

DATE 05/13/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027001

APPLICANT ROGER CULPEPPER PHONE 288-4349
ADDRESS 291 SW POWELL GLEN FT. WHITE FL 32038
OWNER ROGER CULPEPPER PHONE 288-4349
ADDRESS 291 SW POWELL GLEN FT. WHITE FL 32038
CONTRACTOR ROGER CULPEPPER PHONE 288-4349
LOCATION OF PROPERTY 47S, TR ON WATSON, TL ON DREW FEAGLE, TL ON POWELL GLEN,
3RD DRIVE ON LEFT
TYPE DEVELOPMENT REMODEL BUILDING ESTIMATED COST OF CONSTRUCTION 21000.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING A-3 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 29-5S-16-03737-126 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES

Roger Culpepper
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 07-1007 BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident



COMMENTS: noc on file

Check # or Cash 1666

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
 date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing
 date/app. by date/app. by date/app. by
Framing Rough-in plumbing above slab and below wood floor
 date/app. by date/app. by
Electrical rough-in Heat & Air Duct Peri. beam (Lintel)
 date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
 date/app. by date/app. by date/app. by
M/H tie downs, blocking, electricity and plumbing Pool
 date/app. by date/app. by
Reconnection Pump pole Utility Pole
 date/app. by date/app. by date/app. by
M/H Pole Travel Trailer Re-roof
 date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 105.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ **TOTAL FEE** 180.00
INSPECTORS OFFICE  CLERKS OFFICE 

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

For Office Use Only Application # 0801-154 Date Received 1-30-08 By LH Permit # 27001
 Zoning Official BLK Date 07.02.08 Flood Zone X FEMA Map # N/A Zoning A-3
 Land Use A-3 Elevation N/A MFE existing River N/A Plans Examiner ERJTH Date 2-4-08
 Comments _____
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. _____ Fax _____
 Name Authorized Person Signing Permit Roger Culpepper Phone (386) 288-4349
 Address 291 S.W. Powell GLN, FORT WHITE, FLA. 32638
 Owners Name BARBARA SUSAN TURNINCASA Phone _____
 911 Address Same as above
 Contractors Name OWNER Phone _____
 Address _____

Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address FREEMAN | 161 NW MADISON ST.
 Mortgage Lenders Name & Address N/A

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

Property ID Number 29-55-16-03737-126 Estimated Cost of Construction 21,000.⁰⁰
 Subdivision Name TURKEY HAVEN LOT# 11B Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions 475 to Watson, right, to Left Drew feagle, Left on Powell GLN., 3rd Drive on Left

Number of Existing Dwellings on Property METAL BLDG.
 Construction of REMODEL BUILDING Total Acreage 5.10 Lot Size 5.10
 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____
 Actual Distance of Structure from Property Lines - Front 285 Side 270 Side 50 Rear 1000
 Number of Stories 1 Heated Floor Area 1242 Total Floor Area 1242 Roof Pitch 4/12

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

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

OWNERS CERTIFICATION: 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

+ Roger Culpepper
Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

+ Roger Culpepper
Contractor's Signature (Permitee)

Contractor's License Number _____
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 30 day of Jan 2008
Personally known _____ or Produced Identification C411-724-67-207-0

Laurie Hodson
State of Florida Notary Signature (For the Contractor)

SEAL:



STATE OF FLORIDA
COUNTY OF COLUMBIA

AFFIDAVIT

This is to certify that I, (We), Barbara Susan TORRENCIA, as the
seller, by an **Agreement for Deed**, of the below described property:

Tax Parcel No. 29-55-16-03737-126

Subdivision (Name, lot, Block, Phase) LOT 118 TURKEY HAVEN

Give my permission for B. Rodger Culpepper to place a
(Mobile Home / Travel Trailer / Single Family Home)

I (We) understand that this could result in an assessment for solid waste and fire
protection services levied on this property.

Barbara Susan Torrence
(1) Seller Signature

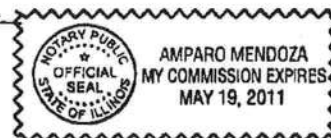
(2) Seller Signature

Sworn to and subscribed before me this 30 day of January, 2008. This

(These) person (s) are personally known to me or produced ID DL# T655-0776-0822
(Type)

Amparo Mendoza
Notary Public Signature
State of ~~Florida~~ ILLINOIS mn
My commission expires: 05/19/2011

Amparo Mendoza
Notary Printed Name





COLUMBIA COUNTY BUILDING DEPARTMENT

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

NOTARIZED 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 for 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.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION

() Single Family Dwelling

() Two-Family Residence

() Farm Outbuilding

X Other Remodel

() Addition, Alteration, Modification or other Improvement

I Roger Culpepper, 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 _____

X Roger Culpepper 1-30-08
Owner Builder Signature Date

FLORIDA NOTARY

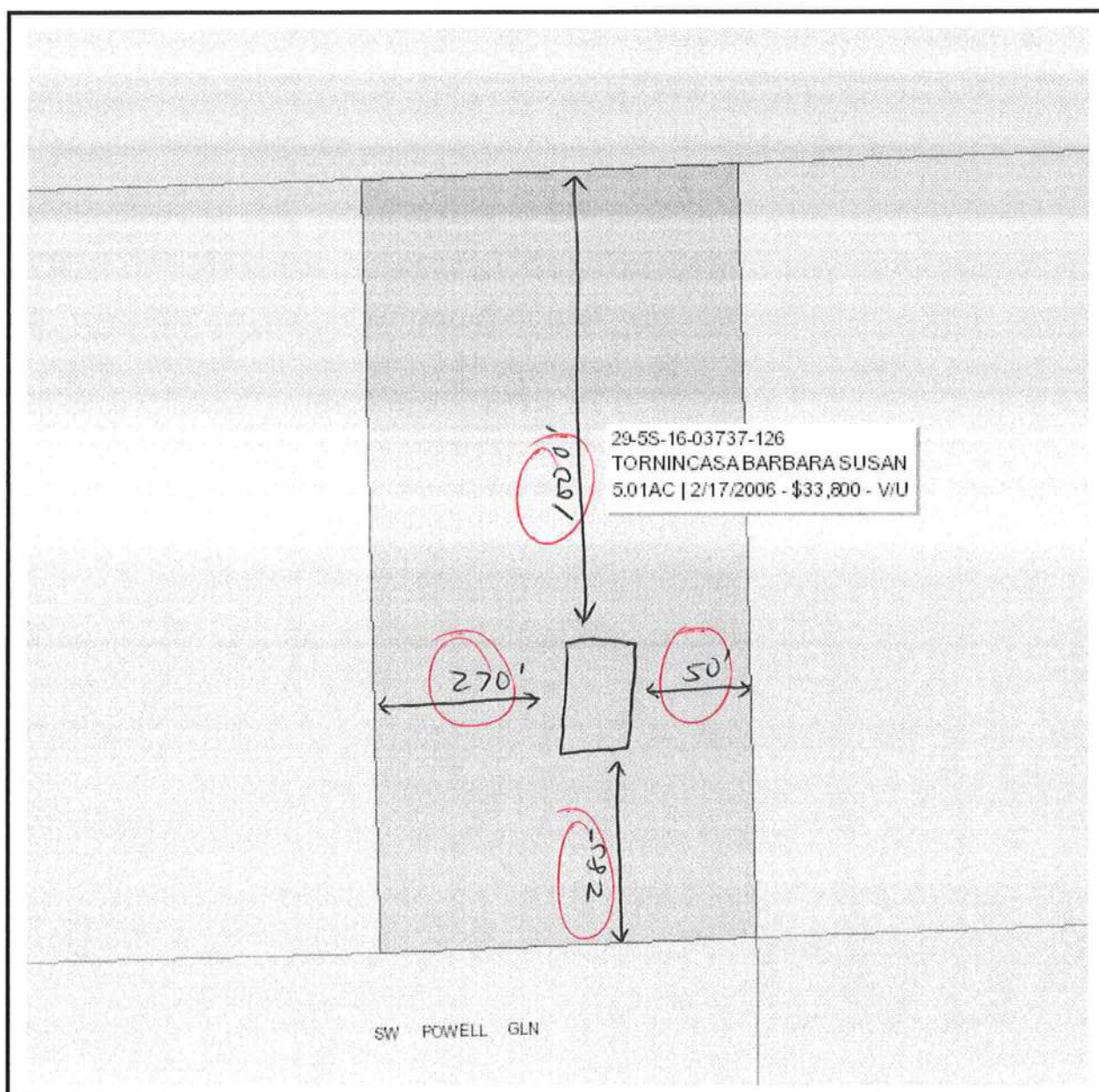
The above signer is personally known to me or produced identification C411-724-67-207-0

Notary Signature Laurie Hodson Date 1-30-08



FOR BUILDING DEPARTMENT 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 1-20-08 Building Official/Representative [Signature]



Columbia County Property Appraiser

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

PARCEL: 29-5S-16-03737-126 - NO AG ACRE (009900)

Name:	TORNINCASA BARBARA SUSAN	LandVal	\$35,270.00
Site:	TURKEY HAVEN S/D UNREC	BldgVal	\$0.00
11055 SOUTH AVE B		ApprVal	\$35,270.00
Mail:	CHICAGO, IL 606176818	JustVal	\$35,270.00
2/17/2006	\$33,800.00 V / U	Assd	\$35,270.00
Sales	3/7/2003 \$30,300.00 V / U	Exmpt	\$0.00
Info	2/13/2003 \$30,000.00 V / U	Taxable	\$35,270.00

0 60 120 180 ft



This information, GIS Map Updated: 1/15/2008, 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, its use, or its 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.

QUIT CLAIM DEED

THIS QUIT-CLAIM DEED, Executed this 16 day of February, 2006, by Roger Culpepper and his wife, Pandora Culpepper, first party, to Barbara Susan Tornincasa, second party, whose post office address is 11055 South Avenue B, Chicago, IL 60617-6818.

WITNESSETH, That the said first party, for and in consideration of the sum of \$10.00, in hand paid by the said second party, the receipt whereof is hereby acknowledged, does hereby remise, release and quit-claim unto the said second party forever, all the right, title, interest, claim and demand which the said first party has in and to the following described lot, piece or parcel of land, situate, lying and being in the County of Columbia, State of Florida, to wit:

See Exhibit "A" attached hereto and by this reference made a part thereof.

TO HAVE AND TO HOLD the same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of the said first party, either in law or equity, to the only proper use, benefit and behoof of the said second party forever.

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

Signed, sealed and delivered in presence of:

Nicole Storer
WITNESS Nicole Storer

Roger Culpepper
Roger Culpepper

Traci Landry
WITNESS Traci Landry

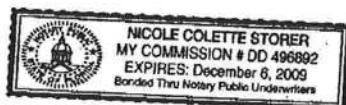
Pandora Culpepper
Pandora Culpepper

STATE OF FLORIDA
COUNTY OF COLUMBIA

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared Roger Culpepper and his wife, Pandora Culpepper, to me known to be the person(s) described in and who executed the foregoing instrument and he/she/they acknowledged before me that he/she/they executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 16 day of February, 2006.

(SEAL)



Nicole Colette Storer
NOTARY PUBLIC

My Commission Expires:

Inst:2006004227 Date:02/21/2006 Time:15:13

Doc Stamp-Deed : 0.70

J.P. DC, P. DeWitt Cason, Columbia County B:1074 P:2192

ATS #15582

"Exhibit A"

Lot # 11B Turkey Haven, an unrecorded subdivision in Section 29 & 32, Township 5 South, Range 16 East, Columbia County, Florida.

The East ½ of Lot 11; Being more particularly described as follows; Commence at the Northeast corner of the SW ¼ Section 29, Township 5 South, Range 16 East, Columbia County, Florida and run thence S 00°15'41" E, along the East line of said SW ¼, 1335.65 feet; thence S 89°01'09" W 1305.72 feet to the Point of Beginning; thence continue S 89°01'09" W 652.86 feet; thence S 00°15'41" E, 668.61 feet; thence N 89°01'09" E, 652.86 feet; thence N 00°15'41" W, 668.61 feet to the Point of Beginning. The South 30 feet of said lands being subject to an easement for ingress and egress.

Inst:2006004227 Date:02/21/2006 Time:15:13

Doc Stamp-Deed : 0.70

DC,P.DeWitt Cason,Columbia County B:1074 P:2193

D.C.
R.C.



Engineers • Planners

**161 N.W. Madison St. Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290**

February 4, 2008

Columbia County Building Dept.
Lake City, FL. 32055

RE: Culpepper Residence Permit # 0801-154

To Whom It May Concern:

The existing structure has been inspected and has numerous deficiencies according to the Florida Building Code. Engineered drawings have been provided indicating the necessary repairs to bring the structure up to code. I will perform the final inspection on the repairs to verify compliance with the plans. Once the repairs have been completed, I will notify you by certified letter. If you have any questions, please call me at (386) 758-4209.

Sincerely,

William H. Freeman, P.E.
President
Certificate of Authorization # 00008701

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Pole Barn Renovation	Builder:	TBA
Address:		Permitting Office:	Columbia County
City, State:		Permit Number:	27001
Owner:	Roger Culpepper	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr SEER: 13.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	1	c. N/A	
5. Is this a worst case?	Yes	13. Heating systems	
6. Conditioned floor area (ft²)	1242 ft²	a. Electric Heat Pump/Split	Cap: 24.0 kBtu/hr HSPF: 8.50
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT) 7a. (Dble Default)	156.4 ft²	14. Hot water systems	
b. SHGC:		a. Electric Resistance	Cap: 30.0 gallons EF: 0.93
(or Clear or Tint DEFAULT) 7b. (Clear)	156.4 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 176.0(p) ft	15. HVAC credits	
b. N/A		(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior	R=13.0, 1413.0 ft²		
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=19.0, 1242.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH(Sealed):Interior	Sup. R=6.0, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.13

Total as-built points: 13880

Total base points: 15792

PASS

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

PREPARED BY: William H. Furr

DATE: 1/17/08

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.
EnergyGauge® (Version: FLRCPB v4.5.2)

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	1242.0	18.59	4156.0	1.Double, Clear	N	1.0	0.0	30.0	19.20	0.59	341.0
				2.Double, Clear	N	1.0	0.0	8.0	19.20	0.59	91.0
				3.Double, Clear	N	1.0	0.0	8.0	19.20	0.59	91.0
				4.Double, Clear	N	1.0	0.0	2.3	19.20	0.59	25.0
				5.Double, Clear	E	1.0	0.0	45.0	42.06	0.36	675.0
				6.Double, Clear	S	1.0	0.0	30.0	35.87	0.43	464.0
				7.Double, Clear	S	1.0	0.0	8.0	35.87	0.43	123.0
				8.Double, Clear	S	1.0	0.0	10.0	35.87	0.43	154.0
				9.Double, Clear	S	1.0	0.0	7.1	35.87	0.43	110.0
				10.Double, Clear	W	1.0	0.0	8.0	38.52	0.37	115.0
				As-Built Total:		156.4			2189.0		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	13.0		1413.0	1.50		2119.5	
Exterior	1413.0	1.70	2402.1								
Base Total:				As-Built Total:		1413.0			2119.5		
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			40.0	4.10		164.0	
Exterior	120.0	6.10	732.0	2.Exterior Insulated			80.0	4.10		328.0	
Base Total:				As-Built Total:		120.0			492.0		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1242.0	1.73	2148.7	1. Under Attic	19.0		1242.0	2.34 X 1.00		2906.3	
Base Total:				As-Built Total:		1242.0			2906.3		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	176.0(p)	-37.0	-6512.0	1. Slab-On-Grade Edge Insulation	0.0		176.0(p)	-41.20		-7251.2	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		176.0			-7251.2		
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1242.0 10.21 12680.8				1242.0 10.21 12680.8							

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 15607.6				Summer As-Built Points: 13136.4						
Total Summer Points	X Multiplier	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	
15607.6	0.3250		5072.5	13136	1.00	(1.09 x 1.147 x 0.86)	0.260	1.000	3691.5	
				13136.4	1.00	1.081	0.260	1.000	3691.5	

