

DATE 03/28/2007

Columbia County Building Permit

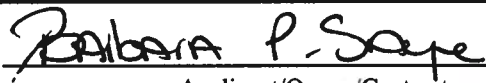
PERMIT

This Permit Expires One Year From the Date of Issue

000025669

APPLICANT	BARBARA SAYE		PHONE	386.758.6930	
ADDRESS	2591	NW LASSIE BLACK STREET	WHITE SPRINGS	FL	32096
OWNER	DANNY & BARBARA SAYE		PHONE	386.758.6930	
ADDRESS	2591	NW LASSIE BLACK STREET	WHITE SPRINGS	FL	32096
CONTRACTOR	DANNY & BARBARA SAYE		PHONE	386.758.6930	
LOCATION OF PROPERTY	441-N TO CR 246,TURN W AND IT'S APPROX. 3 MILES DOWN ON THE R.				
TYPE DEVELOPMENT	SFD/UTILITY		ESTIMATED COST OF CONSTRUCTION	92600.00	
HEATED FLOOR AREA	1852.00	TOTAL AREA	2284.00	HEIGHT	17.00
STORIES	1				
FOUNDATION	CONC	WALLS	FRAMED	ROOF PITCH	6'12
FLOOR	CONC				
LAND USE & ZONING	A-3		MAX. HEIGHT	35	
Minimum Set Back Requirments:	STREET-FRONT		30.00	REAR	25.00
SIDE	25.00				
NO. EX.D.U.	1	FLOOD ZONE	X	DEVELOPMENT PERMIT NO.	

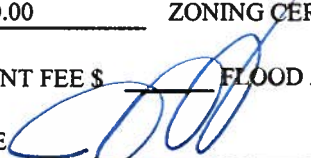

PARCEL ID	13-2S-16-01603-141		SUBDIVISION		
LOT	BLOCK	PHASE	UNIT	TOTAL ACRES	14.77

Culvert Permit No.	Culvert Waiver	Contractor's License Number			
EXISTING	07-189	BLK	JTH	N	
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident	
COMMENTS:	1 FOOT ABOVE ROAD. 45 DAYS TO REMOVE M.H FROM THE DATE OF C.O. ISSUANCE.				
			Check # or Cash	4357	

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 \$	465.00	CERTIFICATION FEE \$	11.42	SURCHARGE FEE \$	11.42
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	562.84
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."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

25669

THIS INSTRUMENT PREPARED BY
AND RETURN TO:
TITLE OFFICES, LLC
343 NW COLE TERRACE
SUITE 105
LAKE CITY, FLORIDA 32055

Parcel I.D. #: 01603-141

Inst:2007009466 Date:04/27/2007 Time:08:24

DC,P.Dewitt Cason,Columbia County B:1117 P:1819

SPACE ABOVE THIS LINE FOR PROCESSING DATA

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713.13, Florida Statutes, the following information is provided in this Notice of Commencement. This Notice shall be void and of no force and effect if construction is not commenced within ninety (90) days after recordation.

1. Description of property: (Legal description of property, and street address if available)

2591 NW LASSIE BLACK STREET, WHITE SPRINGS, FLORIDA 32096
TOWNSHIP 2 SOUTH, RANGE 16 EAST

SECTION 13: A PART OF THE W½ OF SECTION 13, TOWNSHIP 2 SOUTH, RANGE 16 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE INTERSECTION OF THE NORTH RIGHT OF WAY LINE OF STATE ROAD NO. 246 AND THE EAST LINE OF THE W½ OF SAID SECTION 13; THENCE N 81°00'15" W, ALONG SAID NORTH RIGHT OF WAY LINE 678.19 FEET FOR A POINT OF BEGINNING; THENCE CONTINUE N 89°00'15" W, ALONG SAID RIGHT OF WAY LINE 359.53 FEET; THENCE N 0°37'53" E, 1779.14 FEET TO THE NORTH LINE OF THE SE¼ OF THE NW¼ OF SAID SECTION 13; THENCE N 89°21'57" E, ALONG SAID NORTH LINE 355.79 FEET; THENCE S 00°37'53" W, 1839.36 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.

2. General description of improvement: construction of single family dwelling

3. Owner information:

- a. Name and address:
DANNY LAMAR SAYE and BARBARA SAYE
2591 NW LASSIE BLACK STREET, WHITE SPRINGS,
FLORIDA 32096
- b. Interest in property: Fee Simple
- c. Name and Address of Fee Simple Titleholder (if other than owner):

4. Contractor: (Name and Address)
OWNER BUILDER

Telephone Number:

5. Surety (if any):

- a. Name and Address:
Telephone Number: _____
- b. Amount of Bond \$ _____

6. Lender: (Name and Address)
PEOPLES STATE BANK
350 SW MAIN BLVD., LAKE CITY FL 32025
Telephone Number: 386-754-0002

7. Persons within the State of Florida designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: (Name and Address)
N/A

8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and Address)
PEOPLES STATE BANK
350 SW MAIN BLVD., LAKE CITY FL 32025
Telephone Number: 386-754-0002

9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified) _____.

Danny Lamar Saye {SEAL}
DANNY LAMAR SAYE

Barbara Saye {SEAL}
BARBARA SAYE

Sworn to and subscribed before me this 24th day of April, 2007, by DANNY LAMAR SAYE and BARBARA SAYE, who are personally known to me or who have produced

as identification.

Martha Bryan
Notary Public

My Commission Expires: _____



Martha Bryan

Commission # DD232534

Expires August 10, 2007

Bonded Tray Main - Insurance, Inc. 666-282-7019

Inst:2007009466 Date:04/27/2007 Time:08:24

DC,P.Dewitt Cason,Columbia County B:1117 P:1820

Columbia County Building Permit Application

For Office Use Only Application # 0703-38 Date Received 3/15 By JW Permit # 25669

Application Approved by - Zoning Official BZK Date 28.03.07 Plans Examiner AKTH Date 3-27-07

Flood Zone X Development Permit 1/A Zoning A-3 Land Use Plan Map Category A-3

Comments 45 DAY L TO REMOVE UN. FROM C.O. ISSUANCE.

☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ State Road Info ☒ Parent Parcel # ☒ Development Permit

Name Authorized Person Signing Permit Danny L. Saye Phone 386-758-6930

Address 2591 NW Lassie Blk. St. White Springs Fla. 32096

Owners Name Same Phone 386-758-6930

911 Address Same

Contractors Name _____ Phone _____

Address _____

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address FREEMAN DESIGN Group, INC.

Mortgage Lenders Name & Address Peoples State Bank

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

Property ID Number R01603-141 - (13-25-16) Estimated Cost of Construction 120,000

Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____

Driving Directions Hwy 441 North to County Road 246 West App. 3 mile and turn right

Type of Construction New Construction - SFD Number of Existing Dwellings on Property 1

Total Acreage 14.77^{AC} Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 402'-0" Side 182' Side 160' Rear 1400'

Total Building Height 17'-4 3/4" Number of Stories 1 Heated Floor Area 1852 Roof Pitch 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.

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

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

Danny L. Saye
Owner/Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA



Jacqueline Norris
My Commission DD265394
Expires November 06, 2007

Sworn to (or affirmed) and subscribed before me

this 13 day of March 2007.

Personally known _____ or Produced Identification _____

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

Jacqueline Norris
Notary Signature

RONNIE BRANNON

COLUMBIA COUNTY TAX COLLECTOR

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS
REAL ESTATE 2006 103944.0000

ACCOUNT NUMBER	ESCROW CD	ASSESSED VALUE	EXEMPTIONS	TAXABLE VALUE	MILLAGE CODE
R01603-141		13,667	13,667		003

SAYE DANNY LAMAR & BARBARA
2591 NW LASSIE BLACK ST
WHITE SPRINGS FL 32096

13-2S-16 5000/5000 14.77 Acres
COMM INTERS N R/W CR-246 & E
LINE OF W1/2 OF SEC. RUN NW
ALONG N R/W 678.19 FT FOR POB,
CONT NW ALONG R/W 359.53 FT,
See Tax Roll For Extra Legal

AD VALOREM TAXES					
TAXING AUTHORITY	MILLAGE RATE	EXEMPTION AMOUNT	TAXABLE VALUE	TAXES LEVIED	
C001 BOARD OF COUNTY COMMISS	8.7260	13,667			
S002 COLUMBIA COUNTY SCHOOL					
DISCRETIONARY	0.7600	13,667			
LOCAL	4.9750	13,667			
CAPITAL OUTLAY	2.0000	13,667			
WSR SUWANNEE RIVER WATER M	0.4914	13,667			
HLSH SHANDS AT LAKE SHORE	2.2500	13,667			
IDA INDUSTRIAL DEVELOPEMEN	0.1380	13,667			
TOTAL MILLAGE		19.3404	AD VALOREM TAXES		

NON-AD VALOREM ASSESSMENTS		
LEVYING AUTHORITY	RATE	AMOUNT
FFIR FIRE ASSESSMENTS		129.56
GGAR SOLID WASTE - ANNUAL		201.00
NON-AD VALOREM ASSESSMENTS		330.56

Please
Retain
this
Portion
for your
Records

COMBINED TAXES AND ASSESSMENTS		330.56	See reverse side for important information		
If Paid By Please Pay	Feb 28 2007 327.25	Mar 31 2007 330.56	Apr 30 2007 340.48		

RONNIE BRANNON

COLUMBIA COUNTY TAX COLLECTOR

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

REAL ESTATE 2006 103944.0000

ACCOUNT NUMBER	ESCROW CD	ASSESSED VALUE	EXEMPTIONS	TAXABLE VALUE	MILLAGE CODE
R01603-141		13,667	13,667		003

RETURN WITH
PAYMENT

SAYE DANNY LAMAR & BARBARA
2591 NW LASSIE BLACK ST
WHITE SPRINGS FL 32096

13-2S-16 5000/5000 14.77 Acres
COMM INTERS N R/W CR-246 & E
LINE OF W1/2 OF SEC. RUN NW
ALONG N R/W 678.19 FT FOR POB,
See Tax Roll For Extra Legal
See Tax Roll For Extra Legal

PAY IN U.S. FUNDS (NO POST DATED CHECKS) TO RONNIE BRANNON TAX COLLECTOR - 135 NE HERNANDO AVE. - SUITE 125, LAKE CITY, FL 32055-4006

If Paid By Please Pay	Feb 28 2007 327.25	Mar 31 2007 330.56	Apr 30 2007 340.48		
--------------------------	-----------------------	-----------------------	-----------------------	--	--

Paid 02/21/2007 D/I 02/21/2007 Rcpt # 2207093.0001 \$327.25

NOTORIZED DISCLOSURE STATEMENT

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

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

TYPE OF CONSTRUCTION

- ☐ Single Family Dwelling
☐ Farm Outbuilding

- ☐ Two-Family Residence
☐ Other _____

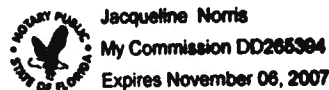
NEW CONSTRUCTION OR IMPROVEMENT

☒ New Construction

☐ Addition, Alteration, Modification or other Improvement

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

Danny L. Sayle 3/13/07
Owner/Builder Signature Date



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

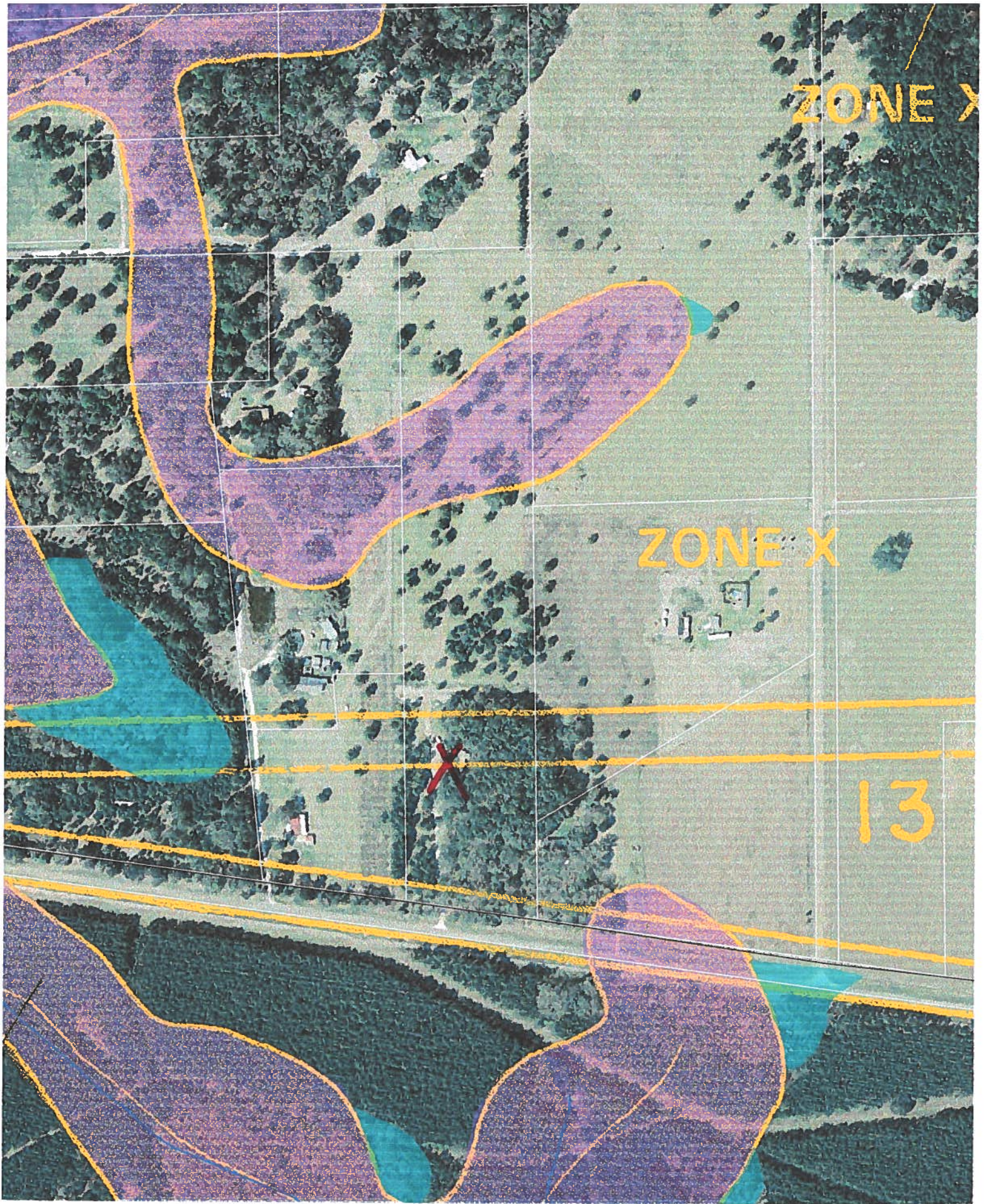
Notary Signature Jacqueline Norris Date 3/13/07

(Stamp / Seal)

FOR BUILDING USE ONLY

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

Date _____ Building Official/Representative _____



0703-38



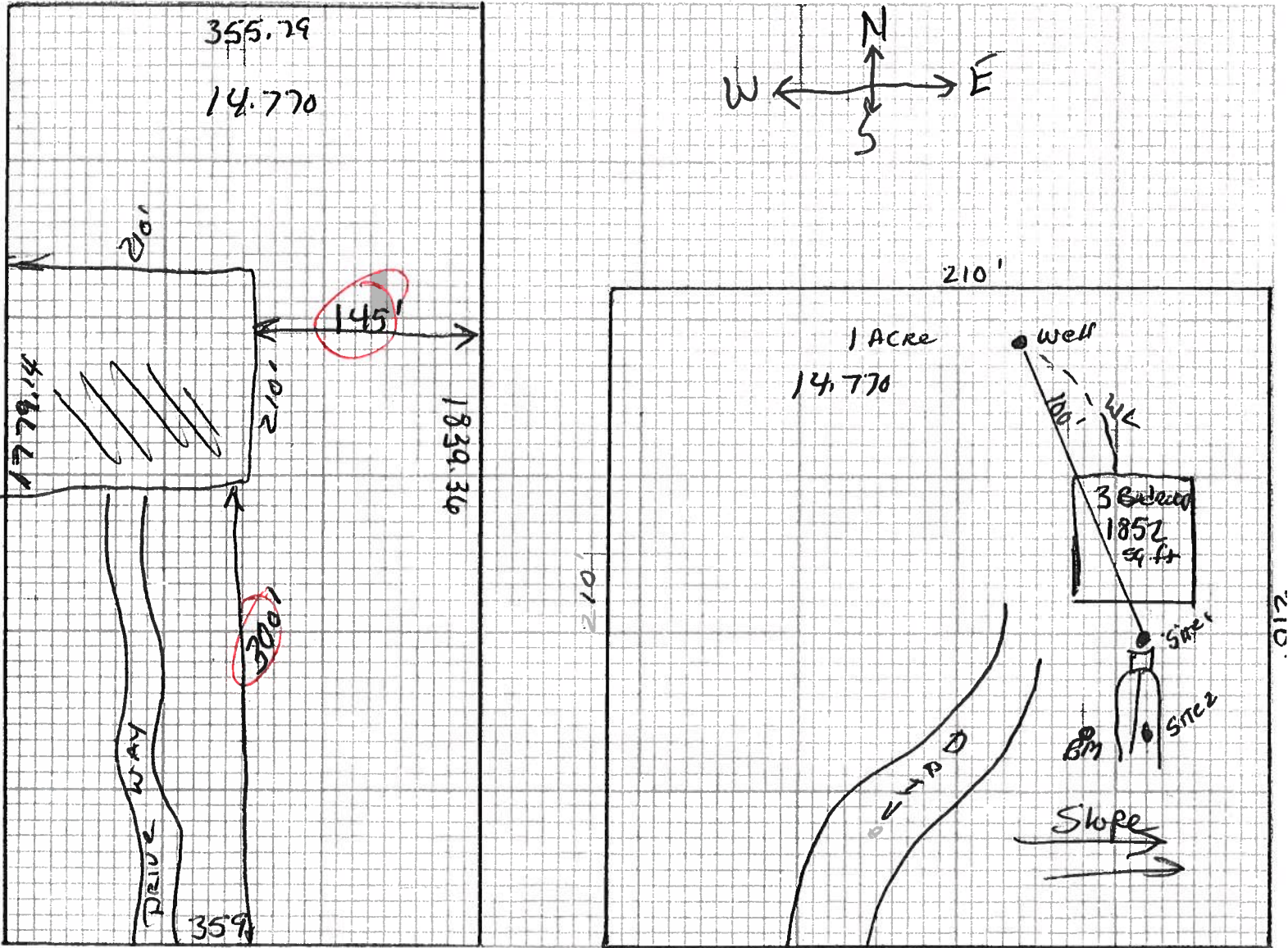
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-189
12-SG-112356

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: DANNY SAYE

LASSIE BLACK ST

B-25-16-01603-141

Site Plan submitted by:

Day L Saye / Brihana Saye
Signature

Agent
Title

Plan Approved ☒

Not Approved ☐

Date 3-12-07

By Salhi Haddy ESII

Columbia CHD

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant Plans Examiner

- | | | |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <p>All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.</p> <p>Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.</p> <p><u>Site Plan including:</u></p> <p>a) Dimensions of lot</p> <p>b) Dimensions of building set backs</p> <p>c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.</p> <p>d) Provide a full legal description of property.</p> <p><u>Wind-load Engineering Summary, calculations and any details required</u></p> <p>Plans or specifications must state compliance with FBC Section 1609.</p> <p>The following information must be shown as per section 1603.1.4 FBC</p> <p>a. Basic wind speed (3-second gust), miles per hour (km/hr).</p> <p>b. Wind importance factor, I_w, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.</p> <p>c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.</p> <p>d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.</p> <p>e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specifi ally designed by the registered design professional.</p> <p><u>Elevations including:</u></p> <p>a) All sides</p> <p>b) Roof pitch</p> <p>c) Overhang dimensions and detail with attic ventilation</p> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

