

DATE 08/10/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000026120

APPLICANT JOSH THOMAS PHONE 755-8887
ADDRESS 2109 W US HWY 90 SE 170-144 LAKE CITY FL 32055
OWNER RONALD RICE JR PHONE 386-984-0526
ADDRESS 232 NW KEY LIME CT LAKE CITY FL 32055
CONTRACTOR CONCEPT CONSTRUCTION PHONE 755-8887
LOCATION OF PROPERTY 90 W, R 250, R LOWER SPRINGS RD, L ON KEY LIME CT, ON THE CORNER
TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 98050.00
HEATED FLOOR AREA 1961.00 TOTAL AREA 2713.00 HEIGHT 19.11 STORIES 1
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING AG-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 01-3S-15-00128-011 SUBDIVISION AKA: PARCEL 9
LOT BLOCK PHASE UNIT TOTAL ACRES 7.75

000001431 CBC125118
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18X32 PERMIT 07-0616 BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, EXISTING MH TO BE REMOVED FROM
PROPERTY 45 DAYS AFTER CO, NOC ON FILE

Check # or Cash 2001

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 495.00 CERTIFICATION FEE \$ 13.56 SURCHARGE FEE \$ 13.56
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 \$ 25.00 TOTAL FEE 622.12

INSPECTORS OFFICE L. Wal CLERKS OFFICE CH

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 INCONVENIENCE, 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.

Return to: *Swain Tikh*
619 SW Baya Dr. #102
Lake City FL 32025
#07-0280

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF: Columbia

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement:

1. Description of Property: Long Legal - **SEE EX A** Lower Springs
232 NW Key Lime Court Lake City, FL 32055

2. General Description of Improvements: Residential Construction

3. Name and Address of Owner: **RONALD F. RICE, JR.**
232 NW KEY LIME COURT
LAKE CITY, FL 32055

Inst: 200712014661 Date: 7/2/2007 Time: 2:20 PM
P. DeWitt Cason, Columbia County Page 1 of 2

Interest in Property: Fee Simple

Name and Address of Fee Simple Titleholder (If other than owner): N/A

4. Name and Address of Contractor: **CONCEPT CONSTRUCTION**
2109 W. US HWY 90, STE. 170-144
LAKE CITY, FL 32055

5. Name and Address of Surety on payment bond, if any, and amount of such bond: N/A

Amount of Bond: \$0

6. Name and Address of Lender:

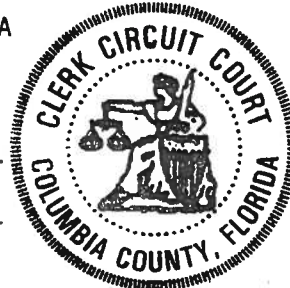
MERCANTILE BANK
425 22nd Avenue North
St. Petersburg, FL 33704

Attention: AnnMarie Hoambrecker

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

By: *Sharon Feagle*
Deputy Clerk

Date: 07-02-2007



7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13 (1)(b), Florida Statutes:

MERCANTILE BANK
425 22nd Avenue North
St. Petersburg, FL 33704

Attention: AnnMarie Hoambrecker

8. In addition to himself, Owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

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

OWNER: **RONALD F. RICE, JR.**

[Signature]
JPR

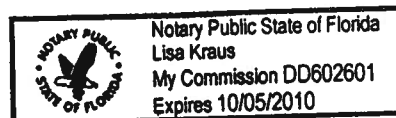
STATE OF FLORIDA
COUNTY OF: Columbia

I HEREBY CERTIFY that before me personally appeared *Ronald F. Rice Jr. & Juana P. Rice*
to me personally known or who has produced *FL ID* as identification,
known to me to be the person described in and who executed the foregoing instrument, and severally acknowledged
the execution thereof to be his free act and deed, for the uses and purposes therein expressed.

WITNESS my hand and official seal at *Lake City* said County and State, this *25th* day
of *June*, 2007.

[Signature]
Notary Public
Print Name: **Lisa Kraus**

My Commission Expires:



Columbia County Building Permit Application

For Office Use Only Application # 0707-29 Date Received 7-10-07 By LM Permit # 1431/26120
 Application Approved by - Zoning Official BLK Date 10.07.07 Plans Examiner OK JHT Date 7-11-07
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments Existing m.H. is to be removed within 45 days of issuing C.O.
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ Well Letter ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Josh Thomas Phone (386) 755-8887
 Address 2109 W. US Hwy. 90 Ste 170-144 Lake City, FL 32055
 Owners Name Ronald E. Rice, Jr. Phone (386) 984-0526
 911 Address 232 NW Key Lime Ct. Lake City, FL 32055
 Contractors Name Concept Construction of North Florida, Inc. Phone (386) 755-8887
 Address 2109 W. US Hwy. 90 Ste 170-144 Lake City, FL 32055
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____

Architect/Engineer Name & Address Mark Disoway, PE P.O. Box 868 Lake City, FL 32056
 Mortgage Lenders Name & Address Mercantile Bank 425 22nd Ave. N. St. Petersburg, FL 33704

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number R00128-011 1-35-15 Estimated Cost of Construction \$199,500.00
 Subdivision Name Lower Springs Lot ^{Long} Legal Block _____ Unit _____ Phase _____
 Driving Directions From US 90 Take Like Jeffery Road -
Cross over I 75 + proceed to Lower Springs Rd. - Turn R
Then Left @ Key Lime

Type of Construction Residential Number of Existing Dwellings on Property None
 Total Acreage 7.750 Lot Size _____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 80 min Side 50 min Side 50 min Rear 80 min
 Total Building Height 19' 11" Number of Stories 1 Heated Floor Area 1,961 s.f. Roof Pitch 6/12
TOTAL 2713

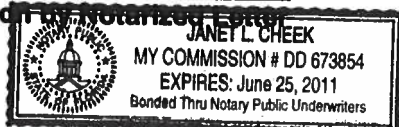
Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

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

STATE OF FLORIDA
COUNTY OF COLUMBIA



Contractor Signature _____
 Contractors License Number CBC 1251118
 Competency Card Number _____
 NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me

this 9th day of July 2007.

Personally known ☒ or Produced Identification _____

Let message 7/18/07 G

Janet L. Cheek
 Notary Signature

(Revised Sept. 2006)

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001431

DATE 08/10/2007 PARCEL ID # 01-3S-15-00128-011

APPLICANT JOSH THOMAS PHONE 755-8887

ADDRESS 2109 W US HWY 90 SE 170-144 LAKE CITY FL 32055

OWNER RONALD RICE JR PHONE 386-984-0526

ADDRESS 232 NW KEY LIME CT LAKE CITY FL 32055

CONTRACTOR CONCEPT CONSTRUCTION PHONE 755-8887

LOCATION OF PROPERTY 90 W, R 250, R LOWER SPRINGS RD, L ON KEY LIME CT, ON THE CORNER

SUBDIVISION/LOT/BLOCK/PHASE/UNIT AKA: PARCEL 9

SIGNATURE *Josh Thomas*

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.**

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055

Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



FORM 600A-2004R

EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: RICE	Builder: CONCEPT CONST..
Address:	Permitting Office: Columbata Co.
City, State:	Permit Number: 26120
Owner:	Jurisdiction Number: 22100
Climate Zone: North	

1. New construction or existing New	12. Cooling systems
2. Single family or multi-family Single family	a. Central Unit Cap: 44.0 kBtu/hr
3. Number of units, if multi-family 1	SEER: 13.30
4. Number of Bedrooms 4	b. N/A
5. Is this a worst case? Yes	c. N/A
6. Conditioned floor area (ft²) 1961 ft²	13. Heating systems
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)	a. Electric Heat Pump Cap: 38.5 kBtu/hr
a. U-factor: Description Area	HSPF: 8.90
(or Single or Double DEFAULT) 7a. (Dble Default) 279.0 ft²	b. N/A
b. SHGC:	c. N/A
(or Clear or Tint DEFAULT) 7b. (Clear) 279.0 ft²	14. Hot water systems
8. Floor types	a. Electric Resistance Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation R=0.0, 232.0(p) ft	EF: 0.92
b. N/A	b. N/A
c. N/A	c. Conservation credits
9. Wall types	(HR-Heat recovery, Solar
a. Concrete, Int Insul, Exterior R=4.1, 1576.0 ft²	DHP-Dedicated heat pump)
b. N/A	15. HVAC credits
c. N/A	(CF-Ceiling fan, CV-Cross ventilation,
d. N/A	HF-Whole house fan,
e. N/A	PT-Programmable Thermostat,
10. Ceiling types	MZ-C-Multizone cooling,
a. Under Attic R=30.0, 1961.0 ft²	MZ-H-Multizone heating)
b. N/A	
c. N/A	
11. Ducts	
a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 196.0 ft	
b. N/A	

Glass/Floor Area: 0.14

Total as-built points: 28181

Total base points: 28643

PASS

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

PREPARED BY: DATE: 6/26/07

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 area, see Summer & Winter Glass output on pages 284.
EnergyGauge® (Version: FLRC8B v4.5)

FORM 600A-2004R

EnergyGauge® 4.5

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

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 24285.5			Summer As-Built Points: 24423.3					
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
24285.5	0.3250	7892.8	(sys 1: Central Unit 44000btuh ,SEER/EFF(13.3) Ducts:Uno(S),Uno(R),Int(AH),R6.0(INS) 24423 1.00 (1.09 x 1.147 x 0.91) 0.257 1.000 7130.5 24423.3 1.00 1.138 0.257 1.000 7130.5					

FORM 600A-2004R

EnergyGauge® 4.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Omt Len Hgt		Area	X WPM	X WOF	= Points	
.18	1981.0	20.17	7129.0	1.Double, Clear	E	2.0	6.0	105.0	18.79	1.08	2092.0
				2.Double, Clear	S	2.0	6.0	22.0	13.30	1.26	368.0
				3.Double, Clear	W	2.0	6.0	107.0	20.73	1.04	2312.0
				4.Double, Clear	N	2.0	6.0	45.0	24.68	1.00	1111.0
				As-Built Total:				279.0			5893.0
WALL TYPES											
Area X BWPM = Points				Type	R-Value		Area	X WPM	=	Points	
Adjacent	0.0	0.00	0.0	1. Concrete, Int Insul, Exterior		4.1	1576.0	6.42			10117.9
Exterior	1576.0	3.70	5831.2								
Base Total:				As-Built Total:				1576.0			10117.9
DOOR TYPES											
Area X BWPM = Points				Type	R-Value		Area	X WPM	=	Points	
Adjacent	18.0	11.50	207.0	1.Exterior Insulated			28.0	8.40			235.2
Exterior	28.0	12.30	344.4	2.Adjacent Insulated			18.0	8.00			144.0
Base Total:				As-Built Total:				46.0			379.2
CEILING TYPES											
Area X BWPM = Points				Type	R-Value		Area	X WPM X WCM	=	Points	
Under Attic	1981.0	2.05	4020.0	1. Under Attic		30.0	1981.0	2.05 X 1.00			4020.0
Base Total:				As-Built Total:				1981.0			4020.0
FLOOR TYPES											
Area X BWPM = Points				Type	R-Value		Area	X WPM	=	Points	
Slab	232.0(p)	8.9	2084.8	1. Slab-On-Grade Edge Insulation		0.0	232.0(p)	18.80			4361.6
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:				232.0			4361.6
INFILTRATION											
Area X BWPM = Points								Area	X WPM	=	Points
	1981.0	-0.59	-1157.0					1981.0	-0.59		-1157.0

FORM 600A-2004R

EnergyGauge® 4.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		18430.5	Winter As-Built Points:				23604.8	
Total Winter X Points	System = Multiplier	Heating Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points					
			(System - Points) (DM x DSM x AHU)					
			(sys 1: Electric Heat Pump 38500 btuh ,EFF(6.9) Ducts:Uno(S),Uno(R),Int(AH),R6.0					
18430.5	0.5540	10210.5	23604.8	1.000	(1.089 x 1.169 x 0.93)	0.383	1.000	10510.9
			23604.8	1.00	1.162	0.383	1.000	10510.9

FORM 600A-2004R

EnergyGauge® 4.5

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING				Tank	EF	Number of	X	Tank	X	Credit
Number of		Multiplier	=	Volume		Bedrooms		Ratio	Multiplier	=
Bedrooms			Total							Total
4		2635.00	10540.0	50.0	0.92	4		1.00	2635.00	1.00
				As-Built Total:						10540.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	Cooling	+	Heating	+	Hot Water
Points		Points		Points	Points		Points		Points
=				Total	=				Total
Points		Points		Points	Points		Points		Points
7893		10210		10540	7131		10511		10540
				28643					28181

PASS

FORM 600A-2004R

EnergyGauge® 4.5

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 joist 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, coffins, 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 spas & 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.	

FORM 600A-2004R

EnergyGauge® 4.5

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Omt Len Hgt		Area X SPM X SOF = Points				
.18	1881.0	18.59	6562.0	1.Double, Clear	E	2.0	6.0	105.0	42.06	0.85	3745.0
				2.Double, Clear	S	2.0	6.0	22.0	35.87	0.78	612.0
				3.Double, Clear	W	2.0	6.0	107.0	38.52	0.85	3501.0
				4.Double, Clear	N	2.0	6.0	45.0	19.20	0.90	777.0
				As-Built Total:		279.0				8636.0	
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	1. Concrete, Int Insul, Exterior	4.1		1576.0	1.13	1788.8		
Exterior	1576.0	1.70	2679.2								
Base Total: 1576.0 2679.2				As-Built Total:		1576.0 1788.8					
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	18.0	2.40	43.2	1.Exterior Insulated			28.0	4.10	114.8		
Exterior	28.0	6.10	170.8	2.Adjacent Insulated			18.0	1.60	28.8		
Base Total: 46.0 214.0				As-Built Total:		46.0 143.6					
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1881.0	1.73	3392.5	1. Under Attic	30.0		1881.0	1.73 X 1.00	3392.5		
Base Total: 1881.0 3392.5				As-Built Total:		1881.0 3392.5					
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	232.0(p)	-37.0	-8584.0	1. Slab-On-Grade Edge Insulation	0.0		232.0(p)	-41.20	-9558.4		
Raised	0.0	0.00	0.0								
Base Total: -8584.0				As-Built Total:		232.0 -9558.4					
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1881.0 10.21 20021.8				1881.0 10.21 20021.8							

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.0

The higher the score, the more efficient the home.

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 44.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.30
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1961 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	Cap: 38.5 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 279.0 ft ²		HSPF: 8.90
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 279.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 232.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.92
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Concrete, Int Insul, Exterior	R=4.1, 1576.0 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1961.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Uno. Ret: Uno. AH: Interior	Sup. R=6.0, 196.0 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.

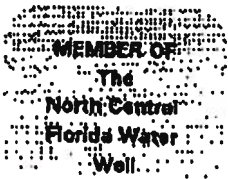
Builder Signature: _____ Date: _____

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

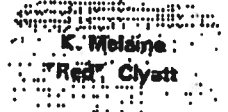


**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar[®] designation), your home may qualify for energy efficiency mortgage (EEM) incentives 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: FLRCSB v4.5)



Clyatt Well Drilling, Inc.
(Established in 1971)
POST OFFICE BOX 180
WORTHINGTON SPRINGS, FLORIDA 32697



Telephone Number (386)496-2488
FAX Number (386)496-4640

June 18, 2002

Columbia County Building Department
Post Office Box 1529
Lake City, Florida 32056

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the above-referenced well:

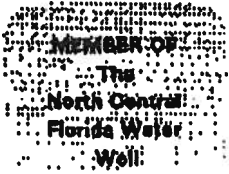
Size of Pump Motor:	1-1/2 Horse Power
Size of Pressure Tank:	220 Gallon Equivalent
Cycle Stop Valve Used:	No

Should you require any additional information, please do not hesitate to contact us.

Respectfully,

CLYATT WELL DRILLING, INC.

K. Melaine "Red" Clyatt
President



Clyatt Well Drilling, Inc.
(Established in 1971)
POST OFFICE BOX 180
WORTHINGTON SPRINGS, FLORIDA 32697

Telephone Number (386)496-2488
FAX Number (386)496-4640



**PUMP AND TANK SPECIFICATIONS FOR
STANDARD 4" RESIDENTIAL WELLS**

PUMPS

1 Horse Power Submersible Pump
20 Gallons Per Minute
Voltage: 240
Phase: (Single) 1

1.5 Horse Power Submersible Pump
25 Gallons Per Minute
Voltage: 240
Phase: (Single) 1

TANK

WF-255 Captive Air Tank
Capacity 81 Gallons
Equivalent 220 Gallons
Draw Down 25 Gallons

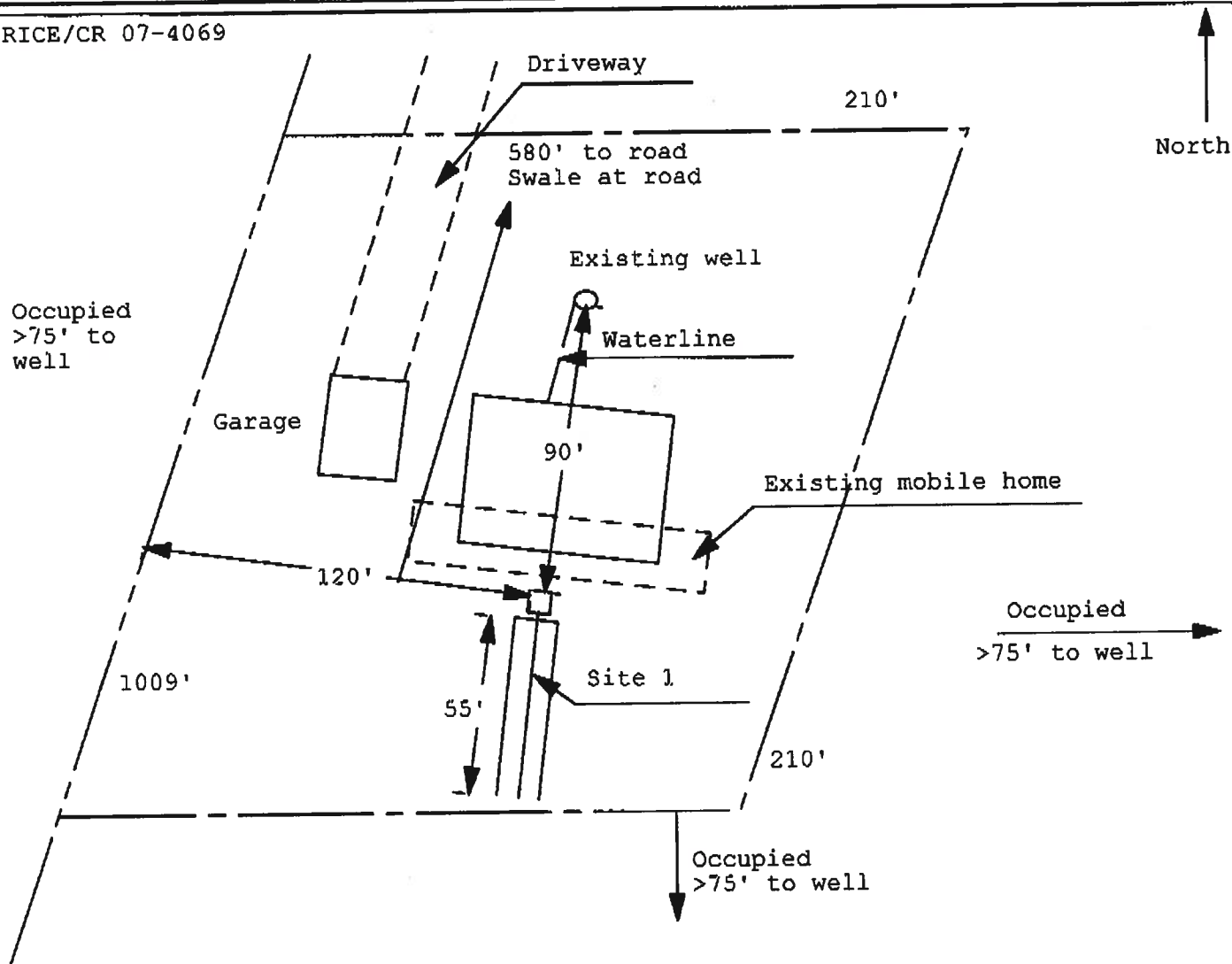
0707-29

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 07-0616

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

RICE/CR 07-4069



1 inch = 50 feet

Site Plan Submitted By Paul L. LeeDate 7/25/07Plan Approved ☒Not Approved ☐Date 8/6/07By Mr. O. H.

Columbia

CPHU

Notes: _____



Load Short Form Entire House

Touchstone Heating and Air, Inc.

Job: Rice Residence

Date: Jun 21, 2007

By:

P.O. Box 327, Lake Butler, FL 32054 Phone: 386-496-3487 Fax: 386-496-3147

Project Information

For: Concept / Rice Residence
2109 W US HWY 90 Suite 170-144, Lake City, FL 32055
Phone: 386-755-8887

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	68	75	Construction quality	1 (Average)
Design TD (°F)	35	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

HEATING EQUIPMENT

Make Trane
Trade XR14 Weathertron
Model 2TWR4042A1

Efficiency 8.9 HSPF
Heating input
Heating output 38500 Btuh @ 47°F
Temperature rise 24 °F
Actual air flow 1467 cfm
Air flow factor 0.046 cfm/Btuh
Static pressure 0.00 in H2O
Space thermostat

COOLING EQUIPMENT

Make Trane
Trade XR14 Weathertron
Cond 2TWR4042A1
Coil TXC037S3+*DX1C100A9H4
Efficiency 13.9 SEER
Sensible cooling 30800 Btuh
Latent cooling 13200 Btuh
Total cooling 44000 Btuh
Actual air flow 1467 cfm
Air flow factor 0.050 cfm/Btuh
Static pressure 0.00 in H2O
Load sensible heat ratio 0.75

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
WIC	70	1959	634	90	32
Master Bedroom	210	3305	2143	153	107
Bath	156	2066	2799	95	140
Laundry	48	62	2944	3	147
Future Game Room	340	5636	2651	260	193
Dining	90	1818	1499	84	75
Great Room/Kitch	603	6918	10595	319	530
BR 2	91	1668	1221	77	61
BR 3	116	3588	2136	166	107
BR 4	172	3920	2340	181	117
Bath 2	64	852	357	39	18

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



wrightsoft

Right-Suite Residential 6.0.90 RSR28972

C:\My Documents\Wrightsoft\HVAC\Concept\Concept Rice Residence.rpt Calc = MJ8 Orientation = N

2007-Jun-21 09:53:52

Page 1

Entire House	1960	31790	29319	1467	1467
Other equip loads		5947	2888		
Equip. @ 0.97 RSM			31241		
Latent cooling			10757		
TOTALS	1960	37737	41998	1467	1467

Printout certified by ACCA to meet all requirements of Manual J 6th Ed.



wrightsoft

Right-Suite Residential 8.0.90 RBR25972

C:\My Documents\Wrightsoft HVAC\Concept\Concept Rice Residence.rmp Calc = MJ8 Orientation = N

2007-Jun-21 09:53:52

Page 2



Duct System Summary Entire House

Touchstone Heating and Air, Inc.

Job: Rice Residence

Date: Jun 21, 2007

By:

P.O. Box 327, Lake Butler, FL 32054 Phone: 386-496-3467 Fax: 386-496-3147

Project Information

For: Concept / Rice Residence
2109 W US HWY 90 Suite 170-144, Lake City, FL 32055
Phone: 386-755-8887

	Heating	Cooling
External static pressure	0.00 in H2O	0.00 in H2O
Pressure losses	0.15 in H2O	0.15 in H2O
Available static pressure	-0.1 in H2O	-0.1 in H2O
Supply / return available pressure	-0.07 / -0.07 in H2O	-0.07 / -0.07 in H2O
Lowest friction rate	0.880 in/100ft	0.880 in/100ft
Actual air flow	1467 cfm	1467 cfm
Total effective length (TEL)	0 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Cig (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg. Eqv Ln (ft)	Trunk
WIC	h 1959	90	32	0.880	5	0x0	VIFx	0.0	0.0	
Master Bedroom	h 3305	153	107	0.880	7	0x0	VIFx	0.0	0.0	
Bath	c 2799	95	140	0.880	7	0x0	VIFx	0.0	0.0	
Laundry	c 2944	3	147	0.880	7	0x0	VIFx	0.0	0.0	
Future Game Room	h 5636	260	133	0.880	9	0x0	VIFx	0.0	0.0	
Dining	h 1818	84	75	0.880	5	0x0	VIFx	0.0	0.0	
Great Room/Kitch-A	c 3531	106	177	0.880	7	0x0	VIFx	0.0	0.0	
Great Room/Kitch-B	c 3531	106	177	0.880	7	0x0	VIFx	0.0	0.0	
Great Room/Kitch	c 3532	106	177	0.880	7	0x0	VIFx	0.0	0.0	
BR 2	h 1666	77	61	0.880	5	0x0	VIFx	0.0	0.0	
BR 3	h 3588	166	107	0.880	7	0x0	VIFx	0.0	0.0	
BR 4	h 3920	181	117	0.880	7	0x0	VIFx	0.0	0.0	
Bath 2	h 852	39	18	0.880	4	0x0	VIFx	0.0	0.0	

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Cig (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joint Opening (in)	Duct Matl	Trunk
rb1	0x0	1467	1467	0.0	0.880	672	20	0x 0		VIFx	

Bold/italic values have been manually overridden



wrightsoft

Right-Soft Residential 6.0.90 RSR25872

C:\My Documents\Wrightsoft HVAC\Concept\Concept Rice Residence.rpt Calc = MJR Orientation = N

2007-Jun-21 09:53:52

Page 1

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1T8P215-Z1503082629

Truss Fabricator: W.B. Howland
Job Identification: 4694-/RICE RESIDENCE /Concept Construction of N -- LAKE CITY, FL
Truss Count: 46
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.36.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 07/03/2007

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

-Truss Design Engineer-
James F. Collins Jr.

Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Details: A11015EE-GBLLETIN-BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	16282--A1		07184001	07/03/07
2	16283--A2		07184002	07/03/07
3	16284--A3		07184042	07/03/07
4	16285--A4		07184012	07/03/07
5	16286--A5		07184046	07/03/07
6	16287--A6		07184045	07/03/07
7	16288--A7		07184013	07/03/07
8	16289--A8		07184014	07/03/07
9	16290--A9		07184015	07/03/07
10	16291--A10		07184016	07/03/07
11	16292--A11		07184044	07/03/07
12	16293--A12		07184017	07/03/07
13	16294--A13		07184018	07/03/07
14	16295--A14		07184019	07/03/07
15	16296--A15		07184003	07/03/07
16	16297--A16		07184020	07/03/07
17	16298--A17		07184021	07/03/07
18	16299--A18		07184022	07/03/07
19	16300--A19		07184023	07/03/07
20	16301--A20		07184024	07/03/07
21	16302--A21		07184025	07/03/07
22	16303--A22		07184026	07/03/07
23	16304--A23		07184043	07/03/07
24	16305--A24		07184027	07/03/07
25	16306--A25		07184028	07/03/07
26	16307--A26		07184029	07/03/07
27	16308--A27		07184030	07/03/07
28	16309--A28		07184031	07/03/07
29	16310--A29		07184032	07/03/07
30	16311--JC1		07184033	07/03/07
31	16312--JC3		07184004	07/03/07
32	16313--JC5		07184005	07/03/07
33	16314--JE1		07184034	07/03/07
34	16315--JE3		07184006	07/03/07
35	16316--JE5		07184007	07/03/07
36	16317--JE5A		07184008	07/03/07

#	Ref	Description	Drawing#	Date
37	16318--JE6		07184009	07/03/07
38	16319--JE6A		07184010	07/03/07
39	16320--JE7		07184011	07/03/07
40	16321--JE7A		07184035	07/03/07
41	16322--JH1		07184036	07/03/07
42	16323--JH4		07184037	07/03/07
43	16324--JH9		07184038	07/03/07
44	16325--JH10		07184039	07/03/07
45	16326--PBA1		07184040	07/03/07
46	16327--PBA2		07184041	07/03/07



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: IT8P215-Z1503082629

Truss Fabricator: W.B. Howland
Job Identification: 4694-/RICE RESIDENCE /Concept Construction of N -- LAKE CITY, FL
Truss Count: 1
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.36.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Seal Date: 07/03/2007

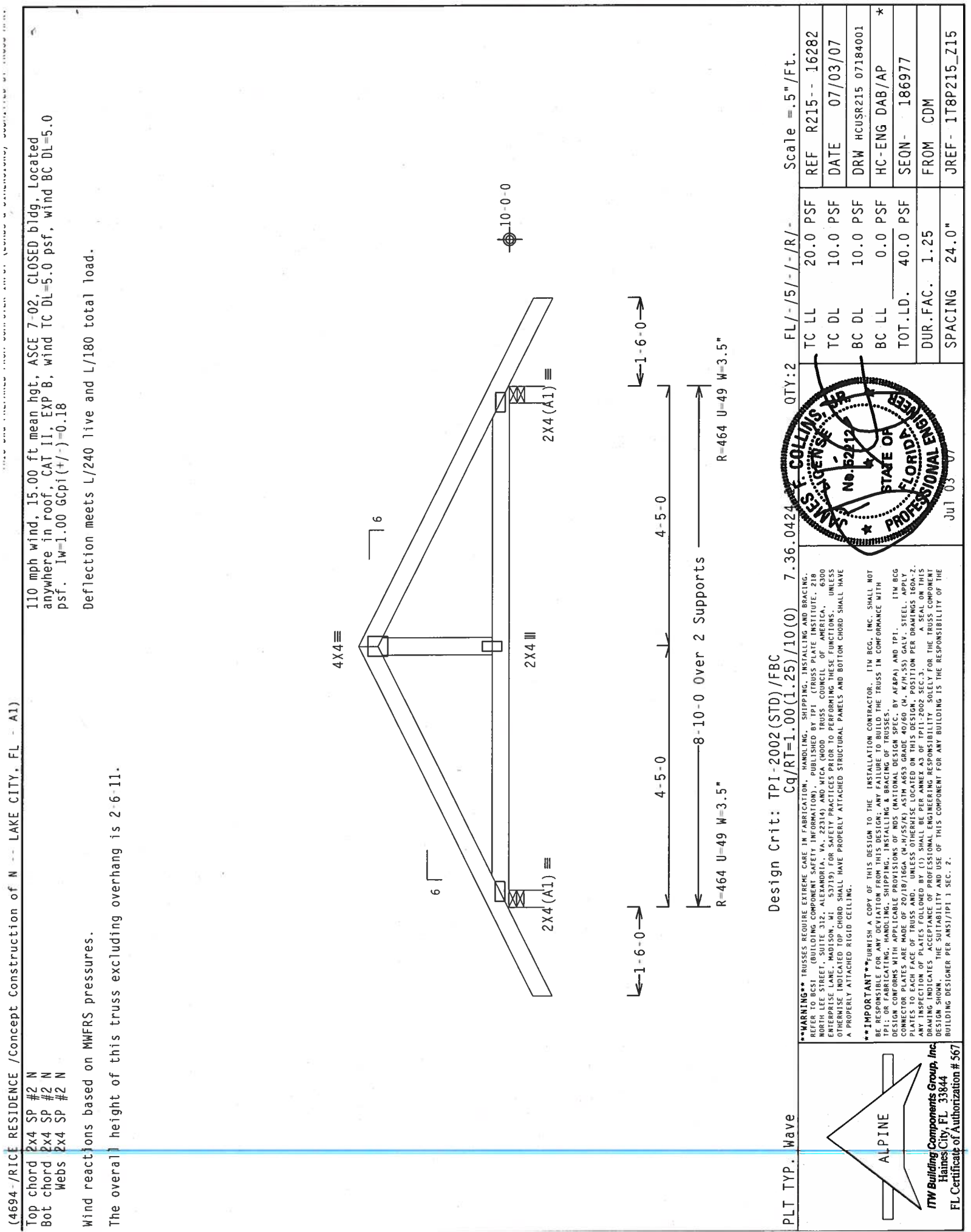
-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	16327--	PBA2	07184041	07/03/07

ALPINE





(4694-RICE RESIDENCE /Concept Construction of N -- LAKE CITY, FL - A1)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 2'-6-11".

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

Scale = .5"/Ft.

PLT TYP. Wave

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

QTY:2

FL/-5/-/-/R/-

REF R215-- 16282

DATE 07/03/07

DRW HCUSR215 07184001

HC-ENG DAB/AP

SEQN- 186977

FROM CDM

JREF- 1T8P215_Z15

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord	2x4	SP	#2	N
Bot chord	2x4	SP	#2	N
Wbs	2x4	SP	#2	N

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

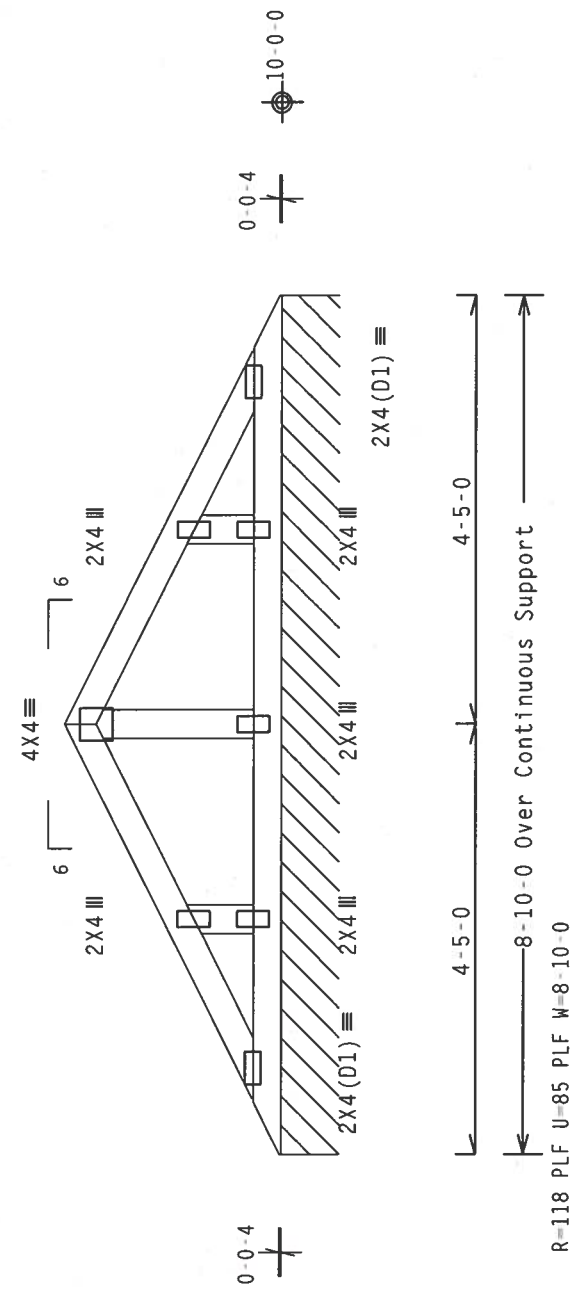
Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

Truss spaced at 24.0" OC designed to support 2'-0" top chord
outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must
not be cut or notched.

The overall height of this truss excluding overhang is 2-2-12.



R-118 PLF U-85 PLF W-8-10-0

Design Crit: TPI-2002(STD)/FBC

Scale = .5" / Ft.

PLT TYP. Wave



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 567

Design Crit: TPI-2002(SIU)/FBC

Cq/RT=1.00(1.25)/10(0) 7.36.0424.18 QTY:1

Scale = 5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 KORTH AVE LANE, WADSWORTH, IL 60093) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, WOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. 1TW BCG CONNECTION PLATES ARE MADE OF 20/18/16GA (M/M/SS/K) ASTM A653 GRADE 40/60 (M, K/M-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R215 -- 16283

DATE 07/03/07

DRW HCUSR215 07184002

HC-ENG DAB/AP *

SEQN- 186974

FROM CDM

JREF- 1T8P215_Z15

Top chord 2x4 SP #2 N
Bot chord 2x8 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.833'
:Rt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.833'

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 1.50 to 62 PLF at 3.25
TC - From 62 PLF at 3.25 to 62 PLF at 9.75
TC - From 62 PLF at 9.75 to 62 PLF at 14.50
BC - From 4 PLF at 1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 13.00
BC - From 4 PLF at 13.00 to 4 PLF at 14.50
BC - 1439 LB Conc. Load at 1.94, 3.94
BC - 3079 LB Conc. Load at 5.88

The overall height of this truss excluding overhang is 2-5-11.

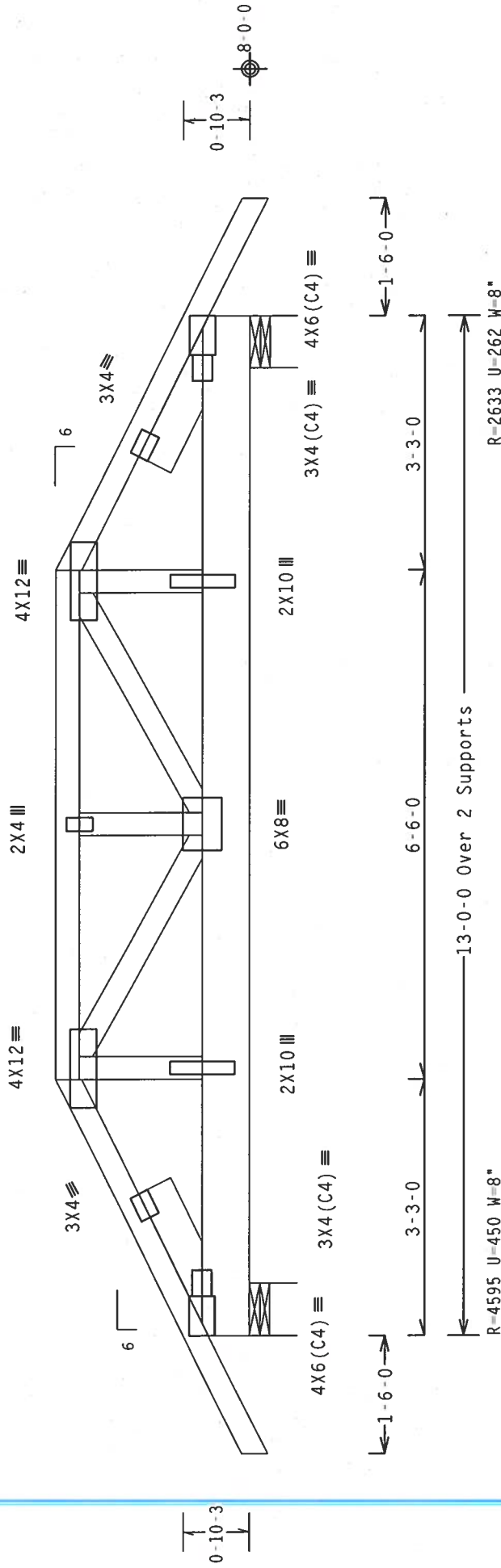
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @3.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

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

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

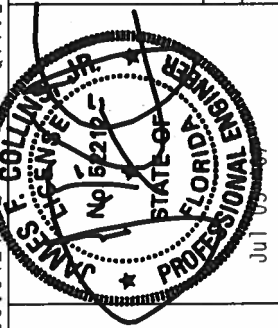
QTY:1 FL/-5/-/-/R/-

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSJ (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 100 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55K) ASTM A653 GRADE 40/60 (4, 47M/55) GALV. STEEL. APPLY ALKALY RESISTANT GROUT TO ALL JOINTS. OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWING. 16GA 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

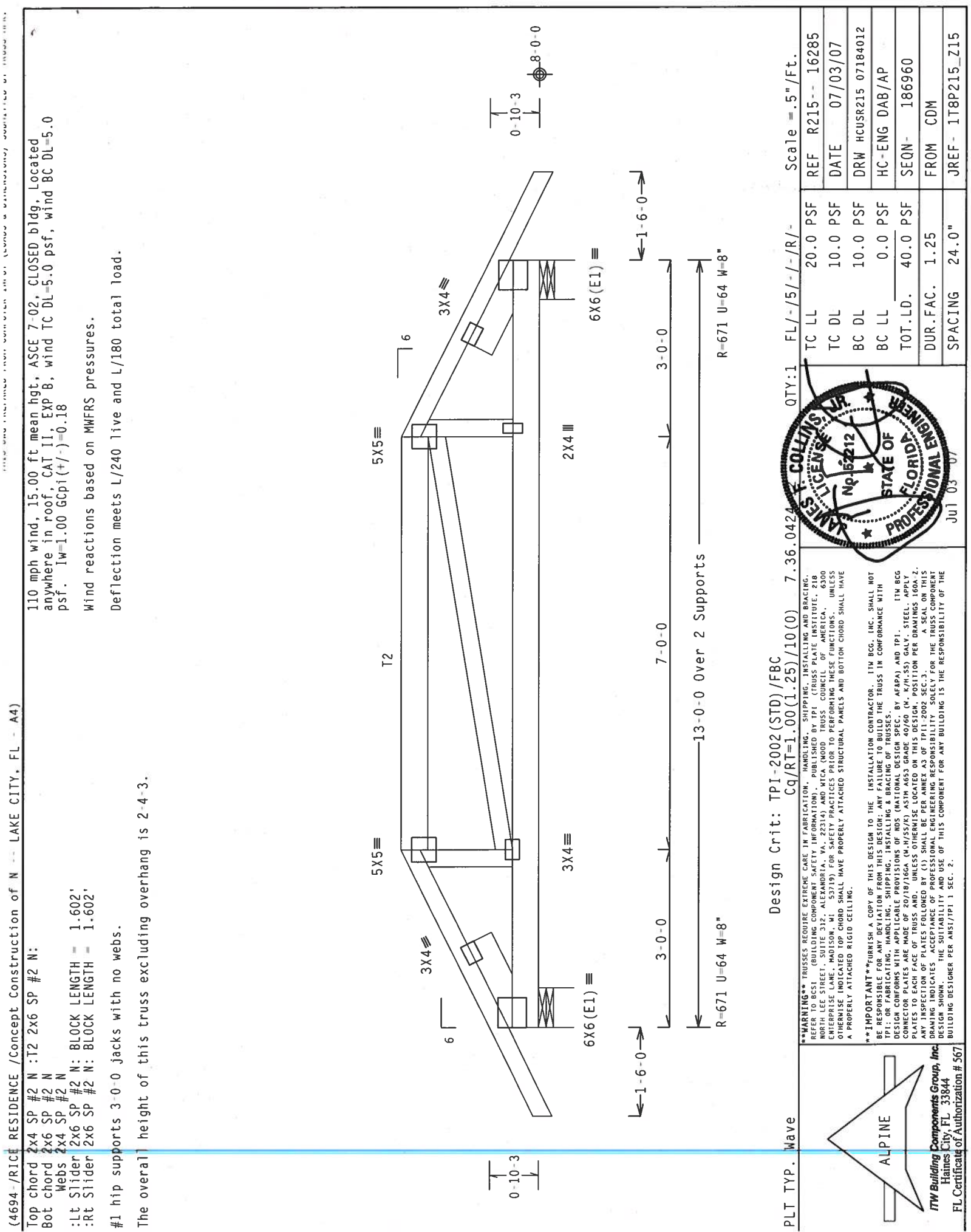
TC LL	20.0 PSF	REF	R215-- 16284
TC DL	10.0 PSF	DATE	07/03/07
BC DL	10.0 PSF	DRW	HCSR215 07184042
BC LL	0.0 PSF	HC-ENG	DAB/AP
TOT.LD.	40.0 PSF	SEQN-	187035
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T8P215_Z15



Jul 10 2007

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



(4694-RICE RESIDENCE /Concept Construction of N - LAKE CITY, FL - A4)

Top chord 2x4 SP #2 N : T2 2x6 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.602'
:Rt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.602'

#1 hip supports 3-0-0 jacks with no webs.

