

DATE 01/07/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025597

APPLICANT LAMAR DUPREE PHONE 754-5678
ADDRESS 2902 W US HIGHWAY 90 LAKE CITY FL 32055
OWNER PHOENIX LAND DEVELOPMENT PHONE 755-8851
ADDRESS 269 SW BIRCH GLEN LAKE CITY FL 32055
CONTRACTOR JL DUPREE PHONE 754-5678
LOCATION OF PROPERTY 90W, TL ON 252B, TR ON DEPUTY J. DAVIS LANE, TL ON
RED MAPLE WAY, TL ON BIRCH GLENN, END OF CUL-DE-SAC ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 97950.00
HEATED FLOOR AREA 1959.00 TOTAL AREA 2617.00 HEIGHT 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 20
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 03-4S-16-02732-207 SUBDIVISION LAUREL LAKES
LOT 7 BLOCK PHASE UNIT TOTAL ACRES

000001348 CGC060631
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 07-147-N BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD,

Check # or Cash 2638

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 \$ 490.00 CERTIFICATION FEE \$ 13.09 SURCHARGE FEE \$ 13.09
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 616.18

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0703-04 Date Received 3-1-07 By LH Permit # 1348/25597
 Application Approved by - Zoning Official VBK Date 06-03-07 Plans Examiner OK JTH Date 3-6-07
 Flood Zone Xppld Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Dens
 Comments SITE PLAN ON PLANS 1ST Floor 1st above Rd
☐ NOC ☒ EH ☐ Deed or PA ☒ Site Plan ☒ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit JL DuPree Sr. Phone 386-754-5678
 Address 2902 West US Highway 90, Lake City, Florida 32055
 Owners Name Phoenix Land Development Phone 386-755-8851
 911 Address 269 SW Birch Glenn, Lake City, Florida 32055
 Contractors Name JL DuPree Construction Phone 386-754-5678
 Address 2902 West US Highway 90, Lake City, Florida 32055

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Bill Freeman Design 305 East Duval Street

Mortgage Lenders Name & Address Columbia County Bank 127 West Hillshoro Street

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

Property ID Number 03-4s-16-02732-207 Estimated Cost of Construction \$91,000.00

Subdivision Name Laurel Lakes Lot 7 Block _____ Unit _____ Phase 2

Driving Directions Take 90 West to SW Deputy J. Davis Lane on the right to Laurel Lakes
subdivision on the left. Turn left onto Birch Glenn, 1st street on the left.
to end of cul-de-sac on left

Type of Construction SFD Number of Existing Dwellings on Property 0
 Total Acreage 0.50 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 26 ft Side 22'4" Side 16' Rear 82 ft
 Total Building Height 20 ft Number of Stories 1 Heated Floor Area 1,959 ft Roof Pitch 8'12"
TOTAL 2,617

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.

[Signature]
 Owner/Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 1 day of March 2007

Personally known X or Produced Identification _____

CK# 2638

[Signature]
 Contractor Signature
 Contractors License Number CEC060631
 Competency Card Number _____
 NOTARY STAMP/SEAL

Shannon M Regar
 My Commission DD364838
 Expires October 21, 2008
 Notary Signature _____

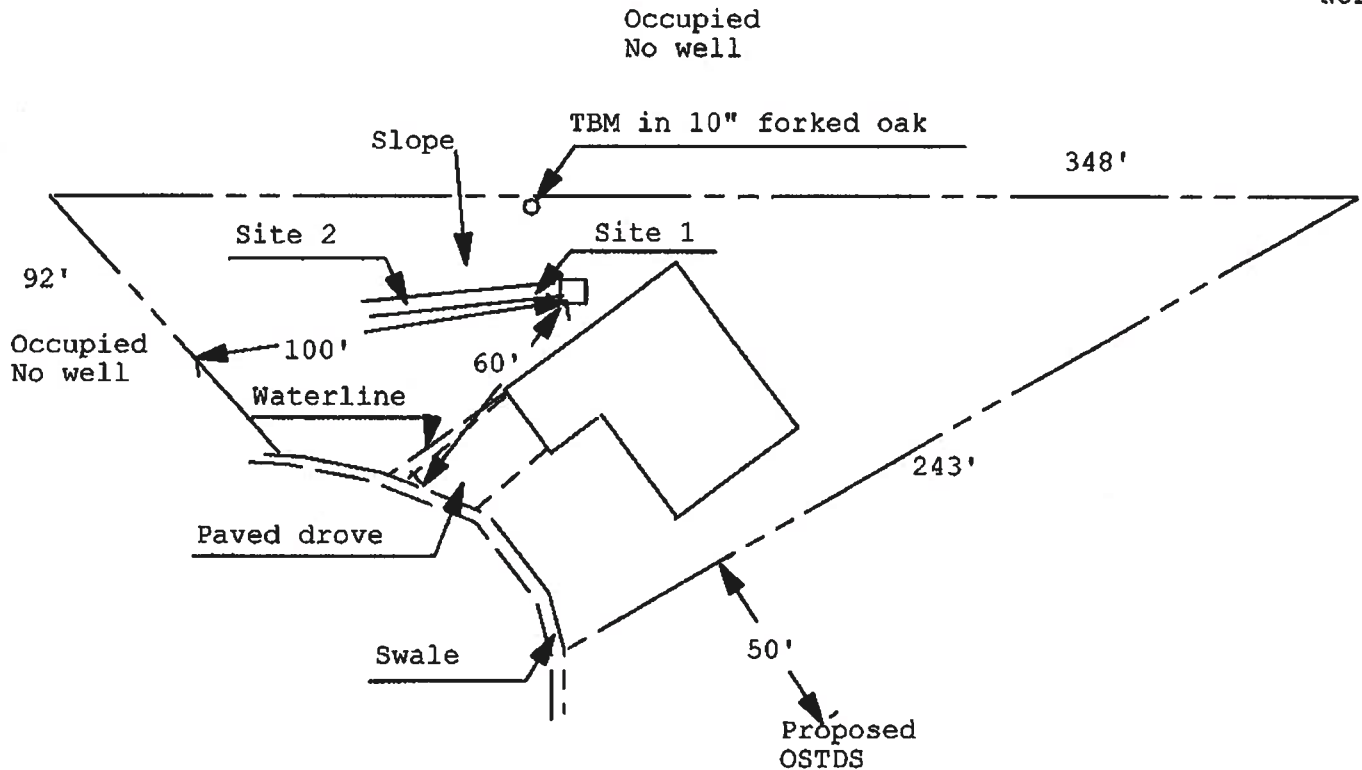
(Revised Sept. 2006)

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 07-00147N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

DUPREE/CR 06-3843

Laural Lake Unit 2, Lot 7



1 inch = 50 feet

Site Plan Submitted By Paul L. Lyle Date 1/15/07
Plan Approved ☒ Not Approved ☐ Date 2/21/07

By M. A. Z. Columbia CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Laruel Lake Lot 7 Phase 2	Builder:	Dupree Construction
Address:	Lot: 3, Sub: Laurel Lake, Plat:	Permitting Office:	Columbia
City, State:	Lake City, FL	Permit Number:	25597
Owner:	Dupree Construction	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit/Split	Cap: 42.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1959 ft²		
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: 42.0 kBtu/hr
(or Single or Double DEFAULT) 7a(Sngle Default) 210.8 ft²			HSPF: 8.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 210.8 ft²		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 226.4(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1811.2 ft²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT, CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2154.9 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 57.4 ft		
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 24330

Total base points: 26747

PASS

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

PREPARED BY: Will H. Free

DATE: 2/15/07

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 3, Sub: Laurel Lake, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1959.0	18.59	6555.0	1.Single, Clear	SE	1.5	6.0	15.0	48.65	0.88	644.0
				2.Single, Clear	SE	1.5	6.0	25.0	48.65	0.88	1074.0
				3.Single, Clear	SE	1.5	4.0	6.0	48.65	0.76	223.0
				4.Single, Clear	SW	1.5	5.0	16.5	45.75	0.84	631.0
				5.Single, Clear	SW	1.5	6.0	16.3	45.75	0.89	657.0
				6.Single, Clear	NW	1.5	6.2	35.0	29.42	0.93	957.0
				7.Single, Clear	NW	1.5	8.0	28.0	29.42	0.96	793.0
				8.Single, Clear	NE	1.5	6.0	60.0	33.55	0.92	1853.0
				9.Single, Clear	NE	1.5	4.0	9.0	33.55	0.84	252.0
				As-Built Total:		210.8				7084.0	
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	13.0		1811.2	1.50		2716.8	
Exterior	1811.2	1.70	3079.0								
Base Total: 1811.2 3079.0				As-Built Total:		1811.2				2716.8	
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	1.Exterior Wood			34.0	6.10		207.4	
Exterior	54.4	6.10	331.8	2.Exterior Wood			20.4	6.10		124.4	
Base Total: 54.4 331.8				As-Built Total:		54.4				331.8	
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1959.0	1.73	3389.1	1. Under Attic	30.0		2154.9	1.73 X 1.00		3728.0	
Base Total: 1959.0 3389.1				As-Built Total:		2154.9				3728.0	
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	226.4(p)	-37.0	-8376.8	1. Slab-On-Grade Edge Insulation	0.0		226.4(p)	-41.20		-9327.7	
Raised	0.0	0.00	0.0								
Base Total: -8376.8				As-Built Total:		226.4				-9327.7	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1959.0 10.21 20001.4				1959.0 10.21 20001.4							

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

ADDRESS: Lot: 3, Sub: Laurel Lake, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 24979.5				Summer As-Built Points: 24534.3						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.09 x 1.147 x 0.91)	X System Multiplier	X Credit Multiplier	=	Cooling Points
24979.5	0.3250		8118.4	(sys 1: Central Unit 42000btuh , SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 24534	1.00	0.260	0.902			6549.8
24979.5	0.3250		8118.4	24534.3	1.00	1.138	0.260	0.902		6549.8

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 3, Sub: Laurel Lake, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X WPM X WOF = Points							
.18	1959.0	20.17	7112.0	1.Single, Clear	SE	1.5	6.0	15.0	21.82	1.10	358.0
				2.Single, Clear	SE	1.5	6.0	25.0	21.82	1.10	598.0
				3.Single, Clear	SE	1.5	4.0	6.0	21.82	1.22	159.0
				4.Single, Clear	SW	1.5	5.0	16.5	24.09	1.09	433.0
				5.Single, Clear	SW	1.5	6.0	16.3	24.09	1.06	415.0
				6.Single, Clear	NW	1.5	6.2	35.0	32.93	1.00	1155.0
				7.Single, Clear	NW	1.5	8.0	28.0	32.93	1.00	922.0
				8.Single, Clear	NE	1.5	6.0	60.0	32.04	1.01	1934.0
				9.Single, Clear	NE	1.5	4.0	9.0	32.04	1.02	292.0
				As-Built Total:				210.8		6266.0	
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior			13.0	1811.2	3.40	6158.1	
Exterior	1811.2	3.70	6701.4								
Base Total:	1811.2		6701.4	As-Built Total:				1811.2		6158.1	
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	0.0	0.00	0.0	1.Exterior Wood				34.0	12.30	418.2	
Exterior	54.4	12.30	669.1	2.Exterior Wood				20.4	12.30	250.9	
Base Total:	54.4		669.1	As-Built Total:				54.4		669.1	
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	1959.0	2.05	4015.9	1. Under Attic			30.0	2154.9	2.05 X 1.00	4417.5	
Base Total:	1959.0		4015.9	As-Built Total:				2154.9		4417.5	
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	226.4(p)	8.9	2015.0	1. Slab-On-Grade Edge Insulation			0.0	226.4(p)	18.80	4256.3	
Raised	0.0	0.00	0.0								
Base Total:			2015.0	As-Built Total:				226.4		4256.3	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
	1959.0	-0.59	-1155.8					1959.0	-0.59	-1155.8	

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

ADDRESS: Lot: 3, Sub: Laurel Lake, Plat: , Lake City, FL,

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 19357.7			Winter As-Built Points: 20611.3					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.069 x 1.169 x 0.93)	X System Multiplier 0.426	X Credit Multiplier 0.950	= Heating Points 9699.9
19357.7	0.5540	10724.1	(sys 1: Electric Heat Pump 42000 btuh ,EFF(8.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0 20611.3	1.000				
			20611.3	1.00	1.162	0.426	0.950	9699.9

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

ADDRESS: Lot: 3, Sub: Laurel Lake, Plat: , Lake City, FL,

PERMIT #:

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

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Cooling	+	Heating	+
Points		Points		Points		Points	
			=				=
Hot Water			Total	Hot Water			Total
Points			Points	Points			Points
8118		10724	7905	6550		9700	8081
			26747				24330

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 3, Sub: Laurel Lake, Plat: , Lake City, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.4

The higher the score, the more efficient the home.

Dupree Construction, Lot: 3, Sub: Laurel Lake, Plat: , Lake City, FL

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit/Split	Cap: 42.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1959 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: 42.0 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 210.8 ft ²		HSPF: 8.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 210.8 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 226.4(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1811.2 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT, CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2154.9 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 57.4 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5)

BUILDING INPUT SUMMARY REPORT

PROJECT	Title: Laruel Lake Lot 4 Phase 2		Family Type: Single		Address Type: Lot Information			
	Owner: Dupree Construction		New/Existing: New		Lot #: 3			
	# of Units: 1		Bedrooms: 3		Subdivision: Laurel Lake			
	Builder Name: Dupree Construction		Conditioned Area: 1959		Platbook: (blank)			
	Climate: North		Total Stories: 1		Street: N/A			
	Permit Office: Columbia		Worst Case: Yes		County: Columbia			
Jurisdiction #: (blank)		Rotate Angle: 135		City, St, Zip: Lake City, Fl,				
FLOORS	#	Floor Type	R-Val	Area/Perimeter	Units			
	1	Slab-On-Grade Edge Insulation	0.0	226.4(p) ft	1			
DOORS	#	Door Type	Orientation	Area	Units			
	1	Wood	Exterior	34.0 ft²	1			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	2154.9 ft²	1959.0 ft²	1		
Credit Multipliers: None								
COOLING	#	System Type	Efficiency	Capacity				
	1	Central Unit/Split	SEER: 13.00	42.0 kBtu/hr				
Credit Multipliers: Ceil Fn, CrossVent, WholeHF, PT								
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Frame - Wood	Exterior	13.0	1811.2 ft²	1		
HEATING	#	System Type	Efficiency	Capacity				
	1	Electric Heat Pump	HSPF: 8.00	42.0 kBtu/hr				
Credit Multipliers: PT								
DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length		
	1	Uncond.	Uncond.	Interior	6.0	57.4 ft		
Credit Multipliers: None								
WATER	#	System Type	EF	Cap.	Conservation Type	Con. EF		
	1	Electric Resistance	0.90	50.0	None	0.00		
REFR.	#	Use Default?	Annual Operating Cost	Electric Rate				
	1	Yes	N/A	N/A				
WINDOWS	#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
	1	Single	Clear	N	15.0 ft²	1.5 ft	6.0 ft	1
	2	Single	Clear	N	25.0 ft²	1.5 ft	6.0 ft	1
	3	Single	Clear	N	6.0 ft²	1.5 ft	4.0 ft	1
	4	Single	Clear	E	16.5 ft²	1.5 ft	5.0 ft	1
	5	Single	Clear	E	16.3 ft²	1.5 ft	6.0 ft	1
6	Single	Clear	S	35.0 ft²	1.5 ft	6.2 ft	1	
7	Single	Clear	S	28.0 ft²	1.5 ft	8.0 ft	1	
8	Single	Clear	W	30.0 ft²	1.5 ft	6.0 ft	2	
9	Single	Clear	W	9.0 ft²	1.5 ft	4.0 ft	1	
MISC	Rater Name: CodeOnlyPro		Class #: 3		Pool Size: 0			
	Rater Certification #: CodeOnlyPro		Duct Leakage Type: N/A		Pump Size: 0.00 hp			
	Area Under Fluorescent: 0.0		Visible Duct Disconnects: N/A		Dryer Type: Electric			
	Area Under Incandescent: 1959.0		Leak Free Duct System Proposed: No		Stove Type: Electric			
NOTE: Not all Rating Info shown		HRV/ERV System Present?: No		Avg Ceil Hgt: 10				

Residential System Sizing Calculation

Summary

Dupree Construction

Project Title:
Laruel Lake Lot 4 Phase 2

Code Only
Professional Version
Climate: North

Lake City, FL

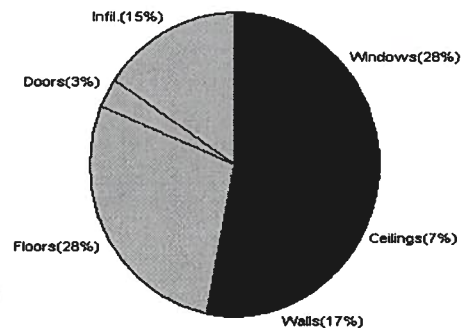
2/14/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	34773	Btuh	Total cooling load calculation	29854	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	120.8	42000	Sensible (SHR = 0.75)	127.1	31500
Heat Pump + Auxiliary(0.0kW)	120.8	42000	Latent	207.2	10500
			Total (Electric Heat Pump)	140.7	42000

WINTER CALCULATIONS

Winter Heating Load (for 1959 sqft)

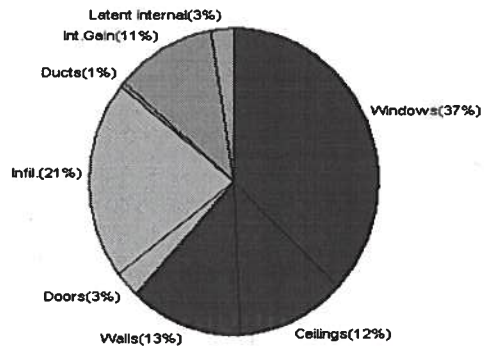
Load component		Load	
Window total	211 sqft	9903	Btuh
Wall total	1811 sqft	5948	Btuh
Door total	54 sqft	1087	Btuh
Ceiling total	2155 sqft	2539	Btuh
Floor total	226 sqft	9885	Btuh
Infiltration	131 cfm	5290	Btuh
Duct loss		121	Btuh
Subtotal		34773	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		34773	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1959 sqft)

Load component		Load	
Window total	211 sqft	11100	Btuh
Wall total	1811 sqft	3778	Btuh
Door total	54 sqft	823	Btuh
Ceiling total	2155 sqft	3569	Btuh
Floor total		0	Btuh
Infiltration	114 cfm	2127	Btuh
Internal gain		3320	Btuh
Duct gain		71	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		24787	Btuh
Latent gain(ducts)		91	Btuh
Latent gain(infiltration)		4176	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		800	Btuh
Total latent gain		5067	Btuh
TOTAL HEAT GAIN		29854	Btuh



Version 8
For Florida residences-only

EnergyGauge® System Sizing

PREPARED BY:

DATE:

[Signature]
2/15/07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Dupree Construction

Project Title:
Laruel Lake Lot 4 Phase 2

Code Only
Professional Version
Climate: North

Lake City, FL

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

2/14/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	NW	15.0		47.0	705 Btuh
2	1, Clear, Metal, 1.27	NW	25.0		47.0	1175 Btuh
3	1, Clear, Metal, 1.27	NW	6.0		47.0	282 Btuh
4	1, Clear, Metal, 1.27	NE	16.5		47.0	775 Btuh
5	1, Clear, Metal, 1.27	NE	16.3		47.0	764 Btuh
6	1, Clear, Metal, 1.27	SE	35.0		47.0	1645 Btuh
7	1, Clear, Metal, 1.27	SE	28.0		47.0	1316 Btuh
8	1, Clear, Metal, 1.27	SW	60.0		47.0	2819 Btuh
9	1, Clear, Metal, 1.27	SW	9.0		47.0	423 Btuh
Window Total			211(sqft)			9903 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1811		3.3	5948 Btuh
Wall Total			1811			5948 Btuh
Doors	Type		Area	X	HTM=	Load
1	Wood - Exterior		20		20.0	408 Btuh
2	Wood - Exterior		34		20.0	679 Btuh
Door Total			54			1087 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	2155		1.2	2539 Btuh
Ceiling Total			2155			2539 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	226.4 ft(p)		43.7	9885 Btuh
Floor Total			226			9885 Btuh
Envelope Subtotal:						29362 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.40	19590	1811	130.6	5290 Btuh
Ductload	(DLM of 0.004)					121 Btuh
All Zones	Sensible Subtotal All Zones					34773 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Dupree Construction

Project Title:

Code Only

Lake City, FL

Laruel Lake Lot 4 Phase 2

Professional Version

Climate: North

2/14/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	34773 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	34773 Btuh

EQUIPMENT

1. Electric Heat Pump	#	42000 Btuh
-----------------------	---	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



Version 8

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Dupree Construction

Project Title:

Code Only

Lake City, FL

Laruel Lake Lot 4 Phase 2

Professional Version

Climate: North

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

2/14/2007

Component Loads for Zone #1: 1st Floor

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	NW	15.0		47.0	705 Btuh
2	1, Clear, Metal, 1.27	NW	25.0		47.0	1175 Btuh
3	1, Clear, Metal, 1.27	NW	6.0		47.0	282 Btuh
4	1, Clear, Metal, 1.27	NE	16.5		47.0	775 Btuh
5	1, Clear, Metal, 1.27	NE	16.3		47.0	764 Btuh
6	1, Clear, Metal, 1.27	SE	35.0		47.0	1645 Btuh
7	1, Clear, Metal, 1.27	SE	28.0		47.0	1316 Btuh
8	1, Clear, Metal, 1.27	SW	60.0		47.0	2819 Btuh
9	1, Clear, Metal, 1.27	SW	9.0		47.0	423 Btuh
Window Total			211(sqft)			9903 Btuh
Walls	Type	R-Value	Area X		HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1811		3.3	5948 Btuh
Wall Total			1811			5948 Btuh
Doors	Type		Area X		HTM=	Load
1	Wood - Exterior		20		20.0	408 Btuh
2	Wood - Exterior		34		20.0	679 Btuh
Door Total			54			1087Btuh
Ceilings	Type/Color/Surface	R-Value	Area X		HTM=	Load
1	Vented Attic/D/Shin	30.0	2155		1.2	2539 Btuh
Ceiling Total			2155			2539Btuh
Floors	Type	R-Value	Size X		HTM=	Load
1	Slab On Grade	0	226.4 ft(p)		43.7	9885 Btuh
Floor Total			226			9885 Btuh
Zone Envelope Subtotal:						29362 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	Load
	Natural	0.40	19590	1811	130.6	5290 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.004)					Load
						121 Btuh
Zone #1	Sensible Zone Subtotal					34773 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Dupree Construction

Project Title:

Code Only

Lake City, FL

Laruel Lake Lot 4 Phase 2

Professional Version

Climate: North

2/14/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	34773 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	34773 Btuh

EQUIPMENT

1. Electric Heat Pump	#	42000 Btuh
-----------------------	---	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Dupree Construction

Project Title:

Code Only

Lake City, FL

Laruel Lake Lot 4 Phase 2

Professional Version

Climate: North

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

2/14/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,F	NW	1.5ft	6ft.	15.0	0.0	15.0	30	58	867	Btuh
2	1, Clear, 1.27, None,N,F	NW	1.5ft	6ft.	25.0	0.0	25.0	30	58	1445	Btuh
3	1, Clear, 1.27, None,N,F	NW	1.5ft	4ft.	6.0	0.0	6.0	30	58	347	Btuh
4	1, Clear, 1.27, None,N,F	NE	1.5ft	5ft.	16.5	0.0	16.5	30	58	954	Btuh
5	1, Clear, 1.27, None,N,F	NE	1.5ft	6ft.	16.3	0.0	16.3	30	58	939	Btuh
6	1, Clear, 1.27, None,N,F	SE	1.5ft	6.16	35.0	16.8	18.2	30	60	1596	Btuh
7	1, Clear, 1.27, None,N,F	SE	1.5ft	8ft.	28.0	6.1	21.9	30	60	1498	Btuh
8	1, Clear, 1.27, None,N,F	SW	1.5ft	6ft.	60.0	18.3	41.7	30	60	3052	Btuh
9	1, Clear, 1.27, None,N,F	SW	1.5ft	4ft.	9.0	4.6	4.4	30	60	403	Btuh
Window Total					211 (sqft)					11100 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1811.2			2.1		3778 Btuh	
Wall Total					1811 (sqft)					3778 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Wood - Exterior				20.4			15.1		308 Btuh	
2	Wood - Exterior				34.0			15.1		514 Btuh	
Door Total					54 (sqft)					823 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			2154.9			1.7		3569 Btuh	
Ceiling Total					2155 (sqft)					3569 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			226 (ft(p))			0.0		0 Btuh	
Floor Total					226.4 (sqft)					0 Btuh	
Envelope Subtotal:										19269 Btuh	
Infiltration	Type	ACH			Volume(cuft)			wall area(sqft)		CFM=	
	SensibleNatural	0.35			19590			1811		130.6	
Internal gain		Occupants			Btuh/occupant			Appliance		Load	
		4			X 230			+		2400	
Sensible Envelope Load:										24716 Btuh	
Duct load (DGM of 0.003)										71 Btuh	
Sensible Load All Zones										24787 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Dupree Construction

Project Title:

Code Only

Lake City, FL

Laruel Lake Lot 4 Phase 2

Professional Version

Climate: North

2/14/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	24716 Btuh
	Sensible Duct Load	71 Btuh
	Total Sensible Zone Loads	24787 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	24787 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4176 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	91 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5067 Btuh
	TOTAL GAIN	29854 Btuh

EQUIPMENT

1. Central Unit/Split	#(Outside) #(Inside)	42000 Btuh
-----------------------	----------------------	------------

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

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

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

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

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

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

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Dupree Construction

Project Title:

Code Only

Laruel Lake Lot 4 Phase 2

Professional Version

Lake City, FL

Climate: North

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

2/14/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: 1st Floor

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,F	NW	1.5ft	6ft.	15.0	0.0	15.0	30	58	867	Btuh
2	1, Clear, 1.27, None,N,F	NW	1.5ft	6ft.	25.0	0.0	25.0	30	58	1445	Btuh
3	1, Clear, 1.27, None,N,F	NW	1.5ft	4ft.	6.0	0.0	6.0	30	58	347	Btuh
4	1, Clear, 1.27, None,N,F	NE	1.5ft	5ft.	16.5	0.0	16.5	30	58	954	Btuh
5	1, Clear, 1.27, None,N,F	NE	1.5ft	6ft.	16.3	0.0	16.3	30	58	939	Btuh
6	1, Clear, 1.27, None,N,F	SE	1.5ft	6.16	35.0	16.8	18.2	30	60	1596	Btuh
7	1, Clear, 1.27, None,N,F	SE	1.5ft	8ft.	28.0	6.1	21.9	30	60	1498	Btuh
8	1, Clear, 1.27, None,N,F	SW	1.5ft	6ft.	60.0	18.3	41.7	30	60	3052	Btuh
9	1, Clear, 1.27, None,N,F	SW	1.5ft	4ft.	9.0	4.6	4.4	30	60	403	Btuh
Window Total					211 (sqft)					11100 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1811.2		2.1		3778 Btuh		
Wall Total					1811 (sqft)				3778 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Wood - Exterior				20.4		15.1		308 Btuh		
2	Wood - Exterior				34.0		15.1		514 Btuh		
Door Total					54 (sqft)				823 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0			2154.9		1.7		3569 Btuh		
Ceiling Total					2155 (sqft)				3569 Btuh		
Floors	Type	R-Value			Size		HTM		Load		
1	Slab On Grade	0.0			226 (ft(p))		0.0		0 Btuh		
Floor Total					226.4 (sqft)				0 Btuh		
Zone Envelope Subtotal:										19269 Btuh	
Infiltration	Type	ACH			Volume(cuft)		wall area(sqft)		CFM=		Load
	SensibleNatural	0.35			19590		1811		114.3		2127 Btuh
Internal gain		Occupants			Btuh/occupant		Appliance		Load		
		4			X 230		+		2400		3320 Btuh
Sensible Envelope Load:										24716 Btuh	
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.003)		71 Btuh	
Sensible Zone Load										24787 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Dupree Construction

Project Title:

Code Only

Lake City, FL

Laruel Lake Lot 4 Phase 2

Professional Version

Climate: North

2/14/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	24716 Btuh
	Sensible Duct Load	71 Btuh
	Total Sensible Zone Loads	24787 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	24787 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4176 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	91 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5067 Btuh
	TOTAL GAIN	29854 Btuh