☒ ☐

☒ ☐

☒ ☐

☒ ☐

- ☒ ☐
- ☒ ☐
- ☒ ☐
- ☒ ☐

- d) Location, size and height above roof of chimneys.
- e) Location and size of skylights
- f) Building height
- e) Number of stories

Floor Plan including:

- ☒ ☐
- ☒ ☐
- ☒ ☐

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

Foundation Plan including:

- ☒ ☐
- ☒ ☐
- ☒ ☐
- ☒ ☐

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

Roof System:

- ☒ ☐

a) Truss package including:

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

- ☒ ☐

b) Conventional Framing Layout including:

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

Wall Sections including:

- ☒ ☐

a) Masonry wall

1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiteicide or alternative method)
10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

- a. Attic space
- b. Exterior wall cavity
- c. Crawl space (if applicable)

☒ ☐

b) Wood frame wall

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

☒ ☐

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms
- h) Exhaust fans in bathroom

HVAC Information

- a) **Energy Calculations** (dimensions shall match plans)
- b) Manual J sizing equipment or equivalent computation
- c) **Gas System** Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

*****Notice Of Commencement Required Before Any Inspections Will Be Done**
Private Potable Water

☒ ☐

- EXISTING WELL - 3

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$50.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS – PLEASE DO NOT ASK

PRODUCT APPROVAL SPECIFICATION SHEET

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

Handwritten in blue ink:
 2 Windows
 1 Roof
 1/2 of blueprints

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

 APPLICANT SIGNATURE

 DATE

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Saye Residence**
Address: **CR 146**
City, State: **Lake City, FL**
Owner: **Danny Saye**
Climate Zone: **North**

Builder: **TBA**
Permitting Office: **Columbia County**
Permit Number: **25669**
Jurisdiction Number: **221000**

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 3 ☐
5. Is this a worst case? Yes ☐
6. Conditioned floor area (ft²) 1864 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
(or Single or Double DEFAULT) 7a. (Dble Default) 204.3 ft² ☐
 - b. SHGC:
(or Clear or Tint DEFAULT) 7b. (Clear) 204.3 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 192.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1536.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1900.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 60.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 36.0 kBtu/hr
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump/Split Cap: 36.0 kBtu/hr
HSPF: 8.50 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 50.0 gallons
EF: 0.90 ☐
 - b. N/A ☐
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
15. HVAC credits
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating) ☐

Glass/Floor Area: 0.11

Total as-built points: 23062
Total base points: 25389

PASS

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

PREPARED BY: Walter H. Free

DATE: 3/6/07

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: CR 146, 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	1864.0	18.59	6237.0	1.Double, Clear	N	1.5	7.5	33.3	19.20	0.96	615.0
				2.Double, Clear	N	1.5	6.0	30.0	19.20	0.94	540.0
				3.Double, Clear	E	1.0	9.0	6.0	42.06	0.99	250.0
				4.Double, Clear	S	8.0	6.0	60.0	35.87	0.48	1041.0
				5.Double, Clear	S	14.0	6.0	30.0	35.87	0.44	476.0
				6.Double, Clear	W	1.0	8.0	30.0	38.52	0.99	1146.0
				7.Double, Clear	W	1.0	7.0	15.0	38.52	0.98	567.0
				As-Built Total:				204.3		4635.0	
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		1536.0	1.50		2304.0	
Exterior	1536.0	1.70	2611.2								
Base Total:		1536.0 2611.2		As-Built Total:				1536.0		2304.0	
DOOR TYPES		Area X BSPM = Points		Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			20.0	4.10		82.0	
Exterior	37.8	6.10	230.6	2.Exterior Insulated			17.8	4.10		73.0	
Base Total:		37.8 230.6		As-Built Total:				37.8		155.0	
CEILING TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1864.0	1.73	3224.7	0. Under Attic	30.0		1900.0	1.73 X 1.00		3287.0	
Base Total:		1864.0 3224.7		As-Built Total:				1900.0		3287.0	
FLOOR TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM = Points				
Slab	192.0(p)	-37.0	-7104.0	1. Slab-On-Grade Edge Insulation	0.0		192.0(p)	-41.20		-7910.4	
Raised	0.0	0.00	0.0								
Base Total:		-7104.0		As-Built Total:				192.0		-7910.4	
INFILTRATION		Area X BSPM = Points		Area X SPM = Points							
		1864.0	10.21 19031.4								
								1864.0	10.21	19031.4	

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

ADDRESS: CR 146, Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 24231.0				Summer As-Built Points: 21502.1						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.09 x 1.147 x 0.91)	X System Multiplier	X Credit Multiplier	=	Cooling Points
24231.0	0.3250		7875.1	<small>(sys 1: Central Unit 36000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)</small> 21502 1.00 (1.09 x 1.147 x 0.91) 0.260 1.000 6360.4 21502.1 1.00 1.138 0.260 1.000 6360.4						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: CR 146, 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	1864.0	20.17	6767.0	1.Double, Clear	N	1.5	7.5	33.3	24.58	1.00	820.0
				2.Double, Clear	N	1.5	6.0	30.0	24.58	1.00	739.0
				3.Double, Clear	E	1.0	9.0	6.0	18.79	1.01	113.0
				4.Double, Clear	S	8.0	6.0	60.0	13.30	3.15	2512.0
				5.Double, Clear	S	14.0	6.0	30.0	13.30	3.58	1426.0
				6.Double, Clear	W	1.0	8.0	30.0	20.73	1.00	623.0
				7.Double, Clear	W	1.0	7.0	15.0	20.73	1.00	312.0
				As-Built Total: 204.3 6545.0							
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	1536.0	3.40		5222.4
Exterior	1536.0	3.70	5683.2								
Base Total: 1536.0 5683.2				As-Built Total: 1536.0 5222.4							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				20.0	8.40		168.0
Exterior	37.8	12.30	465.0	2.Exterior Insulated				17.8	8.40		149.6
Base Total: 37.8 465.0				As-Built Total: 37.8 317.6							
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	1864.0	2.05	3821.2	0. Under Attic			30.0	1900.0	2.05 X 1.00		3895.0
Base Total: 1864.0 3821.2				As-Built Total: 1900.0 3895.0							
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	192.0(p)	8.9	1708.8	1. Slab-On-Grade Edge Insulation			0.0	192.0(p)	18.80		3609.6
Raised	0.0	0.00	0.0								
Base Total: 1708.8				As-Built Total: 192.0 3609.6							
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1864.0 -0.59 -1099.8				1864.0 -0.59 -1099.8							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: CR 146, Lake City, FL,

PERMIT #:

BASE			AS-BUILT						
Winter Base Points: 17345.5			Winter As-Built Points: 18489.8						
Total Winter Points	X Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
17345.5	0.5540	9609.4	(sys 1: Electric Heat Pump 36000 btuh ,EFF(8.5) Ducts:Unc(S),Unc(R),Int(AH),R6.0 18489.8 1.000 (1.069 x 1.169 x 0.93) 0.401 1.000 8620.7 18489.8 1.00 1.162 0.401 1.000 8620.7						

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: CR 146, Lake City, FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier X Credit Multiplier	= Total
3		2635.00	7905.0	50.0	0.90	3	1.00	2693.56	8080.7
				As-Built Total:					8080.7

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
7875	9609	7905	25389	6360	8621	8081	23062

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: CR 146, 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* = 86.5

The higher the score, the more efficient the home.

Danny Saye, CR 146, Lake City, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1864 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump/Split	Cap: 36.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 204.3 ft ²		HSPF: 8.50
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 204.3 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 192.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1536.0 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1900.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 60.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



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

Residential System Sizing Calculation

Summary

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

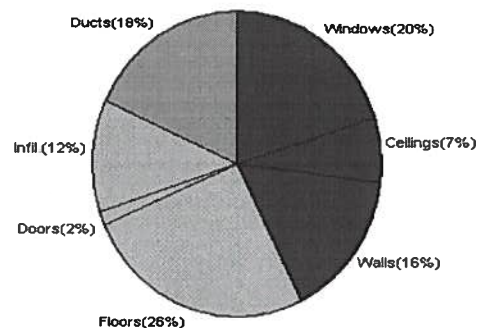
3/6/2007

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	32492 Btuh	Total cooling load calculation	30924 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	110.8 36000	Sensible (SHR = 0.75)	106.0 27000
Heat Pump + Auxiliary(0.0kW)	110.8 36000	Latent	165.3 9000
		Total (Electric Heat Pump)	116.4 36000

WINTER CALCULATIONS

Winter Heating Load (for 1864 sqft)

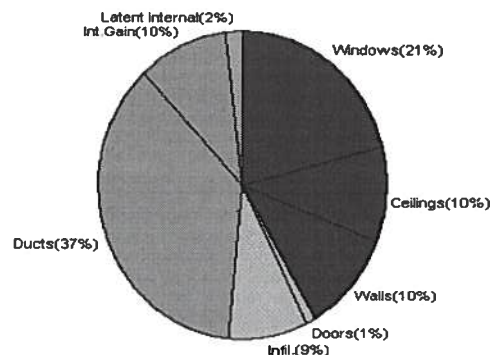
Load component		Load
Window total	204 sqft	6577 Btuh
Wall total	1536 sqft	5044 Btuh
Door total	38 sqft	490 Btuh
Ceiling total	1900 sqft	2239 Btuh
Floor total	192 sqft	8383 Btuh
Infiltration	94 cfm	3826 Btuh
Duct loss		5933 Btuh
Subtotal		32492 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		32492 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1864 sqft)

Load component		Load
Window total	204 sqft	6466 Btuh
Wall total	1536 sqft	3204 Btuh
Door total	38 sqft	371 Btuh
Ceiling total	1900 sqft	3146 Btuh
Floor total		0 Btuh
Infiltration	50 cfm	925 Btuh
Internal gain		3090 Btuh
Duct gain		8276 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Total sensible gain		25478 Btuh
Latent gain(ducts)		3030 Btuh
Latent gain(infiltration)		1817 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		600 Btuh
Total latent gain		5446 Btuh
TOTAL HEAT GAIN		30924 Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *Will A. Free*

DATE: *3/6/07*

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/6/2007

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	33.3	32.2	1073 Btuh
2	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
3	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
4	2, Clear, Metal, 0.87	SE	60.0	32.2	1931 Btuh
5	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	SW	30.0	32.2	966 Btuh
7	2, Clear, Metal, 0.87	SW	15.0	32.2	483 Btuh
	Window Total		204(sqft)		6577 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1536	3.3	5044 Btuh
	Wall Total		1536		5044 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		18	12.9	231 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		38		490Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1900	1.2	2239 Btuh
	Ceiling Total		1900		2239Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	192.0 ft(p)	43.7	8383 Btuh
	Floor Total		192		8383 Btuh
	Envelope Subtotal:				22733 Btuh
Infiltration	Type	ACH X Volume(cuft) walls(sqft)	CFM=		
	Natural	0.38 14912 1536	94.4		3826 Btuh
Ductload			(DLM of 0.223)		5933 Btuh
All Zones	Sensible Subtotal All Zones				32492 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	32492 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	32492 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

3/6/2007

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	36000 Btuh
-----------------------------	----------------------	------------

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

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



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/6/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	33.3		32.2	1073 Btuh
2	2, Clear, Metal, 0.87	NW	30.0		32.2	966 Btuh
3	2, Clear, Metal, 0.87	NE	6.0		32.2	193 Btuh
4	2, Clear, Metal, 0.87	SE	60.0		32.2	1931 Btuh
5	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	SW	30.0		32.2	966 Btuh
7	2, Clear, Metal, 0.87	SW	15.0		32.2	483 Btuh
Window Total			204(sqft)			6577 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1536		3.3	5044 Btuh
Wall Total			1536			5044 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		18		12.9	231 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
Door Total			38			490Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1900		1.2	2239 Btuh
Ceiling Total			1900			2239Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	192.0 ft(p)		43.7	8383 Btuh
Floor Total			192			8383 Btuh
Zone Envelope Subtotal:						22733 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.38	14912	1536	94.4	3826 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.223)					5933 Btuh
Zone #1	Sensible Zone Subtotal					32492 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

3/6/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	32492 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	32492 Btuh

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	36000 Btuh
-----------------------------	----------------------	------------

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



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/6/2007

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, Clear, 0.87, B-D, N,F	NW	1.5ft	7.5ft	33.3	0.0	33.3	19	41	1360	Btuh	
2	2, Clear, 0.87, B-D, N,F	NW	1.5ft	6ft.	30.0	0.0	30.0	19	41	1224	Btuh	
3	2, Clear, 0.87, B-D, N,F	NE	1ft.	9ft.	6.0	0.0	6.0	19	41	245	Btuh	
4	2, Clear, 0.87, B-D, N,F	SE	8ft.	6ft.	60.0	60.0	0.0	19	43	1121	Btuh	
5	2, Clear, 0.87, B-D, N,F	SE	14ft.	6ft.	30.0	30.0	0.0	19	43	560	Btuh	
6	2, Clear, 0.87, B-D, N,F	SW	1ft.	8ft.	30.0	0.0	30.0	19	43	1304	Btuh	
7	2, Clear, 0.87, B-D, N,F	SW	1ft.	7ft.	15.0	0.0	15.0	19	43	652	Btuh	
Window Total					204 (sqft)					6466 Btuh		
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1536.0			2.1		3204 Btuh		
Wall Total					1536 (sqft)					3204 Btuh		
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Exterior				17.8			9.8		175 Btuh		
2	Insulated - Exterior				20.0			9.8		196 Btuh		
Door Total					38 (sqft)					371 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0			1900.0			1.7		3146 Btuh		
Ceiling Total					1900 (sqft)					3146 Btuh		
Floors	Type	R-Value			Size			HTM		Load		
1	Slab On Grade	0.0			192 (ft(p))			0.0		0 Btuh		
Floor Total					192.0 (sqft)					0 Btuh		
Envelope Subtotal:										13187 Btuh		
Infiltration	Type	ACH			Volume(cuft)		wall area(sqft)		CFM=		Load	
	SensibleNatural	0.20			14912		1536		94.4		925 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load			
	3			X 230			+		2400		3090 Btuh	
Sensible Envelope Load:										17202 Btuh		
Duct load	(DGM of 0.481)										8276 Btuh	
Sensible Load All Zones										25478 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

3/6/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	17202 Btuh
	Sensible Duct Load	8276 Btuh
	Total Sensible Zone Loads	25478 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25478 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1817 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	3030 Btuh
	Latent occupant gain (3 people @ 200 Btuh per person)	600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5446 Btuh
	TOTAL GAIN	30924 Btuh

EQUIPMENT

1. Central Unit	#	36000 Btuh
-----------------	---	------------

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

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

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

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

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

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

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/6/2007

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, B-D, N,F	NW	1.5ft	7.5ft	33.3	0.0	33.3	19	41	1360	Btuh
2	2, Clear, 0.87, B-D, N,F	NW	1.5ft	6ft.	30.0	0.0	30.0	19	41	1224	Btuh
3	2, Clear, 0.87, B-D, N,F	NE	1ft.	9ft.	6.0	0.0	6.0	19	41	245	Btuh
4	2, Clear, 0.87, B-D, N,F	SE	8ft.	6ft.	60.0	60.0	0.0	19	43	1121	Btuh
5	2, Clear, 0.87, B-D, N,F	SE	14ft.	6ft.	30.0	30.0	0.0	19	43	560	Btuh
6	2, Clear, 0.87, B-D, N,F	SW	1ft.	8ft.	30.0	0.0	30.0	19	43	1304	Btuh
7	2, Clear, 0.87, B-D, N,F	SW	1ft.	7ft.	15.0	0.0	15.0	19	43	652	Btuh
Window Total					204 (sqft)					6466 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1536.0			2.1		3204 Btuh	
Wall Total					1536 (sqft)					3204 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				17.8			9.8		175 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
Door Total					38 (sqft)					371 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			1900.0			1.7		3146 Btuh	
Ceiling Total					1900 (sqft)					3146 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			192 (ft(p))			0.0		0 Btuh	
Floor Total					192.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:										13187 Btuh	
Infiltration	Type	ACH			Volume(cuft) wall area(sqft)			CFM=		Load	
	SensibleNatural	0.20			14912 1536			49.7		925 Btuh	
Internal gain		Occupants			Btuh/occupant			Appliance		Load	
		3			X 230 +			2400		3090 Btuh	
Sensible Envelope Load:										17202 Btuh	
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.481)		8276 Btuh	
Sensible Zone Load										25478 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

3/6/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	17202 Btuh
	Sensible Duct Load	8276 Btuh
	Total Sensible Zone Loads	25478 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25478 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1817 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	3030 Btuh
	Latent occupant gain (3 people @ 200 Btuh per person)	600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5446 Btuh
	TOTAL GAIN	30924 Btuh

EQUIPMENT

1. Central Unit	#	36000 Btuh
-----------------	---	------------

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

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

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

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

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

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

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

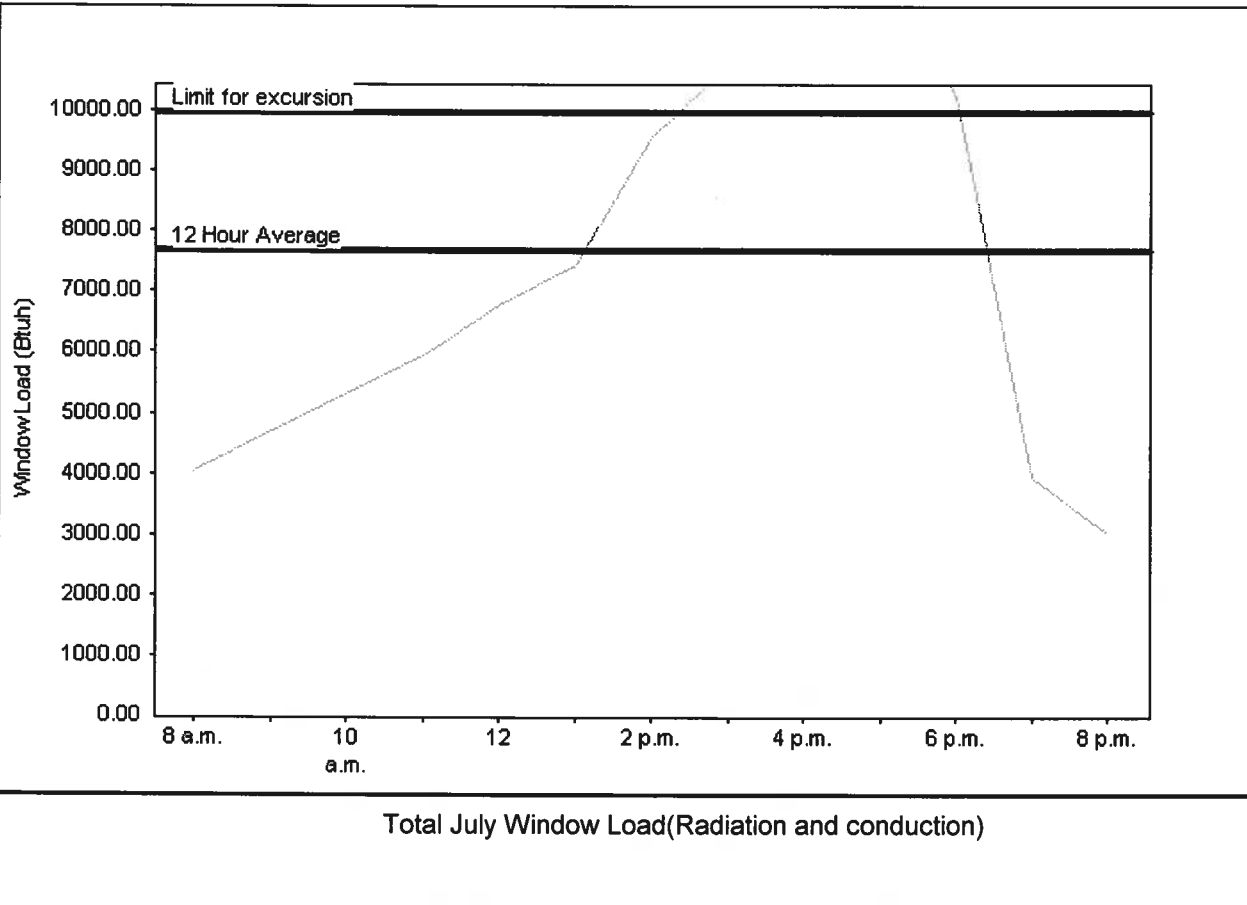
Code Only
Professional Version
Climate: North

