DATE 02/28/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025577

APPLICANT MARYANN CRAWFORD PHONE 752-5152

ADDRESS 853 SW SISTERS WELCOME RD LAKE CITY FL 32025

OWNER BRUCE & TARA DICKS PHONE 755-9673

ADDRESS 149 SW LUCILLE COURT LAKE CITY FL 32024

CONTRACTOR STANLEY CRAWFORD PHONE 752-5152

LOCATION OF PROPERTY 90W, TL ON 247S, TR ON MAYFAIR, TR ON LUCILLE CT,
2ND ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 77200.00

HEATED FLOOR AREA 1544.00 TOTAL AREA 2158.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 16

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 11-4S-16-02911-317 SUBDIVISION MAYFAIR

LOT 17 BLOCK PHASE UNIT 3 TOTAL ACRES

000001340		RG0042896	Mary Ann Crawford	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
CULVERT	07-0149-N	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

ALTERNATE TERMIT TREATMENT RECEIVED

Check # or Cash 40

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 $ 390.00 CERTIFICATION FEE $ 10.79 SURCHARGE FEE $ 10.79

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 511.58

INSPECTORS OFFICE CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Inst:2007003156 Date:02/08/2007 Time:16:58
DC,P.DeWitt Cason,Columbia County B:1110 P:647

16256

This Instrument Prepared By:
Michael H. Harrell
Abstract & Title Services, Inc.
283 NW Cole Terrace
Lake City, Florida 32055

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

The undersigned hereby give notice that improvements will be made to certain real property and in accordance with Chapter 713, Florida Statues, the following is provided in this Notice of Commencement:

1. Description of Property: Lot 17, of May-Fair Unit 3, a subdivision according to the plat thereof as filed in Plat Book 8, Pages 84-85, of the Public Records of Columbia County, Florida.

2. General Description of Improvement: Construction of Dwelling

3. Owner Information:

   a. Name and Address: Joseph Bruce Dicks, and his wife, Tara Dicks, 179 SE Golf Club Ave, Lake City, FL 32025

   b. Interest in property: Fee Simple

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

4. Contractor (name and address): Stanley Crawford Construction, Inc., 853 SW Sisters Welcome Road, Lake City, FL 32025

5. Surety:

   a. Name and Address: N/A

   b. Amount of Bond: N/A

6. LENDER: First Federal Savings Bank of Florida
   4705 West US Highway 90
   PO Box 2029
   Lake City, FL 32056

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office
P. DeWITT CASON, CLERK OF COURTS
By Sharon Feagle
Deputy Clerk
Date 02-08-07

CLERK CIRCUIT COURT COLUMBIA COUNTY, FL

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

8. In addition to himself, Owner designates PAULA HACKER, of FIRST FEDERAL SAVINGS BANK OF FLORIDA at 4705 WEST US HIGHWAY 90 / PO BOX 2029, LAKE CITY, FL 32056, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes.

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

***Owner is used for singular or plural as context requires.**

Signed, sealed and delivered in the presence:

Cheryl Beaty
WITNESS Cheryl Beaty

Traci Landry
WITNESS Traci Landry

Joseph Bruce Dicks

Tara Dicks

STATE OF FLORIDA
COUNTY OF COLUMBIA

Before me, personally appeared John A. Murray, Jr., to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 8th day of February, 2007.

(SEAL)

NOTARY PUBLIC STATE OF FLORIDA
DORIS M DRAKE
MY COMMISSION # DD537517
EXPIRES: Apr. 5, 2010
(407) 398-0153 Florida Notary Service.com

NOTARY PUBLIC

My Commission Expires:

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
283 Northwest Cole Terrace
Lake City, FL 32055

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 25th day of May, 2006 by

Peter W. Giebelg, A Single Person

Inst:2006012802 Date:05/26/2006 Time:11:57
Doc Stamp-Deed : 454.30
DC,P.DeWitt Cason,Columbia County B:1085 P:33

hereinafter called the grantor, to

Joseph Bruce Dicks, and his wife, Tara Dicks

whose post office address is: 179 SE Golf Club Avenue, Lake City, FL 32025
hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, FLORIDA, viz: Parcel ID# PART OF: R02914-003

Lot 17, MAY-FAIR, Unit 3, a subdivision according to the plat thereof filed in Plat Book 8, Pages 84-85, of the Public Records of Columbia County, Florida.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness
Cheryl Beaty
Printed Name

Witness
Doris M Drake
Printed Name

Peter W. Giebelg

STATE OF FLORIDA
COUNTY OF COLUMBIA

The ~~foregoing instrument was~~ acknowledged before me this 25th day of May, 2006 by Peter W. Giebelg, A ~~Single Person personally known~~ to me or, if not personally known to me, who produced _____ for identification and who did not take an oath.

(SEAL)

DORIS M DRAKE
MY COMMISSION # DD337317
EXPIRES: Apr. 5, 2010
(407) 398-0153 Florida Notary Service.com

Notary Public

My Commission Expires:

Columbia County Building Permit Application

For Office Use Only Application # 0702-71 Date Received 2-26-07 By LH Permit # 1340/25577

Application Approved by - Zoning Official BLK Date 28.02.07 Plans Examiner OKTH 2-28-07 Date 2-28-07

Flood Zone X per Plat Development Permit NA Zoning RSF-2 Land Use Plan Map Category Res. Low Den.

Comments 1ST Floor 1 foot above Rd

☑ NOC ☑ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Mary Ann Crawford Phone (386) 752-5152 Fax

Address 853 SW Sisters Welcome Rd Lake City, FL 32025

Owners Name Bruce and Tara Dicks Phone 755-9673

911 Address 149 SW Lucille Court Lake City, FL 32024

Contractors Name Stanley Crawford Construction Phone (386) 752-5152

Address 853 SW Sisters Welcome Rd. Lake City, FL 32025

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Mark Disosway

Mortgage Lenders Name & Address PO Box 808 Lake City, FL 32056

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

Property ID Number 11-4S-16-02911-317 Estimated Cost of Construction 90,000

Subdivision Name Mayfair Lot 17 Block ___ Unit 3 Phase ___

Driving Directions highway 90 west, Turn left on county Rd 247, Turn right on Mayfair, Turn right Lucille court, second lot on right.

Type of Construction residential Number of Existing Dwellings on Property 0

Total Acreage 1/2 Lot Size 1 Do you need a - (Culvert Permit) or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 50 Side 31 Side 31 Rear 87

Total Building Height 16' 5 1/2" Number of Stories 1 Heated Floor Area 1544 TOTAL 2158 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.

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

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

Stanley Crawford
Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA

JANET L. CHEEK
MY COMMISSION # DD 226496
EXPIRES: June 25, 2007
Bonded Thru Notary Public Underwriters

Sworn to (or affirmed) and subscribed before me
this 23rd day of February 2007.
Personally known ✓ or Produced Identification ___

Stanley Crawford
Contractor Signature
Contractors License Number RG-0042896
Competency Card Number 5627
NOTARY STAMP/SEAL

Janet L. Cheek
Notary Signature

(Revised Sept. 2006)

ATS# 15774

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
283 Northwest Cole Terrace
Lake City, FL 32055

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 25th day of May, 2006 by

Peter W. Giebeig, A Single Person

Inst:2006012902 Date:05/26/2006 Time:11:57
Doc Stamp-Deed : 454.30
DC,P.DeWitt Cason,Columbia County B:1085 P:33

hereinafter called the grantor, to

Joseph Bruce Dicks, and his wife, Tara Dicks

whose post office address is: 179 SE Golf Club Avenue, Lake City, FL 32025
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(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

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TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

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IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness
Cheryl Beaty
Printed Name

Witness
Doris M Drake
Printed Name

Peter W. Giebeig

STATE OF FLORIDA
COUNTY OF COLUMBIA

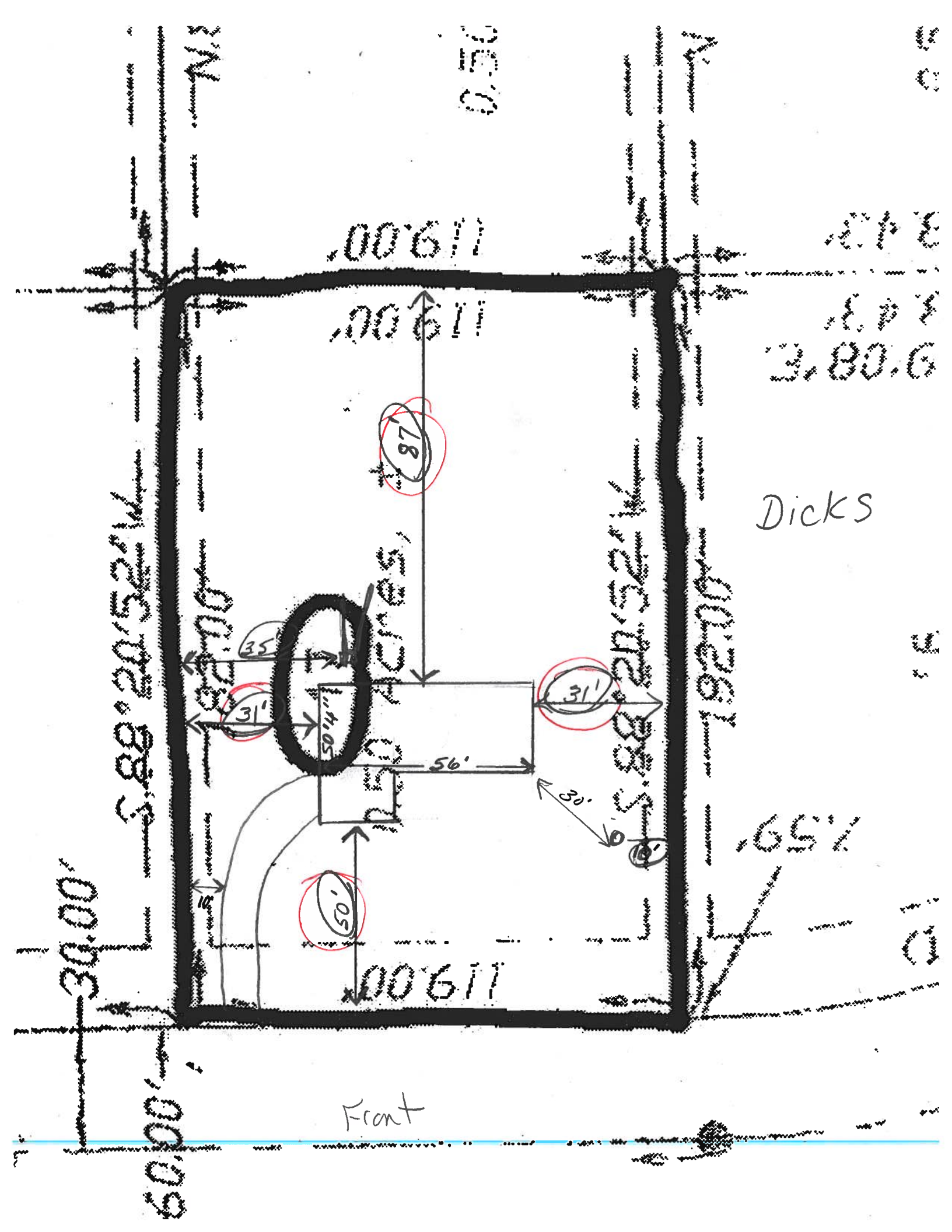
The foregoing instrument was acknowledged before me this 25th day of May, 2006 by Peter W. Giebeig, A Single Person personally known to me or, if not personally known to me, who produced _____ for identification and who did not take an oath.

(SEAL)

DORIS M DRAKE
MY COMMISSION # DD537517
EXPIRES: Apr. 5, 2010
(407) 398-0153 Florida Notary Service.com

Notary Public

My Commission Expires:

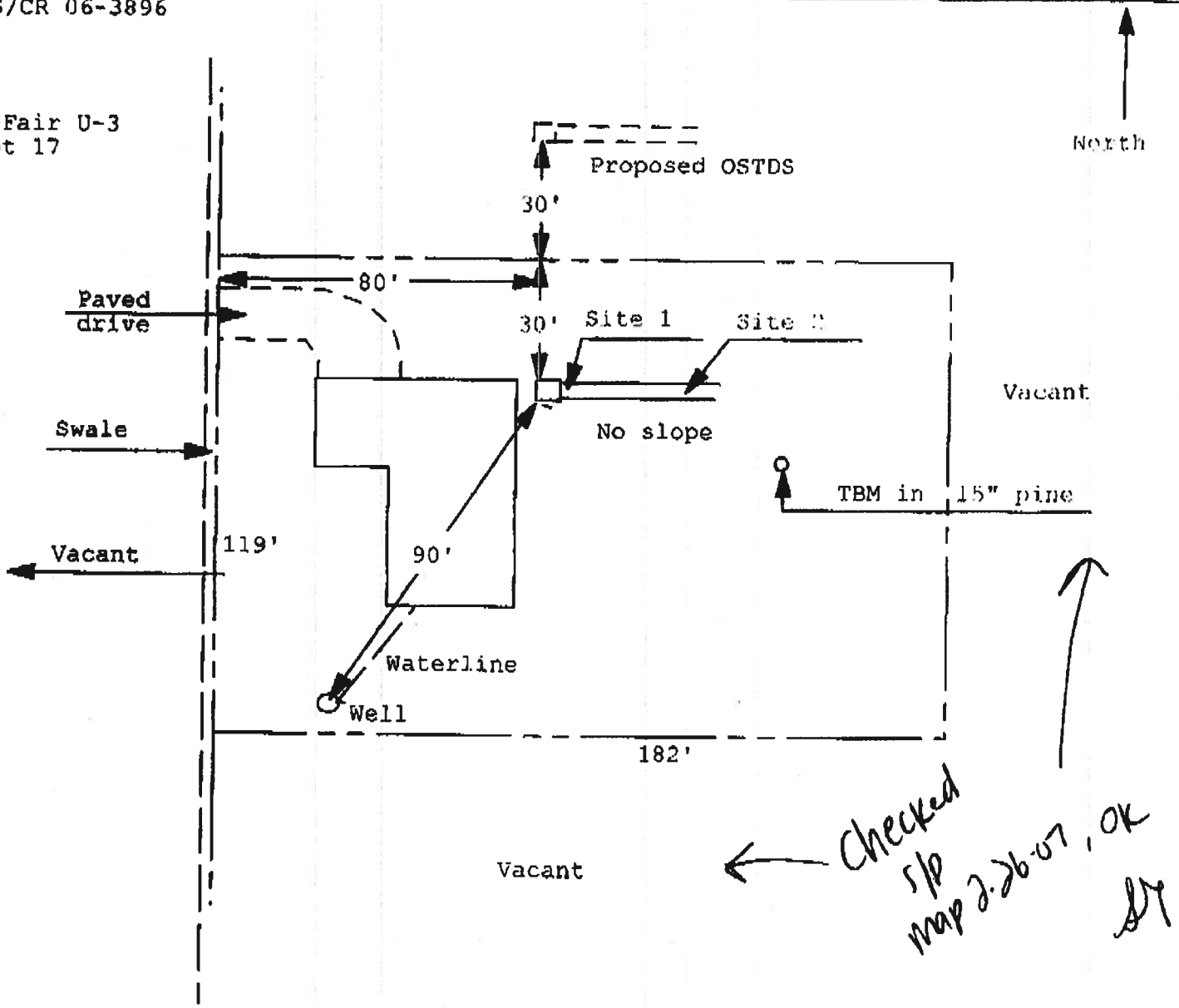

Dicks
Front
87'
35'
31'
31'
40'
56'
30'
10'
10'
50'
119.00'
119.00'
119.00'
119.00'
30.00'
50.00'
S 89° 20' 52" W
S 89° 20' 52" W
N 89° 20' 52" E
N 89° 20' 52" E

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

Permit Application Number: 07-00149N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

DICKS/CR 06-3896



1 inch = 40 feet

Site Plan Submitted By Paul Lloyd Date 2/19/07

Plan Approved ✓ Not Approved ____ Date ____

By Sallie Gladding ES II 2-26-07 CPHU

Notes: Columbia CHD

FORM 600A-2004R EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	DICKS	Builder:	STANLEY CRAWFORD HOME
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	25577
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

1.	New construction or existing	New		
2.	Single family or multi-family	Single family		
3.	Number of units, if multi-family	1		
4.	Number of Bedrooms	3		
5.	Is this a worst case?	Yes		
6.	Conditioned floor area (ft²)	1542 ft²		
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a.	U-factor: (or Single or Double DEFAULT)	7a.	Description Area (Dble Default) 247.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b.	(Clear) 247.0 ft²	
8.	Floor types			
a.	Slab-On-Grade Edge Insulation		R=0.0, 184.0(p) ft	
b.	N/A			
c.	N/A			
9.	Wall types			
a.	Frame, Wood, Exterior		R=13.0, 988.0 ft²	
b.	Frame, Wood, Adjacent		R=13.0, 240.0 ft²	
c.	N/A			
d.	N/A			
e.	N/A			
10.	Ceiling types			
a.	Under Attic		R=30.0, 1542.0 ft²	
b.	N/A			
c.	N/A			
11.	Ducts			
a.	Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 221.0 ft	
b.	N/A			

12.	Cooling systems		
a.	Central Unit	Cap: 33.0 kBtu/hr	
		SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 32.0 kBtu/hr	
		HSPF: 8.00	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	
		EF: 0.92	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Glass/Floor Area: 0.16

Total as-built points: 21936
Total base points: 22159

PASS

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

PREPARED BY: SUNCOAST HOME OFFICE 625 NW 60th Terrace Gainesville, FL 32607 (352) 472-0005 Fax (352) 472-0033

DATE: 2/13/07

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

OWNER/AGENT: Stanley Crawford

DATE: 2/23/07

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.

