

DATE 09/14/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024975

APPLICANT J.L. DUPREE SR. PHONE 386.754.5678
ADDRESS POB 2681 LAKE CITY FL 32056
OWNER DENNIS & TAMMY MORSE PHONE 386.752.2497
ADDRESS 259 SW MELON COURT LAKE CITY FL 32024
CONTRACTOR J.L. DUPREE, JR. PHONE 386.754.5678
LOCATION OF PROPERTY 90-W TO SR 247-S, TL TO CR-242, TL TO MELON COURT, TL AND IT'S THE 4TH HOME ON R.

TYPE DEVELOPMENT MOTHER-IN-LAW SUITE ESTIMATED COST OF CONSTRUCTION 38500.00
HEATED FLOOR AREA 770.00 TOTAL AREA 818.00 HEIGHT 15.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 4'12 FLOOR CONC
LAND USE & ZONING RVLD MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 21-4S-16-03084-014 SUBDIVISION SADDLE RIDGE
LOT 14 BLOCK PHASE UNIT TOTAL ACRES 0.92

Culvert Permit No. Culvert Waiver Contractor's License Number CGC060631 Applicant/Owner/Contractor
EXISTING 06-0784-N BLK JTH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ACCESSORY USE:MOTHER-IN-LAW SUITE, NO KITCHEN - SAME POWER AS EXISTING
HOUSE. LEGAL NON-CONFORMING . LOT OF RECORD. 1 FOOT ABOVE ROAD.

Check # or Cash 12383

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 \$ 195.00 CERTIFICATION FEE \$ 4.09 SURCHARGE FEE \$ 4.09
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 \$ TOTAL FEE 278.18
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 INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0609-16 Date Received 9/8/06 By GP Permit # 24975
Application Approved by - Zoning Official BLK Date 11.07.06 Plans Examiner OK JHT Date 9-13-06
Flood Zone X Development Permit N/A Zoning RR Land Use Plan Map Category Res. U.L. Dev.
Comments Accessing Use Mother in-law suit No Kitchen Same power as existing house
Legal Non-Conforming lot of record Shared well

Applicants Name Lamar Dupree Phone 386-754-5678
Address P.O. Box 2861 Lake City, Fla. 32056 259 SW Melon
Owners Name Dennis Morse and Tammy Morse Phone 752-2497
911 Address 259 SW Melon Court Lake City, Fla. 32056 32024
Contractors Name Joseph L. Dupree, Jr. Phone 754-5678
Address P.O. Box 2861 Lake City, FL 32056
Fee Simple Owner Name & Address Dennis and Tammy Morse 211 SW Melon Court Lake City, FL 32024
Bonding Co. Name & Address _____
Architect/Engineer Name & Address GTC Design Group 130 West Howard Street Live Oak, Fla. 32064
Mortgage Lenders Name & Address Columbia County Bank 4785 W US 90 Lake City, FL 32055
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 21-4s-16-03084-014 Estimated Cost of Construction 62,185.00
Subdivision Name Saddle Ridge Lot 14 Block _____ Unit _____ Phase _____
Driving Directions highway 90 west, turn left on county road 247, turn left on county road
242 turn left on Melon Court, Fourth house on right
Type of Construction Frame SFD Mother In-law Number of Existing Dwellings on Property 1
Total Acreage 0.92 Lot Size 40,075 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 32.99 Side 36.66 Side 40.33 Rear 76.98
Total Building Height 15ft Number of Stories 1 Heated Floor Area 770 Roof Pitch 4/12
TOTAL 818

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

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

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

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA



Shannon M Regar
My Commission DD364938
Expires October 21, 2008

Sworn to (or affirmed) and subscribed before me

this 8th day of Sept. 2006

Personally known X or Produced Identification _____

Contractor Signature

Contractors License Number CGC0600631

Competency Card Number _____

NOTARY STAMP/SEAL

Notary Signature

#12383

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 8/18/2006 DATE ISSUED: 8/21/2006

ENHANCED 9-1-1 ADDRESS:

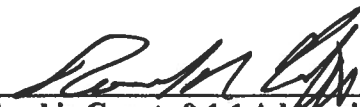
259 SW MELON CT
LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

21-4S-16-03084-014

Remarks:

LOCATED ON LOT 14 SADDLE RIDGE S/D

Address Issued By: 
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

380

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

@ CAM112M01	S	CamaUSA Appraisal System		Columbia County
9/08/2006	9:52	Legal Description Maintenance	28125	Land 001 *
Year T	Property	Sel		AG 000
2006	R 21-4S-16-03084-014		125550	Bldg 001 *
	211 MELON CT SW		11365	Xfea 006 *
HX	MORSE DENNIS L & TAMMY R		165040	TOTAL B*

1	LOT 14, SADDLE RIDGE S/D	ORB 659-183,, 833-1439,,	2
3	837-1699,,		4
5			6
7			8
9			10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 4/11/1997 TERR

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

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF Columbia

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

1. Description of property:
Lot 14, of Saddle Ridge, according to the Plat thereof, as recorded in Plat Book 5, at Page 67, of the Public Records of Columbia County, Florida.
2. Description of Improvements: Construction of Single Family Residence
3. Owner Information:
 - a. Name and Address: Dennis L. Morse, Tammy R. Morse
211 SW Melon Court
Lake City, FLORIDA 32024-4264
 - b. Interest in Property: Fee Simple
 - c. Name and Address of Fee Simple Title Holder (if other than Owner)
4. Contractor Name and Address: J. L. DuPre Construction
PO Box 2861
Lake City, FL 32056
5. Other Contractor(s) Name and Address:
6. Surety: N/A
7. Lender: Columbia Bank
4785 W. US Highway 90
Lake City, FLORIDA 32055
8. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a) 7, Florida Statutes: N/A
9. In addition to himself, Owner designates the following persons to receive a copy of the Lienor's Notice as provided in section 713.13(1)(b), Florida Statutes: N/A
10. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified):

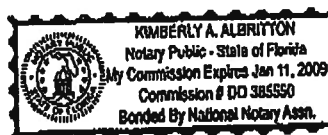
Dennis L. Morse
Dennis L. Morse

Tammy R. Morse
Tammy R. Morse

Sworn to and subscribed before me this 6th day of September

Kimberly A. Albrighton
Notary Public, State of Florida
At Large
My Commission Expires: Jan 11, 2009

Inst: 2006021667 Date: 09/12/2006 Time: 09:05
S. G. DC, P. Dewitt Cason, Columbia County B: 1095 P: 1736



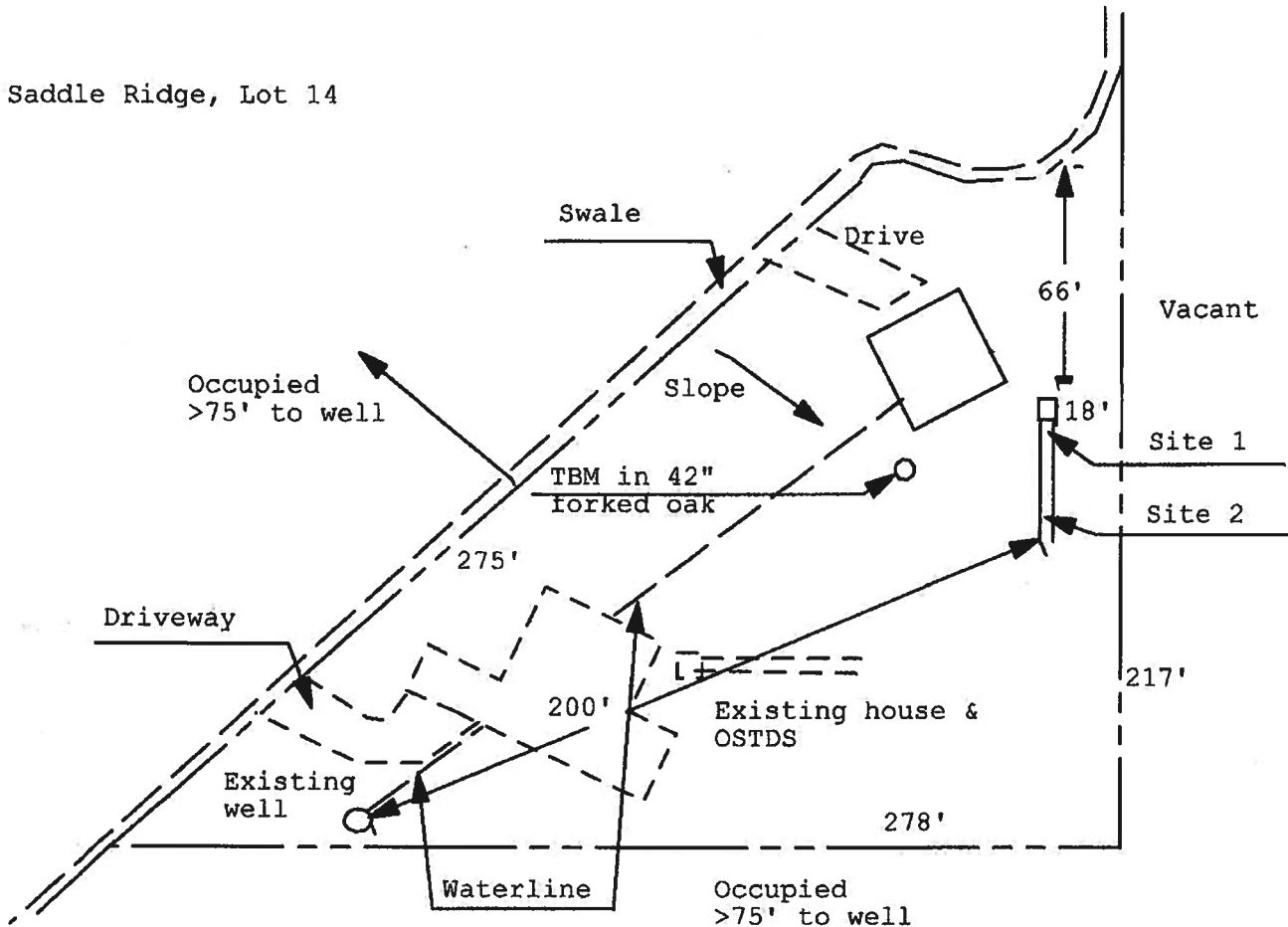
**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0784N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

MORRIS/CR 06-3655



Saddle Ridge, Lot 14



1 inch = 50 feet

Site Plan Submitted By Paul L. Ladd Date 8/22/06
Plan Approved ✓ Not Approved _____ Date _____
By Salhi Laddy ES11 9-4-06 CPHU
Notes: _____

Columbia CHD

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Sky Designs - Dennis & Tammy Morse**
 Address: _____
 City, State: _____
 Owner: _____
 Climate Zone: **North**

Builder: _____
 Permitting Office: *COLUMBIA*
 Permit Number: *24975*
 Jurisdiction Number: *281010*

1. New construction or existing New _____
2. Single family or multi-family Single family _____
3. Number of units, if multi-family 1 _____
4. Number of Bedrooms 1 _____
5. Is this a worst case? No _____
6. Conditioned floor area (ft²) 770 ft² _____
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
 - (or Single or Double DEFAULT) 7a. (Dble Default) 93.0 ft² _____
 - b. SHGC: (Clear) 108.0 ft²
 - (or Clear or Tint DEFAULT) 7b. (Clear) 108.0 ft² _____
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 111.0(p) ft _____
 - b. N/A _____
 - c. N/A _____
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 739.2 ft² _____
 - b. N/A _____
 - c. N/A _____
 - d. N/A _____
 - e. N/A _____
10. Ceiling types
 - a. Under Attic R=30.0, 770.0 ft² _____
 - b. N/A _____
 - c. N/A _____
11. Ducts
 - a. Sup: Unc. Ret: Con. AH: Interior Sup. R=6.0, 45.0 ft _____
 - b. N/A _____

12. Cooling systems
 - a. Central Unit Cap: 18.0 kBtu/hr
SEER: 13.00 _____
 - b. N/A _____
 - c. N/A _____
13. Heating systems
 - a. Electric Heat Pump Cap: 18.0 kBtu/hr
HSPF: 7.70 _____
 - b. N/A _____
 - c. N/A _____
14. Hot water systems
 - a. Electric Resistance Cap: 50.0 gallons
EF: 0.92 _____
 - b. N/A _____
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) _____
15. HVAC credits
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating) _____

Glass/Floor Area: 0.14

Total as-built points: 9579

Total base points: 10961

PASS

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

PREPARED BY: *W. Hopkins*
 DATE: *8/21/06*

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.

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.	

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
1		2635.00	2635.0	50.0	0.92	1		1.00	2635.00	2635.0
				As-Built Total:						2635.0

CODE COMPLIANCE STATUS

BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
3962		4364		2635		10961	2711		4233		2635		9579

PASS

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 6955.6			Winter As-Built Points: 8294.3					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
6955.6	0.6274	4364.0	(sys 1: Electric Heat Pump 18000 btuh ,EFF(7.7) Ducts:Unc(S),Con(R),Int(AH),R6.0 8294.3 1.000 (1.060 x 1.169 x 0.93) 0.443 1.000 4233.0 8294.3 1.00 1.152 0.443 1.000 4233.0					

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	770.0	12.74	1765.8	Double, Clear	E	1.5	6.0	30.0	18.79	1.04	583.8
				Single, Clear	SW	1.5	6.0	15.0	24.09	1.06	383.1
				Double, Clear	N	1.5	4.0	18.0	24.58	1.01	445.0
				Double, Clear	N	1.5	6.0	15.0	24.58	1.00	369.5
				Double, Clear	S	1.5	6.0	30.0	13.30	1.12	445.8
				As-Built Total:				108.0	2227.3		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		739.2	3.40		2513.3	
Exterior	739.2	3.70	2735.0								
Base Total:				739.2				2735.0			
				As-Built Total:				739.2		2513.3	
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated	40.8 8.40 342.7						
Exterior	40.8	8.40	342.7								
Base Total:				40.8				342.7			
				As-Built Total:				40.8		342.7	
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	770.0	2.05	1578.5	Under Attic	30.0		770.0	2.05 X 1.00		1578.5	
Base Total:				770.0				1578.5			
				As-Built Total:				770.0		1578.5	
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	111.0(p)	8.9	987.9	Slab-On-Grade Edge Insulation	0.0		111.0(p)	18.80		2086.8	
Raised	0.0	0.00	0.0								
Base Total:				987.9				111.0		2086.8	
				As-Built Total:				111.0		2086.8	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
770.0 -0.59 -454.3				770.0 -0.59 -454.3							

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 9288.3				Summer As-Built Points: 9152.0						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.08 x 1.147 x 0.91)	X System Multiplier	X Credit Multiplier	=	Cooling Points
9288.3	0.4266		3962.4	(sys 1: Central Unit 18000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS) 9152	1.00		0.263	1.000		2711.1
				9152.0	1.00	1.128	0.263	1.000		2711.1

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE	AS-BUILT																																						
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Type/SC</th> <th colspan="3">Overhang</th> <th rowspan="2">Area X SPM X SOF = Points</th> </tr> <tr> <th>Ormt</th> <th>Len</th> <th>Hgt</th> </tr> </thead> <tbody> <tr> <td>Double, Clear</td> <td>E</td> <td>1.5</td> <td>6.0</td> <td>30.0 42.06 0.91 1151.8</td> </tr> <tr> <td>Single, Clear</td> <td>SW</td> <td>1.5</td> <td>6.0</td> <td>15.0 45.75 0.89 607.4</td> </tr> <tr> <td>Double, Clear</td> <td>N</td> <td>1.5</td> <td>4.0</td> <td>18.0 19.20 0.88 304.6</td> </tr> <tr> <td>Double, Clear</td> <td>N</td> <td>1.5</td> <td>6.0</td> <td>15.0 19.20 0.94 270.3</td> </tr> <tr> <td>Double, Clear</td> <td>S</td> <td>1.5</td> <td>6.0</td> <td>30.0 35.87 0.86 921.2</td> </tr> <tr> <td colspan="4">As-Built Total:</td> <td>108.0 3255.3</td> </tr> </tbody> </table>	Type/SC	Overhang			Area X SPM X SOF = Points	Ormt	Len	Hgt	Double, Clear	E	1.5	6.0	30.0 42.06 0.91 1151.8	Single, Clear	SW	1.5	6.0	15.0 45.75 0.89 607.4	Double, Clear	N	1.5	4.0	18.0 19.20 0.88 304.6	Double, Clear	N	1.5	6.0	15.0 19.20 0.94 270.3	Double, Clear	S	1.5	6.0	30.0 35.87 0.86 921.2	As-Built Total:				108.0 3255.3
Type/SC	Overhang			Area X SPM X SOF = Points																																			
	Ormt	Len	Hgt																																				
Double, Clear	E	1.5	6.0	30.0 42.06 0.91 1151.8																																			
Single, Clear	SW	1.5	6.0	15.0 45.75 0.89 607.4																																			
Double, Clear	N	1.5	4.0	18.0 19.20 0.88 304.6																																			
Double, Clear	N	1.5	6.0	15.0 19.20 0.94 270.3																																			
Double, Clear	S	1.5	6.0	30.0 35.87 0.86 921.2																																			
As-Built Total:				108.0 3255.3																																			
WALL TYPES Area X BSPM = Points	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>R-Value</th> <th>Area X SPM = Points</th> </tr> </thead> <tbody> <tr> <td>Adjacent</td> <td>0.0 0.00 0.0</td> <td></td> </tr> <tr> <td>Exterior</td> <td>739.2 1.70 1256.6</td> <td></td> </tr> <tr> <td colspan="2">Base Total:</td> <td>739.2 1256.6</td> </tr> <tr> <td colspan="2">As-Built Total:</td> <td>739.2 1108.8</td> </tr> </tbody> </table>	Type	R-Value	Area X SPM = Points	Adjacent	0.0 0.00 0.0		Exterior	739.2 1.70 1256.6		Base Total:		739.2 1256.6	As-Built Total:		739.2 1108.8																							
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As-Built Total:																																							

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.8

The higher the score, the more efficient the home.