3/6/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	7669 Btuh
Summer setpoint	75 F	Peak window load for July	12075 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	9969 Btuh
Latitude	29 North	Window excursion (July)	2106 Btuh

WINDOW Average and Peak Loads



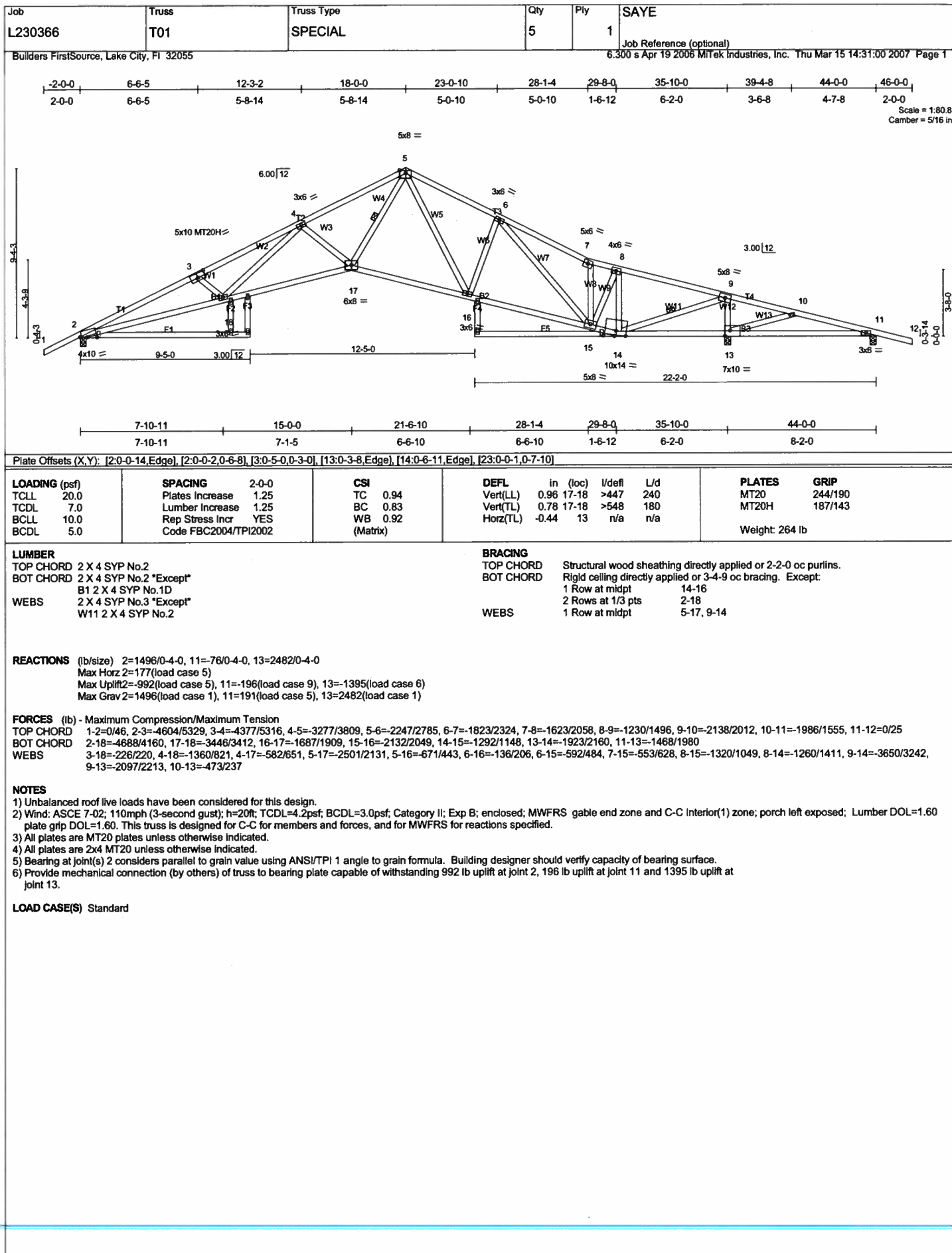
This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

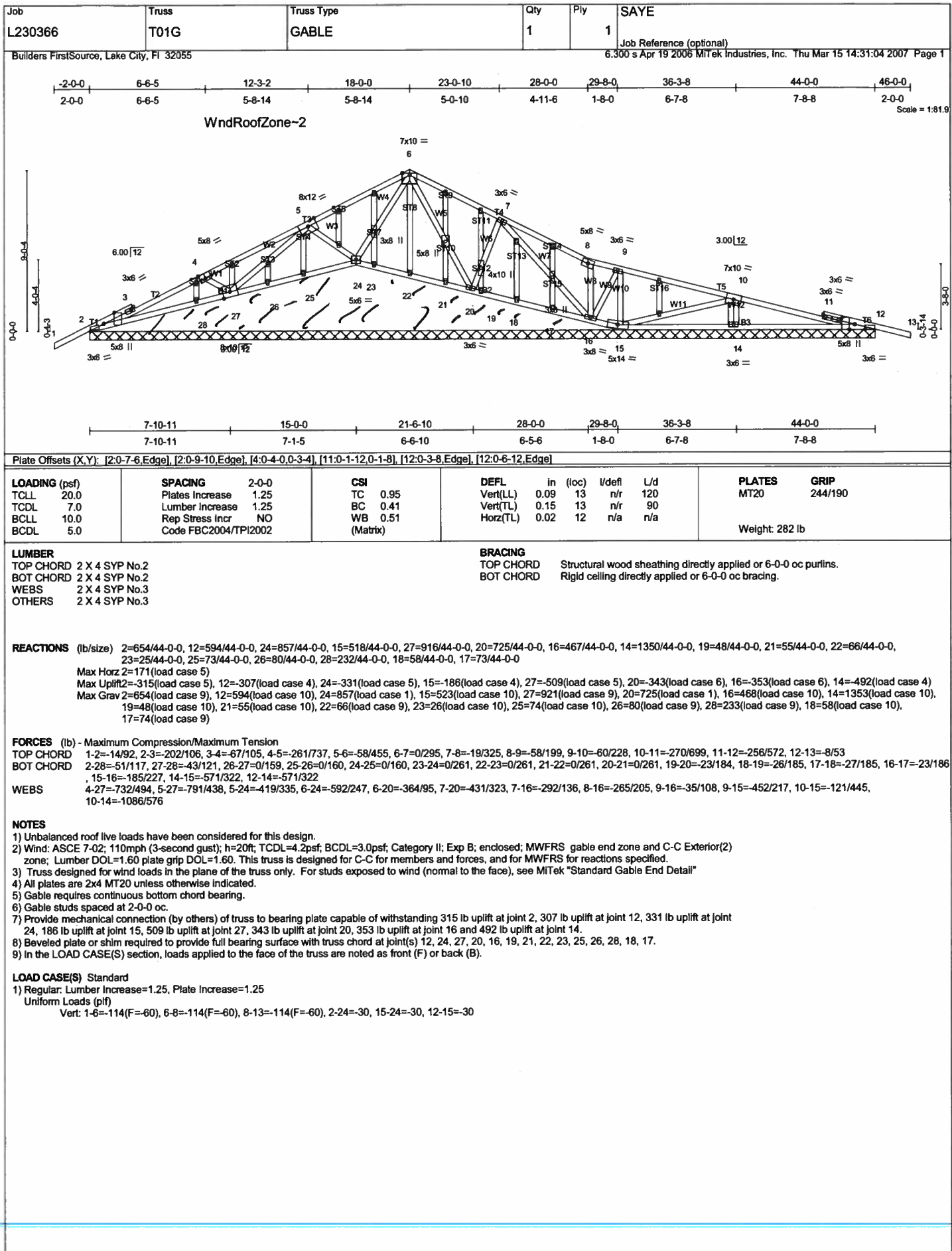
EnergyGauge® System Sizing for Florida residences only

PREPARED BY: Will H. Fure

DATE: 3/6/07







Job L230366	Truss T02	Truss Type SPECIAL	Qty 2	Ply 1	SAYE Job Reference (optional)
-----------------------	---------------------	------------------------------	-----------------	-----------------	--------------------------------------

Builders FirstSource, Lake City, FL 32055

6.300 s Apr 19 2006 Mitek Industries, Inc. Thu Mar 15 14:31:08 2007 Page 1

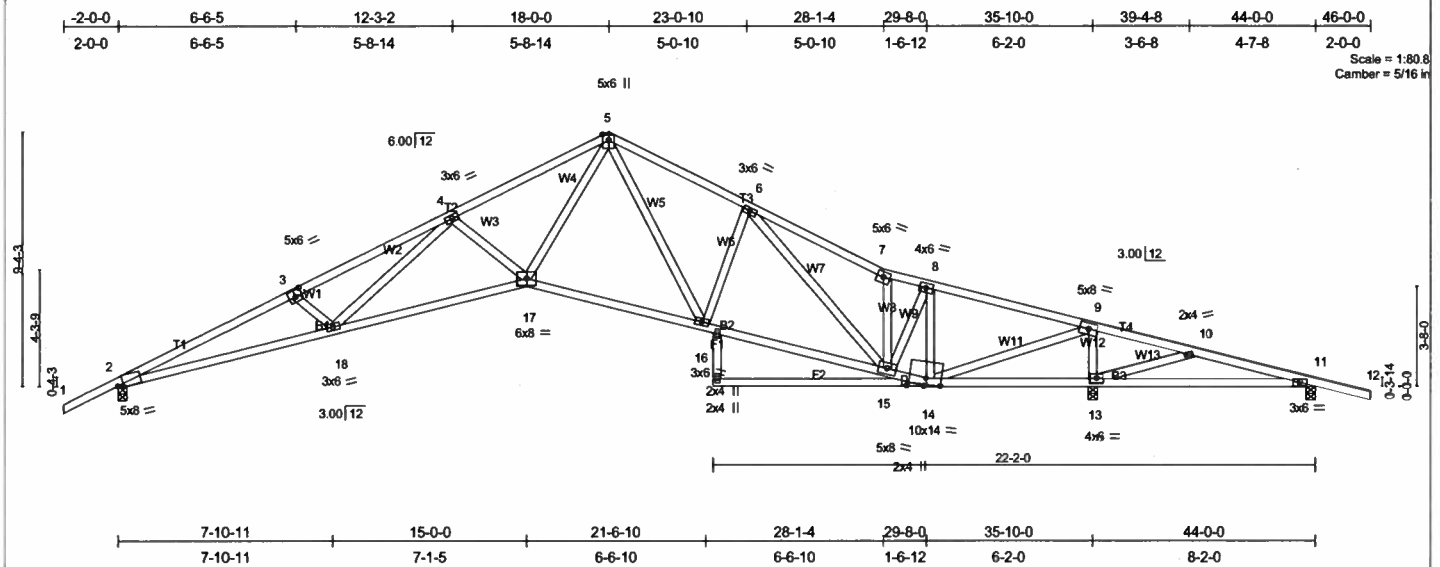


Plate Offsets (X,Y): [2:0-2-6,Edge], [3:0-3-0,0-3-0], [14:0-6-11,Edge], [20:0-0-2,0-7-9]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.90	Vert(LL) -0.50 17-18 >852 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.68	Vert(TL) -0.81 17-18 >530 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.41 13 n/a n/a		
	Code FBC2004/TPI2002			Weight: 245 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3 "Except"
 W11 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-5-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 4-1-2 oc bracing.

REACTIONS (lb/size) 2=1494/0-4-0, 11=88/0-4-0, 13=2496/0-4-0

Max Horz 2=176(load case 5)
 Max Uplift 2=573(load case 5), 11=277(load case 4), 13=892(load case 6)
 Max Grav 2=1494(load case 1), 11=35(load case 10), 13=2496(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

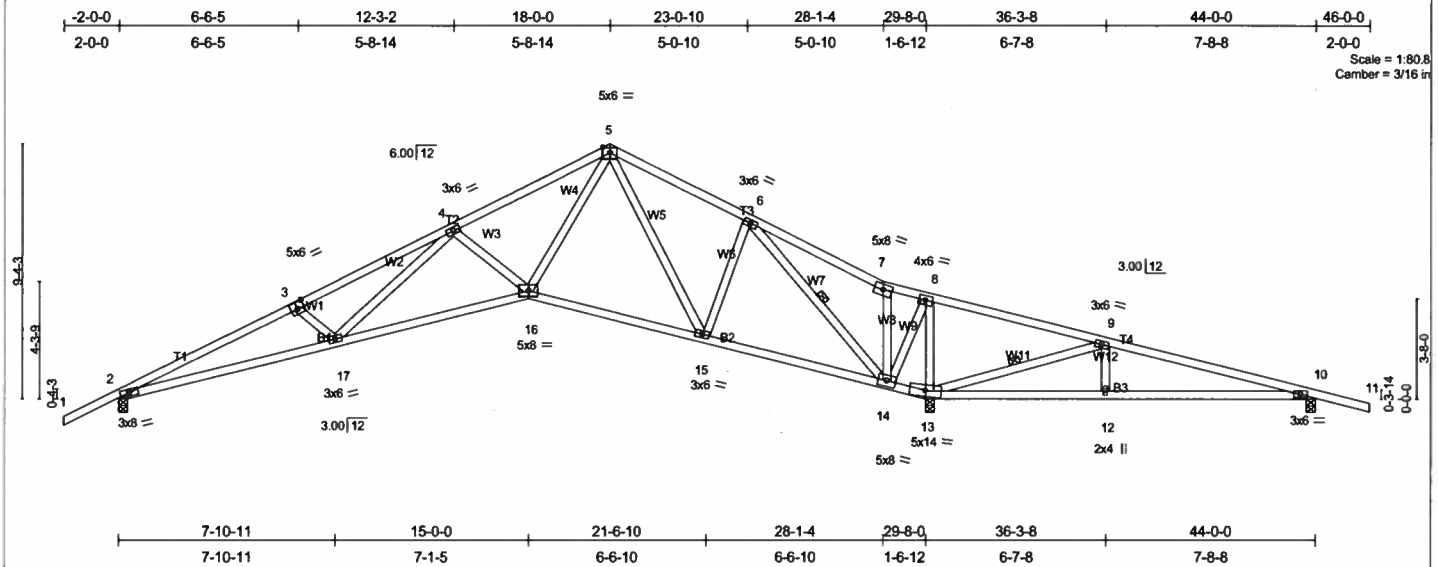
TOP CHORD 1-2=0/46, 2-3=4595/1460, 3-4=4368/1403, 4-5=3266/1001, 5-6=2235/751, 6-7=1800/726, 7-8=1602/591, 8-9=1207/450, 9-10=622/2058, 10-11=420/1598, 11-12=0/25
 BOT CHORD 2-18=1362/4153, 17-18=963/3402, 16-17=361/1902, 15-16=413/2036, 14-15=266/1126, 13-14=1967/662, 11-13=1510/427
 WEBS 3-18=227/240, 4-18=301/823, 4-17=582/381, 5-17=618/2126, 5-16=275/439, 6-16=133/249, 6-15=604/153, 7-15=548/277, 8-15=289/1053, 8-14=1263/420, 9-14=929/3266, 9-13=2111/737, 10-13=476/299