(sys 1: Central Unit 24000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1242.0	20.17	4509.0	1.Double, Clear	N	1.0	0.0	30.0	24.58	1.03	757.0
				2.Double, Clear	N	1.0	0.0	8.0	24.58	1.03	201.0
				3.Double, Clear	N	1.0	0.0	8.0	24.58	1.03	201.0
				4.Double, Clear	N	1.0	0.0	2.3	24.58	1.03	56.0
				5.Double, Clear	E	1.0	0.0	45.0	18.79	1.51	1274.0
				6.Double, Clear	S	1.0	0.0	30.0	13.30	3.66	1460.0
				7.Double, Clear	S	1.0	0.0	8.0	13.30	3.66	389.0
				8.Double, Clear	S	1.0	0.0	10.0	13.30	3.66	486.0
				9.Double, Clear	S	1.0	0.0	7.1	13.30	3.66	346.0
				10.Double, Clear	W	1.0	0.0	8.0	20.73	1.24	205.0
				As-Built Total:				156.4	5375.0		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	13.0		1413.0	3.40		4804.2	
Exterior	1413.0	3.70	5228.1								
Base Total:				1413.0		5228.1					
				As-Built Total:		1413.0		4804.2			
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			40.0	8.40		336.0	
Exterior	120.0	12.30	1476.0	2.Exterior Insulated			80.0	8.40		672.0	
Base Total:				120.0		1476.0					
				As-Built Total:		120.0		1008.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1242.0	2.05	2546.1	1. Under Attic	19.0		1242.0	2.70 X 1.00		3353.4	
Base Total:				1242.0		2546.1					
				As-Built Total:		1242.0		3353.4			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	176.0(p)	8.9	1566.4	1. Slab-On-Grade Edge Insulation	0.0		176.0(p)	18.80		3308.8	
Raised	0.0	0.00	0.0								
Base Total:				1566.4		As-Built Total:		176.0		3308.8	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1242.0 -0.59 -732.8				1242.0 -0.59 -732.8							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		14592.8		Winter As-Built Points:			17116.6			
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	
14592.8	0.5540	8084.4		(sys 1: Electric Heat Pump 24000 btuh ,EFF(8.5) Ducts:Unc(S),Unc(R),Int(AH),R6.0 17116.6 1.000 (1.069 x 1.169 x 0.88) 0.401 1.000 7581.4						
				17116.6	1.00	1.104	0.401	1.000	7581.4	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank X	Multiplier X Credit = Total
Number of	X	Multiplier	= Total	Volume		Bedrooms		Ratio	Multiplier
Bedrooms									
1		2635.00	2635.0	30.0	0.93	1		1.00	2606.67 1.00 2606.7
				As-Built Total:					2606.7

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Hot Water	=	Total	
Points		Points		Points		Points	
5072		8084		2635		15792	
				3692		7581	
				2607		13880	

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 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* = 86.6

The higher the score, the more efficient the home.

Roger Culpepper, , , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 24.0 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)	1242 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump/Split	Cap: 24.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 156.4 ft ²	___		HSPF: 8.50
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 156.4 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 176.0(p) ft	___	a. Electric Resistance	Cap: 30.0 gallons
b. N/A	___	___		EF: 0.93
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Exterior	R=13.0, 1413.0 ft ²	___	(HR-Heat recovery, Solar	___
b. N/A	___	___	DHP-Dedicated heat pump)	___
c. N/A	___	___	15. HVAC credits	___
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=19.0, 1242.0 ft ²	___	MZ-C-Multizone cooling,	___
b. N/A	___	___	MZ-H-Multizone heating)	___
c. N/A	___	___		___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH(Sealed):Interior	Sup. R=6.0, 50.0 ft	___		___
b. N/A	___	___		___

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

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)

BUILDING INPUT SUMMARY REPORT

PROJECT	Title: Pole Barn Renovation		Family Type: Single		Address Type: Street Address	
	Owner: Roger Culpepper		New/Existing: New		Lot #: N/A	
FLOORS	# of Units: 1		Bedrooms: 1		Subdivision: N/A	
	Builder Name: TBA		Conditioned Area: 1242		Platbook: N/A	
	Climate: North		Total Stories: 1		Street: (blank)	
	Permit Office: Columbia County		Worst Case: Yes		County: (blank)	
	Jurisdiction #: (blank)		Rotate Angle: 0		City, St, Zip: , ,	
CEILINGS	#	Floor Type	R-Val	Area/Perimeter	Units	
	1	Slab-On-Grade Edge Insulation	0.0	176.0(p) ft	1	
WALLS	#	Door Type	Orientation	Area	Units	
	1	Insulated	Exterior	20.0 ft²	2	
DOORS	2	Insulated	Exterior	40.0 ft²	2	
COOLING	#	Ceiling Type	R-Val	Area	Base Area	Units
	1	Under Attic	19.0	1242.0 ft²	1242.0 ft²	1
HEATING	#	System Type	Efficiency	Capacity		
	1	Central Unit	SEER: 13.00	24.0 kBtu/hr		
DUCTS	#	System Type	Efficiency	Capacity		
	1	Electric Heat Pump/Split	HSPF: 8.50	24.0 kBtu/hr		
WATER	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length
	1	Uncond.	Uncond.	Interior	6.0	50.0 ft
REFR.	#	System Type	EF	Cap.	Conservation Type	Con. EF
	1	Electric Resistance	0.93	30.0	None	0.00
MISC	#	Use Default?	Annual Operating Cost	Electric Rate		
	1	Yes	N/A	N/A		
Rater Name: CodeOnlyPro Class #: 3 Pool Size: 0 Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric Area Under Incandescent: 1242.0 Leak Free Duct System Proposed: No Stove Type: Electric NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:						

Residential System Sizing Calculation

Summary

Roger Culpepper

Project Title:
Pole Barn Renovation

Code Only
Professional Version
Climate: North

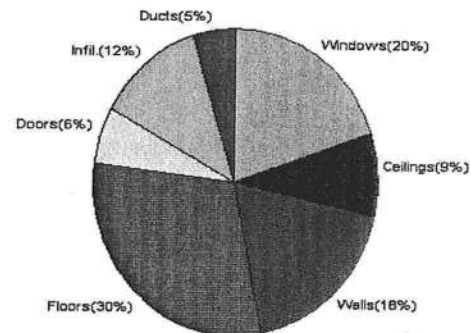
1/17/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	25440 Btuh	Total cooling load calculation	20646 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	94.3 24000	Sensible (SHR = 0.75)	99.8 18000
Heat Pump + Auxiliary(0.0kW)	94.3 24000	Latent	229.1 6000
		Total (Electric Heat Pump)	116.2 24000

WINTER CALCULATIONS

Winter Heating Load (for 1242 sqft)

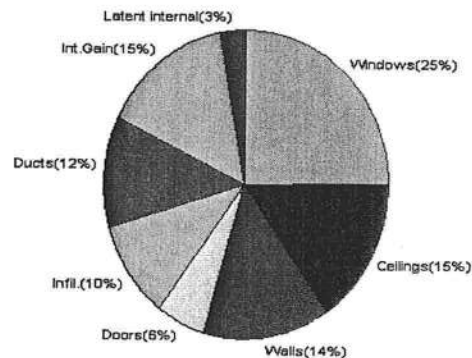
Load component		Load	
Window total	156 sqft	5033	Btuh
Wall total	1413 sqft	4640	Btuh
Door total	120 sqft	1554	Btuh
Ceiling total	1242 sqft	2253	Btuh
Floor total	176 sqft	7684	Btuh
Infiltration	75 cfm	3019	Btuh
Duct loss		1257	Btuh
Subtotal		25440	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		25440	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1242 sqft)

Load component		Load	
Window total	156 sqft	5134	Btuh
Wall total	1413 sqft	2947	Btuh
Door total	120 sqft	1176	Btuh
Ceiling total	1242 sqft	3166	Btuh
Floor total		0	Btuh
Infiltration	38 cfm	709	Btuh
Internal gain		3090	Btuh
Duct gain		1806	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		18028	Btuh
Latent gain(ducts)		626	Btuh
Latent gain(infiltration)		1392	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		600	Btuh
Total latent gain		2618	Btuh
TOTAL HEAT GAIN		20646	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *Walter H. Furr*

DATE: *1/17/08*

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Roger Culpepper

Project Title:
Pole Barn Renovation

Code Only
Professional Version
Climate: North

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

1/17/2008

This calculation is for Worst Case. The house has been rotated 225 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	SW	30.0		32.2	966 Btuh
2	2, Clear, Metal, 0.87	SW	8.0		32.2	258 Btuh
3	2, Clear, Metal, 0.87	SW	8.0		32.2	258 Btuh
4	2, Clear, Metal, 0.87	SW	2.3		32.2	72 Btuh
5	2, Clear, Metal, 0.87	NW	45.0		32.2	1449 Btuh
6	2, Clear, Metal, 0.87	NE	30.0		32.2	966 Btuh
7	2, Clear, Metal, 0.87	NE	8.0		32.2	258 Btuh
8	2, Clear, Metal, 0.87	NE	10.0		32.2	322 Btuh
9	2, Clear, Metal, 0.87	NE	7.1		32.2	229 Btuh
10	2, Clear, Metal, 0.87	SE	8.0		32.2	258 Btuh
Window Total			156(sqft)			5033 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1413		3.3	4640 Btuh
Wall Total			1413			4640 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		40		12.9	518 Btuh
2	Insulated - Exterior		80		12.9	1036 Btuh
Door Total			120			1554Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	19.0	1242		1.8	2253 Btuh
Ceiling Total			1242			2253Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	176.0 ft(p)		43.7	7684 Btuh
Floor Total			176			7684 Btuh
Envelope Subtotal:						21164 Btuh
Infiltration	Type	ACH	X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.45		9936	1413	74.5
						3019 Btuh
Ductload	(DLM of 0.052)					1257 Btuh
All Zones	Sensible Subtotal All Zones					25440 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Roger Culpepper

Project Title:
Pole Barn Renovation

Code Only
Professional Version
Climate: North

1/17/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	25440 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	25440 Btuh

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	24000 Btuh
-----------------------------	----------------------	------------

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



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Roger Culpepper

Project Title:
Pole Barn Renovation

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 225 degrees.

1/17/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	SW	30.0		32.2	966 Btuh
2	2, Clear, Metal, 0.87	SW	8.0		32.2	258 Btuh
3	2, Clear, Metal, 0.87	SW	8.0		32.2	258 Btuh
4	2, Clear, Metal, 0.87	SW	2.3		32.2	72 Btuh
5	2, Clear, Metal, 0.87	NW	45.0		32.2	1449 Btuh
6	2, Clear, Metal, 0.87	NE	30.0		32.2	966 Btuh
7	2, Clear, Metal, 0.87	NE	8.0		32.2	258 Btuh
8	2, Clear, Metal, 0.87	NE	10.0		32.2	322 Btuh
9	2, Clear, Metal, 0.87	NE	7.1		32.2	229 Btuh
10	2, Clear, Metal, 0.87	SE	8.0		32.2	258 Btuh
Window Total			156(sqft)			5033 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1413		3.3	4640 Btuh
Wall Total			1413			4640 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		40		12.9	518 Btuh
2	Insulated - Exterior		80		12.9	1036 Btuh
Door Total			120			1554 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	19.0	1242		1.8	2253 Btuh
Ceiling Total			1242			2253 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	176.0 ft(p)		43.7	7684 Btuh
Floor Total			176			7684 Btuh
Zone Envelope Subtotal:						21164 Btuh
Infiltration	Type	ACH	X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.45		9936	1413	74.5
						3019 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.052)					1257 Btuh
Zone #1	Sensible Zone Subtotal					25440 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Roger Culpepper

Project Title:
Pole Barn Renovation

Code Only
Professional Version
Climate: North

1/17/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	25440 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	25440 Btuh

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	24000 Btuh
-----------------------------	----------------------	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Roger Culpepper

Project Title:
Pole Barn Renovation

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 225 degrees.

1/17/2008

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, B-D, N,F	SW	1ft.	0ft.	30.0	30.0	0.0	19	43	560 Btuh	
2	2, Clear, 0.87, B-D, N,F	SW	1ft.	0ft.	8.0	8.0	0.0	19	43	149 Btuh	
3	2, Clear, 0.87, B-D, N,F	SW	1ft.	0ft.	8.0	8.0	0.0	19	43	149 Btuh	
4	2, Clear, 0.87, B-D, N,F	SW	1ft.	0ft.	2.3	2.3	0.0	19	43	42 Btuh	
5	2, Clear, 0.87, B-D, N,F	NW	1ft.	0ft.	45.0	0.0	45.0	19	41	1836 Btuh	
6	2, Clear, 0.87, B-D, N,F	NE	1ft.	0ft.	30.0	0.0	30.0	19	41	1224 Btuh	
7	2, Clear, 0.87, B-D, N,F	NE	1ft.	0ft.	8.0	0.0	8.0	19	41	326 Btuh	
8	2, Clear, 0.87, B-D, N,F	NE	1ft.	0ft.	10.0	0.0	10.0	19	41	408 Btuh	
9	2, Clear, 0.87, B-D, N,F	NE	1ft.	0ft.	7.1	0.0	7.1	19	41	290 Btuh	
10	2, Clear, 0.87, B-D, N,F	SE	1ft.	0ft.	8.0	8.0	0.0	19	43	149 Btuh	
Window Total					156 (sqft)					5134 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1413.0			2.1		2947 Btuh	
Wall Total					1413 (sqft)					2947 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				40.0			9.8		392 Btuh	
2	Insulated - Exterior				80.0			9.8		784 Btuh	
Door Total					120 (sqft)					1176 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	19.0			1242.0			2.5		3166 Btuh	
Ceiling Total					1242 (sqft)					3166 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			176 (ft(p))			0.0		0 Btuh	
Floor Total					176.0 (sqft)					0 Btuh	
Envelope Subtotal:										12423 Btuh	
Infiltration	Type	ACH			Volume(cuft) wall area(sqft)			CFM=		Load	
SensibleNatural		0.23			9936 1413			74.5		709 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
		3			X 230 +			2400		3090 Btuh	
Sensible Envelope Load:										16222 Btuh	
(DGM of 0.111)										1806 Btuh	
Duct load											
Sensible Load All Zones										18028 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Roger Culpepper

Project Title:
Pole Barn Renovation

Code Only
Professional Version
Climate: North

1/17/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	16222 Btuh
	Sensible Duct Load	1806 Btuh
	Total Sensible Zone Loads	18028 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	18028 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1392 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	626 Btuh
	Latent occupant gain (3 people @ 200 Btuh per person)	600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	2618 Btuh
	TOTAL GAIN	20646 Btuh

EQUIPMENT

1. Central Unit	#	24000 Btuh
-----------------	---	------------

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

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

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Roger Culpepper

Project Title:
Pole Barn Renovation

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 225 degrees.