EQUIPMENT

1. Central Unit/Split	#(Outside) #(Inside)	42000 Btuh
-----------------------	----------------------	------------

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

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

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

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

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

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

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Dupree Construction

Lake City, FL

Project Title:
Laruel Lake Lot 4 Phase 2

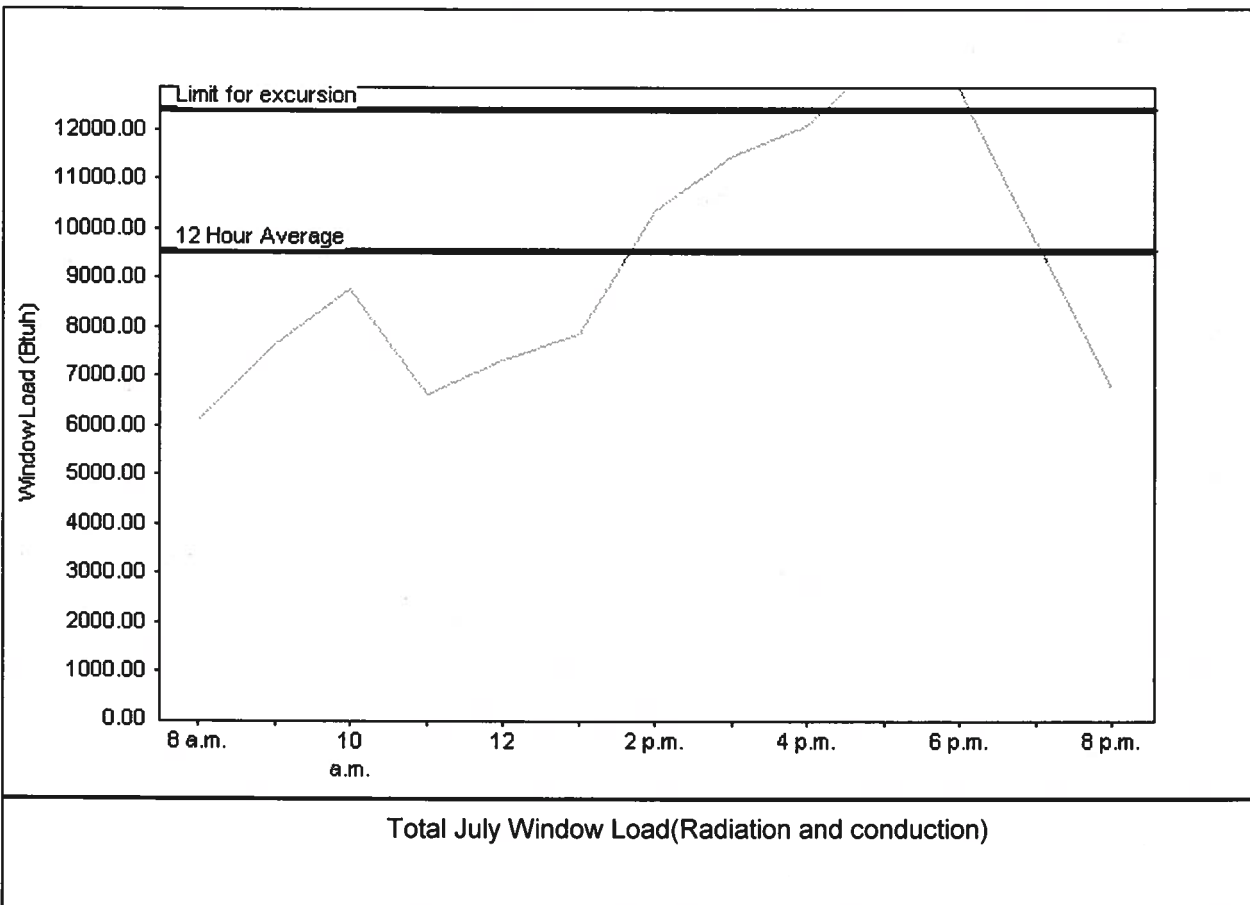
Code Only
Professional Version
Climate: North

2/14/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	9532 Btuh
Summer setpoint	75 F	Peak window load for July	13551 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	12392 Btu
Latitude	29 North	Window excursion (July)	1159 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: W. H. Frie

DATE: 2/15/07



Columbia County Building Department Culvert Permit

Culvert Permit No.
000001348

DATE 03/07/2007 PARCEL ID # 03-4S-16-02732-207
APPLICANT LAMAR DUPREE PHONE 754-5678
ADDRESS 2902 W US HIGHWAY 90 LAKE CITY FL 32055
OWNER PHOENIX LAND DEVELOPMENT PHONE 754-5678
ADDRESS 269 SW BIRCH GLENN LAKE CITY FL 32055
CONTRACTOR JL DUPREE PHONE 754-5678
LOCATION OF PROPERTY 90W, TL ON 252B, TR ON DEPUTY J DAVIS LANE, TL ON RED MAPLE, TL
ON BIRCH GLENN, END OF CUL-DE-SAC ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT LAUREL LAKES 7

SIGNATURE *Joseph L Dupree Sk*

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

Amount Paid 25.00

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





25597



FLOWERS SURVEYING
AND MAPPING INC
207 SE CONDOR GLEN
HIGH SPRINGS, FL 32643
(386) 454-8147

LAND SURVEYORS

October 21, 2017

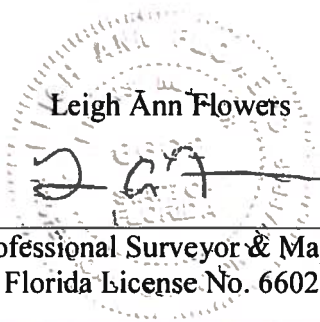
Elevation Letter – Lot 7 of Laurel Lakes Phase II

Parcel Location: 188 S.W. Birch Glen, Lake City, Columbia County, Florida
Tax Parcel No. 03-4S-16-02732-207

Vertical Data

Minimum Finish Floor (per plat) = 114.00 feet MSL (113.20 feet NAVD 88)
Top of Stem Wall (measured) = 131.24 feet NAVD 88

I, Leigh Ann Flowers, PSM, hereby certify that the finish floor (top of stem wall) for Lot 7 of Laurel Lakes, Phase 2 (plat book 8, pages 110-111) measures **131.24 feet**. The finish floor (the top of stem wall) is **2.1 feet above the highest adjacent grade**. Elevations are based on GPS measurements on the Geodetic Reference System of 1980 (GEOID 12A) from the Florida Permanent Reference Network (FPRN). Measured elevations shown hereon are North American Vertical Datum of 1988.



Professional Surveyor & Mapper
Florida License No. 6602

10/21/17
Date of Signature



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

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

NOTICE OF ACCEPTANCE (NOA)

**Therma-Tru Corporation
108 Mutzfeld Road
Butler, IN 46721**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee (BCPRC) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

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

This product is approved as described herein, and has been designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

DESCRIPTION: Outswing Glazed Residential Steel Door w/Sidelites

APPROVAL DOCUMENT: Drawing No. S-2003, titled "Therma-Tru Wood edge Outswing", sheets 1 through 6 to 6, prepared by RW Consulting, dated 3/9/01, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

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

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

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

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

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

This NOA renews NOA # 00-0207.06 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by Raul Rodriguez.



**NOA No 02-0418.01
Expiration Date: April 05, 2007
Approval Date: May 23, 2002
Page 1**

THERMA-TRU® CONSTRUCTION AND TREATMENT SERIES INSULATED STEEL DOOR WITH WOOD FRAMES

GENERAL NOTES

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

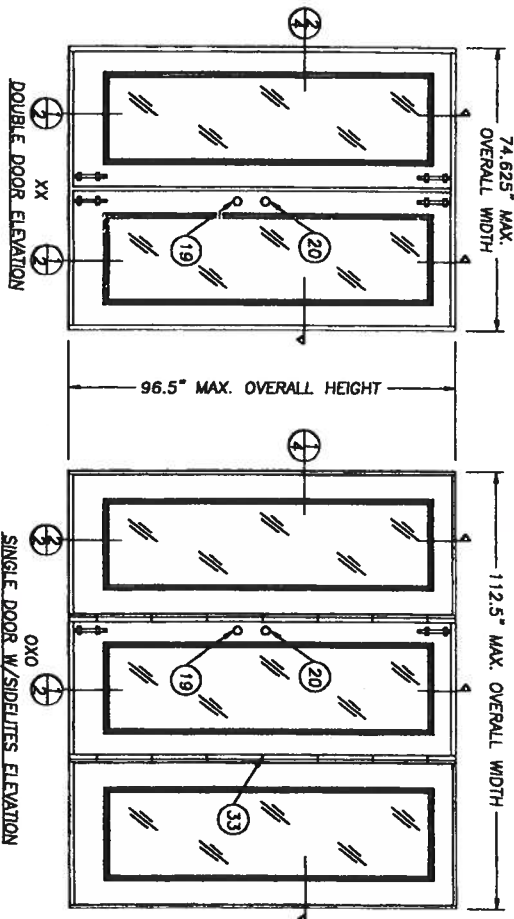
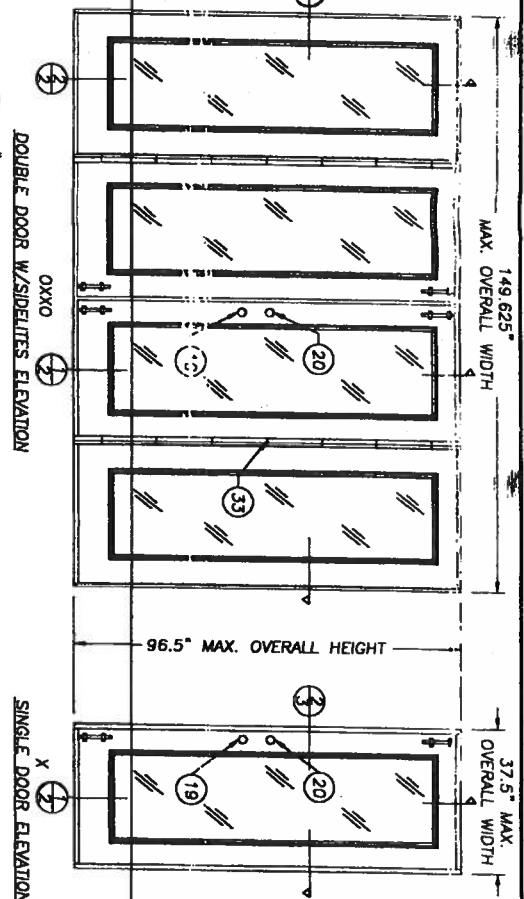
RESIDENTIAL INSULATED STEEL DOOR
(Common to all frame conditions)

Door Leaf Construction:
Face sheels: 25 GA.(0.018") minimum thickness,
Gonized steel A-525 commercial quality - AKDO
per ASTM 620 with yield strength $F_y(\min.) = 47,000$ psi
Core, desic: Polyurethane foam core,
with 1.9 lbs. density by BASF.
Coat/finish: Flush or embossed type. The vertical
edges of this skin, are rolled formed to provide a
mechanical interlock with finger, jointed pine, stiles.
Wood composite end rails are, but, jointed to styles
at corners. Panels are sandwich glazed using a two
piece PVC lite frame with mitered & welded corners.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	COMMON (GENERAL NOTES, TYPICAL ELEVATION)
2	VERTICAL CROSS SECTIONS & BILL OF MATERIALS
3	HORIZONTAL CROSS SECTIONS & DOOR MODELS
4	HORIZONTAL CROSS SECTIONS & GLAZING DETAILS
5	ANCHORING LOCATIONS
6	ANCHORING LOCATIONS

DESIGN PRESSURE RATING	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED
POSITIVE	+ 48.0 PSF
NEGATIVE	- 51.0 PSF



ALL DOOR MODELS ARE VIEWED FROM THE INTERIOR SIDE (OUTSWING DOORS)

PRODUCT REVIEWED
as complying with the Florida Building Code
Specification No. 02-0418.01
Expiration Date 02/01/2007
BY: [Signature]
[Signature]
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: APRIL 05, 2001
BY: [Signature]
[Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. CO - 020746

DATE: 3/3/00
SCALE: N.T.S.
DRW. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2003
SHEET: 1 OF 6

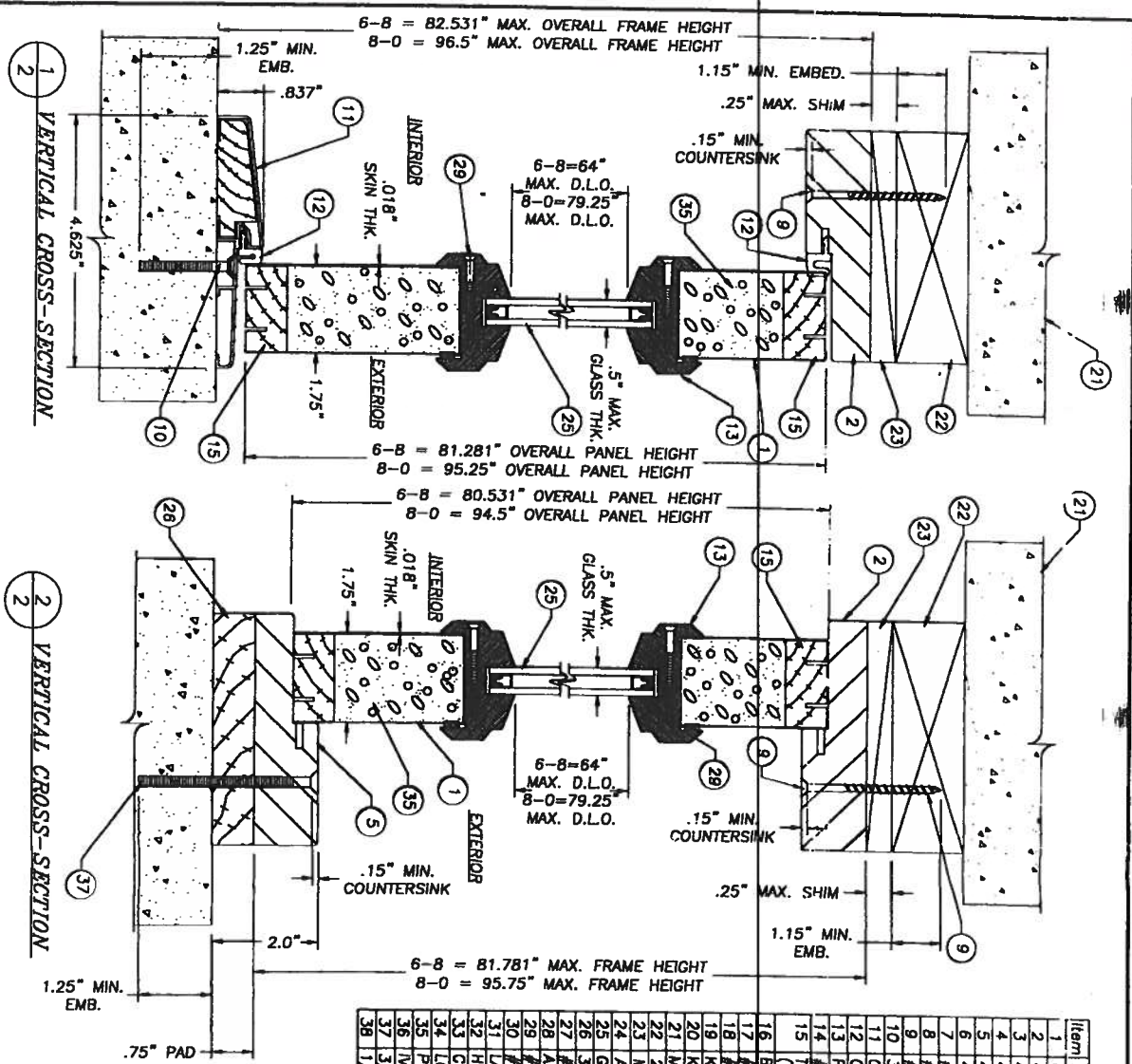
REVISIONS

NO.	DATE	DESCRIPTION	BY
2	3/09/01	GENERAL REVISION	RW
1	4/11/00	GENERAL REVISION	TJH

PRODUCT:
THERMA TRU WOODEDGE
OUTSWING UP TO 12'-0" x
8'-0" W/3'-0" SIDELITES

PART OR ASSEMBLY:
ELEVATIONS AND
GENERAL NOTES

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



Item	DESCRIPTION	Material
1	CONSTRUC. SERIES DOOR (25GA. .018" MIN.)	STEEL
2	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
3	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
4	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
5	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
6	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
7	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
8	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
9	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
10	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
11	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
12	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
13	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
14	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
15	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
16	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
17	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
18	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
19	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
20	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
21	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
22	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
23	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
24	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
25	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
26	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
27	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
28	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
29	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
30	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
31	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
32	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
33	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
34	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
35	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
36	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
37	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD
38	4 1/2" LATCH JAMB (THERMA-TRU) PONDERSA PINE	WOOD

NOTE:
SIDEITE IS DIRECT SET INTO JAMB WITH
#10 x 2" PH.F.H. WOOD SCREWS AT 6"
FROM EACH END AND A MAX. OF 12"
O.C. ON VERTICAL LEG JAMBS ONLY.

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 2416-518-1
Expiration Date 04/15/2003
By Michael R. Frazier, President
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 04/15/2003
BY 15449 1-21444-1
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 20-0107066

DATE 3/3/00
SCALE N.T.S.
DWG. BY T.J.H.
CHK. BY RW
DRAWING NO. S-2003
SHEET 2 OF 6

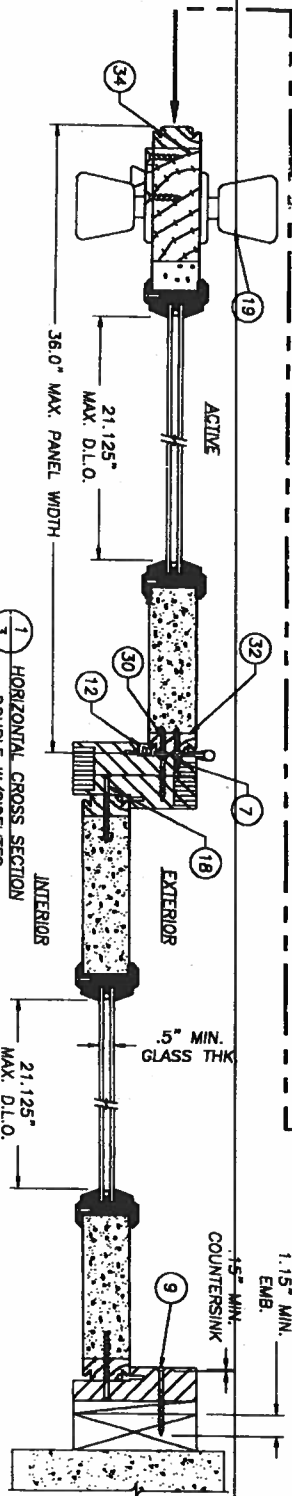
REVISIONS

NO.	DATE	DESCRIPTION	BY
2	3/09/01	GENERAL REVISION	RW
1	4/11/00	GENERAL REVISION	T.J.H.

PRODUCT:
THERMA TRU WOODEDGE
OUTSWING UP TO 12'-0" x
8'-0" W/3'-0" SIDELITES

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS
& BILL OF MATERIALS

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



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

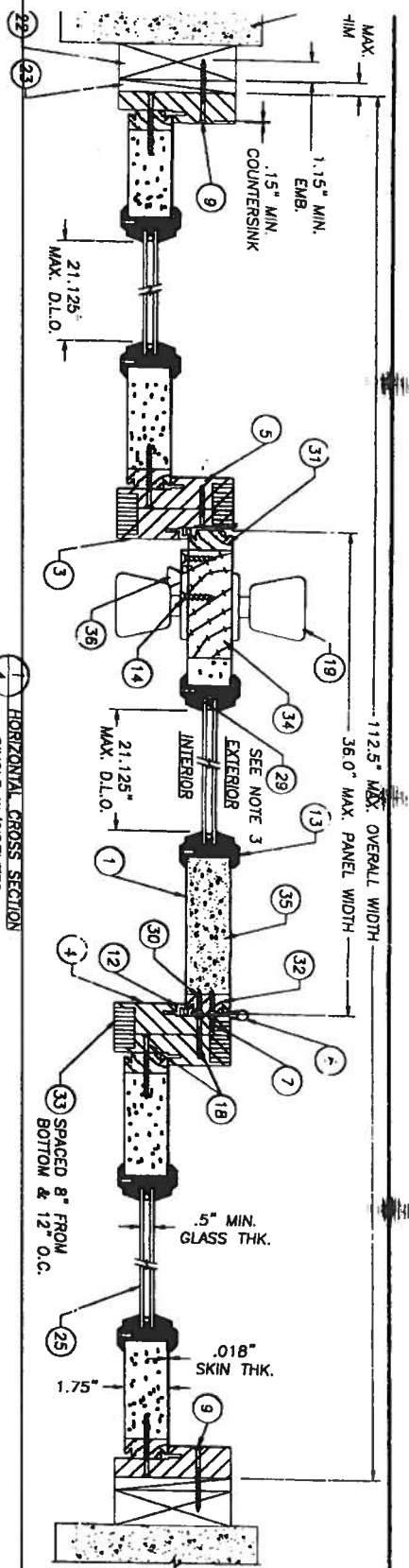
[illegible]

RW
BUILDING
CONSULTANTS
INC.
813.684.3831

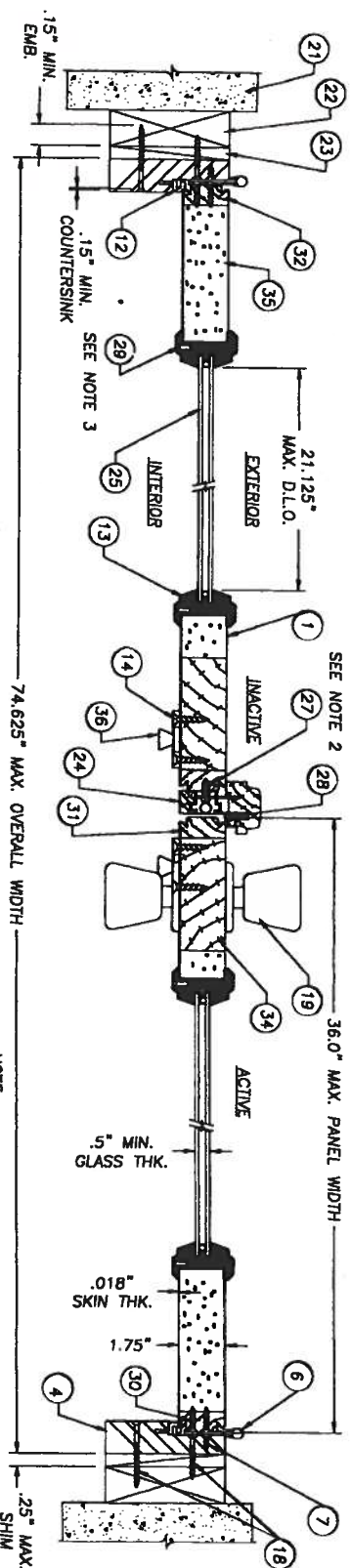
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 02-041301
Expiration Date 04/05/02
By [Signature]
Material Grade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE APRIL 03 2001
BY 15491. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0207.06

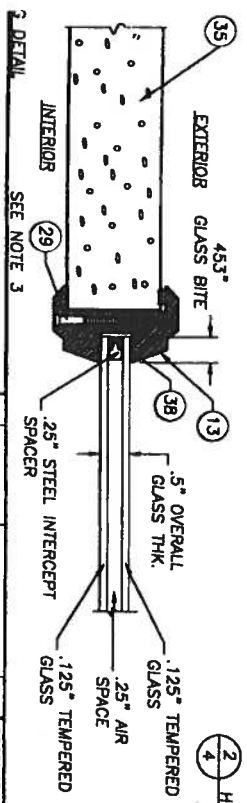
DATE:	3/3/00
SCALE:	N.T.S.
DWG. BY:	TJH
CHK. BY:	RW
DRAWING NO.:	S-2003
SHEET	3 OF 6



1 HORIZONTAL CROSS SECTION
SINGLE W/SIDELITES



2 HORIZONTAL CROSS SECTION
DOUBLE



3 DETAIL
SEE NOTE 3

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

NO.	DATE	REVISIONS
1	4/11/00	GENERAL REVISION I/H
2	3/09/01	GENERAL REVISION R/W

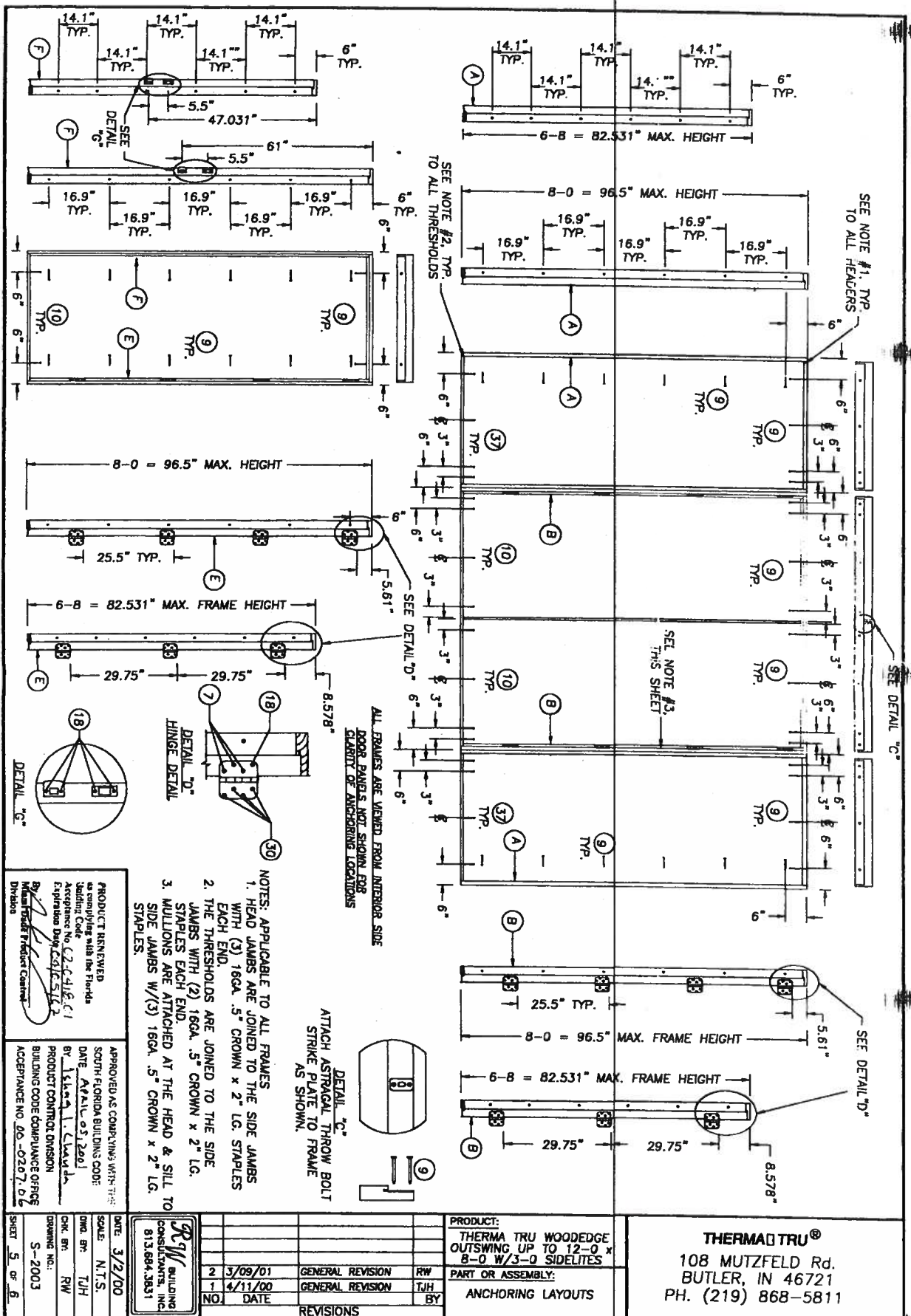
PRODUCT:
THERMA TRU WOODGE
OUTSWING UP TO 12'-0" X
8'-0" W/3'-0" SIDELITES
PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS & GLAZING DETAIL

BY: *[Signature]*
DATE: 3/3/00
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: 3/3/00
BY: *[Signature]*
DATE: 3/3/00
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. CO-0207-0-L

FRUITFUL & RENEWED
as complying with the Florida
Building Code
Acceptance No. CO-0207-0-L
Expiring Date 6/30/05
By: *[Signature]*
Special Trade Product Coating

DATE: 3/3/00
SCALE: N.T.S.
DWG. BY: T/H
CHK. BY: R/W
DRAWING NO.: S-2003
SHEET 4 OF 6

NOTE:
1. SIDELITE IS DIRECT SET INTO JAMB WITH
#10 x 2" PH.F.H. WOOD SCREWS AT 6"
FROM EACH END AND A MAX. OF 12"
O.C. ON VERTICAL LEG JAMBS ONLY.
2. SPACING OF SCREW ITEM #27 IS AS FOLLOWS
FOR BOTH 6-8 AND 8-0 MODELS: FROM THE
BOTTOM UP AND THE TOP DOWN SPACING IS
1", 3", 5", 7", 10" & 10".
3. SPACING OF SCREW ITEM #29 IS AS FOLLOWS
FOR BOTH 6-8 AND 8-0 MODELS: FROM THE
BOTTOM UP ON SIDES, 6-438" & (8-0) (7) MORE
AT 9.893" & (6-8) (6) MORE AT 9.21" O.C. TOP
& BOTTOM, 3.219" FROM THE END IN & (3) MORE AT 5.896" O.C.







BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

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

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

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

DESCRIPTION: TAMKO Heritage Declaration & Heritage XL Roof Shingles

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

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

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

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

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

This consists of pages 1 through 4.

