

DATE 05/14/2008

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027008

APPLICANT MARY ANN CRAWFORD PHONE 752-5152
ADDRESS 853 SW SISTERS WELCOME RD LAKE CITY FL 32025
OWNER RICHARD STOINOFF PHONE
ADDRESS 14669 SW TUSTENUGGEE AVE FT. WHITE FL 32038
CONTRACTOR STANLEY CRAWFORD CONSTRUCTION PHONE 752-5152
LOCATION OF PROPERTY 41S, TR ON TUSKENUGGEE RD, 2ND ON LEFT AFTER CR 18

TYPE DEVELOPMENT GARAGE ADDITION ESTIMATED COST OF CONSTRUCTION 70000.00
HEATED FLOOR AREA 1200.00 TOTAL AREA 3100.00 HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING A-3 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 30-6S-17-09807-101 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES

RG0042896
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 08-373 BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 227

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 \$ 350.00 CERTIFICATION FEE \$ 15.50 SURCHARGE FEE \$ 15.50
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 456.00
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."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

This instrument was Prepared By:
Stanley Crawford Construction, Inc.
853 S.W. Sisters Welcome Rd.
Lake City, Florida 32025

Inst:200812009412 Date:5/14/2008 Time:2:55 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B:1150 P:1032

PERMIT NO. _____

TAX I _____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

The undersigned hereby gives notice that improvement will be made to certain real Property, and in accordance with Chapter 713, Florida Statutes, the following information Is provided in this Notice of Commencement.

1. Description of property: Lot 2, The Meadows of Tuskenoogee
14669 S.W. Tustenuggee Ave.
Fort White, FL 32038-8103✓

2. General description of improvement: Garage Addition

3. Owner information:

Name and address: Richard and Nancy Stoinoff
14669 S.W. Tustenuggee Ave.
Fort White, FL ~~32038~~-8103

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other
Than owner): NONE

Contractor: Stanley Crawford Construction, Inc.
853 S.W. Sisters Welcome Rd.
Lake City, FL 32025

5. Surety N/A

a. Name and address:
b. Amount of bond:

6. Lender: N/A

7. Persons within the State of Florida designated by Owner upon whom notices
Or other documents may be served as provided by Section 713.13 (1) (a) 7.,
Florida Statutes : NONE

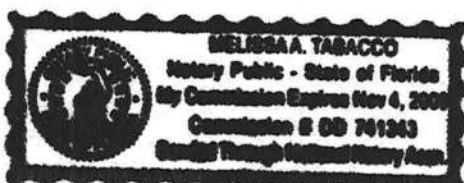
8. In addition to himself, Owner designates _____
_____ to receive a copy of the Lienor's
Notice as provided in section 713.13 (1) (b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from
The date of recording unless a different date is specified).

Richard W. Stoinoff
Nancy C. Stoinoff

The foregoing instrument was acknowledged before me this 6 day of
May, 2008, by Melissa Tabacco
who are personally known to me and who did not take an oath.

Notary Public
My Commission Expires: 11/4/09



Columbia County Building Permit Application

For Office Use Only Application # 0805-43 Date Received 5/7/08 By G Permit # 27008
 Zoning Official BZK Date 14.05.08 Flood Zone X FEMA Map # N/A Zoning A-3
 Land Use A-3 Elevation N/A MFE N/A River N/A Plans Examiner DK JH Date 5-12-08
 Comments
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. _____ Fax (386) 755-2165
 Name Authorized Person Signing Permit Mary Ann Crawford Phone (386) 752-5152
 Address 853 S.W. Sisters Welcome Rd. Lake City, FL 32025
 Owners Name Richard & Nancy Steinoff Phone _____
 911 Address 14669 S.W. Tuskenuggee Ave. Ft. White, FL 32038-8103
 Contractors Name Stanley Crawford Construction, Inc. Phone (386) 752-5152
 Address 853 S.W. Sisters Welcome Rd. Lake City, FL 32025

Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Mark Disnuby P.O. Box 868 Lake City, FL 32056
 Mortgage Lenders Name & Address N/A

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

Property ID Number 30-65-17-09807-101 Estimated Cost of Construction \$ 70,000.00
 Subdivision Name The Meadows of Tuskenoogie Lot 2 Block _____ Unit _____ Phase _____
 Driving Directions Take Highway 41 South, Turn right on Tuskenoogie Rd.;
Second on left after CR 18.

Number of Existing Dwellings on Property 1
 Construction of Garage Addition Total Acreage 5 Lot Size 5 acres
 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive * Total Building Height 14'
 * Actual Distance of Structure from Property Lines - Front 224.9 Side 69.9 Side 90' Rear 475'
 * Number of Stories 1 * Heated Floor Area 1200 sq.ft. Total Floor Area 3100 sq.ft. * Roof Pitch 6/12

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

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

OWNERS CERTIFICATION: 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Richard Steinoff
Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

Mary A. Capps
Contractor's Signature (Permitee)

Contractor's License Number RG-0042896
Columbia County
Competency Card Number 5627

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 7th day of May 2008.
Personally known ☒ or Produced Identification _____

Janet L. Cheek
State of Florida Notary Signature (For the Contractor)

SEAL:



Columbia County Property Appraiser

DB Last Updated: 4/15/2008

2008 Proposed Values

[Tax Record](#)
[Property Card](#)
[Interactive GIS Map](#)
[Print](#)

Parcel: 30-6S-17-09807-101

Owner & Property Info

Owner's Name	STOINOFF RICHARD W & NANCY C		
Site Address	SW TUSTENUGGEE		
Mailing Address	3540 NORTH 34TH AVE HOLLYWOOD, FL 33021		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	29617.01	Tax District	3
UD Codes	MKTA02	Market Area	02
Total Land Area	5.140 ACRES		
Description	LOT 2 THE MEADOWS OF TUSKENOOGEE. 863-2123 WD 1139-2101		

Search Result: 1 of 1

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$50,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$258,914.00
XFOB Value	cnt: (3)	\$28,285.00
Total Appraised Value		\$337,199.00

Just Value	\$337,199.00
Class Value	\$0.00
Assessed Value	\$337,199.00
Exempt Value	\$0.00
Total Taxable Value	\$337,199.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
12/27/2007	1139/2101	WD	I	Q		\$435,000.00
8/7/1998	863/2123	WD	V	Q		\$53,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2001	Above Avg. (10)	3425	4748	\$258,914.00

Note: All S.F. calculations are based on exterior building dimensions.

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	2001	\$9,858.00	3286.000	0 x 0 x 0	(.00)
0280	POOL R/CON	2001	\$18,252.00	780.000	20 x 39 x 0	(.00)
0120	CLFENCE 4	2001	\$175.00	70.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 LT - (5.140AC)	1.00/1.00/1.00/1.00	\$50,000.00	\$50,000.00

LOT 2 THE MEADOWS OF
TUSKENOOGEE, 863-2123
WD 1139-2101

STOINOFF RICHARD W & NANCY C 30-6S-17-09807-101
3540 NORTH 34TH AVE
HOLLYWOOD, FL 33021

PRINTED 4/15/2008 15:21
APPR 4/07/2004 TW

Columbia County 2008 R
CARD 001 OF 001
BY JEFF

BUSE 000100 SINGLE FAM	AE? Y	3425 HTD AREA	135.257 INDEX	29617.01 MEADS TUSK	PUSE 000100 SINGLE FAMILY
MOD 1 SFR	3.00	3993 EFF AREA	68.981 E-RATE	100.000 INDX	STR 29-6S-17E
EXW 10 ABOVE AVG.		275441 RCN			MKT AREA 02
% 0000000000		94.00 %GOOD	258,914 B BLDG VAL	2001 AYB	(PUD1
RSTR 08 IRREGULAR				2001 EYB	AC 5.140
RCVR 03 COMP SHNGL					NTCD
% N/A					APPR CD
INTW 05 DRYWALL					CNDO
% N/A					SUBD
FLO 14 CARPET					BLK
40% 15 HARDTILE					LOT
HTTP 04 AIR DUCTED					MAP#
A/C 03 CENTRAL					TXDT 003
QUAL 07 07					
FNDN N/A					
SIZE 04 IRREGULAR					
CELL N/A					
ARCH N/A					
FRME 02 WOOD FRAME					
KTCH 01 01					
WNDO N/A					
CLAS N/A					
OCC N/A					
COND 03 03					
SUB A-AREA % E-AREA					
BAS01 3425 100					
POP01 639 30					
FGR01 684 55					

BLDG TRAVERSE

BAS2001=W39 FOP2001=W8 S24 W32S8 /E3 N3/ E	
6 /S3 E3/ E28 N32S32 W28 /W3 N3/ W6 /S3 W	
3 /S3E14 FOP2001=S2 E22 N7 W22 S5\$ N5 E22	
S5 E13 N11 E18 N31 E4 FGR2001=E31 N28 W2	
3 S23 W8 S5\$N5 E8 N23\$.	

NUMBER	DESC	AMT	ISSUED
18035	POOL	125	3/09/2001
17788	SFR	572	1/02/2001

BOOK	PAGE	DATE	PRICE
1139	2101	12/27/2007	Q I
GRANTOR CUTCHIN			
GRANTOR RICHARD W & NANCY STOINOFF			
863 2123 8/07/1998 Q V			
GRANTOR A BAR S LAND & CATTLE COMP			
53000			
GRANTOR CUTCHIN			

TOTAL	4748	3993	258914	
AE BN	CODE	DESC	LEN	WID
Y	0166	CONC, PAVMT	20	39
Y	0280	POOL R/CON		
Y	0120	CLFENCE	4	
LAND	DESC	ZONE	ROAD	UD1
AE CODE	TOPO	UTL	UD2	UD3
Y 000100 SFR	A-1	0002		UD4
2008	0002	0003		

FIELD CK:

UNITS UT	PRICE	ADJ UT PR	SPCD %	%GOOD	XFOB VALUE
3.000	3.000	3.000		100.00	9,858
36.000	36.000			65.00	18,252
2.500	2.500			100.00	175

ADJUSTMENTS

UNITS UT	PRICE	ADJ UT PR	LAND VALUE
1.000	50000.000	50000.00	50,000

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	SCCI- Stoinoff addition	Builder:	Stanley Crawford
Address:		Permitting Office:	Columbia
City, State:		Permit Number:	27008
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	Addition	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr SEER: 15.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	1	c. N/A	
5. Is this a worst case?	Yes	13. Heating systems	
6. Conditioned floor area (ft ²)	1200 ft ²	a. Electric Heat Pump	Cap: 22.0 kBtu/hr HSPF: 8.00
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT) 7a. (Dble Default)	60.0 ft ²	14. Hot water systems	
b. SHGC:		a. Electric Resistance	Cap: 40.0 gallons EF: 0.92
(or Clear or Tint DEFAULT) 7b. (Clear)	60.0 ft ²	b. N/A	
8. Floor types		c. Conservation credits	
a. Slab-On-Grade Edge Insulation	R=0.0, 110.0(p) ft	(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
9. Wall types			
a. Concrete, Int Insul, Exterior	R=20.0, 540.0 ft ²		
b. Frame, Wood, Adjacent	R=13.0, 280.0 ft ²		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=19.0, 1250.0 ft ²		
b. Under Attic	R=19.0, 50.0 ft ²		
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 88.0 ft		
b. N/A			

Glass/Floor Area: 0.05 Total as-built points: 9394
Total base points: 13228

PASS

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

PREPARED BY: Seacoast Insulators

DATE: 5-1-08

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.
EnergyGauge® (Version: FLRCSB v4.5)

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or 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 air 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 Multiplier
1		2635.00	2635.0	40.0	0.92	1		1.00	2635.00 1.00 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
5001		5592	2635 13228	2947		3813	2635 9394

PASS



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	1200.0	20.17	4357.0	1. Double, Clear	NW	2.0	5.0	30.0	24.30	1.01	735.0
				2. Double, Clear	NE	2.0	5.0	30.0	23.57	1.02	719.0
				As-Built Total:				60.0	1454.0		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	280.0	3.60	1008.0	1. Concrete, Int Insul, Exterior	20.0		540.0	1.81	979.7		
Exterior	540.0	3.70	1998.0	2. Frame, Wood, Adjacent	13.0		280.0	3.30	924.0		
Base Total:				820.0		3006.0		As-Built Total: 820.0 1903.7			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0								
Exterior	0.0	0.00	0.0								
Base Total:				0.0		0.0		As-Built Total: 0.0 0.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1200.0	2.05	2460.0	1. Under Attic	19.0		1250.0	2.70 X 1.00	3375.0		
				2. Under Attic	19.0		50.0	2.70 X 1.00	135.0		
Base Total:				1200.0		2460.0		As-Built Total: 1300.0 3510.0			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	110.0(p)	8.9	979.0	1. Slab-On-Grade Edge Insulation	0.0		110.0(p)	18.80	2068.0		
Raised	0.0	0.00	0.0								
Base Total:				979.0		110.0		As-Built Total: 2068.0			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1200.0 -0.59 -708.0				1200.0 -0.59 -708.0							
Winter Base Points: 10094.0				Winter As-Built Points: 8227.7							
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points							
				(System - Points) (DM x DSM x AHU)							
				(sys 1: Electric Heat Pump 22000 btuh ,EFF(8.0) Ducts:Con(S),Con(R),Int(AH),R6.0							
				8227.7 1.000 (1.000 x 1.169 x 0.93) 0.426 1.000 3812.8							
10094.0 0.5540 5592.1				8227.7 1.00 1.087 0.426 1.000 3812.8							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1200.0	18.59	4015.0	1.Double, Clear	NW	2.0	5.0	30.0	25.97	0.84	651.0
				2.Double, Clear	NE	2.0	5.0	30.0	29.56	0.82	726.0
				As-Built Total:			60.0			1377.0	
WALL TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	280.0	0.70	196.0	1. Concrete, Int Insul, Exterior	20.0		540.0 0.19 100.3				
Exterior	540.0	1.70	918.0	2. Frame, Wood, Adjacent	13.0		280.0 0.60 168.0				
Base Total:				As-Built Total:			820.0 268.3				
DOOR TYPES											
Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0								
Exterior	0.0	0.00	0.0								
Base Total:				As-Built Total:			0.0 0.0				
CEILING TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1200.0	1.73	2076.0	1. Under Attic	19.0		1250.0 2.34 X 1.00 2925.0				
				2. Under Attic	19.0		50.0 2.34 X 1.00 117.0				
Base Total:				As-Built Total:			1300.0 3042.0				
FLOOR TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	110.0(p)	-37.0	-4070.0	1. Slab-On-Grade Edge Insulation	0.0		110.0(p) -41.20 -4532.0				
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:			110.0 -4532.0				
INFILTRATION											
Area X BSPM = Points						Area X SPM = Points					
1200.0 10.21 12252.0						1200.0 10.21 12252.0					
Summer Base Points: 15387.0				Summer As-Built Points: 12407.3							
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)							
15387.0 0.3250 5000.8				(sys 1: Central Unit 24000btuh ,SEER/EFF(15.0) Ducts:Con(S),Con(R),Int(AH),R6.0(INS) 12407 1.00 (1.00 x 1.147 x 0.91) 0.228 1.000 2946.6 12407.3 1.00 1.044 0.228 1.000 2946.6							

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 90.0

The higher the score, the more efficient the home.

1. New construction or existing	Addition	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 15.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1200 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: 22.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 60.0 ft ²		HSPF: 8.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 60.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 110.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.92
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Concrete, Int Insul, Exterior	R=20.0, 540.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 280.0 ft ²	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=19.0, 1250.0 ft ²	MZ-C-Multizone cooling,	
b. Under Attic	R=19.0, 50.0 ft ²	MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 88.0 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: FLRCSB v4.5)

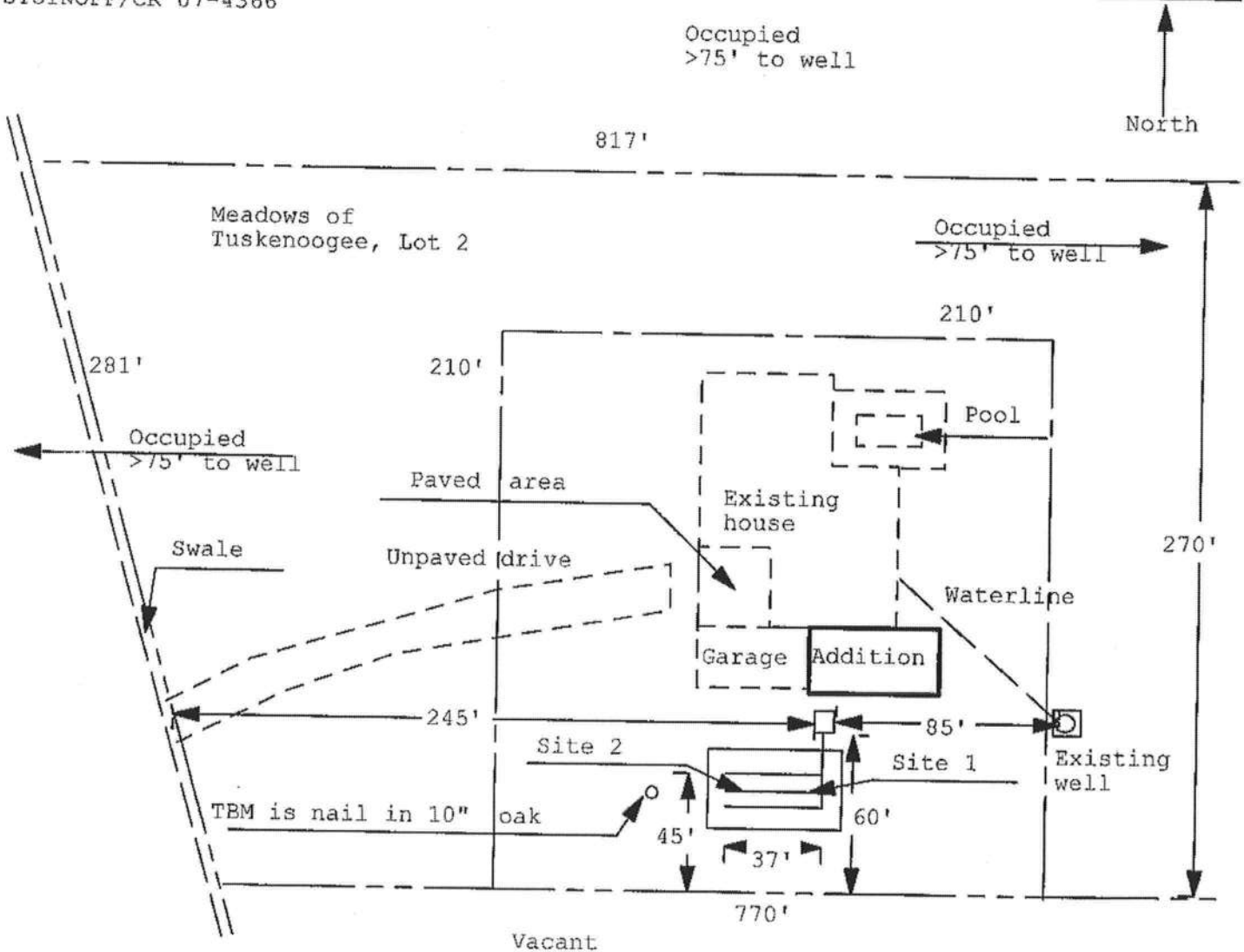
227

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

Permit Application Number: 08-0873

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

STOINOFF/CR 07-4366



1 inch = 60 feet

Site Plan Submitted By Paul D. [Signature] Date 4/23/08
Plan Approved ☒ Not Approved ☐ Date 5/13/08

By Mr. A. [Signature] C. [Signature] CPHU

Notes:



Architectural Testing

**AAMA/WDMA 101/L.S. 2-97
TEST REPORT**

Rendered to:

JORDAN COMPANIES**SERIES/MODEL: 8500
TYPE: PVC Single Hung Window**

Title of Test	Results
AAMA/WDMA Rating	H-R40 (44 x 84)
Uniform Load Deflection Test Pressure	± 40.0 psf
Operating Force	10 lbs max.
Air Infiltration	0.21 cfm/ft ²
Water Resistance Test Pressure	6.00 psf
Uniform Load Structural Test Pressure	± 60.0 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to full report for test specimen description and data.