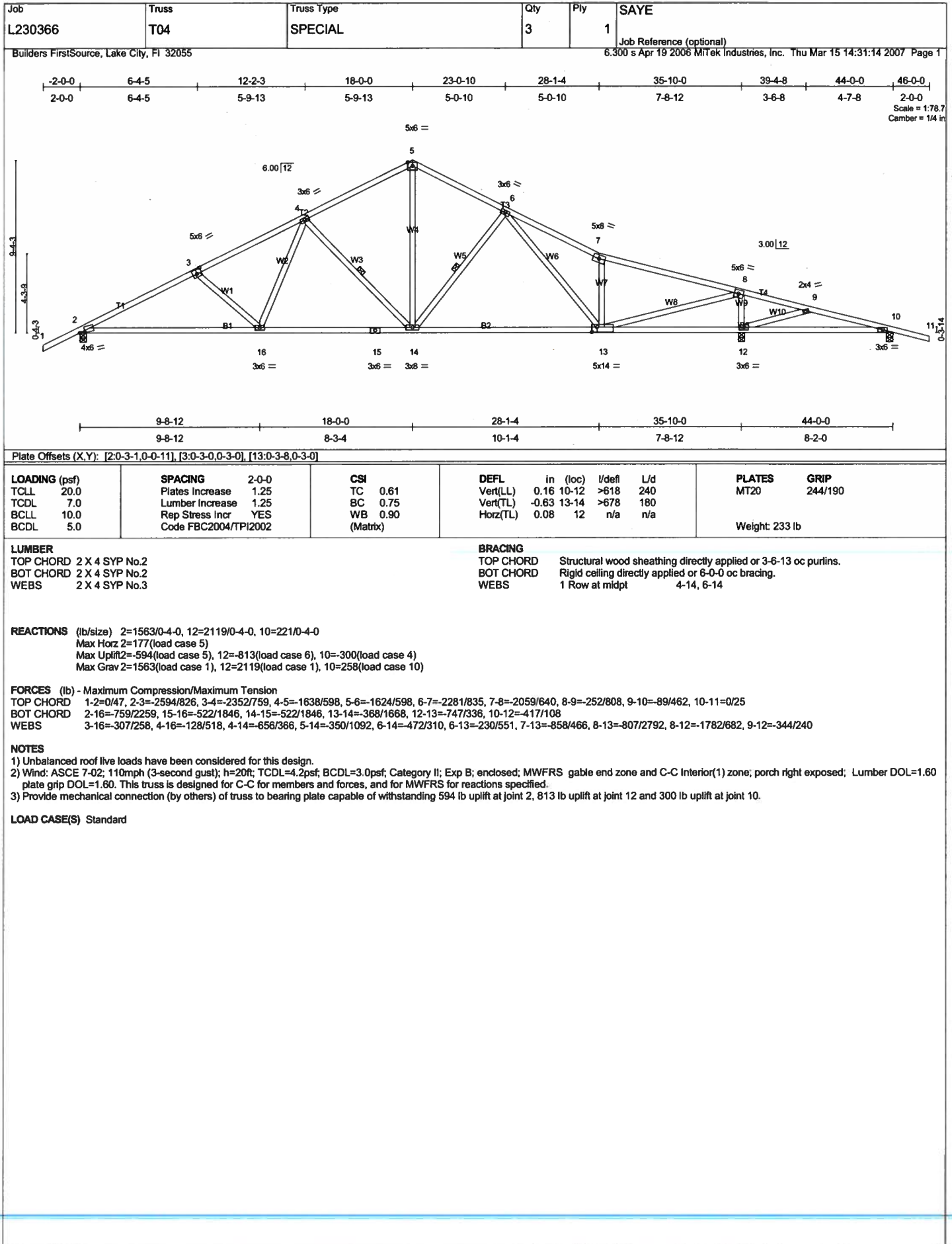
NOTES

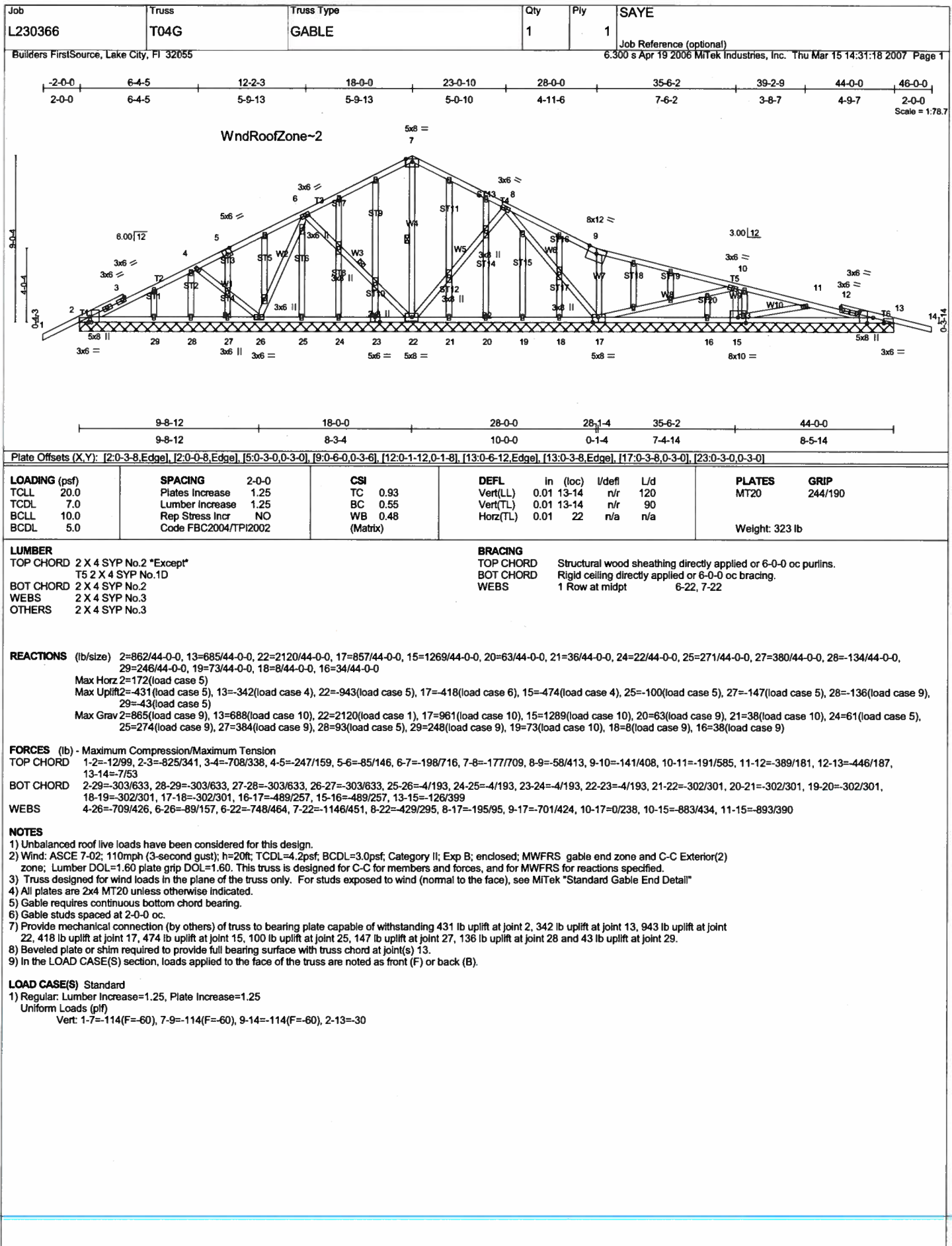
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 573 lb uplift at joint 2, 277 lb uplift at joint 11 and 892 lb uplift at joint 13.

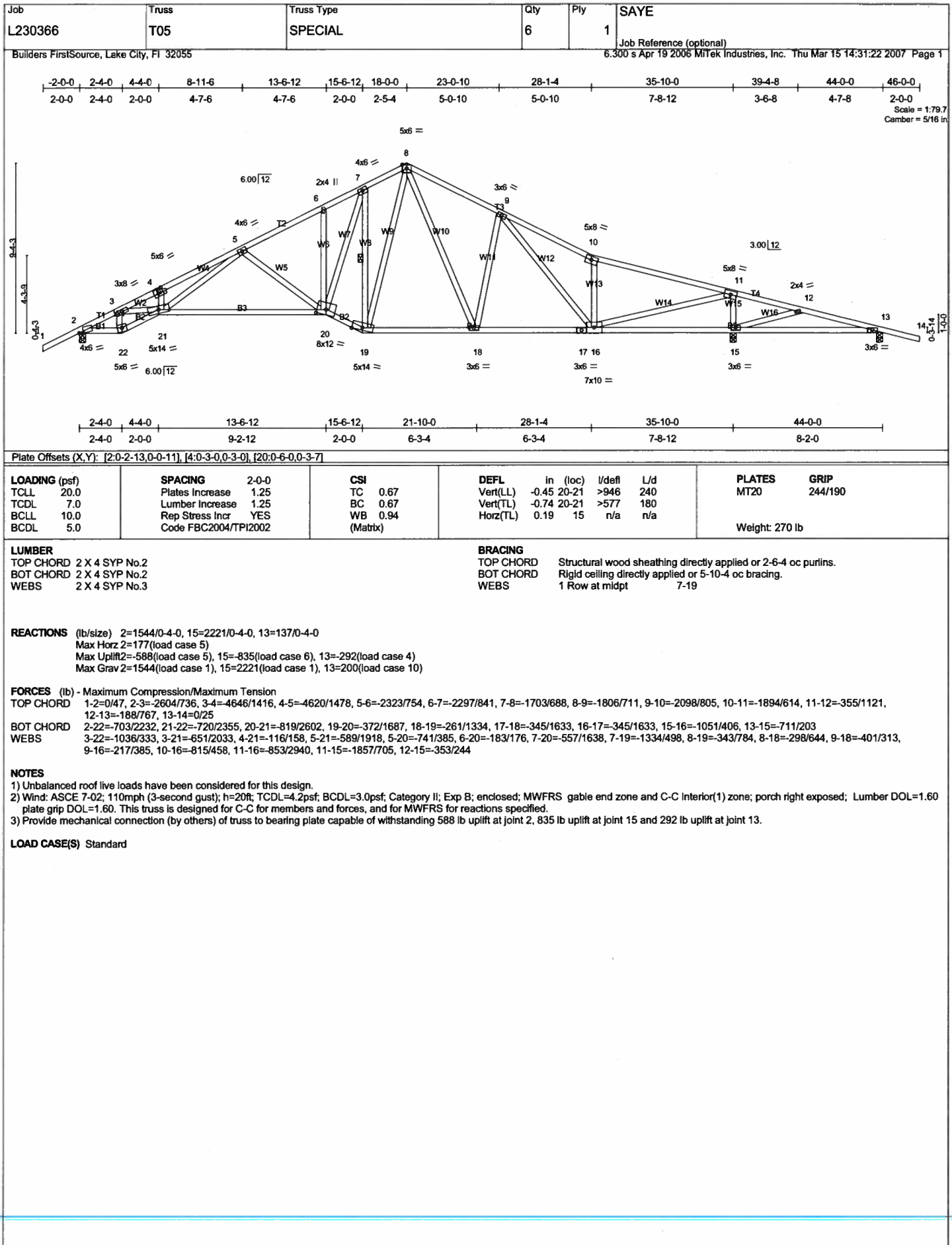
LOAD CASE(S) Standard

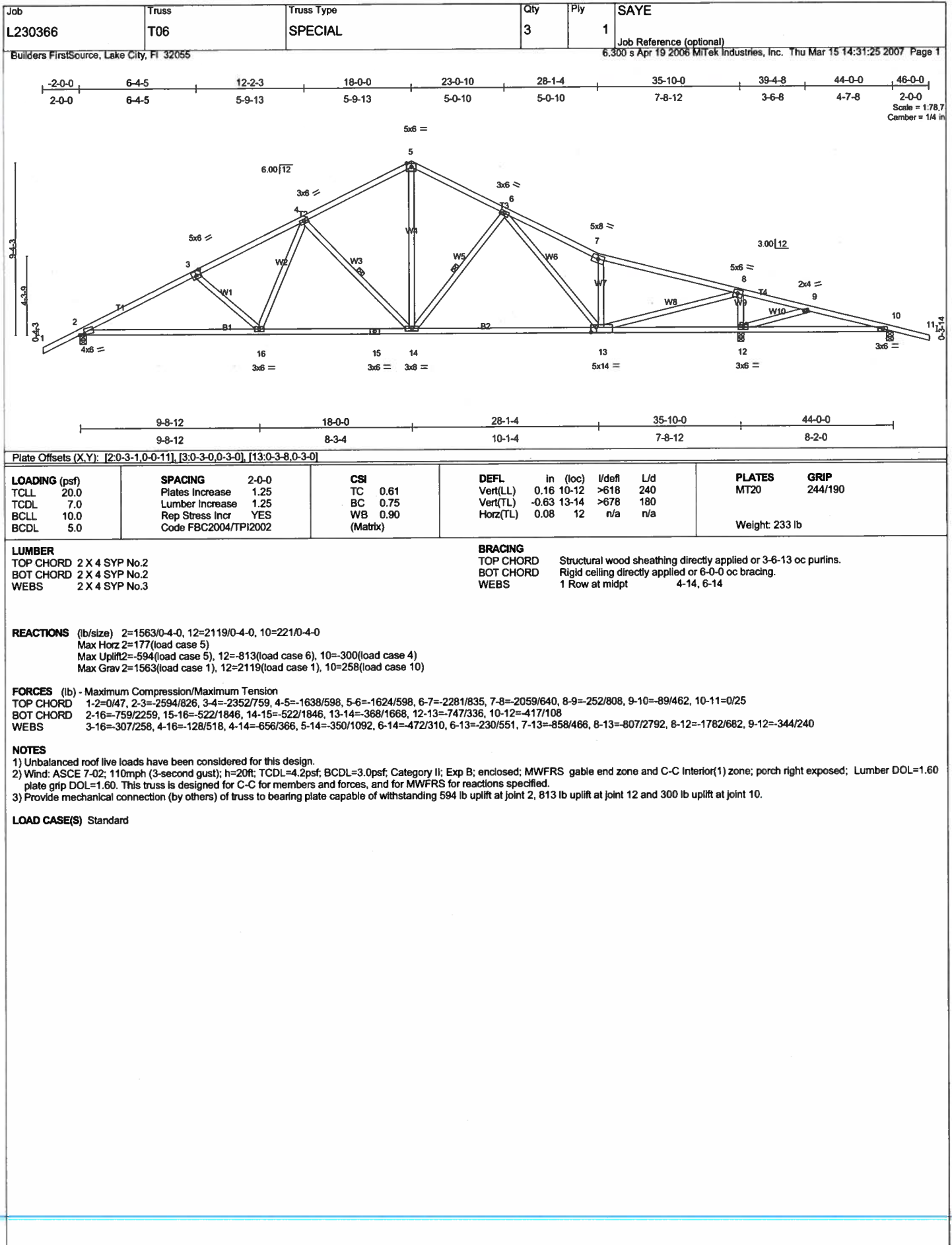
Job L230366	Truss T03	Truss Type SPECIAL	Qty 7	Ply 1	SAYE Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Mar 15 14:31:11 2007 Page 1		









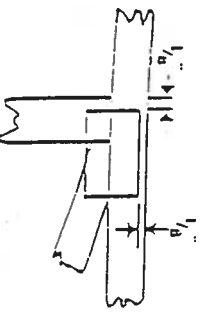


Symbols

PLATE LOCATION AND ORIENTATION



* Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seal.



* For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



* This symbol indicates the required direction of slits in connector plates.

PLATE SIZE



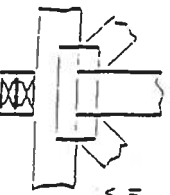
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



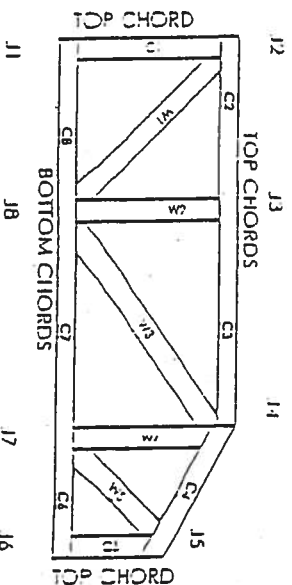
Indicates location of required continuous lateral bracing.

BEARINGS



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DHHR	960022-W, 970036-11
IER	561



MITEL Engineering Reference Sheet: MIT-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and weak areas at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length (1, 6" from adjacent joint).
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with the retention or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, cut in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at (1) 11' spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

© 1993 MITEL Holdings, Inc.

Manual J Summer Calculations

Residential Load - Component Details (continued)

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

3/6/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	17202 Btuh
	Sensible Duct Load	8276 Btuh
	Total Sensible Zone Loads	25478 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25478 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1817 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	3030 Btuh
	Latent occupant gain (3 people @ 200 Btuh per person)	600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5446 Btuh
	TOTAL GAIN	30924 Btuh

EQUIPMENT

1. Central Unit	#	36000 Btuh
-----------------	---	------------

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

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

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

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

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

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

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/6/2007

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, B-D, N,F	NW	1.5ft	7.5ft	33.3	0.0	33.3	19	41	1360	Btuh
2	2, Clear, 0.87, B-D, N,F	NW	1.5ft	6ft.	30.0	0.0	30.0	19	41	1224	Btuh
3	2, Clear, 0.87, B-D, N,F	NE	1ft.	9ft.	6.0	0.0	6.0	19	41	245	Btuh
4	2, Clear, 0.87, B-D, N,F	SE	8ft.	6ft.	60.0	60.0	0.0	19	43	1121	Btuh
5	2, Clear, 0.87, B-D, N,F	SE	14ft.	6ft.	30.0	30.0	0.0	19	43	560	Btuh
6	2, Clear, 0.87, B-D, N,F	SW	1ft.	8ft.	30.0	0.0	30.0	19	43	1304	Btuh
7	2, Clear, 0.87, B-D, N,F	SW	1ft.	7ft.	15.0	0.0	15.0	19	43	652	Btuh
Window Total					204 (sqft)					6466 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1536.0			2.1		3204 Btuh	
Wall Total					1536 (sqft)					3204 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				17.8			9.8		175 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
Door Total					38 (sqft)					371 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			1900.0			1.7		3146 Btuh	
Ceiling Total					1900 (sqft)					3146 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			192 (ft(p))			0.0		0 Btuh	
Floor Total					192.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:										13187 Btuh	
Infiltration	Type	ACH			Volume(cuft)			wall area(sqft)		CFM=	
	SensibleNatural	0.20			14912			1536		49.7	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	3			X 230			+		2400		
Sensible Envelope Load:										17202 Btuh	
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.481)		8276 Btuh	
Sensible Zone Load										25478 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

Code Only
Professional Version
Climate: North

3/6/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	17202 Btuh
	Sensible Duct Load	8276 Btuh
	Total Sensible Zone Loads	25478 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25478 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1817 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	3030 Btuh
	Latent occupant gain (3 people @ 200 Btuh per person)	600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5446 Btuh
	TOTAL GAIN	30924 Btuh

EQUIPMENT

1. Central Unit	#	36000 Btuh
-----------------	---	------------

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

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

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

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

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

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

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Danny Saye
CR 146
Lake City, FL

Project Title:
Saye Residence

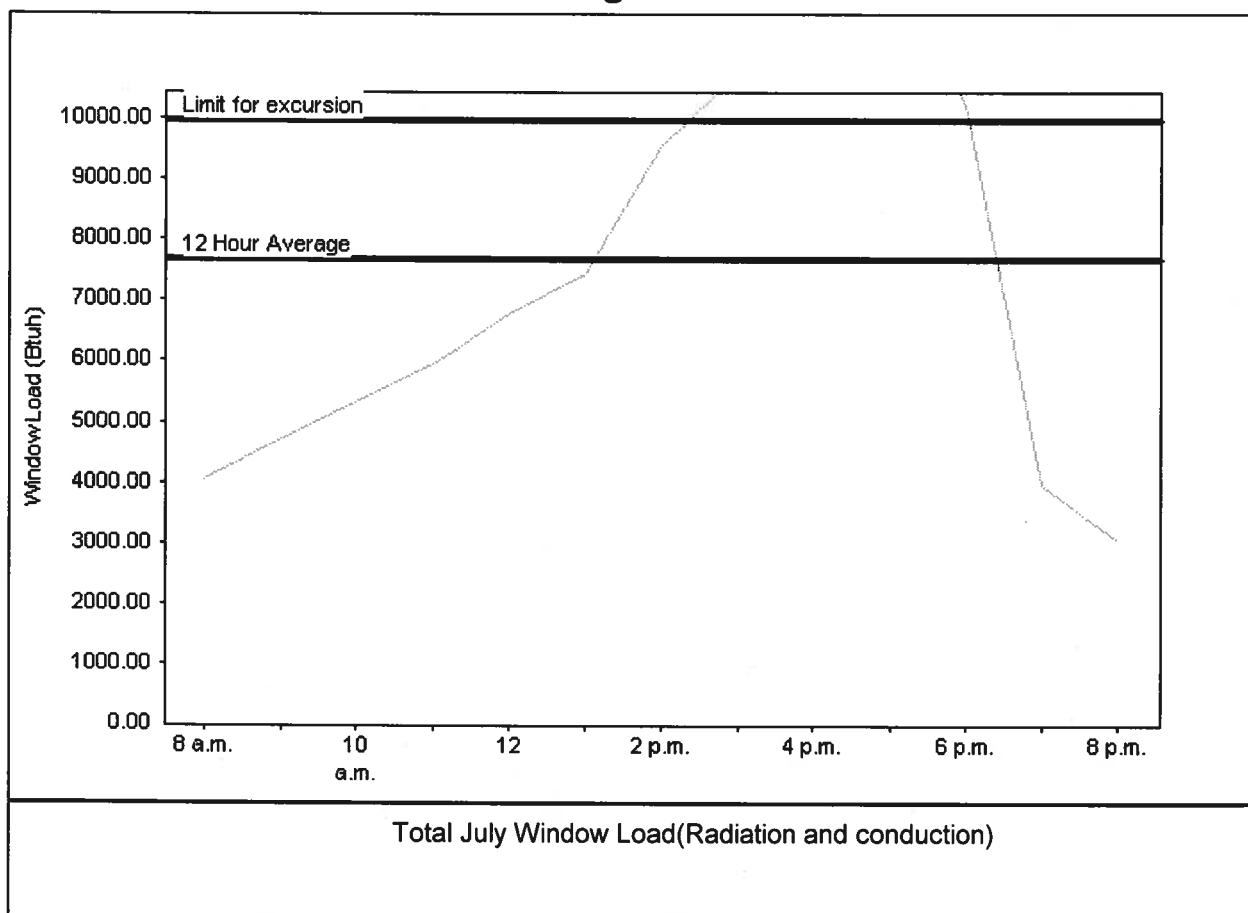
Code Only
Professional Version
Climate: North