The overall height of this truss excluding overhang is 2-4-3.

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

Wind reactions based on MWFRS pressures.

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

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.36.0424

Scale = 5"/Ft.

PLT TYP. Wave

QTY:1 FL/-/5/-/R/-

REF R215-- 16285

DATE 07/03/07

DRW HCUSR215 07184012

HC-ENG DAB/AP

SEQN- 186960

FROM CDM

JREF- 1T8P215_Z15

FL Certificate of Authorization # 567

ITW Building Components Group, Inc.

Haines City, FL 33844

ALPINE

James Collins, Inc. Professional Engineer

FL State Seal

Professional Engineer

State of Florida

Professional Engineer

James Collins, Inc.

Professional Engineer

State of Florida

Professional Engineer

James Collins, Inc.

Professional Engineer

State of Florida

Professional Engineer

James Collins, Inc.

Professional Engineer

State of Florida

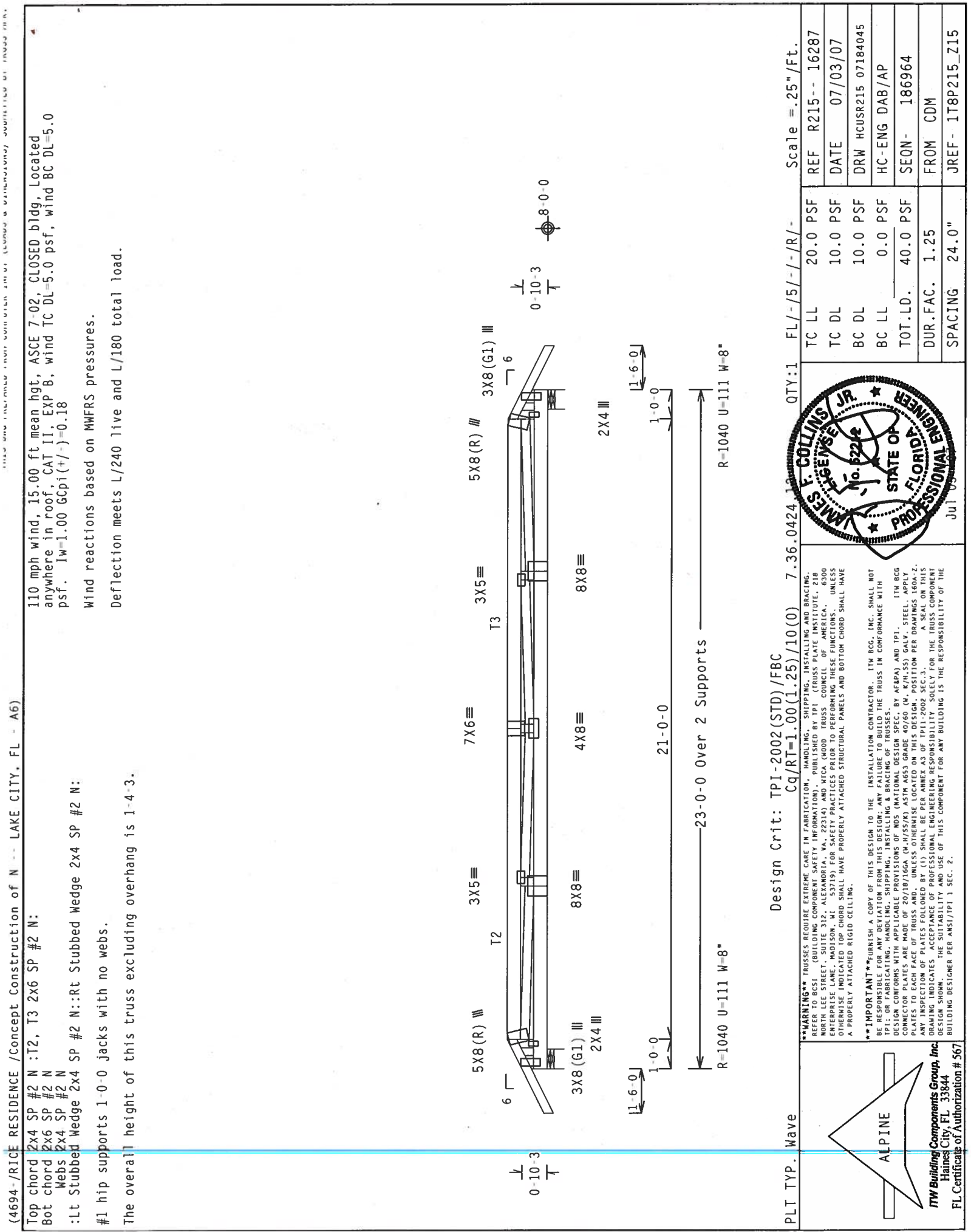
Professional Engineer

James Collins, Inc.

Professional Engineer

State of Florida

Professional Engineer



(4694- /RICE RESIDENCE /Concept Construction of N - LAKE CITY, FL - A6)

Top chord 2x4 SP #2 N :T2, T3 2x6 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N
:Lt Stubbed Wedge 2x4 SP #2 N::Rt Stubbed Wedge 2x4 SP #2 N:
#1 hip supports 1-0-0 jacks with no webs.
The overall height of this truss excluding overhang is 1-4-3.

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

PLT TYP. Wave

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

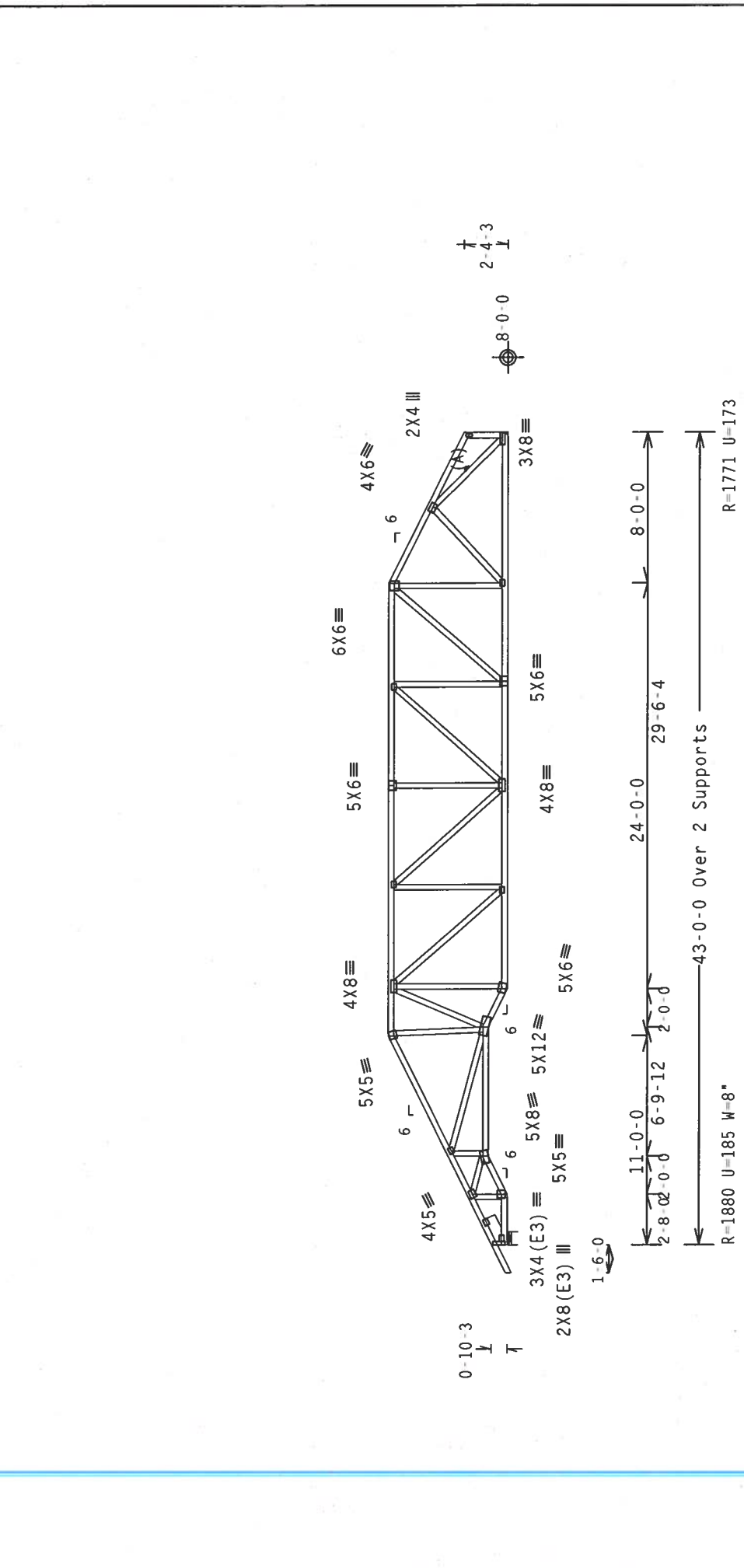
ALPINE

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		**IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/160A (M-H/SS/TK) ASTM A653 GRADE 40/60 (N. K/M-SS) GALV. STEEL. APPLY ANY INTERSECTION OF LOTS SHALL FOLLOW. UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	
TC LL	20.0 PSF	REF	R215-- 16287
TC DL	10.0 PSF	DATE	07/03/07
BC DL	10.0 PSF	DRW	HCUSR215 07184045
BC LL	0.0 PSF	HC-ENG	DAB/AP
TOT.LD.	40.0 PSF	SEQN-	186964
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T8P215_Z15

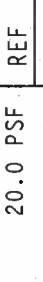
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
Wind reactions based on MWFRS pressures.
Right end vertical not exposed to wind pressure.
The overall height of this truss excluding overhang is 6-4-3.



Note: All Plates Are 3X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave


QTY: 1 **FL / - / 5 / - / R / -** **Scale = .125" / Ft.**

Cq/RT=1.00(1.25)/10(0) **7.36.0424**

REF **R215--** **16290**

DATE **07/03/07**

PSF **20.0** **PSF**

DRW **HCUSR215** **07184015**

PSF **10.0** **PSF**

HC-ENG **DAB/AP**

PSF **0.0** **PSF**

SEQN- **187172**

TOT.LD. **40.0** **PSF**

FROM **CDM**

DUR.FAC. **1.25**

JREF- **1T8P215_Z15**

SPACING **24.0"**

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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (M-H/55/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Jul 03 '07

ITW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.589'

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

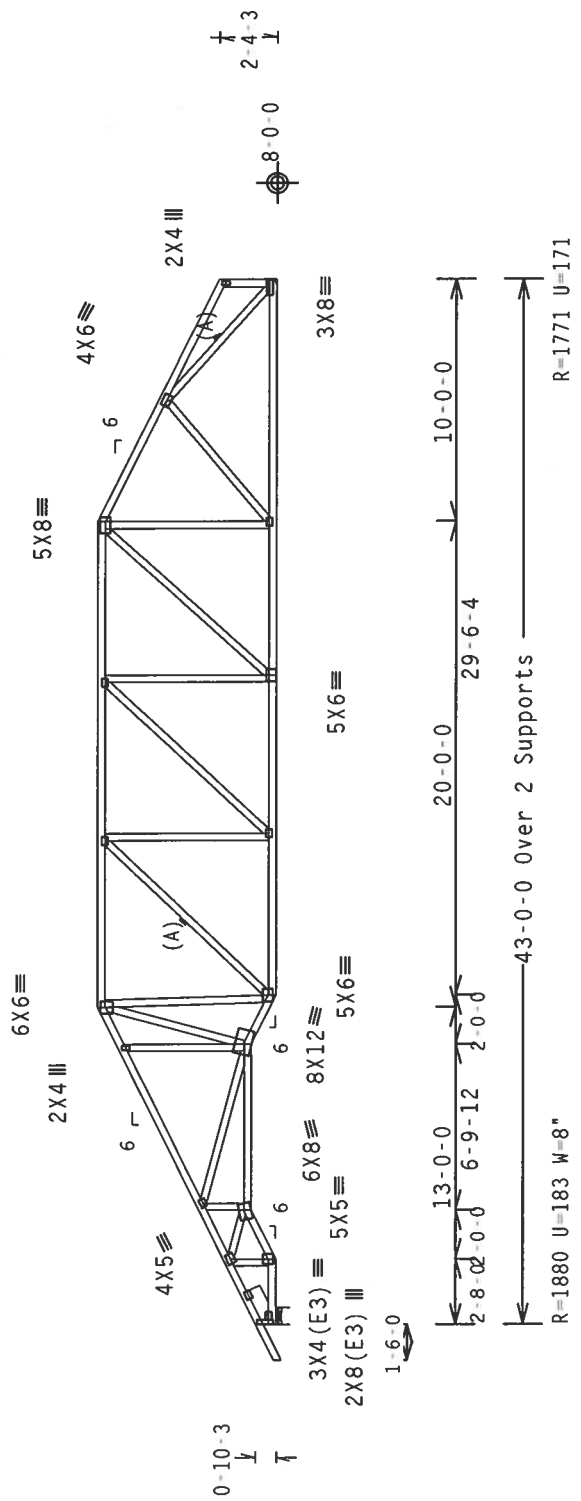
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 7-4-3.

(A) Continuous lateral bracing equally spaced on member.

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



Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cg/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

	TC LL	20.0 PSF	REF R215-- 16291
	TC DL	10.0 PSF	DATE 07/03/07
	BC DL	10.0 PSF	DRW HCUSR215 07184016
	BC LL	0.0 PSF	HC-ENG DAB/AP
	TOT.LD.	40.0 PSF	SEQN- 187176
DUR.FAC. 1.25			FROM CDM
SPACING 24.0"			JREF- 1T8P215_215

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-N/55/7K) ASTM A653 GRADE 40/60 (N. 47H-SS) GALV. STEEL. APPLY ALL APPLICABLE TRUSS MANUFACTURING AND BUILDING PRACTICES. THE DESIGNER'S RESPONSIBILITY IS TO VERIFY THE TRUSS DESIGN SHOWN, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'

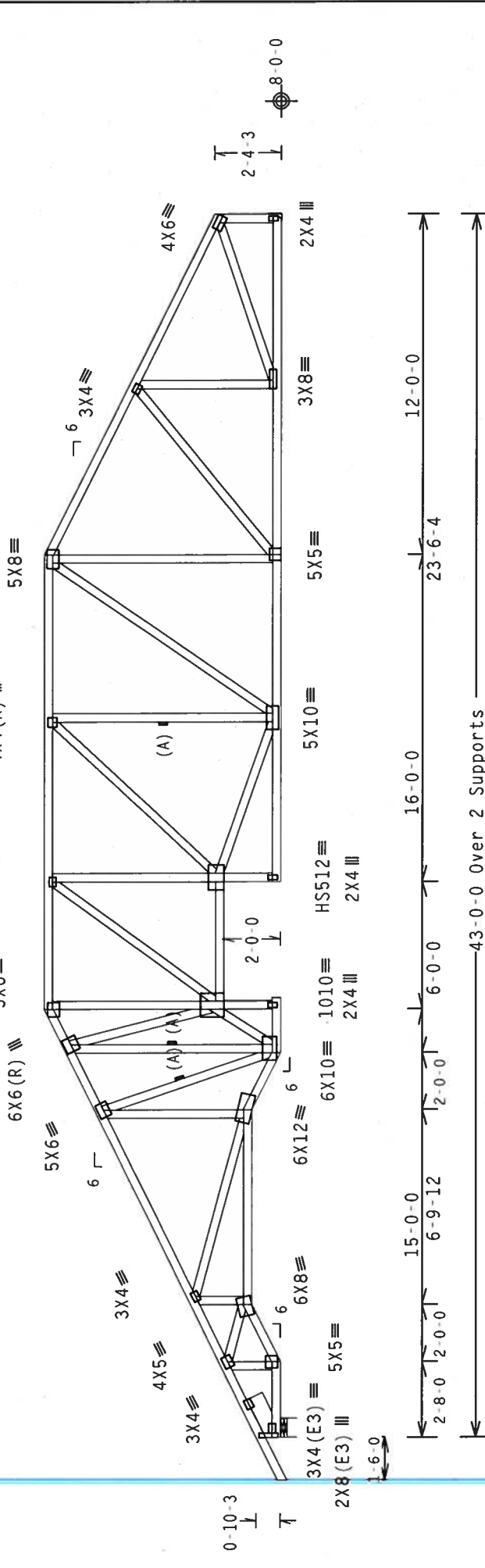
Calculated horizontal deflection is 0.19" due to live load and 0.20" due to dead load.
(A) Continuous lateral bracing equally spaced on member.
The overall height of this truss excluding overhang is 8-4-3.

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

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

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



R=1880 U=180 W=8"

R=1771 U=168

PLT TYP. 20 Gauge HS, Wave

Design Crit: TPI-2002 (STD) /FBC

QTY: 1

FL / - / 5 / - / - / R / -

Scale = .1875" / Ft.

REF R215-- 16292

DATE 07/03/07

DRW HCUSR215 07184044

HC-ENG DAB/AP

SEQN- 187180

FROM CDM

JREF- 1T8P215_Z15

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

STATE OF FLORIDA
JUL 10 2007
JAMES F. COLLINS JR.
REGISTERED PROFESSIONAL ENGINEER
NO. 12211

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. STEEL PLATES TO EACH FACE OF TRUSS AND BOTTOM CHORD SHALL BE LOCATED IN THIS DESIGN POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'

Calculated horizontal deflection is 0.17" due to live load and 0.18" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

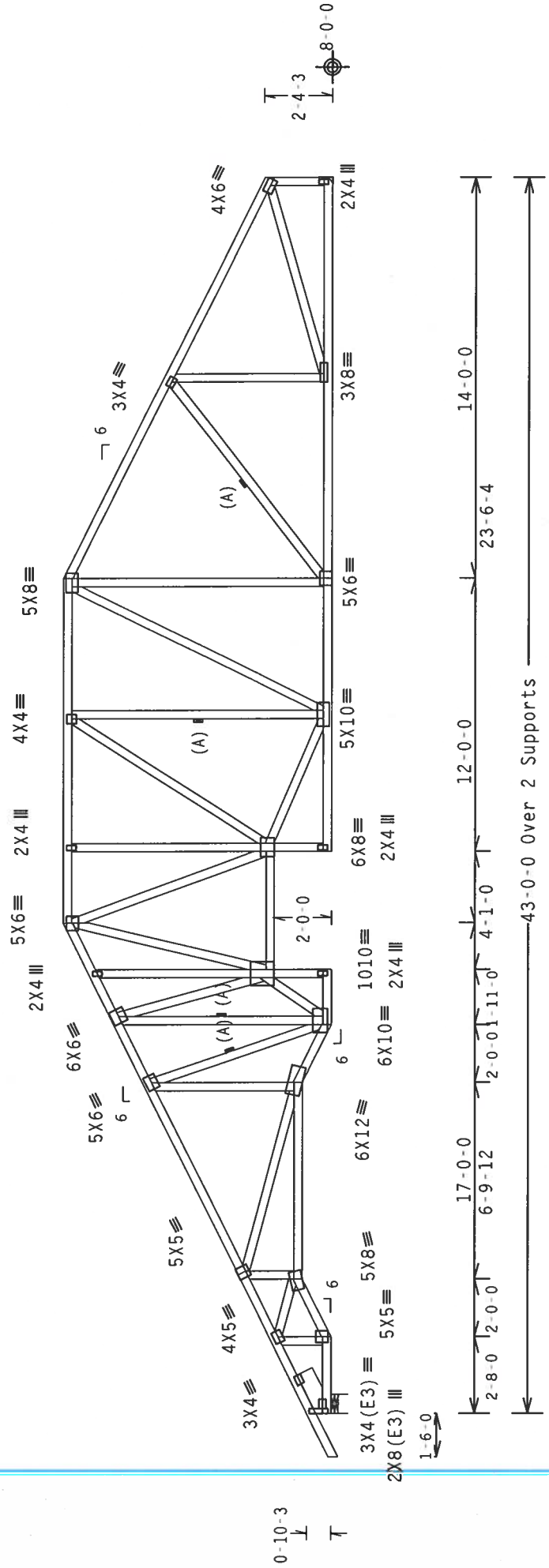
The overall height of this truss excluding overhang is 9'-4"-3."

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

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

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

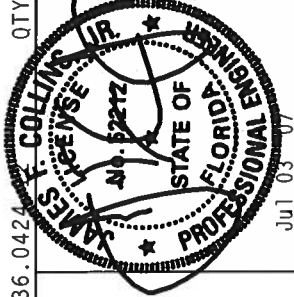


R=1880 U=178 W=8"

R=1771 U=165

Design Crit: TPI-2002(STD)/FBC

Scale = 1.875"/Ft.



PLT TYP.. Wave	QTY:1	FL/-/5/-/-/R/-	TC LL	20.0 PSF	REF	R215--	16293
			TC DL	10.0 PSF	DATE	07/03/07	
			BC DL	10.0 PSF	DRW	HCUSR215	07184017
			BC LL	0.0 PSF	HC-ENG	DAB/AP	
			TOT.LD.	40.0 PSF	SEQN-	187184	
			DUR.FAC.	1.25	FROM	CDM	
			SPACING	24.0"	JREF-	1T8P215_Z15	

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/10GA (4-M/55/5X) ASTM A653 GRADE 40/60 (M. K2H-SS) GALV. STEEL. APPLY THE FOLLOWING CONNECTION PER DRINKING WATER. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PERFORMED BY TPI 2002 SEC. 1.1.1. DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Top	chord	2x4	SP #2	N
Bot	chord	2x4	SP #2	N
	webs	2x4	SP #2	N
:Lt	Slider	2x8	SP #2	N

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

Wind reactions based on MWFRS pressures.

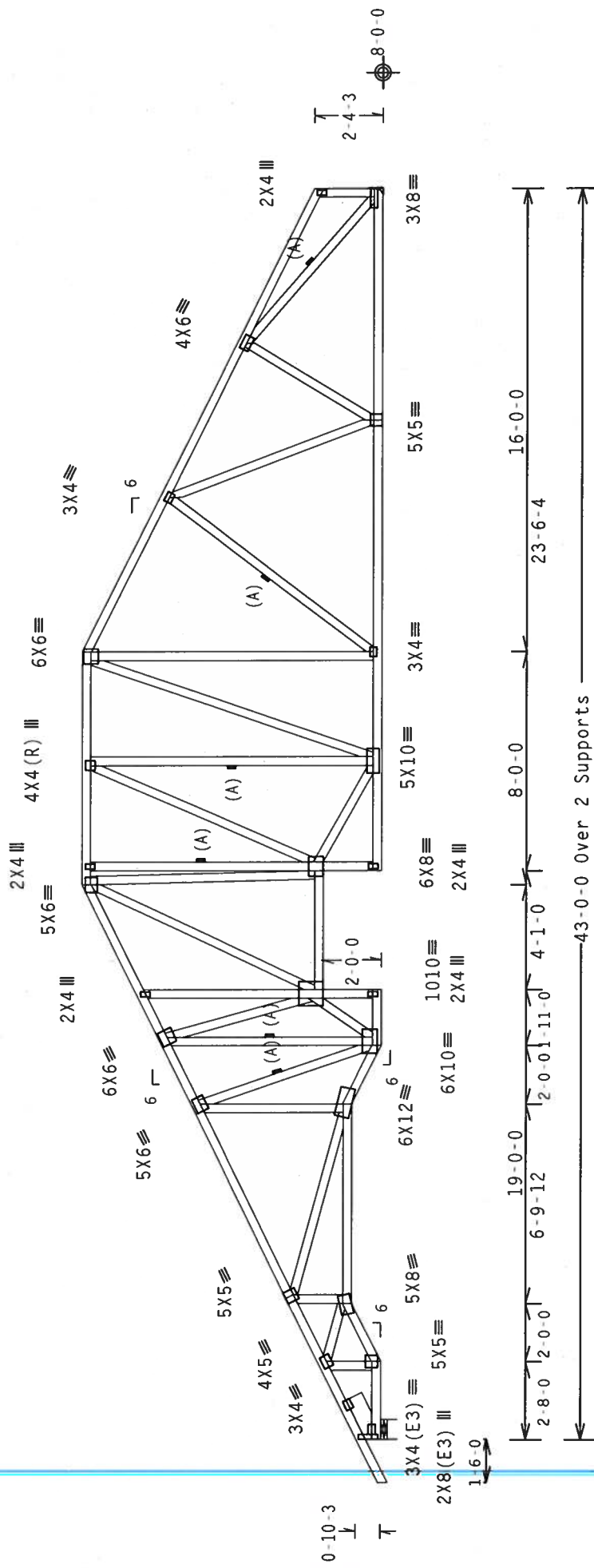
Calculated horizontal deflection is 0.19" due to live load and 0.19" due to dead load.

Right end vertical not exposed to wind pressure.

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

(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 10'-4"-3.



R=1880 U=175 W=8"

R=1771 U=163

Design Crit: TPI-2002(STD)/FBC

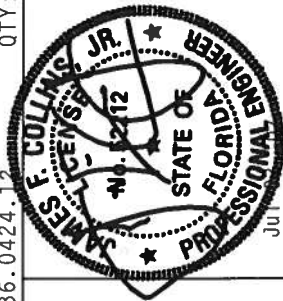
Scale = .1875"/Ft.

QTY:1 FL/-/5/-/-/R/-

 $Cq/RT=1.00(1.25)/10(0) \quad 7.36.0424.12$

PLT TYP. Wave

WARNING- TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE MANUFACTURER FOR COMPLETE DETAILS. TRUSS PANEL TYPE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LAKE, MADISON, MI 48719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

[illegible]

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

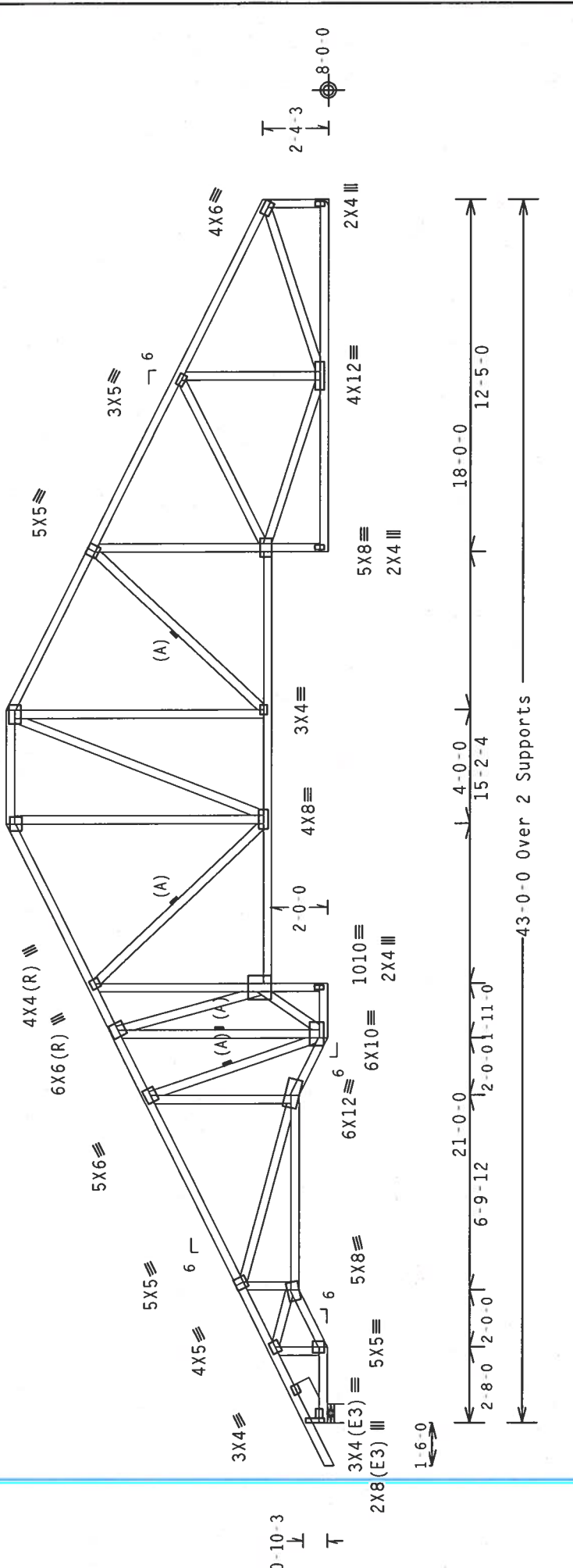
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
: Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.18
Wind reactions based on MWFRS pressures.
Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.

Calculated horizontal deflection is 0.20" due to live load and 0.21" due to dead load.

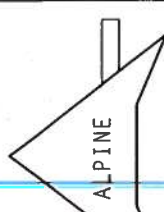
(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 11-4-3.



R=1880 U=173 W=8" R=1771 U=160

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/5/-/-/R/- Scale = .1875"/Ft.



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/5/-/-/R/- Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R215 --	16295
TC DL	10.0 PSF	DATE	07/03/07	
BC DL	10.0 PSF	DRW	HCUSR215	07184019
BC LL	0.0 PSF	HC-ENG	DAB/AP	
TOT.LD.	40.0 PSF	SEQN-	187192	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	178P215_Z15	

STATE OF FLORIDA
JAMES F. COLLINGS JR.
LICENSED PROFESSIONAL ENGINEER
No. 62212
JUL 08

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1664 (A-NY/SS/7X) ASTM A653 GRADE 40/60 (N. K7H-SS) GALV. STEEL. APPLY PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 N :T1 2x4 SP #2 Dense:

Bot chord 2x4 SP #2 N

Webs 2x4 SP #2 N

:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 2.931'

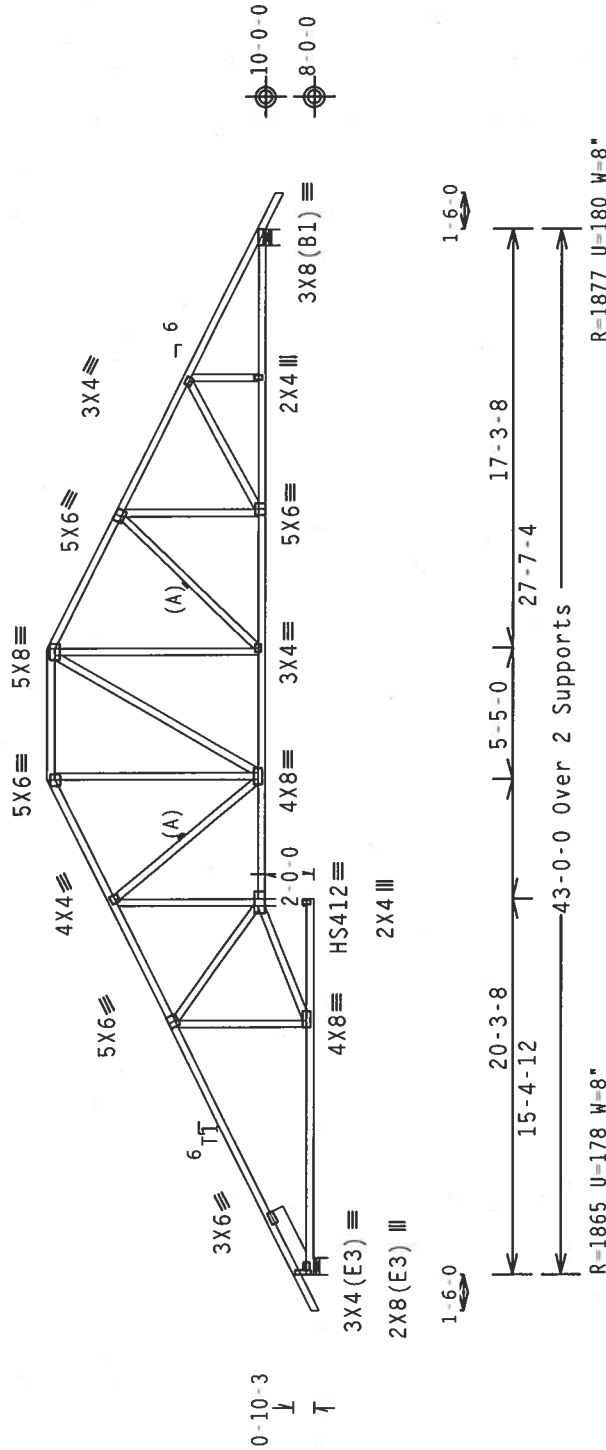
(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 10-11-15.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS, Wave

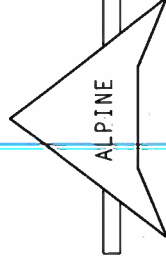
Cq/RT=1.00(1.25)/10(0)

QTY:1 FL/-/5/-/-/R/-

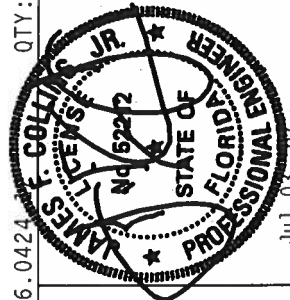
Scale =.125"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/1600 (4-H/557A) ASTM A653 GRADE 40/60 (M. K/M-SS) GALV. STEEL. APPLY PROTECTIVE COATING PER DRAWING. UNLESS OTHERWISE INDICATED, UNITS SHALL BE PER ANNEX A OF TPI-2002 SEC. 1.1. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SEC. 1.1. DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



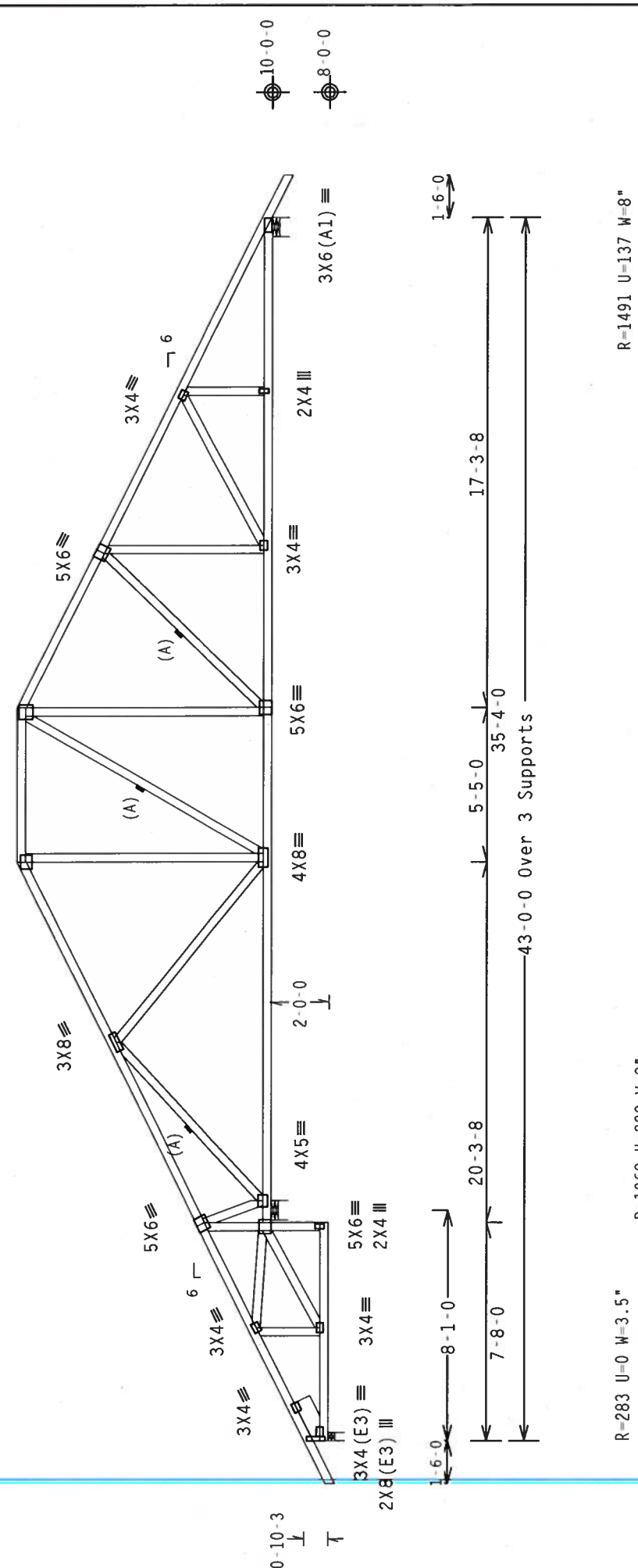
TC LL	20.0 PSF	REF	R215--	16296
TC DL	10.0 PSF	DATE	07/03/07	
BC DL	10.0 PSF	DRW	HCUSR215	07184003
BC LL	0.0 PSF	HC-ENG	DAB/AP	*
TOT.LD.	40.0 PSF	SEQN-	187123	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T8P215_Z15	

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'

(A) Continuous lateral bracing equally spaced on member.
The overall height of this truss excluding overhang is 10-11-15.

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

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



R=283 U=0 W=3.5" R=1968 U=222 W=8" R=1491 U=137 W=8"

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424.12

Scale = .1875"/Ft.

QTY:3

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF R215-- 16297
DATE 07/03/07
DRW HCUSR215 07184020
HC-ENG DAB/AP
SEQN- 187119
FROM CDM
JREF- 1T8P215.Z15

Top chord	2x4	SP	#2	N
Bot chord	2x4	SP	#2	N
webs	2x4	SP	#2	N

:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'

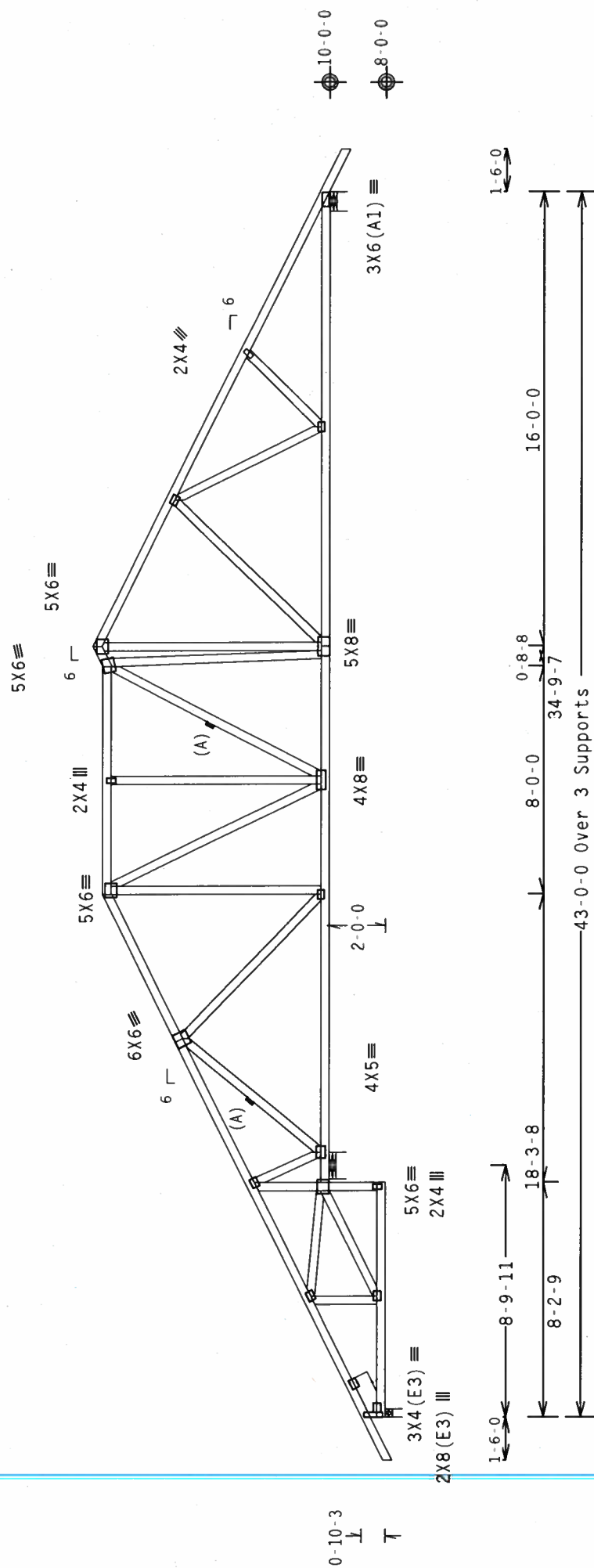
(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 10-4-3.