Report No: 02-48976.02
Report Date: 02-26-04
Expiration Date: 02-25-08



AAMA/WDMA 101/LS-2-97 TEST REPORT

Rendered to:

JORDAN COMPANIES
P.O. Box 18377
Memphis, Tennessee 38118

Report No: 02-48976.02
Test Date: 02/25/04
Report Date: 02/26/04
Expiration Date: 02/25/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Jordan Companies to perform tests on a Jordan Companies Series 8500 Single Hung Window. The sample tested successfully met the performance requirements for a H-R40 44 x 84 rating. Test specimen description and results are reported herein.

Test Procedure: The test specimen was evaluated in accordance with AAMA/NWDMA 101/LS-2-97, *"Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors."*

Test Specimen Description:

Series/Model: 8500

Type: PVC Single Hung Window

Overall Size: 3' 8" wide by 7' 0" high

Sash Size: 3' 4-3/8" wide by 2' 5" high

Fixed D.L.O. Size: 3' 4-3/4" wide by 4' 5" high

Screen Size: 3' 4-3/4" wide by 2' 4-1/4" high

Finish: All PVC was white

Test Specimen Description: (Continued)

Glazing Type: The window utilized nominal 3/4" insulating glass comprised of two single-strength annealed sheets in the operating sash and two double-strength sheets in the fixed lite and a desiccant-filled metal spacer system. The glass for the fixed area was set from the interior into a bed of silicone sealant with PVC stops used on the interior. The sash was glazed from the exterior into a bed of silicone sealant with PVC stops used on the exterior.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.260" high by 0.187" backed pile with center fin	1 Row	Sash top and bottom rails
0.260" high by 0.187" backed pile with center fin	2 Rows	Sash stiles

Frame Construction: Frame corners were miter-cut and welded. Aluminum reinforcement was utilized in the fixed meeting rail (Jordan part number H-2447).

Sash Construction: Sash corners were miter-cut and welded. Aluminum reinforcement was utilized in the top rail (Jordan part number H-2448).

Hardware:

Metal cam locks with keepers	2	6" from ends and meeting rail
Plastic tilt latches	2	Sash top rail corners
Metal tilt pins	2	Sash bottom rail corners
Block-and-tackle balances	2	One per jamb

Drainage:

3/16" by 5/8" slots	2	1-3/4" from ends in sill pocket to hollow below
1/8" by 1/2" slots	4	1-3/4" and 2" from each end through sill exterior face

Installation: The unit was installed into a Grade 2 SPF 2" by 8" wood test buck secured through the flange with 1-5/8" screws spaced 4" from corners and 8" on center. The rail fin was sealed to the buck with silicone.

Test Results: The results are tabulated as follows.

<u>Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force		
	Force to initiate motion	10 lbs	30 lbs max.
	Force to keep in motion	8 lbs	30 lbs max.
2.1.2	Air Infiltration per ASTM E 283-97 (See Note #1) @ 1.57 psf (25 mph)	0.21 cfm/ft ²	0.30 cfm/ft ²

Note #1: The tested specimen meets the performance levels specified in AAMA/WDMA 101/I.S.2-97 for air infiltration.

2.1.3	Water Resistance per ASTM 547-97 (See Note #2)		
2.1.4.1	Uniform Load Deflection per ASTM E 330-97 (See Note #2)		
2.1.4.2	Uniform Load Structural per ASTM E 330-97 (See Note #2)		

Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance."

2.2.1.6.2	Deglazing Test per ASTM E 987		
	In operating direction @ 70 lbs		
	Top rail	0.04"/8%	0.500"/100%
	Bottom rail	0.06"/12%	0.500"/100%
	In remaining direction @ 50 lbs		
	Left stile	0.04"/8%	0.500"/100%
	Right stile	0.03"/6%	0.500"/100%
2.1.7	Corner Weld Test	Meets as stated	Meets as stated
2.1.8	Forced Entry Resistance per ASTM F 588-97		
	Type A		
	Grade 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
<u>Optional Performance:</u>			
4.3	Water Resistance per ASTM E 547-97 WTP = 6.00 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330-97 (See Note #3) (Measurements reported were taken on the meeting rail) (Loads were held for 60 seconds)		
	@ 40.0 psf (positive)	0.45"	(See Note #3)
	@ 40.0 psf (negative)	0.52"	(See Note #3)
4.4.2	Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 60.0 psf (positive)	0.03"	0.16" max.
	@ 60.0 psf (negative)	0.03"	0.16" max.

Note #3: The Uniform Load Deflection test is not a AAMA/NWWDA 101/I.S. 2-97 requirement for this product designation. The data is recorded in this report for information only.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced except in full without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.

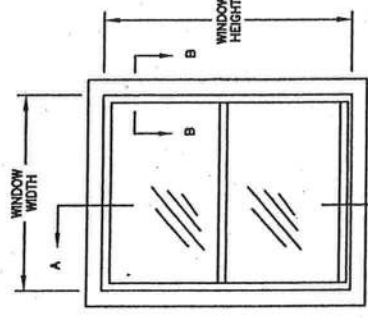
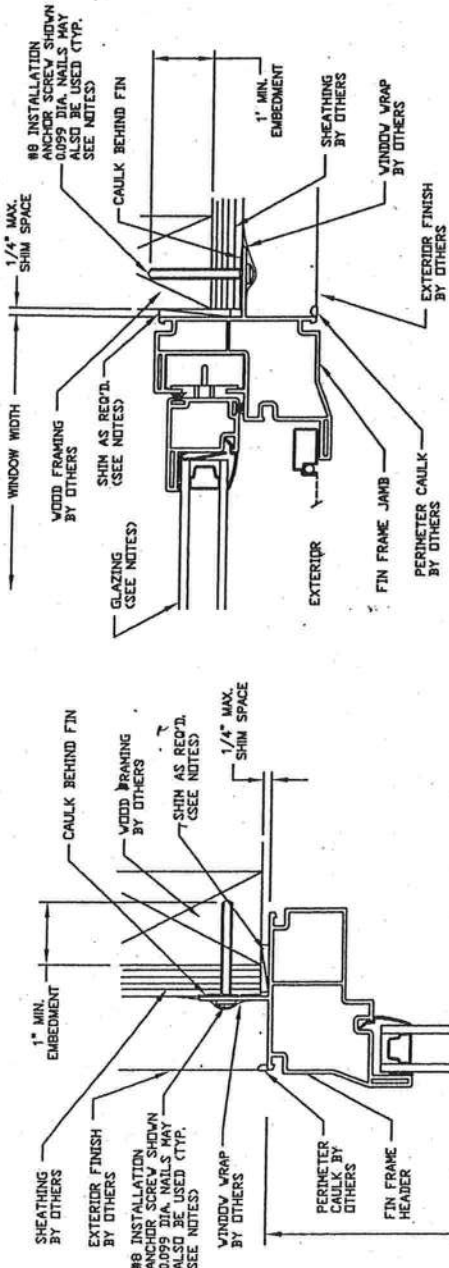

Digitally Signed by: Paul L. Spiess

Paul L. Spiess
Project Manager

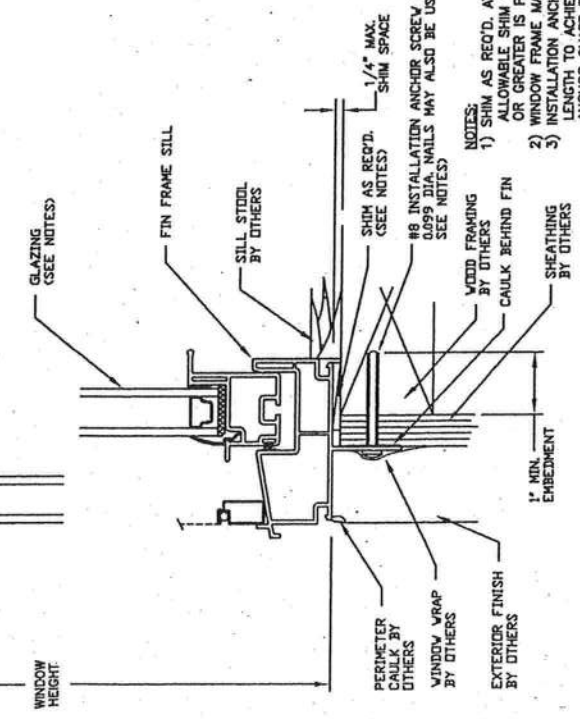

Digitally Signed by: Daniel A. Johnson

Daniel A. Johnson
Regional Manager

8500 SH 13783 R2 1385.3 slider 13843



ELEVATION
VIEWED FROM EXTERIOR



SECTION A-A

- NOTES:
- 1) SHIM AS REQ'D. AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. MAX. ALLOWABLE SHIM STACK TO BE 1/4". APPLY SHIM WHERE SPACE OF 1/16" OR GREATER IS PRESENT.
 - 2) WINDOW FRAME MATERIAL: POLYVINYL CHLORIDE
 - 3) INSTALLATION ANCHORS, #8 SCREW & .089 DIA. NAILS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD FRAME. USE INSTALLATION ANCHOR CHART FOR NUMBER OF ANCHORS REQ'D.
 - 4) IF EXACT WINDOW SIZE IS NOT LISTED USE NEXT LARGER SIZE IN THE INSTALLATION CHART FOR NUMBER OF ANCHORS REQ'D.
 - 5) USE CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW FRAME.
 - 6) GLASS THICKNESS MAY VARY PER REQUIREMENTS OF ASTM E1300.
 - 7) INSTALLATION AS STATED HEREIN COMPLIES WITH THE FLORIDA BUILDING CODE AT THE DESIGN PRESSURES INDICATED ON THE COMPARATIVE ANALYSIS & ANCHOR CHART.

COMPARATIVE ANALYSIS & ANCHOR CHART					
WINDOW SIZE (INCHES)	DESIGN PRESSURE CAPACITY IN PSF		NL OF #8 SCREWS REQ'D. IN FRAME		NL OF .0090 DIA. NAILS REQ'D. IN FRAME
	EXTERIOR	INTERIOR	HEAD & SILL	EA JAMB	
23-5/8 X 35-5/8	40	120	2	3	5
23-5/8 X 43-5/8	40	106	2	3	3
23-5/8 X 51-5/8	40	98	2	3	6
23-5/8 X 59-5/8	40	80	2	3	6
23-5/8 X 67-5/8	40	66	2	4	7
23-5/8 X 71-5/8	40	56	2	4	7
23-5/8 X 81	40	40	2	4	7
27-5/8 X 35-5/8	40	98	2	3	6
27-5/8 X 43-5/8	40	81	2	3	6
27-5/8 X 51-5/8	40	86	2	3	6
27-5/8 X 59-5/8	40	81	2	3	6
27-5/8 X 67-5/8	40	71	2	4	7
27-5/8 X 71-5/8	40	60	2	4	7
27-5/8 X 81	40	53	2	4	7
29-5/8 X 35-5/8	40	80	2	3	4
29-5/8 X 43-5/8	40	80	2	3	6
29-5/8 X 51-5/8	40	81	2	3	6
29-5/8 X 59-5/8	40	75	2	3	6
29-5/8 X 67-5/8	40	67	2	4	7
29-5/8 X 71-5/8	40	56	2	4	7
29-5/8 X 81	40	50	2	4	7
31-5/8 X 35-5/8	40	83	2	3	4
31-5/8 X 43-5/8	40	79	2	3	5
31-5/8 X 51-5/8	40	75	2	3	6
31-5/8 X 59-5/8	40	71	2	3	6
31-5/8 X 67-5/8	40	63	2	4	7
31-5/8 X 71-5/8	40	53	2	4	7
31-5/8 X 81	40	47	2	4	7
35-5/8 X 35-5/8	40	70	3	3	4
35-5/8 X 43-5/8	40	69	3	3	4
35-5/8 X 51-5/8	40	67	3	3	4
35-5/8 X 59-5/8	40	61	3	3	6
35-5/8 X 67-5/8	40	58	3	4	7
35-5/8 X 71-5/8	40	46	3	4	7
35-5/8 X 81	40	42	3	4	7
39-5/8 X 35-5/8	40	81	3	3	4
39-5/8 X 43-5/8	40	80	3	3	4
39-5/8 X 51-5/8	40	56	3	3	4
39-5/8 X 59-5/8	40	51	3	4	5
39-5/8 X 67-5/8	40	43	3	4	7
39-5/8 X 71-5/8	40	40	3	4	7
39-5/8 X 81	40	33	3	4	7
43-5/8 X 35-5/8	40	53	3	3	4
43-5/8 X 43-5/8	40	52	3	3	4
43-5/8 X 51-5/8	40	51	3	3	4
43-5/8 X 59-5/8	40	49	3	3	4
43-5/8 X 67-5/8	40	45	3	4	5
43-5/8 X 71-5/8	40	40	3	4	6
43-5/8 X 81	40	40	3	4	6
44 X 35-5/8	49	52	3	3	4
44 X 43-5/8	40	51	3	3	4
44 X 51-5/8	40	50	3	3	4
44 X 59-5/8	40	48	3	3	4
44 X 67-5/8	40	44	3	4	5
44 X 71-5/8	40	40	3	4	6
44 X 81	40	40	3	4	7



P.O. BOX 18377
MEMPHIS, TN 38118
PHONE (901) 360-5121

DESCRIPTION: SERIES 8500 SINGLE HUNG
INSTALLATION DETAIL

DATE: 6/21/02 FILE NAME: JRDN0025 DRAWN BY: BB

REV	DESCRIPTION	DATE
A	REVISED DP CAPACITIES & ANCHOR QNTYS.	08-03-02

FLORIDA DEPARTMENT OF Community Affairs



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Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#)

Search Criteria

Code Version	2004	FL#	ALL
Application Type	ALL	Product Manufacturer	Elk Corpor.
Category	Roofing	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL

Search Results - Applications

FL#	Type	Manufacturer	Validated By
FL586-R2 History	Revision	Elk Corporation Category: Roofing Subcategory: Asphalt Shingles	
FL728-R1 History	Revision	Elk Corporation Category: Roofing Subcategory: Asphalt Shingles	
FL1476-R2 History	Revision	Elk Corporation Category: Roofing Subcategory: Asphalt Shingles	
FL2143-R2 History	Revision	Elk Corporation Category: Roofing Subcategory: Asphalt Shingles	
FL3453-R1 History	Revision	Elk Corporation Category: Roofing Subcategory: Underlayments	
FL3461-R2 History	Revision	Elk Corporation Category: Roofing Subcategory: Underlayments	PRI Asphalt Technologies, Inc (813) 621-5777
FL5178	New	Elk Corporation Category: Roofing Subcategory: Other	
FL5511-R1 History	Revision	Elk Corporation Category: Roofing Subcategory: Underlayments	
FL5524	New	Elk Corporation Category: Roofing Subcategory: Asphalt Shingles	
FL5683	New	Elk Corporation Category: Roofing Subcategory: Asphalt Shingles	
FL5783	New	Elk Corporation Category: Roofing	PRI Asphalt Technologies, Inc (813) 621-5777


ELK

ROOFING AND SIDING WITH OVER 100 YEARS OF EXPERIENCE


**PRESTIQUE®
HIGH DEFINITION®**

RAISED PROFILE®
**Prestique Plus High Definition
and Prestique Gallery Collection¹**

 Product size 13⅝" x 39⅝"
 Exposure 5⅞"
 Pieces/Bundle 18
 Bundles/Square 4/98.5 sq.ft.
 Squares/Pallet 11

 50-year limited warranty period:
 5-7 years non-prorated coverage for
 shingles and application labor with
 prorated coverage for remainder of
 limited warranty period, plus an
 option for transferability*. 5-year
 limited wind warranty*. Wind
 Coverage: standard 80 mph, extended
 110 mph***

Raised Profile

 Product size 13⅝" x 39⅝"
 Exposure 5⅞"
 Pieces/Bundle 22
 Bundles/Square 2/100 sq.ft.
 Squares/Pallet 18

 20-year limited warranty period:
 5-7 years non-prorated coverage for
 shingles and application labor with
 prorated coverage for remainder of
 limited warranty period, plus an
 option for transferability*. 5-year
 limited wind warranty*. Wind
 Coverage: standard 70 mph.