The submitted documentation was reviewed by Frank Zuloaga, RRC



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

ROOFING ASSEMBLY APPROVAL

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

1. SCOPE:

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

2. PRODUCT DESCRIPTION

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

3. EVIDENCE SUBMITTED:

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

4. LIMITATIONS

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

5. INSTALLATION

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

6. LABELING

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

7. BUILDING PERMIT REQUIREMENTS

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

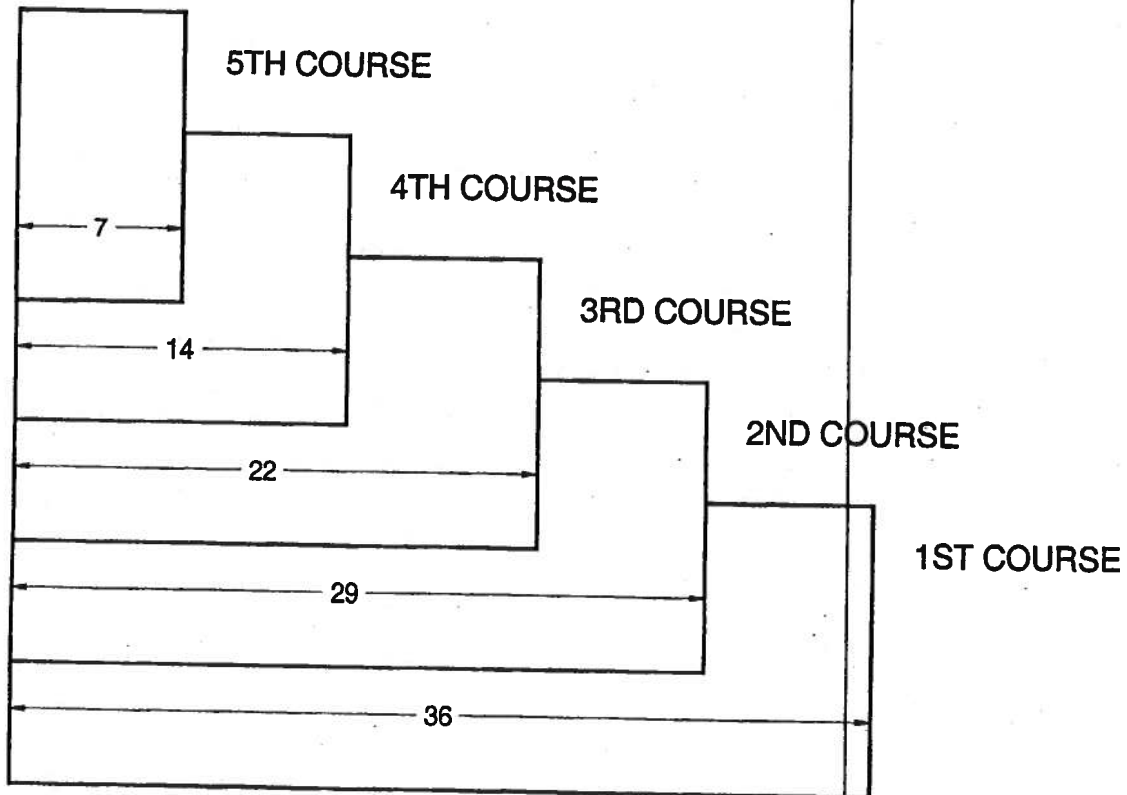


NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03

DETAIL A

HERITAGE DECLARATION & XL

All dimensions are in inches.

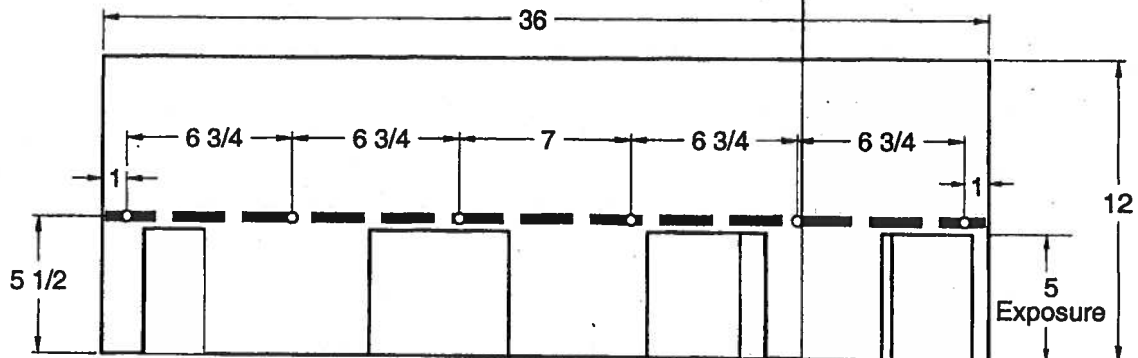


DETAIL B

HERITAGE DECLARATION

12" x 36" LAMINATED SHINGLE

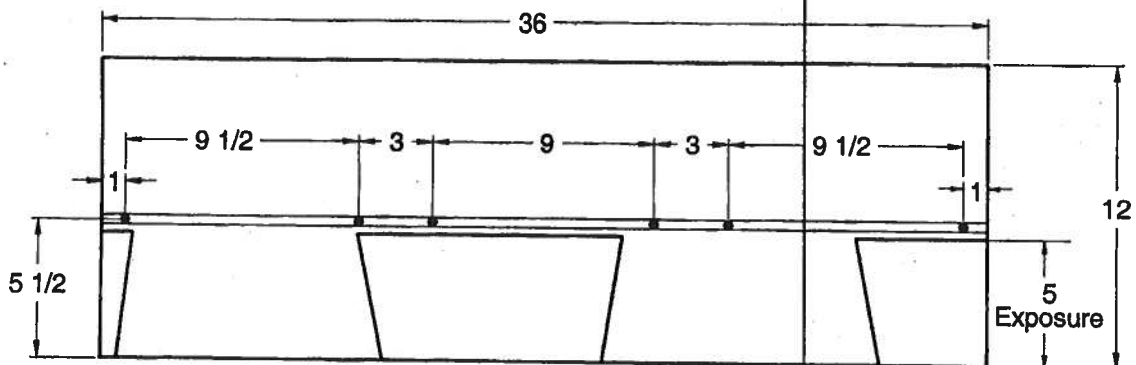
All dimensions are in inches.



HERITAGE XL

12" x 36" LAMINATED SHINGLE

All dimensions are in inches.



END OF THIS ACCEPTANCE





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

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: None

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

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

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

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

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

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

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



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

MI Home Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

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

B. TESTS

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

C. CALCULATIONS

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

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

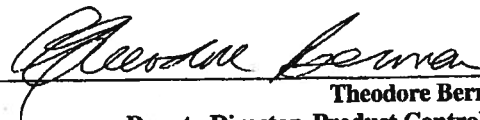
1. None.

F. STATEMENTS

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

G. OTHER

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



Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-1215.02

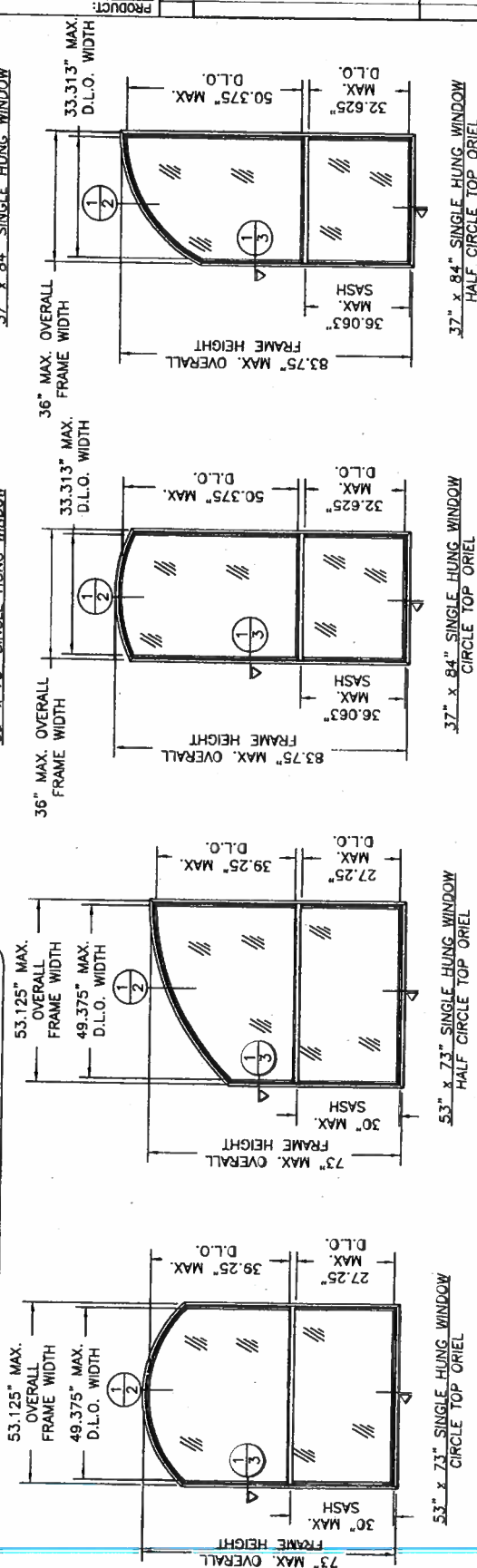
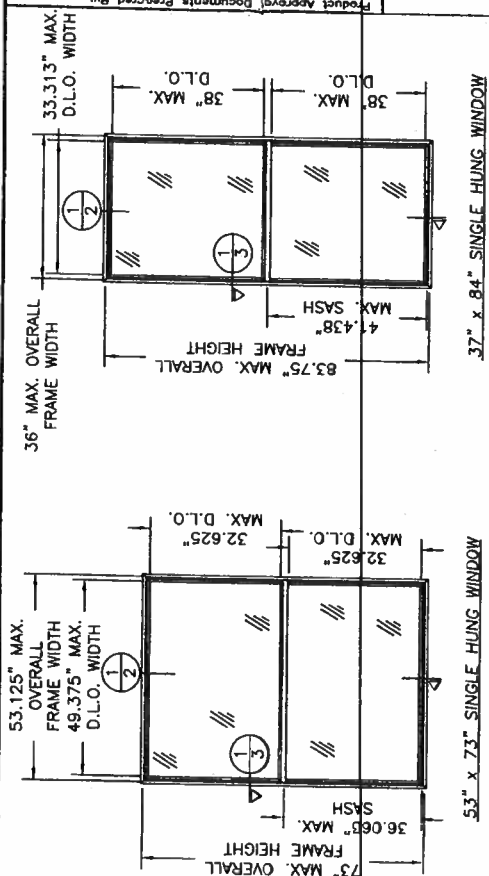
Expiration Date: March 04, 2009

Approval Date: March 04, 2004

MI HOME PRODUCTS
650 WEST MARKET STREET • GRATZ, PA • 17030-0370

SERIES BETTERBILT D185SH/D3185SH
ALUMINUM SINGLE HUNG WINDOW

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE "HVHZ" OF THE FLORIDA BUILDING CODE.
2. WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. FOR DESIGN PRESSURE RATING SEE TABLE THIS SHEET.
5. INSTALLATION OF THIS SYSTEM IN HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTER/EXTERNAL PROTECTION DEVICE COMPLYING WITH HVHZ REQUIREMENTS; INSTALLATION OF THIS SYSTEM OUTSIDE OF HVHZ SHALL MEET THE APPLICABLE CODE REQUIREMENTS FOR WINDBORNE DEBRIS PROTECTION.
6. THIS PRODUCT MEETS WATER REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES.



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

DESIGN PRESSURE RATINGS (PSF)			
GLASS	MAX. SIZE	DP POS.	DP NEG.
1/8" Temp.	OA 53" x 73"	+56.7	-69.3
1/8" Temp.	OA 37" x 84"	+56.7	-69.3
3/16" Ann.	OA 53" x 73"	+42.0	-42.0
3/16" Ann.	OA 37" x 84"	+56.7	-69.0

ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

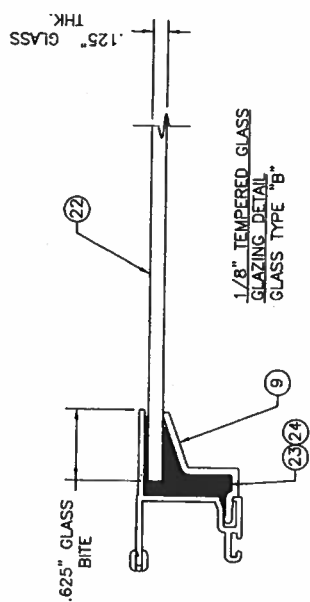
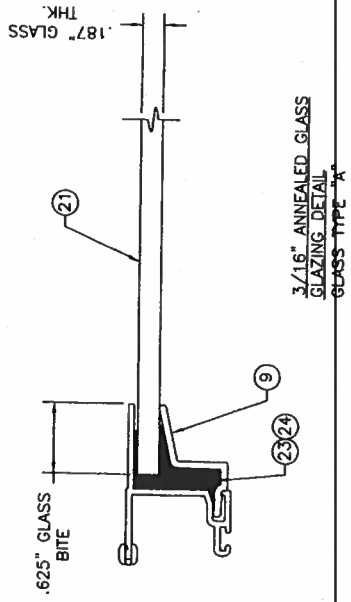
DATE: 10/27/03		SCALE: N.T.S.	
NO. DATE		DWG. BY: T.J.H	
2	2/10/04	CHK. BY: RW	
1	01/04	ISSUING NO.: S-2422	
CORRECT DP TABLE			
REVISED PER DATE LETTER			
REVISIONS			
BY	WH		
PART OR ASSEMBLY:		GENERAL NOTES & TYPICAL ELEVATIONS	
NON-IMPACT SINGLE HUNG WINDOW RECTANGLE			
CIRCLE TOP & ORIEL			
PRODUCT:			

Approved as everything with the
 Shirley Bickley Co.
 Date 03/09/04
 INQ# 03-215-02
 Authors' Trade Protection Center
 11/11/03
 by Shirley Bickley

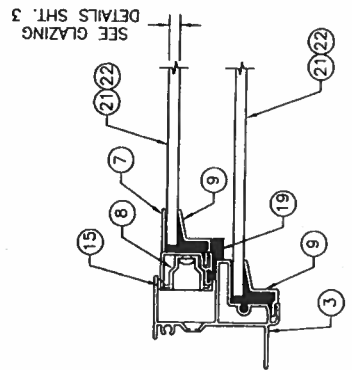
Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 8813
 2/10/04

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

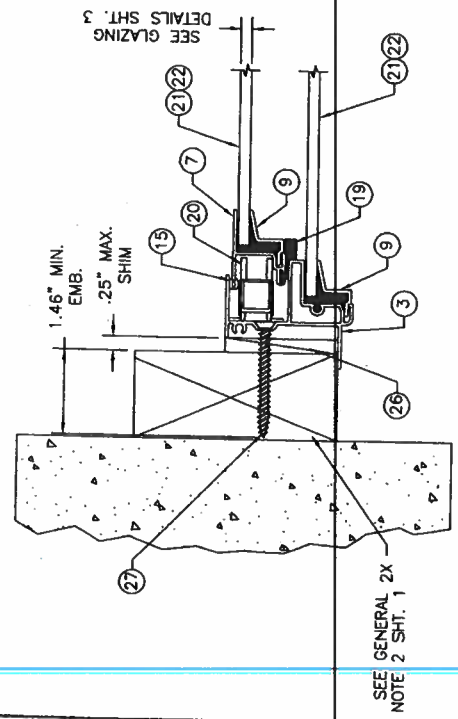
DATE: 10/27/03	SCALE: N.T.S.
DWG. BY: T/JH	CHK. BY: RW
DRAWING NO.: S-2422	SHEET 3 of 5



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

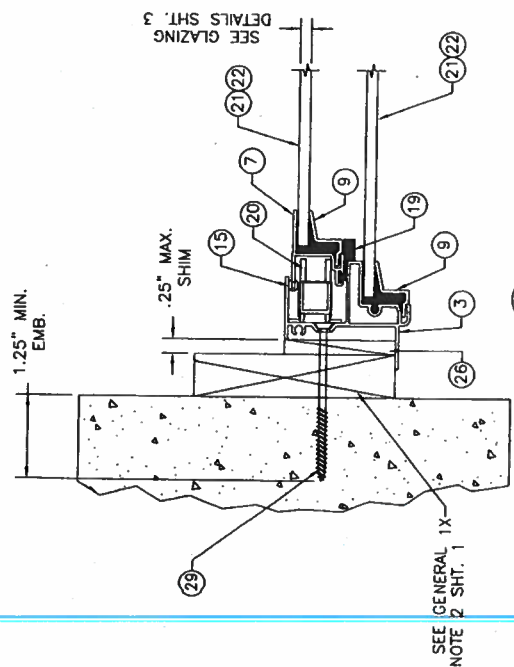


1 HORIZONTAL CROSS SECTION
 3 SHOWING SASH CAM
 MASONRY & BUCK NOT SHOWN



1 HORIZONTAL CROSS SECTION
 3 W/2X BUCK

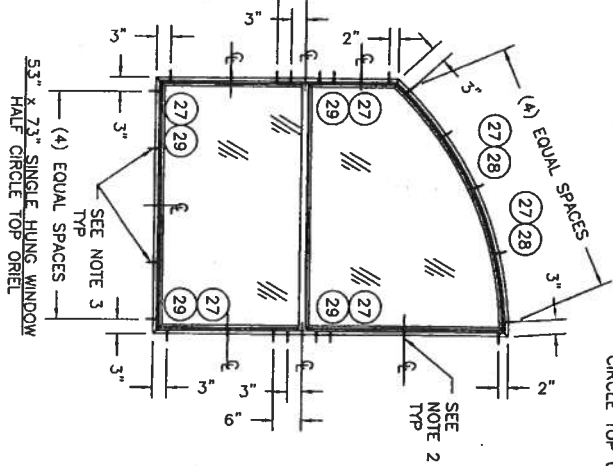
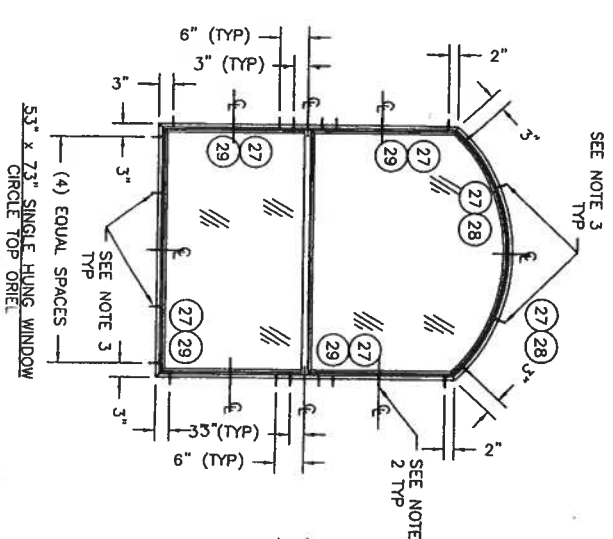
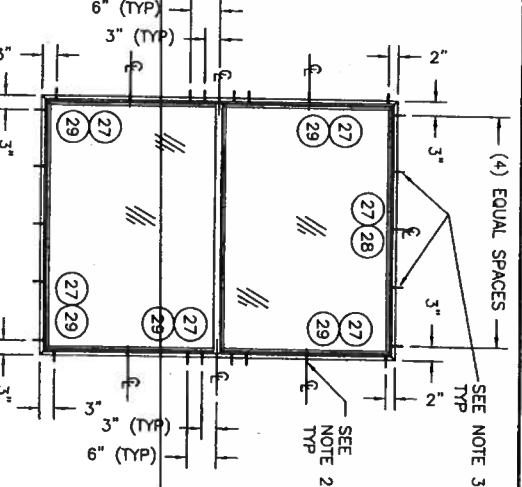
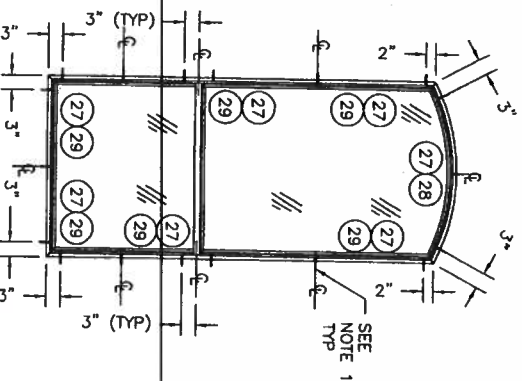
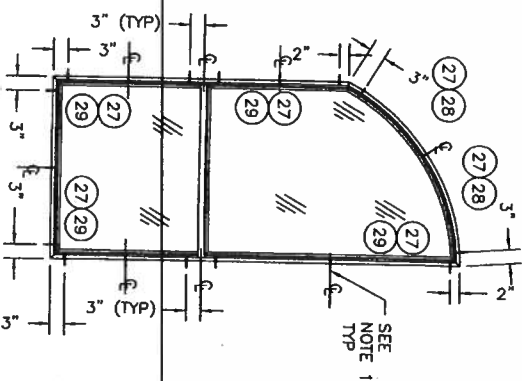
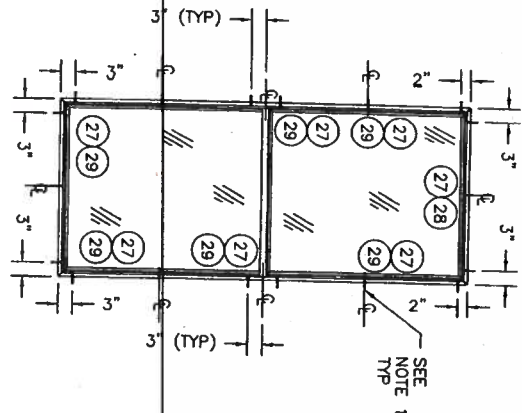
SEE GENERAL 2X
 NOTE 2 SHT. 1



1 HORIZONTAL CROSS SECTION
 3 W/1X BUCK

SEE GENERAL 1X
 NOTE 2 SHT. 1

Approved as complying with the
 Florida Building Code
 2003 Edition
 10/27/03
 T. J. HARRIS
 T. J. HARRIS
 T. J. HARRIS
 T. J. HARRIS
 T. J. HARRIS



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

Approved as representing with the
 Florida Building Consultants, Inc.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.559.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 6813
 2/10/04
 Wendell Hapley, P.E. NO. 54158

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

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

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

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.559.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 6813
 2/10/04
 Wendell Hapley, P.E. NO. 54158

Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 0013
Handwritten Signature
 2/10/04



Aluminum Single Hung and Picture Windows

Series 130/131/135/136

2001 Florida Product Approval #1950.1(2,3,4) / 1954.1(2,3)

2004 Florida Product Approval #5768.1

- **Test Reports**
- **Installation Detail**
- **Comparative Analysis**

Series 140/141/145/146

2001 Florida Product Approval #1950.6(7,8) / 1954.4(5,6,7)

2001 Florida Product Approval #5768.2/5769.1

- **Test Reports**
- **Installation Details**
- **Comparative Analysis**

Series 330/331/335/336

2001 Florida Product Approval #1950.11(12,13,14)

- **Test Reports**
- **Installation Detail**
- **Comparative Analysis**

Series 340/341/345/346

2001 Florida Product Approval #1950.15(16,17,18,19) / 1954.10(11,12)

2004 Florida Product Approval #5768.3

- **Test Reports**
- **Installation Detail**
- **Comparative Analysis**

Series 530/531/535/536

2001 Florida Product Approval #3210.2(3, 4)

- **Test Reports**
- **Installation Detail**
- **Comparative Analysis**

Series 540/541/545/546

Florida Product Approval #3210.2(3,4)

- **Test Reports**
- **Installation Detail**
- **Comparative Analysis**

Series 551/561/556/566 (Impact)

Florida Product Approval #1950.22

561 Florida Product Approval #5768.4

- **Test Reports**

Project Summary
Entire House
Glenn I. Jones, Inc.

Job: LL Ph2 Lot 7
Date:
By: Louis Weeks

Project Information

For: Laurel Lakes Ph 2 Lot 7

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	29476 Btuh
Ducts	1474 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	30950 Btuh

Sensible Cooling Equipment Load Sizing

Structure	21664 Btuh
Ducts	2166 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	23115 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1959	1959
Volume (ft³)	19592	19592
Air changes/hour	0.80	0.40
Equiv. AVF (cfm)	261	131

Latent Cooling Equipment Load Sizing

Structure	5959 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	5959 Btuh
Equipment total load	29074 Btuh
Req. total capacity at 0.70 SHR	2.8 ton

Heating Equipment Summary

Make Carrier
Trade Base 13 Puron HP
Model 25HBA336A30

Efficiency	8.1 HSPF
Heating input	
Heating output	35800 Btuh @ 47°F
Temperature rise	29 °F
Actual air flow	1133 cfm
Air flow factor	0.037 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

Cooling Equipment Summary

Make Carrier
Trade Base 13 Puron HP
Cond 25HBA336A30
Coil FY4ANF042

Efficiency	13 SEER
Sensible cooling	23800 Btuh
Latent cooling	10200 Btuh
Total cooling	34000 Btuh
Actual air flow	1133 cfm
Air flow factor	0.048 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	0.80

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	LL ph2 lot 7	Builder:	Glenn I. Jones, Inc.
Address:		Permitting Office:	
City, State:	,	Permit Number:	
Owner:	Laural Lakes Ph2 Lot 7	Jurisdiction Number:	
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 34.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1959 ft²		
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: 34.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble, U=0.6) 55.0 ft²		HSPF: 8.10
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 212.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 0.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.92
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=11.0, 1600.3 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=11.0, 320.0 ft²	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, 1959.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH(Sealed):Garage Sup. R=6.0, 162.0 ft			
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 24647

Total base points: 31352

PASS

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

PREPARED BY: Louis Weeks

DATE: 2-15-07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1959.0	20.04	7066.5	Double,U=0.61,Clear	E	1.5	8.0	28.0	43.20	0.96	1156.0
				Double,U=0.61,Clear	E	6.0	6.0	10.0	43.20	0.52	223.7
				Double,U=0.61,Clear	E	1.5	6.0	20.0	43.20	0.91	788.6
				Double,U=0.61,Clear	N	1.5	6.0	35.0	20.46	0.94	672.3
				Double,U=0.61,Clear	W	1.5	6.0	55.0	39.69	0.91	1993.9
				Double,U=0.52,Clear	W	6.0	6.0	25.0	40.18	0.53	532.7
				Double,U=0.61,Clear	S	1.5	6.0	15.0	37.01	0.86	475.4
				Double,U=0.61,Clear	S	1.5	4.0	9.0	37.01	0.74	245.6
				Double,U=0.61,Clear	N	5.0	6.0	15.0	20.46	0.74	226.6
				As-Built Total:		212.0			6314.8		
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Exterior	1600.3	1.70	2720.5	Frame, Wood, Exterior	11.0			1600.3	1.70	2720.5	
Adjacent	320.0	0.70	224.0	Frame, Wood, Adjacent	11.0			320.0	0.70	224.0	
Base Total: 1920.3 2944.5				As-Built Total:		1920.3			2944.5		
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Exterior	21.0	4.10	86.1	Exterior Wood				21.0	6.10	128.1	
Adjacent	0.0	0.00	0.0								
Base Total: 21.0 86.1				As-Built Total:		21.0			128.1		
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1959.0	1.73	3389.1	Under Attic	30.0			1959.0	1.73 X 1.00	3389.1	
Base Total: 1959.0 3389.1				As-Built Total:		1959.0			3389.1		
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	183.3(p)	-37.0	0.0	Slab-On-Grade Edge Insulation	0.0			183.3(p)	-41.20	0.0	
Raised	0.0	0.00	0.0								
Base Total: 0.0				As-Built Total:		0.0			0.0		
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
1959.0 10.21 20001.4							1959.0 10.21 20001.4				

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
Summer Base Points: 33487.6				Summer As-Built Points: 32777.9									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
33487.6		0.4266	14285.8	(sys 1: Central Unit 34000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 32778 1.00 (1.09 x 1.147 x 0.95) 0.263 1.000 10220.9 32777.9 1.00 1.188 0.263 1.000 10220.9									

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1959.0	12.74	4492.4	Double,U=0.61,Clear	E	1.5	8.0	28.0	11.68	1.02	333.8
				Double,U=0.61,Clear	E	6.0	6.0	10.0	11.68	1.29	150.2
				Double,U=0.61,Clear	E	1.5	6.0	20.0	11.68	1.04	241.9
				Double,U=0.61,Clear	N	1.5	6.0	35.0	17.34	1.00	608.3
				Double,U=0.61,Clear	W	1.5	6.0	55.0	13.51	1.02	760.7
				Double,U=0.52,Clear	W	6.0	6.0	25.0	10.85	1.17	316.4
				Double,U=0.61,Clear	S	1.5	6.0	15.0	6.22	1.12	104.3
				Double,U=0.61,Clear	S	1.5	4.0	9.0	6.22	1.35	75.8
				Double,U=0.61,Clear	N	5.0	6.0	15.0	17.34	1.02	264.3
				As-Built Total:				212.0	2855.8		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Exterior	1600.3	3.70	5921.1	Frame, Wood, Exterior	11.0		1600.3	3.70	5921.1		
Adjacent	320.0	3.60	1152.0	Frame, Wood, Adjacent	11.0		320.0	3.60	1152.0		
Base Total: 1920.3 7073.1				As-Built Total:		1920.3		7073.1			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Exterior	21.0	8.40	176.4	Exterior Wood	21.0 12.30 258.3						
Adjacent	0.0	0.00	0.0								
Base Total: 21.0 176.4				As-Built Total:		21.0		258.3			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1959.0	2.05	4015.9	Under Attic	30.0		1959.0	2.05 X 1.00		4015.9	
Base Total: 1959.0 4015.9				As-Built Total:		1959.0		4015.9			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	183.3(p)	8.9	0.0	Slab-On-Grade Edge Insulation	0.0		183.3(p)	18.80		0.0	
Raised	0.0	0.00	0.0								
Base Total: 0.0				As-Built Total:		0.0		0.0			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1959.0 -0.59 -1155.8				1959.0 -0.59 -1155.8							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 14602.0				Winter As-Built Points: 13047.4						
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.069 x 1.169 x 0.95)	X System Multiplier 0.421	X Credit Multiplier 1.000	= Heating Points 6520.9	
14602.0	0.6274	9161.3		13047.4	1.00	1.187	0.421	1.000	6520.9	

(sys 1: Electric Heat Pump 34000 btuh ,EFF(8.1) Ducts:Unc(S),Unc(R),Gar(AH),R6.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2635.00		7905.0	40.0	0.92	3		1.00	2635.00 1.00 7905.0
					As-Built Total:					7905.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
14286		9161		7905 31352	10221		6521		7905 24647

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.5

The higher the score, the more efficient the home.

