

DATE 01/11/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000026596

APPLICANT TRAVIS TIMMONS PHONE 755-5427
ADDRESS 323 SW MCQUIRE TERR LAKE CITY FL 32024
OWNER STASIA & NICK SLAY PHONE 344-2705
ADDRESS 186 NW SILVER GLEN LAKE CITY FL 32055
CONTRACTOR TRAVIS TIMMONS PHONE 755-5427
LOCATION OF PROPERTY 90W, TR TURNER RD, TL ON SILVER GLEN, LAST HOUSE ON LEFT

TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 25000.00
HEATED FLOOR AREA TOTAL AREA 720.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 28-3S-16-02365-110 SUBDIVISION OAK HAMLET
LOT 10 BLOCK PHASE UNIT 0 TOTAL ACRES

CGC1513728
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 07-970 BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident
COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1664

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 \$ 125.00 CERTIFICATION FEE \$ 3.60 SURCHARGE FEE \$ 3.60
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 207.20
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

CK# 1664

For Office Use Only Application # 0712-72 Date Received 12/26 By JW Permit # 26596
 Zoning Official BK Date 02.01.08 Flood Zone X FEMA Map # N/A Zoning RSF-2
 Land Use RES. Low Density Elevation N/A MFE N/A River N/A Plans Examiner DKJH Date 1-2-08
 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. 07-097 DEFax 386-755-4003Name Authorized Person Signing Permit Travis L Timmons Phone (386) 755-5427Address 323 SW McGuire Terr. Lake City, FL 32024Owners Name Stasia and Nick Slay Phone (386) 344-2705911 Address 186 NW Silver Glen Lake City, FL 32055Contractors Name Travis L Timmons Phone (386) 755-5427Address 323 SW McGuire Terr. Lake City, FL 32024Fee Simple Owner Name & Address Stasia A. TimmonsBonding Co. Name & Address N/AArchitect/Engineer Name & Address Freeman Design Group 161 NW Madison St Suite #102Mortgage Lenders Name & Address SelfCircle the correct power company FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress EnergyProperty ID Number 28-35-16-02365-110 HX Estimated Cost of Construction \$25,000Subdivision Name Oak Hamlet Lot 10 Block _____ Unit _____ Phase _____Driving Directions Take Hwy 90 west. Turn right on Turner Road. Go approximately 1 mile. Turn left on Silver Glen. Last house on leftNumber of Existing Dwellings on Property 1Construction of Addition NFOTotal Acreage 1.37 Lot Size 1.37Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Total Building Height _____

Actual Distance of Structure from Property Lines - Front 50' Side 25' Side 140' Rear 152'Number of Stories 1 Heated Floor Area 720 sf Total Floor Area 720 sf Roof Pitch 3:12/6:12

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.

JW called - LEA MFSWJ
1.2.2008

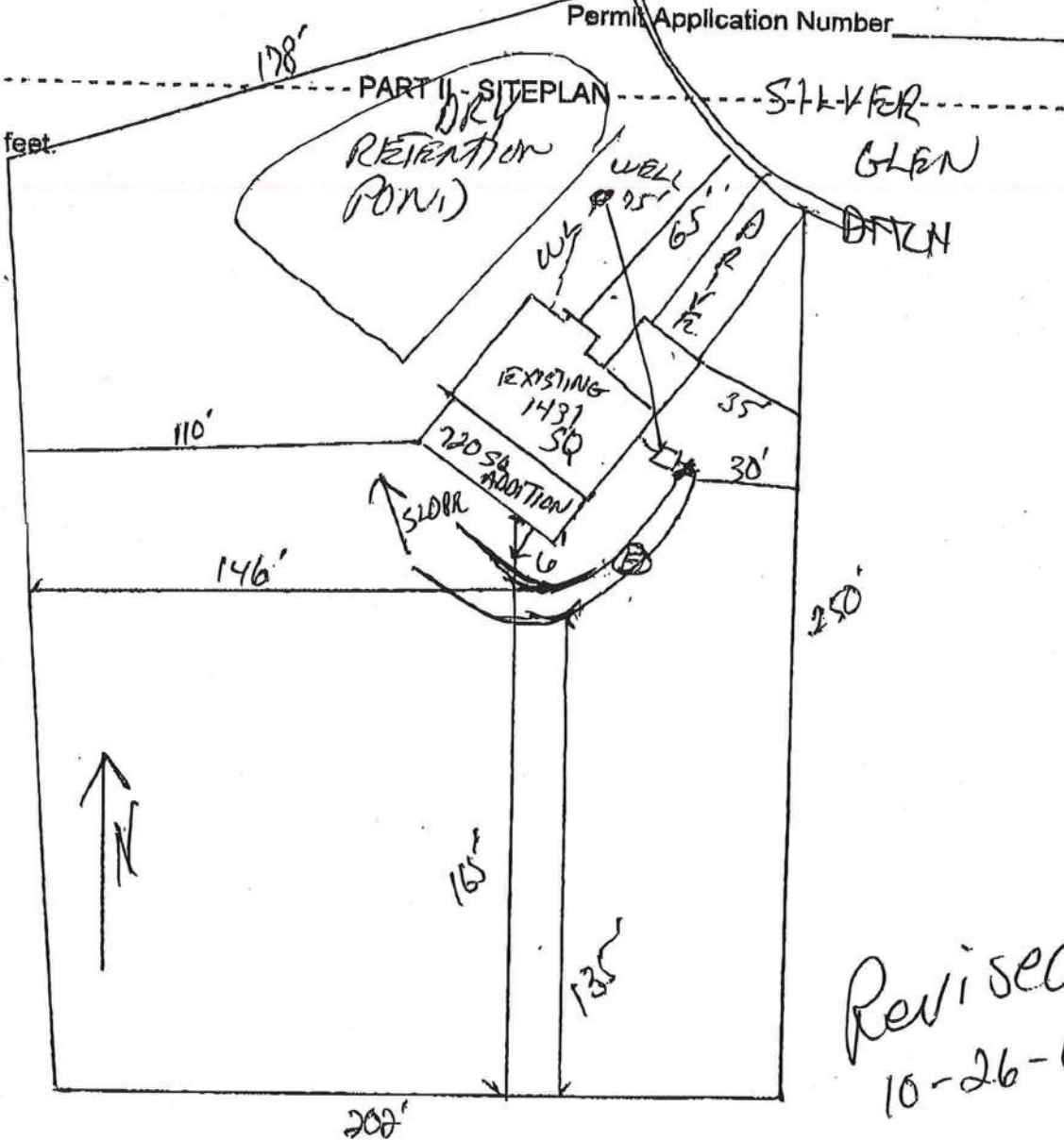
0712-72

07-09707E

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

Scale: 1 inch = 50 feet.



RECEIVED
12/26/07

Revised
10-26-07

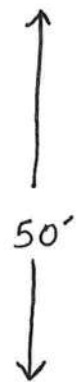
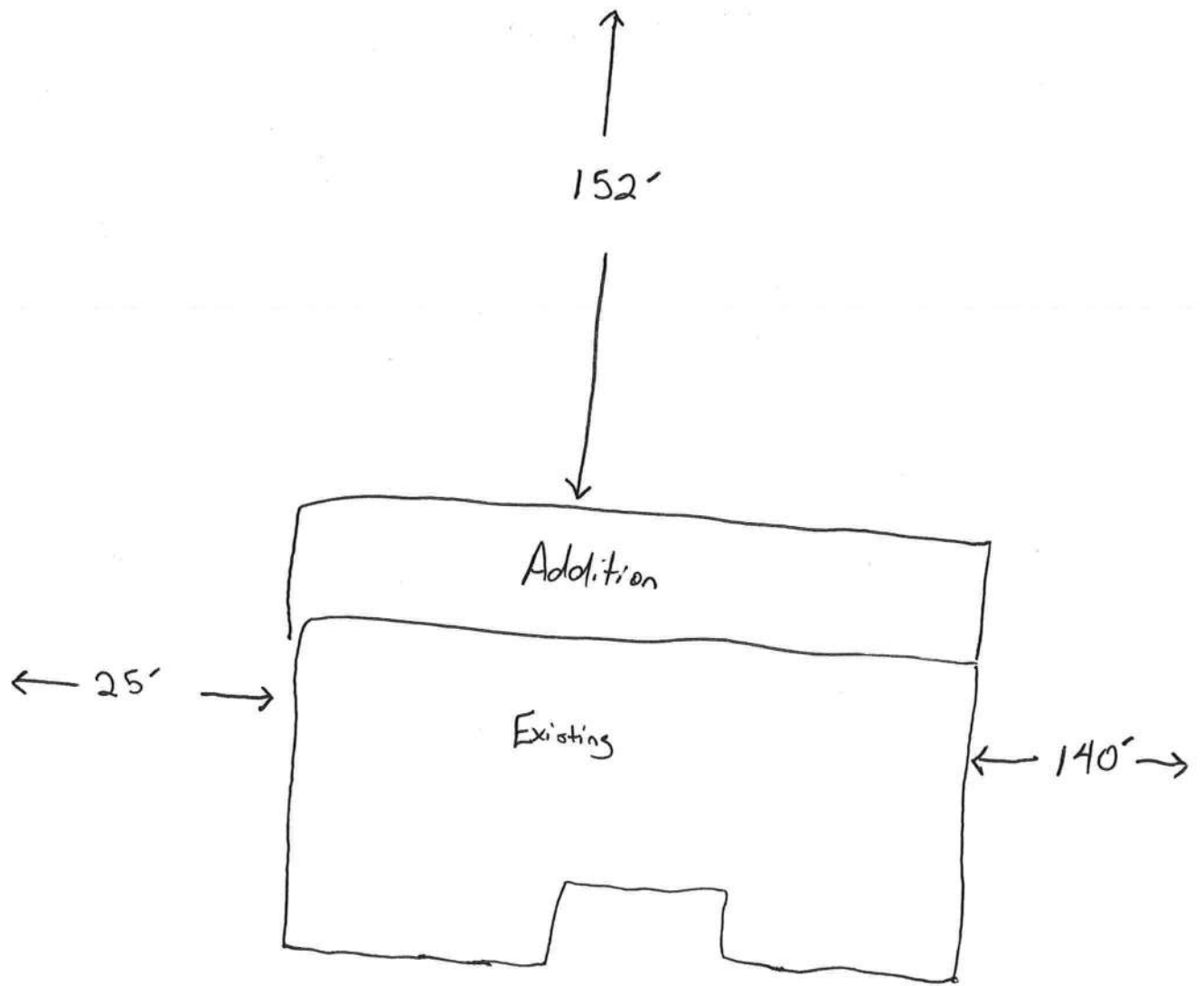
Notes: _____

Site Plan submitted by: Rock D 7-0
Plan Approved ✓ Not Approved _____
By Ch Ch-bis MASTER CONTRACTOR
Date 12-27-07
County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/86 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)

Charles Timmons



Lot 10
Oak Hamlet S/D

Silver Glen
Road

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 28-35-16-02365-110 HX

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Lot 10 Oak Hamlet S/D
a) Street (job) Address: 186 NW Silver Glen Lake City FL 32055
2. General description of improvements: Addition
3. Owner Information
a) Name and address: Stasia Slay 186 NW Silver Glen Lake City FL 32055
b) Name and address of fee simple titleholder (if other than owner) _____
c) Interest in property 100%
4. Contractor Information
a) Name and address: Travis L Timmons 323 SW McGuire Terr. Lake City FL 32024
b) Telephone No.: (386) 755-5427 Fax No. (Opt.) _____
5. Surety Information
a) Name and address: N/A
b) Amount of Bond: _____
c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
a) Name and address: N/A
b) Phone No.: _____
Inst: 200712028191 Date: 12/26/2007 Time: 9:04 AM
DC, P. DeWitt Cason, Columbia County Page 1 of 1
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: N/A
b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
a) Name and address: N/A
b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR 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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Stasia Slay
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager
Stasia Slay
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 24th day of DECEMBER, 20 07, by:
STASIA SLAY as OWNER (type of authority, e.g. officer, trustee, attorney
fact) for STASIA SLAY (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature Regina A Timmons Notary Stamp or Seal:



REGINA G. TIMMONS
MY COMMISSION # DD 709157
EXPIRES: October 29, 2011
Bonded Thru Budget Notary Services

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Stasia Slay
Signature of Natural Person Signing (in line #10 above.)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: Slay Addition Address: City, State: Lake City, FL Owner: Stasia Slay Climate Zone: North	Builder: Charles Timmons Permitting Office: Lake City Permit Number: 26596 Jurisdiction Number: 221000
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1. New construction or existing Addition ☐ 2. Single family or multi-family Single family ☐ 3. Number of units, if multi-family 1 ☐ 4. Number of Bedrooms ☐ 5. Is this a worst case? Yes ☐ 6. Conditioned floor area (ft²) 720 ft² ☐ 7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">a. U-factor:</td> <td style="width: 30%;">Description</td> <td style="width: 40%;">Area</td> </tr> <tr> <td>(or Single or Double DEFAULT)</td> <td>7a. (Dble Default)</td> <td>105.0 ft²</td> </tr> <tr> <td colspan="3">b. SHGC:</td> </tr> <tr> <td>(or Clear or Tint DEFAULT)</td> <td>7b. (Clear)</td> <td>60.0 ft²</td> </tr> </table> 8. Floor types <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">a. Slab-On-Grade Edge Insulation</td> <td style="width: 30%;">R=0.0, 126.0(p) ft</td> <td style="width: 40%;">☐</td> </tr> <tr> <td>b. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>c. N/A</td> <td></td> <td>☐</td> </tr> </table> 9. Wall types <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">a. Frame, Wood, Exterior</td> <td style="width: 30%;">R=13.0, 605.4 ft²</td> <td style="width: 40%;">☐</td> </tr> <tr> <td>b. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>c. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>d. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>e. N/A</td> <td></td> <td>☐</td> </tr> </table> 10. Ceiling types <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">a. Under Attic</td> <td style="width: 30%;">R=30.0, 720.0 ft²</td> <td style="width: 40%;">☐</td> </tr> <tr> <td>b. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>c. N/A</td> <td></td> <td>☐</td> </tr> </table> 11. Ducts <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">a. N/A</td> <td style="width: 30%;"></td> <td style="width: 40%;">☐</td> </tr> <tr> <td>b. N/A</td> <td></td> <td>☐</td> </tr> </table>	a. U-factor:	Description	Area	(or Single or Double DEFAULT)	7a. (Dble Default)	105.0 ft²	b. SHGC:			(or Clear or Tint DEFAULT)	7b. (Clear)	60.0 ft²	a. Slab-On-Grade Edge Insulation	R=0.0, 126.0(p) ft	☐	b. N/A		☐	c. N/A		☐	a. Frame, Wood, Exterior	R=13.0, 605.4 ft²	☐	b. N/A		☐	c. N/A		☐	d. N/A		☐	e. N/A		☐	a. Under Attic	R=30.0, 720.0 ft²	☐	b. N/A		☐	c. N/A		☐	a. N/A		☐	b. N/A		☐	12. Cooling systems <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">a. N/A</td> <td style="width: 70%;">☐</td> </tr> <tr> <td>b. N/A</td> <td>☐</td> </tr> <tr> <td>c. N/A</td> <td>☐</td> </tr> </table> 13. Heating systems <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">a. N/A</td> <td style="width: 70%;">☐</td> </tr> <tr> <td>b. N/A</td> <td>☐</td> </tr> <tr> <td>c. N/A</td> <td>☐</td> </tr> </table> 14. Hot water systems <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">a. N/A</td> <td style="width: 70%;">☐</td> </tr> <tr> <td>b. N/A</td> <td>☐</td> </tr> <tr> <td>c. Conservation credits</td> <td>☐</td> </tr> <tr> <td colspan="2">(HR-Heat recovery, Solar DHP-Dedicated heat pump)</td> </tr> </table> 15. HVAC credits <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">(CF-Ceiling fan, CV-Cross ventilation,</td> <td style="width: 70%;">☐</td> </tr> <tr> <td>HF-Whole house fan,</td> <td></td> </tr> <tr> <td>PT-Programmable Thermostat,</td> <td></td> </tr> <tr> <td>MZ-C-Multizone cooling,</td> <td></td> </tr> <tr> <td>MZ-H-Multizone heating)</td> <td></td> </tr> </table>	a. N/A	☐	b. N/A	☐	c. N/A	☐	a. N/A	☐	b. N/A	☐	c. N/A	☐	a. N/A	☐	b. N/A	☐	c. Conservation credits	☐	(HR-Heat recovery, Solar DHP-Dedicated heat pump)		(CF-Ceiling fan, CV-Cross ventilation,	☐	HF-Whole house fan,		PT-Programmable Thermostat,		MZ-C-Multizone cooling,		MZ-H-Multizone heating)	
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Glass/Floor Area: 0.15

Total as-built points: 6589

Total base points: 6637

PASS

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

PREPARED BY: Debbie Amos

DATE: 12-3-07

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

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	720.0	18.59	2409.0	1.Double, Tint	W	1.0	6.0	45.0	30.93	0.97	1350.0
				2.Double, Clear	W	1.0	6.0	30.0	38.52	0.97	1121.0
				3.Double, Clear	N	1.0	6.0	30.0	19.20	0.98	561.0
				As-Built Total:				105.0	3032.0		
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		605.4		1.50 908.1		
Exterior	605.4	1.70	1029.2								
Base Total:				605.4		1029.2					
				As-Built Total:		605.4		908.1			
DOOR TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM		= Points		
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			39.6		4.10 162.4		
Exterior	39.6	6.10	241.6								
Base Total:				39.6		241.6					
				As-Built Total:		39.6		162.4			
CEILING TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM X SCM		= Points		
Under Attic	720.0	1.73	1245.6	1. Under Attic	30.0		720.0		1.73 X 1.00 1245.6		
Base Total:				720.0		1245.6					
				As-Built Total:		720.0		1245.6			
FLOOR TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM		= Points		
Slab	126.0(p)	-37.0	-4662.0	1. Slab-On-Grade Edge Insulation	0.0		126.0(p)		-41.20 -5191.2		
Raised	0.0	0.00	0.0								
Base Total:				-4662.0		126.0		-5191.2			
				As-Built Total:		126.0		-5191.2			
INFILTRATION											
Area X BSPM = Points				Area X SPM		= Points					
720.0 10.21 7351.2				720.0		10.21		7351.2			
Summer Base Points: 7614.5				Summer As-Built Points: 7508.1							
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)							
7614.5 0.3250 2474.7				7508.1 1.00 1.000 0.310 1.000 2330.6							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

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	720.0	20.17	2614.0	1.Double, Tint	W	1.0	6.0	45.0	22.15	1.01	1004.0
				2.Double, Clear	W	1.0	6.0	30.0	20.73	1.01	626.0
				3.Double, Clear	N	1.0	6.0	30.0	24.58	1.00	737.0
				As-Built Total:			105.0		2367.0		
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	605.4	3.40	2058.4		
Exterior	605.4	3.70	2240.0								
Base Total: 605.4 2240.0				As-Built Total:			605.4		2058.4		
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			39.6	8.40	332.6		
Exterior	39.6	12.30	487.1								
Base Total: 39.6 487.1				As-Built Total:			39.6		332.6		
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	720.0	2.05	1476.0	1. Under Attic		30.0	720.0	2.05 X 1.00	1476.0		
Base Total: 720.0 1476.0				As-Built Total:			720.0		1476.0		
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	126.0(p)	8.9	1121.4	1. Slab-On-Grade Edge Insulation		0.0	126.0(p)	18.80	2368.8		
Raised	0.0	0.00	0.0								
Base Total: 1121.4				As-Built Total:			126.0		2368.8		
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
720.0 -0.59 -424.8				720.0			-0.59		-424.8		
Winter Base Points: 7513.7				Winter As-Built Points: 8178.0							
Total Winter X Points	System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	=	Heating Points	
7513.7	0.5540		4162.6	8178.0	1.00	1.000	0.521	1.000		4258.1	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

BASE					AS-BUILT								
WATER HEATING													
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	X	Multiplier X Credit Multiplier	=	Total
0		2635.00		0.0			0		1.00		2635.00		7905.0
As-Built Total:													0.0

CODE COMPLIANCE STATUS

BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
2475		4163		0	6637	2331		4258		0	6589

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Anderson Truss LLC

1730 NW Oakland Avenue ~ Lake City, Florida 32055

Phone (386) 752-3103 ~ Fax (386) 961-8290

Email: andersontruss@comcast.net

QUOTE

Customer

Name Charles Timmons

Address _____

City _____ State _____ ZIP _____

Phone (386) 623-4953

Date 12/6/2007

Job Name: **Slay**
Addition

Qty	Description	Unit Price	TOTAL
1	Roof Trusses as per plans provided. This price includes delivery charges.	\$1,520.00	\$1,520.00
SubTotal			\$1,520.00
Taxes 7%			\$106.40
TOTAL			\$1,626.40

Thank you for choosing Anderson Truss.