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 18.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	770 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: 18.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 93.0 ft ²		HSPF: 7.70
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 108.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 111.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.92
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 739.2 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 770.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 45.0 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.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge[®] (Version: FLRCPB v4.21)

BUILDING INPUT SUMMARY REPORT

PROJECT	Title: Sky Designs - Dennis & Tammy		Family Type: Single		Address Type: Street Address			
	Owner: (blank)		New/Existing: New		Lot #: N/A			
	# of Units: 1		Bedrooms: 1		Subdivision: N/A			
	Builder Name: (blank)		Conditioned Area: 770		Platbook: N/A			
	Climate: North		Total Stories: 1		Street: (blank)			
	Permit Office: (blank)		Worst Case: No		County: (blank)			
	Jurisdiction #: (blank)		Rotate Angle: (blank)		City, St, Zip: , ,			
FLOORS	#	Floor Type	R-Val	Area/Perimeter	Units			
	1	Slab-On-Grade Edge Insulation	0.0	111.0(p) ft	1			
DOORS	#	Door Type	Orientation	Area	Units			
	1	Insulated	Exterior	20.4 ft²	2			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	770.0 ft²	770.0 ft²	1		
	Credit Multipliers: None							
COOLING	#	System Type	Efficiency	Capacity				
	1	Central Unit	SEER: 13.00	18.0 kBtu/hr				
	Credit Multipliers: None							
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Frame - Wood	Exterior	13.0	739.2 ft²	1		
	Credit Multipliers: None							
HEATING	#	System Type	Efficiency	Capacity				
	1	Electric Heat Pump	COP: 7.70	18.0 kBtu/hr				
	Credit Multipliers: None							
	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length		
	1	Uncond.	Cond.	Interior	6.0	45.0 ft		
	Credit Multipliers: None							
	#	System Type	EF	Cap.	Conservation Type	Con. EF		
1	Electric Resistance	0.92	50.0	None	0.00			
DUCTS	#	Use Default?	Annual Operating Cost	Electric Rate				
	1	Yes	N/A	N/A				
WATER	#	System Type	EF	Cap.	Conservation Type	Con. EF		
	1	Electric Resistance	0.92	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	Double	Clear	E	15.0 ft²	1.5 ft	6.0 ft	2
	2	Single	Clear	SW	15.0 ft²	1.5 ft	6.0 ft	1
	3	Double	Clear	N	9.0 ft²	1.5 ft	4.0 ft	2
	4	Double	Clear	N	15.0 ft²	1.5 ft	6.0 ft	1
5	Double	Clear	S	15.0 ft²	1.5 ft	6.0 ft	2	
MISC	Rater Name: CodeOnlyPro		Class #: 3		Pool Size: 0			
	Rater Certification #: CodeOnlyPro		Duct Leakage Type: N/A		Pump Size: 0.00 hp			
	Area Under Fluorescent: 0.0		Visible Duct Disconnects: N/A		Dryer Type: Electric			
	Area Under Incandescent: 770.0		Leak Free Duct System Proposed: No		Stove Type: Electric			
	NOTE: Not all Rating info shown		HRV/ERV System Present?: No		Avg Cell Hgt:			

Residential System Sizing Calculation

Summary

Project Title:
Sky Designs - Dennis & Tammy Morse

Code Only
Professional Version
Climate: North

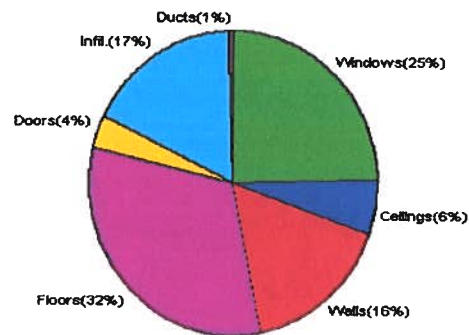
8/21/2006

Location for weather data: Tallahassee - Defaults: Latitude(30) Altitude(55 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (76F) Humidity difference(46gr.)			
Winter design temperature	28 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	42 F	Summer temperature difference	18 F
Total heating load calculation	17060 Btuh	Total cooling load calculation	12218 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	105.5 18000	Sensible (SHR = 0.75)	125.3 13500
Heat Pump + Auxiliary(10.0kW)	305.6 52130	Latent	311.7 4500
		Total (Electric Heat Pump)	147.3 18000

WINTER CALCULATIONS

Winter Heating Load (for 770 sqft)

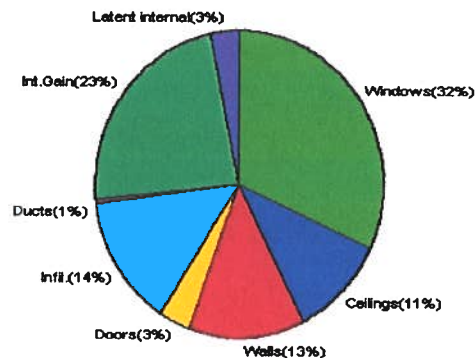
Load component		Load	
Window total	108 sqft	4198	Btuh
Wall total	739 sqft	2756	Btuh
Door total	41 sqft	600	Btuh
Ceiling total	770 sqft	1030	Btuh
Floor total	111 sqft	5501	Btuh
Infiltration	63 cfm	2888	Btuh
Duct loss		87	Btuh
Subtotal		17060	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		17060	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 770 sqft)

Load component		Load	
Window total	108 sqft	3881	Btuh
Wall total	739 sqft	1607	Btuh
Door total	41 sqft	414	Btuh
Ceiling total	770 sqft	1300	Btuh
Floor total		0	Btuh
Infiltration	33 cfm	649	Btuh
Internal gain		2860	Btuh
Duct gain		52	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		10774	Btuh
Latent gain(ducts)		18	Btuh
Latent gain(infiltration)		1026	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		400	Btuh
Total latent gain		1444	Btuh
TOTAL HEAT GAIN		12218	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: N. Ogden

DATE: 8/21/06

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Sky Designs - Dennis & Tammy Morse

Code Only
Professional Version
Climate: North

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Sky Designs - Dennis & Tammy Morse

Code Only
Professional Version
Climate: North

Reference City: Tallahassee (Defaults) Winter Temperature Difference: 42.0 F

8/21/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	E	30.0	36.5	1096 Btuh
2	1, Clear, Metal, 1.27	SW	15.0	53.3	800 Btuh
3	2, Clear, Metal, 0.87	N	18.0	36.5	658 Btuh
4	2, Clear, Metal, 0.87	N	15.0	36.5	548 Btuh
5	2, Clear, Metal, 0.87	S	30.0	36.5	1096 Btuh
Window Total			108(sqft)		4198 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	739	3.7	2756 Btuh
Wall Total			739		2756 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		41	14.7	600 Btuh
Door Total			41		600Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	770	1.3	1030 Btuh
Ceiling Total			770		1030Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	111.0 ft(p)	49.6	5501 Btuh
Floor Total			111		5501 Btuh
Envelope Subtotal:					14085 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.61	6160 739	62.6	2888 Btuh
Ductload	(DLM of 0.005)				87 Btuh
All Zones	Sensible Subtotal All Zones				17060 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	17060 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	17060 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Sky Designs - Dennis & Tammy Morse

Code Only
Professional Version
Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear
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(U - Window U-Factor or 'DEF' for default)
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For Florida residences only

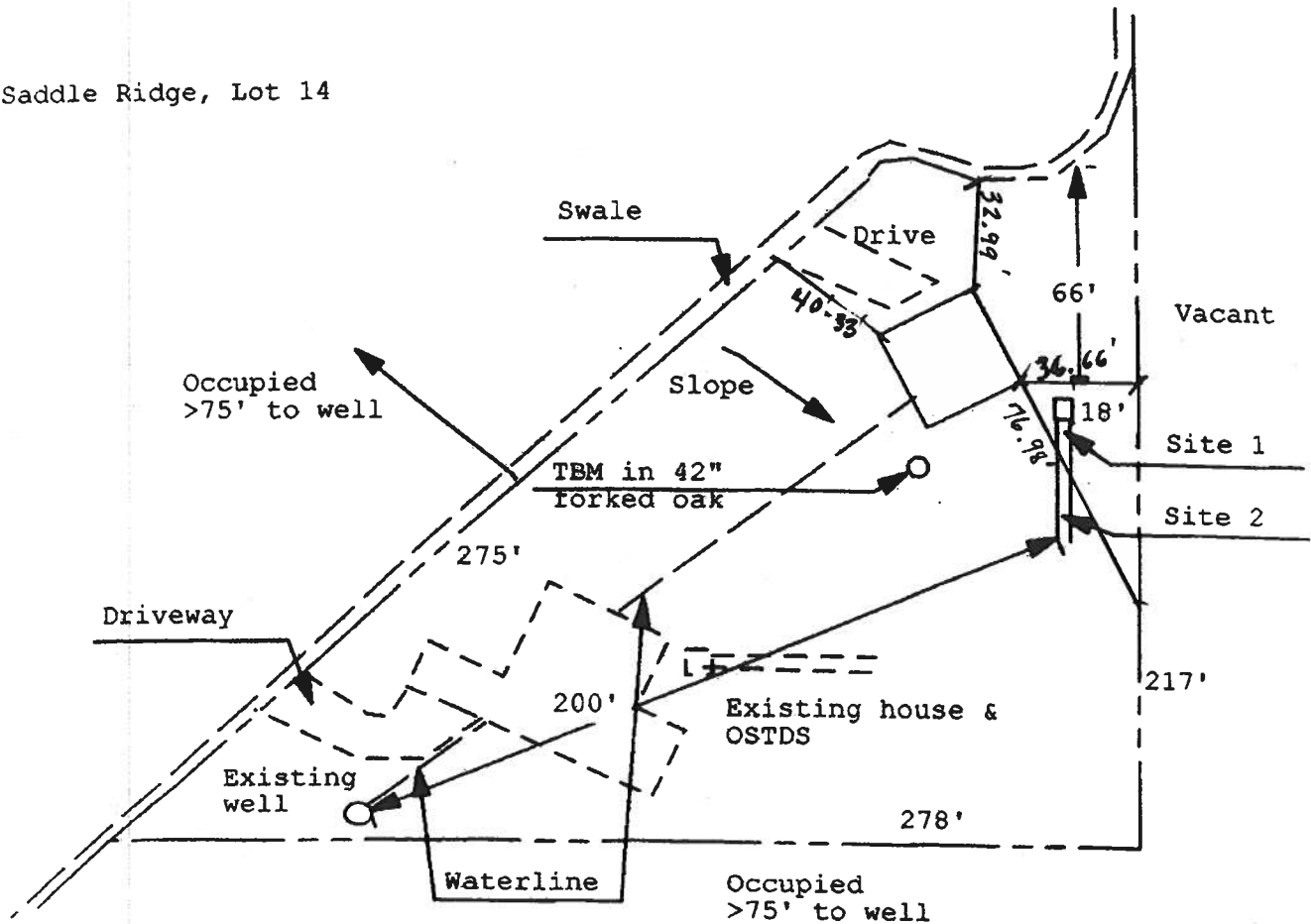
Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan Permit Application Number: _____

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

MORRIS/CR 06-3655



Saddle Ridge, Lot 14

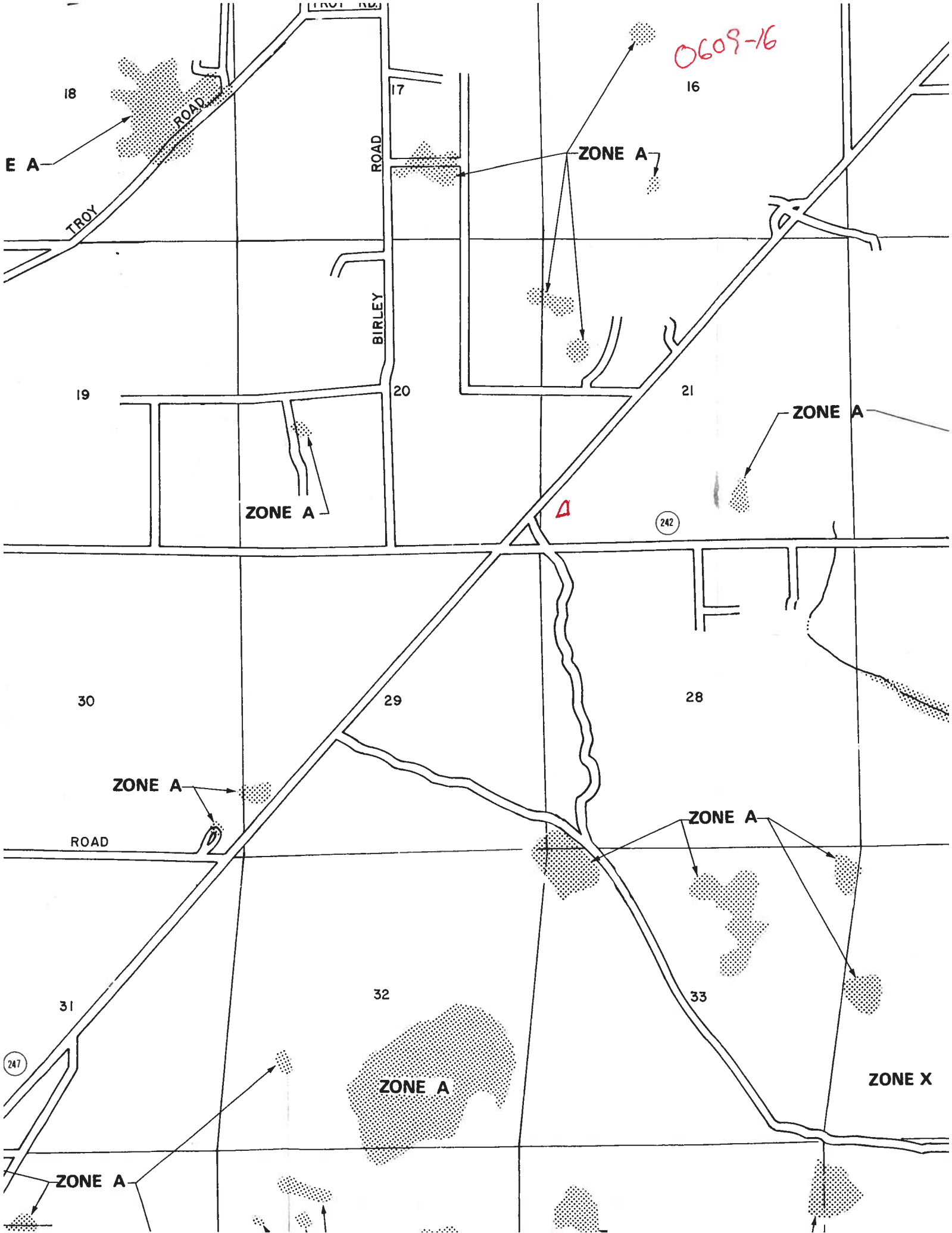


1 inch = 50 feet

Site Plan Submitted By Paul L. [Signature] Date 9/22/06
Plan Approved _____ Not Approved _____ Date _____

By _____ CPHU

Notes: _____





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)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

IN SWING

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: The Ceco Series Single Flush / Embossed Inswing Commercial Steel Doors -Impact

APPROVAL DOCUMENT: Drawing No RD0728, titled "3-0 x 7-0 , Series Regent, Omega, Imperial, Versa door", prepared by manufacturer, sheets 1 through 9 of 9 dated 05/22/02 and latest revised on 10-10-02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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

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

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

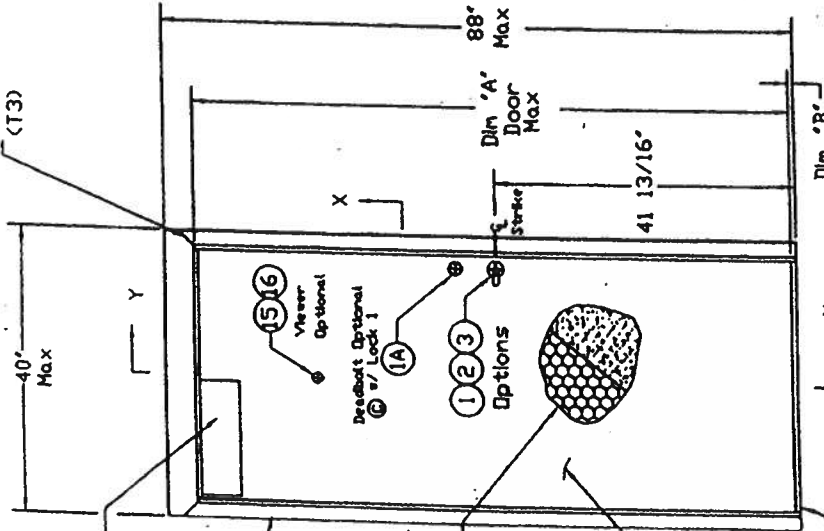
This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No 02-0807.04
Expiration Date: October 31, 2007
Approval Date: October 31, 2002
Page 1

Frame Corners Velded (T3)



12 ga (.093" min) Closer Reinforcement (Optional)

Caulk Frame Perimeter

(4)

(15) (16) View Optional

Deadbolt Optional w/ Lock 1

(1A)

(1) (2) (3) Options

(26) (27)

Honeycomb Dr Urethane Foam Core

*All Dimensions Are Inches.

(20)

Caulk Underneath Threshold

(4)

Flush Design

Dim 'B'

41 13/16"

88" Max

Dim 'A' Door Max

Stroke

X

Y

40" Max

Frame Corners Velded (T3)

Y

40" Max

Frame Corners Velded (T3)

Y

40" Max

Frame Corners Velded (T3)

Y

40" Max

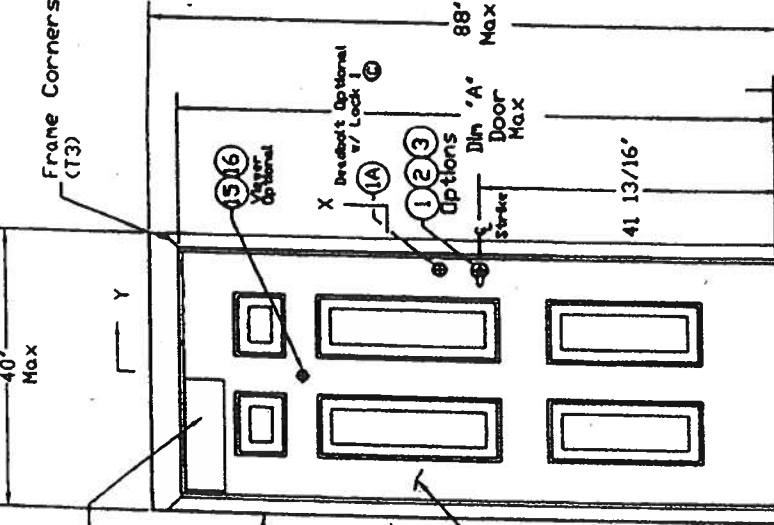
Frame Corners Velded (T3)

Y

40" Max

Frame Corners Velded (T3)

Frame Corners Velded (T3)



12 ga (.093" min) Closer Reinforcement (Optional)

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Y

40" Max

Frame Corners Velded (T3)

Y

40" Max

Frame Corners Velded (T3)

Y

40" Max

Frame Corners Velded (T3)

Y

40" Max

Frame Corners Velded (T3)

	Dim 'A'	Dim 'B'
3/4" Undercut	83 1/8	3/4
3/8" Undercut	83 1/2	3/8

Approved to comply with the Florida Building Code
 Date: October 31, 2002
 By: Michael D. Dwyer
 Division: Building
 Title: Professional Engineer

In-Swing Door (Exterior View)

Design Pressure Rating	Where Water Infiltration Requirement Is Needed	Where Water Infiltration Requirement Is Not Needed
Positive	Not Approved	+70 PSF
Negative	Not Approved	-70 PSF

Notes:

- 1) In-swing Not Approved For Water Infiltration Protection System
- 2) This Door Does Not Need A Hurricane Protection System
- 3) Hinge Spacing Is 33" O.C., 13" From Top Of Frame & 9" From The Bottom.