Laural Lakes Ph2 Lot 7, , , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 34.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1959 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: 34.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble, U=0.6)	55.0 ft ² ___		HSPF: 8.10
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear)	212.0 ft ² ___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 0.0(p) ft	___	14. Hot water systems	
b. N/A		___	a. Electric Resistance	Cap: 40.0 gallons
c. N/A		___		EF: 0.92
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=11.0, 1600.3 ft ²	___	c. Conservation credits	___
b. Frame, Wood, Adjacent	R=11.0, 320.0 ft ²	___	(HR-Heat recovery, Solar	___
c. N/A		___	DHP-Dedicated heat pump)	___
d. N/A		___	15. HVAC credits	___
e. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,	___
10. Ceiling types		___	HF-Whole house fan,	___
a. Under Attic	R=30.0, 1959.0 ft ²	___	PT-Programmable Thermostat,	___
b. N/A		___	MZ-C-Multizone cooling,	___
c. N/A		___	MZ-H-Multizone heating)	___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH(Scaled):Garage	Sup. R=6.0, 162.0 ft	___		___
b. N/A		___		___

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____

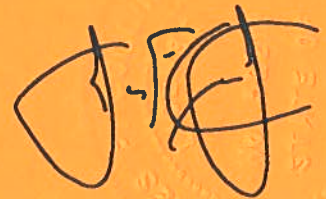


**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if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

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: 1T4U215-Z0313150801

Truss Fabricator: J.L. DUPREE -- LAKE CITY, FL
Job Identification: 182-/Lot 7 Laurel Lakes II
Truss Design: Florida Building Code 2004 and 2006 Supplement
Material: ANSI/TPI-2002(STD)/FBC
Software: Alpine Software, Version 7.25.
Engineer's Note: The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC
Structural Engineer's Address: Roof - 32.0 PSF @ 1.25 Duration
Minimum Loads: Floor - N/A
Wind - 110 MPH ASCE 7-02 - Closed



Seal Date: 02/13/2007

-Truss Design Engineer-
James F. Collins Jr.

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

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

Details: A11015EE-GBLLETIN-BRCLBSUB-CNBRGBLK-A11030EE-

#	Ref	Description	Drawing#	Date
1	90376--A1		07044103	02/13/07
2	90377--A2		07044102	02/13/07
3	90378--A3		07044101	02/13/07
4	90379--A4		07044094	02/13/07
5	90380--A5		07044104	02/13/07
6	90381--A6		07044079	02/13/07
7	90382--A7		07044080	02/13/07
8	90383--A8		07044081	02/13/07
9	90384--A9		07044082	02/13/07
10	90385--A10		07044093	02/13/07
11	90386--A11		07044095	02/13/07
12	90387--A12		07044096	02/13/07
13	90388--A13		07044097	02/13/07
14	90389--A14		07044098	02/13/07
15	90390--A15		07044091	02/13/07
16	90391--A16		07044099	02/13/07
17	90392--A17		07044100	02/13/07
18	90393--A18		07044088	02/13/07
19	90394--A19		07044087	02/13/07
20	90395--A20		07044086	02/13/07
21	90396--A21		07044084	02/13/07
22	90397--A22		07044083	02/13/07
23	90398--D1		07044075	02/13/07
24	90399--D2		07044085	02/13/07
25	90400--JC1		07044077	02/13/07
26	90401--JC3		07044076	02/13/07
27	90402--JC5		07044106	02/13/07
28	90403--JE7		07044078	02/13/07
29	90404--JH10		07044105	02/13/07
30	90405--PB1		07044089	02/13/07
31	90406--PB2		07044090	02/13/07
32	90407--PB3		07044092	02/13/07

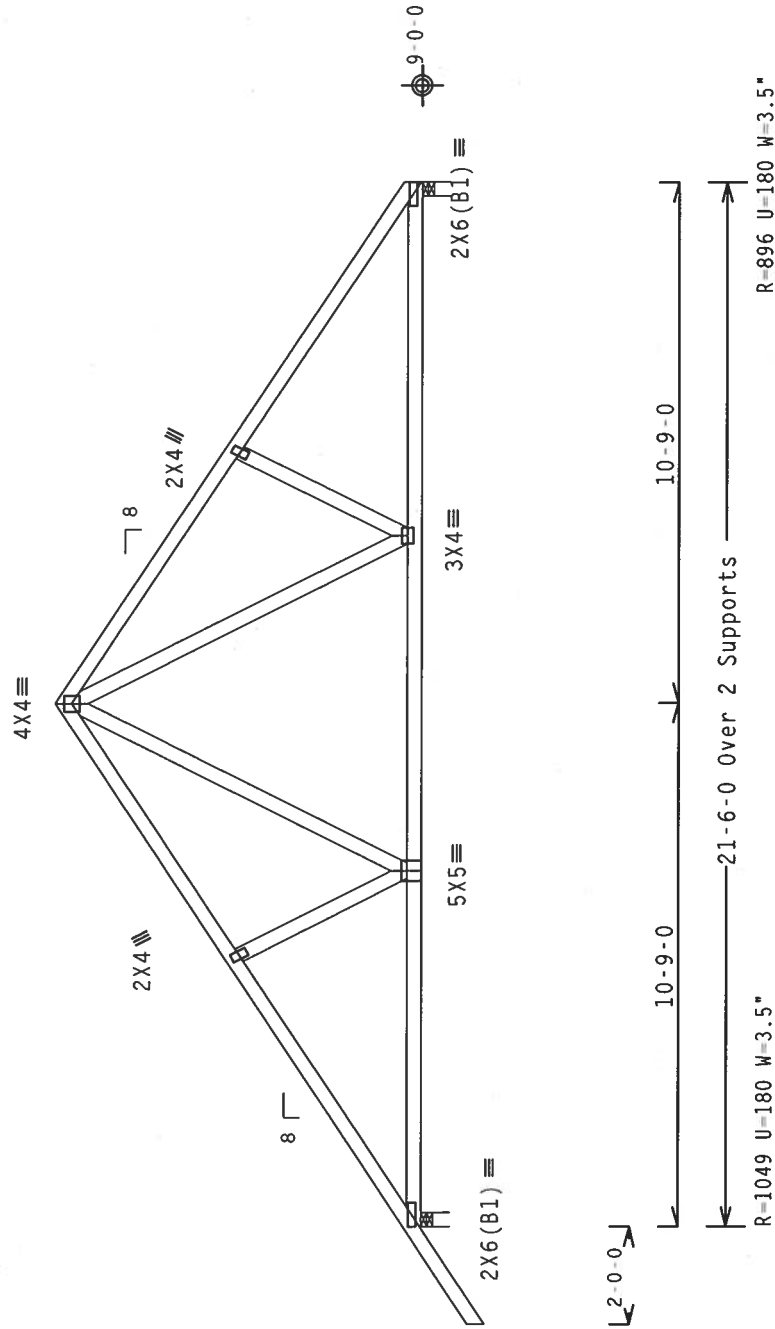


110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

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 7'6"-7'.

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

Scale = .25"/Ft.

[illegible]
$$7.25.0502$$
 $C_q/RT=1.$

Design

2. Wave

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION AVAILABLE FOR TRUSS MANUFACTURER'S INSTRUCTIONS. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND VICA WOOD TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO OR LOSS OF THIS DESIGN OR THE TRUSS IN COMPLIANCE WITH THE DESIGNER'S REQUIREMENTS FOR PROTECTING, HANDLING, SHIPPING AND STAGING OF TRUSSES.

THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI-17TH BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA. CM/SSKX1 ASH A653 GRADE 40/60 CM. K/H-SS1 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 43 OF TPI-17-2002 SEC.3.

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 ANSY/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"

INSTALLING AND BRACING.
STEEL PLATE INSTITUTE, 218
N. 4TH ST., ST. LOUIS, MO.
63101. THESE FUNCTIONS, UNLESS
SPECIFIED OTHERWISE, SHALL BE THE
RESPONSIBILITY OF THE
INSTALLER.

TON, HANDLING, SHIPPING, (T
I). PUBLISHED BY TPI (TRU
D WTC (WOOD TRUSS CON
ICES PRIOR TO PERFORMING
ACHED STRUCTURAL PANELS AND

INSTALLATION CONTRACTOR.
/ FAILURE TO BUILD THE TRU
CONTRACTOR OF TRUSSES.
TIONAL DESIGN SPEC. BY A/E
MIN A653 GRADE 40/60 (W. K/
LOCATED ON THIS DESIGN. POS
ANNER A3 OF IPII-2002 SECT
TING RESPONSIBILITY SOLELY
NMENT FOR ANY BUILDING IS

THE EXTREME CARE IN FABRICATING THIS DESIGN TO THE
COMPONENT SAFETY INFORMATION.
ALEXANDRIA, VA. 22314)
§ 5719 FOR SAFETY PRACTICES
SHALL HAVE PROPERLY AT-
TENDING.

COPY OF THIS DESIGN TO THE
ATION FROM THIS DESIGN; A
SHIPING, INSTALLING
ABLE PROVISIONS OF NOS (N
OF 2018/16GA (M.H/SS/K)A
ES AND, UNLESS OTHERWISE
OLLOWED BY (1) SHALL BE PER-
CE OF PROFESSIONAL ENGINEER
ILITY AND USE OF THIS COM-
PTI 1 SEC. 2.

****WARNING**** TRUSSES REQUIRED TO BECSI (BUILDING REFERENCE) NORTH LEE STREET, SUITE 300 ENTERPRISE LANE, MADISON, WISCONSIN OTHERWISE INDICATED TOP CHORDS ARE A PROPERLY ATTACHED RIGID JOINT.

****IMPORTANT****FURNISH THE DESIGNER WITH ALL INFORMATION NECESSARY TO BE RESPONSIBLE FOR ANY DESIGN OF CONNECTIONS TO BE FABRICATING, AND THE DESIGN CONFORMS WITH APPLICABLE CODES. CONNECTION PLATES ARE MADE TO ORDER. PLATES TO EACH FACE OF TRUSS MEMBERS. ANY INSPECTION OF PLATES OR DRAWING INDICATES ACCEPTANCE BY THE BUILDING DESIGNER PER THE SIGNED AND SEALED DRAWING.



ALPINE
Components Group, Inc.
P.O. Box 33844
Fort Lauderdale, FL 33304



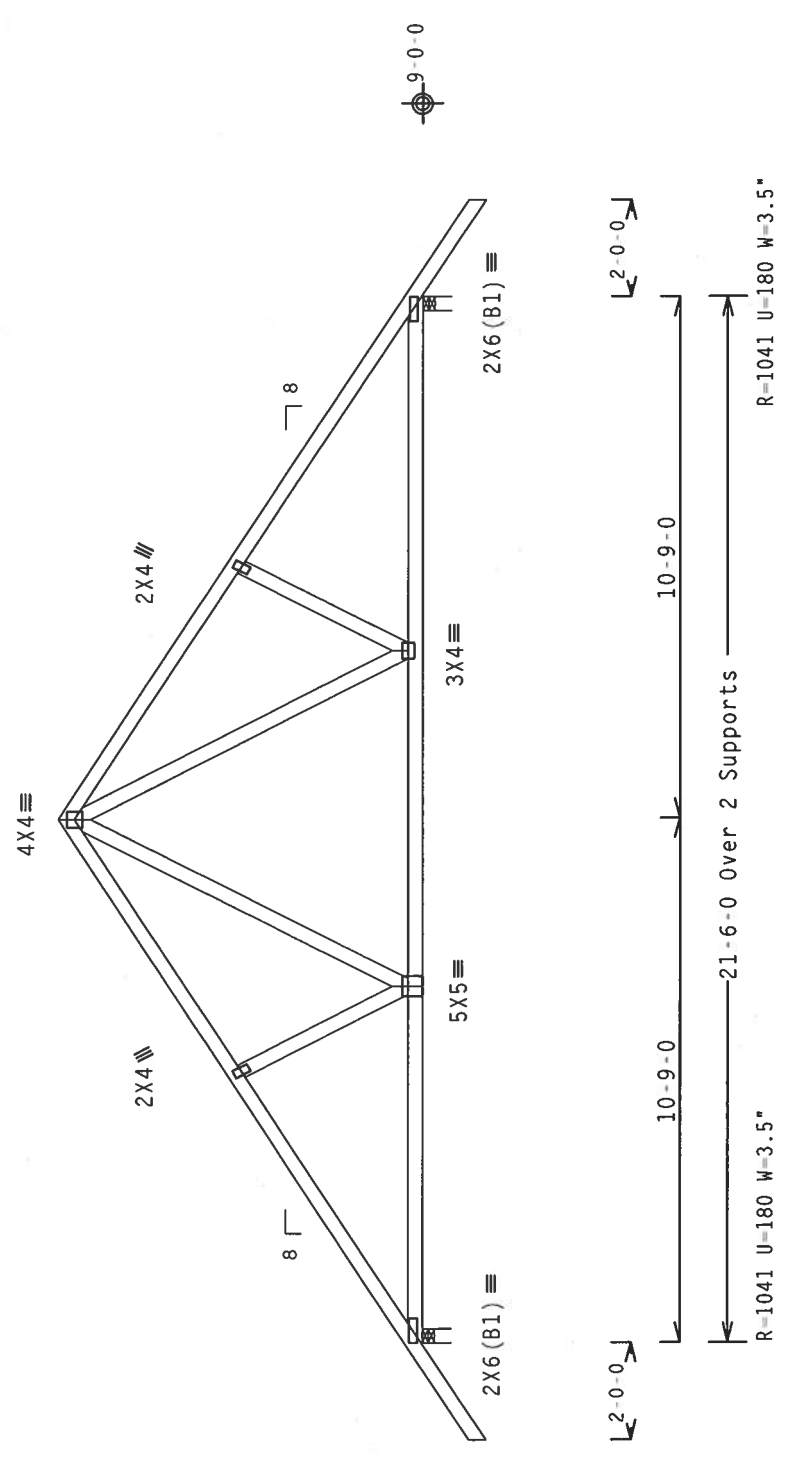
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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.

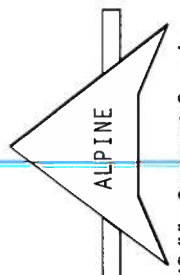
Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 7-6-7.



PLT TYP. Wave



ALPINE

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

Design Crit: TPI-2002(STD)/FBC

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

7.25.0502

QTY: 5

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

Scale = .25"/Ft.

TC LL	20.0 PSF	REF R215-- 90377
TC DL	10.0 PSF	DATE 02/13/07
BC DL	10.0 PSF	DRW HCUSR215 07044102
BC LL	0.0 PSF	HC-ENG JK/MHK *
TOT.LD.	40.0 PSF	SEQN- 158259
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T4U215_Z03

FLORIDA ENGINEER

STATE OF FLORIDA

PROFESSIONAL

Feb 13 2007

No. 5212

F. COLLINS, JR.

ENGINEER

****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 MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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. ITN BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/SS) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE REQUIRED PER 11-2002 SEC. 3. A SEPARATE ANALYSIS OF THE TRUSS SHOWING THE STABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

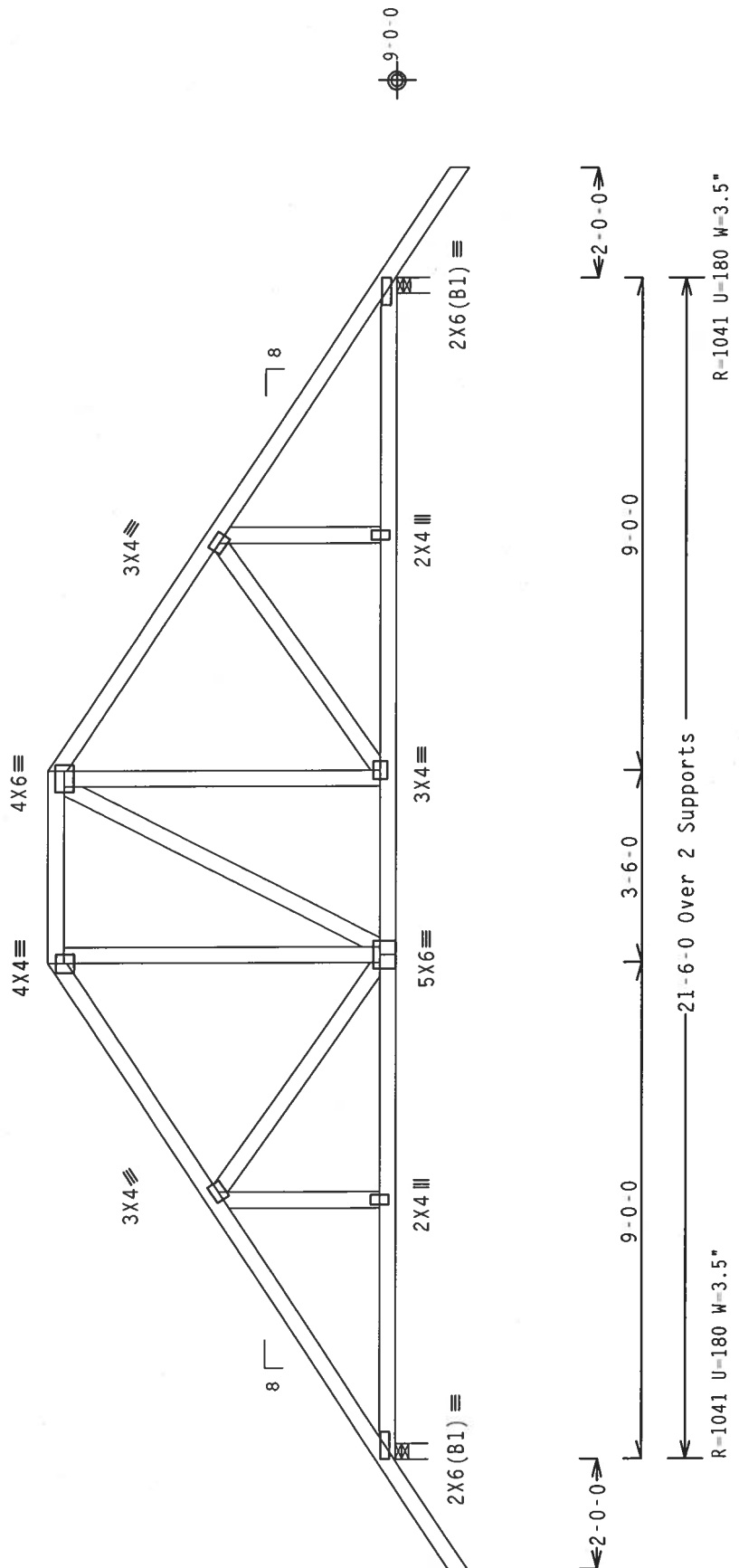
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

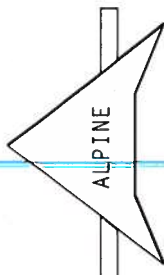
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

The overall height of this truss excluding overhang is 6-4-7.



PLT TYP. Wave



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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502 20

Scale = .3125"/Ft.

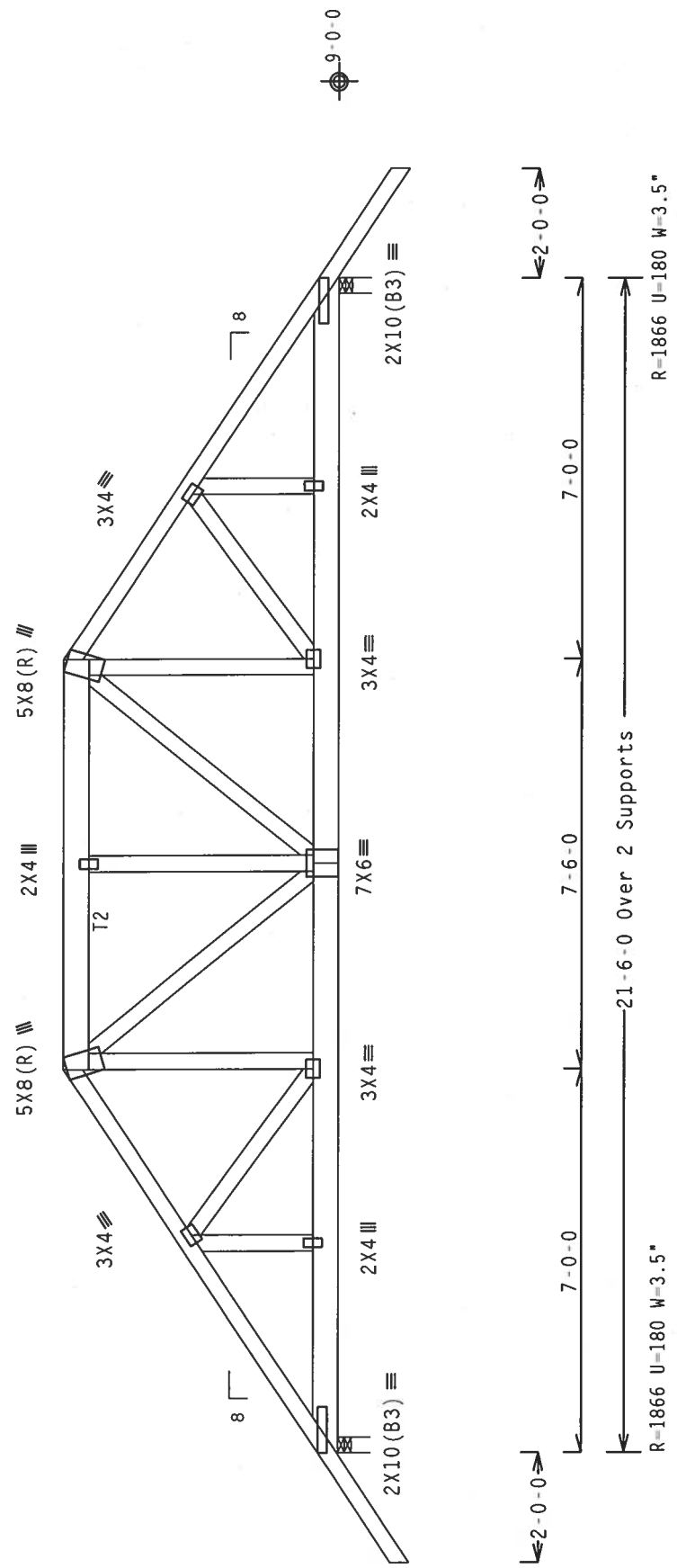
TC LL	20.0 PSF	REF R215-- 90378
TC DL	10.0 PSF	DATE 02/13/07
BC DL	10.0 PSF	DRW HCUSR215 07044101
BC LL	0.0 PSF	HC-ENG JK/WHK *
TOT.LD.	40.0 PSF	SEQN- 158255
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T4U215_Z03

Top chord 2x4 SP #2 N : T2 2x6 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

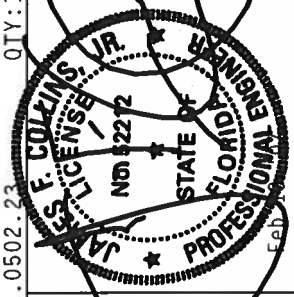
Wind reactions based on MWFRS pressures.
#1 hip supports 7'-0" jacks with no webs.
The overall height of this truss excluding overhang is 5'-0".

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.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Deflection meets L/240 live and L/180 total load.

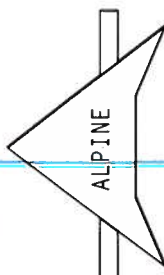


Design Crit: TPI-2002(STD)/FBC

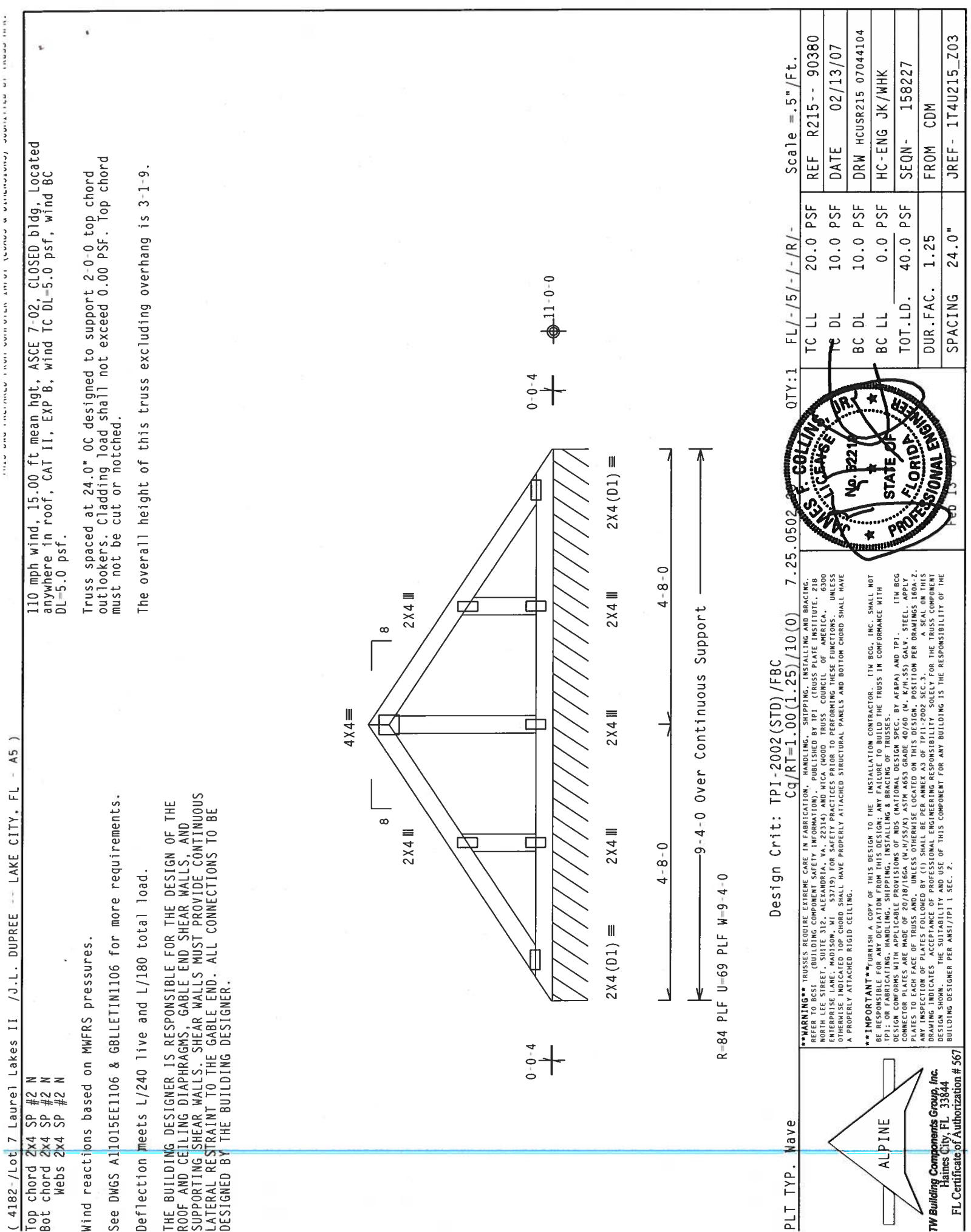
PLT TYP. Wave	QTY: 1	FL / - / 5 / - / - / R / -	Scale = .3125" / Ft.
	AC LL	20.0 PSF	REF R215-- 90379
	TC DL	10.0 PSF	DATE 02/13/07
	BC DL	10.0 PSF	DRW HCUSR215 07044094
	BC UL	0.0 PSF	HC-ENG JK/MHK
	TOT LD.	40.0 PSF	SEQN- 158251
DUP. FAC. 1.25			FROM CDM
SPACING 24.0"			JREF- 1T4U215_Z03

****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, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/1876GA (N/A/55/K) ASTM A653 GRADE 40/60 (N/A/K/H/SS) GALV. STEEL. APPLICABLE CONNECTIONS ARE SHOWN. UNLESS OTHERWISE INDICATED ON THE TRUSS PERMANENTLY MARKED WITH THE DESIGNER'S NAME AND DATE. ANY INSPECTION OF PLATES FOLLOWED BY THE USER SHALL BE THE USER'S RESPONSIBILITY. 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.



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



(4182 - Lot 7 Laurel Lakes II / J.L. DUPREE -- LAKE CITY, FL - A5)

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

Wind reactions based on MWFRS pressures.
See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

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

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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.

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

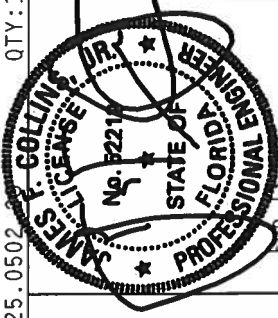
The overall height of this truss excluding overhang is 3-1-9.