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1TD68228Z0310100924

Truss Fabricator: Anderson Truss Company
Job Identification: 7-365--Charles Timmons Slay Addition -- , **
Truss Count: 15
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.36.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: BRCLBSUB-



Seal Date: 12/10/2007

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	55764--H7A		07344030	12/10/07
2	55765--H9A		07344031	12/10/07
3	55766--H11A		07344032	12/10/07
4	55767--A1		07344033	12/10/07
5	55768--J0		07344034	12/10/07
6	55769--HJ7		07344035	12/10/07
7	55770--J1		07344021	12/10/07
8	55771--J2		07344022	12/10/07
9	55772--J3		07344023	12/10/07
10	55773--J4		07344024	12/10/07
11	55774--J5		07344025	12/10/07
12	55775--EJ7		07344026	12/10/07
13	55776--J3A		07344027	12/10/07
14	55777--J7		07344028	12/10/07
15	55778--J11		07344029	12/10/07



3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)

Top Chord: 1 Row @12.00" o.c.

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.

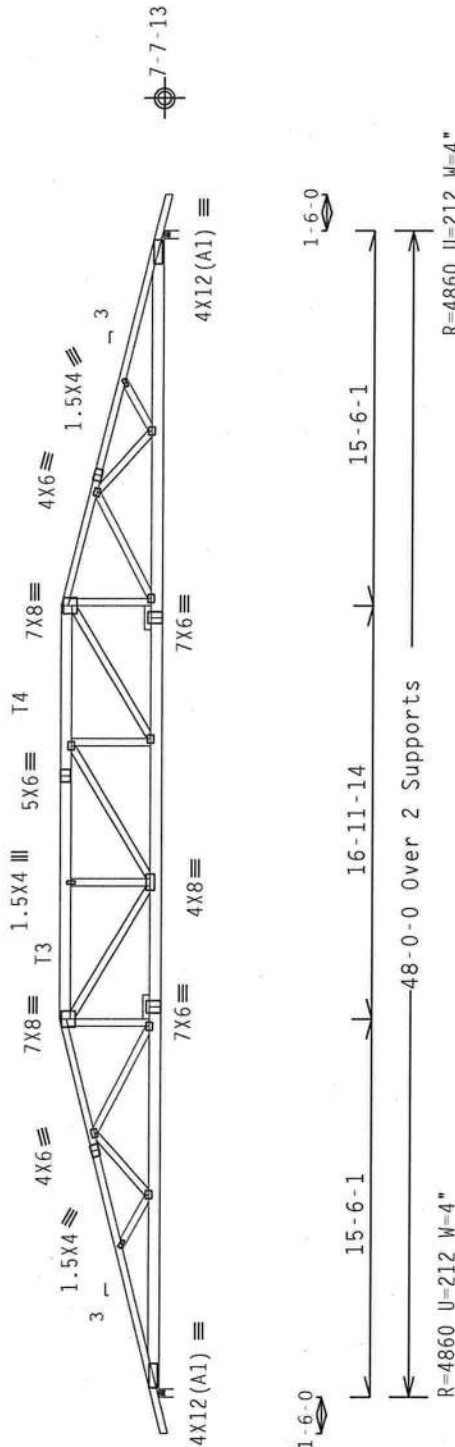
Webs : 1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Calculated horizontal deflection is 0.12" due to live load and 0.15" due to dead load.

#1 hip supports 15-6-1 jacks with no webs.

Calculated vertical deflection is 0.61" due to live load and 0.76" due to dead load at $X = 21-1-7$.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.36.0424.11$

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R8228-	55764
TC DL	10.0 PSF	DATE	12/10/07	
BC DL	10.0 PSF	DRW	HCUSR8228	07344030
BC LL	0.0 PSF	HC-ENG	JB/AP	
TOT.LD.	40.0 PSF	SEQN-	65554	
DUR.FAC.	1.25	FROM	AH	
SPACING	24.0"	JREF-	1TD68228Z03	



WARNING: TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 201 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48219) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE 1997 IBC, INCLUDING X BRACING OF ROUSSES, DESIGN OF TRUSS CHORDS, AND DESIGN OF JOINTS. THE TRUSS SHALL BE FABRICATED IN ACCORDANCE WITH THE 1997 IBC, WITH BCG CONNECTOR PLATES MADE OF 2018/176GA. OR A36/50Y STEEL WITH A563 GRADE 40/60 U. X-TRA55 GALV. STEEL. A SEAL ON THIS PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF 1911-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX/TP1 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0 278

(7-365--Charles Timmons Slay Addition --, ** - H9A)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense :B2 2x6 SP #2:
Webs 2x4 SP #3

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

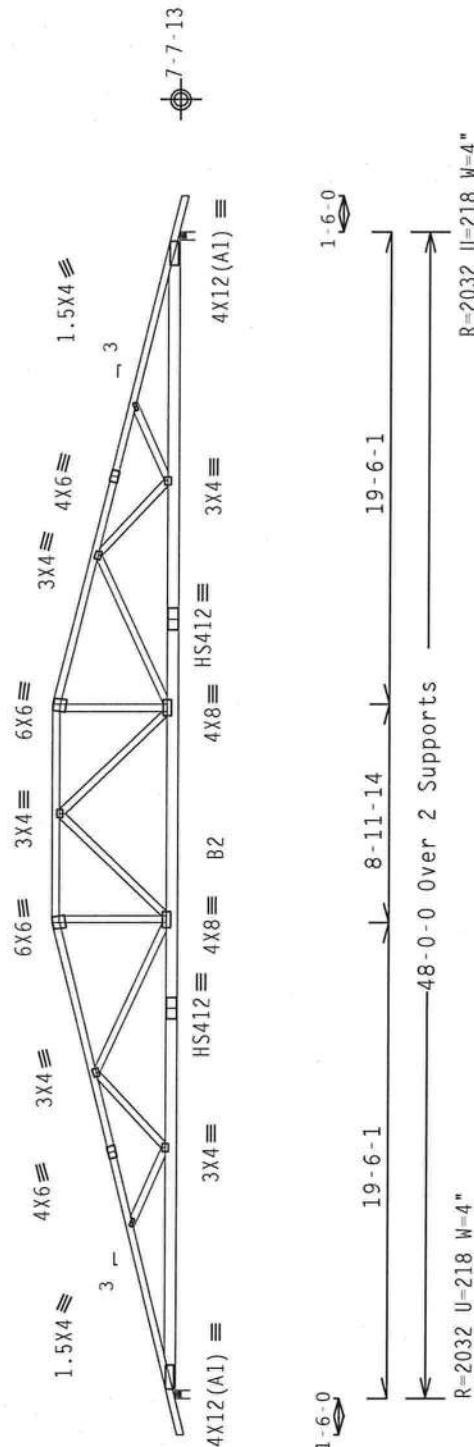
Calculated vertical deflection is 0.63" due to live load and 0.63" due to dead load at X = 19-7-13.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $lw=1.00 G_{Cpi}(\pm)=0.18$

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

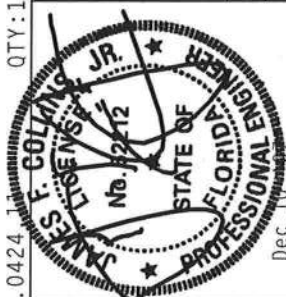


PLT TYP. 20 Gauge HS-Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424 11/10/07

Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2106 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, MI 48071 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AITAP) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/10/16GA (N-H/SS/K) ASTM A653 GRADE 40/60 (N, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING SECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



QTY: 1	FL / - / 4 / - / - / R / -	TC LL	20.0 PSF	REF	R8228- 55765
		TC DL	10.0 PSF	DATE	12/10/07
		BC DL	10.0 PSF	DRW	HCUSR8228 07344031
		BC LL	0.0 PSF	HC-ENG	JB/AP
		TOT. LD.	40.0 PSF	SEQN-	65558
		DUR. FAC.	1.25	FROM	AH
		SPACING	24.0"	JREF-	1TD68228Z03

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0278

	Top chord	2x4	SP #2	Dense
Bot chord	2x6	SP #1	Dense	
Webbs	2x4	SP #3		

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

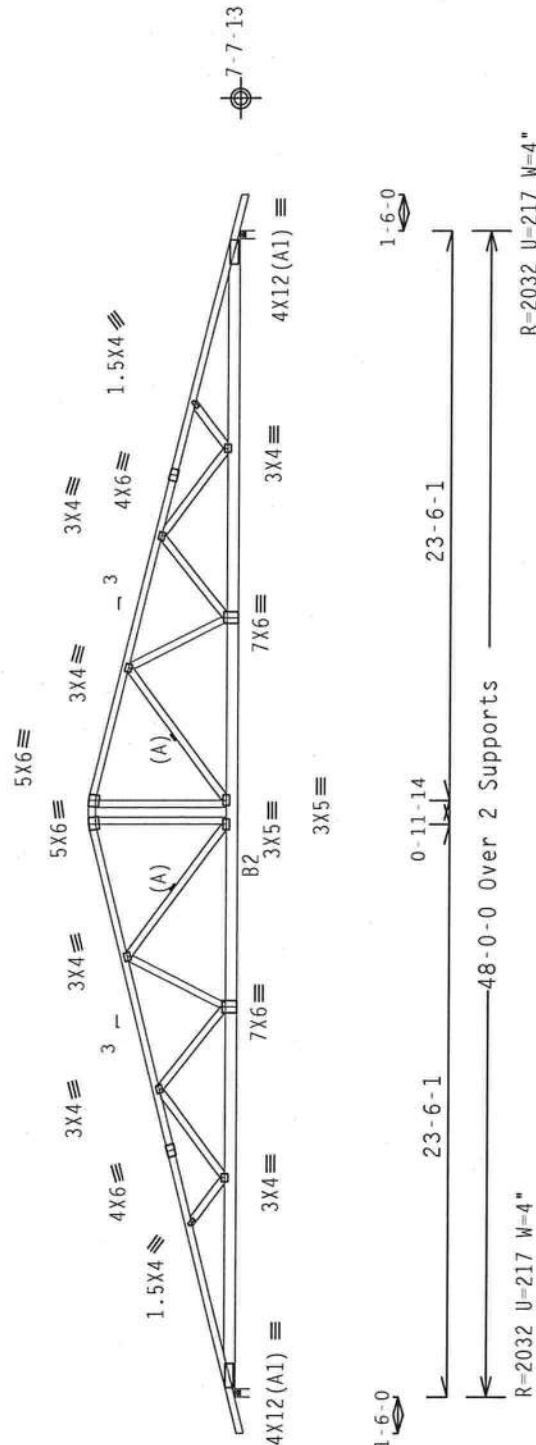
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0'psf, wind BC DL=5.0'psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

Calculated vertical deflection is 0.63" due to live load and 0.62" due to dead load at $X = 23\text{-}6\text{-}1$.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/

QTY:1 FL/-/4/-/-/R/-
Scale = .125" / Ft.

PLT TYP. Wave

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE BESS BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LESTER, CHICAGO, ILL. 60622) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 NORTH LEXINGTON, CHICAGO, ILL. 60611), MUST BE READ AND UNDERSTOOD BY ALL PERSONS PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOSS CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

REF R8228- 55766

DATE 12/10/07

DRW HCUSR8228 07344032

HC-ENG JB/AP

SEQN-	655562
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FROM AH

JREF- 1TD68228Z03



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

James City, IL 62044

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18

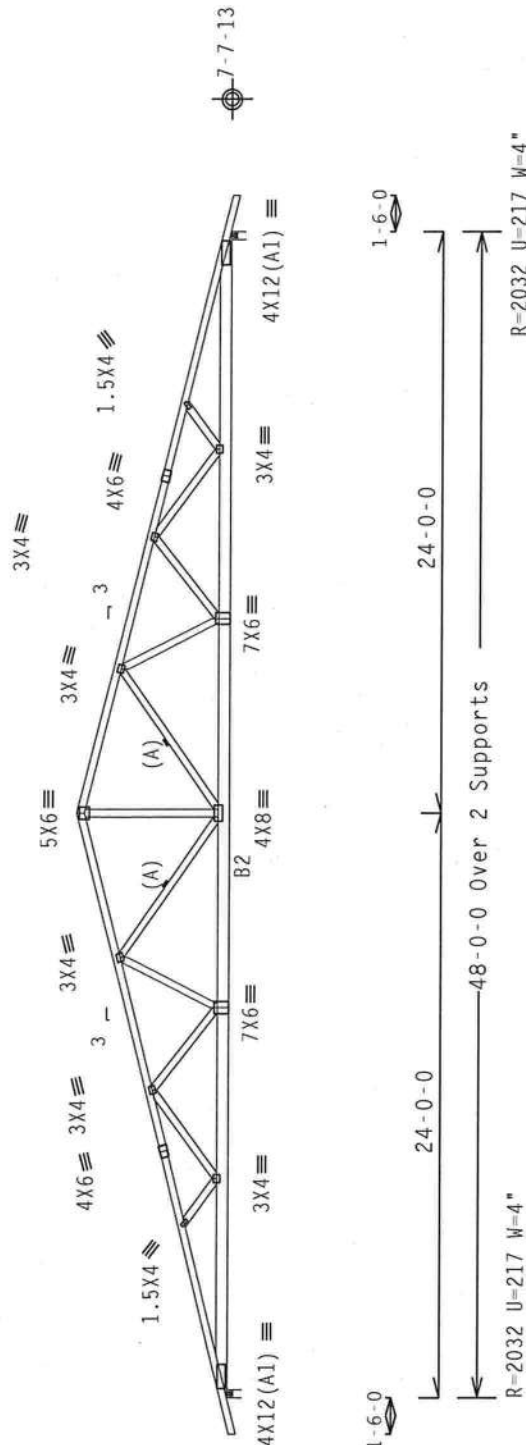
Wind reactions based on MWFRS pressures.

Calculated vertical deflection is 0.63" due to live load and 0.63" due to dead load at $X = 24-0-0$.

(A) Continuous lateral bracing equally spaced on member.

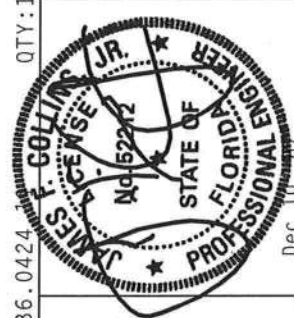
Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Design Crit: TPI-2002(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESC BUILDING COMPONENTS SYSTEMS INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 212, ALEXANDRIA, VA 22314, FOR MORE INFORMATION. CONTACT: TRUSS PLATE INSTITUTE, 2100 ENTERPRISE LANE, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

$Cq/RT=1.00(1.25)/10(0) = 7.$

[illegible]

FL/- /4/- /- /R/-		Scale = .125" /Ft.	
TC LL	20.0 PSF	REF	R8228- 55767
TC DL	10.0 PSF	DATE	12/10/07
BC DL	10.0 PSF	DRW	HCUSR8228 07344033
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	65566
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TD68228Z03

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
: Lt Stubbed Wedge 2x4 SP #3:
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Deflection meets L/240 live and L/180 total load. Wind reactions based on MWFRS pressures.



2.5X6(G1) III

$$R = -10 \quad R_W = 10 \quad U = 7$$

$\downarrow$ 1-6-0 $\rightarrow$
 0-11-10 Over 3 Supports
 $R=218 \quad U=36 \quad W=4$

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/

Scale = .5"/Ft.

TC	LL	20.0	PSF	REF	R8228-	55768
TC	DL	10.0	PSF	DATE	12/10/07	
BC	DL	10.0	PSF	DRW	HCURSR8228	07344034
BC	LL	0.0	PSF	HC-ENG	JB/AP	
TOT.	LD.	40.0	PSF	SEQN-	65508	
DUR.	FAC.	1.25		FROM	AH	
SPACING	24.0"			JREF-	1TD68228Z03	



****WARNING**** TROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMMISSION SAFETY INFORMATION), PUBLISHED BY TPI (TPOUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND TPOUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** PURSUANT TO THE INSTALLATION CONTRACT, THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN OR ANY FAILURE OF THE TRUSS IN COMPLIANCE WITH THE T1P1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PSA) AND T1P1. CONNECTOR PLATES ARE MADE OF 2010/116GA (44-H/55KSI) ALUM A653 GRADE 40/60 (A, K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INDICATION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERX 43 OF T1P1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE ACCEPTANCE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMST/PT1 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

(7-365--Charles Timm)

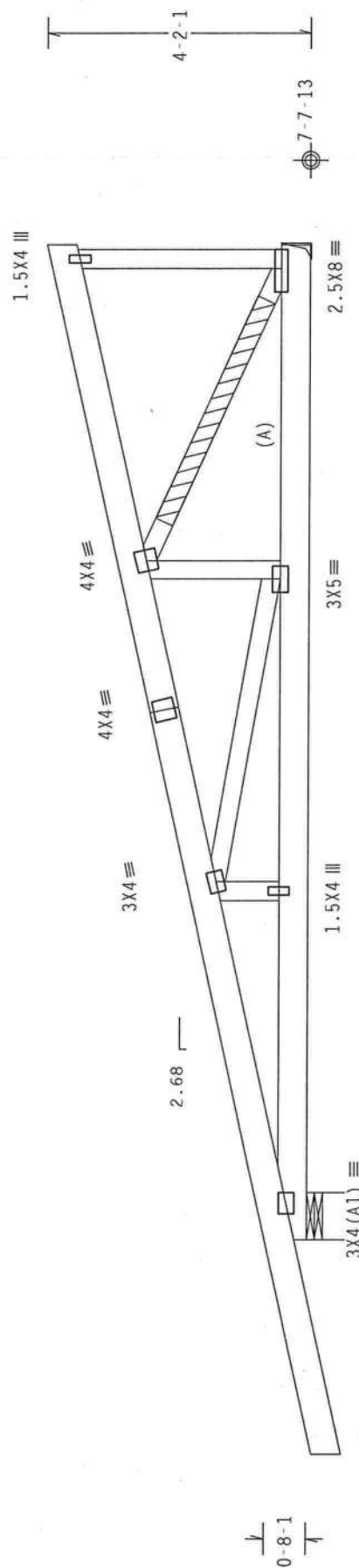
1110 mph wind, 15.00 ft mean hot, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.