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

BUILDING OFFICIAL: _____

DATE: _____

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

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	50.0	0.92	3		1.00	2635.00	1.00	7905.0
				As-Built Total:							**7905.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
6134	**8120**	**7905**	**22159**	**6181**	**7850**	**7905**	**21936**

PASS

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**14656.3**	**Winter As-Built Points:**					**15512.1**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 32000 btuh ,EFF(8.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
14656.3	**0.5540**	**8119.6**	15512.1 **15512.1**	1.000 **1.00**	(1.069 x 1.169 x 1.00) **1.250**	0.426 **0.426**	0.950 **0.950**	7849.7 **7849.7**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Point	
.18	1542.0	20.17	5598.0	1.Double, Clear	N	2.0	6.0	47.0	24.58	1.00	1160.0	
				2.Double, Clear	E	2.0	6.0	66.0	18.79	1.06	1315.0	
				3.Double, Clear	S	2.0	6.0	34.0	13.30	1.26	568.0	
				4.Double, Clear	W	2.0	6.0	100.0	20.73	1.04	2161.0	
				As-Built Total:				**247.0**			**5204.0**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	240.0	3.60	864.0	1. Frame, Wood, Exterior			13.0	988.0	3.40		3359.2	
Exterior	988.0	3.70	3655.6	2. Frame, Wood, Adjacent			13.0	240.0	3.30		792.0	
Base Total:	**1228.0**		**4519.6**	**As-Built Total:**				**1228.0**			**4151.2**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	18.0	11.50	207.0	1.Exterior Insulated				36.0	8.40		302.4	
Exterior	36.0	12.30	442.8	2.Adjacent Insulated				18.0	8.00		144.0	
Base Total:	**54.0**		**649.8**	**As-Built Total:**				**54.0**			**446.4**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1542.0	2.05	3161.1	1. Under Attic			30.0	1542.0	2.05 X	1.00	3161.1	
Base Total:	**1542.0**		**3161.1**	**As-Built Total:**				**1542.0**			**3161.1**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	184.0(p)	8.9	1637.6	1. Slab-On-Grade Edge Insulation			0.0	184.0(p	18.80		3459.2	
Raised	0.0	0.00	0.0									
Base Total:			**1637.6**	**As-Built Total:**				**184.0**			**3459.2**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1542.0	-0.59	-909.8					1542.0	-0.59		-909.8	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 18873.9			**Summer As-Built Points: 20017.1**					
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 33000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
18873.9	0.3250	6134.0	20017 **20017.1**	1.00 **1.00**	(1.09 x 1.147 x 1.00) **1.250**	0.260 **0.260**	0.950 **0.950**	6181.4 **6181.4**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1542.0	18.59	5160.0	1.Double, Clear	N	2.0	6.0	47.0	19.20	0.90	812.0	
				2.Double, Clear	E	2.0	6.0	66.0	42.06	0.85	2354.0	
				3.Double, Clear	S	2.0	6.0	34.0	35.87	0.78	946.0	
				4.Double, Clear	W	2.0	6.0	100.0	38.52	0.85	3272.0	
				As-Built Total:				**247.0**			**7384.0**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	240.0	0.70	168.0	1. Frame, Wood, Exterior			13.0	988.0	1.50		1482.0	
Exterior	988.0	1.70	1679.6	2. Frame, Wood, Adjacent			13.0	240.0	0.60		144.0	
Base Total:	**1228.0**		**1847.6**	**As-Built Total:**				**1228.0**			**1626.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	18.0	2.40	43.2	1.Exterior Insulated				36.0	4.10		147.6	
Exterior	36.0	6.10	219.6	2.Adjacent Insulated				18.0	1.60		28.8	
Base Total:	**54.0**		**262.8**	**As-Built Total:**				**54.0**			**176.4**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1542.0	1.73	2667.7	1. Under Attic			30.0	1542.0	1.73 X 1.00		2667.7	
Base Total:	**1542.0**		**2667.7**	**As-Built Total:**				**1542.0**			**2667.7**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	184.0(p)	-37.0	-6808.0	1. Slab-On-Grade Edge Insulation			0.0	184.0(p	-41.20		-7580.8	
Raised	0.0	0.00	0.0									
Base Total:			**-6808.0**	**As-Built Total:**				**184.0**			**-7580.8**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1542.0	10.21	15743.8					1542.0	10.21		15743.8	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.6

The higher the score, the more efficient the home.

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 33.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	1542 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 247.0 ft²		a. Electric Heat Pump	Cap: 32.0 kBtu/hr
	b. SHGC:				HSPF: 8.00
	(or Clear or Tint DEFAULT) 7b.	(Clear) 247.0 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 184.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 50.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 988.0 ft²			EF: 0.92
	b. Frame, Wood, Adjacent	R=13.0, 240.0 ft²		b. N/A	
	c. N/A				
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10.	Ceiling types		15.	HVAC credits	PT,
	a. Under Attic	R=30.0, 1542.0 ft²		(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
	b. N/A				
	c. N/A				
11.	Ducts				
	a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 221.0 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: Stanley Crapo Date: 2/23/07

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

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

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

MEMBER OF The North Central Florida Water Well

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

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

K. Melaine "Red" Clyatt

June 18, 2002

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

To Whom It May Concern:

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

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

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

Respectfully,

CLYATT WELL DRILLING, INC.

K. Melaine "Red" Clyatt
President

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

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

PUMP AND TANK SPECIFICATIONS FOR
STANDARD 4" RESIDENTIAL WELLS

PUMPS

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

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

TANK

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

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001340

DATE 02/28/2007 PARCEL ID # 11-4S-16-02911-317

APPLICANT MARYANN CRAWFORD PHONE 752-5152

ADDRESS 853 SW SISTERS WELCOME RD LAKE CITY FL 32025

OWNER BRUCE & TARA DICKS PHONE 755-9673

ADDRESS 149 SW LUCILLE COURT LAKE CITY FL 32024

CONTRACTOR STANLEY CRAWFORD PHONE 752-5152

LOCATION OF PROPERTY 90W, TL ON 247S, TR ON MAYFAIR, TR ON LUCILLE COURT,
2ND LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MAYFAIR 17

SIGNATURE

INSTALLATION REQUIREMENTS

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

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 11-4S-16-02911-317 **Building permit No.** 000025577

Use Classification SFD,UTILITY **Fire:** 16.74

Permit Holder STANLEY CRAWFORD **Waste:** 50.25

Owner of Building BRUCE & TARA DICKS **Total:** 66.99

Location: 149 SW LUCILLE CT, LAKE CITY, FL

Date: 07/03/2007

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

wrightsoft

Project Summary
Entire House
Touchstone Heating and Air, Inc.

Job: Dicks Residence
Date: Feb 12, 2007
By: TE

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

Project Information

For: Stanley Crawford Construction
1631 SW Commercial Glen, Lake City, Fl 32025
Phone: 386-752-5152 Fax: 386-755-2165

Notes:

Design Information

Weather: Jacksonville, Cecil Field NAS, FL, US

Winter Design Conditions

Outside db	34 °F
Inside db	70 °F
Design TD	36 °F

Summer Design Conditions

Outside db	95 °F
Inside db	75 °F
Design TD	20 °F
Daily range	M
Relative humidity	50 %
Moisture difference	40 gr/lb

Heating Summary

Structure	14845 Btuh
Ducts	6233 Btuh
Central vent (92 cfm)	3616 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	24693 Btuh

Sensible Cooling Equipment Load Sizing

Structure	16546 Btuh
Ducts	8210 Btuh
Central vent (92 cfm)	2009 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	1.00
Equipment sensible load	26765 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1541	1541
Volume (ft³)	14528	14528
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	92	48

Latent Cooling Equipment Load Sizing

Structure	2724 Btuh
Ducts	1443 Btuh
Central vent (92 cfm)	2503 Btuh
Equipment latent load	6671 Btuh
Equipment total load	33435 Btuh
Req. total capacity at 0.70 SHR	3.2 ton

Heating Equipment Summary

Make Trane
Trade
Model 2TWR4036A1

Efficiency	8.2 HSPF
Heating input	
Heating output	33400 Btuh @ 47°F
Temperature rise	25 °F
Actual air flow	1200 cfm
Air flow factor	0.057 cfm/Btuh
Static pressure	0.00 in H2O
Space thermostat	

Cooling Equipment Summary

Make Trane
Trade
Cond 2TWR4036A1
Coil TWE042P13

Efficiency	13 SEER
Sensible cooling	25200 Btuh
Latent cooling	10800 Btuh
Total cooling	36000 Btuh
Actual air flow	1200 cfm
Air flow factor	0.048 cfm/Btuh
Static pressure	0.00 in H2O
Load sensible heat ratio	0.80

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

The Florida Department of Community Affairs
Building Code Information System

SITE NAVIGATION

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 sschreiber@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:
Go

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

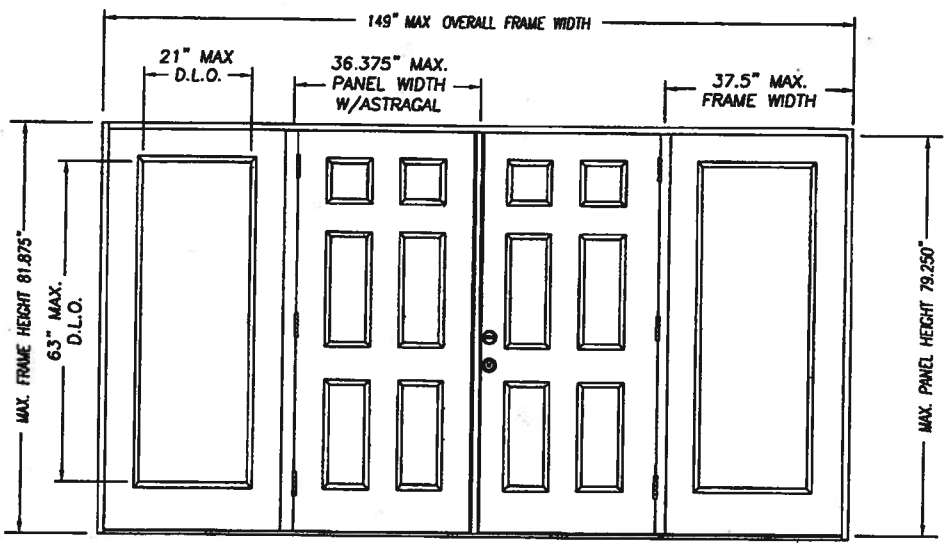
4904.5	Wood-edge Steel Side-Hinged Door Units	8'-0" Opaque O/S w/ or w/o Sidelites	locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed 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 8'-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

Masonite

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



DOUBLE INSWING UNIT W/SIDELITES

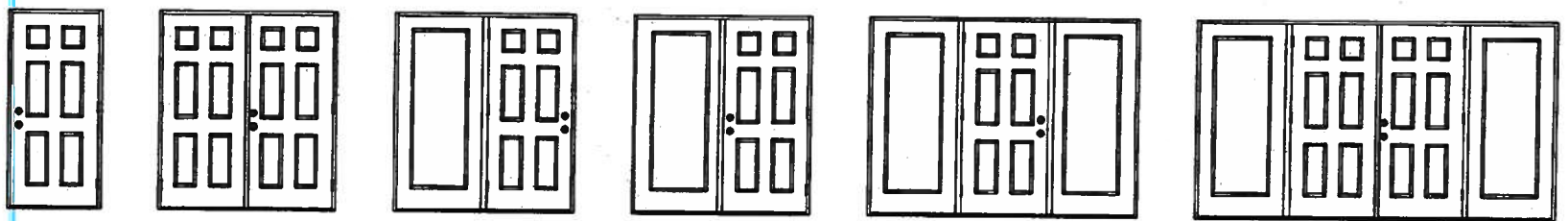
Addendum to NAMI
Certification No.: NT006110
Reviewed By:
Date Reviewed: 8/10/05

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



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

TABLE OF CONTENTS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE	
		INSWING	OUTSWING	INSWING	OUTSWING
X	37.5"	+76.0 / -76.0	+76.0 / -76.0	+19.0 / -19.0	+55.0 / -55.0
XX	74"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OX or XO	75"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OXO	112.5"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OXXO	149"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0

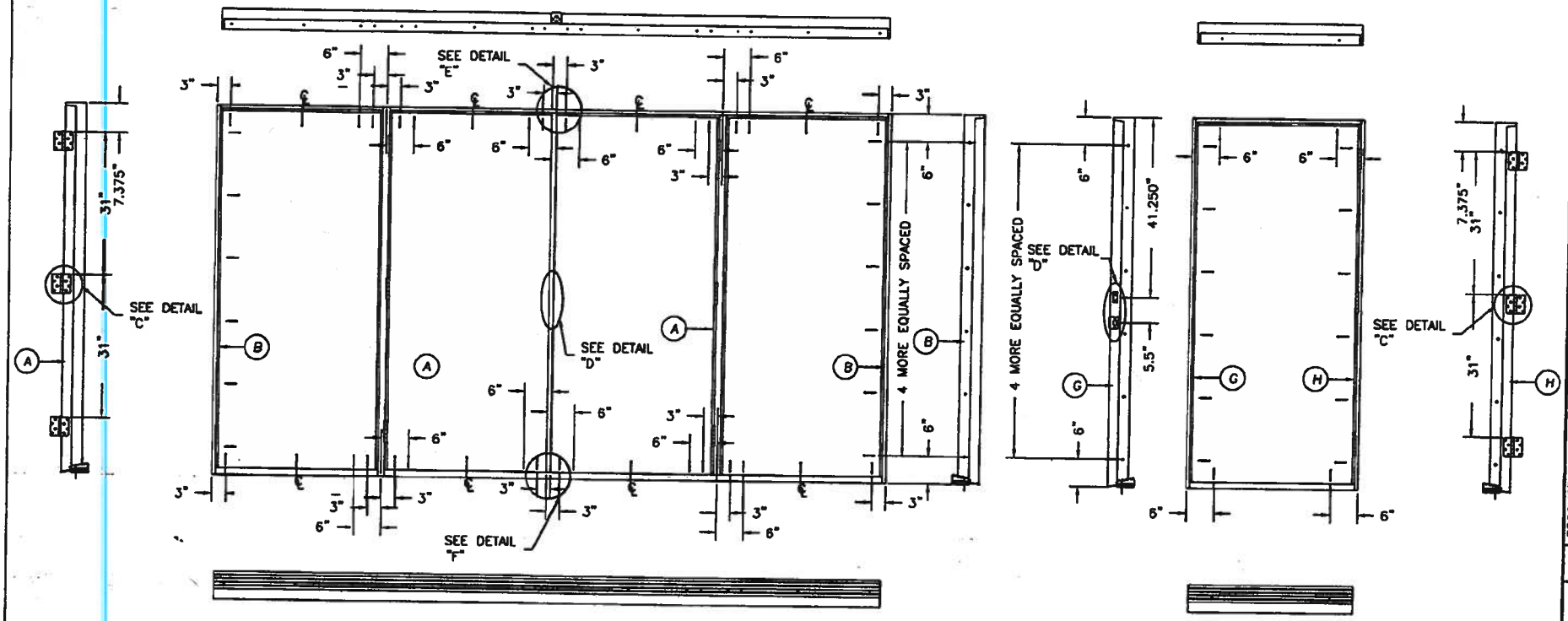
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

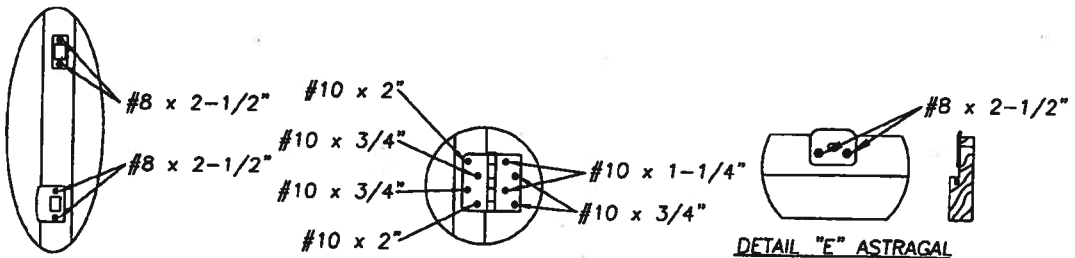
PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'8" OPAQUE WOOD-EDGE STEEL DOOR

PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

NO.	DATE	REVISIONS	BY

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0128-05
SHEET 1 OF 3



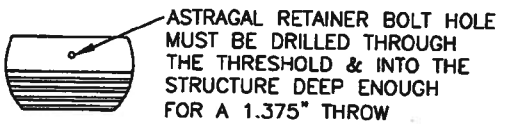


DETAIL "D"

DETAIL "C"

DETAIL "E" ASTRAGAL

ATTACH ASTRAGAL RETAINER BOLT STRIKE PLATE TO FRAME AS SHOWN.

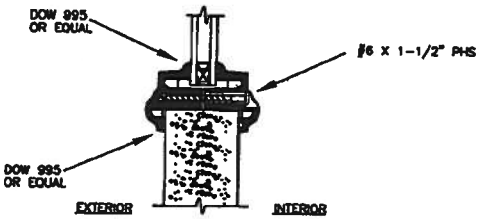


DETAIL "F" ASTRAGAL

INSWING THRESHOLD

OUTSWING THRESHOLD

Addendum to NAMI
Certification No.: NT006110
Reviewed By:
Date Reviewed: 8/10/05



TYPICAL GLAZING DETAIL

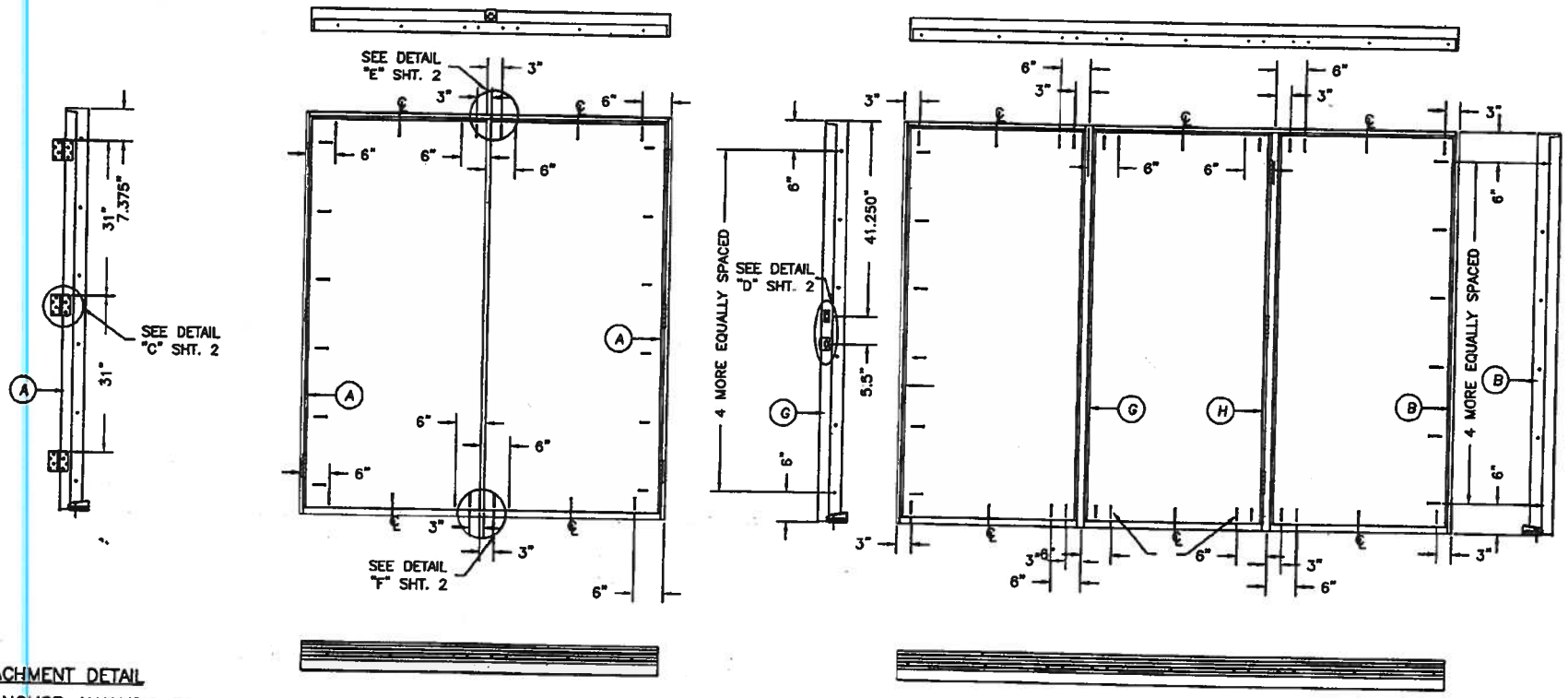
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'-8" OPAQUE WOOD-EDGE STEEL DOOR

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

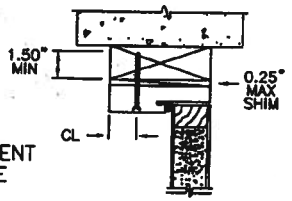
NO.	DATE	REVISIONS	BY

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0128-05
SHEET 2 OF 3



ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY HAROLD E. RUPP, PE (FLORIDA #15935) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 3/16" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION.
2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&PA NDA FOR SOUTHERN PINE LUMBER AND ACHEIVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.