3/6/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	7669 Btuh
Summer setpoint	75 F	Peak window load for July	12075 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	9969 Btuh
Latitude	29 North	Window excursion (July)	2106 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: W. J. Saye

DATE: 3/6/07





BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

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

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

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

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

APPROVAL DOCUMENT: Drawing No. S-2149, titled "'Premium Series" 6-8 Single & Double Out-swing Steel Door", sheets 1 through 8, prepared by RW Building Consultants, Inc., dated 3/28/02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact and Non-Impact

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

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

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

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

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

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



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

THERMA-TRU®

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

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

INSULATED STEEL DOOR (Common to all frame conditions)

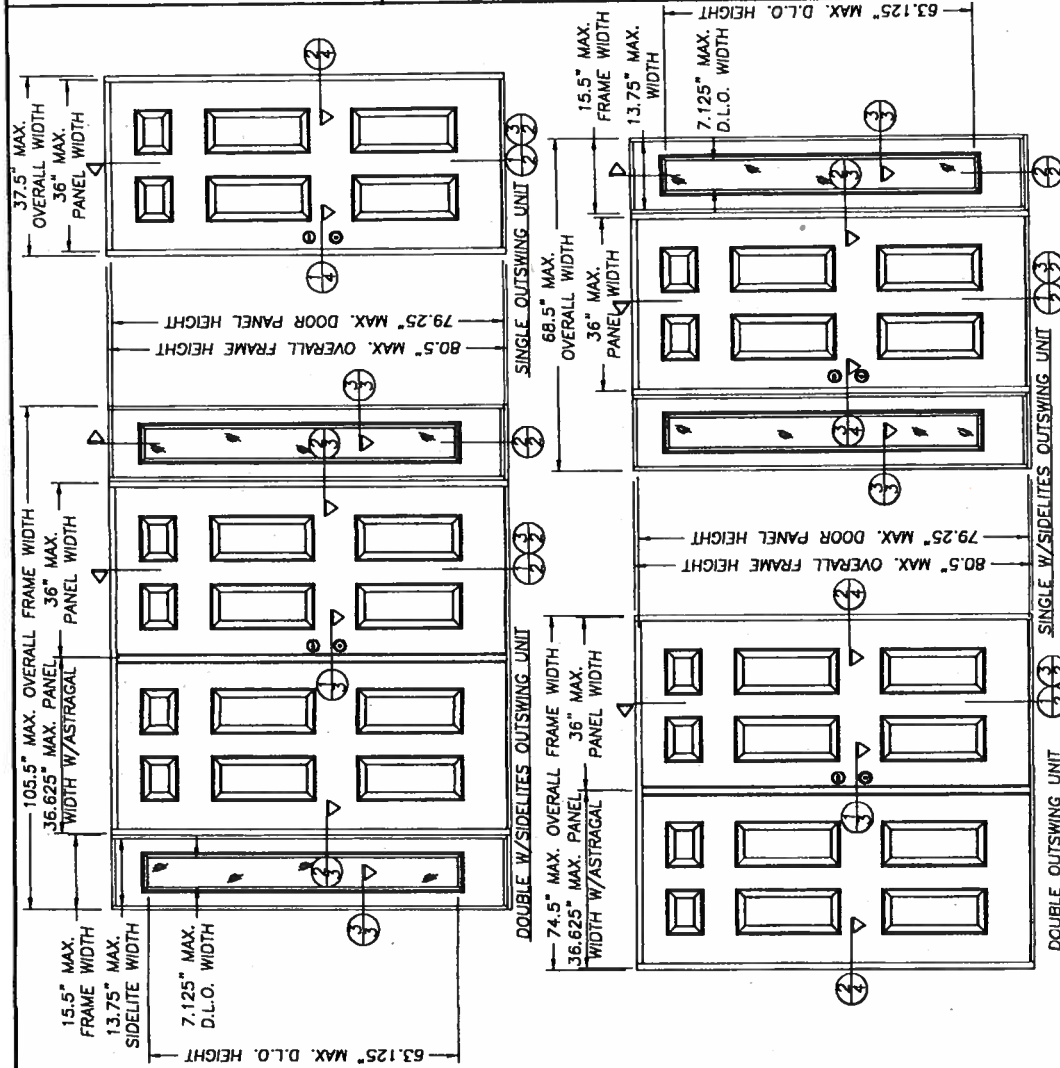
Door & Sidelite Panel Construction:
Face sheets: 24 GA. (0.022") minimum thickness.
Galvanized steel A-525 commercial quality AKQD
per ASTM 620 with yield strength $F_y(\min.) = 38,438$ psi
Core design: Polyurethane foam core,
with 1.9 lbs. density by BASF.
Door Panel Construction: Flush or embossed 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 to the wood stiles at the corners. The sidelite panels are sandwich glazed using a two piece lite frame.
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 PHF Wood Screws (6) screws per each mullion. The unit uses an Outswing Bump/plate 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	ANCHORING LOCATIONS & NOTES
5	ANCHORING LOCATIONS & DETAILS
6	ANCHORING LOCATIONS & GLAZING DETAILS
7	UNIT COMPONENTS
8	BILL OF MATERIALS & UNIT COMPONENTS

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
Permit No. 10-20072
NDA# 01-0326-03
Miami Dade Product Council
Division
By *[Signature]*



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

PRODUCT: "PREMIUM SERIES" 6-8
SINGLE & DOUBLE
OUTSWING STEEL DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATIONS
& GENERAL NOTES

REVISIONS

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

RW BUILDING
CONSULTANTS, INC.
813.664.3831

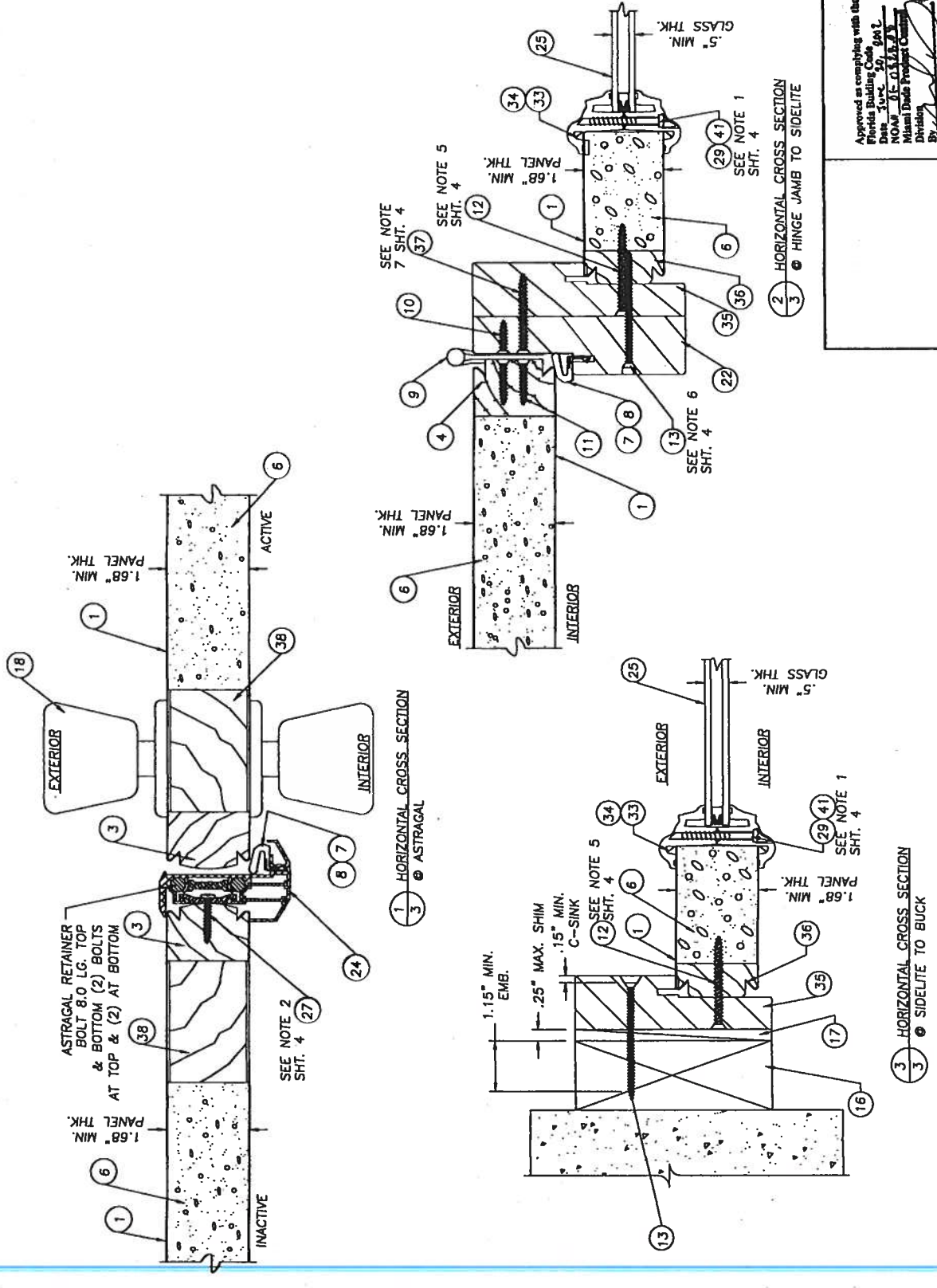
DATE: 08/08/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 1 OF 8

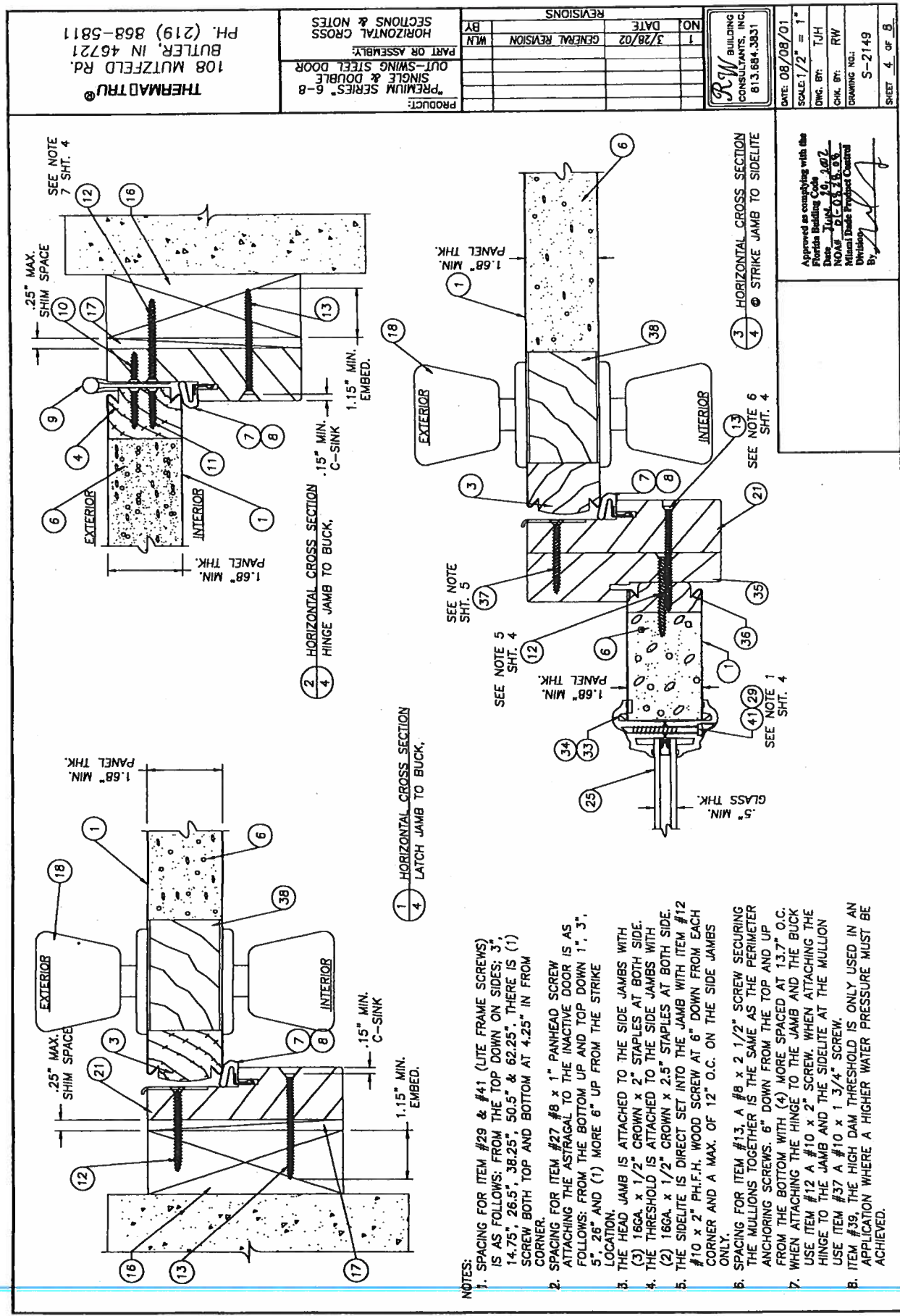
THERMADUR®
 108 MUTZFELD RD.
 BUTLER, IN 46721
 PH. (219) 868-5811

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

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 3 OF 8





- NOTES:
1. 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.
 2. 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.
 3. THE HEAD JAMB IS ATTACHED TO THE SIDE JAMBS WITH (3) 16GA. x 1/2" CROWN x 2" STAPLES AT BOTH SIDE.
 4. THE THRESHOLD IS ATTACHED TO THE SIDE JAMBS WITH (2) 16GA. x 1/2" CROWN x 2.5" STAPLES AT BOTH SIDE.
 5. THE SIDELITE IS DIRECT SET INTO THE JAMB WITH ITEM #12 #10 x 2" P.H.F.H. WOOD SCREW AT 6" DOWN FROM EACH CORNER AND A MAX. OF 12" O.C. ON THE SIDE JAMBS ONLY.
 6. 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.
 8. ITEM #39, THE HIGH DAM THRESHOLD IS ONLY USED IN AN APPLICATION WHERE A HIGHER WATER PRESSURE MUST BE ACHIEVED.

DATE: 08/08/01
SCALE: 1/2" = 1"
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 4 OF 8

REVISIONS

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

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

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

Approved as complying with the
Florida Building Code
Minimum Requirements for
DOORS, WINDOWS, GLASS
AND GLAZING
Division
By: *[Signature]*

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

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

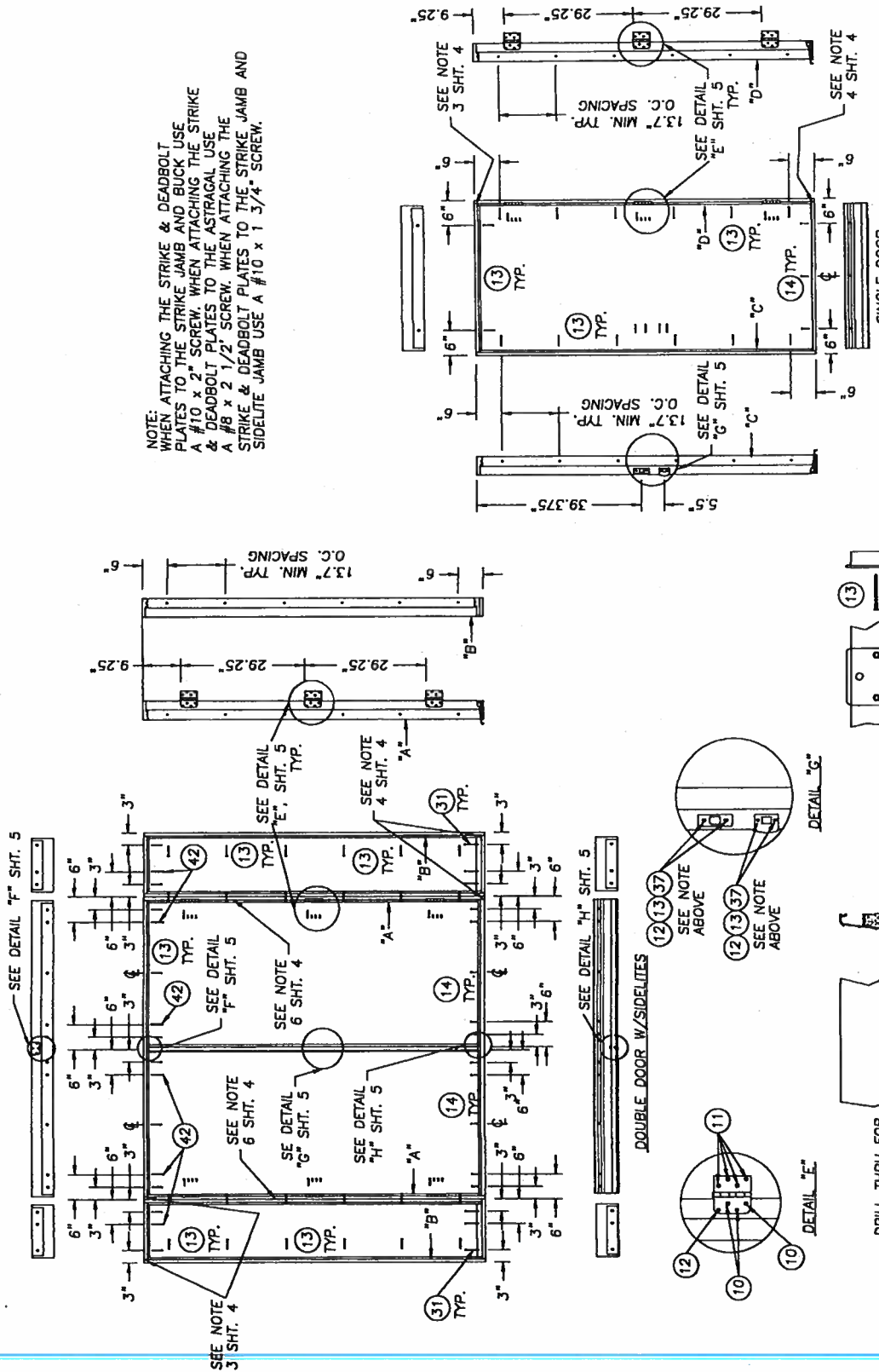
PRODUCT:
"PREMIUM SERIES" 6-8
SINGLE & DOUBLE
OUT-SWING STEEL DOOR
PART OR ASSEMBLY:
ANCHORING LOCATIONS
& DETAILS

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

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

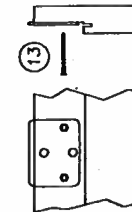
NOTE:
WHEN ATTACHING THE STRIKE & DEADBOLT
PLATES TO THE STRIKE JAMB AND BUCK USE
A #10 x 2" SCREW. WHEN ATTACHING THE STRIKE
& DEADBOLT PLATES TO THE ASTRAGAL USE
A #8 x 2 1/2" SCREW. WHEN ATTACHING THE
STRIKE & DEADBOLT PLATES TO THE STRIKE JAMB AND
SIDELITE JAMB USE A #10 x 1 3/4" SCREW.