← 15-7-13 Over 2 Supports

R=1095 U=144 W=8.944"

R=1558 U=152

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0)$$

QTY:1 FI / - / 4 / - / - / R / -

Scale = .375"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. FOR COMPLETE SAFETY INFORMATION, PUBLISHED BY TPI (CRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, WESTFORD, MA 02743) OR TPI (CRUSS PLATE INSTITUTE, 2100 ENTERPRISE LANE, WADSWORTH, MA 02740) PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS WILL BE AT THE RISK OF THE INSTALLER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION, ERECTION, AND REMOVAL OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION, ERECTION, AND REMOVAL OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION, ERECTION, AND REMOVAL OF THE TRUSS.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS. (NATIONAL DESIGN SPEC. BY AISC) AND TPI. TYPE OR FABRICATING, HANDLING, SHIPPING, INSTALLATION & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 2018/1768 (M/255K) ALUM. A653 GRADE 40/60 (N. K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.2.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

176 BEG



TC LL	20.0 PSF	REF	R8228-	55769
TC DL	10.0 PSF	DATE	12/10/07	
BC DL	10.0 PSF	DRW	HCUSR8228	07344035
BC LL	0.0 PSF	HC-ENG	JB/AP	
TOT.LD.	40.0 PSF	SEQN-	65550	
DUR.FAC.	1.25	FROM	AH	
SPACING	24.0"	JREF-	1TD68228Z03	

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



1-6-0
1-11-10 Over 3 Supports
R=220 U=22 W=4"

Design Crit: TPI-2002 (STD) /FBC

Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R8228- 55770
TC DL	10.0 PSF	DATE	12/10/07
BC DL	10.0 PSF	DRW	HCUSR8228 07344021
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	65512
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TD68228Z03



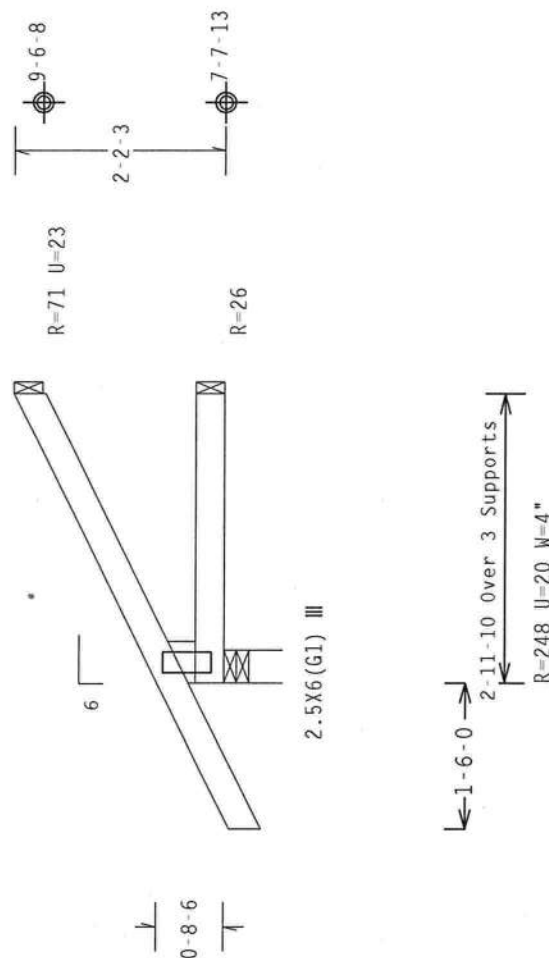
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OF FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITW BCG CUSTOMER SERVICE NUMBER 800-220-1676 (A/N/SS/AS) ASH 6653 GRADE 40/60 (M, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY TPI 1002 SECT. 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

11110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)/

PLT TYP. Wave

24 QTY:1 FL/-/4/-/-/R/-

Scale = .5"/Ft.

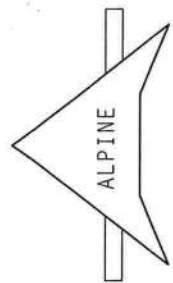
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TC DL	10.0	PSF	DATE	12/10/07
BC DL	10.0	PSF	DRW	HCUSR8228 07344022
BC LL	0.0	PSF	HC-ENG	JB/AP *
TOT.LD.	40.0	PSF	SEQN-	65516
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF-	1TD68228Z03



Dec 10 07

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE TRUSSING COMPONENT SAFETY INFORMATION, PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

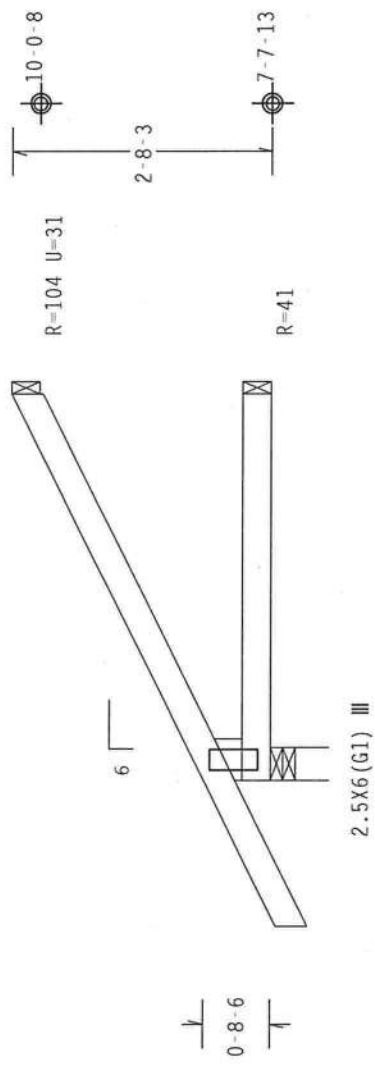
[illegible]

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

FL Certificate of Authorization # 0 278

Top chord 2x4 SP #2 Dense
 Not chord 2x4 SP #2 Dense
 Lt Stubbed Wedge 2x4 SP #3:
 110 mph wind. 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
 anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
 DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

deflection meets L/240 live and L/180 total load. Wind reactions based on MWFRS pressures.



$\leftarrow 1-6-0 \rightarrow$
 $\leq 3-11-10$ Over 3 Supports
 R-283 U=20 W=4"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

QTY:1 FL/-4/-/-/R/-

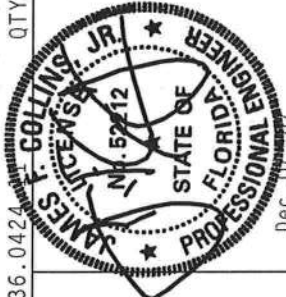
Scale = 5"/Ft.

Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Cq}/\text{RT}=1.00(1.25)/$

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND HPCA (4000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHANGING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THIS DESIGN OR MATERIALS TO BE USED BY THE TRUSS IN COMPLIANCE WITH THE DESIGNER'S REQUIREMENTS. THE DESIGNER'S REQUIREMENTS SHALL BE TO SPECIFY THE TRUSS IN COMPLIANCE WITH THE TYPE OR FABRICATING, HANDLING, SHIPPING AND STORAGE OF THE TRUSS TO BE USED.

THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND TPI-1 WITH BCG CONNECTOR PLATES ARE MADE OF 20/18/1/16GA (W/1/5/5/5) ASTM A563 GRADE 40/60 (W/ K/H/55) GALV., STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/TP1 1 E.C. 2.



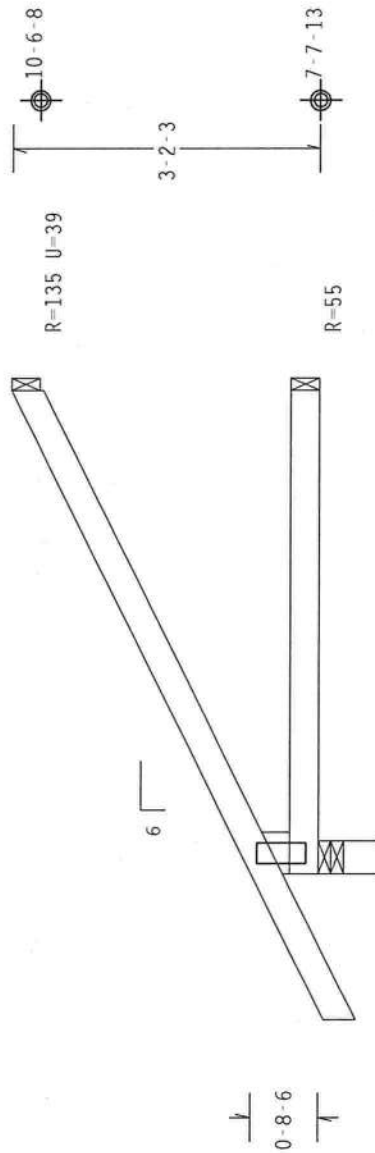
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BC DL	10.0	PSF	DRW	HCUR8228	07344023
BC LL	0.0	PSF	HC-ENG	JB/AP *	
TOT.LD.	40.0	PSF	SEQN-	65520	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TD68228Z03	

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x4 SP #3:

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpl(+/-)=0.18

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.



2.5X6 (G1) III

1-6-0
4-11-10 Over 3 Supports
R=320 U=20 W=4"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424

Scale = .5"/Ft.

QTY: 1 FL/-/4/-/-/R/-

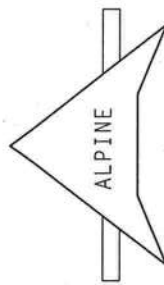
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DATE	12/10/07
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HC-ENG	JB/AP *
SEQN	65524
FROM	AH
JREF	1TD68228Z03



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND MICA (WOOD TRUSS COUNCIL OF AMERICA), 6100 ENTERPRISE LANE, MADISON, MI 48061 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (M-H/SS/2K) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S ACCEPTANCE OF THE DESIGN. THE SEAL IS THE RESPONSIBILITY OF THE DESIGNER. THE SEAL IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

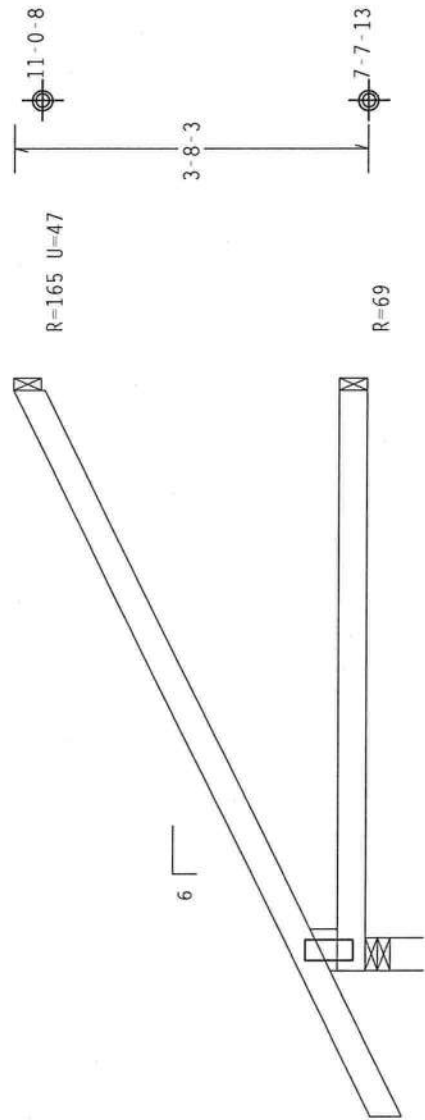


ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0.278

(7-365--Charles Timmons Slay Addition --, ** - J5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubby Wedge 2x4 SP #3:
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpl(+/-)-0.18

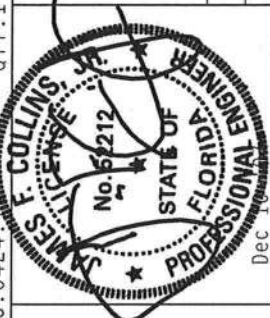
Deflection meets L/240 live and L/180 total load.



5'-11-10 Over 3 Supports
R=359 U-20 W-4"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

PLT TYP. Wave	QTY: 1	FL/-4/-/-R/-	Scale = .5"/Ft.
REF R8228- 55774	TC LL	20.0 PSF	
DATE 12/10/07	TC DL	10.0 PSF	
DRW HCUSR8228 07344025	BC DL	10.0 PSF	
HC-ENG JB/AP *	BC LL	0.0 PSF	
SEQN- 65528	TOT.LD.	40.0 PSF	
FROM AH	DUR.FAC.	1.25	
JREF- 1TD68228Z03	SPACING	24.0"	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

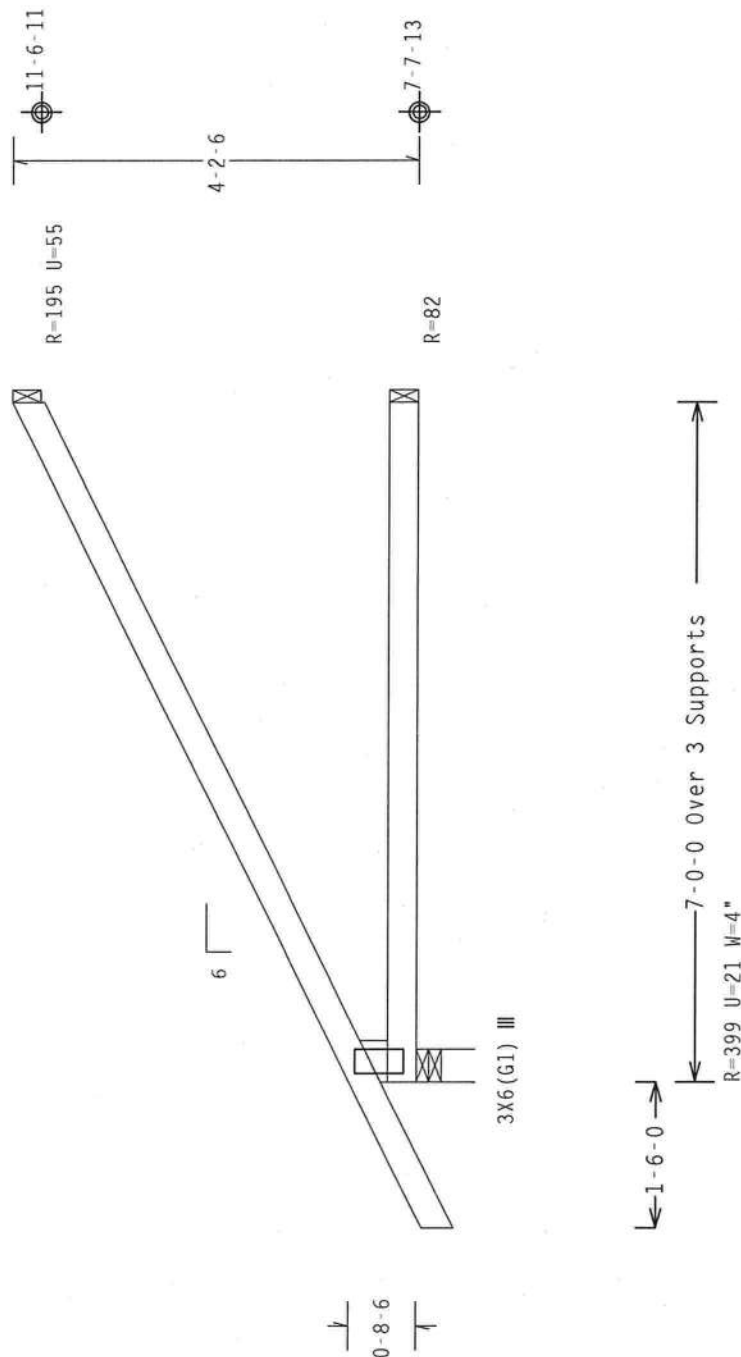
****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND TPI. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE DESIGNER. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE DESIGNER. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE DESIGNER.



1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MNFRS pressures.

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE MANUFACTURER. FOR ADDITIONAL INFORMATION, CONTACT THE FOLLOWING: NORTHEAST LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WOOD TRUSS COUNCIL OF AMERICA, 5300 ENTERPRISE LANE, MADISON, MI 48219. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID BEAMS.

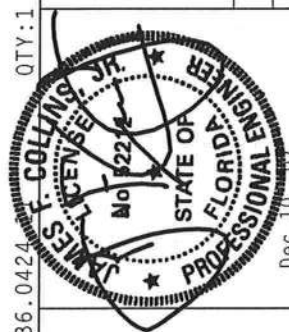
*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITN BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) AND TPI. 17N BCG CONNECTOR PLATES ARE MADE OF 20X18/16GA. U/25X5/16. ANSI A653 GRADE 40/60 U. K20/55 GALV. STEEL. APPL. TO PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

24

QTY:1 FL/-/4/-/-/R/-

Scale = 5"/Ft.

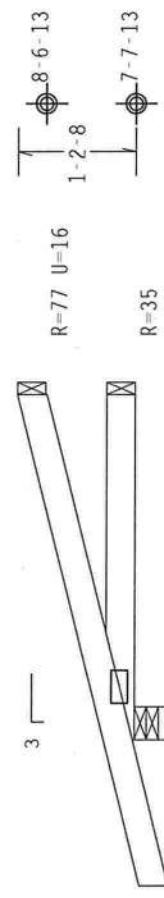
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BC DL	10.0	PSF	DRW	HCUSR8228	07344026
BC LL	0.0	PSF	HC-ENG	JB/AP	*
TOT.LD.	40.0	PSF	SEQN-	65532	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TD68228	Z03



Dec 10 07

(7-365--Charles Timmons Slay Addition --, ** - J3A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/240 live and L/180 total load.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.18
Wind reactions based on MWFRS pressures.



3-6-8 Over 3 Supports
R=272 U=60 W=4"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

PLT TYP. Wave	QTY:1	FL/-/4/-/-R/-	Scale = .5"/Ft.
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TC DL	10.0 PSF	DATE 12/10/07	
BC DL	10.0 PSF	DRW HCUSR8228 07344027	
BC LL	0.0 PSF	HC-ENG JB/AP	*
TOT.LD.	40.0 PSF	SEQN- 65536	
DUR.FAC.	1.25	FROM AH	
SPACING	24.0"	JREF- 1TD68228Z03	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PANEL INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WIGA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/10GA (0.475) ASH 6053 GRADE 40/60 (4. K/H/SS) GALV. STEEL. APPLY A SEAM ON THIS SIDE OF THE TRUSS AND A SEAM ON THE OTHER SIDE OF THE TRUSS. A SEAM ON THIS SIDE OF THE TRUSS INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE COMPANY DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

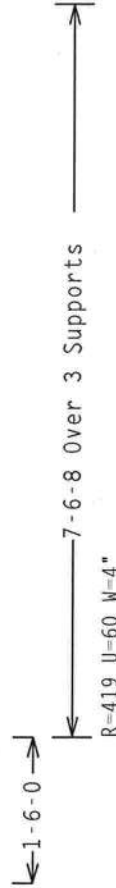
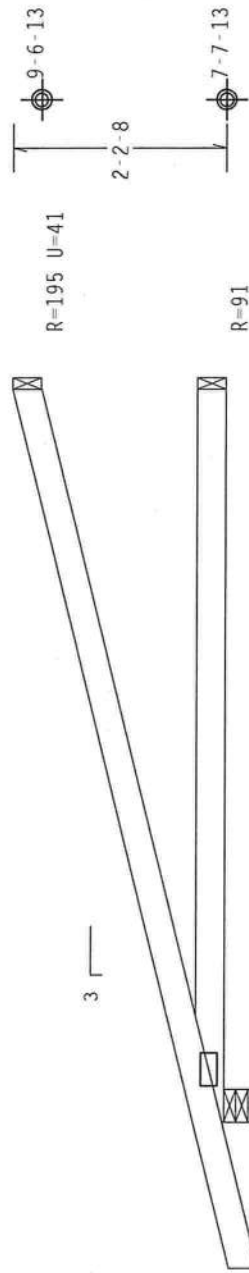
ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

QTY: 1 FL/-4/-/-R/-

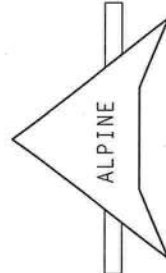
Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE FLOOR JOIST MANUFACTURER, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48219) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/SS/2) ASTM A653 GRADE 40/60 (N K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DESIGN GUIDE 9. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 55777
TC DL	10.0 PSF	DATE	12/10/07
BC DL	10.0 PSF	DRW	HCUSR8228 07344028
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN -	65540
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TD68228Z03



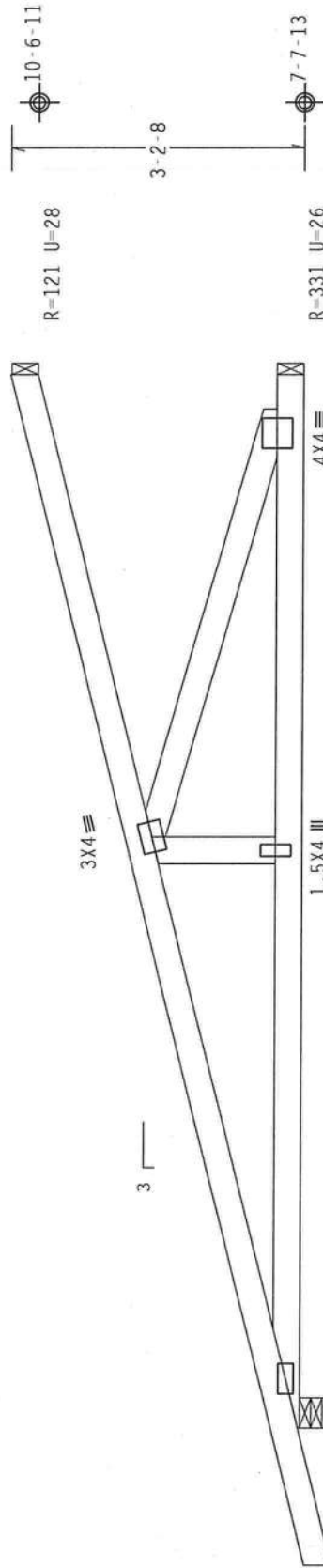
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MWFRS pressures.



