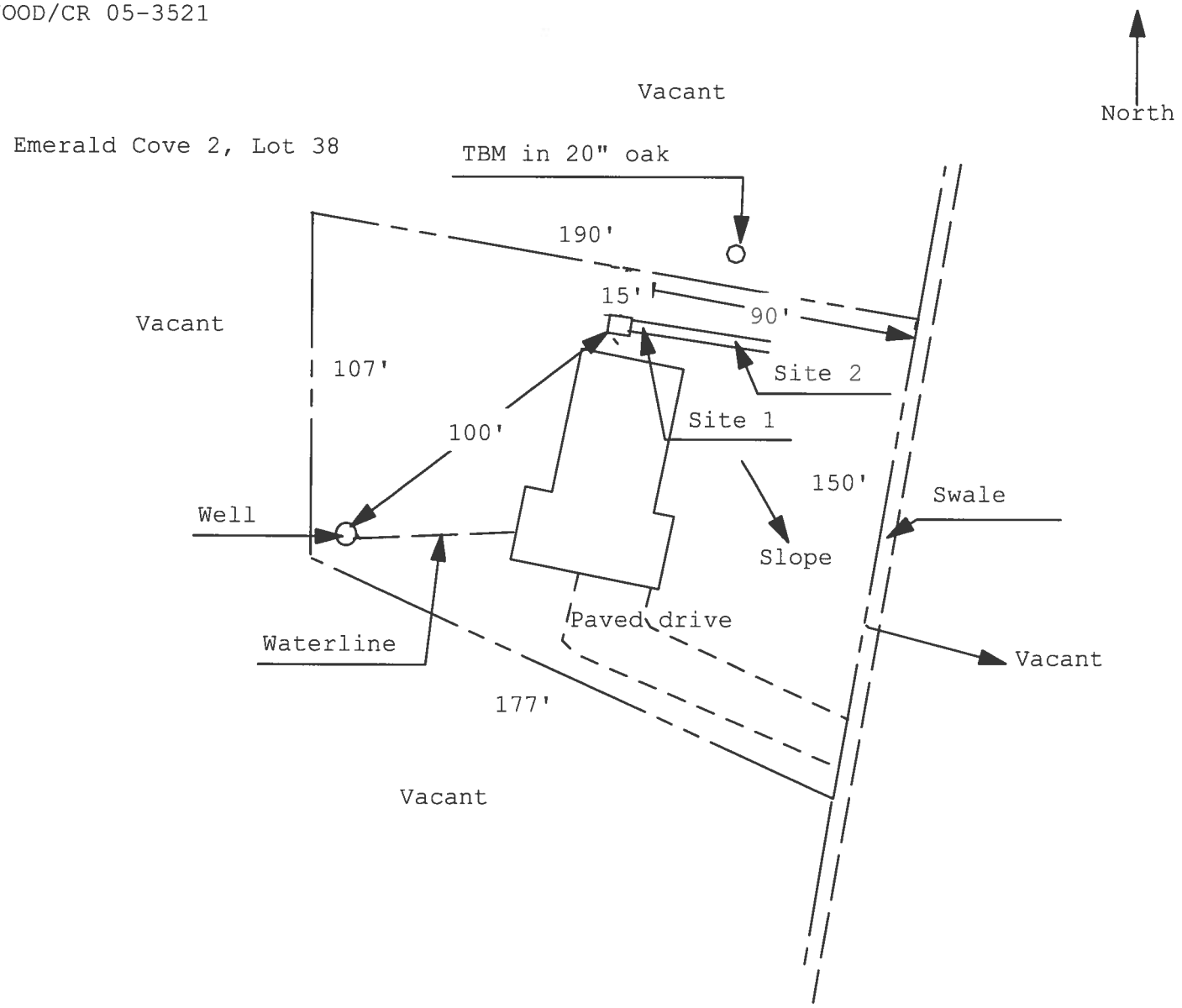
1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

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

Permit Application Number: 06-0472N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

WOOD/CR 05-3521



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 5/9/06

Plan Approved X **Not Approved** ____ **Date** 5-12-06

By Sallie Gladdy · ES II Columbia CHD **CPHU**

Notes: ____

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001105

DATE 06/06/2006 PARCEL ID # 14-4S-17-08354-128

APPLICANT MARK HADDOX PHONE 755-2411

ADDRESS P.O. BOX 3535 LAKE CITY FL 32056

OWNER MARK HADDOX PHONE 755-8699

ADDRESS 2709 SE CR 245 LAKE CITY FL 32025

CONTRACTOR WILLIAM WOOD PHONE 755-2411

LOCATION OF PROPERTY 90E, TR ON 100, TR ON 245, CORNER LOT OF CR 245 AND TOMCAT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT PRICE CREEK LANDING 28

SIGNATURE Mark Haddox

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

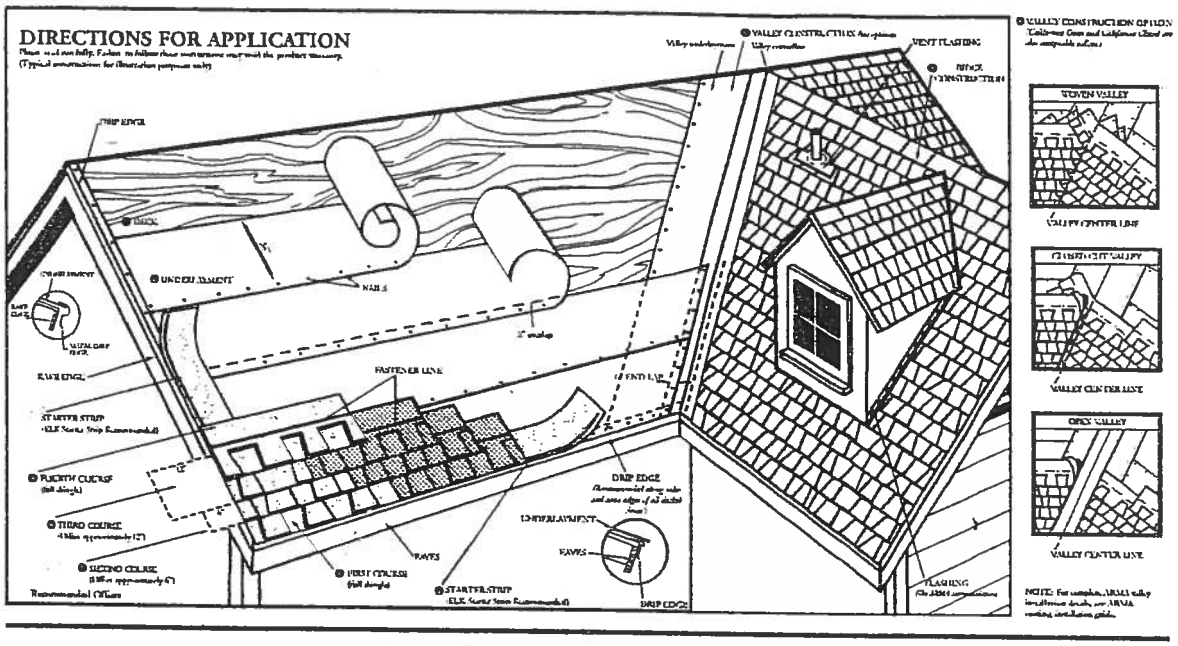
[ ] Other _____

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

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

Amount Paid 25.00

COLUMBIA COUNTY FLORIDA



DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

❶ DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

❷ UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Elk Versashield® or self adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slope(2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Technical Services Department for application specifications over other decks and other slopes.

❸ STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR THE HEADLAP OF A STRIP SHINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 3" trimmed from the end of the first shingle, start at the rake edge overhanging the eave and rake edges 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

❹ FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof

❺ SECOND COURSE

Offset the second course of shingles with respect to the first by approximately 6". Other offsets are approved if greater than 4".

❻ THIRD COURSE

Offset the next course by 6" with respect to the second course, or consistent with the original offset.

❼ FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

❽ VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

❾ RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z®Ridge or Seal-A-Ridge® with formula *FLX*™ or RidgeCrest™ with *FLX* (See ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for roof-overs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 18-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

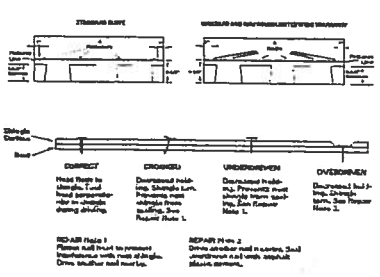
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.

HELP STOP BLOW-OFFS AND CALL-BACKS

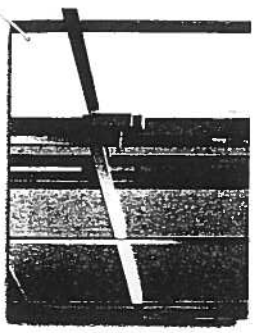
A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.
All Prestique and Raised Profile shingles have a U.L® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALER: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