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

Wind reactions based on MWFRS pressures.

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



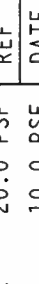
R=246 II=0 W=3 5"

R=2066 U=229 W=11.314"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP: Wave



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authority # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BGCI (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 EISENHOWER MONITORING ROAD, SUITE 53715) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFICALLY STATED, ALL SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THIS DESIGN OR THE TRUSS IN CONFORMANCE WITH TPI'S OR FABRICATING, HANDLING, SHIPPING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEP) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/55KS) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A.3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. LULLAND JR.
SALES LICENSE # 219
No 62212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Jul 03 '07

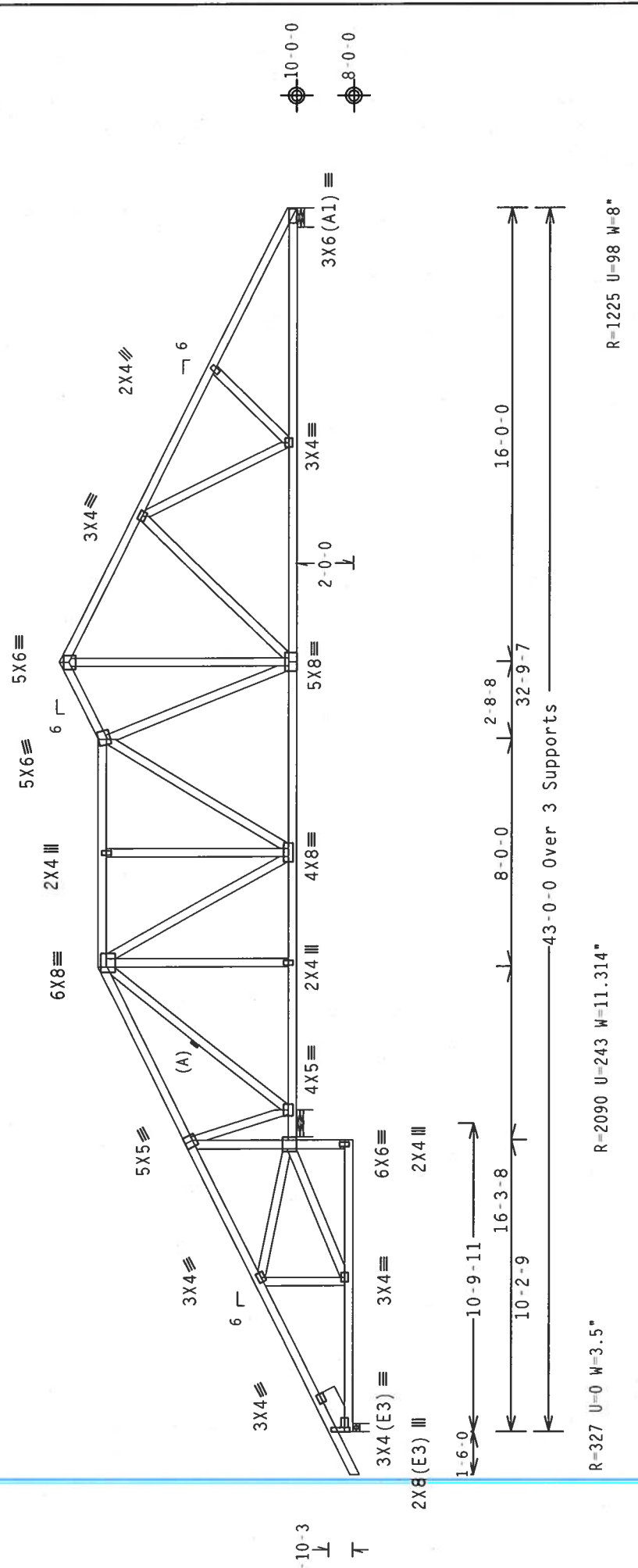
REF	R215 --	16298	TC LL	20.0	PSF
DATE	07/03/07		TC DL	10.0	PSF
DRW	HCUSR215	07184021	BC DL	10.0	PSF
	HC-ENG DAB/AP		BC LL	0.0	PSF
	SEQN-	187114	TOT.LD.	40.0	PSF
	FROM	CDM	DUR.FAC.	1.25	
	JREF-	1T8P215_Z15	SPACING	24.0"	

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'

(A) Continuous lateral bracing equally spaced on member.
The overall height of this truss excluding overhang is 10-4-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

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

Scale = 1875"/Ft.

QTY:1 FL/-/5/-/-/R/-

TC LL	20.0 PSF	REF R215-- 16299
TC DL	10.0 PSF	DATE 07/03/07
BC DL	10.0 PSF	DRW HCUSR215 07184022
BC LL	0.0 PSF	HC-ENG DAB/AP
TOT.LD.	40.0 PSF	SEQN- 187109
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T8P215_Z15

ALPINE

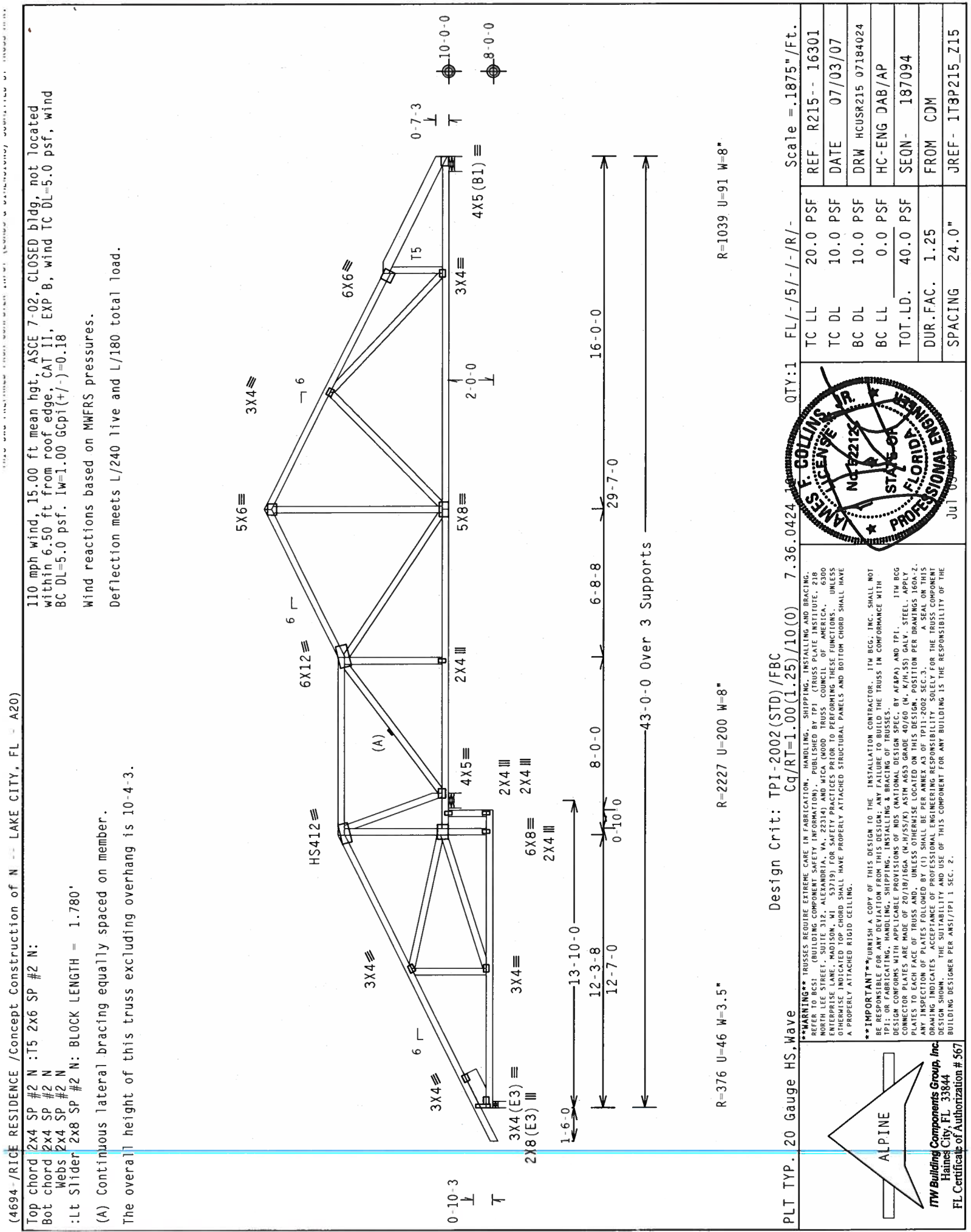
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS
No 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Jul 03 07

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2017/1606 (4-N/55/7K) ASTH A653 GRADE 40/60 (N. KYN-SS) GALV. STEEL. APPLY ALL INSTRUCTIONS ON PLATES. BRACING SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN. DESIGNER'S RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(4694-IRICE RESIDENCE /Concept Construction of N - LAKE CITY, FL - A20)

Top chord 2x4 SP #2 N :T5 2x6 SP #2 N:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.780'

(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 10-4-3.

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

Wind reactions based on MWFRS pressures.

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

R=376 U=46 W=3.5"

R=2227 U=200 W=8"

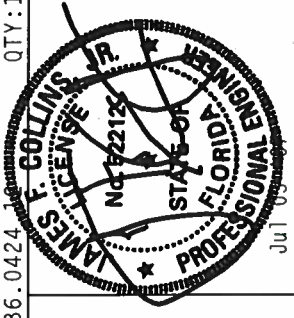
R=1039 U=91 W=8"

Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

QTY:1 FL/-/5/-/-/R/-

TC LL	20.0 PSF	REF R215-- 16301
TC DL	10.0 PSF	DATE 07/03/07
BC DL	10.0 PSF	DRW HCUSR215 07184024
BC LL	0.0 PSF	HC-ENG DAB/AP
TOT.LD.	40.0 PSF	SEQN- 187094
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T8P215.Z15



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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2017/1604 (M-H/SS/7K) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF ALL TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 Dense :T3, T4 2x4 SP #2 N:

:T5 2x6 SP #2 N:

Bot chord 2x4 SP #2 N

Web 2x4 SP #2 N

:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 2.980'

Calculated horizontal deflection is 0.20" due to live load and 0.21" due to dead load.

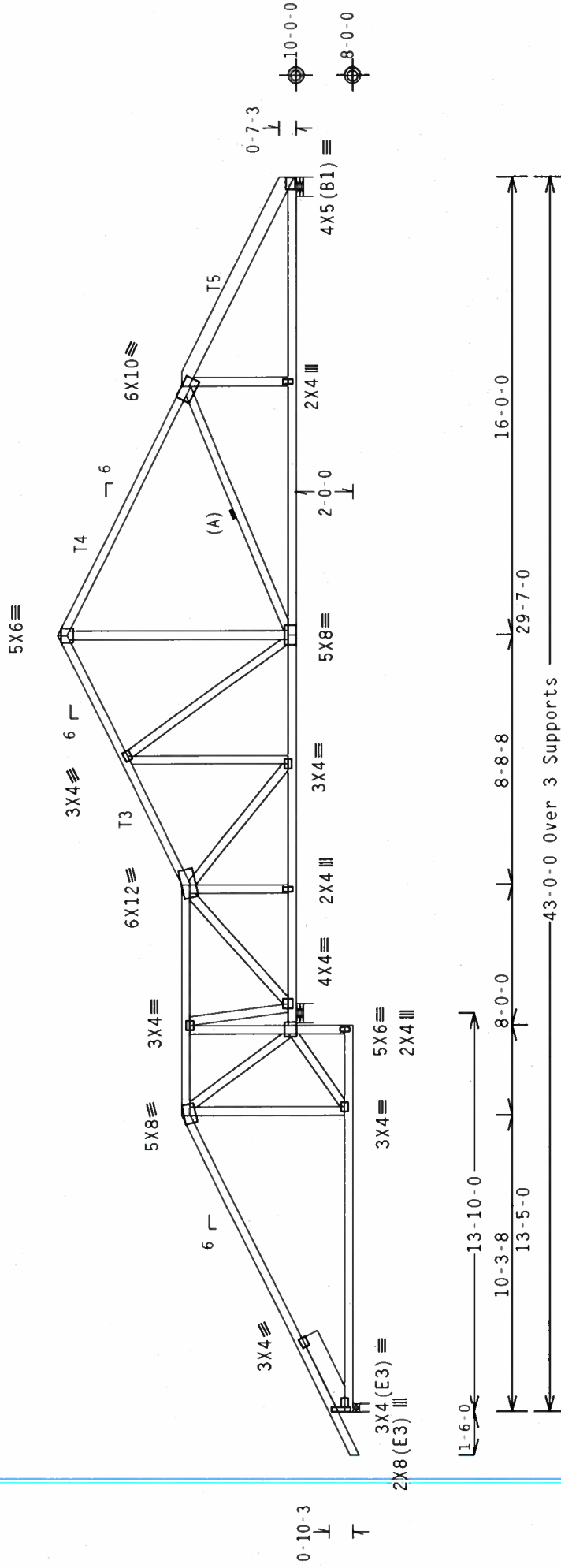
The overall height of this truss excluding overhang is 10-4-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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



R-561 U=80 W=3.5"

R-1950 U=150 W=8"

R=1130 U=107 W=8"

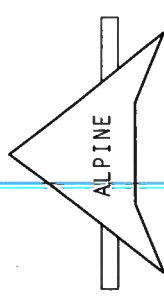
Design Crit: TPI-2002 (STD) /FBC

PLT TYP. Wave QTY: 1 FL/-/5/-/-/R/- Scale = .1875"/Ft.

	TC LL 20.0 PSF		REF R215-- 16302
	TC DL 10.0 PSF		DATE 07/03/07
	BC DL 10.0 PSF		DRW HCUSR215 07184025
	BC LL 0.0 PSF		HC-ENG DAB/AP
	TOT.LD. 40.0 PSF		SEQN- 187089
	DUR.FAC. 1.25		FROM CDM
SPACING 24.0"		JREF- 1T8P215_Z15	

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. THE TRUSS SHALL BE DESIGNED TO CONFORM WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. STEEL CONNECTIONS SHALL BE DESIGNED TO CONFORM WITH AISC 360-10. UNLESS OTHERWISE INDICATED ON THIS DESIGN PER DRAMING 1004-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEA A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

```

:lt Slider 2x8 SP #2 N: BLOCK LENGTH = 2.421'

```

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

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



Scale = .1875"/ft.

REF	R215--	16303
DATE	07/03/07	

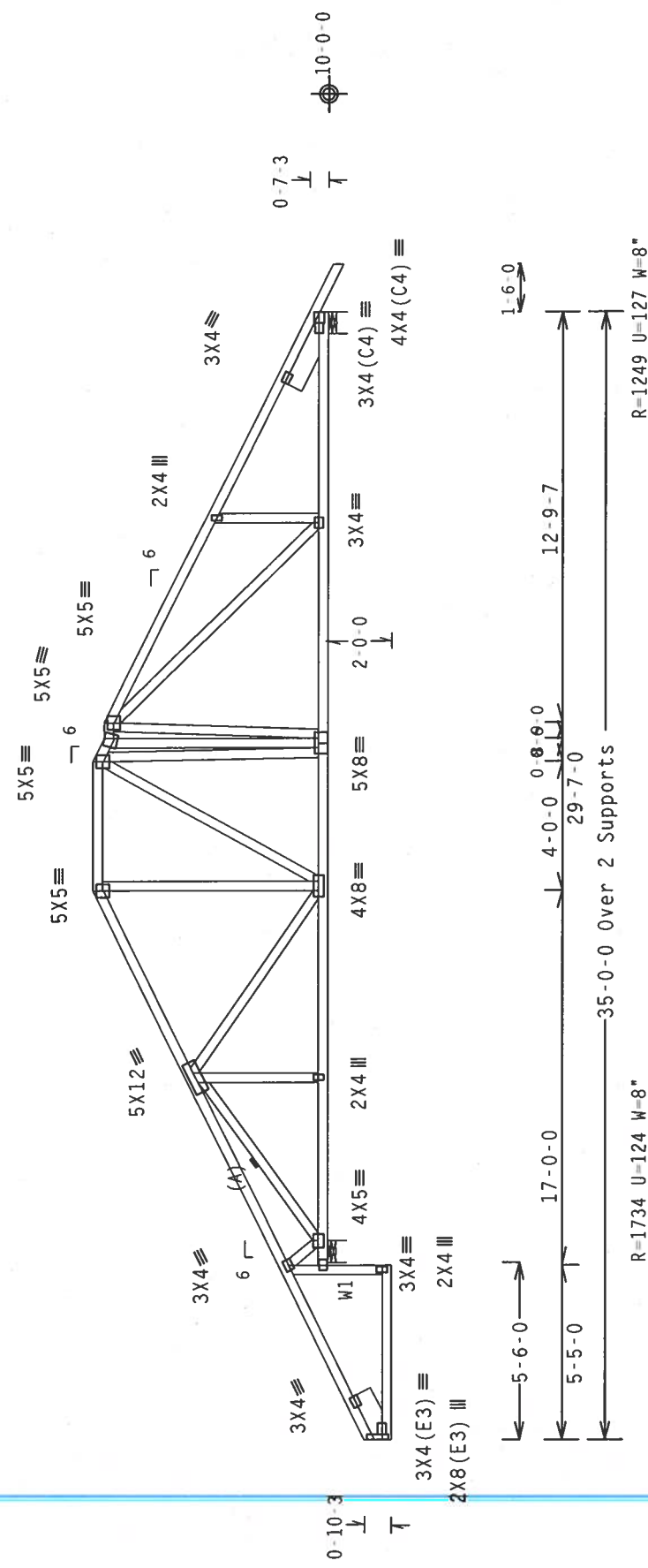
10.0 PSF	HC-ENG DAB/AP	FROM CDM
0.0 PSF	SEQN- 187085	
40.0 PSF		
40.0 PSF		
1.25		
24.0"		



Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W1 2x4 SP #2 Dense:
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'
:Rt Slider 2x8 SP #2 N: BLOCK LENGTH = 2.417'

Calculated horizontal deflection is 0.13" due to live load and 0.13" due to dead load.
The overall height of this truss excluding overhang is 9-4-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18
Wind reactions based on MMFRS pressures.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY:1	FL/-/5/-/R/-	Scale =.1875"/Ft.
	TC LL	20.0 PSF	REF R215 -- 16305
	TC DL	10.0 PSF	DATE 07/03/07
	BC DL	10.0 PSF	DRW HCUSR215 07184027
	BC LL	0.0 PSF	HC-ENG DAB/AP
	TOT.LD.	40.0 PSF	SEQN- 187068
	DUR.FAC.	1.25	FROM CDM
SPACING 24.0"			JREF- 1T8P215_Z15

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (0.0155/16) ASTM A653 GRADE 40/60 (N. K7N-SS) GALV. STEEL. APPLY PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRWING. DETAILS OF TRUSS OR PLATES SHALL BE SHOWN. UNLESS OTHERWISE SHOWN, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: W1 2x4 SP #2 Dense:
:Rt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'
:Rt Slider 2x8 SP #2 N: BLOCK LENGTH = 2.417'

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcp1(+/-)=0.18

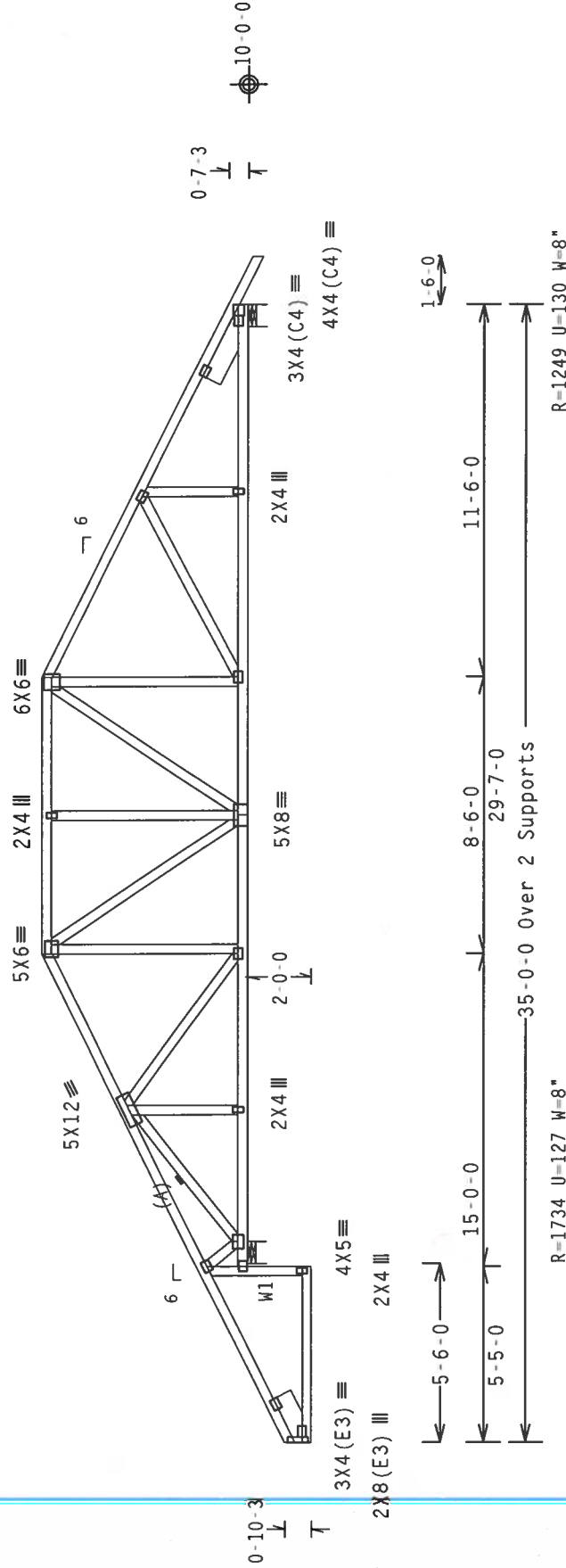
Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.13" due to live load and 0.13" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8-4-3.

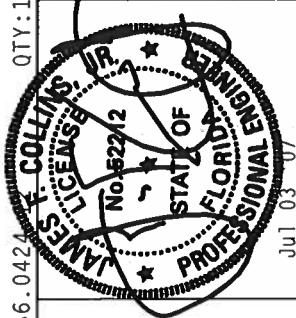


Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

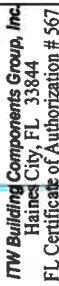
 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		TC LL	20.0 PSF	REF	R215--	16306		
	IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/SS/7X) ASTM A653 GRADE 40/60 (N. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.		TC DL	10.0 PSF	DATE	07/03/07			
			BC DL	10.0 PSF	DRW	HCUSR215	07184028		
			BC LL	0.0 PSF	HC-ENG	DAB/AP			
			TOT.LD.	40.0 PSF	SEQN-	187064			
			DUR.FAC.	1.25	FROM	CDM			
			SPACING	24.0"	JREF-	1T8P215_Z15			



The overall height of this truss excluding overhang is 7'-4" 3.



The overall height of this truss excluding overhang is 6'-4" 3.



Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 2.619'

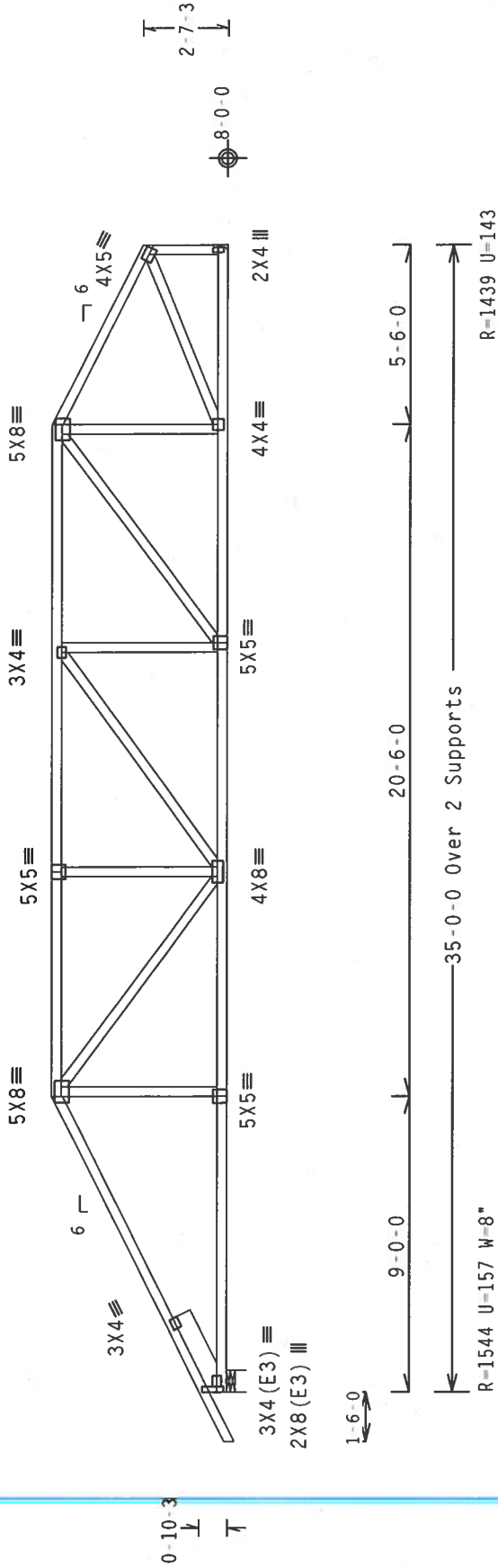
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 5-4-3.

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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002 (STD)/FBC

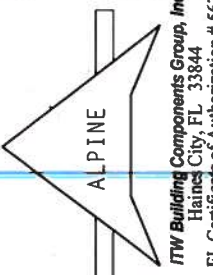
PLT TYP. Wave	QTY:1	FL/-/5/-/-/R/-	Scale = .1875"/Ft.
REF R215--	16309	TC LL	20.0 PSF
DATE	07/03/07	TC DL	10.0 PSF
DRW	HCUSR215 07184031	BC DL	10.0 PSF
HC-ENG DAB/AP		BC LL	0.0 PSF
SEQN-	187051	TOT.LD.	40.0 PSF
FROM	CDM	DUR.FAC.	1.25
JREF-	1T8P215_Z15	SPACING	24.0"



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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (N.H/SS/K) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED PROCEEDING TO THE NEXT STEP IN THE DESIGN PROCESS. A SEAL ON THIS DESIGN SHALL BE PERMITTED FOR THE INSTALLATION CONTRACTOR OR THE INSTALLATION CONTRACTOR'S BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



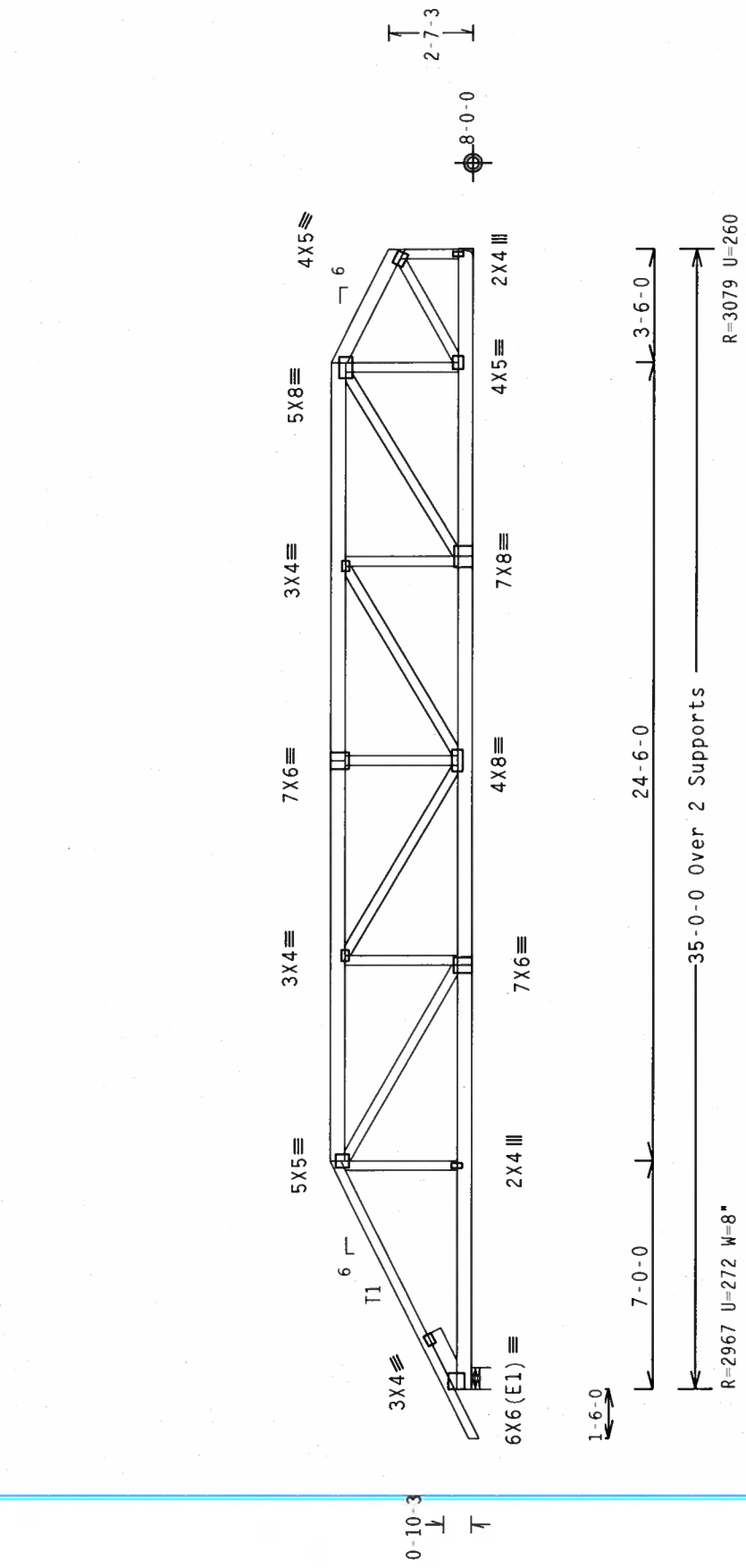
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

2 COMPLETE TRUSSES REQUIRED

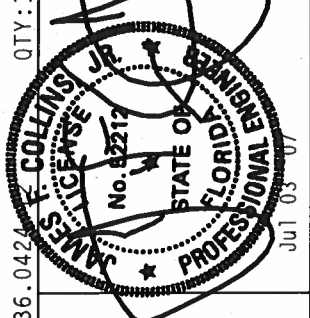
Nailing Schedule: (10d_Box_or_Gun_0.128"x3",min.)_nails)
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 1 Row @12.00" o.c.
 Webs : 1 Row @ 4" o.c.
 Use equal spacing between rows and stagger nails
 in each row to avoid splitting.

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4-4-3.

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

FL/-/5/-/-/R/-		Scale = .1875"/Ft.	
TC LL	20.0 PSF	REF	R215-- 16310
TC DL	10.0 PSF	DATE	07/03/07
BC DL	10.0 PSF	DRW	HCUSR215 07184032
BC LL	0.0 PSF	HC-ENG	DAB/AP
TOT.LD.	40.0 PSF	SEQN-	186956
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T8P215.Z15



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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITR BCG CONNECTOR PLATES ARE MADE OF 2018/16GA. (W/H.55/K) ASTM A653 GRADE 40/60 (W.4/H.55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 560

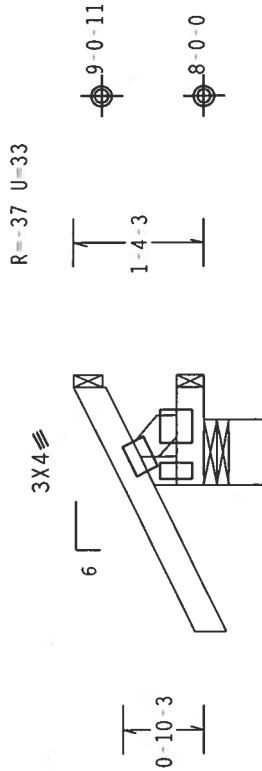
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MMFRS pressures.

The overall height of this truss excluding overhang is 14'-3".

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

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



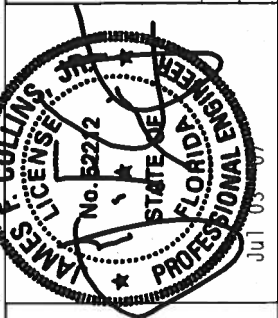
2X4 4X4 R-3 U-12

← 1'-6'-0" →
1'-0'-0" Over 3 Supports
R=217 U=30 W=8"

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

QTY:10 FL/-5/-/-/R/- Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R215-- 16311
TC DL	10.0 PSF	DATE	07/03/07
BC DL	10.0 PSF	DRW	HCUSR215 07184033
BC LL	0.0 PSF	HC-ENG	DAB/AP
TOT.LD.	40.0 PSF	SEQN-	187003
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T8P215_Z15



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/SS/K) ASTM A653 GRADE 40/60 (M, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

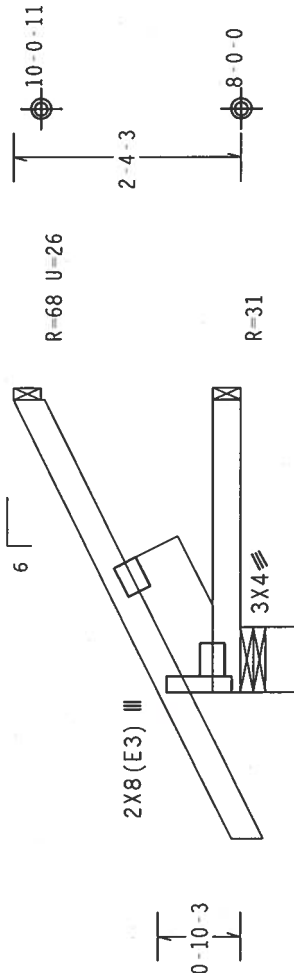
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 2-4-3.

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

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



3X4 (E3) =

1-6-0
3-0-0 Over 3 Supports
R=249 U=19 W=8"

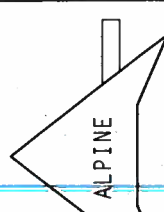
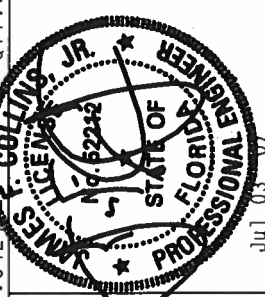
Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0)

PLT TYP. Wave

QTY: 6

FL/-/5/-/-/R/-

Scale = .5"/Ft.

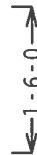
 ALPINE ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567				TC LL	20.0 PSF	REF R215-- 16312
				TC DL	10.0 PSF	DATE 07/03/07
				BC DL	10.0 PSF	DRW HCUSR215 07184004
				BC LL	0.0 PSF	HC-ENG DAB/AP *
				TOT.LD.	40.0 PSF	SEQN- 187000
				DUR.FAC.	1.25	FROM CDM
				SPACING	24.0"	JREF- 1T8P215_Z15

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/25/3K) ASTM A653 GRADE 40/60 (IN. K/H/SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI. ITW BCG SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

11110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+) = -0.18

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



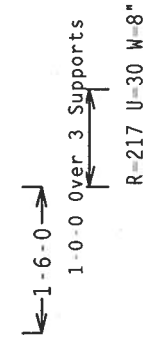
5-0-0 Over 3 Supports

Design Crit: TPI-2002(STD)/FBC

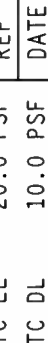
QTY: 6 FL / - / 5 / - / - / R / - Scale = .5" / Ft.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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



7.36.0424.12 QTY:13 FL/-/5/-/-/R/- Scale =.5"/Ft.



TC LL	20.0	PSF	REF R215 -	16314
TC DL	10.0	PSF	DATE	07/03/07
BC DL	10.0	PSF	DRW	HCUR215 07184034
BC LL	0.0	PSF	HC-ENG	DAB/AP
TOT.LD.	40.0	PSF	SEQN-	187009
DUR.FAC.	1.25		FROM	COM
SPACING	24.0"		JREF-	178P215_215

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI TRUSS DESIGNING FOR TRUSS DESIGN INFORMATION. (PUBLISHED BY BCSI, (TRUSS PLATE INSTITUTE, 218 ENTERPRISE LANE, MADISON, AL 35219), ALUMINUM TRUSS DESIGNING, 312, ALUMINUM TRUSS INSTITUTE, 312, ENTERPRISE LANE, MADISON, AL 35219) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THIS DESIGN OR THE TRUSS IN CONFORMANCE WITH THE PROVISIONS OF THE DESIGNING FOR TRUSS DESIGNING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEP) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/T16GA (N.Y.S.S.K.) ASTM A653 GRADE 40/60 (N.Y.H.S.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



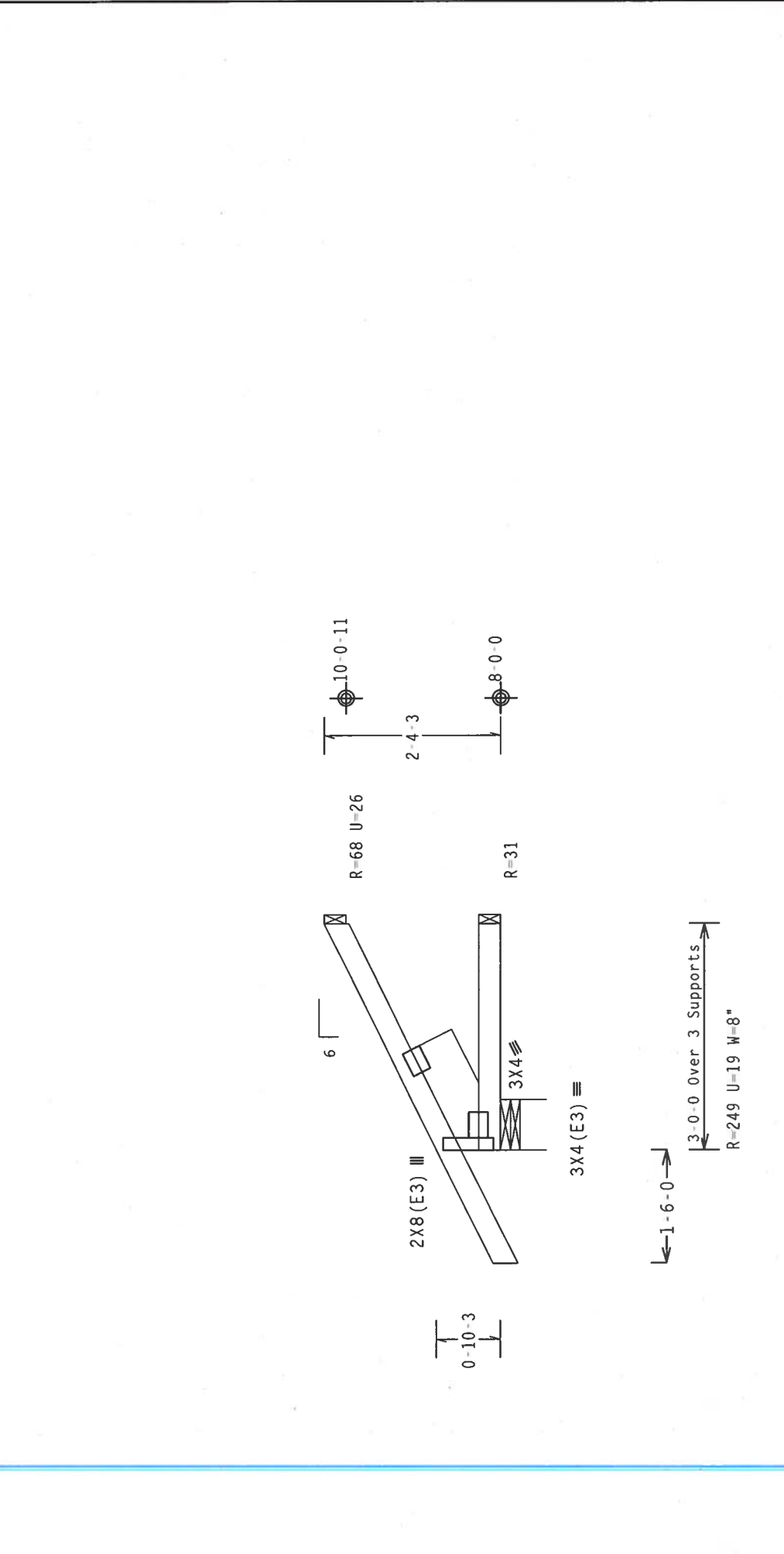
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

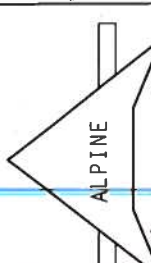
(4694-)/RICE RESIDENCE /Concept Construction of N -- LAKE CITY, FL - JE3)

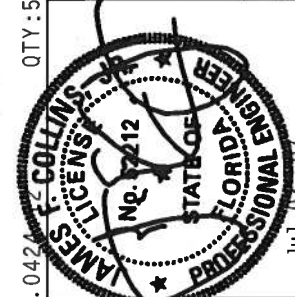
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
: Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.590'
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.