L=1-6-0

11-6-8 Over 3 Supports

R-576 U=64 W=4"

PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.00(1.25)/10(0)

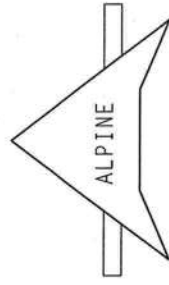
7.36.0424

QTY: 1 FL/-/4/-/R/-

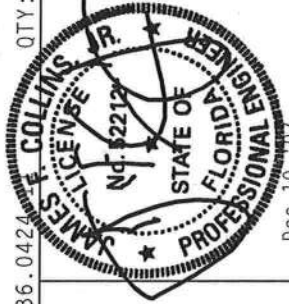
Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (M.W/SS/K) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE QUALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0778



Dec 10 '07

TC LL	20.0 PSF	REF	R8228- 55778
TC DL	10.0 PSF	DATE	12/10/07
BC DL	10.0 PSF	DRW	HCUR8228 07344029
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	65544
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TD68228Z03

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

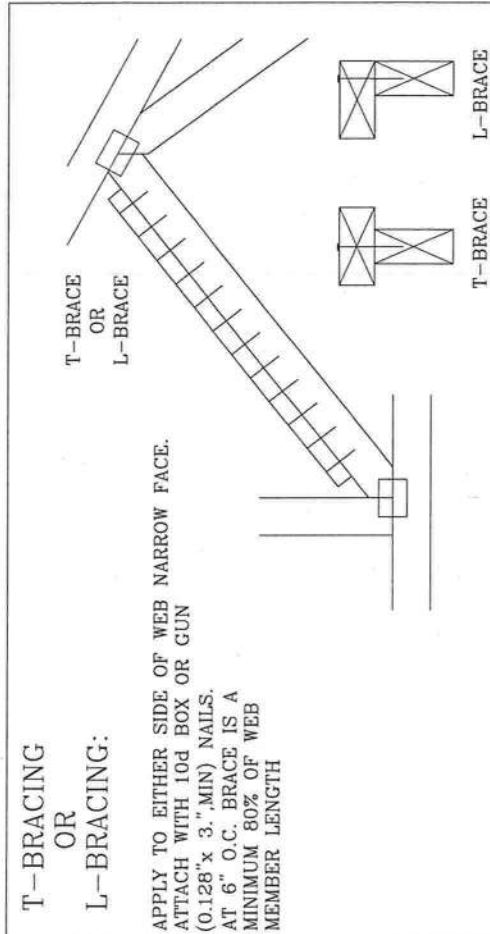
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4	2-2X4
2X6	1 ROW	2X4	1-2X6	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)	2-2X4(*)
2X8	1 ROW	2X6	1-2X8	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)	2-2X6(*)

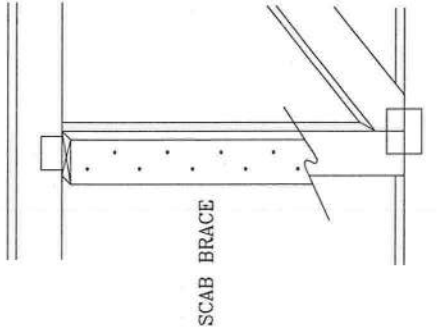
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3".MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

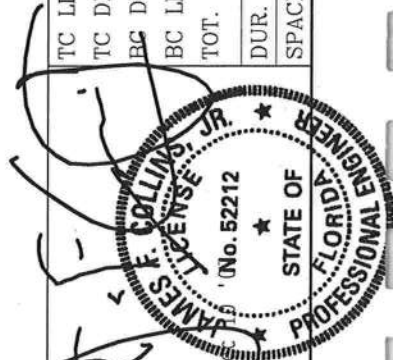


THIS DRAWING REPLACES DRAWING 579.640

 ALPINE BUILDING COMPONENTS GROUP, INC. POMPAHO BEACH, FLORIDA	TC LL	PSF	REF	CLB SUBST.
	TC DL	PSF	DATE	2/23/07
	BC DL	PSF	DRWG	BRCLBSUB0207
	BC LL	PSF	-ENG	MLH/KAR
	TOT. LD.	PSF		
DUR. FAC.				
SPACING				

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314) AND WTCA (WOOD TRUSS COUNCIL, 1000 S. 10TH AVE., SUITE 100, DENVER, CO 80202) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, SHOWN OR SPECIFIED, ALL TRUSSES SHALL BE ATTACHED TO THE PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATING FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFIRMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALL TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE FOLLOWING: TPI DESIGN, STEEL APPLY PLATES TO EACH FACE OF THE TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY IT SHALL BE PER DESIGN. POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



Summary Energy Code Results

Residential Whole Building Performance Method A

Stasia Slay
Lake City, FL

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

12/3/2007

Building Loads			
Base		As-Built	
Summer:	7615 points	Summer:	7508 points
Winter:	7514 points	Winter:	8178 points
Hot Water:	0 points	Hot Water:	0 points
Total:	15128 points	Total:	15686 points

Energy Use			
Base		As-Built	
Cooling:	2475 points	Cooling:	2331 points
Heating:	4163 points	Heating:	4258 points
Hot Water:	0 points	Hot Water:	0 points
Total:	6637 points	Total:	6589 points

PASS
e-Ratio: 0.99

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Slay Addition	Builder:	Charles Timmons
Address:		Permitting Office:	Lake City
City, State:	Lake City, FL	Permit Number:	
Owner:	Stasia Slay	Jurisdiction Number:	
Climate Zone:	North		

1. New construction or existing	Addition	12. Cooling systems	
2. Single family or multi-family	Single family	a. N/A	
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms		c. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	720 ft²	13. Heating systems	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		a. N/A	
a. U-factor:	Description Area	b. N/A	
(or Single or Double DEFAULT)	7a. (Dble Default) 105.0 ft²	c. N/A	
b. SHGC:			
(or Clear or Tint DEFAULT)	7b. (Clear) 60.0 ft²	14. Hot water systems	
8. Floor types		a. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 126.0(p) ft	b. N/A	
b. N/A		c. N/A	
c. N/A			
9. Wall types		15. HVAC credits	
a. Frame, Wood, Exterior	R=13.0, 605.4 ft²	(CF-Ceiling fan, CV-Cross ventilation,	
b. N/A		HF-Whole house fan,	
c. N/A		PT-Programmable Thermostat,	
d. N/A		MZ-C-Multizone cooling,	
e. N/A		MZ-H-Multizone heating)	
10. Ceiling types			
a. Under Attic	R=30.0, 720.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. N/A			
b. N/A			

Glass/Floor Area: 0.15

Total as-built points: 6589

Total base points: 6637

PASS

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

PREPARED BY: Debbie Amates

DATE: 12-3-07

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

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	720.0	18.59	2409.0	1.Double, Tint	W	1.0	6.0	45.0	30.93	0.97	1350.0
				2.Double, Clear	W	1.0	6.0	30.0	38.52	0.97	1121.0
				3.Double, Clear	N	1.0	6.0	30.0	19.20	0.98	561.0
				As-Built Total:				105.0	3032.0		
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		605.4	1.50	908.1		
Exterior	605.4	1.70	1029.2								
Base Total:				As-Built Total:		605.4		908.1			
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			39.6	4.10	162.4		
Exterior	39.6	6.10	241.6								
Base Total:				As-Built Total:		39.6		162.4			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	720.0	1.73	1245.6	1. Under Attic	30.0		720.0	1.73 X 1.00	1245.6		
Base Total:				As-Built Total:		720.0		1245.6			
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	126.0(p)	-37.0	-4662.0	1. Slab-On-Grade Edge Insulation	0.0		126.0(p)	-41.20	-5191.2		
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		126.0		-5191.2			
INFILTRATION Area X BSPM = Points								Area X SPM = Points			
720.0 10.21 7351.2								720.0 10.21 7351.2			
Summer Base Points: 7614.5				Summer As-Built Points:				7508.1			
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)							
7614.5 0.3250 2474.7				7508.1 1.00 1.000 0.310 1.000 2330.6							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

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	720.0	20.17	2614.0	1.Double, Tint	W	1.0	6.0	45.0	22.15	1.01	1004.0
				2.Double, Clear	W	1.0	6.0	30.0	20.73	1.01	626.0
				3.Double, Clear	N	1.0	6.0	30.0	24.58	1.00	737.0
				As-Built Total:				105.0		2367.0	
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	605.4	3.40	2058.4	
Exterior	605.4	3.70	2240.0								
Base Total:				As-Built Total:				605.4		2058.4	
DOOR TYPES Area X BWPM = Points				Type				Area X WPM =		Points	
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				39.6	8.40	332.6	
Exterior	39.6	12.30	487.1								
Base Total:				As-Built Total:				39.6		332.6	
CEILING TYPES Area X BWPM = Points				Type			R-Value	Area X WPM X WCM =		Points	
Under Attic	720.0	2.05	1476.0	1. Under Attic			30.0	720.0	2.05 X 1.00	1476.0	
Base Total:				As-Built Total:				720.0		1476.0	
FLOOR TYPES Area X BWPM = Points				Type			R-Value	Area X WPM =		Points	
Slab	126.0(p)	8.9	1121.4	1. Slab-On-Grade Edge Insulation			0.0	126.0(p)	18.80	2368.8	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:				126.0		2368.8	
INFILTRATION Area X BWPM = Points								Area X WPM =		Points	
								720.0		-0.59 -424.8	
Winter Base Points: 7513.7				Winter As-Built Points: 8178.0							
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)							
7513.7 0.5540 4162.6				8178.0 1.00 1.000 0.521 1.000 4258.1							

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms			Total						
0		2635.00	0.0			0		1.00	2635.00
									1.00
									7905.0
				As-Built Total:					0.0

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Cooling	+	Heating	+
Points		Points		Points		Points	
			Hot Water				Hot Water
			Points				Points
			=				=
			Total				Total
			Points				Points
2475		4163	0	6637	2331	4258	0
							6589

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.3

The higher the score, the more efficient the home.

Stasia Slay, , Lake City, FL,

1. New construction or existing	Addition	___	12. Cooling systems	___
2. Single family or multi-family	Single family	___	a. N/A	___
3. Number of units, if multi-family	1	___	b. N/A	___
4. Number of Bedrooms	___	___	c. N/A	___
5. Is this a worst case?	Yes	___	13. Heating systems	___
6. Conditioned floor area (ft ²)	720 ft ²	___	a. N/A	___
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) 105.0 ft ²	___	14. Hot water systems	___
b. SHGC:	___	___	a. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 60.0 ft ²	___	b. N/A	___
8. Floor types	___	___	c. N/A	___
a. Slab-On-Grade Edge Insulation	R=0.0, 126.0(p) ft	___	15. HVAC credits	___
b. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
c. N/A	___	___	HF-Whole house fan,	___
9. Wall types	___	___	PT-Programmable Thermostat,	___
a. Frame, Wood, Exterior	R=13.0, 605.4 ft ²	___	MZ-C-Multizone cooling,	___
b. N/A	___	___	MZ-H-Multizone heating)	___
c. N/A	___	___		___
d. N/A	___	___		___
e. N/A	___	___		___
10. Ceiling types	___	___		___
a. Under Attic	R=30.0, 720.0 ft ²	___		___
b. N/A	___	___		___
c. N/A	___	___		___
11. Ducts	___	___		___
a. N/A	___	___		___
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: Slay Addition		Family Type: Single		Address Type: Street Address			
	Owner: Stasia Slay		New/Existing: Addition		Lot #: N/A			
	# of Units: 1		Bedrooms: (blank)		Subdivision: N/A			
	Builder Name: Charles Timmons		Conditioned Area: 720		Platbook: N/A			
	Climate: North		Total Stories: 1		Street: (blank)			
	Permit Office: Lake City		Worst Case: Yes		County: Columbia			
Jurisdiction #: (blank)		Rotate Angle: 270		City, St, Zip: Lake City, FL,				
FLOORS	#	Floor Type	R-Val	Area/Perimeter	Units			
	1	Slab-On-Grade Edge Insulation	0.0	126.0(p) ft	1			
DOORS	#	Door Type	Orientation	Area	Units			
	1	Insulated	Exterior	39.6 ft²	1			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	720.0 ft²	720.0 ft²	1		
Credit Multipliers: None								
COOLING	#	System Type	Efficiency	Capacity				
Credit Multipliers: None								
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Frame - Wood	Exterior	13.0	605.4 ft²	1		
HEATING	#	System Type	Efficiency	Capacity				
Credit Multipliers: None								
DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length		
Credit Multipliers: None								
WATER	#	System Type	EF	Cap.	Conservation Type	Con. EF		
REFR.	#	Use Default?	Annual Operating Cost	Electric Rate				
	1	Yes	N/A	N/A				
WINDOWS	#	Panes	Tint	Ornt	Area	OH Length	OH Hgt	Units
	1	Double	Tint	N	45.0 ft²	1.0 ft	6.0 ft	1
	2	Double	Clear	N	30.0 ft²	1.0 ft	6.0 ft	1
	3	Double	Clear	E	30.0 ft²	1.0 ft	6.0 ft	1
MISC	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: 720.0		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

Stasia Slay

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

12/3/2007

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	13475 Btuh	Total cooling load calculation	8366 Btuh

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Stasia Slay

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

Lake City, FL

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

12/3/2007

This calculation is for Worst Case. The house has been rotated 90 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Tint, Metal, 0.87	E	45.0	32.2	1449 Btuh
2	2, Clear, Metal, 0.87	E	30.0	32.2	966 Btuh
3	2, Clear, Metal, 0.87	S	30.0	32.2	966 Btuh
Window Total			105(sqft)		3380 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	605	3.3	1988 Btuh
Wall Total			605		1988 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	513 Btuh
Door Total			40		513 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shin	30.0	720	1.2	848 Btuh
Ceiling Total			720		848 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	126.0 ft(p)	43.7	5501 Btuh
Floor Total			126		5501 Btuh
Zone Envelope Subtotal:					12231 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.32	5760	605	30.7
					1244 Btuh
Ductload	, Supply(R0.0-), Return(R0.0-) (DLM of 0.000)				0 Btuh
Zone #1	Sensible Zone Subtotal				13475 Btuh

WHOLE HOUSE TOTALS(One System Group)

	Subtotal Sensible	13475 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	13475 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Stasia Slay
Lake City, FL

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

12/3/2007

EQUIPMENT

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 - Whole House Component Details

Stasia Slay

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

Lake City, FL

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

12/3/2007

This calculation is for Worst Case. The house has been rotated 90 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Tint, Metal, 0.87	E	45.0	32.2	1449 Btuh
2	2, Clear, Metal, 0.87	E	30.0	32.2	966 Btuh
3	2, Clear, Metal, 0.87	S	30.0	32.2	966 Btuh
Window Total			105(sqft)		3380 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	605	3.3	1988 Btuh
Wall Total			605		1988 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	513 Btuh
Door Total			40		513 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shin	30.0	720	1.2	848 Btuh
Ceiling Total			720		848 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	126.0 ft(p)	43.7	5501 Btuh
Floor Total			126		5501 Btuh
Zone Envelope Subtotal:					12231 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.32	5760	605	30.7
					1244 Btuh
Ductload	, Supply(R0.0-), Return(R0.0-) (DLM of 0.000)				0 Btuh
Zone #1	Sensible Zone Subtotal				13475 Btuh

WHOLE HOUSE TOTALS(One System Group)

	Subtotal Sensible	13475 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	13475 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Stasia Slay
Lake City, FL

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

12/3/2007

EQUIPMENT

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

Residential Window Diversity

MidSummer

Stasia Slay
Lake City, FL

Project Title:
Slay Addition

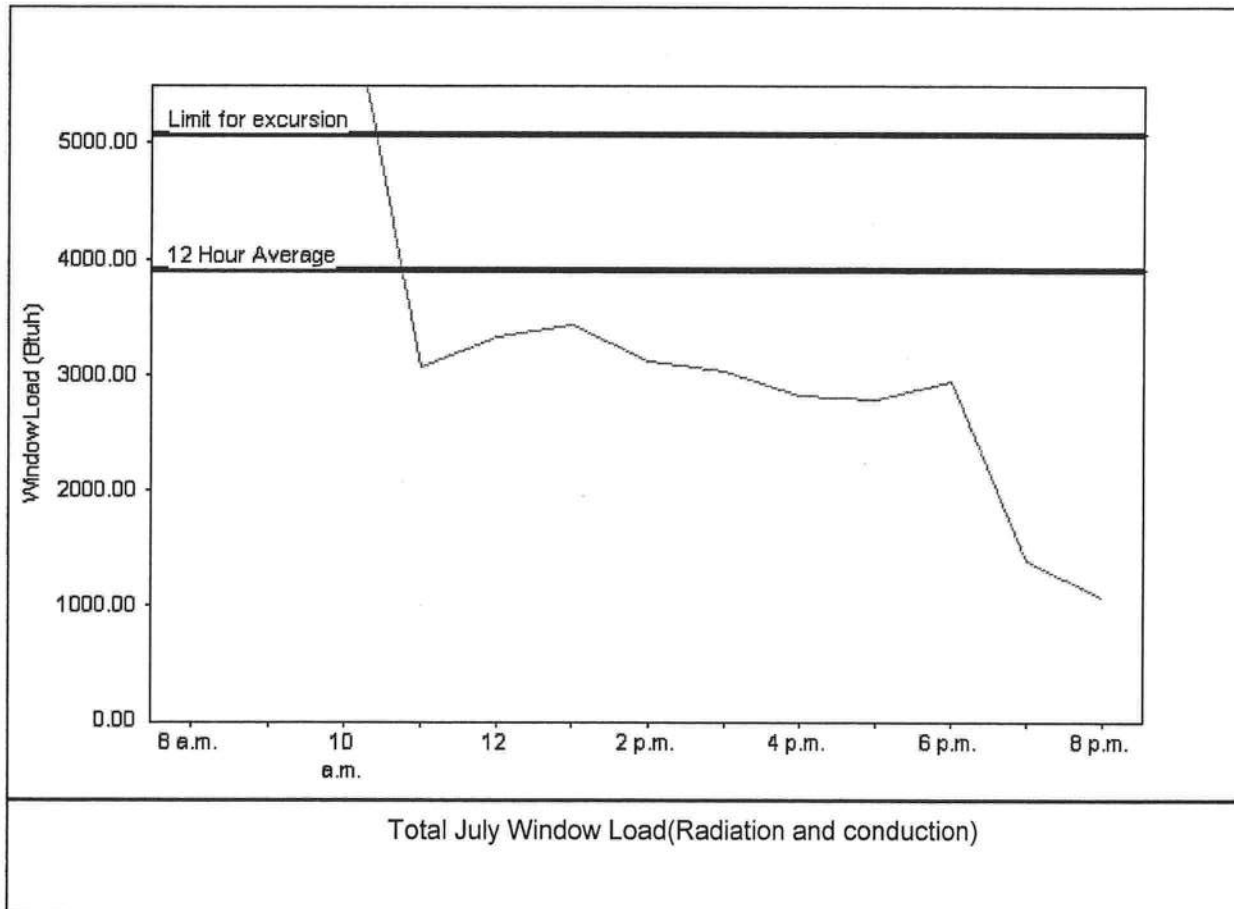
Code Only
Professional Version
Climate: North

12/3/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	3899 Btuh
Summer setpoint	75 F	Peak window load for July	7270 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	5069 Btuh
Latitude	29 North	Window excursion (July)	2202 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: Dellie Motes

DATE: _____



System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Stasia Slay

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 90 degrees.

