

Columbia County Building Permit Application

ck 922

6/1/07 left message 1/30/07

For Office Use Only Application # 0701-96 Date Received 1-26-07 By GP Permit # 25484
 Application Approved by - Zoning Official Date Plans Examiner OKJH Date 1-30-07
 Flood Zone FL White Development Permit Zoning FL White Land Use Plan Map Category
 Comments TOWN OF FORT WHITE LETTER ATTACHED
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Joseph M. Klenk Fax
 Address 6188 S.W. COUNTY RD 18 Fort White FL 32038 Phone 386 497-1608
 Owners Name Joseph + Rita Klenk Phone 386 497-1608
 911 Address 6188 S.W. COUNTY RD 18 Fort White FL 32038
 Contractors Name Joseph M. Klenk Phone 386 497-1608
 Address 6188 S.W. COUNTY RD 18 Fort White FL 32038
 Fee Simple Owner Name & Address Joseph M. Klenk
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address FREEMAN DESIGN GROUP 16W MADISON ST LAKE CITY FL
 Mortgage Lenders Name & Address N/A

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

Property ID Number 04059-403 34-65-16 Estimated Cost of Construction 25000
 Subdivision Name Lot Block Unit Phase

Driving Directions take 47 to Fort White. At Light (27) Go Left
4 mile to CR 18 Go Left. House is 1/2 mile on Right.
3rd lot past Depot Way on Right

Type of Construction ADDITION to SFD Number of Existing Dwellings on Property 1

Total Acreage .5 AC Lot Size 100x220 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 42.5' Side 20.5' Side 23.8' Rear 105'

Total Building Height LESS THAN 30' Number of Stories 1 Heated Floor Area 1731 273 Roof Pitch
7064 520

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

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

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

Joseph M. Klenk
 Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 25th day of January 2007.
 Personally known or Produced Identification

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

Tonia J. Edenfield
 MY COMMISSION # DD 550803
 EXPIRES: September 11, 2010
 Bonded Thru Notary Public Underwriters
 Notary Signature (Revised Sept. 2006)

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

***** THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION. *****

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.

Tax Parcel ID Number 4059-403

PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)
LOT #3 SECTION 34 TOWNSHIP 6 SOUTH, RANGE 16 E.
COLUMBIA COUNTY FL 6188 SW COUNTY ROAD 18 Fort
WHITE FL 32038
2. General description of Improvement: ADDITION OF SITTING or DEN type AREA
to MASTER Bedroom
3. Owner Name & Address JOSEPH AND RITA KIENK 6188 SW, COUNTY
RD 18 Fort white FL 32038 Interest in Property OWNER
4. Name & Address of Fee Simple Owner (if other than owner): N/A
5. Contractor Name JOSEPH M KIENK Phone Number (386) 497-1608
Address 6188 SW COUNTY RD 18 Fort white FL 32038
6. Surety Holders Name N/A Phone Number _____
Address _____
Amount of Bond N/A
7. Lender Name N/A Phone Number _____
Address _____
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name N/A Phone Number _____
Address _____
9. In addition to himself/herself the owner designates N/A of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,
(Unless a different date is specified) _____

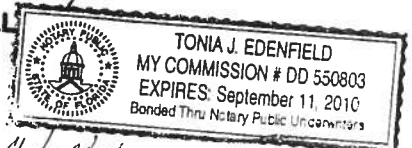
NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

JKM
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of 25th January, 20 07

NOTARY STAMP/SEAL



Tonia J. Edenfield
Signature of Notary

Inst:2007002026 Date:01/26/2007 Time:11:17

A. F. DC, P. DeWitt Cason, Columbia County B:1108 P:2638

TOWN OF FORT WHITE

Home of the Ichetucknee River

Post Office Box 129 Fort White, FL 32038

Email: townofftwhite@alltel.net Web: townoffortwhitefl.com

Tel: (386) 497-2321/(386) 497-3345 Fax: (386) 497-4946

Office Hours: Monday through Friday 9:00 a.m. to 1:00 p.m.

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

OWNER'S NAME: Joseph M. Klenk

ADDRESS: 6188 SW CR 18 Fort White, FL 32038

PROPERTY DESCRIPTION: Section 34 Lot 3 parcel#4059-403
w/ parcel number

.5 ac R 16 E T6S

DEVELOPMENT: RSF-1 Addition to existing residence

You are hereby authorized to issue the appropriate permits

05 Jan 2007
DATE

Danica E. Revels (Ka)
LDR ADMINISTRATOR
Town of Fort White

Mayor
Truett George
497-4741

District 1
Donald Cook
497-1086

District 2
Henry Maini
497-2992

District 3
Warren Barnes
497-3112

District 4
Demetric Jackson
497-2078

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

☒ Single Family Dwelling
☐ Farm Outbuilding

☐ Two-Family Residence
☐ Other _____

NEW CONSTRUCTION OR IMPROVEMENT

☐ New Construction

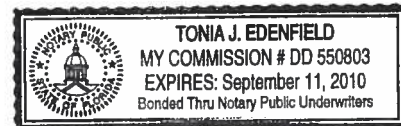
☐ Addition, Alteration, Modification or other Improvement

I Joseph M. Klenk, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Joseph M. Klenk
Owner Builder Signature

1/19/07
Date

The above signer is personally known to me or produced identification personally known



Notary Signature Tonia J. Edenfield Date 1/25/07

(Stamp / Seal)

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

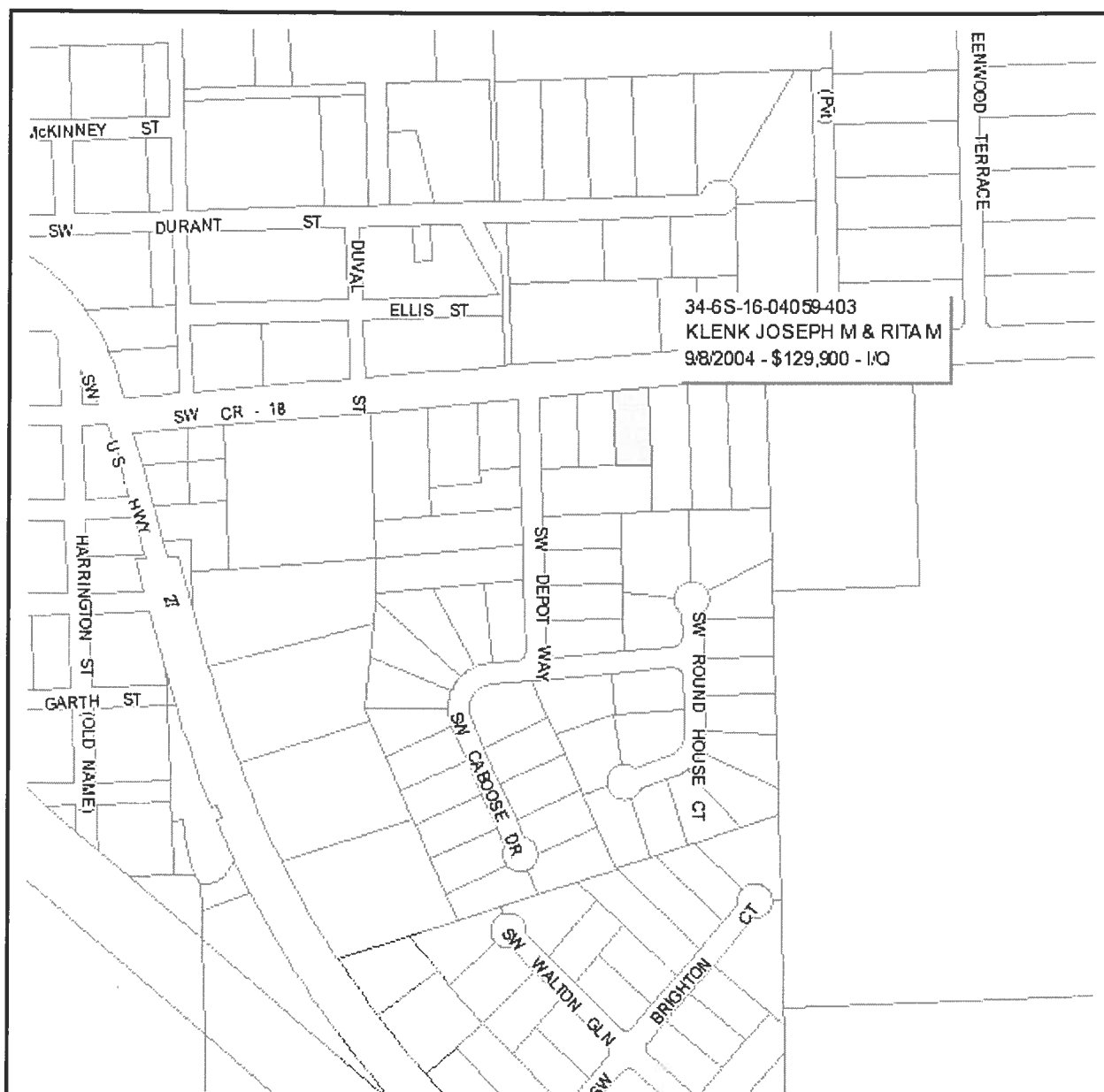
Date _____ Building Official/Representative _____