PLT TYP. Wave

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

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

Scale = 5"/Ft.

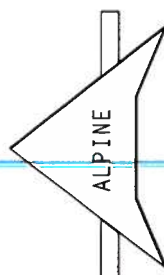
	TC LL	20.0 PSF	REF R215-- 90380
	TC DL	10.0 PSF	DATE 02/13/07
	BC DL	10.0 PSF	DRW HCUSR215 07044104
	BC LL	0.0 PSF	HC-ENG JK/WHK
	TOT.LD.	40.0 PSF	SEQN- 158227
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF- 1T4U215_Z03

****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 NCA (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.

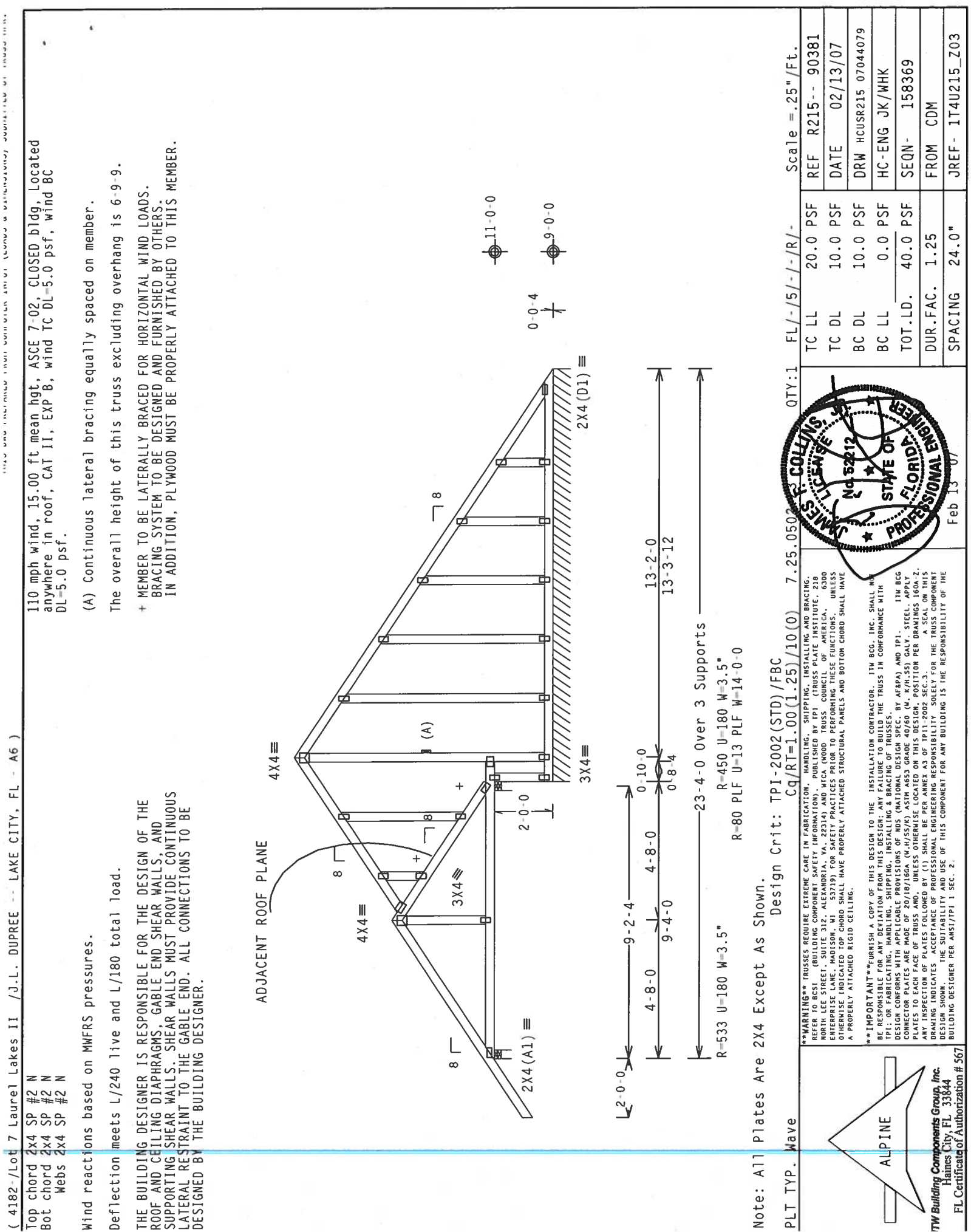
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2017/18/16GA (W/H/SSX) ASTM A653 GRADE 40/60 (IN. K/H-SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOR LOOSE BOLTS OR OTHER DEFECTS. POSITION PER DRAWINGS 1604-Z.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY 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.


ALPINE

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



(4182 - Lot 7 Laurel Lakes II /J.L. DUPREE -- LAKE CITY, FL - A6)

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.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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.

(A) Continuous lateral bracing equally spaced on member.
The overall height of this truss excluding overhang is 6'-9".

+ MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS. IN ADDITION, PLYWOOD MUST BE PROPERLY ATTACHED TO THIS MEMBER.

Scale = .25" / Ft.

PLT TYP. Wave

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.25.0502

Qty: 1

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

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-- 90381

DATE 02/13/07

DRW HCUSR215 07044079

HC-ENG JK/WHK

SEON- 158369

FROM CDM

JREF- 1T4U215_Z03

Feb 13 '07

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844

FL Certificate of Authorization #567

THIS DRAWING IS THE PROPERTY OF TPI. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED ON THIS DRAWING.

(4182 - Lot 7 Laurel Lakes II / J.L. DUPREE -- LAKE CITY, FL - A7)

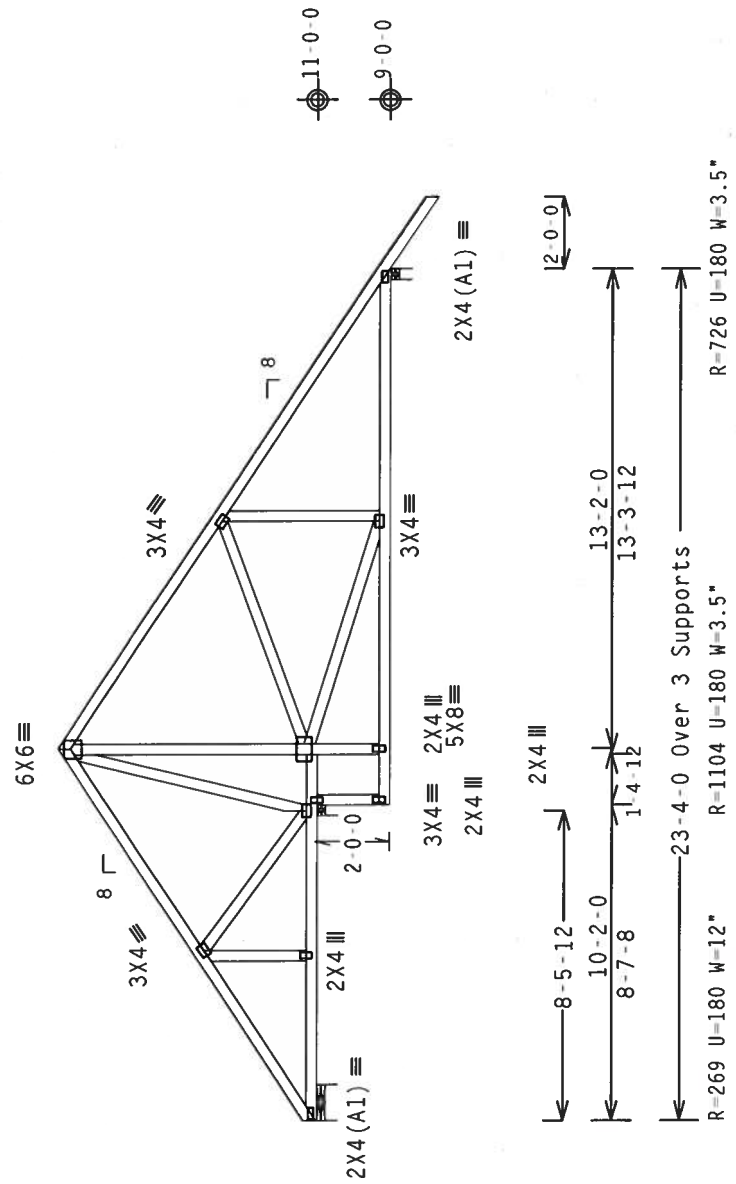
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

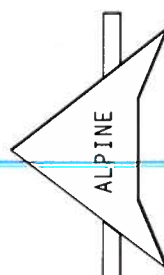
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 7-1-13.





TW 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) 7.25.0502

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

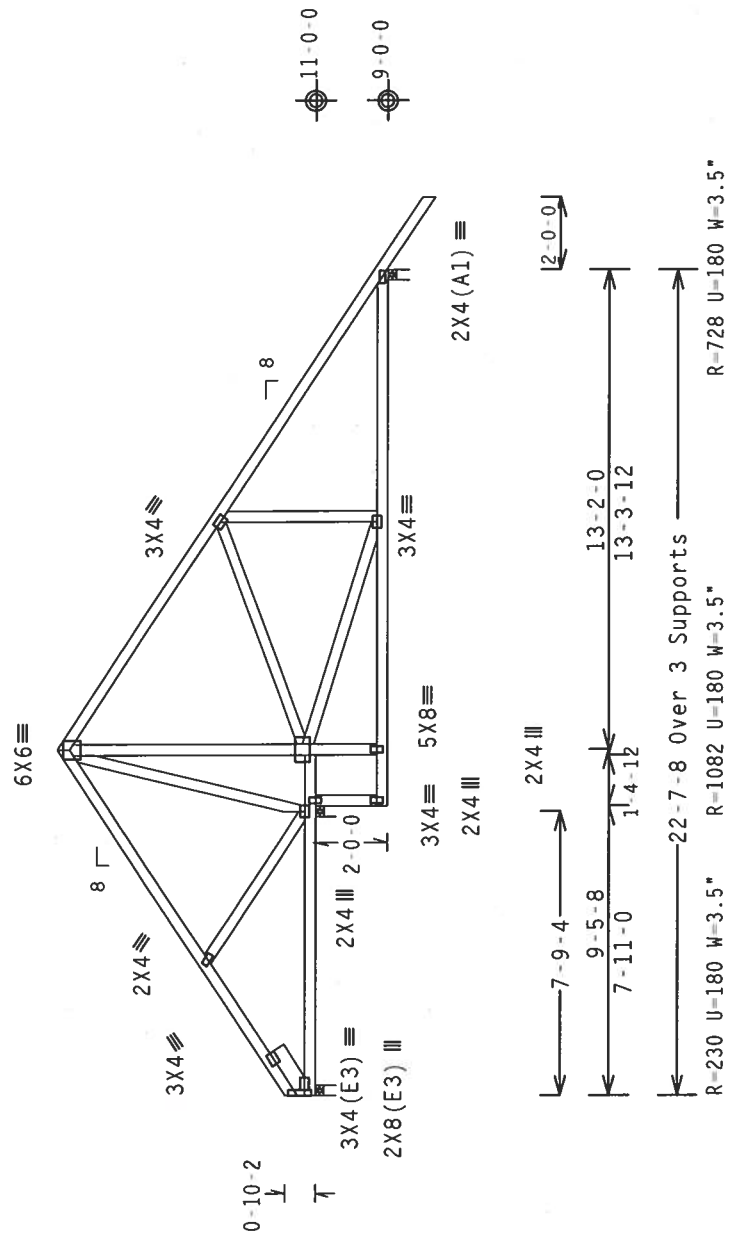
TC LL	20.0 PSF	REF R215-- 90382
TC DL	10.0 PSF	DATE 02/13/07
BC DL	10.0 PSF	DRW HCUSR215 07044080
BC LL	0.0 PSF	HC-ENG JK/WHK
TOT.LD.	40.0 PSF	SEQN- 158233
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T4U215_Z03

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 1-500'
Deflection meets L/240 live and L/180 total load.

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

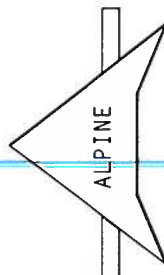
Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 7-1-13.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY: 1	FL / - / 5 / - / - / R / -	Scale = .1875" / Ft.
	TC LL	20.0 PSF	REF R215-- 90383
	TC DL	10.0 PSF	DATE 02/13/07
	BC DL	10.0 PSF	DRW HCUSR215 07044081
	BC LL	0.0 PSF	HC-ENG JK/WHK
	TOT.LD.	40.0 PSF	SEON- 158236
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF- 1T4U215_Z03



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

James P. Collins, Jr.
Professional Engineer
No. 82272
State of Florida
Feb 13 07

****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 MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 (M/H/55X) ASTM A653 GRADE 40/60 (M, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160A-3, 160A-4, 160A-5, 160A-6, 160A-7, 160A-8, 160A-9, 160A-10, 160A-11, 160A-12, 160A-13, 160A-14, 160A-15, 160A-16, 160A-17, 160A-18, 160A-19, 160A-20, 160A-21, 160A-22, 160A-23, 160A-24, 160A-25, 160A-26, 160A-27, 160A-28, 160A-29, 160A-30, 160A-31, 160A-32, 160A-33, 160A-34, 160A-35, 160A-36, 160A-37, 160A-38, 160A-39, 160A-40, 160A-41, 160A-42, 160A-43, 160A-44, 160A-45, 160A-46, 160A-47, 160A-48, 160A-49, 160A-50, 160A-51, 160A-52, 160A-53, 160A-54, 160A-55, 160A-56, 160A-57, 160A-58, 160A-59, 160A-60, 160A-61, 160A-62, 160A-63, 160A-64, 160A-65, 160A-66, 160A-67, 160A-68, 160A-69, 160A-70, 160A-71, 160A-72, 160A-73, 160A-74, 160A-75, 160A-76, 160A-77, 160A-78, 160A-79, 160A-80, 160A-81, 160A-82, 160A-83, 160A-84, 160A-85, 160A-86, 160A-87, 160A-88, 160A-89, 160A-90, 160A-91, 160A-92, 160A-93, 160A-94, 160A-95, 160A-96, 160A-97, 160A-98, 160A-99, 160A-100.

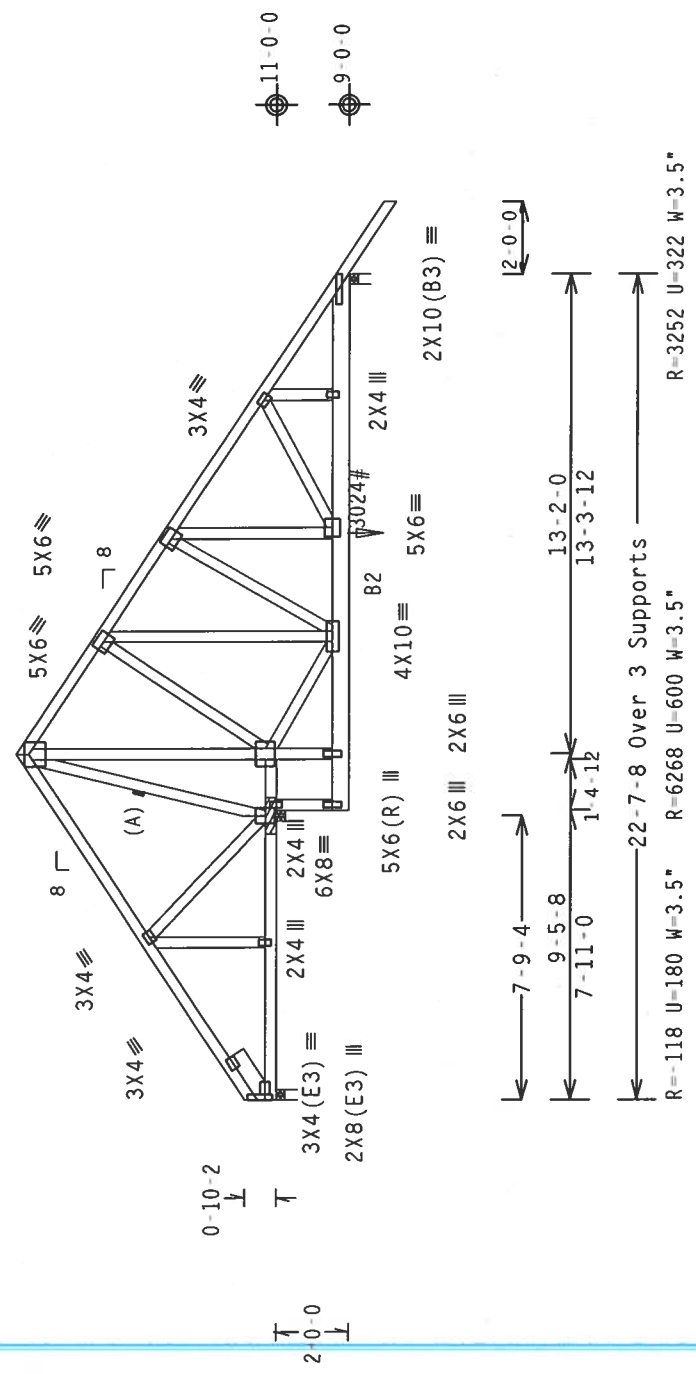
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N : B2 2x6 SP #2 N :
Webs 2x4 SP #2 N
: Lt Slider 2x6 SP #2 N : BLOCK LENGTH = 1.500'

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 9.46
TC - From 64 PLF at 9.46 to 64 PLF at 24.63
BC - From 20 PLF at 0.00 to 20 PLF at 7.92
BC - From 20 PLF at 7.92 to 20 PLF at 22.63
BC - From 5 PLF at 22.63 to 5 PLF at 24.63
PLB- 1446 LB Conc. Load at (9.56,9.04), (11.56,9.04), (13.56,9.04)
PLB- 3025 LB Conc. Load at (15.50,9.04)

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.

Deflection meets L/240 live and L/180 total load. 7X8=



2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @4.75" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
Bearing blocks: Nail type: 0.131"x3" Gun_nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 7.625' 1 12" 6
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGLK1103 for additional information.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

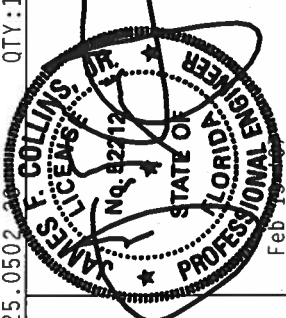
The overall height of this truss excluding overhang is 7'-1-13."

Design Crit: TPI-2002 (STD) /FBC

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE 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 THE DESIGN 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. 1TH BCG CONNECTOR PLATES ARE MADE OF 2018/1866 (A573/557K) ASTM A573 GRADE 40760 (M. K/H-55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PLT TYP. Wave	QTY:1	FL/-5/-/-R/-	Scale =.1875"/Ft.
REF R215-- 90384	TC LL	20.0 PSF	
DATE 02/13/07	TC DL	10.0 PSF	
DRW HCUSR215 07044082	BC DL	10.0 PSF	
HC-ENG JK/WHK	BC LL	0.0 PSF	
SEQN- 158353	TOT.LD.	40.0 PSF	
FROM CDM	DUR.FAC.	1.25	
JREF- 1T4U215_Z03	SPACING	24.0"	



Top chord 2x6 SP #2 N : T1 2x4 SP #2 N :

Bot chord 2X6 SP #2 N

Webs 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.

Wind reactions based on MWFRS pressures.

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

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)

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

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

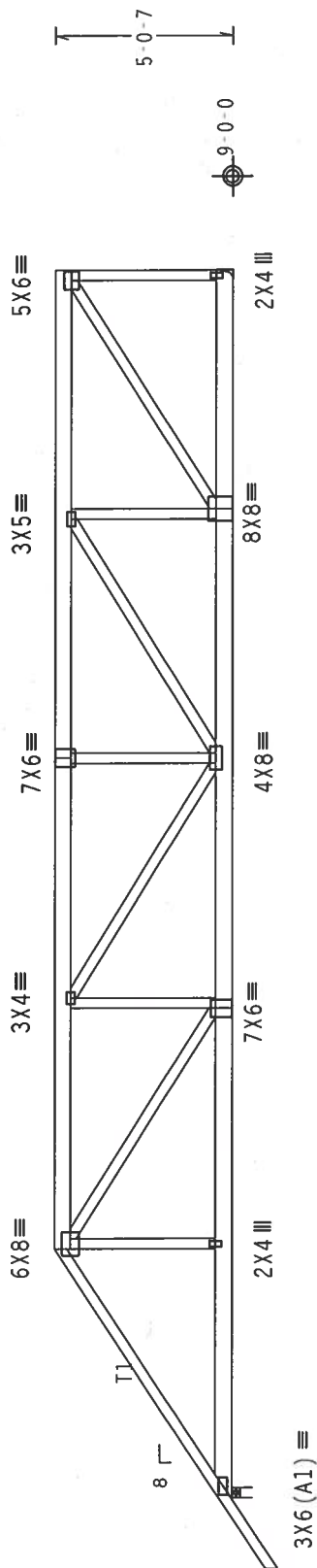
Webs : 1 Row @ 4" O.C.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical not exposed to wind pressure.

#1 hip supports 7-0-0 jacks with no webs.

The overall height of this truss excluding overhang is 5-0-7.



2-0-0

7-0-0

27-8-0

34-8-0 Over 2 Supports

R-2988 U-235 W-3.5"

R=3025 II=207

Design Crit: TPI-2002(STD)/FBC

Scale = .1875" / Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN DRAWINGS FOR CONSTRUCTION AND SAFETY INFORMATION. PUBLISHED BY TPI (CRUSS PLATE INSTITUTE, 218 ENTERPRISE LANE, MOULDSVILLE, MI 48150, MI 48157) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNDER NO CIRCUMSTANCES SHOULD ANYONE ATTEMPT TO REMOVE OR ALTER THE TRUSS WITHOUT THE GUIDANCE OF A TPI ENGINEER. A PROPERLY ATTACHED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

*****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) AND TPI. 17M BCG CONNECTOR PLATES ARE MADE OF 2018/16GA. U/L S25X1/4. ASTM A653 GRADE 40/60 CM. X/H-SS5 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 4.3 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/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		SEE ABOVE	

REF	R215--	90385
DATE	02/13/07	
DRW	HCUSR215	07044093
HC-ENG	WHK/WHK	
SEQN-	162621	
FROM	CDM	
DEE-	174H215	703

PW 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

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

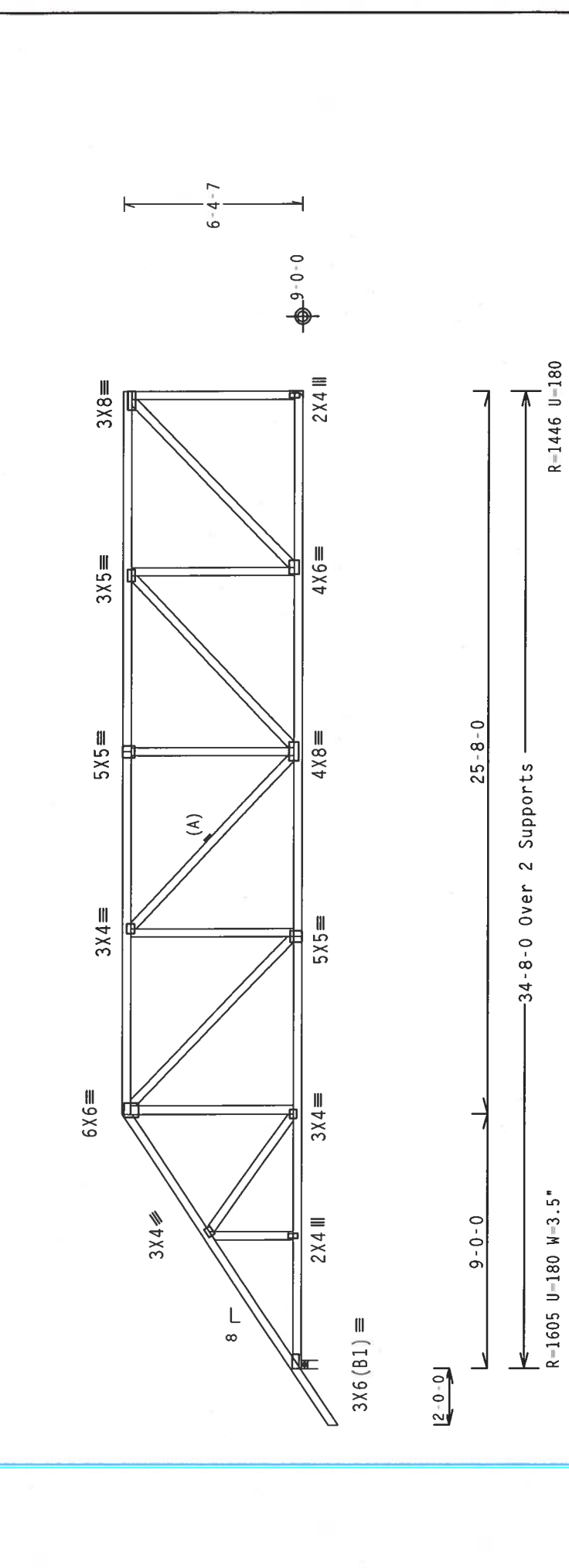
Deflection meets L/240 live and L/180 total load.

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

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 6'-4"-7".



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

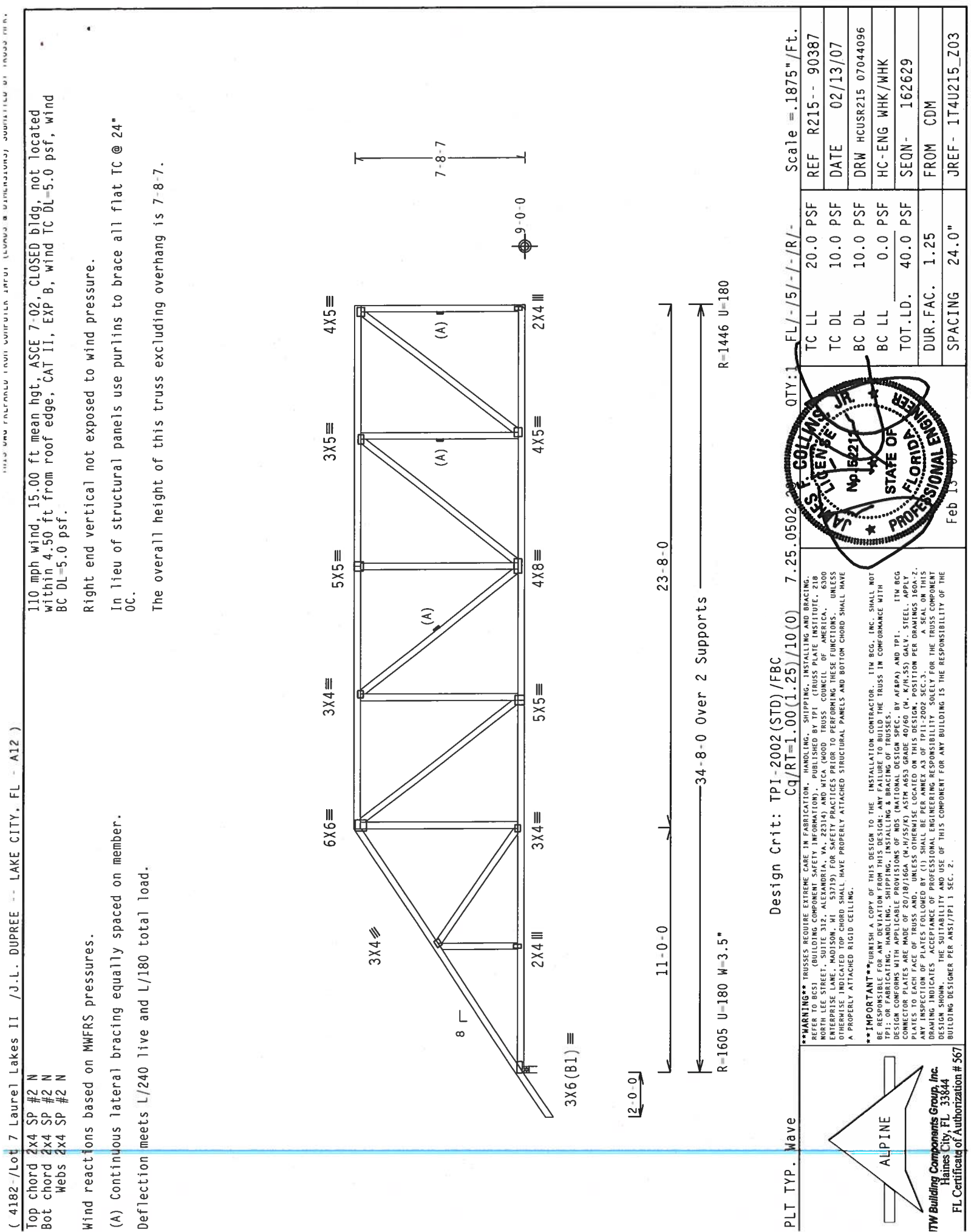
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/160A (W/H/SS/K) ASTM A563 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY AND INSPECT EACH TRUSS PLATE. UNLESS OTHERWISE INDICATED, 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.

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

REF	R215 -	90386
DATE	02/13/07	
DRW	HCUSR215	07044095
HC-ENG	WHK / WHK	
SEQN	162625	
FROM	CDM	
JREF	1T4U215_Z03	



(4182 - Lot 7 Laurel Lakes II / J.L. DUPREE -- LAKE CITY, FL - A12)

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

Wind reactions based on MWFRS pressures.