INTERNAL SPECIFICATIONS:

Finish: Rust Inhibitive Primer

3-0 x 7-0 Series

Regent, Omega, Imperial, & Versadoor In-Swing Elevation Drawing

CECO DOOR PRODUCTS

Milan, Tennessee 38358

Sheet 2	Frame Anchor Installation
Sheet 3	Threshold Installation
Sheet 3	Weatherstrip Installation
Sheet 4	Door Latch Reinforcement
Sheet 5-8	Cross Section View
Sheet 9	Bill Of Material

Revised Per Marked	DATE: 5/22/02
Up Drawings From	LT
Issue	REVISED
Revised Per Marked	DATE: 5/22/02
Up Drawings From	LT
Issue	REVISED

Revised Per Marked	DATE: 5/22/02
Up Drawings From	LT
Issue	REVISED
Revised Per Marked	DATE: 5/22/02
Up Drawings From	LT
Issue	REVISED

Revised Per Marked	DATE: 5/22/02
Up Drawings From	LT
Issue	REVISED
Revised Per Marked	DATE: 5/22/02
Up Drawings From	LT
Issue	REVISED

RD0728
 Sheet 1 of 9

Existing Opening V/Lockbolt or Sleeve Anchor Into Block

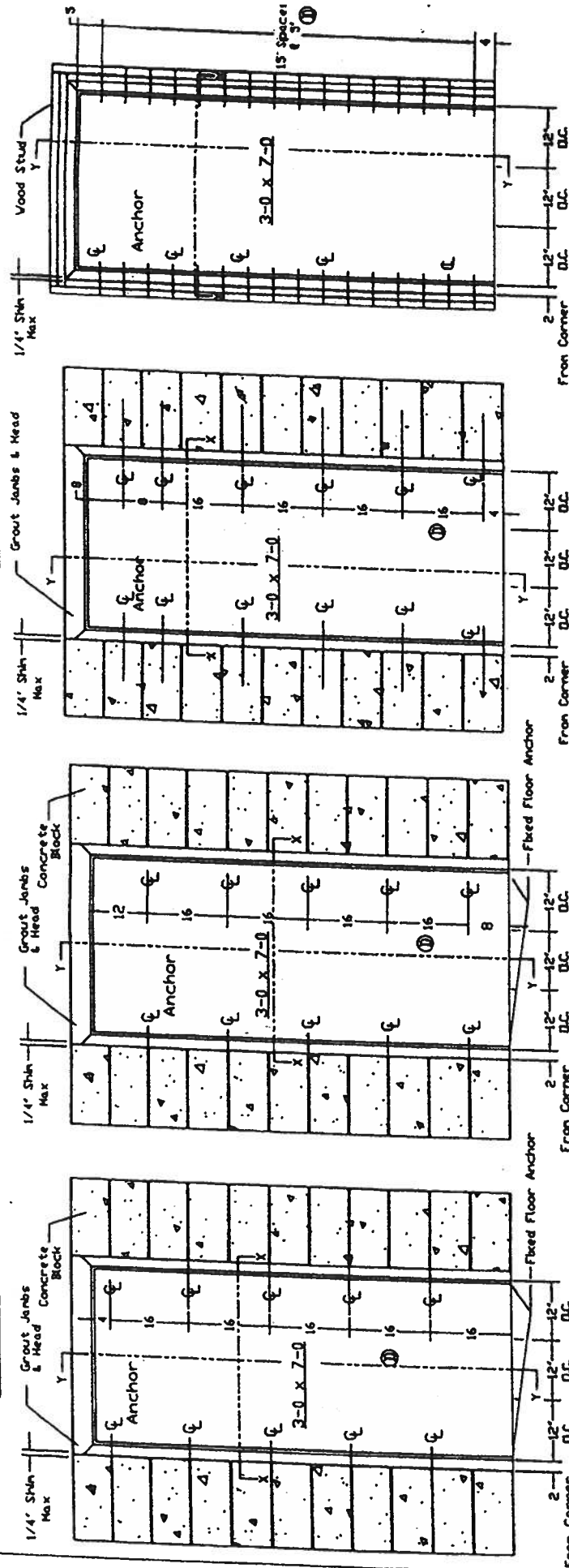
Masonry Wire Anchor

Masonry 'I' Anchor

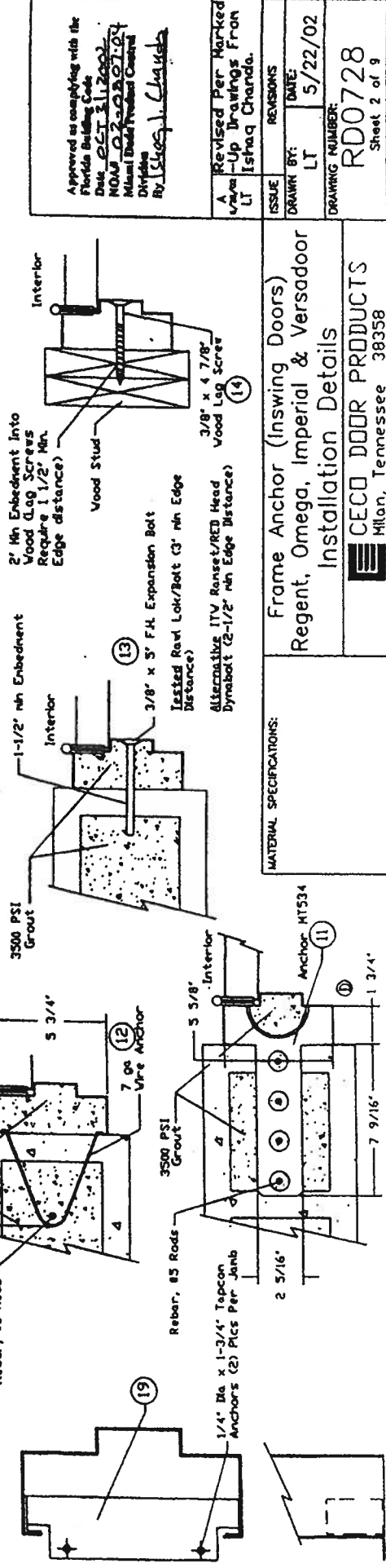
Min. 3500 PSI

Min. 3500 PSI

Min. 3500 PSI



ALL Dimensions Are Inches



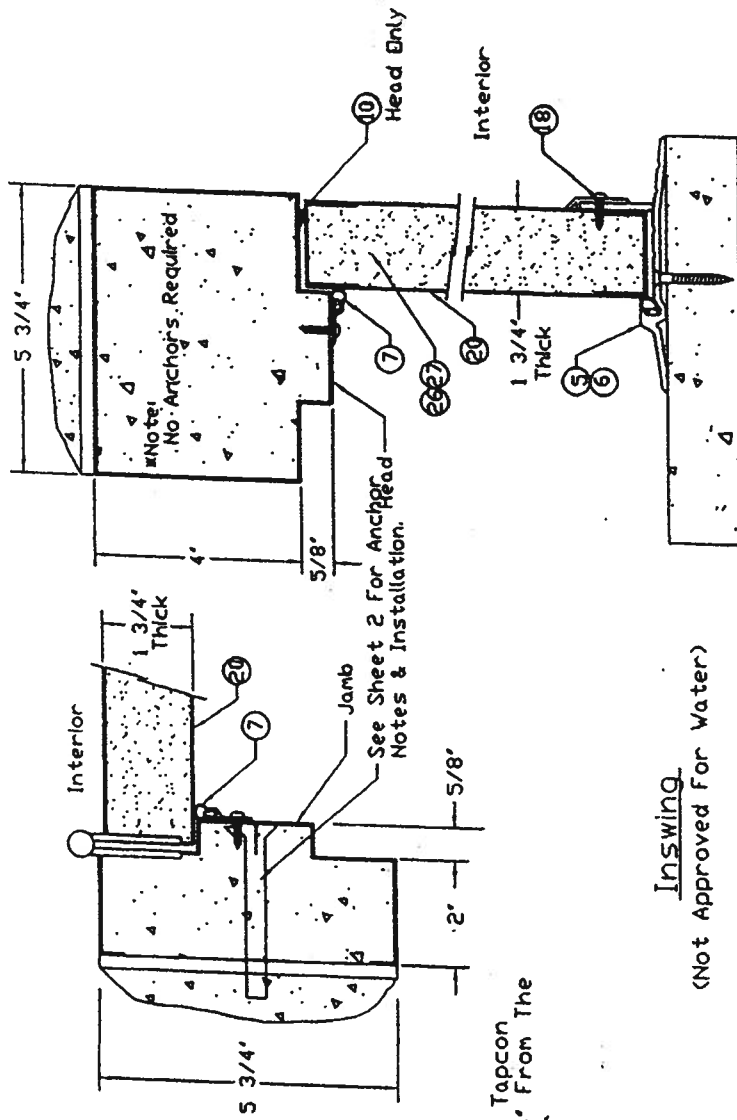
Approved as complying with the Florida Building Code	
Date	02/11/2002
Drawn By	Michael D. Dwyer
Checked By	Michael D. Dwyer
By	Michael D. Dwyer
Revised Per Marked	
LT	5/22/02
Drawing Number	
RD0728	
Sheet 2 of 9	

MATERIAL SPECIFICATIONS:

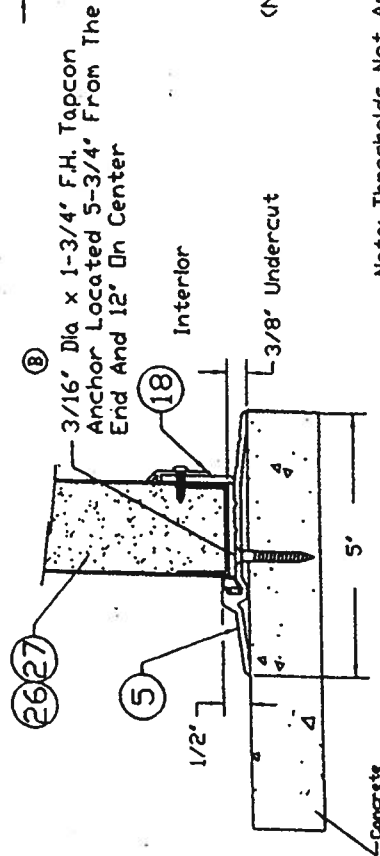
Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

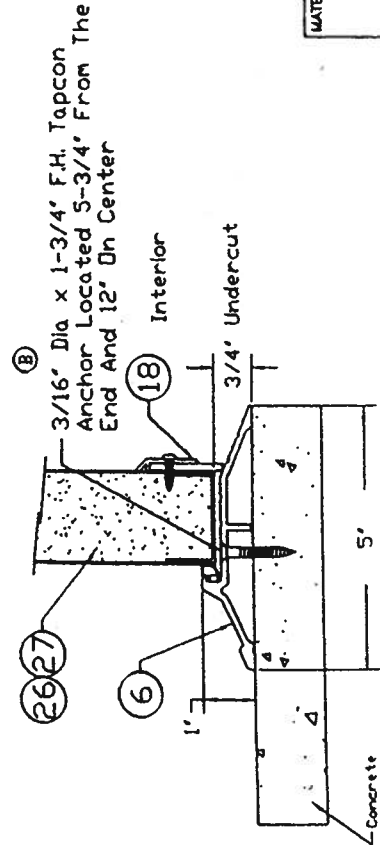
*Note: Structural Member At Header Must Be Designed To carry 58.3#/ft. load Imposed And Must Be Reviewed By Building Official.



Section Y-Y



Note: Thresholds Not Approved For Water.



Approved as complying with the
Florida Building Code
Date: OCT 1, 2002
NOAB 02-030709
Miami Dade Product Control
Division
By: Glucy L. Lucido

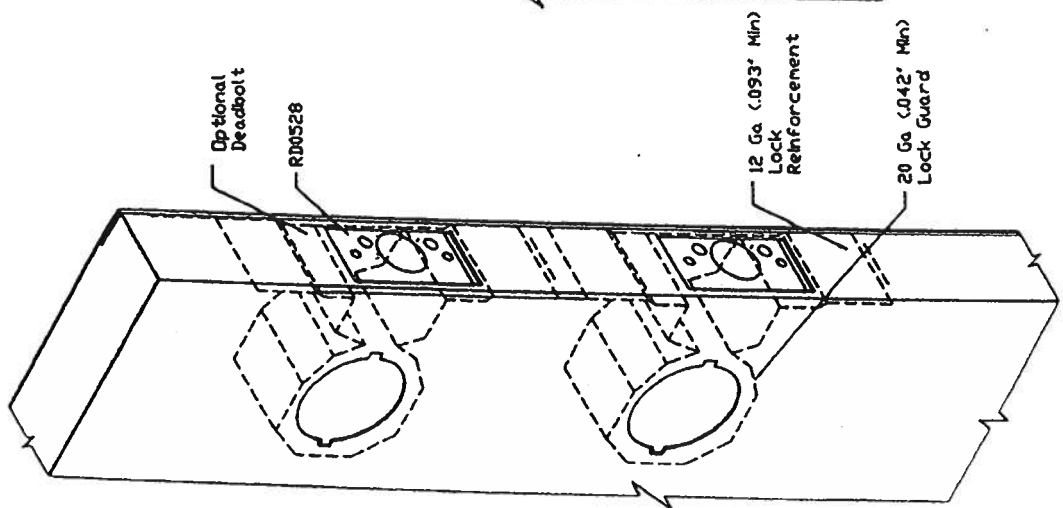
B	Revised Per Market-Up and Drawings From Istaq Granda
L.T.	
C	Revised Per Market-Up and Drawings From Istaq Granda
L.T.	

ISSUE	REVISIONS
QUANT BY:	DATE:
LT	5/22/02

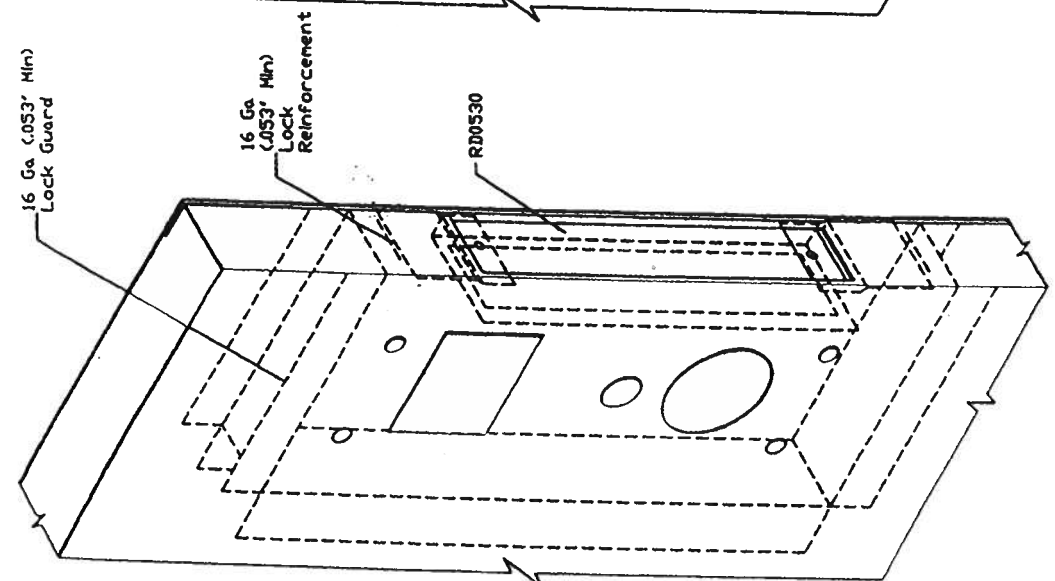
RD0728
Sheet 3 of 9

MATERIAL SPECIFICATIONS:
Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

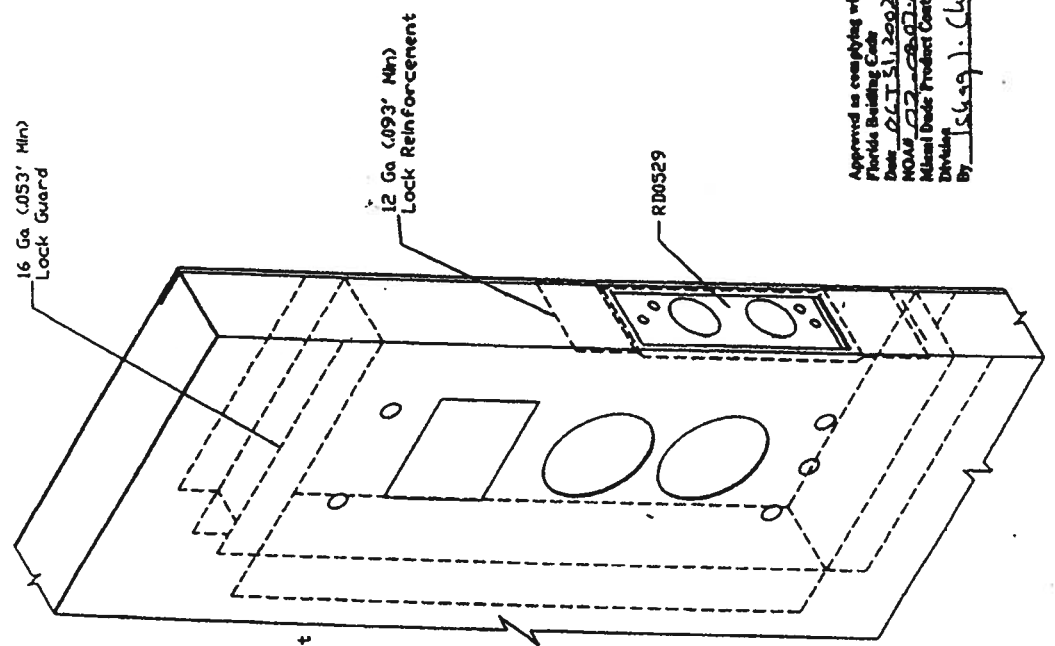
CECO DOOR PRODUCTS
Milan, Tennessee 38358