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

The overall height of this truss excluding overhang is 2-4-3.



PLT TYP. Wave		Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)		7.36.0424	QTY:5	FL/-/5/-/-/R/-	Scale =.5"/Ft.
 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567		**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI : OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFSPA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W./55/K) ASTM A653 GRADE 40/60 (N. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. INDICATIONS OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SPECIFIES THE DESIGNER'S KNOWLEDGE AND ASSUMES THE DESIGNER'S SOLELY FOR THE TRUSS COMPONENT DESIGN, SHOWING THE SUITABILITY OF AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.					
		TC LL	20.0 PSF	REF	R215 -	16315	
		TC DL	10.0 PSF	DATE	07/03/07		
		BC DL	10.0 PSF	DRW	HCUSR215	07184006	
		BC LL	0.0 PSF	HC-ENG	DAB/AP	*	
		TOT.LD.	40.0 PSF	SEQN-	187006		
		DUR.FAC.	1.25	FROM	CDM		
		SPACING	24.0"	JREF-	1T8P215_Z15		
		JUL 03 07					

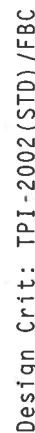


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/SS/K) ASTM A653 GRADE 40760 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TOP CHORD AND BOTTOM CHORD. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN INCHES. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

The overall height of this truss excluding overhang is 3-3-7.



OTY:1 EI / - / 5 / - / - / R / - / -

Scale = 5"/Ft.

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

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

DESIGN COMPLETION WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 20/16/10GA (L-HY55/57A) ASTM A653 GRADE 40/60 (M. K/H-S5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. DESIGNATION OF CONNECTION PLATES SHALL BE 20/16/10GA (L-HY55/57A) ASTM A653 GRADE 40/60 (M. K/H-S5) GALV. STEEL. ON THIS DRAWING, UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844

Fl. Certificate of Authorization # 567

TC LL	20.0	PSF	REF	R215 - -	16316
TC DL	10.0	PSF	DATE	07/03/07	
BC DL	10.0	PSF	DRW	HCUSR215	07184007
BC LL	0.0	PSF	HC-ENG	DAB/AP	*
TOT.LD.	40.0	PSF	SEQN-	187021	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T8P215	Z15

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

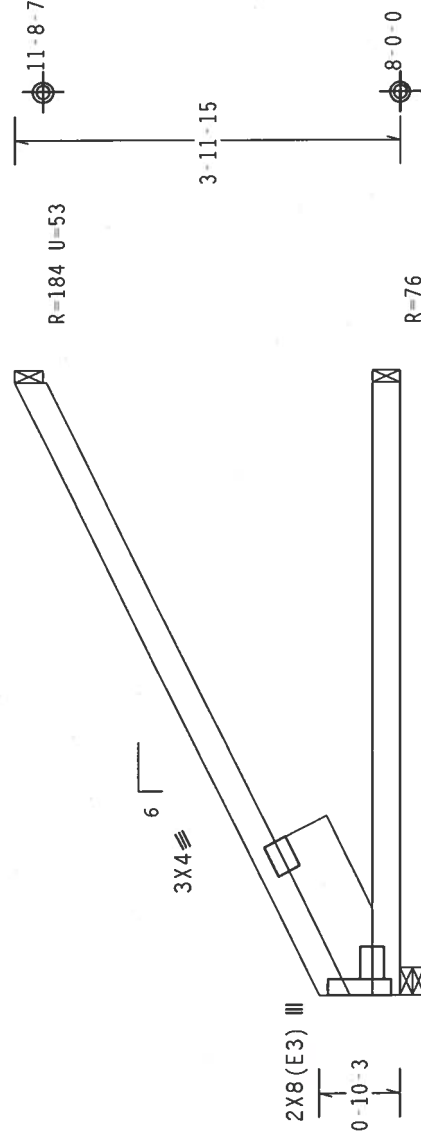
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.862'

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

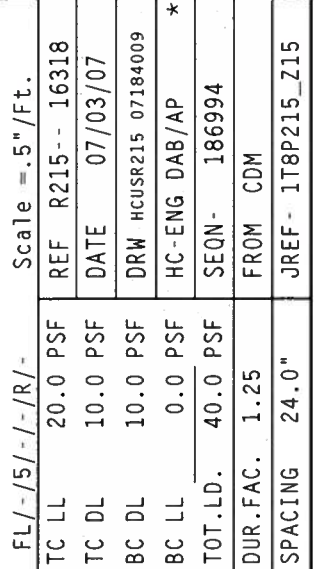
Wind reactions based on MWFRS pressures.

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

The overall height of this truss excluding overhang is 3-11-15.



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

PLT TYP. Wave	QTY:1	FL/-/5/-/-/R/-	Scale = .5"/Ft.	
			REF	R215-- 16318
	TC LL	20.0 PSF	DATE	07/03/07
	TC DL	10.0 PSF	DRW	HCUSR215 07184009
	BC DL	10.0 PSF	HC-ENG	DAB/AP *
	BC LL	0.0 PSF	SEQN-	186994
	TOT.LD.	40.0 PSF	FROM	CDM
DUR.FAC.		1.25	JREF-	1T8P215_Z15
SPACING		24.0"		

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (M. K/H/SS) GALV. STEEL. APPLY PLATING INSPECTION REQUIREMENTS FOLLOWED BY TPI. UNLESS OTHERWISE INDICATED ON DRAWINGS, ALL DIMENSIONS SHALL BE IN INCHES. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

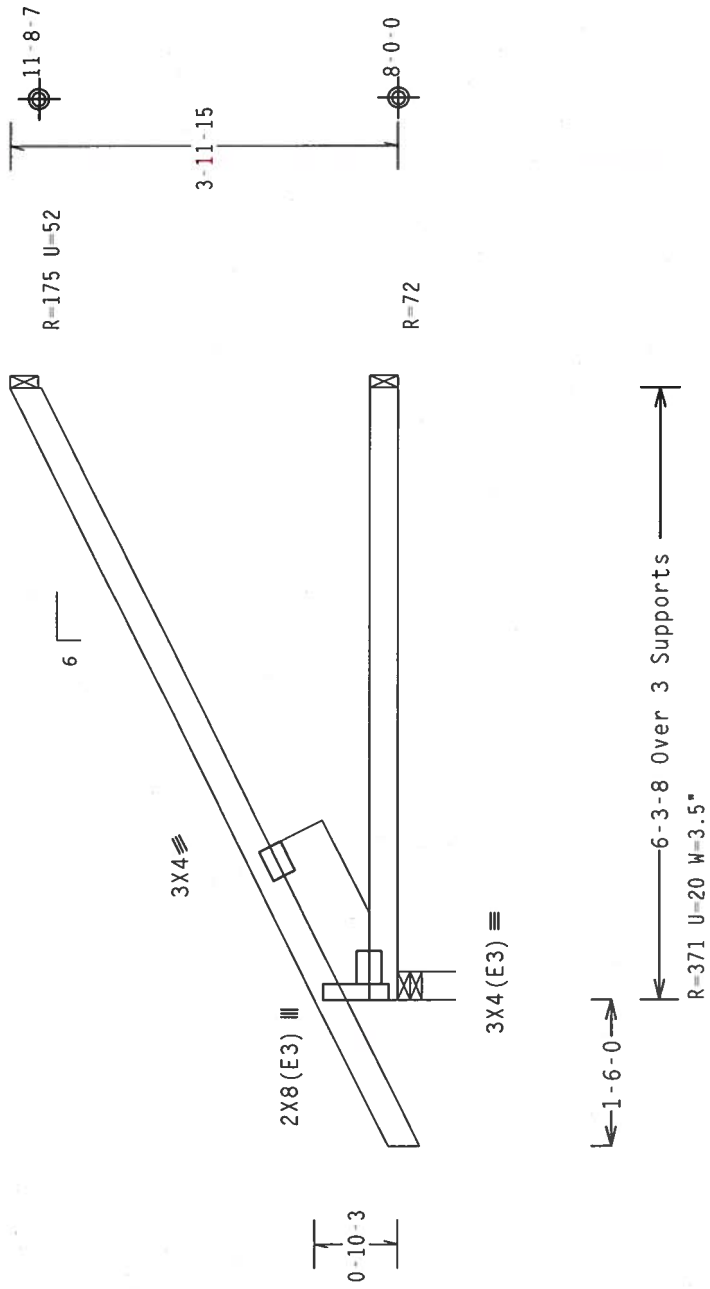
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.862'

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3-11-15.

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

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

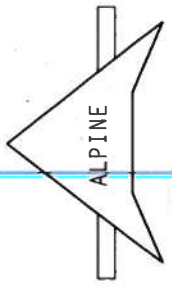


Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

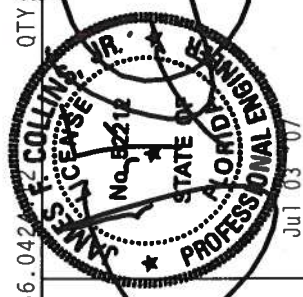
PLT TYP. Wave	QTY:1	FL/-/5/-/-/R/-	Scale = .5"/Ft.
REF R215-- 16319	TC LL	20.0 PSF	
DATE 07/03/07	TC DL	10.0 PSF	
DRW HCUSR215 07184010	BC DL	10.0 PSF	
HC-ENG DAB/AP *	BC LL	0.0 PSF	
SEQN- 186991	TOT.LD.	40.0 PSF	
FROM CDM	DUR.FAC.	1.25	
JREF- 1T8P215_215	SPACING	24.0"	

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR APPROPRIATE HANDLING, SHIPPING, INSTALLING AND BRACING INSTRUCTIONS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. CONNECTOR PLATES ARE MADE OF 2018/160A (N 4/25/16) ASTM A653 GRADE 40/60 (N 4/25/16) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 5671



Jul 03 07

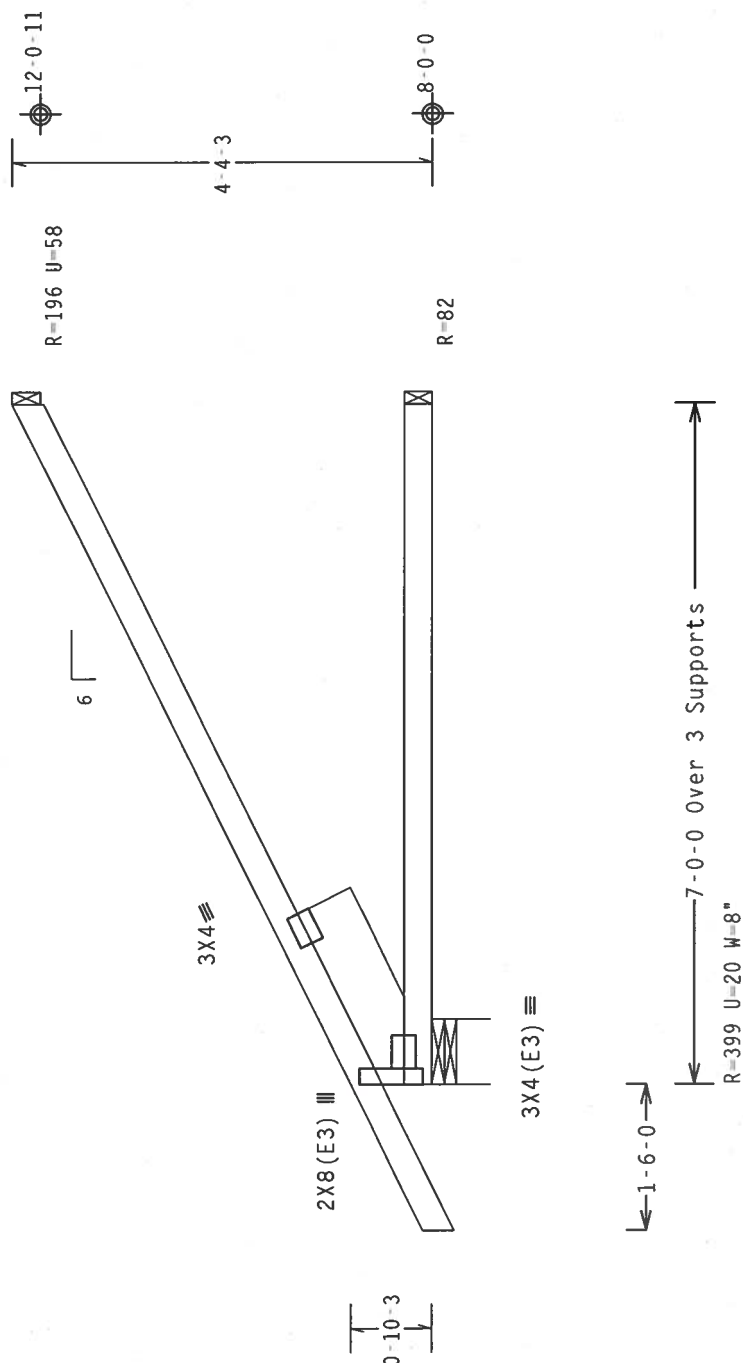
Top chord 2x4 SP #2 N
3ot chord 2x4 SP #2 N
Lt Slider 2x8 SP #2 N

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

wind reactions based on MWFRS pressures.

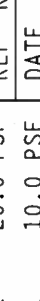
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4-4-3.



Design Crit: TPI-2002(STD)/FBC

QTY: 30 FL / - / 5 / - / - / R / -
Scale = .5" / Ft.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE

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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 20/18/16GA (W./M/SS/K) ASTM A653 GRADE 40/660 (M. K/M/SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC. 2. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/TPI 1 SEC. 2.

JAMES L. COLLINS, P.E.
No 82272
FLORIDA
PROFESSIONAL ENGINEER
STATE OF FLORIDA

Jul 03 '07

TC LL	20.0	PSF	REF	R215--	16320
TC DL	10.0	PSF	DATE	07/03/07	
BC DL	10.0	PSF	DRW	HCUSR215	07184011
BC LL	0.0	PSF	HC-ENG	DAB/AP	*
TOT.LD.	40.0	PSF	SEQN-	187012	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T8P215_215	

(4694-/RIDE RESIDENCE /Concept Construction of N - LAKE CITY, FL - JH1)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

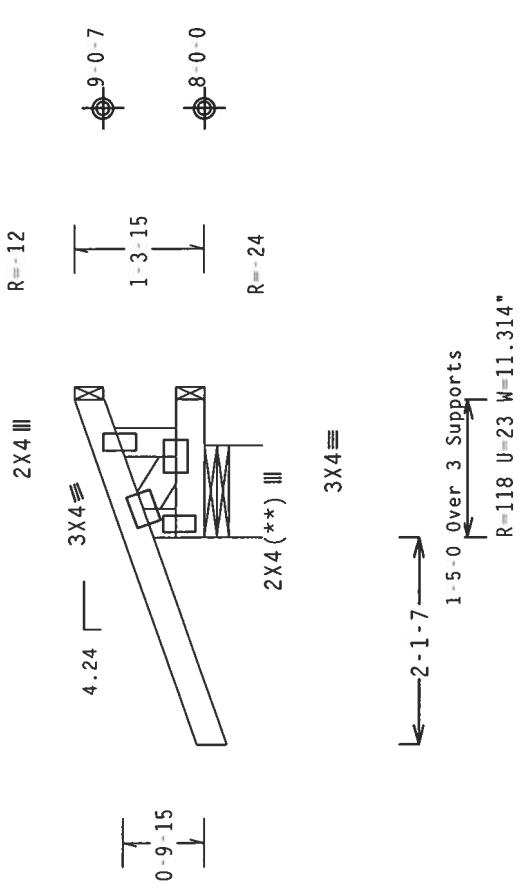
Hipjack supports 1-0-0 setback jacks with no webs.

The overall height of this truss excluding overhang is 1-3-15.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

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



PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC

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

7.36.0424

QTY:2

FL/-5/-/-R/-

Scale =.5"/Ft.

 ITW Building Components Group, Inc Haines City, FL 33844 FL Certificate of Authorization # 567	***WARNING*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, XENIA, OH 45384, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
--	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR-PLATES ARE MADE OF 2018/166A (W/H/SS/K) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 10A-Z. TOP CHORD PLATES SHALL FOLLOW TPI-2002 SEC. 3. UNLESS OTHERWISE INDICATED, THE TRUSS DESIGNER'S RESPONSIBILITY OF THE DESIGN SHOWN INDICATES ACCEPTABLE PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

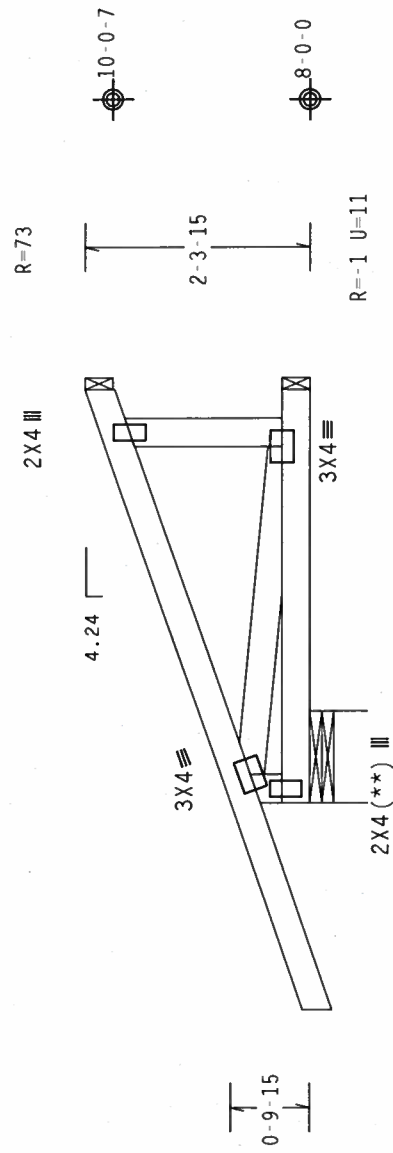
Hipjack supports 3-0-0 setback jacks with no webs.

The overall height of this truss excluding overhang is 2-3-15.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

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



2-1-7
4-2-15 Over 3 Supports
R=210 U=35 W=11.314

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:2 FL/-/5/-/R/- Scale =.5"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W./W./K) ASTM A653 GRADE 40/60 (N. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN INDICATES THE DESIGNER'S ACCEPTANCE OF THE DESIGN. THE DESIGNER'S ACCEPTANCE OF THE DESIGN SHOWN INDICATES THE DESIGNER'S ACCEPTANCE OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

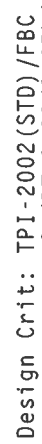
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

SALES L. COLLINS
No. 62212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jul 05 07

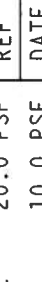
REF	R215--	16323
DATE	07/03/07	
DRW	HCUSR215	07184037
HC-ENG	DAB/AP	
SEQN-	186971	
FROM	CDM	
JREF-	1T8P215	Z15

Hip.jack supports 6-3-8 setback jacks with no webs.

The overall height of this truss excluding overhang is 4'-3"-15."



Scale = .5"/Ft.



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 HOKER STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND PCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 CHEROKEE BLVD, SUITE 150, FORT WORTH, TEXAS 76116) FOR BEST PRACTICES REGARDING THESE TRUSSES. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/55K) ASTM A653 GRADE 40/60 (M, K/H-S5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



James F. Collins
Professional Engineer
State of Florida
License No. 12222

TC LL	20.0	PSF	REF	R215 -	16324
TC DL	10.0	PSF	DATE	07/03/07	
BC DL	10.0	PSF	DRW	HCUSR215	07184038
BC LL	0.0	PSF	HC-ENG	DAB/AP	
TOT.LD.	40.0	PSF	SEQN -	186987	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF -	1T8P215_Z15	

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

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

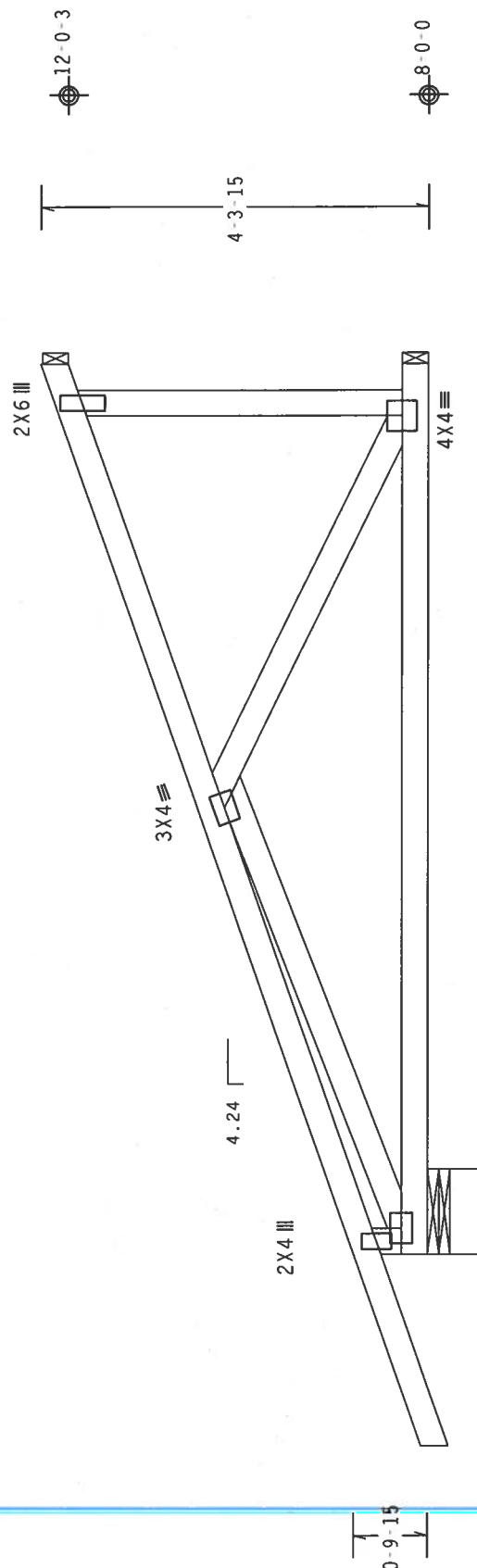
*PROVIDE (3) 16d-0.162"x3.5", TOE NAILED AT TOP CHORD.
*PROVIDE (3) 16d-0.162"x3.5", TOE NAILED AT BOT CHORD.
CONNECTIONS ARE BASED ON AVERAGE REACTIONS/UPLIFTS.

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

Hipjack supports 7'-0" set back jacks with no webs.

The overall height of this truss excluding overhang is 4'-3"-15."

*R-554



3X4

*R=74 U=286

2-1-7

9-10-13 Over 3 Supports

R-455 U=55 W=11.313"

Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.00(1.25)/10(0) 7.36.0424

PLT TYP. Wave

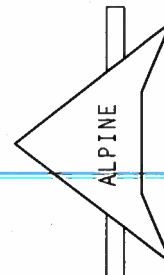
QTY: 2

FL / - / 5 / - / - / R / -

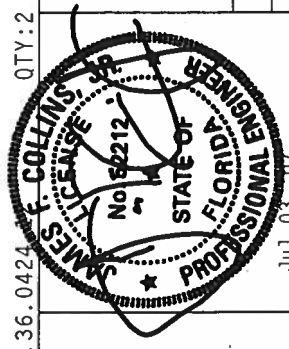
Scale = .5" / Ft.

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN FOR PLATES, WELDS, GABLE PROVISIONS OF RUS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



Jul 03 '07

TC LL	20.0 PSF	REF R215--	16325
TC DL	10.0 PSF	DATE	07/03/07
BC DL	10.0 PSF	DRW	HCUSR215 07184039
BC LL	0.0 PSF	HC-ENG	DAB/AP
TOT.LD.	40.0 PSF	SEQN-	186982
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T8P215_Z15

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 19.68 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 Gcpi(+/-)-0.18

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

The overall height of this truss excluding overhang is 14-4.

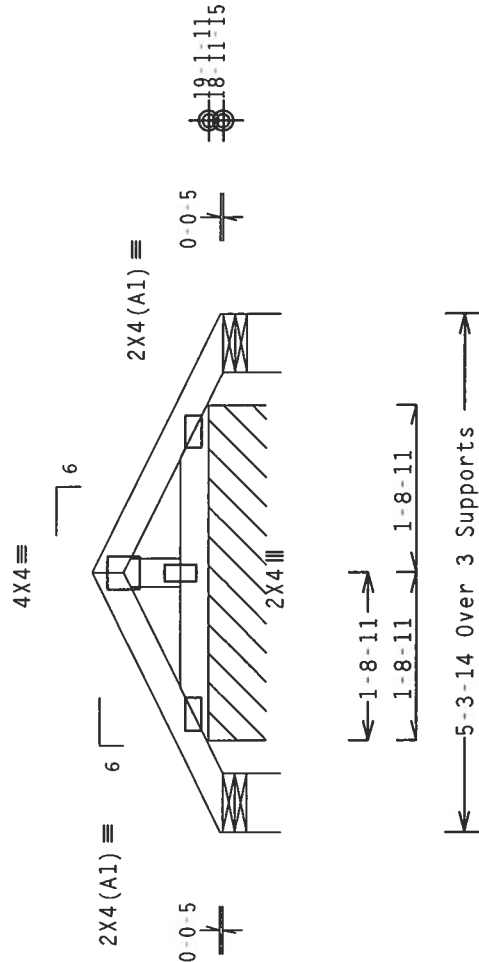
REFER TO PIGBACKA0405 OR PIGBACKB0405 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -0.94 to 62 PLF at 1.72
TC - From 62 PLF at 1.72 to 62 PLF at 4.38
BC - From 4 PLF at -0.94 to 4 PLF at 4.38

Wind reactions based on MWFRS pressures.

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



R=18 U=10 W=7.267"

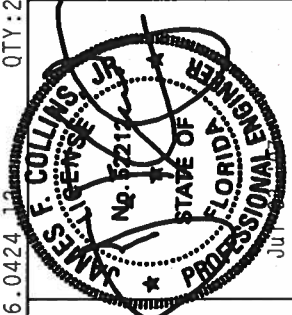
R=18 U=9 W=7.267"

R=81 PLF U=24 PLF W=3-5-6

Design Crit: TPI-2002 (STD) /FBC

QTY: 2 FL/-5/-/-/R/- Scale = .5"/ft.

TC LL	20.0 PSF	REF R215--	16326
TC DL	10.0 PSF	DATE	07/03/07
BC DL	10.0 PSF	DRW	HCUSR215 07184040
BC LL	0.0 PSF	HC-ENG	DAB/AP
TOT.LD.	40.0 PSF	SEQN-	187041
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T8P215_Z15



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/166A (W/25/31) ASTM A563 GRADE 40760 (IN. K/H/SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI 1-2002 SEC. 3.1. SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

(4694-/RICE RESIDENCE /Concept Construction of N -- LAKE CITY, FL - PBA2)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

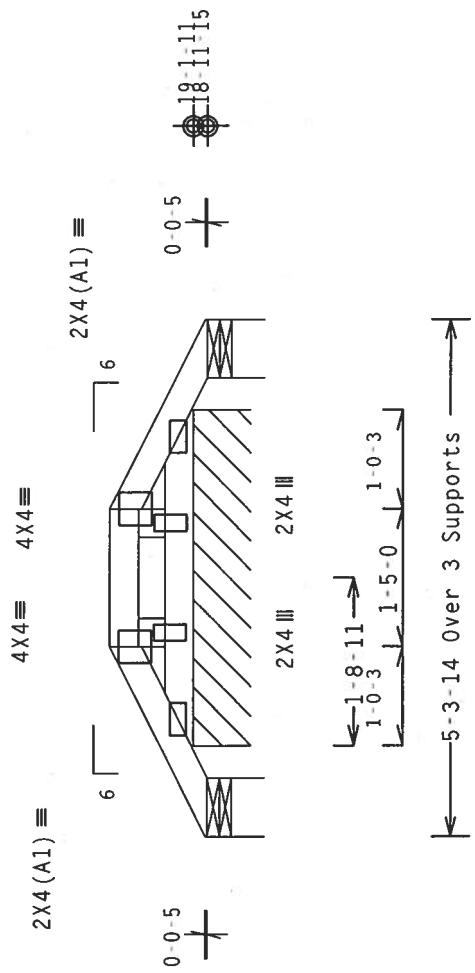
The overall height of this truss excluding overhang is 1-0-0.

REFER TO PIGBACKA0405 OR PIGBACKB0405 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGYBACK TO BE BRACED @ 24" O.C. UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -0.94 to 62 PLF at 1.01
TC - From 62 PLF at 1.01 to 62 PLF at 2.43
TC - From 62 PLF at 2.43 to 62 PLF at 4.38
BC - From 4 PLF at -0.94 to 4 PLF at 4.38

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



R-23 W-7.267"

R-23 W-7.267"

R-78 PLF W-3-5-6

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

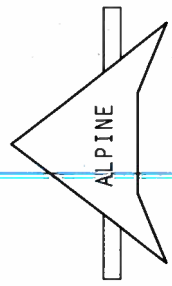
QTY:1 FL/-5/-/-R/- Scale =.5"/ft.

TC LL	20.0 PSF	REF R215--	16327
TC DL	10.0 PSF	DATE	07/03/07
BC DL	10.0 PSF	DRW HCUSR215	07184041
BC LL	0.0 PSF	HC-ENG DAB/AP	
TOT.LD.	40.0 PSF	SEQN-	187038 REV
DUR.FAC.	1.25	FROM CDM	
SPACING	24.0"	JREF-	1T8P215_Z15



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/19/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TOP CHORD AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY'S DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

2X4 CABLE VERTICAL SPACING		BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE •			(1) 2X4 "L" BRACE •			(1) 2X6 "L" BRACE ••			(2) 2X6 "L" BRACE •			(2) 2X6 "L" BRACE ••												
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B									
12" O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"	HF	STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"		
		STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"		SP	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"			DFL	#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
	STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"	STANDARD	3' 10"		5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"		
	16" O.C.	SPF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	HF	STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	
			STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"		SP	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"			DFL	#3	4' 6"	7' 7"	7' 7"	9' 6"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	STANDARD	4' 5"	6' 5"		6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"		
		12" O.C.	SPF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	HF	STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
				STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"		SP	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"
#2				5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	DFL			#3	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"
STUD	4' 11"		7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	STANDARD	4' 11"		7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"			

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER
CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS

**** FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C.**

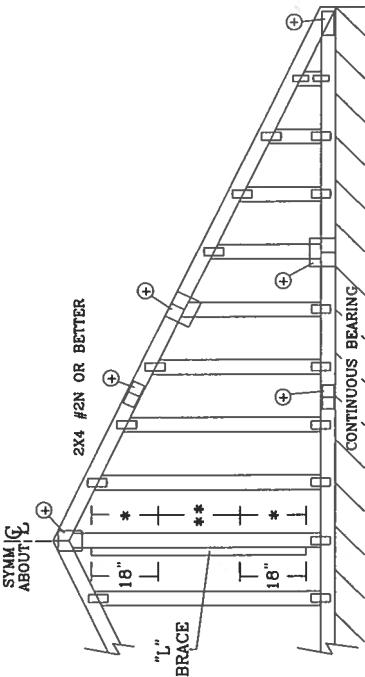
IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

*** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C.

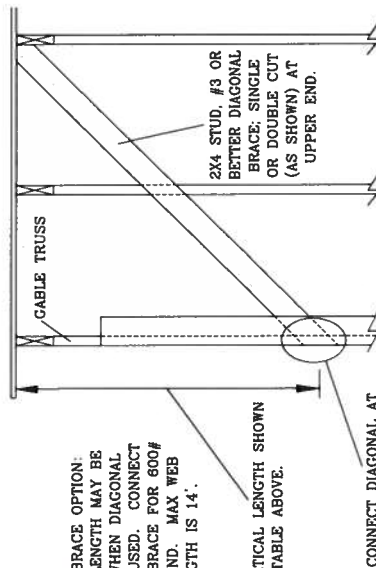
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPUCE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR
PEAK, SPUCE, AND HEEL PLATES



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 600'
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL

***WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND UNLOADING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION); PUBLISHED BY TPI TRUSS PLANT INC., 2108 LEE ST., SUITE 312, ALEXANDRIA, VA 22314; AND WTCA (WOOD TRUSS COUNCIL), 6300 ENTERPRISE LN., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. BCG INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONFORMANCE WITH TPI OR APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ANNEAL & STEEL CONNECTOR PLATES ARE MADE OF 2018/16GSA (W/H/S/S/K) ASTM A653 GRADE 40 (W/H/S/S). APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED AT 60 (W/H/S/S) DESIGN POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (d) SHALL BE PER ANNEX A OF I-2006 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER'S REVIEW OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. TPI ANSI/TPI 1-STD.

TTW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

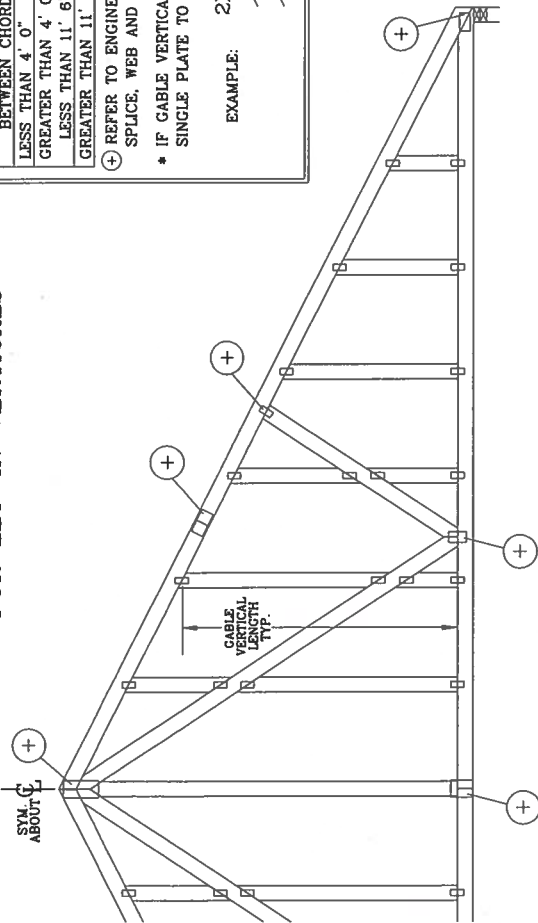
ALPINE

REF	ASCE7-02-GAB11015
DATE	2/23/07
DRWG	A11015EE0207
	-ENG

MAX. TOT. LD. 60 PSF
MAX SPACING 24 0"

A circular professional engineer seal for the State of Florida. The outer ring contains the text "JAMES F. COLLINS, JR." at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the text "STATE OF FLORIDA" is centered. Below the state name is the license number "No. 52242" and the expiration date "03/01/03". The seal is stamped over a document with a grid pattern.

GABLE DETAIL FOR LET-IN VERTICALS



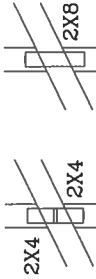
GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON (0.148" X 3.1" MIN) TOENAILS AT 4" O.C. PLUS

(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:

8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207,

A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08015EC0207,

A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08030EC0207

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08015EE0207,

A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08030EE0207

ASCE 7-05 GABLE DETAIL DRAWINGS

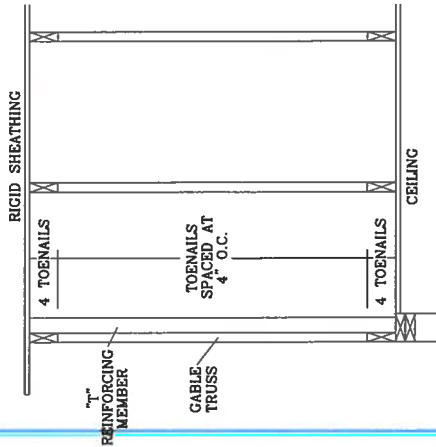
A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08015E50207,

A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08030E50207

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE

VERTICAL LENGTH.



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS COUNCIL OF AMERICA, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314, AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITV, BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SS/SS) ASTM A653 GRADE 40/60 (W/A/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DETAIL, TO EACH FACE OF EACH TRUSS. ITV, BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.

ALPINE
ITV BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

2X8 "T" REINFORCING MEMBER

2X4 "T" REINFORCING MEMBER

TOENAIL

TOENAIL

TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

GABLE VERTICAL = 24" O.C. SP #3

"T" REINFORCING MEMBER SIZE = 2X4

"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10

(1) 2X4 "L" BRACE LENGTH = 6' 7"

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

1.10 x 6' 7" = 7' 3"

THIS DRAWING REPLACES DRAWINGS GAB98117 876.719 & HC26294035

REF LET-IN VERT

DATE 2/23/07

DRWG GBLLETN0207

-ENG DLJ/KAR

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

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

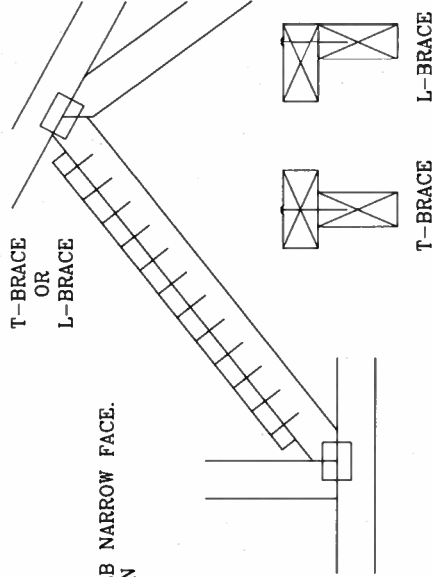
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

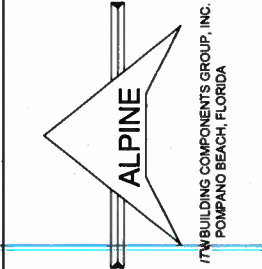
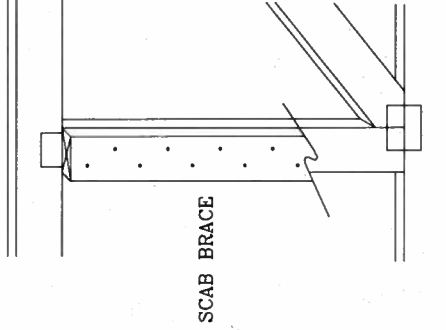
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128" x 3" MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

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

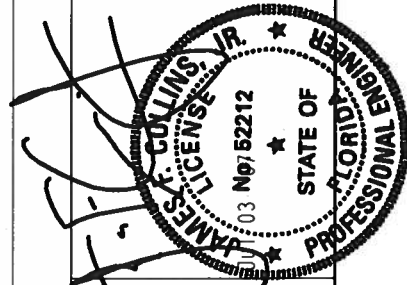


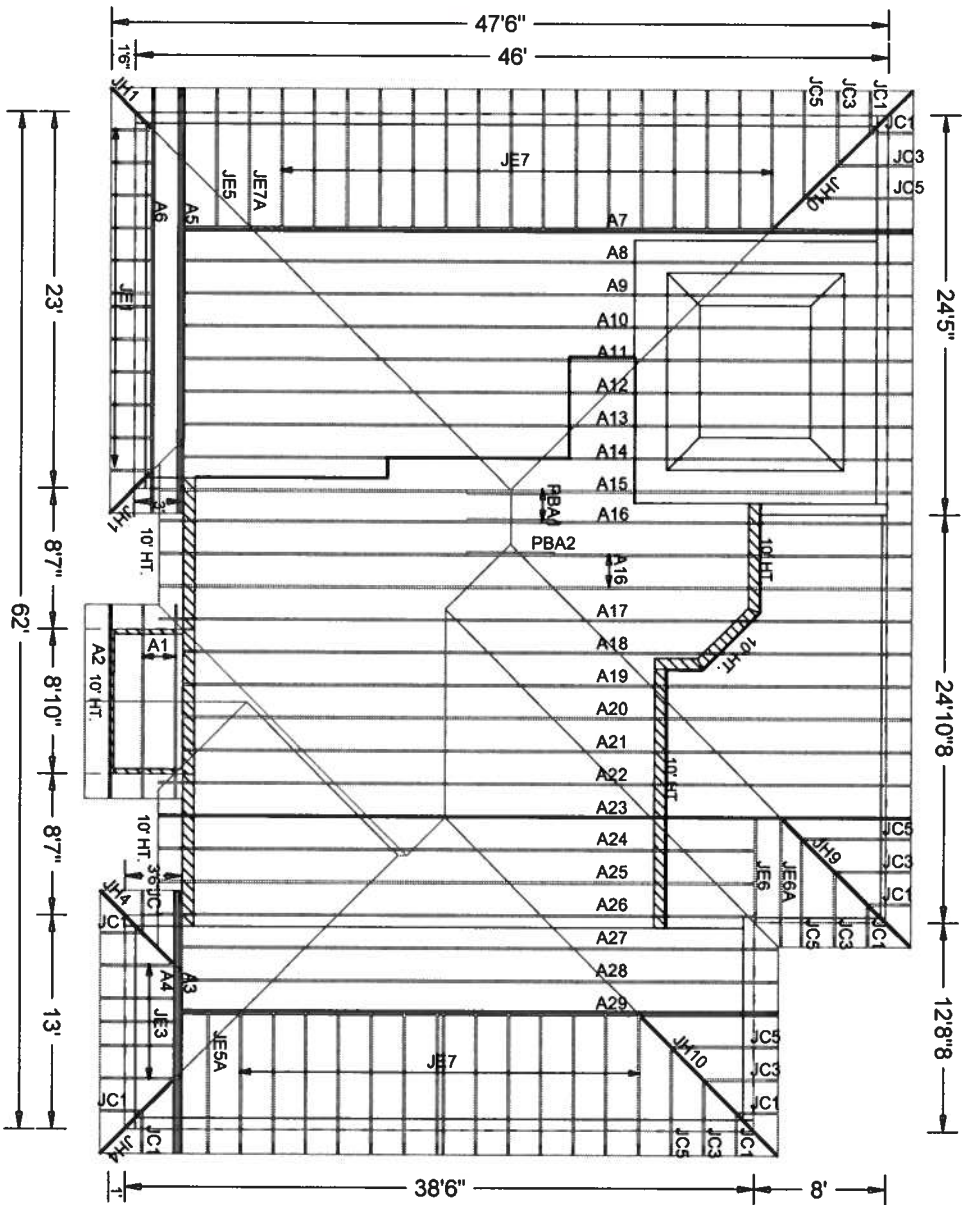
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIVITIES. ALL TRUSSES MUST HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND THE AISC (STEEL ECTIONAL SPECIFICATION). THE FACE OF TRUSSES AND SCAB BRACING SHALL BE PER DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.