ELK
The Premium Choice
www.elkcorp.com

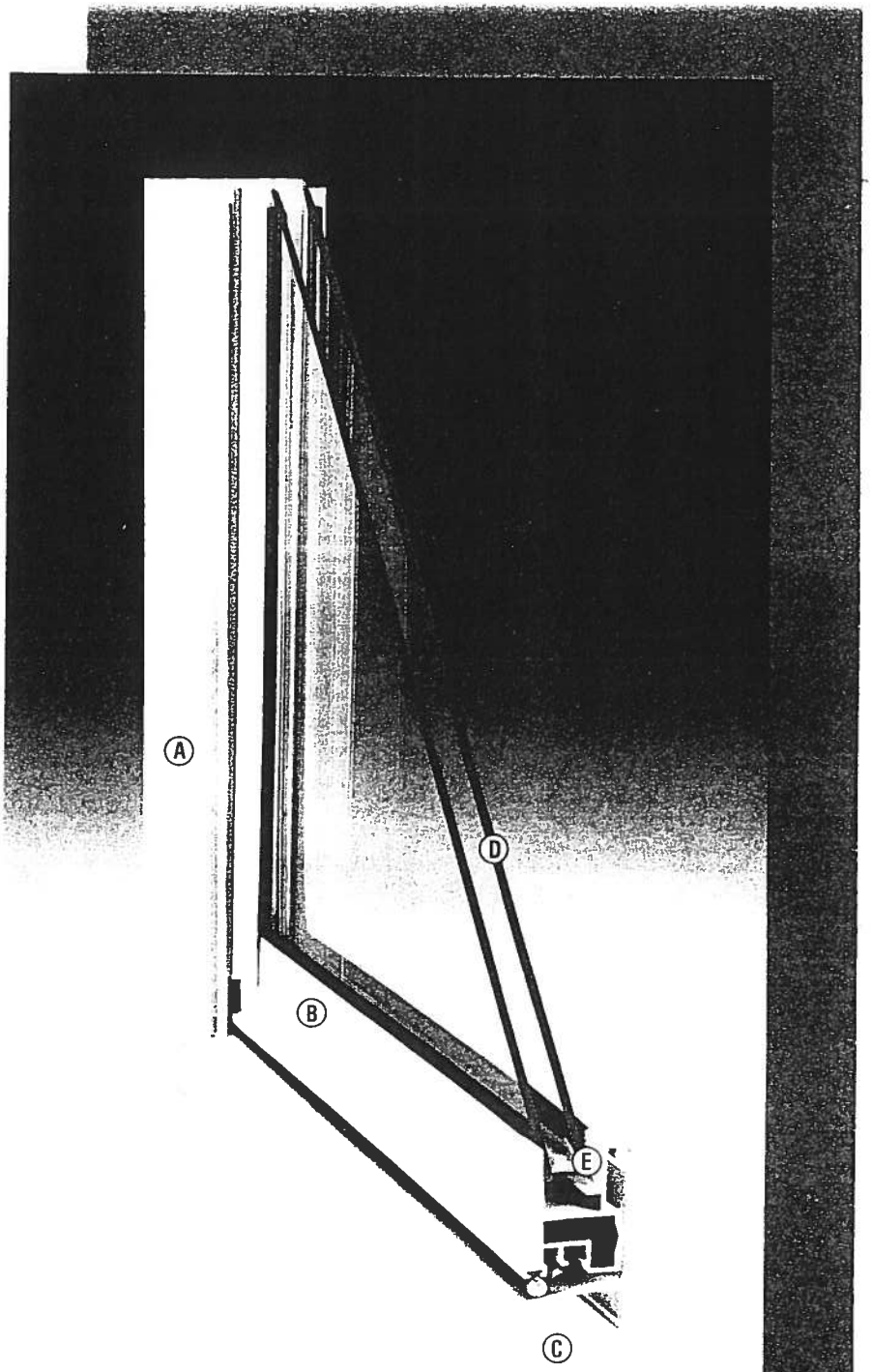


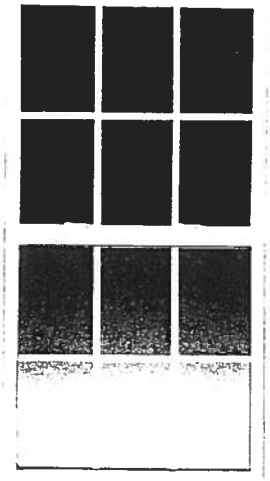
650 SERIES

Non-Thermal Single Hung Aluminum Windows

Ideal for warmer climates, this durable single hung offers plenty of features.

- Aluminum Tilt-Single Hung
- Block & Tackle Balance
- Sweep Lock System at Meeting Rail
- Inside Removable Meeting Rail for Easy Drywall Pass Thru.
- Interlock System at Meeting Rail
- Optional Decorative Grids Between the Glass
- Complete Specialty Window and Mulling Accessories Available
- AAMA Labeled and NFRC Certified





A Aluminum Main Frame

B Aluminum Sash

C 2 3/8" Frame Depth

D 5/8" Insulated Glass

E Removable Bottom Glass Is Marine Glazed In Sash Frame
Removable Top Glass Is Drop-In Tape Glazed In Main Frame

CAPITOL™
WINDOWS AND DOORS

650 SERIES

Single Hung Opening Specifications

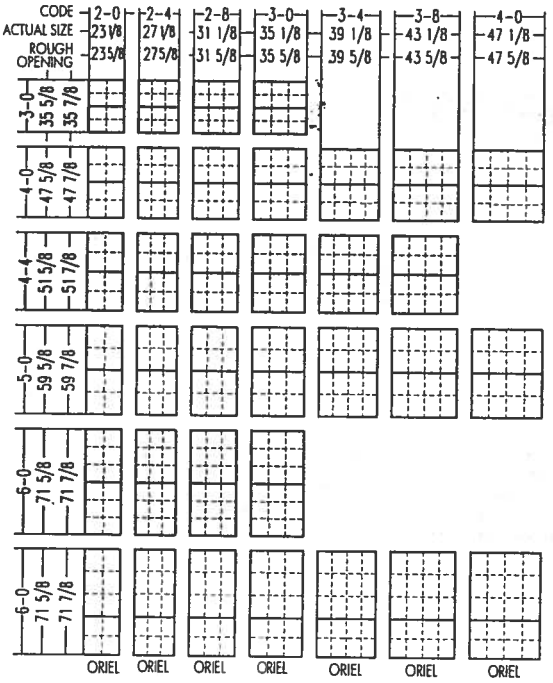
NOMINAL UNIT SIZE	SASH RAISED SQ. FT. CLEAR OPENING	SASH RAISED CLEAR OPENING WIDTH X HEIGHT (INCH x INCH)	SASH REMOVED SQ. FT. CLEAR OPENING	SASH REMOVED CLEAR OPENING WIDTH X HEIGHT (INCH x INCH)	VENT AREA SQ. FT.	VISIBLE LITE SQ. FT.	SCREEN SIZE WIDTH x HEIGHT	GLASS SIZE WIDTH x HEIGHT
2'0 x 3'0	1.68	18 1/8 x 13 5/16	1.93	18 1/8 x 15 5/16	1.91	3.72	19 1/4 x 17	19 x 16
2'0 x 4'0	2.43	18 1/8 x 19 5/16	2.68	18 1/8 x 21 5/16	2.65	5.21	19 1/4 x 23	19 x 22
2'0 x 4'4	2.68	18 1/8 x 21 5/16	2.93	18 1/8 x 23 5/16	2.90	5.71	19 1/4 x 25	19 x 24
2'0 x 5'0	3.19	18 1/8 x 25 5/16	3.44	18 1/8 x 27 5/16	3.39	6.70	19 1/4 x 29	19 x 28
2'0 x 6'0	3.94	18 1/8 x 31 5/16	4.19	18 1/8 x 33 5/16	4.13	8.19	19 1/4 x 35	19 x 34
2'0 x 6'0 ORIEL	3.19	18 1/8 x 25 5/16	3.44	18 1/8 x 27 5/16	3.39	8.19	19 1/4 x 29	19 x 40 TOP 19 x 28 BOTTOM
2'4 x 3'0	2.05	22 1/8 x 13 5/16	2.35	22 1/8 x 15 5/16	2.34	4.56	23 1/4 x 17	23 x 16
2'4 x 4'0	2.97	22 1/8 x 19 5/16	3.27	22 1/8 x 21 5/16	3.25	6.38	23 1/4 x 23	23 x 22
2'4 x 4'0	3.27	22 1/8 x 21 5/16	3.58	22 1/8 x 23 5/16	3.55	6.99	23 1/4 x 25	23 x 24
2'4 x 5'0	3.89	22 1/8 x 25 5/16	4.20	22 1/8 x 27 5/16	4.15	8.20	23 1/4 x 29	23 x 28
2'4 x 6'0	4.81	22 1/8 x 31 5/16	5.12	22 1/8 x 33 5/16	5.06	10.03	23 1/4 x 35	23 x 34
2'4 x 6'0 ORIEL	3.89	22 1/8 x 25 5/16	4.20	22 1/8 x 27 5/16	4.15	10.03	23 1/4 x 29	23 x 40 TOP 23 x 28 BOTTOM
2'8 x 3'0	2.42	26 1/8 x 13 5/16	2.78	26 1/8 x 15 5/16	2.77	5.39	27 1/4 x 17	27 x 16
2'8 x 4'0	3.50	26 1/8 x 19 5/16	3.87	26 1/8 x 21 5/16	3.84	7.55	27 1/4 x 23	27 x 22
2'8 x 4'4	3.87	26 1/8 x 21 5/16	4.23	26 1/8 x 23 5/16	4.20	8.27	27 1/4 x 25	27 x 24
2'8 x 5'0	4.59	26 1/8 x 25 5/16	4.96	26 1/8 x 27 5/16	4.92	9.70	27 1/4 x 29	27 x 28
2'8 x 6'0	5.68	26 1/8 x 31 5/16	6.04	26 1/8 x 33 5/16	5.99	11.86	27 1/4 x 35	27 x 34
2'8 x 6'0 ORIEL	4.59	26 1/8 x 25 5/16	4.96	26 1/8 x 27 5/16	4.92	11.86	27 1/4 x 29	27 x 40 TOP 27 x 28 BOTTOM
3'0 x 3'0	2.78	30 1/8 x 13 5/16	3.20	30 1/8 x 15 5/16	3.20	6.22	31 1/4 x 17	31 x 16
3'0 x 4'0	4.04	30 1/8 x 19 5/16	4.46	30 1/8 x 21 5/16	4.44	8.71	31 1/4 x 23	31 x 22
3'0 x 4'4	4.46	30 1/8 x 21 5/16	4.88	30 1/8 x 23 5/16	4.86	9.54	31 1/4 x 25	31 x 24
3'0 x 5'0	5.30	30 1/8 x 25 5/16	5.71	30 1/8 x 27 5/16	5.68	11.20	31 1/4 x 29	31 x 28
3'0 x 6'0	6.55	30 1/8 x 31 5/16	6.97	30 1/8 x 33 5/16	6.92	13.69	31 1/4 x 35	31 x 34
3'0 x 6'0 ORIEL	5.30	30 1/8 x 25 5/16	5.71	30 1/8 x 27 5/16	5.68	13.69	31 1/4 x 29	31 x 40 TOP 31 x 28 BOTTOM
3'4 x 4'0	4.58	34 1/8 x 19 5/16	5.05	34 1/8 x 21 5/16	5.04	9.88	35 1/4 x 23	35 x 22
3'4 x 4'4	5.05	34 1/8 x 21 5/16	5.52	34 1/8 x 23 5/16	5.51	10.82	35 1/4 x 25	35 x 24
3'4 x 5'0	6.00	34 1/8 x 25 5/16	6.47	34 1/8 x 27 5/16	6.45	12.70	35 1/4 x 29	35 x 28
3'4 x 6'0 ORIEL	6.00	34 1/8 x 25 5/16	6.47	34 1/8 x 27 5/16	6.45	15.53	35 1/4 x 29	35 x 40 TOP 35 x 28 BOTTOM
3'8 x 4'0	5.11	38 1/8 x 19 5/16	5.64	38 1/8 x 21 5/16	5.64	11.05	39 1/4 x 23	39 x 22
3'8 x 4'4	5.64	38 1/8 x 21 5/16	6.17	38 1/8 x 23 5/16	6.16	12.10	39 1/4 x 25	39 x 24
3'8 x 5'0	6.70	38 1/8 x 25 5/16	7.23	38 1/8 x 27 5/16	7.21	14.20	39 1/4 x 29	39 x 28
3'8 x 6'0 ORIEL	6.70	38 1/8 x 25 5/16	7.23	38 1/8 x 27 5/16	7.21	17.36	39 1/4 x 29	39 x 40 TOP 39 x 28 BOTTOM
4'0 x 4'0	5.65	42 1/8 x 19 5/16	6.23	42 1/8 x 21 5/16	6.23	12.21	43 1/4 x 23	43 x 22
4'0 x 5'0	7.40	42 1/8 x 25 5/16	7.99	42 1/8 x 27 5/16	7.97	15.70	43 1/4 x 29	43 x 28
4'0 x 6'0 ORIEL	7.40	42 1/8 x 25 5/16	7.99	42 1/8 x 27 5/16	7.97	15.70	43 1/4 x 29	43 x 40 TOP 43 x 28 BOTTOM