TYPICAL ANCHOR INSTALLATION

HARDWARE SCHEDULE

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

Addendum to NAMI
Certification No.: NTOO6110
Reviewed By:
Date Reviewed: 8/10/05

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

PRODUCT: "EXTERIOR DOOR PRODUCT" 6'-8" WOOD-EDGE STEEL OPAQUE DOUBLE DOOR UNIT

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

REVISIONS

NO.	DATE	BY

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0128-05
SHEET 3 OF 3

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.

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.

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.Namicertification.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: 30" 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

National Accreditation & Management Institute, Inc./11870 Merchants Walk Suite 202/Newport News, VA 23606
Tel-757.594.8658/Fax-757.594.8659

NAMI AUTHORIZED SIGNATURE: _____

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

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.Namicertification.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 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
OXXO 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
OXXO 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
OXXO 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
OXXO 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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Tel-757.594.8658/Fax-757.594.8659

NAMI AUTHORIZED SIGNATURE: _____

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

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.Namicertification.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	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
OXXO 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
OXXO 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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Tel-757.594.8658/Fax-757.594.8659

NAMI AUTHORIZED SIGNATURE: _____

Summary of Products

FL #	Model, Number or Name	Description
2896.1	SERIES 2900 F VINYL	BRICK MOLD
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** SERIES 2900 F VINYL 44 X 72 R50		**Certification Agency Certificate** **Installation Instructions** PTID_2896_R1_I_2900.pdf Verified By:

ETC Laboratories
Measuring Up To Your Standards, And More

Corporate Office / Laboratories
297 Buell Road
Rochester, NY 14624-3102
Tel: (585) 328-7668
Fax: (585) 328-7777
http://www.etclabs.com

Insulating Glass Division
Jim Spetz Testing Laboratory
29633 Lakeland Blvd.
Wickliffe, OH 44092-2203
Tel: (440) 944-3665
Fax: (440) 944-3671

Fenestration Structural Test Report

Rendered To:

Action Windoor Technology, Inc.
1312 W. Crosby Road
Carrollton, TX 75006

Series/Model
2900F Single Hung Oriel (O/X)

Report Number
ETC-04-809-15249.A

Report Number: ETC-04-809-15249.A
Test Start Date: 03/16/04
Test Finish Date: 03/16/04
Report Date: 03/24/04
Expiration Date: 03/24/08

Fenestration Structural Test Report

Rendered To:

Action Windoor Technology, Inc.
1312 W. Crosby Road
Carrollton, TX 75006

Series/Model

2900F Single Hung Oriel (O/X)

Description: The product tested was a vinyl Single Hung window. The test specimen was glazed with 5/8-inch thick insulating glass units constructed with annealed glass, utilizing double strength glass in the fixed light and single strength glass in the operable sash. The frame size was 44 inches wide by 72 inches high by 2-13/16 inches deep. See Appendix A.

Test Specification: ANSI/AAMA/NWWDA 101/I.S.2

Summary of Results

Overall Design Pressure	50.0 psf
Air Leakage Rate	0.15 scfm/ft^2
Maximum Water Pressure Achieved	7.50 psf
Maximum Structural Pressure Achieved	75.0 psf
Forced Entry Resistance – (ASTM)	Grade 10
Product Designation	**H–R50 44 x 72**

Specifications: The test specimen was evaluated in accordance with ANSI/AAMA/NWWDA 101/I.S.2 "Voluntary Specification for Aluminum, Vinyl and Wood Windows and Glass Doors", Sections 1, 2 and 4 only. All performance specifications in this standard shall be met for full compliance to the standard and for product certification, labeling or represented as conforming to this standard.

Referenced Test Reports: ETC-03-034-14092.0, ETC-03-034-14918.0
Note – The test data in any section below with an "RTR" comment have not been obtained from this specimen but from the Referenced Test Report with a specimen of the same or larger size and identical construction.

Design Pressure (DP): The product tested herein has been first evaluated to the Gateway pressure in the referenced specification for the performance class rating achieved.

Gateway Performance Tests

Specification Paragraph	Title of Test	Results	Allowed
2.1.2	*Air Infiltration – ASTM E283*	RTR	
	Test Pressure - 1.57 psf	0.15 scfm/ft^2	0.30 scfm/ft^2
	The tested specimen exceeds the performance levels specified in ANSI/AAMA/NWWDA 101/I.S.2 for air infiltration.		
2.1.3	*Water Resistance – ASTM E547*	RTR	
	5 gal/hr-ft^2 – 4 Test cycles – 24 Minutes		
	Design Pressure - 15.0 psf		
	Test Pressure – 2.86 psf		
	With and Without Screen	Pass	No Leakage
2.1.4.2	*Uniform Structural Load - ASTM E330*		
	Design Pressure - 15.0 psf		
	Test Pressure		
	Positive Load – 22.5 psf (150% x DP)	0.002 in.	0.160 in.
	Negative Load – 22.5 psf (150% x DP)	0.017 in.	0.160 in.
	Note: Measurement taken after load from center of the meeting rail		
2.1.7	*Corner Weld*	RTR	
	Frame – 4 Corners	Pass	< 100%
	Sashes – 4 Corners	Pass	< 100%
2.1.8	*Forced Entry Resistance - ASTM F588*		
	Lock/Tool Manipulation	Pass	No Entry
	Tests A1 through A7	Pass	No Entry
	Lock/Tool Manipulation	Pass	No Entry
2.2.1.6.1	*Operating Force – No Standardized Method*		
	Bottom Sash – Open/Close	14/12 lbf	30 lbf

Gateway Performance Tests

Specification Paragraph	Title of Test		Results	Allowed
2.2.1.6.2	*Deglazing – ASTM E987*		RTR	
	Bottom Sash:	Left Stile - 50 lbf	0.0%	<100%
		Right Stile - 50 lbf	0.0%	<100%
		Top Rail - 70 lbf	0.0%	<100%
		Bottom Rail - 70 lbf	0.0%	<100%

Optional Performance Tests

The manufacturer specified herein has successfully achieved all the required criteria in Section 2 of the referenced specification for the Gateway size of the achieved Performance Rating and has further successfully tested the product to higher performance levels as indicated below.

Design Pressure (DP): The product tested herein has been additionally evaluated to the Design Pressure referenced below.

Specification Paragraph	Title of Test	Results	Allowed
4.3	*Water Resistance - ASTM E547*	RTR	
	5 gal/hr-ft^2 – 4 Test cycles – 24 Minutes		
	Design Pressure - 50.0 psf		
	Test Pressure – 7.5 psf (15% x DP)		
	With and Without Screen	Pass	No Leakage
4.4	*Uniform Structural Load - ASTM E330*		
	Design Pressure - 50.0 psf		
	Test Pressure		
	Positive Load – 75.0 psf (150% x DP)	0.111 in.	0.160 in.
	Negative Load – 75.0 psf (150% x DP)	0.102 in.	0.160 in.
	Note: Measurement taken after load from center of the meeting rail		

INSTALLATION INSTRUCTIONS

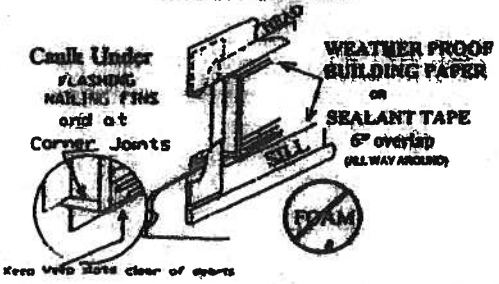
ROUGH OPENING

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

FLASHING & INSTALLATION

1. All series of windows rough openings will be call out with exception of series 4300. Series 4300 rough opening requires ½" added to width and height.
2. SILL: Cut weather resistant building material (minimum 6" wide) to fit horizontally immediately below the sill extending 6" past each side of rough opening. Apply sealant to top lip of flashing and fasten across top. Leave bottom of sill flashing loose for further wall treatment.
3. INSTALL WINDOW: Apply sealant around interior side of nailing fin and to outside joints at each corner of the window. Use shim blocks as necessary to sit window level and square. Fasten with 1 ½" galvanized roofing nails or #8 sheet metal screws no less than 3" from corners and maximum 12" apart. Fasteners must be driven straight into wall, not at angle. Do not use power nailers as they may damage and bow nailing fin. Test opening sash during process.
4. JAMBS: Next, cut and apply sealant to edge of 6" weatherproof building material and fasten over window jamb nailing s. Jamb flashing should extend six inches above head and below sill.
5. HEAD: Apply sealant and fasten 6" weatherproof building material over window head nailing fin and extending on each side 6" to cover jamb flashing.
6. NAILING: Nailing fin is not a water-moisture barrier.
7. COOLING – HEATING: Vents facing windows can cause excessive condensation to form.

FLASHING GUIDE



ATTENTION

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

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

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

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

CONSULT WITH LOCAL BUILDING CODES BEFORE INSTALLATION.

Architectural

ELK Premium Roofing

March 6, 2002

Subject: Elk Product Approval Information

All Prestique® and Capstone® products manufactured in Tuscaloosa, AL are certified under the Miami – Dade County Building Code Office (BCCO). These products also meet the requirements for the Florida Building Code since they are MD approved. The following test protocols must be passed by each of the products in order for MD product certification:
ASTM D3462
PA 100 (110 mph uplift and wind driven rain resistance)
PA 107 (Modified ASTM D3161 - 110 mph wind uplift resistance)

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

Raised Profile, Prestique High Definition, Prestique 25, or Prestique 30 –
PA 100 = 4 nails
PA 107 = 5 nails
MD NOA# = 01-1226.04

Prestique I 35 or Prestique I* –
PA 100 = 4 nails
PA 107 = 5 nails
MD NOA# = 01-1226.05

Prestique Plus or Prestique Gallery Collection* –
PA 100 = 4 nails
PA 107 = 4 nails
MD NOA# = 01-1226.03

Capstone*
PA 100 = 4 Nails
PA 107 = 4 Nails
MD NOA# = 01-0523.01

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

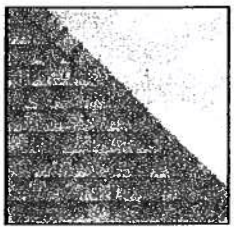
If there are any questions please contact:

Mike Reed – Technical Manager
(205) 342-0287

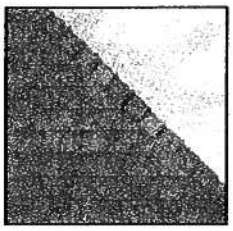
or

Daniel DeJarnette – QA Engineer
(205) 342-0298

ELK Roofing Products Specifications – Tuscaloosa, AL



PRESTIQUE®
HIGH DEFINITION®



RAISED PROFILE™

Prestique Plus *High Definition* and Prestique Gallery Collection®

Product size	13¼"x 39¾"
Exposure	5⅝"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq.ft.
Squares/Pallet	11

50-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

Raised Profile

Product size	13¼"x 38¾"
Exposure	5⅝"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

30-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

Prestique I *High Definition*

Product size	13¼"x 39¾"
Exposure	5⅝"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq.ft.
Squares/Pallet	14

40-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

Prestique *High Definition*

Product size	13¼"x 38¾"
Exposure	5⅝"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

30-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/*FLX*™

Size: 12"x 12"
Exposure: 6⅝"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Elk Starter Strip

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

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

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

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

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

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

***See actual limited warranty for conditions and limitations.**
****Check for product availability.**

Specifications

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

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

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

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

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

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

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

Southeast & Atlantic Office:
800.945.5551

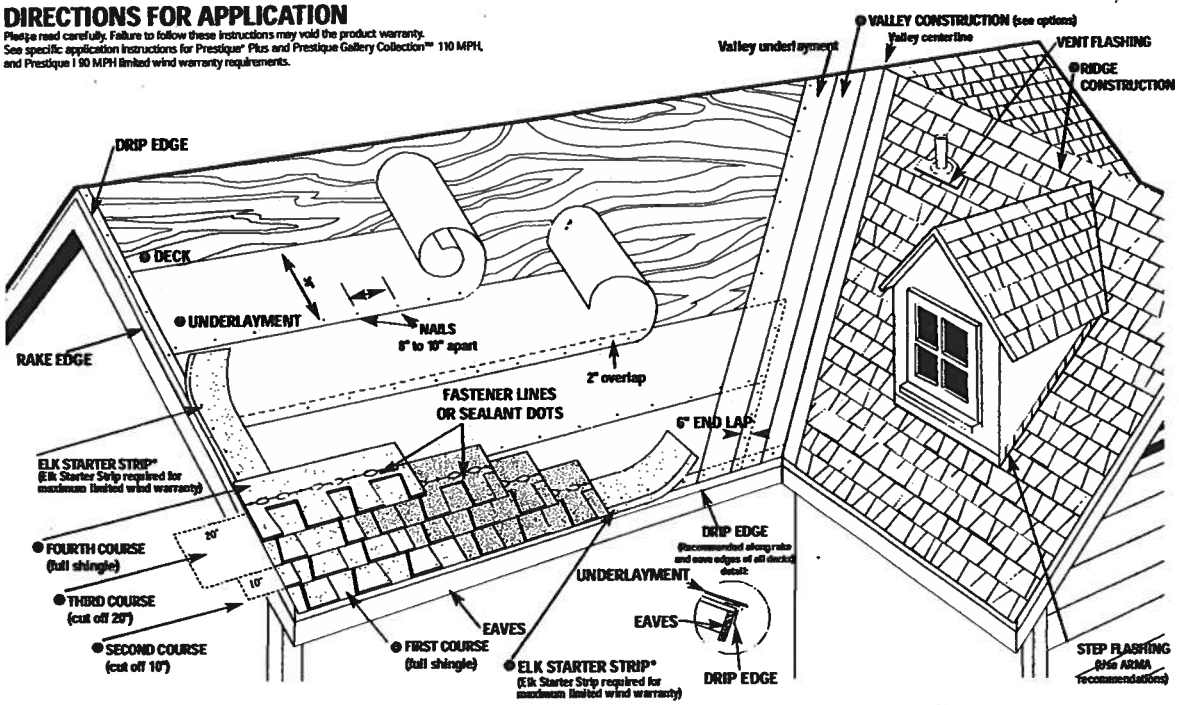
Corporate Headquarters:
800.354.7732

Plant Location:
800.945.5545

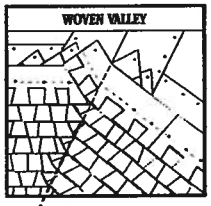
ELK
www.elkcorp.com

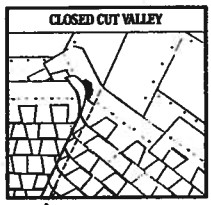
DIRECTIONS FOR APPLICATION

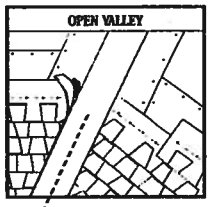
Please read carefully. Failure to follow these instructions may void the product warranty.
See specific application instructions for Prestique® Plus and Prestique Gallery Collection™ 110 MPH, and Prestique I 90 MPH limited wind warranty requirements.



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







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.

❷ DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" 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.

❸ UNDERLAYMENT

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

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

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

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

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

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

❹ STARTER SHINGLE COURSE

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

❹ FIRST COURSE

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

❹ SECOND COURSE

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

❹ THIRD COURSE

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

❹ FOURTH COURSE

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

FIFTH AND SUCCEEDING COURSES.

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

❶ 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 18" metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

❺ RIDGE CONSTRUCTION

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

FASTENERS

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

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

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

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

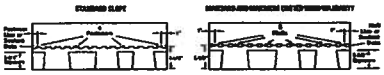
Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less.

MANSARD APPLICATIONS

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

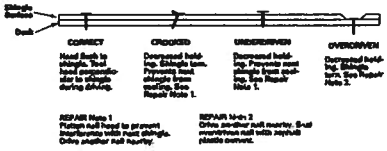
LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 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 edges 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 sealant dots. CAUTION: Do not use fastener line for shingle alignment.



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

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

ELK

www.elkcorp.com

FLORIDA DEPARTMENT OF
Community Affairs

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Product Approval
USER: Public User

FL #	FL1476-R2
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	☒
Product Manufacturer	Elk Corporation
Address/Phone/Email	4600 Stillman Blvd. Tuscaloosa, AL 35401 (205) 342-0298 daniel.dejarnette@elkcorp.com
Authorized Signature	Daniel DeJarnette daniel.dejarnette@elkcorp.com
Technical Representative	Daniel DeJarnette
Address/Phone/Email	4600 Stillman Blvd Tuscaloosa, AL 35401 (205) 342-0298 daniel.dejarnette@elkcorp.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Roofing
Subcategory	Asphalt Shingles
Compliance Method	Certification Mark or Listing
Certification Agency	Underwriters Laboratories Inc.