>> Print as PDF <<

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LOT 3 FORT WHITE HEIGHTS      KLENK JOSEPH M & RITA M      34-6S-16-04059-403      Columbia County 2007 R
REPLAT. ORB 727-693, 977-119  6188 SW COUNTY RD 18      PRINTED 12/28/2006 10:56      CARD 001 of 001
QCD 1003-1391, WD 1025-2273.  FT WHITE, FL 32038      APPR 7/13/2004 HC      BY JEFF
-----
BUSE 000100 SINGLE FAM      AE? Y      1419 HTD AREA      120.200 INDEX      16.00 DIST 4      PUSE 000100 SINGLE FAMILY
MOD 1 SFR      BATH      2.00      1705 EFF AREA      60.100 E-RATE      100.000 INDX      STR 34- 6S- 16
EXW 10 ABOVE AVG.      FIXT      102471 RCN      2004 AYB      MKT AREA 02      100,421 BLDG
% 0000000000      BDRM      3      98.00 %GOOD      100,421 B BLDG VAL      2004 EYB      (PUD1      2,728 XFOB
RSTR 08 IRREGULAR      RMS      -----
RCVR 03 COMP SHNGL      UNITS      'FIELD CK:      HX AppYr 2005      '      AC      17,000 LAND
% N/A      C-W%      'LOC: 6188 CR 18 SW FT WHITE      '      NTCB      0 AG
INTW 05 DRYWALL      HGHT      '      '      APPR CD      0 MKAG
% N/A      PMTR      '      '      CNDO      120,149 JUST
FLOR 14 CARPET      STYS      1.0      +---12---+      '      SUBD      0 CLAS
40% 15 HARDTILE      ECON      '      '      LOT      0 SOHD
HTTP 04 AIR DUCTED      FUNC      '      '      MAP# 53-D      0 ASSD
A/C 03 CENTRAL      SPCD      '      '      HX      0 EXPT
QUAL 03 AVERAGE      DEPR 52      '      '      TXDT 004      0 COTXBL
FNDN N/A      N/A      '      '
SIZE 04 IRREGULAR      N/A      '      '
CEIL N/A      N/A      '      '
ARCH N/A      N/A      '      '
FRME 02 WOOD FRAME      N/A      '      '
KTCH N/A      N/A      '      '
WNDO N/A      N/A      '      '
CLAS N/A      N/A      '      '
OCC N/A      N/A      '      '
COND N/A      %      '      '
SUB A-AREA % E-AREA      SUB VALUE      '      '
BAS04 1419 100 1419      83576      '      '
PTO04 120 5 6      353      '      '
FOP04 90 30 27      1591      '      '
FGR04 460 55 253      14901      '      '
-----
TOTAL 2089      1705      100421      -----
-----EXTRA FEATURES-----      FIELD CK:
AE BN CODE      DESC      LEN      WID      HGHT      QTY      QL      YR      ADJ      UNITS      UT      PRICE      ADJ      UT      PR      SPCD      %      %GOOD      XFOB      VALUE
Y 0166      CONC,PAVMT      1      2004      1.00      1364.000      SF      2.000      2.000      100.00      2,728
-----
LAND      DESC      ZONE      ROAD      {UD1      {UD3      FRONT      DEPTH      FIELD CK:
AE CODE      TOPO      UTIL      {UD2      {UD4      BACK      DT      ADJUSTMENTS      UNITS      UT      PRICE      ADJ      UT      PR      LAND VALUE
Y 000100 SFR      00      0002      1.00      1.00      1.00      1.00      1.000      LT      17000.000      17000.00      17,000
0002 0003
SALE - 5 LOTS - 5 PRCLS
2007

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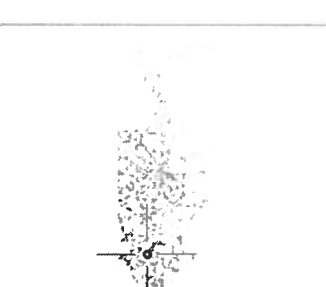
Columbia County Property Appraiser

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

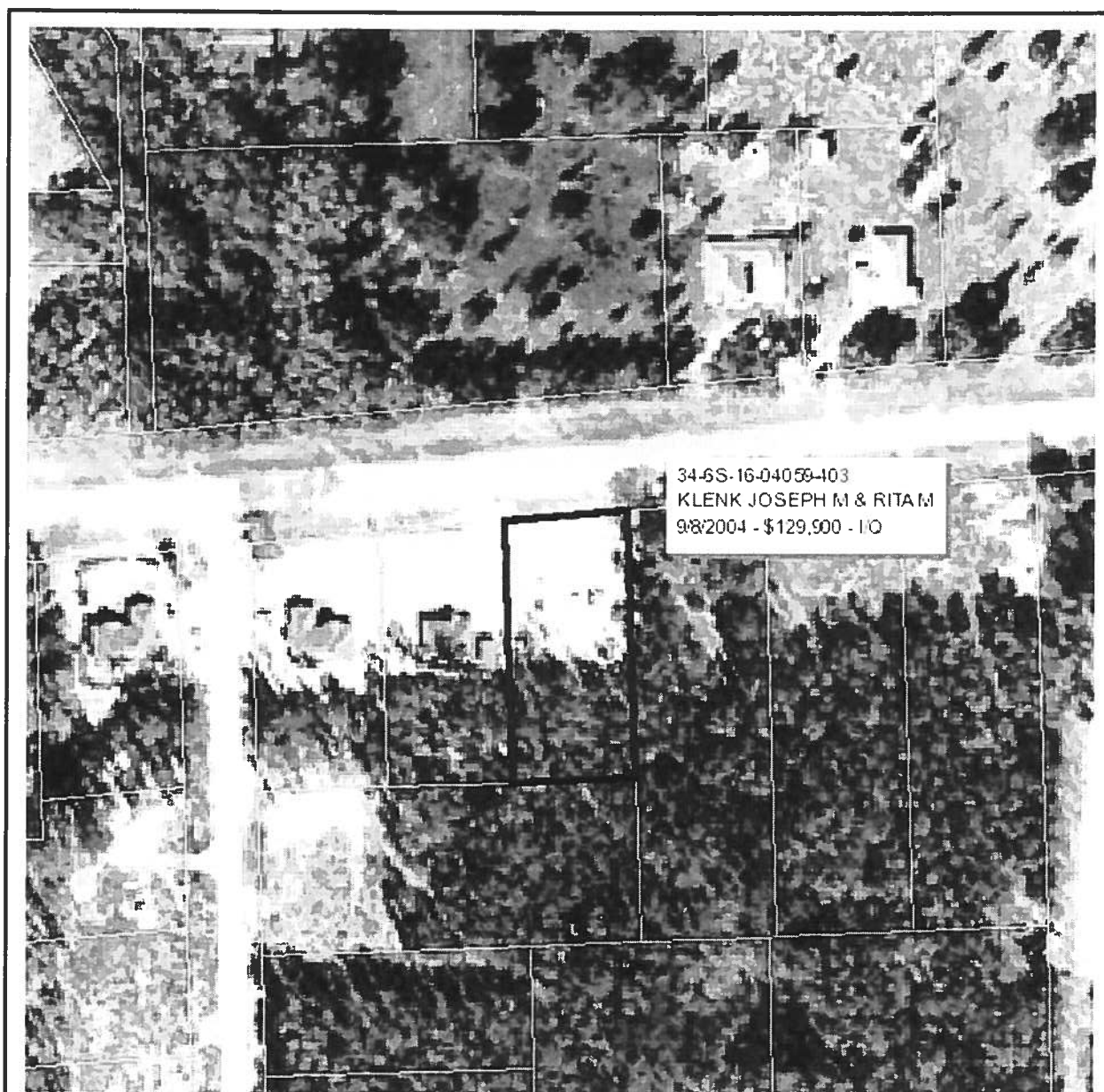
PARCEL: 34-6S-16-04059-403 HX - SINGLE FAM (000100)

Name:	KLENK JOSEPH M & RITA M	LandVal	\$17,000.00
Site:	CR 18	BldgVal	\$100,421.00
Mail:	6188 SW COUNTY RD 18 FT WHITE, FL 32038	ApprVal	\$120,149.00
Sales	9/8/2004 \$129,900.00 I / Q	JustVal	\$120,149.00
Info	12/30/2003 \$100.00V / U	Assd	\$113,890.00
	3/3/2003 \$82,000.00V / U	Exmpt	\$25,000.00
		Taxable	\$88,890.00

0 190 380 570 ft



This information, GIS Map Updated: 12/29/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



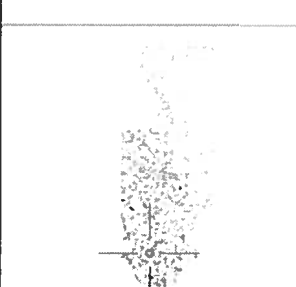
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0 55 110 165 ft



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CORPORATE HEADQUARTERS:

P.O. BOX 5369
116 N.W. 16TH AVENUE
GAINESVILLE, FL 32602-5369

(352) 376-2661
FAX (352) 376-2791

FOUNDED 1949

SCIENTIFIC PEST CONTROL DIRECTED BY GRADUATE ENTOMOLOGISTS

Complete Pest Control Service
Member Florida & National Pest Control Associations

F-10721

Reply to: 536 SE Baya Dr
Lake City, FL 32025
Phone (386) 752-1703 Fax (386) 752-0171

TERMITE TREATMENT CERTIFICATION

Owner: Joseph Klenk	Permit Number:
Lot:	Block:
Subdivision:	Street Address: 6188 SW CR 18
City: Fort White	County: Columbia
General Contractor:	Area Treated: soil / exterior perimeter
Date: 04/19/2005	Time: 12:00
Name of applicator: James Parker	Applicator ID Number: JE 55238
Product Used: Active Ingredient: % Concentration Termidor: Fipronil: 0.12%	Number of gallons used: 52
Method of termite prevention treatment: Soil Treatment	

The building has received a complete treatment for the prevention of subterranean termites. Treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services.

