

DATE08/23/2007

Columbia County Building Permit

PERMIT000026163

This Permit Expires One Year From the Date of Issue

APPLICANTTROY UNDERHILL

PHONE386.496.1906

ADDRESS14400NW 111TH TERRACE

LAKE BUTLRFL32054

OWNERBILL & LORETTA WESTMORELAND

PHONE386.454.1959

ADDRESS848SW TRULUCK TERRACE

FT. WHITEFL32038

CONTRACTORTROY UNDERHILL

PHONE386.496.1906

LOCATION OF PROPERTY

47-S TO US 27-S TO C-138,TR TO TRULUCK,TL AND IT'S A 1/2 MILE ON THE R.

TYPE DEVELOPMENTSFD/UTILITY

ESTIMATED COST OF CONSTRUCTION89050.00

HEATED FLOOR AREA1781.00

TOTAL AREA2772.00

HEIGHT20.40

STORIES1

FOUNDATIONCONC

WALLSFRAMED

ROOF PITCH10'12

FLOORCONC

LAND USE & ZONINGA-3

MAX. HEIGHT35

Minimum Set Back Requirments:

STREET-FRONT30.00

REAR25.00

SIDE25.00

NO. EX.D.U.1

FLOOD ZONEX

DEVELOPMENT PERMIT NO.

PARCEL ID26-7S-16-04333-003

SUBDIVISION

LOT

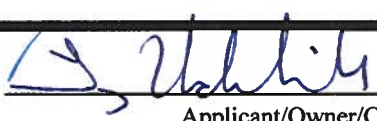
BLOCK

PHASE

UNIT

TOTAL ACRES10.00

CRC058554



Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

EXISTING

07-615

BLK

JTH

N

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS:

FLOOR ONE FOOT ABOVE THE ROAD. NOC ON FILE. WEST 10 ACRES. M/H TO BE REMOVED 45 DAYS AFTER CO ISSUANCE.

Check # or Cash

1147

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 \$	450.00	CERTIFICATION FEE \$	13.86	SURCHARGE FEE \$	13.86		
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	552.72
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.

Sept 07-0615

Columbia County Building Permit Application

For Office Use Only Application # 0708-37 Date Received 8/15 By JW Permit # 26163
Application Approved by - Zoning Official BK Date 21.08.07 Plans Examiner OK JTH Date 8-21-07
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments West 10 Acres MIA Lake Remand 45 day after CO is issued
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Per

Name Authorized Person Signing Permit Troy Underhill Fax 352-258-3901
Address 14400 NW 111th Terr Lake Butler FL 32054 Phone 386-496-1906
Owners Name Bill and Loretta Westmoreland Phone 386-454-1959
911 Address 848 SW Trulock Terr Ft. White, FL 32038
Contractors Name Troy Underhill Phone 352-258-3901
Address 14400 NW 111th Terr Lake Butler FL 32054
Fee Simple Owner Name & Address _____
Bonding Co. Name & Address _____
Architect/Engineer Name & Address Bill Freeman
Mortgage Lenders Name & Address N/A
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Ene
Property ID Number 26-75-16-04333-003 Estimated Cost of Construction 175,000
Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____
Driving Directions Hwy 27 S to CR 138 TR TL onto SW Trulock
Job 1/2 mile on Right

Type of Construction Residential - SFD Number of Existing Dwellings on Property 1
Total Acreage 10 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing D
Actual Distance of Structure from Property Lines - Front 300' Side 300' Side 300' Rear 200'
Total Building Height 20'4" Number of Stories 1 Heated Floor Area 1781 Roof Pitch 10/12
TOTAL 2,772

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.

Owner Builder or Authorized Person by Notarized Letter _____ Contractor Signature [Signature]
Contractors License Number 058554

STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me this 15 day of 08 20 07
Personally known _____ or Produced Identification ☒
Notary Signature [Signature]
LAURIE HODSON
MY COMMISSION # DD _____
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters
NOTARY STAMP/SEAL

	Columbia	County	
14339	Land	002	
4360	AG	002	
27607	Bldg	001	*
	Xfea	000	
46306	TOTAL		B

1	SE1/4 OF SE1/4 OF SW1/4 & S1/2	OF SW1/4 OF SE1/4.	2
3	ORB 423-642, 507-216,		4
5			6
7			8
9			10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 9/16/1997 TERR

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

Notice of Commencement

To Whom it May Concern:

The undersigned hereby informs you that improvements will be made to certain real property, and in accordance with section 713.12 of the Florida Statutes, the following information is stated in this Notice of Commencement.

Description of property: 848 SW Truluck Ter, Ft White,
FL 32038

General description of improvements: Construct Dwelling

Owner: William S + Loretta Westmoreland
Address: 848 SW Truluck Ter. Ft White FL
32038

Fee Simple Title holder (if other than owner): _____
Address: _____

Contractor Troy Underhill
Surety (if any): _____
Address: TL2 Builders Inc.
14400 NW 111th Terr.
Lake Butler, FL 32054

In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.06 {2} {b}. Florida Statutes. (Fill in at Owner's option)

Name: None
Address: _____

Signed before me this 12th day of June, 2007

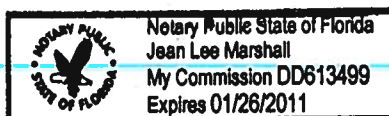
Troy Underhill
Contractor

Bill Westmoreland
Owner

Loretta Westmoreland

Jean L. Marshall
Notary

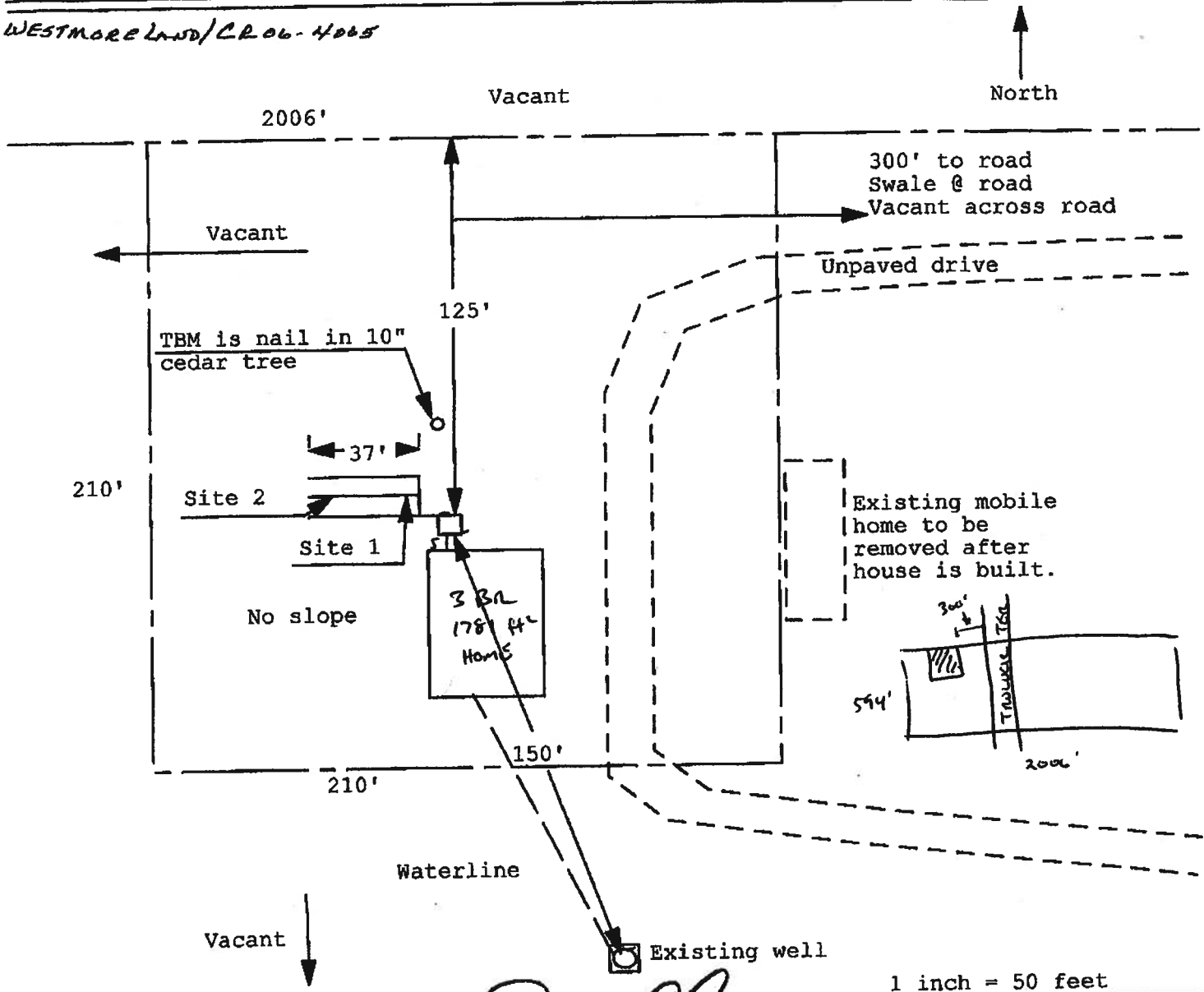
Inst: 200712015583 Date: 7/13/2007 Time: 9:44 AM
J. F. DeWitt Cason, Columbia County Page 1 of 1



Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 87-615

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

WESTMORELAND/CROB-4065



Site Plan Submitted By

Plan Approved

By

Notes: 1 AC of 30

Date 7/19/07

567

Date 8/6/77
Columbia CHD

CPHU

**STATE OF FLORIDA****DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION****CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783****(850) 487-1395****UNDERHILL, WILLIAM TROY
INDIVIDUAL
14400 NW 111TH TERR
LAKE BUTLER FL 32054**

		STATE OF FLORIDA	AC# 272557
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION			
CRC058554		08/16/06 068029421	
CERTIFIED RESIDENTIAL CONTRACTOR UNDERHILL, WILLIAM TROY INDIVIDUAL			
IS CERTIFIED under the provisions of Ch.489 FS.			
Expiration date: AUG 31, 2008		L06081601987	

DETACH HERE

C# 2725575

STATE OF FLORIDA**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD****SEQ# L06081601987**

DATE	BATCH NUMBER	LICENSE NBR
08/16/2006	068029421	CRC058554

**The RESIDENTIAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008****UNDERHILL, WILLIAM TROY
INDIVIDUAL
RTE 3 BOX 40
LAKE BUTLER FL 32054****JEB BUSH
GOVERNOR****SIMONE MARSTILLER
SECRETARY**

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Westmoreland Residence**
Address:
City, State: ,
Owner: **Bill and Loretta Westmoreland**
Climate Zone: **South**

Builder:
Permitting Office: **COLUMBIA**
Permit Number: **26163**
Jurisdiction Number: **221001**

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) 1781 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) 226.5 ft² ☐
 - b. SHGC: (or Clear or Tint DEFAULT) 7b. (Clear) 226.5 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, 1505.9 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 2772.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 63.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit/Split Cap: 32.0 kBtu/hr
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump/Split Cap: 32.0 kBtu/hr
HSPF: 8.50 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 20.0 gallons
EF: 0.94 ☐
 - b. N/A ☐
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
15. HVAC credits PT, CF, ☐
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)

Glass/Floor Area: 0.13

Total as-built points: 21979

Total base points: 23676

PASS

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

PREPARED BY: Debbie A. Motes

DATE: 5-29-07

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: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC Ornt Len Hgt Area X SPM X SOF = Points							
.18	1781.0	30.53	9787.0	1.Double, Clear	E	1.0	6.0	60.0	68.60	0.97	3994.0
				2.Double, Clear	E	1.0	6.0	20.0	68.60	0.97	1331.0
				3.Double, Clear	E	1.0	6.0	17.5	68.60	0.97	1165.0
				4.Double, Clear	E	1.0	6.0	16.0	68.60	0.97	1065.0
				5.Double, Clear	W	1.0	6.0	30.0	61.59	0.97	1794.0
				6.Double, Clear	W	1.0	6.0	8.0	61.59	0.97	478.0
				7.Double, Clear	W	1.0	6.0	45.0	61.59	0.97	2691.0
				8.Double, Clear	S	1.0	6.0	30.0	58.45	0.96	1676.0
				As-Built Total: 226.5 14194.0							
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	1505.9	2.40		3614.2
Exterior	1505.9	2.70	4065.9								
Base Total: 1505.9 4065.9				As-Built Total: 1505.9 3614.2							
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				15.0	6.40		96.0
Exterior	48.6	6.40	311.0	2.Exterior Insulated				33.6	6.40		215.0
Base Total: 48.6 311.0				As-Built Total: 48.6 311.0							
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	1781.0	2.80	4986.8	1. Under Attic			30.0	2772.0	2.77 X 1.00		7678.4
Base Total: 1781.0 4986.8				As-Built Total: 2772.0 7678.4							
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	192.0(p)	-20.0	-3840.0	1. Slab-On-Grade Edge Insulation			0.0	192.0(p)	-20.00		-3840.0
Raised	0.0	0.00	0.0								
Base Total: -3840.0				As-Built Total: 192.0 -3840.0							
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1781.0 18.79 33465.0				1781.0 18.79 33465.0							

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 48775.8				Summer As-Built Points: 55422.6						
Total Summer Points	X System Multiplier	=	Cooling 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	=	Cooling Points
48775.8	0.3250		15852.1	(sys 1: Central Unit 32000btuh , SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 55423 1.00 (1.07 x 1.165 x 0.90) 0.260 0.902 14631.1 55422.6 1.00 1.125 0.260 0.902 14631.1						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1781.0	3.60	1154.0	1.Double, Clear	E	1.0	6.0	60.0	3.30	1.01	200.0
				2.Double, Clear	E	1.0	6.0	20.0	3.30	1.01	66.0
				3.Double, Clear	E	1.0	6.0	17.5	3.30	1.01	58.0
				4.Double, Clear	E	1.0	6.0	16.0	3.30	1.01	53.0
				5.Double, Clear	W	1.0	6.0	30.0	3.98	1.00	119.0
				6.Double, Clear	W	1.0	6.0	8.0	3.98	1.00	31.0
				7.Double, Clear	W	1.0	6.0	45.0	3.98	1.00	178.0
				8.Double, Clear	S	1.0	6.0	30.0	3.12	1.00	93.0
				As-Built Total:				226.5		798.0	
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		1505.9		0.60 903.5	
Exterior	1505.9	0.60	903.5								
Base Total:				1505.9		903.5		As-Built Total:		1505.9 903.5	
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	0.0	0.00	0.0	1.Exterior Insulated		15.0		1.80		27.0	
Exterior	48.6	1.80	87.5	2.Exterior Insulated		33.6		1.80		60.5	
Base Total:				48.6		87.5		As-Built Total:		48.6 87.5	
CEILING TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM X WCM = Points	
Under Attic	1781.0	0.10	178.1	1. Under Attic		30.0		2772.0		0.10 X 1.00 277.2	
Base Total:				1781.0		178.1		As-Built Total:		2772.0 277.2	
FLOOR TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM = Points	
Slab	192.0(p)	-2.1	-403.2	1. Slab-On-Grade Edge Insulation		0.0		192.0(p)		-2.10 -403.2	
Raised	0.0	0.00	0.0								
Base Total:				-403.2		As-Built Total:		192.0		-403.2	
INFILTRATION				Area X BWPM = Points				Area X WPM = Points			
				1781.0 -0.06 -106.9				1781.0 -0.06		-106.9	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 1813.1			Winter As-Built Points: 1556.2					
Total Winter Points	X System 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
1813.1	0.5540	1004.4	(sys 1: Electric Heat Pump 32000 btuh ,EFF(8.5) Ducts:Unc(S),Unc(R),Int(AH),R6.0 1556.2 1.000 (1.099 x 1.137 x 0.91) 0.401 0.950 674.4 1556.2 1.00 1.137 0.401 0.950 674.4					

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Ratio	Tank X Multiplier X Credit = Total Multiplier	
3		2273.00	6819.0	20.0	0.94	3	1.00	2224.64	1.00 6673.9
				As-Built Total:					6673.9

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
15852		1004	6819 23676	14631		674	6674 21979

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.5

The higher the score, the more efficient the home.

Bill and Loretta Westmoreland, , , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit/Split	Cap: 32.0 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)	1781 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: 32.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 226.5 ft ²	___		HSPF: 8.50
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 226.5 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: 20.0 gallons
b. N/A	___	___		EF: 0.94
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Exterior	R=13.0, 1505.9 ft ²	___	(HR-Heat recovery, Solar	___
b. N/A	___	___	DHP-Dedicated heat pump)	___
c. N/A	___	___	15. HVAC credits	PT, CF, ___
d. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
e. N/A	___	___	HF-Whole house fan,	___
10. Ceiling types		___	PT-Programmable Thermostat,	___
a. Under Attic	R=30.0, 2772.0 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, 63.0 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.*

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

BUILDING INPUT SUMMARY REPORT

PROJECT	Title: Westmoreland Residence		Family Type: Single		Address Type: Street Address			
	Owner: Bill and Loretta Westmorelan		New/Existing: New		Lot #: N/A			
	# of Units: 1		Bedrooms: 3		Subdivision: N/A			
	Builder Name: (blank)		Conditioned Area: 1781		Platbook: N/A			
	Climate: South		Total Stories: 1		Street: (blank)			
	Permit Office: (blank)		Worst Case: Yes		County: (blank)			
	Jurisdiction #: (blank)		Rotate Angle: 90		City, St, Zip: , ,			
FLOORS	#	Floor Type	R-Val	Area/Perimeter	Units			
	1	Slab-On-Grade Edge Insulation	0.0	192.0(p) ft	1			
DOORS	#	Door Type	Orientation	Area	Units			
	1	Insulated	Exterior	15.0 ft²	1			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	2772.0 ft²	1781.0 ft²	1		
Credit Multipliers: None								
COOLING	#	System Type	Efficiency	Capacity				
	1	Central Unit/Split	SEER: 13.00	32.0 kBtu/hr				
Credit Multipliers: Ceil Fn, PT								
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Frame - Wood	Exterior	13.0	1505.9 ft²	1		
HEATING	#	System Type	Efficiency	Capacity				
	1	Electric Heat Pump/Split	HSPF: 8.50	32.0 kBtu/hr				
Credit Multipliers: PT								
DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length		
	1	Uncond.	Uncond.	Interior	6.0	63.0 ft		
Credit Multipliers: None								
WATER	#	System Type	EF	Cap.	Conservation Type	Con. EF		
	1	Electric Resistance	0.94	20.0	None	0.00		
REFR.	#	Use Default?	Annual Operating Cost	Electric Rate				
	1	Yes	N/A	N/A				
WINDOWS	#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
	1	Double	Clear	N	30.0 ft²	1.0 ft	6.0 ft	2
	2	Double	Clear	N	10.0 ft²	1.0 ft	6.0 ft	2
	3	Double	Clear	N	17.5 ft²	1.0 ft	6.0 ft	1
	4	Double	Clear	N	16.0 ft²	1.0 ft	6.0 ft	1
	5	Double	Clear	S	30.0 ft²	1.0 ft	6.0 ft	1
	6	Double	Clear	S	8.0 ft²	1.0 ft	6.0 ft	1
	7	Double	Clear	S	15.0 ft²	1.0 ft	6.0 ft	3
8	Double	Clear	E	15.0 ft²	1.0 ft	6.0 ft	2	
MISC	Rater Name: CodeOnlyPro		Class #: 3		Pool Size: 0			
	Rater Certification #: CodeOnlyPro		Duct Leakage Type: N/A		Pump Size: 0.00 hp			
	Area Under Fluorescent: 0.0		Visible Duct Disconnects: N/A		Dryer Type: Electric			
	Area Under Incandescent: 1781.0		Leak Free Duct System Proposed: No		Stove Type: Electric			
NOTE: Not all Rating info shown		HRV/ERV System Present?: No		Avg Ceil Hgt:				

Residential System Sizing Calculation

Summary

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

Code Only
Professional Version
Climate: South

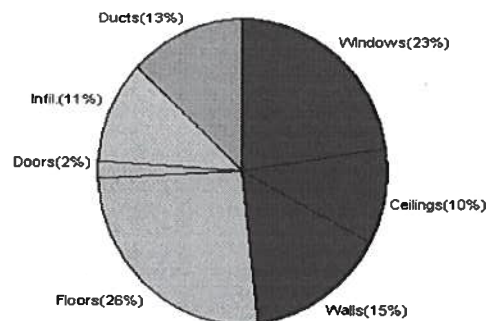
5/29/2007

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	32152 Btuh	Total cooling load calculation	31776 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	99.5 32000	Sensible (SHR = 0.75)	87.0 24000
Heat Pump + Auxiliary(0.0kW)	99.5 32000	Latent	191.1 8000
		Total (Electric Heat Pump)	100.7 32000

WINTER CALCULATIONS

Winter Heating Load (for 1781 sqft)

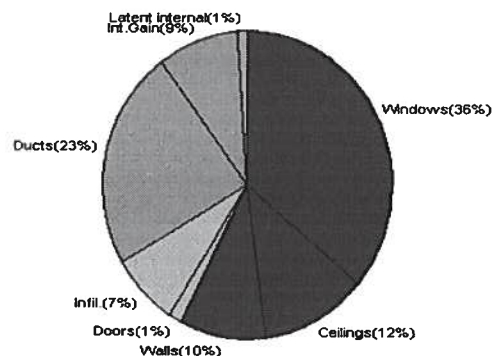
Load component		Load	
Window total	227 sqft	7291	Btuh
Wall total	1506 sqft	4945	Btuh
Door total	49 sqft	629	Btuh
Ceiling total	2772 sqft	3266	Btuh
Floor total	192 sqft	8383	Btuh
Infiltration	85 cfm	3463	Btuh
Duct loss		4174	Btuh
Subtotal		32152	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		32152	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1781 sqft)

Load component		Load	
Window total	227 sqft	11454	Btuh
Wall total	1506 sqft	3141	Btuh
Door total	49 sqft	476	Btuh
Ceiling total	2772 sqft	3708	Btuh
Floor total		0	Btuh
Infiltration	43 cfm	796	Btuh
Internal gain		2900	Btuh
Duct gain		5117	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		27591	Btuh
Latent gain(ducts)		2223	Btuh
Latent gain(infiltration)		1562	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		400	Btuh
Total latent gain		4185	Btuh
TOTAL HEAT GAIN		31776	Btuh



Version 8

For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *Delvinia Motes*

DATE: *5-29-07*

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

Code Only
Professional Version
Climate: South

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 90 degrees.

5/29/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	E	60.0		32.2	1931 Btuh
2	2, Clear, Metal, 0.87	E	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	E	17.5		32.2	563 Btuh
4	2, Clear, Metal, 0.87	E	16.0		32.2	515 Btuh
5	2, Clear, Metal, 0.87	W	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	W	8.0		32.2	258 Btuh
7	2, Clear, Metal, 0.87	W	45.0		32.2	1449 Btuh
8	2, Clear, Metal, 0.87	S	30.0		32.2	966 Btuh
Window Total			227(sqft)			7291 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1506		3.3	4945 Btuh
Wall Total			1506			4945 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		15		12.9	194 Btuh
2	Insulated - Exterior		34		12.9	435 Btuh
Door Total			49			629Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/L/Shin	30.0	2772		1.2	3266 Btuh
Ceiling Total			2772			3266Btuh
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:						24515 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		
	Natural	0.32 16029	1506	85.5		3463 Btuh
Ductload				(DLM of 0.149)		4174 Btuh
All Zones	Sensible Subtotal All Zones					32152 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	32152 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	32152 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

Code Only
Professional Version
Climate: South

5/29/2007

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	32000 Btuh
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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

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

Code Only
Professional Version
Climate: South

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 90 degrees.

5/29/2007

Component Loads for Zone #1: Main						
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	E	60.0		32.2	1931 Btuh
2	2, Clear, Metal, 0.87	E	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	E	17.5		32.2	563 Btuh
4	2, Clear, Metal, 0.87	E	16.0		32.2	515 Btuh
5	2, Clear, Metal, 0.87	W	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	W	8.0		32.2	258 Btuh
7	2, Clear, Metal, 0.87	W	45.0		32.2	1449 Btuh
8	2, Clear, Metal, 0.87	S	30.0		32.2	966 Btuh
	Window Total		227(sqft)			7291 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1506		3.3	4945 Btuh
	Wall Total		1506			4945 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		15		12.9	194 Btuh
2	Insulated - Exterior		34		12.9	435 Btuh
	Door Total		49			629Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/L/Shin	30.0	2772		1.2	3266 Btuh
	Ceiling Total		2772			3266Btuh
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:					24515 Btuh
Infiltration	Type	ACH	X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.32		16029	1506	85.5
						3463 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.149)					4174 Btuh
Zone #1	Sensible Zone Subtotal					32152 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

Code Only
Professional Version
Climate: South

5/29/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	32152 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	32152 Btuh

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	32000 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

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

Code Only
Professional Version
Climate: South

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

5/29/2007

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	E	1ft.	6ft.	60.0	0.0	60.0	19	55	3326	Btuh
2	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	20.0	0.0	20.0	19	55	1109	Btuh
3	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	17.5	0.0	17.5	19	55	970	Btuh
4	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	16.0	0.0	16.0	19	55	887	Btuh
5	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	30.0	0.0	30.0	19	55	1663	Btuh
6	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	8.0	0.0	8.0	19	55	443	Btuh
7	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	45.0	0.0	45.0	19	55	2495	Btuh
8	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	30.0	30.0	0.0	19	23	560	Btuh
Window Total					227 (sqft)					11454 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1505.9			2.1		3141 Btuh	
Wall Total					1506 (sqft)					3141 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				15.0			9.8		147 Btuh	
2	Insulated - Exterior				33.6			9.8		329 Btuh	
Door Total					49 (sqft)					476 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/Light/Shingle	30.0			2772.0			1.3		3708 Btuh	
Ceiling Total					2772 (sqft)					3708 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:										18779 Btuh	
Infiltration	Type	ACH			Volume(cuft)			wall area(sqft)		CFM=	
	SensibleNatural	0.16			16029			1506		85.5	
Internal gain		Occupants			Btuh/occupant			Appliance		Load	
		2			X 230			+		2440	
Sensible Envelope Load:										22474 Btuh	
Duct load	(DGM of 0.228)									5117 Btuh	
Sensible Load All Zones										27591 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

Code Only
Professional Version
Climate: South

5/29/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22474 Btuh
	Sensible Duct Load	5117 Btuh
	Total Sensible Zone Loads	27591 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	27591 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1562 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	2223 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4185 Btuh
	TOTAL GAIN	31776 Btuh

EQUIPMENT

1. Central Unit/Split	#(Outside) #(Inside)	32000 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

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

Code Only
Professional Version
Climate: South

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

5/29/2007

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	60.0	0.0	60.0	19	55	3326	Btuh
2	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	20.0	0.0	20.0	19	55	1109	Btuh
3	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	17.5	0.0	17.5	19	55	970	Btuh
4	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	16.0	0.0	16.0	19	55	887	Btuh
5	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	30.0	0.0	30.0	19	55	1663	Btuh
6	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	8.0	0.0	8.0	19	55	443	Btuh
7	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	45.0	0.0	45.0	19	55	2495	Btuh
8	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	30.0	30.0	0.0	19	23	560	Btuh
	Window Total				227 (sqft)					11454 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1505.9			2.1		3141 Btuh	
	Wall Total				1506 (sqft)					3141 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				15.0			9.8		147 Btuh	
2	Insulated - Exterior				33.6			9.8		329 Btuh	
	Door Total				49 (sqft)					476 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/Light/Shingle	30.0			2772.0			1.3		3708 Btuh	
	Ceiling Total				2772 (sqft)					3708 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:									18779 Btuh	
Infiltration	Type	ACH			Volume(cuft)			wall area(sqft)		CFM=	
	SensibleNatural	0.16			16029			1506		42.7	
Internal gain		Occupants			Btuh/occupant			Appliance		Load	
		2			X 230			+		2440	
	Sensible Envelope Load:									22474 Btuh	
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.228)		5117 Btuh	
	Sensible Zone Load									27591 Btuh	

COLUMBIA AVENUE OF COLUMBIA

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 26-7S-16-04333-003

Building permit No. 000026163

Use Classification SFD/UTILITY

Fire: 0.00

Permit Holder TROY UNDERHILL

Waste:

Owner of Building BILL & LORETTA WESTMORELAND

Total: 0.00

Location: 848 SW TRULUCK TERR, FT. WHITE, FL

Date: 03/18/2008

Tony Dick

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Manual J Summer Calculations

Residential Load - Component Details (continued)

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

Code Only
Professional Version
Climate: South

5/29/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22474 Btuh
	Sensible Duct Load	5117 Btuh
	Total Sensible Zone Loads	27591 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	27591 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1562 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	2223 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4185 Btuh
	TOTAL GAIN	31776 Btuh

EQUIPMENT

1. Central Unit/Split	#(Outside) #(Inside)	32000 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

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

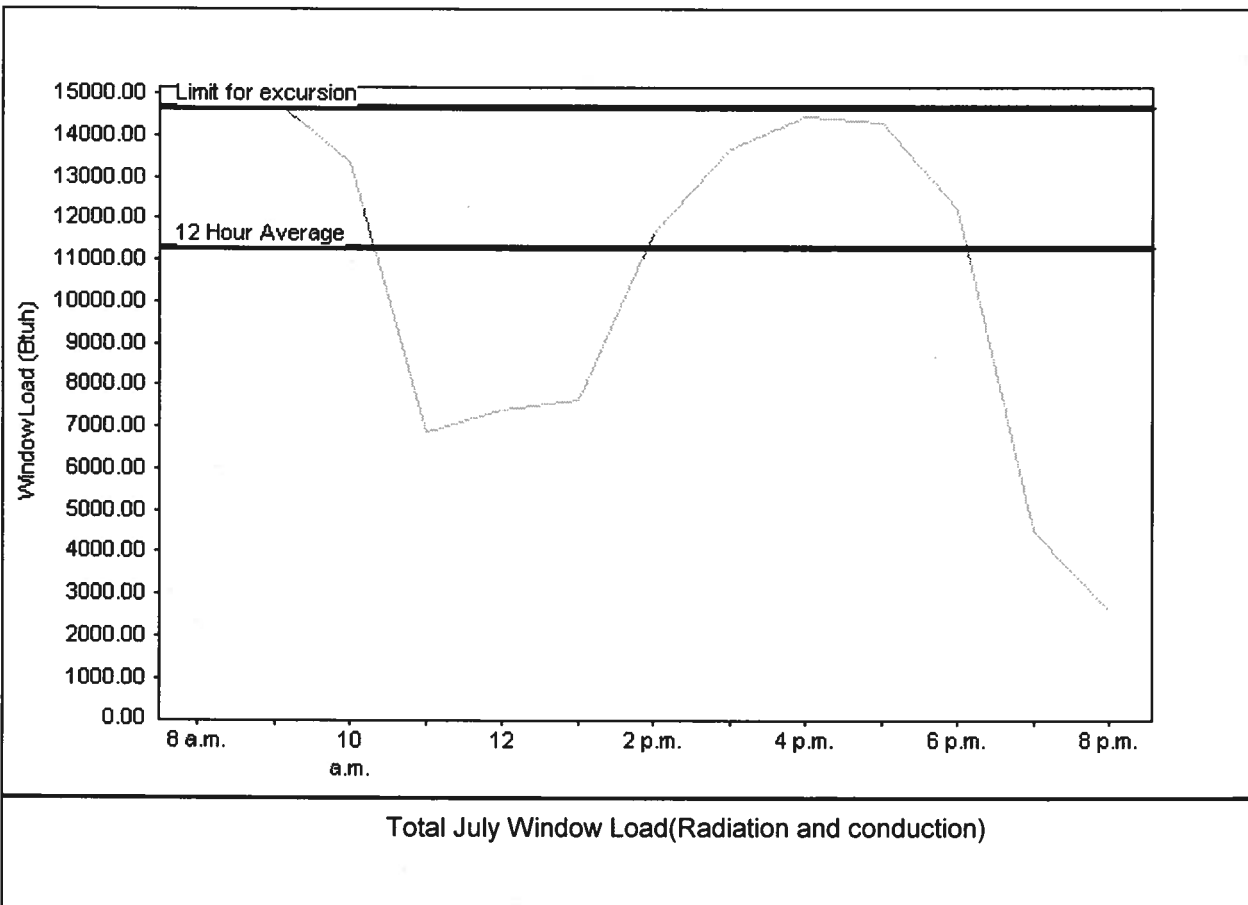
Code Only
Professional Version
Climate: South

5/29/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	11293 Btu
Summer setpoint	75 F	Peak window load for July	14834 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	14681 Btu
Latitude	29 North	Window excursion (July)	153 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: Debbie d. Motes

DATE: 5-29-07



Summary Energy Code Results

Residential Whole Building Performance Method A

Bill and Loretta Westmoreland

Project Title:
Westmoreland Residence

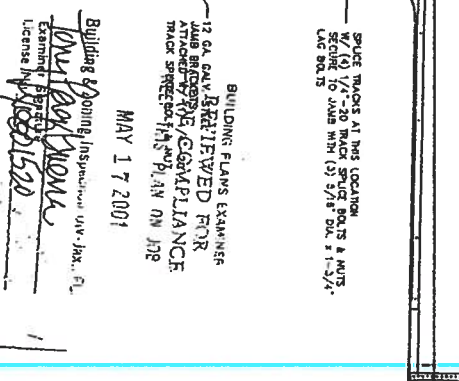
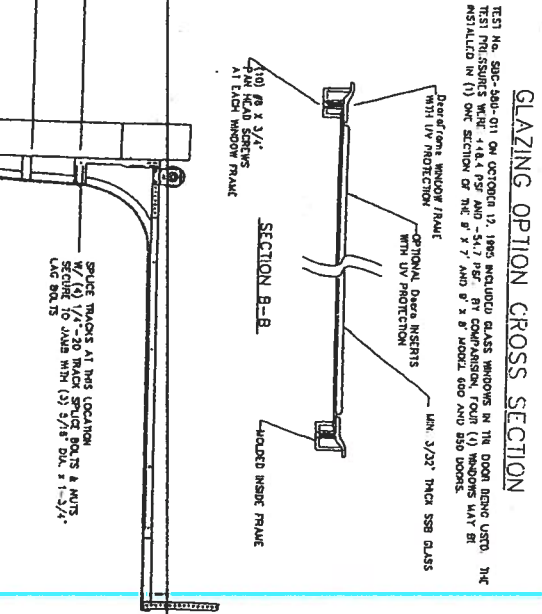
Code Only
Professional Version
Climate: South

5/29/2007

Building Loads			
Base		As-Built	
Summer:	48776 points	Summer:	55423 points
Winter:	1813 points	Winter:	1556 points
Hot Water:	6273 points	Hot Water:	6273 points
Total:	56862 points	Total:	63252 points

Energy Use			
Base		As-Built	
Cooling:	15852 points	Cooling:	14631 points
Heating:	1004 points	Heating:	674 points
Hot Water:	6819 points	Hot Water:	6674 points
Total:	23676 points	Total:	21979 points

PASS
e-Ratio: 0.93

[illegible][illegible][illegible]



January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-46

TAMKO Roofing Products, Inc.