Approved as complying with the
Florida Building Code
Date: 3/28/02
NOM: 01-03-24
Miami-Dade County
Division of Building
By: [Signature]

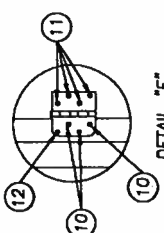
SINGLE DOOR

DETAIL "F"
ATTACH ASTRAGAL THROW BOLT
STRIKE PLATE TO FRAME
AS SHOWN.



DETAIL "H"
ASTRAGAL THROW BOLTS
AT THE THRESHOLD

DRILL THRU FOR
A #.357" BOLT DEEP
ENOUGH FOR A 2"
BOLT THROW



DETAIL "E"

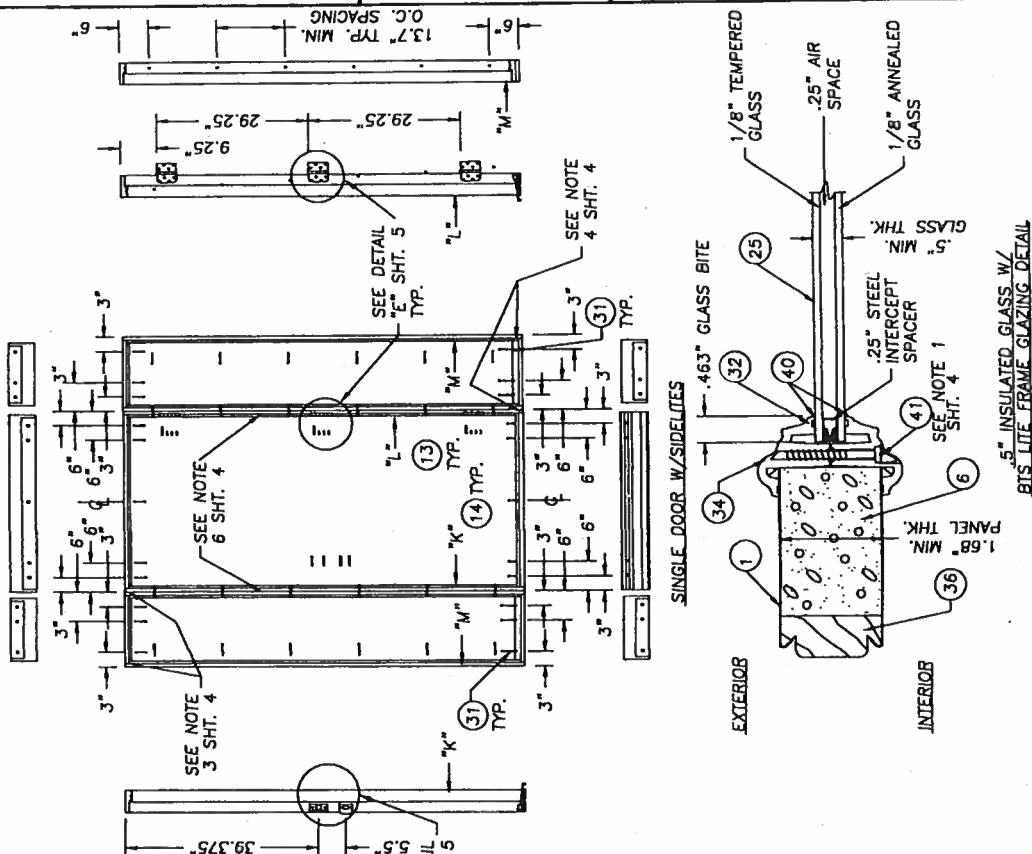
DOUBLE DOOR W/ SIDELITES



SEE NOTE
ABOVE

SEE NOTE
ABOVE

DETAIL "G"



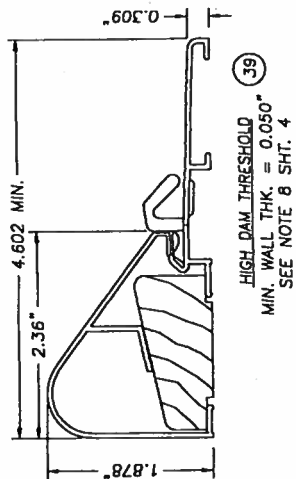
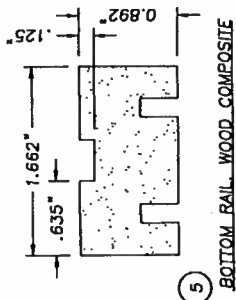
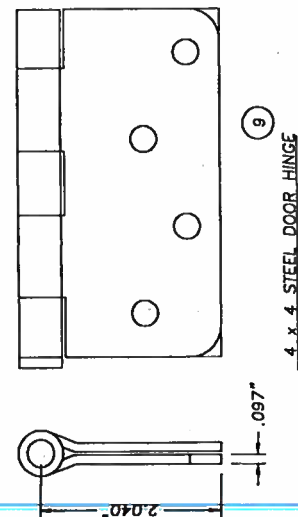
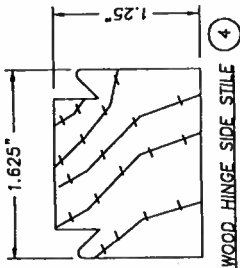
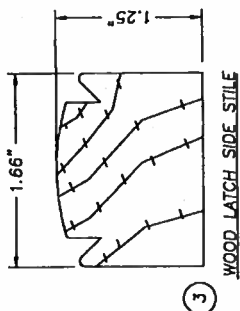
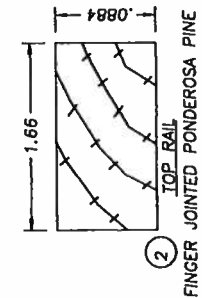
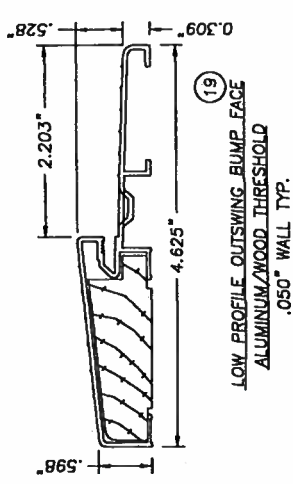
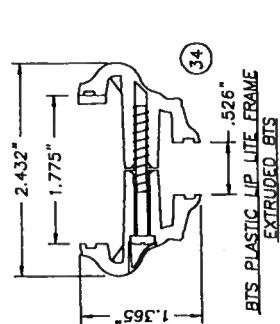
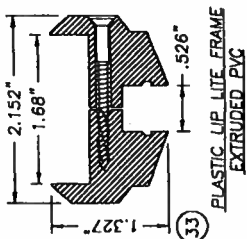
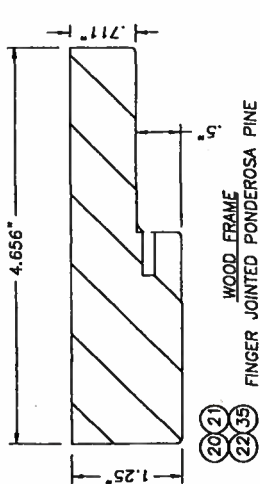
REVISED		NO.	1
DATE		3/28/02	
GENERAL REVISION		WLN	
BY			

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

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

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

Approved as complying with the
Florida Building Code
Date June 20, 2007
NOAR 06-0628-08
Miami Dade Product Control
Division
By [Signature]



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

Approved as complying with the
Florida Building Code
Date: 08/08/01
By: [Signature]
Division: [Signature]
By: [Signature]

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

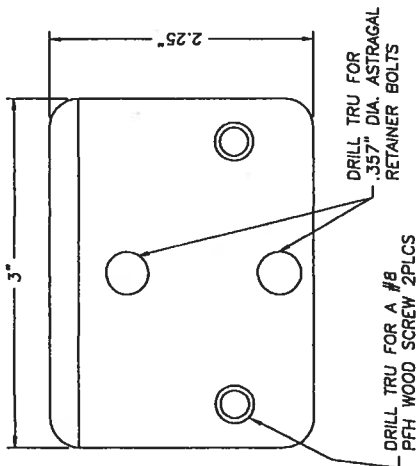
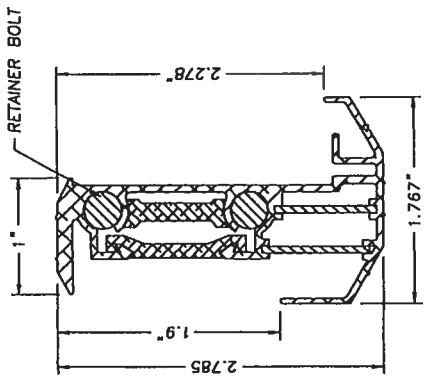
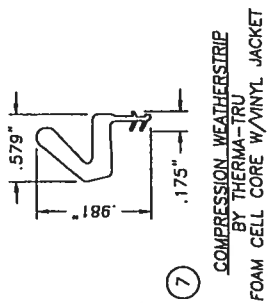
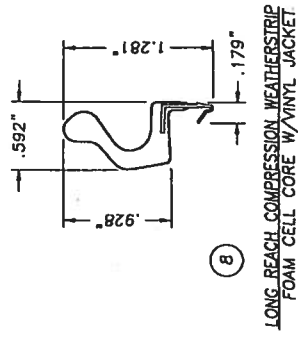
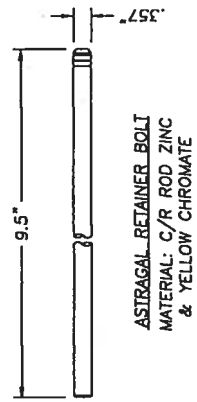
RW BUILDING
CONSULTANTS, INC.
813.684.3831

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

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

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

Item	DESCRIPTION	Material
1	DOOR SKIN, PREMIUM SERIES 24GA. (.022" MIN.)	STEEL
2	TOP RAIL (1.628" x .851" THERMA-TRU PONDEROSA PINE)	WOOD
3	LATCH STILE (THERMA-TRU PONDEROSA PINE 1.66" 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, 1.9IDS. 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 LOW 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 (BTS, THERMA-TRU)	BTS
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



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

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

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

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

BUILDING CONSULTANTS, INC.
813.884.3831

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

Approved as complying with the
Florida Building Code, 2001
Date: 8/8/01
By: [Signature]
NOMAP
Miami Dade Product Control
Division



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

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

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

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

DESCRIPTION: TAMKO Heritage Declaration & Heritage XL Roof Shingles

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

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

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

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

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

This consists of pages 1 through 4.

The submitted documentation was reviewed by Frank Zuloaga, RRC



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

ROOFING ASSEMBLY APPROVAL

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

1. SCOPE:

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

2. PRODUCT DESCRIPTION

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

3. EVIDENCE SUBMITTED:

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

4. LIMITATIONS

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

5. INSTALLATION

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

6. LABELING

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

7. BUILDING PERMIT REQUIREMENTS

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

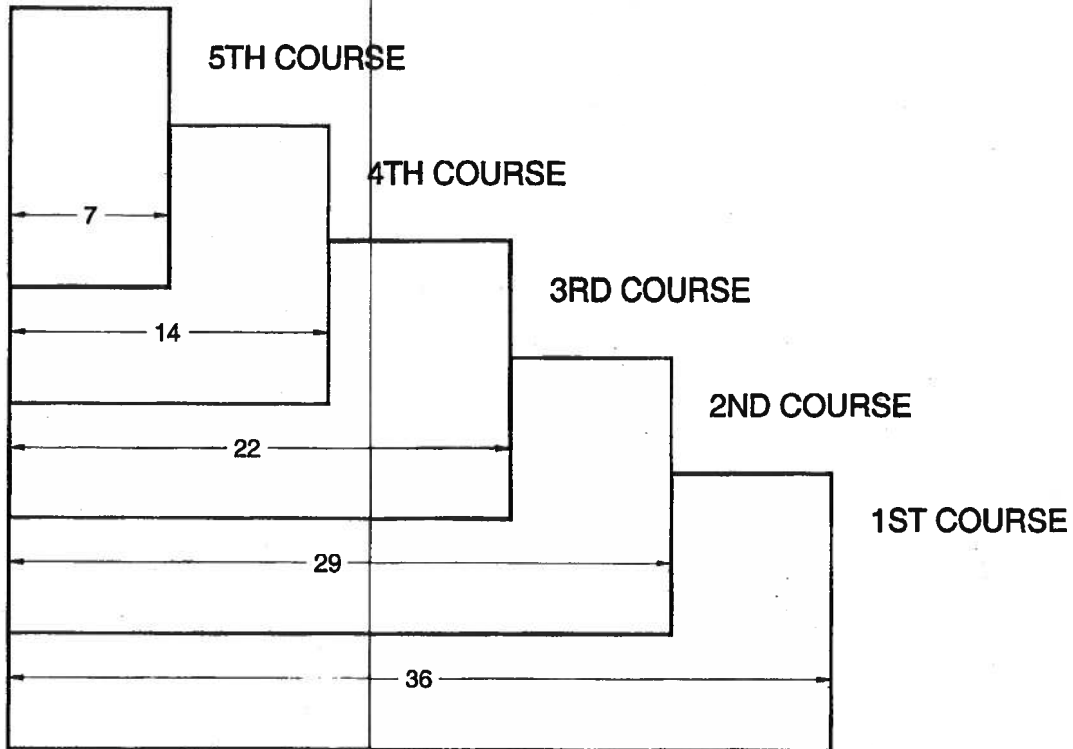


NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03
Page 2 of 4

DETAIL A

HERITAGE DECLARATION & XL

All dimensions are in inches.



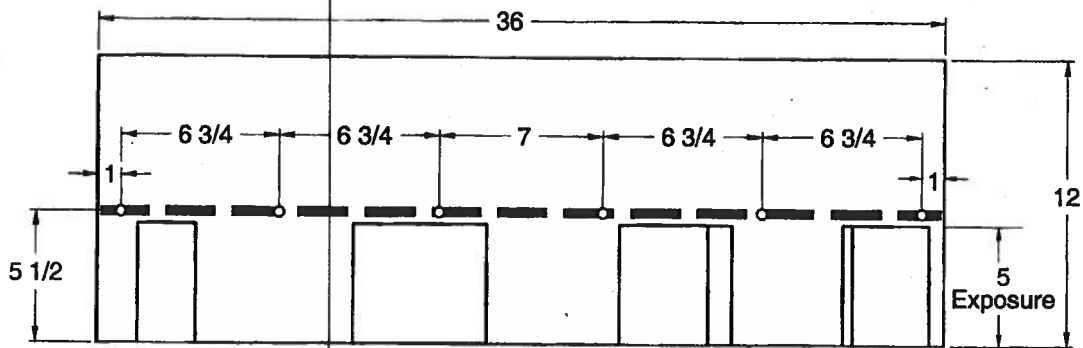
NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03
Page 3 of 4

DETAIL B

HERITAGE DECLARATION

12" x 36" LAMINATED SHINGLE

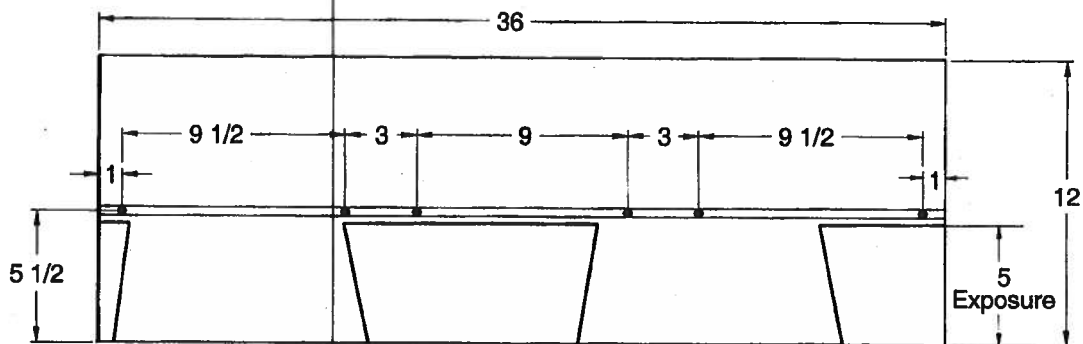
All dimensions are in inches.



HERITAGE XL

12" x 36" LAMINATED SHINGLE

All dimensions are in inches.



END OF THIS ACCEPTANCE



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



**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 D485/D3485" Aluminum Sliding Patio Door

APPROVAL DOCUMENT: Drawing No. S-2425, titled "Non-Impact Aluminum Sliding Patio Door Up to 6'0 x 6'8", sheets 1 through 5 of 5, prepared by R.W. Building Consultants, Inc., dated 12/18/03, signed and sealed by Lyndon F. Schmidt, 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.**

2/13/2004



**NOA No 03-1224.01
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.

Drawing No. S-2425, titled "Non-Impact Aluminum Sliding Patio Door Up to 6'0 x 6'8", sheets 1 through 5 of 5, prepared by R.W. Building Consultants, Inc., dated 12/18/03, signed and sealed by Lyndon F. Schmidt, 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 patio door, prepared by Architectural Testing, Test Report No. ATI-03064 dated 12/17/03, signed and sealed by Steven M. Urich, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by R.W. Building Consultants, Inc., dated 12/22/03, signed and sealed by Lyndon Schmidt, P.E.
2. Revised Anchor Calculations and structural analysis, prepared by R.W. Building Consultants, Inc., dated 02/10/03, signed and sealed by Lyndon Schmidt, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

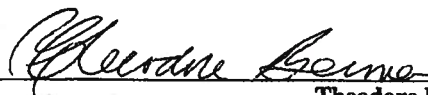
1. None.

F. STATEMENTS

1. Statement letter of compliance and of no financial interest, dated 12/18/03, signed and sealed by Lyndon F. Schmidt, P.E.
2. Letter from MI Home Products, Inc., dated 11/08/03, stating that they have no financial interest with the laboratory that performed the testing of their products, signed by Stu White.

G. OTHER

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



Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-1224.01

Expiration Date: March 04, 2009

Approval Date: March 04, 2004

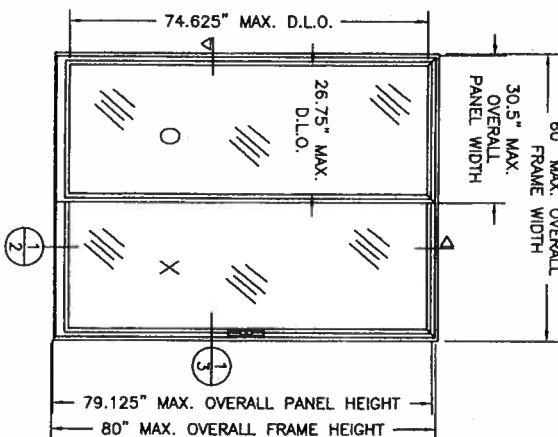
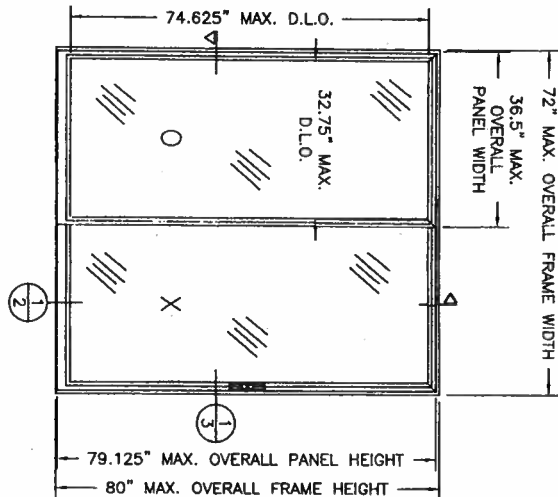


**SERIES BETTERBILT D485/D3485
ALUMINUM SLIDING PATIO DOOR**

1. **GENERAL NOTE:**
THIS SYSTEM IS DESIGNED TO COMPLY WITH THE HVHZ 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 WINDOW/DOOR DEBRIS PROTECTION.
6. THIS PRODUCT MEETS WATER REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES.