Schlage AL53PD



Saflok MI



Saflok Premier SL2500

Approved as complying with the
Florida Building Code
Date 02/15/2002
NOAA 02-2807.0-1
Miami Trade Product Control
Division
By [Signature]

lok MT		Saflok Premier SL2500	
MATERIAL SPECIFICATIONS:		Lock Reinforcement (Inswing Doors) Regent, Omega, Imperial, Versadoor Reinforcement Details	
		 CECO DOOR PRODUCTS Milan, Tennessee 38358	
A	Added RD0528, RD0529 & RD0530.	REVISIONS	
LT	ISSUE	DRAWN BY:	DATE:
		LT	5/28/02
		DRAWING NUMBER:	
		RD0728	
		Sheet 4 of 9	

[illegible]

Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

MATERIAL SPECIFICATIONS:

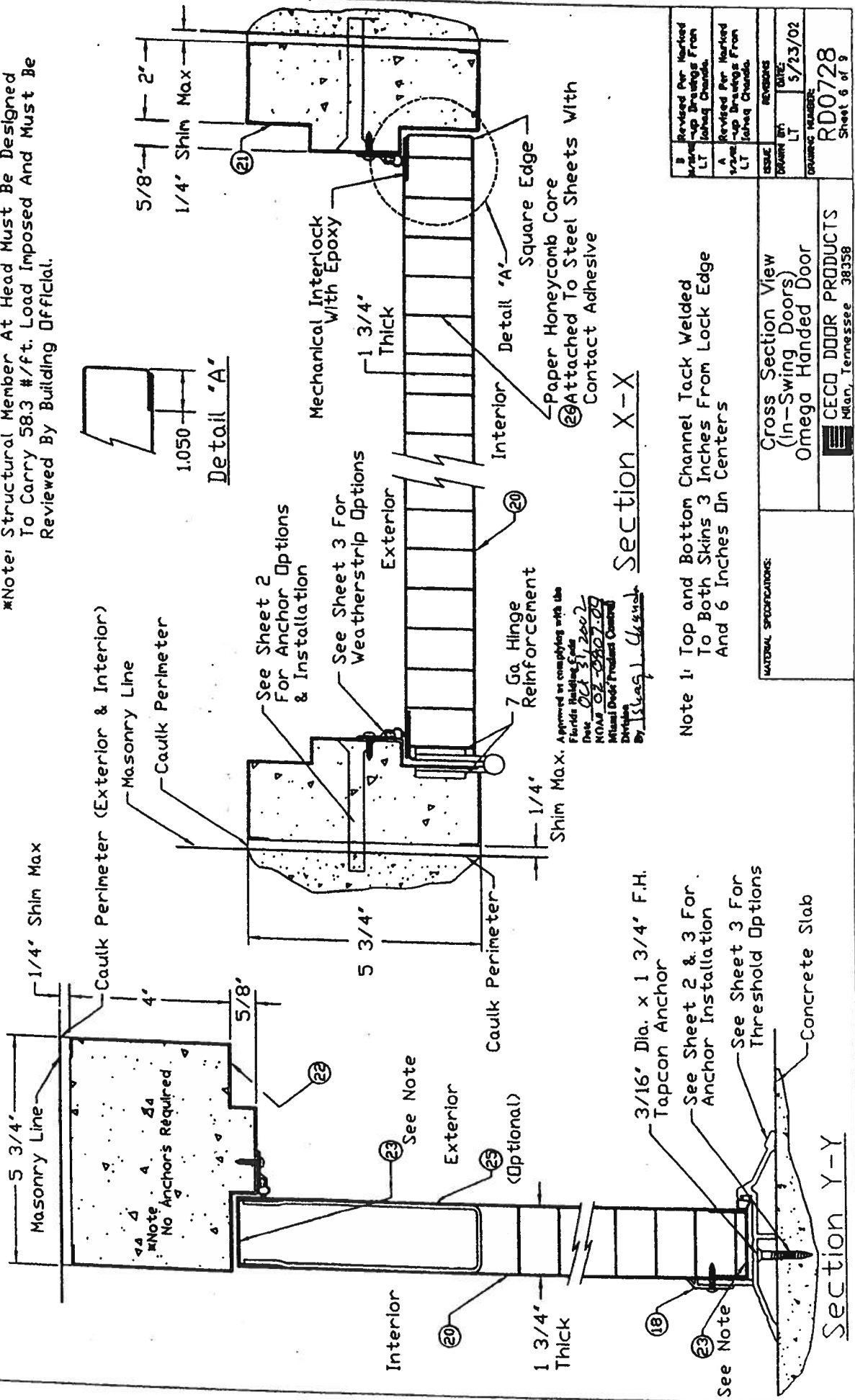
Cross Section View
(Inswing Doors)
Regent Handed Door

 **CECO DOOR PRODUCTS**
Milton, Tennessee 38358

ISSUE	NEWS	
ORDER BY:	DATE:	5/22/02
LT		
DRAWING NUMBER: RD0728		
Sheet 5 of 9		

RD0728
Sheet 5 of 9

*Note: Structural Member At Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

MATERIAL SPECIFICATIONS:

Cross Section View
(In-Swing Doors)
Omega Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

B	Revised Per Marked Drawing Drawings From LT (shag Chanda)	DATE	5/23/02
A	Revised Per Marked Drawing Drawings From LT (shag Chanda)	DATE	5/23/02
DATE	5/23/02	DATE	5/23/02
DATE	5/23/02	DATE	5/23/02
DATE	5/23/02	DATE	5/23/02

RD0728
Sheet 6 of 9

[illegible]

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3' From Lock Edge And 6 Inches On Center.

Section X-X.

Section Y-Y

**Gross Section View
(In-Swing Doors)
Imperial Handed Door**

INTERIM SPECIFICATIONS:

Approved as complying with the
Florida Building Code
Date 05/31/2002
NOM 02-0807-04
Missal Design Products Company
Division
By Shawn J. Chappell

Revised Per Market- Up Ratings From Lethal Chandra	ISSUE	MISSIONS
LT	LT	5/23/02

RD0728
Sheet 7 of 9

Note: Structural member at Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.

Section X-X

Detail 'A'

Material Specifications:

ITEM	DESCRIPTION	QUANTITY	UNIT	DATE	REVISIONS
1	Revised Per Handbook			5/23/02	
2	Up Brackets From				
3	Lintel Channels				
4	Revised Per Handbook			5/23/02	
5	Up Brackets From				
6	Lintel Channels				
7	Revised Per Handbook			5/23/02	
8	Up Brackets From				
9	Lintel Channels				

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3" From Lock Edge And 6 Inches On Center.

Section Y-Y

Detail 'A'

Material Specifications:

ITEM	DESCRIPTION	QUANTITY	UNIT	DATE	REVISIONS
1	Revised Per Handbook			5/23/02	
2	Up Brackets From				
3	Lintel Channels				
4	Revised Per Handbook			5/23/02	
5	Up Brackets From				
6	Lintel Channels				
7	Revised Per Handbook			5/23/02	
8	Up Brackets From				
9	Lintel Channels				

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3" From Lock Edge And 6 Inches On Center.

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3" From Lark Edge And 6 Inches On Center.

Detail 'A'

Section X-X

Section Y-Y

**Cross Section View
(In-Swing Doors)
Versadoor Handed Door**

Specialties: Internal Medicine

Approved as complying with 2b
 Florida Building Code
 Florida Department of
 State
 DATE 01/11/2010
 NOAC 2010-0007-01
 Manual Build Product Control
 Division
 By J. King - 1/11/2010

REVISIONS	DATE
1	5/23/02

Drawings Number:
RD0728
 Sheet 8 of 9

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53PD
1A	Deadbolt (Optional) ⑥	Schlage	B100
2	Dr Cylindrical Lock & Lock Reinforcement	Saflok	Premier SL2500
3	Dr Mortise Lock	Saflok	MT
4	Caulk	Dow Corning	899 Silicone Glazing Sealant
5	Threshold	Penko	200SAV36
6	Dr	Penko	181AV36
7	Weatherstrip	Penko	303AV3684
8	Hinge (Ball Bearing)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 HS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
9	Dr (Spring)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 HS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Penko	S88
11	Frame Anchor	Masonry Tee (RD0057)	16 ga (.053' min) Galv Steel Fymh = 30ksi
12	Dr	Wire, Relaxed Dimension 9' x 8'	#7 (.167' min) Galv Steel Wire (70,000 - 90,000 psi Tensile Strength)
13	Dr	Expansion Bolt	3/8" x 5" F.H. Rawl Lok/Bolt Or 3/8" x 5" F.H. Ramset/RED Head
14	Dr	Wood Lag Screw	3/8" x 4-5/8"
15	Viewer	Hager	1755
16	Dr	MAG Security	8724-C
17	Drip Cap Top	Penko	346
18	Sweep	Penko	315 N
19	Floor Anchor	Fixed Floor Anchor	16 ga (.053' min) galvanized Steel
20	Face Sheet A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 Ga (.053' min)
21	Series SF, Frame Jamb, Double Rabbet Profile, A60 Galv Conforming To ASTM A653	16 Ga (.053' min)	2' Face, 5-3/4' Depth Min. (RD0033)
22	Series SF, Frame Head, Double Rabbet, Profile A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	4' Face, 5-3/4' Depth Min. (RD0033)
23	Door Channels; Spot Welded To Bottom Skin	16 Ga (.053' min) A60 Galv Conforming To ASTM A653	16 ga (.053' min) x 1' x 1-3/4' x 1"
24	Glued To Top Skin; Tack Welded To Both	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053' min) x 1' x 1-3/4' x 1"
25	Door Channels; Spot Welded To Bottom Skin	16 Ga (.053' min) A60 Galv Conforming To ASTM A653	16 ga (.053' min) x 1' x 1-3/4' x 1"
26	Taped To Top Skin; Tack Welded To Both	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	12 ga (.093' min) x 5-3/8' x 16"
27	Closer Reinforcement (Optional)	12 Ga (.093' min) CS Type B	1.2" Nominal Cell Size
28	Honeycomb Core	Non-Inpregnated Kraft Paper ⑥	2 lb/ft ² Density
29	Urethane Core	Foam Enterprises	

Approved as complying with the
Florida Building Code
Date: Oct 31 2002
NO. 22-0807-07
Miami Dade Public Works
Division
By: LSK/LL

B	Revised Per Marked- Up Drawings From LT	10/10/02
A	Revised Per Marked- Up Drawings From LT	9/1/02
ISSUE	REVISIONS	
DRAWN BY:	DATE:	LT 5/28/02
DRAWING NUMBER:		RD0728
		Sheet 9 of 9

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series

In-Swing Bill Of Materials

 CECO DOOR PRODUCTS
Millon, Tennessee 38358

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Project Title:
Sky Designs - Dennis & Tammy Morse

Code Only
Professional Version
Climate: North

Reference City: Tallahassee (Defaults) Winter Temperature Difference: 42.0 F

8/21/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	E	30.0		36.5	1096 Btuh
2	1, Clear, Metal, 1.27	SW	15.0		53.3	800 Btuh
3	2, Clear, Metal, 0.87	N	18.0		36.5	658 Btuh
4	2, Clear, Metal, 0.87	N	15.0		36.5	548 Btuh
5	2, Clear, Metal, 0.87	S	30.0		36.5	1096 Btuh
Window Total			108(sqft)			4198 Btuh
Walls	Type	R-Value	Area X		HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	739		3.7	2756 Btuh
Wall Total			739			2756 Btuh
Doors	Type		Area X		HTM=	Load
1	Insulated - Exterior		41		14.7	600 Btuh
Door Total			41			600Btuh
Ceilings	Type/Color/Surface	R-Value	Area X		HTM=	Load
1	Vented Attic/D/Shin)	30.0	770		1.3	1030 Btuh
Ceiling Total			770			1030Btuh
Floors	Type	R-Value	Size X		HTM=	Load
1	Slab On Grade	0	111.0 ft(p)		49.6	5501 Btuh
Floor Total			111			5501 Btuh
Zone Envelope Subtotal:						14085 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)		CFM=	Load
	Natural	0.61	6160	739	62.6	2888 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Cond)(DLM of 0.005)					87 Btuh
Zone #1	Sensible Zone Subtotal					17060 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	17060 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	17060 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Sky Designs - Dennis & Tammy Morse

Code Only
Professional Version
Climate: North

8/21/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	10712 Btuh
	Sensible Duct Load	52 Btuh
	Total Sensible Zone Loads	10764 Btuh
	Sensible ventilation	0 Btuh
	Blower	10 Btuh
	Total sensible gain	10774 Btuh
	Latent infiltration gain (for 46 gr. humidity difference)	1026 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	18 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	1444 Btuh
	TOTAL GAIN	12218 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)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Sky Designs - Dennis & Tammy Morse

Code Only
Professional Version
Climate: North

Reference City: Tallahassee (Defaults) Summer Temperature Difference: 18.0 F

8/21/2006

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	2, Clear, 0.87, B-M, N,N	E	1.5ft.	6ft.	30.0	1.5	28.5	22	59	1712 Btuh	
2	1, Clear, 1.27, B-M, N,N	SW	1.5ft.	6ft.	15.0	4.3	10.7	30	59	757 Btuh	
3	2, Clear, 0.87, B-M, N,N	N	1.5ft.	4ft.	18.0	0.0	18.0	22	22	403 Btuh	
4	2, Clear, 0.87, B-M, N,N	N	1.5ft.	6ft.	15.0	0.0	15.0	22	22	336 Btuh	
5	2, Clear, 0.87, B-M, N,N	S	1.5ft.	6ft.	30.0	30.0	0.0	22	27	672 Btuh	
Window Total					108 (sqft)					3881 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
	Frame - Wood - Ext		13.0/0.09		739.2			2.2		1607 Btuh	
Wall Total					739 (sqft)					1607 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
	Insulated - Exterior				40.8			10.1		414 Btuh	
Door Total					41 (sqft)					414 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
	Vented Attic/DarkShingle		30.0		770.0			1.7		1300 Btuh	
Ceiling Total					770 (sqft)					1300 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
	Slab On Grade		0.0		111 (ft(p))			0.0		0 Btuh	
Floor Total					111.0 (sqft)					0 Btuh	
Envelope Subtotal:										7202 Btuh	
Infiltration	Type		ACH		Volume(cuft) wall area(sqft)			CFM=		Load	
	SensibleNatural		0.32		6160 739			62.6		649 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			2		X 230 +			2400		2860 Btuh	
Duct load	(DGM of 0.005)										52 Btuh
Sensible Load All Zones										10764 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Sky Designs - Dennis & Tammy Morse

Code Only
Professional Version
Climate: North

8/21/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	10712 Btuh
	Sensible Duct Load	52 Btuh
	Total Sensible Zone Loads	10764 Btuh
	Sensible ventilation	0 Btuh
	Blower	10 Btuh
	Total sensible gain	10774 Btuh
	Latent infiltration gain (for 46 gr. humidity difference)	1026 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	18 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	1444 Btuh
	TOTAL GAIN	12218 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)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Project Title:
Sky Designs - Dennis & Tammy Morse

Code Only
Professional Version
Climate: North

Reference City: Tallahassee (Defaults) Summer Temperature Difference: 18.0 F

8/21/2006

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, B-M, N,N	E	1.5ft.	6ft.	30.0	1.5	28.5	22	59	1712 Btuh
2	1, Clear, 1.27, B-M, N,N	SW	1.5ft.	6ft.	15.0	4.3	10.7	30	59	757 Btuh
3	2, Clear, 0.87, B-M, N,N	N	1.5ft.	4ft.	18.0	0.0	18.0	22	22	403 Btuh
4	2, Clear, 0.87, B-M, N,N	N	1.5ft.	6ft.	15.0	0.0	15.0	22	22	336 Btuh
5	2, Clear, 0.87, B-M, N,N	S	1.5ft.	6ft.	30.0	30.0	0.0	22	27	672 Btuh
Window Total					108 (sqft)					3881 Btuh
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			739.2		2.2		1607 Btuh	
Wall Total					739 (sqft)				1607 Btuh	
Doors	Type	R-Value			Area (sqft)		HTM		Load	
1	Insulated - Exterior				40.8		10.1		414 Btuh	
Door Total					41 (sqft)				414 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load	
1	Vented Attic/DarkShingle	30.0			770.0		1.7		1300 Btuh	
Ceiling Total					770 (sqft)				1300 Btuh	
Floors	Type	R-Value			Size		HTM		Load	
1	Slab On Grade	0.0			111 (ft(p))		0.0		0 Btuh	
Floor Total					111.0 (sqft)				0 Btuh	
	Zone Envelope Subtotal:								7202 Btuh	
Infiltration	Type	ACH			Volume(cuft)		wall area(sqft)	CFM=	Load	
	SensibleNatural	0.32			6160		739	32.9	649 Btuh	
Internal gain	Occupants			Btuh/occupant		Appliance		Load		
	2			X 230		+ 2400		2860 Btuh		
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Cond) (DGM of 0.005)								52 Btuh	
	Sensible Zone Load								10764 Btuh	

Residential Window Diversity

MidSummer

Project Title:
Sky Designs - Dennis & Tammy Morse

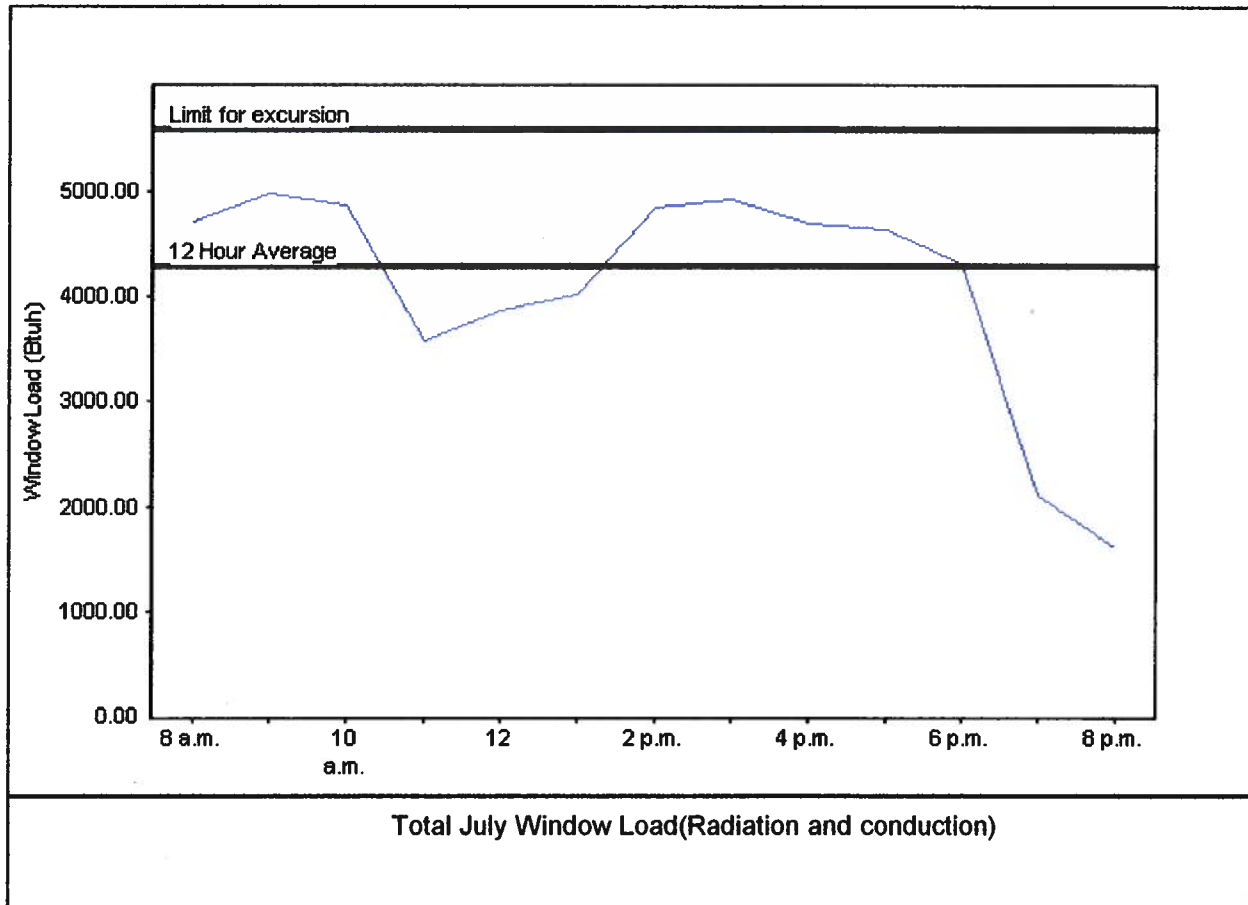
Code Only
Professional Version
Climate: North