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

Inswing

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
1687 Woodlands Drive
Maumee, Ohio 43537

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: "Classic Craft" Opaque Fiberglass Door 8'0 Inswing

APPROVAL DOCUMENT: Drawing No. S-2179, titled "Classic Craft Opaque" Single & Double Inswing 8'0 Fiberglass Door", sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 3/18/02, 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: 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.

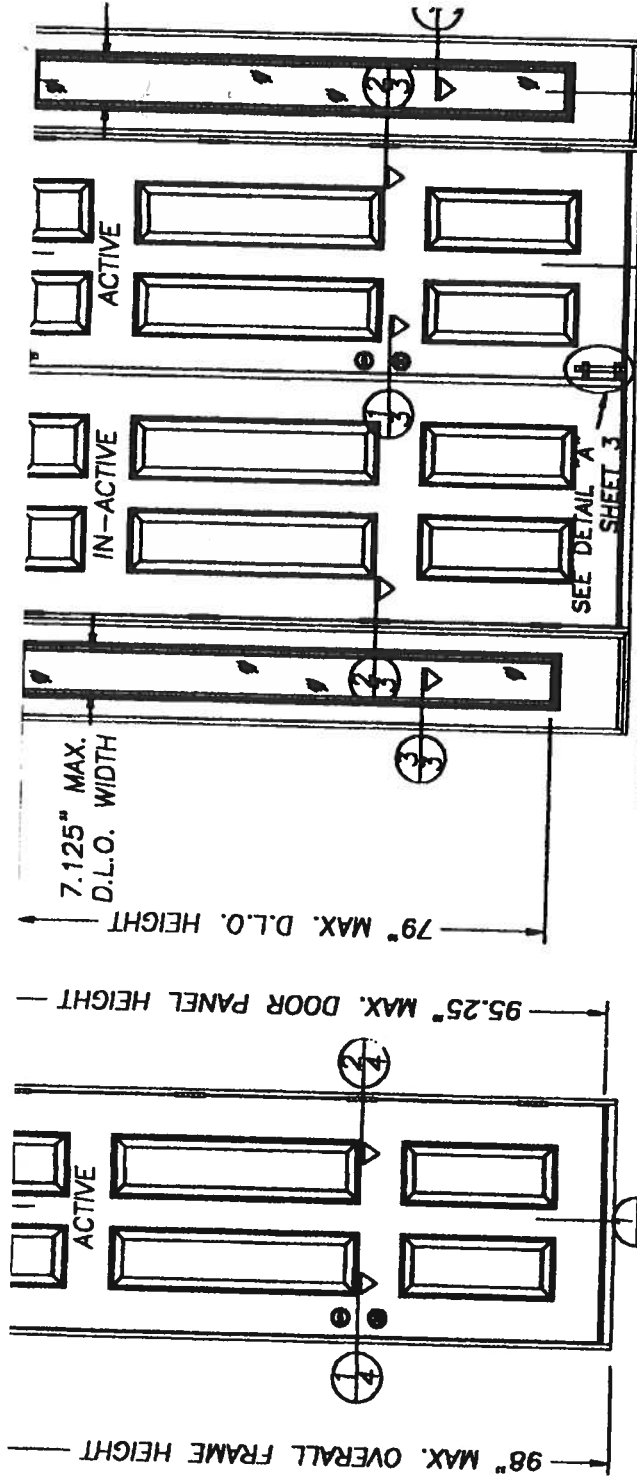
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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.

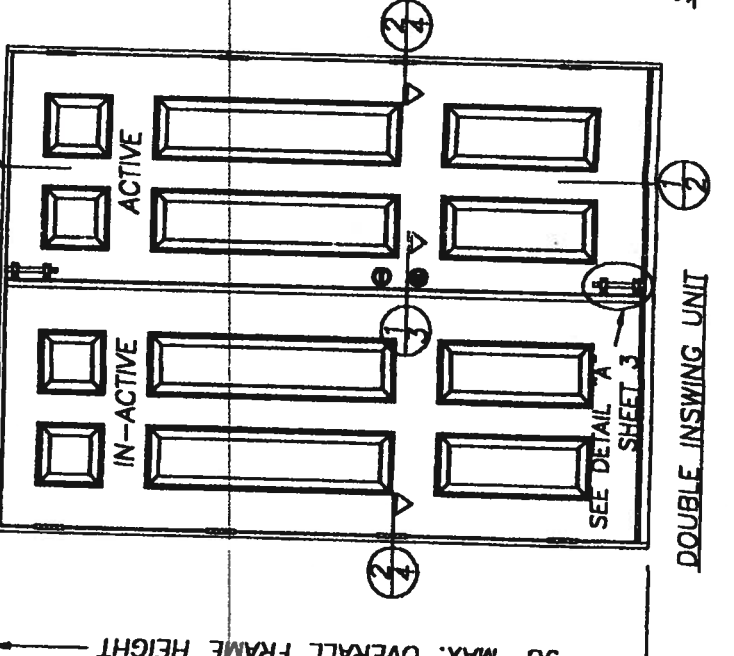
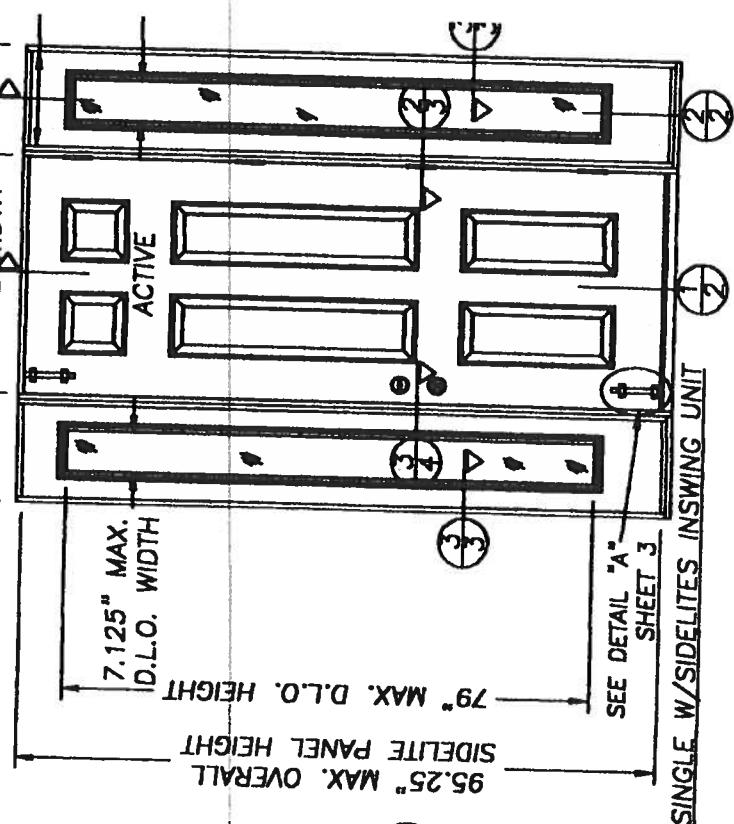
The submitted documentation was reviewed by **Raul Rodriguez**



NOA No 02-0109.06
Expiration Date: June 20, 2007
Approval Date: June 20, 2002
Page 1



DOUBLE W/SIDELITES INSWING UNIT
ALL MODELS ARE VIEWED FROM INTERIOR
68.5" MAX. OVERALL WIDTH
36" MAX. PANEL WIDTH



SINGLE W/SIDELITES INSWING UNIT
ALL MODELS ARE VIEWED FROM INTERIOR
68.5" MAX. OVERALL WIDTH
36" MAX. PANEL WIDTH

LET THE SOUTH FLORIDA
MIAMI-DADE COUNTY.
IE ANCHORED PROPERLY
ICTURE.
LISTED AND SPACED AS
EDMENT TO BASE MATERIAL
OR STUCCO.
TABLE PAGE 1.
E WATER REQUIREMENTS

ISTANT SHUTTERS ARE REQUIRED.
I BE USED IN A
LOCATIONS PROTECTED BY
THE ANGLE BETWEEN THE EDGE
IS LESS THAN 45 DEGREES.
-HABITABLE AREAS WHERE THE
D TO ACCEPT WATER INFILTRATION.

RG GLASS DOOR
(conditions)

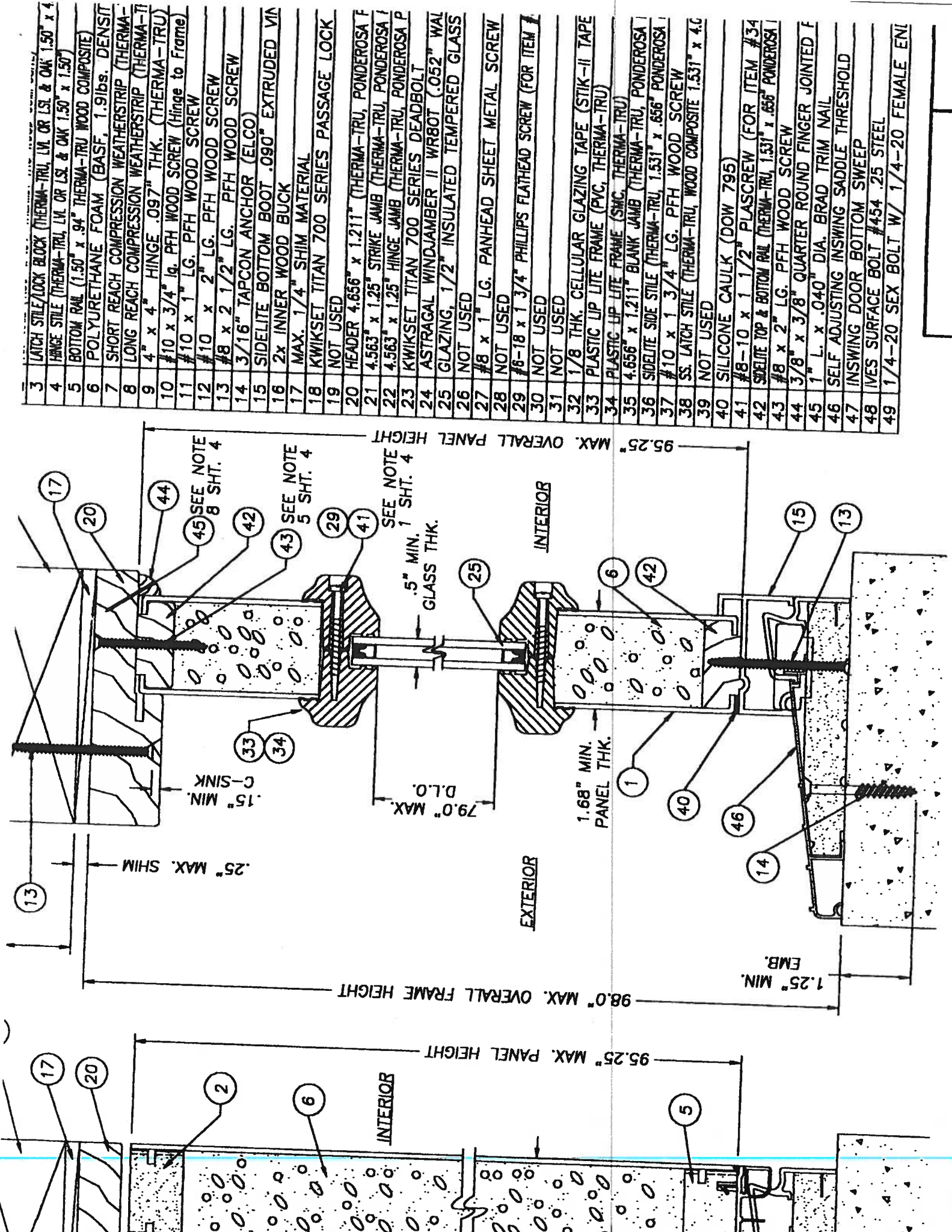
um thickness, with yield strength

1.9 lbs. density by BASF.
tructured from a sheet molding
thk. is filled with 1.9 lbs. density
sheets are glued to the wood stiles
VL or LSL. The latch stile which is
The top and bottom rail are of a
or application the inactive door
gal of 6060-T6 alloy.
ed from finger jointed pine. The
#8 x 2 1/2" long screw at each
a sidelite application using
per each mullion. The units uses
x 1.548.
dwich glazed using a two piece lip
on the exterior with an 1/8"
with Dow 795 silicone compound
a to the sidelite panel & to the
th a #8 x 1 1/2" long Plascrow

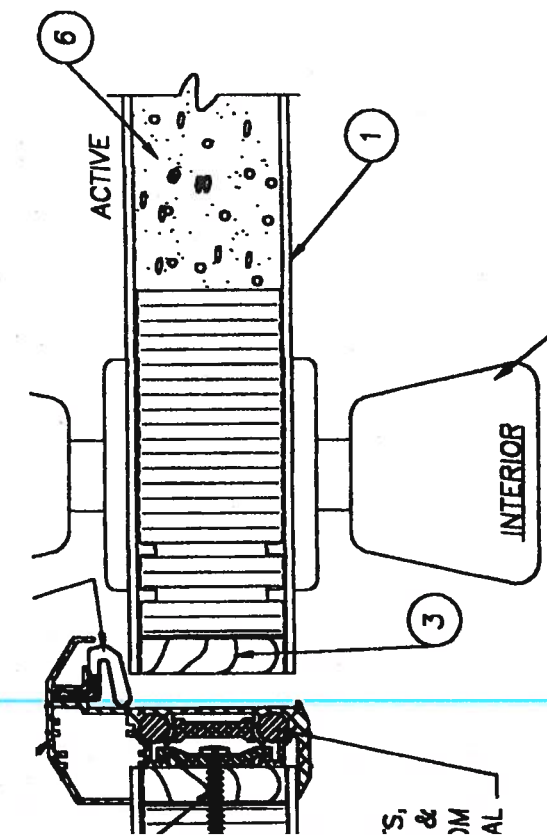
CONTENTS

DESCRIPTION

GENERAL NOTES



- | | |
|----|--|
| 3 | LATCH STILE/LOCK BLOCK (THERMA-TRU, LVL OR LSL & OAK 1.50" x 4 |
| 4 | HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x 1.50") |
| 5 | BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE) |
| 6 | POLYURETHANE FOAM (BASF, 1.9lbs. DENSIT |
| 7 | SHORT REACH COMPRESSION WEATHERSTRIP (THERMA- |
| 8 | LONG REACH COMPRESSION WEATHERSTRIP (THERMA- |
| 9 | 4" x 4" HINGE .097" THK. (THERMA-TRU) |
| 10 | #10 x 3/4" LG. PFH WOOD SCREW (Hinge to Frame) |
| 11 | #10 x 1" LG. PFH WOOD SCREW |
| 12 | #10 x 2" LG. PFH WOOD SCREW |
| 13 | #8 x 2 1/2" LG. PFH WOOD SCREW |
| 14 | 3/16" TAPCON ANCHOR (ELCO) |
| 15 | SIDELITE BOTTOM BOOT .090" EXTRUDED VIN |
| 16 | 2x INNER WOOD BUCK |
| 17 | MAX. 1/4" SHIM MATERIAL |
| 18 | KWIKSET TITAN 700 SERIES PASSAGE LOCK |
| 19 | NOT USED |
| 20 | HEADER 4.656" x 1.211" (THERMA-TRU, PONDEROSA F |
| 21 | 4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PONDEROSA I |
| 22 | 4.563" x 1.25" HINGE JAMB (THERMA-TRU, PONDEROSA P |
| 23 | KWIKSET TITAN 700 SERIES DEADBOLT |
| 24 | ASTRAGAL WINDJAMBER II WR80T (.052" WAL |
| 25 | GLAZING, 1/2" INSULATED TEMPERED GLASS |
| 26 | NOT USED |
| 27 | #8 x 1" LG. PANHEAD SHEET METAL SCREW |
| 28 | NOT USED |
| 29 | #6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM # |
| 30 | NOT USED |
| 31 | NOT USED |
| 32 | 1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE |
| 33 | PLASTIC LIP LITE FRAME (PVC, THERMA-TRU) |
| 34 | PLASTIC LIP LITE FRAME (SNG, THERMA-TRU) |
| 35 | 4.656" x 1.211" BLANK JAMB (THERMA-TRU, PONDEROSA |
| 36 | SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PONDEROSA |
| 37 | #10 x 1 3/4" LG. PFH WOOD SCREW |
| 38 | SS LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x 4.6 |
| 39 | NOT USED |
| 40 | SILICONE CAULK (DOW 795) |
| 41 | #8-10 x 1 1/2" PLASCREW (FOR ITEM #34 |
| 42 | SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656" PONDEROSA |
| 43 | #8 x 2" LG. PFH WOOD SCREW |
| 44 | 3/8" x 3/8" QUARTER ROUND FINGER JOINED F |
| 45 | 1" L. x .040" DIA. BRAD TRIM NAIL |
| 46 | SELF ADJUSTING INSWING SADDLE THRESHOLD |
| 47 | INSWING DOOR BOTTOM SWEEP |
| 48 | IVES SURFACE BOLT #454 .25 STEEL |
| 49 | 1/4-20 SEX BOLT W/ 1/4-20 FEMALE ENL |



1 HORIZONTAL CROSS SECTION 18
3 ③ ASTRAGAL (SEE DESIGN PRESSURE CHART)

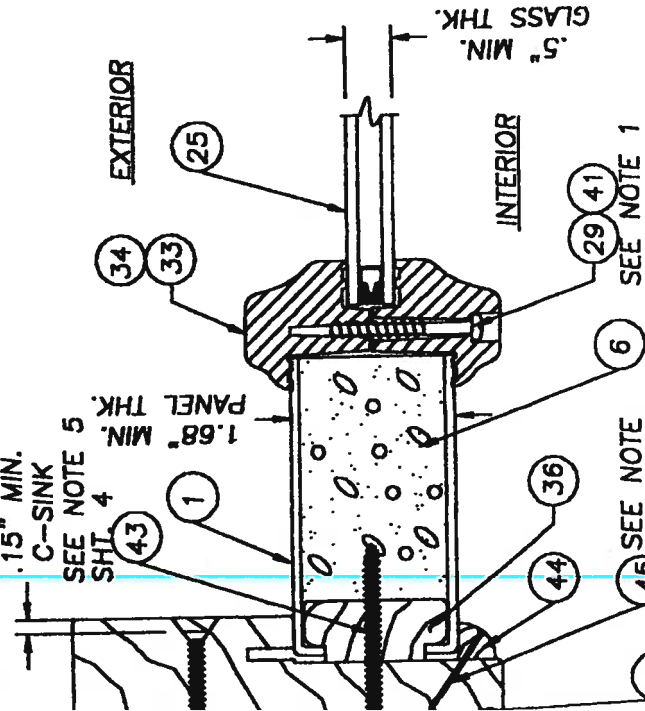
1.15" MIN.
EMB.

-.25" MAX. SHIM
- .15" MI

C-SINK
.15 MIN.

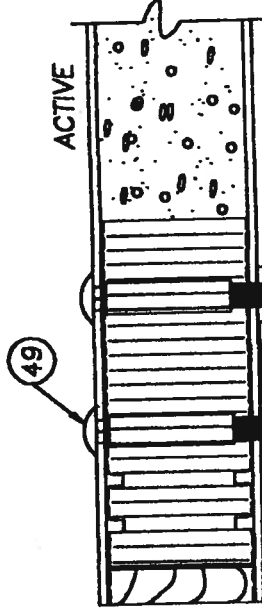
SEE NOTE 5
SHL 4

1.68" MIN.
PANEL THK.



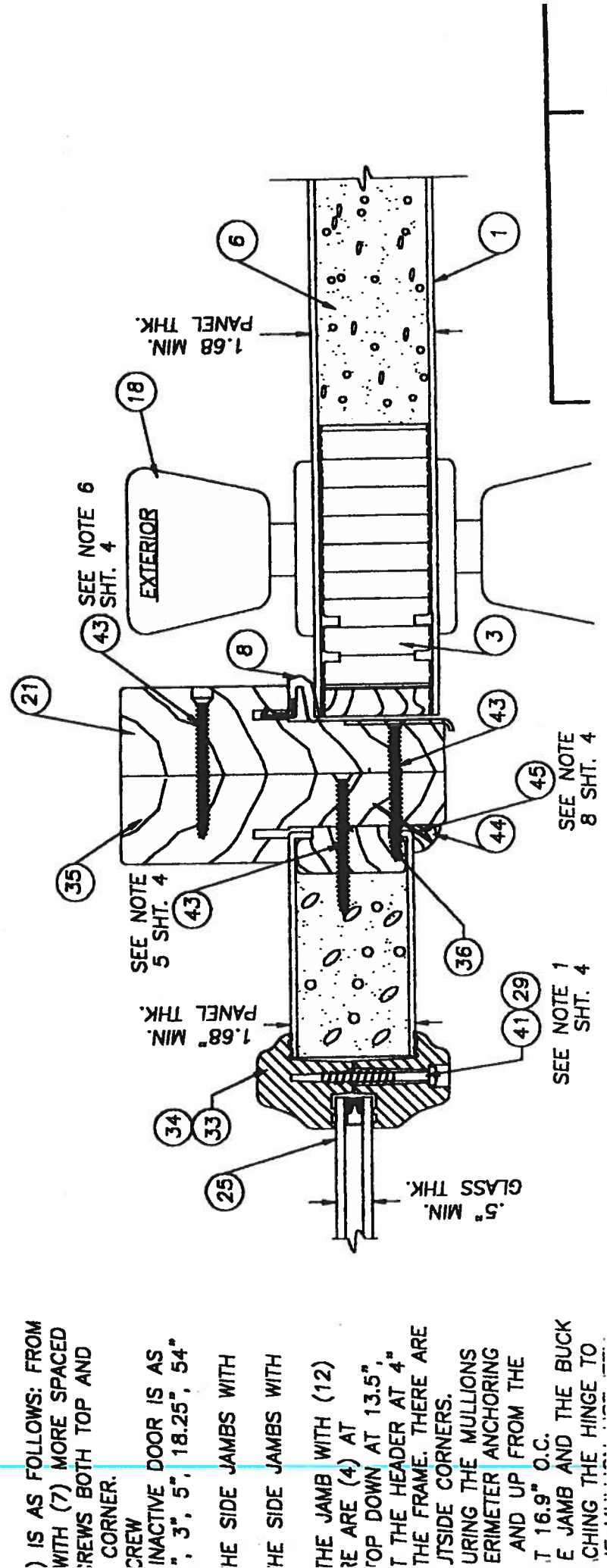
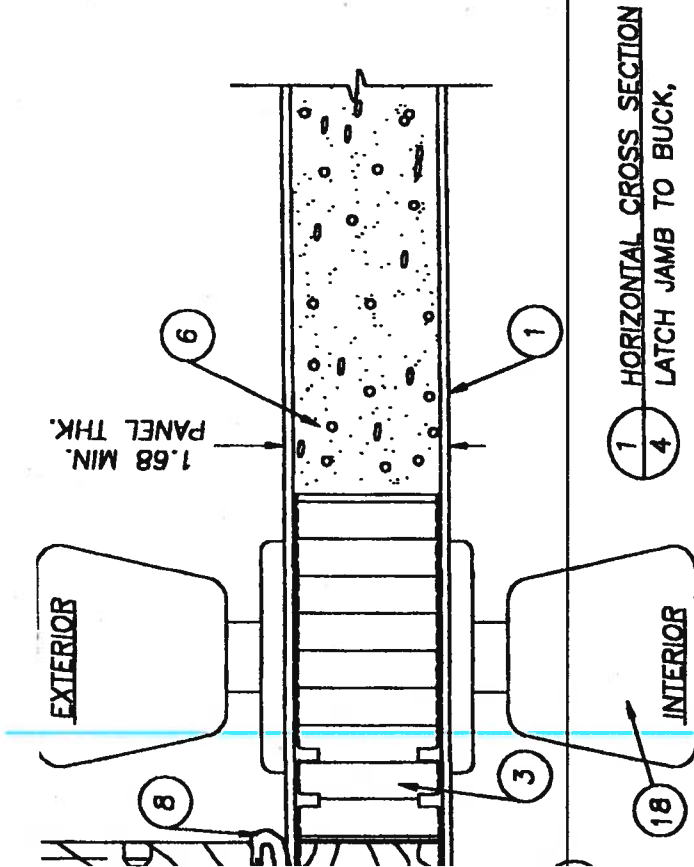
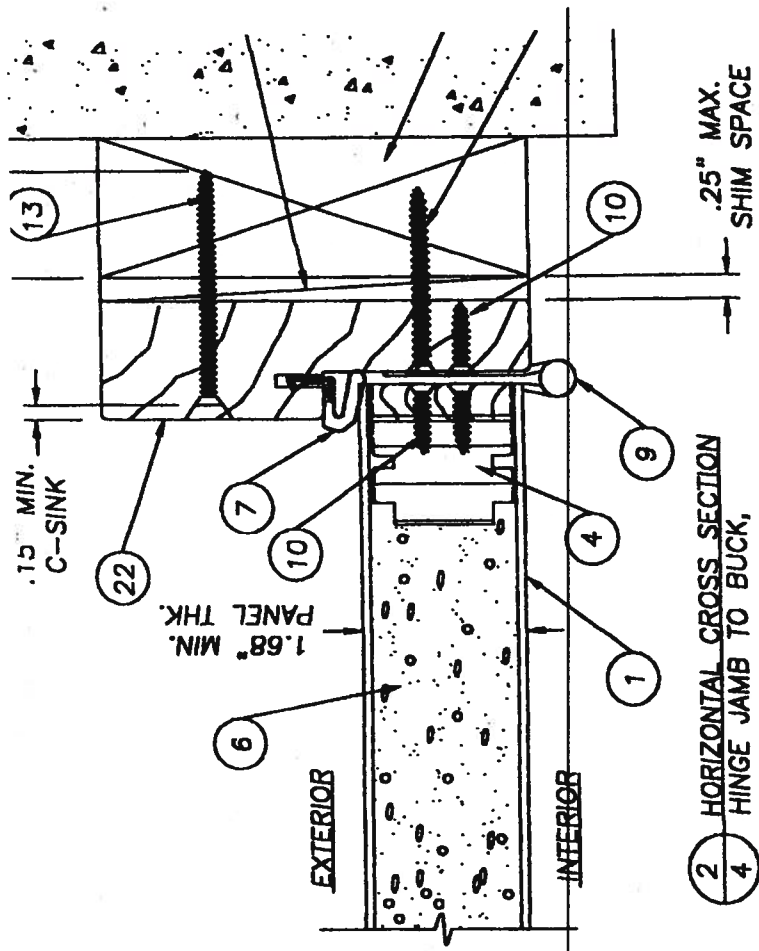
SEE NOTE
7 SHT. 4

2 HORIZONTAL CROSS SECTION
3 HINGE JAMB TO SIDELITE



DETAIL "A"

OPTIONAL SURFACE BOLTS IN ACTIVE PANEL
(SEE DESIGN PRESSURE CHART)



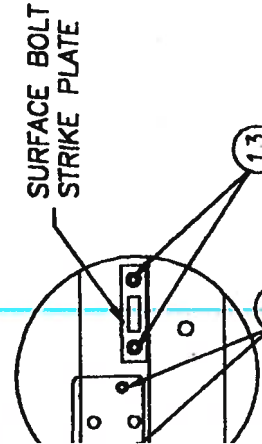
IS AS FOLLOWS: FROM WITH (7) MORE SPACED CREWS BOTH TOP AND CORNER. INACTIVE DOOR IS AS 3", 5", 18.25", 54" HE SIDE JAMBS WITH HE SIDE JAMBS WITH THE JAMB WITH (12) RE ARE (4) AT TOP DOWN AT 13.5" T THE HEADER AT 4" THE FRAME. THERE ARE JTSIDE CORNERS. URING THE MULLIONS ERIMETER ANCHORING AND UP FROM THE T 16.9" O.C. E JAMB AND THE BUCK CHING THE HINGE TO

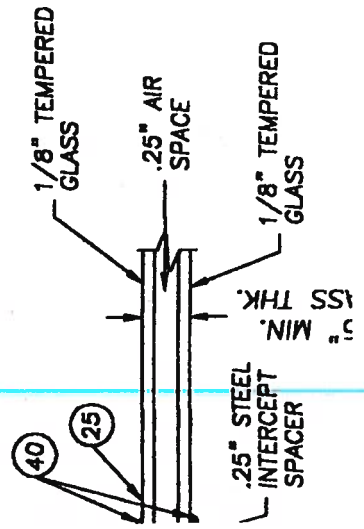
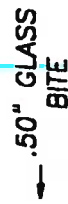
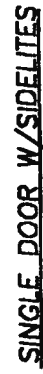


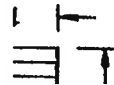
1343
SEE NOTE
THIS SHIT.