THIS DRAWING REPLACES DRAWING 579.640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLESUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			





W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

ROOF PITCH: 6/12
CLG PITCH: NO VAULTS
OVERHANG: 15' PLUMB CUT
LOADING: 40 PSF TL SHINGLE
WIND LOAD: 110 MPH/ENCLOSED
EXT WALLS: 8' CMU
DATE: 7-3-07

IMPORTANT DESIGN NOTES
TRUSSES HAVE A RAISED HEEL HEIGHT
OF 10 3/16" TO ALLOW PLANES TO WORK
PROPERLY FROM 8' TO 10' BRG HEIGHTS

BRGS WITH HATCHING
ARE 10' HT.

Job Name: RICE RESIDENCE
Customer: Concept Construction of N
Designer: Chris McCall

JOB NO:
4694

PAGE NO:
1 OF 1

Test Data Review Certificate

Certificate #3026447A

This certifies that Intertek Testing Services/ETL Semko has reviewed structural load test data and documentation supplied by Masonite/Premdor Exterior Door Products on the product lines indicated below to determine the appropriate design load and impact ratings as specified by Miami-Dade County, Florida Protocol PA201, PA202 and PA203.

The data supplied was reviewed for applicability in support of the data contained in the Masonite/Premdor Product Performance Data Manual for the product line and product models indicated below. ITS/ETL Semko certifies that the test reports provided are consistent with the Masonite Certificate of Performance sheets (COP's) contained in the product performance data manual specified herein. The attached Masonite/Premdor COP/Test Report Validation Matrices (uniquely numbered by product model) provides correlation information for each product model reviewed indicating the test lab, report number(s), product size and installation information and ratings for design load and applicability of the large missile impact test. All applicable COP's and Matrices must bear the Warnock Hersey verification stamp .

Product Line: Johnson Entry Doors

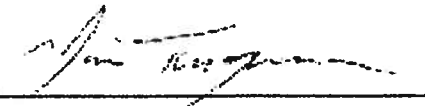
Product Models: Wood-Edge Steel Door Units	(Matrix #3026447A-001)
Metal-Edge Steel Door Units	(Matrix #3026447A-002)
Fiberglass Door Units	(Matrix #3026447A-003)

ITS/ETL-Semko has no direct knowledge of the tests conducted and has made no attempt to verify the accuracy or correctness of the data submitted. The review conducted was only to determine that the manufacturer's claims as represented in the COP's are correct representations of the data supplied from the laboratories. ITS/ETL Semko's review was for structural performance results only and did not include review of air infiltration or water penetration test results.

ISSUED: 6-14-02

Revision Date: June 14, 2002
Supersedes Certificate #3026447
Issued June 6, 2002

BY:


Jim Turgeson, Project Manager

Test Data Review Certificate

Certificate #3026447A

This certifies that Intertek Testing Services/ETL Semko has reviewed structural load test data and documentation supplied by Masonite/Premdor Exterior Door Products on the product lines indicated below to determine the appropriate design load and impact ratings as specified by Miami-Dade County, Florida Protocol PA201, PA202 and PA203.

The data supplied was reviewed for applicability in support of the data contained in the Masonite/Premdor Product Performance Data Manual for the product line and product models indicated below. ITS/ETL Semko certifies that the test reports provided are consistent with the Masonite Certificate of Performance sheets (COP's) contained in the product performance data manual specified herein. The attached Masonite/Premdor COP/Test Report Validation Matrices (uniquely numbered by product model) provides correlation information for each product model reviewed indicating the test lab, report number(s), product size and installation information and ratings for design load and applicability of the large missile impact test. All applicable COP's and Matrices must bear the Warnock Hersey verification stamp .

Product Line: Johnson Entry Doors

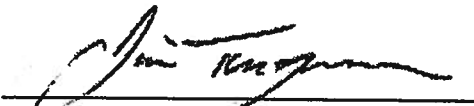
Product Models: Wood-Edge Steel Door Units (Matrix #3026447A-001)
Metal-Edge Steel Door Units (Matrix #3026447A-002)
Fiberglass Door Units (Matrix #3026447A-003)

ITS/ETL-Semko has no direct knowledge of the tests conducted and has made no attempt to verify the accuracy or correctness of the data submitted. The review conducted was only to determine that the manufacturer's claims as represented in the COP's are correct representations of the data supplied from the laboratories. ITS/ETL Semko's review was for structural performance results only and did not include review of air infiltration or water penetration test results.

ISSUED: 6-14-02

Revision Date: June 14, 2002
Supersedes Certificate #3026447
Issued June 6, 2002

BY:


Jim Turgeson, Project Manager

WOOD-EDGE STEEL DOORS

COP# (WL-)	Config.	Swing (UD)	Max. Overall Size (ins.)	Leaf#	Nominal Max. Leaf Size (ins.)	Glazing Type ^a	+DP (psf)	-DP (psf)	Impact Appr'd	Ref. Test Reports ^b (NCTL-210-)	Ref. Eval. Report (NCTL-210-)	Ass'y Detail (MAD-WL-HMA)	Intall Detail (MID-WL-HMA)
JH4101-02	X	I	36 x 80	1	36 x 80	O	66.0	66.0	Y	2185 1-3	-	0001-02	0001-02
JH4102-02	XX	I	72 x 80	1, 2	36 x 80	O	45.0	45.0	Y	1905 7-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0002-02	0002-02
JH4103-02	XO/X	I	50 x 80	1	36 x 80	O	57.0	57.0	Y	1880 7, 9, 10, 12; 1861 4-6, 10-12; 2185 1-3	2794-1	0003-02; 0006/0041-02	0003-02
JH4104-02	O/X	I	108 x 80	1	30 x 80	O	57.0	57.0	N	1905 7-12; 1861 4-6, 10-12; 1880 7, 9, 10, 12; 2185 1-3	2794-1	0004-02; 0007/0041-02	0004-02
JH4105-02	O/X	I	144 x 80	1, 2	36 x 80	O	45.0	45.0	Y	1905 7-12; 1861 4-6, 10-12; 1885 1-3	2794-1	0005/0041-02	0005-02
JH4121-02	X	O	36 x 80	1	36 x 80	O	66.0	66.0	Y	2178 1-3	-	0011-02	0001-02
JH4122-02	XX	O	72 x 80	1, 2	36 x 80	O	45.0	45.0	Y	1905 7-12; 1861 4-6; 2178 1-3	2794-1	0012-02	0002-02
JH4123-02	XO/X	O	50 x 80	1	36 x 80	O	57.0	57.0	Y	1880 7, 9, 10, 12; 1861 4-8, 10-12; 2178 1-3	2794-1	0013-02; 0016/0041-02	0003-02
JH4124-02	O/X	O	108 x 80	1	36 x 80	O	57.0	57.0	N	1905 7-12; 1861 5-8; 1880 7-12; 2178 1-3	2794-1	0014-02; 0017/0041-02	0004-02
JH4125-02	O/X	O	144 x 80	1, 2	36 x 80	O	45.0	45.0	Y	1905 7-12; 1861 5-8; 2178 1-3	2794-1	0015-02; 0018/0041-02	0005-02
JH4141-02	X	I	36 x 80	1	36 x 80	IG	40.5	45.0	N	1897 7-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0001/0041-02	0001-02
JH4142-02	XX	I	72 x 80	1, 2	36 x 80	IG	40.5	40.5	N	1897 7-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0002/0041-02	0002-02
JH4143-02	XO/X	I	72 x 80	1	36 x 80	IG	40.5	40.5	N	1897 2-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0003-02; 0006/0041-02	0003-02
JH4144-02	O/X	I	108 x 80	1	36 x 80	IG	40.5	40.5	N	1897 7-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0004-02; 0007/0041-02	0004-02
JH4145-02	O/X	I	144 x 80	1, 2	36 x 80	IG	40.5	40.5	N	1897 7-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0005-02; 0008/0041-02	0005-02

^a O-opaque; IG-insulating glass with minimum 1/8" tempered glazing
^b tested in accordance with Metro-Dade Protocols PA201, PA202 and PA203



June 14, 2002

COP/MAD/MID sheets referenced
in this matrix provides additional
information - available from the
Masonite website
(www.masonite.com) or the
Masonite technical center.

WOOD-EDGE STEEL DOORS

COP# (WL-)	Config.	Swing (U/D)	Max. Overall Size (ins.)	Leaf#	Nominal Max. Leaf Size (ins.)	Glazing Type*	+DP (psi)	-DP (psi)	Impact Appr'd	Ref. Test Reports* (NCTL-210-)	Ref. Eval. Report (NCTL-210-)	As'y Detail (MAD-WL-MIA)	Instll Detail (MID-WL-MIA)
JH4161-02	X	O	36 x 80	1	36 x 80	IG	40.5	40.5	N	1897 7-12; 1864 5-8; 2178 1-3	2794-1	0011/0041-02	0001-02
JH4162-02	XX	O	72 x 80	1, 2	36 x 80	IG	40.5	40.5	N	1897 7-12; 1864 5-8; 2178 1-3	2794-1	0012/0041-02	0002-02
JH4163-02	XO/OX	O	72 x 80	1	36 x 80	IG	40.5	40.5	N	1897 7-12; 1864 5-8; 2178 1-3	2794-1	0013-02; 0016/0041-02	0003-02
JH4164-02	OXO	O	108 x 80	SL	36 x 80	IG	40.5	40.5	N	1897 7-12; 1864 5-8; 2178 1-3	2794-1	0014-02; 0017/0041-02	0004-02
JH4165-02	OXXO	O	144 x 80	SL	36 x 80	IG	40.5	40.5	N	1897 7-12; 1864 5-8; 2178 1-3	2794-1	0018/0041-02	0005-02

* O=opaque; IG=insulating glass with minimum 1/8" tempered glazing
* tested in accordance with Metro-Dade Protocols PA201, PA202 and PA203

VERIFIED BY:
Warrick Harney
W-H
June 14, 2002

COP/MAD/MID sheets referenced
in this matrix provides additional
information - available from the
Masonite website
(www.masonite.com) or the
Masonite technical center.

METAL-EDGE STEEL DOORS

COP# (WL-)	Config.	Swing (U/O)	Max. Overall Size (Ins.)	Leaf#	Nominal Max. Leaf Size (Ins.)	Glazing Type ¹	+DP (psf)	-DP (psf)	Impact App'd	Ref. Test Reports ² (NCTL-210-)	Ref. Eval. Report (NCTL-210-)	Ass'y Detail (MAD-WL-NMA)	Intall Detail (MID-WL-NMA)
JH3101-02	X	I	36 x 80	1	36 x 80	O	76.0	76.0	Y	2185 1-3	2794-1	0001-02	0001-02
JH3102-02	XX	I	72 x 80	1, 2	36 x 80	O	55.0	55.0	Y	1905 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0002-02	0002-02
JH3103-02	XO/OX	I	50 x 80	1	36 x 80	O	76.0	76.0	Y	1880 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0003-02; 0006/0041-02	0003-02
JH3104-02	OXO	I	108 x 80	1	14 x 80	IG	76.0	76.0	N	1905 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0004-02; 0007/0041-02	0004-02
JH3105-02	OXO	I	144 x 80	1, 2	36 x 80	IG	55.0	55.0	N	1905 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0005-02; 0008/0041-02	0005-02
JH3106-02	X	I	36 x 96	1	36 x 96	O	48.3	48.3	Y	1980 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0001-02	0001-02
JH3107-02	XX	I	72 x 96	1, 2	36 x 96	O	48.3	48.3	Y	1980 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0002-02	0002-02
JH3108-02	XO/OX	I	72 x 96	1	36 x 96	O	48.3	48.3	Y	1980 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0003-02; 0016/0041-02	0003-02
JH3109-02	OXO	I	108 x 96	1	36 x 96	IG	48.3	48.3	N	1980 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0004-02; 0007/0041-02	0004-02
JH3110-02	OXO	I	144 x 96	1, 2	36 x 96	IG	48.3	48.3	Y	1980 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0005-02	0005-02
JH3121-02	X	O	36 x 80	1	36 x 80	O	76.0	76.0	Y	2184 1-3	-	0011-02	0001-02
JH3122-02	XX	O	72 x 80	1, 2	36 x 80	O	55.0	55.0	Y	1905 1-6; 1864 1-4; 2184 1-3	2794-1	0012-02	0002-02
JH3123-02	XO/OX	O	50 x 80	1	36 x 80	O	76.0	76.0	Y	1880 1-6; 1864 1-4; 2184 1-3	2794-1	0013-02; 0016/0014-02	0003-02
JH3124-02	OXO	O	100 x 80	1	14 x 80	IG	76.0	76.0	N	1880 1-6; 1864 1-4; 1905 1-6; 2184 1-3	2794-1	0014-02; 0017/0041-02	0004-02
JH3125-02	OXO	O	144 x 80	1, 2	36 x 80	IG	55.0	55.0	Y	1905 1-6; 1864 1-4; 2184 1-3	2794-1	0015-02; 0018/0041-02	0005-02
JH3126-02	X	O	36 x 96	1	36 x 96	IG	55.0	55.0	N	1980 1-6; 1864 1-4; 2184 1-3	2794-1	0011-02	0001-02
JH3127-02	XX	O	72 x 96	1, 2	36 x 96	O	48.3	48.3	Y	1980 1-6; 1864 1-4; 2184 1-3	2794-1	0012-02	0002-02

¹ O-opaque; IG-insulating glass with minimum 1/8" tempered glazing
² tested in accordance with Metro-Date Protocols PA201, PA202 and PA203



June 14, 2002

COP/MAD/MID sheets referenced in this matrix provides additional information - available from the Masonite website (www.masonite.com) or the Masonite technical center.



Exclusively from
Masonite
Masonite International Corporation

ITS Intertek Testing Services

METAL-EDGE STEEL DOORS

COP# (WL-)	Config.	Swing (UD)	Max. Overall Size (ins.)	Leaf#	Nominal Max. Leaf Size (ins.)	Glazing Type*	+DP (psf)	-DP (psf)	Impact Appr'd	Ref. Test Reports ¹ (NCTL-210-)	Ref. Eval. Report (NCTL-210-)	Ass'y Detail (MAD-WL-MA)	Intall Detail (MID-WL-MA)
JH3128-02	XO/OX	O	72 x 96	1	36 x 96	O	48.3	48.3	Y	1980 1-6; 1864 1-4; 2184 1-3	2794-1	0013-02; 0016/0041-02	0003-02
JH3129-02	OX/O	O	108 x 96	1	36 x 96	IG	48.3	48.3	N	1980 1-6; 1864 1-4; 2184 1-3	2794-1	0014-02; 0017/0041-02	0004-02
JH3130-02	OX/O	O	144 x 96	1, 2	36 x 96	IG	48.3	48.3	Y	1980 1-6; 1864 1-4; 2184 1-3	2794-1	0015-02; 0018/0041-02	0005-02
JH3141-02	X	I	36 x 80	1	36 x 80	IG	48.3	48.3	N	1897 1-6; 1861 1-3; 7-9; 2183 1-3	2794-1	0001/0041-02	0001-02
JH3142-02	XX	I	72 x 80	1, 2	36 x 80	IG	50.5	50.5	N	1897 1-6; 1861 1-3; 7-9; 2183 1-3	2794-1	0002/0041-02	0002-02
JH3143-02	XO/OX	I	72 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1861 1-3; 7-9; 2183 1-3	2794-1	0003-02; 0005/0041-02	0003-02
JH3144-02	OX/O	I	108 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1861 1-3; 7-9; 2183 1-3	2794-1	0004-02; 0007/0041-02	0004-02
JH3145-02	OX/O	I	144 x 80	1, 2	36 x 80	IG	50.5	50.5	N	1897 1-6; 1861 1-3; 7-9; 2183 1-3	2794-1	0005-02; 0008/0041-02	0005-02
JH3146-02	X	I	36 x 96	1	36 x 96	IG	43.0	45.0	N	1897 1-12; 1861 1-3; 7-9; 2183 1-3	2794-1	0001/0041-02	0001-02
JH3147-02	XX	I	72 x 96	1, 2	36 x 96	IG	43.0	45.0	N	1897 1-12; 1861 1-3; 7-9; 2183 1-3	2794-1	0002/0041-02	0002-02
JH3161-02	X	O	36 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2794-1	0011/0041-02	0001-02
JH3162-02	XX	O	72 x 80	1, 2	36 x 80	IG	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2794-1	0012/0041-02	0002-02
JH3163-02	XO/OX	O	72 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2794-1	0013-02; 0016/0041-02	0003-02
JH3164-02	OX/O	O	108 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2794-1	0014-02; 0017/0041-02	0004-02
JH3165-02	OX/O	O	144 x 80	1, 2	36 x 80	IG	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2794-1	0015-02; 0018/0041-02	0005-02
JH3166-02	X	O	36 x 96	1	36 x 96	IG	43.0	43.0	N	1897 1-12; 1864 1-4; 7-9; 2184 1-3	2794-1	0011-02	0001-02
JH3167-02	XX	O	72 x 96	1, 2	36 x 96	IG	43.0	45.0	N	1897 1-12; 1864 1-4; 7-9; 2184 1-3	2794-1	0012/0041-02	0002-02

* O=opaque; IG=insulating glass with minimum 1/8" tempered glazing
* tested in accordance with Metro-Data Protocols PA201, PA202 and PA203



June 14, 2002
COP/MAD/MID sheets referenced
in this matrix provides additional
information - available from the
Masonite website
(www.masonite.com) or the
Masonite technical center.



Exclusively from
Masonite
Masonite International Corporation

FIBERGLASS DOORS

COP# (WL#)	Config.	Swing (UD)	Max. Overall Size (ins.)	Leaf#	Nominal Max. Leaf Size (ins.)	Glazing Type ¹	+DP (psf)	-DP (psf)	Impact Appr'd	Ref. Test Reports ²	Ass'y Detail (MAD-WL-MA)	Instal Detail (MID-WL-MA)
MA0101-02	X	I	36 x 80	1	36 x 80	O	76.0	76.0	N	NCTL 210-1973 1-3	0001-02	0001-02
MA0102-02	XX	I	72 x 80	1, 2	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0002-02	0002-02
MA0103-02	XO/OX	I	50 x 80	1	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0003/0006/0041-02	0003-02
MA0104-02	OXO	I	64 x 80	SL	14 x 80	IG	55.0	55.0	N	CTLA-772W-2	0004/0007/0041-02	0004-02
MA0105-02	OXOX	I	100 x 80	1, 2	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0005/0008/0041-02	0005-02
MA0106-02	X	I	36 x 96	1	36 x 96	O	70.0	70.0	N	CTLA-772W	0001-02	0001-02
MA0107-02	XX	I	72 x 96	1, 2	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0002-02	0002-02
MA0108-02	XO/OX	I	50 x 96	1	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0003/0006/0041-02	0003-02
MA0109-02	OXO	I	64 x 96	SL	14 x 96	IG	55.0	55.0	N	CTLA-772W-1	0004/0007/0041-02	0004-02
MA0110-02	OXOX	I	100 x 96	1, 2	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0005/0014-02	0005-02
MA0121-02	X	O	36 x 80	1	36 x 80	O	76.0	76.0	N	NCTL 210-1973 1-3	0011-02	0001-02
MA0122-02	XX	O	72 x 80	1, 2	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0012-02	0002-02
MA0123-02	XO/OX	O	50 x 80	1	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0013/0016/0014-02	0003-02
MA0124-02	OXO	O	64 x 80	SL	14 x 80	IG	55.0	55.0	N	CTLA-772W-2	0014/0017/0041-02	0004-02
MA0125-02	OXOX	O	100 x 80	1, 2	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0015/0018/0041-02	0005-02
MA0126-02	X	O	36 x 96	1	36 x 96	O	70.0	70.0	N	CTLA-772W	0011-02	0001-02
MA0127-02	XX	O	72 x 96	1, 2	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0012-02	0002-02
MA0128-02	XO/OX	O	50 x 96	1	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0013/0016/0041-02	0003-02
MA0129-02	OXO	O	64 x 96	SL	14 x 96	IG	55.0	55.0	N	CTLA-772W-1	0014/0017/0041-02	0004-02
MA0130-02	OXOX	O	100 x 96	1, 2	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0015/0018/0041-02	0005-02

¹ O=opaque; IG=insulating glass with minimum 1/8" tempered glazing
² tested in accordance with Metro-Data Protocols PA201, PA202 and PA203



COP/MAD/MID sheets referenced
in this matrix provides additional
information - available from the
Masonite website
(www.masonite.com) or the
Masonite technical center.



FIBERGLASS DOORS

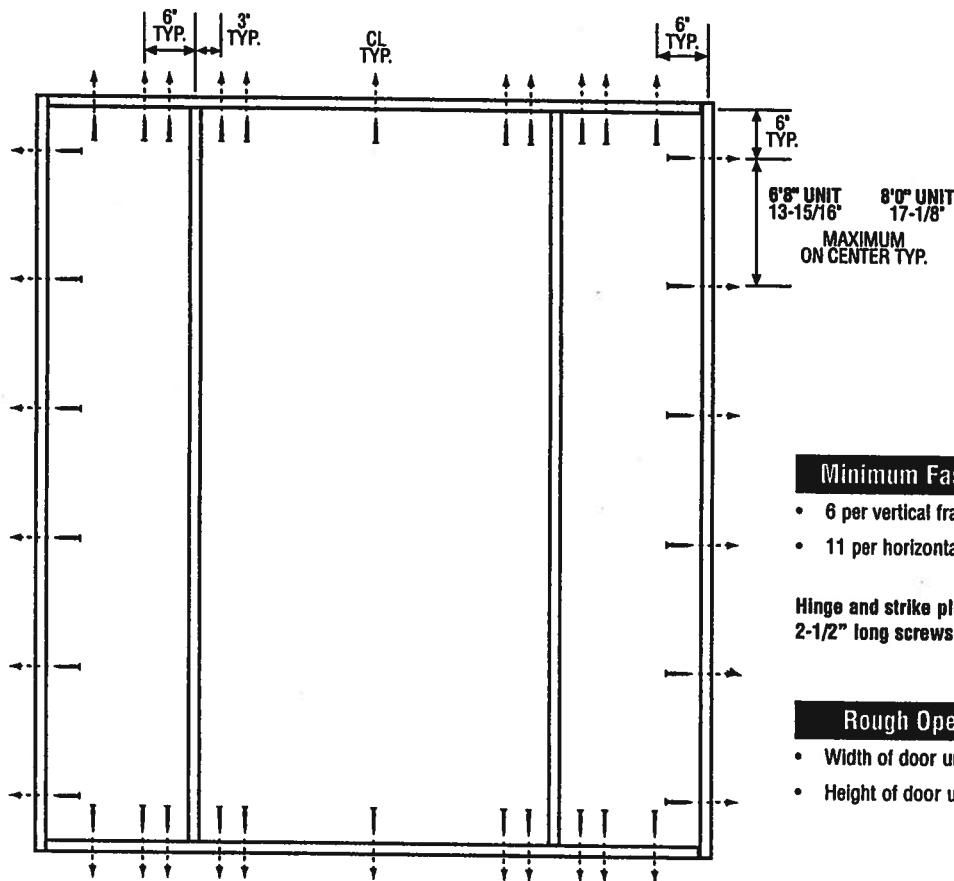
COP# (WL-)	Config.	Swing (U/D)	Max. Overall Size (Ins.)	Leaf#	Nominal Max. Leaf Size (Ins.)	Glazing Type ¹	+DP (psf)	-DP (psf)	Impact Appr'd	Ref. Test Reports ²	Ass'y Detail (MAD-WL-MA)	Initial Detail (MID-WL-MA)
MA0141-02	X	I	36 x 80	1	36 x 80	IG	52.0	52.0	N	CTLA-805W-2	0001/0041-02	0001-02
MA0142-02	XX	I	72 x 80	1, 2	36 x 80	IG	52.0	52.0	N	CTLA-805W-2	0002/0041-02	0002-02
MA0143-02	XO/OX	I	72 x 80	1	36 x 80	IG	52.0	52.0	N	CTLA-805W-2	0003/0006/0041-02	0003-02
MA0144-02	OXO	I	108 x 80	SL	36 x 80	IG	52.0	52.0	N	CTLA-805W-2	0004/0007/0041-02	0004-02
MA0145-02	OXXO	I	144 x 80	SL	36 x 80	IG	52.0	52.0	N	CTLA-805W-2	0005/0008/0041-02	0005-02
MA0146-02	X	I	36 x 96	1	36 x 96	IG	40.0	40.0	N	CTLA-805W	0001/0041-02	0001-02
MA0147-02	XX	I	72 x 96	1, 2	36 x 96	IG	40.0	40.0	N	CTLA-805W	0002/0041-02	0002-02
MA0148-02	XO/OX	I	72 x 96	1	36 x 96	IG	40.0	40.0	N	CTLA-805W	0003/0006/0041-02	0003-02
MA0149-02	OXO	O	108 x 96	SL	36 x 96	IG	40.0	40.0	N	CTLA-805W	0004/0007/0041-02	0004-02
MA0150-02	OXXO	I	144 x 96	SL	36 x 96	IG	40.0	40.0	N	CTLA-805W	0005/0007/0041-02	0005-02
MA0161-02	X	O	36 x 80	1	36 x 80	IG	55.0	55.0	N	CTLA-805W-2	0011/0041-02	0001-02
MA0162-02	XX	O	72 x 80	1, 2	36 x 80	IG	55.0	55.0	N	CTLA-805W-2	0012/0041-02	0002-02
MA0163-02	XO/OX	O	72 x 80	1	36 x 80	IG	55.0	55.0	N	CTLA-805W-2	0013/0016/0041-02	0003-02
MA0164-02	OXO	O	108 x 80	SL	36 x 80	IG	55.0	55.0	N	CTLA-805W-2	0014/0017/0041-02	0004-02
MA0165-02	OXXO	O	144 x 80	SL	36 x 80	IG	55.0	55.0	N	CTLA-805W-2	0015/0018/0041-02	0005-02
MA0166-02	X	O	36 x 96	1	36 x 96	IG	47.0	47.0	N	CTLA-805W	0011/0041-02	0001-02
MA0167-02	XX	O	72 x 96	1, 2	36 x 96	IG	47.0	47.0	N	CTLA-805W	0012/0041-02	0002-02
MA0168-02	XO/OX	O	72 x 96	SL	36 x 96	IG	47.0	47.0	N	CTLA-805W	0013/0016/0041-02	0003-02
MA0169-02	OXO	O	108 x 96	SL	36 x 96	IG	47.0	47.0	N	CTLA-805W	0014/0017/0041-02	0004-02
MA0170-02	OXXO	O	144 x 96	SL	36 x 96	IG	47.0	47.0	N	CTLA-805W	0015/0018/0041-02	0005-02

¹ O=opaque; IG=insulating glass with minimum 1/8" tempered glazing
² tested in accordance with Metro-Dade Protocols PA201, PA202 and PA203

VERIFIED BY:
Warrick Horsey
June 14, 2002

COP/MAD/MID sheets referenced
in this matrix provides additional
information - available from the
Masonite website
(www.masonite.com) or the
Masonite technical center.

SINGLE DOOR WITH 2 SIDELITES



Minimum Fastener Count

- 6 per vertical framing member
- 11 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

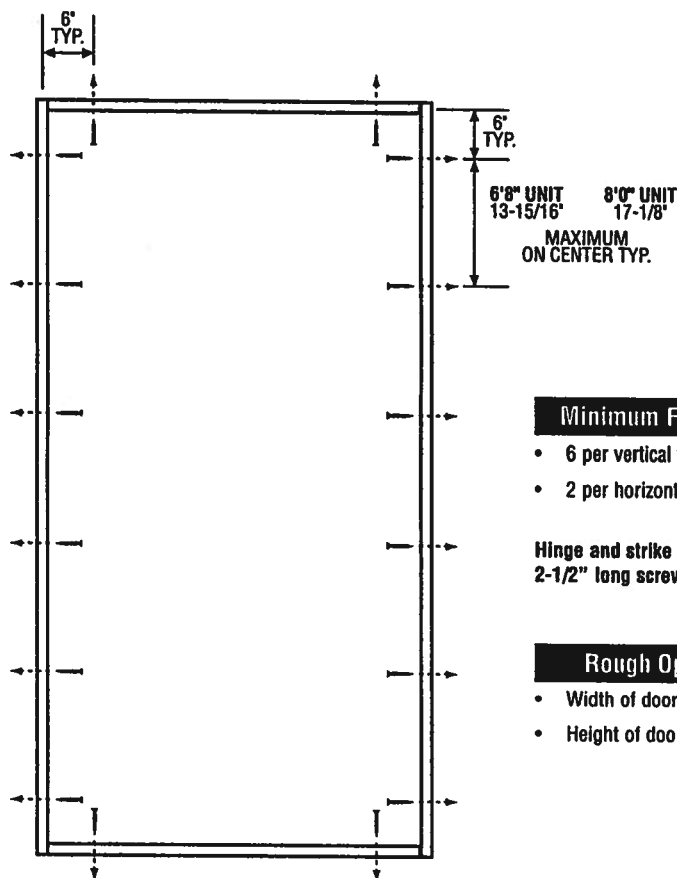
- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3244*, 3249, 3264* or 3269**
Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel - (1) at top and (1) at bottom.

*Based on required Design Pressure - see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 2 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

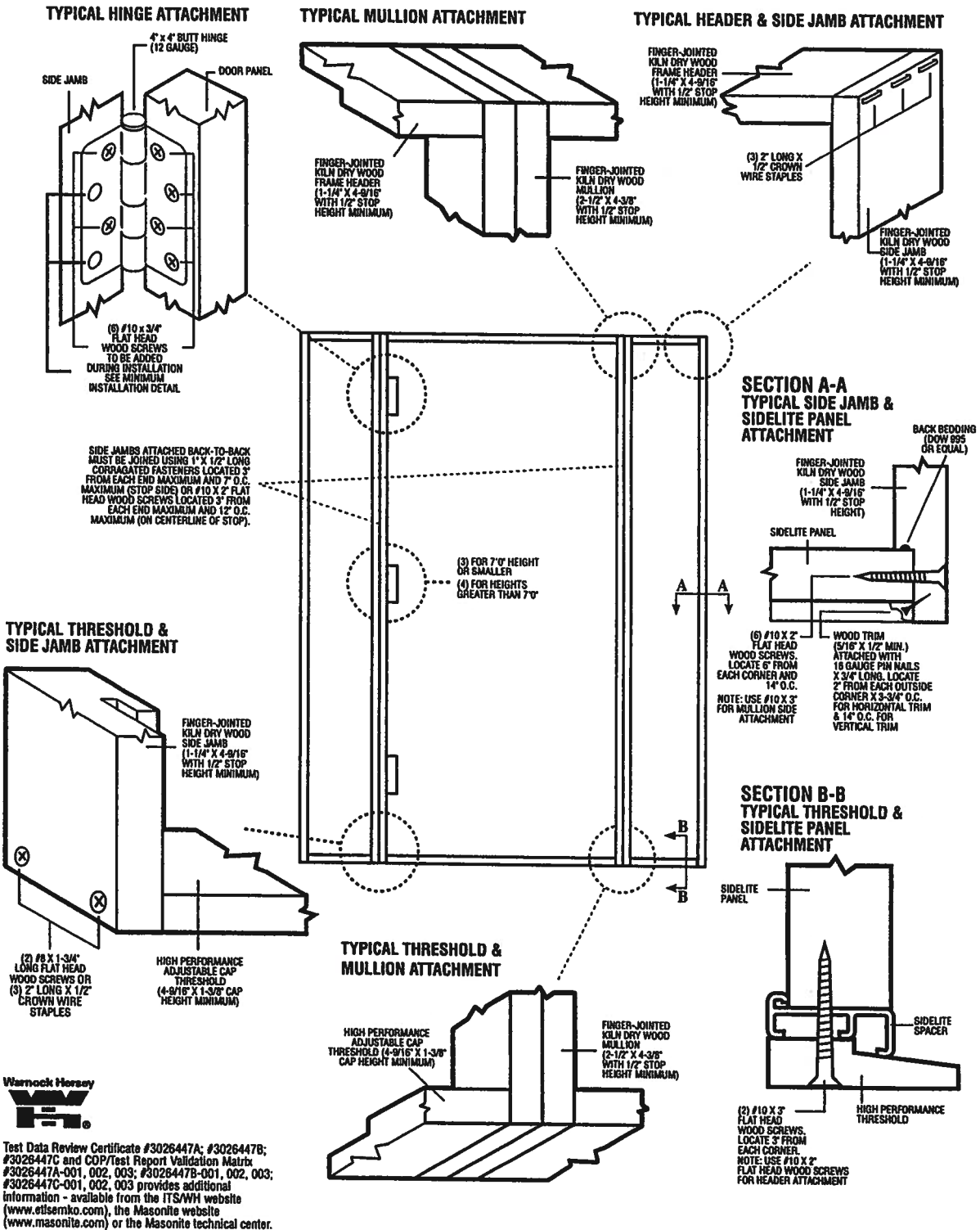
- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3146, 3166, 3241*, 3246, 3261* or 3266**
Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

INSWING UNIT WITH SINGLE DOOR & TWO SIDELITES (BOXED CONSTRUCTION)



Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validity Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.itssemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

June 17, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

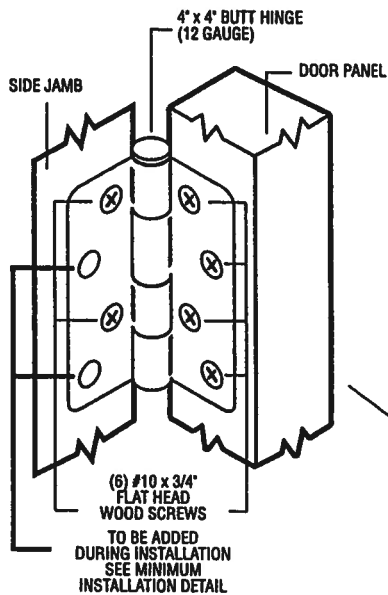


Exclusively from

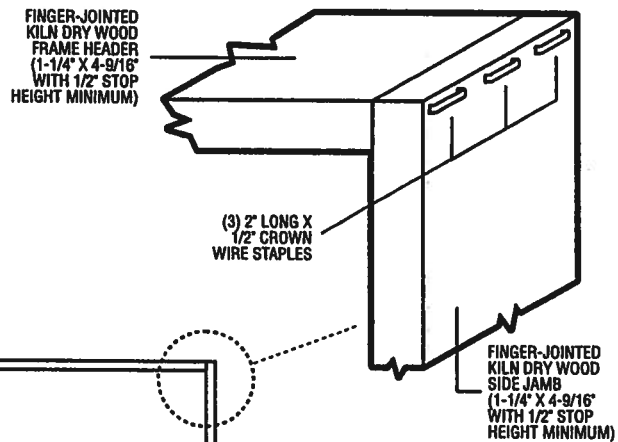
Masonite International Corporation

OUTSWING UNITS WITH SINGLE DOOR

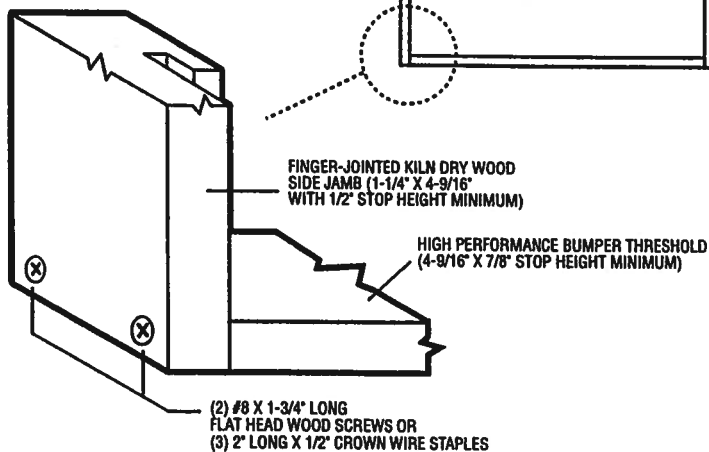
TYPICAL HINGE ATTACHMENT



TYPICAL HEADER & SIDE JAMB ATTACHMENT



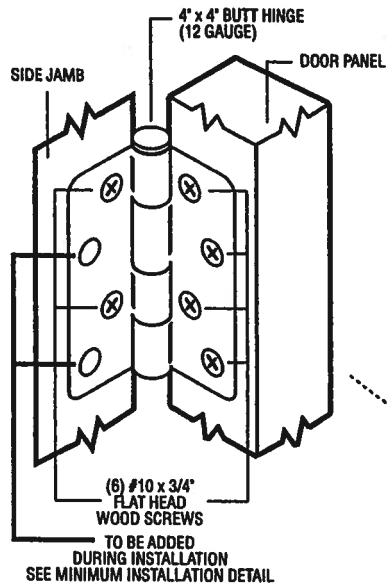
TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



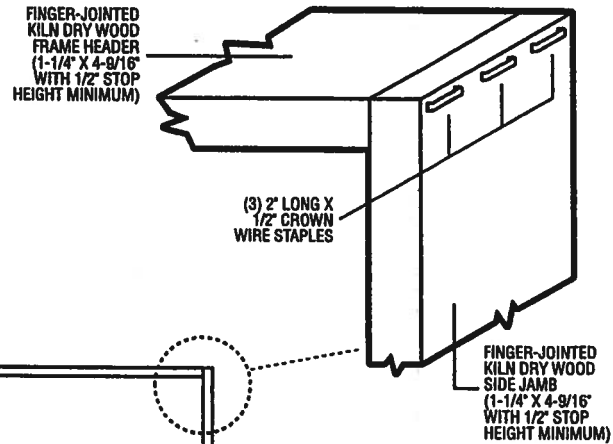
Test Data Review Certificate
#3026447A; #3026447B;
#3026447C and COP/Test Report
Validation Matrix #3026447A-001,
002, 003; #3026447B-001, 002,
003; #3026447C-001, 002, 003
provides additional information -
available from the ITS/WH website
(www.eUseemko.com), the Masonite
website (www.masonite.com) or
the Masonite technical center.

INSWING UNIT WITH SINGLE DOOR

TYPICAL HINGE ATTACHMENT

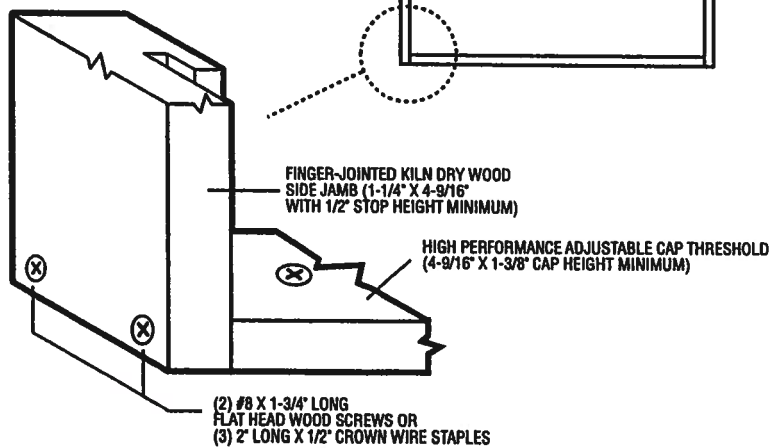


TYPICAL HEADER & SIDE JAMB ATTACHMENT



(3) FOR 7'0\"/>

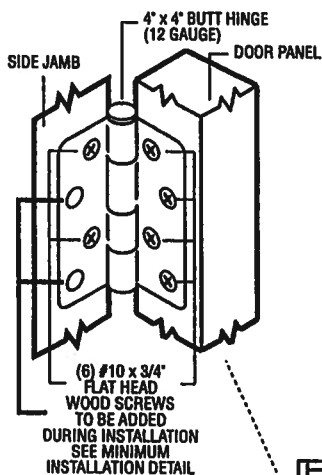
TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



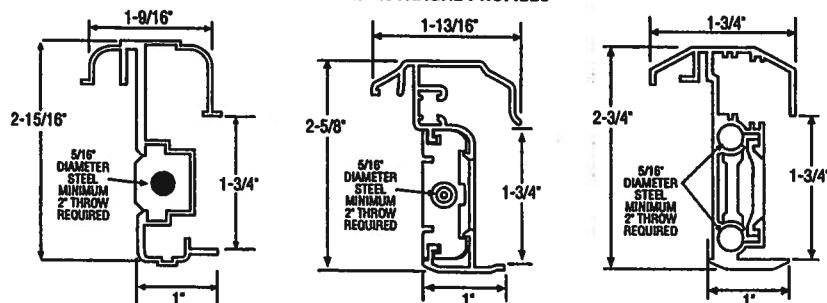
Test Data Review Certificate
#3026447A; #3026447B;
#3026447C and COP/Test Report
Validation Matrix #3026447A-001,
002, 003; #3026447B-001, 002,
003; #3026447C-001, 002, 003
provides additional information -
available from the ITS/WH website
(www.itswh.com), the Masonite
website (www.masonite.com) or
the Masonite technical center.