CAPITOL™
WINDOWS AND DOORS

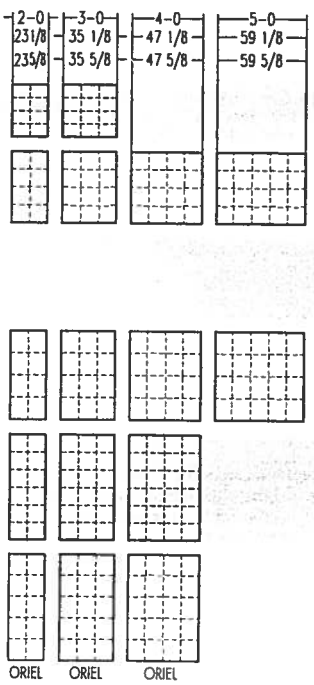
650 SERIES

Non-Thermal Aluminum Single Hung & Specialty - Standard Window Unit Sizes Available

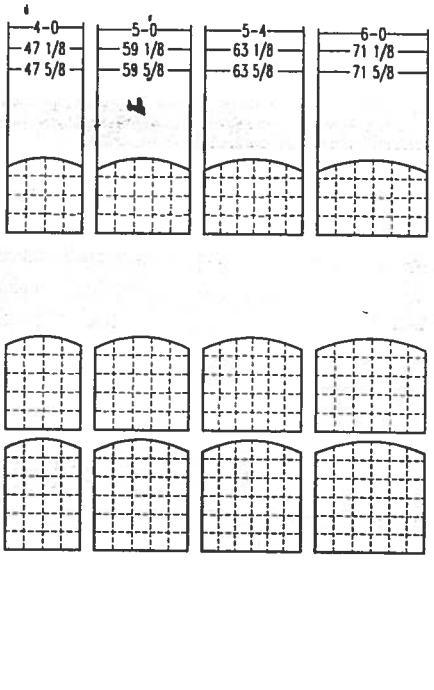
SINGLE HUNG WINDOW SIZES



PICTURE WINDOW SIZES



ARCH TOP SIZES



AAMA MEMBER

QUALITY CONTROL & TESTING

AAMA CERTIFICATION PROGRAM

ACCREDITED BY: AMERICAN NATIONAL STANDARDS INSTITUTE

Validator: ALI®

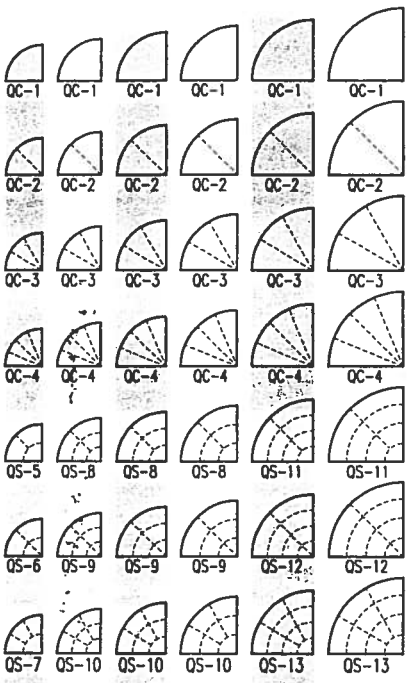
CODE: MTL-4

NFRC National Fenestration Rating Council CERTIFIED

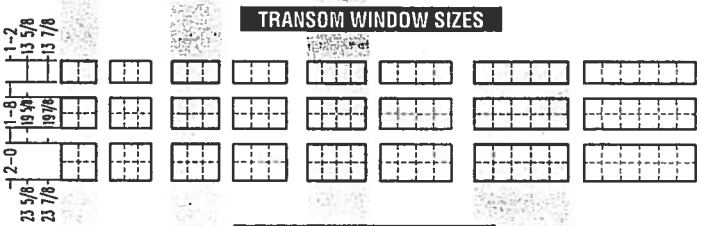
Energy Star EPA DOE

Some products may require special glazing options to meet certain Energy Star criteria. Contact your sales representative for more information.

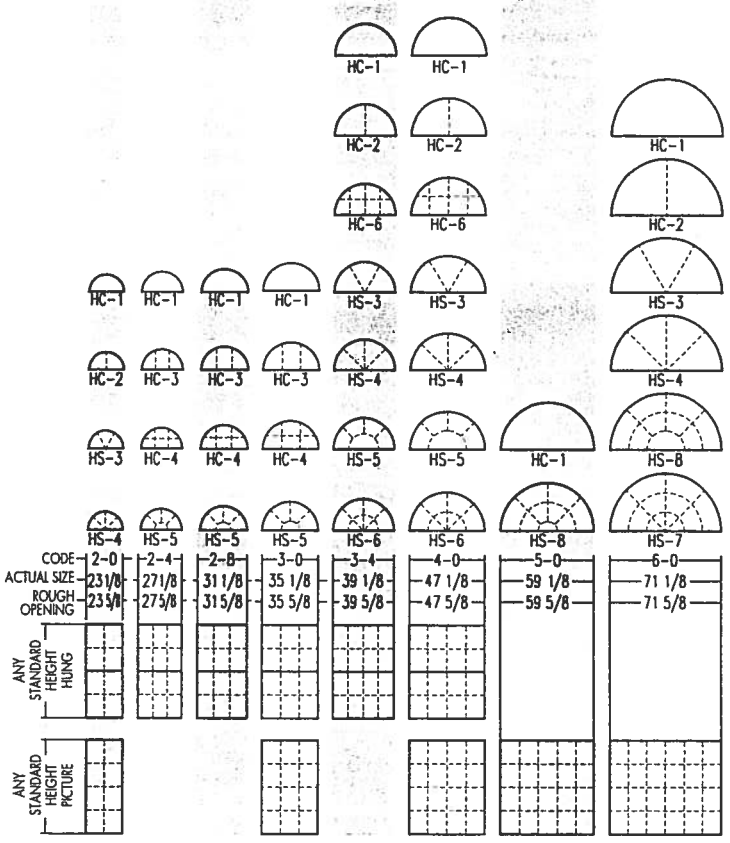
QUARTER CIRCLE WINDOW SIZES



TRANSOM WINDOW SIZES

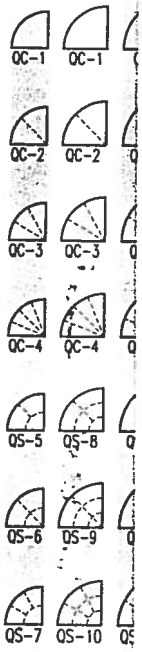


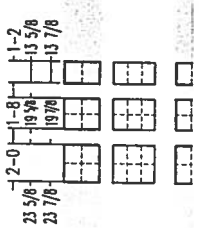
CIRCLE TOP WINDOW SIZES

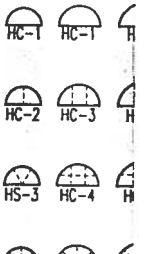


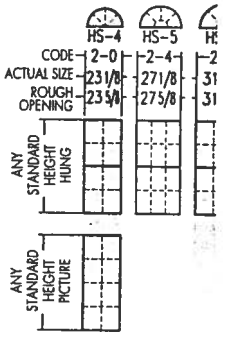
NOTE: Actual height of circle top = Actual width divided by 2 + 9/16"
Rough Opening height of circle top = Actual Height (calculated above) + 1/2"

QUART









NOTE: Actu
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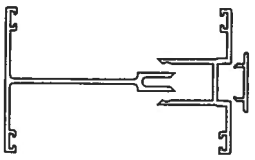
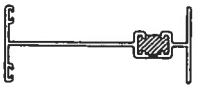
650 SERIES

Non-Thermal Single Hung Aluminum Windows

MULLIONS AVAILABLE

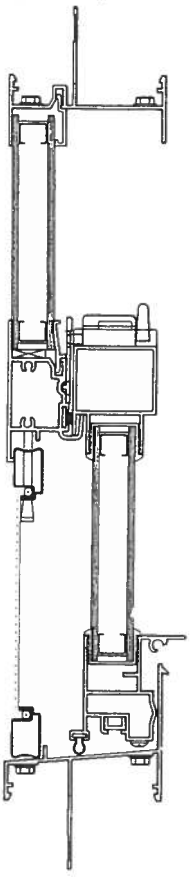


CM–45028
CM–45029 3-PIECE
CM–45030
11/16" ADD ON

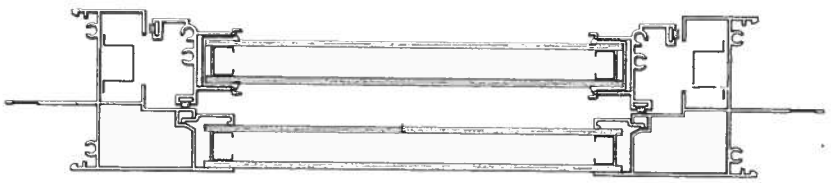


CM–65024 H–MULL
1/8" ADD ON

VERTICAL DETAIL



HORIZONTAL DETAIL



00RS

MIAMI-DADE

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

COMPLIANCE OR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2555

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Premdor Entry Systems
One Premdor Drive
Dickson ,TN 37055

Your application for Notice of Acceptance (NOA) of:
Entergy SE Double Door w/sidelites-Inswing -Opaque-8'0" In a Wood Frame
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-1031.06
EXPIRES: 11/05/2006

Raul Rodriguez
Chief, Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 12/11/2001

Premdor Entry Systems

ACCEPTANCE No.: 01-1031.06

APPROVED: December 11, 2001

EXPIRES: November 5, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews Notice of Acceptance (NOA) No. 00-0720.10, which was issued on November 09, 2000. It renews the approval of a residential insulated steel door, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The Series **"Entergy" Inswing Opaque Double Residential Insulated Steel Doors(Metal Edge) with Sidelites 8' 0" High - Impact Resistant Door Slab Only** and its components shall be constructed in strict compliance with the following document: Drawing No 31-1034-EM-I, Sheets 1 through 6 of 6, titled "Premdor (Entergy Metal Edge) Double Door w/ Sidelites in Wood Frame w/ Bumper Threshold – 8' 0" Height (Inswing)," prepared by manufacturer, dated 6/15/98 and revised on 7/27/01, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications of pair of doors and single door with sidelites, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters):
Door Slab: The installation of this unit <u>will not require</u> a hurricane protective system.
Sidelites: The installation of these units <u>will require</u> a hurricane protective system.