1343
SEE NOTE

NOTE:
USE ITEM #13 A #8 x 2 1/2" PFH W/ ATTACH THE STRIKE AND DEADBOLT PL JAMB OR ASTRAGAL EXCEPI IN THE ML APPLICATION WITH THE SIDELITE USE IT 2" PFH WOOD SCREW.

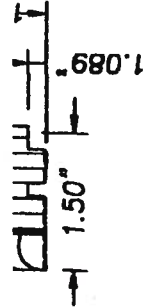






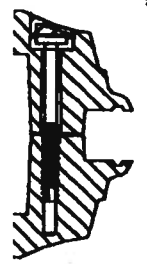
LOCK

OAK CAP

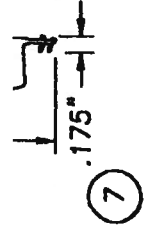


HINGE SIDE STILE

CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.

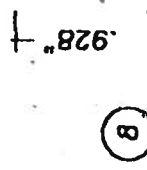


PLASTIC LIP LITE FRAME
EXTRUDED SMC

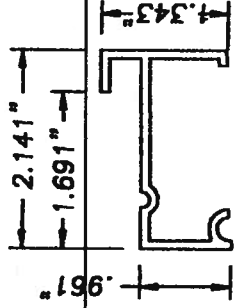


COMPRESSION WEATHERSTRIP
BY THERMA-TRU

FOAM CELL CORE W/VINYL JACKET

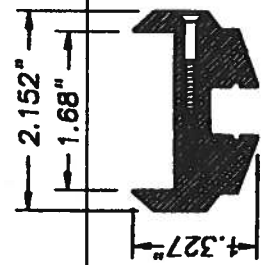


LONG COMPRESSION
FOAM CELL CORE



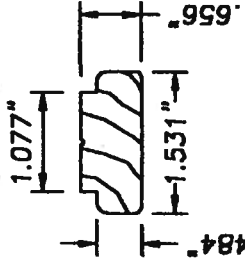
INSWING SIDELITE
BOTTOM BOOT

0.09" EXTRUDED VINYL WALL



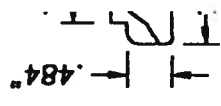
PLASTIC LIP LITE FRAME
EXTRUDED PVC

TOP RAIL
WOOD COMPOSITE

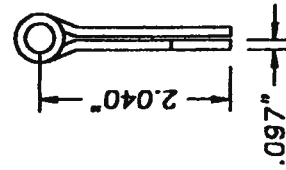


SIDELITE TOP
& BOTTOM RAIL

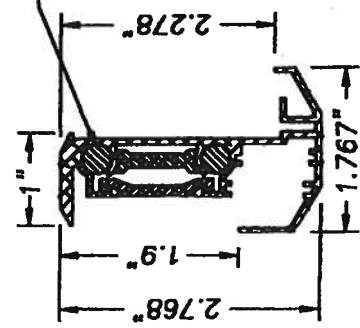
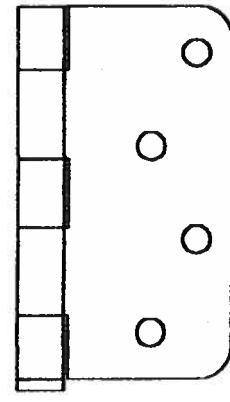
BOI
WOOD



SIDELITE
FINGERBOARD

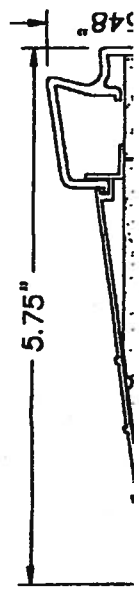


4 x 4 STEEL DOOR HINGE



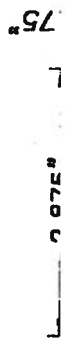
ASTRAGAL RETAINER BOLTS,
(2) 17.0" LG. X 0.3125" DIA.
(2) TOP & (2) 8.0" LG. X
0.3125" DIA. (4) BOLTS TOTAL

WINDJAMBER II WR801
ASTRAGAL (ALUMINUM .052" WALL TYP.)



WINDJAMBER II WR801

WALL





BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

Outswing

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
1687 Woodlands Drive
Maumee, Ohio 43537

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).

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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: "Classic Craft" 8'0 Outswing Opaque Fiberglass Door w & w/o Sidelites

APPROVAL DOCUMENT: Drawing No. S-2162, titled "Classic Craft Opaque" Single & Double Outswing 8'0 Fiberglass Door, sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 11/10/01, with revision #2 dated 5/27/02, 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: 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 as well as approval document mentioned above

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No 02-0109.05
Expiration Date: September 19, 2007
Approval Date: September 19, 2002
Page 1

NOTES

1) MEET THE FLORIDA

2) MUST BE ANCHORED PROPERLY TO STRUCTURE.

3) AS LISTED AND SPACED AS SHOWN. EMBEDMENT TO BASE MATERIAL USING OR STUCCO.

4) SEE TABLE SHEET 1.

5) OTHER REQUIREMENTS FOR HIGH DAM

6) S" WITH USE OF HIGH DAM

7) IN AREAS REQUIRING WIND RESISTANCE, FLORIDA BUILDING CODE SHUTTERS ARE REQUIRED.

8) CAN BE USED IN A VARIETY OF APPLICATIONS.

FIBERGLASS DOOR

1) (in conditions)
2) 25" minimum thickness,
3) 30 psi
4) core,

5) in is constructed from a
6) und (SMC). The interior cavity
7) SF polyurethane foam. The
8) the wood stiles and rails.
9) VL or LSL. The latch stile
10) latch reinforcement. The top
11) composite material. In the
12) tive door is fitted with an
13) 6060-T6 alloy.
14) uted from finger jointed pine. The
15) (3) #8 x 2 1/2" long Phillips flathead
16) ured together in a sidelite application
17) i) screws per each mullion. The units
18) r a Low Profile or High Water Dam type.
19) sandwich glazed using a two piece
20) exterior with an 1/8" thk. cellular
21) Silicon Compound. The lite frames are
22) Plascrow or a #6-18 1 3/4" long

F CONTENTS

DESCRIPTION

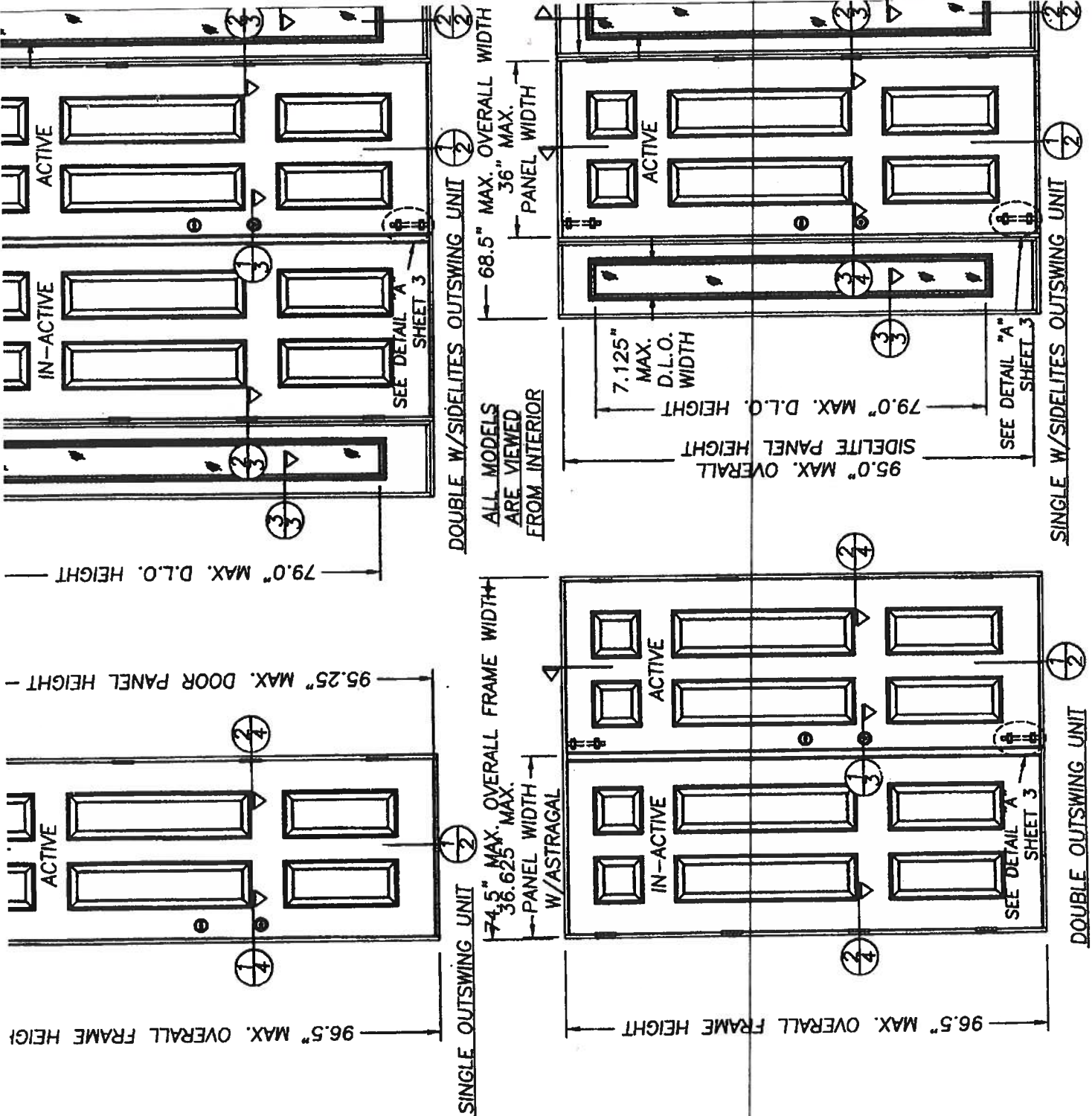
& GENERAL NOTES

STANDARD & BUILDING MATERIALS

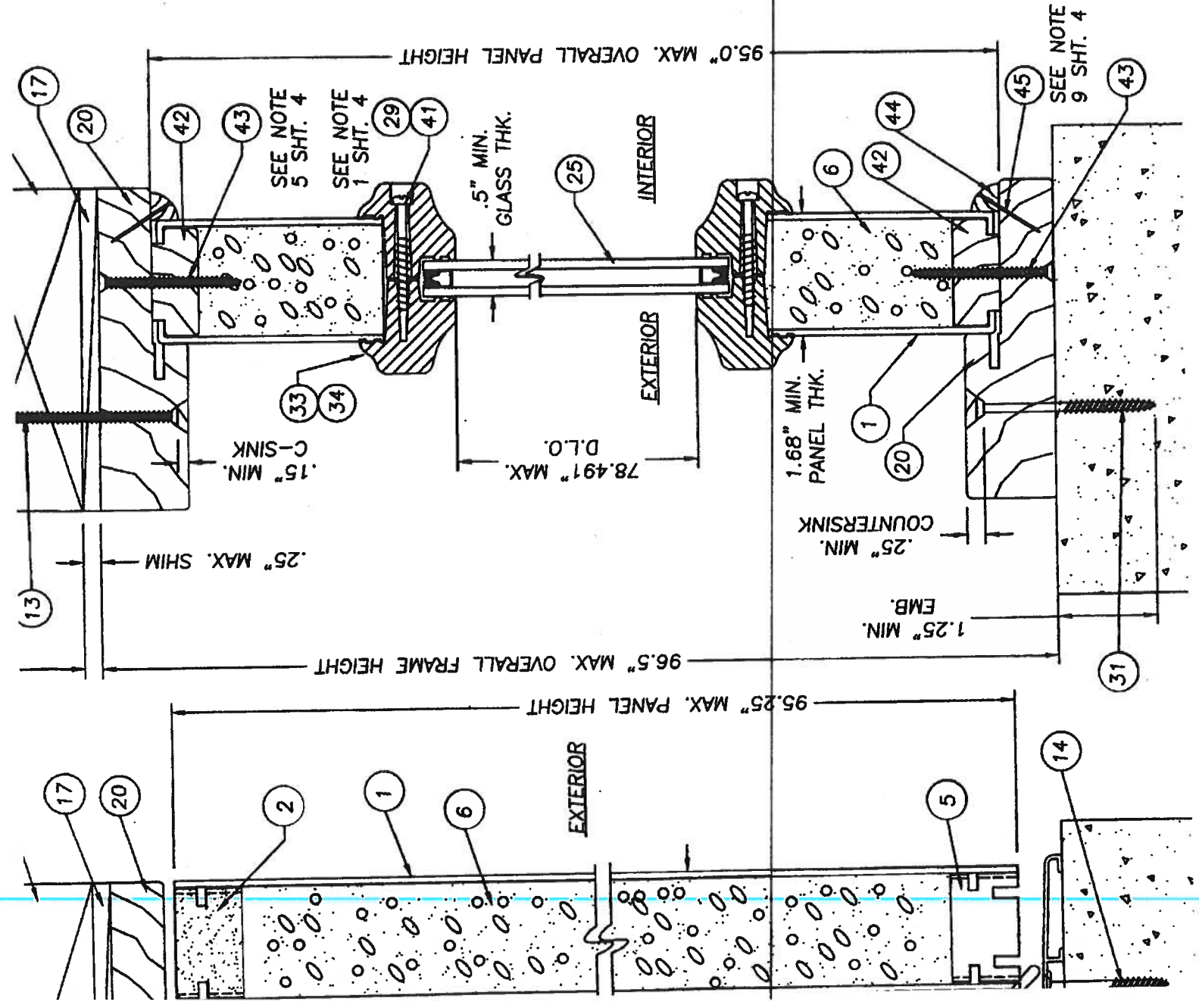
DESIGN PRESSURE RATING

WHEN WATER INFILTRATION IS REQUIRED

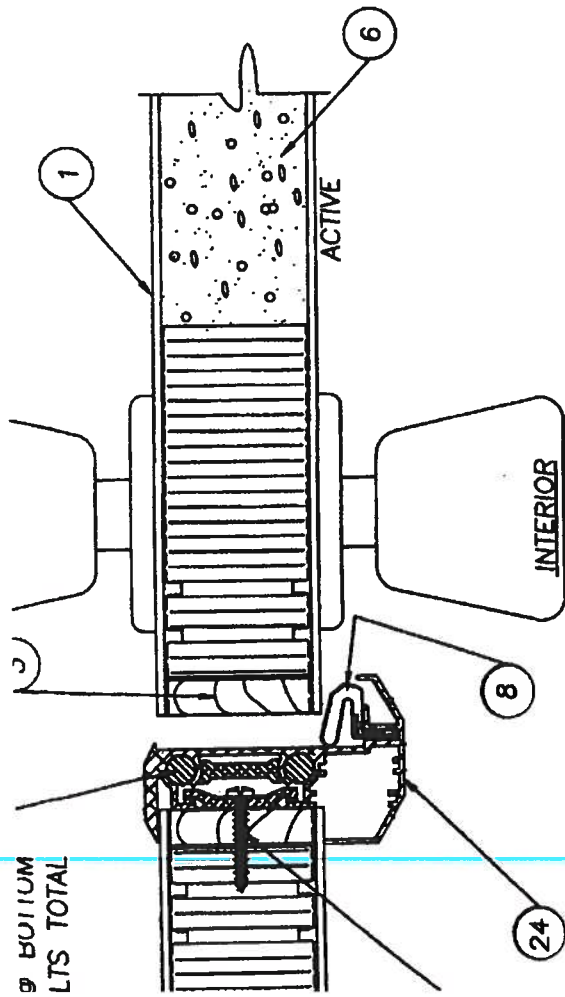
A



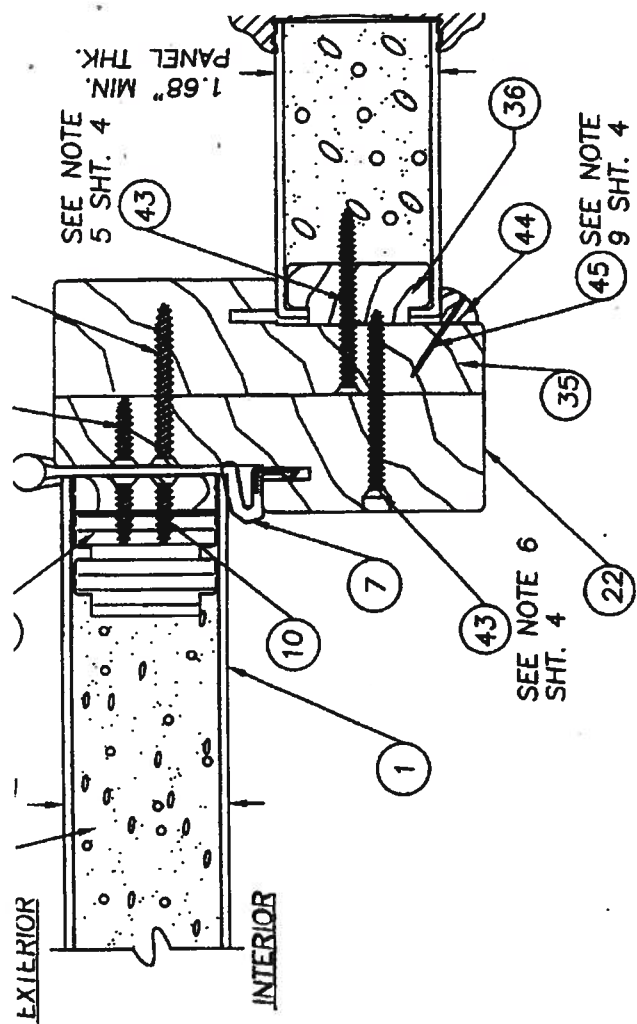
4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE)
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" LG. PFH WOOD SCREW (Hinge to Frame)
11	NOT USED
12	#10 x 2" LG. PFH WOOD SCREW
13	#8 x 2 1/2" LG. PFH WOOD SCREW
14	3/16" TAPCON ANCHOR (ELCO)
15	NOT USED
16	2x INNER WOOD BUCK
17	MAX. 1/4" SHIM MATERIAL
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK
19	ONE PIECE BUMP FACE THRESHOLD (THERMA-TRU) (NOT FOR USE IN "HIGH VELOCITY HURRICANE ZONES"
20	HEADER 4.656" x 1.211" (THERMA-TRU, PINE)
21	4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PINE)
22	4.563" x 1.25" HINGE JAMB (THERMA-TRU, PINE)
23	KWIKSET TITAN 700 SERIES DEADBOLT
24	ASTRAGAL WINDJAMBER II WR80T (.052" WALL)
25	GLAZING, 1/2" INSULATED TEMPERED GLASS
26	NOT USED
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW
28	NOT USED
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM
30	NOT USED
31	3/16" TAPCON ANCHOR (ELCO, 2.5" MIN. LG.)
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)
34	PLASTIC LIP LITE FRAME (SMC THERMA-TRU)
35	4.656" x 1.211" BLANK JAMB (THERMA-TRU, PINE)
36	SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PINE)
37	#10 x 1 3/4" LG. PFH WOOD SCREW
38	SS. LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x 4
39	HIGH WATER DAM THRESHOLD (USE IS REQUIRED IN "HIGH VELOCITY HURRICANE ZONES
40	SILICONE CAULK (DOW 795)
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34)
42	SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656"
43	#8 x 2" LG. PFH WOOD SCREW
44	3/8" x 3/8" QUARTER ROUND FINGER JOINTED PINE
45	1" L x .040" DIA. BRAD TRIM NAIL
46	MES SURFACE BOLT #454 8.0" L x .25" THK. STEEL
47	1/4-20 SEX BOLT W/1/4-20 FEMALE END x 1 3/4" L



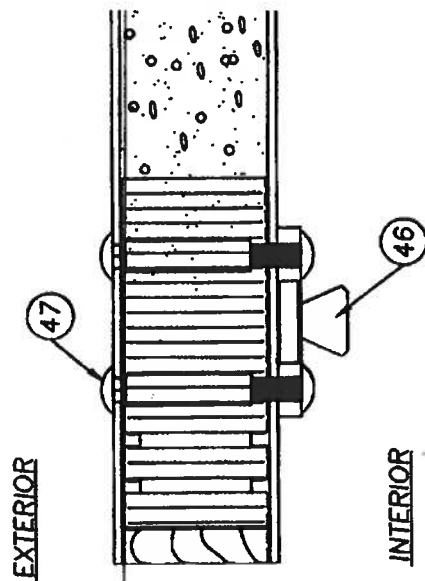
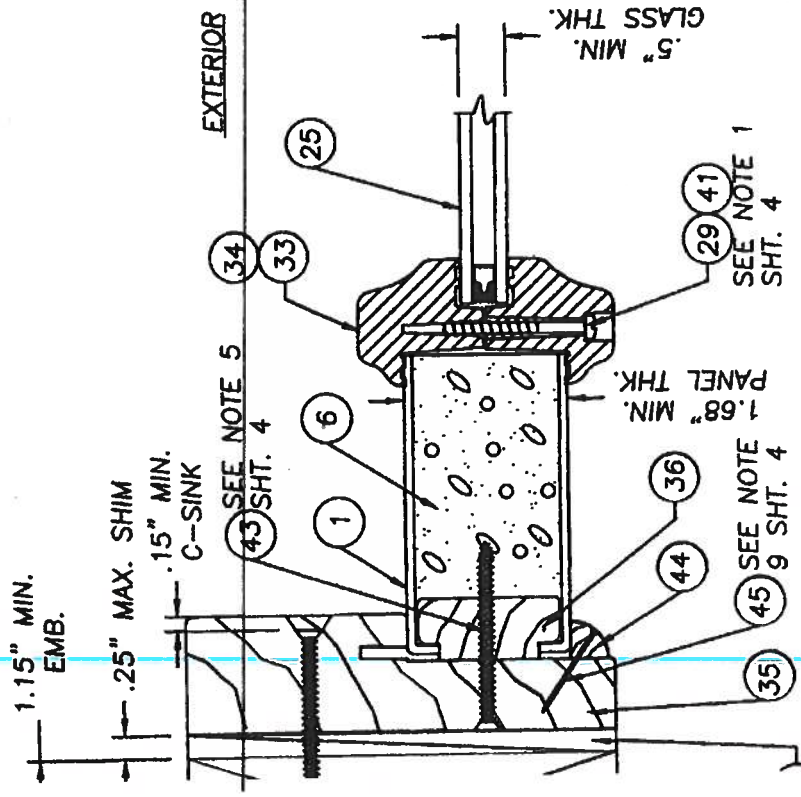
9 BOTTOM
LTS TOTAL



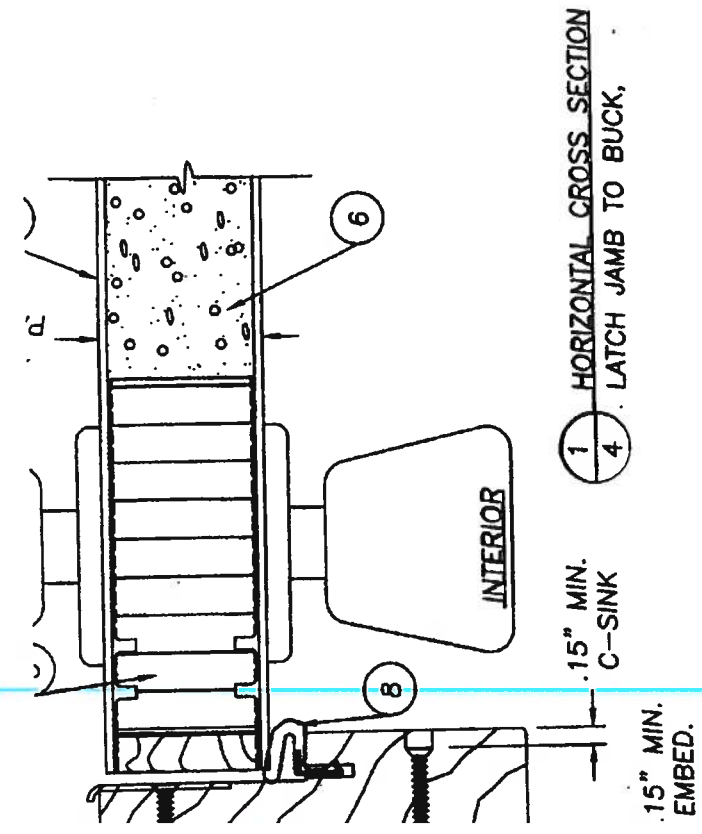
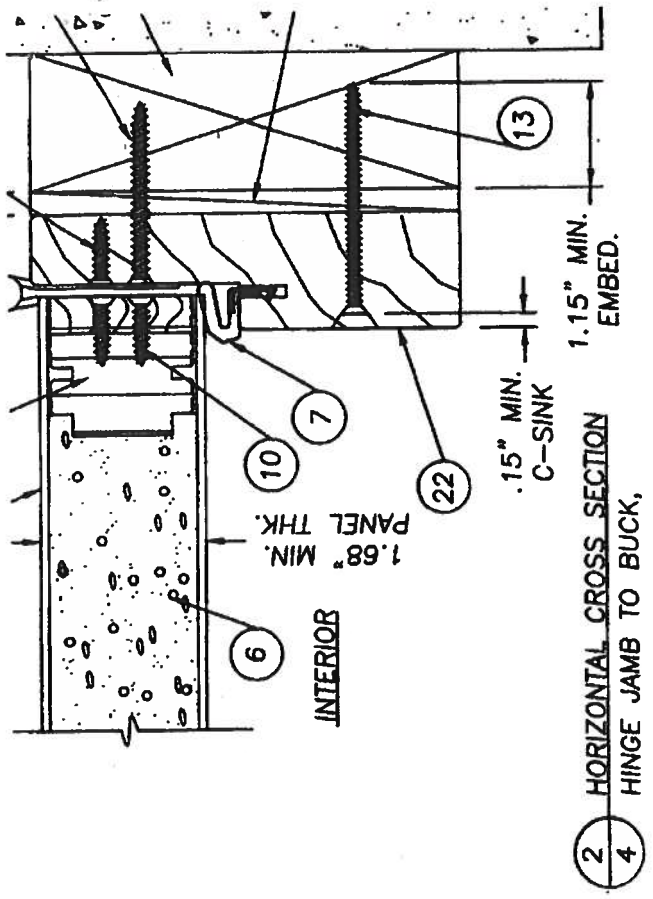
1 HORIZONTAL CROSS SECTION
3 ② ASTRAGAL
(SEE DESIGN PRESSURE RATE CHART)



2 HORIZONTAL CROSS SECTION
3 ② HINGE JAMB TO SIL



DETAIL "A"
OPTIONAL SURFACE BOLTS IN ACTIVE
(SEE DESIGN PRESSURE CHART)



CREWS) IS AS FOLLOWS: FROM 6.5", WITH (7) MORE SPACED (2) SCREW BOTH TOP AND EACH CORNER. 1" PANHEAD SCREW) THE INACTIVE DOOR IS AS OWN 1", 3", 5", 18.25", 54" ;".

TO THE SIDE JAMBS WITH

TO THE SIDE JAMBS WITH

INTO THE JAMB WITH (12)

THERE ARE (4) AT

THE TOP DOWN AT 13.5",

(2) AT THE HEADER AT 4"

S OF THE FRAME. THERE ARE

THE OUTSIDE CORNERS.

W SECURING THE MULLIONS

THE PERIMETER ANCHORING

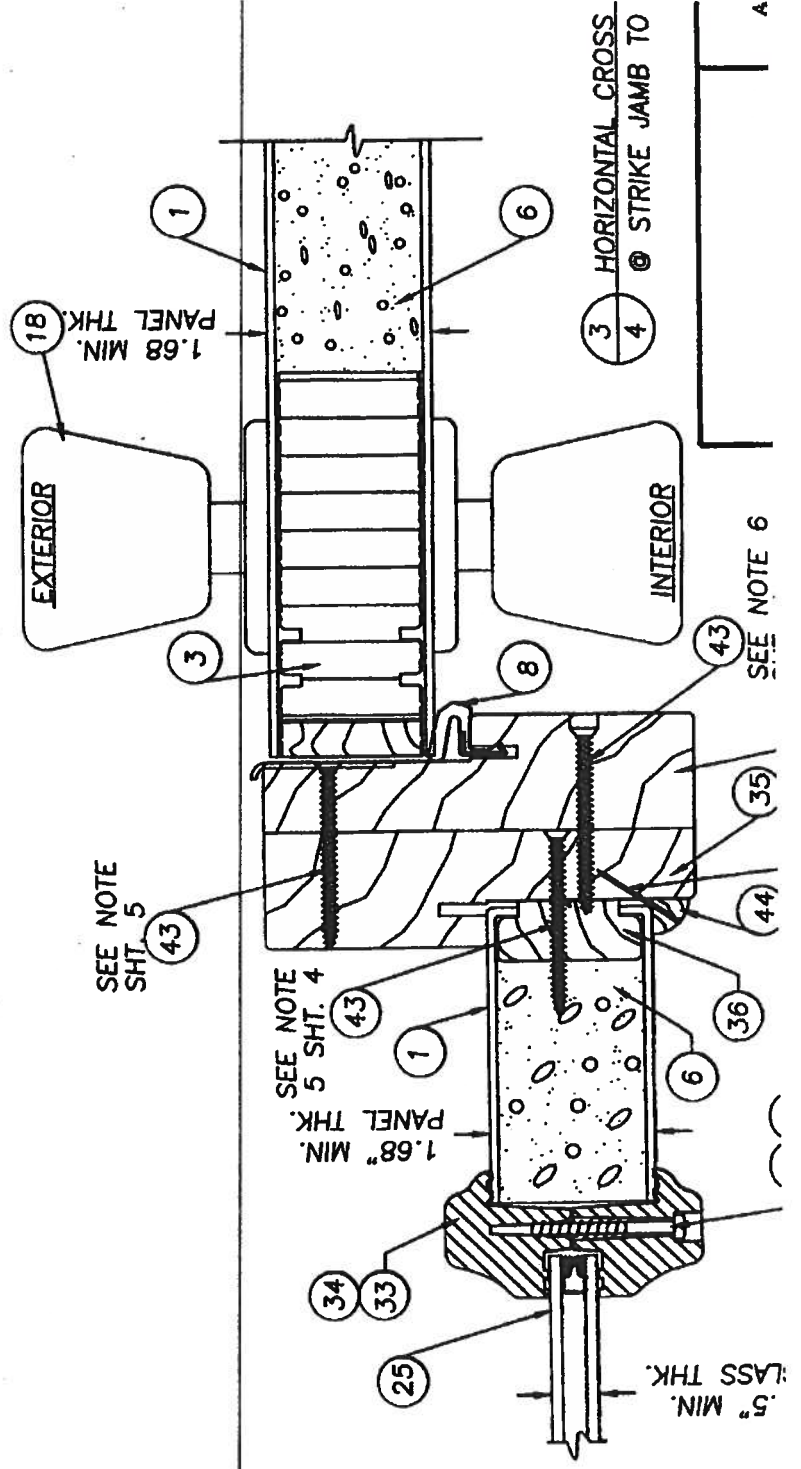
IE TOP AND UP FROM THE

ICED AT 16.9" O.C.