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

DESIGN PRESSURE RATING
+57.52 PSF -74.0 PSF



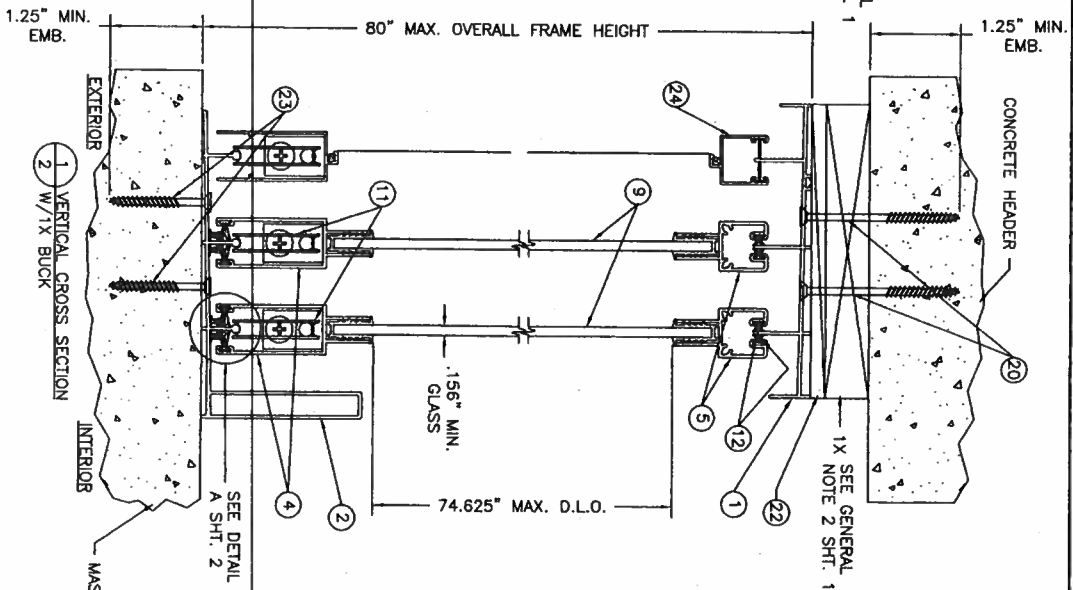
ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

~~6'0" x 6'8" PATIO DOOR~~

~~5'0" x 6'8" PATIO DOOR~~

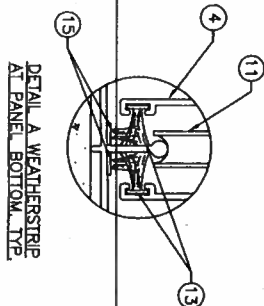
Approved as complying with the
Federal Building Code
Date 05-04-04
NOA# 05-1274-01
Alliant Data Freedom Center/
Detroit
Michael Dean

DRAWING NO.: S-2425	CHK. BY: RW	DATE: 12/14/03	SCALE: N.T.S.	DATE: 12/16/03	NO.	DATE	BY	REVISIONS	PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0" x 6'0"	Product Approval Documents Prepared By: RW BUILDING CONSULTANTS, INC. P.O. Box 232 Vero Beach, FL 33595 Phone No.: 813.659.9187 Florida Board of Professional Engineers Certificate of Authorization No. 9813 12/22/03 Lyndon F. Schmidt, P.E. NO. 43409
									PART OR ASSEMBLY: GENERAL NOTES & TYPICAL ELEVATIONS	




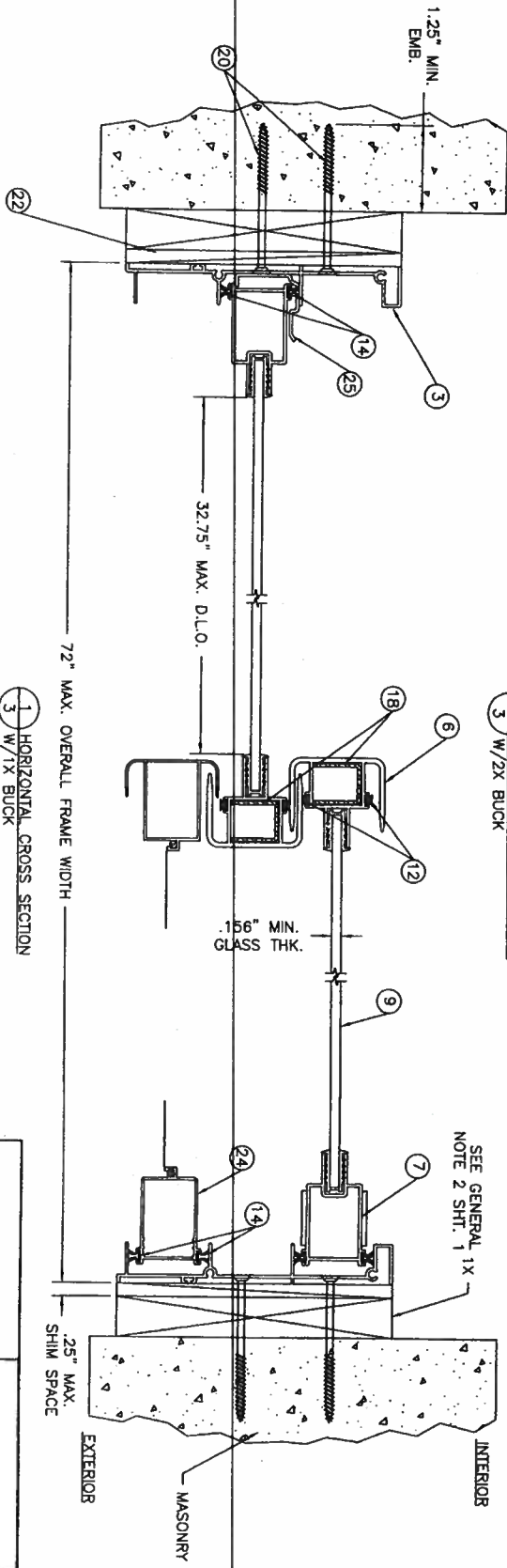
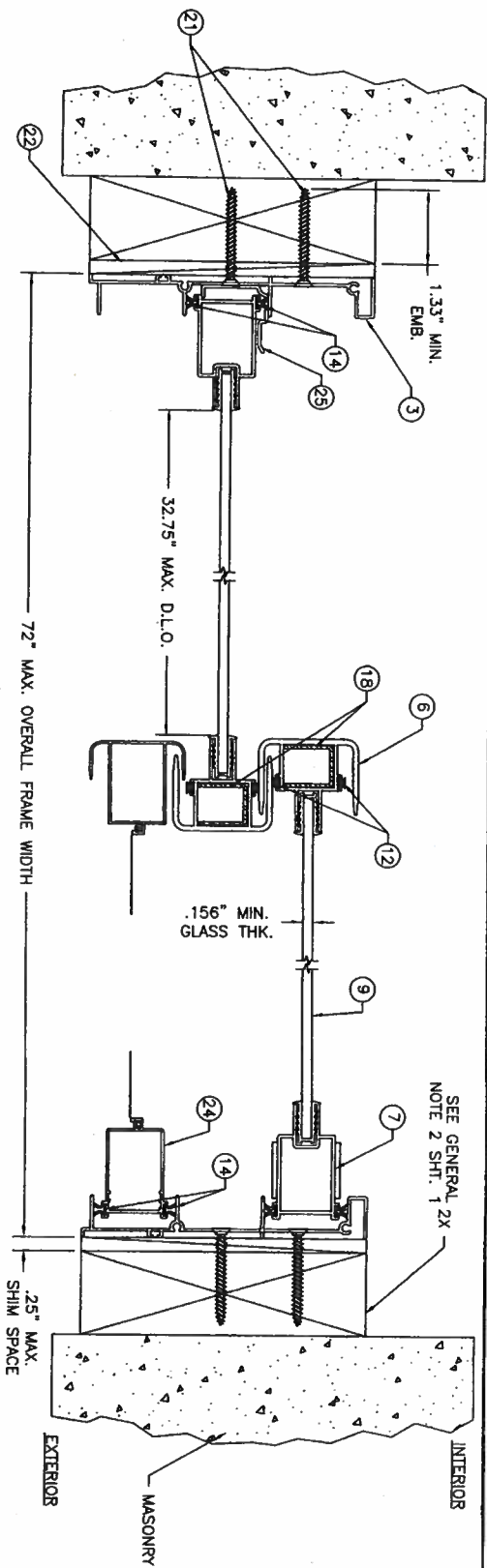
FRAME CONSTRUCTION NOTE:
THE FRAME CORNERS ARE BUTTED AND SECURED WITH (2) ITEM #19, A $\frac{1}{8}$ x $\frac{5}{8}$ " FLAT HEAD SCREW, AT EACH CORNER THROUGH THE HEAD AND SILL INTO THE JAMB SCREW BOSS.

PANEL CONSTRUCTION NOTE:
THE PANELS CORNERS ARE BUTTED AND SECURED WITH (2) $\frac{1}{8}$ x $\frac{3}{4}$ " PAN HEAD SCREWS LOCATED THROUGH THE PANEL JAMBS AND INTO THE PANEL HEAD AND SILL SCREW BOSS.



Approved as complying with the Florida Building Code
Date: 05/04/04
NOAB 05/22/04
Noted: [Signature] President
[Signature] Secretary
[Signature] [Signature] [Signature]

SHEET <u>2</u> OF <u>5</u> S-2425	DATE <u>12/18/03</u> SCALE <u>N.T.S.</u> DWG. BY: <u>TJH</u> CHK. BY: <u>RAM</u> DRAWING NO.:	NO. <u> </u> DATE <u> </u> BY <u> </u>	PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0" x 6'8"	Product Approval Documents Prepared By: <i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197
		REVISIONS	PART OR ASSEMBLY: VERTICAL CROSS SECTIONS & CONSTRUCTION NOTES	Florida Board of Professional Engineers Certificate Of Authorization No. 9813  Lyndon F. Schmidt, P.E. NO. 43409
				12/22/03



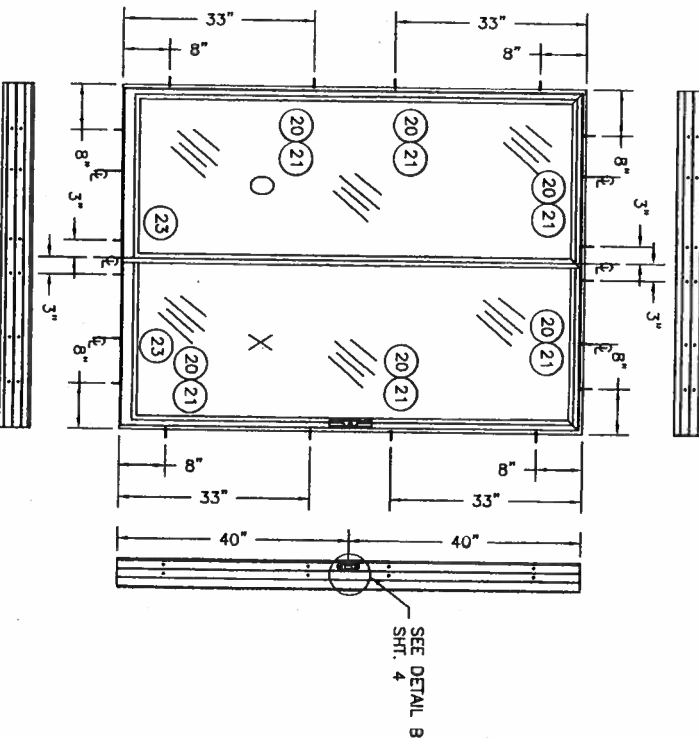
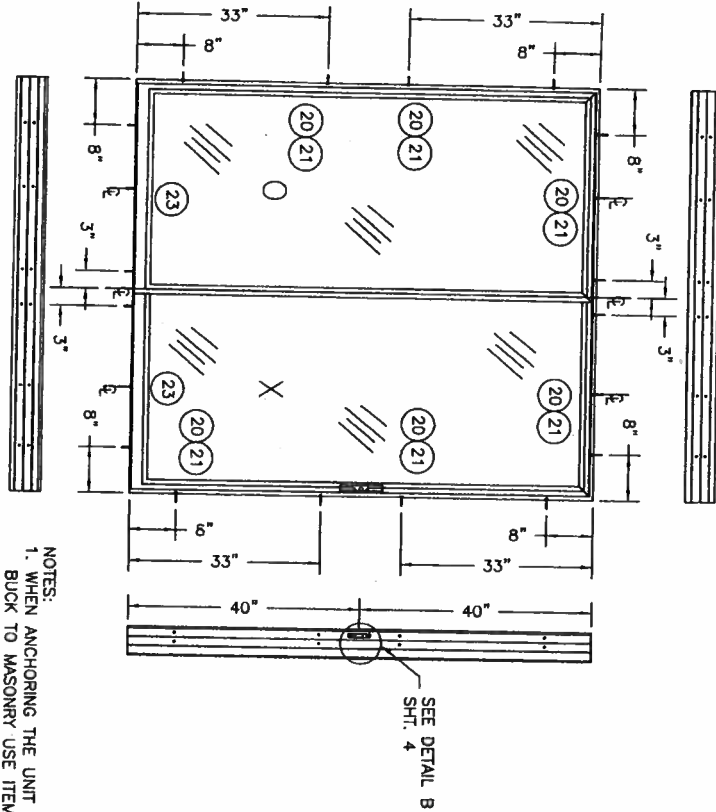
Approved as existing with the
 Building Consultant, Inc.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.859.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9343
 12/22/03
 Lyndon F. Schmidt, P.E. NO. 43409

DATE: 12/18/03
 SCALE: N.T.S.
 DMR. BY: T.H.
 CHK. BY: RW
 DRAWING NO.: S-2425
 SHEET 3 OF 5

NO.	DATE	REVISIONS	BY

PRODUCT:
 NON-IMPACT ALUMINUM
 SLIDING PATIO DOOR
 UP TO 6'0" x 6'8"
 PART OR ASSEMBLY:
 HORIZONTAL CROSS
 SECTIONS

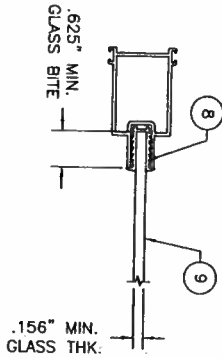
Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.859.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9343
 12/22/03
 Lyndon F. Schmidt, P.E. NO. 43409



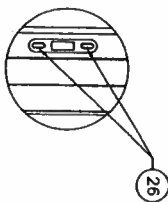
6'0" x 6'8" PATIO DOOR
SEE NOTES SHT. 4

5'0" x 6'8" PATIO DOOR
SEE NOTES SHT. 4

- NOTES:
1. WHEN ANCHORING THE UNIT TO A 2X BUCK TO MASONRY USE ITEM #21, A #10 x 1 3/4" PHILLIPS FLAT HEAD SHEET METAL SCREW AT THE HEAD AND SIDES.
 2. WHEN ANCHORING THE UNIT THROUGH A 1X BUCK INTO MASONRY USE ITEM #20, A 3/16" x 2 3/4" TAPCON ANCHOR AT THE HEAD AND SIDES.
 3. USE (2) ANCHORS PER EACH ANCHORING LOCATION SHOWN ABOVE.



5/32" TEMPERED GLASS
GLAZING DETAIL



DETAIL B
JAMB KEEPER ATTACHMENT

DATE: 12/18/03	SCALE: N.T.S.	DWG. BY: T.J.H.	CHECK BY: R.W.	DRAWING NO.: S-2425
Approved as complying with the Florida Building Code Chapter 6, Part 1, Section 601.2 and Chapter 6, Part 1, Section 601.3 by <i>Lyndon F. Schmidt, P.E.</i>				

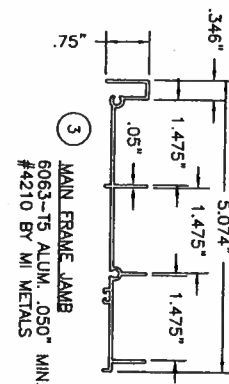
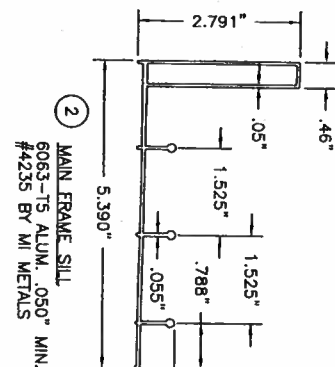
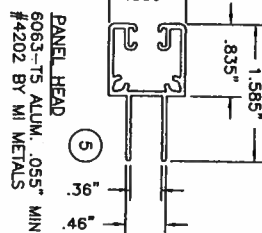
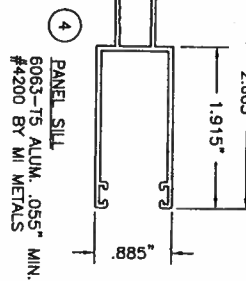
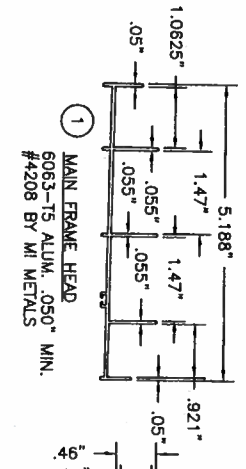
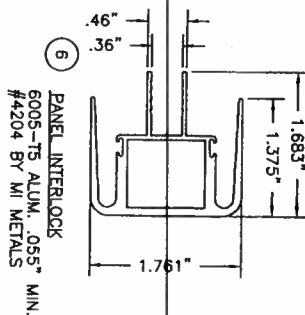
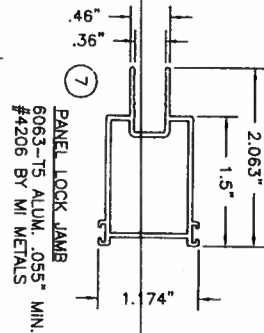
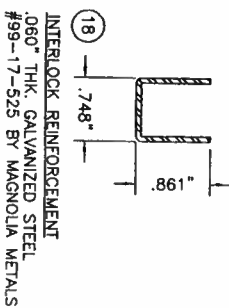
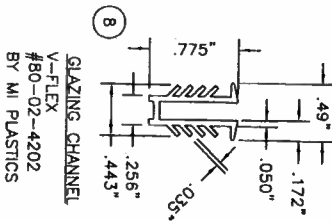
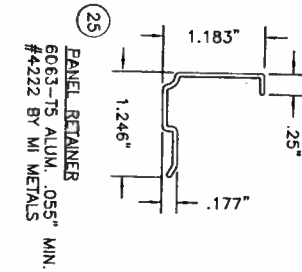
PRODUCT:
NON-IMPACT ALUMINUM
SLIDING PATIO DOOR
UP TO 6'0" x 6'8"

PART OR ASSEMBLY:
ANCHORING LOCATIONS
& GLAZING DETAILS

Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate of Authorization No. 8813
RW
12/22/03
Lyndon F. Schmidt, P.E. NO. 43409