INSWING UNIT WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT

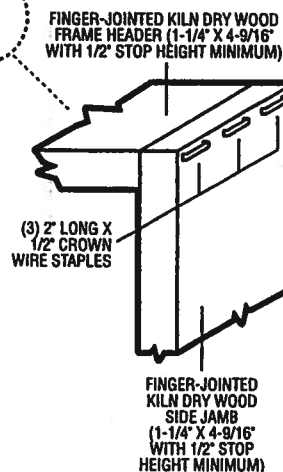


TYPICAL ASTRAGAL PROFILES

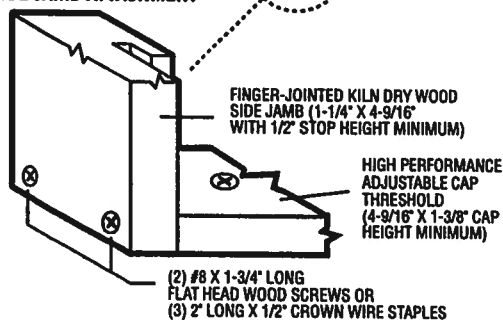


ALUMINUM EXTRUDED ASTRAGAL (0.06\"/>

TYPICAL HEADER & SIDE JAMB ATTACHMENT



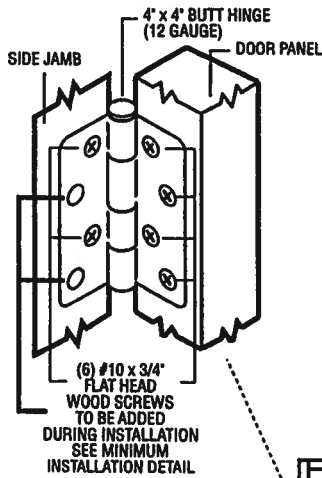
TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



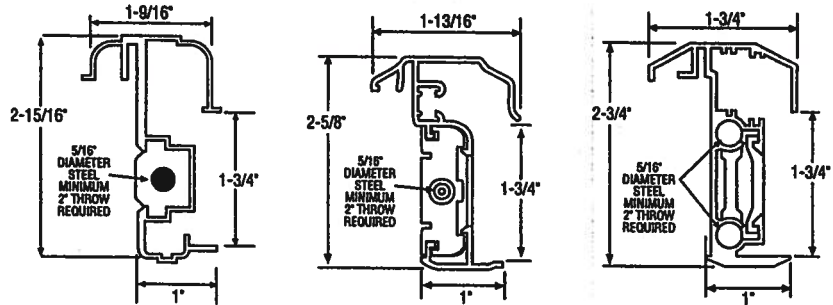
Test Data Review Certificate
#3026447A; #3026447B;
#3026447C and COP/Test Report
Validation Matrix #3026447A-001,
002, 003; #3026447B-001, 002,
003; #3026447C-001, 002, 003
provides additional information -
available from the ITS/WH website
(www.itswh.com), the Masonite
website (www.masonite.com) or
the Masonite technical center.

INSWING UNIT WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT



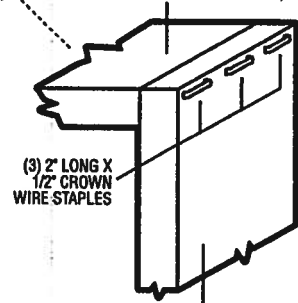
TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDRICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.

TYPICAL HEADER & SIDE JAMB ATTACHMENT

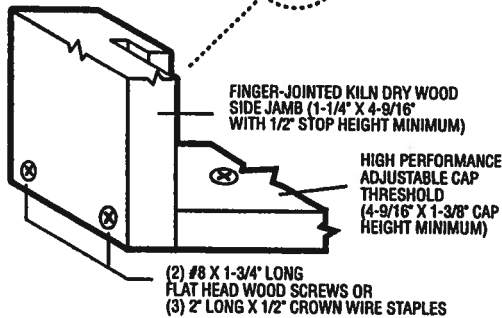
FINGER-JOINTED KILN DRY WOOD FRAME HEADER (1-1/4" X 4-9/16" WITH 1/2" STOP HEIGHT MINIMUM)



FINGER-JOINTED KILN DRY WOOD SIDE JAMB (1-1/4" X 4-9/16" WITH 1/2" STOP HEIGHT MINIMUM)

(3) FOR 7'0" HEIGHT OR SMALLER
(4) FOR HEIGHTS GREATER THAN 7'0"

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT

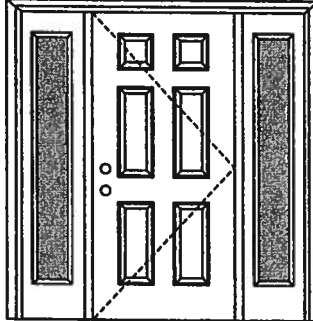


Test Data Review Certificate
#3026447A; #3026447B;
#3026447C and COP/Test Report
Validation Matrix #3026447A-001,
002, 003; #3026447B-001, 002,
003; #3026447C-001, 002, 003
provides additional information -
available from the ITS/WH website
(www.etsamko.com), the Masonite
website (www.masonite.com) or
the Masonite technical center.

OXO

Opaque Inswing Unit

COP-WL-JH4104-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Warnock Hersey



Test Data Review Certificate #3028447A and COP/Test Report Validation Matrix #3028447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Single Door with 2 Sidelites
Maximum unit size = 8'0" x 6'8"

Design Pressure

+57.0/-57.0 with maximum sidelite panel width of 1'2"

+45.0/-45.0 with maximum sidelite panel width of 3'0"

limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED on opaque panels, but is required on glazed panels.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0004-02 or MAD-WL-MA0007-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0004-02.

APPROVED DOOR STYLES:

Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

Johnson™
EntrySystems

June 17, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR^{Collection}
Premium Quality Doors

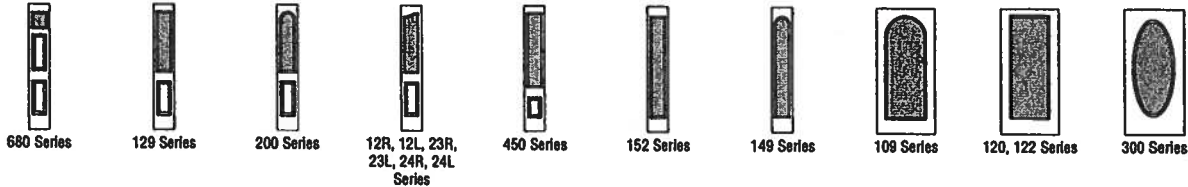


Exclusively from

Masonite®
Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED SIDELITE STYLES:



CERTIFIED TEST REPORTS:

NCTL 210-1905-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL-210-1880-7, 9, 10, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Sidelite panels glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

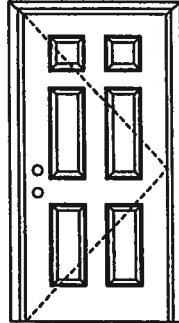


Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itsmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

Johnson™
EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from

Masonite®
Masonite International Corporation

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthaz

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itsamko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

2

Johnson™
EntrySystems

June 17, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



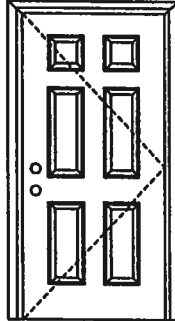
Exclusively from

Masonite®
Masonite International Corporation

X

Opaque Outswing Unit

COP-WL-JH4121-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".



Test Data Review Certificate #3028447A and COP/Test Report Validation Matrix #3028447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0

limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0011-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

1

Johnson™
EntrySystems

June 17, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from

Masonite®
Masonite International Corporation

X

Opaque Outswing Unit

COP-WL-JH4121-02

WOOD-EDGE STEEL DOORS**CERTIFIED TEST REPORTS:**

NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).



State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itsmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

2

Johnson
EntrySystems

June 17, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from

Masonite

Masonite International Corporation



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Premdor Entry Systems
911 E. Jefferson, P.O. Box 76
Pittsburgh, KS 66762

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Notice of Acceptance (NOA) of:
Entergy 6-8 S/E Inswing Opaque Double w/sidelites Residential Insulated Steel Door
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0314.23
EXPIRES: 04/02/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 06/05/2001

Premdor Entry Systems

ACCEPTANCE No. 01-0314.23

APPROVED : JUN 05 2001

EXPIRES : April 02, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This renews the Notice of Acceptance No. 00-0321.25 which was issued on April 28, 2000. It approves a residential insulated door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The Series Entergy 6-8 S/E Inswing Opaque Double Residential Insulated Steel Doors with Sidelites-Impact Resistant Door Slab Only and its components shall be constructed in strict compliance with the following documents: Drawing No 31-1029-EM-I, Sheets 1 through 6 of 6, titled "Premdor (Entergy Brand) Double Door with Sidelites in Wood Frames with Bumper Threshold (Inswing)," prepared by manufacturer, dated 7/29/97 with revision C dated 01/11/00, 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications of pair of doors and single door only, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.
- 3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

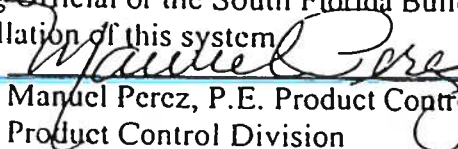
- 4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters):
- 4.2.1 Door: the installation of this unit will not require a hurricane protection system.
- 4.2.2 Sidelite: the installation of this unit will require a hurricane protection system.

5. LABELING

- 5.1 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".

6. BUILDING PERMIT REQUIREMENTS

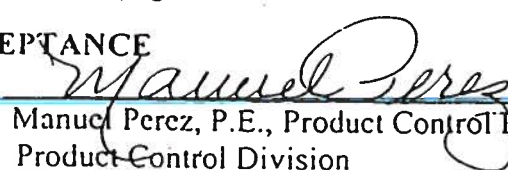
- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

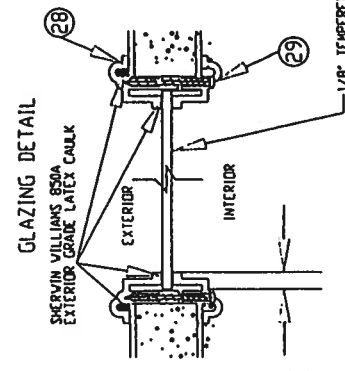
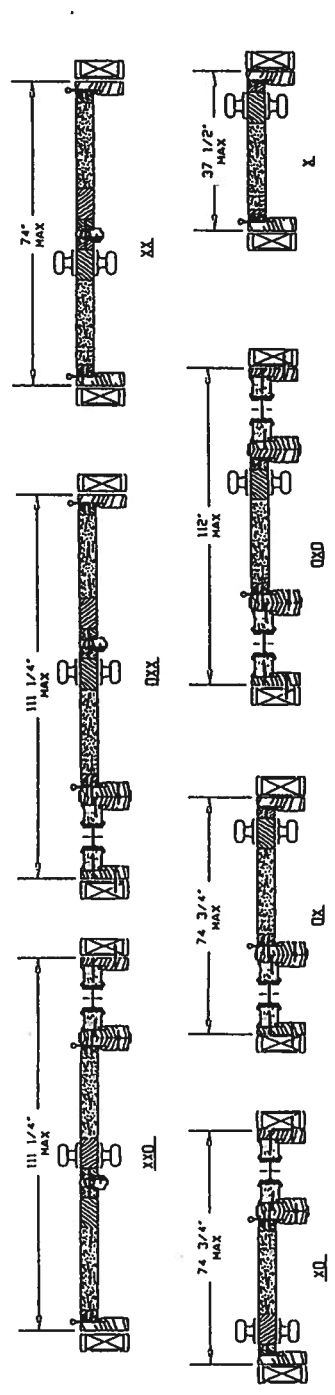
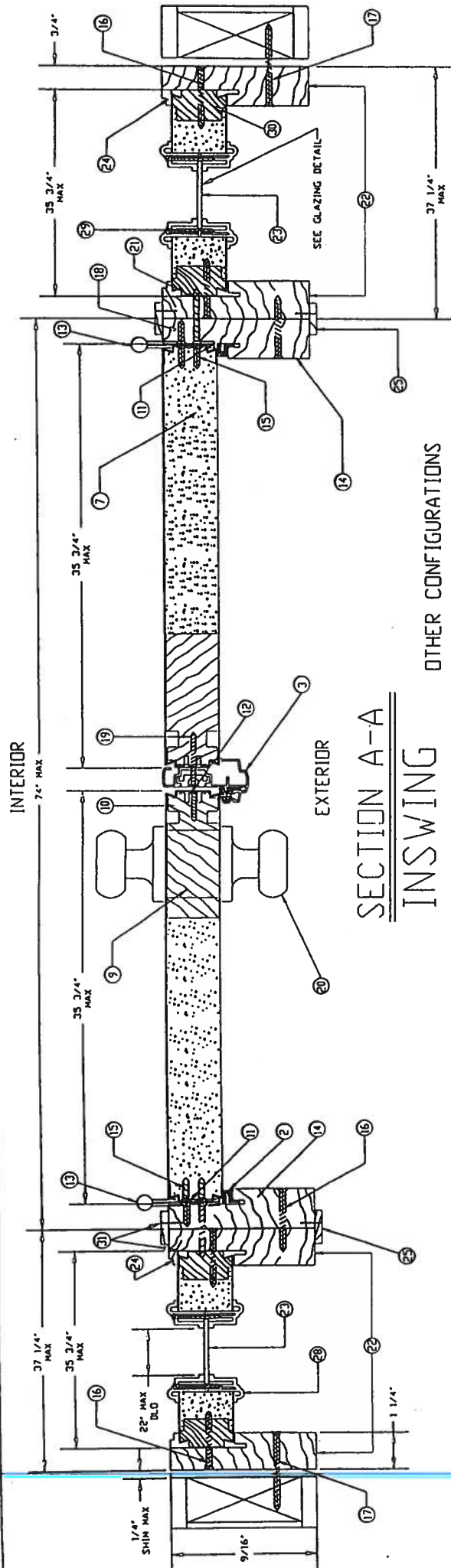

Manuel Perez, P.E. Product Control Examiner
Product Control Division

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE


Manuel Perez, P.E., Product Control Examiner
Product Control Division



1/2\"/>

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JUN 05 2011
 BY *Matthew J. [Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0314-23

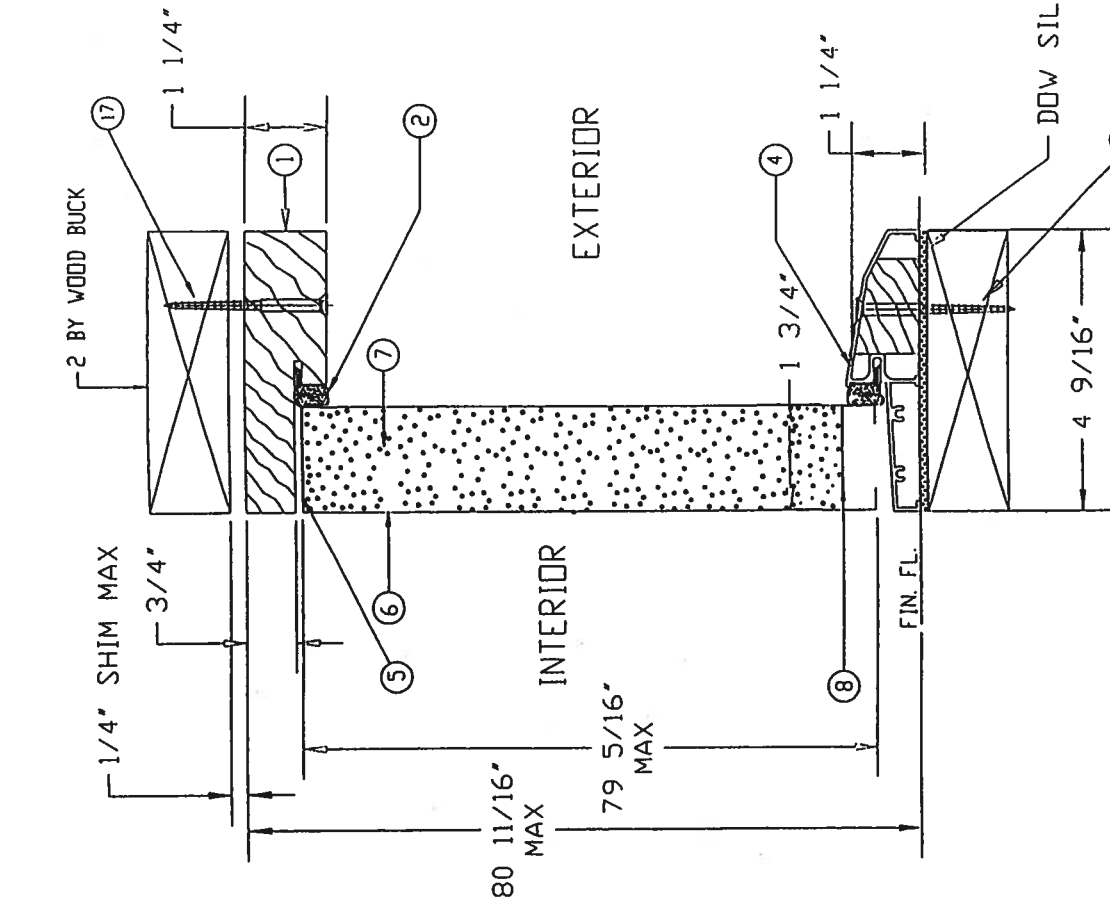
UNIVERSITY BUILDING INC. INC. INC.
 ENTERING VALUES INTO THE CODE BOOKS
 ENGINEER

DATE COUNTY MODIFICATIONS FROM JO
 B LATEST PAGE 5 COLOR OPTIONS 10-0-00 RS
 A ADD SCALES TO LITE FRAMES & 10-0-11
 A ADD OTHER COLOR CONFIGURATIONS 10-0-11
 10-0-11
 10-0-11
 10-0-11

PREMIER ENTRY SYSTEMS
 31-1029-EM-1
 SHEET 2 OF 6
 REVISED 10/10/00 C

MATERIALS LIST

ITEM NO.	DESCRIPTION	PART NUMBER	COMMENTS
1	WOOD HEAD JAMB	EM-14	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
2	COMPRESSION WEATHERSTRIP	EM-25	LOCKSCREEN BRAND LOWSEAL 9650 (BRONZE)
3	ALUMINUM ASTRAGAL	EM-12	PREMIOR BRAND OR EQUIVALENT - 5/8" ALUMINUM ASTRAGAL
4	ALUMINUM-BUMPER THRESHOLD	EM-15	PREMIOR BRAND OR EQUIVALENT - 1 1/4" X 4 9/16"
5	TOP CHANNEL	EM-08	PREMIOR BRAND - 1 1/16" - 20 GA STEEL
6	STEEL SKIN	26 GA (017) 1004 - 0000	MAX THICKNESS PER TOLERANCE TEST REPORT IS REQ.
7	POLYURETHANE FOAM CORE	BASF FOAM - DENSITY 2.0 TO 2.5 LBS./FT ³	
8	BOTTOM CHANNEL	EM-07	PREMIOR BRAND - 1 1/16" - 20 GA STEEL
9	WOOD LOCK BLOCK	EM-09	4" X 9 1/2" MTL. TO BE PINE OR EQUIVALENT
10	STRIKE STILE	EM-06	PREMIOR BRAND - 1 1/16" - 20 GA STEEL
11	HINGE STILE	EM-05	PREMIOR BRAND - 1 1/16" - 20 GA STEEL
12	LOCK PREP FILLER PLATE	EM-10	PREMIOR BRAND - .050" THICK- MTL. TO BE POLYETHYLENE
13	4"x4" HINGE	EM-16	HAGER BRAND HINGE OR EQUIVALENT - .097 THICK (STEEL)
14	WOOD HINGE JAMB	EM-13	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
15	110-24 x 1/2" F.H.V.S.		(14) SCREWS PER HINGE INTO DOOR
16	110 X 2" F.H.V.S.		(15) SCREWS THROUGH HINGE JAMB INTO SIDELITE JAMB, 8" DOWN FROM TOP MAX 18" O.C. THEREAFTER
17	10 F.H.V.S. VARIOUS 1 1/2" LONG SHORT FOR 2 1/2" DIA. LATCHES VARIOUS 1 1/2" LONG SHORT		(16) SCREWS THROUGH STRIKE JAMB INTO SIDELITE JAMB, 4" DOWN FROM TOP MAX 18" O.C. THEREAFTER
18	110 X 3/4" F.H.V.S.		(17) REFER TO ELEVATION VIEW, FOR # OF SCREWS USED AND LOCATIONS
19	110 X 2" F.H.V.S.		(2) SCREWS PER HINGE INTO JAMB
20	LOCKSET		(2) SCREWS AT EACH STRIKE PLATE
21	110 X 1 3/4" F.H.V.S.		KVIKSET BRAND 200 LOCK OR HARLOC BRAND 100 LOCK
22	WOOD SIDELITE JAMB	EM-18	(2) SCREWS PER HINGE INTO JAMB
23	22" X 64" SINGLE PANEL GLASS	EM-19	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
24	SIDELITE TRIM (WOOD)	EM-20	TEMPERED GLASS IN POLYPROPYLENE FRAME- DC-1643 - 100L-2
25	WOOD CASING	EM-21	5/16" X 1 1/2" MTL. TO BE PINE OR EQUIVALENT
26	WOOD SIDELITE HEAD JAMB	EM-22	FOR 1 1/2" MTL. TO BE PINE OR EQUIVALENT - ITEMS ARE HOLDINGS USED FOR STILE BY STILE JAMBS AS MULLIONS
27	WOOD SIDELITE BASE	EM-23	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
28	POLYPROPYLENE LITE FRAME	DC-1643, 100L-2	HP Polypropylene by GDL
29	1/2" X 1 1/2" PAN HEAD SCREWS		SCREWS SPECIFIC TO BE 3" IN FROM EACH CORNER AND NOT 18" PER FRAME TO EXCEED 18" ON THESE LITE
30	SIDELITE STILES	EM-25	15/16" X 1 1/16" MTL. TO BE PINE OR EQUIVALENT
31	PIN NAIL		2 1/4" LONG NAIL, 4" IN FROM END, MAX 8" O.C. THEREAFTER, USED ON MULLIONS AND TRIM



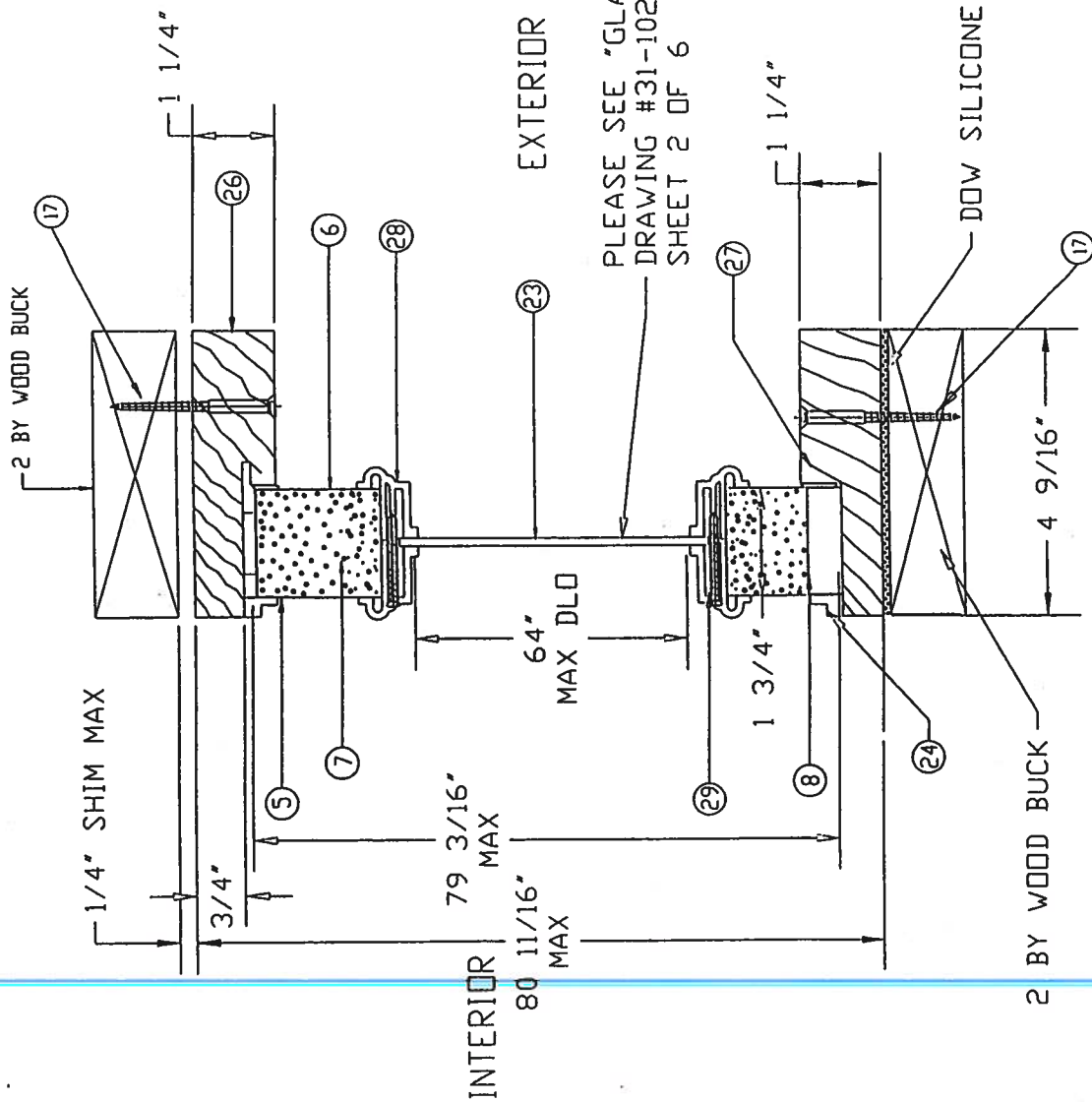
#995

DOW SILICONE

SECTION B-B

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: JUN 15 2001
BY: [Signature]
PROJECT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.2.3

LIMITS: UNLESS NOTED, FRAM. : DEC : ANG. :		B. DATE COUNTY MODIFICATIONS		1/1/18 J.D.	
EXTRUSIONS: UNLESS NOTED, STD. COM. 100'S		A. ADDED PAGE 5 (COLOR OPTIONS)		10-1-98 R.S.	
ENGINEER:		LIT. REVISIONS		DATE BY	
DR. BY R.S.		DATE 7-29-97		SCALE:	
PREMIOR ENTRY SYSTEMS					
911 E. JEFFERSON					
PITTSBURGH, KS. 66762					
31-1029-EM-I					
SHEET 3 OF 6					
REVISION LETTER B					



PLEASE SEE "GLAZING DETAIL"
DRAWING #31-1029-EM-I
SHEET 2 OF 6

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2005
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314-23

SECTION C-C

DR. BY	R.S.	DATE	7-29-97	SCALE	
ENGINEER					
PART NAME	ENTRY SYSTEM	EDGE	SUBMIT CC-C2		
REVISIONS					
A	ADD SCREWS TO LITE FRAME & MATERIAL LIST	12-18-97	R.S.		
B	ADDED PAGE 5 (DOOR OPTIONS)	10-15-98	R.S.		
C	MATERIAL WAS POLYSTYRENE	6-2-99	R.S.		
D	DADE COUNTY MODIFICATIONS	3/11/01	J.D.		

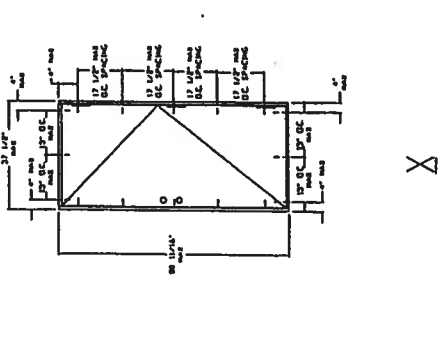
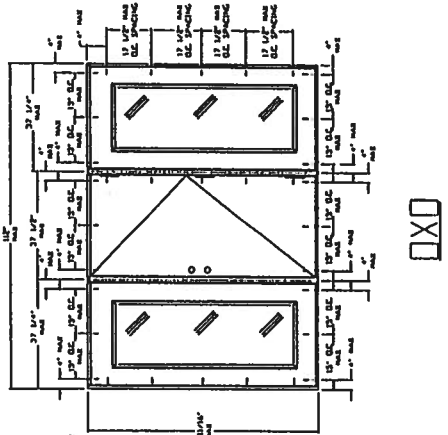
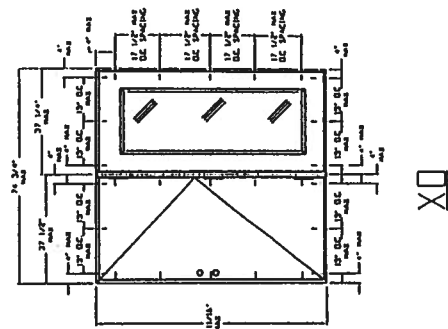
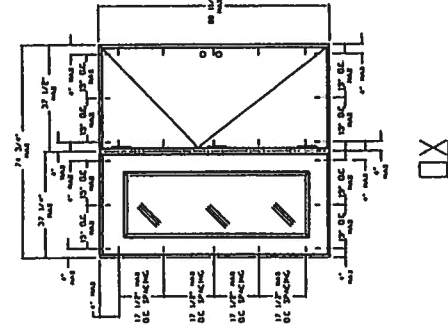
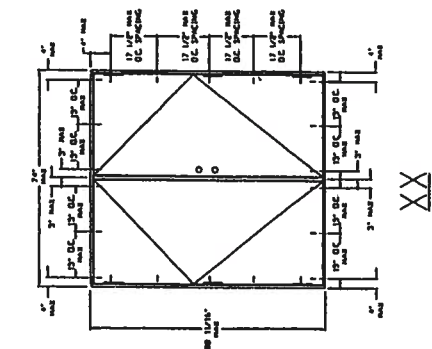
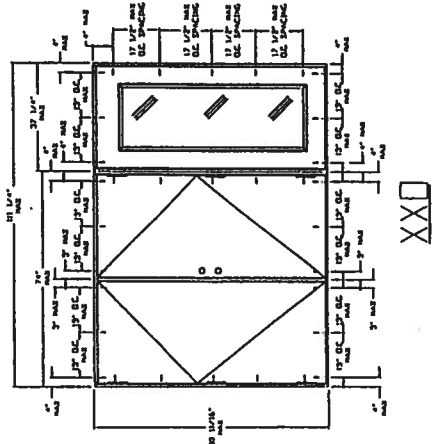
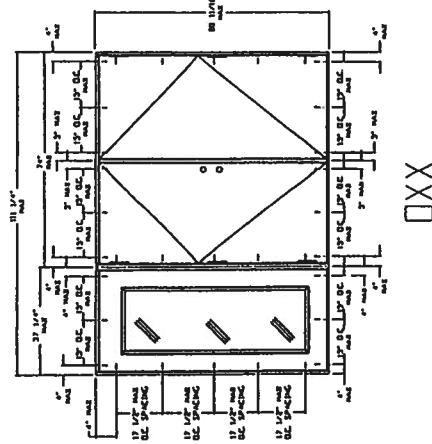
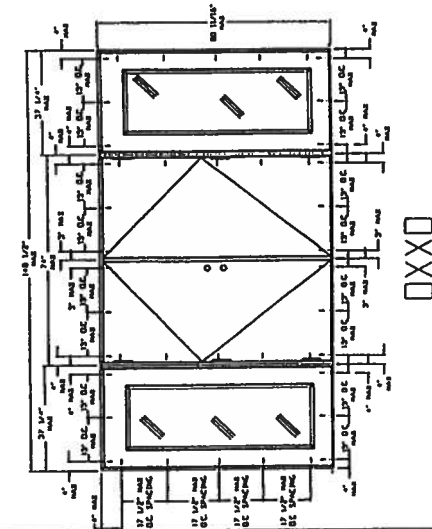
LIMITS: UNLESS NOTED, FRAC. : DEC : ANG :
EXTENSIONS: UNLESS NOTED, STD. CONFL. ILL. S.

31-1029-EM-I
SHEET 4 OF 6

PREMIER ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURGH, PA. 15212

REVISION LETTER D

OTHER DOOR CONFIGURATIONS



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2009
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-03 14. 2.3

LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :		ENGINEER:	
EXTRUSIONS UNLESS NOTED, STD. COM. 101.5.		DATE 1-11-01	
PREMIOR ENTRY SYSTEMS		PART NAME:	
911 E. JEFFERSON		SCALE:	
PHILADELPHIA, PA 19106		SHEET 5 OF 6	
31-1029-EM-I		REVISION LETTER	
LIP		DATE	
BY		BY	

OTHER DOOR PANEL STYLES

79 5/16" MAX
36" MAX

BLANK TOP
4-PANEL

6-PANEL

4-PANEL

9-PANEL

10-PANEL

18-PANEL

FLUSH

8-PANEL

CROSSBUCK

12-PANEL

4-PANEL
EYEBROW

5-PANEL
V/SCROLL

5-PANEL
EYEBROW
V/SCROLL

5-PANEL

5-PANEL
EYEBROW

OTHER SIDELITE STYLES

79 3/16" MAX
36" MAX

SL-10

SL-20

SL-30

SL-60

SL-20

SL-698

SL-69C

SL-25

SL-55

SL-300

SL-90A

SL-90B

SL-90C

SL-308

SL-70

SL-80

SL-10

SL-20

SL-30

SL-60

SL-20

SL-698

SL-69C

SL-25

SL-55

SL-300

SL-90A

SL-90B

SL-90C

SL-308

SL-70

SL-80

PD-1

PD-2

PD-3

PD-4

PD-5

PD-6

PD-8

PD-9

PD-10

PD-11

PD-12

PD-13

PD-14

PD-15

PD-16

PD-17

PD-1

PD-2

PD-3

PD-4

PD-5

PD-6

PD-8

PD-9

PD-10

PD-11

PD-12

PD-13

PD-14

PD-15

PD-16

PD-17

PD-18

PD-19

PD-20

PD-21

PD-22

PD-23

PD-24

PD-25

PD-26

PD-27

PD-29

PD-30

PD-31

PD-32

PD-33

PD-34

PD-18

PD-19

PD-20

PD-21

PD-22

PD-23

PD-24

PD-25

PD-26

PD-27

PD-29

PD-30

PD-31

PD-32

PD-33

PD-34

PD-35

PD-36

PD-37

PD-38

PD-39

PD-40

PD-41

PD-42

PD-43

PD-43A

PD-43B

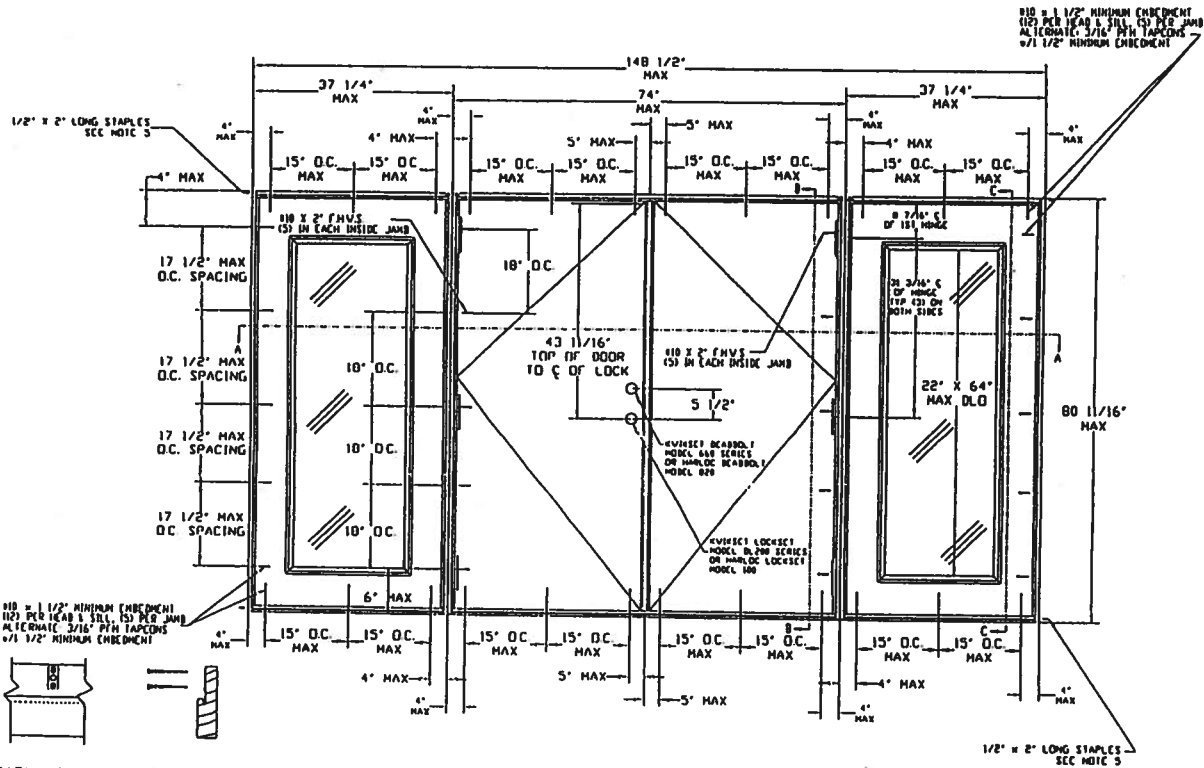
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY *[Signature]*
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO 01-6314-2.3

LIMITS: UNLESS NOTED, FRAC : DEC : ANG :
EXTRUSIONS UNLESS NOTED, STD COM. 10.5

ENGINEER: *[Signature]*
DATE 12/15/01
PART NAME: PREMOR DOOR OPTIONS
SCALE: 1/4" = 1'-0"

31-1029-EM-1
SHEET 6 OF 6
REVISION LETTER

PREMDOR (ENTERGY BRAND) DOUBLE DOOR
WITH SIDELITES IN WOOD FRAMES
WITH BUMPER THRESHOLD (INSWING)



ATTACH ASTRAGAL THROW BOLT
STRIKE PLATE TO THE HEADER
AND THRESHOLD WITH #10 x 1 3/4"
FLATHEAD SCREWS

NOTES:

2.) WOOD DUCKS BY OTHERS. MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3.) THE PRECEDING DRAWINGS ARE INTENDED TO QUALIFY THE FOLLOWING INSTALLATIONS.

1. WOOD FRAME CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD JOIST.

1. MASONRY OR CONCRETE CONSTRUCTION WHERE
DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY
STRUCTURAL WOOD BUCK.

.. MASONRY OR CONCRETE CONSTRUCTION WHERE

DOOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE
OR MASONRY WITH OR WITHOUT A NON-STRUCTURAL
LINE BY WOOD BUCK.

1. ALL ANCHORING SCREWS TO BE W10 WITH
MINIMUM 1 1/2" EMBEDMENT INTO WOOD SUBSTRATE
OR 3/16" PFH TAPCONS WITH 1 1/2" MINIMUM EMBEDMENT
INTO MASONRY.

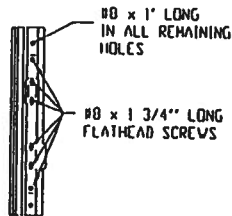
UNIT MUST BE INSTALLED WITH 'MIAMI-DADE COUNTY
APPROVED' SHUTTERS

THREE STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES
AND DOOR, THREE STAPLES PER JAMB INTO THRESHOLD ON
SIDELITES AND DOOR.

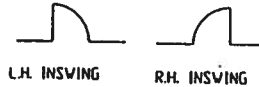
. LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE
AMBS AND SIDELITES.

DOOR/SIDELITE HEADER, DOOR/SIDELITE JAMBS, AND SIDELITE BASE
 CORNERS ARE COPED AND BUTT JOINED.

1. DOORS SHALL BE PRE-PAINTED WITH A WATER-BASED EPOXY RUST INHIBITIVE PRIMER PAINT WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.
2. FRAMES SHALL BE PRE-PAINTED WITH AN ACRYLIC LATEX WATER-BASED/ WATER-REDUCIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.