8/21/2006

Weather data for: Tallahassee - Defaults

Summer design temperature	93 F	Average window load for July	4292 Btuh
Summer setpoint	75 F	Peak window load for July	4979 Btuh
Summer temperature difference	18 F	Excursion limit(130% of Ave.)	5579 Btuh
Latitude	30 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.21



Summary Energy Code Results

Residential Whole Building Performance Method A

Project Title:
Sky Designs - Dennis & Tammy Morse

Code Only
Professional Version
Climate: North

8/21/2006

Building Loads			
Base		As-Built	
Summer:	9288 points	Summer:	9152 points
Winter:	6956 points	Winter:	8294 points
Hot Water:	2424 points	Hot Water:	2424 points
Total:	18668 points	Total:	19871 points

Energy Use			
Base		As-Built	
Cooling:	3962 points	Cooling:	2711 points
Heating:	4364 points	Heating:	4233 points
Hot Water:	2635 points	Hot Water:	2635 points
Total:	10961 points	Total:	9579 points

PASS
e-Ratio: 0.87



GTC DESIGN GROUP

PROJECT NAME: SD-Morse Residence
PROJECT NUMBER: PF06-999

WIND LOAD AND STRUCTURAL CALCULATIONS FOR

Sky Designs Morse Residence


8/22/06
GARY GILL, PE
GTC DESIGN GROUP, LLC
P.O. BOX 187
LIVE OAK, FL 32064
386-362-3678
386-362-6133 (FAX)
AUTH. # 9461

Project name: MORSE RESIDENCE
Project: PF06-999
Client DENNIS & TAMMY MORSE
Calculations: Gary Gill, PE
Date: 8/22/2006

Design Basis

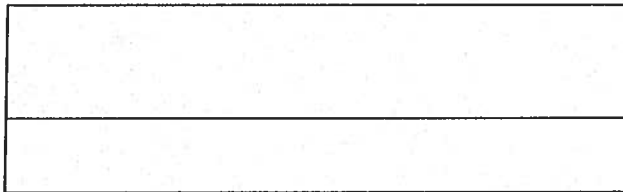
Design Loads

Wind Load	110
Floor Live Load	
Sleep Areas =	30 psf
All Others =	40 psf
Floor Dead Load	10 psf
Wall Dead Load	10 psf
Roof Live Load	20 psf
Roof Dead Load	10 psf

Load Combinations

DL + LL(floor) + LL (roof)
DL + LL(floor) +WL
DL + WL
Wind load

Exposure B



Building Information

Shape	Rectangle
Length	27.5 ft
Width	28 ft
Type	1 storey sog

References

2004 Florida Building Code
ASCE 7-98 Minimum Design Loads for Buildings and Other Structures
AITC Timber Construction Manual

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Analysis by: G. GILL

Company Name:

GTC DESIGNGROUP

Description: DENNIS & TAMMY MORSE

User Input Data

Structure Type	Building	
Basic Wind Speed (V)	110	mph
Struc Category (I, II, III, or IV)	II	
Exposure (B, C, or D)	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	4.0	:12
Slope of Roof (Theta)	18.4	Deg
Type of Roof	Hipped	
Kd (Directionality Factor)	0.85	
Eave Height (Eht)	10.00	ft
Ridge Height (RHt)	15.33	ft
Mean Roof Height (Ht)	12.67	ft
Width Perp. To Wind Dir (B)	27.50	ft
Width Paral. To Wind Dir (L)	28.00	ft

Calculated Parameters**Type of Structure**

Height/Least Horizontal Dim	0.46
Flexible Structure	No

Calculated Parameters

Importance Factor	1
<i>Hurricane Prone Region (V>100 mph)</i>	
Table 6-2 Values	
Alpha =	7.000
zg =	1200.000
At =	0.143
Bt =	0.840
Bm =	0.450
Cc =	0.300
l =	320.00 ft
Epsilon =	0.333
Zmin =	30.00 ft

Gust Factor Category I: Rigid Structures - Simplified Method

Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85
-------	---	------

Gust Factor Category II: Rigid Structures - Complete Analysis

Zm	Zmin	30.00 ft
lzm	$Cc * (33/z)^{0.167}$	0.3048
Lzm	$l * (zm/33)^{Epsilon}$	309.99 ft
Q	$(1/(1+0.63*((B+Ht)/Lzm)^{0.63}))^{0.5}$	0.9230
Gust2	$0.925 * ((1+1.7 * lzm * 3.4 * Q)/(1+1.7 * 3.4 * lzm))$	0.8795

Gust Factor Summary

G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85
---	--	------

Fig 6-5 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	0.18	-0.18

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

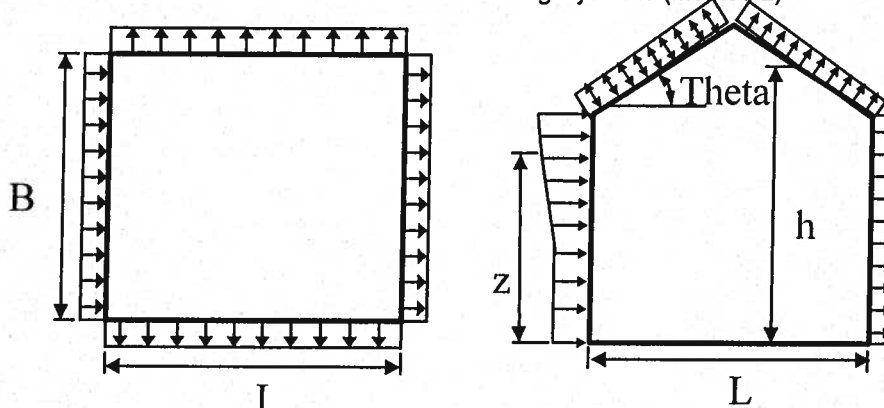
6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev ft	Kz	Kzt	qz lb/ft ²	Pressure (lb/ft ²)					Shear (Kip)	Moment (Kip-ft)
				Windward Wall*		Leeward Wall		Total +/-Gcpl		
				+GCpl	-GCpl	+GCpl	-GCpl			
15.33	0.58	1.00	15.23	7.63	13.08	-9.11	-3.66	16.74	0.15	0.03
15	0.57	1.00	15.13	7.57	13.01	-9.11	-3.66	16.67	7.03	53.91

Note: 1) Positive forces act toward the face and Negative forces act away from the face.

Figure 6-6 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	$2.01 \cdot (15/z_g)^{2/\alpha}$	0.57	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	$.00256 \cdot (V)^2 \cdot I \cdot K_h \cdot K_{ht} \cdot K_d$	15.13	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.70	
Qhcc	$.00256 \cdot V^2 \cdot I \cdot K_{hcc} \cdot K_{ht} \cdot K_d$	18.45	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Calculations for Wind Normal to 27.5 ft Face	Gp	Pressure (psf)	
<i>Additional Runs may be req'd for other wind directions</i>		+GCpl	-GCpl
Leeward Walls (Wind Dir Normal to 27.5 ft wall)	-0.50	-9.11	-3.66
Leeward Walls (Wind Dir Normal to 28 ft wall)	-0.50	-9.15	-3.71
Side Walls	-0.70	-11.73	-6.28
Roof - Wind Normal to Ridge (Theta >= 10) - for Wind Normal to 27.5 ft face			
Windward - Min Cp	-0.47	-8.78	-3.33
Windward - Max Cp	-0.02	-2.99	2.46
Leeward Normal to Ridge	-0.57	-10.03	-4.58
Overhang Top (Windward)	-0.47	-6.06	-6.06
Overhang Top (Leeward)	-0.57	-7.31	-7.31

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

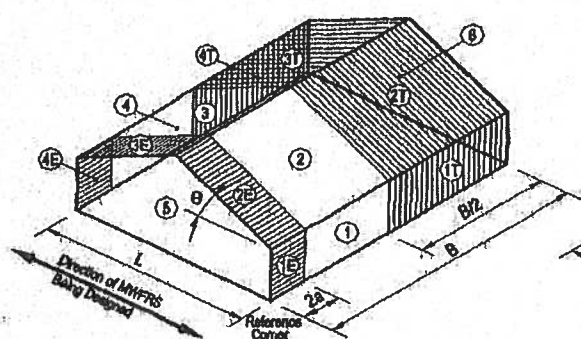
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 28 ft face			
Dist from Windward Edge: 0 ft to 25.34 ft - Max Cp	-0.18	-5.04	0.41
Dist from Windward Edge: 0 ft to 6.335 ft - Min Cp	-0.90	-14.30	-8.85
Dist from Windward Edge: 6.335 ft to 12.67 ft - Min C	-0.90	-14.30	-8.85
Dist from Windward Edge: 12.67 ft to 25.34 ft - Min C	-0.50	-9.15	-3.71
Dist from Windward Edge: > 25.34 ft	-0.30	-6.58	-1.13

* Horizontal distance from windward edge

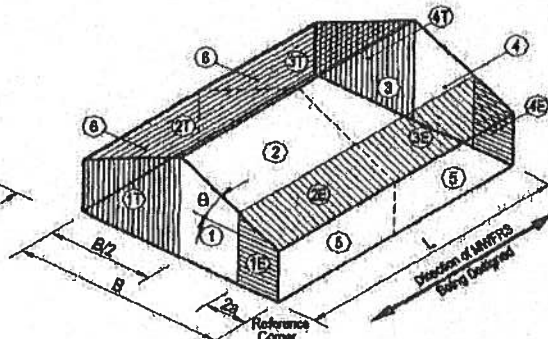
Figure 6-10 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht ≤ 60 ft

Kh =	$2.01 \cdot (15/z_g)^{2/\alpha}$	=	0.70
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	$0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d$	=	18.45
Theta =	Angle of Roof	=	18.4 Deg



Transverse Direction



Longitudinal Direction

Torsional Load Cases

Wind Pressures on Main Wind Force Resisting System						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.52	0.18	-0.18	18.45	6.20	12.84
2	-0.69	0.18	-0.18	18.45	-16.05	-9.41
3	-0.47	0.18	-0.18	18.45	-11.96	-5.32
4	-0.42	0.18	-0.18	18.45	-10.98	-4.34
5	-0.45	0.18	-0.18	18.45	-11.62	-4.98
6	-0.45	0.18	-0.18	18.45	-11.62	-4.98
1E	0.78	0.18	-0.18	18.45	11.06	17.70
2E	-1.07	0.18	-0.18	18.45	-23.06	-16.42
3E	-0.67	0.18	-0.18	18.45	-15.73	-9.09
4E	-0.62	0.18	-0.18	18.45	-14.71	-8.07

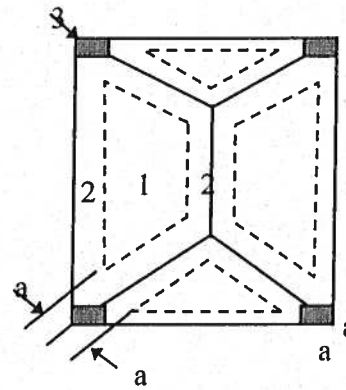
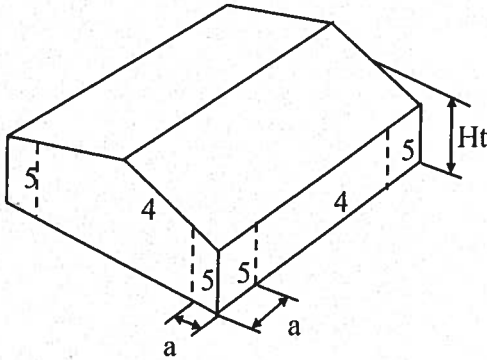
* $p = q_h \cdot (GCpf - GCpi)$

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Figure 6-11 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht ≤ 60 ft



Hipped Roof

 $7 < \text{Theta} \leq 27$

a = 2.75 ==> 3.00 ft

Double Click on any data entry line to receive a help Screen

Component	Width (ft)	Span (ft)	Area (ft ²)	Zone	GCp		Wind Press (lb/ft ²)	
					Max	Min	Max	Min
ROOF	10	1	10.00	1	0.50	-0.90	12.54	-19.92
ROOF EDGE	10	1	10.00	2	0.50	-1.70	12.54	-34.68
WALL	10	1	10.00	4	1.00	-1.10	21.77	-23.61
WALL EDGE	10	1	10.00	5	1.00	-1.40	21.77	-29.15
ROOF EDGE	10	1	10.00	2H	0.50	-2.20	10.00	-40.58

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Shearwall Design - N/S Direction

Rigid Diaphragm Analysis

Wind load acting on building

General Data

Roof Pitch (x:12)		4 Roof Dia	12.65
		Length of	
Vertical Roof height	15.33	Building	27.5
		Width of	
2nd Floor height	0	Building	28
1st Floor height	10		

Wind Pressure per ASCE 7- Normal to surface Case A

Windward Roof - Surface 2	-16.05	psf	Wall -	6.2 psf
			Leeward	
			Wall -	
Leeward Roof - Surface 3	-11.96	psf	Surface 4	-10.98 psf
			Total Wall	17.18 psf

Horizontal loads from wind perpendicular to ridge (N / S)

Roof Pressure (interior)

Windward Roof Horz.(psf)	-5.08
Leeward Roof Horz.(psf)	-3.78
Total	0.00
Tributary area (roof)	898.00
Roof shear values	0.00

Wall Pressure - 2nd Floor

Sum. of wind. & lee. (psf)	17.18
Tributary area to each Shearwall (sf)	0.00
Wall shear values to each shearwall	0.00

Wall Pressure - 1st Floor

Sum. of wind. & lee. (psf)	17.18
Tributary area to each Shearwall (sf)	342.08
Wall shear values to each shearwall	5876.93

Total shear to top of 2nd floor (lb) per wall (actual)	0.00
Total shear to top of 1st floor (lb) per wall (actual)	5876.93

2nd Floor shearwalls	Shearwall column #		
	1	2	3
Number of shearwall segments in each column			
Shearwall #1 length			
Shearwall #2 length			
Shearwall #3 length			
Lateral load on shear wall column (lbs)			
Percent Full-Height Sheathing			
Shear capacity adjustment			
Shearwall rating (plf) w/ 1.4			
Design Shear Capacity			
Stress Ratio			
uplift at shear ends			
shear and uplift between holddown, v and u			

1st Floor shearwall (ft)

Number of shearwall segments in each column	1	1	1
Full wall length	28	28	
Shearwall #1 length	19	19	
Shearwall #2 length	0	0	
Wall height ratio (h/b)	0.53	0.53	
Rigidities of shearwalls	5.80	5.80	
Lateral load on shearwall column (lbs) based on rigidity	2938.47	2938.47	
Percent Full-Height Sheathing Shearwall #1	67.86%	67.86%	
Shear capacity adjustment	0.87	0.87	
Shearwall rating (plf) w/ 1.4 increase for wind	483	483	
Design Shear Capacity	7983.99	7983.99	
Stress Ratio	0.37	0.37	
uplift at shear ends	1777.66	1777.66	
shear and uplift between holddown, v and u	177.77	177.77	

Anchor Bolt Shear Capacity plf			
Bolt size / spacing	24"	36"	48"
1/2" dia	422.5	281.67	211.25
5/8" dia	660	440.00	330
3/4" dia	930	620.00	465

Shearwall Design - E/W Direction

Rigid Diaphragm Analysis

Wind load acting on building

General Data

Roof Pitch (x:12)		4 Roof Dia	12.65
		Length of	
Vertical Roof height	15.33	Building	27.5
		Width of	
2nd Floor height	0	Building	28
1st Floor height	10		

Wind Pressure per ASCE 7- Normal to surface Case B

Windward Wall - Surface 5	11.06	psf
Leeward Wall - Surface 6	-23.06	psf
Total Wall	34.12	

Horizontal loads from parallel to ridge (N/S)

Roof Pressure (interior)	
Windward Roof Horz. (psf)	11.06
Leeward Roof Horz. (psf)	-23.06
Total	34.12
Tributary area (roof) to each shearwall (sf)	356.00
Roof shear values to each shearwall	12146.72

Wall Pressure - 2nd Floor

Sum. of wind. & lee. (psf)	0
Tributary area to each Shearwall (sf)	0.00
Wall shear values to each shearwall	0.00

Wall Pressure - 1st Floor

Sum. of wind. & lee. (psf)	34.12
Tributary area to each Shearwall (sf)	347.00
Wall shear values to each shearwall	11839.64

Total shear to top of 2nd floor (lb) per wall (actual)	0.00
Total shear to top of 1st floor (lb) per wall (actual)	23986.36

2nd Floor shearwalls	Shearwall column #		
	A	B	C
Number of shearwall segments in each column	1	1	1
Full wall length			
Shearwall #1 length			
Shearwall #2 length			
Shearwall #3 length			
Lateral load on shear wall column (lbs)			
Percent Full-Height Sheathing			
Shear capacity adjustment			
Shearwall rating (plf) w/ 1.4			
Design Shear Capacity			
Stress Ratio			
uplift at shear ends			
shear and uplift between holddown, v and u			

1st Floor shearwall (ft)

Number of shearwall segments in each column	A	B	C
Full wall length	27.5	27.5	
Shearwall #1 length	18.5	24.5	
Shearwall #2 length	0	0	
Wall height ratio (h/b)	0.54	0.41	
Rigidities of shearwalls	5.62	7.74	
Lateral load on shearwall column (lbs) based on rigidity	10091.67	13894.69	
Percent Full-Height Sheathing			
Shearwall #1	0.67	0.89	
Shear capacity adjustment	0.87	0.95	
Shearwall rating (plf) w/ 1.4 increase for wind	483	483	
Design Shear Capacity	7773.89	11241.83	
Stress Ratio	1.30	1.24	
uplift at shear ends	6270.07	5969.79	
shear and uplift between holddown, v and u	627.01	596.98	

Anchor Bolt Shear Capacity plf			
Bolt size / spacing	24"	36"	48"
1/2" dia	422.5	281.67	211.25
5/8" dia	660	440.00	330
3/4" dia	930	620.00	465

Notice of Treatment

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

Address: BAYVIEW

City: LAKE CITY

Phone: 7521703

Site Location: Subdivision _____

Lot # 14 Block# _____

Permit # 24975

Address: 259 SW Melon Ct

Product used

Active Ingredient

% Concentration

☐ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☒ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☐ Soil

☒ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Dwelling

818

396

3

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

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

10/19/06
Date

0915
Time

F254 Gunny
Print Technician's Name

Remarks: Unable to treat behind installed Handicap Shower unit.