Referenced Standard and Year (of Standard)	**Standard** ASTM D3462 TAS 107
Equivalence of Product Standards Certified By	
Product Approval Method	Method 1 Option A
Date Submitted	09/20/2005
Date Validated	09/27/2005
Date Pending FBC Approval	09/29/2005
Date Approved	10/11/2005

Summary of Products

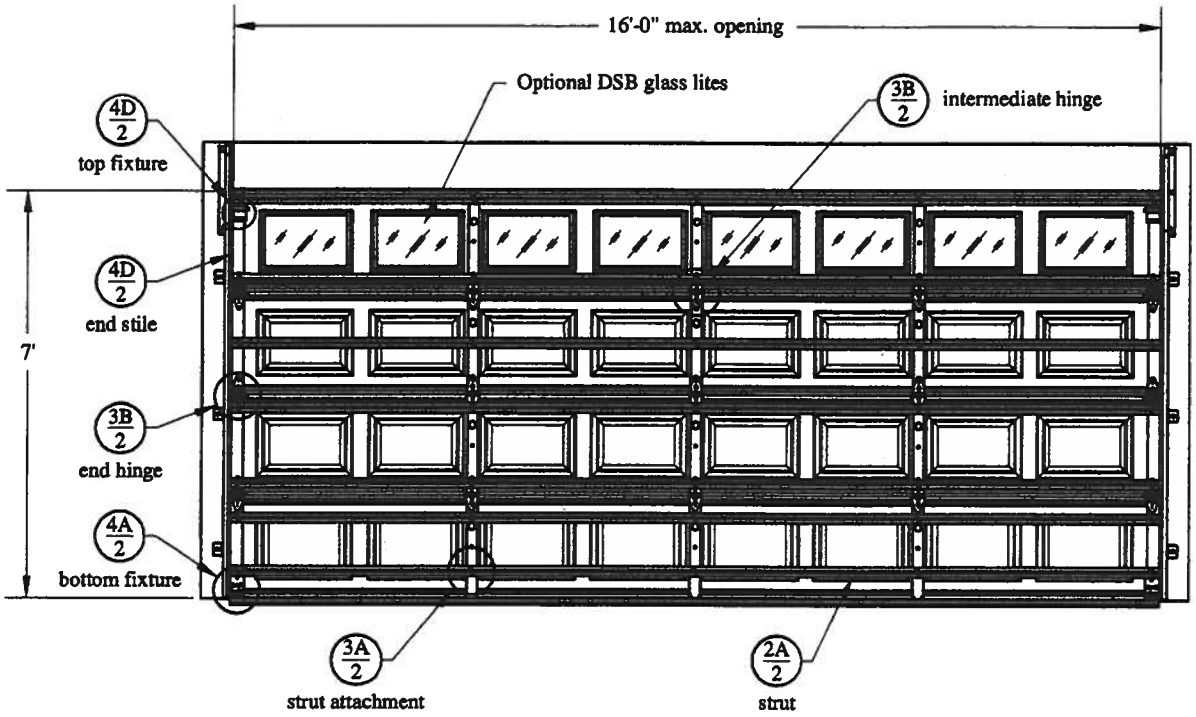
FL #	Model, Number or Name	Description
1476.1	Elk Prestique Shingles	Laminated Asphalt Shingl
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 1) All FBC sections apply except for those pertaining to Miami - Dade and Broward Counties 2) Refer to NOA # 0500706.07 for use in Dade and Broward Counties		**Certification Agency Ce** **Installation Instruction** PTID 1476 R2 I Specs PTID 1476 R2 I UL Pre Verified By:

Back Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

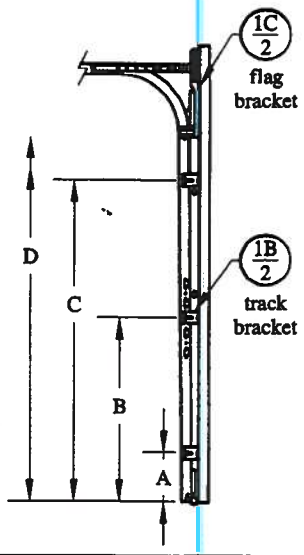
Product Approval Accepts:



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.

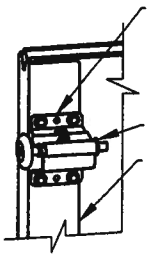
Professional Engineer's seal provided only for verification of windload construction details

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

FL 5519

C.H.I.

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



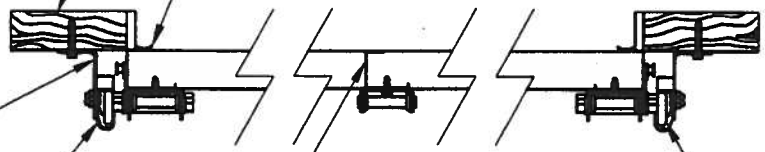
14 gauge (.070) galvanized steel top fixture. Each fixture attached with four 1/4" x 3/4" screws.

push nut

20 gauge (.036) end stile manufactured by C.H.I.
Strut, if applicable, not shown 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.

2" x 7/16" (nominal) Stop molding required (not supplied by C.H.I.)



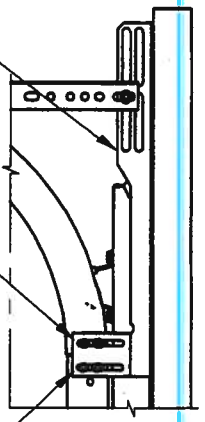
12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

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

2" steel roller

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.

Details on some views may have been omitted for clarity.



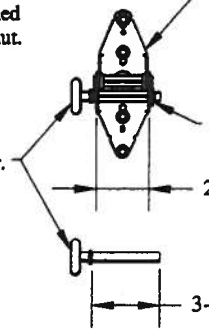
12 gauge (.086) galvanized steel flag bracket fastened to wood jamb with three 5/16" x 1-5/8" wood lag screws.

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

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

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

push nut

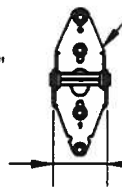


2" steel track roller.

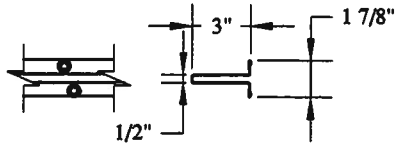
2 3/4"

3-1/2" (min.) stem

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



2 3/4"

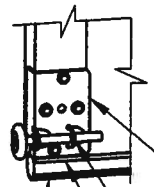


3"

1 7/8"

1/2"

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

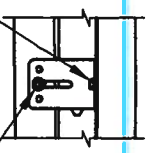


Vinyl weatherstrip

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

push nut

Aluminum extrusion



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

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

Design Load: 18.5 pos / 20.7 neg
Test Load: 27.8 pos / 31.1 neg

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.

SCALE nts

DATE 10-25-2005

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

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T4V8228Z0114143517

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-054--Stanley Crawford Construc DICKS RES. -- , **
Truss Count:	32
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.33, 7.24.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 02/14/2007

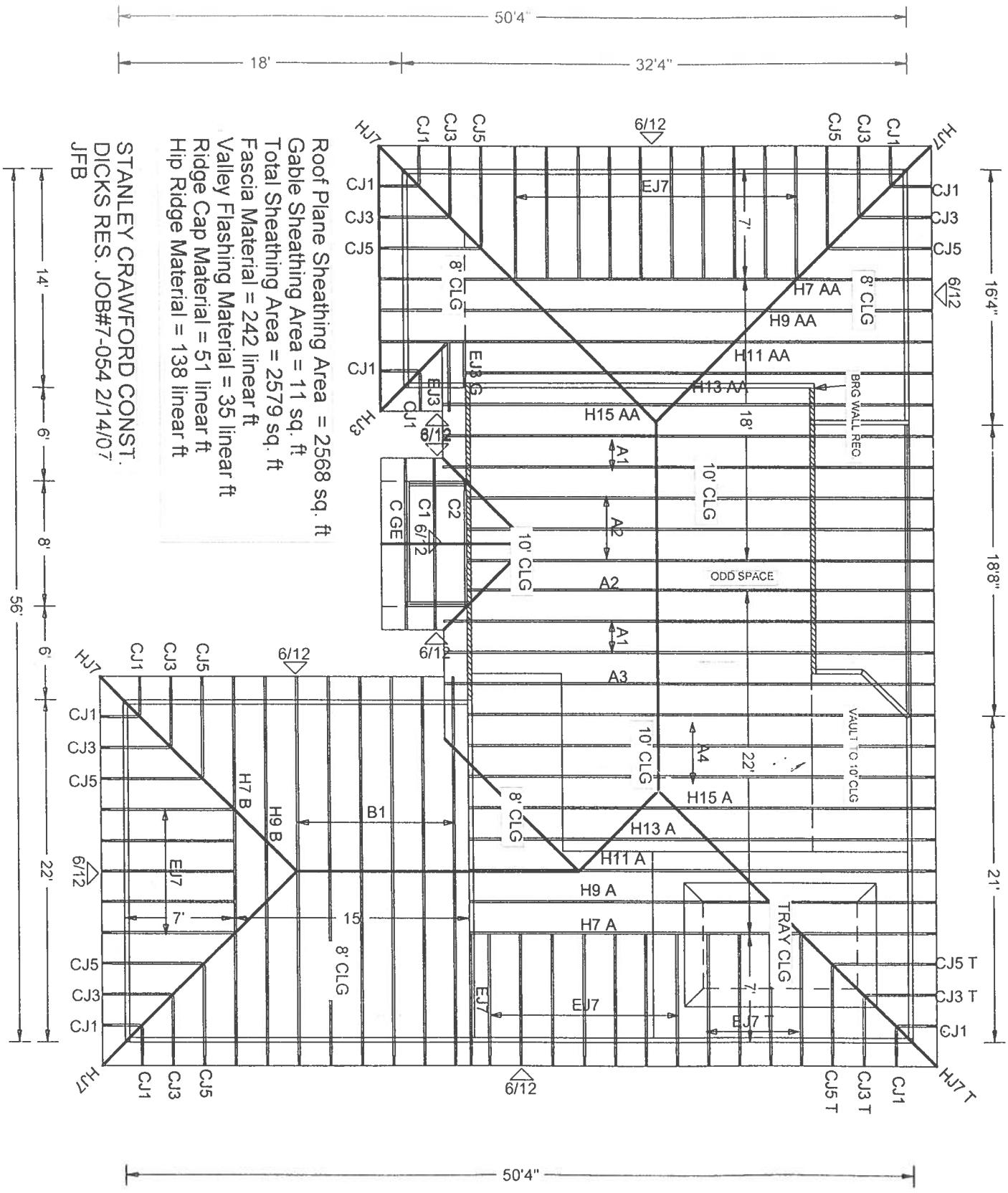
-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: BRCLBSUB-A11015EE-GBLLETIN-

#	Ref Description	Drawing#	Date
1	99894--H7 A	07045079	02/14/07
2	99895--H7 AA	07045078	02/14/07
3	99896--H9 A	07045049	02/14/07
4	99897--H11 A	07045050	02/14/07
5	99898--H13 A	07045051	02/14/07
6	99899--H15 A	07045052	02/14/07
7	99900--A4	07045053	02/14/07
8	99901--A3	07045054	02/14/07
9	99902--A1	07045055	02/14/07
10	99903--A2	07045056	02/14/07
11	99904--H15 AA	07045057	02/14/07
12	99905--H13 AA	07045058	02/14/07
13	99906--H11 AA	07045059	02/14/07
14	99907--H9 AA	07045060	02/14/07
15	99908--H7 B	07045077	02/14/07
16	99909--H9 B	07045076	02/14/07
17	99910--B1	07045075	02/14/07
18	99911--C GE	07045069	02/14/07
19	99912--C1	07045068	02/14/07
20	99913--C2	07045070	02/14/07
21	99914--EJ7	07045064	02/14/07
22	99915--CJ5	07045063	02/14/07
23	99916--HJ7	07045065	02/14/07
24	99917--CJ3	07045062	02/14/07
25	99918--CJ1	07045061	02/14/07
26	99919--HJ7 T	07045074	02/14/07
27	99920--HJ3	07045067	02/14/07
28	99921--EJ7 T	07045073	02/14/07
29	99922--CJ5 T	07045072	02/14/07
30	99923--CJ3 T	07045071	02/14/07
31	99924--EJ3 G	07045080	02/14/07
32	99925--EJ3	07045066	02/14/07



Roof Plane Sheathing Area = 2568 sq. ft
Gable Sheathing Area = 11 sq. ft
Total Sheathing Area = 2579 sq. ft
Fascia Material = 242 linear ft
Valley Flashing Material = 35 linear ft
Ridge Cap Material = 51 linear ft
Hip Ridge Material = 138 linear ft

STANLEY CRAWFORD CONST.
DICKS RES. JOB#7-054 2/14/07
JFB

JOB DESCRIPTION:: Stanley Crawford Construc /: DICKS RES.	JOB NO: 7-054	PAGE NO: 1 OF 1

(7-054--Stanley Crawford Construc DICKS RES. -- , ** - H7 A)

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 :B2 2x4 SP #2 Dense:
:B4 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W2, W7 2x4 SP #2 Dense:

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	62 PLF at	-1.50 to	62 PLF at	7.00		
TC - From	62 PLF at	7.00 to	62 PLF at	28.33		
BC - From	4 PLF at	-1.50 to	4 PLF at	0.00		
BC - From	20 PLF at	0.00 to	20 PLF at	2.29		
BC - From	26 PLF at	2.29 to	26 PLF at	3.49		
BC - From	20 PLF at	3.49 to	20 PLF at	13.38		
BC - From	26 PLF at	13.38 to	26 PLF at	14.58		
BC - From	20 PLF at	14.58 to	20 PLF at	28.33		

TC - 411 LB Conc. Load at 7.06
PLT- 186 LB Conc. Load at (9.06,11.81), (11.06,11.81), (13.06,11.81)
PLT- 187 LB Conc. Load at (15.06,11.81), (17.06,11.81), (19.06,11.81) (21.06,11.81), (23.06,11.81), (25.06,11.81), (27.06,11.81)
BC - 564 LB Conc. Load at 7.00
PLB- 86 LB Conc. Load at (9.06,9.04), (11.06,9.04), (13.06,9.04)
PLB- 82 LB Conc. Load at (15.06,8.04), (17.06,8.04), (19.06,8.04) (21.06,8.04), (23.06,8.04), (25.06,8.04), (27.06,8.04)

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.

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

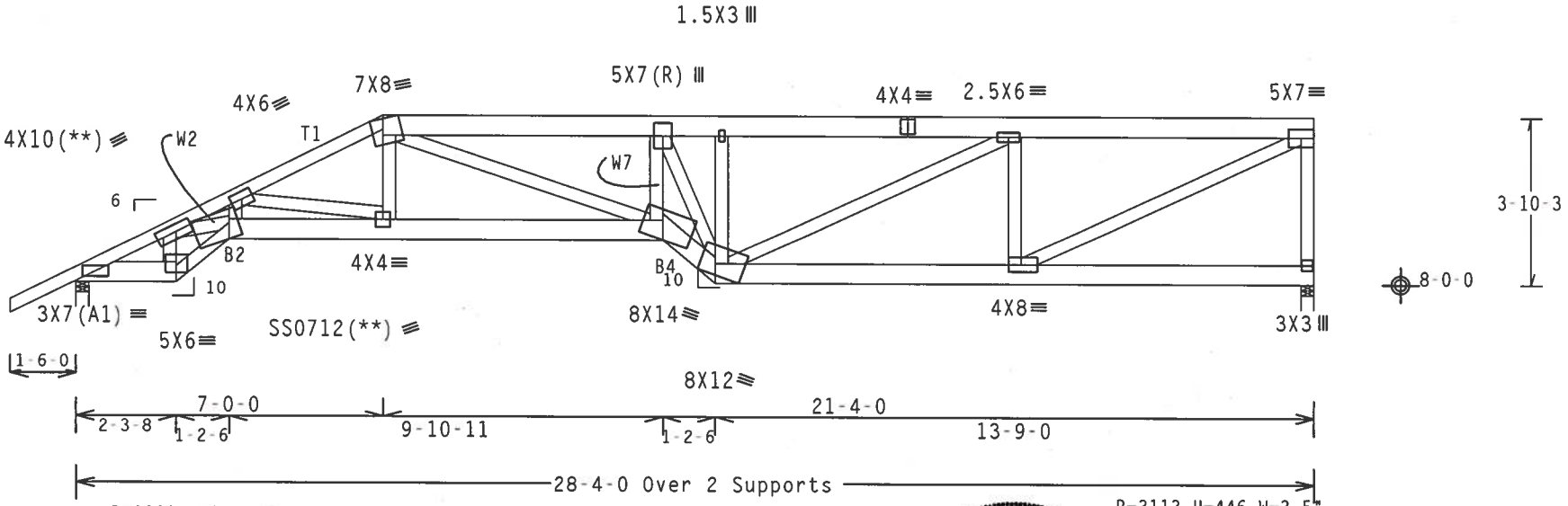
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.11" due to live load and 0.16" due to dead load.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.33.01 CITY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99894
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045079
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	16457 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 7.00
TC - From 62 PLF at 7.00 to 62 PLF at 25.33
TC - From 62 PLF at 25.33 to 62 PLF at 33.83
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 32.33
BC - From 4 PLF at 32.33 to 4 PLF at 33.83
TC - 430 LB Conc. Load at 7.06, 25.06
TC - 187 LB Conc. Load at 9.06, 11.06, 13.06, 15.06, 17.06 19.06, 21.06, 23.06
BC - 532 LB Conc. Load at 7.00, 25.33
BC - 82 LB Conc. Load at 9.06, 11.06, 13.06, 15.06, 17.06 19.06, 21.06, 23.06, 25.06

2 COMPLETE TRUSSES REQUIRED

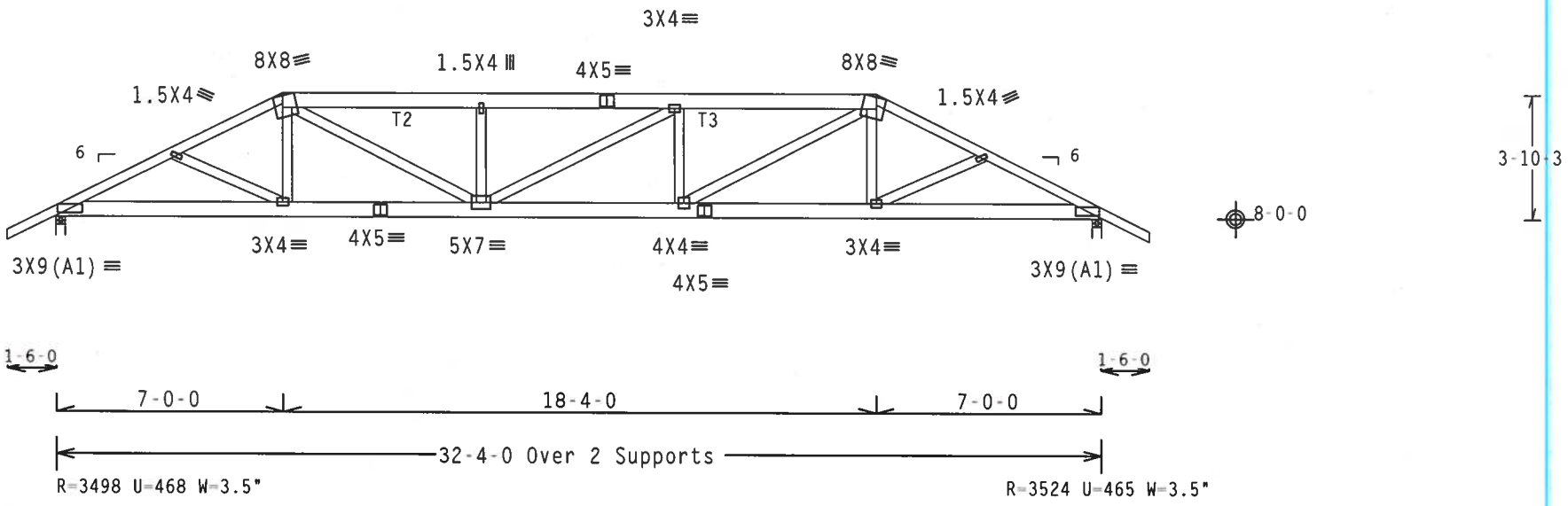
Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.33.01 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99895
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045078
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	16451 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

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

Wind reactions based on MWFRS pressures.