Prestique I High Definition

 Product size 13⅝" x 39⅝"
 Exposure 5⅞"
 Pieces/Bundle 18
 Bundles/Square 4/98.5 sq.ft.
 Squares/Pallet 14

 40-year limited warranty period:
 5-7 years non-prorated coverage for
 shingles and application labor with
 prorated coverage for remainder of
 limited warranty period, plus an
 option for transferability*. 5-year
 limited wind warranty*. Wind
 Coverage: standard 80 mph, extended
 90 mph***

HIP AND RIDGE SHINGLES
Seal-A-Ridge® w/FLX™

 Size: 12" x 12"
 Exposure: 6⅞"
 Pieces/Bundle: 45
 Coverage: 4 Bundles =
 100 linear feet

Vented RidgeCrest™ w/FLX™

 Size: 13" x 13"
 Exposure: 9 1/4"
 Pieces/Box: 28
 Coverage: 5 boxes =
 100 linear feet

Prestique High Definition

 Product size 13⅝" x 39⅝"
 Exposure 5⅞"
 Pieces/Bundle 22
 Bundles/Square 2/100 sq.ft.
 Squares/Pallet 16

 30-year limited warranty period:
 5-7 years non-prorated coverage for
 shingles and application labor with
 prorated coverage for remainder of
 limited warranty period, plus an
 option for transferability*. 5-year
 limited wind warranty*. Wind
 Coverage: standard 80 mph.

Elk Starter Strip

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

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

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

Check for availability with built-in StainGuard™ treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae.

All Prestique and Raised Profile shingles meet UL: Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3918, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

**See actual limited warranty for conditions and limitations.

***Effective January 1, 2004, the seven year non-prorated Unlimited Storage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for each product. A full Elk Roof System includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all eaves and gable edges, no Elk ventilation system, and Elk All-Climate Sub-Adhesive Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhesive Underlayment is required along the eaves and gable edges of the roof in and north of the states of VA, KY, MD, KS, CO, UT, WY, & NM.

****For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 100 mph for Prestique I or Grand, all fasteners (nails) properly placed MUST and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

SPECIFICATIONS

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

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

Preparation of Roof Deck: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.52mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.07mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

Materials: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater; apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For Low slopes (4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)), use two pieces of underlayment overlapped a minimum of 18". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

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

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

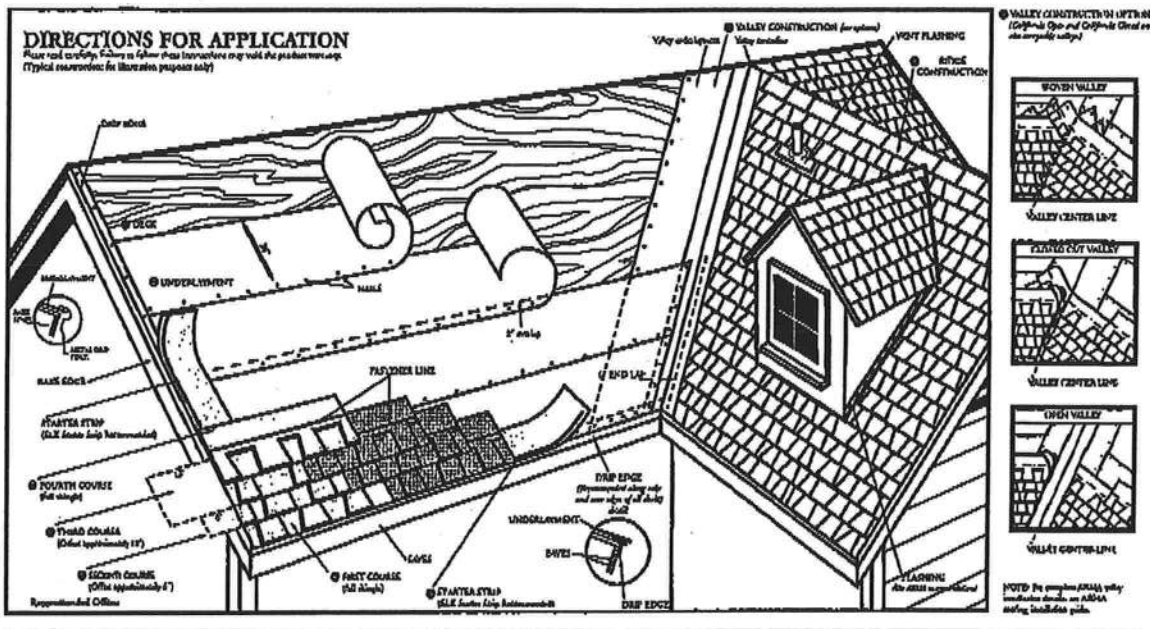
For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

 SOUTHEAST &
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 CORPORATE HEADQUARTERS:
 800.354.7732

 PLANT LOCATION:
 800.945.5545

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DIRECTIONS FOR APPLICATION

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

① DECK PREPARATION

Foot decks should be dry, well-seasoned 1"x6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

⑤ UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt, Elk Vertexshield® or self adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 1". Begin by fastening a 1" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

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

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 30 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

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

Consult the EK Technical Services Department for application specifications over other decks and other slopes.

STARTER SINGLE COURSE

USE AN ELK STARTER STRIP OR THE HEADLAP OF A STRIP SHINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 5" (127mm) from the end of the first shingle, start at the rake edge overlapping the eave and rake edges 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

① FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof.

② SECOND COURSE

Offset the second course of shingles with respect to the first by approximately 6". Other offsets are approved if greater than 4".

© THIRD COURSE

Offset the next course by 6" with respect to the second course, or consistent with the original offset.

④ FOURTH COUNSEL

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Gaffers may be adjusted around valleys and penetrations.

VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 5" of valley center.

④ RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z[®]Ridge or Seal-A-Ridge[®] with formula FLX[®] or RidgeCrest[®] with FLX (See ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

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

Using the fastener line as a reference, nail or staple the shingle in the double thickness corner head area. For shingles without a fastener line, nails or staples must be placed between end/or in the spandrel area.

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

STAPLES: Corrosive resistant, 16-gauge minimum, crown width

minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent soaking.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANEASRD APPLICATIONS

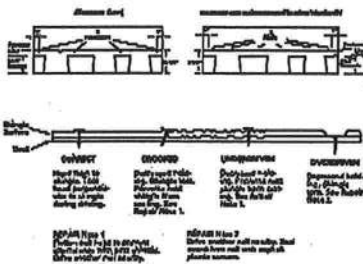
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 2 1/2") use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

- For a Limited Wind Warranty up to 90 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 4 properly placed fasteners, or in the case of weanward applications, 5 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed nails per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edge to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.

HELP STOP BLOW-OFFS AND CALL-BACKS

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

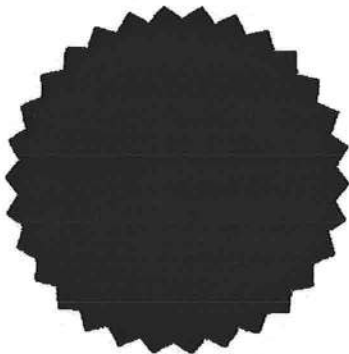


Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified. All Prestique and Raingo Profile shingles have a U.L.B. Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

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

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NAMI NOTICE OF PRODUCT LINE CERTIFICATION



Certification No.: NI006110-Page 1

Date: 07/23/05

Revision Date: _____

Certification Program: Structural

Company: Masonite International

Code: M-703-1

The "Notice of Product Line Certification" is valid only when Administrator's Seal is applied to the upper left hand portion of this form and a certification label is applied to the product. This certification seal represents product conformity to the applicable specification and that all certification criteria has been satisfied.

The products and systems listed below are approved for listing in the Directory of Certified Products at www.NAMICertification.com. Please review, and advise NAMI immediately if data, as shown requires corrections.

Company: **Masonite International Corporation**
1955 Powis Road
West Chicago, IL 60185

Product Line: **Masonite Wood-Edge Steel Side-Hinged Door Units**

Test Report: **NCTL-210-2929-1/210-2930-1/210-2930-7/210-2930-7/210-3121-1/
210-3123-1/210-3125-1/CTLA-919W**

Section 1: General Description of the Products and Systems under this Certification

- 1.1 **Frame:** The frame jambs consist of finger jointed pine with all corners coped, butted, and sealed using three 2" long wire staples (.04375").
- 1.2 **Mullion Construction:** Where used, each mullion constructed of laminated lumber with a pine cap and attached to the header and threshold with three #10 x 3" Philips Flat Head Wood Screws.
- 1.3 **Glazing:** Where used, the overall insulated glass was glazed into a rigid plastic lip-lite frame. Consisted of symmetric monolithic insulated glass with 3mm (0.118) tempered glass.
- 1.4 **Door Leaf Construction:** Each door leaf was constructed from 0.017" (6'8" height) or 0.020" (8'0" height) thick galvanized steel facings.

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TEL(757) 594.8658 FAX(757)594-8659

Section 2: Registered Suppliers

- | | | |
|------------|--------------------|----------------------------------|
| 2.1 | Door Lites: | ODL, Specialty or Trinity |
| 2.2 | Astragal: | Endura Ultimate |

Section 3: Additional Supportive Test or Acceptance Data Provided with Certification Documentation included:

- 3.1** **Miami-Dade Building Code Compliance Notice of Acceptance for Lite Frame Material, NOA#02-0429.11; #02-1216.06 and #03-0303.07.**
- 3.2** **Surface Burning Characteristics for Foam Filled Door performed by Omega Point Laboratories to ASTM E84-98, "Standard Test Method for Surface Burning Characteristics of Building Materials-Report No. 15977-104313.**
- 3.3** **ASTM E1300 Glass Load Resistance Report provided by National Certified Testing Laboratories NCTL-110-9735-1.**
- 3.4** **Anchor Calculations for:
Anchor Performance Calculation Report-Performed by Harold E. Rupp, P.E. (Florida No. 15935.)**

See additional Pages of Certification for Certified Product Line Matrix(s) and Installation Details. If you have any questions regarding this certification, please contact NAMI at (757)594-8658.

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NOTICE OF PRODUCT CERTIFICATION

Company: Masonite International Corporation
1955 Powis Road
West Chicago, IL 60185

Certification No.: NI006110-Page 3
Certification Date: 07/23/2005
Expiration Date: 12/31/2008

Product: Wood-Edge Opaque Inswing or Outswing Door w/ and w/o Non-Impact Rated Sidelites (w/Wood Frame unless noted)
Specifications Tested To: PA 201-94/202-94/203-94

The "Notice of Product Certification" is only valid if the NAMI Certification Label has been applied to the product as described within this document. The certification label represents product conformity to the applicable specification and that all certification criteria has been satisfied. This product has been approved for listing within NAMI's Certified Product Listing at www.Namincertification.com. NAMI's Certification Program is accredited by The American National Standards Institute (ANSI).

Configuration	Inswing or Outswing	Glazed or Opaque	Maximum Size	Design Pressure Pos/Neg	Missile Impact Rated	Test Report Number Drawing Number & Comments
X Single	I/S	Opaque	3'0" x 6'8"	+76/-76	Yes	NCTL-210-2929-1 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0128-05
X Single	O/S	Opaque	3'0" x 6'8"	+76/-76	Yes	NCTL-210-2929-1 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0128-05
XX Double	I/S	Opaque	6'0" x 6'8"	+55/-55	Yes	NCTL-210-2930-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Installation Drawings-MA-FL0128-05
XX Double	O/S	Opaque	6'0" x 6'8"	+55/-55	Yes	NCTL-210-2930-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Installation Drawings-MA-FL0128-05
XO/OX Single w/Sidelite	I/S	Opaque Door Glazed Sidelite	6'0" x 6'8"	+55/-55	Door-Yes Sidelite-No	NCTL-210-2930-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Installation Drawings-MA-FL0128-05
XO/OX Single w/Sidelites	O/S	Opaque Door Glazed Sidelite	6'0" x 6'8"	+55/-55	Door-Yes Sidelite-No	NCTL-210-2930-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Installation Drawings-MA-FL0128-05
OXO Single w/Sidelites	I/S	Opaque Door Glazed Sidelites	9'0" x 6'8"	+55/-55	Door-Yes Sidelites-No	NCTL-210-2930-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Installation Drawings-MA-FL0128-05
OXO Single w/Sidelites	O/S	Opaque Door Glazed Sidelites	9'0" x 6'8"	+55/-55	Door-Yes Sidelites-No	NCTL-210-2930-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Installation Drawings-MA-FL0128-05
OXXO Double w/Sidelites	I/S	Opaque Doors Glazed Sidelites	12'4" x 6'8"	+55/-55	Doors-Yes Sidelites-No	NCTL-210-2930-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Installation Drawings-MA-FL0128-05
OXXO Double w/Sidelites	O/S	Opaque Doors Glazed Sidelites	12'4" x 6'8"	+55/-55	Doors-Yes Sidelites-No	NCTL-210-2930-1 Maximum Panel Size: 3'0" x 6'8"/Sidelite: 3'0" x 6'8" Installation Drawings-MA-FL0128-05

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NOTICE OF PRODUCT CERTIFICATION

Company:

Masonite International Corporation
1955 Powis Road
West Chicago, IL 60185

Certification No.: NI006110-Page 4
Certification Date: 07/23/2005
Expiration Date: 12/31/2008

Product:

Wood-Edge Steel Opaque Inswing or Outswing Door w/ and w/o Non-Impact Rated Sidelites (w/Wood Frame unless noted)
Specifications Tested To: PA201-94/202-94/203-94

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Configuration	Inswing or Outswing	Glazed or Opaque	Maximum Size	Design Pressure Pos/Neg	Missile Impact Rated	Test Report Number Drawing Number & Comments
X Single	I/S	Opaque	3'0" x 8'0"	+70/-70	Yes	NCTL-210-3121-1/CTLA919W Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0129-05
X Single	O/S	Opaque	3'0" x 8'0"	+70/-70	Yes	NCTL-210-3121-1/CTLA919W Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0129-05
XX Double	I/S	Opaque	6'0" x 8'0"	+45/-50	Yes	NCTL-210-3123-1 Maximum Panel Size: 3'0" x 8'0"/Sidelite: 3'0" x 8'0" Installation Drawings-MA-FL0129-05
XX Double	O/S	Opaque	6'0" x 8'0"	+50/-45	Yes	NCTL-210-3123-1 Maximum Panel Size: 3'0" x 8'0"/Sidelite: 3'0" x 8'0" Installation Drawings-MA-FL0129-05
XO/OX Single w/Sidelite	I/S	Opaque Door Glazed Sidelite	6'0" x 8'0"	+45/-50	Door-Yes Sidelite-No	NCTL-210-3123-1 Maximum Panel Size: 3'0" x 8'0"/Sidelite: 3'0" x 8'0" Installation Drawings-MA-FL0129-05
XO/OX Single w/Sidelites	O/S	Opaque Door Glazed Sidelite	6'0" x 8'0"	+50/-45	Door-Yes Sidelite-No	NCTL-210-3123-1 Maximum Panel Size: 3'0" x 8'0"/Sidelite: 3'0" x 8'0" Installation Drawings-MA-FL0129-05
OXO Single w/Sidelites	I/S	Opaque Door Glazed Sidelites	9'0" x 8'0"	+45/-50	Door-Yes Sidelites-No	NCTL-210-3123-1 Maximum Panel Size: 3'0" x 8'0"/Sidelite: 3'0" x 8'0" Installation Drawings-MA-FL0129-05
OXO Single w/Sidelites	O/S	Opaque Door Glazed Sidelites	9'0" x 8'0"	+50/-45	Door-Yes Sidelites-No	NCTL-210-3123-1 Maximum Panel Size: 3'0" x 8'0"/Sidelite: 3'0" x 8'0" Installation Drawings-MA-FL0129-05
OXOX Double w/Sidelites	I/S	Opaque Doors Glazed Sidelites	12'4" x 8'0"	+45/-50	Doors-Yes Sidelites-No	NCTL-210-3123-1 Maximum Panel Size: 3'0" x 8'0"/Sidelite: 3'0" x 8'0" Installation Drawings-MA-FL0129-05
OXOX Double w/Sidelites	O/S	Opaque Doors Glazed Sidelites	12'4" x 8'0"	+50/-45	Doors-Yes Sidelites-No	NCTL-210-3123-1 Maximum Panel Size: 3'0" x 8'0"/Sidelite: 3'0" x 8'0" Installation Drawings-MA-FL0129-05

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NOTICE OF PRODUCT CERTIFICATION

Company: Masonite International Corporation
1955 Powis Road
West Chicago, IL 60185

Certification No.: NI006110-Page 5
Certification Date: 07/23/2005
Expiration Date: 12/31/2008

Product: Wood-Edge Steel Glazed Inswing or Outswing Door w/ and w/o Non-Impact Rated Sidelites (w/Wood Frame unless noted)
Specifications Tested To: PA 202-94