This form is proof of complete treatment for Certificate of Occupancy or Closing.

THIS IS PROOF OF WARRANTY

Warranty and Treatment Certifications Have Been Issued.

Authorized Signature: <i>Henise Wood</i>	Date: <i>2-1-07</i>
---	------------------------

BRANCHES:

• Crystal River • Daytona Beach • Ft. Walton Beach • Jacksonville South • Jacksonville West • Lake City • Milton • Ocala • Orlando • Palatka • Panama City • Pensacola • Starke • St. Augustine • Tallahassee • Winter Haven • Leesburg • Kissimmee •

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Klenk Addition**
Address:
City, State: ,
Owner:
Climate Zone: **North**

Builder:
Permitting Office: *Columbia*
Permit Number: *25484*
Jurisdiction Number: *221000*

- | | | | | | |
|--|--|-----|--|-------------------|-----|
| 1. New construction or existing | Addition | ___ | 12. Cooling systems | | |
| 2. Single family or multi-family | Single family | ___ | a. Central Unit | Cap: 6.0 kBtu/hr | ___ |
| 3. Number of units, if multi-family | 1 | ___ | | SEER: 13.00 | ___ |
| 4. Number of Bedrooms | 1 | ___ | b. N/A | | ___ |
| 5. Is this a worst case? | Yes | ___ | c. N/A | | ___ |
| 6. Conditioned floor area (ft ²) | 273 ft ² | ___ | 13. Heating systems | | |
| 7. Glass area & type | Single Pane Double Pane | ___ | a. Electric Heat Pump | Cap: 6.0 kBtu/hr | ___ |
| a. Clear glass, default U-factor | 30.0 ft ² 0.0 ft ² | ___ | | HSPF: 8.00 | ___ |
| b. Default tint | 0.0 ft ² 0.0 ft ² | ___ | b. N/A | | ___ |
| c. Labeled U or SHGC | 0.0 ft ² 0.0 ft ² | ___ | c. N/A | | ___ |
| 8. Floor types | | ___ | 14. Hot water systems | | |
| a. Slab-On-Grade Edge Insulation | R=0.0, 115.3(p) ft | ___ | a. Electric Resistance | Cap: 50.0 gallons | ___ |
| b. N/A | | ___ | | EF: 0.90 | ___ |
| c. N/A | | ___ | b. N/A | | ___ |
| 9. Wall types | | ___ | c. Conservation credits | | ___ |
| a. Frame, Wood, Exterior | R=13.0, 922.4 ft ² | ___ | (HR-Heat recovery, Solar | | ___ |
| b. N/A | | ___ | DHP-Dedicated heat pump) | | ___ |
| c. N/A | | ___ | 15. HVAC credits | MZ-C, PT, CF, | ___ |
| d. N/A | | ___ | (CF-Ceiling fan, CV-Cross ventilation, | | ___ |
| e. N/A | | ___ | HF-Whole house fan, | | ___ |
| 10. Ceiling types | | ___ | PT-Programmable Thermostat, | | ___ |
| a. Under Attic | R=30.0, 300.3 ft ² | ___ | MZ-C-Multizone cooling, | | ___ |
| b. N/A | | ___ | MZ-H-Multizone heating) | | ___ |
| c. N/A | | ___ | | | ___ |
| 11. Ducts | | ___ | | | ___ |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 45.6 ft | ___ | | | ___ |
| b. N/A | | ___ | | | ___ |

Glass/Floor Area: 0.11

Total as-built points: 6604
Total base points: 7535

PASS

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

PREPARED BY: *W. H. H. Free*
DATE: *12/13/06*

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: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	273.0	20.04	984.8	Single, Clear	W	1.5	6.0	30.0	43.84	0.91	1201.2
				As-Built Total:			30.0			1201.2	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			922.4	1.50	1383.6	
Exterior	922.4	1.70	1568.1								
Base Total: 922.4 1568.1				As-Built Total:			922.4			1383.6	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Wood				68.0	6.10	414.8	
Exterior	68.0	6.10	414.8								
Base Total: 68.0 414.8				As-Built Total:			68.0			414.8	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	273.0	1.73	472.3	Under Attic	30.0			300.3	1.73 X 1.00	519.5	
Base Total: 273.0 472.3				As-Built Total:			300.3			519.5	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	115.3(p)	-37.0	-4266.1	Slab-On-Grade Edge Insulation	0.0			115.3(p)	-41.20	-4750.4	
Raised	0.0	0.00	0.0								
Base Total: -4266.1				As-Built Total:			115.3			-4750.4	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
273.0 10.21 2787.3				273.0 10.21 2787.3							
Summer Base Points: 1961.2				Summer As-Built Points: 1556.1							
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)							
1961.2 0.4266 836.6				1556.1 1.00 1.138 0.263 0.857 398.5							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE	AS-BUILT
GLASS TYPES	
.18 X Conditioned X BWPM = Points Floor Area	<div style="display: flex; justify-content: space-between;"> <div>Type/SC</div> <div>Overhang Ornt Len Hgt</div> <div>Area X WPM X WOF = Points</div> </div>
.18 273.0 12.74 626.0	Single, Clear W 1.5 6.0 30.0 28.84 1.02 885.5
	As-Built Total: 30.0 885.5
WALL TYPES Area X BWPM = Points	Type R-Value Area X WPM = Points
Adjacent 0.0 0.00 0.0	Frame, Wood, Exterior 13.0 922.4 3.40 3136.2
Exterior 922.4 3.70 3412.9	
Base Total: 922.4 3412.9	As-Built Total: 922.4 3136.2
DOOR TYPES Area X BWPM = Points	Type Area X WPM = Points
Adjacent 0.0 0.00 0.0	Exterior Wood 68.0 12.30 836.4
Exterior 68.0 12.30 836.4	
Base Total: 68.0 836.4	As-Built Total: 68.0 836.4
CEILING TYPES Area X BWPM = Points	Type R-Value Area X WPM X WCM = Points
Under Attic 273.0 2.05 559.6	Under Attic 30.0 300.3 2.05 X 1.00 615.6
Base Total: 273.0 559.6	As-Built Total: 300.3 615.6
FLOOR TYPES Area X BWPM = Points	Type R-Value Area X WPM = Points
Slab 115.3(p) 8.9 1026.2	Slab-On-Grade Edge Insulation 0.0 115.3(p) 18.80 2167.6
Raised 0.0 0.00 0.0	
Base Total: 1026.2	As-Built Total: 115.3 2167.6
INFILTRATION Area X BWPM = Points	Area X WPM = Points
273.0 -0.59 -161.1	273.0 -0.59 -161.1
Winter Base Points: 6300.1	Winter As-Built Points: 7480.3
Total Winter X System = Heating Points Multiplier Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)
6300.1 0.6274 3952.7	<div style="display: flex; justify-content: space-between;"> <div>7480.3</div> <div>1.000</div> <div>(1.069 x 1.169 x 0.93)</div> <div>0.426</div> <div>0.950</div> <div>3520.3</div> </div> <div style="display: flex; justify-content: space-between;"> <div>7480.3</div> <div>1.00</div> <div>1.162</div> <div>0.426</div> <div>0.950</div> <div>3520.3</div> </div>

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 X Ratio	Multiplier X Credit Multiplier	= Total
1		2746.00	2746.0	50.0	0.90	1	1.00	2684.98	1.00 2685.0
				As-Built Total:					2685.0

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
837		3953	2746 7535	399		3520	2685 6604

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.7

The higher the score, the more efficient the home.