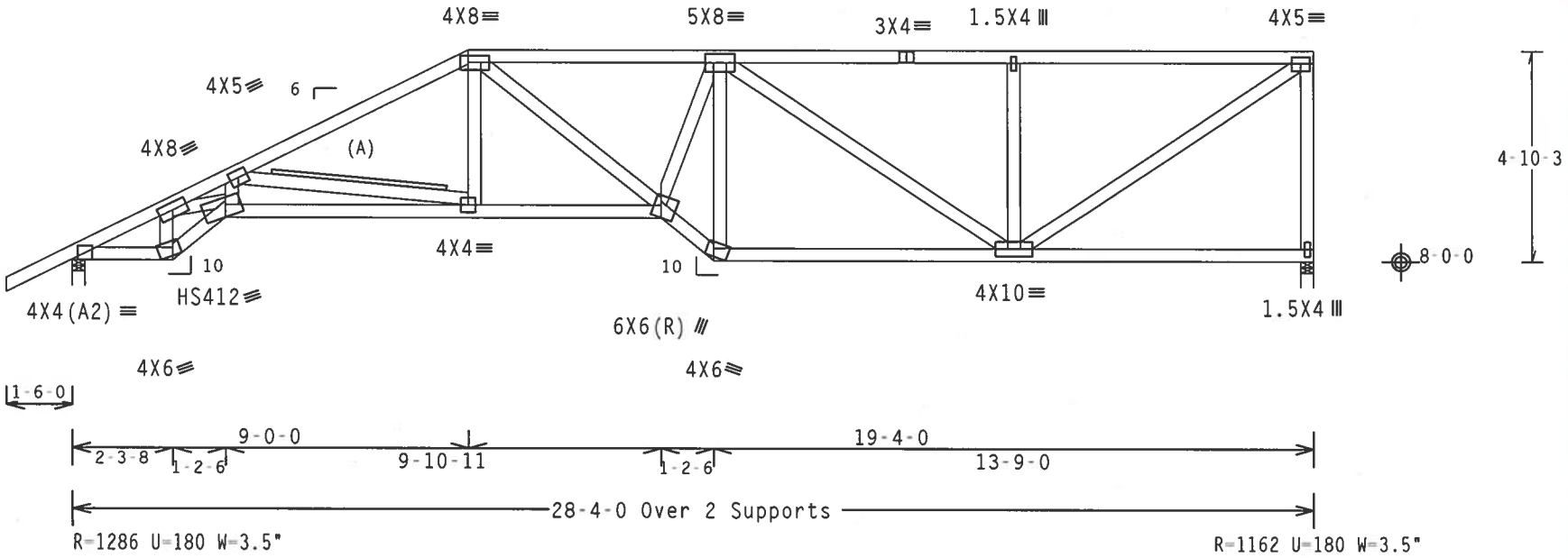
(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 1[illegible]07

TC LL	20.0 PSF	REF	R8228- 99896
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045049
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151417
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

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

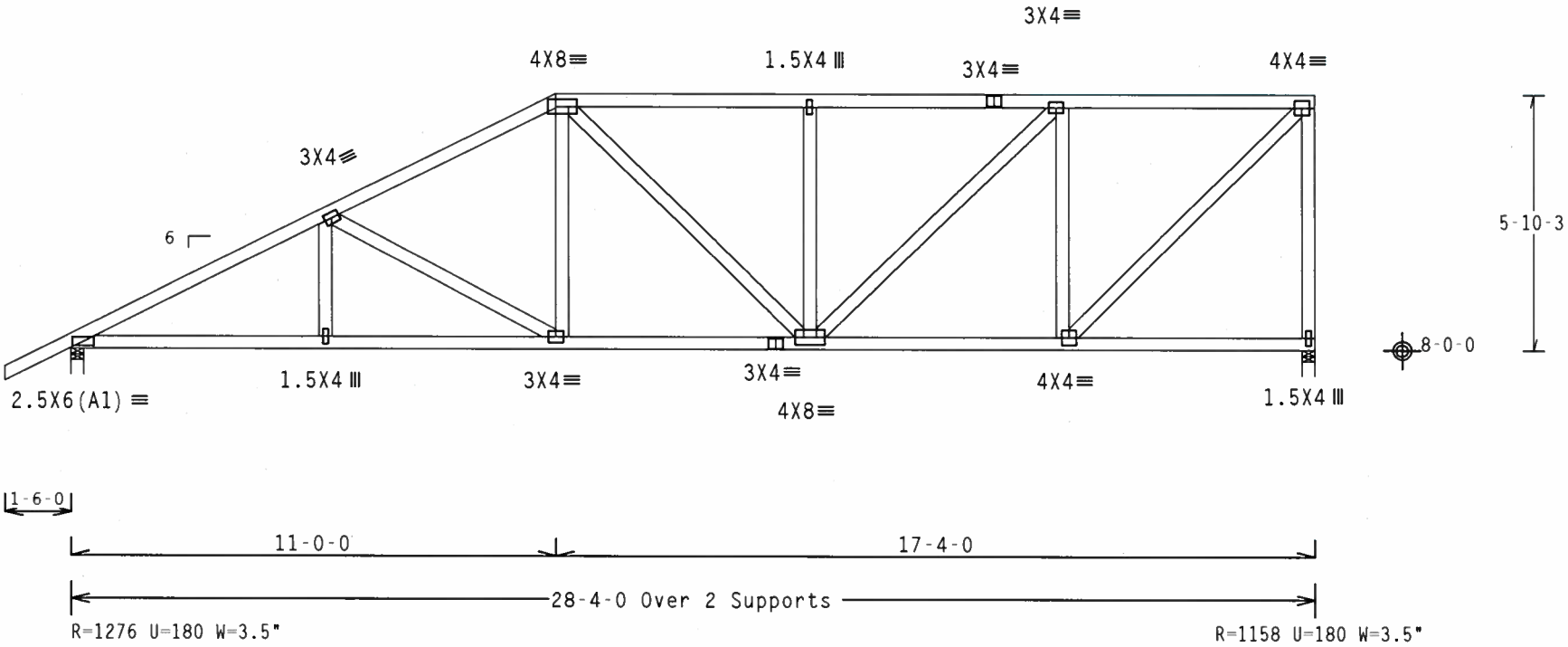
Wind reactions based on MWFRS pressures.

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

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

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99897
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045050
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151421
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

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

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.21" due to live load and 0.32" due to dead load.

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

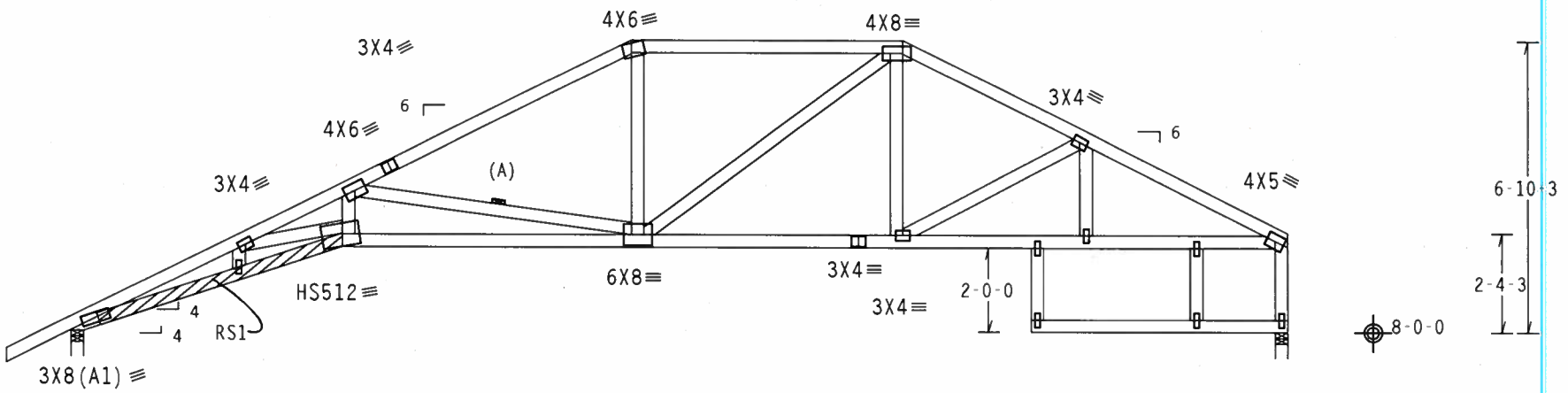
See detail BCFILLER1106 for bottom chord (BC) filler detail. Laterally brace BC above filler @ 24" O.C. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point).

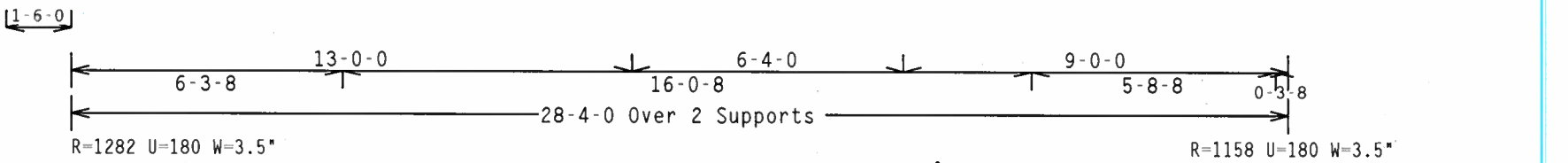
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

(RS1) (1) 2x4X6-0-0 SP #2 Dense Bottom chord scab centered 3-5-14 from left end. Attach to one face of chord with (2) rows of 12d_Common_(0.148"x3.25",_min.)_nails @ 6" O.C., staggered 3".





Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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Haines City, FL 33844
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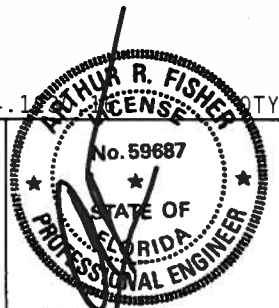
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99898
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045051
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151428
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

(7-054--Stanley Crawford Construc DICKS RES. -- , ** - H15 A)

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

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.19" due to live load and 0.30" due to dead load.

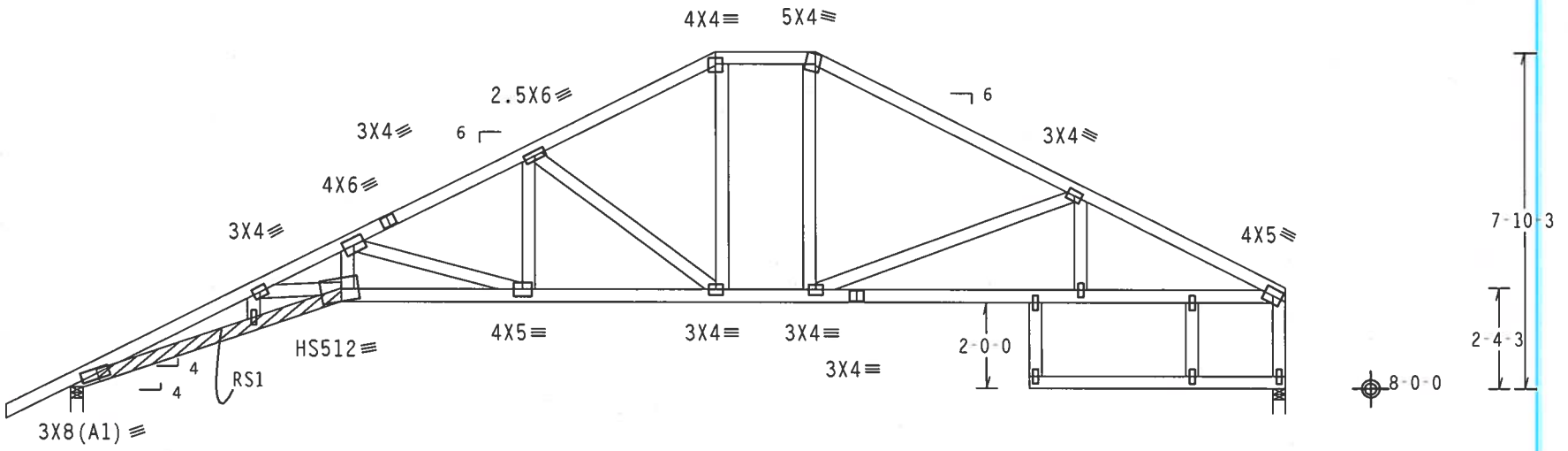
See detail BCFILLER1106 for bottom chord (BC) filler detail. Laterally brace BC above filler @ 24" O.C. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point).

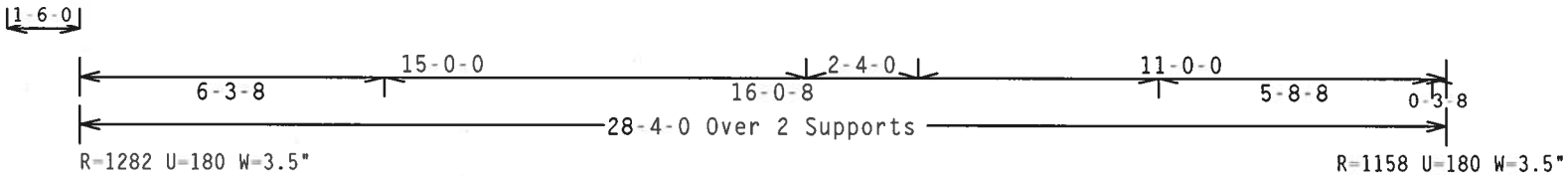
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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

(RS1) (1) 2x4X6-0-0 SP #2 Dense Bottom chord scab centered 3-5-14 from left end. Attach to one face of chord with (2) rows of 12d_Common_(0.148"x3.25",_min.)_nails @ 6" O.C., staggered 3".





Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 14 '07

TC LL	20.0 PSF	REF R8228- 99899
TC DL	10.0 PSF	DATE 02/14/07
BC DL	10.0 PSF	DRW HCUSR8228 07045052
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 151435
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4V8228Z01

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

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.20" due to live load and 0.31" due to dead load.

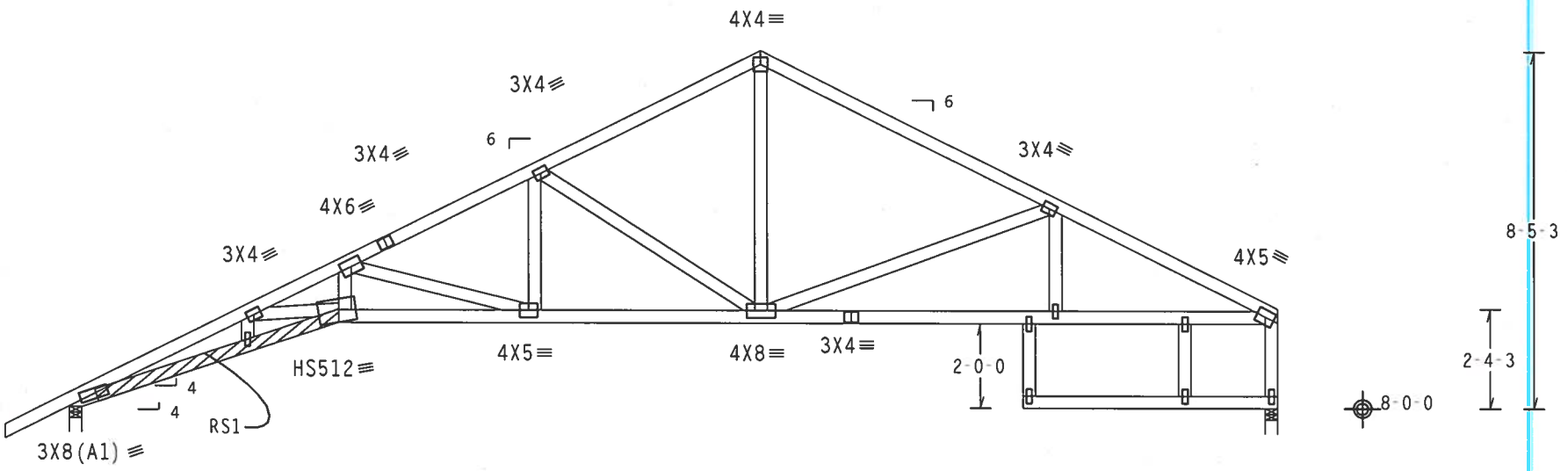
See detail BCFILLER1106 for bottom chord (BC) filler detail. Laterally brace BC above filler @ 24" O.C. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point).

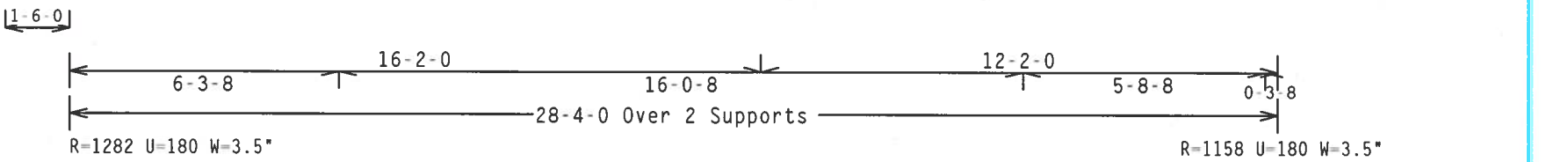
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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

(RS1) (1) 2x4X6-0-0 SP #2 Dense Bottom chord scab centered 3-5-14 from left end. Attach to one face of chord with (2) rows of 12d_Common_(0.148"x3.25",_min.)_nails @ 6" O.C., staggered 3".





Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:3 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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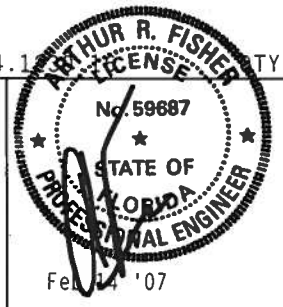


TC LL	20.0 PSF	REF R8228- 99900
TC DL	10.0 PSF	DATE 02/14/07
BC DL	10.0 PSF	DRW HCUSR8228 07045053
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 151442
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4V8228Z01

(7-054--Stanley Crawford Construc DICKS RES. , ** A3)

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

Wind reactions based on MWFRS pressures.