12/3/2007

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Tint, 0.87, B-D, N,F	E	1ft.	6ft.	45.0	0.0	45.0	16	40	1821 Btuh
2	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	30.0	0.0	30.0	19	55	1663 Btuh
3	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	30.0	30.0	0.0	19	23	560 Btuh
Window Total					105 (sqft)					4045 Btuh
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09		605.4			2.1		1263 Btuh	
Wall Total					605 (sqft)					1263 Btuh
Doors	Type				Area (sqft)		HTM		Load	
1	Insulated - Exterior				39.6		9.8		388 Btuh	
Door Total					40 (sqft)				388 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/Light/Shingle	30.0		720.0			1.3		963 Btuh	
Ceiling Total					720 (sqft)					963 Btuh
Floors	Type	R-Value		Size			HTM		Load	
1	Slab On Grade	0.0		126 (ft(p))			0.0		0 Btuh	
Floor Total					126.0 (sqft)					0 Btuh
Zone Envelope Subtotal:										6659 Btuh
Infiltration	Type	ACH		Volume(cuft) wall area(sqft)			CFM=		Load	
	SensibleNatural	0.16		5760 605			15.4		286 Btuh	
Internal gain	Occupants		Btuh/occupant			Appliance		Load		
	2		X 230 +			0		460 Btuh		
Sensible Envelope Load:										7404 Btuh
Duct load	, Supply(R0.0-), Return(R0.0-)								(DGM of 0.000)	0 Btuh
Sensible Zone Load										7404 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Stasia Slay
Lake City, FL

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

12/3/2007

WHOLE HOUSE TOTALS(One System Group)

Whole House Totals for Cooling	Sensible Envelope Load All Zones	7404 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	7404 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	7404 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	561 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	961 Btuh
	TOTAL GAIN	8366 Btuh

EQUIPMENT

*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 - Whole House Component Details

Stasia Slay

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 90 degrees.

12/3/2007

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Tint, 0.87, B-D, N,F	E	1ft.	6ft.	45.0	0.0	45.0	16	40	1821 Btuh
2	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	30.0	0.0	30.0	19	55	1663 Btuh
3	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	30.0	30.0	0.0	19	23	560 Btuh
Window Total					105 (sqft)					4045 Btuh
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			605.4		2.1		1263 Btuh	
Wall Total					605 (sqft)				1263 Btuh	
Doors	Type				Area (sqft)		HTM		Load	
1	Insulated - Exterior				39.6		9.8		388 Btuh	
Door Total					40 (sqft)				388 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load	
1	Vented Attic/Light/Shingle	30.0			720.0		1.3		963 Btuh	
Ceiling Total					720 (sqft)				963 Btuh	
Floors	Type	R-Value			Size		HTM		Load	
1	Slab On Grade	0.0			126 (ft(p))		0.0		0 Btuh	
Floor Total					126.0 (sqft)				0 Btuh	
Zone Envelope Subtotal:									6659 Btuh	
Infiltration	Type	ACH			Volume(cuft)		wall area(sqft)		CFM=	Load
SensibleNatural		0.16			5760		605		15.4	286 Btuh
Internal gain	Occupants			Btuh/occupant		Appliance		Load		
		2			X 230 +		0		460 Btuh	
Sensible Envelope Load:									7404 Btuh	
Duct load	, Supply(R0.0-), Return(R0.0-)							(DGM of 0.000)		0 Btuh
Sensible Zone Load									7404 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Stasia Slay
Lake City, FL

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

12/3/2007

WHOLE HOUSE TOTALS(One System Group)

Whole House Totals for Cooling	Sensible Envelope Load All Zones	7404 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	7404 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	7404 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	561 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	961 Btuh
	TOTAL GAIN	8366 Btuh

EQUIPMENT

*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



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 8-8 SINGLE AND DOUBLE
W/ WOUT 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 BUMPS 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 UNITS.

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 $F_y(\text{min.}) = 36,438 \text{ psi}$
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 jointed pine stiles. Wood end rails are butt jointed and the entire unit is filled 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 jointed 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 jointed 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 Bumpless threshold, either Low Profile or High Water Dam.

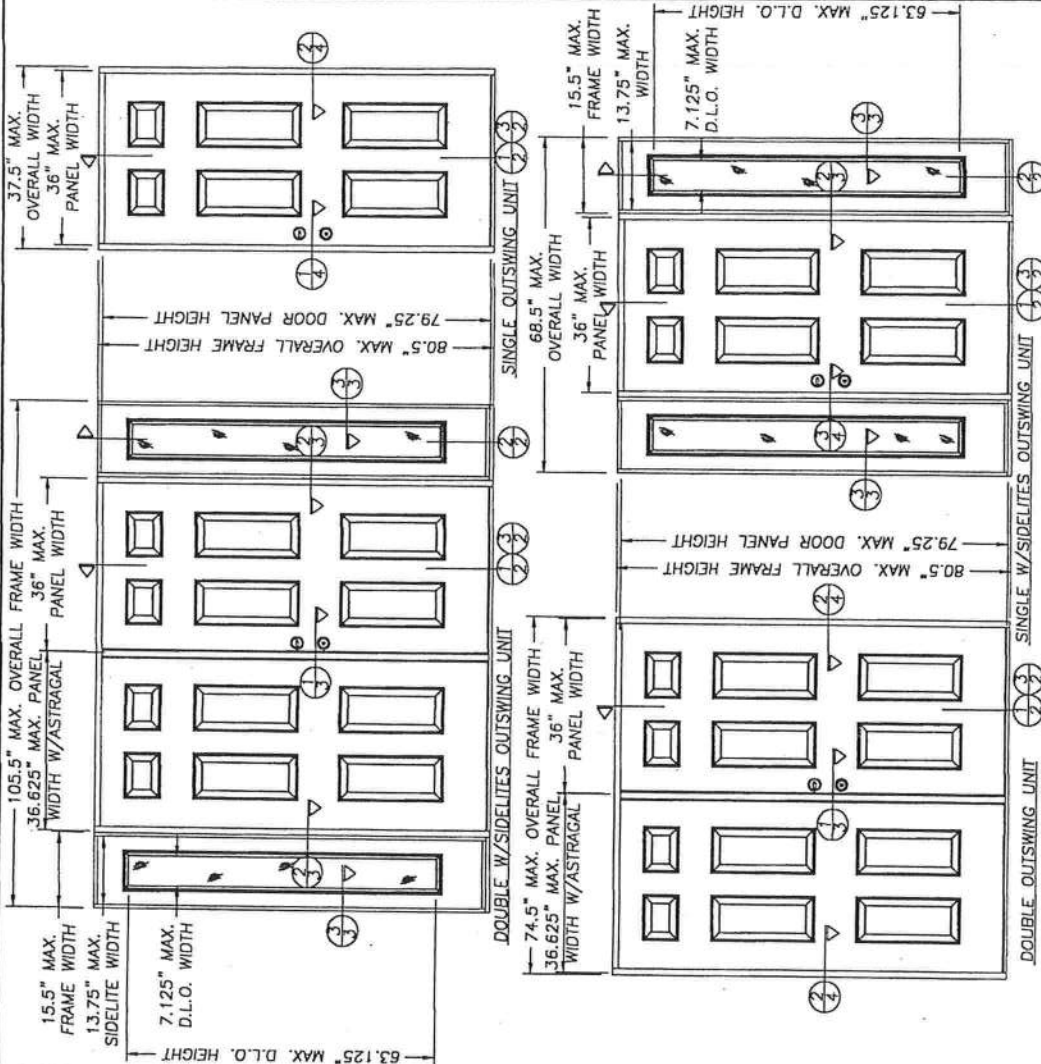
TABLE OF CONTENTS

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 DAM 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	

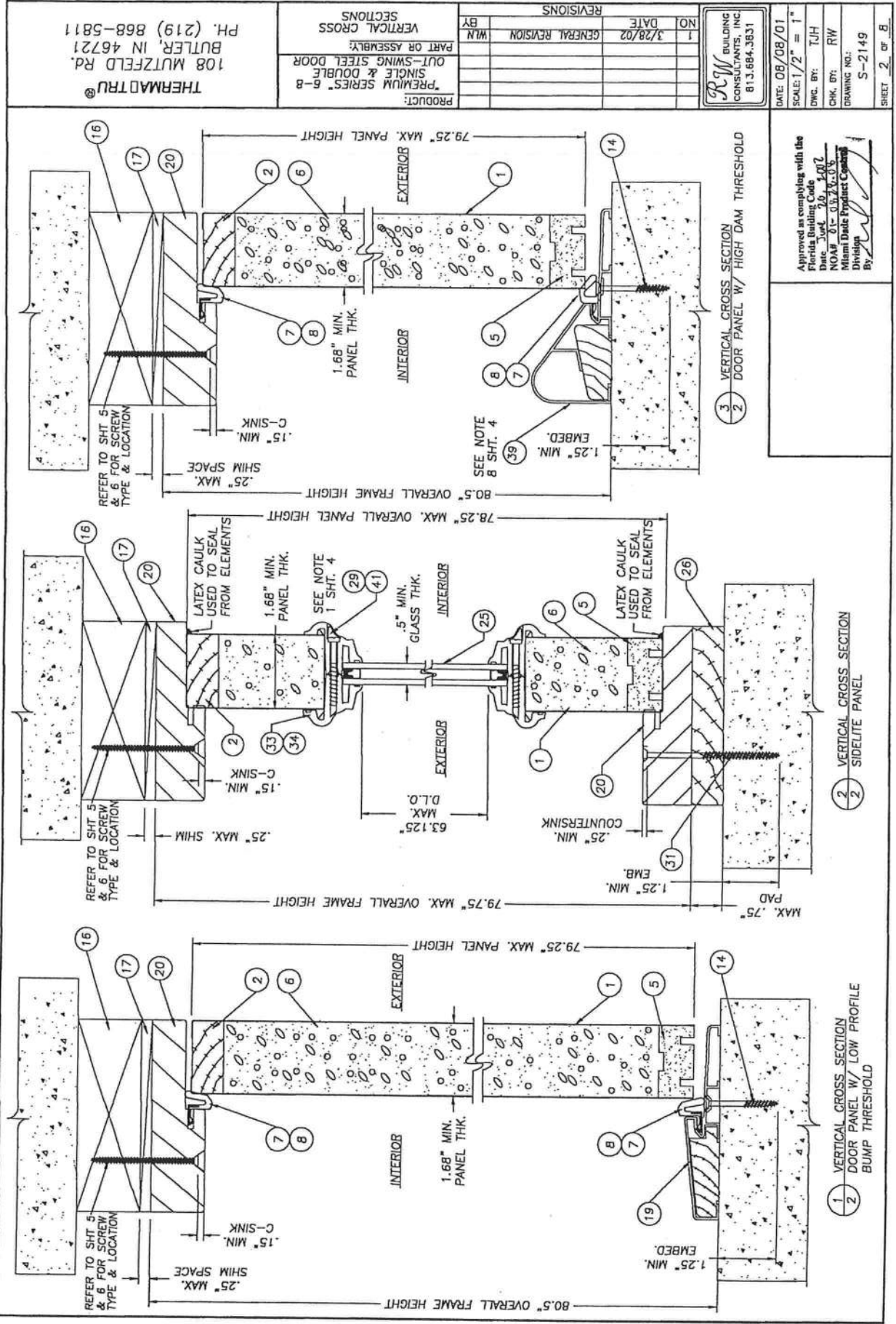
Approved as complying with the
Florida Building Code
Date: June 30, 2002
NOA# 02-0026-00
Miami Dade Product Control
By: [Signature]

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



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

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

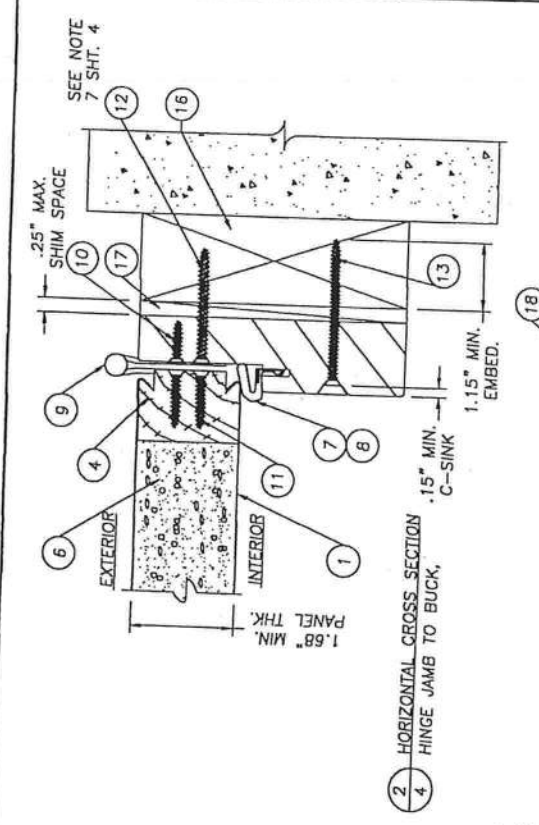
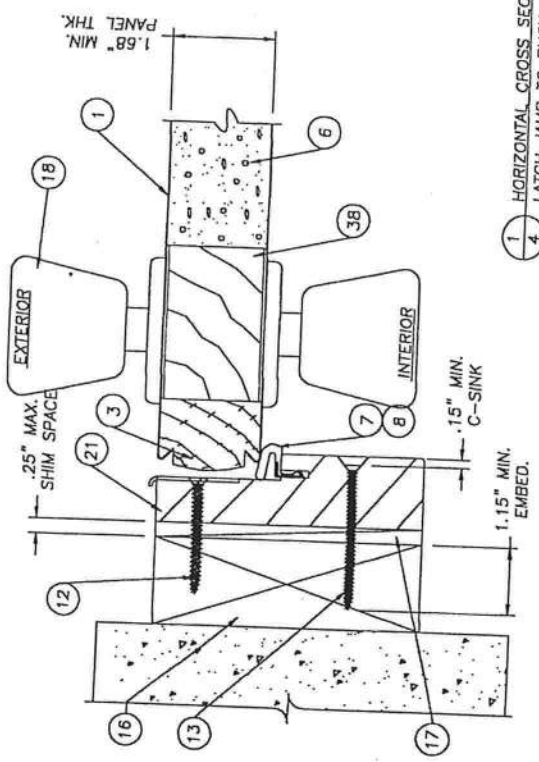


THERMADTRU®
 108 MUTZFELD RD.
 BUTLER, IN 46721
 PH. (219) 868-5811

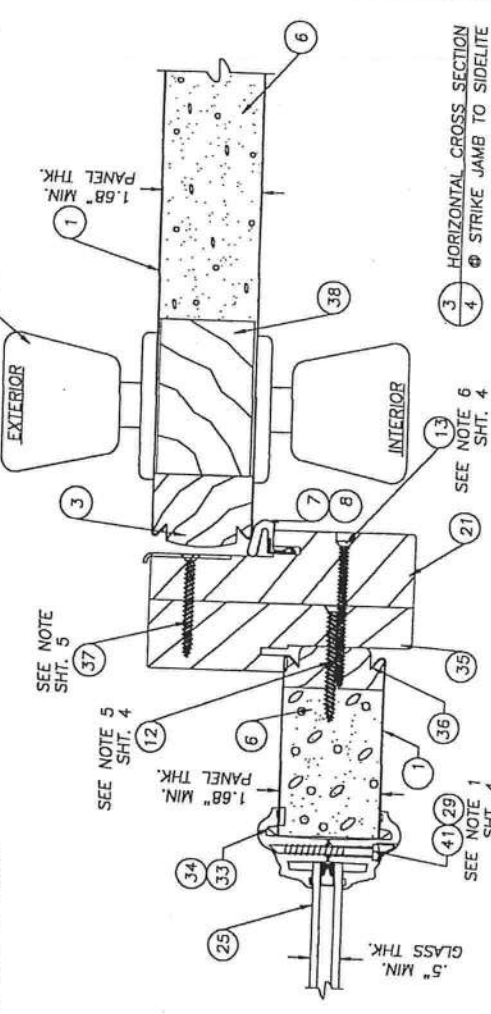
REVISIONS		PART OR ASSEMBLY	
NO.	DATE	BY	DATE
1	3/28/02	WIN	
GENERAL REVISION		OUT-SWING STEEL DOOR	
PRODUCT:		PREMIUM SERIES™ 6-8	
VERTICAL CROSS SECTIONS			

BUILDING CONSULTANTS, INC.
 813.684.3831
 DATE: 08/08/01
 SCALE: 1/2" = 1"
 DWG. BY: TJH
 CHK. BY: RW
 DRAWING NO.: S-2149
 SHEET 2 OF 8

Approved as complying with the
 Florida Building Code
 Chapter 9, Section 907.2
 NOM 01-03.2-06
 Miami Trade Product Council
 Division
 By:



- NOTES:
- SPACING FOR ITEM #29 & #41 (LITE FRAME SCREWS) IS AS FOLLOWS: FROM THE TOP DOWN ON SIDES: 3", 14.75", 26.5", 38.25", 50.5" & 62.25". THERE IS (1) SCREW BOTH TOP AND BOTTOM AT 4.25" IN FROM CORNER.
 - SPACING FOR ITEM #27 #8 x 1" PANHEAD SCREW ATTACHING THE ASTRAGAL TO THE INACTIVE DOOR IS AS FOLLOWS: FROM THE BOTTOM UP AND TOP DOWN 1", 3", 5", 26" AND (1) MORE 6" UP FROM THE STRIKE LOCATION.
 - THE HEAD JAMB IS ATTACHED TO THE SIDE JAMBS WITH (3) 16GA. x 1/2" CROWN x 2" STAPLES AT BOTH SIDE.
 - THE THRESHOLD IS ATTACHED TO THE SIDE JAMBS WITH (2) 16GA. x 1/2" CROWN x 2.5" STAPLES AT BOTH SIDE.
 - THE SIDELITE IS DIRECT SET INTO THE JAMB WITH ITEM #12 #10 x 2" PH.F.H. WOOD SCREW AT 6" DOWN FROM EACH CORNER AND A MAX. OF 12" O.C. ON THE SIDE JAMBS ONLY.
 - SPACING FOR ITEM #13, A #8 x 2 1/2" SCREW SECURING THE MULLIONS TOGETHER IS THE SAME AS THE PERIMETER ANCHORING SCREWS. 6" DOWN FROM THE TOP AND UP FROM THE BOTTOM WITH (4) MORE SPACED AT 13.7" O.C.
 - WHEN ATTACHING THE HINGE TO THE JAMB AND THE BUCK USE ITEM #12 A #10 x 2" SCREW. WHEN ATTACHING THE HINGE TO THE JAMB AND THE SIDELITE AT THE MULLION USE ITEM #37 A #10 x 1 3/4" SCREW.
 - ITEM #39, THE HIGH DAM THRESHOLD IS ONLY USED IN AN APPLICATION WHERE A HIGHER WATER PRESSURE MUST BE ACHIEVED.