ASTRAGAL



L.H. INSWING

R.H. INSWING

DESIGN PRESSURE RATINGS		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED *	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
Positive	NOT APPROVED *	+55.0 psf
Negative	NOT APPROVED *	-55.0 psf

* UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES. UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

APPROVED AS COMPLYING WITH THE

SOUTH FLORIDA BUILDING CODE
JULY 1, 2004

DATE JUN 05 2001

BY Michael Lee

PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE

LOADS UNLESS NOTED, FRAC. :	ALL :	AVE :	C	DATE COUNTY MODIFICATIONS	11/17/00	JD
EXTENSIONS UNLESS NOTED, STR. COM. IN :			A	ADDED PAGE 5 (DOOR OPTIONS)	12-1-98	RS
ENGINEER:			B	ADD OTHER DOOR CONFIGURATIONS	12/16/97	RS
			11A	REVISIONS	DATE	BT
DR BY R.S.	DATE 7-29-97			PART NAME: EXTERIOR DOOR (GRAY DOOR) DOOR W/STAINLESS		
SCALE: N.T.S.						

PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURGH, PA. 15212

31-1029-EM-I
SHEET 1 OF 6

SERIES 420/430/440 SLIDING GLASS DOORS

THIS FENESTRATION PRODUCT COMPLIES* WITH THE
NEW FLORIDA BUILDING CODE

FOR RESIDENTIAL BUILDINGS WITH A MEAN ROOF HEIGHT OF 30 FT. OR LESS,
EXPOSURE "B" (WHICH IS INLAND OF A LINE THAT IS 1500' FROM THE COAST),
AND WALL ZONE "5" (INSTALLED NEAR THE CORNER OF A BUILDING).

PER ASTM E1300, THE CORRECT GLASS THICKNESS, BASED ON THE NEGATIVE
DESIGN PRESSURE (DP) LISTED BELOW, HAS BEEN INSTALLED IN THIS UNIT.
THE GLASS THICKNESS IS BASED ON ITS' WIDTH, HEIGHT, AND ASPECT RATIO.

STANDARD 6'- 8" HIGH PANELS ARE NON REINFORCED

6'-8" HIGH	2'- 6" WIDE	DP +54 / -54
	3'- 0" WIDE	DP +47 / -47
	4'- 0" WIDE	DP +39 / -39
	5'- 0" WIDE	DP +35 / -35

STANDARD 8'- 0" HIGH PANELS ARE STEEL REINFORCED

8'-0" HIGH	2'- 6" WIDE	DP +57 / -57
	3'- 0" WIDE	DP +49 / -49
	4'- 0" WIDE	DP +40 / -40
	5'- 0" WIDE	DP +35 / -35

SPECIAL ORDER 6'- 8" HIGH PANELS - WITH STEEL REINFORCEMENT



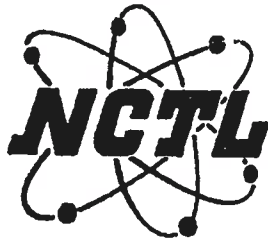
BOX TO BE CHECKMARKED
AT FACTORY IF REINFORCED

2'- 6" WIDE	DP +71 / -71
3'- 0" WIDE	DP +62 / -62
4'- 0" WIDE	DP +52 / -52
5'- 0" WIDE	DP +46 / -46

THIS PRODUCT MEETS THE REQUIREMENTS FOR STRUCTURAL LOADS, WATER AND
AIR INFILTRATION PER ATTACHED AAMA PERFORMANCE LABEL. BE ADVISED THAT
IF LOADS ARE PLACED UP TO OR EXCEEDING THE TESTED LEVELS, THIS PRODUCT
MAY BE ALTERED IN SUCH A WAY THAT FUTURE PERFORMANCE WILL BE REDUCED.

* COMPLIANCE MUST INCLUDE INSTALLATION ACCORDING TO
MANUFACTURER'S INSTRUCTIONS AND FLORIDA CODE REQUIREMENTS.

MIP-687



NATIONAL CERTIFIED TESTING LABORATORIES

1464 GEMINI BOULEVARD • ORLANDO, FLORIDA 32837
PHONE (407) 240-1358 • FAX (407) 240-8882

STRUCTURAL PERFORMANCE TEST REPORT

Report No: NCTL-210-2065-1
Test Date: 06-21-00
Report Date: 09-25-00
Expiration Date: 09-25-04
Revision Date: 01/31/02

Client: MI Home Products
4314 Route 209
Elizabethville, 17023-8438

Test Specimen: Better Bilt Aluminum Product's Series "420" Type OXX Aluminum Sliding Glass Door. (SGD-C35)(Single Glazed)(Steel Reinforced)(with and without sill riser).

Test Method: AAMA/NWWDA 101/I.S.2-97, "Voluntary Specifications for Aluminum, Vinyl (PVC), and Wood Windows and Glass Doors."

Revision Note: Sill leg extension was revised from 1-1/8" to 1-1/4"

TEST SPECIMEN DESCRIPTION

General: The sample tested was a three (3) panel type OXX aluminum sliding glass door measuring 15-1-3/4" wide x 8'0-1/8" high overall. The active panel measured 5'0-1/2" wide by 7'11-1/8" high; the fixed panel measured 5'0-7/8" wide by 7'11-1/8" high. Frame and panel members were not thermally broken. A plastic spacer/guide was used at each panel head/stile corner. The fixed panel was secured to the jamb with two (2) 3" long aluminum angle retainers each fastened to the jamb stile with two (2) (#8 x 3/4") pan head screws. One (1) claw type door lock assembly was located at 40" from the bottom of each active panel lock stile each with two (2) screws. One (1) adjustable metal roller assembly was used at each end of the active bottom rails. The frame was of double screw coped corner construction. Panel corners were of single screw at bottom rail and double screw at the top rail. The interior vertical sill leg employed an extruded aluminum 1-1/4" high extension; an overall height of 2.031. One (1) aluminum panel retainer was fastened at 2" from each of the active panel bottom rail. One (1) extruded aluminum female panel adapter was fastened to the fixed panel but stile with five (5) (#8 x 1/2") screws. One extruded aluminum screen adapter was fastened to the butt stile using five (5) (#8 x 1/2") screws.

Installation: The main frame was fastened to the wood test buck using forty-eight (48) (#8 x 1/2") FHS. (See fastener diagram.)



MI Home Products

2

NCTL-210-2065-1

Reinforcement: One (1) U-shaped galvanized steel reinforcing channel measuring 1-3/4" x 3/4" x 1/16" thick filled the length of the panel adapter stile. One (1) U-shaped galvanized steel reinforcing channel measuring 3/4" x 7/8" x 1/16" thick filled the length of each interlock stile.

Glazing: All panels were channel glazed using 3/16" thick clear tempered glass with a flexible vinyl glazing bead.

Weatherseal: Double strips of centerfin weatherstrip (0.270" high) were located at each jamb, stile and lock stile. A double strip of centerfin weatherstrip (0.180" high) was located at each interlock stile. A double strip of centerfin weatherstrip (0.250" high) was located at each panel top rail. A double strip of side fin weathrstrip (0.430" high) was located at each panel bottom rail. An adhesive back polypile dust plug measuring 1-3/16" x 13/16" x 0.420" was located on the head and sill at each end of the vertical stile exterior track.

Weeps: One (1) weep notch measuring 1-1/2" x leg height was located at each end of the interior sill roller leg, exterior sill roller leg and screen sill roller leg.

Interior & Exterior Surface Finish: Non-painted aluminum

Sealant: Frame and panel bottom rail corners were sealed with a small-joint sealant.

Insect Screen: Two (2) insect screens, one (1) center insect screen measuring 5'0-1/4" wide by 7'11" high; Both were of coped corner construction. The screen employed fiberglass mesh cloth with a hollow vinyl spline. One (1) roller assembly was located at each end of the bottom rails. One (1) claw type lock assembly.

TEST RESULTS

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force Center Active Panel		
	To open	20 lbf	30 lbf
	In Motion	5 lbf	30 lbf
	Right Active Panel		
	To open	18 lbf	30 lbf
	In Motion	3 lbf	30 lbf
2.2.1.6.2	Deglazing - ASTM E987 Center Active Panel		
	Top Rail (50 lbf)	10.2 % (0.051")	100%
	Bottom Rail (50 lbf)	7.8 % (0.039")	100%
	Left Stile (70 lbf)	6.0 % (0.030")	100%
	Right Stile (70 lbf)	5.4 % (0.027")	100%



MI Home Products

3

NCTL-210-2065-1

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing - ASTM E987 Right Active Panel		
	Meeting Rail (50 lbf)	8.4 % (0.042")	<100%
	Bottom Rail (50 lbf)	8.4 % (0.042")	<100%
	Left Stile (70 lbf)	8.0 % (0.040")	<100%
	Right Stile (70 lbf)	6.2 % (0.031")	<100%
2.1.2	Air Infiltration 1.57 psf(25mph)	Passed	0.30cfm/ft ²
2.1.3	Water Resistance-(5.0GPH/FT/2) WTP=4.50 psf	No entry	No entry
2.1.4.2	Uniform Load Structural - ASTM E330 45.0 psf Exterior 45.0 psf Interior	0.245" 0.258"	0.381" 0.381"

OPTIONAL PERFORMANCE

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.3 *	Water Resistance - ASTM E547 & E331 5.0 gph/ft ² WTP =5.25 psf	No Entry	No Entry

Note: At this point in testing, an additional sill riser was attached to the existing main sill's interior vertical leg with the following results being obtained:

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.3 *	Water Resistance - ASTM E547 & E331 5.0 gph/ft ² WTP =6.00 psf	No Entry	No Entry
4.4.2	Uniform Load Structural - ASTM E330 52.5 psf Exterior 52.5 psf Interior	0.379" 0.380"	0.381" 0.381"

* Test performed with and without screen

TEST COMPLETED 07/15/98

Note: In addition, Better Bilt Auminum Products' Series "430" and "440" also received a SGD-C35 rating being identical in panel construction and interior sill leg heights.

This test specimen meets the performance criteria level of (SGD-C35) of the AAMA/AMA 101/IS. 2-97 specification. Detailed drawings were available for laboratory records and compared to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by NCTL for a period of four years. The results obtained apply only to the specimen tested.



BETTER BILT ALUMINUM PRODUCTS
FLORIDA DOOR SERIES 420
COMPARATIVE ANALYSIS CHART IN DESIGN PRESSURE

CA980370
 07-Jan-2002
 98-0801

PANEL WIDTH >>	24	30	36	42	48	54	60
PANEL HEIGHT V							
80	85	71	62	56	52	48	46
96	69	57	49	44	40	37	35

TEST REPORT NOS: NCTL-210-2086-1 & 2

DESIGN PRESSURE ACHIEVED IN TEST: POS. & NEG. 35.0 PSF

WATER TEST PRESSURE: 5.25 PSF (SILL - 1-1/2" HGT.)

6.0 PSF (1-1/2" SILL W/ .500" ADAPTER - 2" HGT. O.A.)

TEST SIZE: 181 3/4" X 96 1/8"

CONFIGURATION TESTED: OXX

GLAZING: 3/16" TEMPERED GLASS

REINFORCING: (1) STL. CHAN. 1-3/4" X 3/4"

X 1/16" @ ADAPTER STILE;

(1) STL. CHAN. 3/4" X 7/8"

X 1/16" @ EA. INTRILK STILE

LIMITATIONS:

THE ABOVE VALUES ARE STRUCTURAL DESIGN LOADS & HAVE NOT BEEN CAPPED BY WATER PERFORMANCE.

WATER PRESSURE REQUIREMENT OF 15% OF DESIGN LOAD APPLIES, POSITIVE DESIGN LOADS WOULD BE LIMITED

TO 35 PSF W/ 1-1/2" SILL & 40 PSF W/ 2" SILL.

PANEL WIDTHS AND HEIGHTS ARE NOMINAL.

PREPARED BY:

PRODUCT & APPLICATION ENGINEERING, INC.

250 INTERNATIONAL PARKWAY

SUITE 250

HEATHROW, FLORIDA 32748

PHONE 407 806-0365 FAX 407 806-0366



02-13-01

BETTER BILT ALUMINUM PRODUCTS

FLORIDA DOOR SERIES 420

COMPARATIVE ANALYSIS CHART IN DESIGN PRESSURE

CA860371

07-Jan-2002

98-0801

PANEL WIDTH >>	24	30	36	42	48	54	60
PANEL HEIGHT							
V							
80	64	54	47	42	39	37	35

TEST REPORT NOS: NCTL-210-2085-4 & 3

DESIGN PRESSURE: POS. & NEG. 35.0 PSF

WATER TEST PRESSURE: 6.25 PSF (SILL - 1-1/2" HGT.)

6.0 PSF (1-1/2" SILL W/ 1/2" ADAPTER - 2" HGT. O.A.)

TEST SIZE: 181 3/4" X 82 1/8"

GLAZING: 3/16" TEMPERED GLASS

REINFORCING: NONE

CONFIGURATION TESTED: OXX

LIMITATIONS:

THE ABOVE VALUES ARE STRUCTURAL DESIGN LOADS & HAVE NOT BEEN CAPPED BY WATER PERFORMANCE.
 WATER PRESSURE REQUIREMENT OF 15% OF DESIGN LOAD APPLIES. POSITIVE DESIGN LOADS WOULD BE LIMITED
 TO 35 PSF W/ 1-1/2" SILL & 40 PSF W/ 2" SILL.
 PANEL WIDTHS AND HEIGHTS ARE NOMINAL (IN INCHES).

PREPARED BY:

PRODUCT & APPLICATION ENGINEERING, INC.

250 INTERNATIONAL PARKWAY

SUITE 250

HEATHROW, FLORIDA 32748

PHONE 407 805-0365 FAX 407 805-0368



1



March 6, 2002

Subject: Elk Product Approval Information

All Prestique® and Capstone® products manufactured in Tuscaloosa, AL are certified under the Miami – Dade County Building Code Office (BCCO). These products also meet the requirements for the Florida Building Code since they are MD approved. The following test protocols must be passed by each of the products in order for MD product certification:

ASTM D3462

PA 100 (110 mph uplift and wind driven rain resistance)

PA 107 (Modified ASTM D3161 - 110 mph wind uplift resistance)

The nailing patterns that were used during the PA 100 and PA 107 wind test protocols for the Prestique and Capstone products are listed below. Also listed below are the Miami – Dade Notice of Acceptance Numbers (NOA).

Raised Profile, Prestique High Definition, Prestique 25, or Prestique 30 –

PA 100 = 4 nails

PA 107 = 5 nails

MD NOA# = 01-1226.04

Prestique I 35 or Prestique I* –

PA 100 = 4 nails

PA 107 = 5 nails

MD NOA# = 01-1226.05

Prestique Plus or Prestique Gallery Collection* –

PA 100 = 4 nails

PA 107 = 4 nails

MD NOA# = 01-1226.03

Capstone*

PA 100 = 4 Nails

PA 107 = 4 Nails

MD NOA# = 01-0523.01

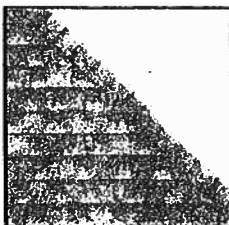
* As per the Elk Limited Warranty, six nails are required for the Elk high wind warranty.

If there are any questions please contact:

Mike Reed – Technical Manager
(205) 342-0287

or

Daniel DeJarnette – QA Engineer
(205) 342-0298



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE™

Prestique® High Definition

Product size	13 1/2" x 39 1/2"	50-year limited warranty period:
Exposure	5"	non-prorated coverage for
Pieces/Bundle	16	shingles and application labor for
Bundles/Square	4/98.5 sq.ft.	the initial 5 years, plus an option
Squares/Pallet	11	for transferability*; prorated
		coverage for application labor and
		shingles for balance of limited
		warranty period; 5-year limited
		wind warranty*.

Raised Profile™

Product size	13 1/2" x 38"	30-year limited warranty period:
Exposure	5"	non-prorated coverage for
Pieces/Bundle	22	shingles and application labor for
Bundles/Square	3/100 sq.ft.	the initial 5 years, plus an option
Squares/Pallet	16	for transferability*; prorated
		coverage for application labor and
		shingles for balance of limited
		warranty period; 5-year limited
		wind warranty*.

Prestique® High Definition

Product size	13 1/2" x 39"	40-year limited warranty period:
Exposure	5"	non-prorated coverage for
Pieces/Bundle	16	shingles and application labor for
Bundles/Square	4/98.5 sq.ft.	the initial 5 years, plus an option
Squares/Pallet	14	for transferability*; prorated
		coverage for application labor and
		shingles for balance of limited
		warranty period; 5-year limited
		wind warranty*.

HIP AND RIDGE SHINGLES

Size:	12" x 12"
Exposure:	6"
Pieces/Bundle:	45
Coverage:	4 Bundles = 100 linear feet

Prestique® High Definition

Product size	13 1/2" x 38"	30-year limited warranty period:
Exposure	5"	non-prorated coverage for
Pieces/Bundle	22	shingles and application labor for
Bundles/Square	3/100 sq.ft.	the initial 5 years, plus an option
Squares/Pallet	16	for transferability*; prorated
		coverage for application labor and
		shingles for balance of limited
		warranty period; 5-year limited
		wind warranty*.

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Shakeswood, Sablewood, Hickory, Barkwood**, Forest Green, Wedgewood**, Birchwood**, Sandalwood, Gallery Collection: Balsam Forest®, Weathered Sage®, Sienna Sunset®.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

*See actual limited warranty for conditions and limitations.

**Check for product availability.

SPECIFICATIONS

Scope: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association: 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

MATERIALS: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low slopes (4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)), use two piles of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

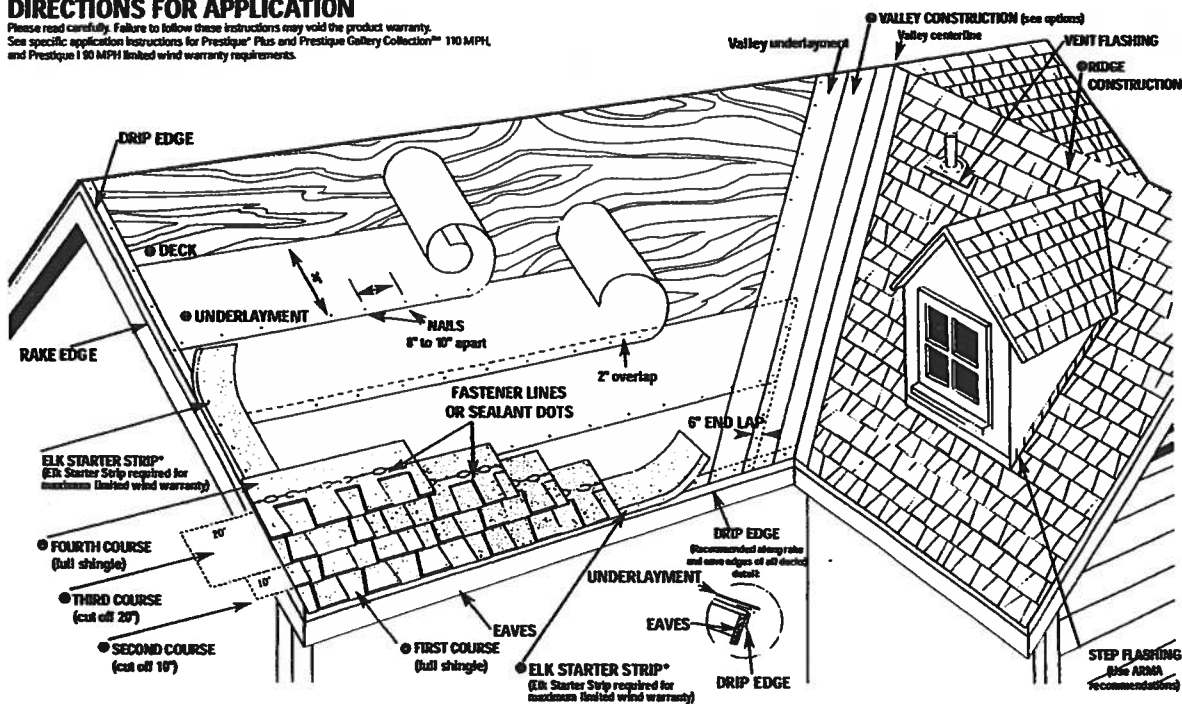
CORPORATE HEADQUARTERS:
800.354.7732

PLANT LOCATION:
800.945.5545

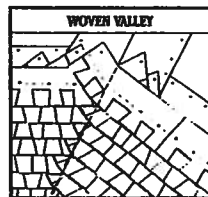
ELK
www.elkcorp.com

DIRECTIONS FOR APPLICATION

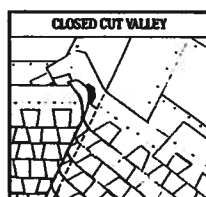
Please read carefully. Failure to follow these instructions may void the product warranty. See specific application instructions for Prestique® Plus and Prestique Gallery Collection™ 110 MPH, and Prestique 110 MPH limited wind warranty requirements.



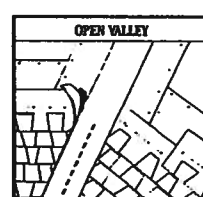
● VALLEY CONSTRUCTION OPTION (California Open and California Closed are also acceptable) NOTE: For complete ARMA valley installation details, see ARMA Residential Asphalt Roofing Manual.



VALLEY CENTER LINE



VALLEY CENTER LINE



VALLEY CENTER LINE

DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All edges should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

● DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/4" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

● UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Cover drip edge at eaves only.

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 18". Begin by fastening a 18" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Field Service Department for application specifications over other decks and other slopes.

● STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR A STRIP SHINGLE INVERTED WITH THE HEADLAP APPLIED AT THE EAVE EDGE. With at least 4" trimmed from the end of the first shingle, start at the rake edge overhanging the eave 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side. Shingles may be applied with a course alignment of 45° on the roof.

● FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course.

● SECOND COURSE

Start at the rake with the shingle having 10" trimmed off and continue across roof with full shingles.

● THIRD COURSE

Start at the rake with the shingle having 20" trimmed off and continue across roof with full shingles.

● FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof.

● VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturers Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying 18" metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

● RIDGE CONSTRUCTION

For ridge construction use Class "A" Seal-A-Ridge® with formula FLX® (See Ridge package for installation instructions.)

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Always nail or staple through the fastener line or on products without fastener lines, nail or staple between and in line with sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for roof-overs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less.

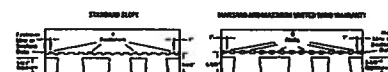
MANSARD APPLICATIONS

Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

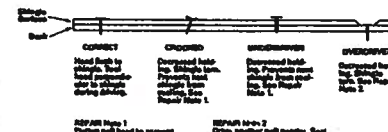
For a Limited Wind Warranty, all Prestique and Raised Profile® shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.

For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 80 MPH for Prestique 1, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique 1 shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4" of an inch.



HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along - and through - the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.

All Prestique and Raised Profile shingles have a ULL® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALE: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

© 2002 Elk Corporation of Dallas.

All trademarks, ®, are registered trademarks of Elk Corporation of Dallas, an ELCOR company. Raised Profile, RidgeCrest, Gallery Collection and FLX are trademarks pending registration of Elk Corporation of Dallas. UL is a registered trademark of Underwriters Laboratories, Inc.

ELK
www.elkcorp.com

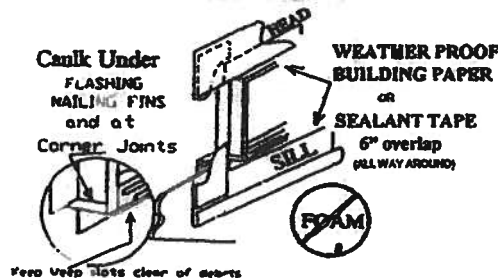
INSTALLATION INSTRUCTIONS ROUGH OPENING

Be sure to Check your window series size for correct call-out size.

FLASHING & INSTALLATION

1. All series of windows rough openings will be call out with exception of series 4300. Series 4300 rough opening requires $\frac{1}{2}$ " added to width and height.
2. **SILL:** Cut weather resistant building material (minimum 6" wide) to fit horizontally immediately below the sill extending 6" past each side of rough opening. Apply sealant to top lip of flashing and fasten across top. Leave bottom of sill flashing loose for further wall treatment.
3. **INSTALL WINDOW:** Apply sealant around interior side of nailing fin and to outside joints at each corner of the window. Use shim blocks as necessary to sit window level and square. Fasten with $1\frac{1}{2}$ " galvanized roofing nails or #8 sheet metal screws no less than 3" from corners and maximum 12" apart. Fasteners must be driven straight into wall, not at angle. Do not use power nailers as they may damage and bow nailing fin. Test opening sash during process.
4. **JAMBS:** Next, cut and apply sealant to edge of 6" weatherproof building material and fasten over window jamb nailing s. Jamb flashing should extend six inches above head and below sill.
5. **HEAD:** Apply sealant and fasten 6" weatherproof building material over window head nailing fin and extending on each side 6" to cover jamb flashing.
6. **NAILING:** Nailing fin is not a water-moisture barrier.
7. **COOLING - HEATING:** Vents facing windows can cause excessive condensation to form

FLASHING GUIDE



ATTENTION

Action Window Technology recognizes the California Association of Window Manufacturers (CAWM) Practice of Window Installation in Wood Frame Construction.

Proper flashing, or sealing, is necessary as a secondary barrier to stop water from entering between the window frame and rough opening. It is not Action Window Technology's responsibility to design or recommend a flashing system appropriate to each job condition.

The responsibility for properly installing a flashing system into a weather resistant barrier for the entire building is the responsibility of the General Contractor or his agent.

Action Window Technology guidelines do not supercede Federal, State or local codes

CONSULT WITH LOCAL BUILDING CODES BEFORE INSTALLATION.

CERTIFIED TESTING LABORATORIES

Architectural Division • 7252 Narcoossee Rd. • Orlando, FL 32822

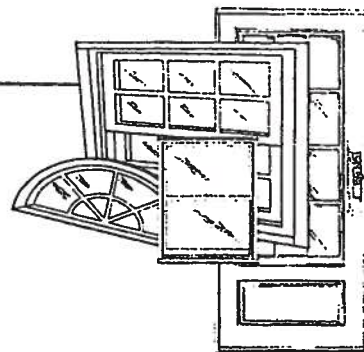
(407) 384-7744 • Fax (407) 384-7751

Web Site: www.ctlarch.com

E-mail: ctlarch.com

Report Number: CTLA-991W-1-AWT

Report Date: February 18, 2003



STRUCTURAL PERFORMANCE TEST REPORT

Client: ACTION WINDOOR TECHNOLOGY INC.
1312 W. CROSBY ROAD
CARROLLTON, TX 75006

Product Type and Series: AWT Series 3950 Vinyl Fin Frame Single Hung Window with Reinforced Sash Top Rail, Stiles & Meeting Rail H-R40 (36" x 72")

Test Specifications: AAMA/NWWDA 101/I.S.2-97 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"

Frame: Vinyl Fin frame measured 35.50" wide x 71.50" high overall. Mitered corner weld construction. Fixed meeting rail secured to each frame jamb with one (1) #8 x 2" PH., PH. screw.

Ventilator: Operable sash measured 33.375" wide x 35.25" high overall. Mitered corner weld construction. Clear lite measured 31.5625" high x 33.5625" high. Fixed lite measured 32.50" wide x 33.4375" high.

Weather Stripping: One (1) strip of woolpile .220" high with integral plastic fin frame sill. One (1) strip of woolpile .250" high with integral plastic fin sash top rail exterior. One (1) strip of woolpile .250" high each sash stile exterior leg. One (1) strip of woolpile .250" high with integral plastic fin each sash stile interior leg. One (1) strip of foam filled bulb weatherstrip sash bottom rail.

Hardware & Location: Two (2) metallic sweep locks located on sash top rail approx 8" from each end of rail. Two (2) metallic keepers located on fixed meeting rail. One (1) tilt latch at each end of sash top rail. One (1) block and tackle at each frame jamb. One (1) pivot bar at each end of sash bottom rail.

Glazing: 5/8" insulated annealed glass consisting of .125" glass .375" air space with swiggle .125" glass. Sash exterior glazed. Fixed lite interior glazed adhesive foam strip backbedding and vinyl snap in glazing bead.

Sealant: A silicone type sealant was used on sill and to seal specimen to test buck.

Weep System: Weep notch measuring 2.25" x leg height located each end of sill weeping to the exterior.

Muntins: N/A

Reinforcement: Fixed meeting rail has one (1) piece of extruded aluminum reinforcement measuring .662" wide x .755" high x .099" thick x full length. Top rail, and sash stiles has one (1) piece of extruded aluminum reinforcement measuring .590" wide x .995" high x .115" thick x full length.

Additional Description: N/A

Screen: Roll formed aluminum frame, fiberglass mesh with vinyl spline. Two (2) metallic retainer clips and two (2) metallic plungers. Corners secured with plastic corner keys

Installation: Twenty-six (26) 1.75" roofing nails were used to secure the specimen to the wood test buck. Five (5) were located in head and sill measuring 4", 13", 21", 29", and 33" from left jamb. Eight (8) were located in each jamb measuring 4.50", 14.25", 24", 32.75", 42", 57.25", 60.50" and 70" from sill.

Surface Finish: White Vinyl

Comment: Nominal 2 mil polyethylene film was used to seal against air leakage during structural loads. The film was used in a manner that did not influence the test results.

Performance Test Results

<u>Paragraph No</u>	<u>Title of Test</u>	<u>Method</u>	<u>Measured</u>	<u>Allowed</u>
2.1.2	Air Infiltration @1.57 psf	ASTM E283-91	.18 cfm/ft ²	.34 cfm/ft ²
The tested specimen meets or exceeds the performance levels specified in AAMA/NWWDA 101/I.S.2-97. Results recorded in two (2) decimals at the clients request. Unit tested with shims installed under cam locks.				
2.1.3	Water Resistance @ 5.0 gph/ft ²	ASTM E547-93 Four (4) five (5) minute cycles	No Entry	No Entry
	WTP= 6.75 psf	ASTM E331-93 Fifteen (15) minute duration	No Entry	No Entry
Unit tested with insect screen.				
2.1.3	Water Resistance @ 5.0 gph/ft ²	ASTM E547-93 Four (4) five (5) minute cycles	No Entry	No Entry
	WTP= 6 psf	ASTM E331-93 Fifteen (15) minute duration	No Entry	No Entry
Unit tested without insect screen.				
2.1.4.2	Uniform Load Structural Permanent Deformation @ 60 psf positive @ 60 psf negative	ASTM E330-90 Ten (10) second load	.015" .005"	.134" .134"
2.1.8	Forced Entry Resistance	AAMA 1302.5-76		
	Test A		0"	½"
	Test B		0"	½"
	Test C		0"	½"
	Test D, E and F		0"	½"
	Test G		0"	½"

Performance Test Results (continued)

<u>Paragraph No</u>	<u>Title of Test</u>	<u>Method</u>	<u>Measured</u>	<u>Allowed</u>
2.2.2.5.1	Operating Force Sash	AAMA/NWWDA 101/I.S.2-97	18 lbs.	30 lbs.
2.2.2.5.2	Deglazing	ASTM E987-88		
	Top Rail 70 lbs.		.039" = 7.8%<100%	
	Bottom Rail 70 lbs.		.038" = 7.6%<100%	
	Left Side 50 lbs.		.050" = 10%<100%	
	Right Side 50 lbs.		.035" = 7.0%<100%	
2.1.7	Welded Corner Test	AAMA/NWWDA 101/ IS2-97	Passed	

Test Date November 21, 2002

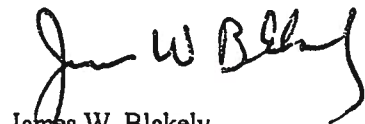
Test Completion Date: November 21, 2002

Remarks: Detailed drawings were available for laboratory records and comparison to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by CTL for a period of four (4) years. The results obtained apply only to the specimen tested.

This test report does not constitute certification of this product, but only that the above test results were obtained using the designated test methods and they indicate compliance with the performance requirements (paragraphs as listed) of the above referenced specifications.

Certified Testing Laboratories assumes that all information provided by the client is accurate and that the physical and chemical properties of the components are as stated by the manufacturer.

Certified Testing Laboratories, Inc.



James W. Blakely
Vice President
Architectural Division

cc: Action Windoor Technology Inc. (3)
 File (1)

1782.2	SERIES 3950 VINYL	BRICK MOLD
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: SERIES 2000 ALUMINUM-44 X 72 R55 SERIES 2000 ALUMINUM-47 X 71 R40 SERIES 4300 44 X 72 H-R30 SERIES 4300 44 X 72 H-R35 (MODIF) SERIES 3950 44 X 60 H-R40		Certification Agency Certificate Installation Instructions Verified By:

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

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

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

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

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

#26120

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 321 N.W. Cole Terrace, Suite 107 City Lake City State FL Zip 32055
Company Business License No. JB109478 Company Phone No. 386-765-3611 • 352-494-5751
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Tenest Corp Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 232 N.W. Key Xmas Ct. Lake City, FL 32055

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other None
Approximate Depth of Footing: Outside 12 Inside 12 Type of Fill None

Section 4: Treatment Information

Date(s) of Treatment(s) 8-28-07
Brand Name of Product(s) Used B-Terminator
EPA Registration No. 53883-189
Approximate Final Mix Solution % .06
Approximate Size of Treatment Area: Sq. ft. 2713 Linear ft. 213 Linear ft. of Masonry Voids 213
Approximate Total Gallons of Solution Applied 403
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☐ Yes ☒ No

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

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Brannon Certification No. (if required by State law) _____

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

Authorized Signature Steve Brannon Date 8-28-07

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

Form NPCA-99-B may still be used

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

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 01-3S-15-00128-011

Building permit No. 000026120

Use Classification SFD, UTILITY

Fire: 0.00

Permit Holder CONCEPT CONSTRUCTION

Waste:

Owner of Building RONALD RICE JR

Total: 0.00

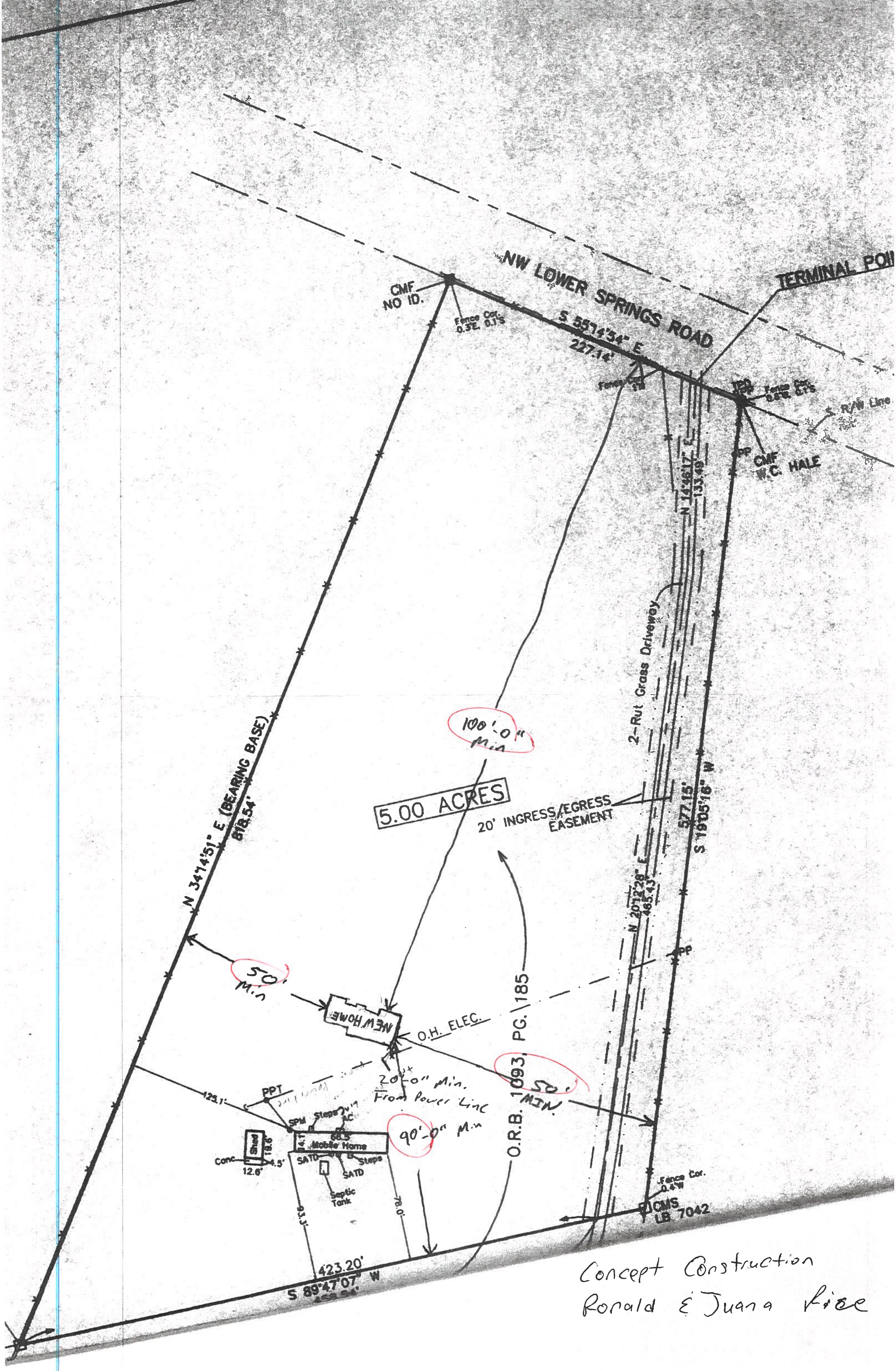
Location: 232 NW KEY LIME COURT, LAKE CITY, FL

Date: 01/24/2008

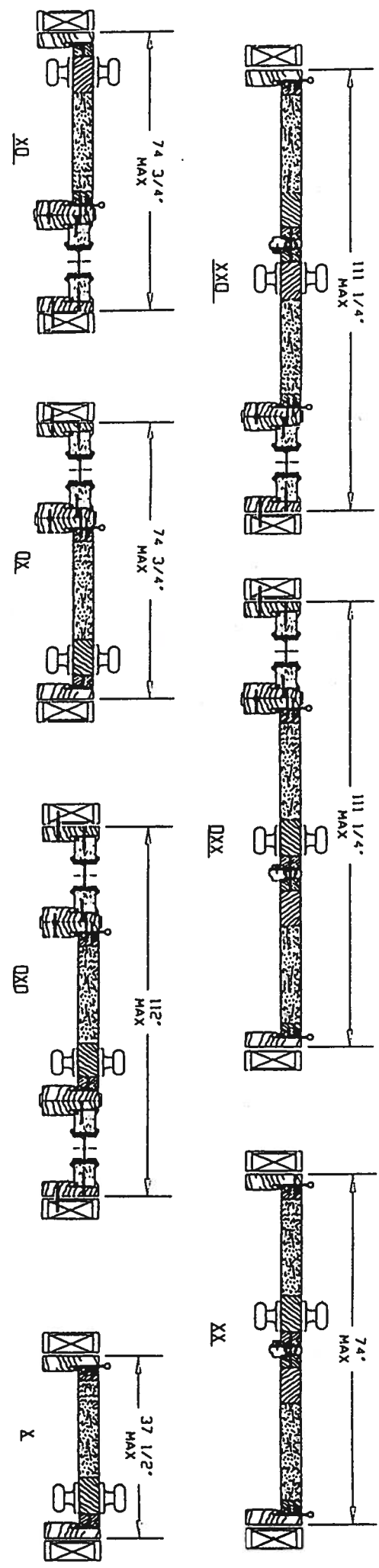
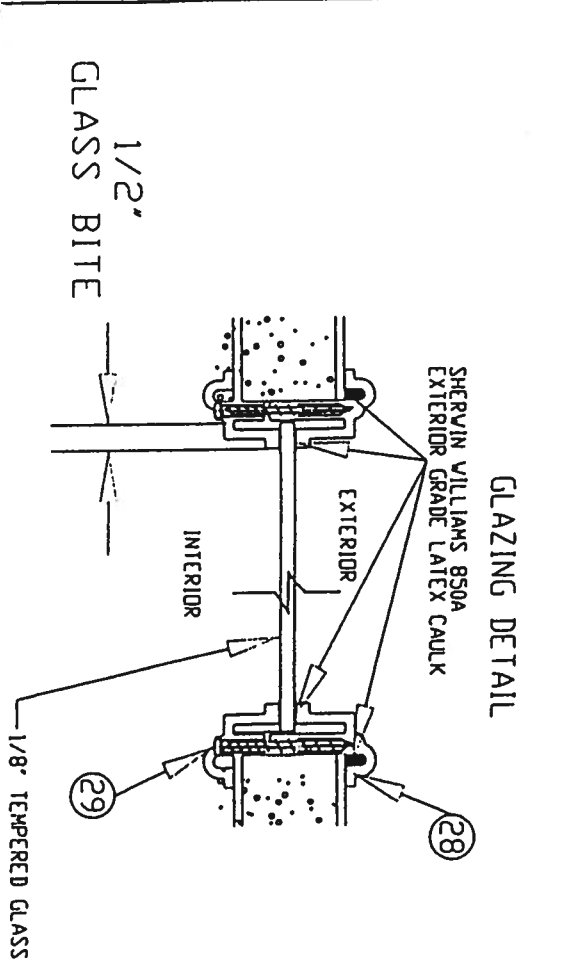
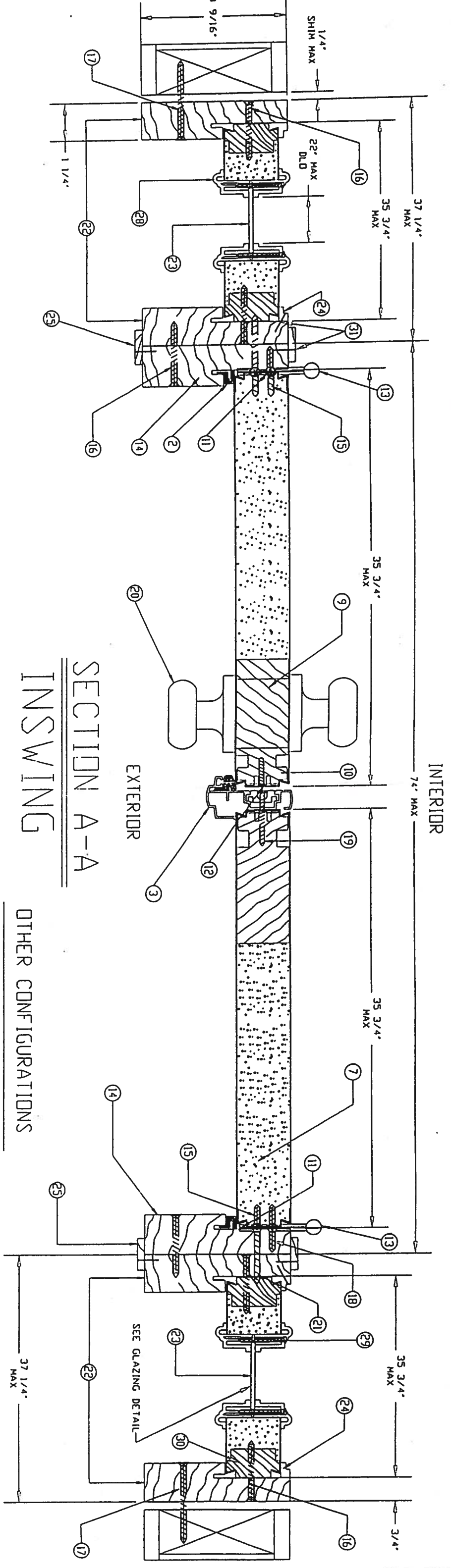