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



Notice of Treatment

12182

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

Address: BAYA Ave

City: LAKE CITY Phone: 782.1703

Site Location: Subdivision _____

Lot # _____ Block# _____ Permit # * 24975

Address: 259 SW Melon CT

Product used

Active Ingredient

% Concentration

☐ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☒ Bora Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☐ Soil

☒ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

7	7	7	7

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

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

11/21/06
Date

1200
Time

James D. Pastor
Print Technician's Name

Remarks: F254 GUNNY

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©

Alpine Engineered Products, 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:1SZO215-Z0214061100

Truss Fabricator: W.B. Howland
Job Identification: 3780-/Morse Residence /J.L. DUPREE -- LAKE CITY, FL
Truss Count: 16
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.25.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
the seal date per section 61G15-31.003(5a) of the FAC
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Details: -



Seal Date: 08/14/2006

-Truss Design Engineer-
James F. Collins Jr.

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

#	Ref	Description	Drawing#	Date
1	33997--A1		06223029	08/11/06
2	33998--A2		06223030	08/11/06
3	33999--A3		06223031	08/11/06
4	34000--A4HG		06223044	08/11/06
5	34001--B1		06223032	08/11/06
6	34002--JE7G (2-PLY)		06223034	08/11/06
7	34003--B2		06223033	08/11/06
8	34004--B3		06223035	08/11/06
9	34005--B4HG		06223036	08/11/06
10	34006--JH10		06223037	08/11/06
11	34007--JH4		06223043	08/11/06
12	34008--JC1		06223038	08/11/06
13	34009--JC3		06223039	08/11/06
14	34010--JC5		06223040	08/11/06
15	34011--JE7		06223041	08/11/06
16	34012--JE3		06223042	08/11/06



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

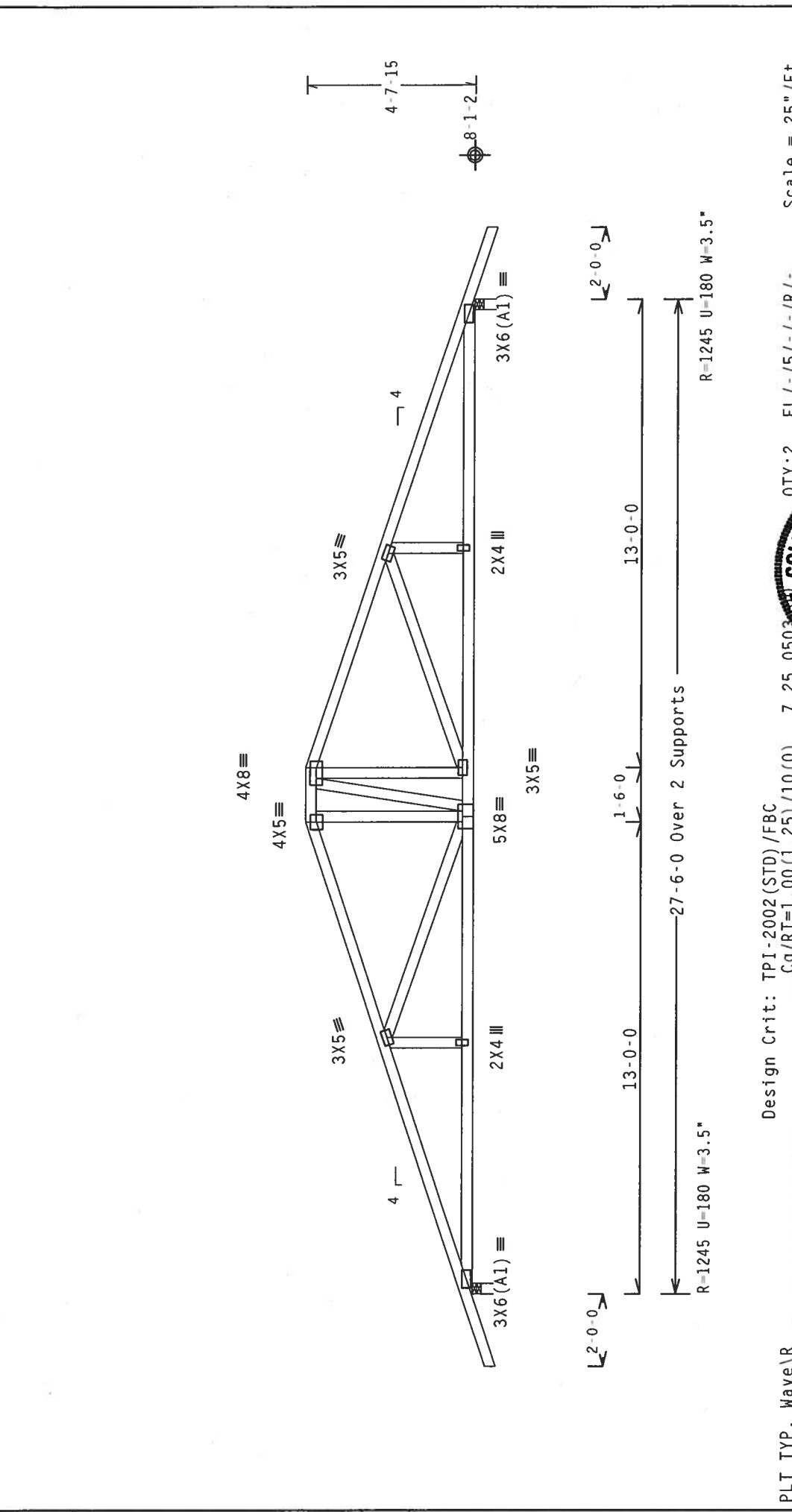
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

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

The overall height of this truss excluding overhang is 4-7-15.



PLT TYP. Wave R

Design Crit: TPI-2002(STD)/FBC

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

7.25.0502

QTY:2

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

Scale = .25" / Ft.

REF	R215--	33997
DATE	08/11/06	
DRW	HCUSR215	06223029
HC-ENG	TCE/WHK	*
SEQN-	134377	
FROM	CDM	
JREF-	1S20215_Z02	

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

Aug 14 '06

Professional Engineer

STATE OF FLORIDA

No. 15212

JR

COLLINS

ALPINE LICENSE

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, CONNECTION PLATES ARE MADE OF 2018/106A (A7/S/K) ASTM A553 GRADE 40/60 (N, K/R/S) GALV. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY THE DESIGNER SHALL BE THE DESIGNER'S RESPONSIBILITY. THE BUILDING DESIGNER 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. 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, CONNECTION PLATES ARE MADE OF 2018/106A (A7/S/K) ASTM A553 GRADE 40/60 (N, K/R/S) GALV. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY THE DESIGNER SHALL BE THE DESIGNER'S RESPONSIBILITY. THE BUILDING DESIGNER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

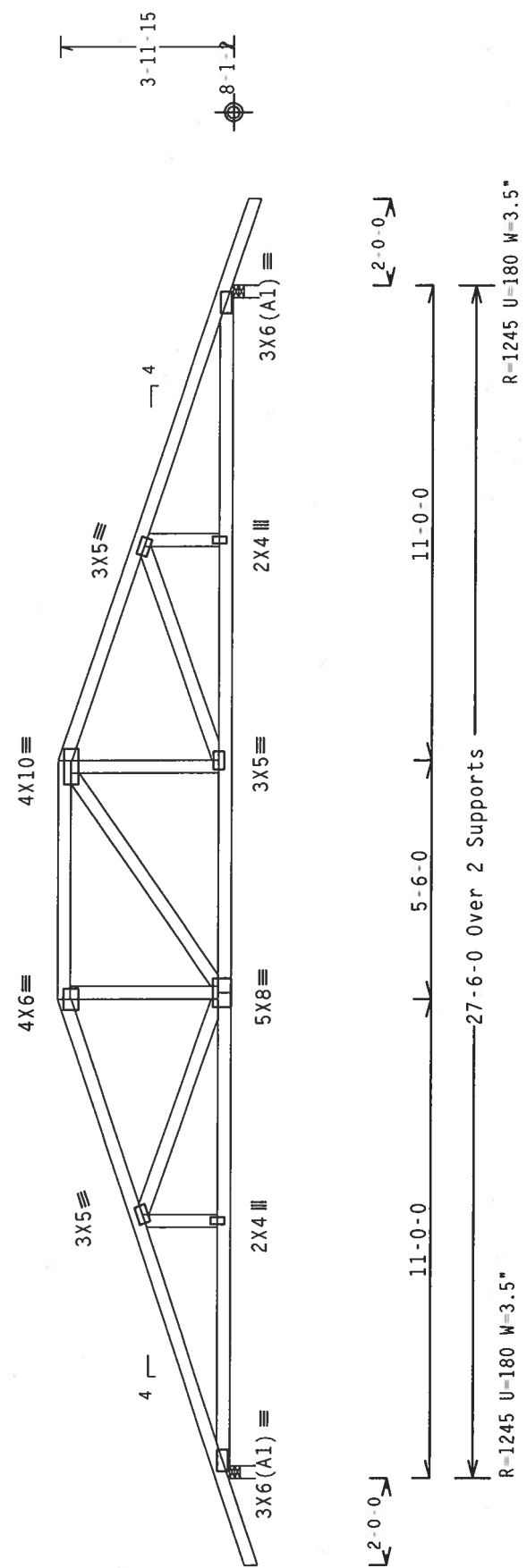
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

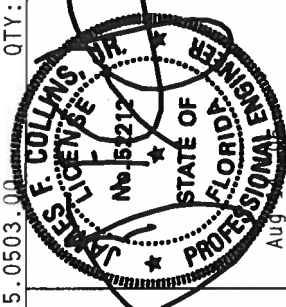
Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/F8C

PLT TYP. Wave\ R	QTY: 2		FL / - / 5 / - / - / R / -		Scale = .25" / Ft.	
	TC LL	20.0 PSF	REF	R215 - -	33998	
	TC DL	10.0 PSF	DATE	08/11/06		
	BC DL	10.0 PSF	DRW	HCSR215	06223030	
	BC LL	0.0 PSF	HC-ENG	TCE/WHK	*	
TOT.LD.			SEQN	134381		
DUR.FAC.			FROM	CDM		
SPACING			JREF	1SZ0215_Z02		



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND MTCA (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 A COPY OF THIS DESIGN TO THE 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 AFPA) AND TPI. ALPINE CERTIFIES THAT THE TRUSS DESIGNER HAS REVIEWED THE TRUSS DESIGN, DRAWINGS AND SPECIFICATIONS. APPLICABLE TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

(3780-/Morse Residence /J.L. DUPREE -- LAKE CITY, FL - A3)

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

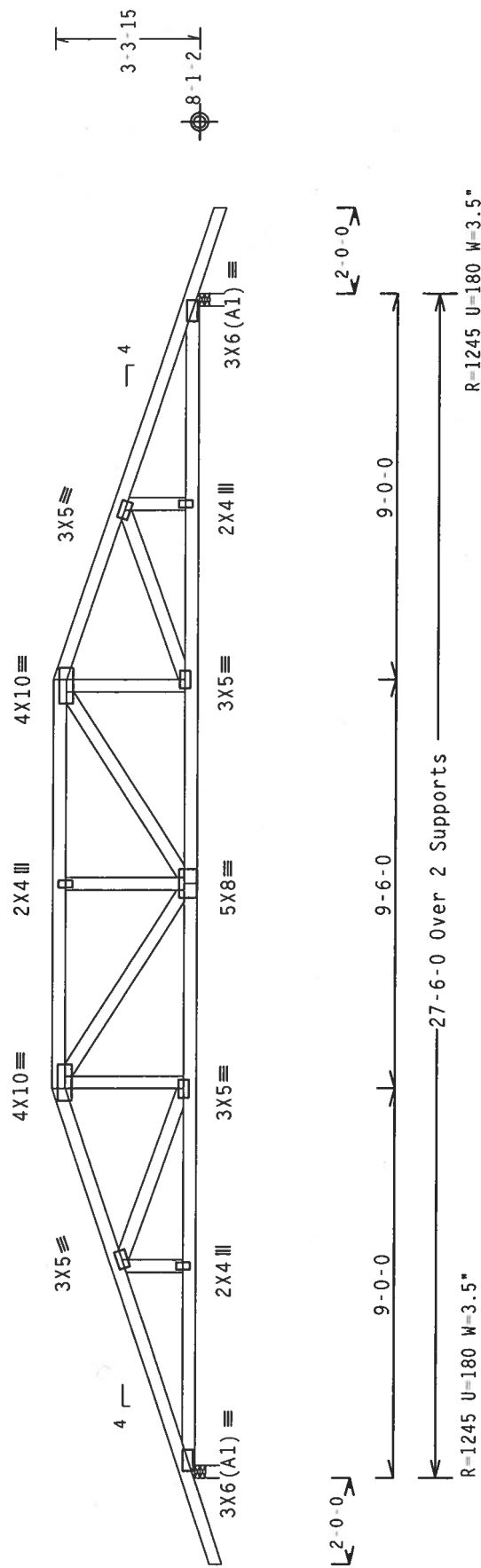
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

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

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



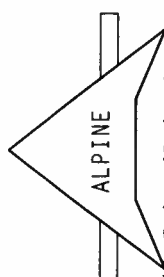
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.25.0503.00

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

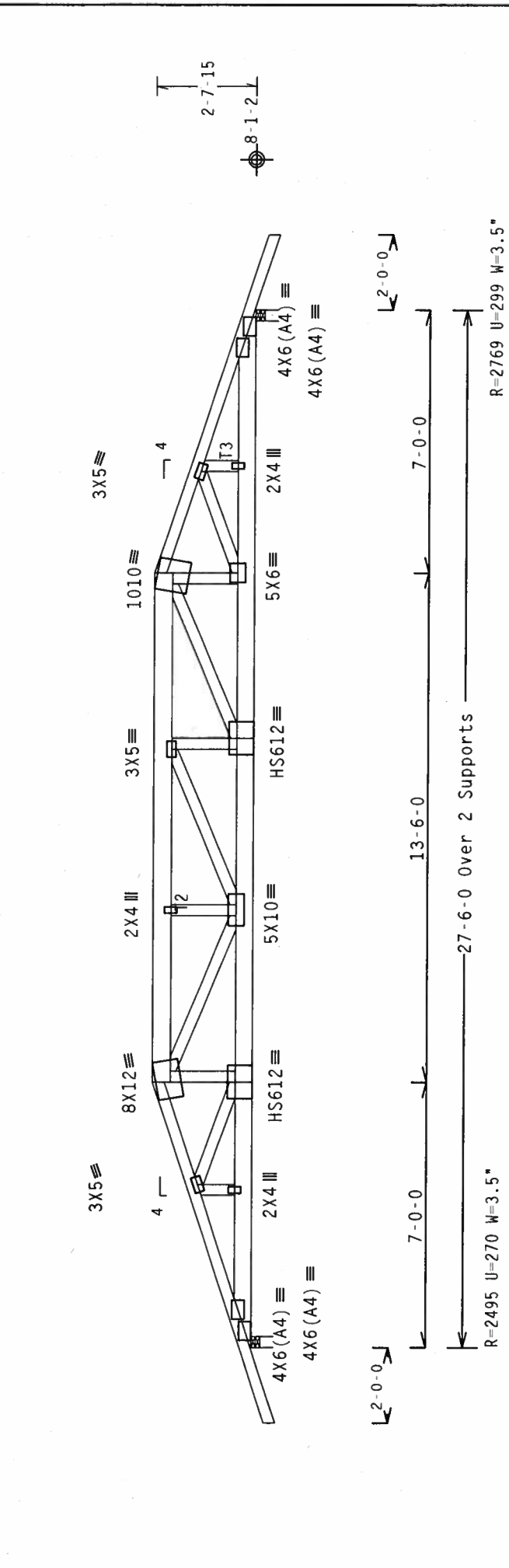
Scale =.25"/Ft.

 Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (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.		TC LL	20.0 PSF	REF	R215--	33999
	IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S) ASTM A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3.3. 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 DL	10.0 PSF	DATE	08/11/06	
			BC DL	10.0 PSF	DRW	HCUSR215	06223031
			BC LL	0.0 PSF	HC-ENG	TCE/WHK	*
			TOT.LD.	40.0 PSF	SEQN-	134385	
						DUR.FAC.	1.25
		SPACING	24.0"	JREF-	1S20215_Z02		

Top chord 2x4 SP #2 N :T2 2x6 SP #2 Dense:
:T3 2x4 SP #2 Dense:
Bot chord 2x6 SP SS
Webs 2x4 SP #2 N

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -2.00 to 61 PLF at 7.00
TC - From 84 PLF at 7.00 to 84 PLF at 20.50
TC - From 61 PLF at 20.50 to 61 PLF at 29.50
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - From 83 PLF at 7.00 to 83 PLF at 20.50
BC - From 20 PLF at 20.50 to 20 PLF at 27.50
BC - From 4 PLF at 27.50 to 4 PLF at 29.50
BC - 472 LB Conc. Load at 7.00, 20.50
BC - 662 LB Conc. Load at 19.38

Provide connection for concentrated load(s) shown.
WARNING: THIS TRUSS MUST BE INSTALLED EXACTLY AS SHOWN.
IT CAN NOT BE USED INSTALLED END-FOR-END.



PLT TYP. 20 Gauge HS,Wave\R
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:2 FL/-5/-1-R/- Scale=.25"/Ft.