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Configuration	Inswing or Outswing	Glazed or Opaque	Maximum Size	Design Pressure Pos/Neg	Missile Impact Rated	Test Report Number Drawing Number & Comments
X Single	I/S	Glazed	3'0" x 6'8"	+50.5/-50.5	No	NCTL-210-2930-7 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0130-05
X Single	O/S	Glazed	3'0" x 6'8"	+50.5/-50.5	No	NCTL-210-2930-7 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0130-05
XX Double	I/S	Glazed	6'0" x 6'8"	+50.5/-50.5	No	NCTL-210-2930-7 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0130-05
XX Double	O/S	Glazed	6'0" x 6'8"	+50.5/-50.5	No	NCTL-210-2930-7 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0130-05
XO/OX Single w/Sidelite	I/S	Glazed Door Glazed Sidelite	6'0" x 6'8"	+50.5/-50.5	Door-No Sidelite-No	NCTL-210-2930-7 MA-WL0115/16/17/18/19/20/21-02 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0130-05
XO/OX Single w/Sidelites	O/S	Glazed Door Glazed Sidelite	6'0" x 6'8"	+50.5/-50.5	Door-No Sidelite-No	NCTL-210-2930-7 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0130-05
OXO Single w/Sidelites	I/S	Glazed Door Glazed Sidelites	9'0" x 6'8"	+50.5/-50.5	Door-No Sidelites-No	NCTL-210-2930-7 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0130-05
OXO Single w/Sidelites	O/S	Glazed Door Glazed Sidelites	9'0" x 6'8"	+50.5/-50.5	Door-No Sidelites-No	NCTL-210-2930-7 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0130-05
OXOX Double w/Sidelites	I/S	Glazed Doors Glazed Sidelites	12'6" x 6'8"	+50.5/-50.5	Doors-No Sidelites-No	NCTL-210-2930-7 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0130-05
OXOX Double w/Sidelites	O/S	Glazed Doors Glazed Sidelites	12'6" x 6'8"	+50.5/-50.5	Doors-No Sidelites-No	NCTL-210-2930-7 Maximum Panel Size: 3'0" x 6'8" Installation Drawings-MA-FL0130-05

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NOTICE OF PRODUCT CERTIFICATION

Company: Masonite International Corporation
1955 Powis Road
West Chicago, IL 60185

Certification No.: NI006110-Page 6
Certification Date: 07/23/2005
Expiration Date: 12/31/2008

Product: Wood-Edge Steel Glazed Inswing or Outswing Door w/ and w/o Non-Impact Rated Sidelites (w/Wood Frame unless noted)
Specifications Tested To: PA 202-94

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Configuration	Inswing or Outswing	Glazed or Opaque	Maximum Size	Design Pressure Pos/Neg	Missile Impact Rated	Test Report Number Drawing Number & Comments
X Single	I/S	Glazed	3'0" x 8'0"	+40/-45	No	NCTL-210-3125-1 Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0131-05
X Single	O/S	Glazed	3'0" x 8'0"	+45/-40	No	NCTL-210-3125-1 Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0131-05
XX Double	I/S	Glazed	6'0" x 8'0"	+40/-45	No	NCTL-210-3125-1 Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0131-05
XX Double	O/S	Glazed	6'0" x 8'0"	+45/-40	No	NCTL-210-3125-1 Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0131-05
XO/OX Single w/Sidelite	I/S	Glazed Door Glazed Sidelite	6'0" x 8'0"	+40/-45	Door-No Sidelite-No	NCTL-210-3125-1 Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0131-05
XO/OX Single w/Sidelites	O/S	Glazed Door Glazed Sidelite	6'0" x 8'0"	+45/-40	Door-No Sidelite-No	NCTL-210-3125-1 Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0131-05
OXO Single w/Sidelites	I/S	Glazed Door Glazed Sidelites	9'0" x 8'0"	+40/-45	Door-No Sidelites-No	NCTL-210-3125-1 Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0131-05
OXO Single w/Sidelites	O/S	Glazed Door Glazed Sidelites	9'0" x 8'0"	+45/-40	Door-No Sidelites-No	NCTL-210-3125-1 Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0131-05
OXOX Double w/Sidelites	I/S	Glazed Doors Glazed Sidelites	12'6" x 8'0"	+40/-45	Doors-No Sidelites-No	NCTL-210-3125-1 Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0131-05
OXOX Double w/Sidelites	O/S	Glazed Doors Glazed Sidelites	12'6" x 8'0"	+45/-40	Doors-No Sidelites-No	NCTL-210-3125-1 Maximum Panel Size: 3'0" x 8'0" Installation Drawings-MA-FL0131-05

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SITE NAVIGATION



Home

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Training

Product
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Commission

PRODUCT APPROVAL

Product Type Detail

[Overview](#)
[Product Search](#)
[Organization Search](#)
[Product Application](#)

User: Public User - Not Associated with Organization -

[Need Help ?](#)

Application #: FL4904
 Date Submitted: 07/25/2005
 Code Version: 2004

Product Manufacturer: Masonite International
 Address/Phone/email: One North Dale Mabry
 Suite 950
 Tampa, FL 33609
 (615) 441-4258

Category: Exterior Doors

Subcategory: Swinging

Evaluation Method: Certification Mark or Listing

Referenced Standards from the Florida Building Code:	Section	Standard	Year
		TAS 201	1994
		TAS 202	1994
		TAS 203	1994
		ASTM E1300	1998
		ASTM E1300	2002

Section
 2612 HVHZ
 PI

Certification Agency: National Accreditation & Management Institute,

Quality Assurance Entity:

Validation Entity:

Authorized Signature: Steve Schreiber
 ssschreiber@masonite.com

Evaluation/Test Reports Uploaded:
 Installation Documents Uploaded:

[PTID_4904_I_Install 68 WE
 Glazed.pdf](#)
[PTID_4904_I_Install 68 WE
 Opaque.pdf](#)
[PTID_4904_I_Install 80 WE
 Glazed.pdf](#)
[PTID_4904_I_Install 80 WE
 Opaque.pdf](#)

Product Approval Method:

Method 1 Option A

Application Status:

Approved

Date Validated:

09/27/2005

Date Approved:

10/06/2005

Date Certified to the 2004 Code:

Page: 1

Page 1 / 1

App/Seq #	Product Model # or Name	Model Description	Limits of Use
4904.1	Wood-edge Steel Side-Hinged Door Units	6'-8" Opaque I/S and O/S Single Door	Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 3'-0" x 6'-8" max nominal size Max DP = +/- 76.0. When large missile impact resistance is required, hurricane protective system is NOT required. See installation drawing DWG-MA-FL0128-05 for additional information.
4904.2	Wood-edge Steel Side-Hinged Door Units	8'-0" Opaque I/S and O/S Single Door	Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 3'-0" x 8'-

			0" max nominal size Max DP = +/- 70.0. When large missile impact resistance is required, hurricane protective system is NOT required. See installation drawing DWG-MA-FL0129-05 for additional information.
4904.3	Wood-edge Steel Side-Hinged Door Units	6'-8" Opaque I/S and O/S Door w/ or w/o Sidelites	Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 6'-8" max nominal size. Max DP = +/- 55.0. When large missile impact resistance is required, hurricane protective system is NOT required on opaque panels, but is required on glazed panels. See installation drawing DWG-MA-FL0128-05 for additional information.
4904.4	Wood-edge Steel Side-Hinged Door Units	8'-0" Opaque I/S Door w/ or w/o Sidelites	Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed 12'-0" x 8'-0" max nominal size. Max DP = + 45.0 / -50.0. When large missile impact resistance is required, hurricane protective system is NOT required on opaque panels, but is required on glazed panels. See installation drawing DWG-MA-FL0129-05 for additional information.
			Evaluated for use in

4904.5	Wood-edge Steel Side-Hinged Door Units	8'-0" Opaque O/S w/ or w/o Sidelites	locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 8'-0" max nominal size. Max DP = + 50.0 / -45.0. When large missile impact resistance is required, hurricane protective system is NOT required on opaque panels, but is required on glazed panels. See installation drawing DWG-MA-FL0129-05 for additional information.
4904.6	Wood-edge Steel Side-Hinged Door Units	6'-8" Glazed I/S and O/S Door w/ or w/o Sidelites	Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 6'-8" max nominal size. Max DP = +/- 50.5. When large missile impact resistance is required, hurricane protective system is required. See installation drawing DWG-MA-FL0130-05 for additional information.
4904.7	Wood-edge Steel Side-Hinged Door Units	8'-0" Glazed I/S Door w/ or w/o Sidelites	Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed 12'-0" x 8'-0" max nominal size

			Max DP = +40.0 / -45.0. When large missile impact resistance is required, hurricane protective system is required. See installation drawing DWG-MA-FL0131-05 for additional information.
4904.8	Wood-edge Steel Side-Hinged Door Units	8'-0" Glazed O/S Door w/ or w/o Sidelites	Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 8'-0" max nominal size. Max DP = + 45.0 / -40.0. When large missile impact resistance is required, hurricane protective system is required. See installation drawing DWG-MA-FL0131-05 for additional information.

[Next](#)

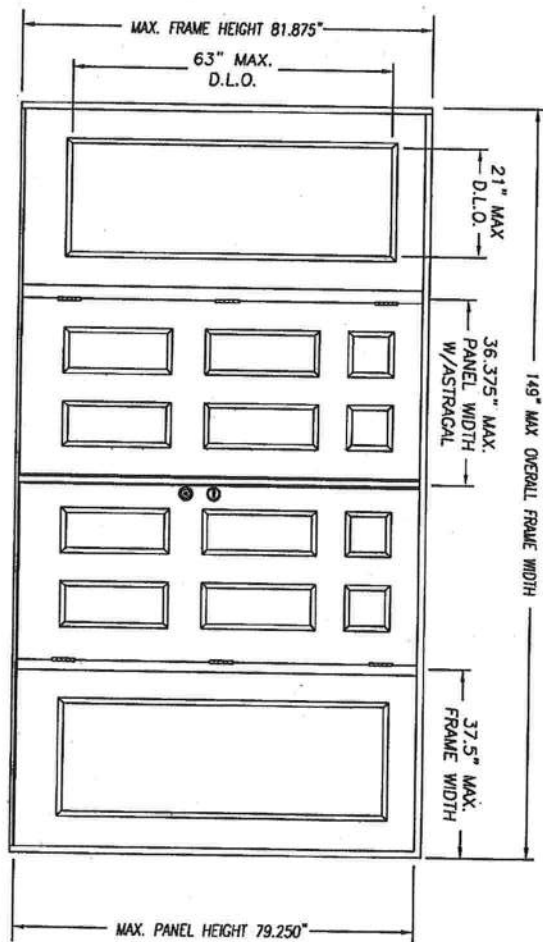
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Masonite SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT 6'-8" DOUBLE DOOR WITH / WITHOUT SIDELITES

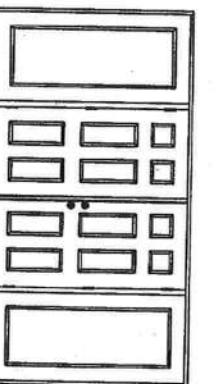
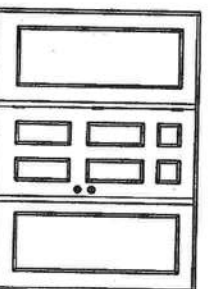
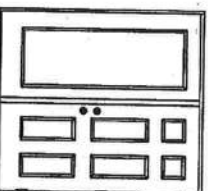
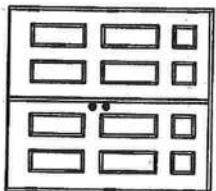
GENERAL NOTES

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED.
2. HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS NOT REQUIRED ON OPAQUE PANELS, BUT IS REQUIRED ON GLAZED SIDELITES
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84
4. PLASTICS TESTING OF LITE FRAME MATERIAL:
TEST DESCRIPTION DESIGNATION RESULT
SELF IGNITION TEMP ASTM D1929 680 °F > 650 °F
RATE OF BURNING ASTM D635 1.10 IN/MIN
SMOKE DENSITY ASTM D2843 69.6%
TENSILE STRENGTH* ASTM D638 -7.48% DIFF
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4500 HOURS XENON ARC METHOD 1



DOUBLE INSWING UNIT W/SIDELITES

Admission to HMM
Certification No. N1006110
Reviewed By [Signature]
Date Reviewed 8/10/05



SINGLE DOOR UNIT DOUBLE DOOR UNIT

SINGLE DOOR UNIT WITH SIDELITE

SINGLE DOOR UNIT WITH SIDELITE

SINGLE DOOR UNIT W/SIDELITES

DOUBLE DOOR UNIT W/SIDELITES

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING	WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE
X	37.5"	INSWING	INSWING
XX	74"	+76.0 / -76.0	+76.0 / -76.0
OX or XO	75"	+55.0 / -55.0	+55.0 / -55.0
OXO	112.5"	+55.0 / -55.0	+55.0 / -55.0
OXO	149"	+55.0 / -55.0	+55.0 / -55.0

PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'8" OPAQUE WOOD-EDGE STEEL DOOR		MASONITE INTERNATIONAL CORP. 7300 REAMES RD. CHARLOTTE, NC 28216
PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES		
NO.	DATE	BY
REVISIONS		
DATE: 7/11/05		
SCALE: N.T.S.		
DWG. BY: SWS		
CHK. BY:		
DRAWING NO.: DMC-MA-F10128-05		
SHEET 1 OF 3		



- TYPICAL
ANCHOR INSTALLATION



- | | |
|----|---|
| 1. | KWIKSET OR SCHLEGLE ANSI/BHMA GRADE 3 OR BETTER CYLINDRICAL AND DEADLOCK HARDWARE TO BE INSTALLED AT 5-1/2" CENTERLINE. |
| 2. | 4" X 4" FULL MORRIS BUTT HINGES |

Appendix to WWT

MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

Project Information

For: STANLEY CRAWFORD CONSTRUCTION, INC.
853 SW SISTERS WELCOME ROAD, LAKE CITY, FL 32025
Phone: 386-752-5152 Fax: 386-755-2165
Web: WWW.STANLEYCRAWFORDCONSTRUCTION.COM

Design Information

	Htg	Clg	Method	Infiltration	Simplified
Outside db (°F)	33	92			
Inside db (°F)	68	75	Construction quality		Average
Design TD (°F)	35	17	Fireplaces		0
Daily range	-	M			
Inside humidity (%)	-	50			
Moisture difference (gr/lb)	-	52			

HEATING EQUIPMENT

Make GOODMAN MANUFACTURING
Trade GOODMAN MANUFACTURING
Model GSH130241

Efficiency 7.3 HSPF
Heating input
Heating output 23000 Btuh @ 47°F
Temperature rise 28 °F
Actual air flow 760 cfm
Air flow factor 0.071 cfm/Btuh
Static pressure 0.00 in H2O
Space thermostat

COOLING EQUIPMENT

Make GOODMAN MANUFACTURING
Trade GOODMAN MANUFACTURING
Cond GSH130241
Coil ARPH182416

Efficiency 13 SEER
Sensible cooling 15960 Btuh
Latent cooling 6840 Btuh
Total cooling 22800 Btuh
Actual air flow 760 cfm
Air flow factor 0.050 cfm/Btuh
Static pressure 0.00 in H2O
Load sensible heat ratio 0.74

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
SHOP	1200	10736	11249	760	562
BATH ROOM	380	0	3300	0	165
CLOSET	190	0	660	0	33
Entire House	1770	10736	15209	760	760
Other equip loads		0	0		
Equip. @ 0.97 RSM			14752		
Latent cooling			5428		
TOTALS	1770	10736	20180	760	760

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

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 0 278

Florida Certificate of Product Approval # FL1999

Page 1 of 1 Document ID: 1TH68228Z0202140624

Truss Fabricator: Anderson Truss Company
Job Identification: 8-120A--Stanley Crawford Construc Stoinoff addition -- , **
Truss Count: 20
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.36.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

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: HCUSR8228

Details: -

Seal Date: 05/02/2008

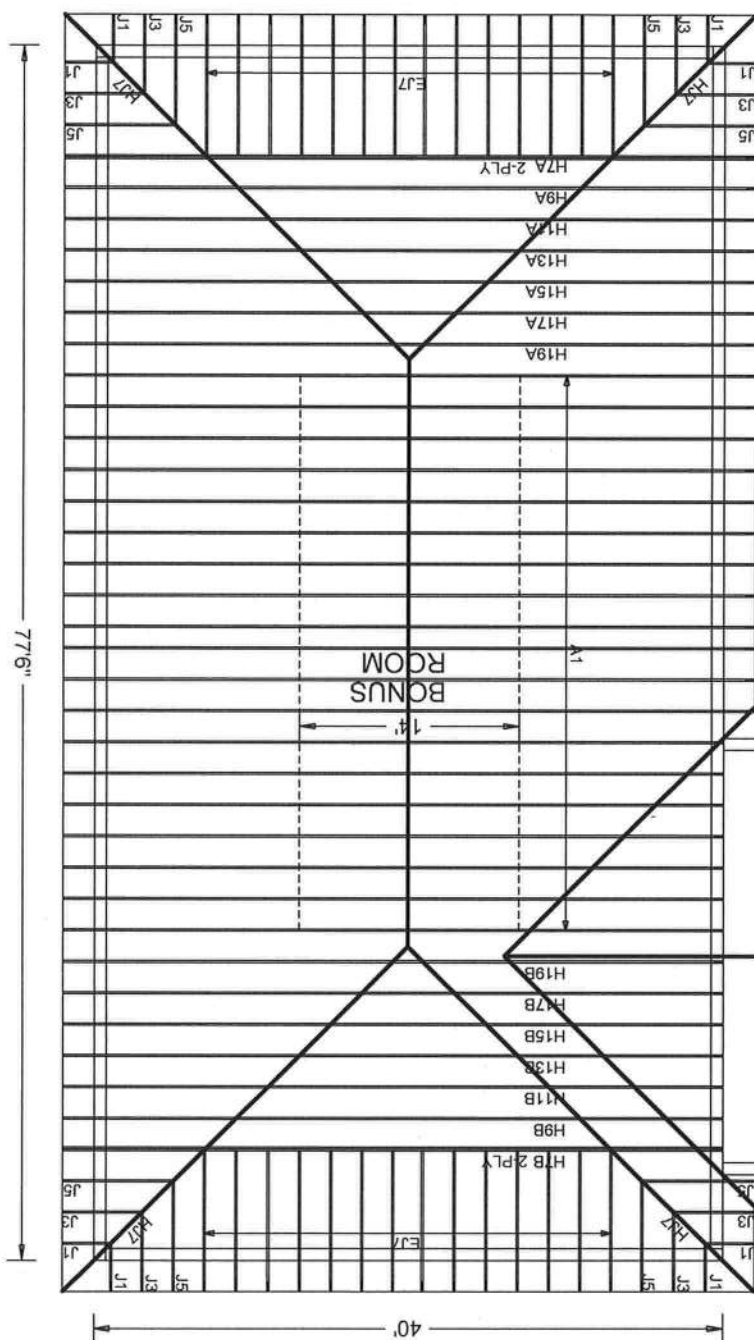
-Truss Design Engineer-
James F. Collins Jr.