(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 7'-8"-7.

Right end vertical not exposed to wind pressure.

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

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.

Scale = 1/8" = 1'-0"

Design Crit: TPI-2002(STD)/FBC

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

7.25.0502

QTY: 1

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

Scale = 1/8" = 1'-0"

REF R215-- 90387

DATE 02/13/07

DRW HCUSR215 07044096

HC-ENG WHK/WHK

SEON- 162629

FROM CDM

JREF- 1T4U215_Z03

PLT TYP. Wave

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 BCGI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** 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 2018/176GA (M/H/55X) ASTM A653 GRADE 40/60 (M, K/M,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS CHORDS UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY 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.

	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, 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.

Wind reactions based on MWFRS pressures.

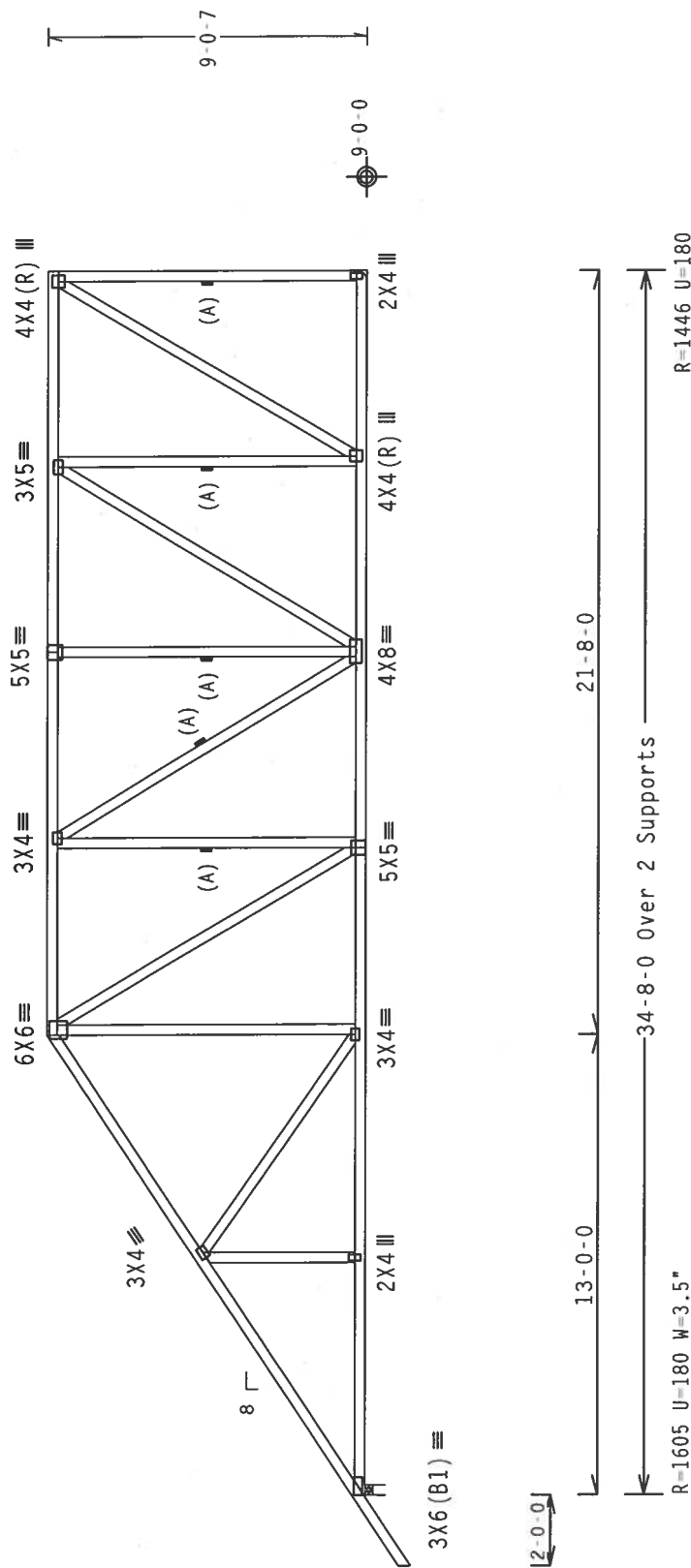
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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

The overall height of this truss excluding overhang is 9'-0"-7".



Design Crit: TPI-2002(STD)/FBC

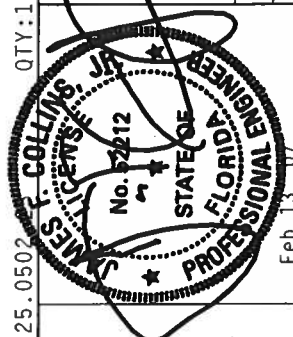
QTY:1 FL/-/5/-/-/R/- Scale = .1875" / Ft.

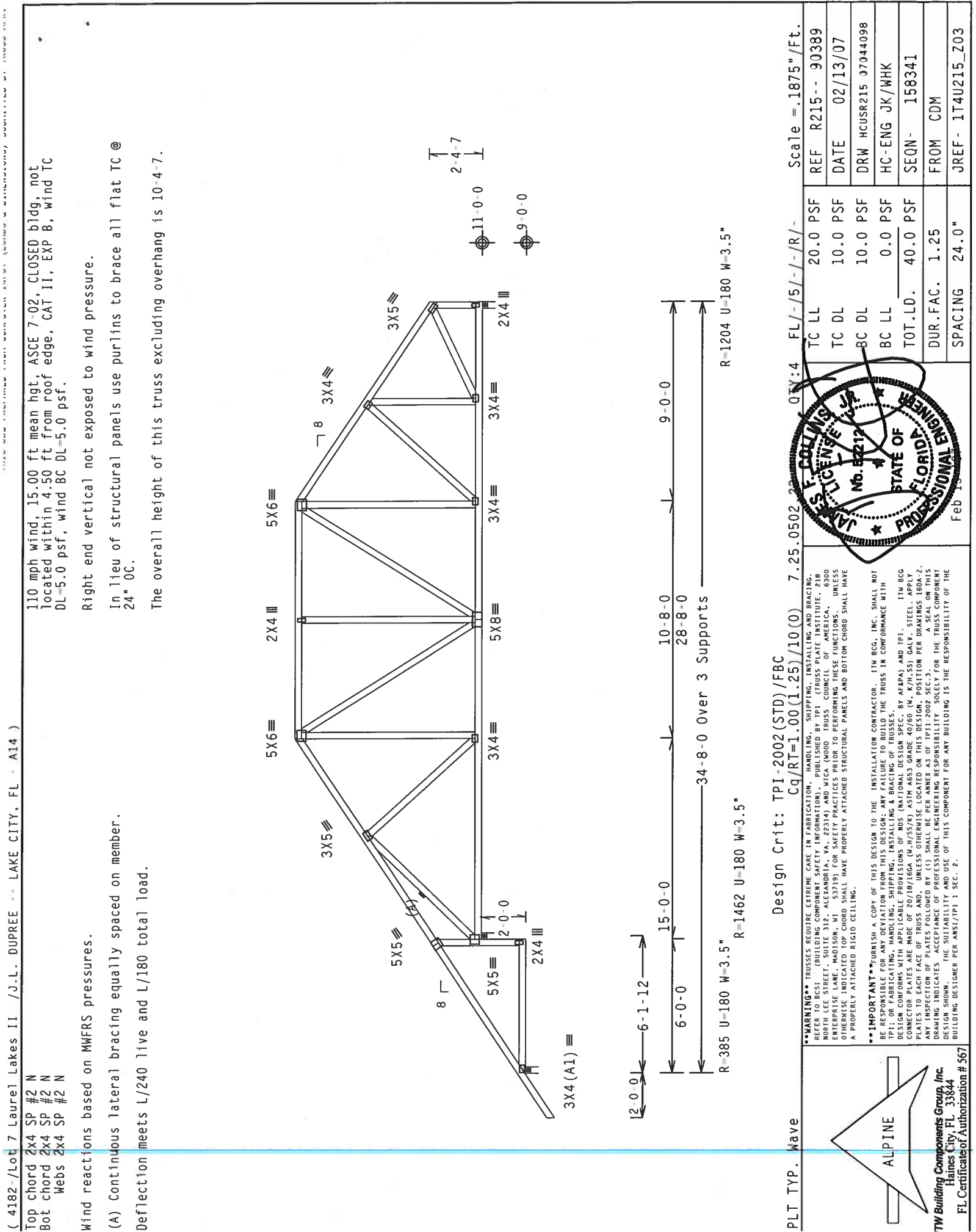
PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALWAYS FOLLOW THE MANUFACTURER'S SAFETY INFORMATION. PUBLISHED BLUEPRINTS (CRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, COVINGTON, MISSISSIPPI 39401) OR ADEQUATE WORKMANSHIP SHALL BE REQUIRED FOR ALL TRUSSES. ERFERISE LANE, MADISON, MI 48271, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH 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 ITW BCG FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING DURING THE INSTALLATION OF THE TRUSS. CONNECTOR PLATES ARE MADE OF 2010/16GALN ALUMINUM WITH ANODIZED COLOR SPEC. BY AFPSO AND TPI. STEEL 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.

IC LL	20.0	PSF	REF	R215--	90388
TC DL	10.0	PSF	DATE	02/13/07	
BC DL	10.0	PSF	DRW	HCUSR215	07044097
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	162633	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T4U215_Z03	





(4182-/Lot 7 Laurel Lakes II /J.L. DUPREE -- LAKE CITY, FL - A14)

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

Wind reactions based on MWFRS pressures.

(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 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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

12'-0" 0'-12' 6'-0" 15'-0" 10'-8" 9'-0" 28'-8" 34'-8" Over 3 Supports

R=385 U=180 W=3.5"

R=1462 U=180 W=3.5"

R=1204 U=180 W=3.5"

Scale = .1875" / Ft.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.25.0502 22

QTY: 4

FL/-/5/-/1-/R/-

REF R215-- 90389

DATE 02/13/07

DRW HCUSR215 07044098

HC-ENG JK/MHK

SEQN- 158341

FROM CDM

JREF- 1T4U215_Z03

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.

Right end vertical not exposed to wind pressure.

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

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

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.

Right end vertical not exposed to wind pressure.

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

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

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.

Right end vertical not exposed to wind pressure.

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

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

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.

Right end vertical not exposed to wind pressure.

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

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

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.

Right end vertical not exposed to wind pressure.

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

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

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.

Right end vertical not exposed to wind pressure.

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

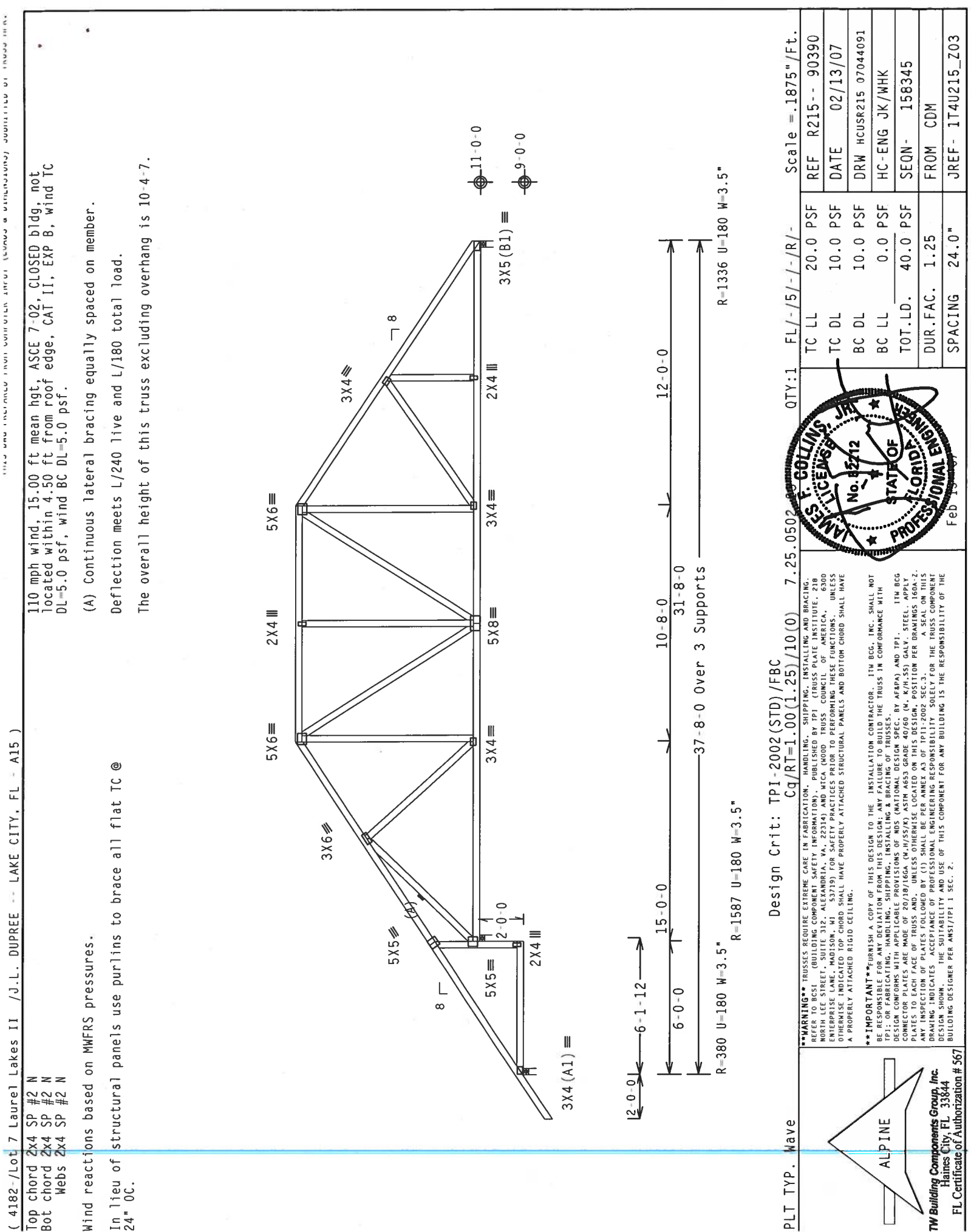
The overall height of this truss excluding overhang is 10'-4".

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.

Right end vertical not exposed to wind pressure.

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

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



(4182-/Lot 7 Laurel Lakes II /J.-L. DUPREE -- LAKE CITY, FL - A15)

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

Wind reactions based on MWFRS pressures.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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.

(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 10'-4".

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502 10 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

REF R215-- 90390
DATE 02/13/07
DRW HCUSR215 07044091
HC-ENG JK/WHK
SEQN- 158345
FROM CDM
JREF- 1T4U215_Z03

ALPINE

TW 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
Web	2x4	SP	#2 N

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead load.

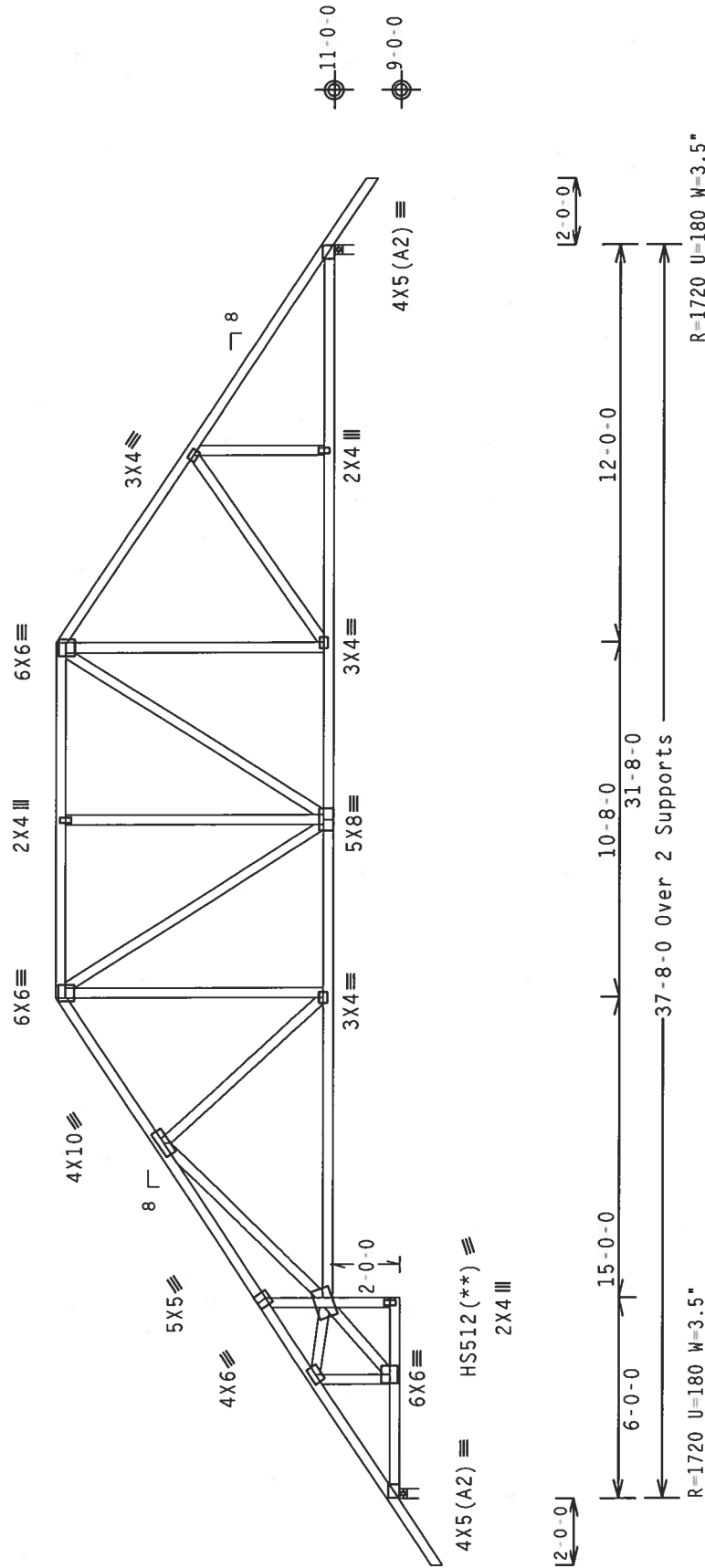
Deflection meets L/240 live and L/180 total load.

(**) 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, 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.

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

The overall height of this truss excluding overhang is 10'-4"-7'.



Design Crit: TPI-2002(STD)/FBC

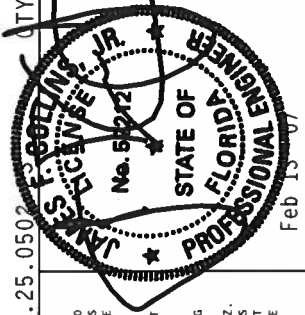
PLT TYP. 20 Gauge HS,Wave

 $Cq/RT=1.00(1.25)/10(0) \quad 7.25.0502$

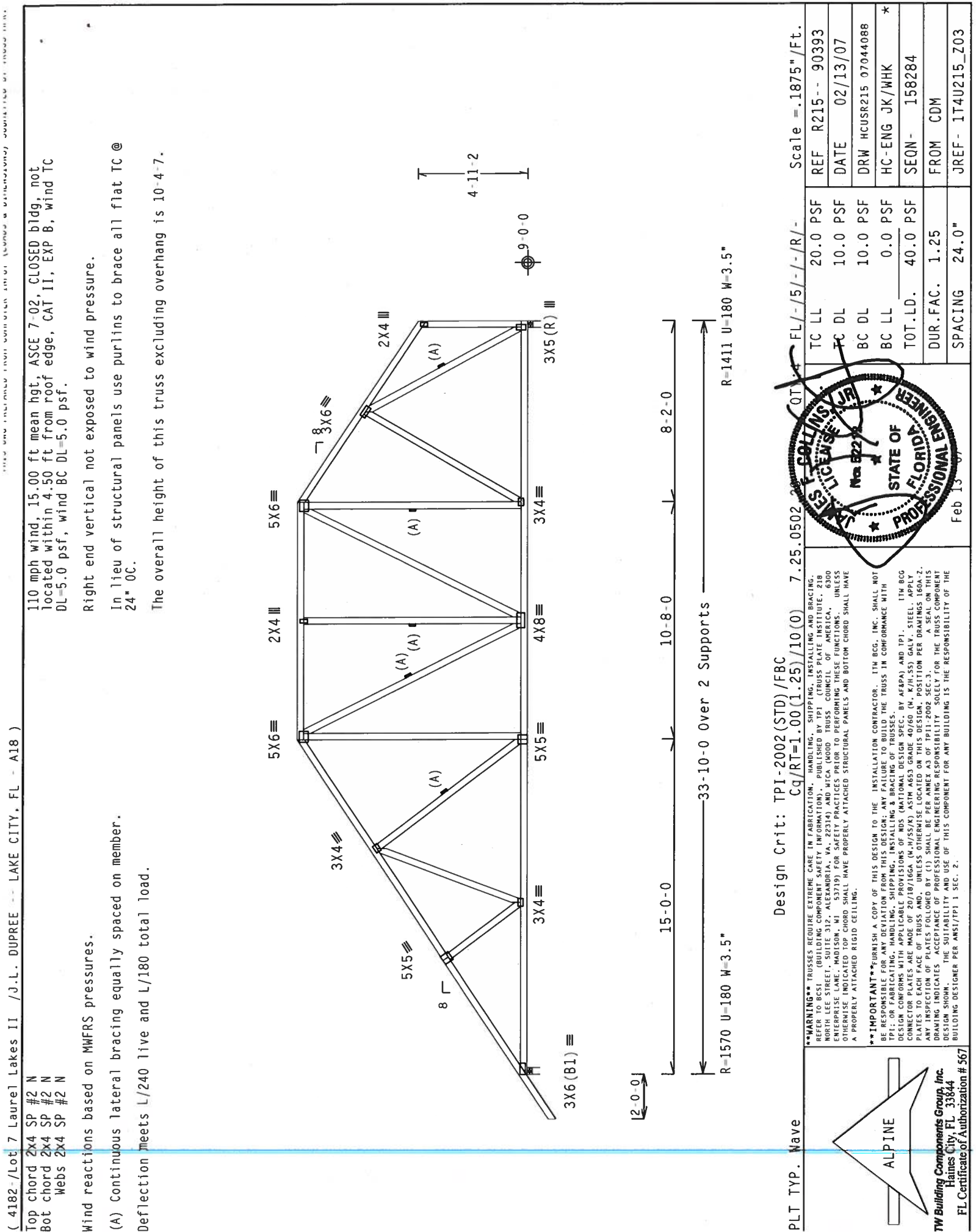
0502 ~~FL/~~ - / 5 / - / - / R / -
QTY: 2

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R215--	90392
TC DL	10.0	PSF	DATE	02/13/07	
BC DL	10.0	PSF	DRW	HCUSR215	07044100
BC LL	0.0	PSF	HC-ENG	JK/JHK	
TOT.LD.	40.0	PSF	SEQN-	158308	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	174U215_Z03	



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



(4182 - Lot 7 Laurel Lakes II /J-L. DUPREE -- LAKE CITY, FL - A18)

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

Wind reactions based on MWFRS pressures.

(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 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

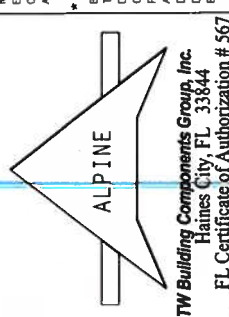
The overall height of this truss excluding overhang is 10-4-7.

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502

PLT TYP. Wave

Scale = .1875" /Ft.

REF	R215--	90393
DATE	02/13/07	
DRW	HCUSR215	07044088
HC-ENG	JK/WHK	*
SEQN	158284	
FROM	CDM	
JREF	1T4U215_Z03	



TW 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

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.

Wind reactions based on MWFRS pressures.

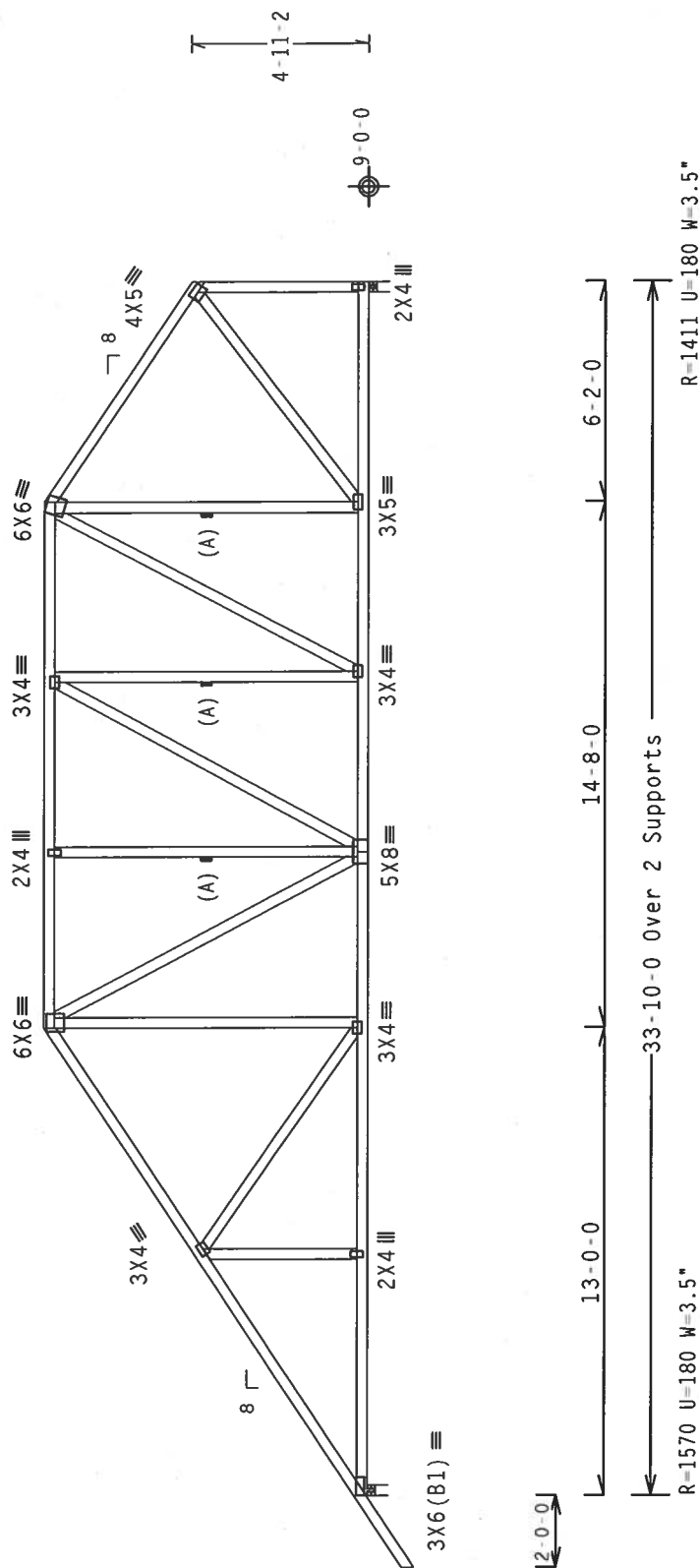
(A) Continuous lateral bracing equally spaced on member.

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

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 9-0-7.



Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.25.0502

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

Scale = .1875"/Ft.

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

QTY:1

0502300

7.25.0

10(0

 $0.25) /$

00(1

 $RT=1.$

Cg/11

•
•
•
•

三

2
3
4
5

Wave

ГҮР.