TC LL	20.0 PSF	REF	R215--	34000
TC DL	10.0 PSF	DATE	08/11/06	
BC DL	10.0 PSF	DRW	HCUSR215	06223044
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	134436	
DUR.FAC.	1.25	FROM	CDM	
SPACING	SEE ABOVE	JREF-	1S20215_Z02	

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

James E. Collins, Jr.
Professional Engineer
State of Florida
No. 6222

Aug 14 '06

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

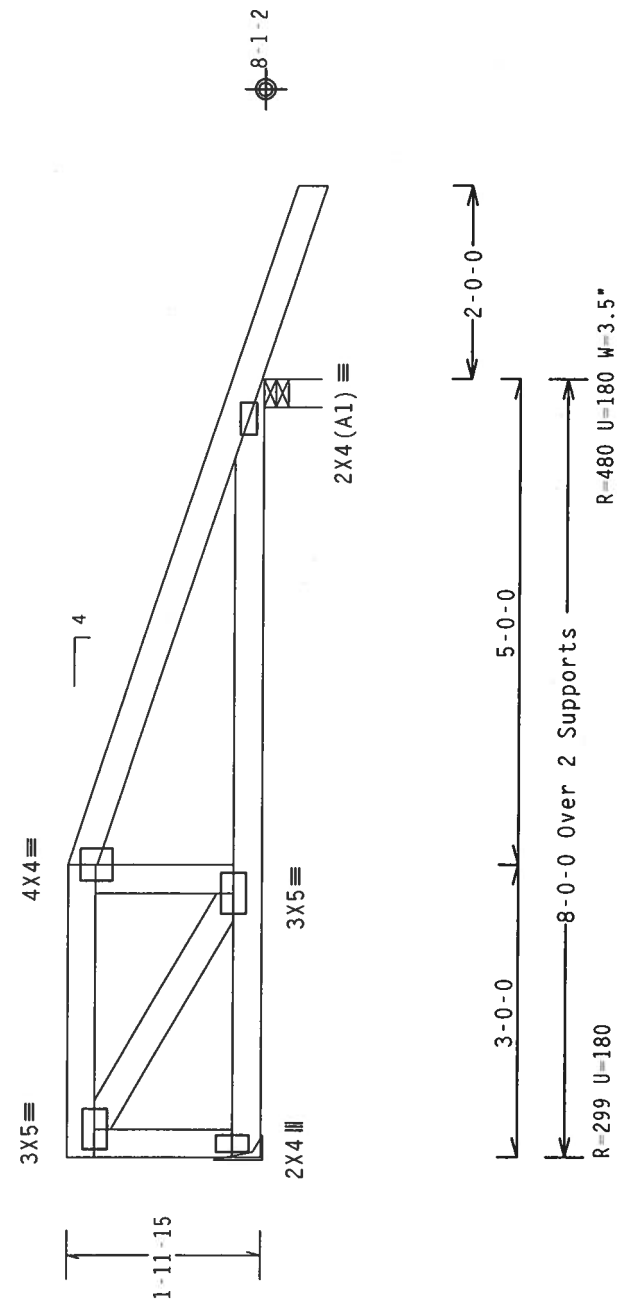
In lieu of structural panels use purlins to brace all flat IC @ 24" OC.

The overall height of this truss excluding overhang is 1-11-15.

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

Deflection meets L/360 live and L/240 total load.

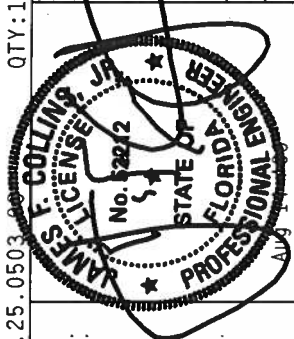
Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

Scale = .5" / Ft.

PLT TYP. Wave\R	QTY:1	FL/-/5/-/-/R/-	7.25.0503	REF R215-- 34001
		TC LL	20.0 PSF	DATE 08/11/06
		TC DL	10.0 PSF	DRW HCUSR215 06223032
		BC DL	10.0 PSF	HC-ENG TCE/WHK *
		BC LL	0.0 PSF	SEQN- 134393
		TOT.LD.	40.0 PSF	FROM CDM
		DUR.FAC.	1.25	JREF- 1SZ0215_Z02
		SPACING	24.0"	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC61 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 993 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (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 A COPY OF THIS DESIGN TO THE 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M/M/57A) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY ANY INSPECTION OF LATES FOR THE DESIGN. POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE FABRICATED BUILDING 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 Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at 0.00 to 61 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 304 LB Conc. Load at 1.06, 3.06
BC - 299 LB Conc. Load at 5.06

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 2'-7-15.

Provide connection for concentrated load(s) shown.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)

Top Chord: 1 Row @12.00" O.C.

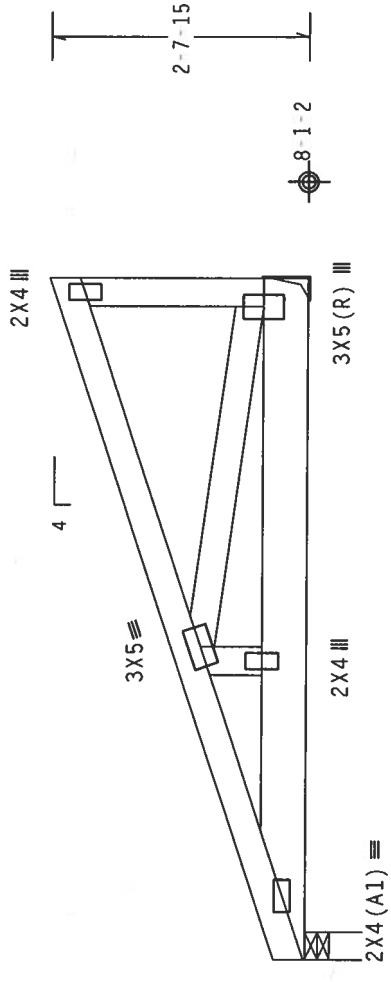
Bot Chord: 1 Row @11.50" O.C.

Webs : 1 Row @ 4" O.C.

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

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

Right end vertical not exposed to wind pressure.



7-0-0 Over 2 Supports
R-813 U-180 W-3.5"
R-662 U-180

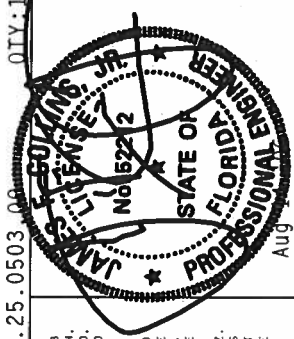
Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503.08

FL/-5/-/-R/-

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R215--	34002
TC DL	10.0 PSF	DATE	08/11/06	
BC DL	10.0 PSF	DRW	HCUSR215	06223034
BC LL	0.0 PSF	HC-ENG	TCE/WHK	
TOT.LD.	40.0 PSF	SEQN-	134430	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1SZ0215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (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 A COPY OF THIS DESIGN TO THE 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 AF&PA) AND TPI. ALPINE PLATES TO BE USED IN CONFORMANCE WITH THE FOLLOWING: UNLESS OTHERWISE GRADE 40/60 (M. K/M.S) GALV. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY ANY INSPECTION OF THE TRUSS COMPONENT SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

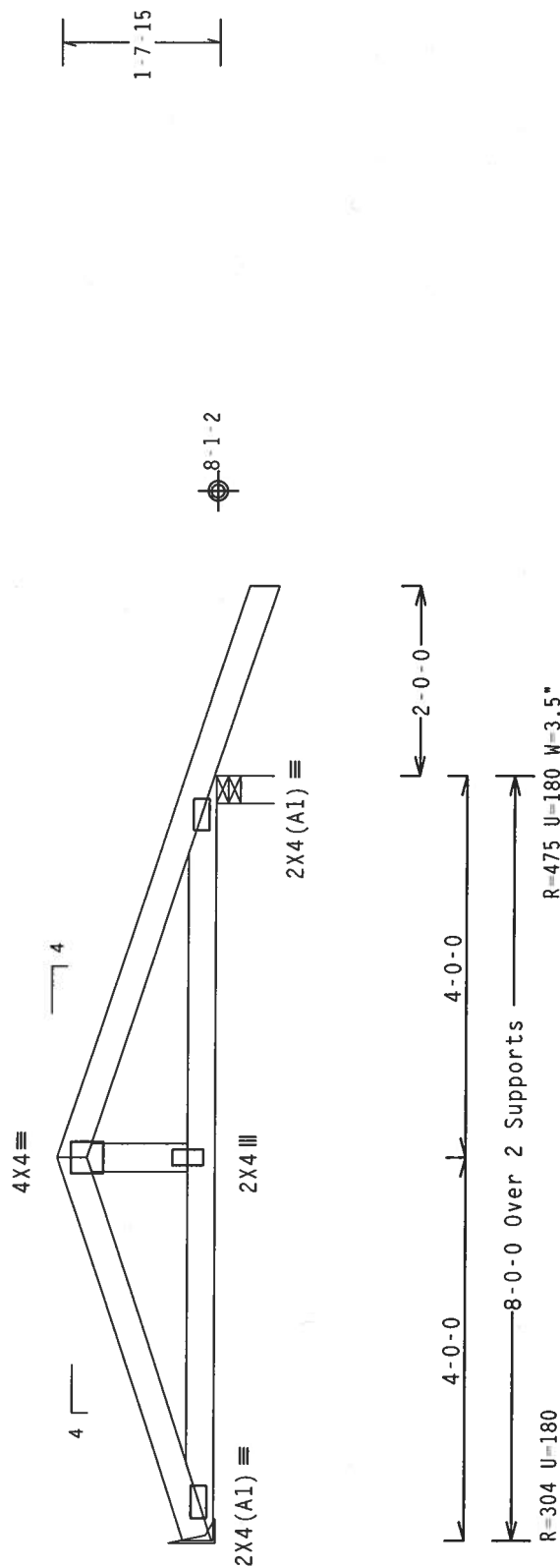
	Top	Bot	SP	#2	N
chord	2x4	2x4	SP	#2	N
chord	2x4	2x4	SP	#2	N
Webs	2x4	2x4	SP	#2	N

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/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 17'-15".



Design Crit: TPI-2002(STD)/FBC

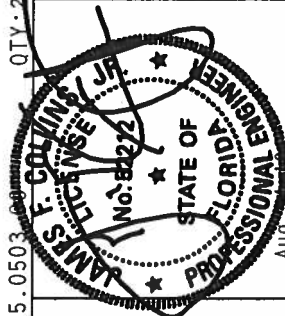
PLT TYP. Wave\R

~~0503~~. QTY: 2 FL/- / 5 / - / - IR / -

Scale = .5"/Ft.

WARNING: MUST USE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCS1-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 693 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND NCA CHORD TRUSS COUNCIL OF AMERICA, 6300 EPPINGER BLVD., 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. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE FOLLOWING DRAWING, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL BUILDING CODES. THE TRUSS COMPONENTS AND CONNECTOR PLATES ARE MADE OF 20/18/1166GA (H.W./S/K) ASTM A663 GRADE 40/60 (4 K/15) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND ALGEBRA LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TP1 1 SEC. 2.



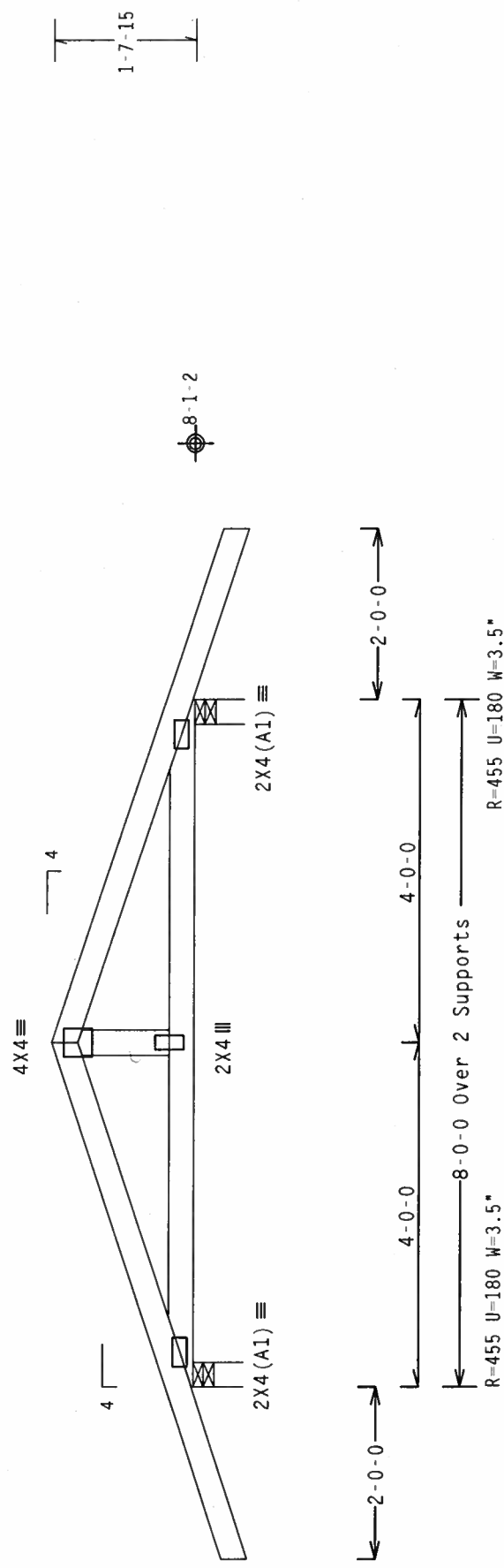
	Top	Bot	SP #2	N
chord	2x4	2x4	2x4	2x4
webs				

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/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq. in./piece.

The overall height of this truss excluding overhang is 1-7-15.



Design Crit: TPI-2002(STD)/FBC

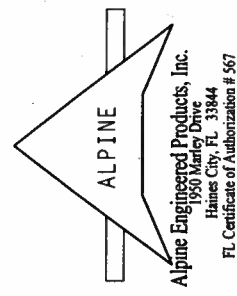
QTY: 1 FL / - / 5 / - / - / R / - Scale = .5" / Ft.

ITEM	QTY	UNIT	SCALE	3.5	1/4"
TC LL	20.0	PSF	REF	R215--	34004
TC DL	10.0	PSF	DATE	08/11/06	
BC DL	10.0	PSF	DRW	HCUSTR215	06223035
BC LL	0.0	PSF	HC-ENG	TCE/WHK	*
TOT.LD.	40.0	PSF	SEQN-	134402	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1S20215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
 REFER TO BESI 103 (OUTLING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 563
 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COMPANY 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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1: CONNECTIONS, FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTIONS AND BRACING OF JOISTS (NATIONAL DESIGN SPEC. BY AISC) AND PLATE GIRDS (NATIONAL DESIGN SPEC. BY AISC) SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS LEAD 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TP1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER TP1/TP1.1 SEC. 2.



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

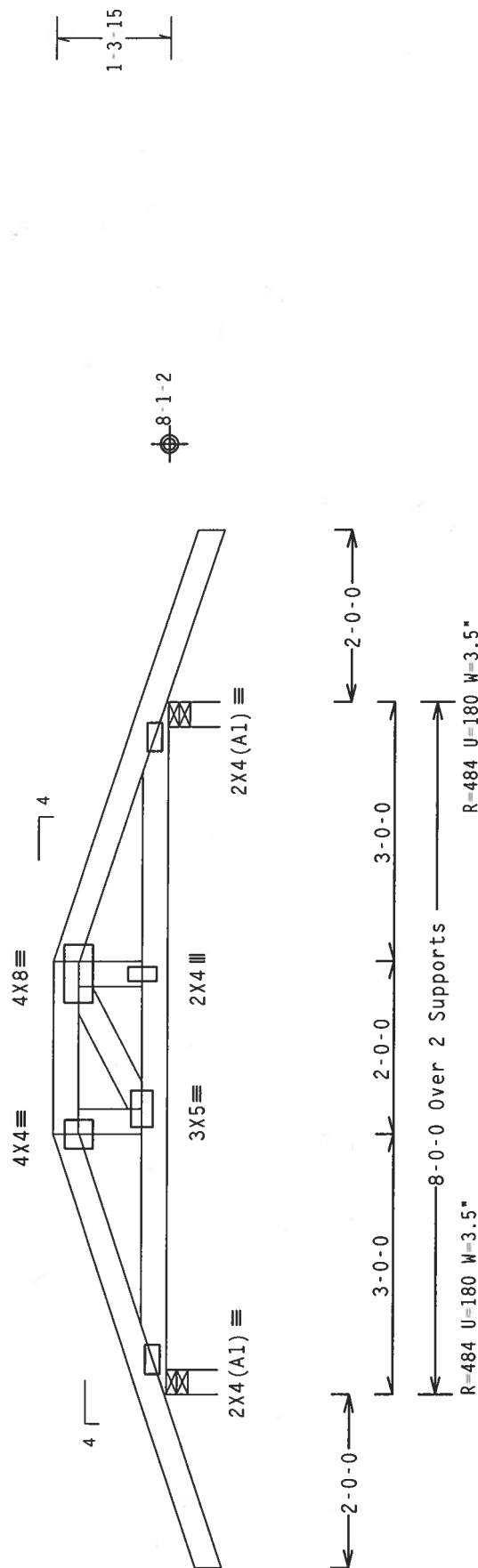
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

#1 hip supports 3-0-0 jacks w/2 panel TC and no end vert.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq. in./piece.

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



Design Crit: TPI-2002(STD)/FBC

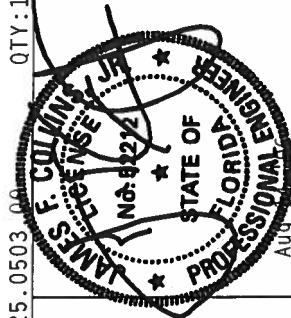
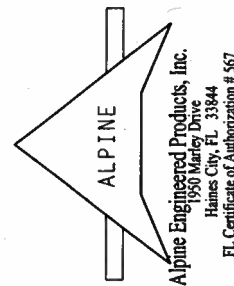
PLT TYP. Wave\R

QTY:1 EL/-/5/-/-/R/-

Scale = 5" / Ft.