5. LABELING

5.1 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".

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 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Raul Rodriguez, Chief
Product Control Division

Premdor Entry Systems

ACCEPTANCE No.: 01-1031.06

APPROVED: December 11, 2001

EXPIRES: November 5, 2006

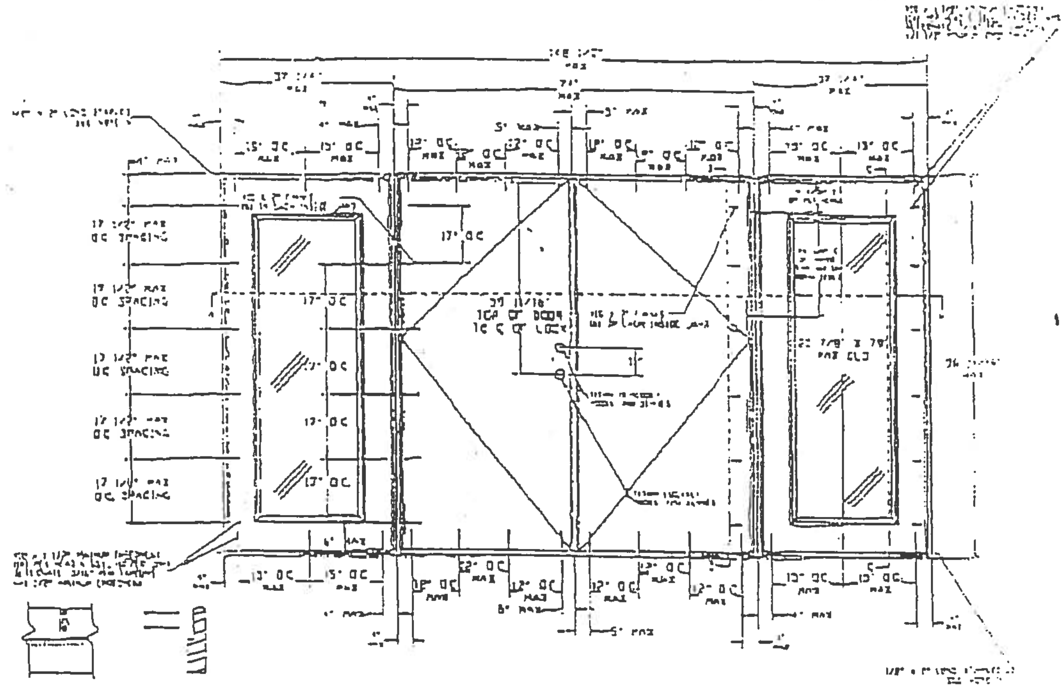
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
   a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
   b) The product is no longer the same product (identical) as the one originally approved;
   c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
   d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance.
   a) Unsatisfactory performance of this product or process.
   b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

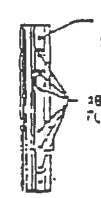
END OF THIS ACCEPTANCE

Raul Rodriguez, Chief
Product Control Division

PREMDOR (ENTERGY METAL EDGED) DOUBLE DOOR
WITH SIDELITES IN WOOD FRAMES
WITH BUMPER THRESHOLD-8'0" HEIGHT (INSWING)



ATTACH ASTRAGAL THROUGH BOLT STRIKE PLATE TO THE HEADER AND THRESHOLD WITH #12 x 2" FLATHEAD SCREWS



ASTRAGAL

NOTES:

1) WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
2) THE PRECEDING DRAWINGS ARE INTENDED TO QUALIFY THE FOLLOWING INSTALLATIONS.
A. WOOD FRAME CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD OPENING
B. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY STRUCTURAL WOOD BUCK
C. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE OR MASONRY WITH OR WITHOUT A NON-STRUCTURAL FLAT BY WOOD BUCK.
3. ALL ANCHORING SCREWS TO BE #10 WITH MINIMUM 1 1/2" EMBEDMENT INTO WOOD SUBSTRATE OR 3/16" PFH TAPCONS WITH 1 1/2" MINIMUM EMBEDMENT INTO MASONRY
4. GLAZED UNIT MUST BE INSTALLED WITH MIAMI-DADE COUNTY APPROVED SHUTTERS
5. THREE STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES AND DOOR, THREE STAPLES PER JAMB INTO THRESHOLD ON SIDELITES AND DOOR
6. LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE JAMBS AND SIDELITES
7. DOOR/SIDELITE HEADER, DOOR/SIDELITE JAMBS, AND SIDELITE BASE CORNERS ARE COPED AND BUTTED
8. DOORS SHALL BE PRE-PAINTED WITH AN ACRYLIC LATEX WATER-BASED/WATER-REDUCIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.
9. FRAMES SHALL BE PRE-PAINTED WITH A WATER-BASED EPOXY PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.

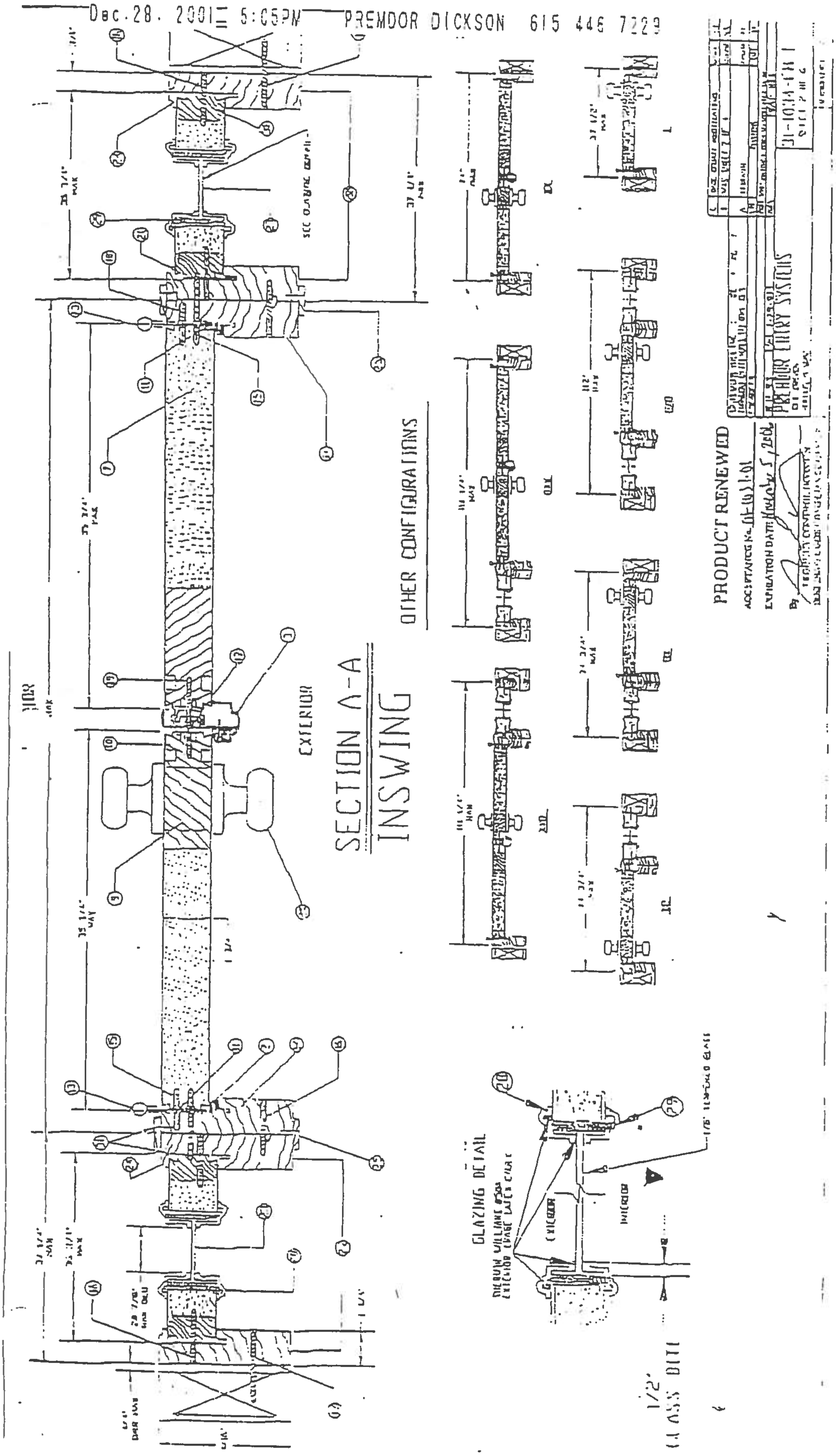
DESIGN PRESSURE RATINGS		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED *	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
Positive	NOT APPROVED *	+40.0 psf
Negative	NOT APPROVED *	-40.0 psf