1/17/2008

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, B-D, N,F	SW	1ft.	0ft.	30.0	30.0	0.0	19	43	560 Btuh
2	2, Clear, 0.87, B-D, N,F	SW	1ft.	0ft.	8.0	8.0	0.0	19	43	149 Btuh
3	2, Clear, 0.87, B-D, N,F	SW	1ft.	0ft.	8.0	8.0	0.0	19	43	149 Btuh
4	2, Clear, 0.87, B-D, N,F	SW	1ft.	0ft.	2.3	2.3	0.0	19	43	42 Btuh
5	2, Clear, 0.87, B-D, N,F	NW	1ft.	0ft.	45.0	0.0	45.0	19	41	1836 Btuh
6	2, Clear, 0.87, B-D, N,F	NE	1ft.	0ft.	30.0	0.0	30.0	19	41	1224 Btuh
7	2, Clear, 0.87, B-D, N,F	NE	1ft.	0ft.	8.0	0.0	8.0	19	41	326 Btuh
8	2, Clear, 0.87, B-D, N,F	NE	1ft.	0ft.	10.0	0.0	10.0	19	41	408 Btuh
9	2, Clear, 0.87, B-D, N,F	NE	1ft.	0ft.	7.1	0.0	7.1	19	41	290 Btuh
10	2, Clear, 0.87, B-D, N,F	SE	1ft.	0ft.	8.0	8.0	0.0	19	43	149 Btuh
	Window Total				156 (sqft)					5134 Btuh
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09		1413.0			2.1		2947 Btuh	
	Wall Total				1413 (sqft)					2947 Btuh
Doors	Type				Area (sqft)		HTM		Load	
1	Insulated - Exterior				40.0		9.8		392 Btuh	
2	Insulated - Exterior				80.0		9.8		784 Btuh	
	Door Total				120 (sqft)				1176 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	19.0		1242.0			2.5		3166 Btuh	
	Ceiling Total				1242 (sqft)					3166 Btuh
Floors	Type	R-Value		Size			HTM		Load	
1	Slab On Grade	0.0		176 (ft(p))			0.0		0 Btuh	
	Floor Total				176.0 (sqft)					0 Btuh
	Zone Envelope Subtotal:									12423 Btuh
Infiltration	Type	ACH		Volume(cuft) wall area(sqft)			CFM=		Load	
	SensibleNatural	0.23		9936 1413			38.1		709 Btuh	
Internal gain		Occupants		Btuh/occupant			Appliance		Load	
		3		X 230 +			2400		3090 Btuh	
	Sensible Envelope Load:									16222 Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.111)		1806 Btuh
	Sensible Zone Load									18028 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Roger Culpepper

Project Title:
Pole Barn Renovation

Code Only
Professional Version
Climate: North

1/17/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	16222 Btuh
	Sensible Duct Load	1806 Btuh
	Total Sensible Zone Loads	18028 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	18028 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1392 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	626 Btuh
	Latent occupant gain (3 people @ 200 Btuh per person)	600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	2618 Btuh
	TOTAL GAIN	20646 Btuh

EQUIPMENT

1. Central Unit	#	24000 Btuh
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*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

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

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Roger Culpepper

Project Title:
Pole Barn Renovation

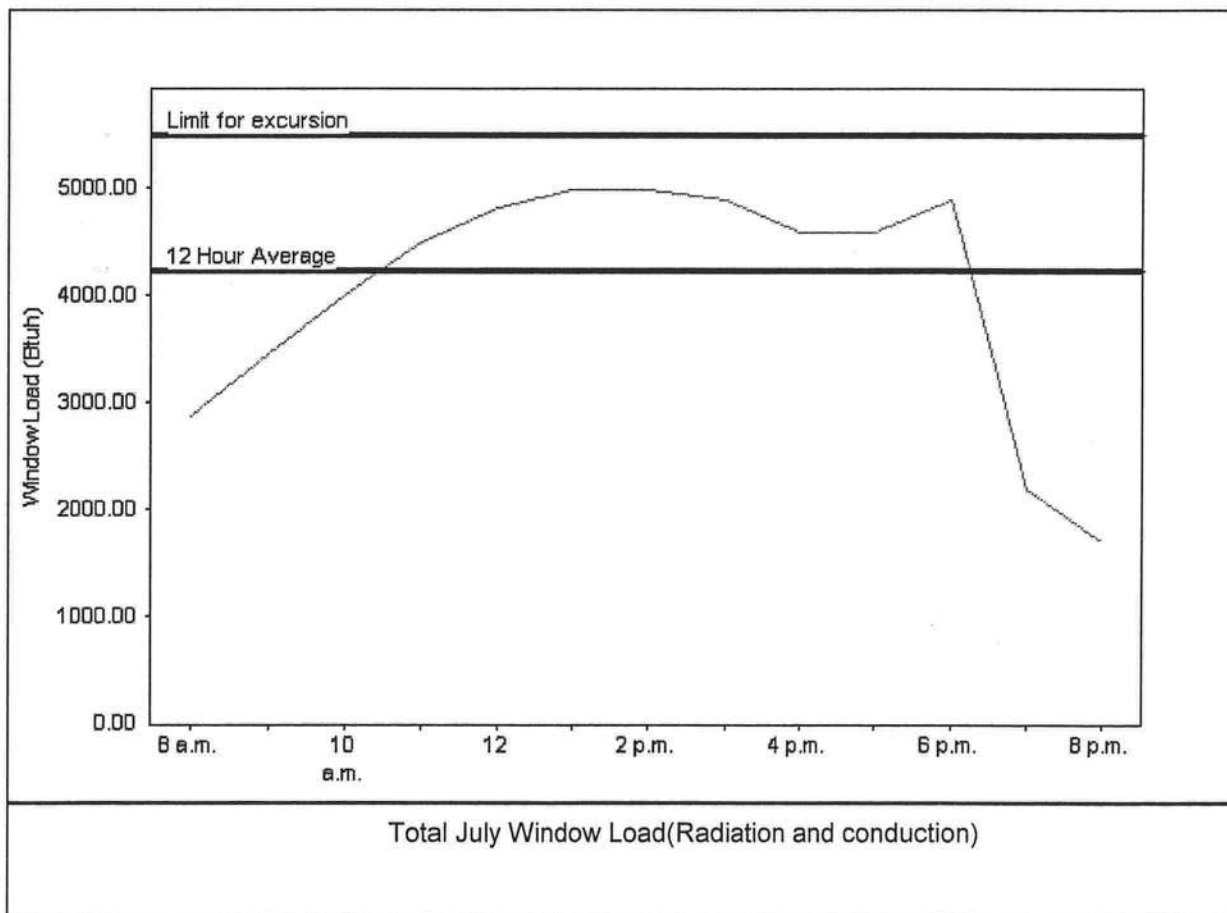
Code Only
Professional Version
Climate: North

1/17/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	4226 Btuh
Summer setpoint	75 F	Peak window load for July	4985 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	5493 Btuh
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

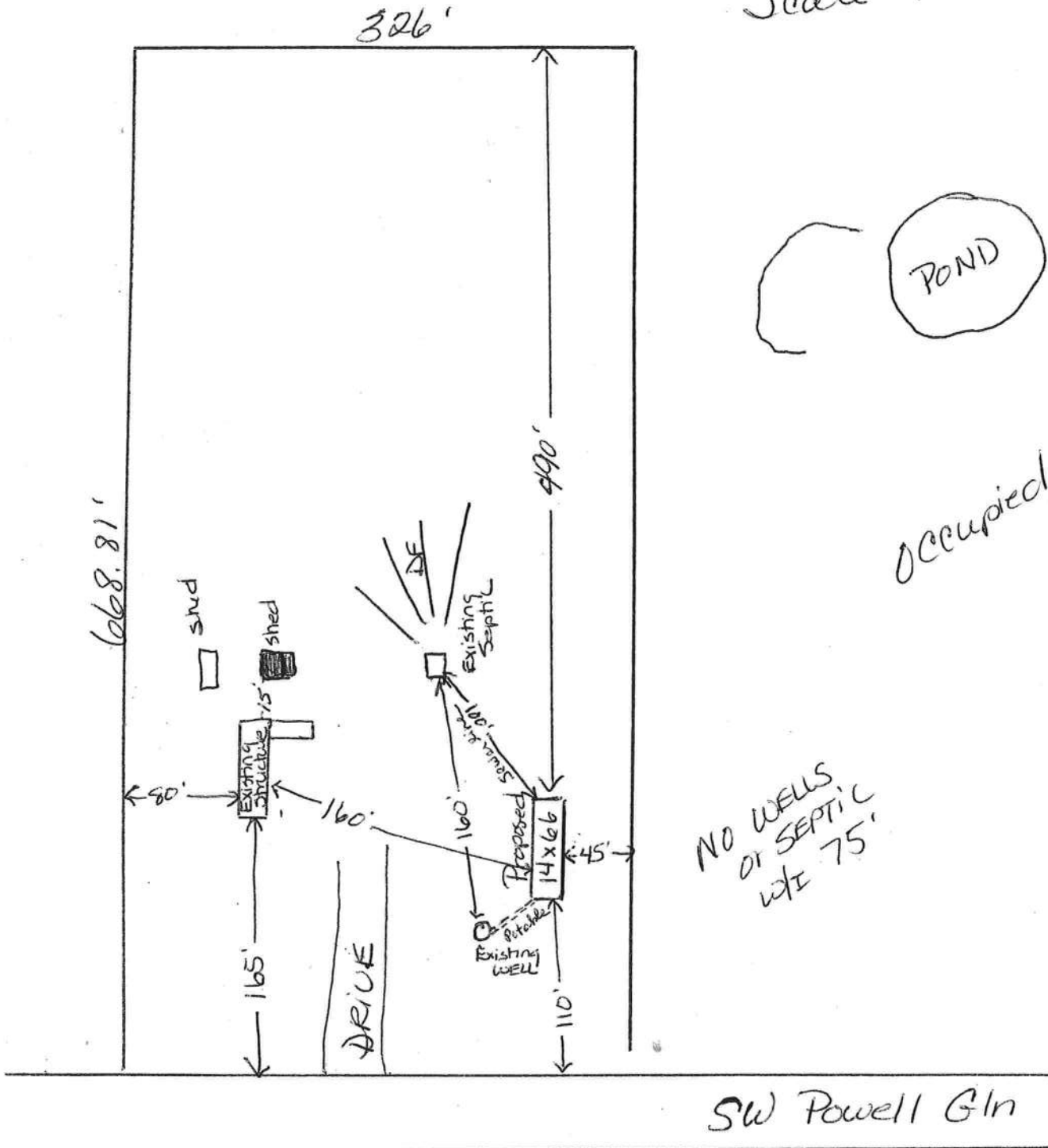
EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____



Customer: 07-1007-E
Parcel #:
Scale 1"=100'



Site Plan submitted by Wendy Shumaker Agent
By Shirley Bennett 12/26/07
APPROVED
1/3/8
Columbia CHD

The preparer of this instrument has preformed no title examination nor has the preparer issued any title insurance or furnished any opinion regarding the title, names, addresses, tax identification number and legal description furnished by parties.

✓ This instrument prepared by:
Strickland Law Firm, P.L.
Branden L. Strickland, Esq.
10680 83rd Place
Live Oak, FL 32060

Inst:200812004307 Date:3/3/2008 Time:12:12 PM
Doc Stamp-Deed:539.00 Doc Stamp-Mort:269.50 Int Tax:154.00
✓ ~~19~~ DC, P. DeWitt Cason, Columbia County Page 1 of 6

AGREEMENT FOR DEED

THIS AGREEMENT, made and entered into this 28th day of February, 2008, by and between Barbara Susan Tornincasa, whose post office address is 2627 SW State Road 247, Lake City, FL 32024, hereinafter referred to as SELLER; and Roger Culpepper and his wife, Pandora Marie Towers, whose post office address is 291 SE Powell Glen, Ft. White, FL 32038, hereinafter referred to as PURCHASER;

WITNESSETH:

That the Seller hereby reserves for the Purchaser that certain piece, parcel or tract of land located in Columbia County, Florida, more particularly described as follows:

See Exhibit "A" Attached Hereto And By This Reference Made A Part Hereof.

If the said purchaser shall first make all of the payments and perform all of the conditions hereinafter mentioned, the Seller covenants and agrees that they will then convey the above described property to the purchaser by a good and sufficient Warranty Deed, subject to zoning or other governmental regulations and subject to certain covenants, restrictions and easements of record, free and clear of all other encumbrances.

The total purchase of the property is \$77,000.00 payable in the following manner: One Hundred Ninety Two (192) consecutive monthly installments in the amount of \$736.57, at a interest rate of Eight (8.000%) with the first such monthly installment beginning on the 1st day of September, 2008, and subsequent installments shall be due and payable on the 1st day of each and every calendar month thereafter until all payments are made in full.

In the event of late payment, the Purchaser agrees to pay late charges of Five Percent (5%) of the amount of any payment(s) more than 15 days in arrears. If the purchaser fails to pay any monthly installment or perform any other obligation hereunder within (30) days after its due date, Seller shall have the right, at sellers option to foreclose or terminate this contract.

1. All payments as required shall be deposited directly into Seller's bank account located at Capital City Bank in Branford, Florida.
2. The Purchaser shall have the right to make full pre-payment of this contract at any time, without penalty. After the Purchaser has paid all principal and interest, and applicable taxes and assessments hereunder, the Seller shall deliver a Warranty Deed to the Purchaser, conveying said property free and clear of any defects or encumbrances, and transfer of mobile home titles. In the event, at the appropriate time, the Seller is for any reason unable to deliver good and sufficient title by Warranty Deed to the Purchaser, the Seller shall return to the Purchaser all monies paid pursuant to this Agreement, and thereupon the Seller shall be released from its obligations hereunder.
3. The Purchaser states that they have inspected the property prior to purchase and agree to accept the premises in its current condition, and shall make no claim in defense of their obligations under this agreement or the promissory note attached hereto based upon defects in the premises, whether blatant or obvious, nor upon any representation by the Sellers or the Sellers representatives or agents in this transaction.
4. The Purchaser is given possession of the above described property as of the date of this agreement, and purchaser agrees to pay all taxes, levies and assessments on said property after the date of this agreement, which shall include pro-rata amount of taxes due for the current year. The Seller may, at his option, pay any delinquent amounts, including the costs associated with the closing of this transaction or which may accrue after the date of this contract, and add this amount to the principal balance due hereunder, plus interest thereon at the annual percentage rate of that which is stated in the note.
5. The Purchaser will not permit, commit or suffer waste and will maintain the improvements at all times in a state of good repair and condition, and will not do or permit to be done anything to the premises that will in any way impair or weaken the security of the Seller's retained title.
6. Risk of loss by fire and other casualty is on the Purchaser, and Purchaser agrees to keep the building(s), if any, on the premises payable to the parties respectively as their interest may appear, in a sum not less than the unpaid balance due under this contract during the term of this agreement. Purchasers shall furnish evidence that said buildings are insured by furnishing copies of insurance policies or equivalent

certificates of insurance to Sellers at closing and periodically not less than thirty days prior to the expiration of each such policy. Each such policy shall name the Sellers as mortgagees and contain an express provision that said policy may not be canceled for any reason including non-payment of premium except upon fifteen days prior written note to the Sellers.

7. Purchasers shall keep the premises and every part thereon free and clear of any and all mechanics, materialmens and other liens arising out of or in connection with services performed to or upon all materials or goods delivered to the premises or any obligations of any kind incurred by Purchasers, and at all times promptly and fully pay and discharge any and all claims which lien may or could be based. Purchasers hereby indemnify Sellers against such liens and claims or liens and suits or other proceedings pursuant thereto.
8. The Purchasers shall not and will not transfer or assign this agreement or any of their interest therein without the prior written consent of the Sellers, which consent shall not be unreasonably withheld, including but not limited to, the right of first refusal to repurchase by Seller at a price and on terms not less favorable than those offered by the bona fide Purchaser to whom the Purchaser desires to transfer his interest. In the event that Seller chooses to execute his right to repurchase, this repurchase must be consummated within thirty (30) days after the date on which the Purchaser first communicates to the Seller his request for the written consent of the Seller to the proposed transfer.
9. In event of termination of this agreement by default of the Purchaser, the Purchaser shall and will execute a good and sufficient Quit claim Deed and deliver same to the Seller. If the Purchaser fails to execute and deliver said Quit Claim Deed, the Purchaser shall and will pay to the Seller all expenses including court costs, and all attorney's fees, incurred by him in any proceeding to remove this agreement from record as a cloud on his title to the property.
10. In case of the failure of the Purchaser to make any of the payments, or any part thereof, or perform any of the covenants forfeited and determined, and the Purchaser shall forfeited all payments made under this Agreement, and such payments shall be retained by the Seller in full satisfaction as liquidated damages by them sustained, and in such event the Seller shall have the right to re-enter and take possession of the premises aforesaid.
11. The Purchaser shall and will pay to the Seller all reasonable costs and expenses, including attorney's fees, incurred by the Seller in enforcing any of the covenants and provisions of this Agreement, brought by the Seller against the Purchaser because of his breach or default.
12. In the event of termination of this Agreement by default of the Purchaser, all improvements on the premises aforesaid, which may be put thereon by the Purchaser,

shall become the property of the Seller without liability or obligation on his part to account to the Purchaser therefore or for any part thereof.