3 HORIZONTAL CROSS SECTION
4 STRIKE JAMB TO SIDELITE

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: July 19, 2002
NOAH 01-05-15-05
Miami Trade Project Control
Division
By: [Signature]

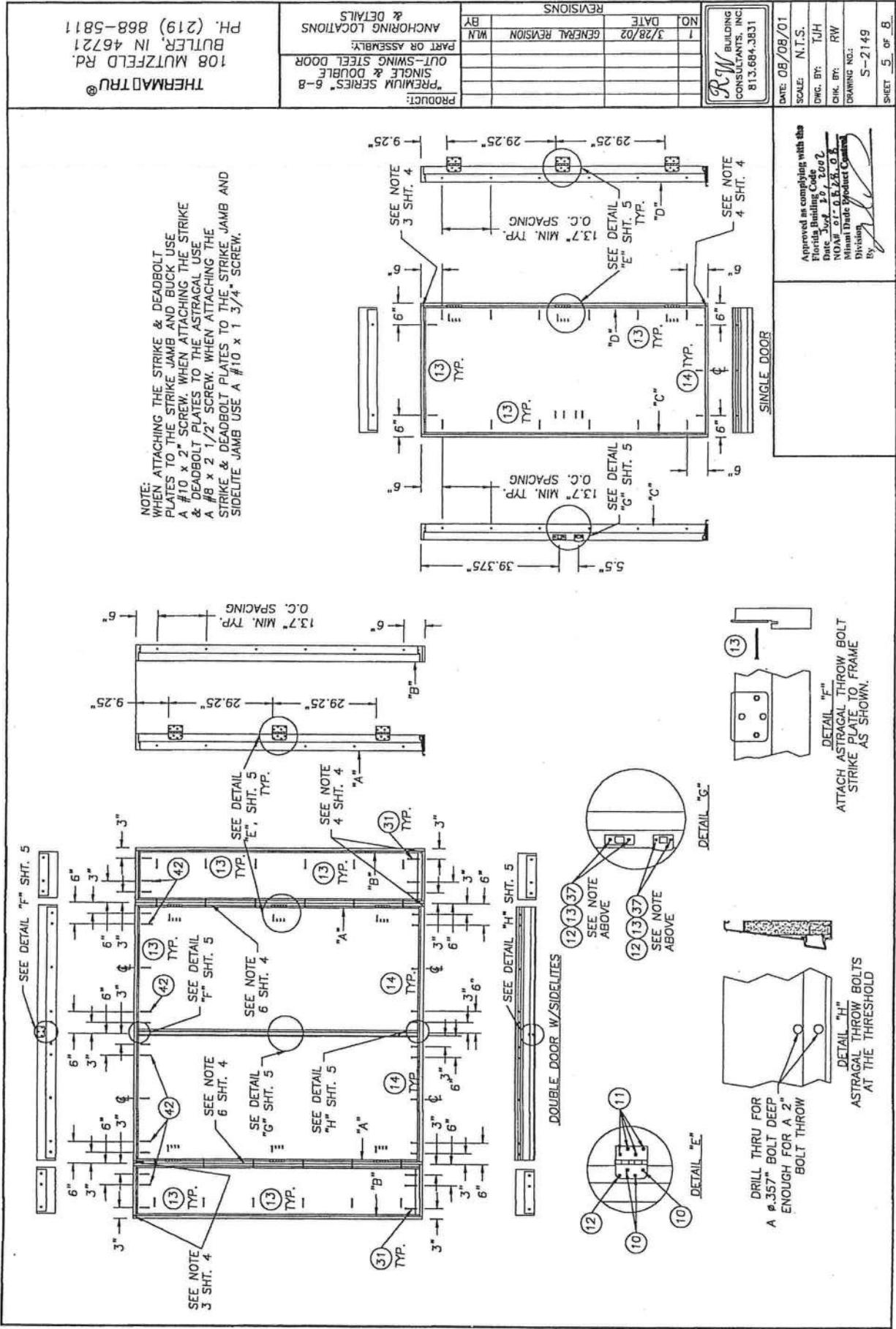
REVISIONS

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

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

HORIZONTAL CROSS SECTIONS & NOTES

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



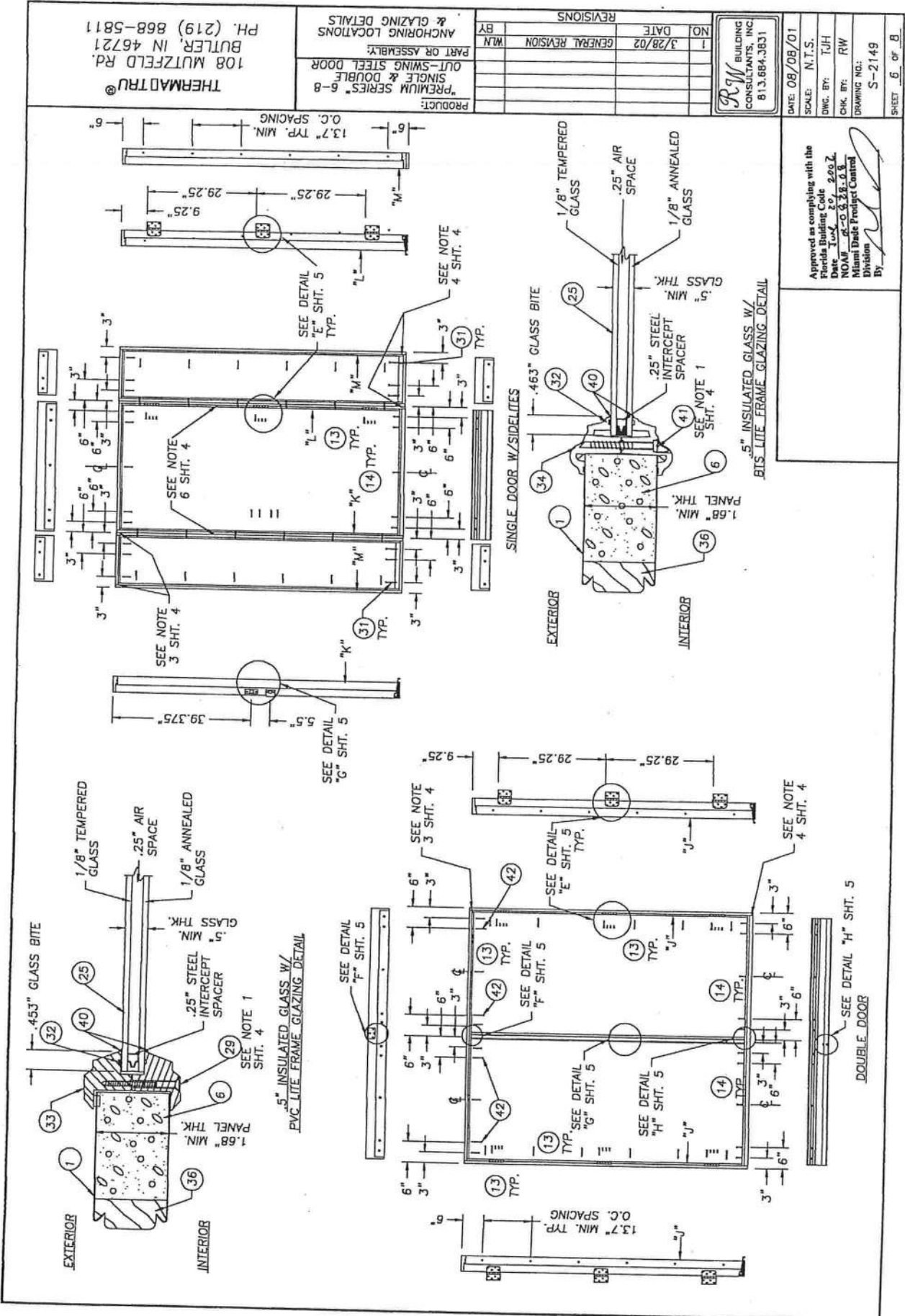
THERMADORA®
 108 MUTZFELD RD.
 BUTLER, IN 46721
 PH. (219) 868-5811

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

RW BUILDING
 CONSULTANTS, INC.
 813.684.3831

DATE: 08/08/01	SCALE: N.T.S.
DWG. BY: TJH	CHK. BY: RW
DRAWING NO.: S-2149	SHEET 5 OF 8

Approved as complying with the
 Florida Building Code
 Date: July 26, 2002
 NOM. 01-05-28-06
 Miami Trade Product Council
 Division
 By:



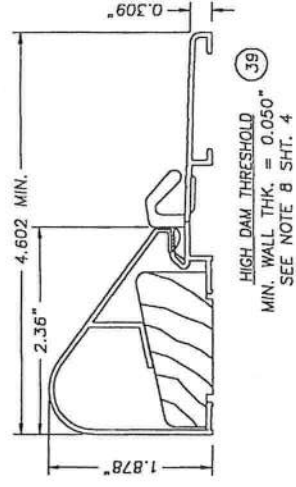
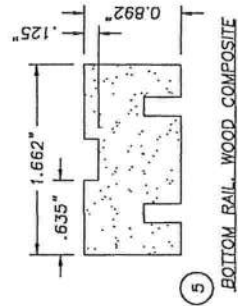
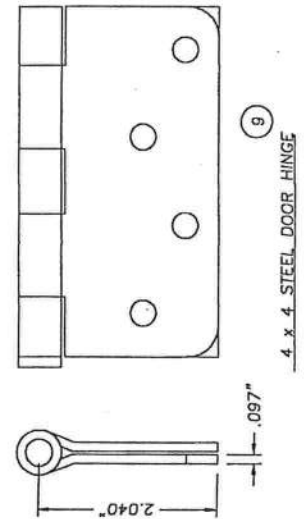
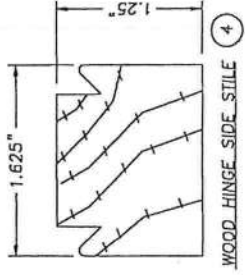
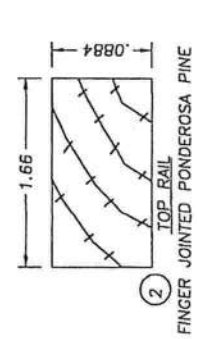
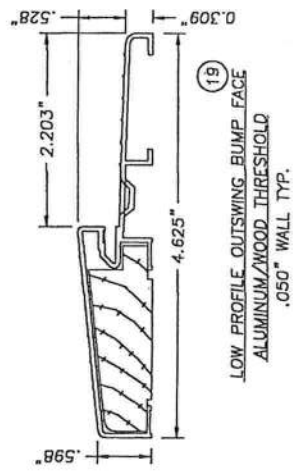
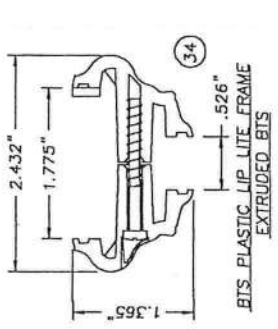
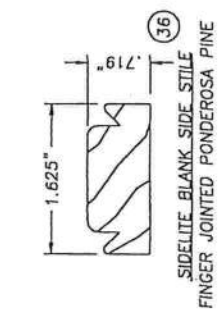
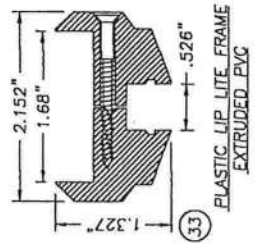
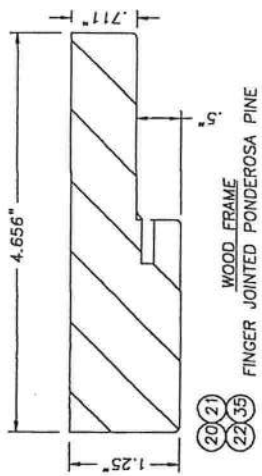
DATE: 08/08/01
SCALE: N.T.S.
DWG. BY: T.J.H.
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 6 OF 8

Approved as complying with the
Florida Building Code 2002
Date: 10/03/01
By: [Signature]
R.W. ROBERTSON & SONS, INC.
Miami Trade Product Control
Division

REVISIONS
NO. DATE DESCRIPTION
1 3/28/02 GENERAL REVISION
BY: WLN

PRODUCT:
"PREMIUM SERIES" 6-8
SINGLE & DOUBLE
OUT-SWING STEEL DOOR
PART OR ASSEMBLY
ANCHORING LOCATIONS
& GLAZING DETAILS

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



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

Approved as complying with the
Florida Building Code
Date: 10-11-02
NOAM on 08-08-01
Miant Dade Product Center
Division
By: *[Signature]*

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

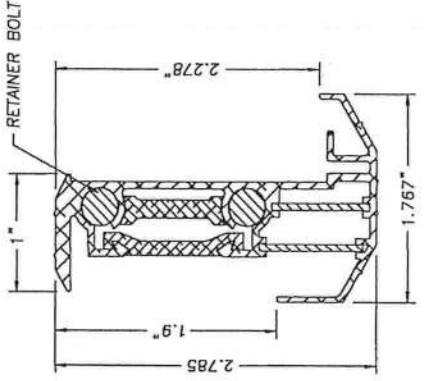
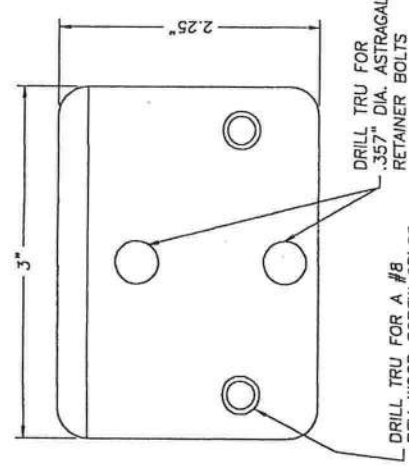
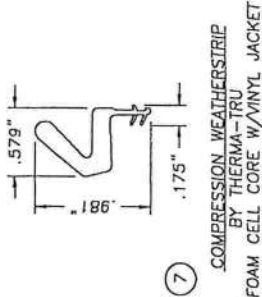
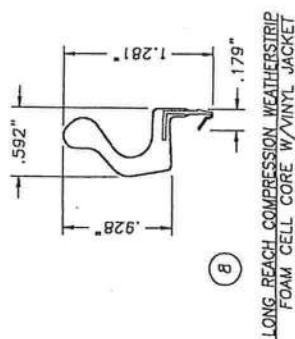
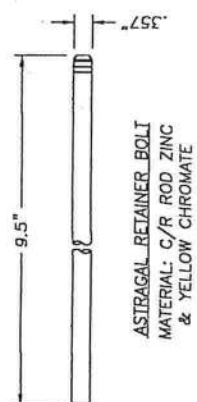
RW BUILDING
CONSULTANTS, INC.
813.684.3831

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

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

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

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 1.66" x 1.253")	WOOD
4	HINGE STILE (THERMA-TRU, PONDEROSA PINE 1.625" x 1.25")	WOOD
5	BOTTOM RAIL (1.662" x 0.892" 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 .097" 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	WOOD
19	ONE PRICE BUMP FACE THRESHOLD LHM PROFILE (THERMA-TRU)	ALUM./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	WOOD
24	ASTRAGAL WINDJAMBER II WR68T (.052" WALL)	ALUM.
25	GLAZING, 1/2" INSULATED TEMPERED GLASS	GLASS
26	3/4" THK. PRESSURE TREATED SIDELITE PAD	WOOD
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)	STEEL
33	PLASTIC UP LITE FRAME (PVC, THERMA-TRU)	PVC
34	PLASTIC UP LITE FRAME (BITS, THERMA-TRU)	BITS
35	4.656" BLANK JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
36	SIDELITE SIDE STILE (THERMA-TRU, 1.625" x .719" PONDEROSA PINE)	WOOD
37	#10 x 1 3/4" LG. PFH WOOD SCREW	STEEL
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	
BY		REVISIONS	
WIN	GENERAL REVISION		

BW BUILDING CONSULTANTS, INC.
613.684.3831

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: 8/8/01
By: [Signature]
NDAI - 01-08-28-03
Miami Date Product Control
Division
By: [Signature]



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: None

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

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

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

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

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

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



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

Page 1

MI Home Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

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

B. TESTS

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

C. CALCULATIONS

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

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

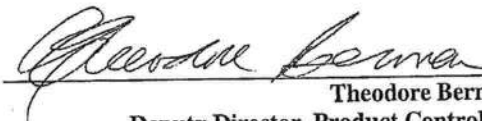
1. None.

F. STATEMENTS

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

G. OTHER

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



Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-1215.02

Expiration Date: March 04, 2009

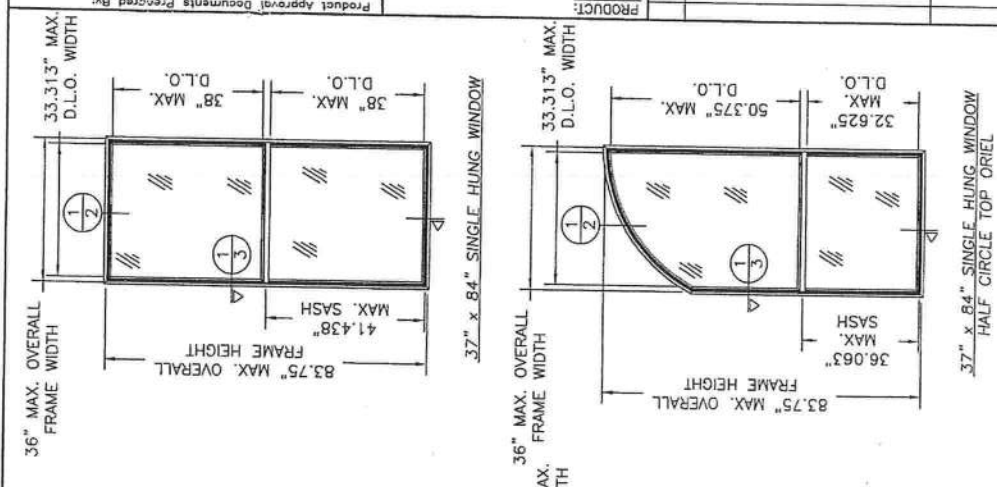
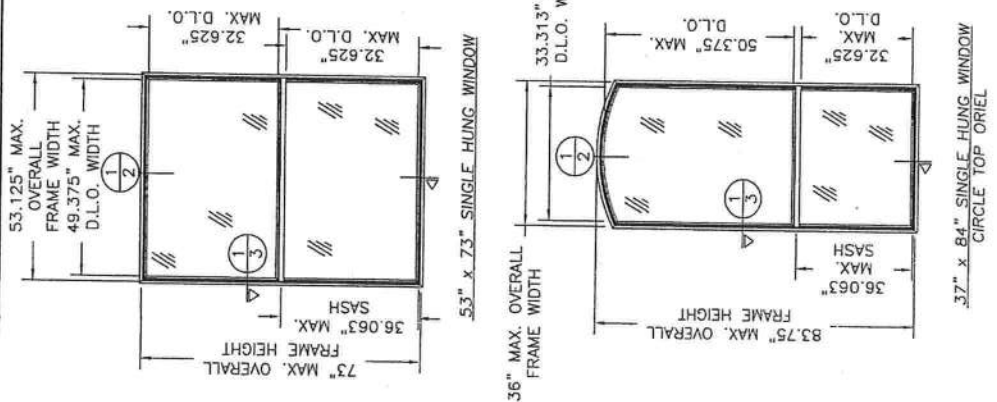
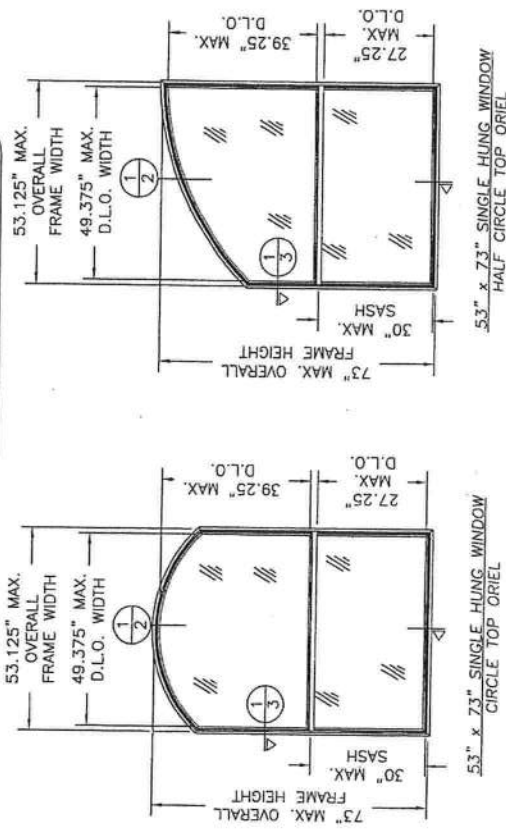
Approval Date: March 04, 2004

MI HOME PRODUCTS
SERIES BETTERBILT D185SH/D3185SH
ALUMINUM SINGLE HUNG WINDOW

650 WEST MARKET STREET • GRATZ, PA • 17030-0370

- 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.