1. New construction or existing	Addition	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 6.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	273 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	30.0 ft² 0.0 ft²	a. Electric Heat Pump	Cap: 6.0 kBtu/hr
b. Clear - double pane	0.0 ft² 0.0 ft²		HSPF: 8.00
c. Tint/other SHGC - single pane	0.0 ft² 0.0 ft²	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 115.3(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 922.4 ft²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	MZ-C, PT, CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 300.3 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 45.6 ft		
b. N/A			

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs.*

EnergyGauge Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Project Title:
Klenk Addition

Code Only
Professional Version
Climate: North

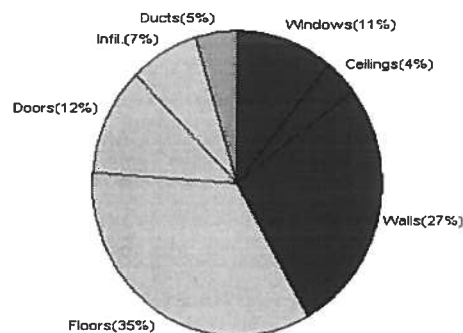
12/13/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	98 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	23 F
Total heating load calculation	10556 Btuh	Total cooling load calculation	8132 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	56.8 6000	Sensible (SHR = 0.5)	42.1 3000
Heat Pump + Auxiliary(0.0kW)	56.8 6000.	Latent	296.0 3000
		Total (Electric Heat Pump)	73.8 6000

WINTER CALCULATIONS

Winter Heating Load (for 273 sqft)

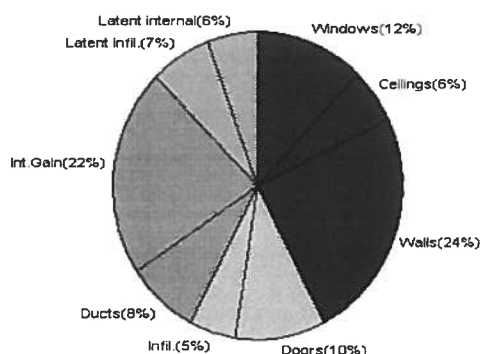
Load component		Load	
Window total	30 sqft	1158	Btuh
Wall total	922 sqft	2859	Btuh
Door total	68 sqft	1220	Btuh
Ceiling total	300 sqft	390	Btuh
Floor total	115 ft	3643	Btuh
Infiltration	18 cfm	782	Btuh
Subtotal		10054	Btuh
Duct loss		503	Btuh
TOTAL HEAT LOSS		10556	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 273 sqft)

Load component		Load	
Window total	30 sqft	990	Btuh
Wall total	922 sqft	1974	Btuh
Door total	68 sqft	835	Btuh
Ceiling total	300 sqft	468	Btuh
Floor total		0	Btuh
Infiltration	16 cfm	404	Btuh
Internal gain		1800	Btuh
Subtotal(sensible)		6471	Btuh
Duct gain		647	Btuh
Total sensible gain		7118	Btuh
Latent gain(infiltration)		553	Btuh
Latent gain(internal)		460	Btuh
Total latent gain		1013	Btuh
TOTAL HEAT GAIN		8132	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *W. H. H. H.*

DATE: *12/13/06*

System Sizing Calculations - Winter

Residential Load - Component Details

Project Title:
Klenk Addition

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

12/13/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	1, Clear, Wood, DEF	N	30.0	38.6	1158 Btuh
	Window Total		30		1158 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	922	3.1	2859 Btuh
	Wall Total		922		2859 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		68	17.9	1220 Btuh
	Door Total		68		1220Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	300	1.3	390 Btuh
	Ceiling Total		300		390Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	115.3 ft(p)	31.6	3643 Btuh
	Floor Total		115		3643 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	2730(sqft)	18	782 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			18	782 Btuh

Totals for Heating	Subtotal	10054 Btuh
	Duct Loss(using duct multiplier of 0.05)	503 Btuh
	Total Btuh Loss	10556 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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

System Sizing Calculations - Summer

Residential Load - Component Details

Project Title:
Klenk Addition

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 12/13/2006

Window	Type	Overhang		Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	1, Clear, DEF, N, N	N	1.5	6	30.0	0.0	30.0	33	33	990	Btuh
	Window Total				30					990	Btuh
Walls 1	Type	R-Value			Area		HTM		Load		
	Frame - Exterior	13.0			922.4		2.1		1974 Btuh		
	Wall Total				922.4				1974 Btuh		
Doors 1	Type	R-Value			Area		HTM		Load		
	Wood - Exter				68.0		12.3		835 Btuh		
	Door Total				68.0				835 Btuh		
Ceilings 1	Type/Color	R-Value			Area		HTM		Load		
	Under Attic/Dark	30.0			300.3		1.6		468 Btuh		
	Ceiling Total				300.3				468 Btuh		
Floors 1	Type	R-Value			Size		HTM		Load		
	Slab-On-Grade Edge Insulation	0.0			115.3 ft(p)		0.0		0 Btuh		
	Floor Total				115.3				0 Btuh		
Infiltration	Type	ACH			Volume		CFM=		Load		
	Natural	0.35			2730		16.0		404 Btuh		
	Mechanical						0		0 Btuh		
	Infiltration Total						16		404 Btuh		

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	2	X 300 +	1200	1800 Btuh

Totals for Cooling	Subtotal	6471 Btuh
	Duct gain(using duct multiplier of 0.10)	647 Btuh
	Total sensible gain	7118 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	553 Btuh
	Latent occupant gain (2 people @ 230 Btuh per person)	460 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	8132 Btuh

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



AQUAFIN

VAPORTIGHT COAT®-SG2

#25484

Water / Vapor / Oil Barrier Coating

- ✓ Reduces moisture vapor emission rates of up to 25 lbs to 3 lbs or less
- ✓ 1-coat application up to 25 lbs MYER
- ✓ Flooring system installed next day
- ✓ Covers even 5 day old concrete
- ✓ Eliminates "out-gassing" of concrete
- ✓ Applied to moist or dry concrete
- ✓ High alkalinity barrier (pH 13 - 14)

Product Description

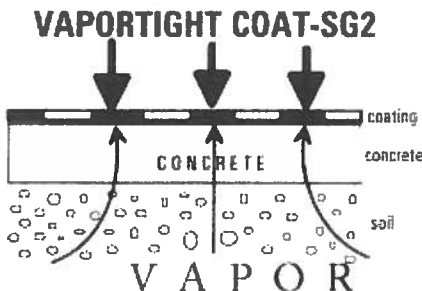
AQUAFIN® VAPORTIGHT COAT®-SG2 (in short "SG2") is a unique 2-component, moisture tolerant, extremely high density, chemically enhanced epoxy based product which prevents the passage of water vapor and moisture through slabs or walls on or below grade, thus eliminating delamination of adhesives, floor coverings and coatings. It also prevents capillary infiltration of oil or other chemicals from the ground and can be used to treat oil-contaminated slabs.

"SG2" reduces water vapor transmission levels of up to 25 lbs/24 hrs • 1000 ft² to 3 lbs or less for the installation of most floor covering systems including VCT, sheet vinyl, carpets, wood, laminates, epoxy, terrazzo & synthetic. "SG2" can also be used as a stand-alone coating (consult our technical dept.).

Typical Applications

Water-Vapor Transmission

Concrete slabs and cementitious underlayments (other than gypsum) with missing or damaged vapor barriers



- **Barrier for oil & other chemicals.**
Used for secondary containment or to prevent infiltration of oil and other chemicals
- **Fresh concrete slabs and underlayments.**
5 day old concrete slabs and underlayments

Areas of application:

- Industrial/retail facilities • Office buildings
- Hospitals and schools • Residential slabs
- Food processing plants

Features/Benefits

- Low VOC
- Vapor & water barrier

- ◆ Barrier against radon and other gases
- ◆ Excellent adhesion to steel
- ◆ Compatible with most flooring systems
- ◆ High chemical resistance (see chemical resistance guide 5 1 1-2)
- ◆ Meets USDA/FSIS guidelines
- ◆ Easy to install ◆ Minimal downtime

Water-Vapor Emission Testing

AQUAFIN strongly recommends 'Anhydrous Calcium Chloride' testing as per ASTM F 1869-98 or testing as per ASTM F 2170 on slabs to be treated, to determine the MVER = moisture vapor emission rate in lb/24 hr • 1000 ft² (grams/hr • m²). This testing must be carried out before application of "SG2" to obtain AQUAFIN warranty.

For concrete slabs with emission rates from 20 to 25 lb/24 hr • 1000 ft² (4 to 5 grams/hr • m²), it is required that a test application be conducted with "SG2" to verify acceptable MVER levels and structural soundness of the concrete slab.

Consult our technical dept. before applying "SG2" to concrete slabs with compressive strength of less than 3,500 psi (27 MPa).

Preparation of Substrate

All concrete surfaces to be treated with "SG2" must be clean, sound and have an "open"/absorptive surface ("tooth and suction").

- ⇒ Do not apply "SG2" to surfaces which have been previously treated with any kind of sealer.

A. Water-Vapor Transmission Treatment:

1. Remove existing floor coverings, coatings, adhesives, curing compounds, efflorescence, dust, grease, laitance, etc down to bare concrete with steel shot blasting, abrasive (sand) blasting, scarifying or grinding using a diamond cup blade. Acid etching is not recommended.
2. Shot blast or abrasive blast concrete slabs to surface profile ICRl CSP 2 - 5 (ICRl, Des Plaines, IL, Guideline No. 03732).
3. Repair cracks with a suitable patching mortar.
4. Install cementitious underlayments, leveling mortars, flash patching, on top of SG2.
5. Treat saw cut and expansion joints as per application Guideline 5 1 1-1.
6. Carefully rinse all the surfaces to be treated with clean water, leave no standing water.

B. Oil contaminated slabs:

1. After steel shot blasting, treat surface with a de-greasing cleaning agent by the detergent scrubbing method as outlined in ICRl Guideline No. 03732.
2. Clean treated surface with high pressure water blasting of minimum 2 500 psi
3. The surface shall be damp/moist without standing water, when applying "SG2". If the substrate dries before applying "SG2", oil can rise again and prevent "SG2" from bonding.
- ⇒ In weather exposed areas protect the application for 4 - 6 hours (at 70°F (21°C)) from rain and moisture
- ⇒ Protect from UV exposure.