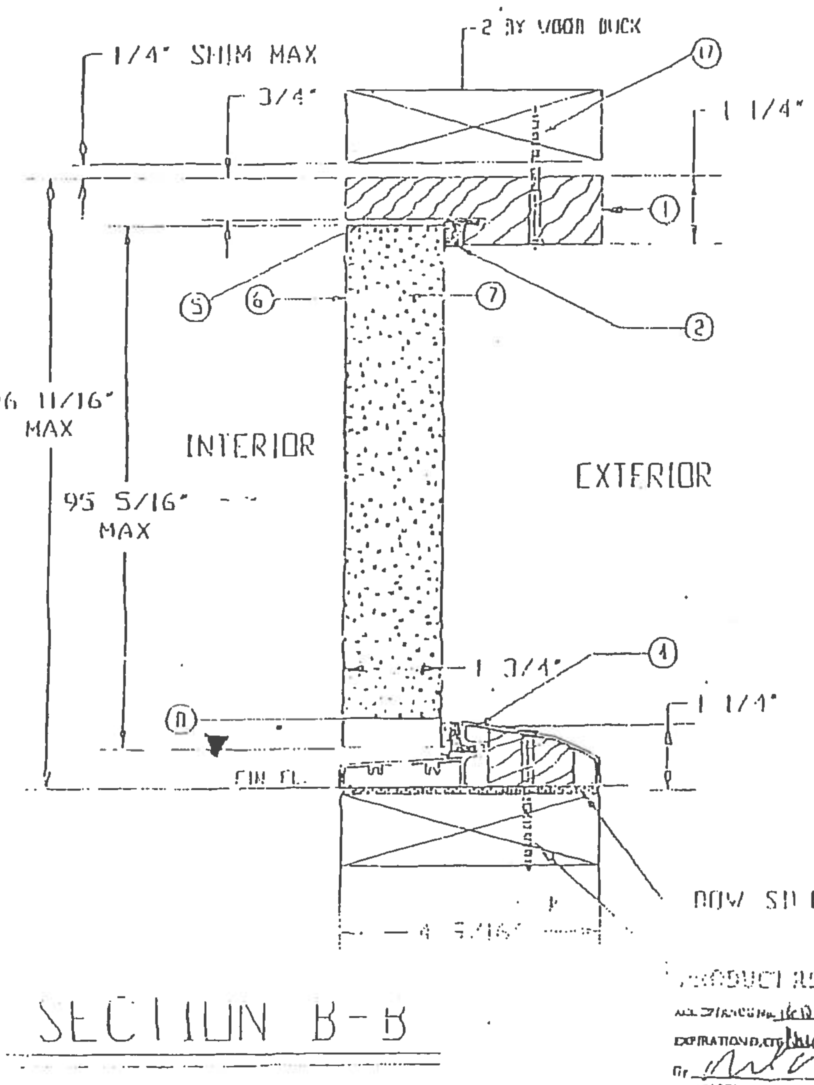
* UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

PRODUCT RENEWED
ACCEPTANCE No. 01-1031.06
EXPIRATION DATE November 5, 2006
BY [signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PREMDOR ENTRY SYSTEMS

BI-1034-EM-1
SHEET 1 OF 6


SECTION A-A
INSWING
EXTERIOR
OTHER CONFIGURATIONS
GLAZING DETAIL
1/2" GLASS BITE
PRODUCT RENEWED
PREMDOR ENTRY SYSTEMS



MATERIALS LIST

ITEM NO	DESCRIPTION	PART NUMBER	COMMENTS
1	WOOD HEAD JAMB	EX-14	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
2	COMPRESSION WEATHERSTRIP	EX-25	LOCKSCREEN BRAND LOXSEAL 3550 (ORIGINAL)
3	ALUMINUM ASTRAGAL	EX-12	PREMDOR BRAND OR EQUIVALENT - 5/16" ALUMINUM ASTRAGAL
4	ALUMINUM-BUMPER THRESHOLD	EX-15	PREMDOR BRAND OR EQUIVALENT - 1 1/4" x 4 9/16"
5	HIP CHANNEL	EX-08	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
6	STEEL SKIN	[illegible]	[illegible]
7	POLYURETHANE FOAM CORE	BASF FOAM - DENSITY 2.0 TO 2.5 lbs/ft³	
8	BOTTOM CHANNEL	EX-07	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
9	WOOD LOCK BLOCK	EX-05	4" X 1 1/2" MIN. TO BE PINE OR EQUIVALENT
10	STRIKE STILE	EX-05	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
11	HINGE STILE	EX-05	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
12	LOCK PREP FILLER PLATE	EX-13	PREMDOR BRAND - .050" THICK - [illegible]
13	4"x4" HINGE	EX-15	HAGER BRAND HINGE OR EQUIVALENT .097 THICK (STEEL)
14	WOOD HINGE JAMB	EX-13	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
15	#10-24 x 1/2" F.H.M.S.		(4) SCREWS PER HINGE INTO DOOR
16	#10 X 2" F.H.W.S.		[illegible] SCREWS THROUGH [illegible] JAMB [illegible] 12" OC. [illegible] / [illegible] SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" [illegible] TOP, MAX 12" OC. [illegible]
17	[illegible]		REFER TO ELEVATION VIEW, FOR # OF SCREWS EACH AND LOCATION
18	#10 X 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
19	#8 x 2" F.H.W.S.		(2) SCREWS AT EACH STRIKE PLATE
20	LOCKSET		TITAN LOCK 720 SERIES, TITAN DEADBOLT 700 SERIES
21	#10 X 1 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
22	WOOD SIDELITE JAMB	EX-10	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
23	22" X 80" SINGLE PANEL GLASS	EX-19	[illegible] GLASS IN POLYPROPYLENE FRAME - [illegible] 1/8" CLEAR TEMPERED GLASS
24	SIDELITE TRIM (WOOD)	EX-20	5/16 x 1/2" MIN. TO BE PINE OR EQUIVALENT
25	WOOD CASING	EX-21	1/2" x 1" MIN. TO BE PINE OR EQUIVALENT - [illegible] "SIDE BY SIDE JAMBS" AT MULLION
26	WOOD SIDELITE HEAD JAMB	EX-22	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
27	WOOD SIDELITE BASE	EX-23	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
28	POLYPROPYLENE LITE FRAME	[illegible]	HP Polypropylene by ODL
29	#6 X 1 1/2" PAN HEAD SCREWS		10 PER FRAME [illegible]
30	SIDELITE STILES	EX-26	15/16" X 1 11/16" MIN. TO BE PINE OR EQUIVALENT
31	PIN NAIL		[illegible]

D	DADE COUNTY MODIFICATIONS	[illegible]	[illegible]
C	WOOD TEST RESULTS	[illegible]	[illegible]
B	[illegible]	[illegible]	[illegible]
A	REDRAWN	[illegible]	[illegible]

SECTION B-B

PRODUCT RENEWED
[illegible]
EXPIRATION DATE [illegible]
By [illegible]
PRODUCT CONTROL DIVISION
MIAMI-DADE COUNTY BUILDING CODE COMPLIANCE OFFICE

PREMDOR ENTRY SYSTEMS
[illegible]

01-1034-EM 1
SHEET 3 OF 6

UTILITY DOOR PANEL STYLES

UTILITY SIDELITE STYLES

MASTER


AMTROL INC.
WEL-FLO®
Pre-pressurized
Water System Tanks
• Proven Diaphragm Design
• Tough Gloss Finish
• Sizes from 14 to 119 Gallons
• Outstanding Value
Wel-Flo

NEW Home Const ONly

Pump and Tank Code
Section 613
Well Pumps and Tanks used for private potable water systems
~~July 1, 2001~~ March 1, 2002

613.1 Pumps. Well pumps used for potable water shall comply with sections 613.1.1 and 613.1.2
613.1.1 Pump Installation. Pumps shall be installed for operation without re-priming or breaking suction. Pumps shall be connected to the well head by means of a union, companion flange or compression coupling in such a manner that it is accessible for maintenance, repair and, removal.
613.1.2 Pump Sizing. Minimum pump size shall be determined by table 613.1.

Table 613.1
Minimum Private Potable Water System Pump Size

	Bathrooms in Home				
	1	1 ½	2-2 ½	3-4	5-6
Minimum Pump Size	7gpm	10gpm	14gpm	17gpm	21gpm

Notes:
1. Values given are average and do not include high and low extremes
2. Installations over 6 bathrooms shall be approved by the code official

613.2 Pressure Tanks. Tanks relying on expansion of a flexible membrane within a restricting container, or tanks with direct water- to- air interface to provide pressure in the water system shall be used. All pressure tanks for storing potable water under pressure, including those having an airspace for pressure for expansion shall be identified by seal, label, or plate indicating the manufacturer's name and model number and shall meet the following specifications:

1. Pressure tank drawdown shall be a minimum of 1 gallon for every gallon produced by the pump (Example: 20 gallon per minute pump will require a draw of 20 gallons usable). Exceptions: Pump start applications, constant pressure devices and variable speed pumps.
2. Pressure tanks must be constructed of steel, fiberglass, or comparable materials. Tanks to be buried shall have a minimum wall thickness of ¼ inch and be built by the manufacture specifically for underground use. Fiberglass or other non-metallic tanks to be buried shall have the structural strength to prevent collapse.

613.3 Piping. Piping associated with well pumps and tanks shall comply with Sections 613.3.1 through 613.3.

613.3.1 Drop Pipe. The Drop pipe from the submersible pump to the first fitting past the well seal shall be either galvanized steel, stainless steel, or PVC Schedule 80 threaded/coupled or lock joint pipe. The drop pipe for a single (pipe) jet pump shall be either galvanized steel, or stainless steel. The drop pipe for a double (pipe) jet shall be galvanized steel, stainless steel on the suction side and/or minimum PVC Schedule 40 on the pressure side.

613.3.2 Pump Discharge pipe sizing. For submersible pumps, pipe size shall be equal to the pump discharge. Piping for all other types of pumps shall be sized in accordance to the manufacturers' specifications.

613.3.3 Pressure Tank Pipe Sizing. Piping size for the offset of the pressure tank shall use the piping friction loss charts for the piping material used.

613.4 Electrical wiring. All wiring shall be installed in accordance with chapter 27 of the Florida Building code and NFPA 70.

613.5 Disinfection. The pump installer shall disinfect any potable well and water system in accordance with Section 610.

613.6 Valves. A pressure relief valve shall be installed on any pumping system that can produce pressures of 75 psi or greater. A check valve shall be installed at the well head of submersible pumps.

* Cycle STOP VALVE'S ARE CONSTANT PRESS DEVICE.

* Counties MAY Add Higher Demands

'ROL INC. **WELL-X-TROL 5**

essurized Diaphragm Well Tanks

CHAMPION, WEL-FLO, PRO-LINE *See Hot Sheet* (A)

Model / Part No.	List Price ($)	Diameter (ins)	Dimensions Height (ins)	Total Volume (gals)	Max. Accept. Factor	System Drawdown 20/40 (gals)	30/50 (gals)	40/60 (gals)	Shipping Wt. (Vol.) lbs (cu ft)
CH 4202/WF60/CA4202	213.00	15⅞	31⅛	20.0	0.57	8.0	6.8	5.9	33 (4.9)
CH 6000/WF80/CA6000	225.00	15⅞	38½	26.0	0.44	10.5	8.8	7.6	36.0
CH 8003/WF100/CA8003	364.00	15¾	46½	32.0	0.35	–	10.9	9.4	43 (7.0)
CH 8205/WF110/CA8205	399.00	22	29⅛	34.0	1.00	13.7	11.6	10.0	61 (9.6)
CH 10050/WF140/CA10050	461.00	22	36	44.0	0.77	17.7	15.0	13.0	69 (11.0)
CH 12051/WF200/CA12051	545.00	22	46¼	62.0	0.55	24.9	21.1	18.3	92 (13.9)
CH 17255/WF255/CA17255	585.00	22	56⅛	81.0	0.41	32.6	27.5	23.9	103
CH 17252/WF252/CA17252	663.00	22	62¼	86.0	0.39	34.6	29.2	25.4	114 (18.1)
CH 17002/WF260/CA17002	647.00	26	47¼	86.0	0.54	34.6	29.2	25.4	123 (18.9)
CH 22050/WF360/CA22050	922.00	26	51⅞	119.0	0.39	47.8	40.5	35.1	166 (24.5)

CH4202, CH6000, CH8003, WF60, WF80, WI100, CA 4202, CA6000, & CA8003 have a 1" NPTF system connection and a 28 psig pre-charge.