TO THE JAMB AND THE BUCK

N ATTACHING THE HINGE TO

AT THE MULLION USE ITEM

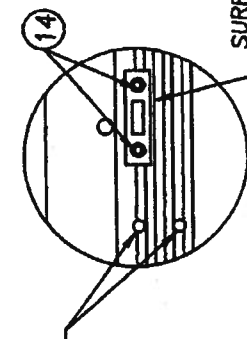




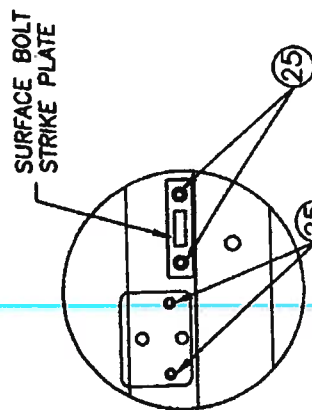
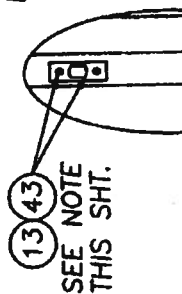
SINGLE DOOR



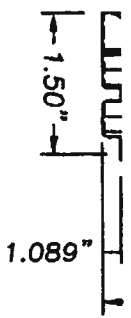
NOTE:
USE #8 x 2 1/2" PFH WOOD SCF
STRIKE AND DEADBOLT PLATES TO
ASTRALG EXCEPT IN THE MULLED
THE SIDELITE USE #8 x 2" PFH W



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



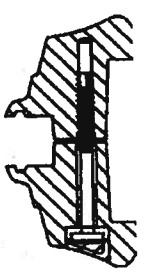
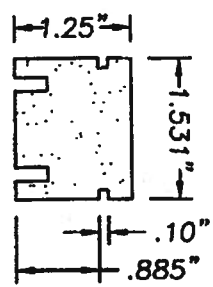
SURFACE BOLT



4 HINGE SIDE STILE

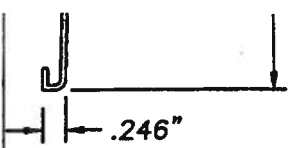
CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADATA, PULAI, ELLIOTTI, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.

2 TOP RAIL
WOOD COMPOSITE

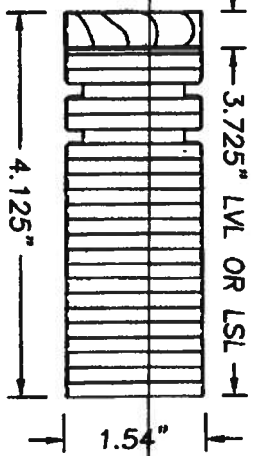


34 PLASTIC LIP LITE FRAME
EXTRUDED SMC

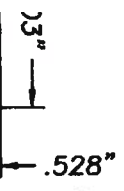
33 PL



4 RED OAK CAP
3.725" LVL OR LSL
4.125"

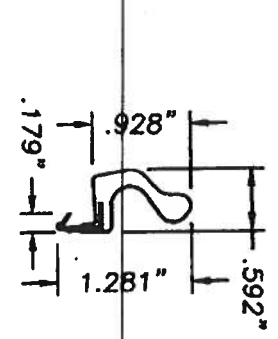
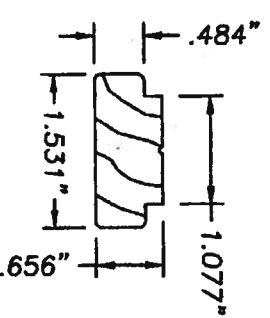


3 LATCH SIDE STILE/ LOCK BLOCK
LVL OR LSL W/ KILN DRIED RED OAK CAP



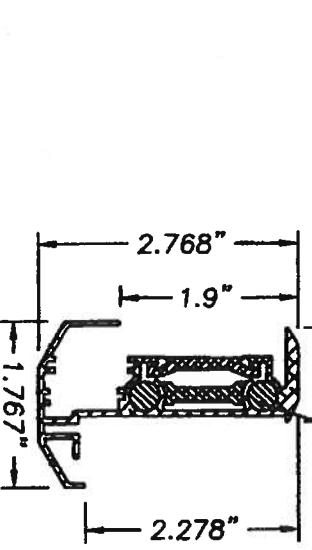
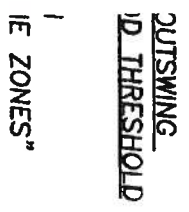
ASTRAGAL RETAINER BOLTS,
(2) 17.0" LG. X 0.3125" DIA.
@ TOP & (2) 8.0" LG. X
0.3125" DIA. @ BOTTOM
(4) BOLTS TOTAL

42 SIDE LITE TOP & BOTTOM RAIL
FINGER JOINTED PONDEROSA PINE

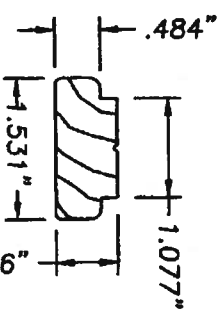


8 LONG REACH
COMPRESSION WEATHERSTRIP
FOAM CELL CORE
W/VINYL JACKET

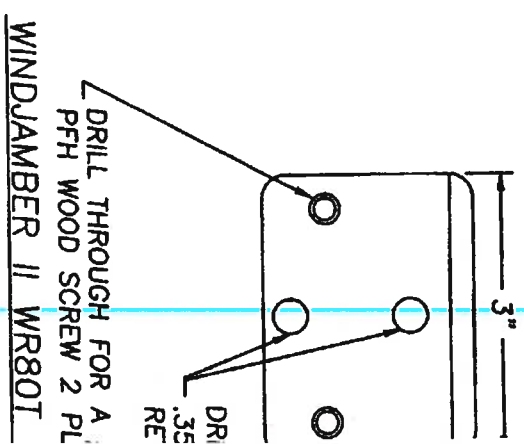
7 COMPRES
BY
FOAM
W/



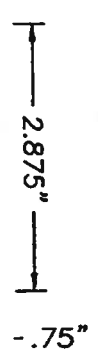
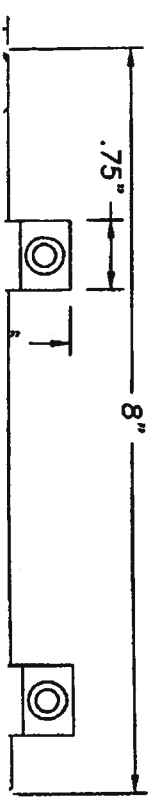
24 WINDJAMBER II WR80T
ASTRAGAL (ALUMINUM .052" WALL THK.)

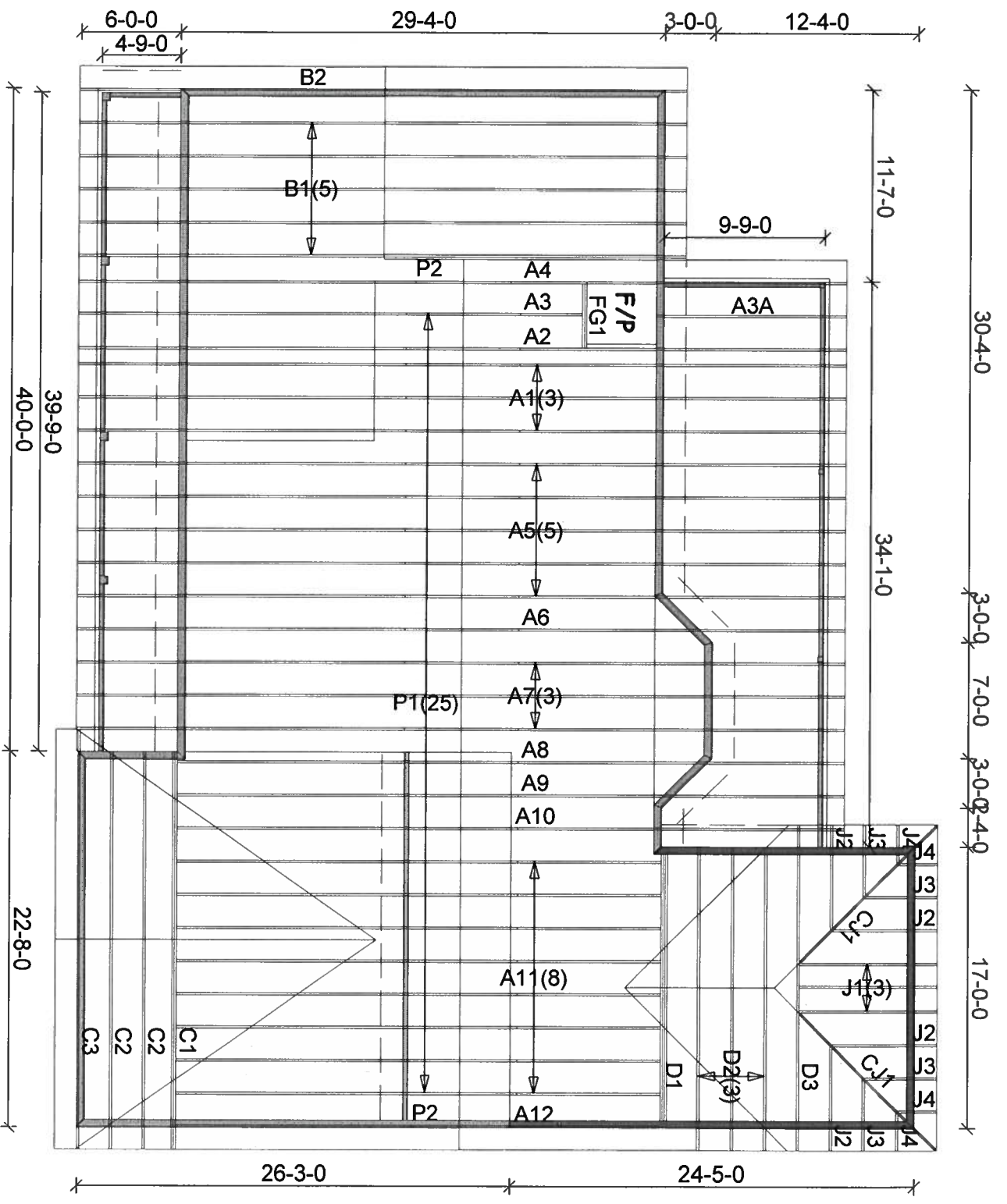


36 SIDE LITE BLANK SIDE STILE
FINGER JOINTED PONDEROSA PINE



WINDJAMBER II WR80T
DRILL THROUGH FOR A
PFH WOOD SCREW 2 PL





Mayo Truss Co. Inc.

845 East US 27
MAYO, FL 32066
(386) 244-3988
(877) 558-6162

TROY UNDERHILL

WESTMORELAND RESIDENCE

110 MPH ASCE WIND LOAD

Roof Loading
TC Live: 20.00 psf
TC Dead: 10.00 psf
BC Live: 0.00 psf
BC Dead: 10.00 psf
TC Stress Inc: 25.00
BC Stress Inc: 25.00
Spacing: 2'-0" o.c.

Account: CONTRACTORS
Job: UNDER-WEST
Designer: M.MURRAY
Checker: M.MURRAY
Date: 08-14-07



RE: under-west -

Site Information:

Project Customer: TROY UNDERHILL Project Name: UNDER-WEST
Lot/Block: BILL & LORETTA WEST Subdivision: -
Address: -
City: NA State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:
Address: State:
City:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2004/TPI2002 Design Program: Robbins OnLine Plus 21.0.059□
Wind Code: ASCE 7-02 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 29 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T2640123	A1	8/13/07	18	T2640140	C3	8/13/07
2	T2640124	A2	8/13/07	19	T2640141	CJ1	8/13/07
3	T2640125	A3	8/13/07	20	T2640142	D1	8/13/07
4	T2640126	A3A	8/13/07	21	T2640143	D2	8/13/07
5	T2640127	A4	8/13/07	22	T2640144	D3	8/13/07
6	T2640128	A5	8/13/07	23	T2640145	FG1	8/13/07
7	T2640129	A6	8/13/07	24	T2640146	J1	8/13/07
8	T2640130	A7	8/13/07	25	T2640147	J2	8/13/07
9	T2640131	A8	8/13/07	26	T2640148	J3	8/13/07
10	T2640132	A9	8/13/07	27	T2640149	J4	8/13/07
11	T2640133	A10	8/13/07	28	T2640150	P1	8/13/07
12	T2640134	A11	8/13/07	29	T2640151	P2	8/13/07
13	T2640135	A12	8/13/07				
14	T2640136	B1	8/13/07				
15	T2640137	B2	8/13/07				
16	T2640138	C1	8/13/07				
17	T2640139	C2	8/13/07				

The truss drawing(s) referenced above have been prepared by Robbins Engineering, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: O'Regan, Philip

My license renewal date for the state of Florida is February 28, 2009.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

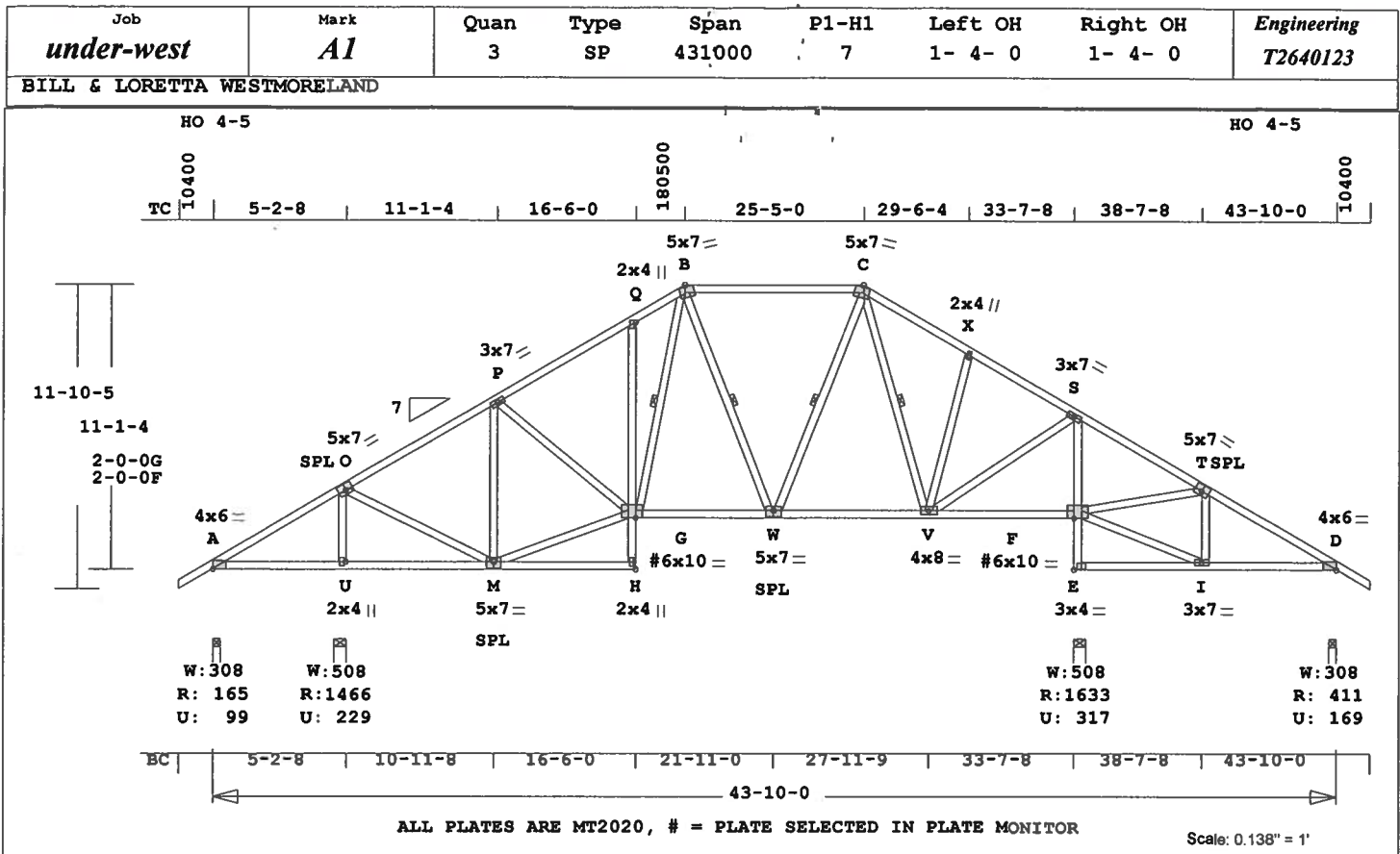
August 13, 2007

6904 Parke East Boulevard
Tampa, FL 33610-4115 O'Regan, Philip
Phone: 813-972-1135 • Fax: 813-971-6117
www.robbseng.com

DALLAS

TAMPA

FT. WORTH



Online Plus -- Version 21.0.059
 RUN DATE: 13-AUG-07

CSI -Size- ---Lumber---
 TC 0.45 2x 4 SP-#2
 BC 0.27 2x 4 SP-#2
 CW 0.14 2x 4 SP-#2
 WB 0.32 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 18- 5- 0
 TC 24.0" 18- 5- 0 25- 5- 0
 TC Cont. 25- 5- 0 43-10- 0
 BC Cont. 0- 0- 0 43-10- 0
 One Continuous Lateral Brace
 G -B B -W W -C C -V
 Attach CLB with (2)-10d nails
 at each web.

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 166 100 U 238 R
 U 1467 229 U
 E 1633 318 U
 D 412 169 U 239 R

Jt Brg Size Required
 A 3.5" 1.5"
 U 5.5" 1.6"
 E 5.5" 1.5"
 D 3.5" 1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
 ---Top Chords---
 A -O 0.34 214 T 0.03 0.31
 O -P 0.31 888 C 0.00 0.31
 P -Q 0.32 1114 C 0.01 0.31
 Q -B 0.20 1096 C 0.00 0.20
 B -C 0.45 805 C 0.01 0.44
 C -X 0.15 723 C 0.00 0.15
 X -S 0.21 791 C 0.00 0.21
 S -T 0.25 191 T 0.01 0.24
 T -D 0.24 289 C 0.00 0.24

---Bottom Chords---
 A -U 0.19 157 C 0.00 0.19
 U -M 0.19 157 C 0.00 0.19
 M -H 0.19 19 C 0.00 0.19

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 379.3 LBS

G -W 0.27 862 T 0.08 0.19
 W -V 0.26 697 T 0.07 0.19
 V -F 0.18 216 T 0.00 0.18
 E -I 0.17 33 C 0.00 0.17
 I -D 0.19 259 T 0.02 0.17

---Chord-Webs---
 H -G 0.07 84 T 0.01 0.06
 G -Q 0.04 217 C 0.01 0.03
 E -F 0.14 1595 C 0.14 0.00
 F -S 0.14 1337 C 0.09 0.05

---Webs---
 U -O 0.18 1325 C
 O -M 0.18 1000 T
 M -P 0.32 620 C
 P -G 0.15 819 T
 F -G 0.04 242 T
 G -B 0.07 413 T 1 Br
 B -W 0.04 146 C 1 Br
 W -C 0.05 294 T 1 Br
 C -V 0.07 255 C 1 Br
 V -X 0.12 220 C
 V -S 0.18 1011 T
 F -T 0.14 435 C
 F -I 0.06 302 T
 I -T 0.02 150 T

TL Defl -0.02" in A -U L/999
 LL Defl -0.01" in A -U L/999
 Shear // Grain in B -C 0.27

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 4.0x 6.0 0.2 0.1 0.77
 O MT20 5.0x 7.0 0.3 0.5 0.81
 P MT20 3.0x 7.0 Ctr Ctr 0.45
 Q MT20 2.0x 4.0 Ctr Ctr 0.23
 B MT20 5.0x 7.0 0.9-3.3 0.98
 C MT20 5.0x 7.0 0.9-3.3 0.81
 X MT20 2.0x 4.0 Ctr Ctr 0.50
 S MT20 3.0x 7.0 Ctr Ctr 0.56
 T MT20 5.0x 7.0 0.3 0.5 0.81
 D MT20 4.0x 6.0 0.2 0.1 0.77
 U MT20 2.0x 4.0 Ctr Ctr 0.50
 M MT20 5.0x 7.0 Ctr-0.5 0.83
 H MT20 2.0x 4.0 Ctr Ctr 0.62
 G# MT20 6.0x10.0 Ctr 1.2 0.71
 W MT20 5.0x 7.0 Ctr-0.5 0.83
 V MT20 4.0x 8.0 Ctr Ctr 0.52
 F# MT20 6.0x10.0 Ctr 1.3 0.71
 E MT20 3.0x 4.0 Ctr Ctr 0.82
 I MT20 3.0x 7.0 Ctr Ctr 0.50

= Plate Monitor used

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

concurrent LL on BC.

NOTE: USER MODIFIED PLATES

This design may have plates

selected through a plate

monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions --From-- --To--

0- 0- 0 4-11-12

33- 7- 8 43-10- 0

Max comp. force 1595 Lbs

Max tens. force 1011 Lbs

Quality Control Factor 1.25

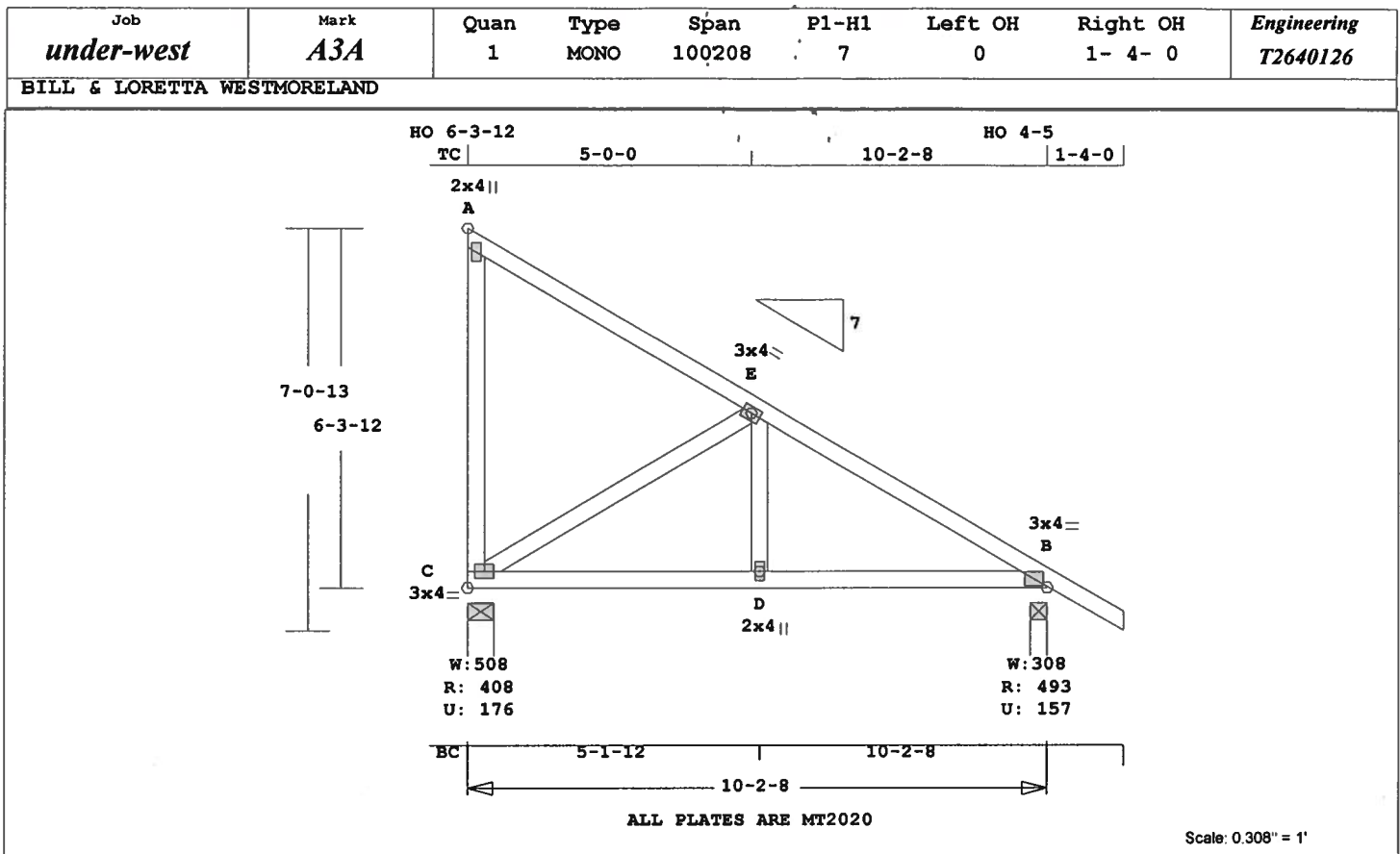
Philip J. O'Regan, FL Lic. #58126
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL 33610
 FL Cert.#5555

August 13,2007

BILL & LORETTA WESTMORELAND



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 270.1 LBS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 71.1 LBS

Online Plus -- Version 21.0.059
RUN DATE: 13-AUG-07

CSI	-Size-	----	Lumber----
TC	0.29	2x 4	SP-#2
BC	0.21	2x 4	SP-#2
WB	0.21	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	10- 2- 8
BC	Cont.	0- 0- 0	10- 2- 8

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
TC	Fb=1.15	Fc=1.10
BC	Fb=1.10	Fc=1.10

Total Load Reactions (lbs)

Jt	Down	Uplift	Horiz-
C	408	176 U	211 R
B	494	158 U	105 R

Jt	Brg Size	Required
C	5.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P	Lbs	Axl	-CSI-Bnd
-----Top Chords-----					
A	-E	0.29	96 T	0.00	0.29
E	-B	0.29	534 T	0.00	0.29
-----Bottom Chords-----					

C	-D	0.21	400 T	0.00	0.21
D	-B	0.21	400 T	0.00	0.21
-----Webs-----					
C	-A	0.21	126 C	WindLd	
C	-E	0.19	626 T		
D	-E	0.04	319 C		

TL Defl	-0.04"	in C -D	L/999
LL Defl	-0.02"	in C -D	L/999
Shear //	Grain	in A -E	0.20

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.38
E MT20 3.0x 4.0 Ctr Ctr 0.47
B MT20 3.0x 4.0 Ctr Ctr 0.59
C MT20 3.0x 4.0 Ctr Ctr 0.54
D MT20 2.0x 4.0 Ctr Ctr 0.38

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions --From-- ---To---

0- 0- 0 10- 2- 8

Max comp. force 467 Lbs

Max tens. force 626 Lbs

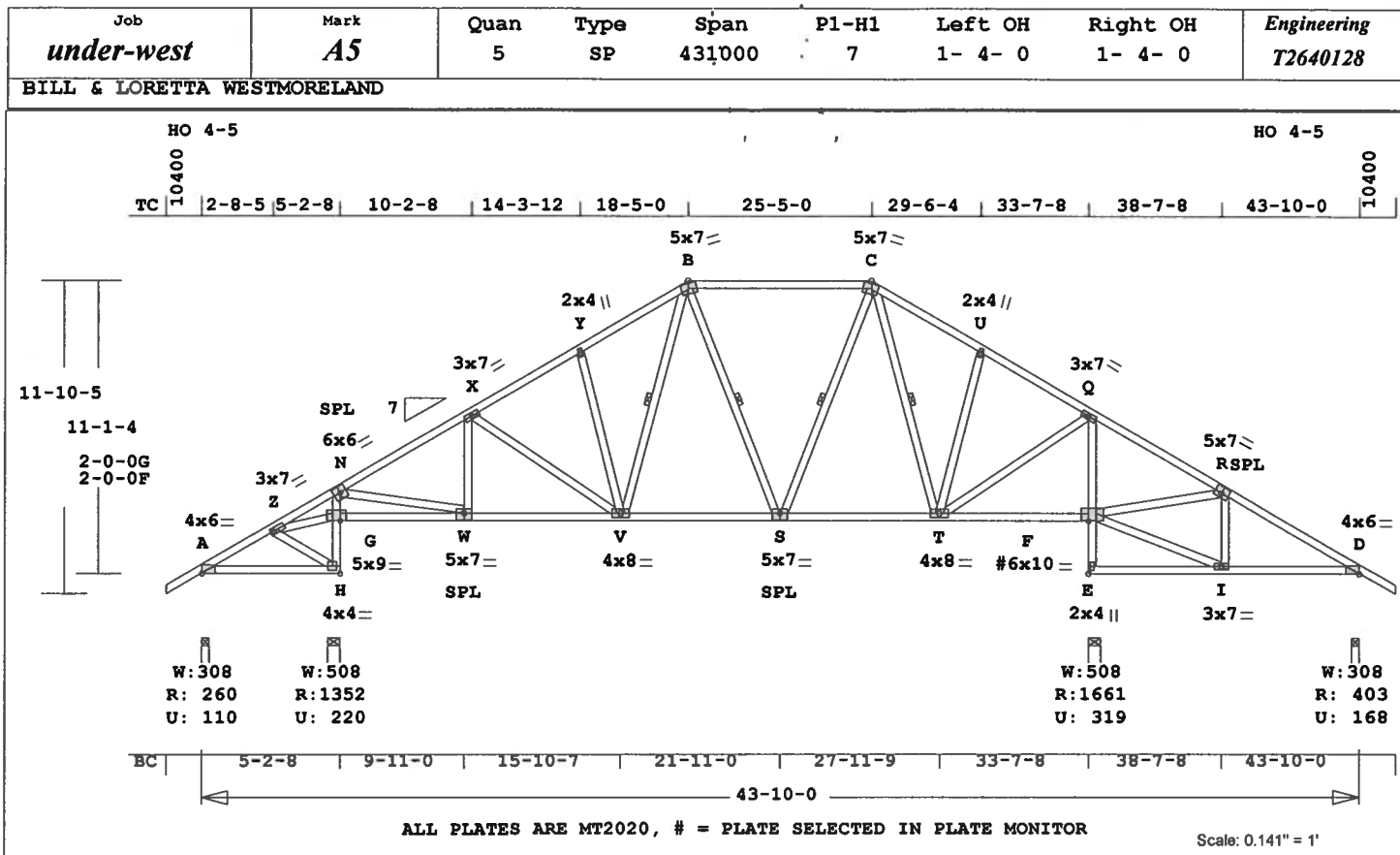
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL 33610
FL Cert.#5555

August 13, 2007

Job <i>under-west</i>	Mark <i>A4</i>	Quan 1	Type SP	Span 431000	P1-H1 7	Left OH 0	Right OH 0	Engineering <i>T2640127</i>
BILL & LORETTA WESTMORELAND								

TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 5- 2- 8
Max comp. force 1880 Lbs
Max tens. force 1504 Lbs
Quality Control Factor 1.25



Online Plus -- Version 21.0.059
 RUN DATE: 13-AUG-07

CSI -Size- ---Lumber---
 TC 0.45 2x 4 SP-#2
 BC 0.30 2x 4 SP-#2
 CW 0.14 2x 4 SP-#2
 WB 0.21 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 18- 5- 0
 TC 24.0" 18- 5- 0 25- 5- 0
 TC Cont. 25- 5- 0 43-10- 0
 BC Cont. 0- 0- 0 43-10- 0
 One Continuous Lateral Brace
 V -B B -S S -C C -T
 Attach CLB with (2)-10d nails
 at each web.