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

#	Ref	Description	Drawing#	Date
1	80703--H7A		08123001	05/02/08
2	80704--H7B		08123006	05/02/08
3	80705--H9A		08123012	05/02/08
4	80706--H9B		08123007	05/02/08
5	80707--H11A		08123014	05/02/08
6	80708--H11B		08123008	05/02/08
7	80709--H13A		08123015	05/02/08
8	80710--H13B		08123009	05/02/08
9	80711--H15A		08123016	05/02/08
10	80712--H15B		08123010	05/02/08
11	80713--H17A		08123017	05/02/08
12	80714--H17B		08123011	05/02/08
13	80715--H19A		08123018	05/02/08
14	80716--H19B		08123013	05/02/08
15	80717--A1		08123005	05/02/08
16	80718--J1		08123004	05/02/08
17	80719--HJ7		08123019	05/02/08
18	80720--J3		08123003	05/02/08
19	80721--J5		08123002	05/02/08
20	80722--EJ7		08123005	05/02/08



EXISTING



(8-120A--Stanley Crawford Construc Stoinoff addition -- , ** - H7A)
Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT 11, EXP B, wind TC DL-5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

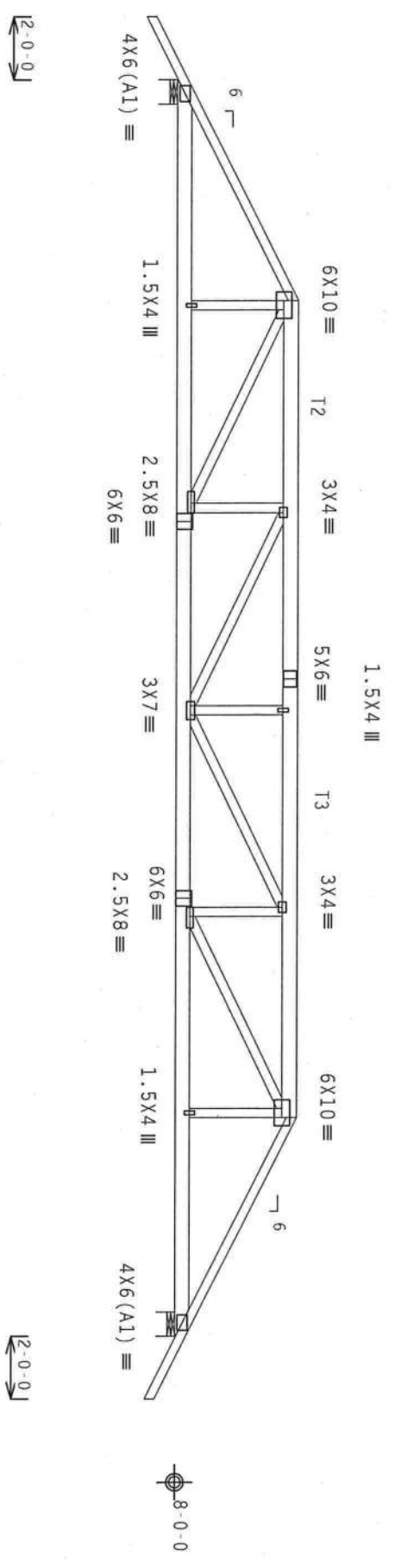
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Roof overhang supports 2.00 psf soffit load.

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



7-0-0 26-0-0 7-0-0
R=3400 U=301 W=9.25"

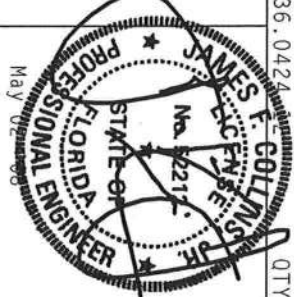
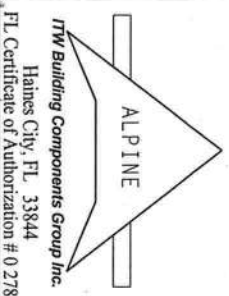
PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)

7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, MARKING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 216 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG PROVIDES TRUSSES MADE TO 2010/1606 (Q4/H/S/V) ASHRAE 62.1-2009 (Q4, Q7/H/S) GATE, STEEL, APPLY TO ALL TRUSSES. ITW BCG PROVIDES TRUSSES TO 2010/1606 (Q4/H/S/V) ASHRAE 62.1-2009 (Q4, Q7/H/S) GATE, STEEL, APPLY TO ALL TRUSSES. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF TPI-2002 SEC. 3.1 FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AHSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R8228- 80703
TC DL	10.0 PSF	DATE 05/02/08
BC DL	10.0 PSF	DRW HCUSR8228 08123001
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 85411
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TH68228202

המחלקה לבריאות הציבור, משרד הבריאות, תל אביב, ישראל

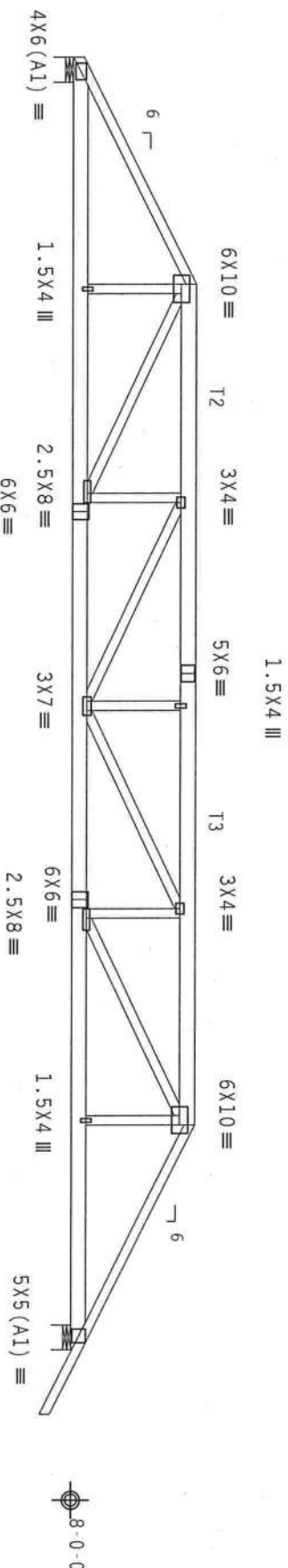
2 COMPLETE TRISSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)

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

Roof overhang supports 2.00 psf soffit load.

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



Elevation view of a bridge deck. The total length is 40'-0" over 2 supports. The spans are 7'-0" each. The height from the bottom chord to the top of the deck is 9'-0". The width of the deck is 34'-0". The bottom chord is labeled R=3408 U=306 W=9.25" and the top chord is labeled R=3540 U=340 W=9.25".

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

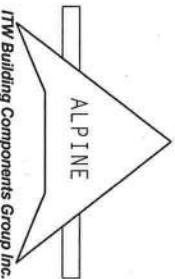
 $Cq/RT=1.00(1.25)/0(0)$

7.36.0424

QTY:1

FL/-/4/-/-/R/-/

Scale = .1875"/Ft.



ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF	R8228 - 80704
TC DL	10.0 PSF	DATE	05/02/08
BC DL	10.0 PSF	DRW	HCUSR8228 08123006
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN -	85416
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TH68228202

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

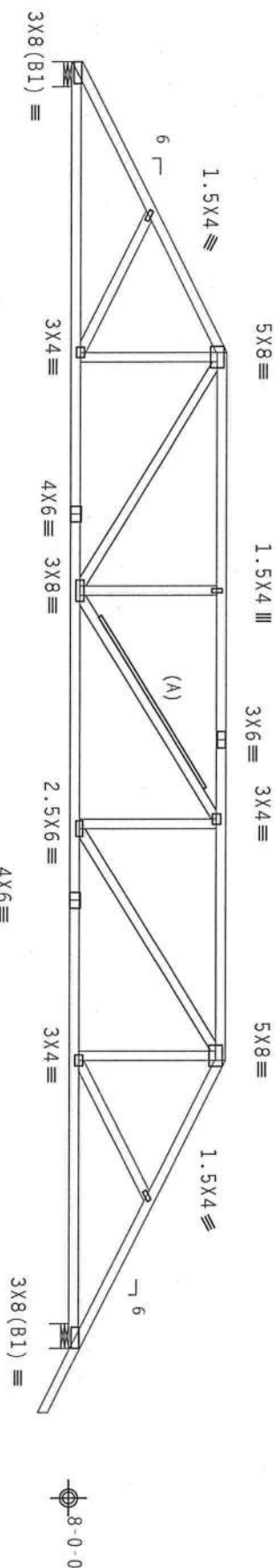
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Wind reactions based on MWFRS pressures.

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



9'-0'-0" 40'-0'-0" Over 2 Supports 9'-0'-0"

R=1643 U=158 W=9.25"

R=1785 U=184 W=9.25"

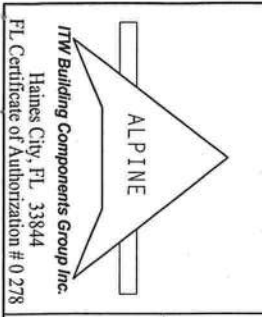
PLT TYP. Wave

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

7.36.0424

QTY: 1 FL/-/4/-/R/-

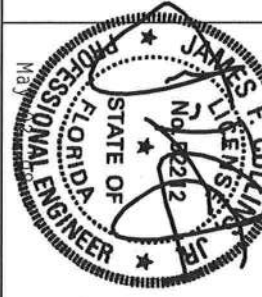
Scale = .1875"/ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2108 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 530 NORTH DEER CREEK DRIVE, PITTSBURGH, PA 15222 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**** GUARISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 530 NORTH DEER CREEK DRIVE, PITTSBURGH, PA 15222 AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 530 NORTH DEER CREEK DRIVE, PITTSBURGH, PA 15222. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS.

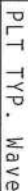


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BC DL	10.0 PSF	DRW	HCSR8228 08123007
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SECON	85426
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1TH68228202

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

Wind reactions based on MWFRS pressures.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

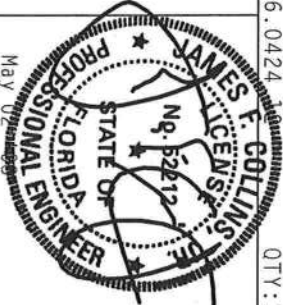

$$\frac{Cq}{RT} = 1.00(1.25)/0(0)$$

QTY:1

Scale = .1875"/Ft.

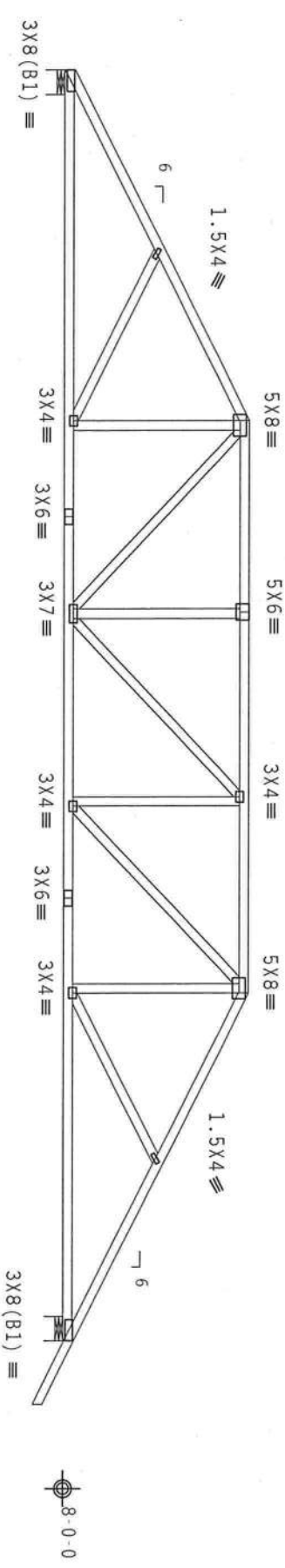


***IMPORTANT:** Furnish a copy of this document to the installation contractor. Ifm beg, inc. shall not be responsible for any deviation from this design. Any failure to build the truss in accordance with the design complies with applicable provisions of nbs national code sheet # 6, 8/21/55) galv. steel, apply connector plates as per applicable provisions of nbs national code sheet # 6, 8/21/55) galv. steel, apply plates to each pair of truss and, unless otherwise located on this condition, position per drawings 1606-2. Drawing indicates acceptance of professional engineering responsibility solely for the truss component of the design shown. The suitability and use of this component for any building is the responsibility of the building designer per aksj/tpt 1 sec. 2.



TC LL	20.0 PSF	REF	R8228 - 80707
TC DL	10.0 PSF	DATE	05/02/08
BC DL	10.0 PSF	DRW	HCUSR8228 08123014
BC LL	0.0 PSF	HC-ENG JB/AP	*
TOT.LD.	40.0 PSF	SEQN-	85431
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TH68228202

Roof overhang supports 2.00 psf soffit load.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 Gcpl(+/-)=0.18
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



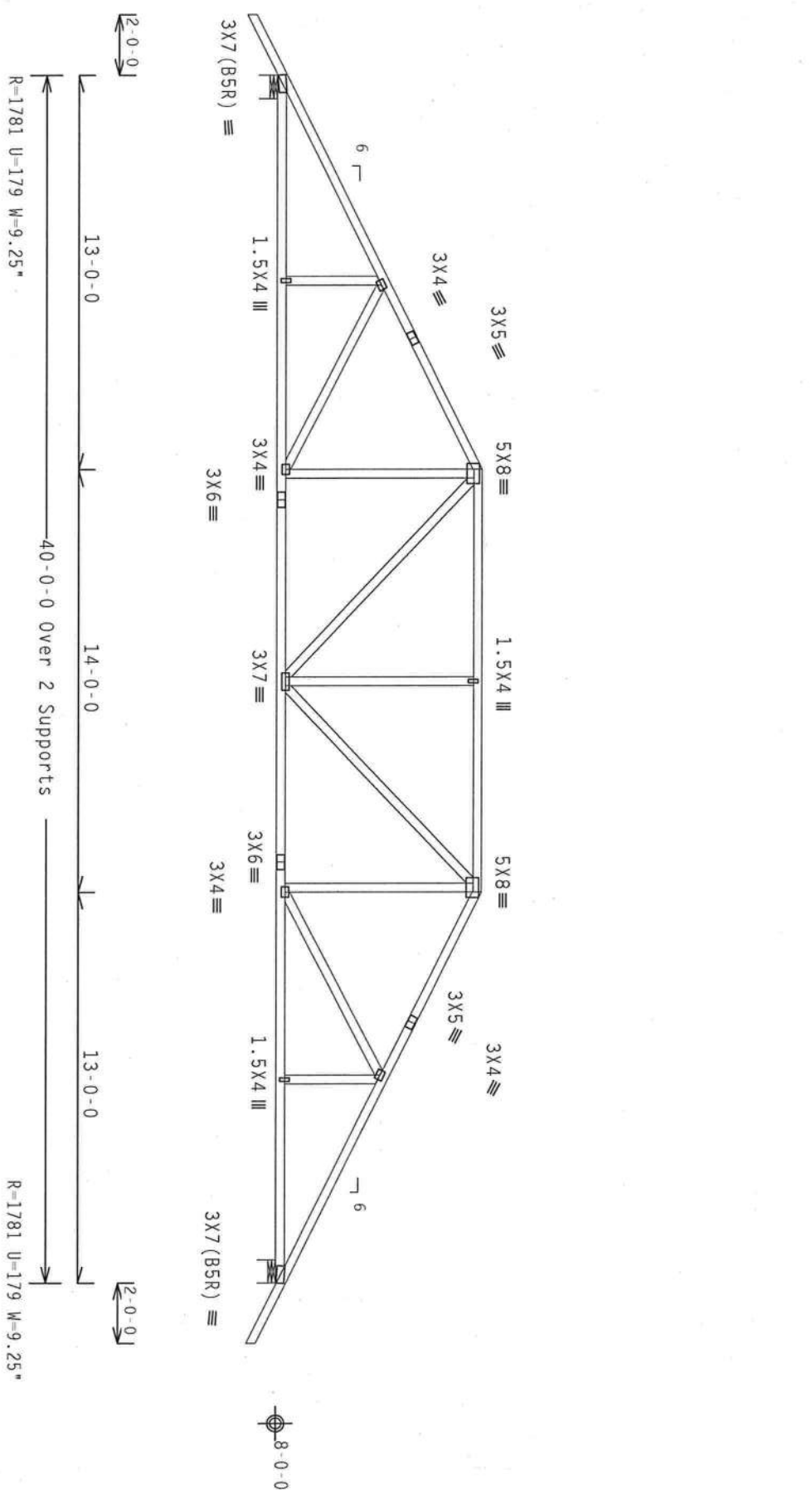
11'-0'-0
18'-0'-0
11'-0'-0
40'-0'-0 Over 2 Supports
R=1642 U=155 W=9.25"
R=1783 U=182 W=9.25"