Mixing

- ⇒ Use chemical resistant gloves and goggles when mixing or applying "SG2"
- ⇒ Material should be minimum 60°F (15°C) at time of mixing
- ⇒ Do not alter mixing ratios. Do not thin.

Part A (A-Component) = resin and Part B (B-Component) = hardener are supplied in the appropriate mixing ratio.

1. Pierce a hole through the top (rubber membrane) and the bottom of Part B container. Assure that Part B completely drains into Part A. Always mix a complete kit in the proportions supplied.
2. Stir mixture for approximately 5 minutes to a homogenous, streak free consistency using a slow speed drill (approx. 300 rpm) with a PS Jiffy blade. Avoid any action that may entrap air. Ensure that the material at the pail bottom and sides are agitated.

Application

"SG2" can be applied to concrete and cementitious toppings that are at least 5 days old.

1. **After steel shot blasting or scarifying, check slab surface with the water drop method.** Pour a drop of water about the size of a dime in several places. If it beads, surface is not absorptive and requires more preparation. If it penetrates the concrete within approx. 30 seconds the surface is absorptive and ready to receive the "SG2" treatment. A test application is recommended on old slabs where a sealer may be present.
2. Pour mixed material from the mixing container into a clean container and carefully mix it once more (approx. 30 seconds).

Sample Water Vapor Transmission Reduction

Test : ASTM E 96-95

Test	Test Results		
	BEFORE Untreated Control Wet Method	AFTER: VAPORTIGHT COAT®-SG2 1 coat at 0.6 kg/m ²	REDUCTION %
Water Vapor Transmission: ◆ lbs / 24 hours • 1000 ft ² ◆ grams / hour • m ²	19.24 3.91	1.03 0.21	95
Permeance: ◆ perms ◆ grams / ft ² • s • in ²	15.54 8.88 x 10 ⁻¹¹	0.83 4.76 x 10 ⁻¹²	95

Test carried out by independent laboratory

AQUAFIN, Inc.
December 2003

DIV. 7 + 9

07260 VAPOR RETARDERS
09601 CONCRETE FLOOR SEALER

5.1.1

VAPORTIGHT COAT®-SG2

"SG2" Application Rates & Yield of 2.1 gal (8.1 L) kit

Moisture vapor emission rate lb/24 hr • 1000 ft ²	lg/volm ³	No. of coats	Application rate ft ² /gal (kg/m ²)	Yield per 2.1 gal kit ft ² (m ²)	Appx. Thickness mils (mm)
up to 15	0 - 3.0	1	115	240	14
15 - 20	3.0 - 4.0	1	95	200	16
20 - 25	4.0 - 5.0	1	75	160	21
New concrete (min. 5 days old)		1	100	210	16
Oil contaminated slabs		1	100	210	16

Walls: contact our technical dept. Note: all values theoretical. Application thicknesses are approximate. Some variations may apply due to porosity and absorption of substrate.

Technical Data

Material	2-component epoxy
Color	White
Density	15.49 lbs./gal (1.86 kg/l)
VOC Content, mixed	0.5 lbs./gal (55 g/L)
Volume Solids	97 %
Flash Point: Part A	> 212°F (> 100°C)
Part B	170°F (77°C)
Mixing Ratio	100:12 (by weight)
Pot Life, approx.	60 Minutes at 75°F (24°C) 30 Minutes at 85°F (30°C)
Open to Foot Traffic:	after 12 hrs at 73°F (23°C)
Curing Temperature	minimum 46°F (8°C)
Full Strength	after 7 days
Compressive Strength	> 11,000 psi (> 80 MPa)
Flexural Strength	> 4,300 psi (> 30 MPa)
Adhesion to:	
• new concrete (5 days)	110 psi (0.8 MPa)
• moist concrete (28 d)	550 psi (3.8 MPa)
• dry concrete (28 days)	500 psi (4.0 MPa)
Temperature Resistance	
a.) Continuous:	
• dry heat	140°F (60°C)
• humid	113°F (45°C)
b.) Intermittent:	
• high pressure water	195°F (85°C)
	248°F briefly (120°C)
• dry heat	149 - 185°F (65 - 85°C)

All data are average values obtained under laboratory conditions. In practical use temperature, humidity and absorption of the substrate may influence the above given values.

- Protect the area to be treated from strong sun light and wind. Indoors, prevent noticeable drafts.
- Do not apply at air or slab temperature below 50°F (10°C).
- Insure that the material is applied within the coverage rate specifications by marking the area to be covered.
- Install "SG2" as per above chart "Application Rates".
 - Step 1:** apply "SG2" by short nap roller or squeegee to the still moist substrate.
 - Step 2:** carefully scrub it into the pores with a long handled scrub brush.
 - Step 3:** follow with a roller to achieve a uniform coverage.

↳ **Note:** "SG2" can not be sprayed

7. Step 4 Sand

- Immediately broadcast clean, dry, fresh water washed and dried #20 silica sand (ASTM E11 No. 18 - 35 sieve size (0.5 - 1.0 mm dia.)) to "rejection" (full broadcast), or at a rate up to 30 lb per 100 SF (1.5 kg/m²) into the fresh (wet) "SG2".
- Carefully remove any loose sand after a curing period of 12 - 24 hrs, before applying 2nd coat or top coating.

8. Top coating:

- "SG2" surfaces receiving a subsequent top coating (epoxy, terrazzo, cement-based topping, underlayment, polyurea, synthetic or rubber, etc.) must be broadcast with sand as described in item 7, "Sand".
- If a smooth surface is desired (omitting sand), the "SG2" must be mechanically roughened (i.e. with a #80 grit sanding screen) and the entire area wiped clean with MEK.

9. Flooring:

Flooring systems including VCT, sheet vinyl, linoleum, carpet and wood can be applied approx. 12 - 16 hrs after the initial application (as soon as the coating opens to foot traffic). Please note that adhesives should not be used directly over "SG2" without approval of AQUAFIN. Many floor covering materials (i.e. VCT, sheet vinyl, linoleum, carpet) also require a more level or smooth surface. In such cases an application of a self-leveling underlayment (minimum 1/8" (3 mm) thickness) is required to provide a proper substrate for the floor covering and the adhesive.

10. Application equipment needed:

Soft-edge squeegee, short nap synthetic roller, long handled scrub brush.

11. Cleanup:

Immediately clean all equipment and tools with mineral spirits.

Packaging & Shelf Life

2.1 gal kit = 33 lbs (8.1 L = 15 kg)

A kit consists of:

- 29.5 lb (13.39 kg) "A-Component" (resin)
- 3.5 lb (1.61 kg) "B-Component" (hardener)

Shelf life is 18 months in closed, original packaging, stored in a dry, cool place.

Safety

Refer to MSDS For commercial use only.

Part A - irritant, sensitizer - contains epoxy resins
Part B - corrosive, sensitizer - contains amines

Avoid contact with skin and eyes and prolonged inhalation. Wear chemical resistant gloves and safety goggles. After contact with skin, wash immediately with water and soap and rinse thoroughly. In case of eye contact, rinse opened eye for several minutes under running water and immediately seek medical advice. After inhalation supply fresh air and call doctor for safety reasons. Use NIOSH/MSHA

approved vapor respirator in poorly ventilated areas. **KEEP OUT OF REACH OF CHILDREN.**

Spills: Ventilate area. Contain and collect spillage with noncombustible absorbent materials (i.e. sand, vermiculite, universal binders, sawdust, etc.) and place in container for disposal. Emergency procedures are not required. Dispose of in accordance with current local, state and federal regulations.

VOC limit: This product is well below the allowable EPA limits as stated in 40 CFR Part 59.

Limited Warranty:

This product is sold with the "standard" limited warranty described below. An extended 10 year material and labor limited warranty is available for emission rates up to 25 lbs/24 hrs • 1000 ft² (5 grams/hr/m²) when product is installed by an AQUAFIN trained and licensed applicator or the installation is factory inspected and approved. To qualify for the extended limited warranty, application must be submitted and accepted prior to bidding project. The terms and conditions of that limited warranty are contained in the application.

LIMITED WARRANTY: AQUAFIN, INC. warrants to the owner of the premises at the time of installation that for a period of 10 years after installation its products are free of manufacturing defects. As the sole remedy, we will replace or, at our election, refund the purchase price of, any product which is proven to be defective, provided that the product was properly applied. Our product recommendations are based on industry standards and testing procedures. We assume no warranties either written, expressed or implied as to any specific methods of application or use of the product. AQUAFIN, INC. MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. AQUAFIN, INC. shall not be liable for damages of any sort including without limitation indirect or consequential damages, down time, or delay. This limited warranty is not transferable without AQUAFIN's prior express written consent.

AQUAFIN Building Product Systems



4916 26th Street West, Suite 100, Bradenton, Florida 34207
Toll Free 877-GND-ZERO (463-1376), Direct Phone 941-751-7581 Fax 1-941-751-7586
Email sales@gndzero.com
Http://www.gndzero.com



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)

MI Home Products, Inc.
650 West Market Street
Gratz, PA 17030

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "BetterBilt D185SH/D3185SH" Aluminum Single Hung Window

APPROVAL DOCUMENT: Drawing No. S-2422, titled "Non-Impact Single Hung Window Rectangle Circle Top & Oriel", sheets 1 through 5 of 5, prepared by RW Building Consultants, inc, dated 10/27/03 with revision "2", dated 02/10/04, signed and sealed by Wendell Haney, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

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.