CH8205, CH22050, WF110, WF360, CA8205, CA22050 have a 1¼" NPTF system connection and a 39

ATTN: 3 PAGES
JIMMY GARAGE

Anthony 24F Power Beam®
Design Properties

24F Power Beam® Design Properties

Allowable Design Stresses (psi)

Flexural Stress F_b*	Tension Parallel to Grain F_t	Compression Perpendicular to Grain $F_{c\perp}$	Horizontal Shear F_v	Modulus of Elasticity MOE
2400	1150	740	240	1,800,000

*For nominal 12" depths. For other depths:

$C_v = K_L[(21/L)^{1/8} \times (12/d)^{1/9} \times (5.125/b)^{1/9}] \leq 1.0$

L = length of member between points of zero moment, ft.

d = depth, of bending member, inches.

b = width, inches for full width members.

K_L = loading coefficient.

SINGLE SPAN BEAM:	KL
Concentrated load at mid span	1.09
Uniformly distributed loads	1.0
Two equal concentrated loads at 1/3 points of span	0.96
CONTINUOUS BEAM OR CANTILEVER:	
All loading conditions	1.0

Power Beam® Section Properties

3-1/8" Power Beam®

Design Property	STANDARD DEPTHS (in inches)							
	8¼	9½	11	12¾	13¾	15¼	16½	17⅞
Area (in.²)	26	30	34	39	43	47	52	56
Section Modulus(in.³)	35	48	63	80	98	119	142	166
Moment of Inertia(in.⁴)	146	232	347	494	677	901	1,170	1,487
Weight (lbs/LF)	6.8	7.9	9.1	10.2	11.3	12.5	13.6	14.8

5-1/8" Power Beam®

Design Property	STANDARD DEPTHS (in inches)								
	11	12¾	13¾	15 ¼	16½	17¾	19¼	20¾	22	23¾
Area (in.²)	56	63	70	78	85	92	99	106	113	120
Section Modulus(in.³)	103	131	161	195	233	273	317	363	413	467
Moment of Inertia(in.⁴)	568	809	1110	1478	1919	2439	3047	3747	4548	5455
Weight (lbs/LF)	14.9	16.7	18.6	20.5	22.3	24.2	26.1	27.9	29.8	31.6

3-1/2" Power Beam®

Design Property	STANDARD DEPTHS (in inches)							
	8¼	9½	11	12¾	13¾	15 ¼	16½	17⅞
Area (in.²)	29	34	39	45	48	53	58	63
Section Modulus(in.³)	40	54	71	89	110	133	159	186
Moment of Inertia(in.⁴)	164	260	388	553	758	1009	1310	1666
Weight (lbs/LF)	7.6	8.9	10.2	11.4	12.7	14	15.3	16.5

5-1/2" Power Beam®

Design Property	STANDARD DEPTHS (in inches)									
	11	12¾	13¾	15 ¼	16½	17¾	19¼	20¾	22	23¾
Area (in.²)	61	68	76	83	91	98	106	113	121	129
Section Modulus(in.³)	111	140	173	210	250	293	340	390	444	503
Moment of Inertia(in.⁴)	610	869	1191	1586	2059	2618	3269	4021	4880	5854
Weight (lbs/LF)	16	18	20	22	24	26	28	30	32	34

6-3/4" Power Beam®

Design Property	STANDARD DEPTHS (in inches)														
	8¼	9¼	11	12¾	13¾	15 ¼	16½	17⅞	19 ¼	20 ¾	22	23⅞	24 ½	26 ¼	27 ¼	28 ⅛
Area (in.²)	56	65	74	84	93	102	111	121	130	139	149	158	167	176	187	195
Section Modulus(in.³)	77	104	136	172	213	257	306	359	417	474	545	615	689	768	866	938
Moment of Inertia(in.⁴)	316	502	749	1066	1462	1946	2527	3213	4012	4935	5990	7188	8528	10030	12020	13542
Weight (lbs/LF)	14.7	17.1	19.6	22.0	24.5	26.9	29.4	31.8	34.3	36.7	39.2	41.6	44.1	46.5	49.4	51.4

Anthony 24F Power Beam®

Allowable Floor Load Tables LDF=1.0

3-1/8" & 5-1/8" Widths - Standard Depths

Key - for each clear span there are three numbers:
Row 1: Maximum Total Load with LDF of 1.0, and deflection limited to L/240
Row 2: Maximum Live Load limited by deflection of L/360
Row 3: Required Bearing Length in trimmer thickness
(e.g., 1.5 = 1 trimmer, 3.0 = 2 trimmers, etc.)

These tables can be used to size simple span beams and headers that carry uniform loads. The PLF loads must be calculated and take into account all floor and roof framing loads coming onto the beam or header. Codes do allow live load reductions. See appropriate code sections.

Allowable Loads for Anthony Power Beam, in Pounds per Linear Foot

3 1/8" — Depth (in.)

Actual Span	8 1/4	9 5/8	11	12 3/8	13 3/4	15 1/8	16 1/2	17 7/8
6'	1569	2136	2631	3132	3696	4335	5063	5902
	1569	2136	2631	3132	3696	4335	5063	5902
	3	3	4.5	4.5	6	7.5	7.5	9
7'	1151	1367	2049	2498	2909	3364	3868	4430
	1137	1367	2049	2498	2909	3364	3868	4430
	3	3	4.5	4.5	6	6	7.5	7.5
8'	879	1198	1566	1984	2397	2748	3129	3545
	762	1198	1566	1984	2397	2748	3129	3545
	3	3	3	4.5	4.5	6	6	7.5
9'	693	945	1236	1565	1933	2322	2626	2954
	535	849	1236	1565	1933	2322	2626	2954
	1.5	3	3	4.5	4.5	6	6	7.5
10'	560	764	999	1266	1564	1894	2255	2531
	390	619	924	1266	1564	1894	2255	2531
	1.5	3	3	3	4.5	4.5	6	6
11'	432	630	824	1044	1290	1563	1861	2185
	293	445	594	949	1290	1563	1861	2185
	1.5	3	3	3	4.5	4.5	6	6
12'	332	528	691	876	1082	1311	1562	1834
	226	358	535	762	1045	1311	1562	1834
	1.5	1.5	3	3	3	4.5	4.5	6
13'	259	415	587	745	921	1115	1328	1580
	177	282	421	599	822	1094	1328	1580
	1.5	1.5	3	3	3	4.5	4.5	6
14'	206	330	496	641	792	960	1144	1343
	142	226	337	480	658	876	1137	1343
	1.5	1.5	3	3	3	3	4.5	4.5
15'	166	287	401	557	689	834	994	1168
	116	183	274	390	535	712	924	1168
	1.5	1.5	1.5	3	3	3	4.5	4.5
16'	136	219	329	471	604	732	872	1023
	95	151	226	321	441	587	762	968
	1.5	1.5	1.5	3	3	3	4.5	4.5
17'	112	181	273	391	534	647	771	906
	79	126	188	268	367	485	635	807
	1.5	1.5	1.5	1.5	3	3	3	4.5
18'	93	151	228	328	453	576	686	807
	67	106	158	226	310	412	535	680
	1.5	1.5	1.5	1.5	3	3	3	4.5
19'	78	127	193	277	383	513	614	722
	57	90	135	192	263	350	455	578
	1.5	1.5	1.5	1.5	3	3	3	4.5
20'	66	108	164	236	327	438	553	651
	49	77	116	168	226	300	390	494
	1.5	1.5	1.5	1.5	1.5	3	3	3
21'	56	92	140	203	281	376	491	589
	42	67	100	142	195	254	337	428
	1.5	1.5	1.5	1.5	1.5	3	3	3
22'	48	79	121	175	243	326	425	533
	37	58	87	124	170	226	290	373
	1.5	1.5	1.5	1.5	1.5	3	3	3
23'	41	68	105	152	211	283	371	474
	32	51	76	108	148	197	256	328
	1.5	1.5	1.5	1.5	1.5	1.5	3	3
24'	35	59	91	132	184	248	323	415
	28	45	67	95	131	174	226	287
	1.5	1.5	1.5	1.5	1.5	1.5	3	3
25'	30	51	79	116	162	218	286	366
	25	40	59	84	116	154	200	254
	1.5	1.5	1.5	1.5	1.5	1.5	3	3
26'	26	45	70	102	142	192	252	323
	22	35	53	75	103	137	177	226
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3
27'	23	39	61	90	126	170	224	287
	20	31	47	67	92	122	158	202
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3
28'	20	34	54	79	112	151	199	256
	18	28	42	60	82	109	142	181
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3
29'	17	30	48	70	99	135	178	229
	16	25	38	54	74	99	128	163
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
30'	15	26	42	63	89	121	159	205
	14	23	34	49	67	89	116	147
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
32'	11	20	33	50	71	97	129	166
	11	19	28	40	55	73	95	121
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

5 1/8" — Depth (in.)