DESIGN PRESSURE RATINGS (PSF)				
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	

TABLE OF CONTENTS	
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

Approved as complying with the
 Florida Building Code
 Date: 03/04/04
 By: [Signature]
 N/Air 05-145-02
 Manual Pests Product Control
 By: [Signature]

Product Approval Documents Prepared By:

 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Vero Beach, FL 33595
 Phone No.: 813.889.9197
 Certificate of Registration No. 0813
 Florida Board of Professional Engineers
 2/10/04

REVISIONS
 NO. DATE
 1 01/04
 2 2/10/04
 3 03/04/04
 4 03/04/04
 5 03/04/04
 6 03/04/04
 7 03/04/04
 8 03/04/04
 9 03/04/04
 10 03/04/04
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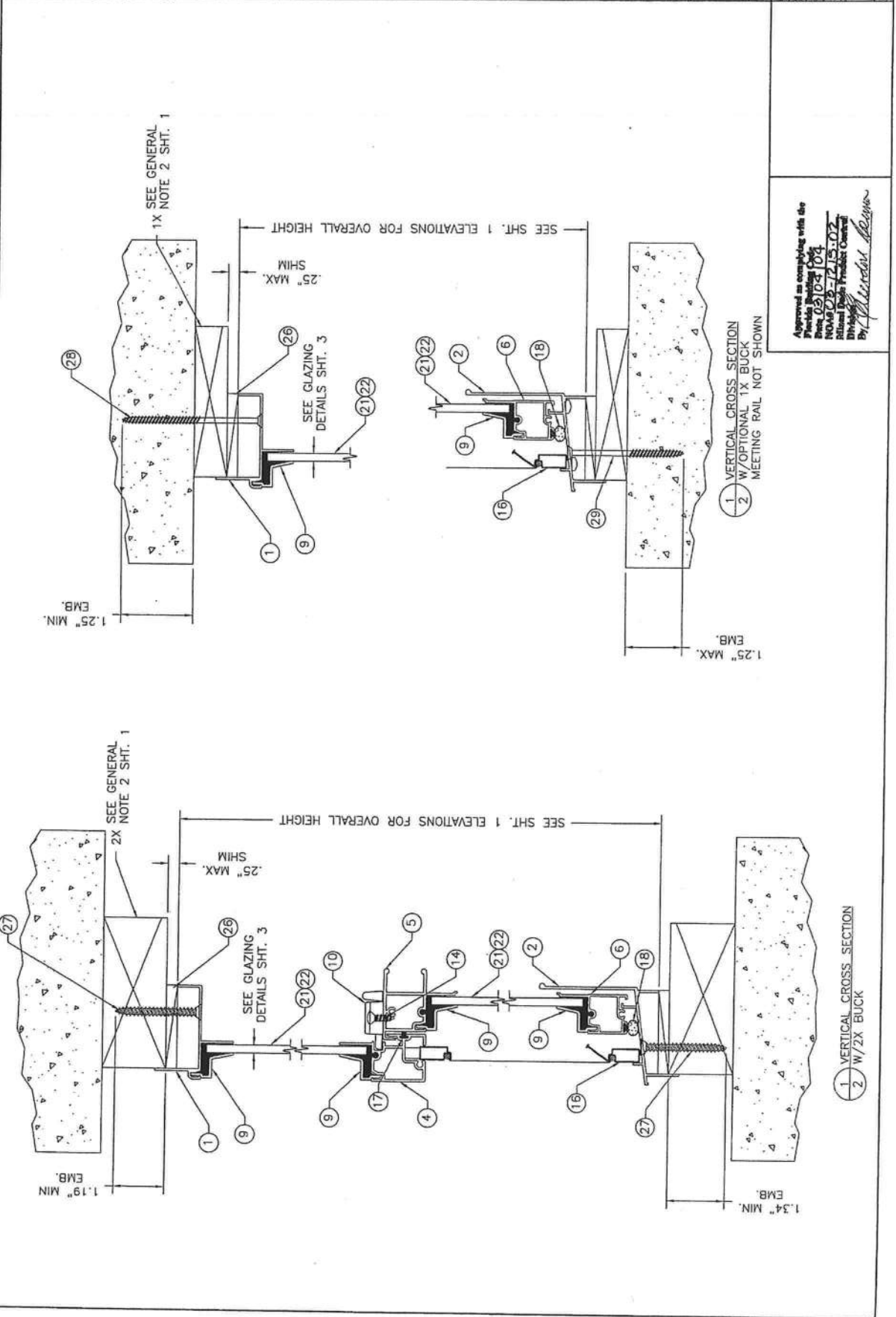
GENERAL NOTES & TYPICAL ELEVATIONS
 PART OR ASSEMBLY
 NON-IMPACT SINGLE HUNG WINDOW RECTANGLE
 CIRCLE TOP & ORIEL
 DATE
 BY
 WH
 RW

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice, FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
 2/10/04
 Model No. 54158

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

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

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

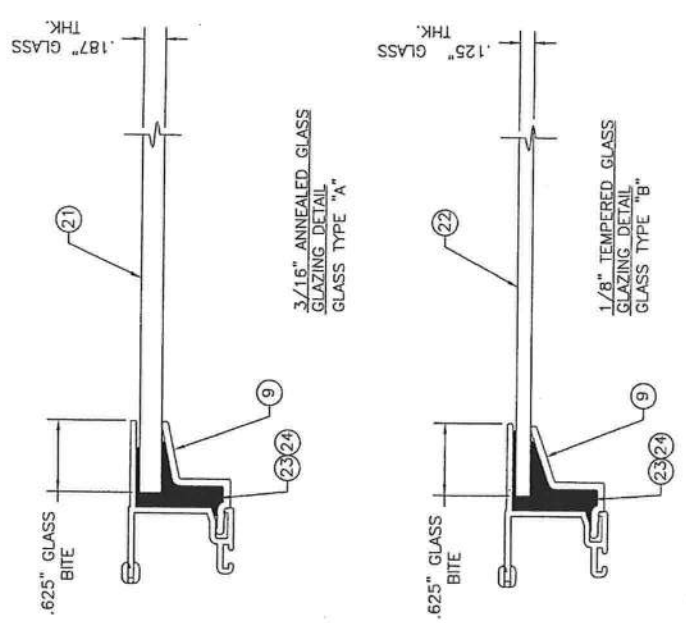


Approved as complying with the
 Florida Building Code
 Date: 03/04/04
 Name: 03-1215-02
 Registered Professional Engineer
 By: [Signature]

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice FL 33595
 Phone No.: 813.559.9197
 Florida Board of Professional Engineers
 Certificate of Registration No. 9813
 2/10/04
 Wendell Heilig, P.E. NO. 54158

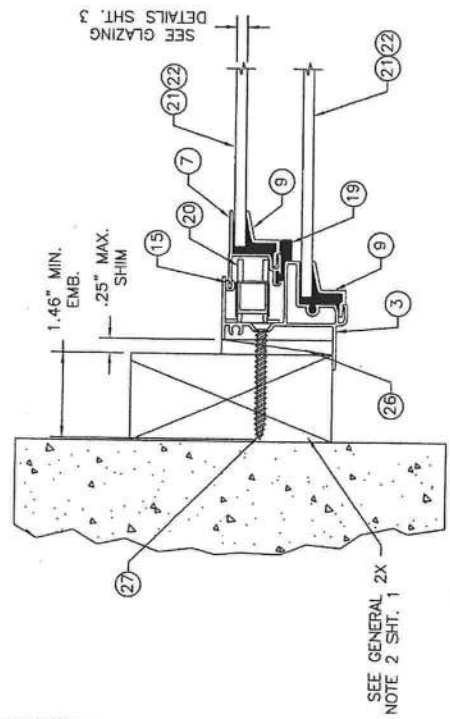
REVISIONS	
NO.	DATE
2	2/10/04
1	01/04
CORRECT DP TABLE	
REVISED PER DADG LETTER	
BY	
RW	
PART OR ASSEMBLY:	
NON-IMPACT SINGLE HUNG	
WINDOWS RECTANGLE	
CIRCLE TOP & CIRCLE	
HORIZONTAL CROSS SECTIONS	
& GLAZING DETAILS	

DATE: 10/27/03	SCALE: N.T.S.
DWG. BY: TJH	CHK. BY: RW
DRAWING NO.: S-2422	SHEET 3 OF 5

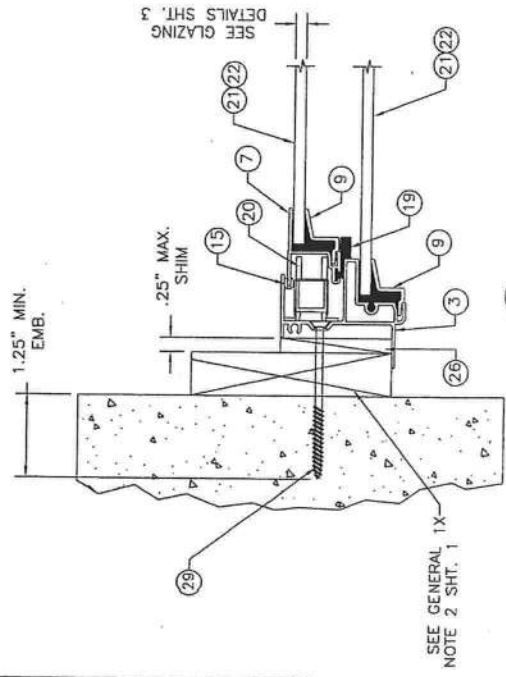


NOTES:
 1. THE MAIN FRAME HEAD, SIDES AND SILL ARE CONNECTED TOGETHER AT EACH CORNER WITH (2) ITEM #11, A #8 x 3/4" PHILLIPS PAN HEAD SCREW. THE SCREWS RUN FROM THE HEAD DOWN INTO THE SIDES AND FROM THE SILL UP INTO THE SIDES.
 2. THE FIXED MEETING RAIL IS SECURED TO THE SIDES WITH (2) EACH SIDE ITEM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

Approved as complying with the
 Florida Building Code
 Date: 03/04/04
 N/AW 03-125-02
 Miami-Dade Product Control
 Division
 By: [Signature]



1 HORIZONTAL CROSS SECTION
 3 W/2X BUCK



1 HORIZONTAL CROSS SECTION
 3 W/1X BUCK

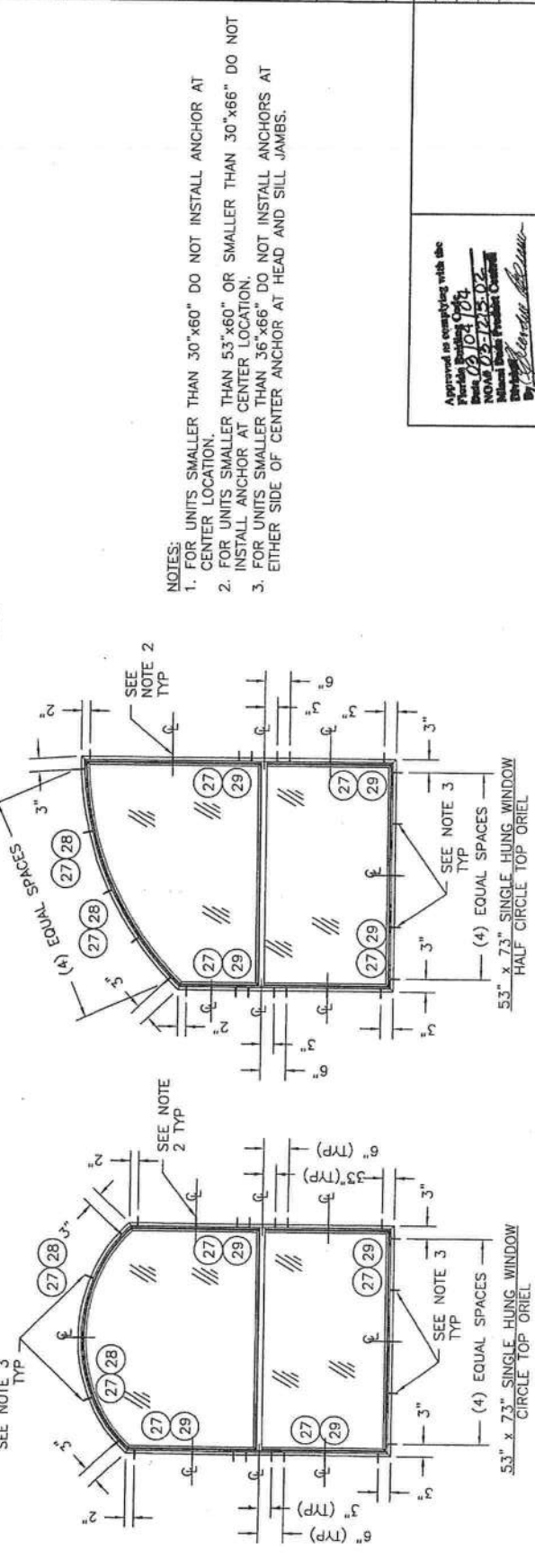
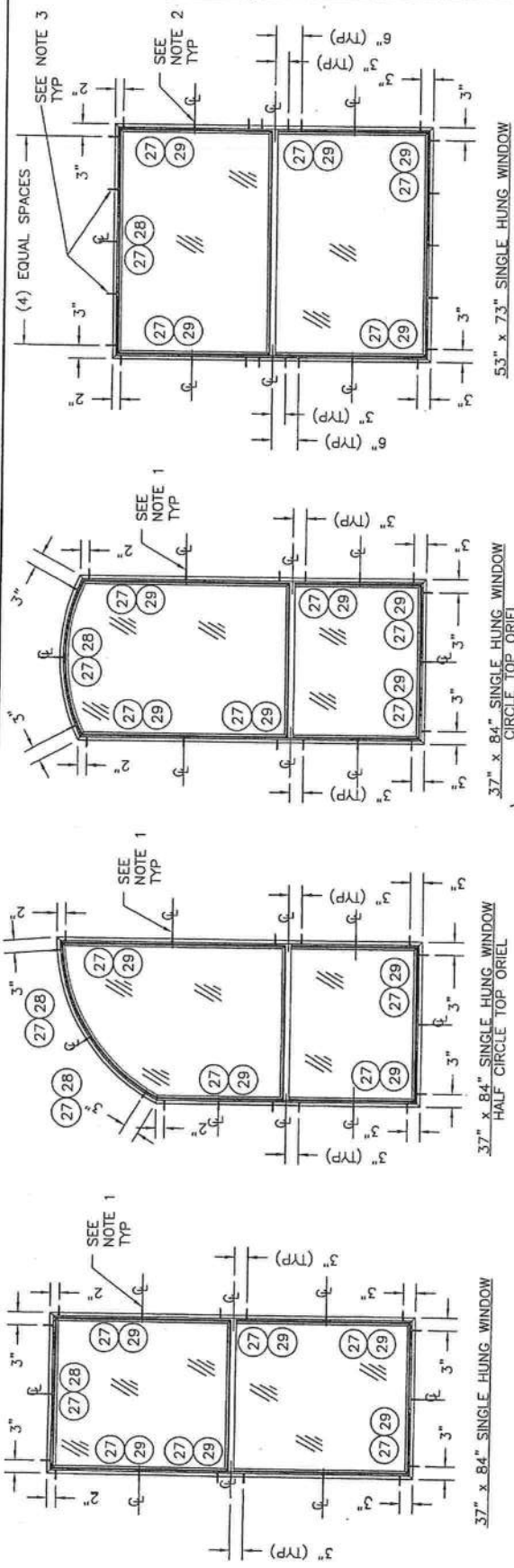
1 HORIZONTAL CROSS SECTION
 3 SHOWING SASH CAM
 MASONRY & BUCK NOT SHOWN

Product Approval Documents Prepared By:
RM
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice FL 33595
 Phone No: 813.552.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
 2/10/04
 Wendell Hooley, P.E. No. 54158

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

NO	DATE	REVISIONS
1	01/04	REVISED PER DATE LETTER
2	2/10/04	CORRECT DP TABLE
BY	WH	RW

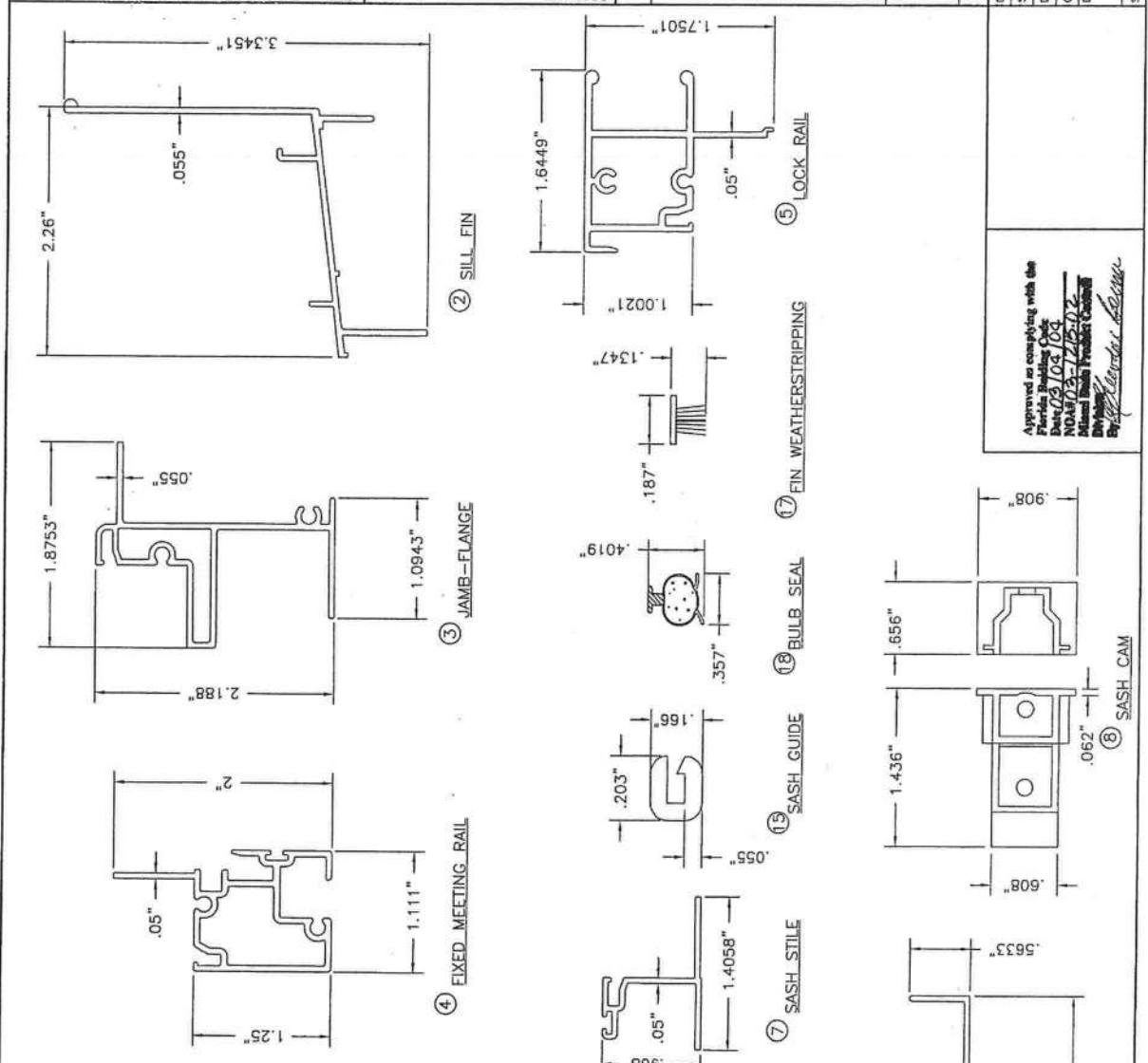
DATE: 10/27/03
 SCALE: N.T.S.
 DMC BY: T.J.H.
 CHK BY: RW
 DRAWING NO: S-2422
 SHEET 4 OF 5



- 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
 2003 Edition
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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" SOL GLAZED 3/16" ANN. BY GUARDIAN	-
22	GLASS "B" SOL GLAZED 1/8" TEMP. BY GUARDIAN	-
23	BACKBEDDING #SM-2100 BY SCHNEE MOREHEAD	SILICONE
24	BACKBEDDING PURFECTGLAZE-H (HOTMELT)	-
25	GLASS SHIM 1/8" x 1/4" x 1" BY SECON	-
26	1/4" MAX SHIM	-
27	#12 X 2" PHILLIPS FLAT HEAD SHEET METAL SCREW	STEEL
28	3/16" x 3 1/4" ELCO TAPCON ANCHOR	STEEL
29	3/16 x 2 3/4" ELCO TAPCON ANCHOR	STEEL



Product: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & OREIL

Part or Assembly: BILL OF MATERIALS & UNIT COMPONENTS

By: [Signature]

Wendell H. Hines, P.E. NO. 33156
2/10/04

Florida Board of Professional Engineers
Certificate of Authorization No. 9813
P.O. Box 230 Vero Beach, FL 33595
Phone No. 813.659.9197
BUILDING CONSULTANTS, INC.

DATE: 10/27/03

SCALE: N.T.S.

DWG. BY: TJH

CHK. BY: RW

DRAWING NO.: S-2422

SHEET 5 OF 5

Approved as complying with the
Florida Building Code
Date: 03/03/04
NO. 03-145-02
Miami Trade Product Council
By: [Signature]

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 www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			FL 4242-R
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			FL 5108
1. Single hung			FL 5451
2. Horizontal Slider			
3. Casement			
4. Double Hung			FL 5418
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			FL 889-R2
1. Siding			FL 4899
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			FL 3820-R1
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			FL 586-R2
1. Asphalt Shingles			FL 1814-R1
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			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
Liquid Applied Roof Sys			
1. Cements-Adhesives - Coatings			FL 1960-R1
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			FL 451-R1
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			FL 474-R1
2. Truss plates			
3. Engineered lumber			FL 1008-R1
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

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: None

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

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

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

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

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

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



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

MI Home Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

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

B. TESTS

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

C. CALCULATIONS

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

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

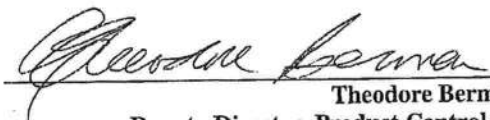
1. None.