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz
 A 261 110 U 239 R
 H 1352 220 U
 E 1661 320 U
 D 403 169 U 239 R

Jt Brg Size Required
 A 3.5" 1.5"
 H 5.5" 1.5"
 E 5.5" 1.8"
 D 3.5" 1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
 ---Top Chords---
 A -Z 0.09 193 T 0.01 0.08
 Z -N 0.21 156 T 0.01 0.20
 N -X 0.21 1358 C 0.01 0.20
 X -Y 0.20 1220 C 0.01 0.19
 Y -B 0.20 1150 C 0.00 0.20
 B -C 0.45 821 C 0.01 0.44
 C -U 0.13 729 C 0.05 0.08
 U -Q 0.21 796 C 0.00 0.21
 Q -R 0.26 217 T 0.02 0.24
 R -D 0.24 280 T 0.00 0.24
 ---Bottom Chords---
 A -H 0.12 97 C 0.00 0.12
 G -W 0.14 96 T 0.00 0.14
 W -V 0.30 1172 T 0.12 0.18
 V -S 0.27 888 T 0.09 0.18

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 365.1 LBS

S -T	0.25	703	T	0.07	0.18
T -F	0.18	226	C	0.00	0.18
E -I	0.17	33	C	0.00	0.17
I -D	0.19	246	T	0.02	0.17
-----Chord-Webs-----					
H -G	0.11	1242	C	0.11	0.00
G -N	0.10	1187	C	0.10	0.00
E -F	0.14	1623	C	0.14	0.00
F -Q	0.14	1370	C	0.09	0.05
-----Webs-----					
Z -H	0.01	130	C		
Z -G	0.01	92	T		
N -W	0.21	1183	T		
W -X	0.02	132	C		
X -V	0.10	180	C		
V -Y	0.11	214	C		
Y -B	0.07	410	T	1 Br	
B -S	0.05	173	C	1 Br	
S -C	0.05	314	T	1 Br	
C -T	0.07	270	C	1 Br	
T -U	0.12	222	C		
T -Q	0.19	1042	T		
F -R	0.14	443	C		
F -I	0.06	287	T		
I -R	0.02	157	T		

TL Defl -0.04" in A -H L/999
 LL Defl -0.04" in W -V L/999
 Shear // Grain in B -C 0.27

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT20 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 4.0x 6.0 Ctr Ctr 0.77
 Z MT20 3.0x 7.0 Ctr Ctr 0.60
 N MT20 6.0x 6.0 Ctr 0.1 0.96
 X MT20 3.0x 7.0 Ctr Ctr 0.45
 Y MT20 2.0x 4.0 Ctr Ctr 0.50
 B MT20 5.0x 7.0 0.5-3.6 0.87
 C MT20 5.0x 7.0 0.5-3.6 0.87
 U MT20 2.0x 4.0 Ctr Ctr 0.50
 Q MT20 3.0x 7.0 Ctr Ctr 0.57
 R MT20 5.0x 7.0 0.3 0.5 0.81
 D MT20 4.0x 6.0 0.2 0.1 0.77
 H MT20 4.0x 4.0 Ctr Ctr 0.94
 G MT20 5.0x 9.0 Ctr 0.8 0.71
 W MT20 5.0x 7.0 Ctr 0.5 0.83
 V MT20 4.0x 8.0 Ctr Ctr 0.52
 S MT20 5.0x 7.0 Ctr 0.5 0.83
 T MT20 4.0x 8.0 Ctr Ctr 0.52
 F# MT20 6.0x10.0 Ctr 1.3 0.71
 E MT20 2.0x 4.0 Ctr Ctr 0.67
 I MT20 3.0x 7.0 Ctr Ctr 0.50

= Plate Monitor used

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
 concurrent LL on BC.

NOTE: USER MODIFIED PLATES

This design may have plates
 selected through a plate
 monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions --From-- --To--

0- 0- 0 5- 2- 8

33- 7- 8 43-10- 0

Max comp. force 1623 Lbs

Max tens. force 1183 Lbs

Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

August 13, 2007

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BILL & LORETTA WESTMORELAND

HO 4-5

TC 10400 20805 50208 10-2-8 14-3-12 18-5-0 25-5-0 29-6-4 33-7-8 38-7-8 43-10-0 10400

11-10-5
11-1-4
2-0-0G
2-0-0F

4x6= A
3x7= Z
SPL
6x6= N
3x7= X
2x4 || Y
5x7= B
5x7= C
2x4 || U
3x7= Q
5x7= R
SPL
4x6= D

5x9= H
4x4= H
5x7= W
SPL
4x8= V
5x7= S
SPL
4x8= T
#6x10= F
2x4 || E
AA 2x4 || I
3x7= AA
2x4 ||

W: 308
R: 252
U: 109

W: 508
R: 1443
U: 233

W: 508
R: 1959
U: 314

W: 308
R: 0
U: 150

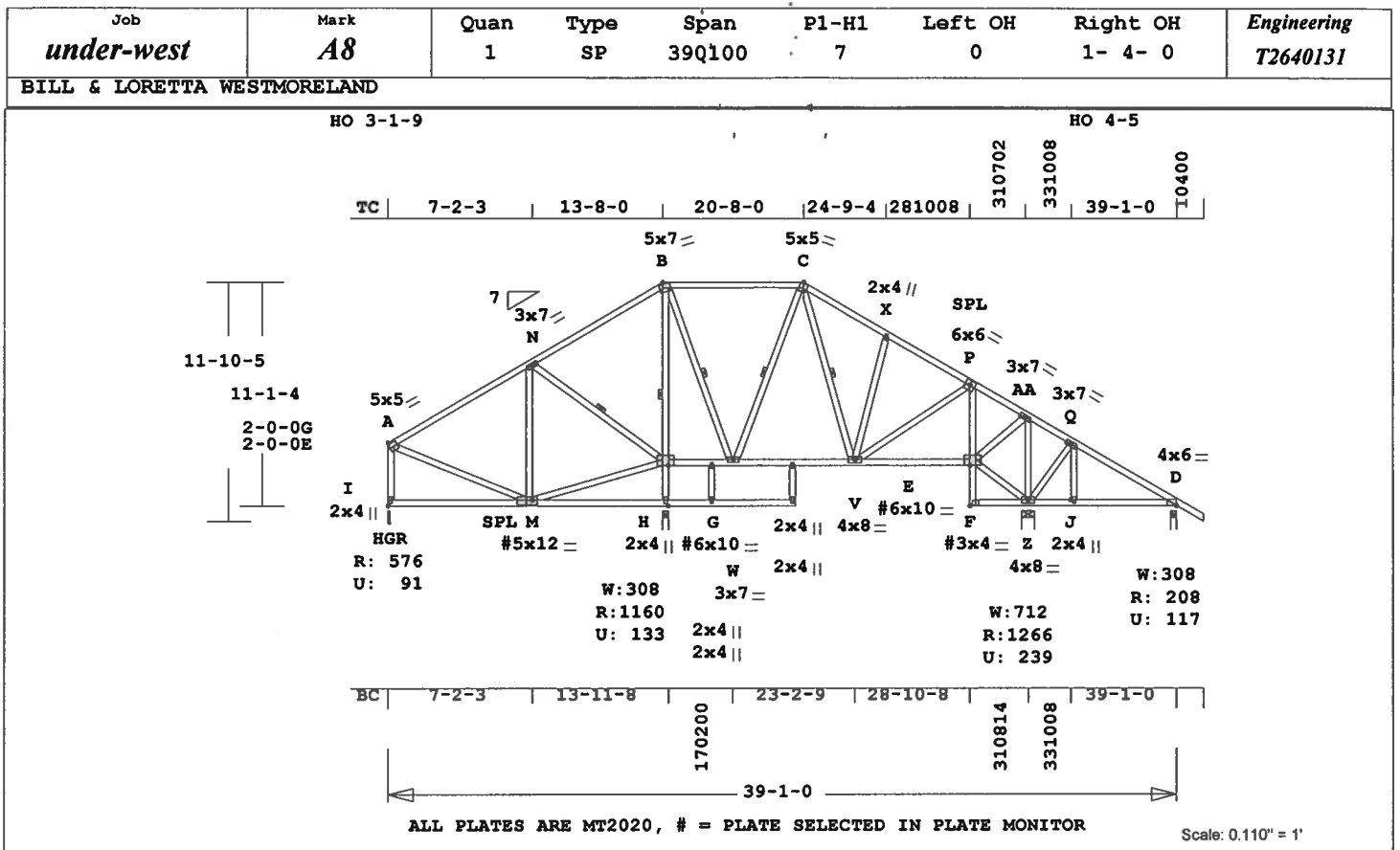
BC 5-2-8 9-11-0 15-10-7 21-11-0 27-11-9 33-7-8 361004 380708 43-10-0

43-10-0

ALL PLATES ARE MT2020, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.121" = 1'

August 13, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 375.9 LBS
 Online Plus -- Version 21.0.059
 RUN DATE: 13-AUG-07

CSI -Size- ---Lumber---
 TC 0.57 2x 4 SP-#2
 BC 0.36 2x 4 SP-#2
 CW 0.10 2x 4 SP-#2
 WB 0.18 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 13- 8- 0
 TC 24.0" 13- 8- 0 20- 8- 0
 TC Cont. 20- 8- 0 39- 1- 0
 BC Cont. 0- 0- 0 39- 1- 0

One Continuous Lateral Brace
 N -G B -W W -C C -V
 H -B
 Attach CLB with (2)-10d nails
 at each web.

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 I 577 92 U 273 R
 H 1161 134 U
 Z 1266 240 U
 D 208 117 U 218 R

Jt Brg Size Required
 I 3.5" 1.5"
 H 3.5" 1.5"
 Z 7.8" 1.5"
 D 3.5" 1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
 ---Top Chords---
 A -N 0.57 381 C 0.00 0.57
 N -B 0.57 178 T 0.00 0.57
 B -C 0.38 287 C 0.00 0.38
 C -X 0.22 440 C 0.00 0.22
 X -P 0.14 487 C 0.00 0.14
 P -AA 0.14 210 C 0.00 0.14
 AA-Q 0.25 308 T 0.04 0.21
 Q -D 0.23 217 T 0.02 0.21

---Bottom Chords---
 I -M 0.36 235 T 0.00 0.36
 M -H 0.36 7 C 0.00 0.36
 H -W 0.13 237 T 0.00 0.13

W -V 0.23 316 T 0.03 0.20
 V -E 0.21 190 T 0.01 0.20
 F -E 0.04 26 C 0.00 0.04
 Z -J 0.12 121 C 0.00 0.12
 J -D 0.14 121 C 0.00 0.14
 ---Chord-Webs---
 H -G 0.10 1109 C 0.10 0.00
 G -B 0.06 756 C 0.06 0.00
 F -E 0.09 45 T 0.00 0.09
 E -P 0.06 528 C 0.00 0.06
 ---Webs---
 I -A 0.07 520 C WindLd
 A -M 0.07 379 T
 M -N 0.05 153 T
 N -G 0.06 370 T
 M -G 0.09 408 C 1 Br
 B -W 0.07 415 T 1 Br
 W -C 0.09 313 C 1 Br
 C -V 0.03 236 T 1 Br
 V -X 0.12 225 C
 V -P 0.05 279 T
 E -AA 0.11 620 T
 E -Z 0.05 342 C
 Z -AA 0.18 752 C
 Z -Q 0.06 345 C
 J -Q 0.02 179 T

TL Defl -0.11" in I -M L/999
 LL Defl -0.05" in I -M L/999
 Shear // Grain in A -N 0.28

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 5.0x 5.0 Ctr Ctr 0.75
 N MT20 3.0x 7.0 Ctr Ctr 0.43
 B MT20 5.0x 7.0 1.4-3.3 0.83
 C MT20 5.0x 5.0-0.4-3.3 0.91
 X MT20 2.0x 4.0 Ctr Ctr 0.47
 P MT20 6.0x 6.0 Ctr 0.1 0.91
 AA MT20 3.0x 7.0 Ctr Ctr 0.43
 Q MT20 3.0x 7.0 Ctr Ctr 0.47
 D MT20 4.0x 6.0-0.2 0.1 0.73
 I MT20 2.0x 4.0 Ctr Ctr 0.54
 M# MT20 5.0x12.0 0.5-0.5 0.78
 H MT20 2.0x 4.0 Ctr Ctr 0.59
 G# MT20 6.0x10.0 Ctr 1.2 0.67
 W MT20 3.0x 7.0 Ctr Ctr 0.40
 V MT20 4.0x 8.0 Ctr Ctr 0.50
 E# MT20 6.0x10.0 Ctr 1.2 0.67
 F# MT20 3.0x 4.0 Ctr Ctr 0.59
 Z MT20 4.0x 8.0 Ctr Ctr 0.45
 J MT20 2.0x 4.0 Ctr Ctr 0.47

= Plate Monitor used

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
 concurrent LL on BC.

NOTE: USER MODIFIED PLATES

This design may have plates
 selected through a plate
 monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions --From-- --To--

31- 8-14 39- 1- 0

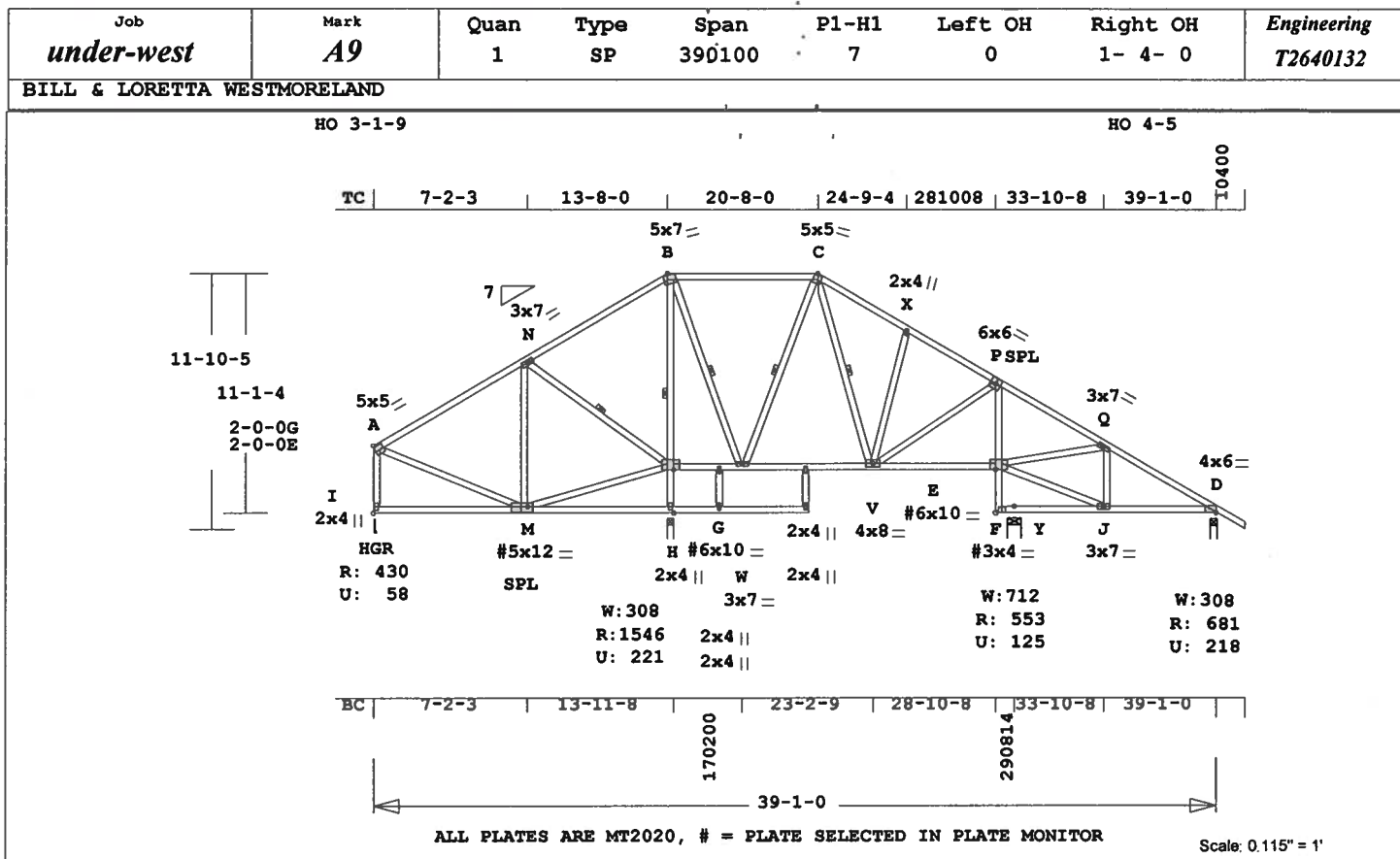
Max comp. force 1109 Lbs

Max tens. force 620 Lbs

Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

August 13,2007



Online Plus -- Version 21.0.059
 RUN DATE: 13-AUG-07

CSI -Size- ---Lumber---
 TC 0.59 2x 4 SP-#2
 BC 0.57 2x 4 SP-#2
 CW 0.13 2x 4 SP-#2
 WB 0.17 2x 4 SP-#2

Brace truss as follows:

O.C. From To
 TC Cont. 0- 0- 0 13- 8- 0
 TC 24.0" 13- 8- 0 20- 8- 0
 TC Cont. 20- 8- 0 39- 1- 0
 BC Cont. 0- 0- 0 39- 1- 0

One Continuous Lateral Brace

N -G B -W W -C C -V
 H -B

Attach CLB with (2)-10d nails
 at each web.

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt Down Uplift Horiz
 I 430 58 U 273 R
 H 1547 222 U
 Y 553 126 U
 D 682 218 U 218 R

Jt Brg Size Required
 I 3.5" 1.5"
 H 3.5" 1.6"
 Y 7.8" 1.5"
 D 3.5" 1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSt-Bnd

-----Top Chords-----
 A -N 0.58 242 C 0.00 0.58
 N -B 0.59 190 T 0.01 0.58
 B -C 0.37 203 C 0.00 0.37
 C -X 0.26 464 C 0.00 0.26
 X -P 0.19 526 C 0.00 0.19
 P -Q 0.24 706 C 0.00 0.24
 Q -D 0.24 758 C 0.00 0.24
 -----Bottom Chords-----
 I -M 0.36 235 T 0.00 0.36
 M -H 0.36 12 C 0.00 0.36

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 368.4 LBS

G -W 0.13 332 T 0.00 0.13
 W -V 0.22 275 T 0.02 0.20
 V -E 0.25 614 T 0.05 0.20
 F -Y 0.57 22 C 0.00 0.57
 Y -J 0.57 22 C 0.00 0.57
 J -D 0.26 664 T 0.11 0.15
 -----Chord-Webs-----
 H -G 0.13 1495 C 0.13 0.00
 G -B 0.10 1119 C 0.09 0.01
 F -E 0.07 413 C 0.00 0.07
 E -P 0.06 80 C 0.00 0.06
 -----Webs-----
 I -A 0.05 374 C Windld
 A -M 0.04 222 T
 M -N 0.03 220 T
 N -G 0.04 269 T
 M -G 0.11 478 C 1 Br
 B -W 0.12 659 T 1 Br
 W -C 0.17 566 C 1 Br
 C -V 0.08 441 T 1 Br
 V -X 0.11 210 C
 V -P 0.12 213 C
 E -Q 0.03 255 T
 E -J 0.13 721 T
 J -Q 0.03 280 C

TL Defl -0.11" in I -M L/999
 LL Defl -0.05" in I -M L/999
 Shear // Grain in F -Y 0.55

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 5.0x 5.0 Ctr Ctr 0.75
 N MT20 3.0x 7.0 Ctr Ctr 0.43
 B MT20 5.0x 7.0 1.4-3.3 0.83
 C MT20 5.0x 5.0-0.4-3.3 0.91
 X MT20 2.0x 4.0 Ctr Ctr 0.47
 P MT20 6.0x 6.0 Ctr 0.1 0.91
 Q MT20 3.0x 7.0 Ctr Ctr 0.43
 D MT20 4.0x 6.0-0.2 0.1 0.73
 I MT20 2.0x 4.0 Ctr Ctr 0.54
 M# MT20 5.0x12.0 0.5-0.5 0.78
 H MT20 2.0x 4.0 Ctr Ctr 0.61
 G# MT20 6.0x10.0 Ctr 1.2 0.67
 W MT20 3.0x 7.0 Ctr Ctr 0.40
 V MT20 4.0x 8.0 Ctr Ctr 0.50
 E# MT20 6.0x10.0 Ctr 1.3 0.67
 F# MT20 3.0x 4.0 Ctr Ctr 0.59
 J MT20 3.0x 7.0 Ctr Ctr 0.49

= Plate Monitor used

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
 concurrent LL on BC.

NOTE: USER MODIFIED PLATES
 This design may have plates
 selected through a plate
 monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions --From-- --To--

29- 8-14 39- 1- 0

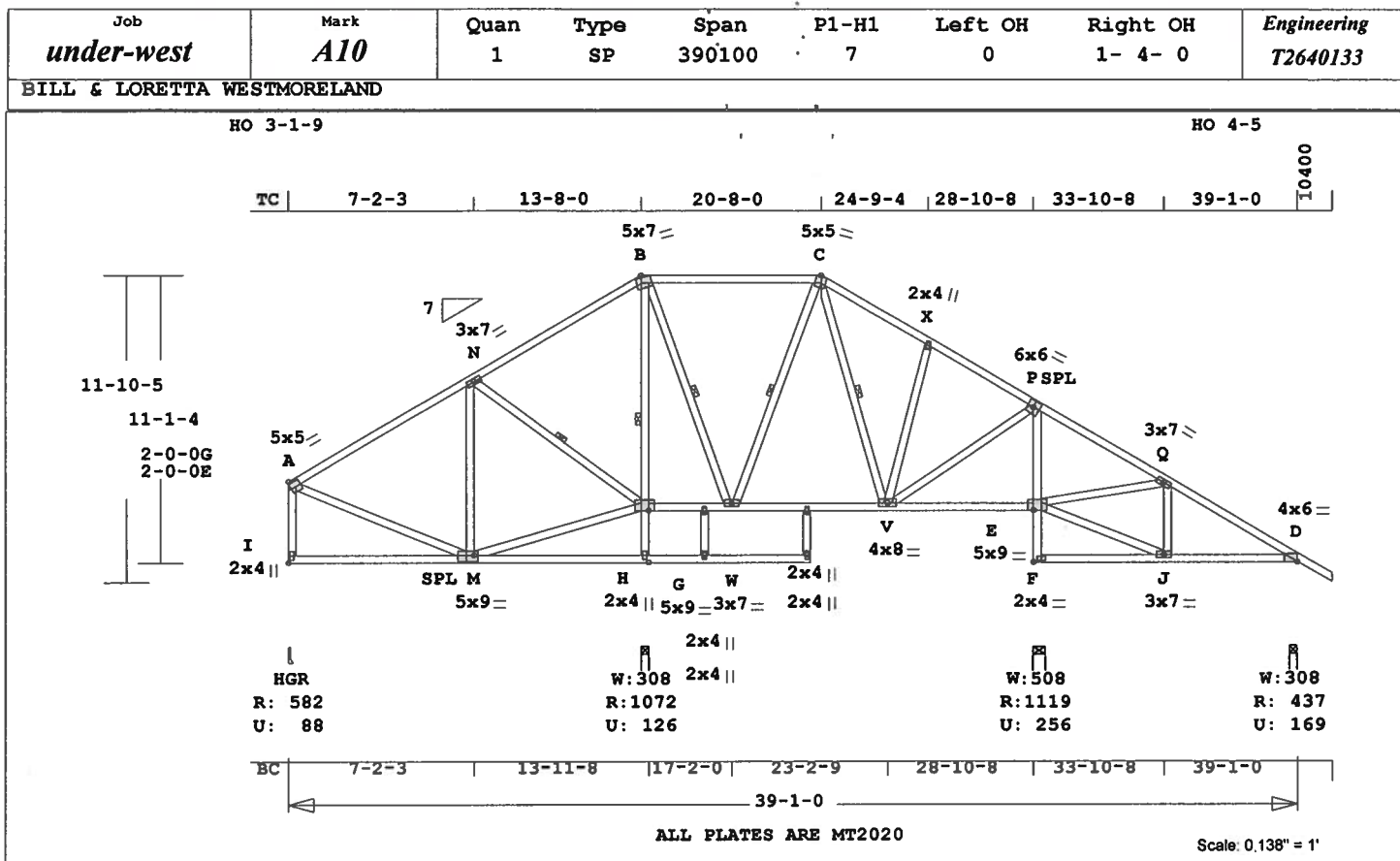
Max comp. force 1495 Lbs

Max tens. force 721 Lbs

Quality Control Factor 1.25

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 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

August 13,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 368.4 LBS
 Online Plus -- Version 21.0.059
 RUN DATE: 13-AUG-07

CSI -Size- ---Lumber---
 TC 0.56 2x 4 SP-#2
 BC 0.36 2x 4 SP-#2
 CW 0.10 2x 4 SP-#2
 WB 0.13 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 13- 8- 0
 TC 24.0" 13- 8- 0 20- 8- 0
 TC Cont. 20- 8- 0 39- 1- 0
 BC Cont. 0- 0- 0 39- 1- 0
 One Continuous Lateral Brace
 N -G B -W W -C C -V
 H -B
 Attach CLB with (2) -10d nails
 at each web.

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz
 I 582 89 U 274 R
 H 1073 126 U
 F 1119 257 U
 D 437 170 U 219 R

Jt Brg Size Required
 I 3.5" 1.5"
 H 3.5" 1.5"
 F 5.5" 1.5"
 D 3.5" 1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -N	0.56	388	C	0.00 0.56
N -B	0.56	179	C	0.00 0.56
B -C	0.37	276	C	0.00 0.37
C -X	0.20	379	C	0.00 0.20
X -P	0.20	380	C	0.00 0.20
P -Q	0.24	118	T	0.00 0.24
Q -D	0.24	378	T	0.00 0.24
-----Bottom Chords-----				
I -M	0.36	236	T	0.00 0.36
M -H	0.36	6	C	0.00 0.36

G -W	0.13	247	T	0.00	0.13
W -V	0.22	262	T	0.02	0.20
V -E	0.20	224	T	0.00	0.20
F -J	0.17	29	C	0.00	0.17
J -D	0.20	301	T	0.03	0.17
-----Chord-Webs-----					
H -G	0.09	1021	C	0.09	0.00
G -B	0.06	670	C	0.06	0.00
F -E	0.10	1081	C	0.00	0.10
E -P	0.07	815	C	0.07	0.00
-----Webs-----					
I -A	0.07	526	C	WindLd	
A -M	0.07	385	T		
M -N	0.05	150	T		
M -G	0.06	375	T		
N -G	0.09	404	C	1 Br	
B -W	0.06	331	T	1 Br	
W -C	0.06	227	C	1 Br	
C -V	0.02	153	T	1 Br	
V -X	0.11	215	C		
V -P	0.09	508	T		
E -Q	0.13	499	T		
E -J	0.10	343	T		
J -Q	0.02	135	T		
TL Defl	-0.11"	in I -M	L/999		
LL Defl	-0.05"	in I -M	L/999		
Shear //	Grain	in A -N	0.28		

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 5.0x 5.0 Ctr Ctr 0.75
 N MT20 3.0x 7.0 Ctr Ctr 0.43
 B MT20 5.0x 7.0 1.4-3.3 0.83
 C MT20 5.0x 5.0-0.4-3.3 0.91
 X MT20 2.0x 4.0 Ctr Ctr 0.47
 P MT20 6.0x 6.0 Ctr 0.1 0.91
 Q MT20 3.0x 7.0 Ctr Ctr 0.43
 D MT20 4.0x 6.0-0.2 0.1 0.73
 I MT20 2.0x 4.0 Ctr Ctr 0.54
 M MT20 5.0x 9.0 0.5-0.5 0.78
 H MT20 2.0x 4.0 Ctr Ctr 0.59
 G MT20 5.0x 9.0 Ctr 0.8 0.67
 W MT20 3.0x 7.0 Ctr Ctr 0.40
 V MT20 4.0x 8.0 Ctr Ctr 0.50
 E MT20 5.0x 9.0 Ctr 0.8 0.67
 F MT20 2.0x 4.0 Ctr Ctr 0.84
 J MT20 3.0x 7.0 Ctr Ctr 0.49

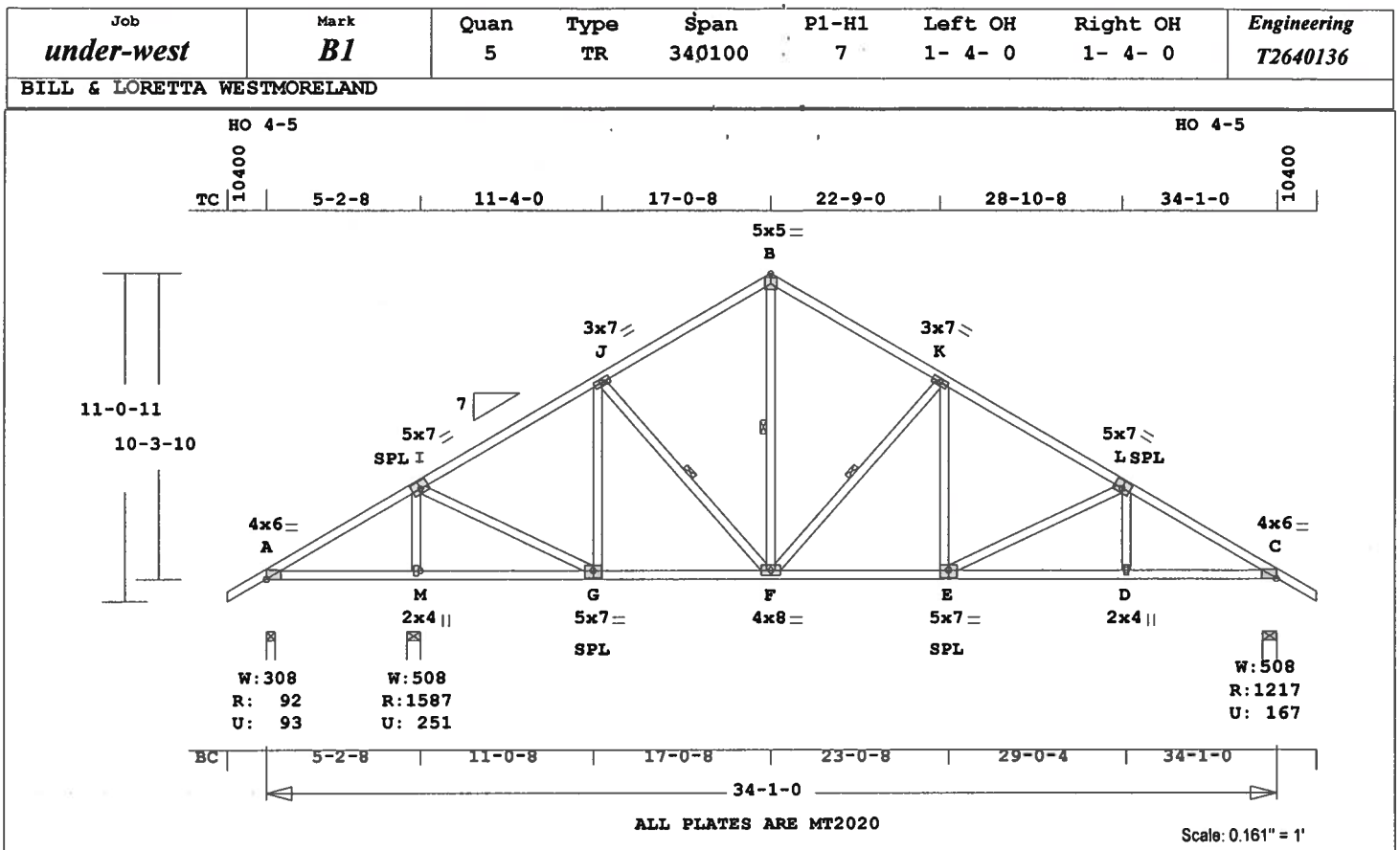
REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.
 NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 User-defined wind-exposed BC
 regions --From-- --To--
 28-10- 8 39- 1- 0
 Max comp. force 1081 Lbs
 Max tens. force 519 Lbs
 Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

August 13, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 254.4 LBS

Online Plus -- Version 21.0.059
RUN DATE: 13-AUG-07

CSI -Size- ---Lumber---
TC 0.39 2x 4 SP-#2
BC 0.37 2x 4 SP-#2
WB 0.24 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 34- 1- 0
BC Cont. 0- 0- 0 34- 1- 0
One Continuous Lateral Brace
J -F F -B F -K
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 92 94 U 209 R
M 1588 252 U
C 1218 168 U 210 R

Jt Brg Size Required
A 3.5" 1.5"
M 5.5" 1.8"
C 5.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -I 0.39 295 T 0.06 0.33
I -J 0.33 885 C 0.00 0.33
J -B 0.33 899 C 0.00 0.33
B -K 0.36 900 C 0.00 0.36
K -L 0.37 1361 C 0.01 0.36
L -C 0.25 1812 C 0.01 0.24