Actual Span	11	12 3/8	13 3/4	15 1/8	16 1/2	17 7/8	19 1/4	20 5/8	22	23 3/8
6'	4314	5137	6062	7109	8303	9679	11282	13171	15432	18186
	4314	5137	6062	7109	8303	9679	11282	13171	15432	18186
	4.5	4.5	6	7.5	7.5	9	10.5	12	15	18
7'	3380	4093	4770	5517	6344	7266	8299	9466	10793	12317
	3380	4093	4770	5517	6344	7266	8299	9466	10793	12317
	4.5	4.5	6	6	7.5	7.5	9	10.5	12	13.5
8'	2569	3233	3931	4508	5131	5814	6562	7385	8298	9308
	2569	3233	3931	4508	5131	5814	6562	7385	8298	9308
	3	4.5	4.5	6	6	7.5	7.5	9	10.5	12
9'	2026	2567	3171	3807	4307	4844	5424	6052	6734	7478
	2026	2567	3171	3807	4307	4844	5424	6052	6734	7478
	3	4.5	4.5	6	6	7.5	7.5	9	9	10.5
10'	1638	2076	2565	3105	3698	4151	4622	5126	5666	6248
	1516	2076	2565	3105	3698	4151	4622	5126	5666	6248
	3	3	4.5	4.5	6	6	7.5	7.5	9	9
11'	1351	1713	2116	2563	3052	3584	4025	4441	4889	5364
	1139	1622	2116	2563	3052	3584	4025	4441	4889	5364
	3	3	4.5	4.5	6	6	7.5	7.5	7.5	9
12'	1133	1438	1775	2150	2561	3008	3490	3922	4299	4698
	877	1249	1713	2150	2561	3008	3490	3922	4299	4698
	3	3	3	4.5	4.5	6	6	7.5	7.5	9
13'	963	1221	1510	1829	2179	2559	2970	3401	3835	4178
	690	982	1348	1794	2179	2559	2970	3401	3835	4178
	3	3	3	4.5	4.5	6	6	7.5	7.5	7.5
14'	813	1051	1299	1574	1875	2203	2548	2917	3311	3728
	552	787	1079	1436	1864	2203	2548	2917	3311	3728
	3	3	3	3	4.5	4.5	6	6	7.5	7.5
15'	658	913	1129	1369	1631	1710	2209	2529	2870	3232
	449	640	877	1168	1516	1910	2209	2529	2870	3232
	1.5	3	3	3	4.5	4.5	4.5	6	6	7.5
16'	540	773	990	1200	1437	1670	1932	2212	2510	2827
	370	527	723	962	1249	1588	1932	2212	2510	2827
	1.5	3	3	3	4.5	4.5	4.5	6	6	7.5
17'	448	642	875	1080	1238	1472	1703	1950	2214	2493
	309	439	603	802	1041	1324	1654	1950	2214	2493
	1.5	1.5	3	3	3	4.5	4.5	4.5	6	6
18'	375	538	742	940	1116	1307	1512	1751	1965	2214
	260	370	508	676	877	1115	1393	1713	1965	2214
	1.5	1.5	3	3	3	4.5	4.5	4.5	6	6
19'	318	455	628	839	997	1167	1350	1547	1756	1978
	221	315	432	573	746	948	1184	1457	1756	1978
	1.5	1.5	3	3	3	3	4.5	4.5	4.5	6
20'	269	388	536	718	895	1048	1213	1389	1578	1778
	189	270	370	493	640	813	1016	1249	1514	1778
	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5	6
21'	230	332	460	617	806	946	1095	1254	1425	1605
	164	233	320	420	552	702	877	1079	1305	1571
	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5	6
22'	198	287	398	534	698	858	993	1138	1292	1456
	143	203	278	370	480	611	763	938	1139	1366
	1.5	1.5	1.5	3	3	3	3	4.5	4.5	4.5
23'	172	249	346	465	608	777	904	1036	1177	1327
	125	177	243	324	420	535	668	821	997	1196
	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5
24'	149	217	302	407	532	681	826	947	1076	1213
	110	156	214	285	370	471	588	723	877	1052
	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5
25'	130	190	265	357	468	600	733	869	987	1113
	97	138	189	252	327	416	520	640	776	931
	1.5	1.5	1.5	1.5	3	3	3	3	4.5	4.5
26'	114	167	234	315	414	530	667	800	909	1025
	86	123	168	224	291	370	462	569	690	828
	1.5	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5
27'	100	147	207	279	367	471	592	733	834	946
	77	110	150	200	260	330	413	508	616	739
	1.5	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5
28'	88	130	183	248	327	420	528	654	770	876
	69	98	135	180	233	296	370	455	552	663
	1.5	1.5	1.5	1.5	1.5	3	3	3	3	4.5
29'	78	116	163	221	292	375	473	586	715	813
	62	88	121	162	210	267	333	410	497	598
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	3	4.5
30'	69	103	145	196	261	337	425	526	643	756
	56	80	110	146	189	241	301	370	449	539
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	3	4.5
32'	54	82	116	159	211	275	345	429	525	633
	46	66	90	120	156	199	248	305	370	444
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3	3	3

Allowable Roof Load Tables LDF = 1.25

3-1/8" & 5-1/8" Widths - Standard Depths

Key - for each clear span there are three numbers:
Row 1: Maximum Total Load with LDF of 1.25, and deflection limited to L/180
Row 2: Maximum Live Load limited by deflection of L/240
Row 3: Required Bearing Length in trimmer thickness (e.g., 1.5 = 1 trimmer, 3.0 = 2 trimmers, etc.)

These tables can be used to size simple span beams and headers that carry uniform loads. The PLF loads must be calculated and take into account all floor and roof framing loads coming onto the beam or header.

Actual Span	3 1/8" Depth (in.)								5 1/8" Depth (in.)								
	7 1/4	9 5/8	11	12 3/8	13 3/4	15 1/8	16 1/2	17 7/8	11	12 3/8	13 3/4	15 1/8	16 1/2	17 7/8	19 1/4	20 5/8	22	23 3/8
6'	1962	2672	3591	3918	4623	5421	6332	7381	5397	6426	7582	8891	10385	12106	14109	16471	19298	22741
	1962	2672	3291	3918	4623	5421	6332	7381	5397	6426	7582	8891	10385	12106	14109	16471	19298	22741
	3	4.5	6	6	7.5	9	10.5	12	6	6	7.5	9	10.5	12	13.5	16.5	19.5	24
7'	1440	1961	2563	3122	3639	4208	4839	5542	4203	5121	5968	6901	7936	9089	10381	11840	13499	15404
	1440	1961	2563	3122	3639	4208	4839	5542	4203	5121	5968	6901	7936	9089	10381	11840	13499	15404
	3	4.5	4.5	6	6	7.5	9	10.5	4.5	6	6	7.5	9	10.5	12	13.5	15	18
8'	1101	1500	1960	2482	2999	3438	3915	4435	3215	4071	4919	5638	6420	7274	8209	9238	10377	11643
	1101	1500	1960	2482	2999	3438	3915	4435	3215	4071	4919	5638	6420	7274	8209	9238	10377	11643
	3	3	4.5	4.5	6	7.5	7.5	9	4.5	4.5	6	7.5	7.5	9	10.5	12	13.5	15
9'	868	1183	1547	1959	2420	2905	3286	3696	2537	3213	3968	4765	5389	6061	6787	7572	8426	9356
	802	1183	1547	1959	2420	2905	3286	3696	2537	3213	3968	4765	5389	6061	6787	7572	8426	9356
	3	3	4.5	4.5	6	6	7.5	9	4.5	4.5	6	6	7.5	9	9	10.5	12	13.5
10'	702	957	1251	1585	1958	2370	2822	3167	2052	2599	3211	3887	4628	5194	5784	6414	7091	7818
	585	929	1251	1585	1958	2370	2822	3167	2052	2599	3211	3887	4628	5194	5784	6414	7091	7818
	3	3	3	4.5	4.5	6	7.5	7.5	3	4.5	4.5	6	7.5	7.5	9	10.5	10.5	12
11'	579	789	1032	1308	1616	1957	2330	2736	1693	2145	2650	3209	3821	4486	5038	5562	6119	6713
	459	698	1032	1308	1616	1957	2330	2736	1693	2145	2650	3209	3821	4486	5038	5562	6119	6713
	1.5	3	3	4.5	4.5	6	6	7.5	3	4.5	4.5	6	6	7.5	9	9	10.5	10.5
12'	444	662	886	1097	1356	1642	1955	2296	1420	1800	2224	2693	3207	3766	4369	4909	5381	5880
	338	528	802	1097	1356	1642	1955	2296	1316	1800	2224	2693	3207	3766	4369	4909	5381	5880
	1.5	3	3	3	4.5	4.5	6	7.5	3	3	4.5	4.5	6	7.5	7.5	9	10.5	10.5
13'	348	520	736	933	1154	1397	1664	1954	1208	1551	1892	2291	2729	3205	3719	4258	4802	5231
	266	423	631	899	1154	1397	1664	1954	1035	1474	1892	2291	2729	3205	3719	4238	4802	5231
	1.5	3	3	3	4.5	4.5	6	6	3	3	4.5	4.5	6	6	7.5	9	9	10.5
14'	277	443	634	803	993	1203	1433	1683	1039	1318	1629	1973	2350	2760	3192	3654	4146	4668
	213	338	505	719	987	1203	1433	1683	829	1180	1618	1973	2350	2760	3192	3654	4146	4668
	1.5	1.5	3	3	4.5	4.5	4.5	6	3	3	4.5	4.5	4.5	6	7.5	7.5	9	10.5
15'	224	359	528	699	864	1046	1246	1464	883	1146	1416	1716	2044	2394	2768	3168	3595	4048
	173	275	411	585	802	1046	1246	1464	674	959	1316	1716	2044	2394	2768	3168	3595	4048
	1.5	1.5	3	3	3	4.5	4.5	6	3	3	3	4.5	4.5	6	6	7.5	7.5	9
16'	183	294	442	613	758	918	1094	1285	725	1005	1243	1506	1790	2094	2421	2772	3146	3542
	143	227	338	482	661	880	1094	1285	555	790	1084	1442	1790	2094	2421	2772	3146	3542
	1.5	1.5	3	3	3	4.5	4.5	6	3	3	3	4.5	4.5	6	6	7.5	7.5	9
17'	152	244	367	525	670	812	967	1137	602	861	1098	1330	1578	1846	2135	2445	2775	3125
	119	189	282	402	551	734	932	1137	463	659	904	1203	1562	1846	2135	2445	2775	3125
	1.5	1.5	1.5	3	3	4.5	4.5	4.5	3	3	3	4.5	4.5	6	6	7.5	7.5	7.5
18'	127	204	308	441	586	725	861	1012	505	723	978	1181	1401	1639	1896	2171	2464	2776
	100	159	238	338	464	618	802	1012	390	555	761	1014	1316	1639	1896	2171	2464	2776
	1.5	1.5	1.5	3	3	3	4.5	4.5	3	3	3	4.5	4.5	6	6	7.5	7.5	7.5
19'	107	172	260	373	515	647	772	907	427	612	844	1054	1251	1465	1695	1940	2203	2481
	85	135	202	288	395	525	682	867	332	472	647	862	1119	1422	1695	1940	2203	2481
	1.5	1.5	1.5	3	3	3	4.5	4.5	3	3	3	3	4.5	4.5	4.5	6	6	7.5
20'	91	147	222	319	440	583	695	817	364	522	721	947	1134	1316	1523	1744	1980	2230
	73	116	173	247	338	451	585	744	284	405	555	739	959	1220	1523	1744	1980	2230
	1.5	1.5	1.5	1.5	3	3	4.5	4.5	1.5	1.5	3	3	4.5	4.5	4.5	6	6	7.5
21'	77	126	190	274	378	506	639	740	312	449	620	830	1015	1189	1375	1575	1788	2015
	63	100	150	213	292	389	505	642	246	350	480	638	829	1054	1316	1575	1788	2015
	3	1.5	1.5	1.5	3	3	3	4.5	1.5	1.5	3	3	3	4.5	4.5	4.5	6	6
22'	66	108	164	237	327	439	572	673	269	388	537	719	921	1078	1248	1429	1623	1829
	55	87	130	185	254	338	439	559	214	304	417	555	721	916	1144	1408	1623	1829
	1.5	1.5	1.5	1.5	3	3	3	4.5	1.5	1.5	3	3	3	4.5	4.5	4.5	6	6
23'	57	94	143	206	285	382	499	614	234	338	468	627	818	982	1137	1302	1479	1666
	48	76	114	162	223	296	385	489	187	266	365	486	631	802	1002	1232	1479	1666
	1.5	1.5	1.5	1.5	1.5	3	3	4.5	1.5	1.5	3	3	4.5	4.5	4.5	6	6	6
24'	49	81	124	180	250	335	437	539	204	295	409	549	717	898	1040	1191	1353	1525
	42	67	100	143	196	261	338	430	164	234	321	428	555	706	882	1084	1316	1525
	1.5	1.5	1.5	1.5	1.5	3	3	3	1.5	1.5	1.5	3	3	4.5	4.5	4.5	6	6
25'	43	71	109	158	219	295	385	493	179	259	360	483	632	808	934	1093	1242	1440
	37	59	89	126	173	231	299	381	146	207	284	378	491	624	780	959	1164	1396
	1.5	1.5	1.5	1.5	1.5	3	3	3	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5	6
26'	37	62	96	139	194	261	341	436	157	228	318	427	559	715	878	1007	1143	1289
	33	53	79	112	154	205	266	338	129	184	253	336	437	555	693	853	1035	1241
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	1.5	1.5	1.5	1.5	3	3	4.5	4.5	4.5	4.5
27'	33	55	85	123	172	231	303	388	139	202	282	379	497	636	799	979	1056	1191
	30	47	70	100	138	185	238	302	116	164	226	301	391	496	619	761	924	1109
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5
28'	29	48	75	109	153	206	270	346	123	179	251	338	443	568	713	861	978	1031
	27	42	63	90	123	164	213	271	104	147	202	269	350	444	555	683	829	994
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5
29'	25	43	66	97	136	184	242	310	109	160	224	302	397	509	639	791	908	1024
	24	38	57	81	111	148	192	244	93	133	182	242	315	400	500	615	746	895
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5
30'	22	38	59	87	122	165	217	279	99	143	200	271	356	457	575	712	845	955
	22	34	51	73	100	133	173	220	84	120	161	218	284	361	451	555	674	808
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5
32'	17	30	47	70	99	134	176	227	77	115	162	220	289	372	469	581	710	831
	17	28	42	60	83	110	143	182	69	99	136	180	234	298	372	457	555	666
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3	1.5	1.5	1.5	1.5	3	3	3	3	4.5	4.5