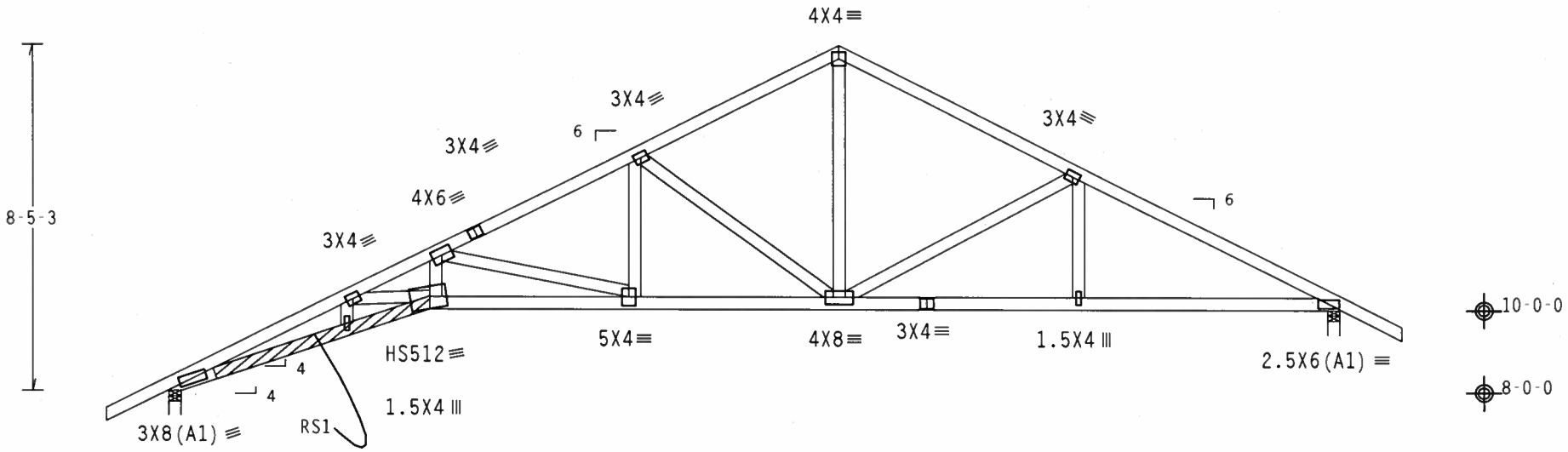
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

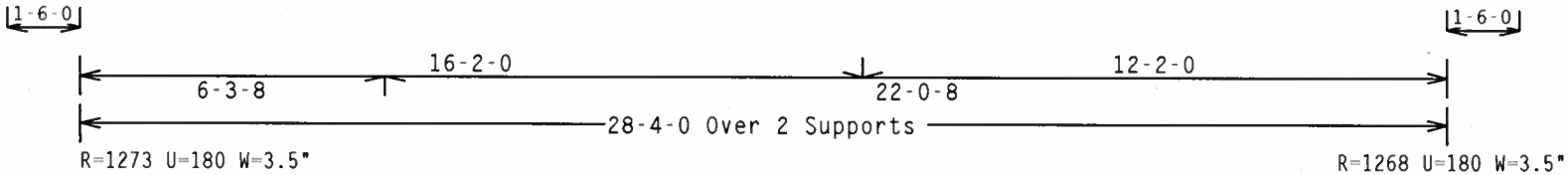
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Calculated horizontal deflection is 0.15" due to live load and 0.23" due to dead load.

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

(RS1) (1) 2x4X5-6-1 SP #2 Dense Bottom chord scab centered 3-8-11 from left end. Attach to one face of chord with (2) rows of 12d_Common_(0.148"x3.25",_min.)_nails @ 6" O.C., staggered 3".





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.[illegible] TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99901
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045054
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151448
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

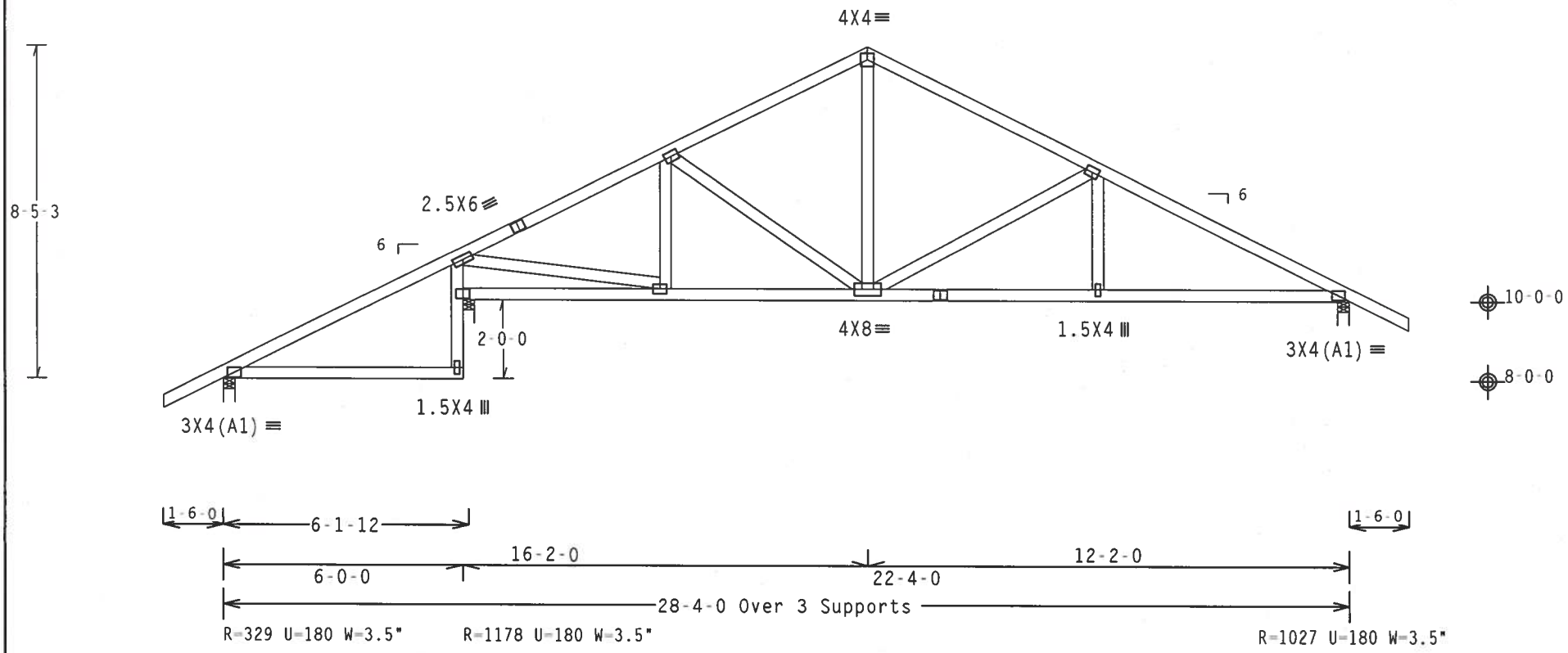
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:4 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 14 '07

TC LL	20.0 PSF	REF R8228- 99902
TC DL	10.0 PSF	DATE 02/14/07
BC DL	10.0 PSF	DRW HCUSR8228 07045055
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 151452
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4V8228Z01

(7-054--Stanley Crawford Construc DICKS RES. -- , ** - A2)

THIS END PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

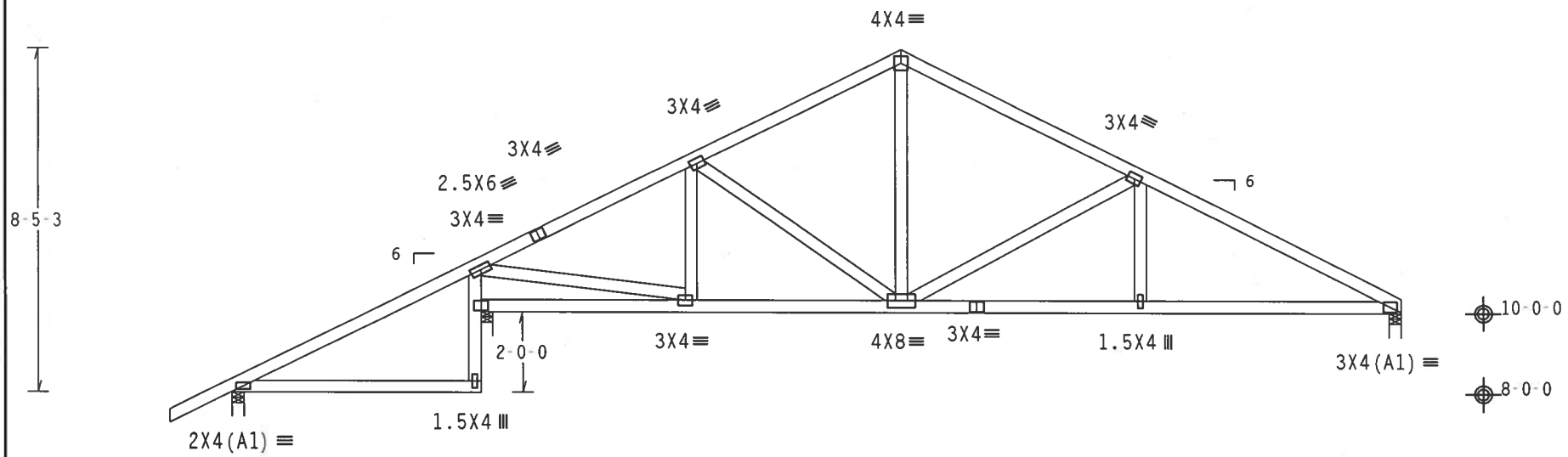
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

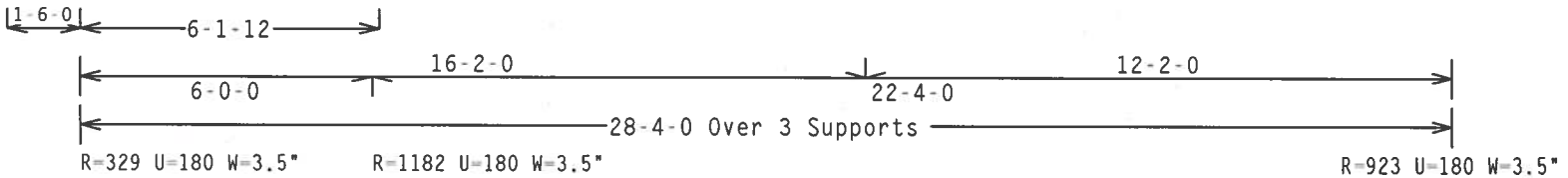
Wind reactions based on MWFRS pressures.

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

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:4 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99903
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045056
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151456
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

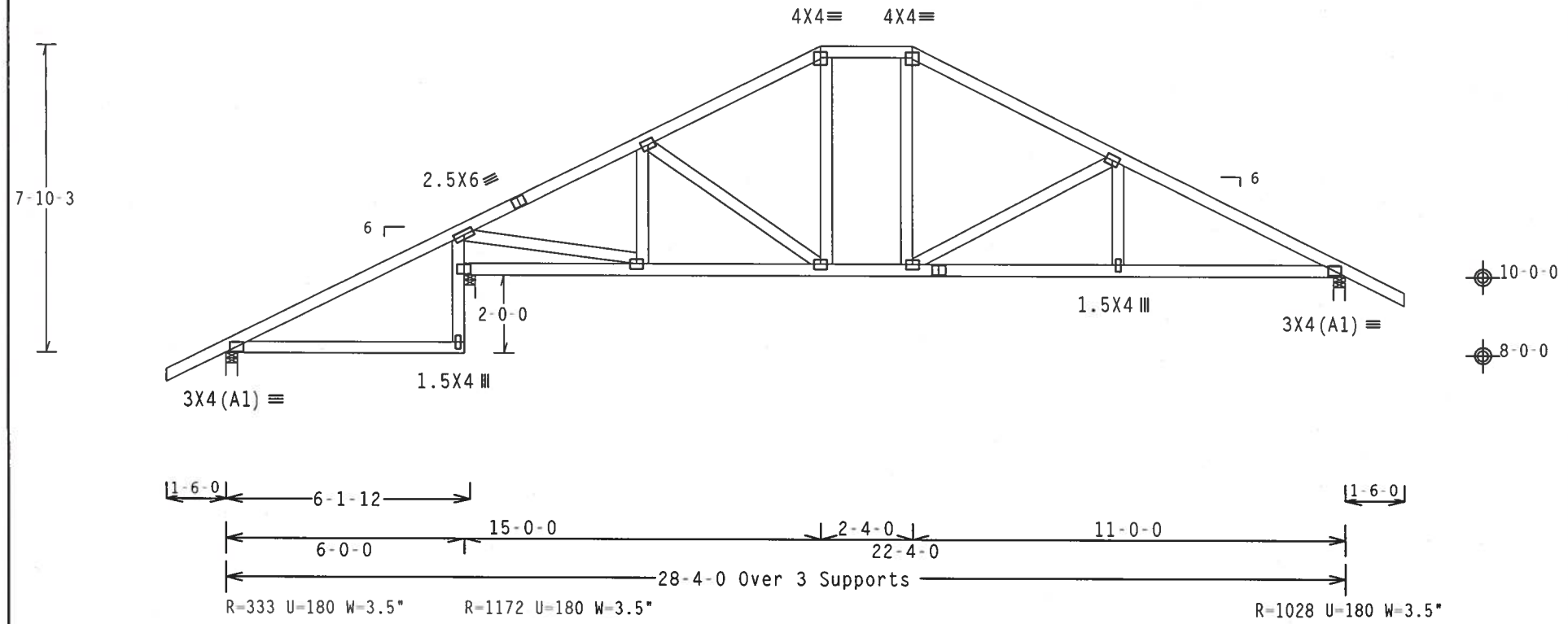
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR J. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99904
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045057
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151467
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

(7 054 Stanley Crawford Construc DICKS RES. , ** H13 AA)

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

Wind reactions based on MWFRS pressures.

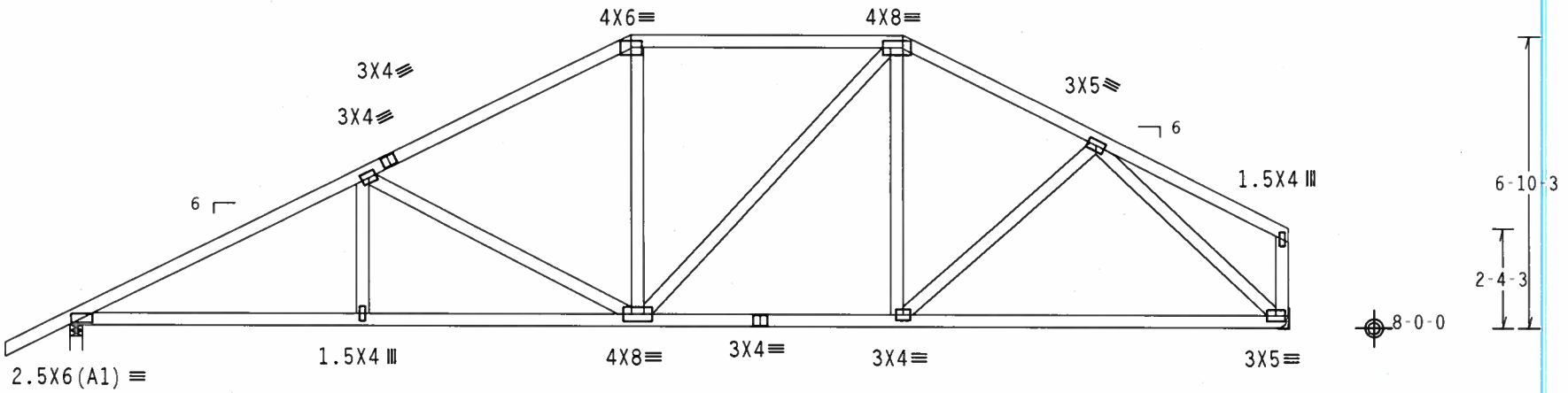
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

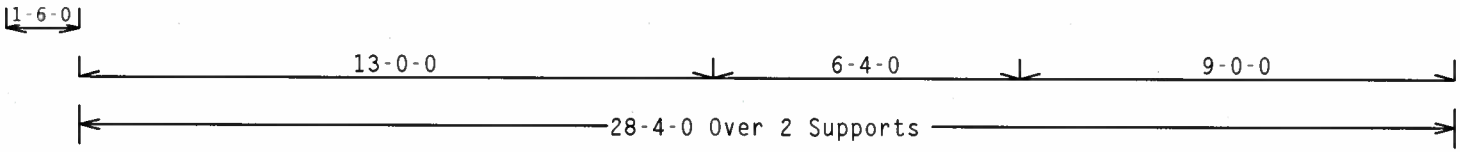
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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

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





R=1276 U=180 W=3.5"

R=1158 U=180 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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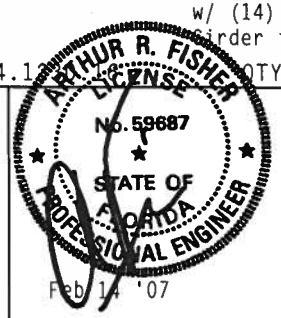


Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99905
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045058
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151473
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

(7-054--Stanley Crawford Construc DICKS RES. -- , ** - H11 AA)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B3 2x6 SP #1 Dense:
Webs 2x4 SP #3

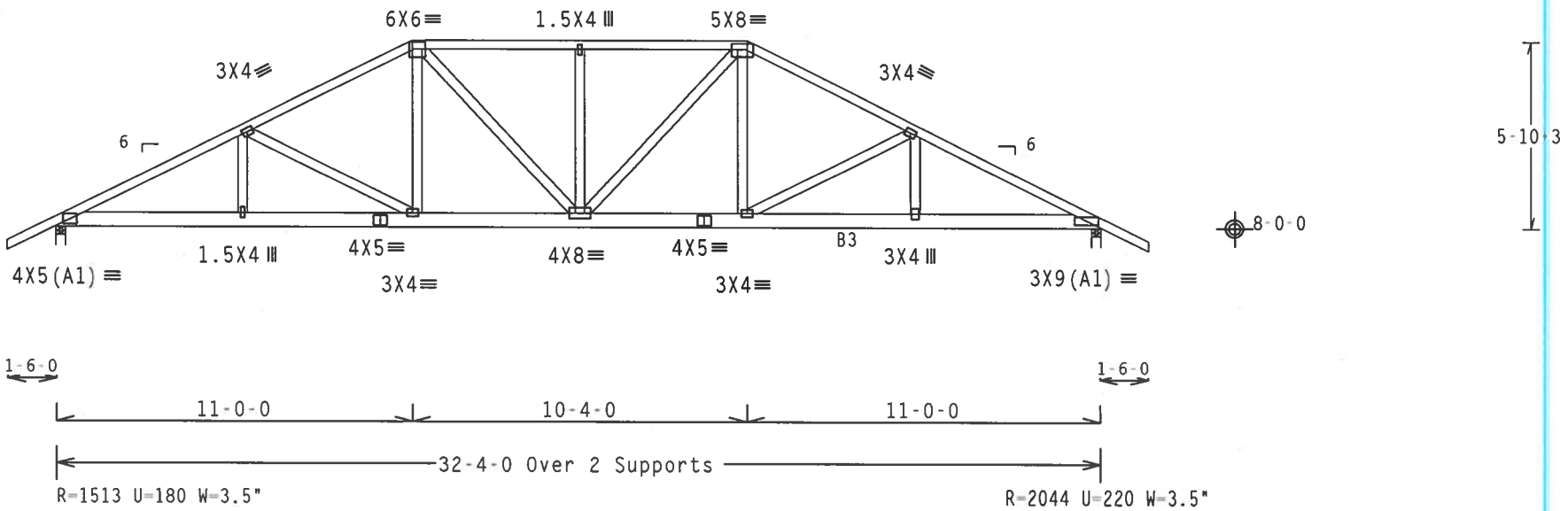
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 11.00
TC - From 62 PLF at 11.00 to 62 PLF at 21.33
TC - From 62 PLF at 21.33 to 62 PLF at 33.83
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 32.33
BC - From 4 PLF at 32.33 to 4 PLF at 33.83
TC - 125 LB Conc. Load at 28.40
BC - 535 LB Conc. Load at 28.40
BC - 34 LB Conc. Load at 29.40