13. All covenants and agreements herein contained shall extend to and be obligatory upon the successors, heirs, executors, administrators and assigns of the respective parties.
14. The words "Seller" and "Purchaser" herein employed shall be construed to include the plural as well as the singular, and the masculine shall include the feminine and neuter where the content so admits or requires.
15. The agreement and note embodies the entire agreement and understanding of the parties to the agreement and may not be changed, altered or modified except by an instrument in writing signed by the part against whom the enforcement of any change, alteration or modification is sought.
16. It is mutually agreed by and between the Parties that the time of payment shall be of the essence of this contract.

IN WITNESS WHEREOF, the parties hereto have hereunder set their hands and seals the day and year first above written.

Signed, Sealed and Delivered in
the presence of:

Cheryl Beate
WITNESS Cheryl Beate

Doris M Drake
WITNESS Doris M Drake

Barbara Susan Tornincasa
SELLER: Barbara Susan Tornincasa

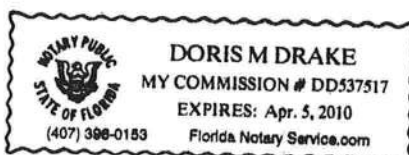
STATE OF Fla
COUNTY OF Columbia

I HEREBY CERTIFY THAT ON THIS DATE, BEFORE ME, AN OFFICER DULY AUTHORIZED IN THE STATE AND COUNTY AFORESAID TO TAKE ACKNOWLEDGEMENTS, BARBARA SUSAN TORNINCASA, PERSONALLY APPEARED, KNOWN TO ME, OR WHO PROVIDED DRIVER'S LICENSE, AS IDENTIFICATION, AND WHO EXECUTED THE FOREGOING INSTRUMENT AND WHO ACKNOWLEDGED BEFORE ME THAT THEY EXECUTED THE SAME.

WITNESS MY HAND AND SEAL IN THE COUNTY AND STATE LAST AFORESAID THIS 28th DAY OF February, 2008.

MY COMMISSION EXPIRES:

Doris M Drake
NOTARY PUBLIC



Cheryl Beatty
WITNESS Cheryl Beatty

Doris M Drake
WITNESS Doris M Drake

Roger Culpepper
BUYER: ROGER CULPEPPER

Pandora Marie Towers
BUYER: PANDORA MARIE TOWERS

STATE OF Fla
COUNTY OF Columbia

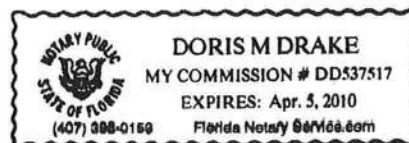
I HEREBY CERTIFY THAT ON THIS DATE, BEFORE ME, AND OFFICER DULY AUTHORIZED IN THE STATE AND COUNTY AFORESAID TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED ROGER CULPEPPER AND HIS WIFE, PANDORA MARIE TOWERS, PERSONALLY KNOWN TO ME OR WHO PROVIDED DRIVER'S LICENSE, AS IDENTIFICATION, AND WHO EXECUTED THE FOREGOING INSTRUMENT AND WHO ACKNOWLEDGED BEFORE ME THAT HE EXECUTED THE SAME.

WITNESS MY HAND AND SEAL IN THE COUNTY AND STATE, LAST AFORESAID THIS 28th OF February, 2008.

MY COMMISSION EXPIRES:

[Signature]
NOTARY PUBLIC

NOTARY STAMP/SEAL



"Exhibit A"

Lot # 11B Turkey Haven, an unrecorded subdivision in Section 29 & 32, Township 5 South, Range 16 East, Columbia County, Florida.

The East $\frac{1}{2}$ of Lot 11; Being more particularly described as follows; Commence at the Northeast corner of the SW $\frac{1}{4}$ Section 29, Township 5 South, Range 16 East, Columbia County, Florida and run thence S $00^{\circ}15'41''$ E, along the East line of said SW $\frac{1}{4}$, 1335.65 feet; thence S $89^{\circ}01'09''$ W 1305.72 feet to the Point of Beginning; thence continue S $89^{\circ}01'09''$ W 652.86 feet; thence S $00^{\circ}15'41''$ E, 668.61 feet; thence N $89^{\circ}01'09''$ E, 652.86 feet; thence N $00^{\circ}15'41''$ W, 668.61 feet to the Point of Beginning. The South 30 feet of said lands being subject to an easement for ingress and egress.

Personal Property: A 4 inch well, 42 gallon tank, $\frac{1}{2}$ horsepower pump and 900 gallon septic tank and power pole and including a structure with no county building permit.



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)

Therma-Tru Corporation
108 Mutzfeld Rd.
Butler, IN 46721

SCOPE:

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

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

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

DESCRIPTION: Premium Series 6'8 Opaque Steel Door w & wo sidelites (OS)

APPROVAL DOCUMENT: Drawing No. S-2149, titled "Premium Series" 6-8 Single & Double Out-swing Steel Door", sheets 1 through 8, prepared by RW Building Consultants, Inc., dated 3/28/02, 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: Large and Small Missile Impact and Non-Impact

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.

The submitted documentation was reviewed by **Raul Rodriguez**



NOA No 01-0828.08
Expiration Date: June 20, 2007
Approval Date: June 20, 2002
Page 1

THERMA-TRU®

"PREMIUM SERIES" OUTSWING 6-8 SINGLE AND DOUBLE
W/ & W/OUT SIDELITES. INSULATED STEEL DOOR WITH WOOD FRAMES.

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
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. DESIGNED PRESSURE RATING SEE TABLE PAGE 1.
5. MIAMI-DADE APPROVED IMPACT RESISTANT SHUTTERS ARE REQUIRED FOR SIDELITES ONLY.
6. SIDELITES ARE AN OPTION AND CAN BE USED IN A SINGLE OR DOUBLE CONFIGURATION.
7. LOW PROFILE OUTSWING BUMP THRESHOLD RATED FOR +55.0 PSF & -55.0 PSF ON WATER FOR SINGLE/UNIT.

INSULATED STEEL DOOR

(Common to all frame conditions)

Door & Sidelite Panel Construction:

Face sheets: 24 GA. (0.022") minimum thickness,
Galvanized steel A-525 commercial quality - AKDQ
per ASTM 620 with yield strength $F_y(\text{min.}) = 38,438 \text{ psi}$
Core design: Polyurethane foam core,
with 1.9 lbs. density by BASF.

Door Panel Construction: Flush or embossed type. The vertical edges of the skin, rolled formed to provide a mechanical interlock with finger joined pine stiles. Wood end rails are butt jointed and pressure fitted with contact cement to the wood stiles at the corners.

Sidelite Panel Construction and Glazing: The vertical edges of the skin are rolled formed to provide a mechanical interlock with finger joined pine stiles. Wood end rails are butt jointed to the wood stiles at the corners. The sidelite panels are sandwich glazed using a two piece lite frame.

Frame Construction: The frame is constructed from finger joined Ponderosa Pine measuring 4.656" wide x 1.25" thick. The header is joined to the side jambs with (3) 16ga. 1/2" crown x 2" long staples at each side. The threshold is joined to the side jambs with (2) 16ga. 1/2" crown x 2.5" long staples at each side. The mullions are secured together in a sidelite application using #8 x 2 1/2" long PFH Wood Screws (6) screws per each mullion. The unit uses an Outswing Bump/Place threshold, either Low Profile or High Water Dam.

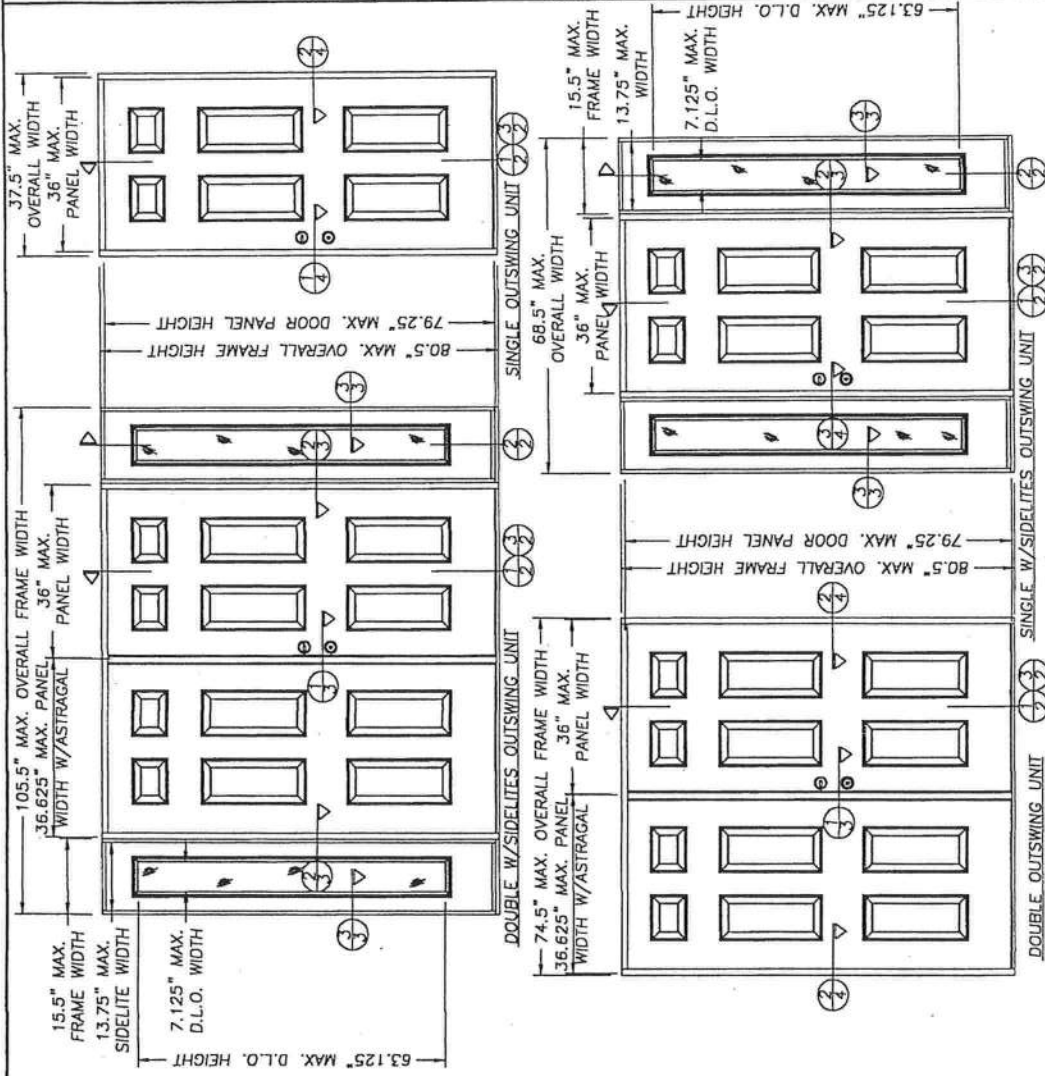
TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	VERTICAL CROSS SECTIONS
3	HORIZONTAL CROSS SECTIONS
4	HORIZONTAL CROSS SECTIONS & NOTES
5	ANCHORING LOCATIONS & DETAILS
6	ANCHORING LOCATIONS & GLAZING DETAILS
7	UNIT COMPONENTS
8	BILL OF MATERIALS & UNIT COMPONENTS

DESIGN PRESSURE RATING

UNIT TYPE	W/LOW PROFILE BUMP THRESHOLD	W/HIGH DAW BUMP THRESHOLD
SINGLE	+ 55.0 PSF - 67.0 PSF	+ 75.0 PSF - 75.0 PSF
DOUBLE	NOT APPROVED FOR WATER	+ 65.0 PSF - 65.0 PSF
SINGLE W/SIDELITES	+ 55.0 PSF - 67.0 PSF	+ 65.0 PSF - 65.0 PSF
DOUBLE W/SIDELITES	NOT APPROVED FOR WATER	+ 65.0 PSF - 65.0 PSF

Approved as complying with the
Florida Building Code
Date: July 20, 2012
NO. 01-0328-03
Miami Dade Product Control
Division
By: *[Signature]*



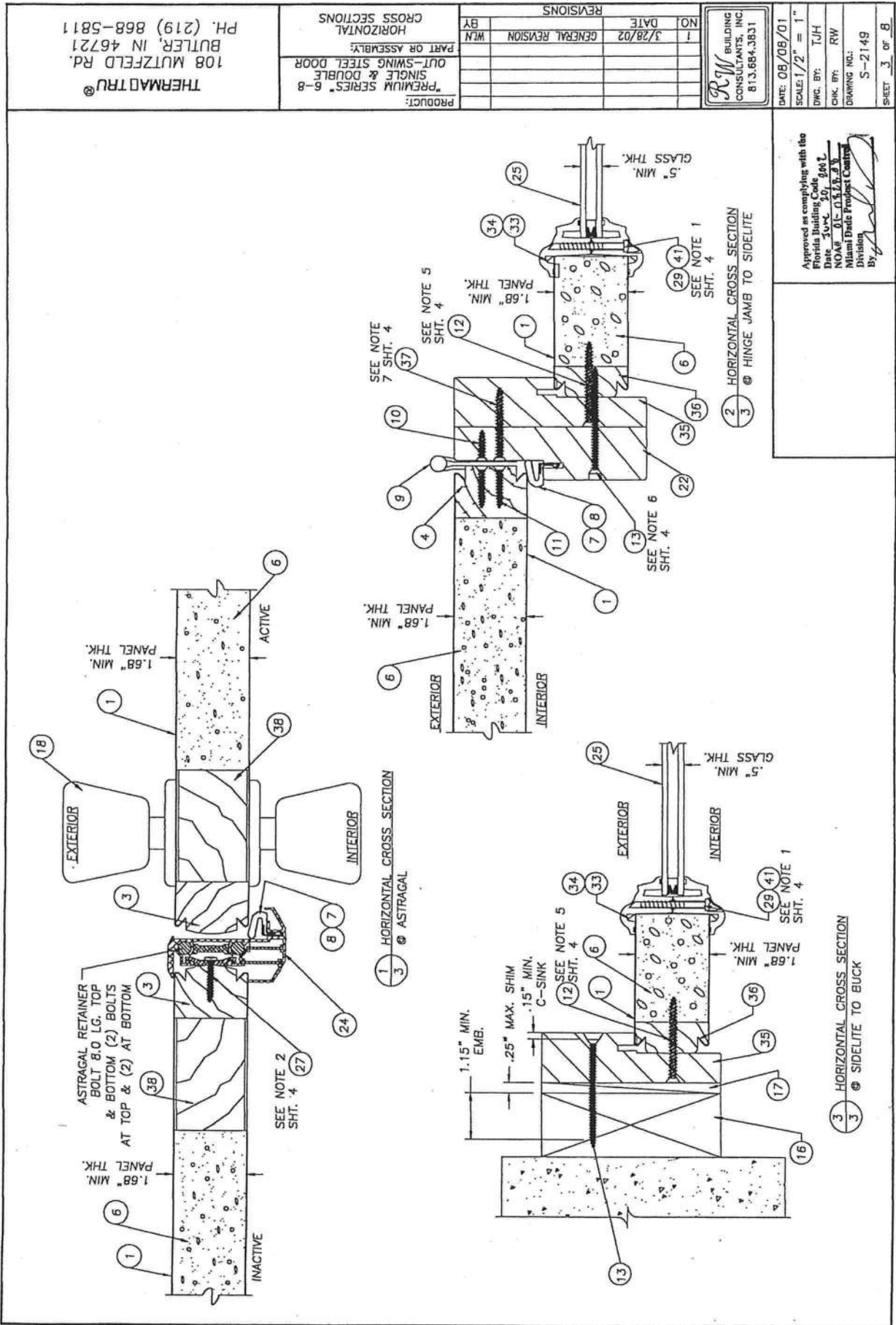
PRODUCT:
"PREMIUM SERIES" 6-8
SINGLE & DOUBLE
OUT-SWING STEEL DOOR
PART OR ASSEMBLY:
& GENERAL NOTES

NO.	DATE	GENERAL REVISION	BY
1	3/28/02		W.N.