DUCT SYSTEM SUMMARY
Entire House

LARRY RESMONDO A/C

Job: EMERALD COVE LOT 38
5/9/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

	HEATING	COOLING
External Static Pressure:	***0.10*** in H2O	0.00 in H2O
Pressure Losses:	0.50 in H2O	0.50 in H2O
Available Static Pressure:	-0.4 in H2O	-0.5 in H2O
Friction Rate:	***0.100*** in/100ft	***0.100*** in/100ft
Actual AVF:	1150 cfm	1150 cfm

Total Effective Length (TEL): 165 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
WHOLE HOUSE	4383	3925	192	192	0.100	718	7	0x 0	ShMt	st1
WHOLE HOUSE-A	4380	3923	192	192	0.100	717	7	0x 0	ShMt	st1A
WHOLE HOUSE-B	4380	3923	192	192	0.100	717	7	0x 0	ShMt	st1A
WHOLE HOUSE-C	4380	3923	192	192	0.100	717	7	0x 0	ShMt	st1B
WHOLE HOUSE-D	4380	3923	192	192	0.100	717	7	0x 0	ShMt	st1
WHOLE HOUSE-E	4380	3923	192	192	0.100	717	7	0x 0	ShMt	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1150	1150	824	16	0 x 0	ShtMetl	
st1A	Peak AVF	575	575	871	11	0 x 0	ShtMetl	st1
st1B	Peak AVF	192	192	717	7	0 x 0	ShtMetl	st1A

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	26281	23538	1150	1150	0.100	651	18	0x 0	ShMt	

Bold/italic values have been manually overridden

RIGHT-J BUILDING ANALYSIS REPORT
Entire House
LARRY RESMONDO A/C

Job: EMERALD COVE LOT 38
5/9/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

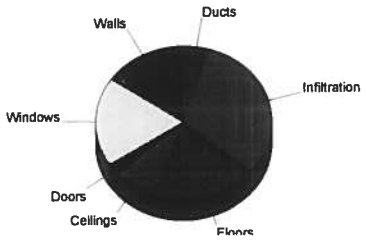
Design Information

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

Infiltration	
Method	Simplified
Construction quality	Average
Fireplaces	0

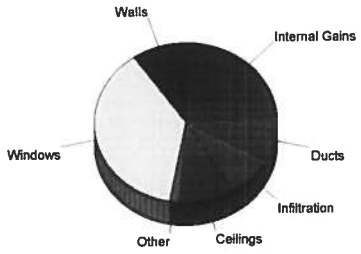
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.8	4038	15.4
Windows	25.4	4959	18.9
Doors	17.0	715	2.7
Ceilings	1.2	2071	7.9
Floors	30.0	4945	18.8
Infiltration	35.0	8300	31.6
Ducts		1251	4.8
Total		**26278**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.6	2260	9.6
Windows	45.3	8837	37.5
Doors	9.5	398	1.7
Ceilings	1.4	2295	9.7
Floors	0.0	0	0.0
Infiltration	8.0	1907	8.1
Ducts		2140	9.1
Internal gains		5700	24.2
Total		**23536**	**100.0**



Cooling at 85 % SHR = 2.3 ton
Cooling at 70 % SHR = 2.7 ton
Cooling air flow = 509 cfm/ton
Cooling at 400 cfm/ton = 2.9 ton
Overall U-Value = 0.129 Btuh/ft²-°F

Data entries checked.

RIGHT-J LOAD AND EQUIPMENT SUMMARY
Entire House
LARRY RESMONDO A/C

Job: EMERALD COVE LOT 38
5/9/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Building heat loss	26278	Btuh
Ventilation air	0	cfm
Ventilation air loss	0	Btuh
Design heat load	26278	Btuh

Sensible Cooling Equipment Load Sizing

Structure	23536	Btuh
Ventilation	0	Btuh
Design temperature swing	3.0	°F
Use mfg. data	n	
Rate/swing multiplier	0.97	
Total sens. equip. load	22830	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1696	1696
Volume (ft³)	15264	15264
Air changes/hour	0.8	0.4
Equiv. AVF (cfm)	204	102

Latent Cooling Equipment Load Sizing

Internal gains	690	Btuh
Ventilation	0	Btuh
Infiltration	3574	Btuh
Total latent equip. load	4264	Btuh
Total equipment load	27094	Btuh

Heating Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-036JA

Efficiency	8.0 HSPF	
Heating input	0	Btuh
Heating output	0	Btuh
Heating temp rise	0	°F
Actual heating fan	1150	cfm
Heating air flow factor	0.044	cfm/Btuh

Space thermostat

Cooling Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-036JA
UBHJ-21+RCHJ-36A2

Efficiency	13.0 SEER	
Sensible cooling	24500	Btuh
Latent cooling	10500	Btuh
Total cooling	35000	Btuh
Actual cooling fan	1150	cfm
Cooling air flow factor	0.049	cfm/Btuh
Load sensible heat ratio	85	%

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

RIGHT-J SHORT FORM
Entire House

LARRY RESMONDO A/C

Job: EMERALD COVE LOT 38
5/9/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Design Information

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

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

HEATING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-036JA

Efficiency	8.0 HSPF	
Heating input	0	Btuh
Heating output	0	Btuh
Heating temperature rise	0	°F
Actual heating fan	1150	cfm
Heating air flow factor	0.044	cfm/Btuh

Space thermostat

COOLING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-036JA
UBHJ-21+RCHJ-36A2

Efficiency	13.0 SEER	
Sensible cooling	24500	Btuh
Latent cooling	10500	Btuh
Total cooling	35000	Btuh
Actual cooling fan	1150	cfm
Cooling air flow factor	0.049	cfm/Btuh
Load sensible heat ratio	85	%

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
WHOLE HOUSE	1696	26278	23536	1150	1150
Entire House d	1696	26278	23536	1150	1150
Ventilation air		0	0		
Equip. @ 0.97 RSM			22830		
Latent cooling			4264		
TOTALS	1696	26278	27094	1150	1150

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

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

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

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

Foundation Plan including:

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

Roof System:

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

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

Wall Sections including:

☐ ☐ 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 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity

c. Crawl space (if applicable)

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

☑ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☑ ☐ h) Exhaust fans in bathroom

HVAC information

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

☑ ☐ b) Manual J sizing equipment or equivalent computation

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

☑ ☐ **Disclosure Statement for Owner Builders**

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

☐ ☐ **Private Potable Water**

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise. 24598

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Woodman Park Builders Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 222 S.W. Woodland Ct. Lake City FL

Type of Construction (More than one box may be checked) ☑ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 24 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 8-1-06
Brand Name of Product(s) Used Bi-Pro
EPA Registration No. 79676-1
Approximate Final Mix Solution % 0.25 %
Approximate Size of Treatment Area: Sq. ft. 2660 Linear ft. 204 Linear ft. of Masonry Voids 208
Approximate Total Gallons of Solution Applied 562
Was treatment completed on exterior? ☐ Yes ☑ No
Service Agreement Available? ☑ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)

Comments

Name of Applicator(s) Steve Brannan Certification No. (if required by State law) JF104376

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

Authorized Signature Steve Brannan Date 8-1-06

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

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 33-3S-16-02438-138 **Building permit No.** 000024598

Use Classification SFD,UTILITY **Fire:** 44.64

Permit Holder WILLIAM WOOD **Waste:** 134.00

Owner of Building WILLIAM WOOD **Total:** 178.64

Location: 222 SW WOODLEAF COURT(EMERALD COVE,LOT 38)

Date: 02/07/2007

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)