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 52687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99906
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045059
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151500
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

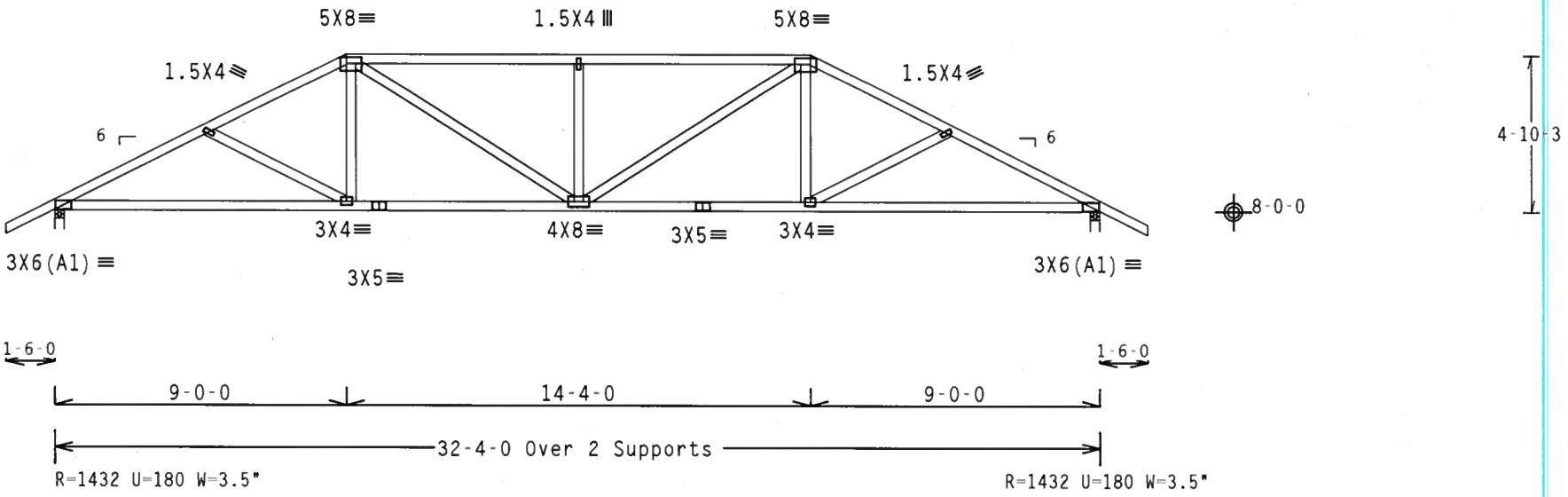
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99907
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045060
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151504
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

(7-054--Stanley Crawford Construc DICKS RES. -- , ** - H7 B)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 7.00
TC - From 62 PLF at 7.00 to 62 PLF at 15.00
TC - From 62 PLF at 15.00 to 62 PLF at 23.50
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.00
BC - From 4 PLF at 22.00 to 4 PLF at 23.50
TC - 429 LB Conc. Load at 7.06, 14.94
TC - 187 LB Conc. Load at 9.06, 11.00, 12.94
BC - 532 LB Conc. Load at 7.00, 15.00
BC - 82 LB Conc. Load at 9.06, 11.00, 12.94

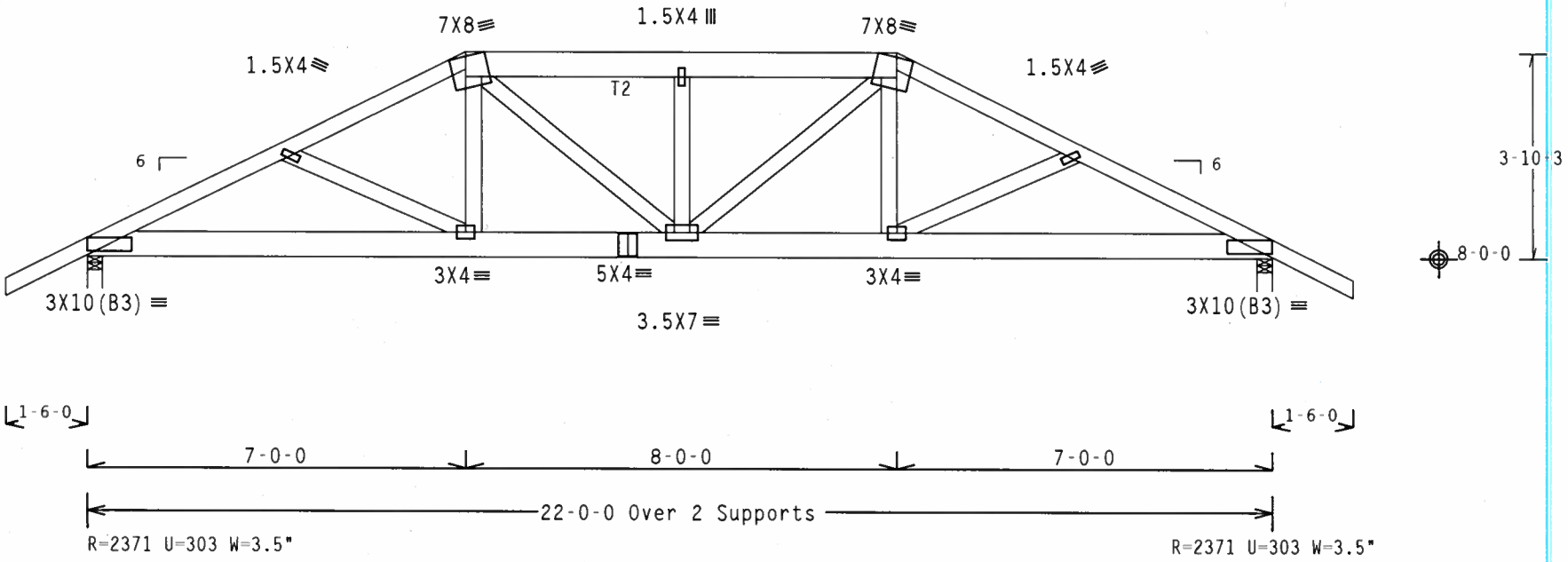
Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.33.01 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb [illegible] '07

TC LL	20.0 PSF	REF	R8228- 99908
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045077
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	16448 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

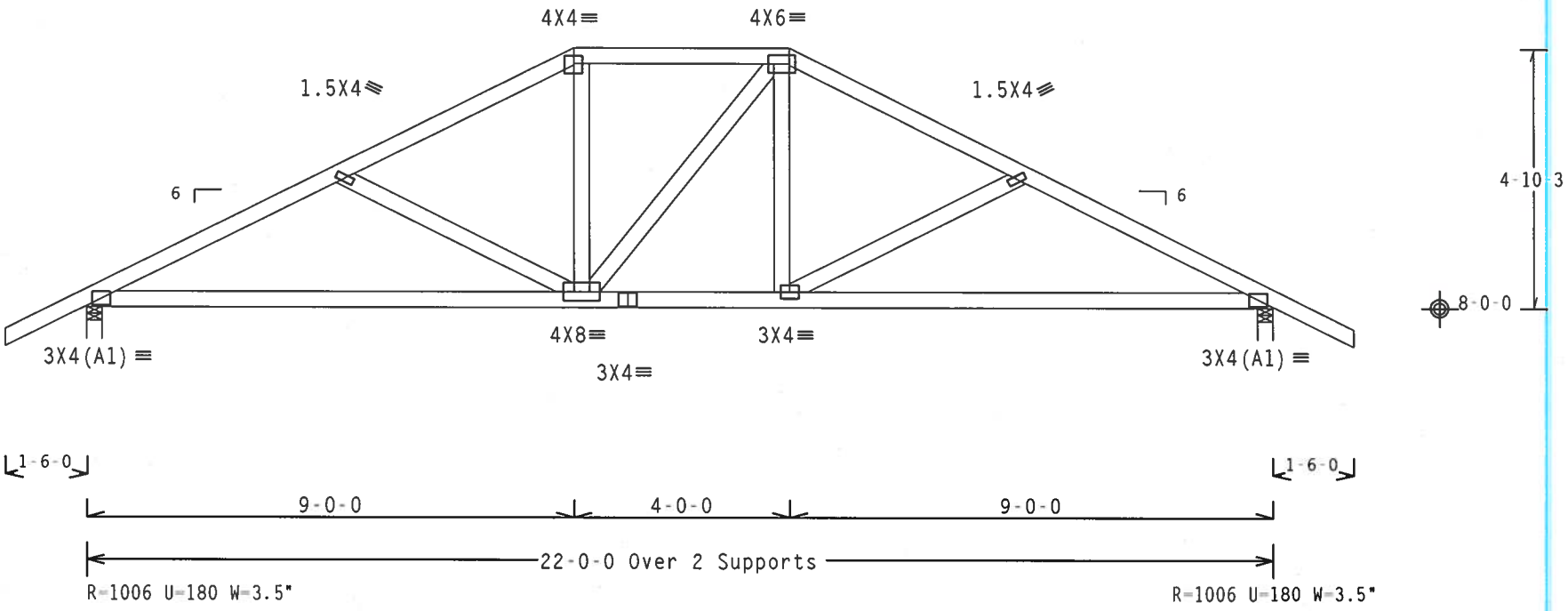
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99909
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045076
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151386
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

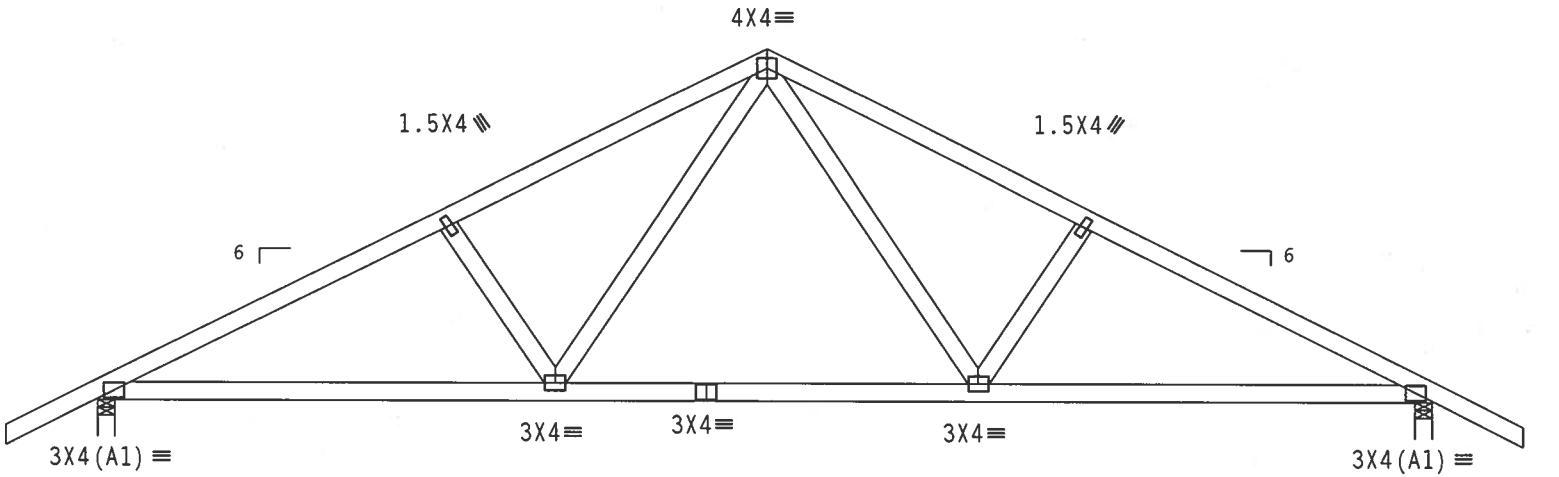
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

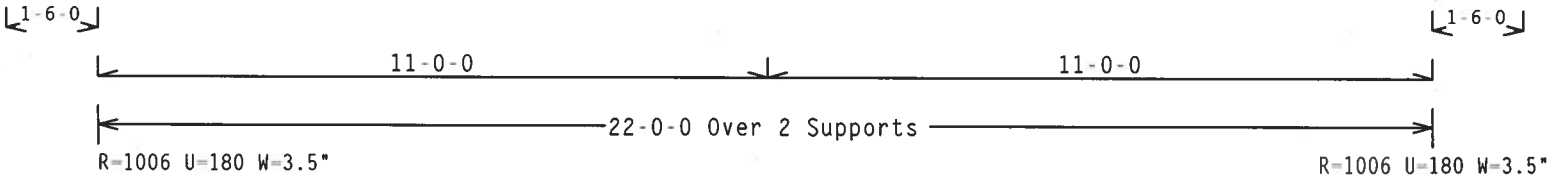
Wind reactions based on MWFRS pressures.

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

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:6 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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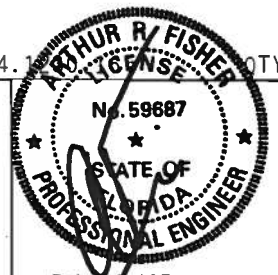


Feb 14 '07

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

REF	R8228- 99910
DATE	02/14/07
DRW	HCUSR8228 07045075
HC-ENG	DAL/AF
SEQN-	151383
FROM	JFB
JREF-	1T4V8228Z01

(7-054--Stanley Crawford Construc DICKS RES. -- , ** - C GE)

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

Wind reactions based on MWFRS pressures.

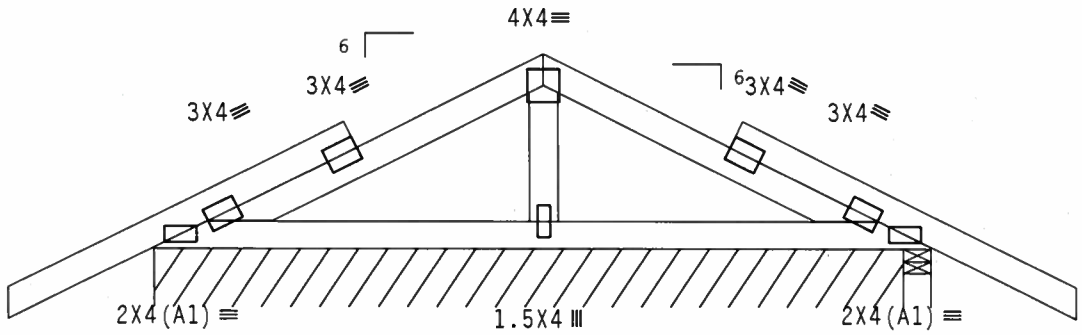
See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

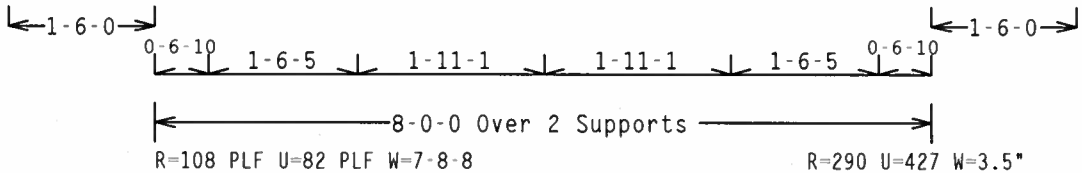
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cg/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 14 07

TC LL	20.0 PSF	REF	R8228- 99911
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045069
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151512
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

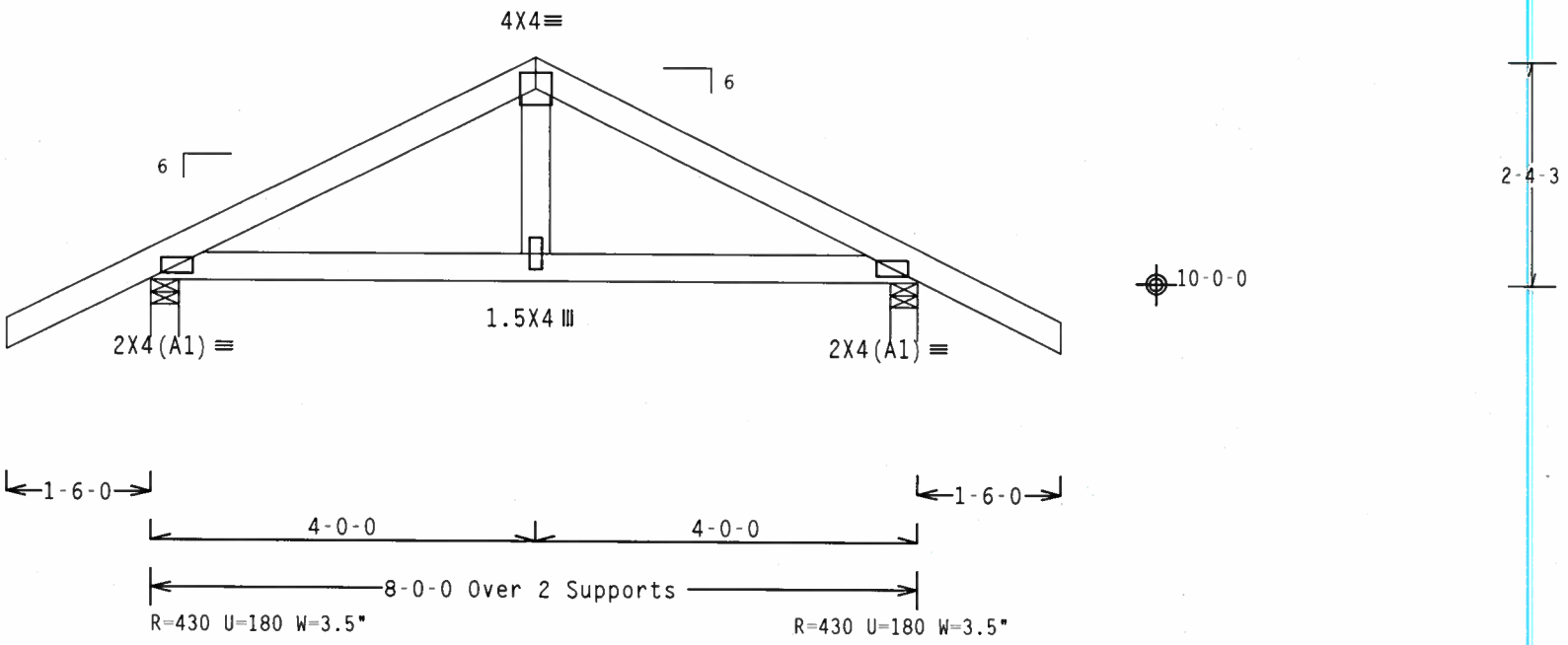
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99912
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045068
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151515
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

(7 054 Stanley Crawford Construc DICKS RES. , ** C2)