BW BUILDING
CONSULTANTS, INC.
813.684.3831

DATE: 08/08/01
SCALE: N.T.S.
DWC BY: TJH
CHK BY: RW
DRAWING NO.:
S-2149
SHEET 1 OF 8

THERMA-TRU®
108 MUTZFELD RD.
BUTLER, IN 46721
PH. (219) 868-5811



DATE: 08/08/01
SCALE: 1/2" = 1"

DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 3 OF 8

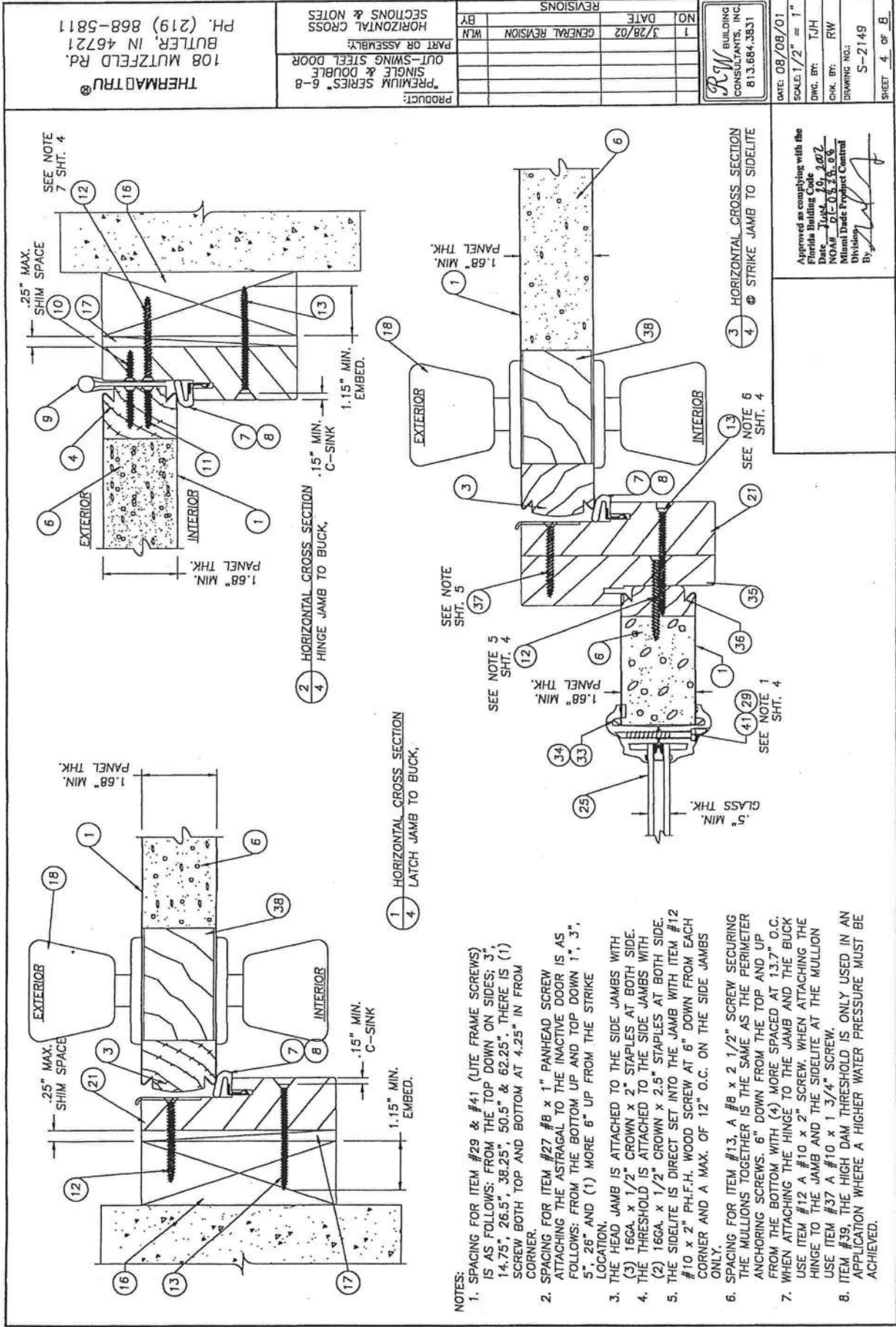
APPROVED AS COMPLYING WITH THE
Florida Building Code
FBC 2001, 2003, 2004
NOA 01-03.1.1.1
Miami Dade Product Control
By: [Signature]

REVISIONS

NO.	DATE	GENERAL REVISION	BY
1	3/28/02		

PRODUCT: "PREMIUM SERIES" 6-8
PART OR ASSEMBLY: OUT-SWING STEEL DOOR
HORIZONTAL CROSS SECTIONS

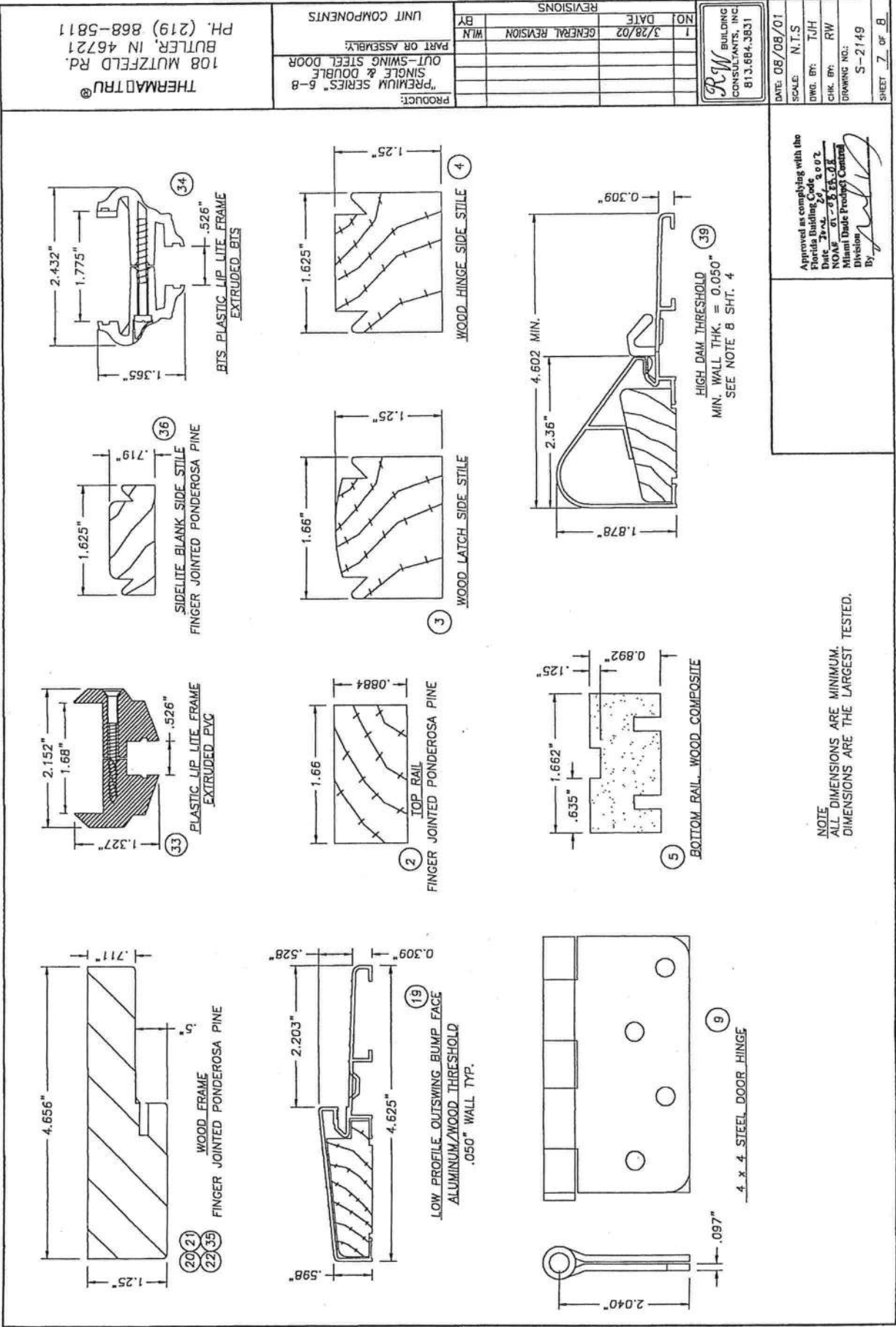
THERMADOR®
108 MUTZFELD RD.
BUTLER, IN 46721
PH. (219) 868-5811



THERMADUR® 108 MUTZFELD RD. BUTLER, IN 46721 PH. (219) 868-5811		PRODUCT: "PREMIUM SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & NOTES	
NO.	DATE	GENERAL REVISION	BY
1	3/28/02		WLN
REVISIONS BUILDING CONSULTANTS, INC. 813.664.3831			
DATE: 08/08/01 SCALE: 1/2" = 1" DWG. BY: TJH CHK. BY: RW DRAWING NO.: S-2149 SHEET 4 OF 8			

Approved as complying with the
 Florida Building Code
 Date: 7/14/02
 NOM: 01-03-08-08
 Minimal Date Product Control
 Division
 By: *[Signature]*

DATE: 08/08/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 6 OF 8



NOTE
ALL DIMENSIONS ARE MINIMUM.
DIMENSIONS ARE THE LARGEST TESTED.

Approved as complying with the
Florida Building Code
Date: 7/1/02
By: [Signature]
Division
S-2149

DATE: 08/08/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 7 OF 8

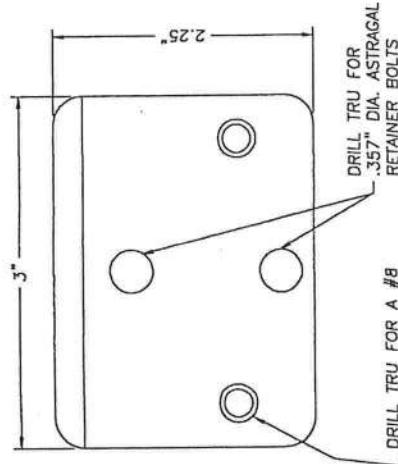
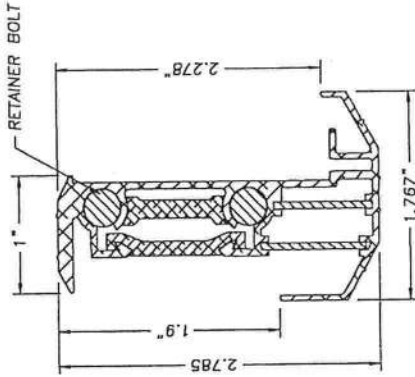
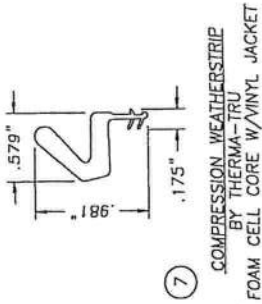
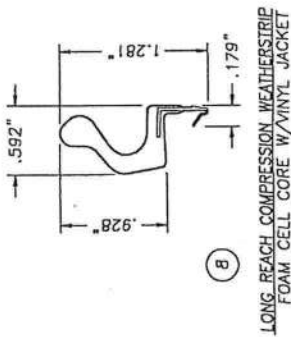
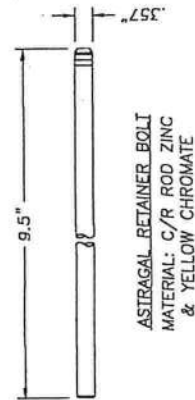
HIGH DAM THRESHOLD
MIN. WALL THK. = 0.050"
SEE NOTE B SHT. 4

4 x 4 STEEL DOOR HINGE

REVISIONS	
NO.	DATE
1	3/28/02
GENERAL REVISION	
BY	WLN
UNIT COMPONENTS	
PART OR ASSEMBLY:	
"PREMIUM SERIES" 6-8	
SINGLE & DOUBLE	
OUT-SWING STEEL DOOR	
PRODUCT:	

THERMADOR®
108 MUTZFELD RD.
BUTLER, IN 46721
PH. (219) 868-5811

Item	DESCRIPTION	MATERIAL
1	DOOR SKIN, PREMIUM SERIES 24GA. (.022" MIN.)	STEEL
2	TOP RAIL (1.628" x .851" THERMA-TRU PONDEROSA PINE)	WOOD
3	LATCH STILE (THERMA-TRU PONDEROSA PINE 1.65" x 1.253")	WOOD
4	HINGE STILE (THERMA-TRU PONDEROSA PINE 1.625" x 1.25")	WOOD
5	BOTTOM RAIL (1.662" x .892" THERMA-TRU WOOD COMPOSITE)	WOOD COMPOSITE
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)	FOAM
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)	FOAM
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)	FOAM
9	4" x 4" HINGE .092" THK. (THERMA-TRU)	STEEL
10	#10 x 3/4" LG. PFH WOOD SCREW (Hinge to Frame)	STEEL
11	#10 x 1" LG. PFH WOOD SCREW	STEEL
12	#10 x 2" LG. PFH WOOD SCREW	STEEL
13	#8 x 2 1/2" LG. PFH WOOD SCREW	STEEL
14	3/16" TAPCON ANCHOR (ELCO, 1.75" MIN. LG.)	STEEL
15	NOTE USED	
16	2x WOOD BUCK	WOOD
17	MAX. 1/4" SHIM MATERIAL	WOOD
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK	ALUM./WOOD
19	ONE PRCE BUMP FACE THRESHOLD LOW PROFILE (THERMA-TRU)	WOOD
20	4.656" HEADER (THERMA-TRU, PONDEROSA PINE)	WOOD
21	4.656" STRIKE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
22	4.656" HINGE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
23	KWIKSET TITAN 700 SERIES DEADBOLT	ALUM.
24	ASTRAGAL WINDJAMBER II WR68T (.052" WALL)	GLASS
25	GLAZING, 1/2" INSULATED TEMPERED GLASS	WOOD
26	3/4" THK. PRESSURE TREATED SIDELITE PAD	STEEL
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW	STEEL
28	NOT USED	
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM #33)	STEEL
30	NOT USED	
31	3/16" TAPCON ANCHOR (ELCO, 3.25" MIN. LG.)	STEEL
32	1/8" THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	PVC
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)	BTS
34	4.656" BLANK JAMB (BTS, THERMA-TRU)	WOOD
35	SIDEITE SIDE STILE (THERMA-TRU, 1.625" x .718" PONDEROSA PINE)	WOOD
36	LOCK BLOCK 2.625" x 10.375" x 1.625" THK.	WOOD
37	#10 x 1 3/4" LG. PFH WOOD SCREW	WOOD
38	LOCK BLOCK 2.625" x 10.375" x 1.625" THK.	WOOD
39	HIGH WATER DAM THRESHOLD (THERMA-TRU)	ALUM.
40	SILICONE CAULK	SILICONE
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34)	STEEL
42	#10 x 3" LG. PFH WOOD SCREW	STEEL



(24)
WINDJAMBER II WR68T
ASTRAGAL (ALUMINUM .052" WALL TYP.)