-----Bottom Chords-----
A -M 0.21 257 C 0.00 0.21
M -G 0.21 257 C 0.00 0.21
G -F 0.25 764 T 0.07 0.18
F -E 0.31 1180 T 0.12 0.19
E -D 0.37 1568 T 0.26 0.11
D -C 0.33 1568 T 0.26 0.07
-----Webs-----
M -I 0.20 1438 C
I -G 0.20 1117 T
G -J 0.20 379 C
J -F 0.02 124 T 1 Br
F -B 0.10 571 T 1 Br
F -K 0.16 616 C 1 Br
E -K 0.06 391 T
E -L 0.24 431 C
D -L 0.03 211 T

TL Defl -0.02" in A -M L/999
LL Defl -0.01" in A -M L/999
Shear // Grain in J -B 0.21

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.2 0.1 0.68
I MT20 5.0x 7.0-0.3 0.5 0.71
J MT20 3.0x 7.0 Ctr Ctr 0.43
B MT20 5.0x 5.0 Ctr Ctr 0.64
K MT20 3.0x 7.0 Ctr Ctr 0.43
L MT20 5.0x 7.0 0.3 0.5 0.71
C MT20 4.0x 6.0-0.2 0.1 0.68
M MT20 2.0x 4.0 Ctr Ctr 0.44
G MT20 5.0x 7.0 Ctr-0.5 0.73
F MT20 4.0x 8.0 Ctr Ctr 0.42
E MT20 5.0x 7.0 Ctr-0.5 0.73
D MT20 2.0x 4.0 Ctr Ctr 0.44

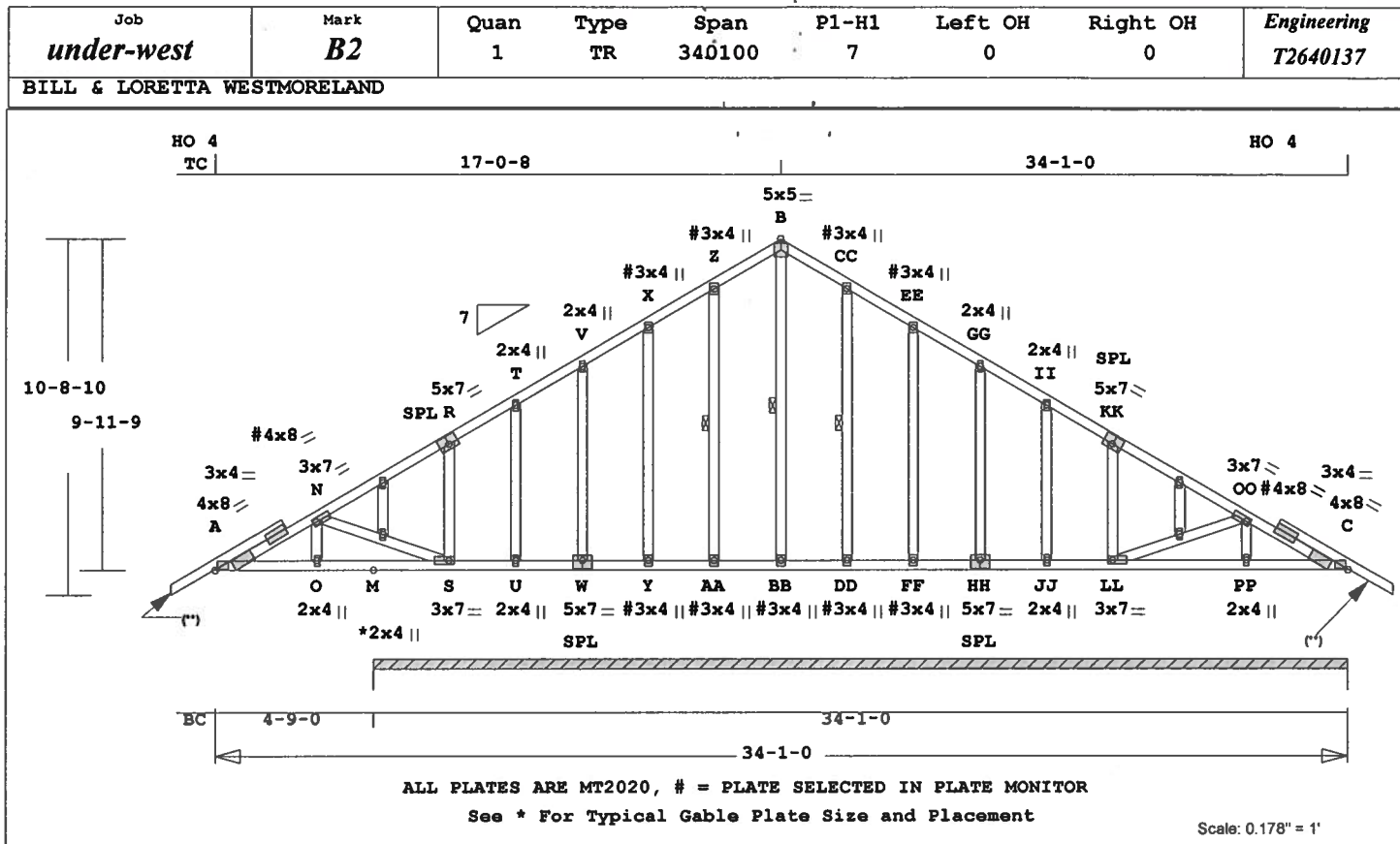
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 5- 2- 8
Max comp. force 1812 Lbs
Max tens. force 1568 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 13,2007



Online Plus -- Version 21.0.059
RUN DATE: 13-AUG-07

CSI -Size- ---Lumber---
TC 0.22 2x 4 SP-#2")
BC 0.17 2x 4 SP-#2
WB 0.06 2x 4 SP-#2
GW 0.17 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 34- 1- 0
BC Cont. 0- 0- 0 34- 1- 0

One Continuous Lateral Brace

AA-Z BB-B DD-CC

Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt Down Uplift Horiz
M 2727 461 U 202 R

Jt Brg Size Required
M 352.0" 57"-to- 409"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -N 0.18 256 T 0.04 0.14
N -R 0.22 471 T 0.08 0.14
R -T 0.21 454 T 0.07 0.14
T -V 0.11 474 T 0.08 0.03
V -X 0.11 471 T 0.08 0.03
X -Z 0.14 475 T 0.08 0.06
Z -B 0.13 460 T 0.07 0.06
B -CC 0.13 460 T 0.07 0.06
CC-EE 0.14 475 T 0.08 0.06
EE-GG 0.11 471 T 0.08 0.03
GG-II 0.11 473 T 0.08 0.03
II-KK 0.17 460 T 0.07 0.10
KK-OO 0.20 469 T 0.06 0.14
OO-C 0.17 197 C 0.03 0.14

-----Bottom Chords-----
A -O 0.08 213 C 0.00 0.08
O -M 0.17 213 C 0.00 0.17
M -S 0.17 0 T 0.00 0.17
S -U 0.02 0 T 0.00 0.02
U -W 0.02 0 T 0.00 0.02
W -Y 0.02 0 T 0.00 0.02
Y -AA 0.02 0 T 0.00 0.02
AA-BB 0.02 0 T 0.00 0.02
BB-DD 0.02 0 T 0.00 0.02
DD-FF 0.02 0 T 0.00 0.02
FF-HH 0.02 0 T 0.00 0.02
HH-JJ 0.02 0 T 0.00 0.02

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 307.4 LBS

JJ-LL 0.06 0 T 0.00 0.06
LL-PP 0.08 0 T 0.00 0.08
PP-C 0.08 15 T 0.00 0.08

-----Webs-----
N -S 0.04 269 T
LL-OO 0.06 288 C

-----Gable Webs-----
O -N 0.00 66 C
S -R 0.04 214 C
U -T 0.02 87 C
W -V 0.06 127 C
Y -X 0.07 118 C
AA-Z 0.03 147 C 1 Br
BB-B 0.17 557 C 1 Br
DD-CC 0.03 146 C 1 Br
FF-EE 0.07 118 C
HH-GG 0.06 125 C
JJ-II 0.02 92 C
LL-KK 0.03 198 C
PP-OO 0.01 101 T

TL Defl -0.01" in LL-PP L/999
LL Defl 0.00" in LL-PP L/999
LL Cant -0.04" in A -O L/999
Shear // Grain in A -N 0.15

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JBI
A MT20 4.0x 8.0 0.9 0.2 0.63
N MT20 3.0x 7.0 Ctr Ctr 0.42
R MT20 5.0x 7.0-0.3 0.5 0.71
T MT20 2.0x 4.0 Ctr Ctr 0.44
V MT20 2.0x 4.0 Ctr Ctr 0.44
X# MT20 3.0x 4.0 Ctr Ctr 0.29
Z# MT20 3.0x 4.0 Ctr Ctr 0.29
B MT20 5.0x 5.0 Ctr Ctr 0.64
CC#MT20 3.0x 4.0 Ctr Ctr 0.29
EE#MT20 3.0x 4.0 Ctr Ctr 0.29
GG MT20 2.0x 4.0 Ctr Ctr 0.44
II MT20 2.0x 4.0 Ctr Ctr 0.44
KK MT20 5.0x 7.0 0.3 0.5 0.71
OO MT20 3.0x 7.0 Ctr Ctr 0.42
C MT20 4.0x 8.0-0.9 0.2 0.63
S MT20 2.0x 4.0 Ctr Ctr 0.44
U MT20 2.0x 4.0 Ctr Ctr 0.44
W MT20 5.0x 7.0 Ctr-0.5 0.73
Y# MT20 3.0x 4.0 Ctr Ctr 0.29
AA#MT20 3.0x 4.0 Ctr Ctr 0.29
BB#MT20 3.0x 4.0 Ctr Ctr 0.29
DD#MT20 3.0x 4.0 Ctr Ctr 0.29
FF#MT20 3.0x 4.0 Ctr Ctr 0.29
HH MT20 5.0x 7.0 Ctr-0.5 0.73
JJ MT20 2.0x 4.0 Ctr Ctr 0.44
LL MT20 3.0x 7.0 Ctr Ctr 0.49
PP MT20 2.0x 4.0 Ctr Ctr 0.44

= Plate Monitor used
2 Gable studs to be attached
with 2.0x4.0 plates each end.

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

WARNING Do Not Cut overframe
member between outside of
truss and first tie-plate
to inside of heel plate.
Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

NOTE: USER MODIFIED PLATES

This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

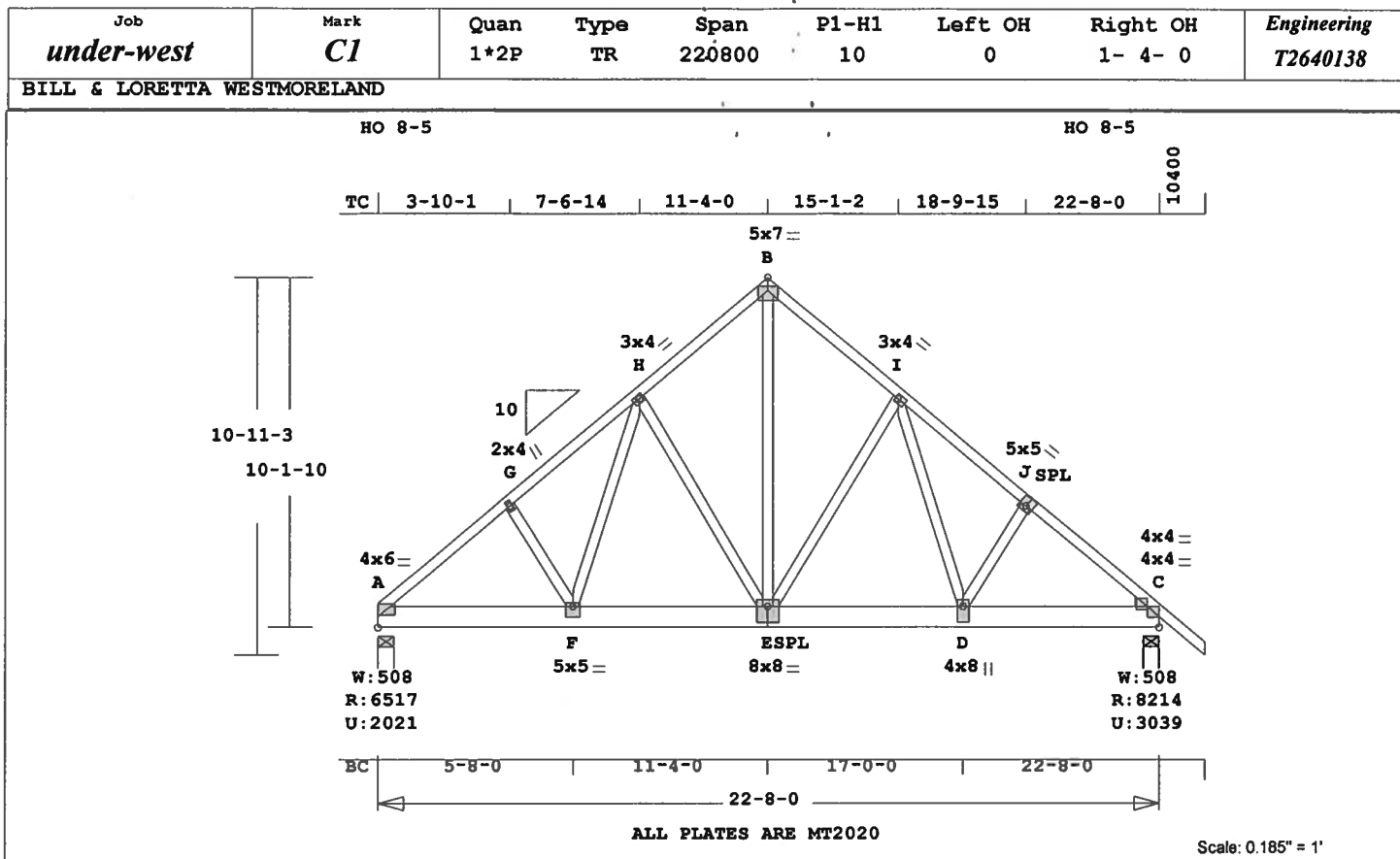
Max comp. force 557 Lbs

Max tens. force 475 Lbs

Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 13, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 227.0 LBS

Online Plus -- Version 21.0.059
 RUN DATE: 13-AUG-07

 * 2-Ply Truss *

CSI -Size- ----Lumber-----
 TC 0.45 2x 4 SP-#2
 BC 0.76 2x 8 SP-#1
 WB 0.70 2x 4 SP-#2
 PB --- 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 22- 8- 0
 BC Cont. 0- 0- 0 22- 8- 0

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.00 Fc=1.00 Ft=1.00
 BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 6518 2022 U 220 R
 C 8214 3039 U 220 R

Jt Brg Size Required
 A 5.5" 3.8"
 C 5.5" 4.8"

LC# 1 Standard Loading
 Dur Fctrs - Lbr 1.25 Plt 1.25
 plf - Dead Live* From To
 TC V 20 40 0.0' 22.7'
 BC V 20 0 0.0' 22.7'
 BC V 186 474 5.7' 22.7'
 BC V 144 144 0.0' 5.7'

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
 -----Top Chords-----
 A -G 0.44 8144 C 0.32 0.12
 G -H 0.40 8019 C 0.33 0.07
 H -B 0.35 6138 C 0.27 0.08
 B -I 0.35 6137 C 0.27 0.08

I -J 0.45 8923 C 0.39 0.06
 J -C 0.44 9042 C 0.38 0.06

-----Bottom Chords-----
 A -F 0.56 6215 T 0.27 0.29
 F -E 0.74 5499 T 0.24 0.50
 E -D 0.76 5847 T 0.26 0.50
 D -C 0.63 6923 T 0.30 0.33

-----Webs-----
 G -F 0.00 140 C
 F -H 0.22 2458 T
 H -E 0.14 1536 C
 E -B 0.70 7587 T
 E -I 0.21 2233 C
 I -D 0.33 3695 T
 D -J 0.01 170 C

TL Defl -0.23" in F -E L/999
 LL Defl -0.16" in F -E L/999
 Shear // Grain in F -E 0.69

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 4.0x 6.0 0.9 0.7 0.98
 G MT20 2.0x 4.0 Ctr Ctr 0.37
 H MT20 3.0x 4.0-0.4-0.3 0.77
 B MT20 5.0x 7.0 Ctr-0.9 0.87
 I MT20 3.0x 4.0 0.8-0.6 0.91
 J MT20 5.0x 5.0 0.4 0.5 0.58
 C MT20 4.0x 4.0-1.0 0.7 0.82
 C MT20 4.0x 4.0-2.9 1.7 0.96
 F MT20 5.0x 5.0 Ctr-1.1 0.85
 E MT20 8.0x 8.0 Ctr-1.5 0.91
 D MT20 4.0x 8.0 Ctr-1.6 0.64

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 2 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-

SDS3 screws -OR- 10d nails
 as each layer is applied.)

-----Spacing (In)-----
 Rows Nails Screws Bolts
 TC 1 12 24 0
 BC 2 11 21 0
 WB 1 8 8

Web Connection Exception --
 Use 4" spacing for screws or
 nails on the following webs
 E -B

OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.

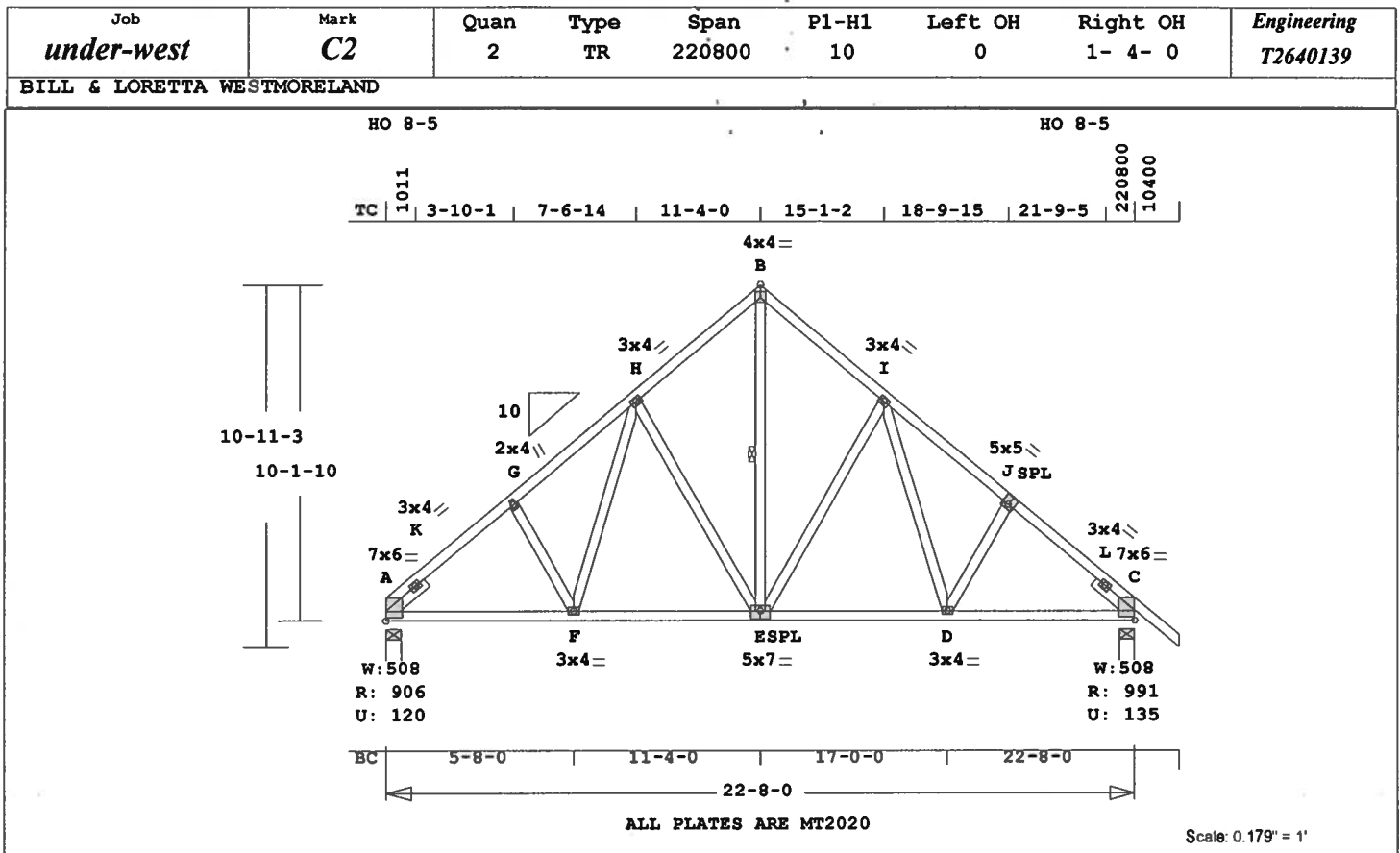
Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.

Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed

TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 9042 Lbs
 Max tens. force 7587 Lbs
 Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

August 13,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 193.0 LBS
 Online Plus -- Version 21.0.059
 RUN DATE: 13-AUG-07

CSI	-Size-	-----Lumber-----
TC	0.23	2x 4 SP-#2
BC	0.35	2x 4 SP-#2
WB	0.24	2x 4 SP-#2
SL	0.05	2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 22- 8- 0
 BC Cont. 0- 0- 0 22- 8- 0
 One Continuous Lateral Brace
 E -B
 Attach CLB with (2)-10d nails
 at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15 Fc=1.10 Ft=1.10		
BC Fb=1.10 Fc=1.10 Ft=1.10		

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 907 121 U 220 R
 C 992 136 U 220 R

Jt	Brg Size	Required
A	5.5"	1.5"
C	5.5"	1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -K	0.23	608 C	0.00	0.23
K -G	0.23	1037 C	0.00	0.23
G -H	0.16	930 C	0.05	0.11
H -B	0.15	688 C	0.00	0.15
B -I	0.15	688 C	0.00	0.15
I -J	0.16	930 C	0.05	0.11

J -L	0.23	1037 C	0.00	0.23
L -C	0.23	608 C	0.00	0.23
-----Bottom Chords-----				
A -F	0.35	777 T	0.13	0.22
F -E	0.24	672 T	0.06	0.18
E -D	0.24	672 T	0.06	0.18
D -C	0.35	777 T	0.13	0.22
-----Webs-----				
G -F	0.03	169 C		
F -H	0.05	232 T		
H -E	0.24	338 C		
E -B	0.12	661 T	1 Br	
B -I	0.24	338 C		
I -D	0.05	232 T		
D -J	0.03	169 C		
-----Sliders-----				
A -K	0.05	544 C		
L -C	0.05	544 C		

TL Defl -0.08" in E -D L/999
 LL Defl -0.03" in E -D L/999
 Shear // Grain in K -K 0.17

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 7.0x 6.0 3.0 1.1 0.80
 K MT20 3.0x 4.0 Ctr Ctr 0.50
 G MT20 2.0x 4.0 Ctr Ctr 0.38
 H MT20 3.0x 4.0 Ctr Ctr 0.65
 B MT20 4.0x 4.0 Ctr Ctr 0.64
 I MT20 3.0x 4.0 Ctr Ctr 0.65
 J MT20 5.0x 5.0 0.4 0.5 0.58
 L MT20 3.0x 4.0 Ctr Ctr 0.50
 C MT20 7.0x 6.0-3.0 1.1 0.80
 F MT20 3.0x 4.0 Ctr Ctr 0.50
 E MT20 5.0x 7.0 Ctr-0.5 0.60
 D MT20 3.0x 4.0 Ctr Ctr 0.50

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 1037 Lbs
 Max tens. force 777 Lbs
 Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

August 13, 2007

BILL & LORETTA WESTMORELAND

The diagram illustrates a roof truss system with the following components and dimensions:

- Dimensions:**
 - HO 3-12 (top left)
 - TC (top left)
 - 11-4-0 (top center)
 - 22-8-0 (top right)
 - HO 3-12 (top right)
 - 10-6-10 (middle left)
 - 9-9-1 (middle left)
 - 10 (multiple slope indicators)
 - 22-8-0 (bottom center)
 - 22-8-0 (bottom center)
- Members:**
 - 4x4 (top center)
 - 54x6 (top center)
 - 3x4 (multiple locations along the roof slope)
 - 5x5 (bottom center)
- Joints:**
 - A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
- Labels:**
 - AA, CC, EE, FF, GG, HH, II, JJ, KK, LL, MM, NN, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, ZZ
- Other:**
 - SPL (bottom center)
 - BC (bottom left)

ALL PLATES ARE MT2020
See Joint O For Typical Gable Plate Size and Placement

Scale: 0.217" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 241.2 LBS

Online Plus -- Version 21.0.059
RUN DATE: 13-AUG-07

	CSI	-Size-	----Lumber----
TC	0.05	2x 4	SP-#2 (")
BC	0.02	2x 4	SP-#2
GW	0.06	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	22- 8- 0
BC	Cont.	0- 0- 0	22- 8- 0

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0		Spacing 24.0"
Lumber	Duration	Factor	1.25
Plate	Duration	Factor	1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

Total Load Reactions (Lbs)			
Jt	Down	Uplift	Horiz-
A	1813	242 U	218 R

Jt	Brg Size	Required
A	272.0"	0"-to- 272"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A-O	0.04	226 C	0.02 0.02
O-Q	0.04	142 C	0.01 0.03
Q-S	0.03	92 C	0.00 0.03
S-U	0.03	70 C	0.00 0.03
U-M	0.04	146 T	0.01 0.03
M-D	0.05	175 T	0.02 0.03
D-B	0.03	76 C	0.00 0.03
B-F	0.03	76 C	0.00 0.03
F-W	0.05	175 T	0.02 0.03
W-Y	0.04	146 T	0.01 0.03
Y-AA	0.03	70 C	0.00 0.03
AA-CC	0.03	92 C	0.00 0.03
CC-EE	0.04	142 C	0.01 0.03
EE-CC	0.04	226 C	0.02 0.02

	0.0%	2.0%	0.0%	0.0%
-----Bottom Chords-----				
A - P	0.02	7 T	0.00	0.02
P - R	0.02	0 T	0.00	0.02
R - T	0.02	0 T	0.00	0.02
T - V	0.02	0 T	0.00	0.02
V - N	0.02	0 T	0.00	0.02
N - E	0.01	0 T	0.00	0.01
E - L	0.01	0 T	0.00	0.01
L - G	0.01	0 T	0.00	0.01
G - X	0.01	0 T	0.00	0.01
X - Z	0.02	0 T	0.00	0.02
Z - BB	0.02	0 T	0.00	0.02

BB-DD	0.02	0 T	0.00	0.02
DD-FF	0.02	0 T	0.00	0.02
FF-C	0.02	7 T	0.00	0.02

		Gable	Wesb-
P -O	0.01	127	C
R -Q	0.01	146	C
T -S	0.03	141	C
V -U	0.06	147	C
N -M	0.05	77	C
E -I	0.00	77	C
I -D	0.01	77	C
J -B	0.00	35	C
L -K	0.00	0	T
G -H	0.00	77	C
H -F	0.01	77	C
X -W	0.05	77	C
Z -Y	0.06	147	C
BB-AA	0.03	141	C
DD-CC	0.01	146	C
FF-EE	0.01	127	C

```

TL Defl      0.00" in P -R  L/999
LL Defl      0.00" in P -R  L/999
Shear // Grain in O -Q      0.06

```

Plates for each ply each face.						
Plate - MT20		20	Ga,	Gross	Area	
Plate - MT2H		20	Ga,	Gross	Area	
Jt	Type	Pit	Size	X	Y	JSI
A	MT20	3.0x	4.0	Ctr	Ctr	0.74
O	MT20	2.0x	4.0	Ctr	Ctr	0.00
Q	MT20	2.0x	4.0	Ctr	Ctr	0.00
S	MT20	2.0x	4.0	Ctr	Ctr	0.00
U	MT20	2.0x	4.0	Ctr	Ctr	0.00
M	MT20	2.0x	4.0	Ctr	Ctr	0.00
D	MT20	2.0x	4.0	Ctr	Ctr	0.00
B	MT20	4.0x	4.0	Ctr	Ctr	0.64
F	MT20	2.0x	4.0	Ctr	Ctr	0.00
W	MT20	2.0x	4.0	Ctr	Ctr	0.00
Y	MT20	2.0x	4.0	Ctr	Ctr	0.00
AA	MT20	2.0x	4.0	Ctr	Ctr	0.00
CC	MT20	2.0x	4.0	Ctr	Ctr	0.00
EE	MT20	2.0x	4.0	Ctr	Ctr	0.00
C	MT20	3.0x	4.0	Ctr	Ctr	0.74
P	MT20	2.0x	4.0	Ctr	Ctr	0.00
R	MT20	2.0x	4.0	Ctr	Ctr	0.00
T	MT20	2.0x	4.0	Ctr	Ctr	0.00
V	MT20	2.0x	4.0	Ctr	Ctr	0.00
N	MT20	2.0x	4.0	Ctr	Ctr	0.00
E	MT20	2.0x	4.0	Ctr	Ctr	0.00
L	MT20	5.0x	5.0	Ctr	-0.5	0.60
G	MT20	2.0x	4.0	Ctr	Ctr	0.00
X	MT20	2.0x	4.0	Ctr	Ctr	0.00
Z	MT20	2.0x	4.0	Ctr	Ctr	0.00
BB	MT20	2.0x	4.0	Ctr	Ctr	0.00
DD	MT20	2.0x	4.0	Ctr	Ctr	0.00
FF	MT20	2.0x	4.0	Ctr	Ctr	0.00
J	MT20	2.0x	4.0	Ctr	Ctr	0.00
K	MT20	2.0x	4.0	Ctr	Ctr	0.00
I	MT20	2.0x	4.0	Ctr	Ctr	0.00
H	MT20	2.0x	4.0	Ctr	Ctr	0.00

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Tampa, FL 33610

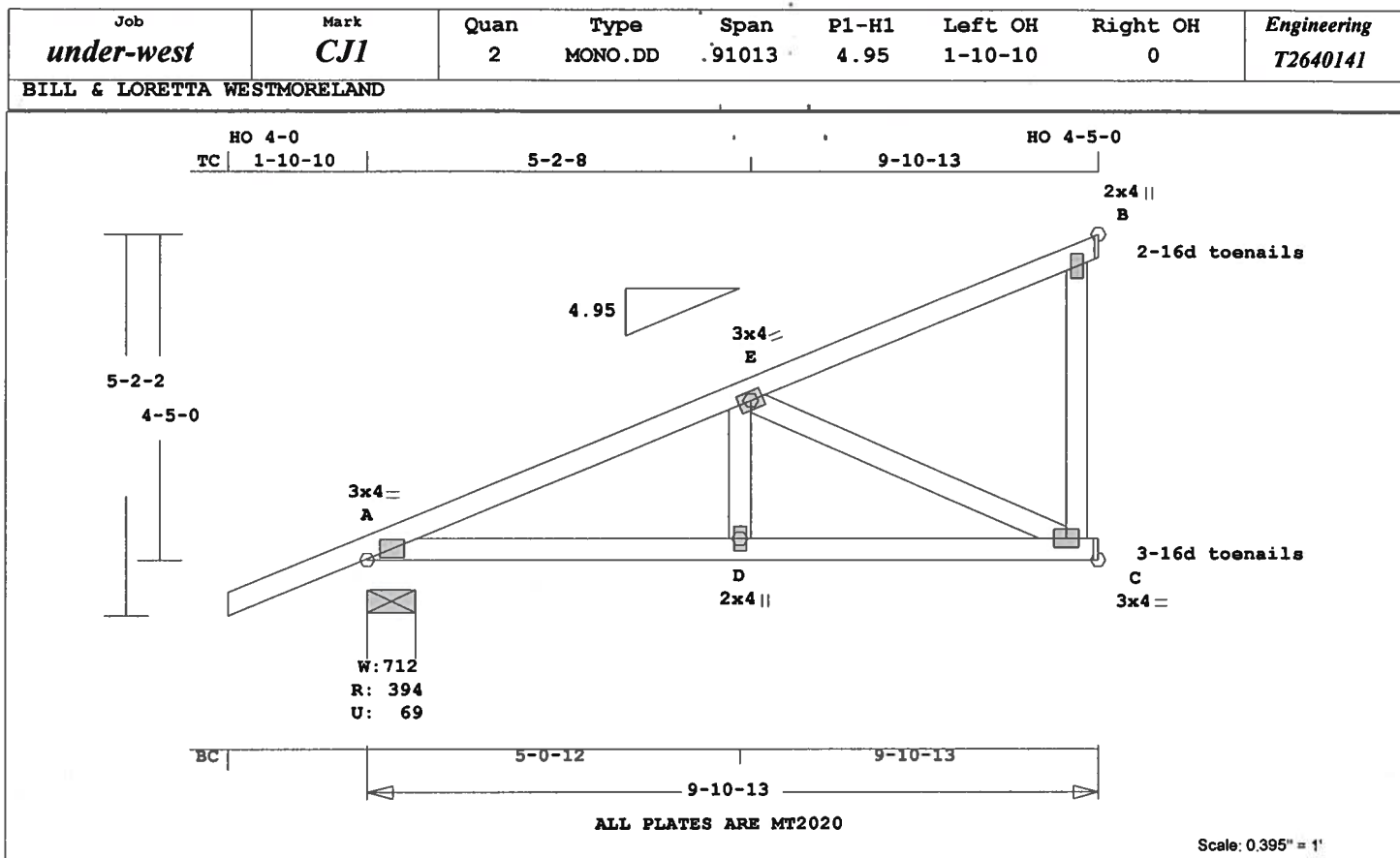
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 226 Lbs
Max tens. force 180 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert. #5555