PLT

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE MANUFACTURER FOR COMPLETE INSTRUCTIONS. THIS INFORMATION IS NOT A SUBSTITUTE FOR THE INSTRUCTIONS PROVIDED BY THE MANUFACTURER. IF YOU ARE A TRUSS COMPANY, CONTACT THE TRUSS SOCIETY OF AMERICA, 100 NORTH LEE STREET, SUITE 312, SANDSPRING, VA 22134, AND NCTA (WOOD TRUSS COUNCIL OF AMERICA), 537191, FOR SAFETY PRACTICES AND PROCEDURES TO FOLLOW WHEN PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

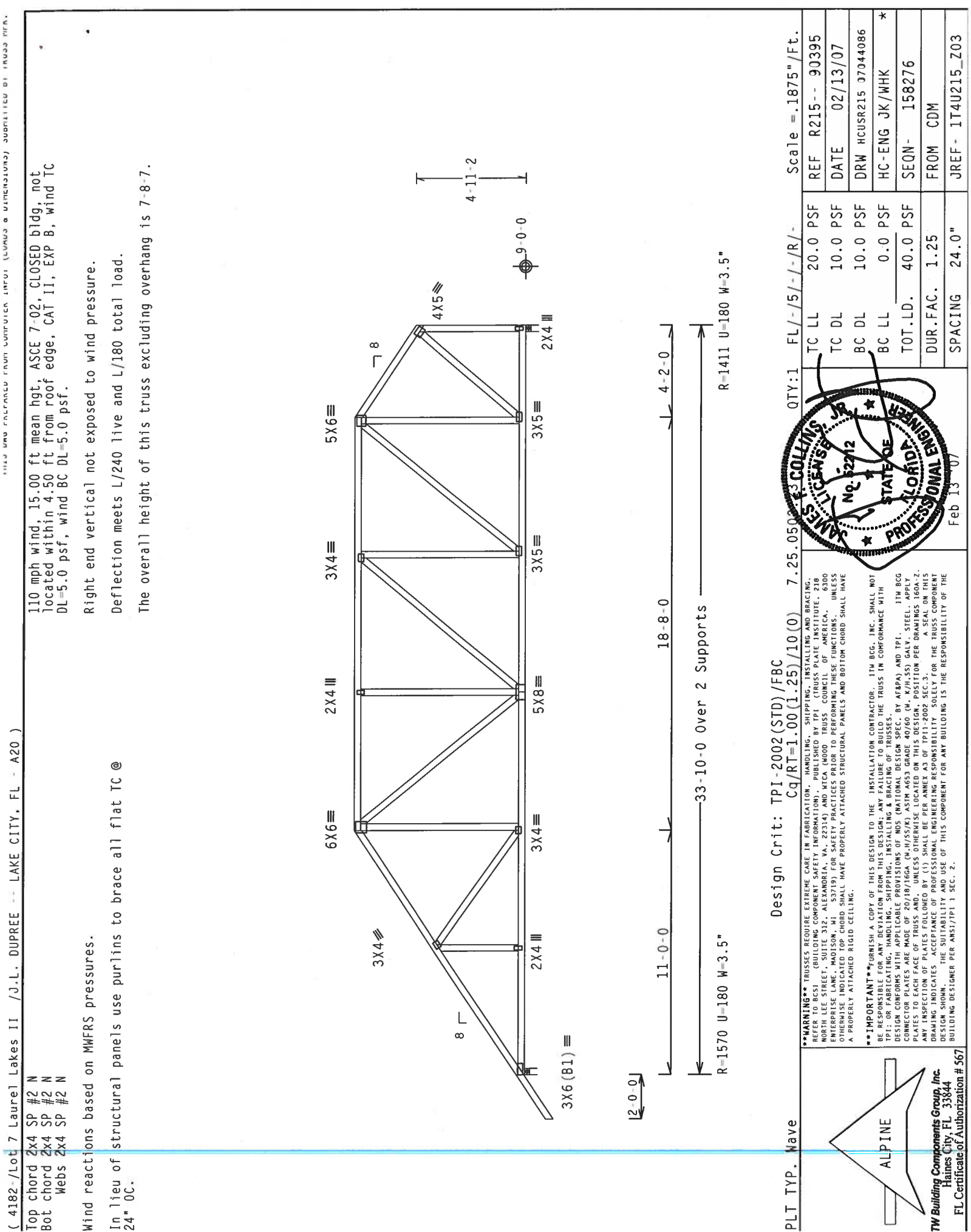
[illegible]

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--	90394
DATE	02/13/07	
DRW	HCUSR215	07044087
HC-ENG	JK/WHK	
SEQN-	158280	
FROM	CDM	
1855-	1741215	702

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

Haines City, FL 33844
FL Certificate of Authorization # 567



(4182-/Lot 7 Laurel Lakes II /J.L. DUPREE -- LAKE CITY, FL - A20)

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

Wind reactions based on MWFRS pressures.

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

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.

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 7-8-7.

PLT TYP. Wave

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

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

Scale =.1875"/Ft.

REF	R215--	90395
DATE	02/13/07	
DRW	HCUSR215	07044086
HC-ENG	JK/WHK	*
SEQN-	158276	
FROM	CDM	
JREF-	1T4U215_Z03	

Feb 13 '07

ALPINE

TW 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

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

Wind reactions based on MWFRS pressures.

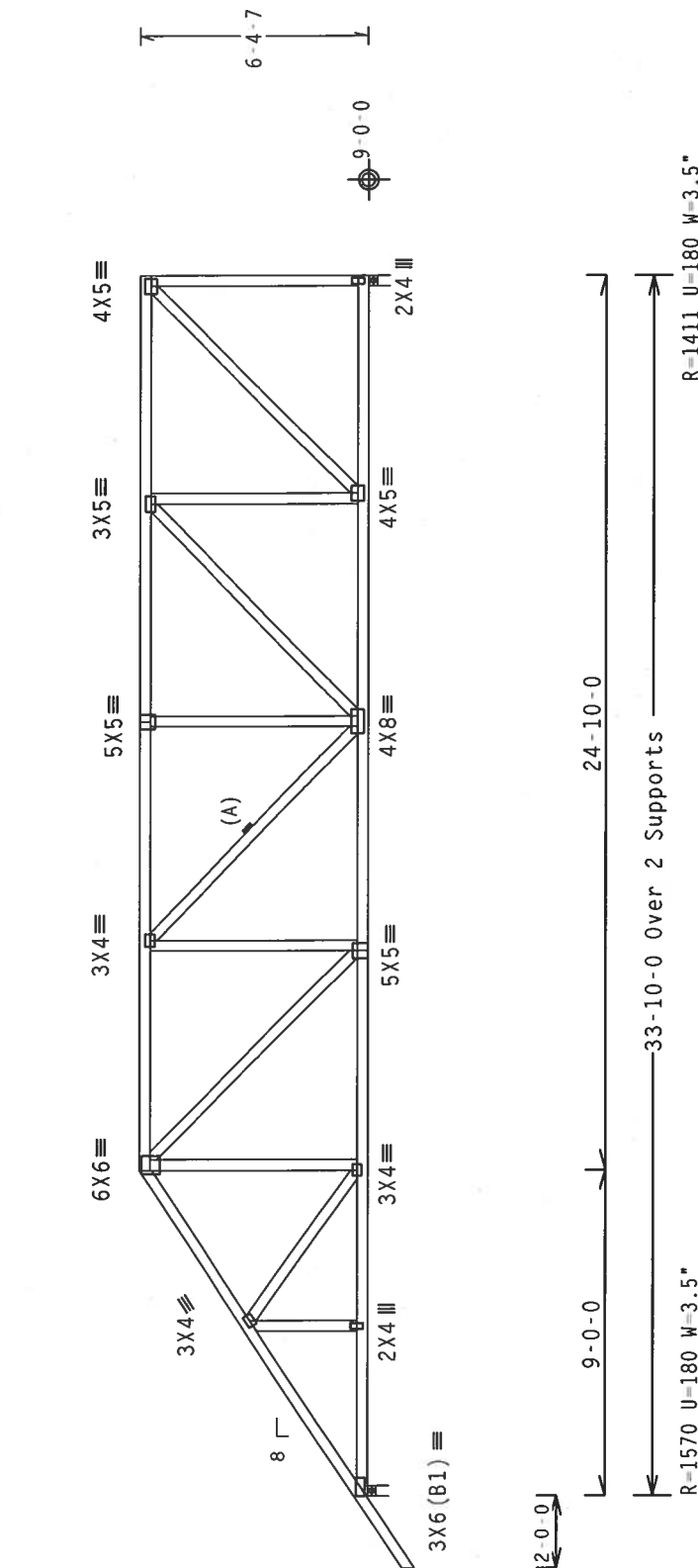
(A) Continuous lateral bracing equally spaced on member.

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

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 6-4-7.

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

Scale = .1875"/Ft.

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

25.0502.23

7.

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

Design: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 104

PLT TYP. Wave

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFLECT TO CESSI BUILDING COMPANY SAFETY. THUSSES ARE AVAILABLE AT THE FOLLOWING DISTRIBUTORS: 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND VICKI MOORE THUSSES, COUNCIL OF THE AMERICAN ENTERPRISE LINE, 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.

REF	R215--	90396
DATE	02/13/07	

TC LL	20.0 PSF
TC DL	10.0 PSF

ACING.
E. 218
6300
UNLESS
LL HAVE

ON. HANDLING. SHIPPING, INSTALLING AND BR
(). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE
AND WICA (WOOD TRUSS COUNCIL OF AMERICA,
ICES PRIOR TO PERFORMING THESE FUNCTIONS.
ACHED STRUCTURAL PANELS AND BOTTOM CHORD SHA

EXTREME CARE IN FABRICATING COMPONENT SAFETY INFORMATION. ALEXANDRIA, VA. 22314) AND (53719) FOR SAFETY PRACTICES SHALL HAVE PROPERLY ATTACHED.

****WARNING** TRUSSES REQUIRE**
REFER TO BCSI (BUILDING CODES
NORTH LEE STREET, SUITE 312.
ENTERPRISE LANE, MADISON, WI
OTHERWISE INDICATED TOP CHORD
A PROPERTY ATTACHED RIGID CEILING

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY KFM) AND TPI. IIM BCG CONNECTOR PLATES ARE MADE OF 2018/176IGA (M/H/55/K) ASTM A653 GRADE 40/60 (M, A7N-55) GALV. STEEL. APPLICABLE PLATING TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. DRAWING 160A-Z 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.

DRW	HCUSR215	07044084
HC-ENG	JK/WHK	
SEQN-	158272	
FROM	CDM	
DEE-	1T4U215	703

BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24 0"

ALL MET
WITH

11W BCG
APPLY
160A-Z.
ON THIS
COMPONENT
OF THE

INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL BE RESPONSIBLE FOR THE FAILURE OF THE TRUSS IN CONFORMANCE WITH THE AISC DESIGN BRACING OF TRUSSES.

ADDITIONAL DESIGN SPEC. BY AF&P) AND TPI.

ITW A653 GRADE 40/60 (W. K/M-SS) GALV. STEEL.

LOCATED ON THIS DESIGN, POSITION PER DRAWINGS.

SEE AISC 360-10, SECTION 10.10.1.1. A SEAL.

ANNEX A3 OF TPI-2002 SEC.3.

THE CONTRACTOR SHALL BE RESPONSIBLE SOLELY FOR THE TRUSS CONNECTION FOR ANY BUILDING IS THE RESPONSIBILITY

COPY OF THIS DESIGN TO THE
FROM THIS DESIGN; ANY
G, SHIPPING, INSTALLING &
PROVISIONS OF NDS (NA
20/18/16GA (W.N/55/K) AS
AND, UNLESS OTHERWISE L
FOLLOWED BY (1) SHALL BE PER
OF PROFESSIONAL ENGINEER
ABILITY AND USE OF THIS COMP
API 1 SEC. 2.

****IMPORTANT****FURNISH A CERTIFICATE OF CONFORMANCE TO THE AIA SPECIFICATIONS FOR THE DESIGN OF BUILDINGS. THE CERTIFICATE MUST BE RESPONSIBLE FOR ANY DESIGN, SPECIFICATION, OR FABRICATING, HANDLING, OR INSTALLATION OF THE PRODUCT. THE DESIGN MUST CONFORM WITH APPLICABLE BUILDING CODES AND STANDARDS. CONNECTOR PLATES ARE MADE OF TRUSS PLATES TO EACH FACE OF TRUSS. ANY INSPECTION OF PLATES FOR DEFECTS OR DAMAGE MUST BE INDICATED IN THE DRAWING. THE DRAWING INDICATES ACCEPTANCE OF THE DESIGN SHOWN. THE SUITABLE BUILDING DESIGNER PER ANSI/ASCE 8-10 SHALL BE RESPONSIBLE FOR THE DESIGN.



ALPINE
TW Building Components Group, Inc.
 Haines City, FL 33844

(4182 - Lot 7 Laurel Lakes II / J.L. DUPREE -- LAKE CITY, FL - A22)

Top chord 2x6 SP #2 N : T1 2x4 SP #2 N :
Bot chord 2x6 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.

Wind reactions based on MWFRS pressures.

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

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

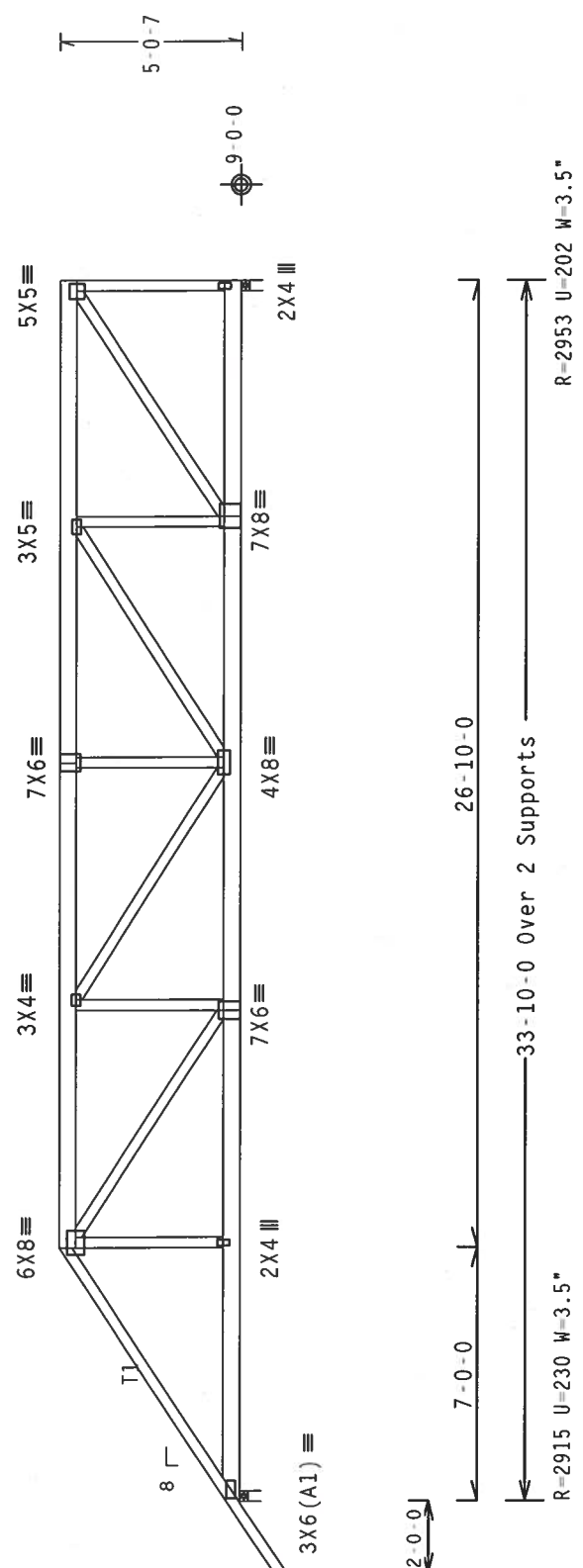
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun 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.

#1 hip supports 7'-0" jacks with no webs.

The overall height of this truss excluding overhang is 5'-0".



Design Crit: TPI-2002 (STD) / FBC

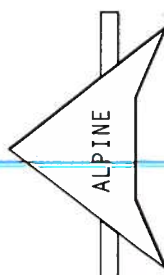
Cq/RT=1.00(1.25)/10(0)

7-25.0502.22

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

Scale = .1875" / Ft.

PLT TYP. Wave	REF R215-- 90397	DATE 02/13/07	DRW HCUSR215 07044083	HC-ENG JK/WHK	SEQN- 158268	FROM CDM	JREF- 1T4U215_Z03
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"	
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 2017B/16GA (W/25/7K) ASTM A653 GRADE 40/60 (W/ K/H/SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES OWNED BY THE USER. UNLESS OTHERWISE INDICATED, THE USER 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.							



FL Certificate of Authorization # 567

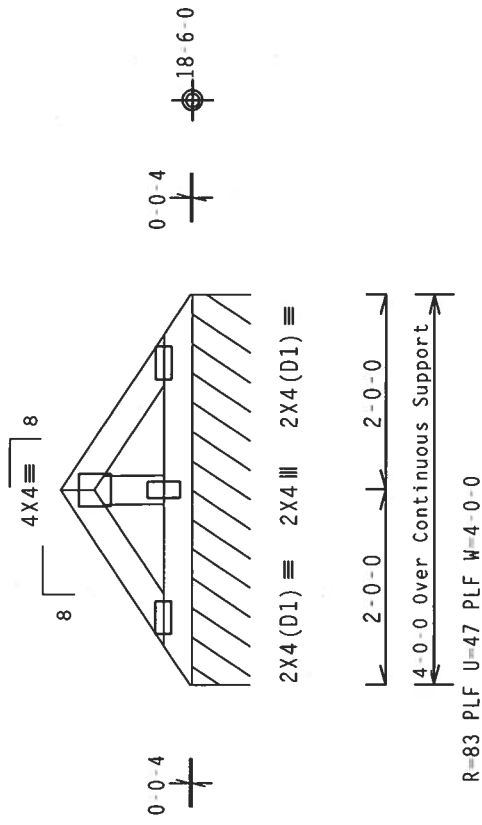
Top chord	2x4	SP	#2	N
Bot chord	2x4	SP	#2	N
webs	2x4	SP	#2	N

110 mph wind, 19.32 ft mean height, 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.

Wind reactions based on MWFRS pressures.

See DWGS AL1030EE1106 & GBLLETIN1106 for more requirements.

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



Design Crit: TPI-2002(STD)/FBC

Scale = .5" / Ft.

	TC LL	20.0 PSF	REF R215 -- 90398
	DC DL	10.0 PSF	DATE 02/13/07
	B _T BL	10.0 PSF	DRW HCUSR215 07044075
	B _C LL	0.0 PSF	HC-ENG JK / WHK
	TOT.LD.	40.0 PSF	SEQN- 158212
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF- 1T4U215_Z03

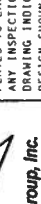
KAY F. COLEMAN
LICENSE NO. 5222
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb _____

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PROVIDE BY TPI. COUNCIL PLATE INSTITUTE, 218 ENTERPRISE LANE, SUITE 314, ALPHARETTA, GA 30204 AND PHONE (404) 940-0000 FOR MORE INFORMATION FROM THE COMPANY OFFICE OR LOCAL REPRESENTATIVE. PERFORM THESE STEPS FIRST! UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONNECTORS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/S/K) 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. ANY INSPECTION OF PLATES FOLLOWED BY (I/I) 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/TPI 1 SEC. 2.



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

TW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 5

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 1-8-7.

110 mph wind, 19.20 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.

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

Scale = .5" / Ft.

QTY: 3

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

REF R215 - - 90399

DATE 02/13/07

DRW HCUSR215 07044085

HC-ENG JK / WHK

SEQN- 158215

FROM CDM

JREF- 1T4U215_Z03

PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

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

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

7.25.0502

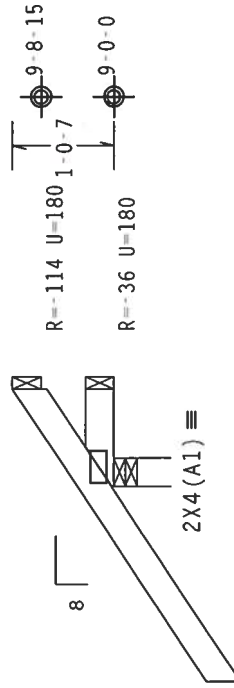
7.25.0502

7.25.0502

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CL0SED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



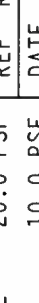


 $2-0-0$

 $1-0-0$ Over 3 Supports

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

Scale = 5"/Ft.



ALPINE

TW 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. (SEE DRAWING COMMENTS FOR SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 100, WEST GOSHOP, VA 22064) AND TPI (TRUSS PLATE INSTITUTE, 6500 ENTERPRISE LANE, MADISON, NJ 07719) 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 THE DESIGN OR FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING DURING THE INSTALLATION OF THE TRUSS. DESIGNER PROVIDES NO WARRANTY OR GUARANTEE OF ANY KIND FOR THE TRUSS OR FOR THE BUILDING. THE TRUSS AND CONNECTOR PLATES ARE MADE OF 20A17/16GA (W/ALSSAY) ASTM A653 GRADE 40/60 (4' X 1/4" 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 ANEKS 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.



REF	R215--	90400	TC LL	20.0	PSF
DATE	02/13/07		TC DL	10.0	PSF
DRW	HCUSR215	07044077	BC DL	10.0	PSF
	HC-ENG RA/WHK		BC LL	0.0	PSF
SEQN-	158356		TOT.LD.	40.0	PSF
FROM	CDM		DUR.FAC.	1.25	
JREF-	1T4U215_003		SPACING	24.0"	

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

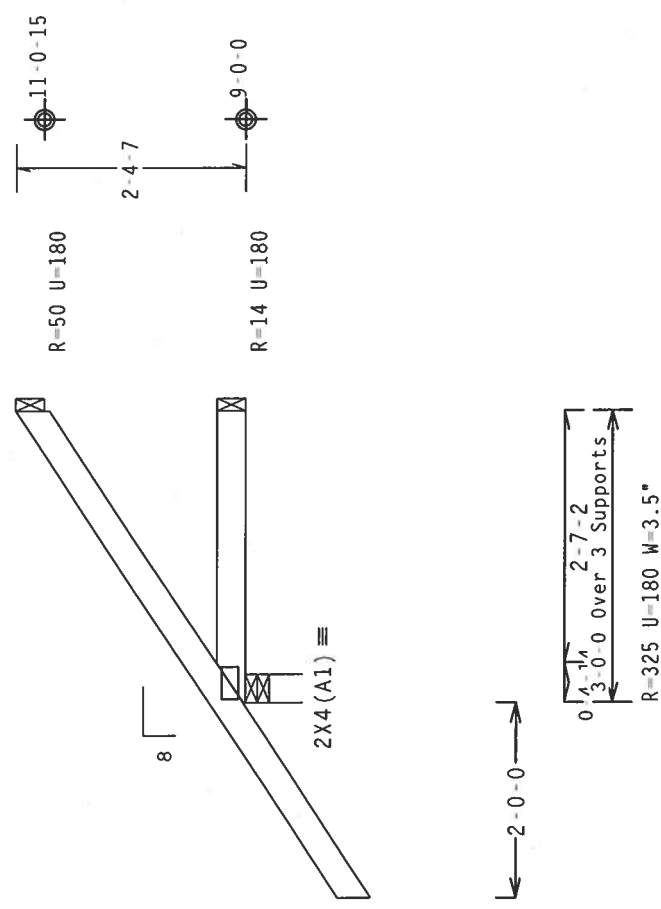
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

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.

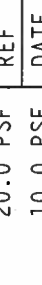
...pressures.

The overall height of this truss excluding overhang is 2-4-7.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Design Crit: $\text{TPI} - 2002(\text{STD}) / \text{FBC}$

Scale = .5"/Ft.



ALPINE

TW 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 BEST (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATFORM INSTITUTE, 238 STATE STREET, SUITE 300, ALBANY, NY 12243-4949) AND THE AMERICAN TRUSS SOCIETY OF AMERICA, 6300 ENTERPRISE BLVD., WILSON, NC 27157-1000) FOR THE LATEST RECOMMENDATIONS FOR PROPER TRUSS USE. 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 OF 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 (W/H/VSS/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 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.



REF	R215 --	90401	TC LL	20.0 PSF	PSF
DATE	02/13/07		TC DL	10.0 PSF	
DRW	HCSR215	07044076	BC DL	10.0 PSF	
	HC-ENG RA/WHK	*	BC LL	0.0 PSF	
	SEQN-	158358	TOT.LD.	40.0 PSF	
	FROM	CDM	DUR.FAC.	1.25	
	JREF-	1T4U215_Z03	SPACING	24.0"	

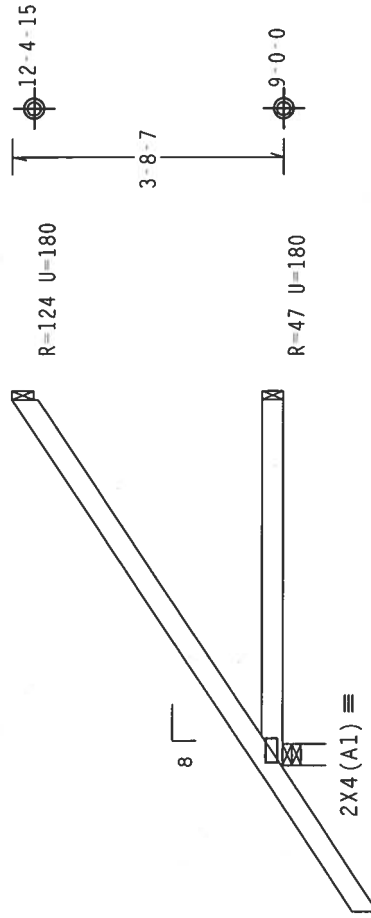
TW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

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

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



700-

4-7-2

5-0-0 Over 3 Supports

Design Crit: TPI-2002(STD)/FBC

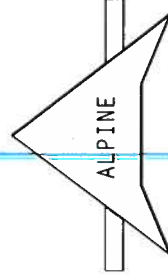
 $C_d/RT=1.00(1.25)/10(0)$

0502

QTY: 8 EL 1-151-1-1R1-

Scale = 375"/Ft

TC LL	20.0	PSF	REF	R215--	90402
TC DL	10.0	PSF	DATE	02/13/07	
BC DL	10.0	PSF	DRW	HCUSR215	07044106
BC LL	0.0	PSF	HC-ENG	RA/WHK	*
TOT.LD.	40.0	PSF	SEQN-	158360	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T4U215_Z03	

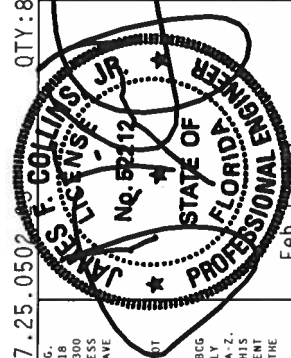


ITW Building Components Group, Inc.
Haines City, FL 33844

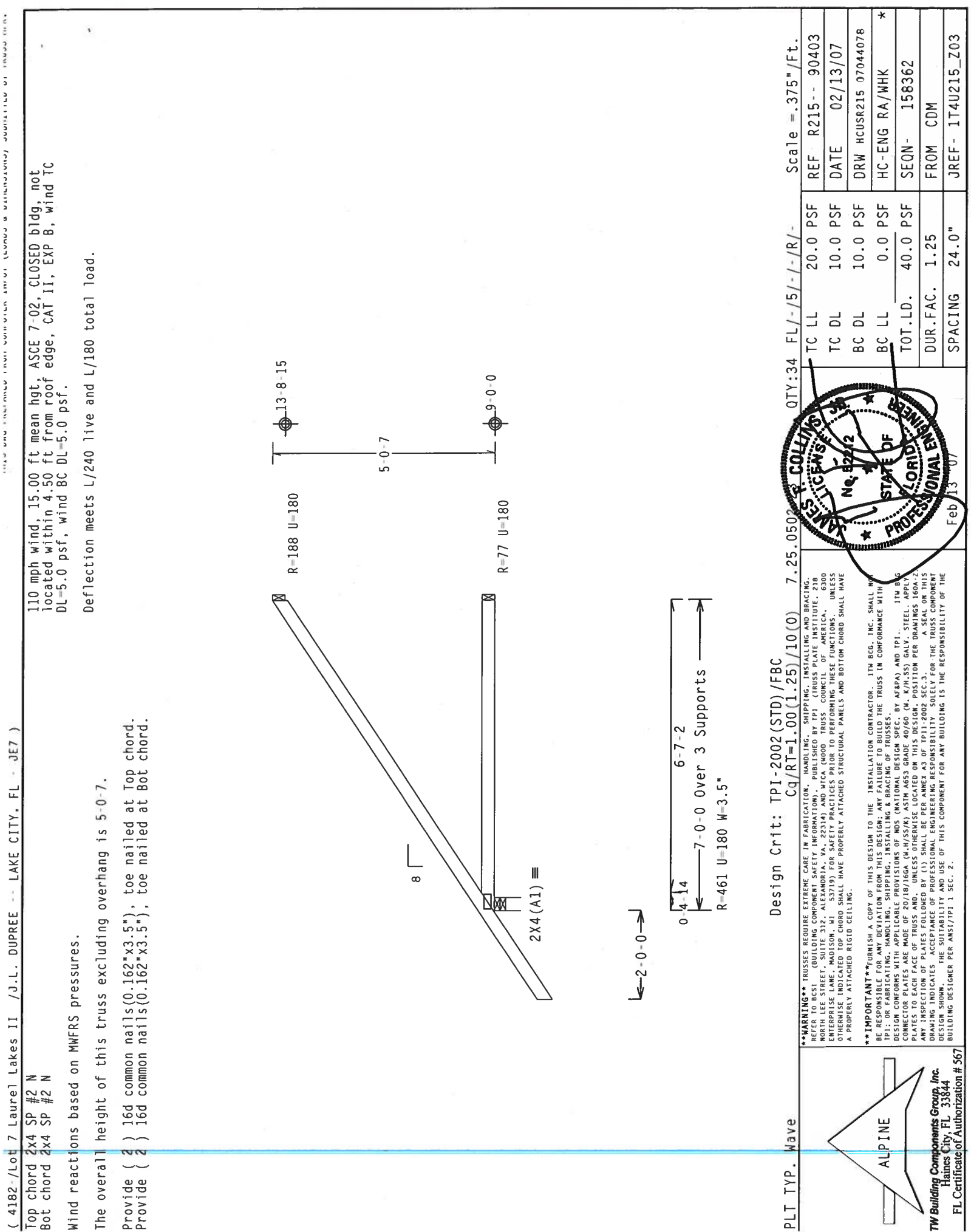
FL Certificate of Authorization # 567

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENTS INSTRUCTIONS FOR MORE INFORMATION. TRUSSES ARE AVAILABLE FROM THE FOLLOWING SOURCES: BASS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314; HICKMAN TRUSSES, 10001 WEST 10TH AVENUE, DENVER, CO 80231; NORTHERN LEE STREET, SUITE 312, ALEXANDRIA, VA 22314; FOR SAFETY PRECAUTIONS PRIOR TO CONSTRUCTING 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 DERIVATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE DESIGN SPEC. BY AT&P/A AND TP1. THE BCG TRUSS CONNECTOR PLATES ARE MADE OF 7018/16GALN ALUMINUM AS PER ASTM A934. STEEL PLATE DRINKINGS 16GA-2 PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 16GA-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING 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.