[Signature]
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Concept Construction
Ronald E Juana Rice



APPROVED AS CORRELATING WITH THE
SCOTT PLYMOUTH BUILDING CODE
DATE JUN 05 2001
BY *Maureen Evans*

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

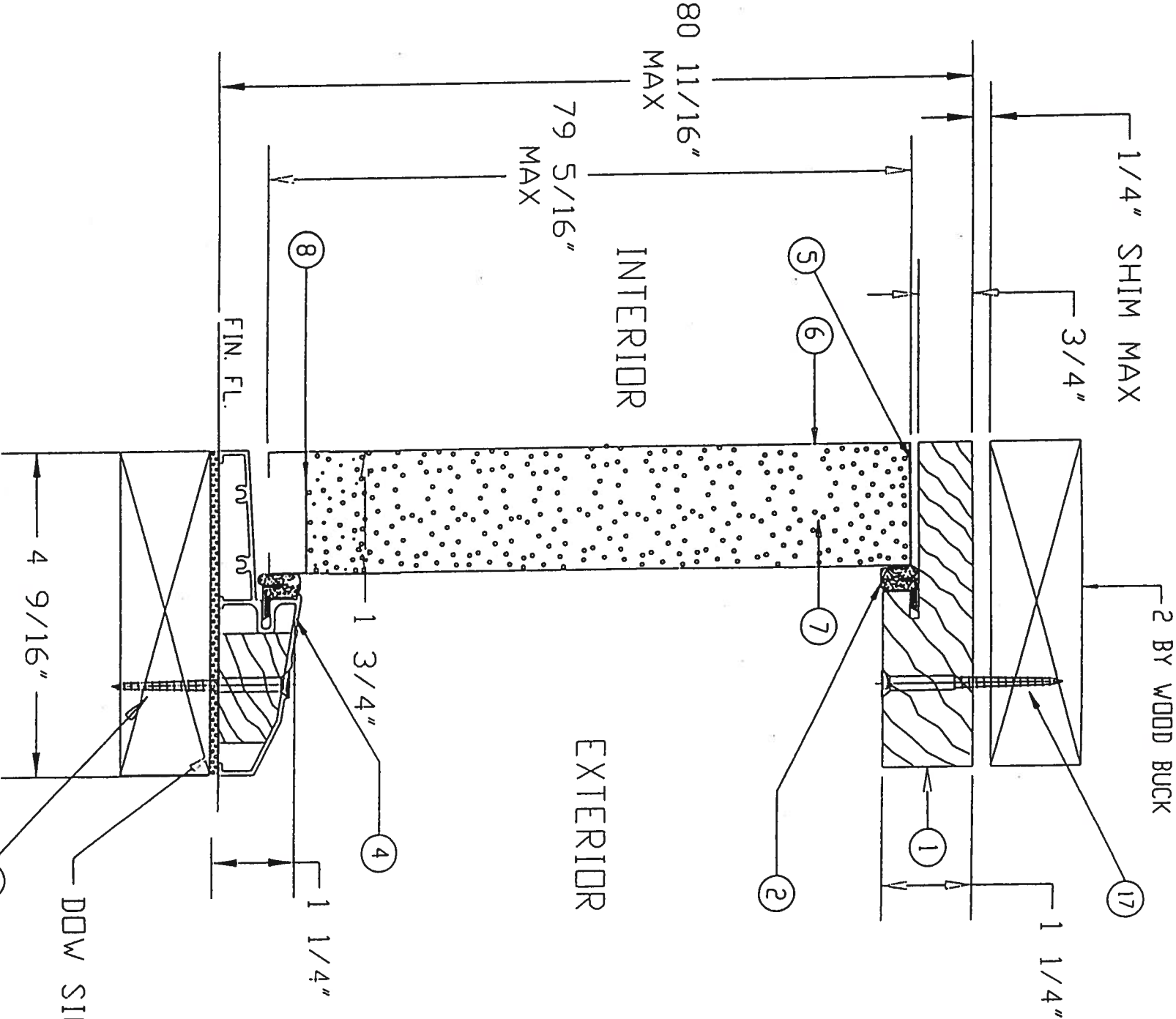
UNIT: INCHES SCALE: 1/4\"=1'-0\" ENGINEER: <i>MAUREEN EVANS</i> DATE: 7-29-97	REVISIONS A: ADD OTHER DOOR CONFIGURATIONS B: ADD OTHER DOOR CONFIGURATIONS C: ADD OTHER DOOR CONFIGURATIONS D: ADD OTHER DOOR CONFIGURATIONS E: ADD OTHER DOOR CONFIGURATIONS F: ADD OTHER DOOR CONFIGURATIONS G: ADD OTHER DOOR CONFIGURATIONS H: ADD OTHER DOOR CONFIGURATIONS I: ADD OTHER DOOR CONFIGURATIONS J: ADD OTHER DOOR CONFIGURATIONS K: ADD OTHER DOOR CONFIGURATIONS L: ADD OTHER DOOR CONFIGURATIONS M: ADD OTHER DOOR CONFIGURATIONS N: ADD OTHER DOOR CONFIGURATIONS O: ADD OTHER DOOR CONFIGURATIONS P: ADD OTHER DOOR CONFIGURATIONS Q: ADD OTHER DOOR CONFIGURATIONS R: ADD OTHER DOOR CONFIGURATIONS S: ADD OTHER DOOR CONFIGURATIONS T: ADD OTHER DOOR CONFIGURATIONS U: ADD OTHER DOOR CONFIGURATIONS V: ADD OTHER DOOR CONFIGURATIONS W: ADD OTHER DOOR CONFIGURATIONS X: ADD OTHER DOOR CONFIGURATIONS Y: ADD OTHER DOOR CONFIGURATIONS Z: ADD OTHER DOOR CONFIGURATIONS	DATE: 7-29-97 SCALE: 1/4\"=1'-0\" ENGINEER: <i>MAUREEN EVANS</i> DATE: 7-29-97	REVISIONS A: ADD OTHER DOOR CONFIGURATIONS B: ADD OTHER DOOR CONFIGURATIONS C: ADD OTHER DOOR CONFIGURATIONS D: ADD OTHER DOOR CONFIGURATIONS E: ADD OTHER DOOR CONFIGURATIONS F: ADD OTHER DOOR CONFIGURATIONS G: ADD OTHER DOOR CONFIGURATIONS H: ADD OTHER DOOR CONFIGURATIONS I: ADD OTHER DOOR CONFIGURATIONS J: ADD OTHER DOOR CONFIGURATIONS K: ADD OTHER DOOR CONFIGURATIONS L: ADD OTHER DOOR CONFIGURATIONS M: ADD OTHER DOOR CONFIGURATIONS N: ADD OTHER DOOR CONFIGURATIONS O: ADD OTHER DOOR CONFIGURATIONS P: ADD OTHER DOOR CONFIGURATIONS Q: ADD OTHER DOOR CONFIGURATIONS R: ADD OTHER DOOR CONFIGURATIONS S: ADD OTHER DOOR CONFIGURATIONS T: ADD OTHER DOOR CONFIGURATIONS U: ADD OTHER DOOR CONFIGURATIONS V: ADD OTHER DOOR CONFIGURATIONS W: ADD OTHER DOOR CONFIGURATIONS X: ADD OTHER DOOR CONFIGURATIONS Y: ADD OTHER DOOR CONFIGURATIONS Z: ADD OTHER DOOR CONFIGURATIONS
--	---	---	---

PREMIER ENTRY SYSTEMS
31-1029-EM-1
SHEET 2 OF 6

REVISION LETTER

MATERIALS LIST

ITEM NO.	DESCRIPTION	PART NUMBER	COMMENTS
①	WOOD HEAD JAMB	EM-14	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
②	COMPRESSION WEATHERSTRIP	EM-25	LOCKSCREEN BRAND LOXSEAL 9650 (BRONZE)
③	ALUMINUM ASTRAGAL	EM-12	PREMDOR BRAND OR EQUIVALENT - 5/8" ALUMINUM ASTRAGAL
④	ALUMINUM-BUMPER THRESHOLD	EM-15	PREMDOR BRAND OR EQUIVALENT - 1 1/4" X 4 9/16"
⑤	TOP CHANNEL	EM-08	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
⑥	STEEL SKIN	26 ga. (017 +.004 - .000)	NK YIELD STRENGTH 55,000 PSI NK TENSILE STRENGTH 65,000 PSI NK RICHNESS PER USABLE TEST REPORT IS .02"
⑦	POLYURETHANE FOAM CORE	BASF FOAM - DENSITY 2.0 TO 2.5 lbs./ft. ³	
⑧	BOTTOM CHANNEL	EM-07	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
⑨	WOOD LOCK BLOCK	EM-09	4" X 9 1/2" MTL. TO BE PINE OR EQUIVALENT
⑩	STRIKE STILE	EM-06	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
⑪	HINGE STILE	EM-05	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
⑫	LOCK PREP FILLER PLATE	EM-10	PREMDOR BRAND - .050" THICK - MTL. TO BE POLYETHYLENE
⑬	4"x4" HINGE	EM-16	HAGER BRAND HINGE OR EQUIVALENT - .097 THICK (STEEL)
⑭	WOOD HINGE JAMB	EM-13	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
⑮	#10-24 X 1/2" F.H.W.S.		(4) SCREWS PER HINGE INTO DOOR
⑯	#10 X 2" F.H.W.S.		(5) SCREWS THROUGH HINGE JAMB INTO SIDELITE JAMB, 8" DOWN FROM TOP, MAX 18" O.C. THEREAFTER (10) SCREWS THROUGH STRIKE JAMB INTO SIDELITE JAMB, 4" DOWN FROM TOP, MAX 8" O.C. THEREAFTER (6) SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" DOWN FROM TOP, MAX 15" O.C. THEREAFTER
⑰	#10 F.H.W.S. V/MINIMUM 1 1/2" END ORIENT OR 3/16" F.H. TAPED OR V/MINIMUM 1 1/2" END ORIENT		REFER TO ELEVATION VIEW FOR # OF SCREWS USED AND LOCATIONS
⑱	#10 X 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
⑲	#8 X 2" F.H.W.S.		(2) SCREWS AT EACH STRIKE PLATE
⑳	LOCKSET		KWIKSET BRAND 200 LOCK OR HARLOC BRAND 100 LOCK
㉑	#10 X 1 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
㉒	WOOD SIDELITE JAMB	EM-18	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
㉓	22' X 64' SINGLE PANEL GLASS	EM-19	TEMPERED GLASS IN POLYPROPYLENE FRAME - DC-1643 - (DDL-2)
㉔	SIDELITE TRIM (WOOD)	EM-20	5/16" X 1/2" MTL. TO BE PINE OR EQUIVALENT
㉕	WOOD CASING	EM-21	1/8" X 1" MTL. TO BE PINE OR EQUIVALENT - ITEMS ARE MOLDINGS USED FOR SIDE BY SIDE JAMBS AS MULLIONS
㉖	WOOD SIDELITE HEAD JAMB	EM-22	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
㉗	WOOD SIDELITE BASE	EM-23	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
㉘	POLYPROPYLENE LITE FRAME	DC-1643, DDL-2	HP Polypropylene by DDL
㉙	#6 X 1 1/2" PAN HEAD SCREWS		SCREW SPACING TO BE 3" IN FROM EACH CORNER AND NOT 18 PER FRAME TO EXCEED 14" O.C. THEREAFTER.
㉚	SIDELITE STILES	EM-26	15/16" X 1 11/16" MTL. TO BE PINE OR EQUIVALENT
㉛	PIN NAIL		3/4" LONG NAIL, 4" IN FROM END, MAX 8" O.C. THEREAFTER, USED ON MULLIONS AND TRIM



DOW SILICONE #995

APPROVED AS COMPLYING WITH THE

SOUTH FLORIDA BUILDING CODE

DATE

JUN 05 2001

BY *Michael J. J...*

PRODUCT CONTROL DIVISION

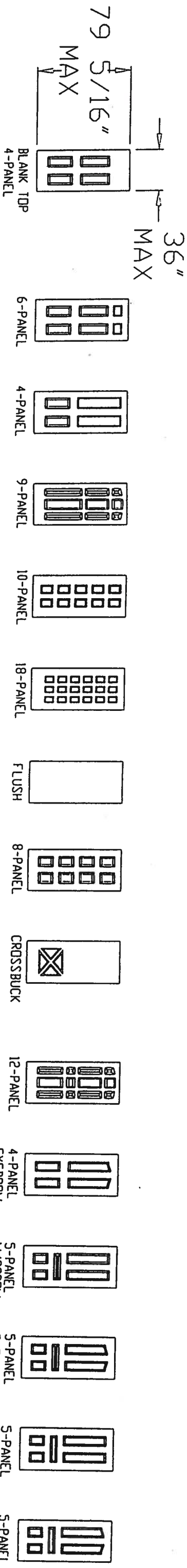
BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 01-03141.23

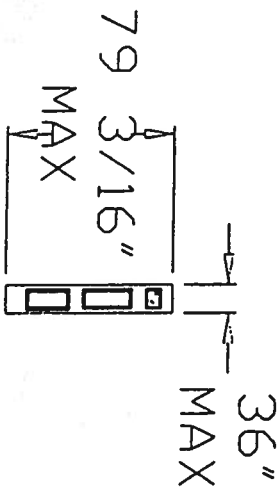
SECTION B-B

LIMITS: UNLESS NOTED, FRAC.	DC.	ANG.	B	DADE COUNTY MODIFICATIONS	1/11/01	JD
EXTRUSIONS: UNLESS NOTED, STD. COM. TOL'S.			A	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98	RS
ENGINEER:			LIR.	REVISIONS	DATE	BY
DR. BY R.S.	DATE 7-29-97		PART NAME: ENERGY STEEL EDGE DOOR (R-B)	SCALE:		
PREMDOR ENTRY SYSTEMS			31-1029-EM-1			
911 E. JEFFERSON			SHEET 3 OF 6			
PITTSBURG, KS. 66762			REVISION LETTER B			

OTHER DOOR PANEL STYLES



OTHER SIDELITE STYLES



3/16" MAX			
SL-10		PD-1	
SL-20		PD-2	
SL-30		PD-3	
SL-60		PD-4	
SL-50		PD-5	
SL-50B		PD-6	
SL-69A		PD-7	
SL-69B		PD-8	
SL-69C		PD-9	
SL-25		PD-10	
SL-55		PD-11	
SL-30D		PD-12	
SL-40		PD-13	
SL-90A		PD-14	
SL-90B		PD-15	
SL-90C		PD-16	
SL-30B		PD-17	
SL-30C			
SL-70			
SL-80			
PD-18		PD-19	
PD-20		PD-21	
PD-22		PD-23	
PD-24		PD-25	
PD-26		PD-27	
PD-28		PD-29	
PD-30		PD-31	
PD-32		PD-33	
PD-34			
PD-35			
PD-36			
PD-37			
PD-38			
PD-39			
PD-40			
PD-41			
PD-42			
PD-43			
PD-43A			
PD-43B			

LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :

EXTRUSIONS: UNLESS NOTED, STD. COMPL. 100.5.

ENGINEER: DR. BT. J.D. DATE 1/15/2011

PREMDOR ENTRY SYSTEMS 911 E. JEFFERSON P1115B00C, KS 66762

REVISIONS

PART NAME: PREMDOR DOOR OPTIONS

SCALE: 31-1029-EM-1

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE JUN 05 2001

BY *Maureen Jurek*

PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE

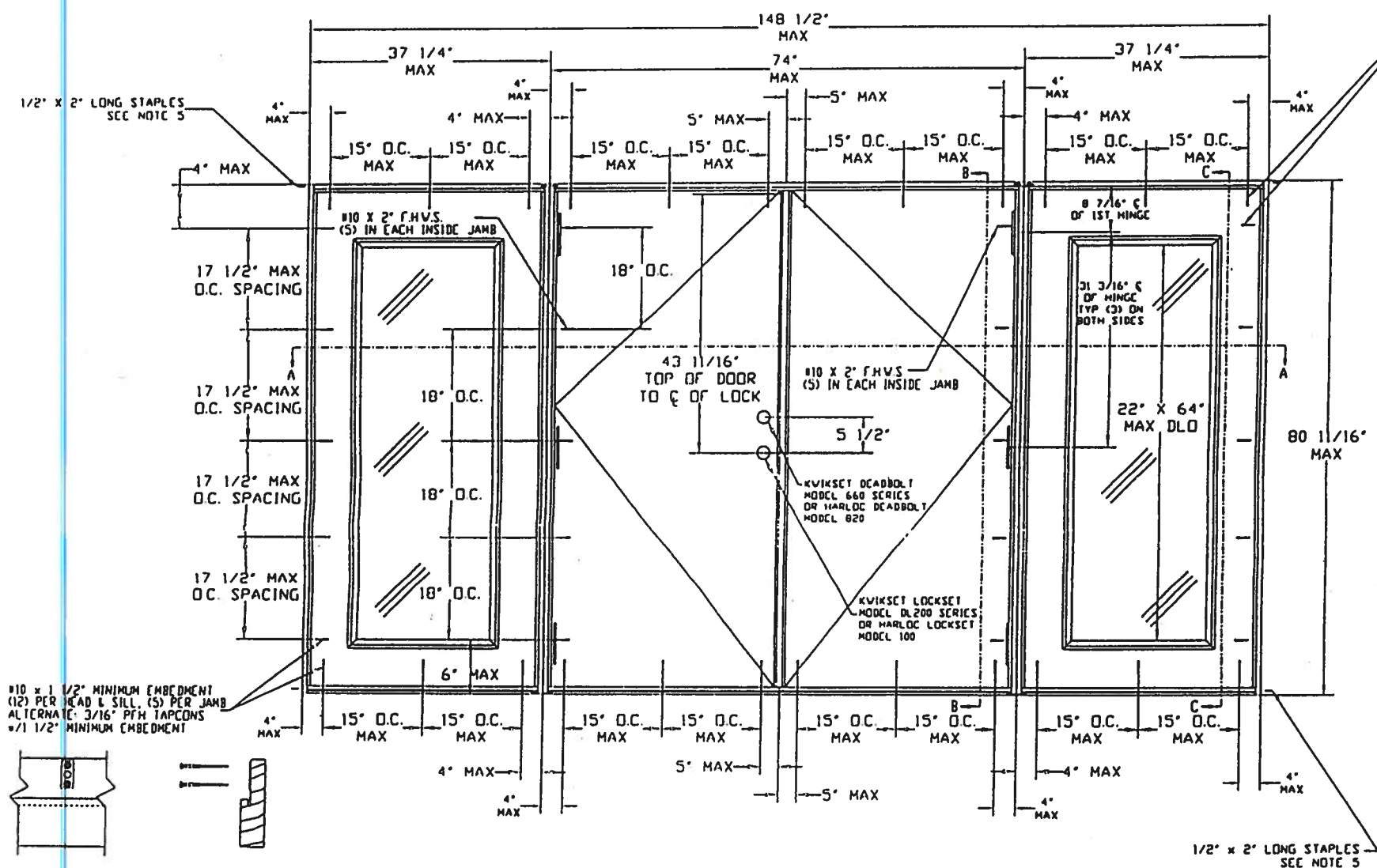
ACCEPTANCE NO. 01-6714-22

SHEET 6 OF 6

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO 01-6314.23

LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :	
EXTRAORDINARY: UNLESS NOTED, STD. COMPL. I.D.S.	
ENGINEER:	
DR. BY J.D.	DATE 1/15/01
PREMDOR ENTRY SYSTEMS	
911 E. JEFFERSON	
PITTSBURGH, KS 66762	
31-1029-EM-1	
SHEET 6 OF 6	
REVISION LETTER	

#10 x 1 1/2" MINIMUM EMBEDMENT
(12) PER HEAD & SILL, (5) PER JAMB
ALTERNATE: 3/16" PFH TAPCONS
w/ 1 1/2" MINIMUM EMBEDMENT



NOTES:

WOOD FRAME CONSTRUCTION WHERE DOOR
SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD
PENING.

2. MASONRY OR CONCRETE CONSTRUCTION WHERE
DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY
STRUCTURAL WOOD BUCK.

DOOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE
OR MASONRY WITH OR WITHOUT A NON-STRUCTURAL
NE BY WOOD BUCK.

ALL ANCHORING SCREWS TO BE #10 WITH
MINIMUM 1 1/2' EMBEDMENT INTO WOOD SUBSTRATE
2 3/16" PFH TAPCONS WITH 1 1/2' MINIMUM EMBEDMENT
INTO MASONRY.

UNIT MUST BE INSTALLED WITH 'MIAMI-DADE COUNTY
APPROVED' SHUTTERS

THREE STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES
AND DOOR, THREE STAPLES PER JAMB INTO THRESHOLD ON
SIDELITES AND DOOR.

LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE
RAMBS AND SIDELITES.

DOOR/SIDELITE HEADER, DOOR/SIDELITE JAMBS, AND SIDELITE BASE
CORNERS ARE COPEd AND BUTT JOINED.

DOORS SHALL BE PRE-PAINTED WITH A WATER-BASED EPOXY RUST

INHIBITIVE PRIMER PAINT WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.

FRAMES SHALL BE PRE-PAINTED WITH AN ACRYLIC LATEX WATER-BASED/
ATER-REDUCIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.

#8 x 1" LONG
IN ALL REMAINING
HOLES

#8 x 1 3/4" LONG
FLATHEAD SCREWS

ASTRAGAL

L.H. INSWING R.H. INSWING

DESIGN PRESSURE RATINGS		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED *	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
Positive	NOT APPROVED *	+55.0 psf
Negative	NOT APPROVED *	-55.0 psf

* UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES. UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY M. Perry
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :		DADE COUNTY MODIFICATIONS		11/11/00	JD
EXTRUSIONS: UNLESS NOTED, STD. COMPL. TOL'S.		B	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98	RS
ENGINEER:		A	ADD OTHER DOOR CONFIGURATIONS	12/18/97	RS
		LTR.	REVISIONS	DATE	BY
DR. BY R.S.		PART NAME: ENERGY METAL EDGED DOUBLE DOOR W/STRENGTHS			
DATE 7-29-97		SCALE: N.T.S.			
PREMDOR ENTRY SYSTEMS			31-1029-EM-I		
911 E. JEFFERSON			SHEET 1 OF 6		
PITTSBURG, KS 66762			REVISION LETTER C		

Technical drawing of a window assembly showing interior and exterior views with dimensions and callouts.

Dimensions:

- 80 11/16" MAX
- 79 5/16" MAX
- 1 1/4"
- 1 3/4"
- 4 9/16"

Callouts:

- 1/4" SHIM MAX
- 3/4"
- 2 BY WOOD BUCK
- 17
- 1
- 2
- 7
- 6
- 5
- INTERIOR
- EXTERIOR
- FIN. FL.
- 8
- 4
- DOW SI

DOV SILICONE #995

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY MWANKINS
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

ITEM NO.	DESCRIPTION	PART NUMBER	COMMENTS
①	WOOD HEAD JAMB	EM-14	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
②	COMPRESSION WEATHERSTRIP	EM-25	LOCKSCREEN BRAND LOXSEAL 9650 (BRONZE)
③	ALUMINUM ASTRAGAL	EM-12	PREMDR BRAND OR EQUIVALENT - 5/8" ALUMINUM ASTRAGAL
④	ALUMINUM-BUMPER THRESHOLD	EM-15	PREMDR BRAND OR EQUIVALENT - 1 1/4" x 4 9/16"
⑤	TDP CHANNEL	EM-08	PREMDR BRAND - 1 11/16" - 20 GA STEEL
⑥	STEEL SKIN	26 ga. (017 +004 -000)	MAX THICK 31.500 PSI MAX THICKNESS PER TONGUE TEST REPORT IS 26"
⑦	POLYURETHANE FOAM CORE	BASF FOAM - DENSITY 2.0 TO 2.5 lbs./ft ³	
⑧	BOTTOM CHANNEL	EM-07	PREMDR BRAND - 1 11/16" - 20 GA STEEL
⑨	WOOD LOCK BLOCK	EM-09	4" X 9 1/2" MTL. TO BE PINE OR EQUIVALENT
⑩	STRIKE STILE	EM-06	PREMDR BRAND - 1 11/16" - 20 GA STEEL
⑪	HINGE STILE	EM-05	PREMDR BRAND - 1 11/16" - 20 GA STEEL
⑫	LOCK PREP FILLER PLATE	EM-10	PREMDR BRAND - .050" THICK - MTL. TO BE POLYETHYLENE
⑬	4"x4" HINGE	EM-16	HAGER BRAND HINGE OR EQUIVALENT - .097 THICK (STEEL)
⑭	WOOD HINGE JAMB	EM-13	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
⑮	#10-24 x 1/2" F.H.M.S.		(4) SCREWS PER HINGE INTO DOOR
⑯	#10 X 2" F.H.W.S.		(5) SCREWS THROUGH HINGE JAMB INTO SIDELITE JAMB, 8" DOWN FROM TOP MAX 18" O.C. THEREAFTER (10) SCREWS THROUGH STRIKE JAMB INTO SIDELITE JAMB, 4" DOWN FROM TOP MAX 8" O.C. THEREAFTER (6) SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" DOWN FROM TOP, MAX 15" O.C. THEREAFTER
⑰	#10 F.H.W.S. V/MINIMUM 1 1/2" EMBEDED OR 3/16" PH. TAPEDS V/MINIMUM 1 1/2" EMBEDED		REFER TO ELEVATION VIEW, FOR # OF SCREWS USED AND LOCATIONS
⑱	#10 X 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
⑲	#8 x 2" F.H.W.S.		(2) SCREWS AT EACH STRIKE PLATE
⑳	LOCKSET		KWIKSET BRAND 200 LOCK OR HARLOC BRAND 100 LOCK
㉑	#10 X 1 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
㉒	WOOD SIDELITE JAMB	EM-18	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
㉓	22" X 64" SINGLE PANEL GLASS	EM-19	TEMPERED GLASS IN POLYPROPYLENE FRAME - DC-1643 - (DDL-2 1/8" CLEAR TEMPERED GLASS
㉔	SIDELITE TRIM (WOOD)	EM-20	5/16" X 1/2" MTL. TO BE PINE OR EQUIVALENT
㉕	WOOD CASING	EM-21	1/8" x 1" MTL. TO BE PINE OR EQUIVALENT - ITEMS ARE MOLDINGS USED FOR SIDE BY SIDE JAMBS AS MULLIONS
㉖	WOOD SIDELITE HEAD JAMB	EM-22	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
㉗	WOOD SIDELITE BASE	EM-23	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
㉘	POLYPROPYLENE LITE FRAME	DC-1643, DDL-2	HP Polypropylene by DDL
㉙	#6 X 1 1/2" PAN HEAD SCREWS		SCREW SPACING TO BE 3" IN FROM EACH CORNER AND NOT 18 PER FRAME TO EXCEED 14" O.C. THEREAFTER.
㉚	SIDELITE STILES	EM-26	15/16" X 1 11/16" MTL. TO BE PINE OR EQUIVALENT
㉛	PIN NAIL		3/4" LONG NAIL, 4" IN FROM END, MAX 8" O.C. THEREAFTER, USED ON MULLIONS AND TRIM

#995

LIMITS: UNLESS NOTED, FRAC.	:	DEC.	:	ANG.	:
EXPIRATIONS: UNLESS NOTED, STD. COM. TOL.	:	STD. COM. TOL.	:		
ENGINEER:		LIR		REVISONS	
	B	DADE COUNTY MODIFICATIONS		1/11/01	JD
	A	ADDED PAGE 5 (DOOR OPTIONS)		10-1-98	RS
				DATE	BY

DR. BY	R.S.	DATE	7-29-97	PART NAME:	ENERGY STEEL EDGE DOOR (8-B)
				MAT'L:	
				SCALE:	

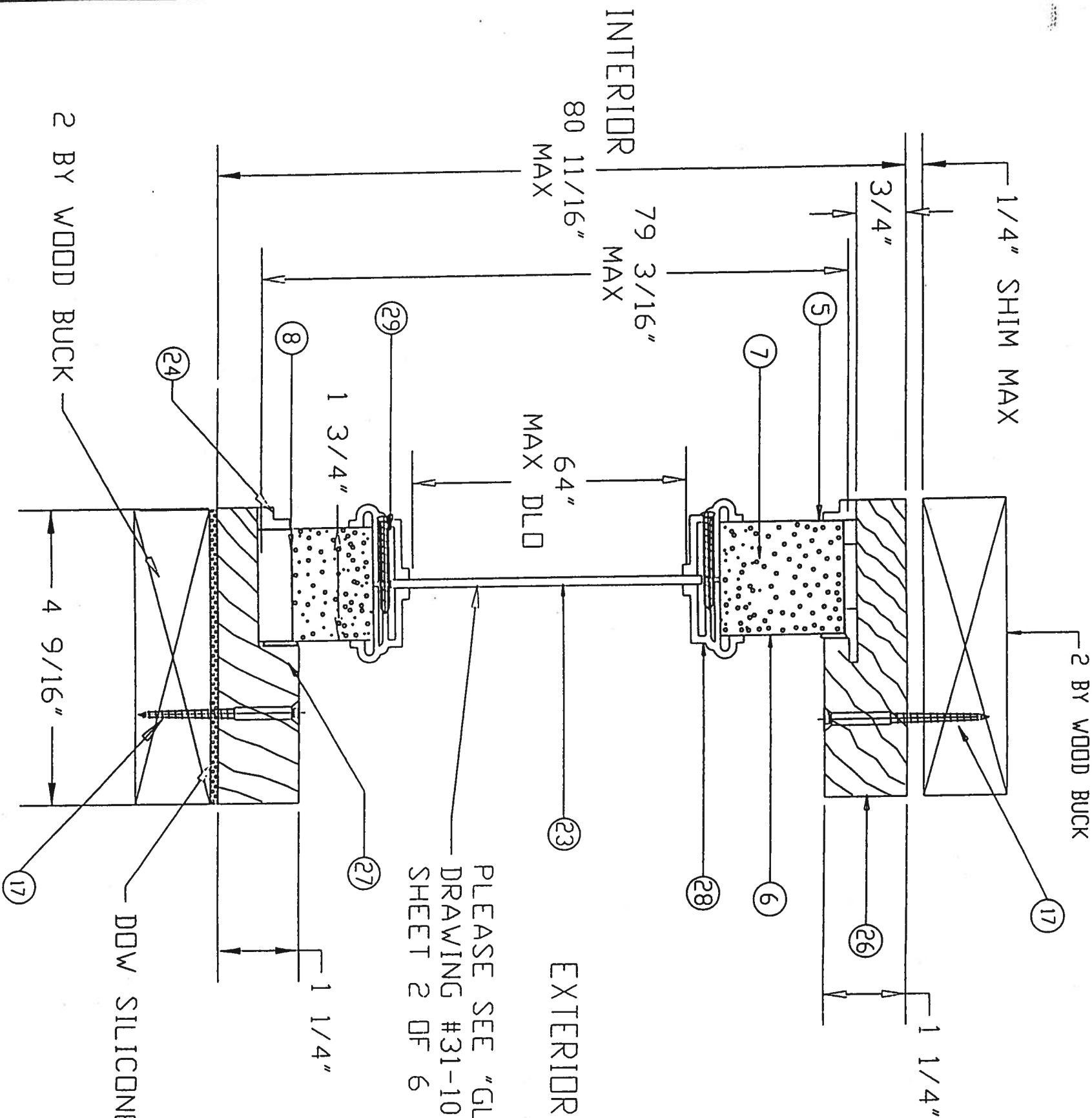
PREMDOR ENTRY SYSTEMS 31-1029-EM-I

911 E. JEFFERSON
PILLSBURG, KS. 66762

△
A

SHEET 3 OF 6

	REVISION LETTER B
--	-------------------



SECTION C-C

PLEASE SEE "GLAZING DETAIL"
DRAWING #31-1029-EM-I
SHEET 2 OF 6

DOW SILICONE #995

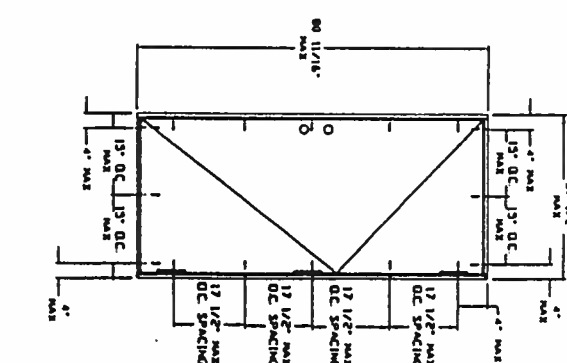
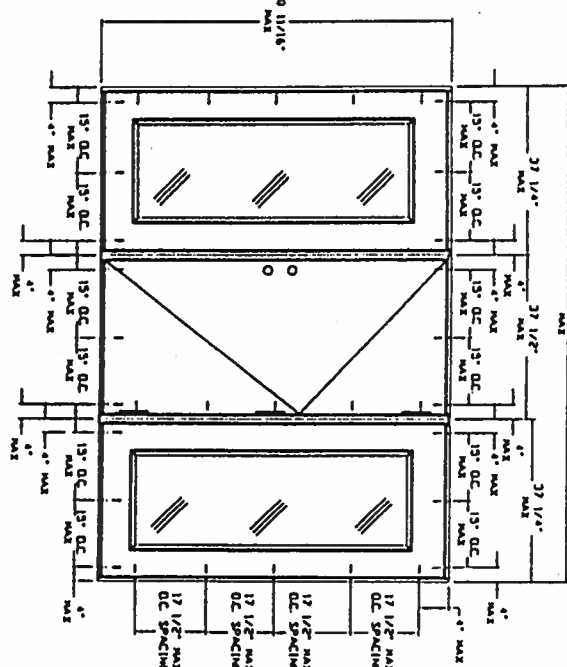
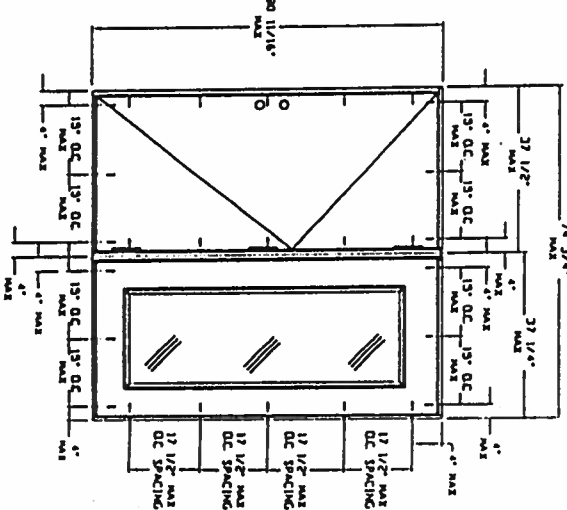
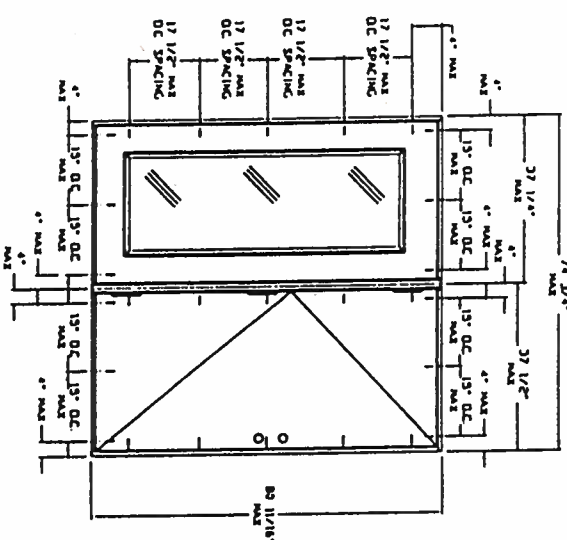
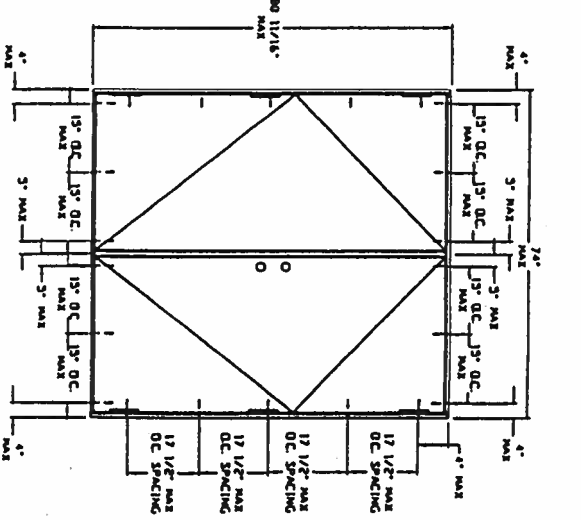
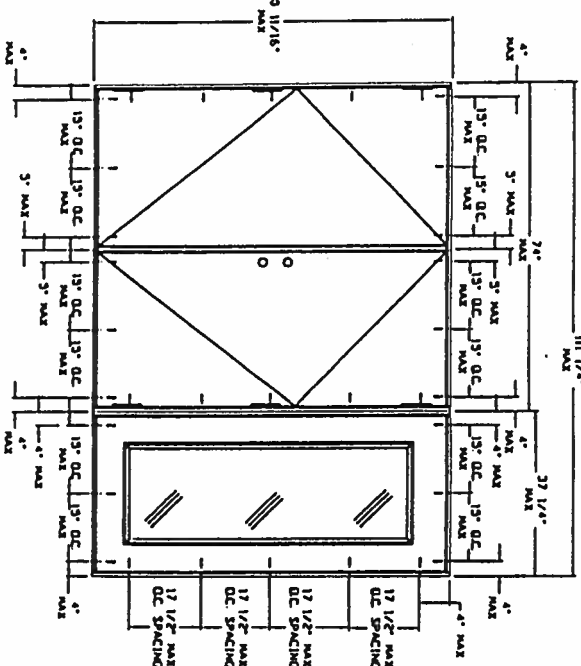
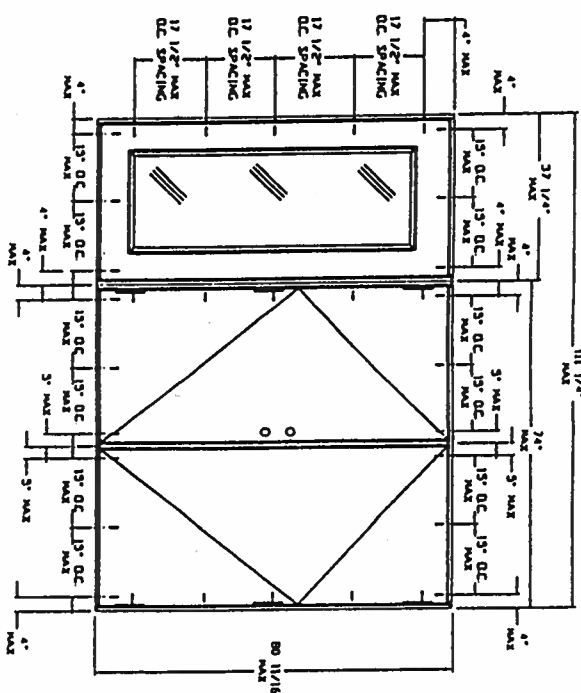
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **JUN 05 2004**
BY *Mawuli*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

LIMITS: UNLESS NOTED, FRAC. :	DEC. :	ANG. :
EXTRUSIONS: UNLESS NOTED, STD. CONTL. 10L.3.		
ENGINEER:		

DR. BY R.S.	DATE 7-29-97	
PART NAME: ENERGY METAL EDGE SIDE/LITE (C-C)	SCALE:	

PREMOR ENTRY SYSTEMS	31-1029-EM-I
91 E. JEFFERSON	SHEET 4 OF 6
PITTSBURG, KS. 66762	

REVISION LETTER D

[illegible]

ACCEPTANCE NO. 01-0314-23

PIITSBURG, KS 66762

SHE

٧

PROVISION 1311F