August 13, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 62.4 LBS

Online Plus -- Version 21.0.059
RUN DATE: 13-AUG-07

CSI	-Size-	-----Lumber----
TC	0.41 2x 4	SP-#2
BC	0.26 2x 4	SP-#2
WB	0.18 2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9-10-13
BC Cont.	0- 0- 0	9-10-13

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	395	69 U	105 R
C	348	12 U	
B	242	85 U	148 R

Jt	Brg Size	Required
A	7.8"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

LC#	1	Girder Loading
Dur Fctrs - Lbr	1.25	Plt 1.25
plf - Dead	Live*	From To
TC V	20	40 0.0' 9.9'
BC V	20	0 0.0' 9.9'
TC V	-20	-40 0.0' 9.9'
	22	45 9.9'
BC V	-20	0 0.0' 9.9'
	22	0 9.9'

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -E	0.32	557 C	0.02	0.30
E -B	0.41	92 T	0.00	0.41
-----Bottom Chords-----				
A -D	0.22	533 T	0.06	0.16
D -C	0.26	533 T	0.06	0.20
-----Webs-----				
D -E	0.03	235 T		
E -C	0.18	588 C		
C -B	0.07	0 T	WindLd	

TL Defl	-0.05"	in D -C	L/999
LL Defl	-0.02" <td>in D -C <td>L/999</td> </td>	in D -C <td>L/999</td>	L/999
Shear // Grain		in E -B	0.28

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 4.0 Ctr Ctr 0.62
E MT20 3.0x 4.0 Ctr Ctr 0.44
B MT20 2.0x 4.0 Ctr Ctr 0.38
D MT20 2.0x 4.0 Ctr Ctr 0.38
C MT20 3.0x 4.0 Ctr Ctr 0.54

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Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:

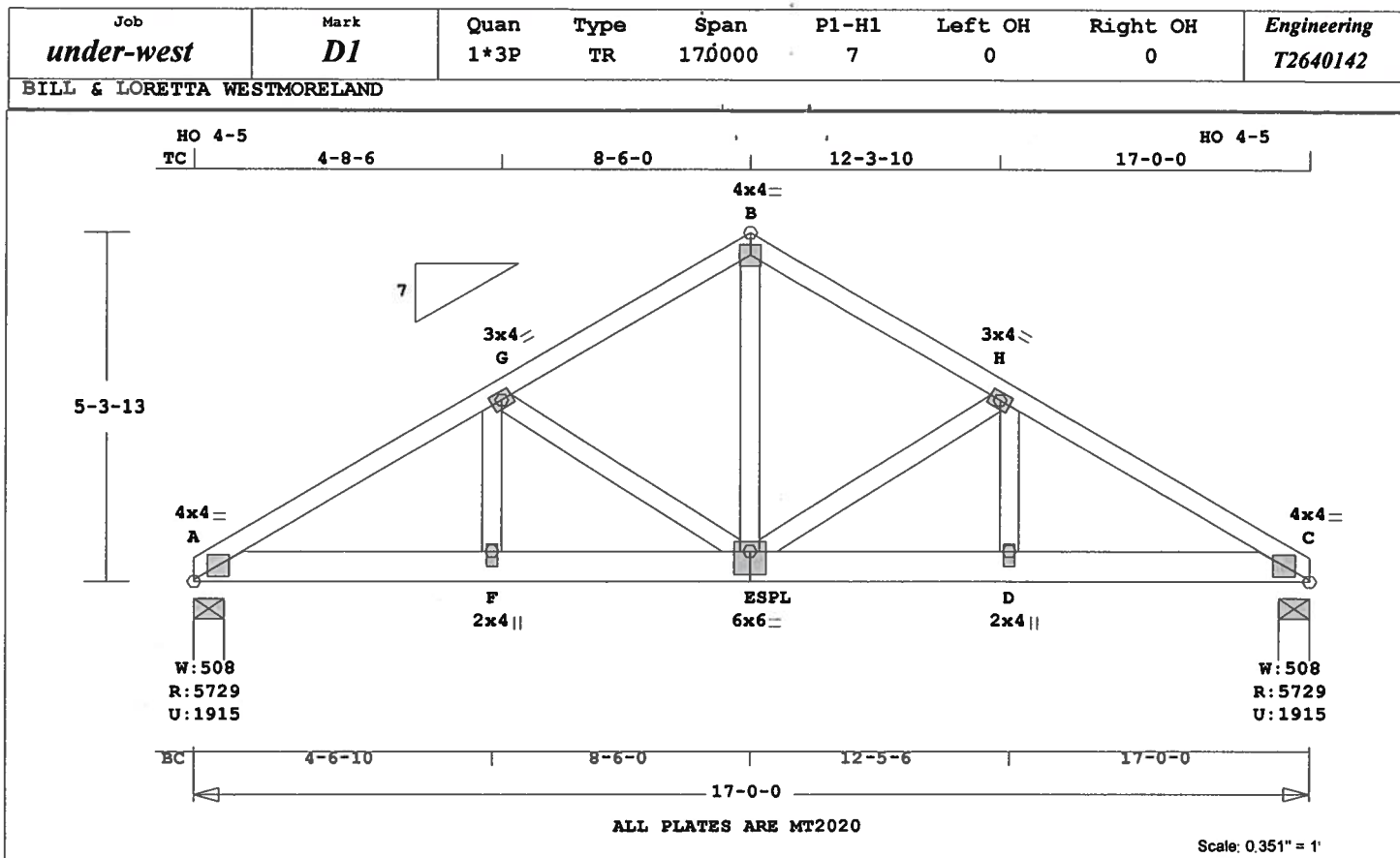
Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004

Girder King Jack
Loading TC and BC
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for
loads framing into girder
truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 588 Lbs
Max tens. force 533 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 13,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 119.6 LBS

Online Plus -- Version 21.0.059

RUN DATE: 13-AUG-07

* 3-Ply Truss *

	CSI	-Size-	-----Lumber-----
TC	0.25	2x 4	SP-#2
BC	0.58	2x 6	SP-#2
WB	0.33	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 0- 0
BC	Cont.	0- 0- 0	17- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber	Duration Factor 1.25	
Plate	Duration Factor 1.25	
TC	Fb=1.15 Fc=1.10 Ft=1.10	
BC	Fb=1.10 Fc=1.10 Ft=1.10	

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	5729	1915 U	99 R
C	5729	1915 U	99 R

Jt	Brg Size	Required
A	5.5"	2.3"
C	5.5"	2.3"

LC#	1	Standard Loading
Dur Fctrs	- Lbr 1.25	Plt 1.25
plf	- Dead	Live* From To
TC V	20	40 0.0' 17.0'
BC V	20	0 0.0' 17.0'
BC V	190	404 0.0' 17.0'

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A	-G	0.25	8353 C	0.20 0.05

G	-B	0.17	5732 C	0.14	0.03
B	-H	0.17	5732 C	0.14	0.03
H	-C	0.25	8353 C	0.20	0.05

-----Bottom Chords-----					
A	-F	0.58	7236 T	0.29	0.29
F	-E	0.52	7236 T	0.29	0.23
E	-D	0.52	7236 T	0.29	0.23
D	-C	0.58	7236 T	0.29	0.29

-----Webs-----					
F	-G	0.15	2652 T		
G	-E	0.09	2731 C		
E	-B	0.33	5505 T		
E	-H	0.09	2731 C		
D	-H	0.15	2652 T		

TL Defl -0.11" in F -E L/999
LL Defl -0.07" in F -E L/999
Shear // Grain in A -F 0.38

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 4.0 Ctr Ctr 0.95
G MT20 3.0x 4.0 Ctr Ctr 0.70
B MT20 4.0x 4.0 Ctr Ctr 0.74
H MT20 3.0x 4.0 Ctr Ctr 0.70
C MT20 4.0x 4.0 Ctr Ctr 0.95
F MT20 2.0x 4.0 Ctr-0.8 0.56
E MT20 6.0x 6.0 Ctr-1.2 0.66
D MT20 2.0x 4.0 Ctr-0.8 0.56

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

FBC2004
3 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered

pattern. (1/2" bolts -OR-
SDS4.5 screws -OR- 16d nails
as each layer is applied.)

-----Spacing (In)-----				
Rows	Nails	Screws	Bolts	
TC	1	12	24	0
BC	2	11	17.5	0
WB	1	8	8	

No bolts in 2x4s or smaller.
Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as
Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph
Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

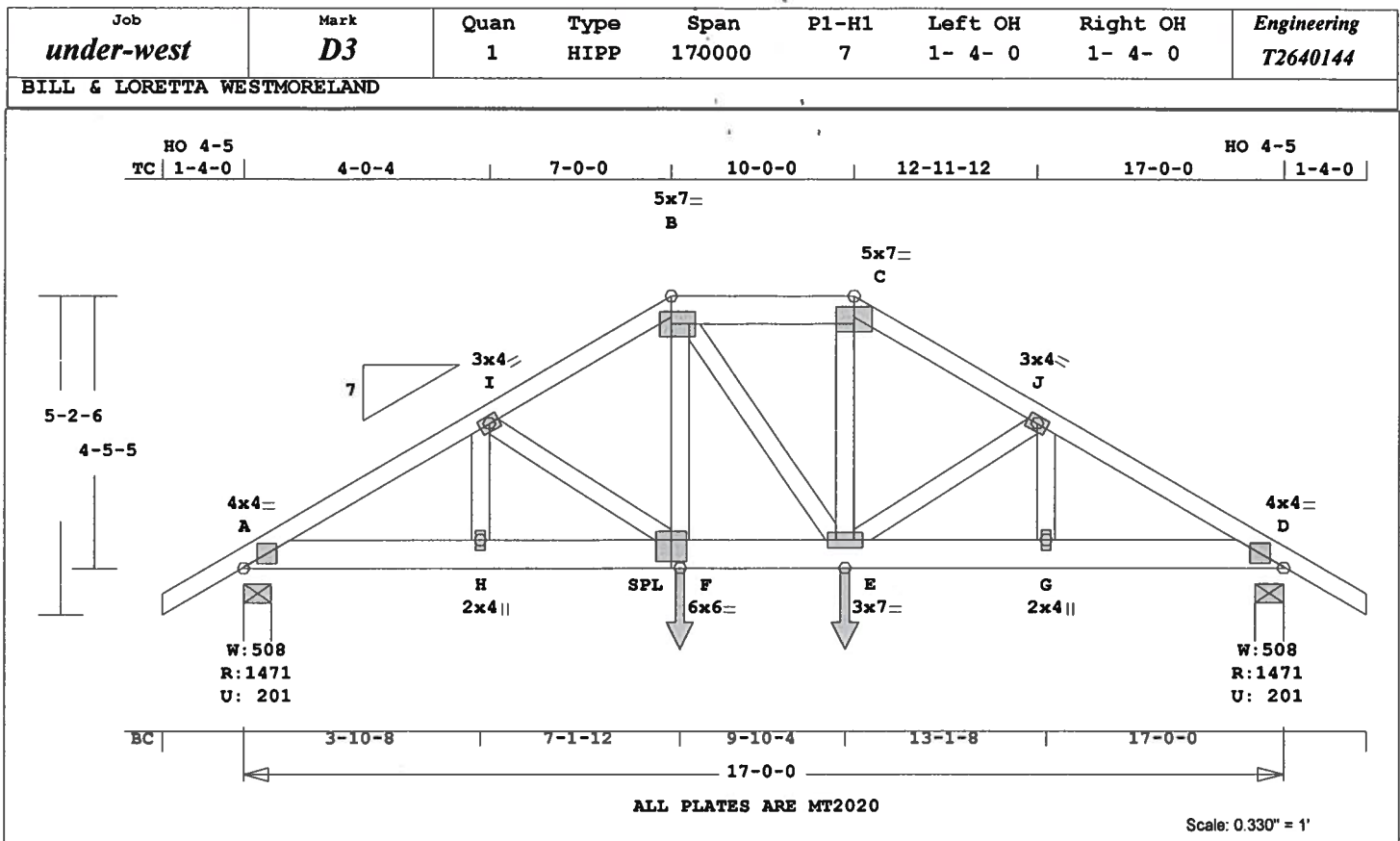
Max comp. force 8353 Lbs

Max tens. force 7236 Lbs

Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 13,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 135.7 LBS

Online Plus -- Version 21.0.059
RUN DATE: 13-AUG-07

CSI	-Size-	----	Lumber----
TC	0.37	2x 4	SP-#2
--	0.25	2x 6	SP-#2
B -C			
BC	0.36	2x 6	SP-#2
WB	0.13	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 0- 0
BC	Cont.	0- 0- 0	17- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	1472	202 U	81 R
D	1472	202 U	81 R

Jt	Brg	Size	Required
A		5.5"	1.7"
D		5.5"	1.7"

LC# 1 Girder Loading

Dur	Fctrs	- Lbr	1.25	Plt	1.25
plf	- Dead	Live*	From	To	
TC	V	20	40	0.0'	17.0'
BC	V	20	0	0.0'	17.0'
TC	V	25	50	7.0'	10.0'
BC	V	25	0	7.1'	9.9'
BC	V	280	280	7.1'	CL-LB
BC	V	280	280	9.9'	CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----

A -I	0.19	2354	C	0.05	0.14
I -B	0.37	2151	C	0.03	0.34
B -C	0.25	1909	C	0.01	0.24
C -J	0.33	2184	C	0.03	0.30
J -D	0.18	2346	C	0.05	0.13
-----Bottom Chords-----					
A -H	0.34	2024	T	0.27	0.07
H -F	0.36	2024	T	0.27	0.09
F -E	0.32	1867	T	0.24	0.08
E -G	0.34	2020	T	0.27	0.07
G -D	0.35	2020	T	0.27	0.08
-----Webs-----					
H -I	0.02	134	T		
I -F	0.03	174	C		
F -B	0.12	695	T		
B -E	0.01	72	T		
E -C	0.13	746	T		
E -J	0.02	153	C		
G -J	0.01	94	T		

TL Defl -0.11" in H -F L/999
LL Defl -0.05" in H -F L/999
Shear // Grain in I -B 0.16

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 4.0 Ctr Ctr 0.80
I MT20 3.0x 4.0 Ctr Ctr 0.56
B MT20 5.0x 7.0-0.5 Ctr 0.78
C MT20 5.0x 7.0 Ctr-0.5 0.52
J MT20 3.0x 4.0 Ctr Ctr 0.56
D MT20 4.0x 4.0 Ctr Ctr 0.80
H MT20 2.0x 4.0 Ctr Ctr 0.38
F MT20 6.0x 6.0 Ctr-1.2 0.43
E MT20 3.0x 7.0 Ctr Ctr 0.43
G MT20 2.0x 4.0 Ctr Ctr 0.38

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

Girder Step Down Hip

Framing King Jacks

Jack Open Faced

Setback 7- 0- 0

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

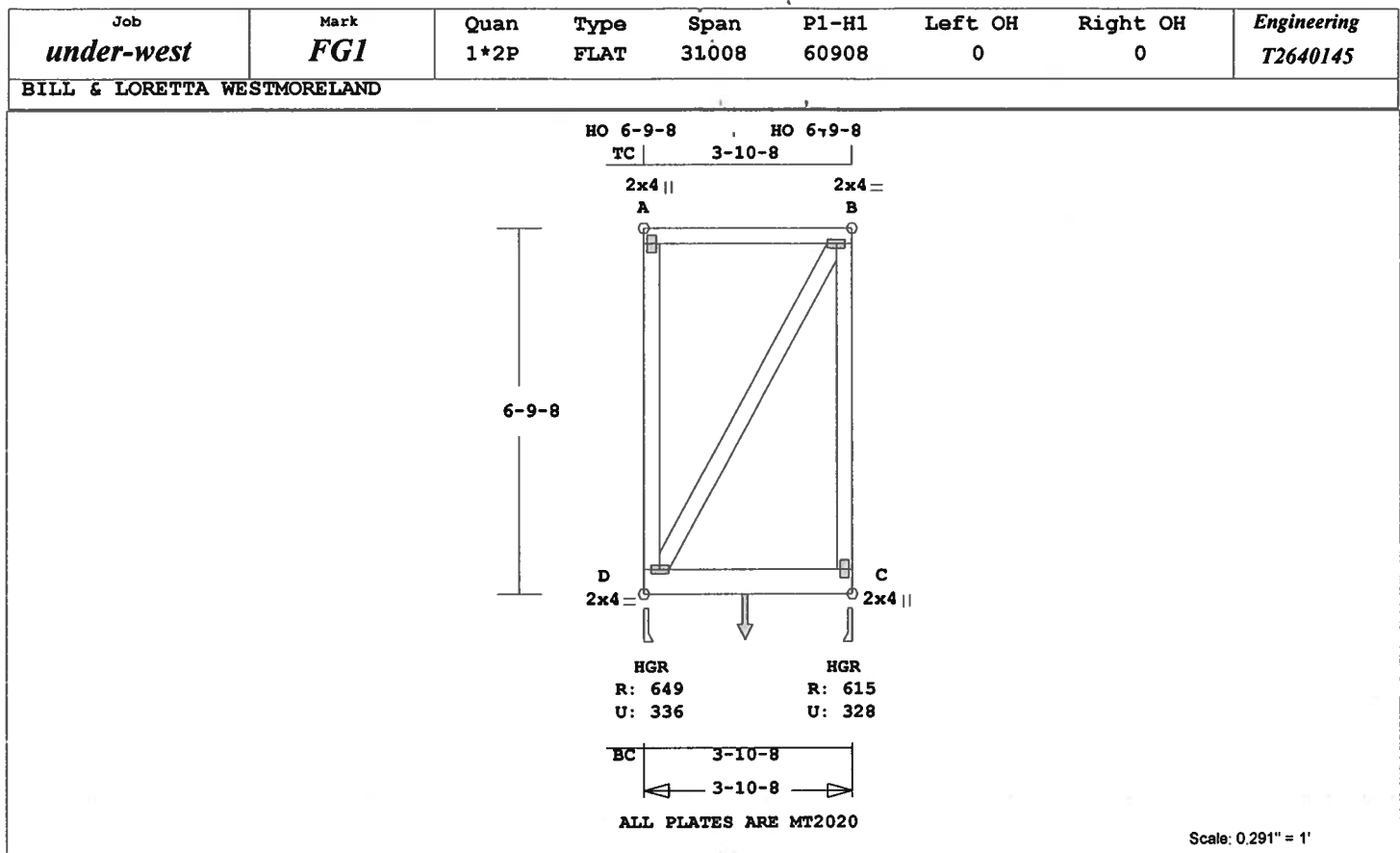
Max comp. force 2354 Lbs

Max tens. force 2024 Lbs

Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 13, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 54.1 LBS

Online Plus -- Version 21.0.059

RUN DATE: 13-AUG-07

* 2-Ply Truss *

CSI -Size-	-----Lumber-----
TC 0.13 2x 4	SP-#2
BC 0.42 2x 6	SP-#2
WB 0.14 2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	3-10- 8	
BC Cont.	0- 0- 0	3-10- 8	

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
D	649	337 U	210 R
C	616	329 U	210 R

Jt	Brg Size	Required
D	3.5"	1.5"
C	3.5"	1.5"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 20 40 0.0' 3.9'
BC V 20 0 0.0' 3.9'
BC V 478 478 1.9' CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -B	0.13	178 T	0.01	0.12	
-----Bottom Chords-----					
D -C	0.42	186 T	0.00	0.42	
-----Webs-----					
D -A	0.14	191 T	WindLd		
D -B	0.01	210 T			
C -B	0.10	239 T	WindLd		

TL Defl -0.01" in D -C L/999
LL Defl 0.00" in D -C L/999
Shear // Grain in D -C 0.22

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.38
B MT20 2.0x 4.0 Ctr Ctr 0.75
D MT20 2.0x 4.0 Ctr Ctr 0.86
C MT20 2.0x 4.0 Ctr Ctr 0.38

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004

2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
pattern. (1/2" bolts -OR-
SDS3 screws -OR- 10d nails
as each layer is applied.)

Rows	Nails	Screws	Bolts
TC 1	12	24	0

BC	2	12	24	0
WB	1	8	8	

Plus clusters of nails where
shown.

Design checked for 10 psf non-
concurrent LL on BC.

Provide drainage to prevent
water ponding.

This truss must be installed
as shown. It cannot be
installed upside-down.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as

Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

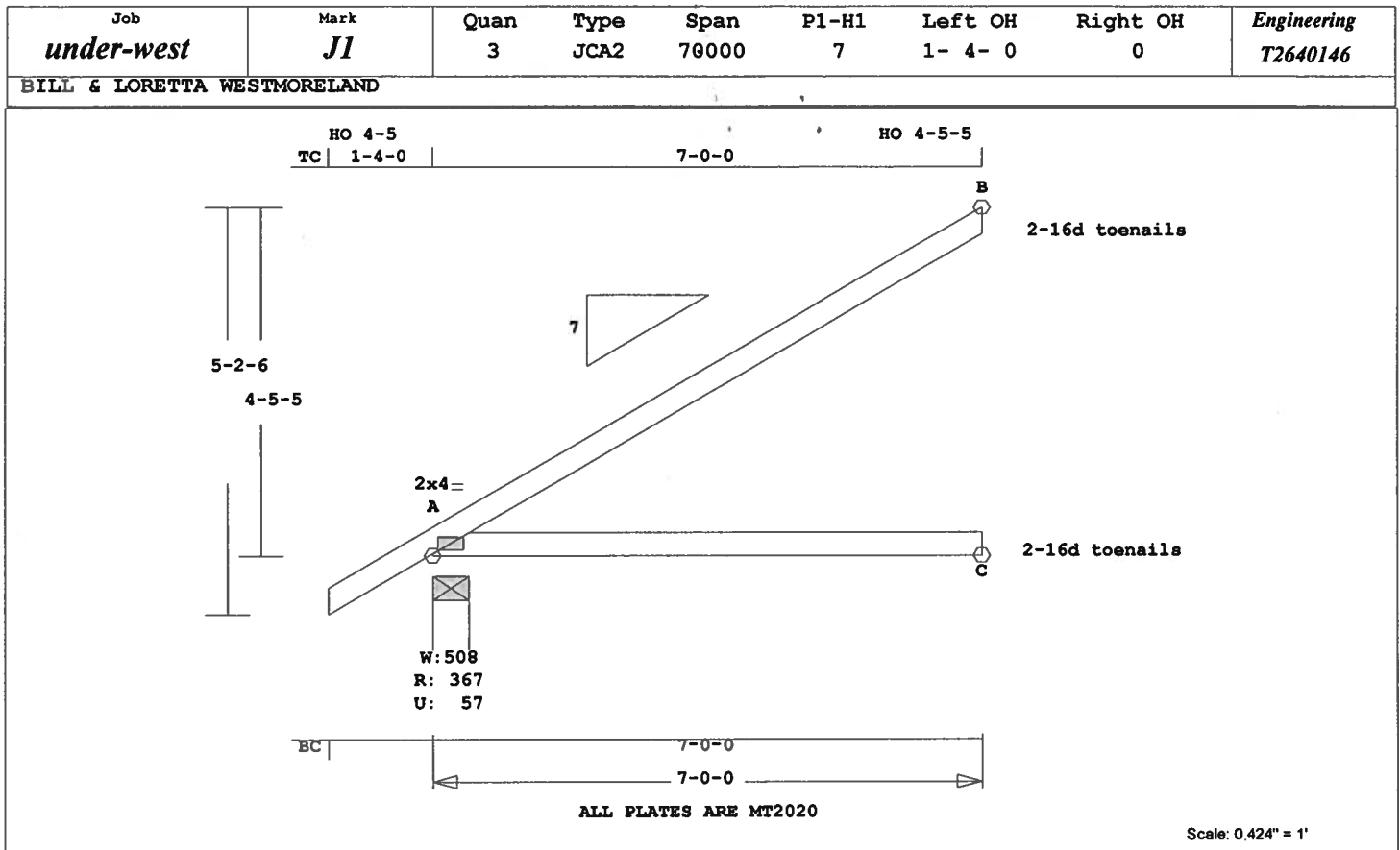
Max comp. force 210 Lbs

Max tens. force 239 Lbs

Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 13, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 31.8 LBS

Online Plus -- Version 21.0.059 A -C 0.36 0 T 0.00 0.36
RUN DATE: 13-AUG-07

CSI -Size- ----Lumber----
TC 0.50 2x 4 SP-#2
BC 0.36 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	7- 0- 0	
BC Cont.	0- 0- 0	7- 0- 0	

TL Defl -0.19" in A -C L/397
LL Defl -0.08" in A -C L/984
Shear // Grain in A -B 0.23

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.66

Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 97 Lbs
Max tens. force 77 Lbs
Quality Control Factor 1.25

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 368 57 U 198 R
C 134
B 187 88 U 84 R

Jt	Brg Size	Required
A	5.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.50	97	C	0.00	0.50
-----Bottom Chords-----					

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:
Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

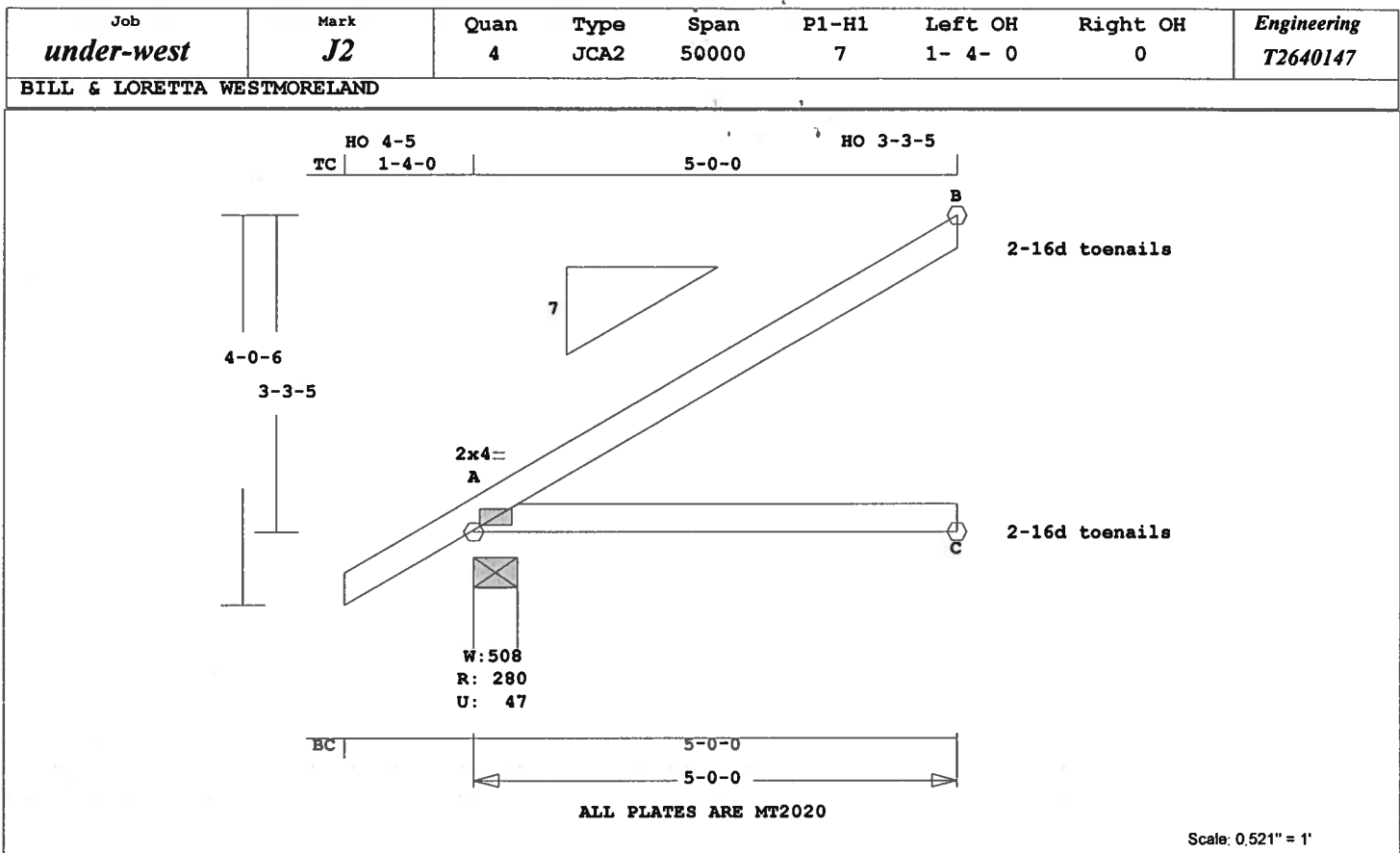
Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 13, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 23.6 LBS

Online Plus -- Version 21.0.059
RUN DATE: 13-AUG-07

CSI -Size- ---Lumber---
TC 0.22 2x 4 SP-#2
BC 0.16 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	5- 0- 0	
BC Cont.	0- 0- 0	5- 0- 0	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (lbs)