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)
7.36.0424
QTY:1
FL/-/4/-/R/-
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. BY AERIAL AND TPI. THE BCG DESIGN GROUPS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AERIAL) AND TPI. THE BCG CONNECTION PLATES ARE MADE OF 2024/T3 ALUMINUM (H/SS/AL) ASH ALUMINUM GRADE 40/60 (H/SS/AL) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2, 160B, 2, 160C, 2, 160D, 2, 160E, 2, 160F, 2, 160G, 2, 160H, 2, 160I, 2, 160J, 2, 160K, 2, 160L, 2, 160M, 2, 160N, 2, 160O, 2, 160P, 2, 160Q, 2, 160R, 2, 160S, 2, 160T, 2, 160U, 2, 160V, 2, 160W, 2, 160X, 2, 160Y, 2, 160Z, 2, 160AA, 2, 160AB, 2, 160AC, 2, 160AD, 2, 160AE, 2, 160AF, 2, 160AG, 2, 160AH, 2, 160AI, 2, 160AJ, 2, 160AK, 2, 160AL, 2, 160AM, 2, 160AN, 2, 160AO, 2, 160AP, 2, 160AQ, 2, 160AR, 2, 160AS, 2, 160AT, 2, 160AU, 2, 160AV, 2, 160AW, 2, 160AX, 2, 160AY, 2, 160AZ, 2, 160BA, 2, 160BB, 2, 160BC, 2, 160BD, 2, 160BE, 2, 160BF, 2, 160BG, 2, 160BH, 2, 160BI, 2, 160BJ, 2, 160BK, 2, 160BL, 2, 160BM, 2, 160BN, 2, 160BO, 2, 160BP, 2, 160BQ, 2, 160BR, 2, 160BS, 2, 160BT, 2, 160BU, 2, 160BV, 2, 160BW, 2, 160BX, 2, 160BY, 2, 160BZ, 2, 160CA, 2, 160CB, 2, 160CC, 2, 160CD, 2, 160CE, 2, 160CF, 2, 160CG, 2, 160CH, 2, 160CI, 2, 160CJ, 2, 160CK, 2, 160CL, 2, 160CM, 2, 160CN, 2, 160CO, 2, 160CP, 2, 160CQ, 2, 160CR, 2, 160CS, 2, 160CT, 2, 160CU, 2, 160CV, 2, 160CW, 2, 160CX, 2, 160CY, 2, 160CZ, 2, 160DA, 2, 160DB, 2, 160DC, 2, 160DD, 2, 160DE, 2, 160DF, 2, 160DG, 2, 160DH, 2, 160DI, 2, 160DJ, 2, 160DK, 2, 160DL, 2, 160DM, 2, 160DN, 2, 160DO, 2, 160DP, 2, 160DQ, 2, 160DR, 2, 160DS, 2, 160DT, 2, 160DU, 2, 160DV, 2, 160DW, 2, 160DX, 2, 160DY, 2, 160DZ, 2, 160EA, 2, 160EB, 2, 160EC, 2, 160ED, 2, 160EE, 2, 160EF, 2, 160EG, 2, 160EH, 2, 160EI, 2, 160EJ, 2, 160EK, 2, 160EL, 2, 160EM, 2, 160EN, 2, 160EO, 2, 160EP, 2, 160EQ, 2, 160ER, 2, 160ES, 2, 160ET, 2, 160EU, 2, 160EV, 2, 160EW, 2, 160EX, 2, 160EY, 2, 160EZ, 2, 160FA, 2, 160FB, 2, 160FC, 2, 160FD, 2, 160FE, 2, 160FF, 2, 160FG, 2, 160FH, 2, 160FI, 2, 160FJ, 2, 160FK, 2, 160FL, 2, 160FM, 2, 160FN, 2, 160FO, 2, 160FP, 2, 160FQ, 2, 160FR, 2, 160FS, 2, 160FT, 2, 160FU, 2, 160FV, 2, 160FW, 2, 160FX, 2, 160FY, 2, 160FZ, 2, 160GA, 2, 160GB, 2, 160GC, 2, 160GD, 2, 160GE, 2, 160GF, 2, 160GG, 2, 160GH, 2, 160GI, 2, 160GJ, 2, 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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Roof overhang supports 2.00 psf soffit load.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)
7.36.042
QTY:1
FL/-/4/-/-/R/-
Scale = .1875"/Ft.

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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

****IMPORTANT**** TURNIST A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, BY A/RNA AND TPI, DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF RDS (NATIONAL DESIGN SPEC. BY A/RNA) AND TPI, CONNECTION PLATES ARE MADE OF 20/18/16GA (24/18/16) ASH 6053 GRADE 40/60 (A, B, C, D, E) GALV. STEEL. APPLY THE FOLLOWING DESIGNATION PER DRAWING: 6053-20/18/16GA (24/18/16) ASH 6053 GRADE 40/60 (A, B, C, D, E) GALV. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PER AMER AS OF TPI-2002 SEC. 2. THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

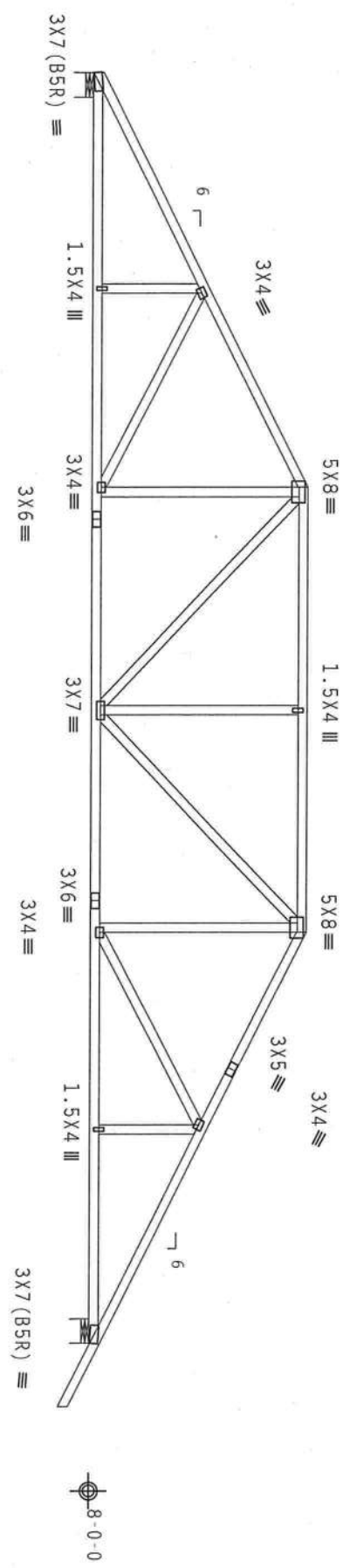
TC LL	20.0 PSF	REF	R8228- 80709
TC DL	10.0 PSF	DATE	05/02/08
BC DL	10.0 PSF	DRW	HCSR8228 08123015
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEON-	85441
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	UREF-	1TH68228202

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 Gcpl(+/-)=0.18
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



13-0-0 14-0-0 13-0-0
R=1643 U=154 W=9.25"
R=1785 U=180 W=9.25"

PLT TYP. Wave

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

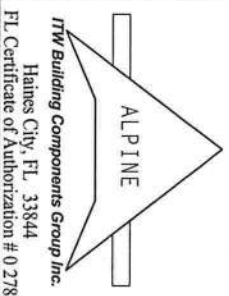
7.36.0424

QTY:1 FL/-/4/-/-/R/-

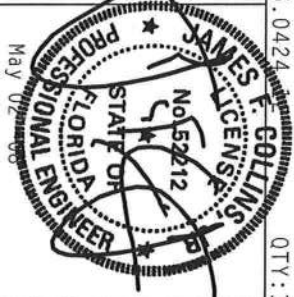
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (P/H/S/S/R) ASH 6053 GRADE 40/40 (K/1/55) GALV. STEEL. APPLY ALL RECOMMENDED CONNECTIONS. ALL TRUSSES SHOWN ARE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF	R8228 - 80710
TC DL	10.0 PSF	DATE	05/02/08
BC DL	10.0 PSF	DRW	HCUSR8228 08123009
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEQN-	85448
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	UREF-	1TH68228Z02

Roof overhang supports 2.00 psf soffit load.

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

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

 $R=1781 \quad U=176 \quad W=9.25''$

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

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

7.36.0424.42 C0111 QTY:1

QTY:1 FL/-/4/-/-/R/-/-

Scale = .1875" / Ft.

WARNING—FIBERS REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE STRESS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK (WOOD TRUSS COMPANY) OF AMERICA, 65000 ENTERPRISE LAKE, MADISON, WI, 53719 FOR SAFETY PRACTICES RELATIVE TO PERFORMING THESE FUNCTIONS. INTERSESS INFORMATION INDICATED FOR GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARTS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TROSS IN CONFORMANCE WITH THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (MINIMUM DESIGN SPEC., BY AIR/PA) AND TPI.
CONNECTOR PLATES ARE MADE OF 20/18/17/1664 (H, W, S, K) ASTM A553 GRADE 60/60 (H, K/H, S) GALV. STEEL.
PLATES TO EACH FACE OF JOINTS AND JOINTS OF THE JOINT LOCATED ON THIS POSITION AND JOINTS 1664-2.
APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

FL Certificate of Authorization # 0 277

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2,

May 02 '08

SPACING	24.0"	JREF- 1TH68228Z02
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

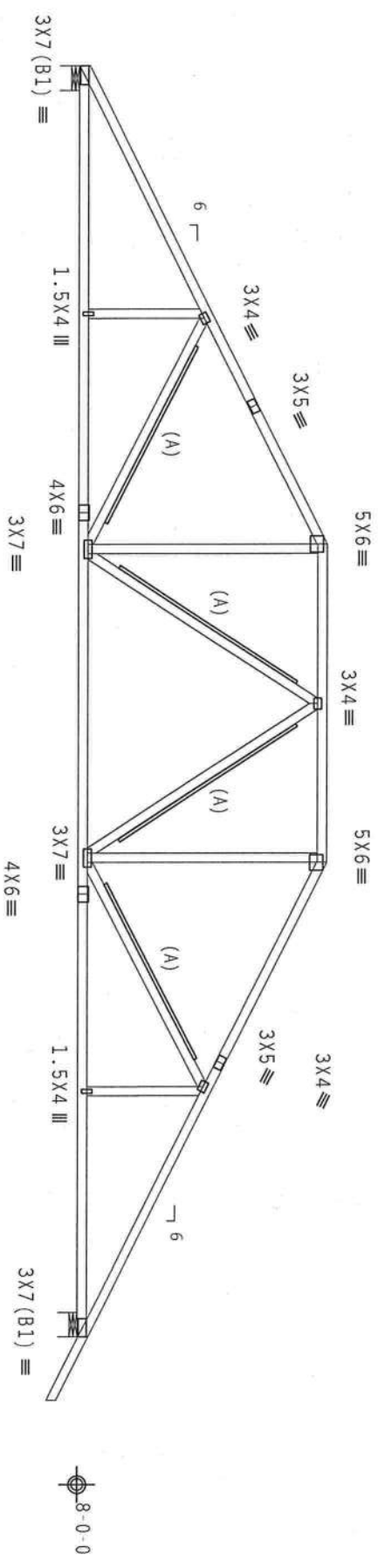
(A) 1x4 #3 or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Wind reactions based on MMFRS pressures.

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



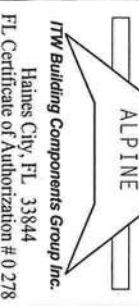
15-0-0 10-0-0 15-0-0
R=1643 U=151 W=9.25"
40-0-0 Over 2 Supports
R=1785 U=177 W=9.25"

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)

7.36.0424.10 QTY:1 FL/-/4/-/-/R/-
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (INCLUDING COMPONENT SAFETY INFORMATION) PROVIDED BY TPI TRUSS PLATE INSTRUCTIONS. 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



		TC LL 20.0 PSF		REF R8228- 80712
TC DL 10.0 PSF		DATE 05/02/08		
BC DL 10.0 PSF		DRW HCUR8228 08123010		
BC LL 0.0 PSF		HC-ENG JB/AP		*
TOT.LD. 40.0 PSF		SEQN- 85459		
DUR.FAC. 1.25		FROM AH		
SPACING 24.0"		JREF- 1TH68228Z02		

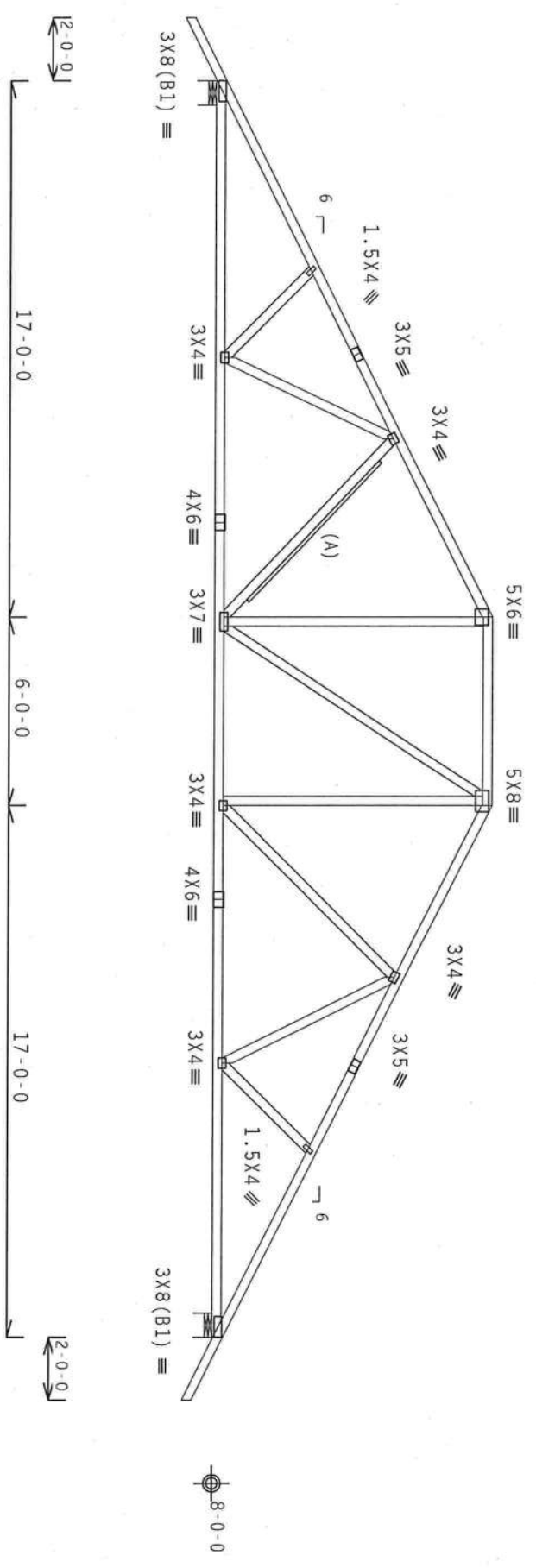
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.18
Wind reactions based on MWFRS pressures.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



PLT TYP. Wave

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

7.36.0424.12

QTY:1

FL/-/4/-/-/R/-

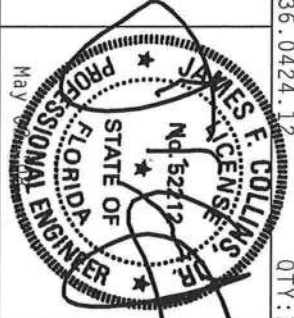
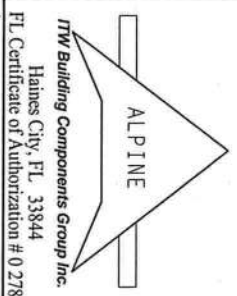
Scale = .1875"/ft.