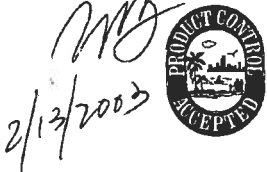
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**

NOA No 03-1215.02
Expiration Date: March 04, 2009
Approval Date: March 04, 2004
Page 1



MI Home Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. S-2422, titled "Non-Impact Single Hung Window Rectangle Circle Top & Oriel", sheets 1 through 5 of 5, prepared by RW Building Consultants, inc, dated 10/27/03 with revision "2", dated 02/10/04, signed and sealed by Wendell Haney, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Architectural Testing, Inc., Test Report No. ATI 03056, dated 11/11/03, signed by Joseph A. Reed, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by R.W. Building Consultants, Inc., dated 12/11/03, signed and sealed by Lyndon F. Schmidt, P.E.
2. Revised Anchor Calculations, and structural analysis, prepared by R.W. Building Consultants, Inc., dated 02/10/04, signed and sealed by Lyndon F. Schmidt, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

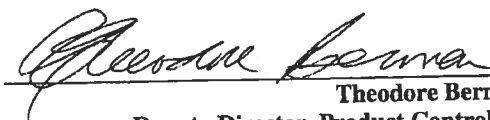
1. None.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated December 09, 2003, signed and sealed by Lyndon F. Schmidt, P.E.
2. Statement letter of no financial interest with the laboratory that performed the Test Report No. ATI 03056, dated November 08, 2003, signed by Stu White, Design Engineering Manager.

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



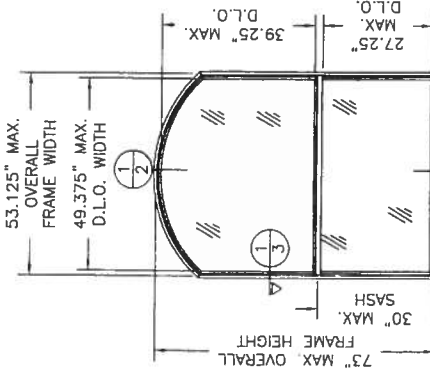
Theodore Berman, P.E.
Deputy Director, Product Control Division

NOA No 03-1215.02
Expiration Date: March 04, 2009
Approval Date: March 04, 2004

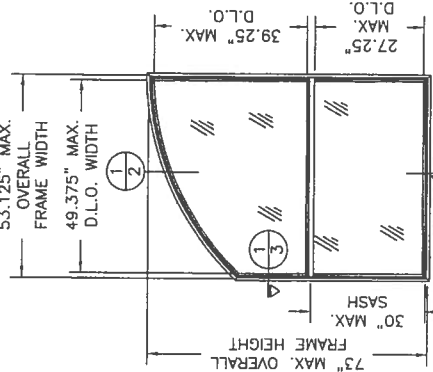
MI HOME PRODUCTS
650 WEST MARKET STREET • GRANT, PA • 17030-0370
SERIES BETTERBILT D185SH/D3185SH
ALUMINUM SINGLE HUNG WINDOW

GENERAL NOTES:

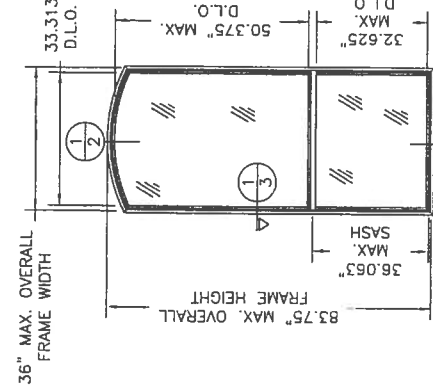
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE "HVHZ" OF THE FLORIDA BUILDING CODE.
2. WOOD BUICKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. FOR DESIGN PRESSURE RATING SEE TABLE THIS SHEET.
5. INSTALLATION OF THIS SYSTEM IN HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTER/EXTERNAL PROTECTION DEVICE COMPLYING WITH HVHZ REQUIREMENTS. INSTALLATION OF THIS SYSTEM OUTSIDE OF HVHZ SHALL MEET THE APPLICABLE CODE REQUIREMENTS FOR WINDBORNE DEBRIS PROTECTION.
6. THIS PRODUCT MEETS WATER REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES.



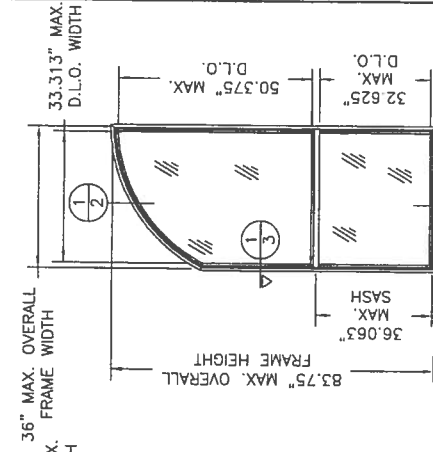
53" x 73" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



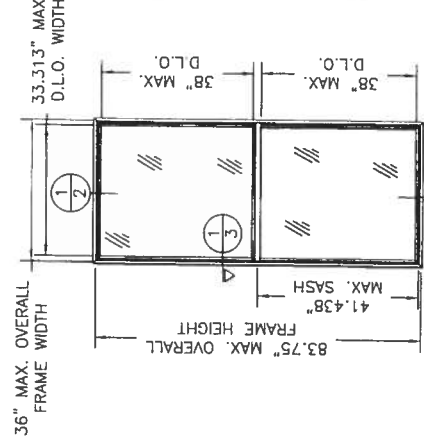
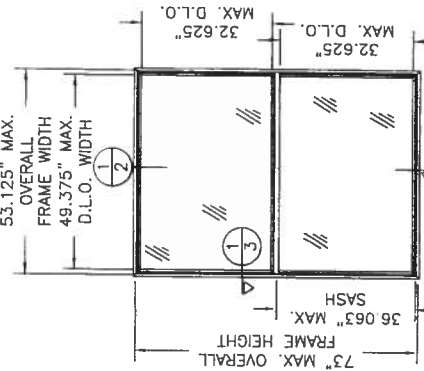
53" x 73" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL



53" x 73" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



53" x 73" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL



36" x 84" SINGLE HUNG WINDOW

36" x 84" SINGLE HUNG WINDOW

SHEET #	DESCRIPTION
1	GENERAL NOTES & TYPICAL ELEVATIONS
2	VERTICAL CROSS SECTIONS
3	HORIZONTAL CROSS SECTIONS & GLAZING DETAIL
4	ANCHORING LOCATIONS
5	COMPONENTS, BILL OF MATERIALS

GLASS	MAX. SIZE	DP POS.	DP NEG.
1/8" Temp.	OA 53" x 73"	+56.7	-69.3
1/8" Temp.	OA 37" x 84"	+56.7	-69.3
3/16" Ann.	OA 53" x 73"	+42.0	-42.0
3/16" Ann.	OA 37" x 84"	+56.7	-58.0

ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

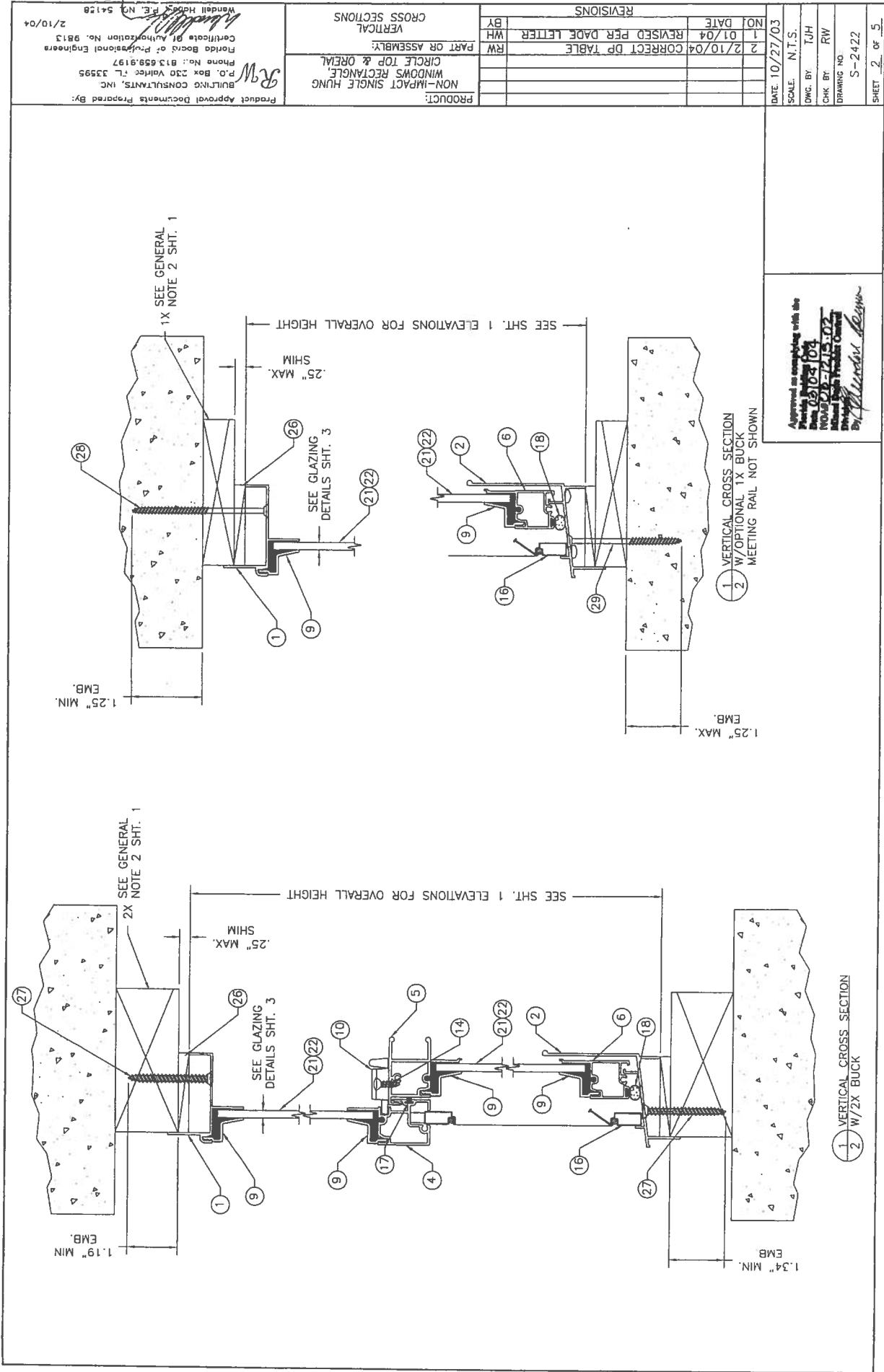
Approved as complying with the
Florida Building Code
Date: 03/08/04
By: [Signature]
N/A: 03-185-D2
N/A: 03-185-D2
By: [Signature]
By: [Signature]

DATE: 10/27/03
SCALE: N.T.S.
DWG. BY: T.J.H.
CHK. BY: RW
DRAWING NO.: S-2422
SHEET 1 of 5

NO.	DATE	REVISIONS
1	01/04	REVISED PER DATE LETTER
2	2/10/04	CORRECT DP TABLE

PART OR ASSEMBLY	WH	BY
NON-IMPACT SINGLE HUNG WINDOW RECTANGLE, CIRCLE TOP & ORIEL	RW	
GENERAL NOTES & TYPICAL ELEVATIONS		

Product Approval Documents Prepared By:
BULRING CONSULTANTS, INC.
P.O. Box 230 Venice FL 33595
Phone No.: 813.859.9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
Wendell Harris, P.E. NO. 54158
2/10/04



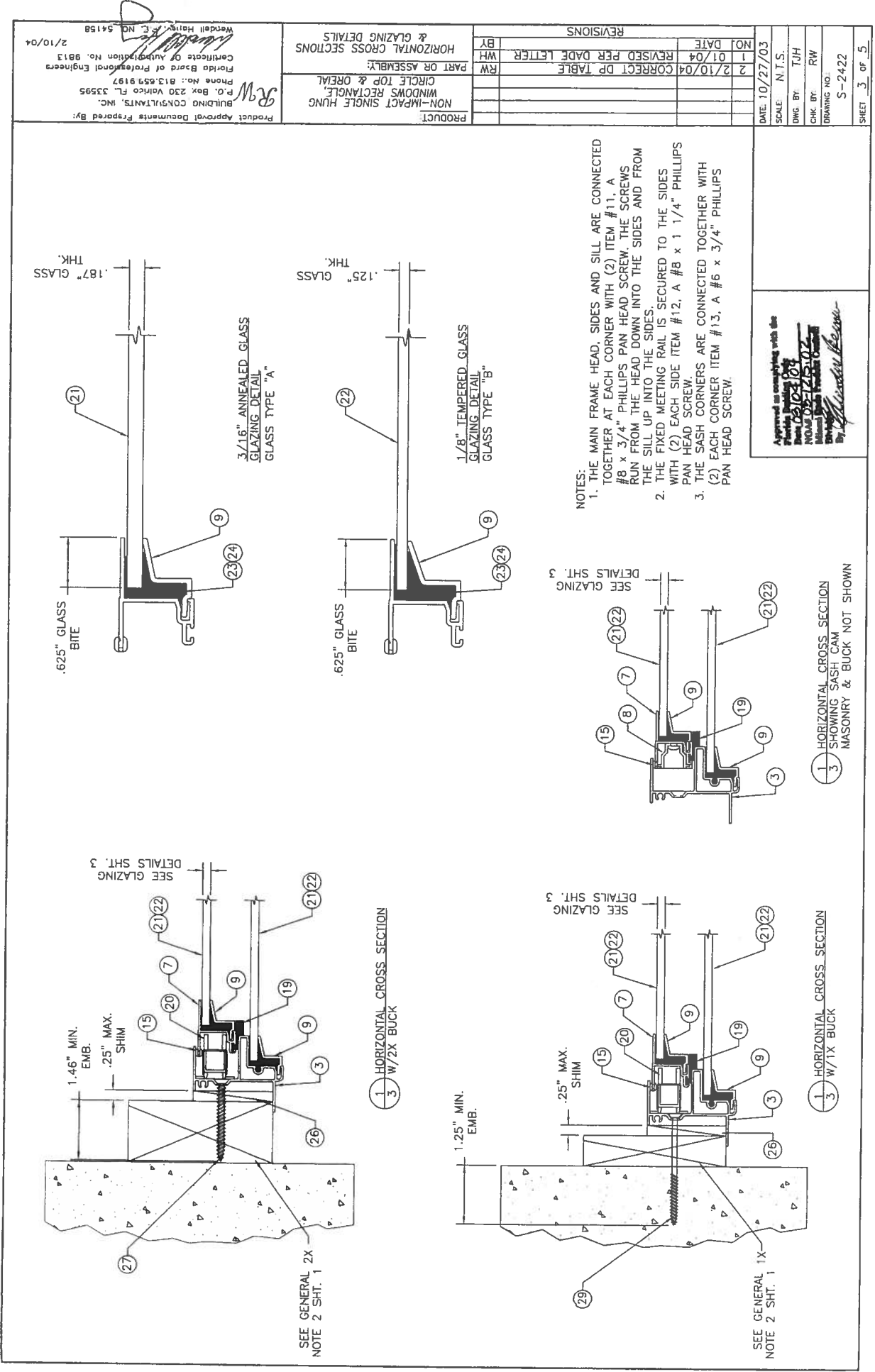
Approved as existing with the
 Florida Building Code
 Date: 03/04/04
 NO. 03-12-215.02
 Michael Smith Product Center
 Division
 By: *Michael Smith*

DATE	10/27/03
SCALE	N.T.S.
DMC BY	TJH
CHK BY	RW
DRAWING NO	S-2422
SHEET	2 of 5

NO.	DATE	REVISIONS
1	01/04	REVISED PER DATA LETTER
2	2/10/04	CORRECT DP TABLE

PRODUCT:	NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & OREAL
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

Product Approval Documents Prepared By:
RW
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico, FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
 Wendell Hodges, P.E. No. 54128
 2/10/04



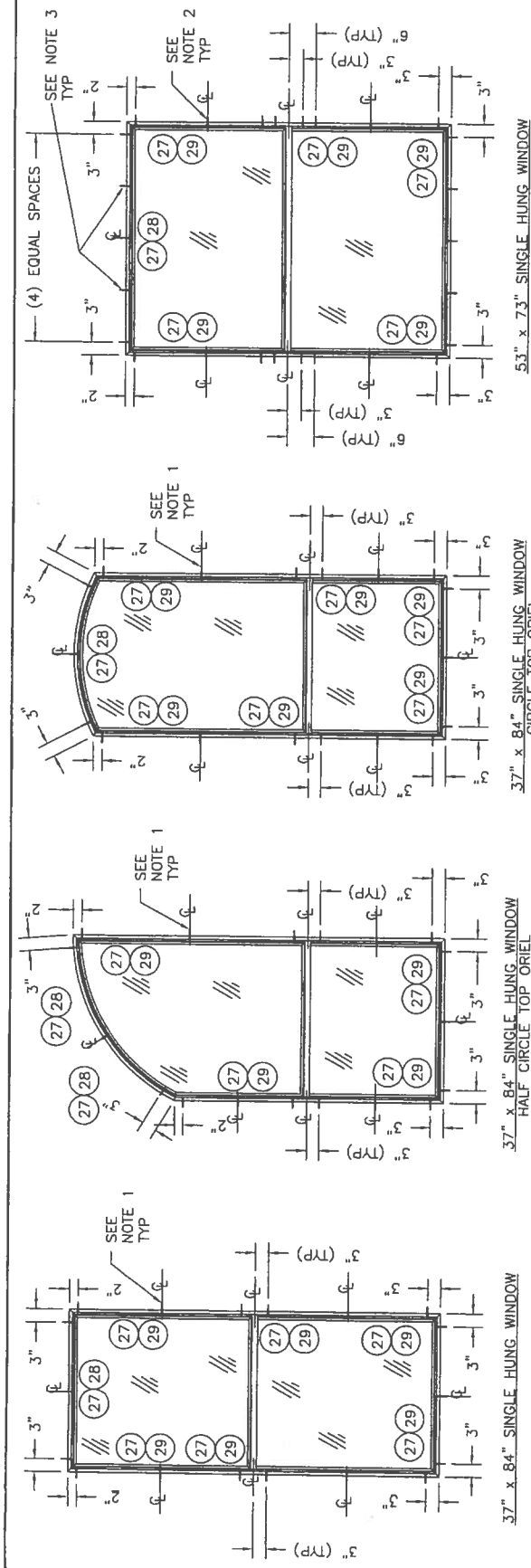
DATE: 10/27/03		SCALE: N.T.S.	DWG. BY: TJH	CHK. BY: RW	DRAWING NO. S-2422	SHEET 3 OF 5
NO.	DATE	REVISIONS				
1	01/04	CORRECT DP TABLE				
2	2/10/04	REVISOR PER DATE LETTER				
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Approved as complying with the
Florida Building Code
Date 03/04/04
By [Signature]
NAME: [Name]
Title: [Title]
Firm: [Firm]