NO.	DATE	REVISIONS	BY
1			
2			
3			
4			

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	EXTRUDED ALUM. MAIN FRAME HEAD #4208 BY MI METALS	ALUM.
2	EXTRUDED ALUM. MAIN FRAME SILL #4235 BY MI METALS	ALUM.
3	EXTRUDED ALUM. MAIN FRAME JAMB #4210 BY MI METALS	ALUM.
4	EXTRUDED ALUM. PANEL SILL #4200 BY MI METALS	ALUM.
5	EXTRUDED ALUM. PANEL HEAD #4202 BY MI METALS	ALUM.
6	EXTRUDED ALUM. PANEL INTERLOCK #4204 BY MI METALS	ALUM.
7	EXTRUDED ALUM. PANEL LOCK JAMB #4206 BY MI METALS	ALUM.
8	GLAZING CHANNEL #80-02-4202 BY MI PLASTICS	V-FLEX
9	GLAZING 5/32" TEMPERED GLASS	GLASS
10	MORTISE HANDLE SET #99-04-150 BY THRU HARDWARE	STEEL
11	TANDEN PANEL ROLLER #99-17-195 BY ULTRA	STEEL
12	CENTER FIN SEAL .180 x .250 PANEL HEAD & INTERLOCK BY AMESBURY	SYN. PILE
13	SIDE FIN SEAL .180 x .350 PANEL SILL BY AMESBURY	SYN. PILE
14	CENTER FIN SEAL .187 x .290 PANEL JAMB BY AMESBURY	SYN. PILE
15	NO FIN SEAL .270 x .290 SILL BY AMESBURY	STEEL
16	6 x 3/4" SQ. DR. SCREW PANEL HEAD TO JAMB	STEEL
17	1/4" - 20 x 3/4" SQ. DR. SCREW FOR PANEL ASSEMBLY	STEEL
18	INTERLOCK REINFORCEMENT #99-17-525 BY MAGNOLIA METALS	STEEL
19	8 x 5/8" FLAT HEAD SCREW FRAME CORNERS	STEEL
20	3/16" x 2 3/4" TAPCON ANCHOR	STEEL
21	10 x 1 3/4" SHEET METAL SCREW	STEEL
22	1/4" MAX. SHIM MATERIAL	-
23	3/16" x 1 3/4" TAPCON ANCHOR	STEEL
24	ROLLING SCREEN DOOR ASSEMBLY	-
25	EXTRUDED ALUM. PANEL RETAINER #4222 BY MI METALS	ALUM.
26	48 x 2" PHILIPS PAN HEAD SHEET METAL SCREW	STEEL



Approved for construction with the
 Building Consultants, Inc.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 0813
 12/22/03
 Lyndon F. Schmidt, P.E. NO. 43409

DATE 12/18/03
 SCALE N.T.S.
 CHK. BY: TWH
 DRAWING NO.: S-2425
 SHEET 5 OF 5

PRODUCT:
 NON-IMPACT ALUMINUM
 SLIDING PATIO DOOR
 UP TO 6'0" x 6'8"

PART OR ASSEMBLY:
 BILL OF MATERIALS &
 UNIT COMPONENTS

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 0813
 12/22/03
 Lyndon F. Schmidt, P.E. NO. 43409

NO. DATE BY REVISIONS



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 "BetterBuilt 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

2/13/2003

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

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.
6. INSTALLATION OF THIS SYSTEM OUTSIDE OF HVHZ SHALL MEET THE APPLICABLE CODE REQUIREMENTS FOR WINDBORNE DEBRIS PROTECTION.
7. THIS PRODUCT MEETS WATER REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES.

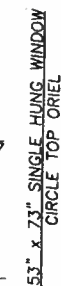
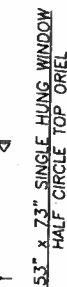
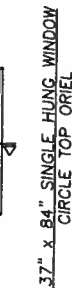


TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	GENERAL NOTES & TYPICAL ELEVATIONS
2	VERTICAL CROSS SECTIONS
3	HORIZONTAL CROSS SECTIONS & GLAZING DETAIL
4	ANCHORING LOCATIONS
5	COMPONENTS, BILL OF MATERIALS

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

ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

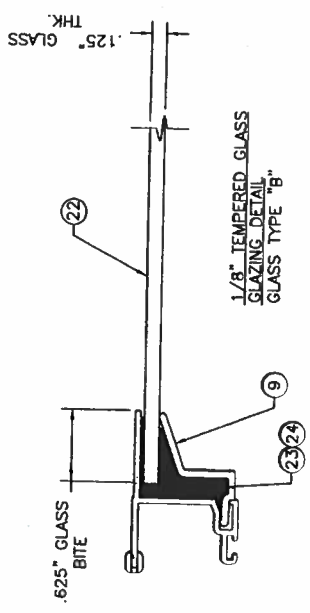
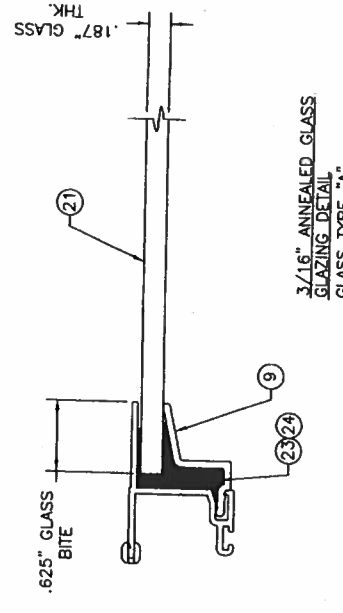
Approved as complying with the
Planning Building Code
Date 03/03/04
NOAR 03-145-02
Additional Trade Permits Needed
Divided
By Freedom Scanner

DATE: 10/27/03							
				NO.	DATE		
				2	10/04	CORRECT DP TABLE	RW
				1	01/04	REVISED PER DATE LETTER	WH
							BY
REVISIONS							
PRODUCT:							
NON-IMPACT SINGLE HUNG WINDOW RECTANGLE							
CIRCLE TOP & ORIEL							
PART ON ASSEMBLY:							
GENERAL NOTES & TYPICAL ELEVATIONS							

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.639.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
 2/10/04
 Wendell Heller, P.E. No. 54158

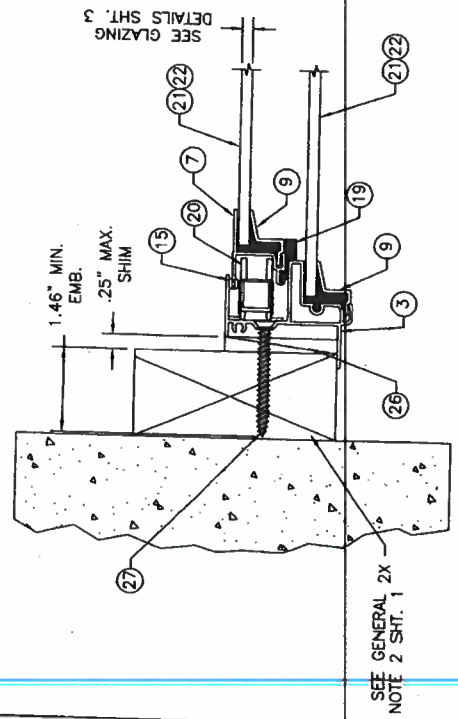
REVISIONS			
NO.	DATE	REVISION	BY
1	01/04	CORRECT PER DATE LETTER	WH
2	2/10/04	CORRECT DP TABLE	RW

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

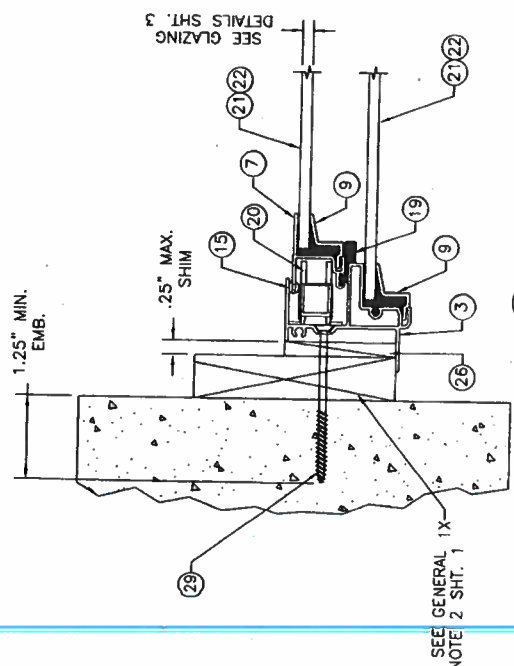


- NOTES:
1. THE MAIN FRAME HEAD, SIDES AND SILL ARE CONNECTED TOGETHER AT EACH CORNER WITH (2) ITEM #11, A #8 x 3/4" PHILLIPS PAN HEAD SCREW. THE SCREWS RUN FROM THE HEAD DOWN INTO THE SIDES AND FROM THE SILL UP INTO THE SIDES.
 2. THE FIXED MEETING RAIL IS SECURED TO THE SIDES WITH (2) EACH SIDE ITEM #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 06/10/04
 Name: [Signature]
 Title: [Signature]
 By: [Signature]

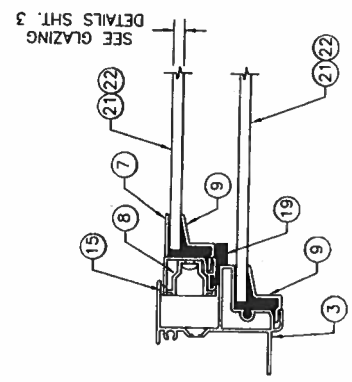


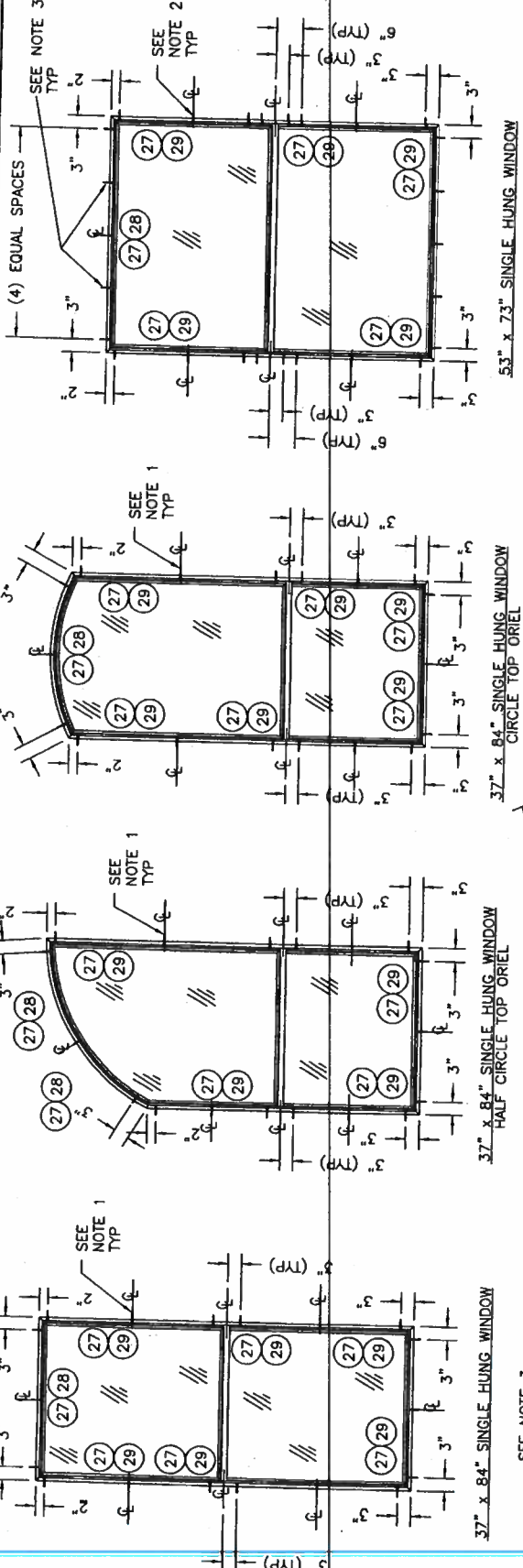
1 HORIZONTAL CROSS SECTION
3 W/2X BUCK



1 HORIZONTAL CROSS SECTION
3 W/1X BUCK

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





- 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.

Product Approved Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice, FL 33595
 Phone No.: 813.553.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 8813
 2/10/04
 Wendell H. Hays, P.E. No. 54158

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

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

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

Approved as complying with the
 Florida Building Code
 Chapter 10, Part 10.1
 Section 10.1.1
 Section 10.1.2
 Section 10.1.3
 Section 10.1.4
 Section 10.1.5
 Section 10.1.6
 Section 10.1.7
 Section 10.1.8
 Section 10.1.9
 Section 10.1.10
 Section 10.1.11
 Section 10.1.12
 Section 10.1.13
 Section 10.1.14
 Section 10.1.15
 Section 10.1.16
 Section 10.1.17
 Section 10.1.18
 Section 10.1.19
 Section 10.1.20
 Section 10.1.21
 Section 10.1.22
 Section 10.1.23
 Section 10.1.24
 Section 10.1.25
 Section 10.1.26
 Section 10.1.27
 Section 10.1.28
 Section 10.1.29
 Section 10.1.30
 Section 10.1.31
 Section 10.1.32
 Section 10.1.33
 Section 10.1.34
 Section 10.1.35
 Section 10.1.36
 Section 10.1.37
 Section 10.1.38
 Section 10.1.39
 Section 10.1.40
 Section 10.1.41
 Section 10.1.42
 Section 10.1.43
 Section 10.1.44
 Section 10.1.45
 Section 10.1.46
 Section 10.1.47
 Section 10.1.48
 Section 10.1.49
 Section 10.1.50
 Section 10.1.51
 Section 10.1.52
 Section 10.1.53
 Section 10.1.54
 Section 10.1.55
 Section 10.1.56
 Section 10.1.57
 Section 10.1.58
 Section 10.1.59
 Section 10.1.60
 Section 10.1.61
 Section 10.1.62
 Section 10.1.63
 Section 10.1.64
 Section 10.1.65
 Section 10.1.66
 Section 10.1.67
 Section 10.1.68
 Section 10.1.69
 Section 10.1.70
 Section 10.1.71
 Section 10.1.72
 Section 10.1.73
 Section 10.1.74
 Section 10.1.75
 Section 10.1.76
 Section 10.1.77
 Section 10.1.78
 Section 10.1.79
 Section 10.1.80
 Section 10.1.81
 Section 10.1.82
 Section 10.1.83
 Section 10.1.84
 Section 10.1.85
 Section 10.1.86
 Section 10.1.87
 Section 10.1.88
 Section 10.1.89
 Section 10.1.90
 Section 10.1.91
 Section 10.1.92
 Section 10.1.93
 Section 10.1.94
 Section 10.1.95
 Section 10.1.96
 Section 10.1.97
 Section 10.1.98
 Section 10.1.99
 Section 10.1.100

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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

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

25669

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JF104376 Company Phone No. 386-705-2611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Danny Saye Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 2591 N.W. Terrace Blvd SE
White Springs FL
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 12 Inside 12 Type of Fill DIR

Section 4: Treatment Information

Date(s) of Treatment(s) 5-23-07
Brand Name of Product(s) Used Bifen
EPA Registration No. 53443-184
Approximate Final Mix Solution % 1.06
Approximate Size of Treatment Area: Sq. ft. 2284 Linear ft. 234 Linear ft. of Masonry Voids 234
Approximate Total Gallons of Solution Applied 365
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No upon completion

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

Attachments (List) _____

Comments _____

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

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

Authorized Signature [Signature] Date 5-23-07

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

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 13-2S-16-01603-141

Building permit No. 000025669

Use Classification SFD/UTILITY

Fire: 0.00

Permit Holder DANNY & BARBARA SAYE

Waste:

Owner of Building DANNY & BARBARA SAYE

Total: 0.00

Location: 2591 NW LASSIE BLACK ST., WHITE SPRINGS, FL



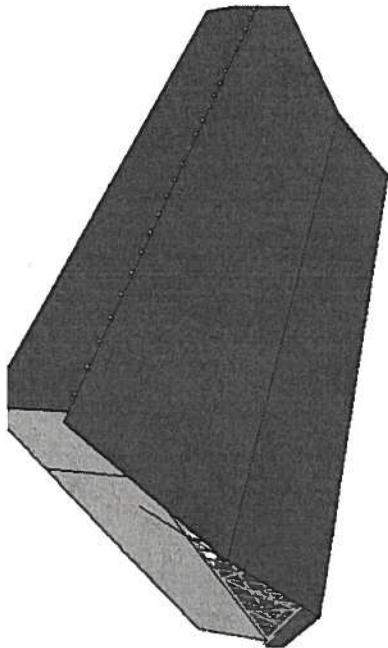
Date: 09/24/2007

Building Inspector

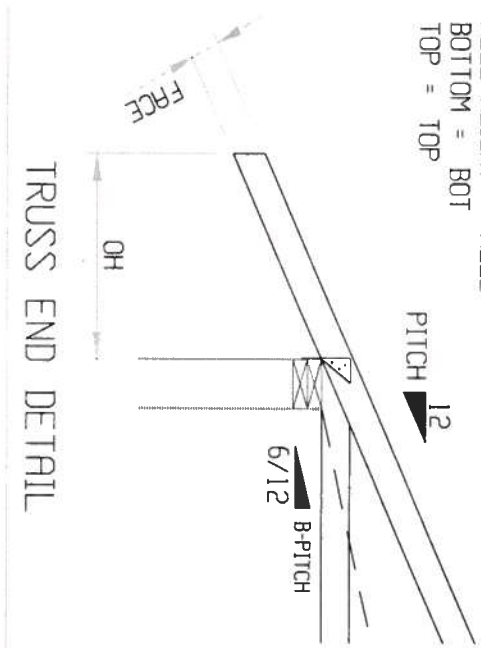
POST IN A CONSPICUOUS PLACE
(Business Places Only)

BEARING HEIGHT SCHEDULE

8'-0"



APPROVED TRUSS ANCHOR BY BUILDER
PLUMB CUT OVERHANG
HEEL HEIGHT = HEEL
BOTTOM = BOT
TOP = TOP



NOTES:

- 1) REFER TO HB 91 (RECOMMENDATIONS FOR HANDING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEER DRAWINGS FOR PERMANENT BRACING REQUIRED
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECIDED OR REFER TO DETAIL VMS FOR ALTERNATE BRACING REQUIREMENTS
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER
- 4) ALL TRUSSES ARE DESIGNED FOR 2' OC MAXIMUM SPACING, UNLESS OTHERWISE NOTED
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED
- 6) 5"X42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP
- 7) ALL ROOF TRUSSES HANGERS TO BE SIMPSON HUS-26 UNLESS OTHERWISE NOTED ALL FLOOR TRUSSES HANGERS TO BE SIMPSON THA-422 UNLESS OTHERWISE NOTED
- 8) BEARING HEIGHTS (HGT) TO BE FURNISHED BY BUILDER

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VMS. ALL REVISIONS ARCHITECTURAL OR OTHER TRUSS LAYOUTS, REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO MAKE AGAINST GAINERS THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Expenditure Return Date

Approved By



Burnell

PHONE: 904-437-3349 FAX: 904-437-3994

Jacksonville

PHONE: 904-772-6100 FAX: 904-772-1973

Lake City

PHONE: 904-755-6894 FAX: 904-755-7973

Sanford

PHONE: 407-322-0059 FAX: 407-322-5553

DRAWER:

SAYE

ITEM ADDRESS

LAKE CITY

DATE:

CUSTOM

DATE:

3/15/2007

DATE:

JR L230366