*****WARNING*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFLECT ON THE BUILDING COMPONENTS SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLECE INSTITUTE, 983 D'ONOFIO RD., SUITE 100, FARMINGTON, CT 06030) AND THE NATIONAL TRUSS MANUFACTURERS ASSOCIATION, 1000 N. MADISON, WI 53719. FOR SAFETY PRECAUTIONS TO BE FOLLOWED IN THESE OPERATIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE ANOTHER PROPERLY ATTACHED RIGID CEILING.**

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE DESIGN SPECIFICATIONS (SEE, E.G. A7404) AND STEEL CONNECTOR PLATES ARE MADE OF 2017/18/16GA (H/1/2) ASTM A575 GR50 40/60/62 PLATES AND PURLIN PLATES TO EACH FACE OF TRUSS AND OTHERWISE LOCATED ON THE DESIGN POSITION PER DETAILING 1604.2. ANY INSPECTION OF PLATES FOLLOWED BY PROFESSIONAL ENGINEERING RESPONSIBILITY OF TP11-2002 SEC.3 DRAWING INDICATES ACCEPTANCE OF PLATED ENGINEERING LIABILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER SUBMITAL/TP11 SEC. 2.



TC LL	20.0 PSF	REF	R215 - - 34005
TC DL	10.0 PSF	DATE	08/11/06
BC DL	10.0 PSF	DRW	HCUSR215 06223036
BC LL	0.0 PSF	HC-ENG	TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	134405
DUR.FAC.	1.25	FROM	CDM
SPACING	SEE ABOVE	JREF-	1SZ0215_Z02

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

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

Hipjack supports 7-0-0 setback jacks with no webs.

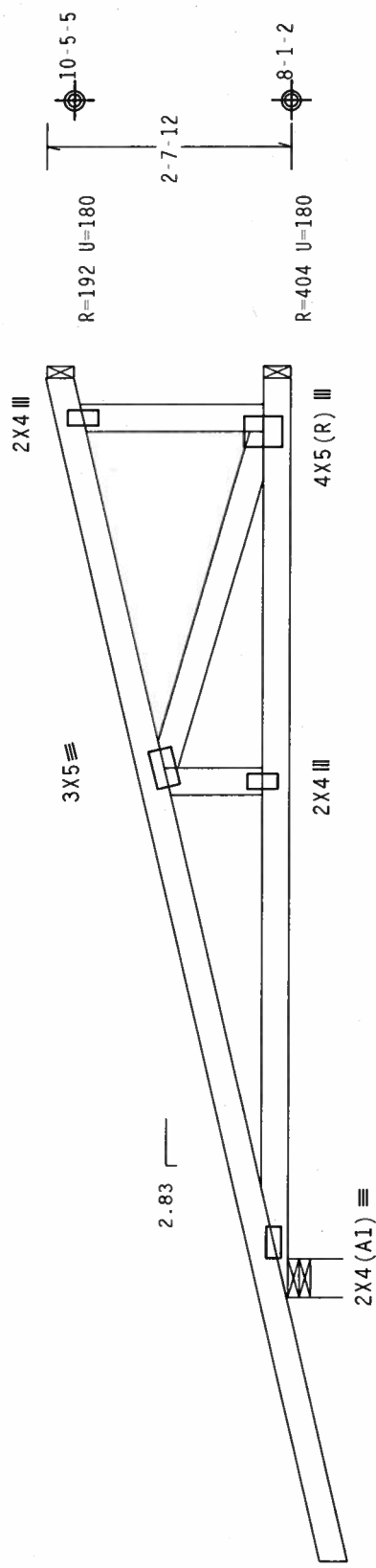
Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 2-7-12.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (3) 0.162x3.5" 16d Common toe-nails at Bottom Chord.



2-9-15

9-10-13 Over 3 Supports

R=530 U=180 W=4.95"

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.25.0503$

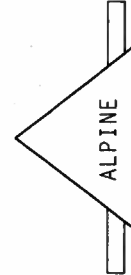
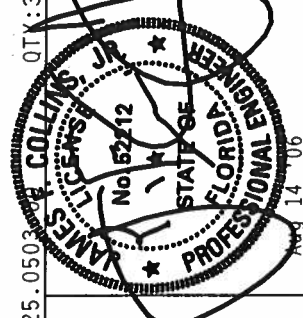
QTX:3 FL/-/5/-/-/R/-

Scale = .5"/Ft.

PLT TYP. Wave/R

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. CONSTRUCTION OF THIS BUILDING COMPONENTS SHOULD BE DONE BY PERSONNEL TRAINED IN THE PROPER USE OF THIS PRODUCT. FOR SAFETY INFORMATION, PUBLISHED BY TPI TRUSS COMPANY INSTITUTE, 193 S. CONOVER AVE., CHICAGO, ILL. 60604, OR TPI TRUSS COMPANY, 1000 N. MICHIGAN AVE., 1ST FLOOR, MADISON, WI 53701. FOR SAFETY PRECAUTIONS IN PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INSTRUCTED, ALL THUSSES MUST BE PROPERLY ATTACHED TO THE 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR ALUMINUM AND STEEL CONSTRUCTION) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/5/1/4) ASTM A653 GRADE 40/60 (W/ .015) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THE CONTRACT, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACHIEVEMENT 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/TP11 1 SEC. 2.

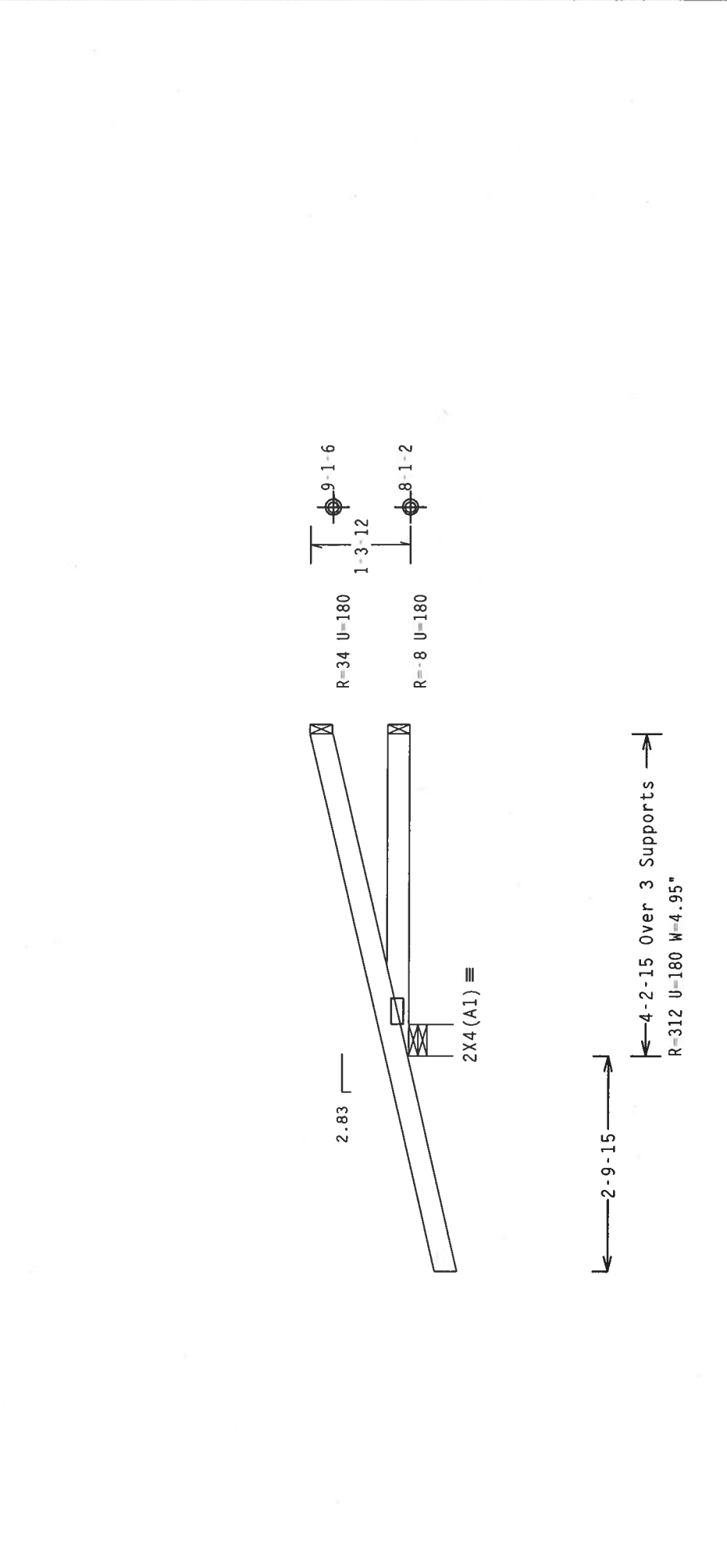


Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Hipjack supports 3-0-0 setback jacks with no webs.

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.
Deflection meets L/360 live and L/240 total load.
Plates sized for a minimum of 3.00 sq.in./piece.
The overall height of this truss excluding overhang is 1-3-12.
Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.



PLT TYP. Wave/R

Alpine Engineering Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

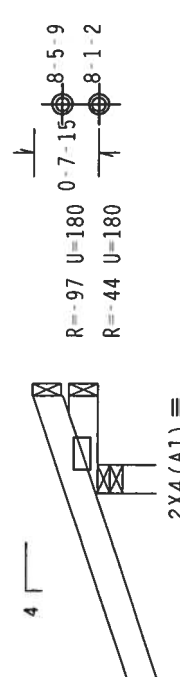
OTY:2 FL/-/5/-/R/- Scale =.5"/Ft.

REF	R215--	34007
DATE	08/11/06	
DRW	HCUSR215	06223043
HC-ENG	TCE/WHK	
SEQN-	134414	
FROM	CDM	
JREF-	1SZ0215_Z02	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE INTERNATIONAL TRUSS SOCIETY, 1000 D'ONDREO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., SUITE 100, 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. 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-N/S/K) ASTM A653 GRADE 40/60 (N, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SIGNIFIES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN HEREON. THE 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
Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 0-7-15.
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.
Plates sized for a minimum of 3.00 sq.in./piece.
Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.



1'-0" Over 3 Supports
R=353 U=180 W=3.5"

PLT TYP. Wave\R

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Design Crit: TPI-2002 (STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.25.0503

Scale = .5" / Ft.

QTY: 10

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-- 34008
DATE 08/11/06
DRW HCUSR215 06223038
HC-ENG TCE/WHK
SEQN- 134417
FROM CDM
JREF- 1SZ0215_Z02

4

R=97 U=180 0-7-15 8-5-9
R=44 U=180 8-1-2

2X4 (A1) ≡

1'-0" Over 3 Supports
R=353 U=180 W=3.5"

2'-0" →

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12212
J. COLLINS
TPI-2002

Aug 14 '00

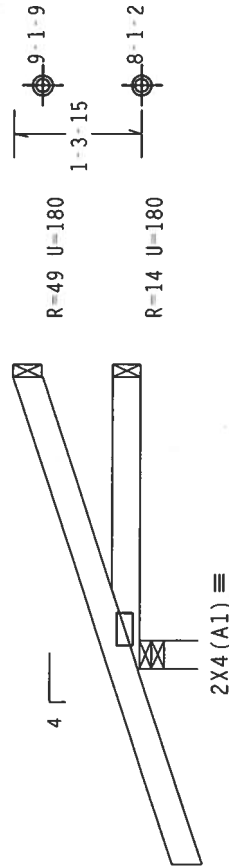
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

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.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.



2-0-0
3-0-0 Over 3 Supports
R=311 U=180 W=3.5"

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

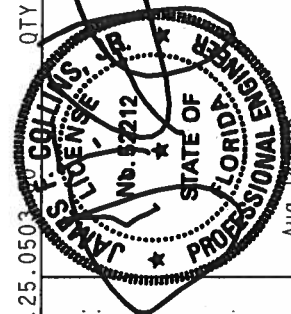
PLT TYP. Wave\R

QTY:6 FL/-/5/-/-/R/-

Scale = .5"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719), AND WCA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING TRUSSES, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE TRUSS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTIONS WITH WALLS OR CEILING, OR ANY OTHER CONSTRUCTION, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSSES CONFORM WITH THE TABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TYPE III, ALPINE. THE TRUSSES CONFORM WITH THE TABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TYPE III, ALPINE. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TP11-2002-SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE TRUSS. THE SEAL OF THIS CONTRACTOR FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX A OF TP11-2002-SEC.2.



TC LL	20.0 PSF	REF R215 - 34009
TC DL	10.0 PSF	DATE 08/11/06
BC DL	10.0 PSF	DRW HCURSR215 06223039
BC LL	0.0 PSF	HC-ENG TCE/WHK *
TOT.LD.	40.0 PSF	SEQN- 134419
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SZ0215_Z02

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

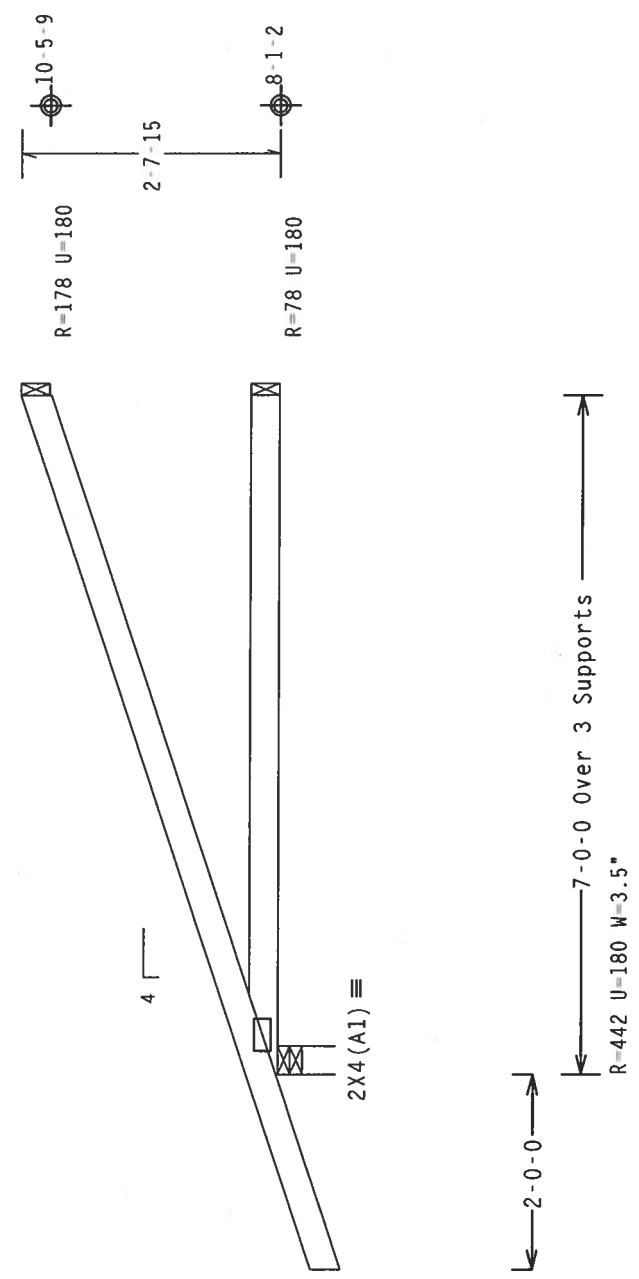
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2'-7"-15."

Plates sized for a minimum of 3.00 sq.in./piece.

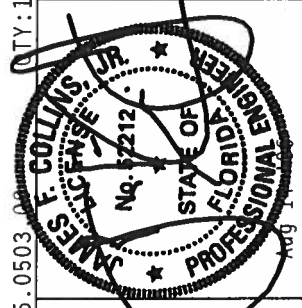
Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.



Design Crit: TPI-2002(STD)/FBC

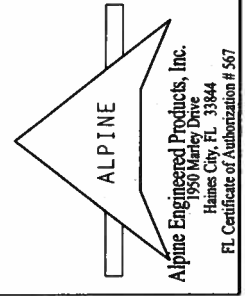
Scale = .5"/Ft.

	T	C	L	L	N	S	C	A	R	E	F.
TC LL	20.0	PSF						REF	R215--	34011	
TC DL	10.0	PSF						DATE	08/11/06		
BC DL	10.0	PSF						DRW	HCUSTR215	06223041	
BC LL	0.0	PSF						HC-ENG	TCE/HMK	*	
TOT.LD.	40.0	PSF						SEQN-	134423		
DUR.FAC.	1.25							FROM	CDM		
SPACING	24.0"							JREF-	1SZ0215_Z02		



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY IPTI (TRUSS PULPIT INSTITUTE, 593 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WTC (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***** **TURNISH** A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. **ALPINE ENGINEERS, INC.** SHALL NOT BE RESPONSIBLE FOR ANY NATIONAL SPECIFICATIONS. ANY FAILURE OF THE TRUSSES IN CONFORMANCE WITH THE PROVISIONS OF ANY NATIONAL SPECIFICATIONS, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA&P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA. (W./T./S) ASTM A663 GRADE 40/60 (W. K/H/S) GALV. STEEL. 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 A OF TPI-2009 SECC.3. A SEAL ON THIS DESIGN SHALL BE REQUIRED TO BE OBTAINED FROM THE TPI-2009 SECC.3. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSII/TPI 1 SEC. 2.



(3780-Morse Residence /J.L. DUPREE -- LAKE CITY, FL - JE3)

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

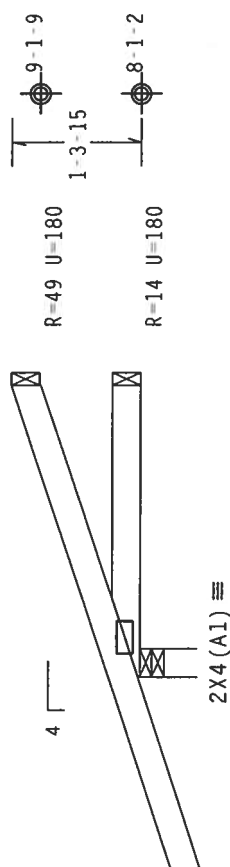
Deflection meets L/360 live and L/240 total load.

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

110 mph wind, 15.00 ft mean htg, 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.

Plates sized for a minimum of 3.00 sq.in./piece.

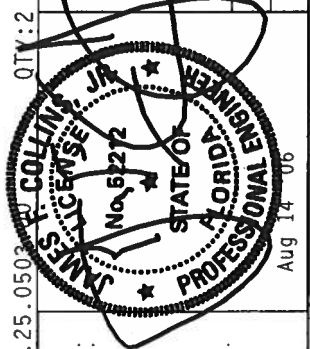
Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.



PLT TYP. Wave\

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

QTY:2	FL/-/5/-/1/R/-	Scale =.5"/Ft.
REF	R215--	34012
DATE	08/11/06	
DRW	HCUSR215	06223042
HC-ENG	TCE/WHK	*
SEQN-	134425	
FROM	CDM	
JREF-	1SZ0215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ORFIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (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 A COPY OF THIS DESIGN TO THE 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2010/160A (N.H/SKT) ASTM A653 GRADE 40/60 (N. K/H.S) GALV. STEEL. APPLY PROTECTIVE COATING TO ALL EXPOSED SURFACES. UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE REFERRED TO TPI FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567