F. STATEMENTS

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

G. OTHER

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



Theodore Berman, P.E.

Deputy Director, Product Control Division

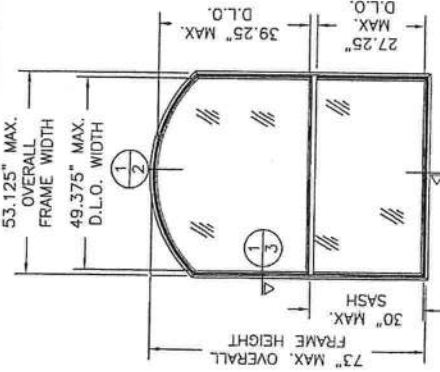
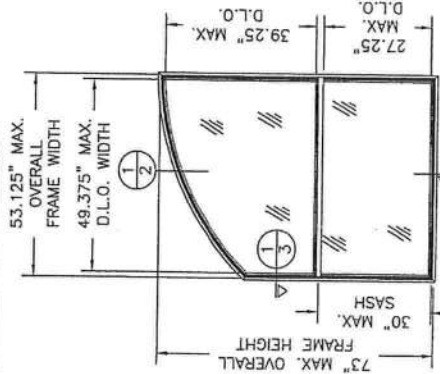
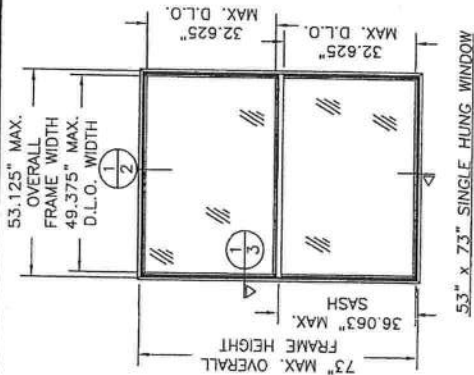
NOA No 03-1215.02

Expiration Date: March 04, 2009

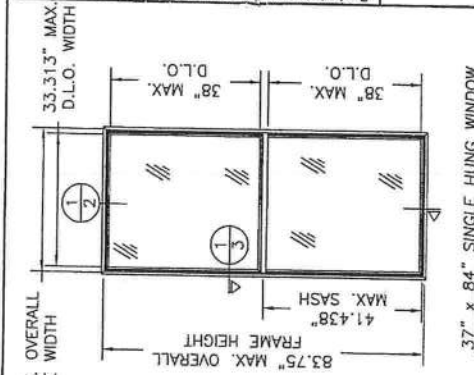
Approval Date: March 04, 2004

MI HOME PRODUCTS
 650 WEST MARKET STREET • 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
 HALF 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 meeting with the
 Florida Building Code
 Date: 03/03/04
 Name: 03-115-02
 Miami-Dade Product Council
 By: [Signature]
 S-2422

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

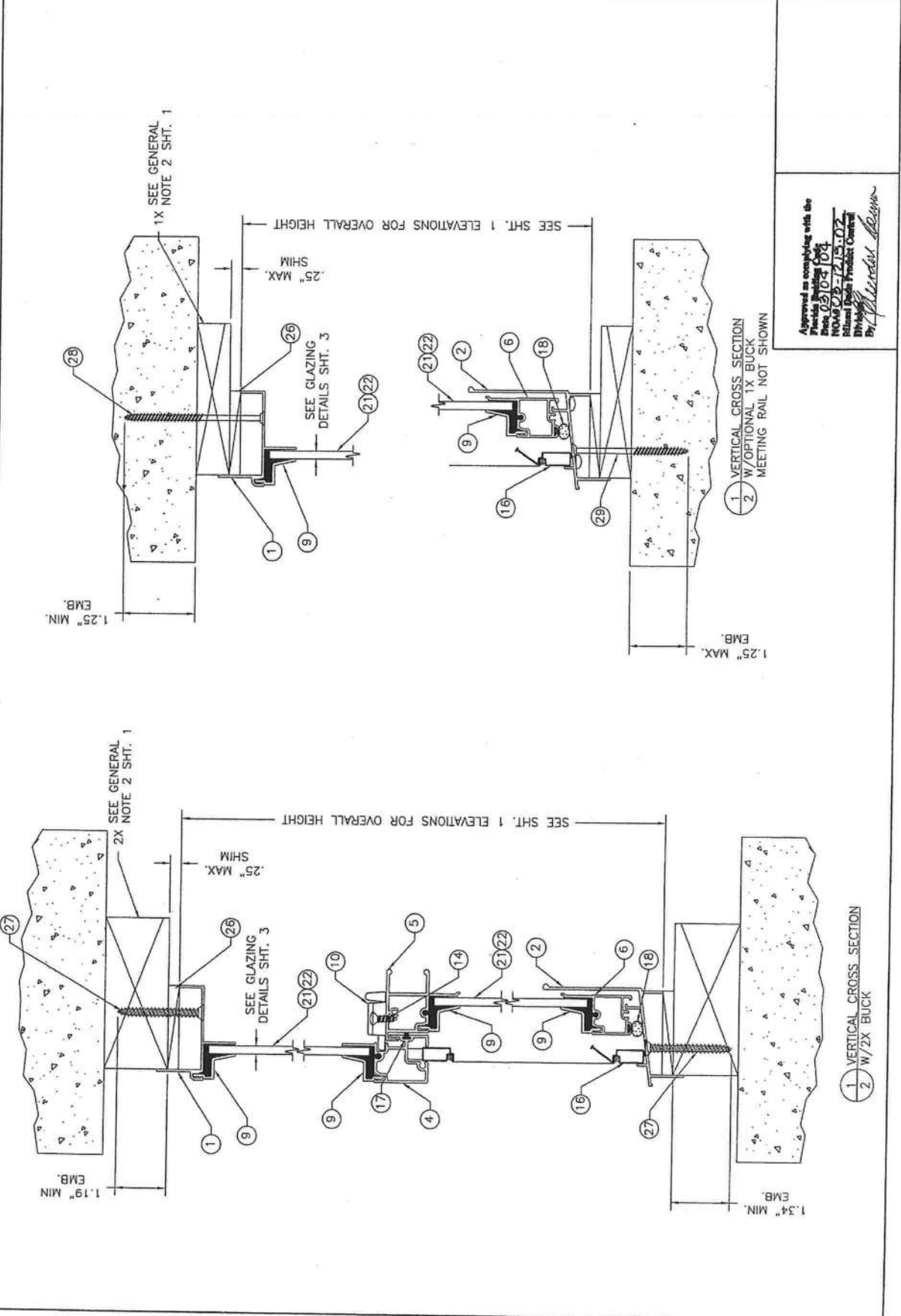
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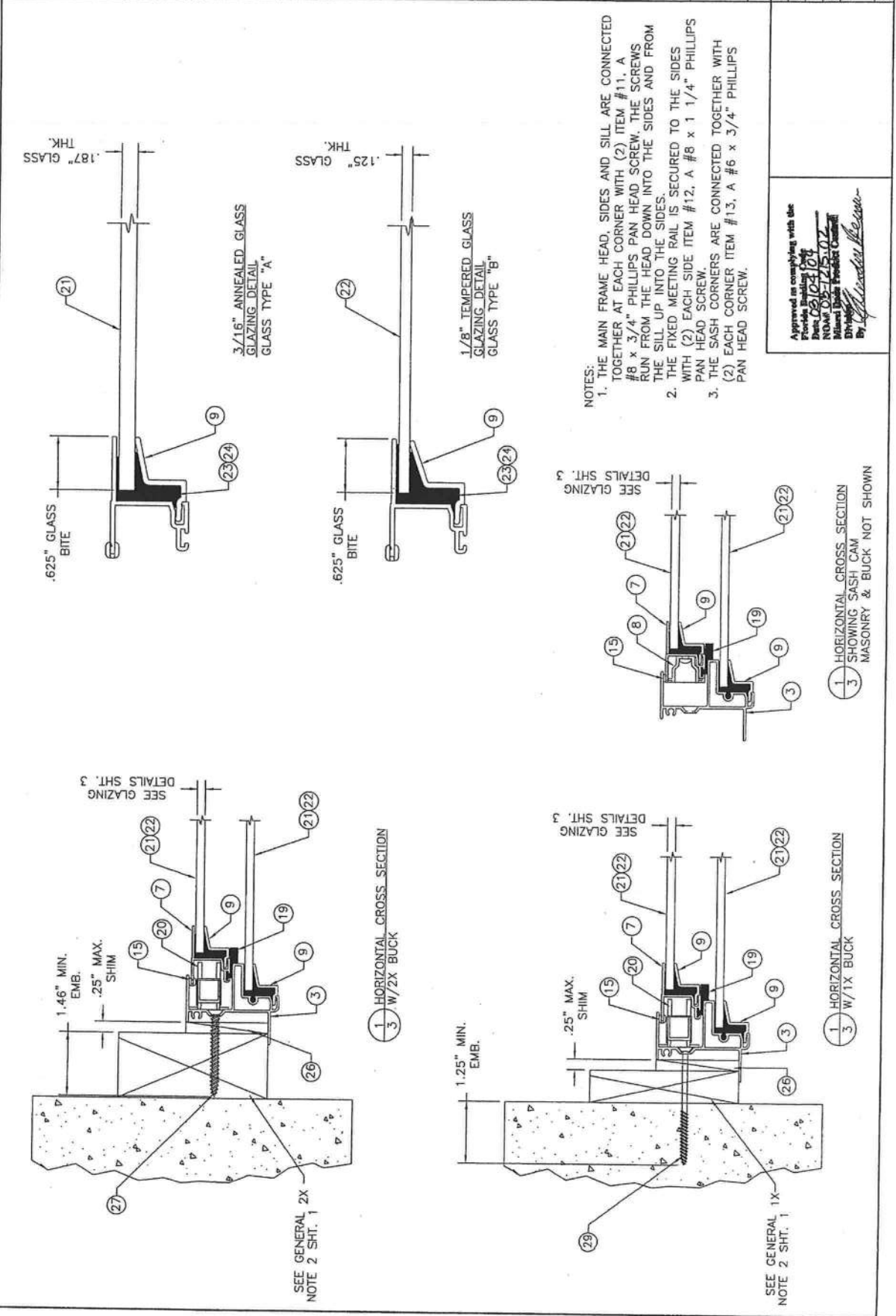
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Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice FL 33595
 Phone No.: 813.959.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
 2/10/04

DATE: 10/27/03 SCALE: N.T.S. DWG. BY: TJH CHK. BY: RW DRAWING NO: S-2422 SHEET 2 OF 5		Approved as complete with the Florida Building Code Date: 03/04/04 NO. 03-1215-02 Florida State Product Control Division By: <i>[Signature]</i>	
NO.	DATE	REVISIONS 1 01/04 REVISED PER DADE LETTER 2 2/10/04 CORRECT DP TABLE	
BY	WH	PART OR ASSEMBLY: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE CIRCLE TOP & OREIL	
PRODUCT: BUILDING CONSULTANTS, INC. P.O. Box 230 Vero Beach, FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate of Authorization No. 9613 2/10/04		CROSS SECTIONS VERTICAL	



DATE: 10/27/03 SCALE: N.T.S. DWG. BY: TJH CHK. BY: RW DRAWING NO.: S-2422 SHEET 3 OF 5		REVISIONS NO. DATE 1 01/04 REVISED PER PADE LETTER 2 2/10/04 CORRECT DP TABLE 3 01/04 CORRECT DP TABLE	
PRODUCT: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & ORIAL PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & GLAZING DETAILS		BY: WH BY: RW	



Product Approval Documents Prepared By: BUILDING CONSULTANTS, INC. P.O. Box 230 Venice FL 33595 Phone No.: 813.659.9197

Florida Board of Professional Engineers Certificate Of Authorization No. 9813

Wendell Holm, P.E. NO. 54158

2/10/04

Manual J Winter Calculations

Residential Load - Component Details (continued)

Stasia Slay

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

Lake City, FL

12/3/2007

EQUIPMENT

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

Residential Window Diversity

MidSummer

Stasia Slay

Lake City, FL

Project Title:
Slay Addition

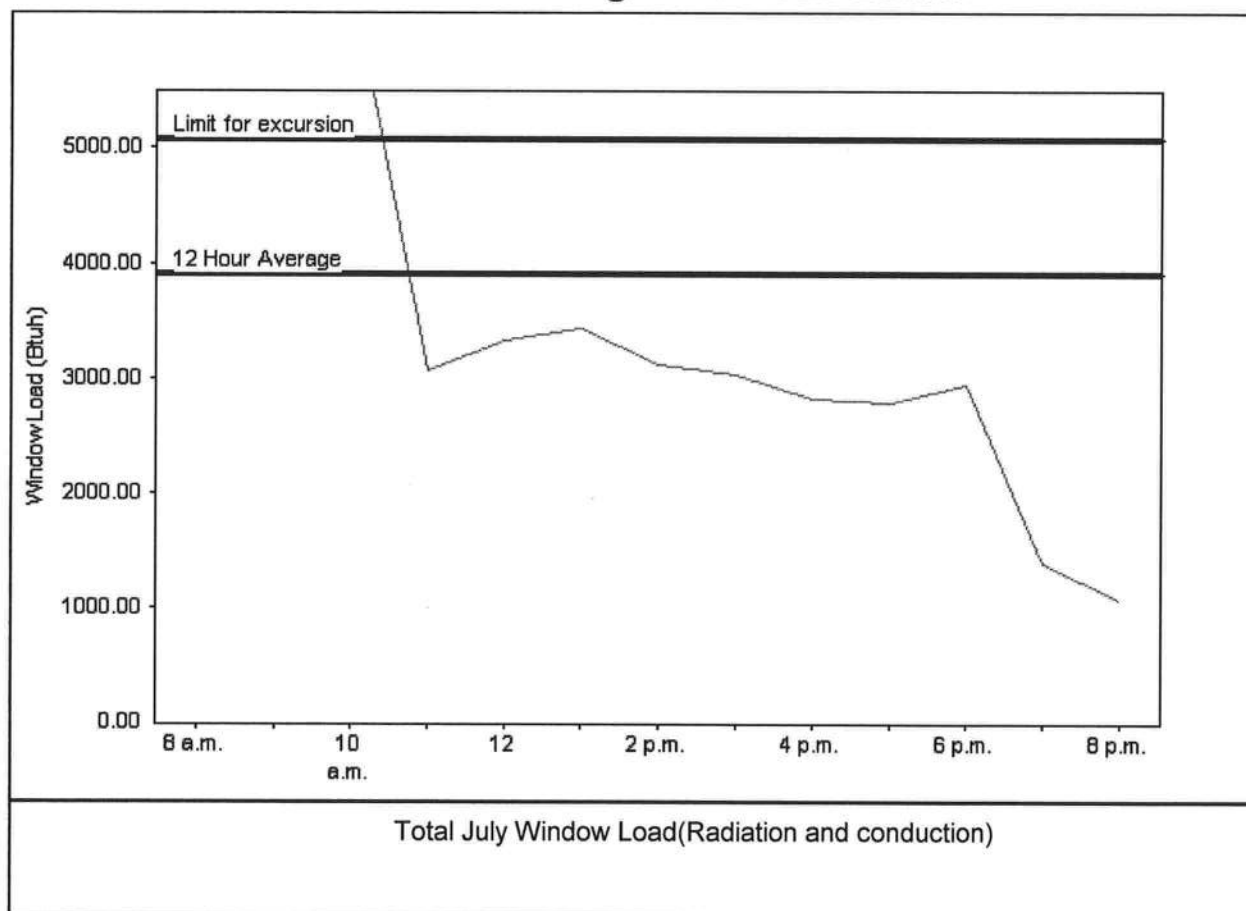
Code Only
Professional Version
Climate: North

12/3/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	3899 Btuh
Summer setpoint	75 F	Peak window load for July	7270 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	5069 Btuh
Latitude	29 North	Window excursion (July)	2202 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: Debbie Motes

DATE: _____



System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Stasia Slay

Project Title:

Code Only

Lake City, FL

Slay Addition

Professional Version

Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

12/3/2007

This calculation is for Worst Case. The house has been rotated 90 degrees.

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Tint, 0.87, B-D, N,F	E	1ft.	6ft.	45.0	0.0	45.0	16	40	1821 Btuh
2	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	30.0	0.0	30.0	19	55	1663 Btuh
3	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	30.0	30.0	0.0	19	23	560 Btuh
Window Total					105 (sqft)					4045 Btuh
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			605.4		2.1		1263 Btuh	
Wall Total					605 (sqft)				1263 Btuh	
Doors	Type				Area (sqft)		HTM		Load	
1	Insulated - Exterior				39.6		9.8		388 Btuh	
Door Total					40 (sqft)				388 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load	
1	Vented Attic/Light/Shingle	30.0			720.0		1.3		963 Btuh	
Ceiling Total					720 (sqft)				963 Btuh	
Floors	Type	R-Value			Size		HTM		Load	
1	Slab On Grade	0.0			126 (ft(p))		0.0		0 Btuh	
Floor Total					126.0 (sqft)				0 Btuh	
Zone Envelope Subtotal:									6659 Btuh	
Infiltration	Type	ACH			Volume(cuft)		wall area(sqft)		CFM=	Load
	SensibleNatural	0.16			5760		605		15.4	286 Btuh
Internal gain	Occupants			Btuh/occupant			Appliance		Load	
	2			X	230	+	0		460 Btuh	
Sensible Envelope Load:									7404 Btuh	
Duct load	, Supply(R0.0-), Return(R0.0-) (DGM of 0.000)								0 Btuh	
Sensible Zone Load									7404 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Stasia Slay

Project Title:
Slay Addition

Code Only
Professional Version
Climate: North

Lake City, FL

12/3/2007

WHOLE HOUSE TOTALS(One System Group)

Whole House Totals for Cooling	Sensible Envelope Load All Zones	7404 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	7404 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	7404 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	561 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	961 Btuh
	TOTAL GAIN	8366 Btuh

EQUIPMENT

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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

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Stasia Slay

Project Title:

Code Only

Lake City, FL

Slay Addition

Professional Version

Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

12/3/2007

This calculation is for Worst Case. The house has been rotated 90 degrees.

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
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Ceilings	Type/Color/Surface		R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/Light/Shingle		30.0		720.0		1.3		963 Btuh		
Ceiling Total					720 (sqft)				963 Btuh		
Floors	Type		R-Value		Size		HTM		Load		
1	Slab On Grade		0.0		126 (ft(p))		0.0		0 Btuh		
Floor Total					126.0 (sqft)				0 Btuh		
Zone Envelope Subtotal:										6659 Btuh	
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)		CFM=		
	SensibleNatural		0.16		5760		605		15.4		
Internal gain			Occupants		Btuh/occupant		Appliance		Load		
			2		X 230		+		0		
Sensible Envelope Load:										7404 Btuh	
Duct load	, Supply(R0.0-), Return(R0.0-)							(DGM of 0.000)		0 Btuh	
Sensible Zone Load										7404 Btuh	

COLUMBIA COUNTY FLORIDA OFFICIAL CERTIFICATE

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 28-3S-16-02365-110

Building permit No. 000026596

Use Classification ADDITION TO SFD

Fire: 0.00

Permit Holder TRAVIS TIMMONS

Waste:

Owner of Building STASIA & NICK SLAY

Total: 0.00

Location: 186 NW SILVER GLEN, LAKE CITY, FL 32055

Date: 03/14/2008



Henry Dicks by [Signature]

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE BAY AVE

City: LAKE CITY **Phone:** 752-1703

Site Location: Subdivision OAK HAVEN

Lot # 10 **Block #** **Permit #** 26596

Address: 186 NW SILVER GLEN

Product used

Active Ingredient

% Concentration

☐ Premise Imidacloprid 0.1%

☒ Termidor Fipronil 0.12%

☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☒ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

ADDITION

720

78

40

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line JDP

3/25/08

Date

0900

Time

JAMES D PARKER

Print Technician's Name

F254

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: 1/18/08

26596

186 NW Silver Glen

Lake City

(Address of Treatment or Lot/Block of Treatment)

City

Florida Pest Control & Chemical Co.

www.flapest.com

Product to be used: Bora-Care Termiticide (Wood Treatment)

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1

(Information to be provided to local building code offices prior to concrete foundation installation.)