THERMA-TRU®
108 MUTZFELD RD.
BUTLER, IN 46721
PH. (219) 868-5811

PRODUCT:
"PREMIUM SERIES" 6-8
SINGLE & DOUBLE
OUT-SWING STEEL DOOR
PART OR ASSEMBLY:
BILL OF MATERIALS &
UNIT COMPONENTS

NO.	DATE	REVISIONS
1	3/28/02	GENERAL REVISION

BUILDING
CONSULTANTS, INC.
813.884.3831

DATE: 08/08/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 8 OF 8

Approved as complying with the
Florida Building Code
Date: 08/08/01
By: [Signature]
NOAH
Miami Date Product Control



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.**



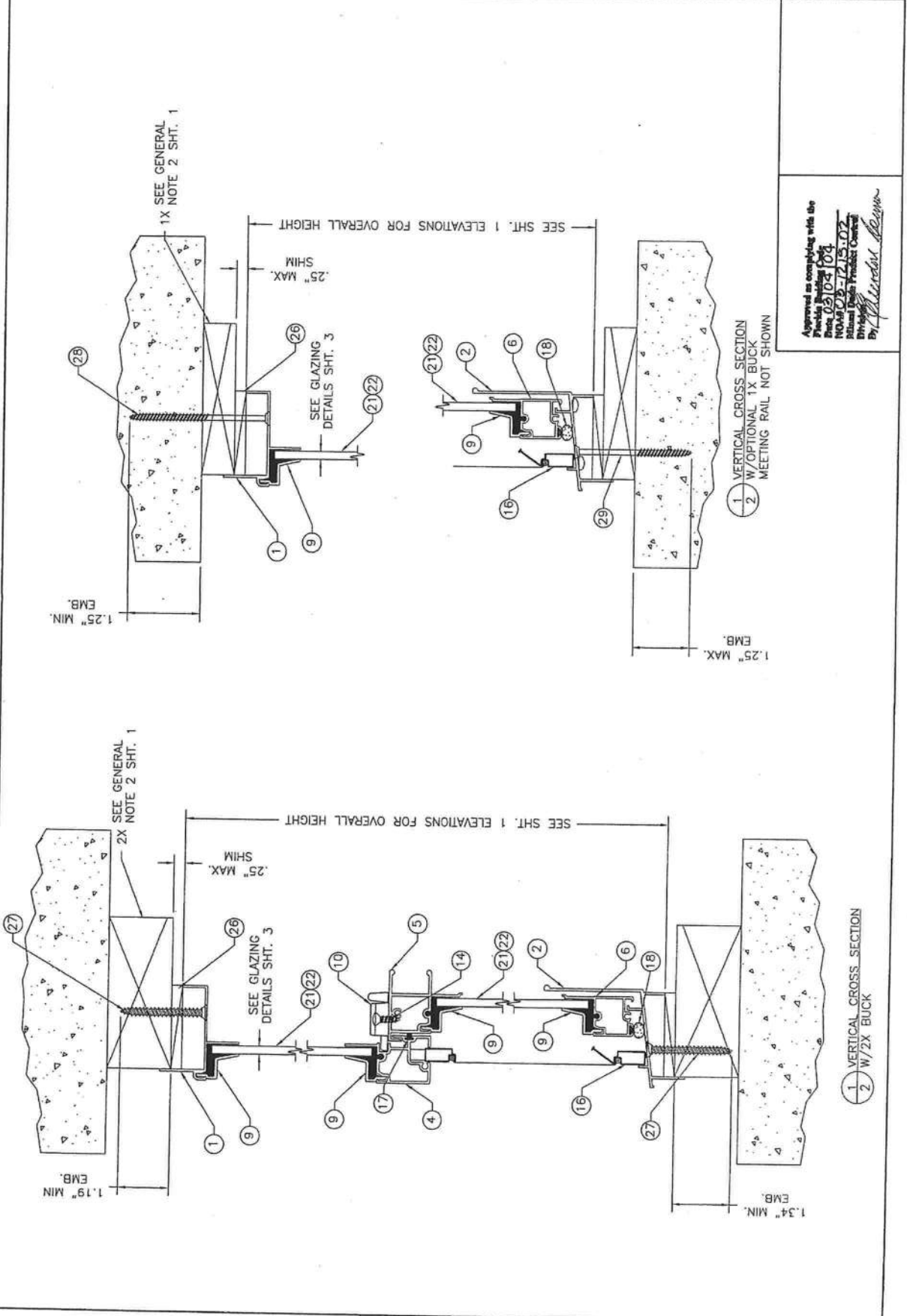
NOA No 03-1215.02
Expiration Date: March 04, 2009
Approval Date: March 04, 2004
Page 1

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 White, IL 35955
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9815
 2/10/04
 Wendell H. Hoot, P.E. No. 54158

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

REVISIONS	
NO.	DATE
1	01/04
2	10/04
3	10/04
4	10/04
5	10/04
6	10/04
7	10/04
8	10/04
9	10/04
10	10/04
11	10/04
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98	10/04
99	10/04
100	10/04

DATE: 10/27/03
 SCALE: N.T.S.
 DWG. BY: T.J.H.
 CHK. BY: RW
 DRAWING NO.: S-2422
 SHEET 2 OF 5



Approved as complying with the
 Florida Building Code
 Date 03/04/04
 NO. 03-12-13.02
 Refused to sign Product Code
 By: [Signature]
 S-2422

PRODUCT: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & ORFAL PART OR ASSEMBLY		REVISIONS NO. DATE 1 01/04 2 2/10/04 3 08/04/04 4 08/04/04 5 08/04/04 6 08/04/04 7 08/04/04 8 08/04/04 9 08/04/04 10 08/04/04 11 08/04/04 12 08/04/04 13 08/04/04 14 08/04/04 15 08/04/04 16 08/04/04 17 08/04/04 18 08/04/04 19 08/04/04 20 08/04/04 21 08/04/04 22 08/04/04 23 08/04/04 24 08/04/04 25 08/04/04 26 08/04/04 27 08/04/04 28 08/04/04 29 08/04/04 30 08/04/04 31 08/04/04 32 08/04/04 33 08/04/04 34 08/04/04 35 08/04/04 36 08/04/04 37 08/04/04 38 08/04/04 39 08/04/04 40 08/04/04 41 08/04/04 42 08/04/04 43 08/04/04 44 08/04/04 45 08/04/04 46 08/04/04 47 08/04/04 48 08/04/04 49 08/04/04 50 08/04/04 51 08/04/04 52 08/04/04 53 08/04/04 54 08/04/04 55 08/04/04 56 08/04/04 57 08/04/04 58 08/04/04 59 08/04/04 60 08/04/04 61 08/04/04 62 08/04/04 63 08/04/04 64 08/04/04 65 08/04/04 66 08/04/04 67 08/04/04 68 08/04/04 69 08/04/04 70 08/04/04 71 08/04/04 72 08/04/04 73 08/04/04 74 08/04/04 75 08/04/04 76 08/04/04 77 08/04/04 78 08/04/04 79 08/04/04 80 08/04/04 81 08/04/04 82 08/04/04 83 08/04/04 84 08/04/04 85 08/04/04 86 08/04/04 87 08/04/04 88 08/04/04 89 08/04/04 90 08/04/04 91 08/04/04 92 08/04/04 93 08/04/04 94 08/04/04 95 08/04/04 96 08/04/04 97 08/04/04 98 08/04/04 99 08/04/04 100 08/04/04	
HORIZONTAL CROSS SECTIONS & GLAZING DETAILS		DATE: 10/27/03 SCALE: N.T.S. DWG. BY: T.J.H. CHK. BY: RW DRAWING NO.: S-2422 SHEET 3 OF 5	

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.

APPROVED AS CONSULTING WITH THE
 Florida Building Code
 Date 08/04/04
 NOAR 08-125-02
 Inland Data Products Group
 By: *[Signature]*

3/16" ANNEALED GLASS
GLAZING DETAIL
GLASS TYPE "A"

1/8" TEMPERED GLASS
GLAZING DETAIL
GLASS TYPE "B"

1. HORIZONTAL CROSS SECTION
W/2X BUCK

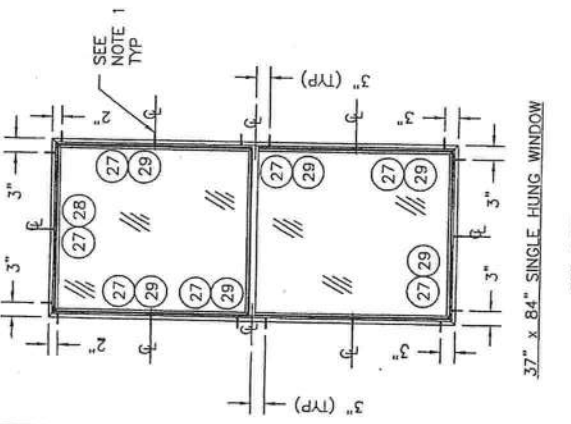
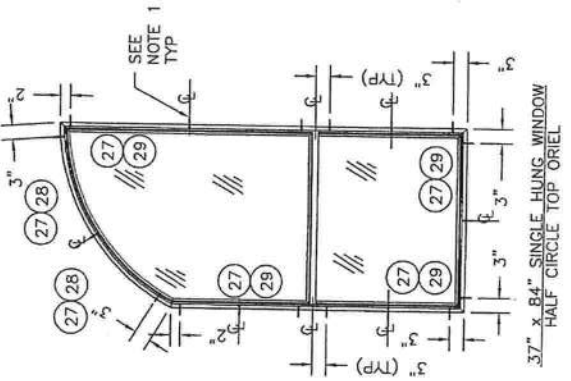
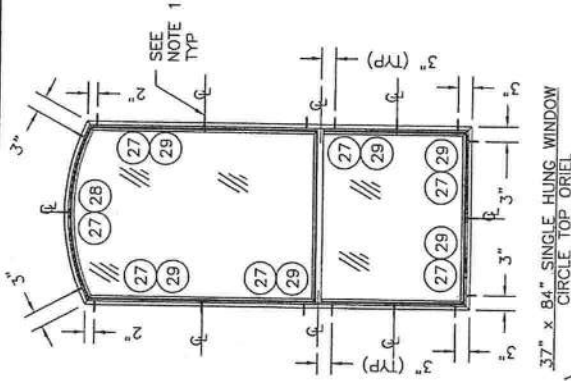
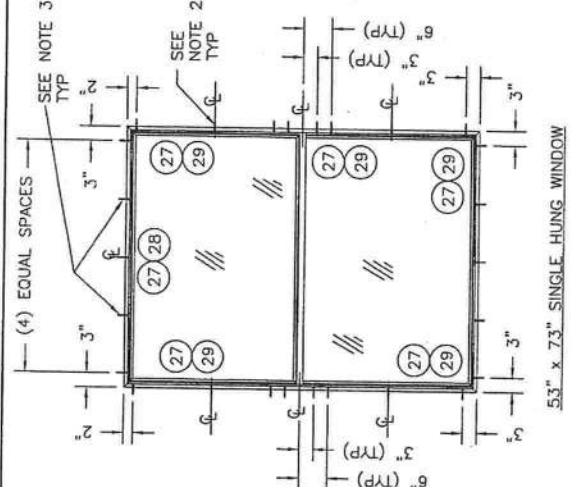
1. HORIZONTAL CROSS SECTION
W/1X BUCK

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice, FL 33595
 Phone No.: 813.553.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
 2/10/04
 Wendell Hopper, P.E. No. 54158

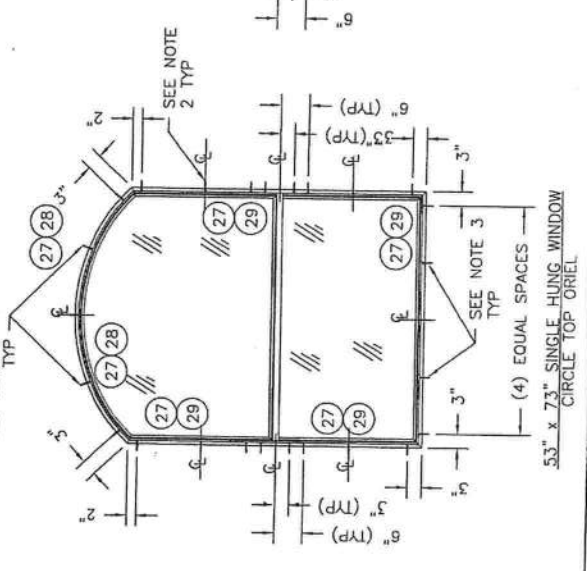
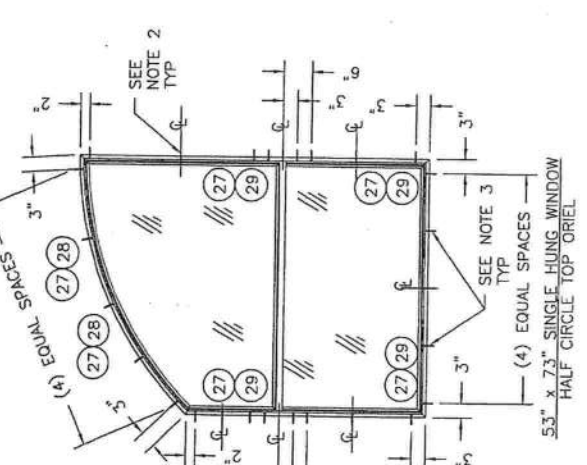
PRODUCT: NON-IMPACT SINGLE HUNG WINDOW RECTANGLE, CIRCLE TOP & ORIEL
 PART OR ASSEMBLY:
 ANCHORING LOCATIONS

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

DATE: 10/27/03
 SCALE: N.T.S.
 DWG. BY: T.J.H.
 CHK. BY: RW
 DRAWING NO.: S-2422
 SHEET 4 OF 5



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



Approved as complying with the
 Florida Building Code
 Date 08/03/04
 Name 03-1215-02
 Michael R. Smith
 Michael R. Smith
 Michael R. Smith

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 PUURECTGLAZE-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



Approved as complying with the
 provisions of the
 Florida Building Code
 Chapter 6, Part 1, Section 603.1
 Minimum Building Product Standards
 Division 5
 By: *[Signature]*