Jt	Down	Uplift	Horiz-
A	281	48 U	146 R
C	94		
B	148	68 U	60 R

Jt	Brg Size	Required
A	5.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd

-----Top Chords-----
A -B 0.22 78 C 0.00 0.22
B -B 0.00 4 C

-----Bottom Chords-----
A -C 0.16 0 T 0.00 0.16

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.15

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

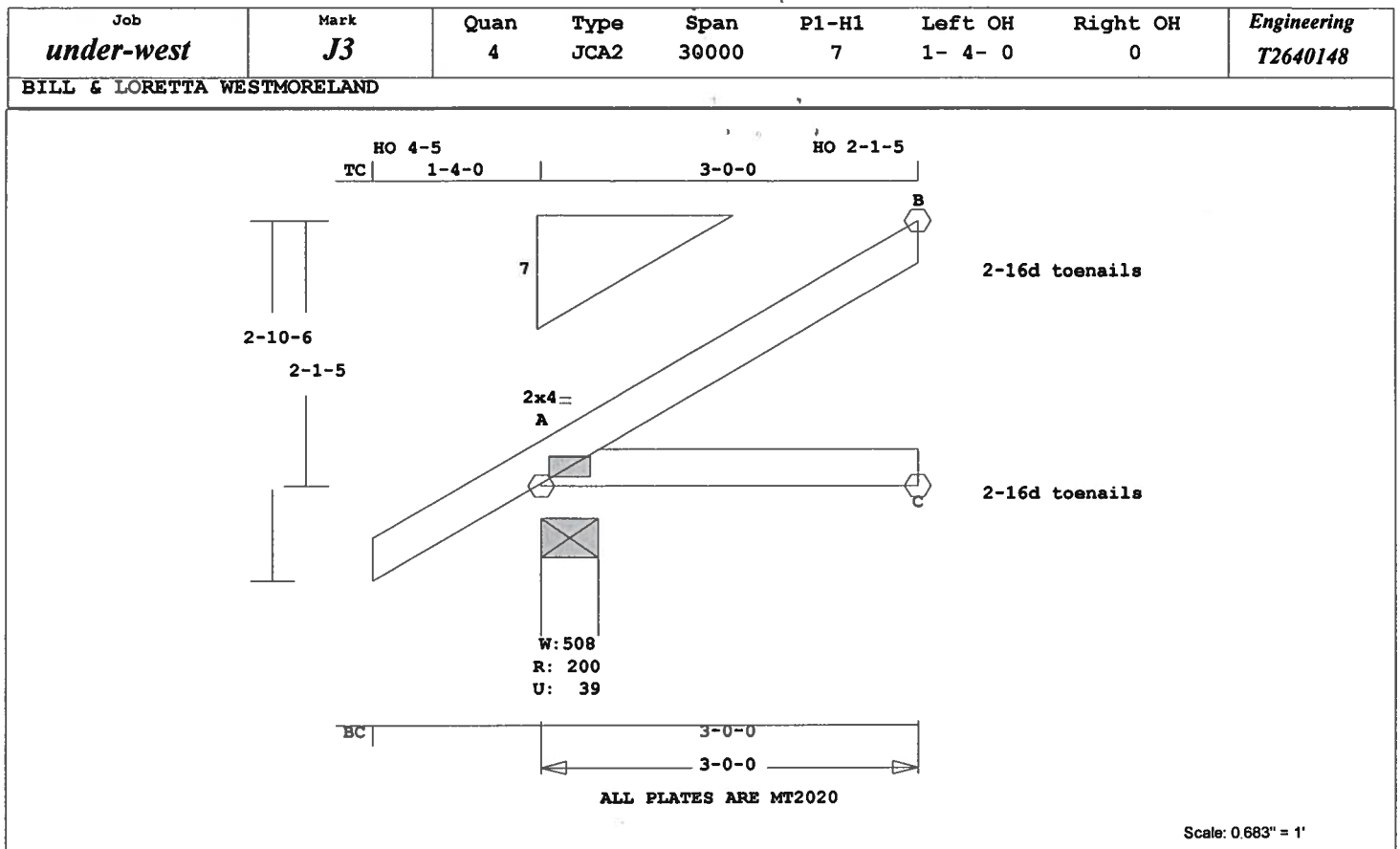
Wind Loads - ANSI / ASCE 7-02

Truss is designed as
Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 78 lbs
Max tens. force 62 lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 13,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 15.5 LBS

Online Plus -- Version 21.0.059
RUN DATE: 13-AUG-07

CSI -Size- ---Lumber---
TC 0.07 2x 4 SP-#2
BC 0.05 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	3- 0- 0	
BC Cont.	0- 0- 0	3- 0- 0	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	201	40 U	87 R
C	56		
B	93	43 U	36 R

Jt	Brg Size	Required
A	5.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -B	0.07		48 C	0.00 0.07
B -B	0.00		4 C	

-----Bottom Chords-----
A -C 0.05 0 T 0.00 0.05

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.07

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

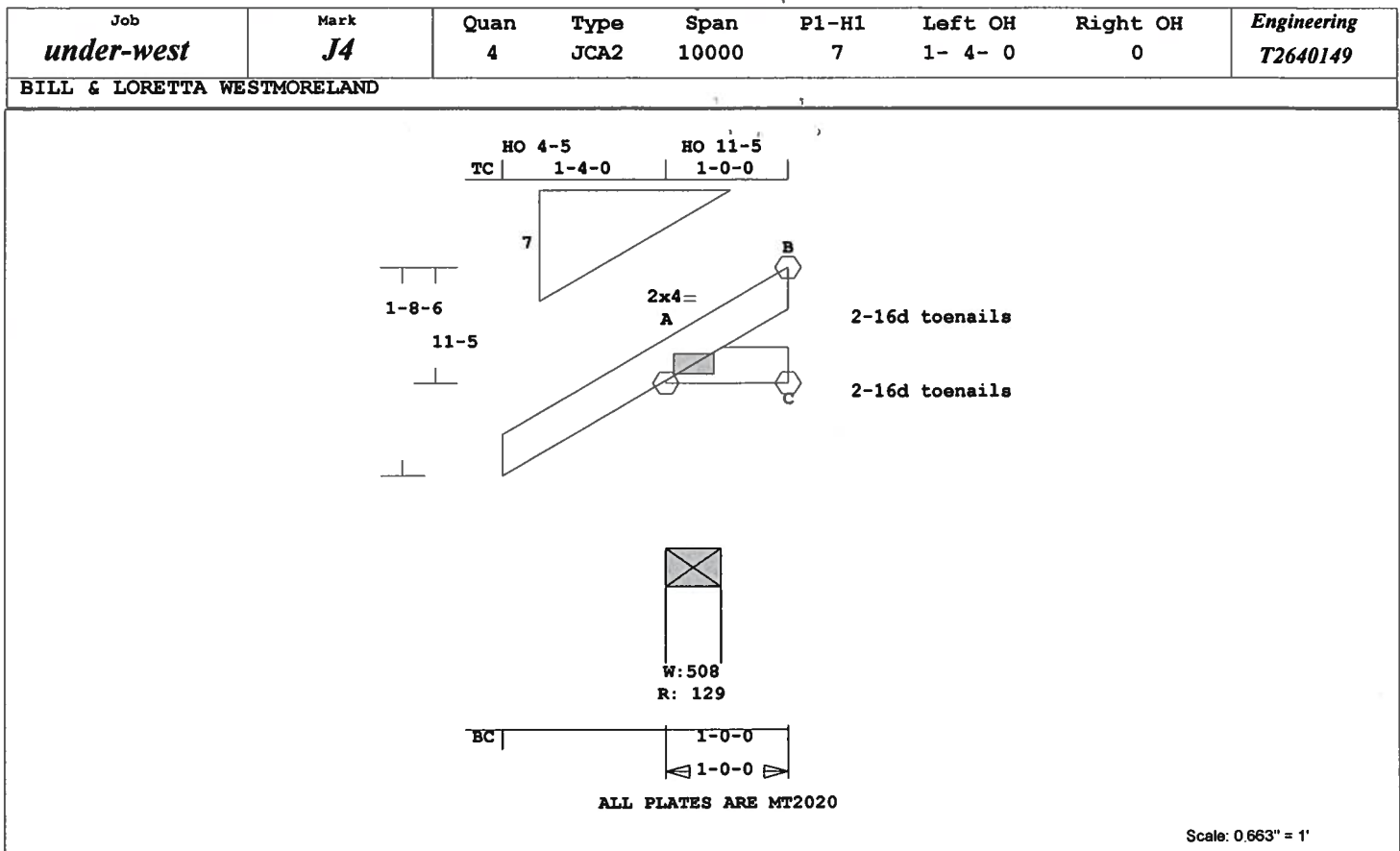
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 48 lbs
Max tens. force 39 lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 13,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 7.3 LBS

Online Plus -- Version 21.0.059

A -C 0.00 10 T

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 11 Lbs

Max tens. force 10 Lbs

Quality Control Factor 1.25

RUN DATE: 13-AUG-07

CSI -Size- ----Lumber----

TC 0.00 2x 4 SP-#2

BC 0.00 2x 4 SP-#2

TL Defl 0.00" in A -C L/999

LL Defl 0.00" in A -C L/999

Shear // Grain in A -B 0.02

Plates for each ply each face.

Plate - MT20 20 Ga, Gross Area

Plate - MT2H 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A MT20 2.0x 4.0 Ctr Ctr 0.62

Brace truss as follows:

O.C. From To

TC Cont. 0- 0- 0 1- 0- 0

BC Cont. 0- 0- 0 1- 0- 0

psf-Ld Dead Live

TC 10.0 20.0

BC 10.0 0.0

TC+BC 20.0 20.0

Total 40.0 Spacing 24.0"

Lumber Duration Factor 1.25

Plate Duration Factor 1.25

TC Fb=1.15 Fc=1.10 Ft=1.10

BC Fb=1.10 Fc=1.10 Ft=1.10

REVIEWED BY:

Robbins Engineering, Inc.

6904 Parke East Blvd.

Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

For proper installation of

toe-nails, refer to the 2001

National Design Specification

(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Philip J. O'Regan, FL Lic. #58126

Robbins Engineering

6904 Parke East Blvd

Tampa, FL, 33610

FL Cert.#5555

August 13 2007

Total Load Reactions (Lbs)

Jt Down Uplift Horiz-

A 130 26 R

B 22 11 U

C 14 11 R

Jt Brg Size Required

A 3.5" 1.5"

B 1.5" 1.5"

C 1.5" 1.5"

Plus 8 Wind Load Case(s)

Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd

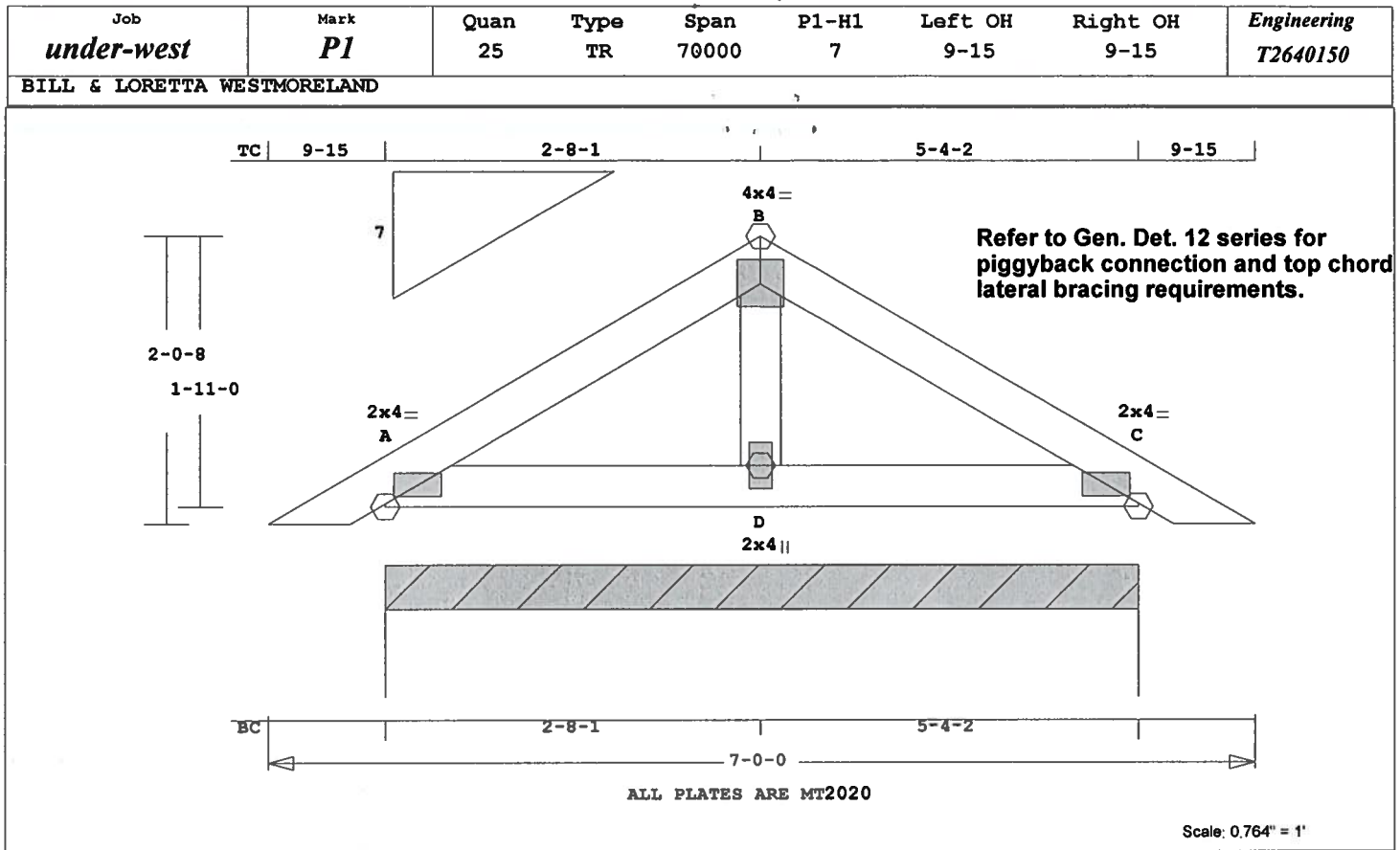
-----Top Chords-----

A -B 0.00 11 C

-----Bottom Chords-----

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 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

August 13,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 27.8 LBS

Online Plus -- Version 21.0.059
RUN DATE: 13-AUG-07

	CSI	-Size-	---Lumber---
TC	0.04	2x 4	SP-#2
BC	0.04	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	7- 0- 0	
BC Cont.	0- 0- 0	7- 0- 0	

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 459 63 U 30 R

Jt	Brg Size	Required
A	64.1"	0"-to- 64"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.04	106 C	0.00	0.04
B -C	0.04	106 C	0.00	0.04
-----Bottom Chords-----				
A -D	0.04	1 T	0.00	0.04
D -C	0.04	1 T	0.00	0.04

-----Webs-----
D -B 0.00 40 C

TL Defl 0.00" in D -C L/999
LL Defl 0.00" in D -C L/999
Shear // Grain in A -B 0.07

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.63
B MT20 4.0x 4.0 Ctr Ctr 0.43
C MT20 2.0x 4.0 Ctr Ctr 0.63
D MT20 2.0x 4.0 Ctr Ctr 0.38

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

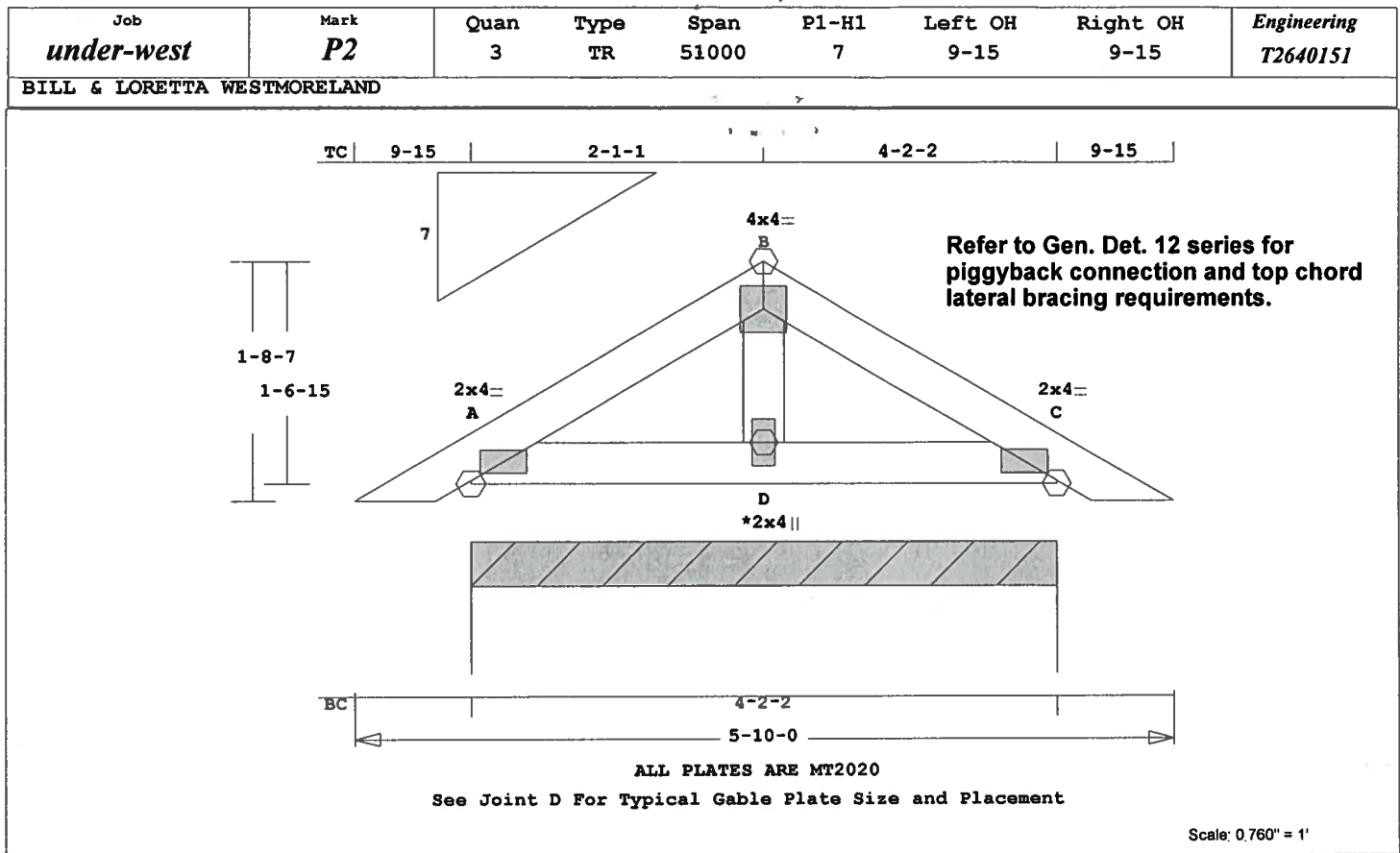
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.

Refer to Gen. Det. 12 series for
piggyback connection and top chord
lateral bracing requirements.

Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 106 Lbs
Max tens. force 74 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 13,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 22.4 LBS

Online Plus -- Version 21.0.059
RUN DATE: 13-AUG-07

CSI	-Size-	-----Lumber-----
TC	0.02	2x 4 SP-#2
BC	0.02	2x 4 SP-#2
GW	0.00	2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	5-10- 0	
BC Cont.	0- 0- 0	5-10- 0	

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	366	50 U	23 R

Jt	Brg Size	Required
A	50.1"	0"-to- 50"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.02	70 C	0.00	0.02
B -C	0.02	70 C	0.00	0.02
-----Bottom Chords-----				
A -D	0.02	1 T	0.00	0.02
D -C	0.02	1 T	0.00	0.02

-----Gable Webs-----

D -B	0.00	41 C
------	------	------

TL Defl	0.00"	in D -C	L/999
LL Defl	0.00"	in D -C	L/999
Shear // Grain	in A -B	0.05	

Plates for each ply each face.

Plate	- MT20	20 Ga,	Gross Area
Plate	- MT2H	20 Ga, <td>Gross Area</td>	Gross Area
Jt Type	Plt Size	X	Y JSI
A	MT20	2.0x 4.0	Ctr Ctr 0.62
B	MT20	4.0x 4.0	Ctr Ctr 0.42
C	MT20	2.0x 4.0	Ctr Ctr 0.62
D	MT20	2.0x 4.0	Ctr Ctr 0.00

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.

Refer to Gen. Det. 12 series for
piggyback connection and top chord
lateral bracing requirements.

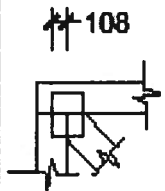
Wind Speed:	110 mph
Mean Roof Height:	15-0
Exposure Category:	B
Occupancy Factor :	1.00
Building Type:	Enclosed
TC Dead Load:	5.0 psf
BC Dead Load:	5.0 psf
Max comp. force	70 Lbs
Max tens. force	51 Lbs
Quality Control Factor	1.25

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Tampa, FL, 33610
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August 13,2007

ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE

(3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

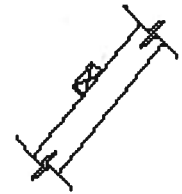
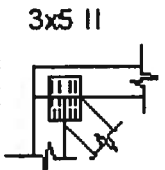


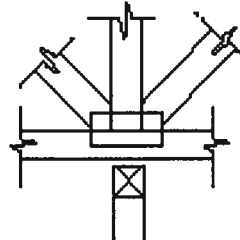
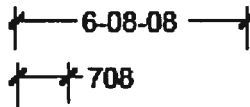
PLATE SIZE AND ORIENTATION



The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).



W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on truss design drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS FABRICATOR.



6904 Parke East Blvd.
Tampa, FL 33610-4115
Tel: 813-972-1135 Fax: 813-971-6117

www.robbinseng.com

#26163

Notice of Preventative Treatments for Termites

(as required by Florida Building Code (FBC) 104.2.6)

EDWARDS PEST CONTROL, 386 454 3051

241 SE HARDIN COURT, HIGH SPRINGS, FL, 32643

848 SW Truluck Terr. Ft. White FL. 32038

Address of Treatment or Lot/Block of Treatment

09/22/07

Date

7:00 Am

Time

J.W. Edwards

Applicator

Premise 75

Product Used

Imidachloprid

Chemical used (active ingredient)

3.05

Number of gallons applied

.05

Percent Concentration

2772

Area treated (square feet)

Linear feet treated

Horizontal

Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

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

If this notice is for the final exterior treatment, initial and date this line _____.

CAL-TECH TESTING, INC.

**P.O. Box 1625
Lake City, FL 32056
386-755-3633**

CAL-TECH INVOICE

DATE	INVOICE NO:
8/24/2007	32279

26163

BILL TO CLIENT
TL2 Builders, Inc. 14400 N.W. 111th Terrace Lake Butler, FL 32054 ACCOUNTS PAYABLE

TERMS	DUE DATE	JOB NO
Upon Receipt	9/3/2007	07-366

ITEM	TYPE TEST	LAB NO.	QTY	REPORT NO.	UNIT COST	EXTENSION
	Westmoreland Residence, Ft. White, FL					
	8/21/07					
Dens. Test	Density Tests #1-2		0.75		112.50	112.50
Tech Time	Tech Time				50.00	37.50
Adm. & Eng.	Administrative & Engineering				12.00	12.00

All Invoices are due Upon Receipt and subject to 18% finance Charge after 30 Days.

TOTAL DUE \$162.00



CAL-TECH TESTING, INC.

ENGINEERING & TESTING
LABORATORY

P.O. Box 1625 • Lake City, FL 32056 • (386) 755-3633 • Fax (386) 752-5456

2230 Greensboro Hwy.
Quincy, FL 32351
(850) 442-3495 • Fax (850) 442-4008
4784 Rosselle St.
Jacksonville, FL 32254
(904) 381-8901 • Fax (904) 381-8902

REPORT OF DAILY CONSTRUCTION TESTING AND MONITORING

Client TL² Bldr's ~~Exs.~~
Project Westmoreland Res.
Contractor SAC / Alvin Elxson

Date 8-21-07
Job. No 07-386
Technician P. Guiser

WORK ORDER:

☒ DENSITY

Spec's: 95%
Test No.: 1-2
Inches: 12"

☐ CONCRETE

☐ Cylinders
☐ Beams
☐ Prisms
☐ Pick-Up

Set No. _____

☐ Pick-Up Proctor

☐ Pick-Up LBR

DESCRIPTION OF DAYS ACTIVITIES:

Conducted nuclear density test on lift 2 of 7
for house pad fill material. Test met/exceeded required
spec ratio.

Time Out: 7:00 Am

Time In: 8:45 Am

FDT's Performed (2)
Cyls Cast/Cal-Tech _____
Cyls Cast/Client _____
Beams Cast/Cal-Tech: _____

Weather: _____
Hours Worked: .75
Other Tests: _____

Hours Travel: 1.00
Miles Travel: _____
Hours Standby: _____
Hours O.T.: _____

FIELD REPRESENTATIVE

CLIENT REPRESENTATIVE



Cal-Tech Testing, Inc.

• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902
2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 07-366
DATE TESTED: 8/21/07
DATE REPORTED: 9/7/07

PROJECT:	Residence @ 848 SW Truluck Terr., Fort White, FL
CLIENT:	TL2 Builders, Inc., 14400 NW 11th Terr., Lake Butler, FL 32054
GENERAL CONTRACTOR:	TL2 Builders, Inc.
EARTHWORK CONTRACTOR:	TL2 Builders, Inc.
INSPECTOR:	Pam Geiger
ASTM METHOD (D-2922) Nuclear	SOIL USE SUBGRADE/NATURAL SOIL
SPECIFICATION REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Lift 2 of 7								
1	15' North x 10' West of SE Corner	12"	109.2	5.8	103.2	1	104.6	99%
2	12' East x 7' South of NW Corner	12"	109.2	5.5	103.5	1	104.6	99%

REMARKS:

The Above Tests Meet Specification Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Tan Fine Sand	104.6	12.6	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Reviewed By:

Linda Creamer, CEO, DBE
Linda M. Creamer
President - CEO

[Signature]
Date: 9/11/07
Licensed, Florida No: 57842

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.



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6919 Distribution Ave. S., Unit #5, Jacksonville, FL 32257 • Tel(904)262-4046 • Fax(904)4047

2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

Laboratories

REPORT OF LABORATORY COMPACTION TEST

Client:
Project Name:
Project Location:
Contractor:

TL2 Builders, Inc. 14400 NW 111th Terr., Lake Butler, FL 32054

Residence @ 848 SW Truluck Terrace

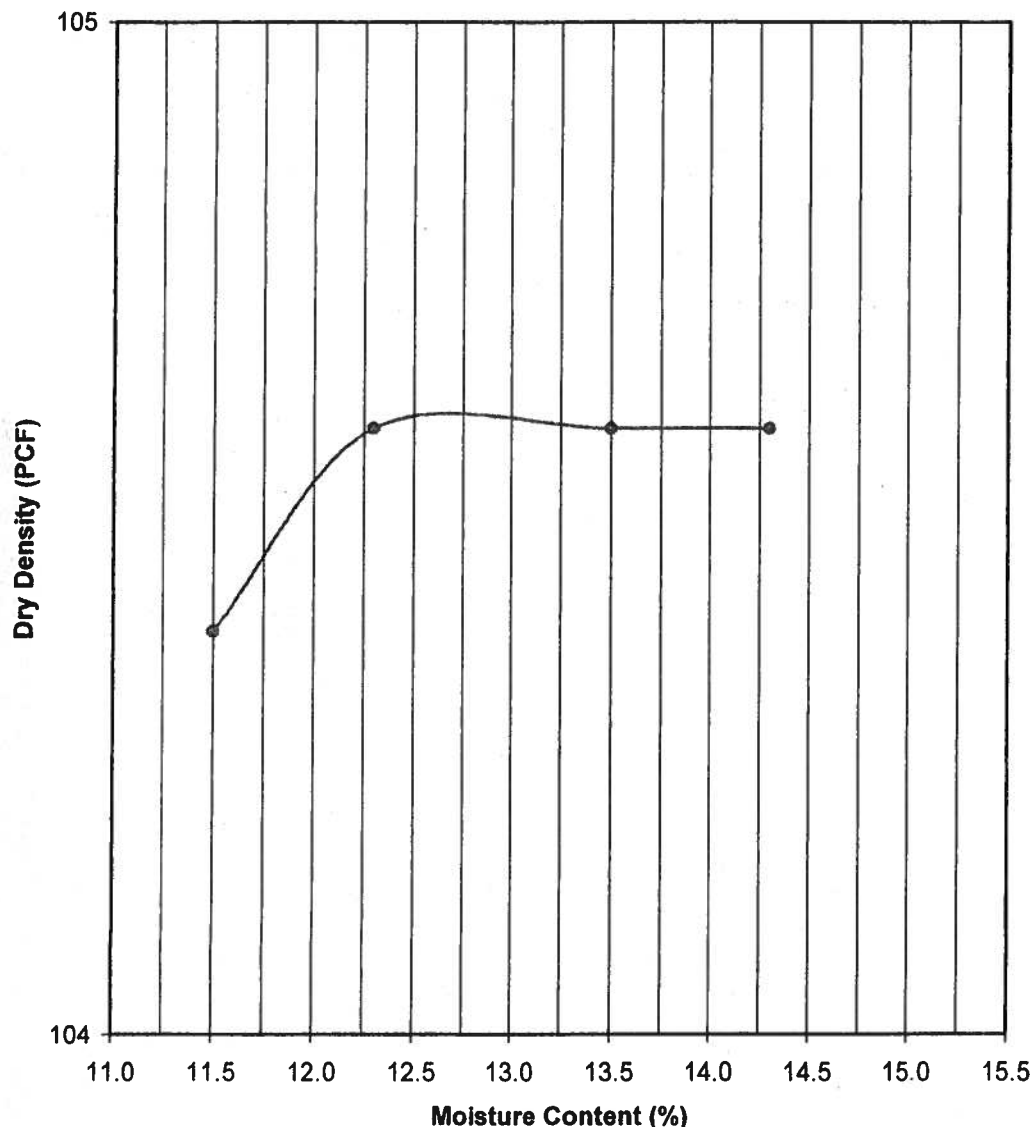
Fort White, FL

TL2 Builders, Inc.

File No: 07-366

Date: 8/17/2007

Lab No: 10169



PROCTOR DATA

Proctor No.: 1

Modified Proctor ☒
(ASTM D-1557)

Standard Proctor ☐
(ASTM D-698)

Maximum Dry
Dens. Pcf: 105

Optimum Moisture
Percent: 13

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

Sample Description:
Sample Location:
Proposed Use:
Sampled By:
Tested By:
Remarks:

Tan Fine Sand

House Pad

Fill Material

Bryan Williams

Date: 8/10/2007

Tim Cassidy

Date: 8/16/2007

1cc: Client

1cc: File

Linda M. Creamer
Linda M. Creamer

President - CEO

Reviewed By: *[Signature]*

Date: 8/17/07

Licensed, Florida No.: 57842

CAL-TECH TESTING, INC.

CAL-TECH INVOICE

**P.O. Box 1625
Lake City, FL 32056
386-755-3633**

DATE	INVOICE NO:
9/11/2007	32432

BILL TO CLIENT
TL2 Builders, Inc. 14400 N.W. 111th Terrace Lake Butler, FL 32054 ACCOUNTS PAYABLE

TERMS	DUE DATE	JOB NO
Upon Receipt	9/21/2007	07-366

ITEM	TYPE TEST	LAB NO.	QTY	REPORT NO.	UNIT COST	EXTENSION
Dens. Test Tech Time Adm. & Eng.	Westmoreland Residence					
	9/10/07					
	Density Tests #3-5		0.75		112.50	112.50
	Tech Time				50.00	37.50
	Administrative & Engineering				12.00	12.00

All Invoices are due Upon Receipt and subject to 18% finance Charge after 30 Days.

TOTAL DUE \$162.00



CAL-TECH TESTING, INC.

ENGINEERING & TESTING
LABORATORY

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Jacksonville, FL 32254
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REPORT OF DAILY CONSTRUCTION TESTING AND MONITORING

Client TL² Builders
Project Westmeadland Res.
Contractor _____

Date 9/10/07
Job. No. 07-3166
Technician C. Day

WORK ORDER:

☒ DENSITY

Spec's: 95%
Test No.: 3-6
Inches: 12"

☐ CONCRETE

☐ Cylinders
☐ Beams
☐ Prisms
☐ Pick-Up

Set No. _____

☐ Pick-Up Proctor

☐ Pick-Up LBR

DESCRIPTION OF DAYS ACTIVITIES:

Performed 3 density tests on base pad.

Time Out: 2:45 p

Time In: 4:30 p

FDT's Performed (3)

Cyls Cast/Cal-Tech _____

Cyls Cast/Client _____

Beams Cast/Cal-Tech: _____

Weather: _____

Hours Worked: 1.50

Other Tests: _____

Hours Travel: 1.25

Miles Travel: _____

Hours Standby: _____

Hours O.T.: _____

Chad Day

FIELD REPRESENTATIVE

CLIENT REPRESENTATIVE

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other