- NOTES:
1. THE MAIN FRAME HEAD, SIDES AND SILL ARE CONNECTED TOGETHER AT EACH CORNER WITH (2) ITEM #11, A #8 x 3/4" PHILLIPS PAN HEAD SCREW. THE SCREWS RUN FROM THE HEAD DOWN INTO THE SIDES AND FROM THE SILL UP INTO THE SIDES.
 2. THE FIXED MEETING RAIL IS SECURED TO THE SIDES WITH (2) EACH SIDE ITEM #12, A #8 x 1 1/4" PHILLIPS PAN HEAD SCREW.
 3. THE SASH CORNERS ARE CONNECTED TOGETHER WITH (2) EACH CORNER ITEM #13, A #6 x 3/4" PHILLIPS PAN HEAD SCREW.

1 HORIZONTAL CROSS SECTION
3 SHOWING SASH CAM
MASONRY & BUCK NOT SHOWN

1 HORIZONTAL CROSS SECTION
3 W/ 1X BUCK

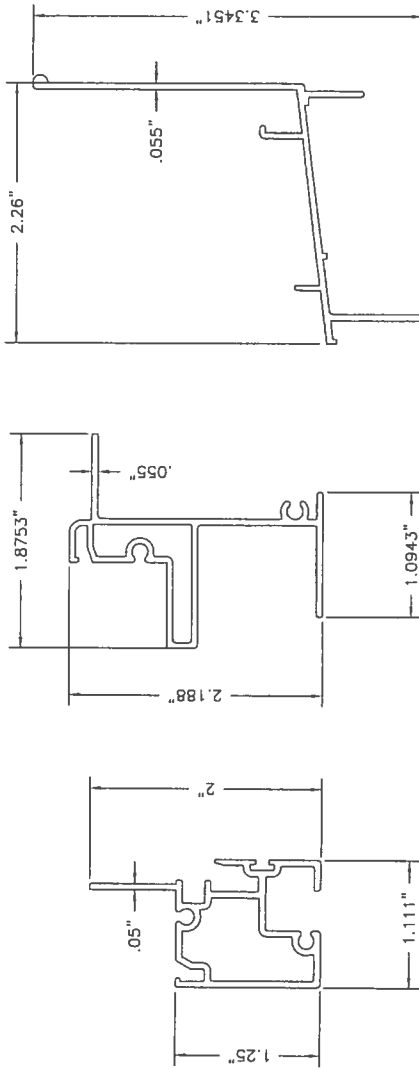


NOTES:

1. FOR UNITS SMALLER THAN 30"x60" DO NOT INSTALL ANCHOR AT CENTER LOCATION.
2. FOR UNITS SMALLER THAN 53"x80" OR SMALLER THAN 30"x66" DO NOT INSTALL ANCHOR AT CENTER LOCATION.
3. FOR UNITS SMALLER THAN 36"x86" DO NOT INSTALL ANCHORS AT EITHER SIDE OF CENTER ANCHOR AT HEAD AND SILL JAMBS.

DATE 10/27/03		SCALE N.T.S.		DWG BY TJH		CHK BY RW		DRAWING NO. S-2422		SHEET 4 of 5	
NO		DATE		CORRECT DP TABLE		REVISED PER DADE LETTER		RW		WH	
1		01/04									
2		2/10/04									
REVISIONS											
BY											

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	EXTRUDED ALUMINUM SINGLE HUNG 1/2" HEAD #CM-18501 BY MI METALS	ALUM.
2	EXTRUDED ALUMINUM SINGLE HUNG 1/2" SILL #CM-18502 BY MI METALS	ALUM.
3	EXTRUDED ALUMINUM SINGLE HUNG 1/2" JAMB #CM-18503 BY MI METALS	ALUM.
4	EXTRUDED ALUMINUM SINGLE HUNG FIXED MEETING RAIL #CM-18504 BY MI METALS	ALUM.
5	EXTRUDED ALUMINUM SINGLE HUNG SASH LOCK RAIL #CM-18505 BY MI METALS	ALUM.
6	EXTRUDED ALUMINUM SINGLE HUNG SASH BOTTOM RAIL #CM-18506 BY MI METALS	ALUM.
7	EXTRUDED ALUMINUM SINGLE HUNG SASH STILE #CM-18507 BY MI METALS	ALUM.
8	SASH CAM #1-185 BY BSI	-
9	GLAZING BEAD #V-185 BY MI PLASTICS	-
10	LOCK #30240-402 BY REFLECTOLITE	-
11	MAIN FRAME SCREW #8 x 3/4" PHILLIPS PAN HEAD	STEEL
12	MEETING RAIL SCREW #8 x 1 1/4" PHILLIPS PAN HEAD	STEEL
13	SASH SCREW #6 x 3/4" PHILLIPS PAN HEAD	STEEL
14	LOCK SCREW #8 x 5/8" PHILLIPS FLAT HEAD -PTD	STEEL
15	SASH GUIDE #80-02-8207 BY PLASTICS, AZ	-
16	WINDOW SCREEN	-
17	FIN WEATHERSTRIPPING 187" x .250" BY AMESBURY	-
18	BULB SEAL #32002 BY AMESBURY	-
19	DUST PLUG 5/8" x 7/8" x .25" BY AMESBURY	-
20	5/8" BLOCK & TACKLE 150 SERIES BY BSI	-
21	GLASS "A" SGL GLAZED 3/16" ANN. BY GUARDIAN	-
22	GLASS "B" SGL GLAZED 1/8" TEMP. BY GUARDIAN	-
23	BACKBEDDING #SM-2100 BY SCHNEE MOREHEAD	SILICONE
24	BACKBEDDING PURFECTGLAZE-H (HOTMELT)	-
25	GLASS SHIM 1/8" x 1/4" x 1" BY SECON	-
26	1/4" MAX SHIM	-
27	#12 x 2" PHILLIPS FLAT HEAD SHEET METAL SCREW	STEEL
28	3/16" x 3 1/4" ELCO TAPCON ANCHOR	STEEL
29	3/16 x 2 3/4" ELCO TAPCON ANCHOR	STEEL



② SILL FIN

③ JAMB-FLANGE

④ FIXED MEETING RAIL

⑤ LOCK RAIL

⑦ FIN WEATHERSTRIPPING

⑧ BULB SEAL

⑨ SASH GUIDE

⑩ SASH STILE

⑪ SASH CAM

⑫ HEAD FLANGE

⑬ SASH BOTTOM RAIL

Approved as complying with the Florida Building Code
 Date: 03/04/04
 By: T.J.H.
 Title: Professional Engineer
 License No.: 13512-02
 Seal: [Signature]

Product Approval Document Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Vero Beach, FL 33595
 Phone No.: 813-659-9197
 Certificate of Professional Engineers
 Florida Board of Professional Engineers
 No. 9813
 2/10/04
 Wendell Honey, P.E. No. 9813

PRODUCT: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & OREWL
 PART OR ASSEMBLY:
 BY: WH
 REVISIONS:

NO.	DATE	REVISIONS
1	01/04	CORRECT DP TABLE
2	2/10/04	REVISED PER DATE LETTER

DATE: 10/27/03
 SCALE: N.T.S.
 DWG. BY: T.J.H.
 CHK. BY: RW
 DRAWING NO.: S-2422
 SHEET 5 OF 5

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	<i>THERMA TELL</i>	<i>OUTSWING</i>	<i>02-010905</i>
A. SWINGING	<i>X</i>		
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	<i>MI HOME PRODUCTS</i>	<i>SINGLE HUNG WINDOW</i>	<i>03-121502</i>
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	<i>TAMKO</i>	<i>ARCH SHINGLES</i>	<i>03-062001</i>
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
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

1/25/07
DATE

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

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 34-6S-16-04059-403

Building permit No. 000025484

Use Classification ADDITION/SFD

Fire: 0.00

Permit Holder JOSEPH KLENK

Waste:

Owner of Building JOSEPH KLENK

Total: 0.00

Location: 6188 SW CR 18, FT. WHITE, FL

Date: 07/02/2007



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