WARNING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO HCS1 BUILDING COMPONENT SAFETY INFORMATION, 2000 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WICA HUND ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 905 (NATIONAL DESIGN SPEC. BY AREA) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/1664 (W/J/S/V) ASTM A653 GRADE 40/50 (W, K/H, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

ITW BUILDING COMPONENTS GROUP INC. SHALL BE PERMITTED TO ACCEPT RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. ACCEPTANCE OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. BUILDING DESIGNER PER AHS/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 80713
TC DL	10.0 PSF	DATE	05/02/08
BC DL	10.0 PSF	DRW	HCSUR8228 08123017
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	85467
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TH68228Z02

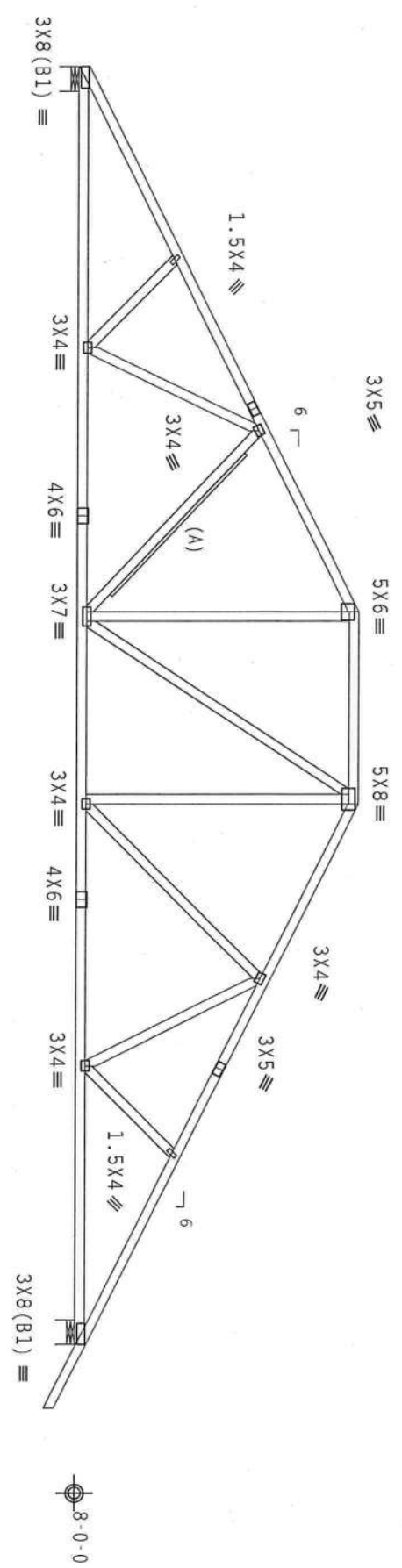
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3 or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpl(+/-)-0.18
Wind reactions based on MMFRS pressures.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



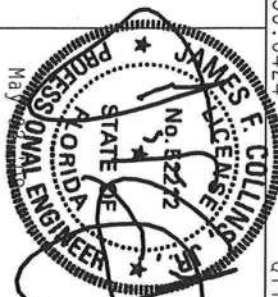
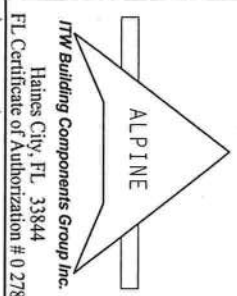
17'-0'-0
6'-0'-0
17'-0'-0
40'-0'-0 Over 2 Supports
R=1643 U=149 W=9.25"
R=1785 U=175 W=9.25"

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)

QTY: 1 FL/-/4/-/-/R/- Scale = .1875"/ft.

****WARNING**** TRUSSES ROUTED EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. DESIGNATION PLATES ARE MADE OF 2018/1604 (40,000/55,75) ASTM A553 GRADE 40/60 (4, K/1,55) GALV. STEEL. APPLY TO ALL TRUSSES AND ASSOCIATED PARTS. THIS DESIGN, POSITION PER DRAWINGS 1604-2, 1604-3, 1604-4, 1604-5, 1604-6, 1604-7, 1604-8, 1604-9, 1604-10, 1604-11, 1604-12, 1604-13, 1604-14, 1604-15, 1604-16, 1604-17, 1604-18, 1604-19, 1604-20, 1604-21, 1604-22, 1604-23, 1604-24, 1604-25, 1604-26, 1604-27, 1604-28, 1604-29, 1604-30, 1604-31, 1604-32, 1604-33, 1604-34, 1604-35, 1604-36, 1604-37, 1604-38, 1604-39, 1604-40, 1604-41, 1604-42, 1604-43, 1604-44, 1604-45, 1604-46, 1604-47, 1604-48, 1604-49, 1604-50, 1604-51, 1604-52, 1604-53, 1604-54, 1604-55, 1604-56, 1604-57, 1604-58, 1604-59, 1604-60, 1604-61, 1604-62, 1604-63, 1604-64, 1604-65, 1604-66, 1604-67, 1604-68, 1604-69, 1604-70, 1604-71, 1604-72, 1604-73, 1604-74, 1604-75, 1604-76, 1604-77, 1604-78, 1604-79, 1604-80, 1604-81, 1604-82, 1604-83, 1604-84, 1604-85, 1604-86, 1604-87, 1604-88, 1604-89, 1604-90, 1604-91, 1604-92, 1604-93, 1604-94, 1604-95, 1604-96, 1604-97, 1604-98, 1604-99, 1604-100. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 80714
TC DL	10.0 PSF	DATE	05/02/08
BC DL	10.0 PSF	DRW	HCSR8228 08123011
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEQN-	85473
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TH68228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

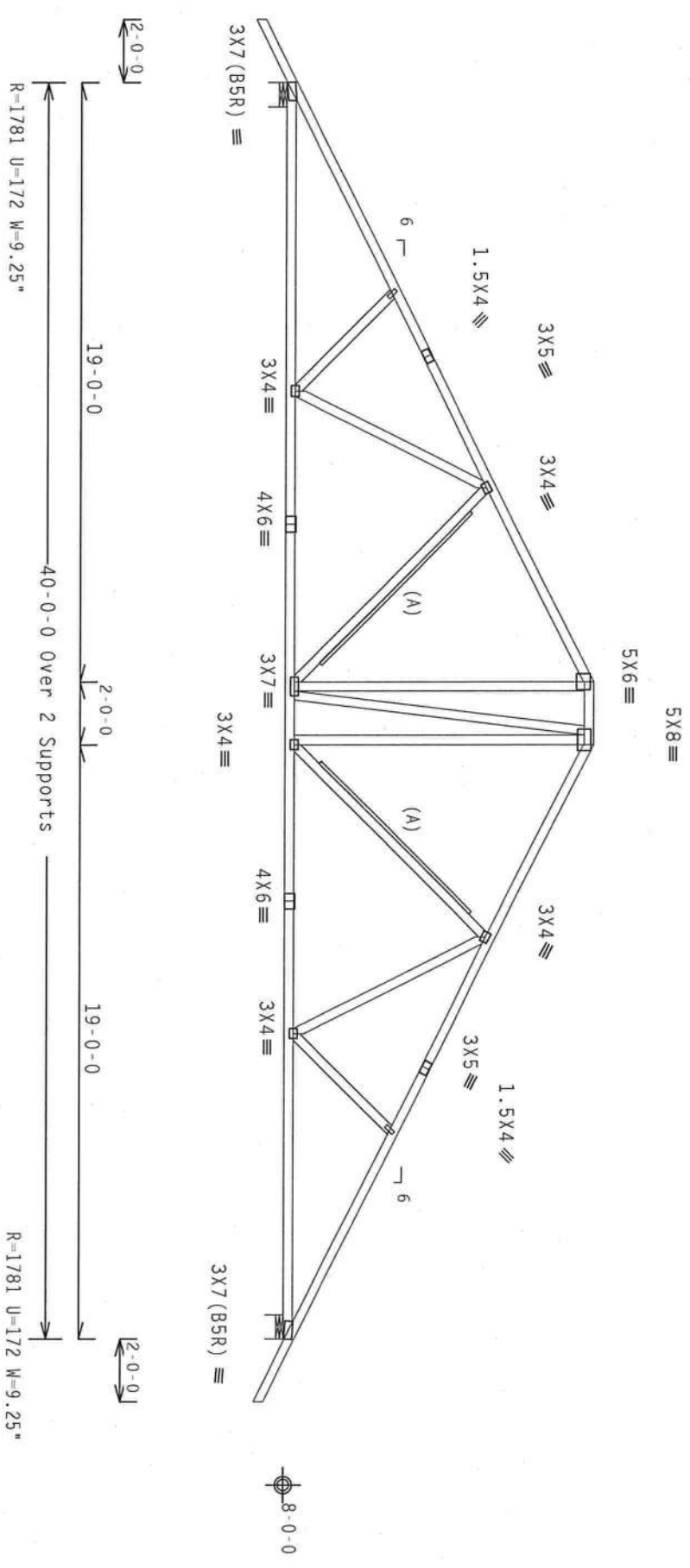
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

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



PLT TYP. Wave

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

7.36.0424

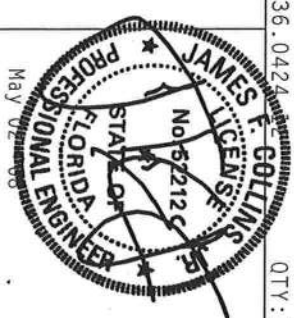
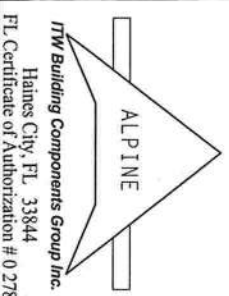
QTY:1 FL/-/4/-/R/-

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATING INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NFCA (WOOD TRUSS COUNCIL OF AMERICA, UNLESS OTHERWISE Labeled, 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. TPI BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMMENTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. OR AFPA) AND TPI. CONNECTION PLATES ARE MADE OF 20/10/1604 (W/SS/SP) ASTM A653 GRADE 40/60 (Q. K/H/SS) GALV. STEEL. APPLY PROTECTIVE COATING TO ALL EXPOSED SURFACES. THIS DESIGN, POSITION FOR DRAMAHS 1604.2. ANY INSPECTION OF PLATES FOLLOWED BY PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 80715
TC DL	10.0 PSF	DATE	05/02/08
BC DL	10.0 PSF	DRW	HCUSR8228 08123018
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEQN-	85478
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TH68228Z02

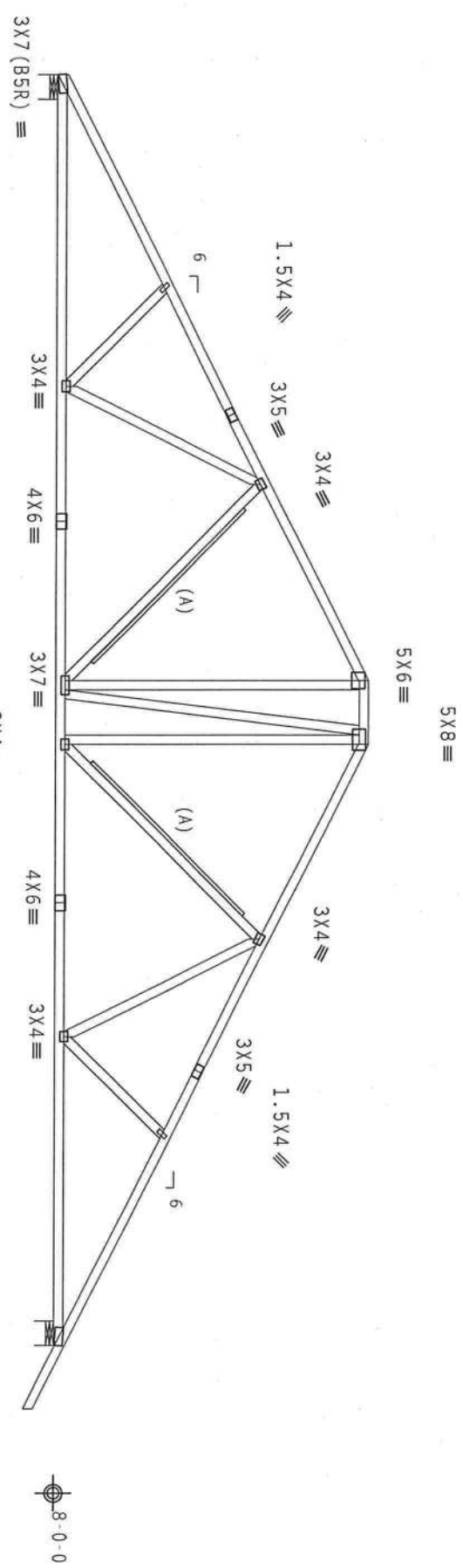
Top chord 2x4 Sp #2 Dense
Bot chord 2x4 Sp #2 Dense
Webs 2x4 Sp #3

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)-0.18
Wind reactions based on MWFRS pressures.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



19-0-0 2-0-0 40-0-0 Over 2 Supports 19-0-0 2-0-0
R=1643 U=146 W=9.25"
R=1785 U=173 W=9.25"

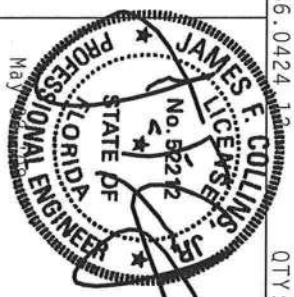
PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0)

QTY: 1 FL/-/4/-/-/R/- Scale = .1875"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF	R8228- 80716
TC DL	10.0 PSF	DATE	05/02/08
BC DL	10.0 PSF	DRW	HCU8R8228 08123013
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEQN-	85484
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TH68228Z02

Top chord 2x4 SP #2 Dense :12, T3 2x10 SP SS:
Bot chord 2x6 SP #1 Dense :82 2x10 SP SS:
:83 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W6 2x10 SP #1 Dense:

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.17" due to live load and 0.33" due to dead load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 13-0-0 to 27-0-0.

Calculated vertical deflection is 0.44" due to live load and 0.84" due to dead load at X = 27-3-8.

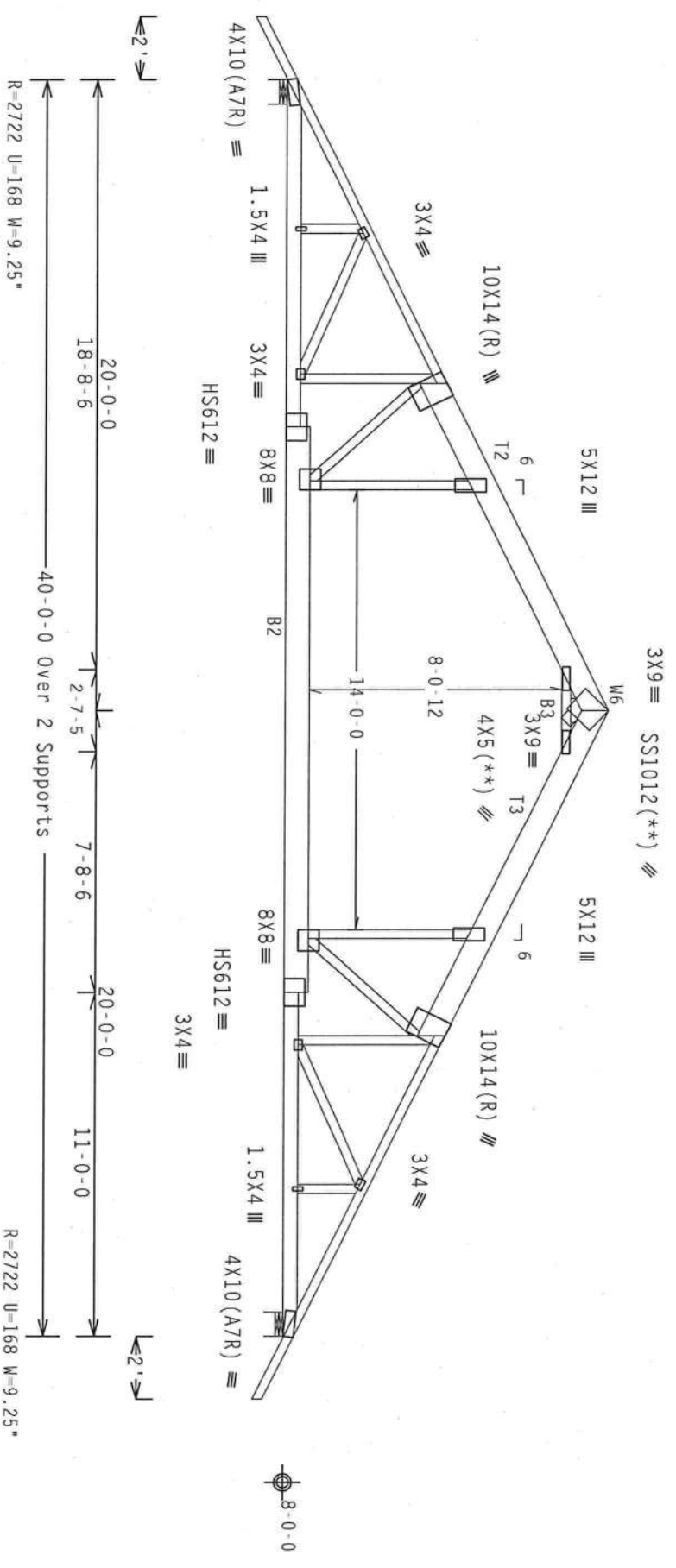
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+/-)-0.18

Wind reactions based on MMFRS pressures.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



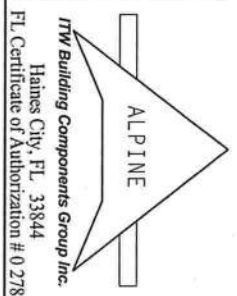
PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: TPI-2002(STD)/FBC
Wave Cq/RT=1.00(1.25)/0(0)

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION, 1500 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AISC 360-05 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 360-05 (AISC 360-05) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/R) ASTM A653 GRADE 40/40 (W/H/SS) GALV. STEEL. APPLY GALVANNEALING TO ALL THUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ALL THUSSES SHALL BE INSPECTED AND ACCEPTED BY THE BUILDING DESIGNER PRIOR TO THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



FL Certificate of Authorization #0 278



QTY:1	FL/-/4/-/-/R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R8228- 80717
TC DL	10.0 PSF	DATE 05/02/08
BC DL	10.0 PSF	DRW HCUR8228 08123005
BC LL	0.0 PSF	HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEON- 50571
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TH68228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

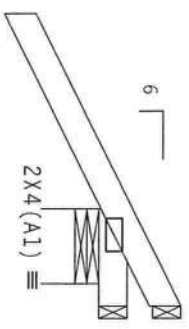
Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

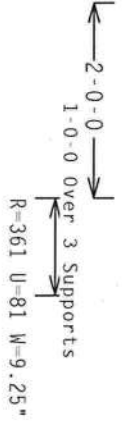
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MMFRS pressures.