DATE: 10/27/03		SCALE: N.T.S.	SHEET 5 OF 5	
NO. 1		DATE: 01/04	DWG. BY: TJH	
NO. 2		DATE: 02/10/04	CHK. BY: RW	
NO. 3		DATE: 03/17/03	DRAWING NO.: S-2422	
NO. 4		DATE: 04/03/03	DIVISION: 5	
NO. 5		DATE: 05/03/03	PROJECT: 03-103-103	
NO. 6		DATE: 06/03/03	PROJECT: 03-103-103	
NO. 7		DATE: 07/03/03	PROJECT: 03-103-103	
NO. 8		DATE: 08/03/03	PROJECT: 03-103-103	
NO. 9		DATE: 09/03/03	PROJECT: 03-103-103	
NO. 10		DATE: 10/03/03	PROJECT: 03-103-103	
NO. 11		DATE: 11/03/03	PROJECT: 03-103-103	
NO. 12		DATE: 12/03/03	PROJECT: 03-103-103	
NO. 13		DATE: 01/04	PROJECT: 03-103-103	
NO. 14		DATE: 02/04	PROJECT: 03-103-103	
NO. 15		DATE: 03/04	PROJECT: 03-103-103	
NO. 16		DATE: 04/04	PROJECT: 03-103-103	
NO. 17		DATE: 05/04	PROJECT: 03-103-103	
NO. 18		DATE: 06/04	PROJECT: 03-103-103	
NO. 19		DATE: 07/04	PROJECT: 03-103-103	
NO. 20		DATE: 08/04	PROJECT: 03-103-103	
NO. 21		DATE: 09/04	PROJECT: 03-103-103	
NO. 22		DATE: 10/04	PROJECT: 03-103-103	
NO. 23		DATE: 11/04	PROJECT: 03-103-103	
NO. 24		DATE: 12/04	PROJECT: 03-103-103	
NO. 25		DATE: 01/05	PROJECT: 03-103-103	
NO. 26		DATE: 02/05	PROJECT: 03-103-103	
NO. 27		DATE: 03/05	PROJECT: 03-103-103	
NO. 28		DATE: 04/05	PROJECT: 03-103-103	
NO. 29		DATE: 05/05	PROJECT: 03-103-103	
NO. 30		DATE: 06/05	PROJECT: 03-103-103	
NO. 31		DATE: 07/05	PROJECT: 03-103-103	
NO. 32		DATE: 08/05	PROJECT: 03-103-103	
NO. 33		DATE: 09/05	PROJECT: 03-103-103	
NO. 34		DATE: 10/05	PROJECT: 03-103-103	
NO. 35		DATE: 11/05	PROJECT: 03-103-103	
NO. 36		DATE: 12/05	PROJECT: 03-103-103	
NO. 37		DATE: 01/06	PROJECT: 03-103-103	
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NO. 39		DATE: 03/06	PROJECT: 03-103-103	
NO. 40		DATE: 04/06	PROJECT: 03-103-103	
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NO. 42		DATE: 06/06	PROJECT: 03-103-103	
NO. 43		DATE: 07/06	PROJECT: 03-103-103	
NO. 44		DATE: 08/06	PROJECT: 03-103-103	
NO. 45		DATE: 09/06	PROJECT: 03-103-103	
NO. 46		DATE: 10/06	PROJECT: 03-103-103	
NO. 47		DATE: 11/06	PROJECT: 03-103-103	
NO. 48		DATE: 12/06	PROJECT: 03-103-103	
NO. 49		DATE: 01/07	PROJECT: 03-103-103	
NO. 50		DATE: 02/07	PROJECT: 03-103-103	
NO. 51		DATE: 03/07	PROJECT: 03-103-103	
NO. 52		DATE: 04/07	PROJECT: 03-103-103	
NO. 53		DATE: 05/07	PROJECT: 03-103-103	
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NO. 55		DATE: 07/07	PROJECT: 03-103-103	
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NO. 57		DATE: 09/07	PROJECT: 03-103-103	
NO. 58		DATE: 10/07	PROJECT: 03-103-103	
NO. 59		DATE: 11/07	PROJECT: 03-103-103	
NO. 60		DATE: 12/07	PROJECT: 03-103-103	
NO. 61		DATE: 01/08	PROJECT: 03-103-103	
NO. 62		DATE: 02/08	PROJECT: 03-103-103	
NO. 63		DATE: 03/08	PROJECT: 03-103-103	
NO. 64		DATE: 04/08	PROJECT: 03-103-103	
NO. 65		DATE: 05/08	PROJECT: 03-103-103	
NO. 66		DATE: 06/08	PROJECT: 03-103-103	
NO. 67		DATE: 07/08	PROJECT: 03-103-103	
NO. 68		DATE: 08/08	PROJECT: 03-103-103	
NO. 69		DATE: 09/08	PROJECT: 03-103-103	
NO. 70		DATE: 10/08	PROJECT: 03-103-103	
NO. 71		DATE: 11/08	PROJECT: 03-103-103	
NO. 72		DATE: 12/08	PROJECT: 03-103-103	
NO. 73		DATE: 01/09	PROJECT: 03-103-103	
NO. 74		DATE: 02/09	PROJECT: 03-103-103	
NO. 75		DATE: 03/09	PROJECT: 03-103-103	
NO. 76		DATE: 04/09	PROJECT: 03-103-103	
NO. 77		DATE: 05/09	PROJECT: 03-103-103	
NO. 78		DATE: 06/09	PROJECT: 03-103-103	
NO. 79		DATE: 07/09	PROJECT: 03-103-103	
NO. 80		DATE: 08/09	PROJECT: 03-103-103	
NO. 81		DATE: 09/09	PROJECT: 03-103-103	
NO. 82		DATE: 10/09	PROJECT: 03-103-103	
NO. 83		DATE: 11/09	PROJECT: 03-103-103	
NO. 84		DATE: 12/09	PROJECT: 03-103-103	
NO. 85		DATE: 01/10	PROJECT: 03-103-103	
NO. 86		DATE: 02/10	PROJECT: 03-103-103	
NO. 87		DATE: 03/10	PROJECT: 03-103-103	
NO. 88		DATE: 04/10	PROJECT: 03-103-103	
NO. 89		DATE: 05/10	PROJECT: 03-103-103	
NO. 90		DATE: 06/10	PROJECT: 03-103-103	
NO. 91		DATE: 07/10	PROJECT: 03-103-103	
NO. 92		DATE: 08/10	PROJECT: 03-103-103	
NO. 93		DATE: 09/10	PROJECT: 03-103-103	
NO. 94		DATE: 10/10	PROJECT: 03-103-103	
NO. 95		DATE: 11/10	PROJECT: 03-103-103	
NO. 96		DATE: 12/10	PROJECT: 03-103-103	
NO. 97		DATE: 01/11	PROJECT: 03-103-103	
NO. 98		DATE: 02/11	PROJECT: 03-103-103	
NO. 99		DATE: 03/11	PROJECT: 03-103-103	
NO. 100		DATE: 04/11	PROJECT: 03-103-103	

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice, FL 33595
 Phone No.: 813.659.9197
 Certificate of Professional Engineers
 No. 9813
 2/10/04
 Wendell Hanks, P.E. No. 9813

SHEET 5 OF 5		DRAWING NO.: S-2422		CHK. BY: RW		ENG. BY: T.J.H		SCALE: N.T.S.		DATE: 10/27/03	
NO.		DATE		REVISED PER DATE		LETTER		WH		BY	
2		2/10/04		CORRECT DP TABLE				RW		PART OR ASSEMBLY:	
1		01/04		REVISED PER DATE		LETTER		WH		BILL OF MATERIALS & UNIT COMPONENTS	
2		2/10/04		CORRECT DP TABLE				RW		NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & ORIAL	
										PRODUCT:	

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

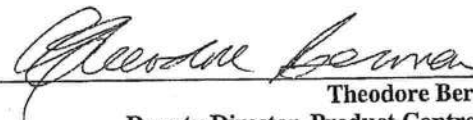
1. None.

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

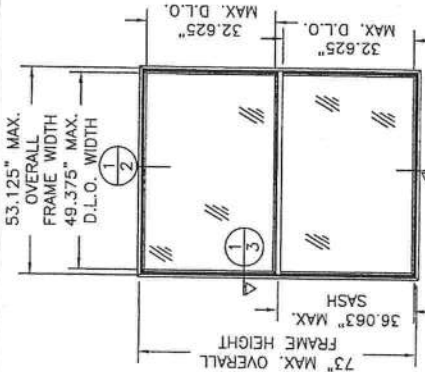
NOA No 03-1215.02

Expiration Date: March 04, 2009

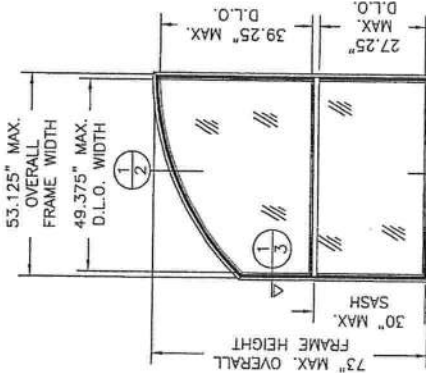
Approval Date: March 04, 2004

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

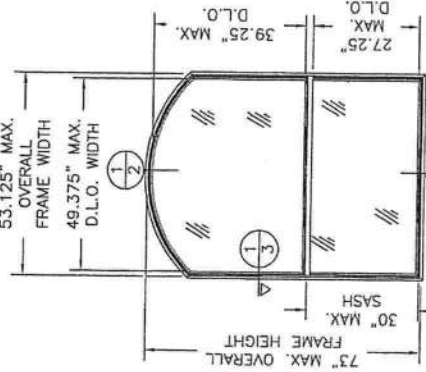
- GENERAL NOTES:**
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE "HVHZ" OF THE FLORIDA BUILDING CODE.
 2. WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
 3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT 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.



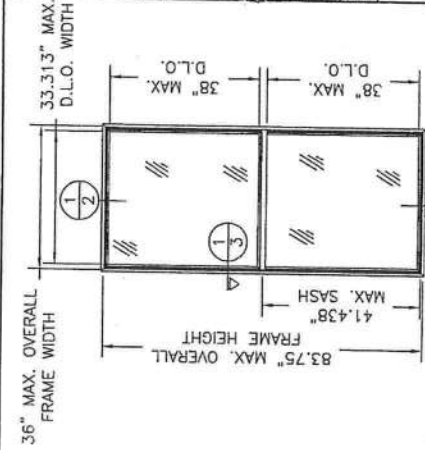
53' x 73' SINGLE HUNG WINDOW



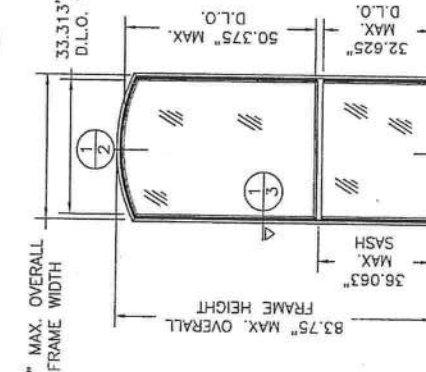
53' x 73' SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL



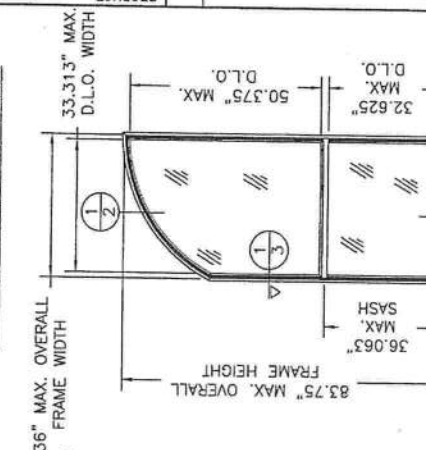
53' x 73' SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



37' x 84' SINGLE HUNG WINDOW



37' x 84' SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



37' x 84' SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL

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 required with the
 Florida Building Code
 Date 03/03/10
 Name D. J. L. S. O. 2
 Miami Trade Product Council
 Drawing
 By: [Signature]

Product Approval Documents Prescribed By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice FL 33595
 Phone No.: 813.859.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
 2/10/04

PRODUCT:
 NON-IMPACT SINGLE HUNG
 WINDOW RECTANGLE,
 CIRCLE TOP & ORIEL
 PART OR ASSEMBLY:
 GENERAL NOTES &
 TYPICAL ELEVATIONS

NO.	DATE	REVISIONS
1	01/04	REVISED PER DATE LETTER
2	2/10/04	CORRECT DP TABLE
3		
4		
5		



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)

Wheeling Corrugating Company
1134 Market Street
Wheeling, WV 26003

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 the BCCO and accepted by the Building Code and Product Review Committee 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 BCCO (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. BCCO reserves the right to revoke this acceptance, if it is determined by BCCO 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 South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

DESCRIPTION: "R" Panel Steel Roofing

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

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

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

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

This NOA consists of pages 1 through 7.

The submitted documentation was reviewed by Frank Zuloaga, RRC



NOA No.: 00-0501.14
Expiration Date: 02/21/07
Approval Date: 02/21/02
Page 1 of 7

ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Metal, Panels
Material: Steel
Deck Type: Wood
Maximum Design Pressure: -87.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Wheeling Corrugating Company "R" Roof Panel	Length: varies Width: 37" Height: 1-1/4" Thickness: .0217"	PA 110	G-90 Galvanized, AZ55, Wheeling Paint System, Fluoropan, Kylar or Hylar over G60 Galvanized Steel.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Product Description</u>	<u>Manufacturer</u>
#30 Felt	N/A	Saturated organic felt to be used as a nailed underlayment.	Generic (With current NOA)
#43 Coated Base Sheet	N/A	Saturated and coated organic base sheet for single or double ply underlayment.	Generic (With current NOA)
Fire Barrier Board ("Dens Deck")	Min. 1/4" thick	Fire barrier for Class 'A' fire rating.	Georgia-Pacific (With current NOA)
Fire Barrier ("Roctex")	Min. 450 grams/m ²	Fire barrier for Class 'A' fire rating.	Partek Insulations, Inc. (With current NOA)
Fasteners (Panel)	Min. 0.178 inch diameter by 1-1/2 long	Corrosion resistant, sharp point hex-head screws with neoprene sealing washer.	Generic (With current NOA)



NOA No.: 00-0501.14
Expiration Date: 02/21/07
Approval Date: 02/21/02
Page 2 of 7

APPROVED SYSTEMS:

SYSTEM:	Wheeling Corrugating Company "R" Roof Panel
Deck Type:	Wood, Non-insulated
Deck Description:	New Construction or Re-roof $1\frac{5}{32}$ " or greater plywood or wood plank.
Slope Range:	2": 12" or greater
Maximum Uplift Pressure:	The maximum allowable design pressure -52.5 psf
Deck Attachment:	In accordance with applicable building code, but in no case shall it be less than $1\frac{5}{32}$ " plywood fastened with #8 x 2 inch wood screws spaced 6" o.c. <u>to wood structural supports spaced at a maximum of 24 inches o.c.</u>
Underlayment:	Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 15" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 12 gauge 1 $\frac{1}{4}$ " annular ring-shank nails, spaced 6" o.c. at all laps and one staggered rows 12" o.c. in the field of the 17" exposure.
Valleys:	Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Wheeling Corrugating Company "R" Roof Panel' current published installation instructions.
Fire Barrier Board:	For class A or B fire rating, install minimum $\frac{1}{4}$ " thick Georgia Pacific "Dens Deck" or one layer of "Roctex" or $\frac{5}{8}$ " water resistant type X gypsum sheathing with treated core and facer, in compliance with Roofing Application Standard RAS 133.
Metal Panels and Accessories:	<p>Install the "Wheeling Corrugating Company "R" Roof Panel" and accessories in compliance with Wheeling Corrugating Company' current published installation instructions and details. Flashing, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standards RAS 133.</p> <p>"R" Roofing Panels shall be fastened with a minimum of #9-15 sharp point screws with a hex-washer head and neoprene sealing washer of sufficient length to penetrate through the deck spaced at $\frac{3}{16}$" at a maximum spacing of 12 inches o.c. in all directions as follows:</p> <ol style="list-style-type: none">1. Side laps shall be fastened with a minimum of two screws spaced at a maximum of 12 inches along the entire length of the roof (parallel to the roof slope) see details herein.2. Panel width shall be fastened with fasteners at a maximum spacing of 12 inches o.c. perpendicular to the slope of the roof in accordance with the detail herein. Fastener rows shall continue up the entire length of the roof (parallel to the roof slope) at a maximum spacing of 12 inches o.c.



SYSTEM:	Wheeling Corrugating Company "R" Roof Panel
Deck Type:	Wood, Non-insulated
Deck Description:	New Construction or Re-roof ¹⁵ / ₃₂ " or greater plywood or wood plank.
Slope Range:	2": 12" or greater
Maximum Uplift Pressure:	The maximum allowable design pressure -87.5 psf
Deck Attachment:	In accordance with applicable building code, but in no case shall it be less than ¹⁵ / ₃₂ " plywood fastened with #8 x 1-7/8 inch wood screws spaced 6" o.c. <u>to wood structural supports spaced at a maximum of 12 inches o.c.</u>
Underlayment:	Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 15" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 12 gauge 1 1/4" annular ring-shank nails, spaced 6" o.c. at all laps and one staggered rows 12" o.c. in the field of the 17" exposure.
Valleys:	Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Wheeling Corrugating Company "R" Roof Panel' current published installation instructions.
Fire Barrier Board:	For class A or B fire rating, install minimum 1/4" thick Georgia Pacific "Dens Deck" or one layer of "Roctex" or 5/8" water resistant type X gypsum sheathing with treated core and facer, in compliance with Roofing Application Standard RAS 133.
Metal Panels and Accessories:	<p>Install the "Wheeling Corrugating Company "R" Roof Panel" and accessories in compliance with Wheeling Corrugating Company' current published installation instructions and details. Flashing, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standards RAS 133.</p> <p>"R" Roofing Panels shall be fastened with a minimum of # 0.178" diameter sharp point screw with a hex-washer head and neoprene sealing washer of sufficient length to penetrate through the deck spaced at ³/₁₆" at a maximum spacing of 12 inches o.c. in all directions as follows:</p> <ol style="list-style-type: none"> 1. Side laps shall be fastened with a minimum of two screws spaced at a maximum of 12 inches along the entire length of the roof (parallel to the roof slope) see details herein. 2. Panel width shall be fastened with fasteners at a maximum spacing of 12 inches o.c. perpendicular to the slope of the roof in accordance with the detail herein. Fastener rows shall continue up the entire length of the roof (parallel to the roof slope) at a maximum spacing of 12 inches o.c.



SYSTEM LIMITATIONS:

1. Increased design pressures at perimeter and corner areas, in compliance with applicable building code may be met through rational analysis by increasing the number of attachment points in these areas. The maximum fastener spacing noted in the "Systems Description" section of this approval shall not be exceeded. All rational analysis computation shall be prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. Panels shall be rolls formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Roofing Application Standard RAS 133.
3. All panels shall be permanently labeled with the manufacturer's name or logo, and the following statement: "Miami-Dade County Product Control Approved."