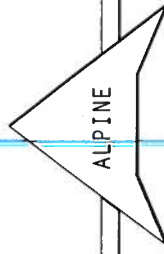
3



THIS DRAWING IS NOT VALID FOR THE PURPOSE OF CONSTRUCTION OF THE BUILDING

(4182- /Lot 7 Laurel Lakes II /J.L. DUPREE -- LAKE CITY, FL - JE7)

PLT TYP. Wave



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

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

7.25.0502

QTY: 34

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

Scale = .375"/Ft.

REF	R215--	90403
DATE	02/13/07	
DRW	HCUSR215	07044078
HC-ENG	RA/MHK	*
SEON-	158362	
FROM	CDM	
JREF-	1T4U215_Z03	

****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 MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 (M-H/SS) 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. THIS TRUSS SHALL BE CONSIDERED A PERMANENT STRUCTURE. THE DESIGNER SHALL BE RESPONSIBLE FOR THE A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

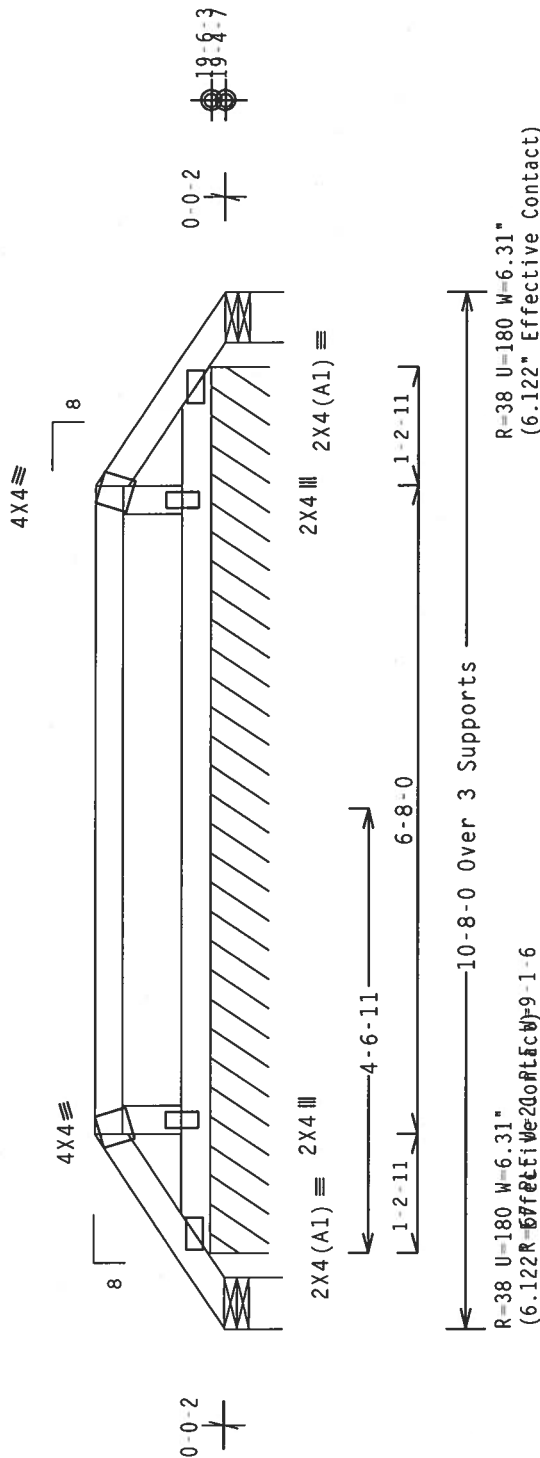
KARLES T. COLLINS
No. 82712
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 13 07

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

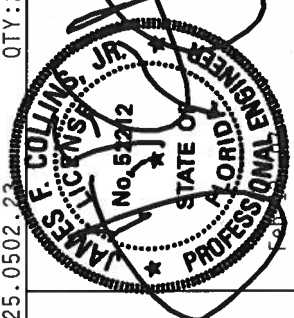
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.
REFER TO DRAWING PIGBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE
BRACED @ 24" O.C.

110 mph wind, 20.04 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=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to
brace all flat TC @ 24" OC, all BC @ 24" OC.
The overall height of this truss excluding overhang is 1-4-0.

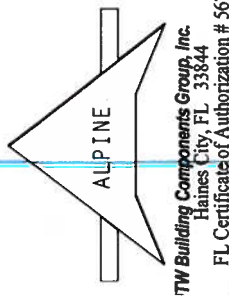


PLT TYP. Wave	QTY:2	FL/-5/-1-/R/-	Scale =.5"/Ft.
REF R215-- 90405	TC LL	20.0 PSF	
DATE 02/13/07	IC DL	10.0 PSF	
DRW HCUSR215 07044089	BC DL	2.0 PSF	
HC-ENG JK/WHK	BC LL	0.0 PSF	
SEON- 158224	TOT.LD.	32.0 PSF	
FROM CDM	DUR.FAC.	1.25	
JREF- 1T4U215_Z03	SPACING	24.0"	

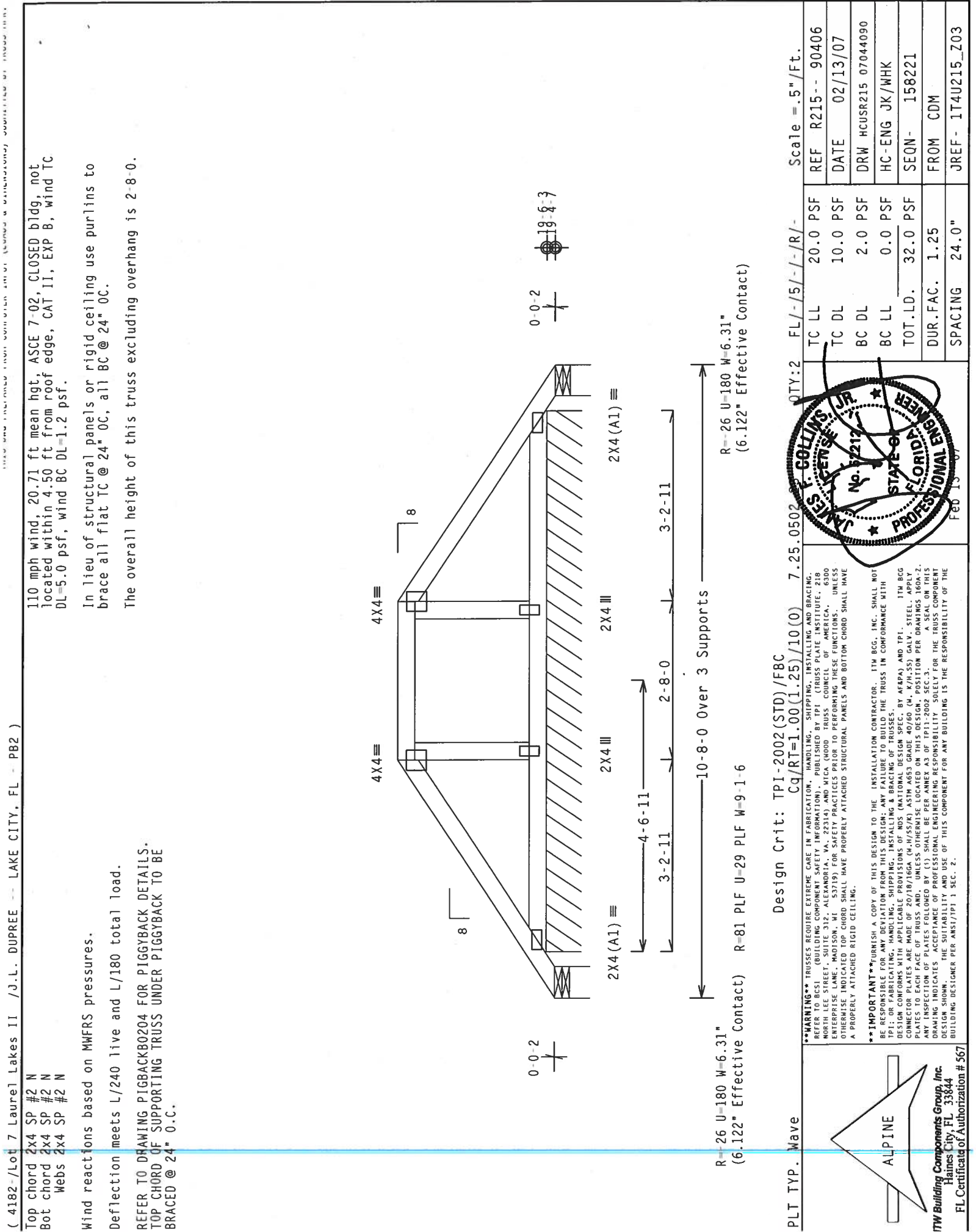


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, 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 CONNECTION PLATES ARE MADE OF 2018T76GA CH/SS/KE, ASTM A653 GRADE 40/60 (4" X 1/4" SS) GALV. STEEL. APPLY 2" MIN. OVERLAP FOR ALL JOINTS. ALL TRUSSES SHALL BE PERMANENTLY IDENTIFIED BY THE MANUFACTURER. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PERMANENT. TPI SHALL BE PERMANENTLY IDENTIFIED BY THE MANUFACTURER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



(4182 -/Lot 7 Laurel Lakes II /J.L. DUPREE -- LAKE CITY, FL - PB2)

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.

REFER TO DRAWING PIGBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE
BRACED @ 24" O.C.

110 mph wind, 20.71 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=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to
brace all flat TC @ 24" OC, all BC @ 24" OC.

The overall height of this truss excluding overhang is 2-8-0.

R=26 U=180 W=6.31"
(6.122" Effective Contact)

R=81 PLF U=29 PLF W=9-1-6
(6.122" Effective Contact)

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

PLT TYP. Wave

Scale = .5"/Ft.

REF R215-- 90406
DATE 02/13/07
DRW HCUSR215 0704090
HC-ENG JK/WHK
SEON- 158221
FROM CDM
JREF- 1T4U215_Z03

QTY: 2 FL/-/5/-/-/R/-

TC LL 20.0 PSF
TC DL 10.0 PSF
BC DL 2.0 PSF
BC LL 0.0 PSF
TOT.LD. 32.0 PSF
DUR.FAC. 1.25
SPACING 24.0"

110 mph wind, 20.71 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=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to
brace all flat TC @ 24" OC, all BC @ 24" OC.

The overall height of this truss excluding overhang is 2-8-0.

R=26 U=180 W=6.31"
(6.122" Effective Contact)

R=81 PLF U=29 PLF W=9-1-6
(6.122" Effective Contact)

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

PLT TYP. Wave

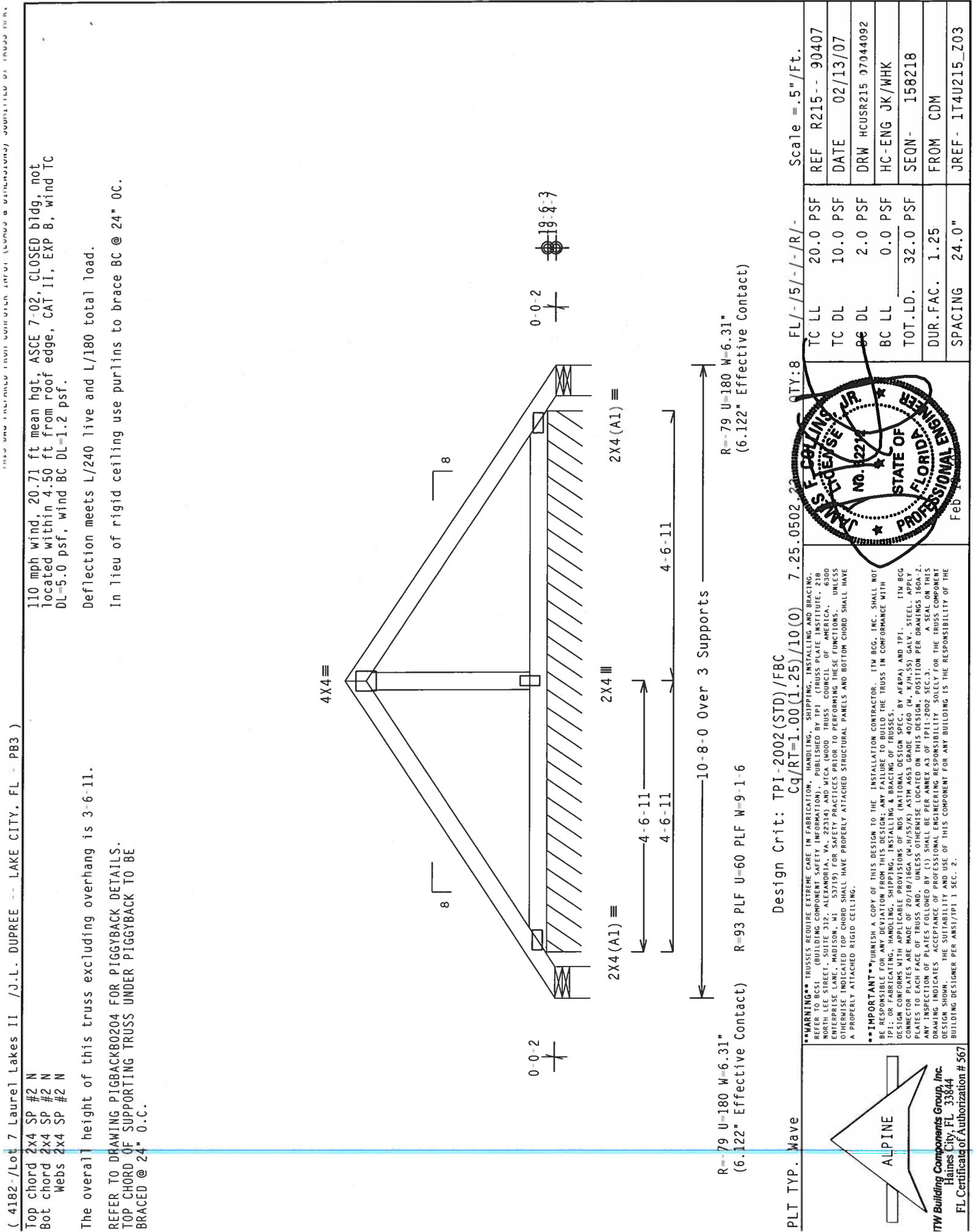
Scale = .5"/Ft.

REF R215-- 90406
DATE 02/13/07
DRW HCUSR215 0704090
HC-ENG JK/WHK
SEON- 158221
FROM CDM
JREF- 1T4U215_Z03

QTY: 2 FL/-/5/-/-/R/-

TC LL 20.0 PSF
TC DL 10.0 PSF
BC DL 2.0 PSF
BC LL 0.0 PSF
TOT.LD. 32.0 PSF
DUR.FAC. 1.25
SPACING 24.0"

110 mph wind, 20.71 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=1.2 psf.



(4182-/Lot 7 Laurel Lakes II /J.L. DUPREE -- LAKE CITY, FL - PB3)

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

The overall height of this truss excluding overhang is 3'-6-11".

REFER TO DRAWING PIGBACK80204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE
BRACED @ 24" O.C.

110 mph wind, 20.71 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=1.2 psf.

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

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

R=79 U=180 W=6.31"
(6.122" Effective Contact)

R=93 PLF U=60 PLF W=9-1-6
(6.122" Effective Contact)

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25-0502.22

PLT TYP. Wave

Scale = .5"/Ft.

REF R215-- 90407

DATE 02/13/07

DRW HCUSR215 07044092

HC-ENG JK/WHK

SEON- 158218

FROM CDM

JREF- 1T4U215_Z03

FL Certificate of Authorization # 567

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

ALPINE

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

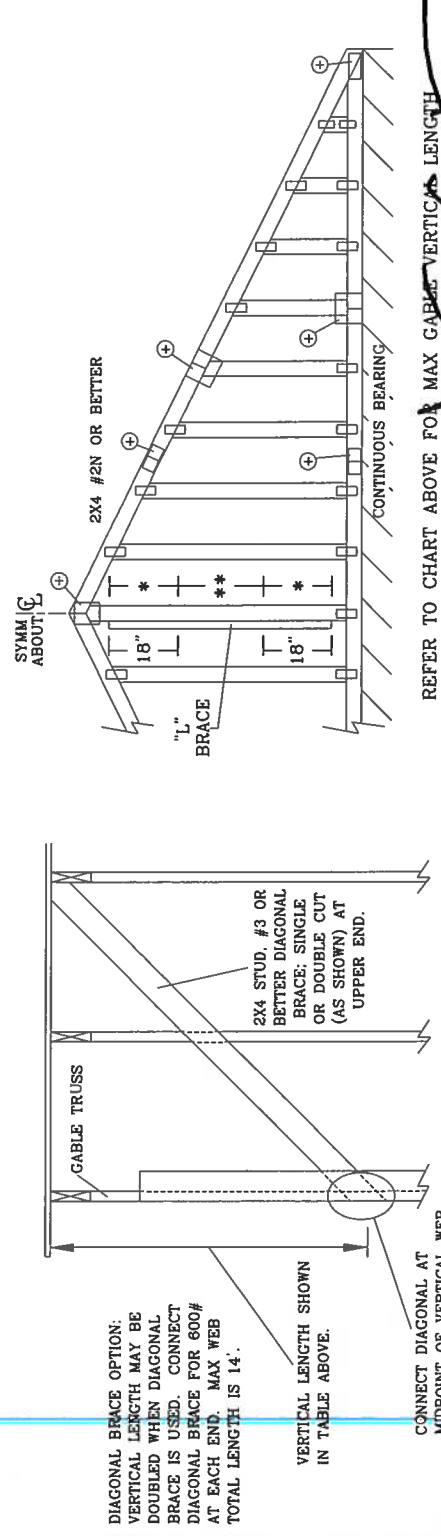
FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

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



ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS COMPANY, INC., 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304, AND VITA 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BRACE OR INSTALL TRUSSES IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SS/43) ASTM A553 GRADE 40/60 (W/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 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.

JAMES F. COLLINS, JR.
No. 52222
STATE OF FLORIDA
PROFESSIONAL ENGINEER
exp. 3/10/23

REF ASCE7-02-CABI1015
DATE 11/1/06
DRWG A11015EE1106
-ENG

TOT. LD. 60 PSF
MAX. SPACING 24.0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STANDARD	#2 STUD
#3 STUD	STANDARD

DOUGLAS FIR-LARCH

#3 STUD	STANDARD
#3 STUD	STANDARD

SOUTHERN PINE

#3 STUD	STANDARD
#3 STUD	STANDARD

GROUP B:

HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR	#1
#1	#2

SOUTHERN PINE

#1	#2
#1	#2

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. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

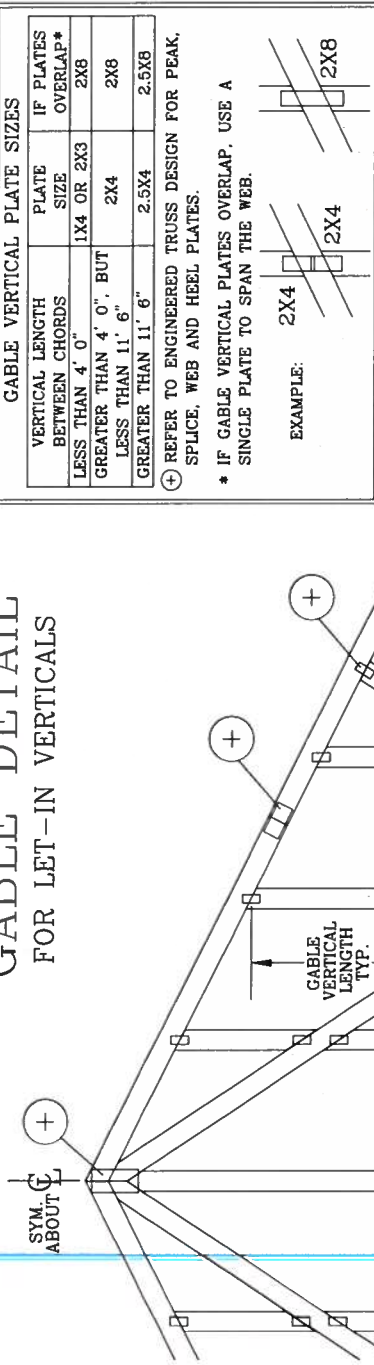
"L" BRACING MUST BE A MINIMUM OF 90% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
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, SPLICE, AND HEEL PLATES.

GABLE DETAIL FOR LET-IN VERTICALS



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"

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
A10015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A10030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08015EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08030EC1103

ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08015EE0405, A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08030EE0405

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING. REFER TO THE ALPINE TRUSS DESIGN MANUAL FOR COMPLETE INSTRUCTIONS. IF YOU ARE NOT A LICENSED PROFESSIONAL ENGINEER, DO NOT ATTEMPT TO BUILD OR INSTALL THESE TRUSSES. IF YOU ARE A LICENSED PROFESSIONAL ENGINEER, YOU MUST FOLLOW THE INSTRUCTIONS AND SPECIFICATIONS OF THE ALPINE TRUSS DESIGN MANUAL. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN TRUSS FAILURE, PERSONAL INJURY, OR DEATH. THE USER OF THESE TRUSSES SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, INSTALLATION, AND USE. THE USER SHALL BE PERMITTED TO MODIFY THE TRUSS DESIGN ONLY IF THE MODIFICATION DOES NOT AFFECT THE TRUSS STABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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&P) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/766A (A/SS/K) ASTM A653 GRADE 50 GALV. APPLIED TO EACH ACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, ALL OTHER WISE LOCATED ON THIS DESIGN. POSITIONING PER FIGURE 2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

REF LET-IN VERT

DATE 11/1/06

DRWG GBLLETIN1106

-ENG DLJ/KAR

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"

JAMES E. COLLINS, JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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:

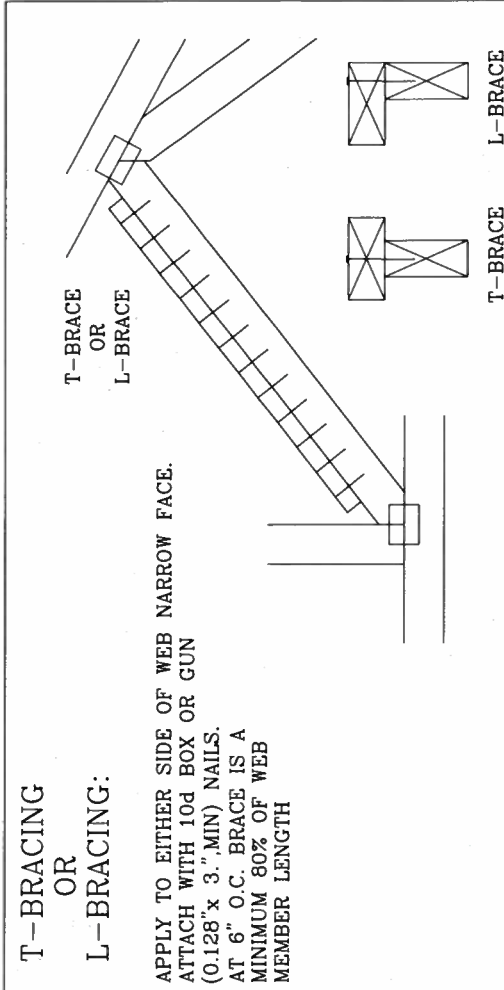
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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(*)

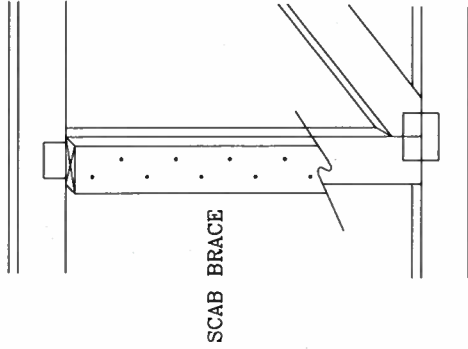
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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



SCAB BRACING:

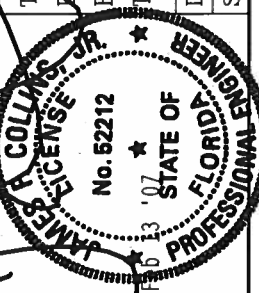
APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128"x 3".MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



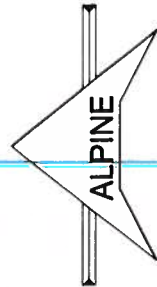
THIS DRAWING REPLACES DRAWING 579.640

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE FOLLOWING FOR ADDITIONAL INFORMATION: ALPINE ENGINEERED PRODUCTS, INC., 6900 ENTERPRISE LN., MADISON, VI 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. ALPINE ENGINEERED PRODUCTS, 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 OTHER APPLICABLE STANDARDS. ALPINE ENGINEERED PRODUCTS, INC., SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. 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.



PSF	REF	CLB SUBST.
PSF	DATE	11/1/06
PSF	DRWG	BRLBSUB1106
PSF	-ENG	MLH/KAR
PSF	TOT. LD.	
PSF	DUR. FAC.	
PSF	SPACING	



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

WE/INSTANTANEOUSLY FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BRACE THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BUILDING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASCE) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA C/W/55% K2 ASTM A553 GRADE 40/60 C/W/45% GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND/OR OTHER MEMBER AS INDICATED PER THIS DESIGN. DESIGN PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY REJECTION OF THIS DESIGN, DESIGNER ASSUMES RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN. SHOWN THE 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.

A circular professional engineer seal for the State of Florida. The outer ring contains the text "JAMES A. COLLINS, JR." on the left and "PROFESSIONAL ENGINEER" on the right. The inner ring contains "STATE OF FLORIDA". In the center, it says "LICENSE NO. 52912" and "EXPIRATION DATE 12/31/83". There are stars separating the sections.

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STUD	#2	STUD
#3	STANDARD	#3	STANDARD
DOUGLAS FIR-LARCH		SOUTHERN PINE	
#3	STUD	#3	STUD
	STANDARD		STANDARD

GROUP B:

HEM-FIR		DOUGLAS FIR-LARCH	
#1 & BTR	#1	#1	#1
		#2	#2
SOUTHERN PINE			
#1			

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 100 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.

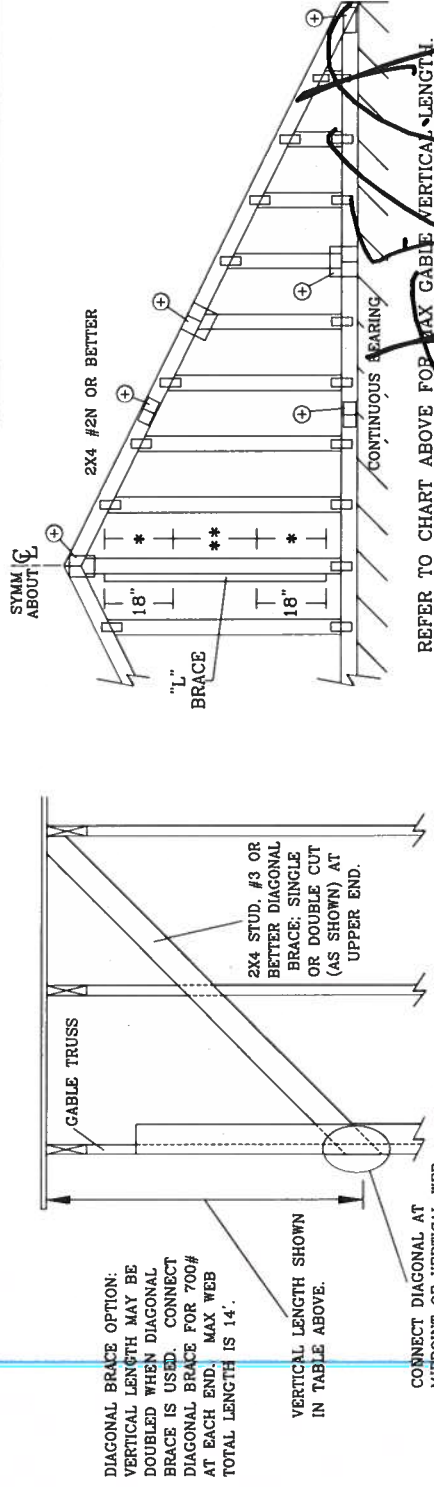
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C.

IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
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, SPLICE, AND HEEL PLATES.

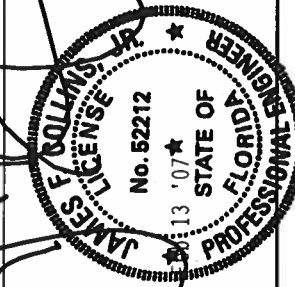


WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND LATE BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY TPI TRUSS COMPANY, INC., 218 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22314 AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, VI 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. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THIS DESIGN OR ANY OTHER BUILDING CODES, ORDINANCES, SPECIFICATIONS, OR ANY OTHER REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE USER. THIS DESIGN IS BASED ON THE ASSUMPTIONS AND CONDITIONS SET FORTH IN THE DESIGN. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION PROVIDED AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

REF	ASCE7-02-GABI1030
DATE	11/1/06
DRWG	A11030EE1106
-ENG	

MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"



ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