R= 110 Rw=43 U=75



R= -35 Rw=20 U=26



PLT TYP. Wave

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

7.36.0424

QTY: 1 FL/-/4/-/-/R/-

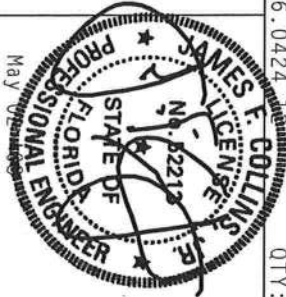
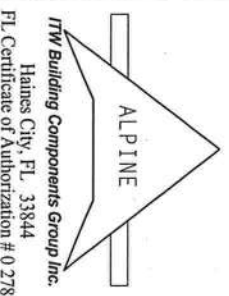
Scale =.5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE MANUFACTURER, FOR THE TRUSS. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WEA GOOD TRUSS COMPANY OF AMERICA, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/NA) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/15GA (W/H/S/S/V) ASTM A653 GRADE 40/40 (W, K/H, S/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

DESIGN INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI1 SEC. 2.



TC LL	20.0 PSF	REF R8228- 80718
TC DL	10.0 PSF	DATE 05/02/08
BC DL	10.0 PSF	DRW HCUR8228 08123004
BC LL	0.0 PSF	HC-ENG JB/AP
TOT. LD.	40.0 PSF	SEQN- 85383
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TH68228Z02

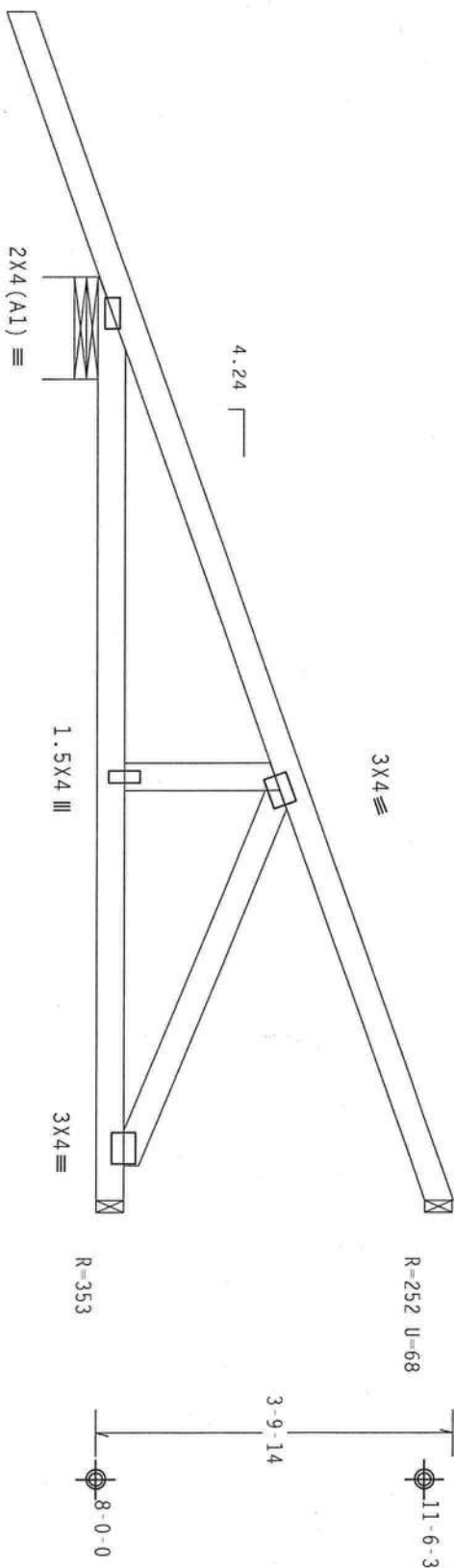
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Wind reactions based on MMFRS pressures.



2'-9-15

9'-10-13 Over 3 Supports
R=540 U=71 W=13.081"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

0Y:1

FL/-/4/-/-/R/-

Scale = .5"/ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS FABRICATOR. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS BEING PROPERLY ATTACHED TO THE BUILDING STRUCTURE. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS BEING PROPERLY ATTACHED TO THE BUILDING STRUCTURE. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS BEING PROPERLY ATTACHED TO THE BUILDING STRUCTURE.

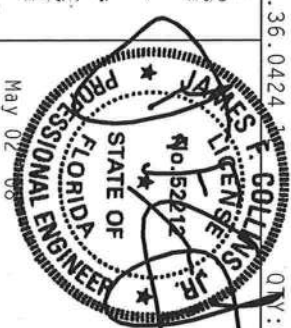
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS FABRICATOR. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS BEING PROPERLY ATTACHED TO THE BUILDING STRUCTURE. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS BEING PROPERLY ATTACHED TO THE BUILDING STRUCTURE. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS BEING PROPERLY ATTACHED TO THE BUILDING STRUCTURE.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0278



TC LL	20.0 PSF	REF R8228- 80719
TC DL	10.0 PSF	DATE 05/02/08
BC DL	10.0 PSF	DRW HCUR8228 08123019
BC LL	0.0 PSF	HC-ENG JB/AP
TOT. LD.	40.0 PSF	SEQN- 85406
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	UREF- 1TH68228Z02

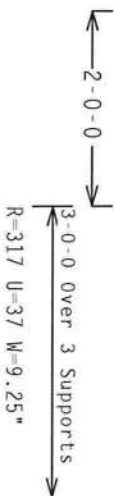
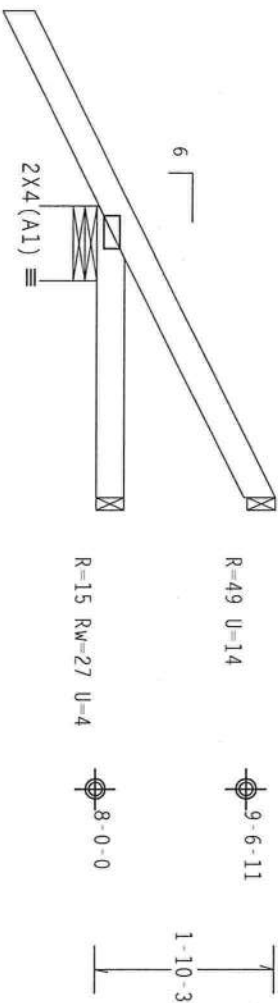
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Wind reactions based on MMFRS pressures.



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)

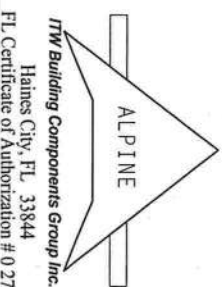
7.36.0424

QTY:1 FL/-/4/-/-/R/-

Scale = .5\"/>

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE TRUSS ASSOCIATION OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF ROS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1864 (40,000 PSI) ASTM A575 GRADE 40/60 (4, K/H, S5) GALV. STEEL. APPLY TO ALL JOINTS. ALL JOINTS SHALL BE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 180A-2. ANY INSPECTION OF PLATEWORK AND, BY THE TRUSS ASSOCIATION OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 80720
TC DL	10.0 PSF	DATE	05/02/08
BC DL	10.0 PSF	DRW	HCUSR8228 08123003
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEON-	85388
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TH68228Z02

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

Wind reactions based on MWFRS pressures.

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

QTY:1

FL/-/4/-/-/R/-/

Scale = .5" / Ft.



TC LL	20.0 PSF
TC DL	10.0 PSF

REF	R8228 - 807211
DATE	05/02/08

BC DL 10.0 PSF

DRW HCUSR8228 081230

STATE OF

BC LL 0.0 PSF

HC-ENG JB/AP



TOT.LD. 40.0 PSF

SEON - 85392



DUR. FAC. 1.25

FROM AH

CONTACT NO. 24 0"

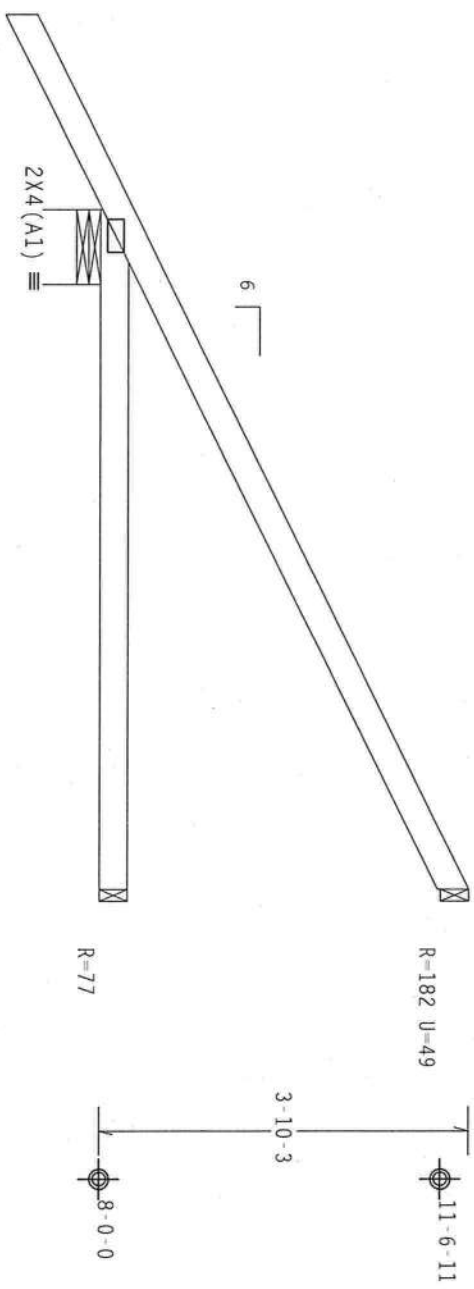
1 K011	All
1 D011	1 T116000007000

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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. $I_w=1.00$ $GCF(+/-)=-0.18$
Wind reactions based on MWFRS pressures.



2'-0'-0" →
→ 7'-0'-0" Over 3 Supports →
R=450 U=33 W=9.25"

PLT TYP. Wave

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

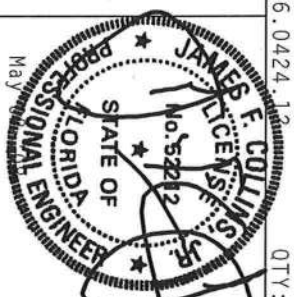
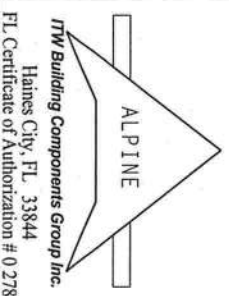
7.36.0424.10 QTY:1 FL/-/4/-/1/R/-

Scale = .5"/ft.

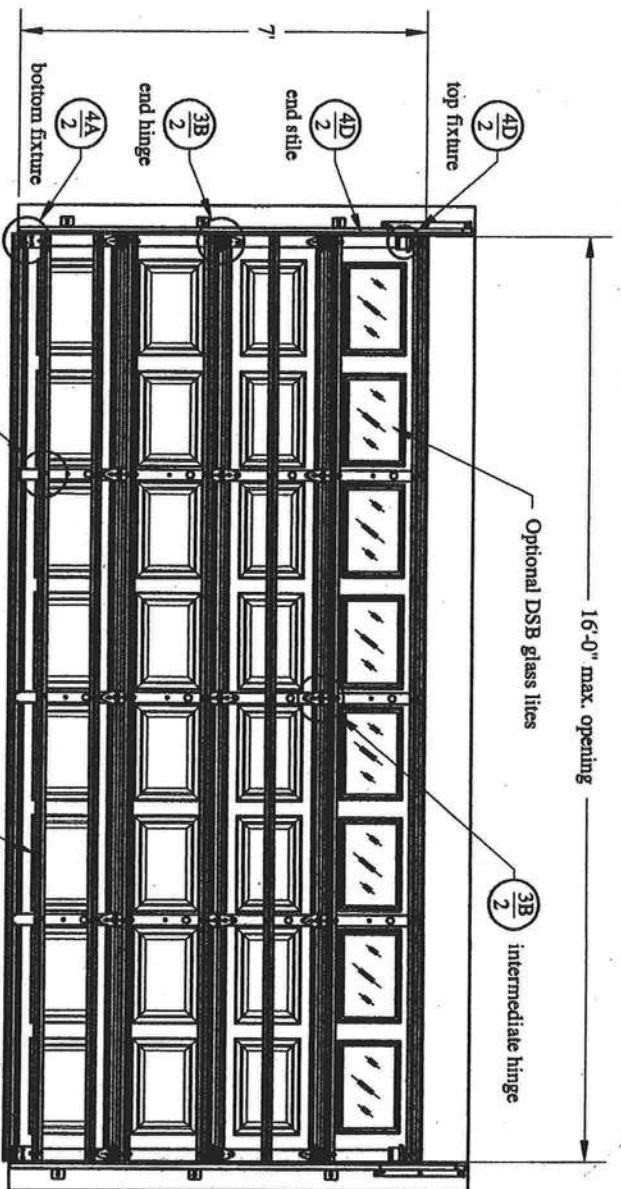
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6200 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. CONNECTION PLATES MADE OF 2010/1604 (2010/1604) ASH 6053 GRADE 40/60 (Q. 47H, 55) GALV. STEEL. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



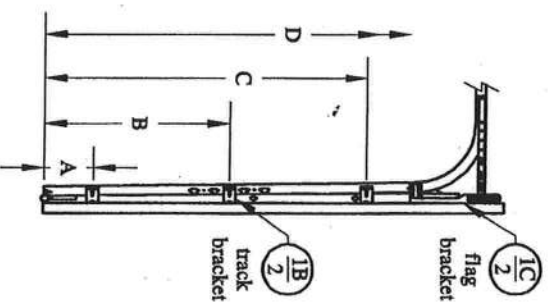
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TC DL	10.0 PSF	DATE 05/02/08
BC DL	10.0 PSF	DRW HCUR8228 08123005
BC LL	0.0 PSF	HC-ENG JB/AP
TOT. LD.	40.0 PSF	SEQN- 85396
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TH68228202



Door Model	Gauge	Decimal
2250/2251	25	.0185
4250/4251	25	.0185
2240/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225

door height	section quantity	strut quantity	trk brkt per side
6'-6" to 7'-0"	4	7	3
7'-6" to 8'-0"	5	8	4
8'-3" to 8'-9"	5	9	4
9'-0" to 10'-6"	6	11	5
10'-9" to 12'-3"	7	13	6
12'-6" to 14'-0"	8	15	7

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high



Track Bracket Chart	door height									
	6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"	
track brackets	D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"
	C	60"	63"	66"	58"	55"	58"	60"	63"	66"
	B	35"	35"	38"	34"	31"	34"	32"	35"	38"
	A	10"	7"	10"	10"	7"	10"	4"	7"	10"

Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

This door has been tested in accordance with ANSI/DASMA 108-2002
Design Pressure (DP): 18.5 pos / 20.7 neg
Test Pressure (TP): 27.8 pos / 31.1 neg

Per 2004 FBC Table 1609.6E, DP meets or exceeds basic wind speed of:
V = 110 MPH for Exposure B and mean roof height of 30' or less
V = 93 MPH for Exposure C and mean roof height of 30' or less
Maximum door size: 16'-0" wide by 14'-0" tall

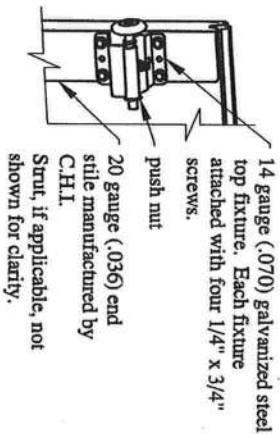
Glazing and door have not been tested for windborne debris.

Wood buck and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing. If door is not electrically operated, a lock must be installed.

Professional Engineer's seal provided only for verification of windload construction details

John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

Details on some views may have been omitted for clarity.



The 2x6 vertical wood jambs are to be grade 2 or better southern pine. Fasteners may be countersunk to provide a flush mounting surface.

12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16\" x 1-5/8\" wood lag screw per bracket.

20 gauge (.036) center stile manufactured by C.H.I.

2\" steel roller

Flag bracket attached to horizontal track with two 1/4\" x 5/8\" track bolts and nuts.

12 gauge (.086) galvanized steel flag bracket fastened to wood jamb with three 5/16\" x 1-5/8\" wood lag screws.

2\" x .051 min. galvanized steel track fastened to track brackets. Each track bracket attached with one 1/4\" x 5/8\" track bolt and nut.

2\" steel track roller.

End Hinge 16 gauge (.058) galvanized steel end hinge fastened to section with four 1/4\" x 3/4\" screws.

Intermediate Hinge 18 gauge (.047) galvanized steel intermediate hinge fastened to section with four 1/4\" x 3/4\" screws.

2 3/4\"

3-1/2\" (min.) stem

12 gauge (.102) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red 1/4\" x 3/4\" screws.

20 gauge (.034) 33 ksi galvanized steel 3\" strut attached with two 1/4\" x 3/4\" screws per stile or hinge plate.

3\" 1 7/8\" 1/2\"

Each track bracket attached with one 1/4\" x 5/8\" track bolt and nut. Or two 1/4\" x 11/32\" rivets.

12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16\" x 1-5/8\" wood lag screw per bracket.

Design Load: 18.5 pos / 20.7 neg
Test Load: 27.8 pos / 31.1 neg
page 2 of 2

Professional Engineer's seal provided only for verification of windload construction details

John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

C.H.I. Drawing: Z3-1607-01100
Model 2250/51 (16-0\" wide)
10-25-2005

Vinyl weatherstrip
Aluminum extrusion
push nut

Notice of Treatment

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

Address: 536 SE BAYA AVE

City LC Phone 752 1703

Site Location: Subdivision _____

Lot # _____ Block# _____ Permit # 27008

Address 14669 SW TUSTENBEE AVE

Product used

Active Ingredient

% Concentration

☐ Premise

Imidacloprid

0.1%

☒ Termidor

Fipronil

0.12% ~~0.06%~~

☐ Bora-Care

Disodium Octaborate Tetrahydrate

23.0%

Type treatment:

☒ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

PLUMBING TRAYS
CUT OUTS

N/A

N/A

10

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 _____.

7/11/08
Date

0800
Time

F254 GUNNY
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