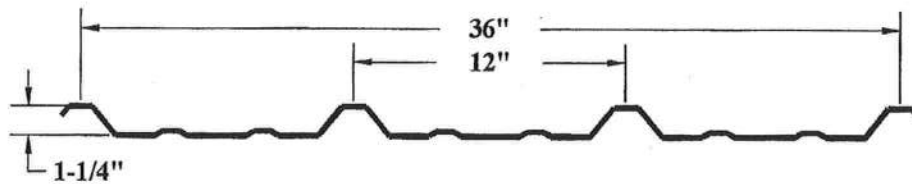
EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Architectural Testing Inc.	01-35689.01	PA 125 PA 100	11/17/99
Architectural Testing Inc.	01-35687.03	ASTM B-117 ASTM G-23 ASTM D-714 ASTM D-772	12/22/99
Architectural Testing Inc.	01-35688.02	ASTM B-117 ASTM G-23 ASTM D-714 ASTM D-772	12/22/99
Architectural Testing Inc.	01-35689.02	ASTM B-117 ASTM G-23 ASTM D-714 ASTM D-772	12/22/99
Architectural Testing Inc.	01-35690.02	ASTM B-117 ASTM G-23 ASTM D-714 ASTM D-772	12/22/99
Underwriters Laboratory	00NB/R20684	UL 580	09/14/01

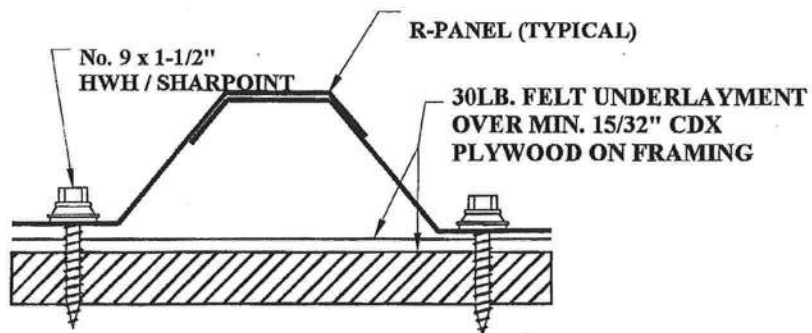
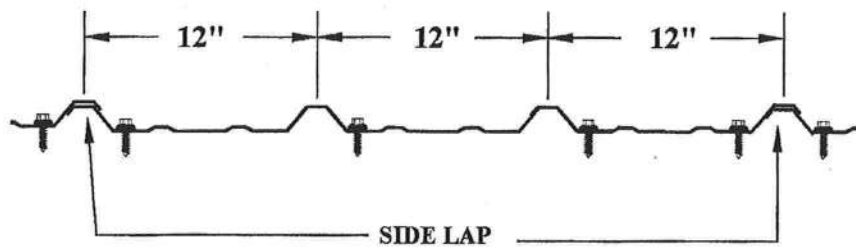


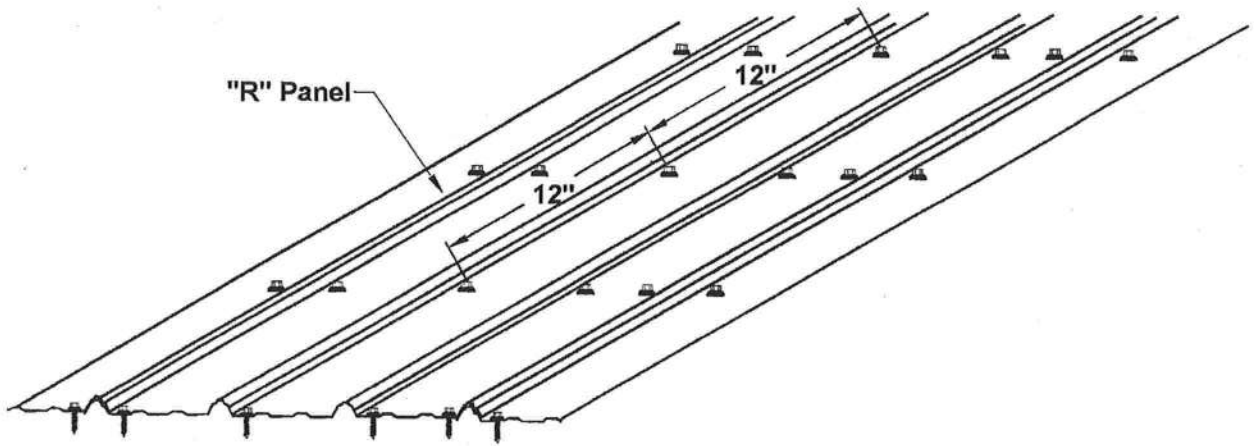
NOA No.: 00-0501.14
Expiration Date: 02/21/07
Approval Date: 02/21/02
Page 5 of 7

WHEELING CORRUGATING COMPANY "R" ROOF PANEL



FASTENER LOCATION





END OF THIS ACCEPTANCE



NOA No.: 00-0501.14
Expiration Date: 02/21/07
Approval Date: 02/21/02
Page 7 of 7



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)

Tamko Roofing Products, Inc.
P.O. Box 1404
Joplin, MO 64802

SCOPE:

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

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

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

DESCRIPTION: TAMKO Heritage Declaration & Heritage XL Roof Shingles

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

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

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

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

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

This consists of pages 1 through 4.

The submitted documentation was reviewed by Frank Zuloaga, RRC



NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03
Page 1 of 4

ROOFING ASSEMBLY APPROVAL

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

1. SCOPE:

This approves **Tamko Heritage Declaration and Heritage XL** Asphalt Shingles, manufactured by **Tamko Roofing Products, Inc.** as described in this Notice of Acceptance.

2. PRODUCT DESCRIPTION

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Heritage Declaration & Heritage XL	12" x 36"	TAS 110	A heavy weight dimensional asphalt shingle.

3. EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Asphalt Technologies, Inc.	TAS 100	TAP-066-02-01 TAP-073-02-01	01/09/03 05/20/03
Underwriters Laboratories, Inc.	ASTM D 3462	R2919	06/12/03
Underwriters Laboratories, Inc.	TAS 107	03CA08442	06/12/03

4. LIMITATIONS

- 4.1 Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
- 4.2 Shall not be installed on roof mean heights in excess of 33 ft.
- 4.3 All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

5. INSTALLATION

- 5.1 Shingles shall be installed in accordance with Roofing Application Standard RAS 115.
- 5.2 The manufacturer shall provide clearly written application instructions.
- 5.3 Exposure and course layout shall be in compliance with Detail 'A', attached.
- 5.4 Nailing shall be in compliance with Detail 'B', attached.

6. LABELING

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

7. BUILDING PERMIT REQUIREMENTS

- 7.1 Application for building permit shall be accompanied by copies of the following:
 - 7.1.1 This Notice of Acceptance.
 - 7.1.2 Any other documents required by the Building Official or the applicable Building Code in order to properly evaluate the installation of this system.

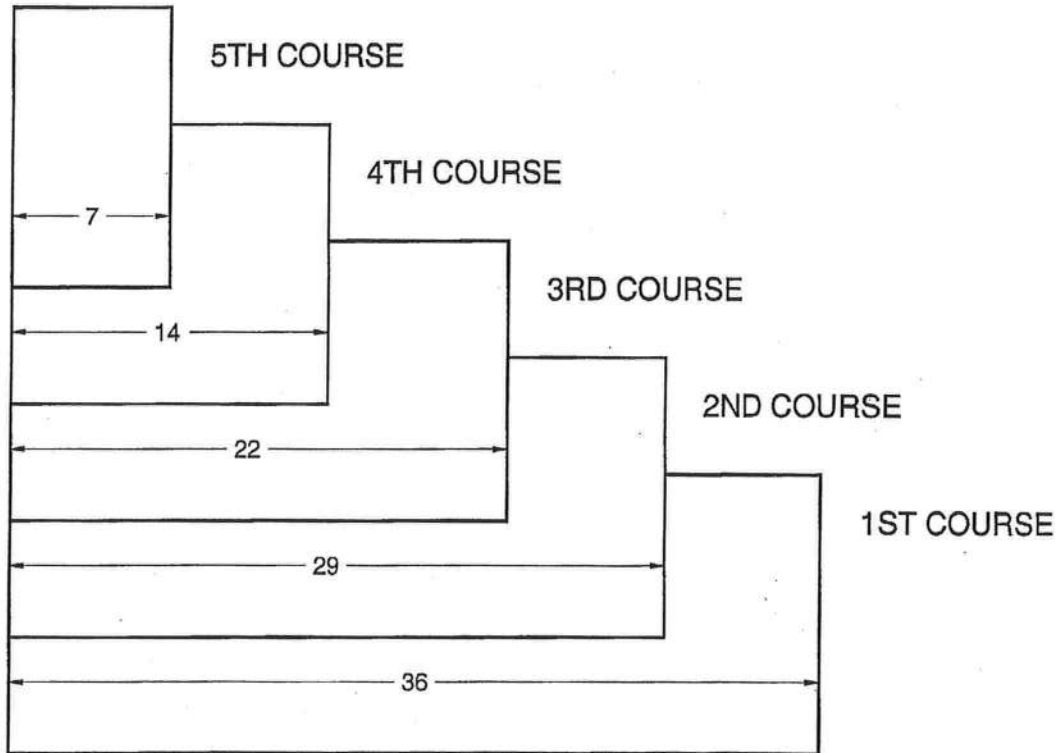


NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03
Page 2 of 4

DETAIL A

HERITAGE DECLARATION & XL

All dimensions are in inches.

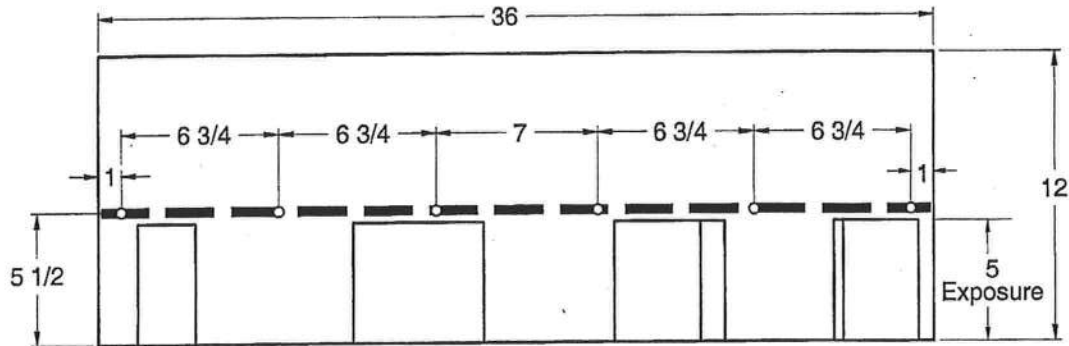


DETAIL B

HERITAGE DECLARATION

12" x 36" LAMINATED SHINGLE

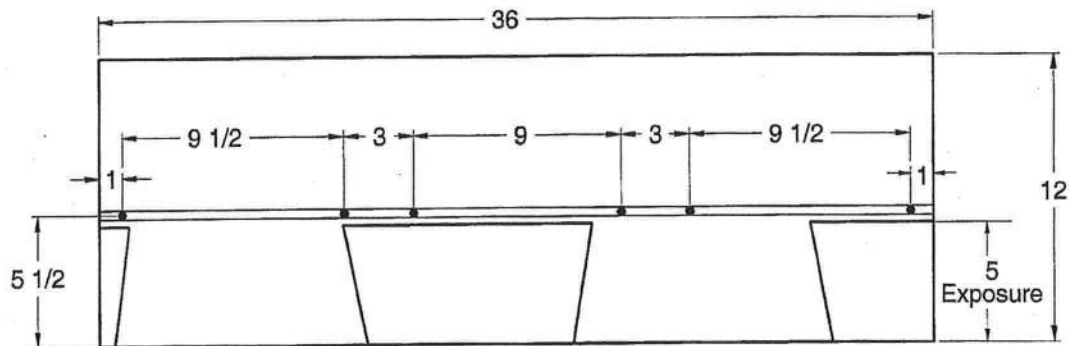
All dimensions are in inches.



HERITAGE XL

12" x 36" LAMINATED SHINGLE

All dimensions are in inches.



END OF THIS ACCEPTANCE



**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006
Supplements and One (1) and Two (2) Family Dwellings**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED 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 SPEEDS ARE PER FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) 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

GENERAL REQUIREMENTS:

- ☑ Two (2) complete sets of plans containing the following:
- ☑ All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void
- ☑ Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- ☑ Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents per FBC 106.1.

Site Plan information including:

- ☑ Dimensions of lot or parcel of land
- ☑ Dimensions of all building set backs
- ☑ Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.
- ☑ Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required:

- ☑ Plans or specifications must meet state compliance with FRC Chapter 3
- ☑ The following information must be shown as per section FRC
- ☑ Basic wind speed (3-second gust), miles per hour
- ☑ Wind importance factor and nature of occupancy
- ☑ Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- ☑ The applicable internal pressure coefficient. Components and Cladding The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional.

Elevations Drawing including:

- ☑ All side views of the structure
- ☑ Roof pitch
- ☑ Overhang dimensions and detail with attic ventilation
- ☑ Location, size and height above roof of chimneys
- ☑ Location and size of skylights with Florida Product Approval
- ☑ Number of stories
- ☑ e) Building height from the established grade to the roofs highest peak

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

- Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- Fastener schedule for structural members per table R602.3 (1) are to be shown.
- Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing
- Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems.
- Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- Indicate where pressure treated wood will be placed.
- Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas
- A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail

ROOF SYSTEMS:

- Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- Provide dead load rating of trusses

Conventional Roof Framing Layout Per FRC 802:

- Rafter and ridge beams sizes, span, species and spacing
- Connectors to wall assemblies' include assemblies' resistance to uplift rating.
- Valley framing and support details
- Provide dead load rating of rafter system.

ROOF SHEATHING FRC Table R602,3(2) FRC 803

- Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing on the edges & intermediate areas

ROOF ASSEMBLIES FRC Chapter 9

- Include all materials which will make up the roof assemblies covering; with Florida Product Approval numbers for each component of the roof assemblies covering.

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

- Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6, Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area
- Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

HVAC information shown

- Manual J sizing equipment or equivalent computation
- Exhaust fans locations in bathrooms

Plumbing Fixture layout shown

- All fixtures waste water lines shall be shown on the foundation plan

Electrical layout shown including:

- Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- Ceiling fans
- Smoke detectors
- Service panel, sub-panel, location(s) and total ampere ratings

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at _____

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Floor Plan including:

- Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
- All exterior and interior shear walls indicated
- Shear wall opening shown (Windows, Doors and Garage doors)
- Emergency escape and rescue opening in each bedroom (net clear opening shown)
- Safety glazing of glass where needed
- Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
- Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
- Plans must show and identify accessibility of bathroom (see FRC 322)

All materials placed within opening or onto/into exterior shear walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

Foundation Plans Per FRC 403:

- a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling.
- d) Assumed load-bearing value of soil _____ (psf)
- e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

- Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
- Show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and Supports

PROTECTION AGAINST TERMITES Per FRC 320:

- Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. Protection shall be provided by registered termiticides

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

- Show all materials making up walls, wall height, and Block size, mortar type
- Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

- Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers
- Girder type, size and spacing to load bearing walls, stem wall and/or piers
- Attachment of joist to girder
- Wind load requirements where applicable
- Show required under-floor crawl space
- Show required amount of ventilation opening for under-floor spaces
- Show required covering of ventilation opening.
- Show the required access opening to access to under-floor spaces
- Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- Show Draft stopping, Fire caulking and Fire blocking
- Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- Provide live and dead load rating of floor framing systems (psf).

- On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.
- Appliances and HVAC equipment and disconnects
- Arc Fault Circuits (AFCI) in bedrooms
- Notarized Disclosure Statement for Owner Builders
- Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- Size of pump motor
- Size of pressure tank
- Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.
- Parcel Number: The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
- Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
- City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
- Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.** A development permit will also be required. The permit cost is \$50.00.
- Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
- 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

Location

02/02/04 – 2 of 2

Website:

Print Name

Date

Permit # (FOR STAFF USE ONLY)

Effective April 1, 2004