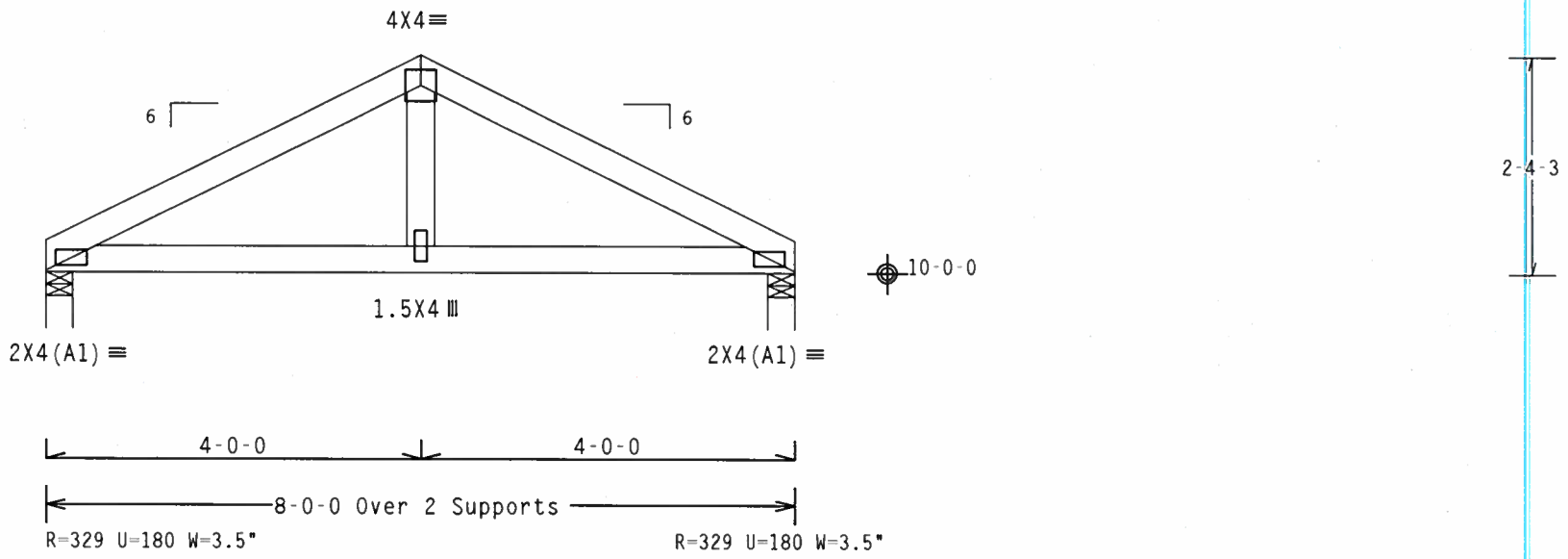
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99913
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045070
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151518
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

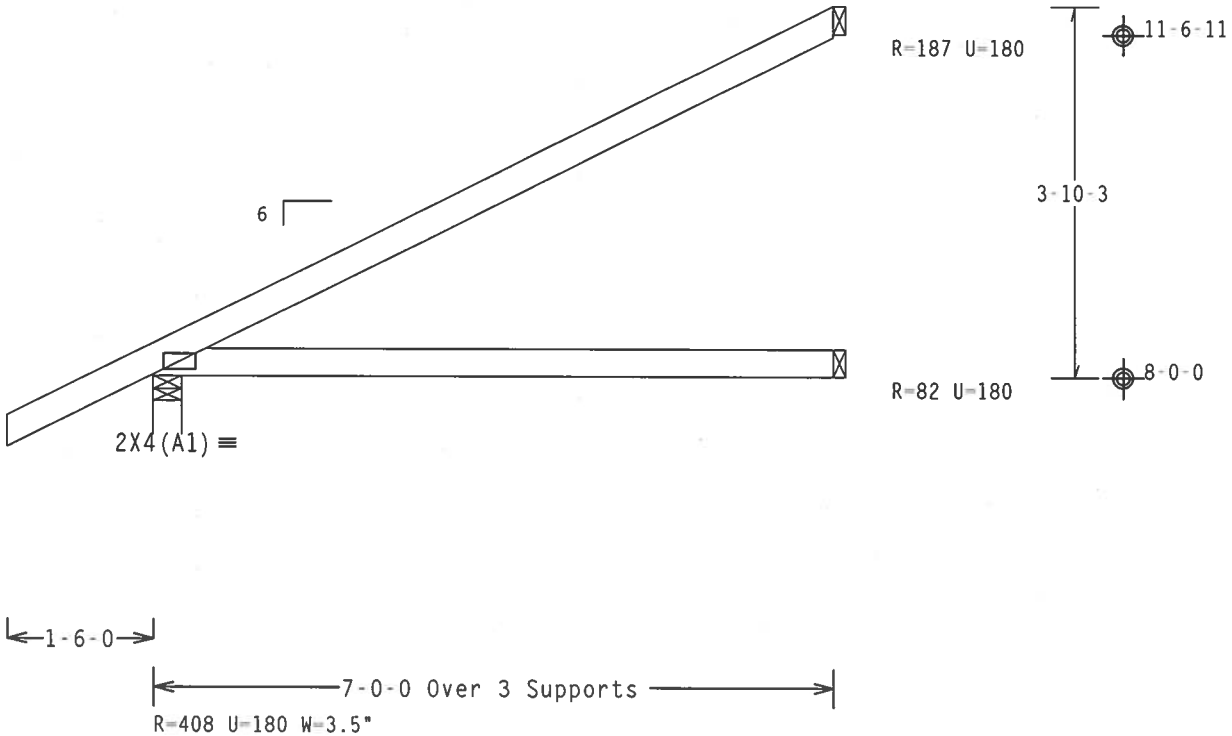
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]Y:22 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

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

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Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99914
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045064
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151343
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

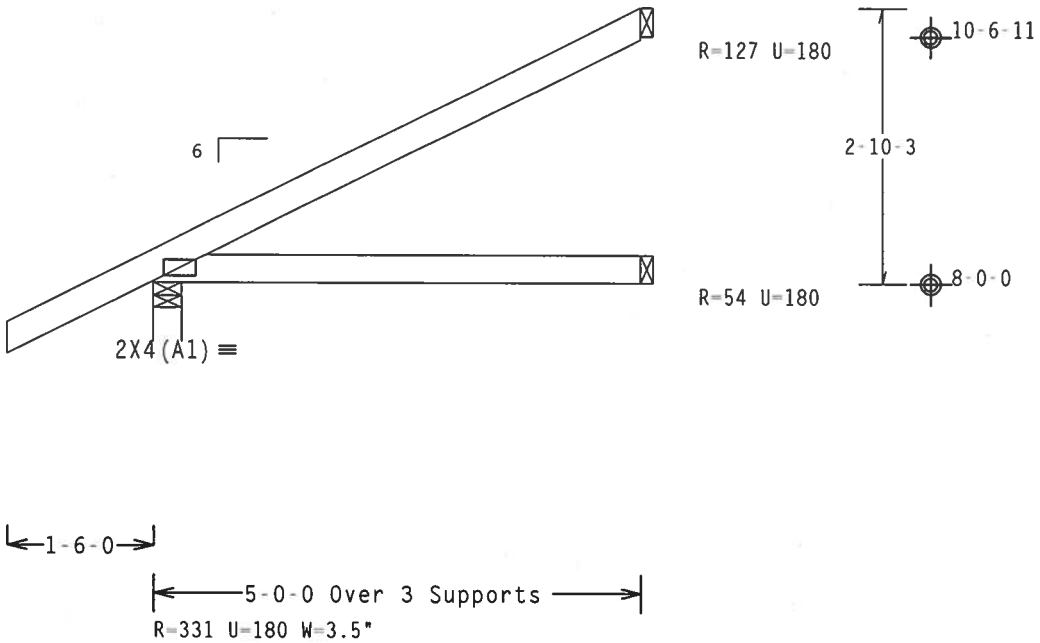
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:8 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99915
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045063
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151349
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

(7-054--Stanley Crawford Construc DICKS RES. -- , ** - HJ7)

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

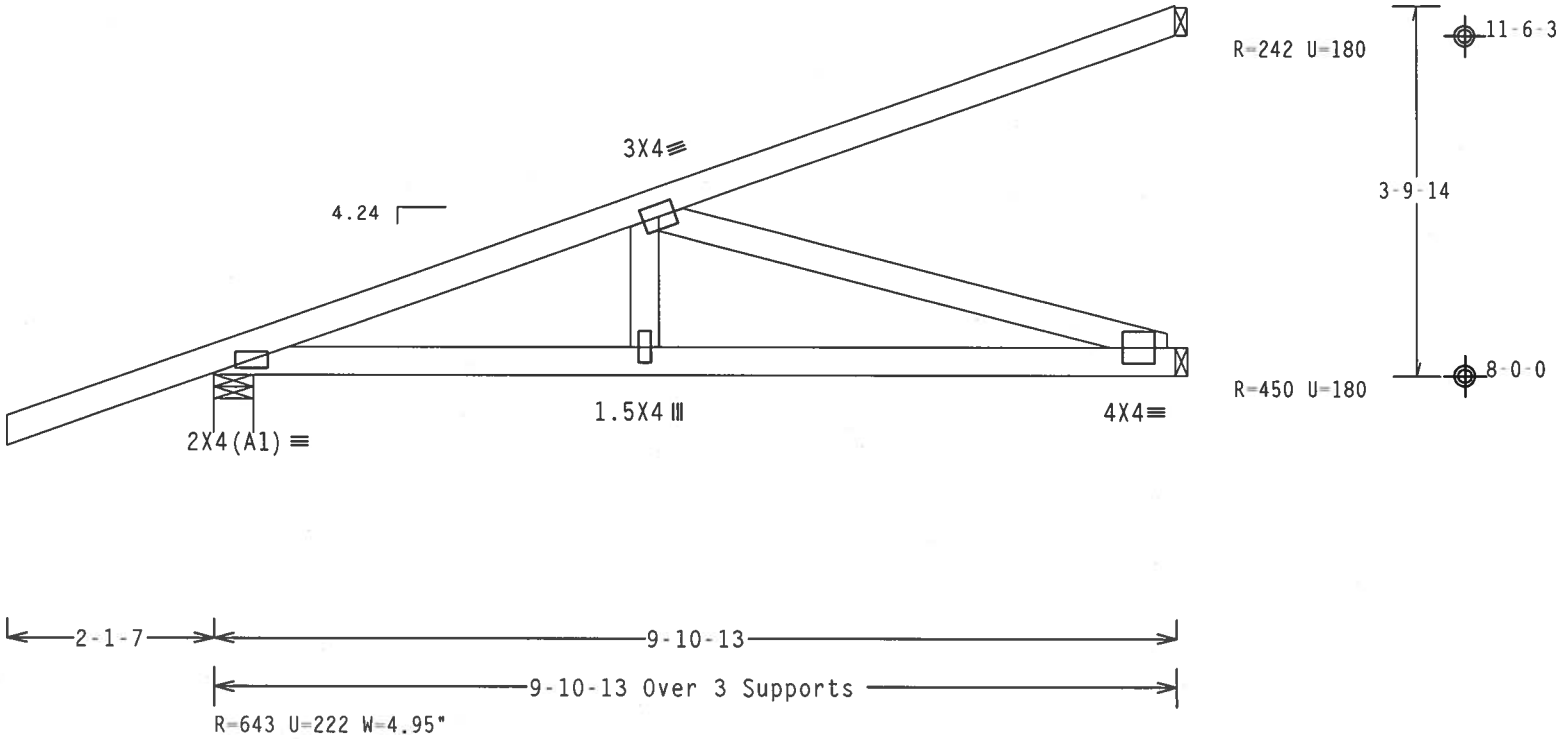
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -2.12 to 61 PLF at 9.90
BC - From 4 PLF at -2.12 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 9.90
TC - -111 LB Conc. Load at 1.48
TC - 124 LB Conc. Load at 4.31
TC - 255 LB Conc. Load at 7.13
BC - -31 LB Conc. Load at 1.48
BC - 48 LB Conc. Load at 4.31
BC - 108 LB Conc. Load at 7.13

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:4 FL/-/4/-/-/R/- Scale =.5"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 1 '07

ALPINE
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TC LL	20.0 PSF	REF	R8228- 99916
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045065
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151371
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

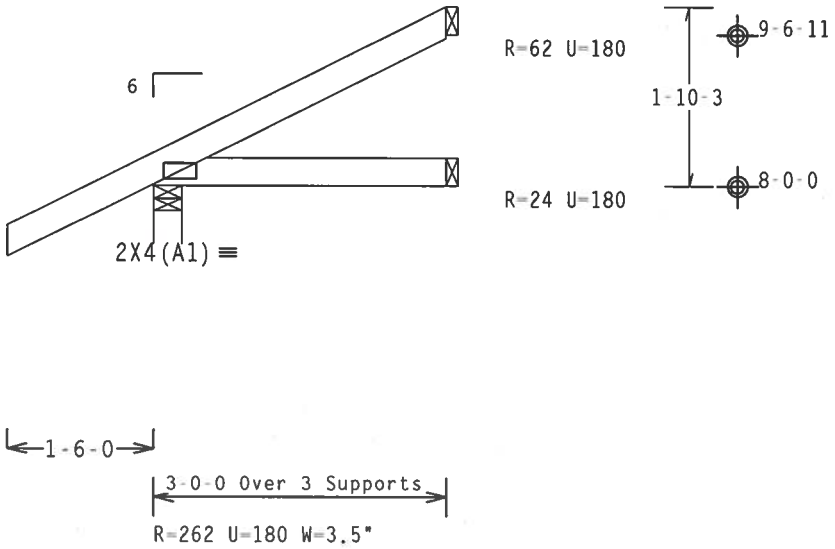
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:8 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

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

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

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DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99917
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045062
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151353
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

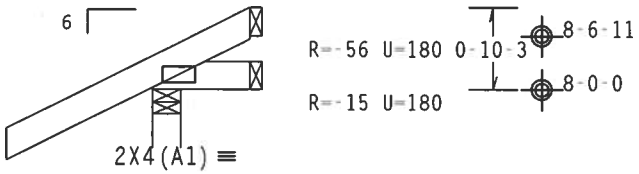
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

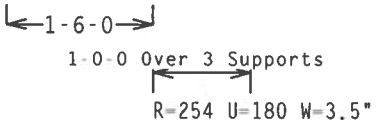
Wind reactions based on MWFRS pressures.

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

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

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





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible] TY:12 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

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

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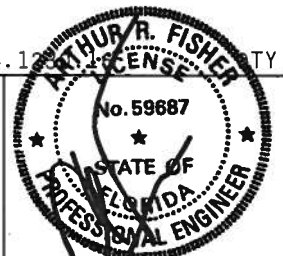


Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99918
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045061
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151356
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

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

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

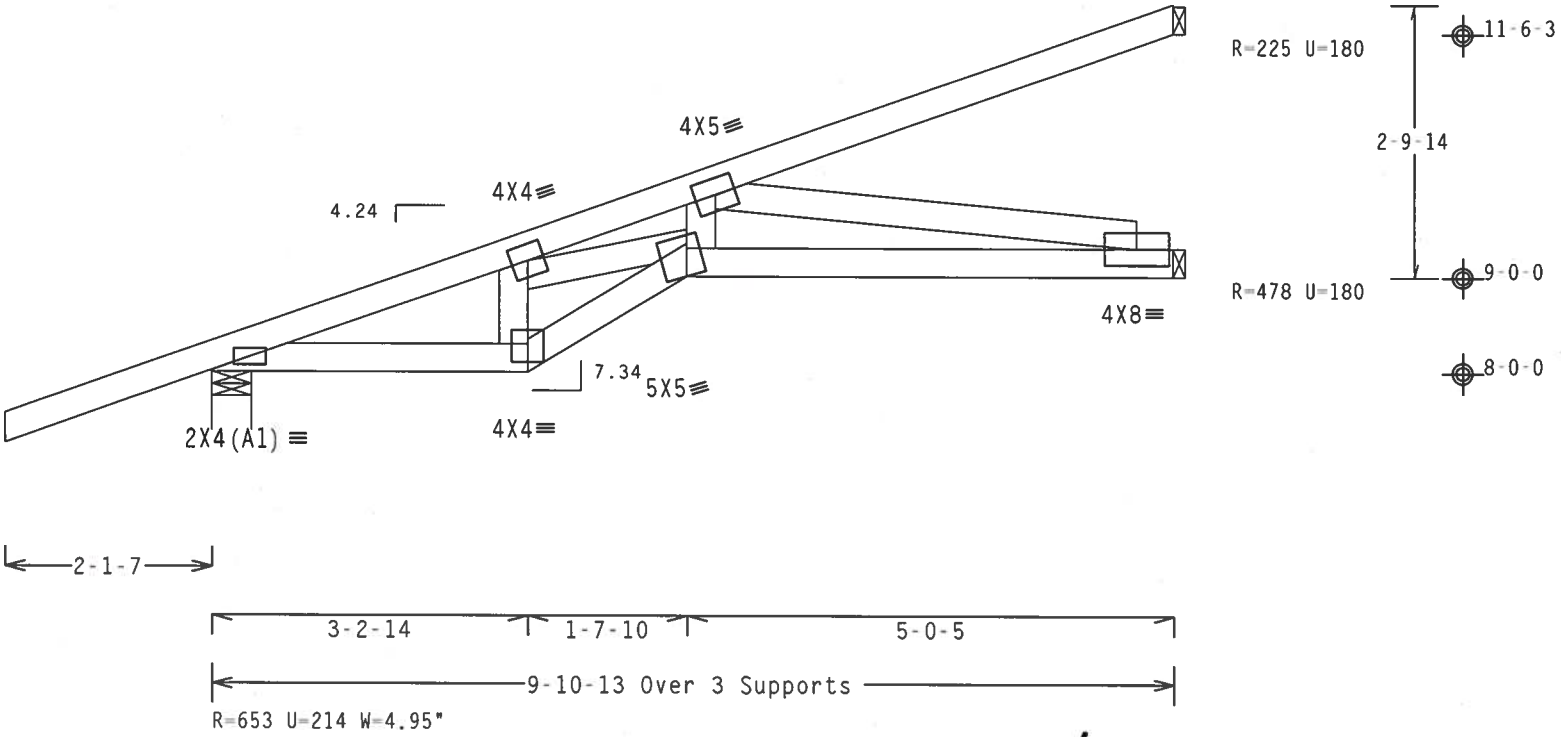
Wind reactions based on MWFRS pressures.

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

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

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	61 PLF	at	-2.12	to	61 PLF	at 9.90
BC	From	4 PLF	at	-2.12	to	4 PLF	at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF	at 3.24
BC	From	23 PLF	at	3.24	to	23 PLF	at 4.88
BC	From	20 PLF	at	4.88	to	20 PLF	at 9.90
TC	-111 LB Conc. Load at 1.48						
TC	113 LB Conc. Load at 4.31						
TC	288 LB Conc. Load at 7.13						
BC	-31 LB Conc. Load at 1.48						
BC	66 LB Conc. Load at 4.31						
BC	82 LB Conc. Load at 7.13						



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 14 '07

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

TC LL	20.0 PSF	REF	R8228- 99919
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045074
BC LL	0.0 PSF		HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151404
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

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

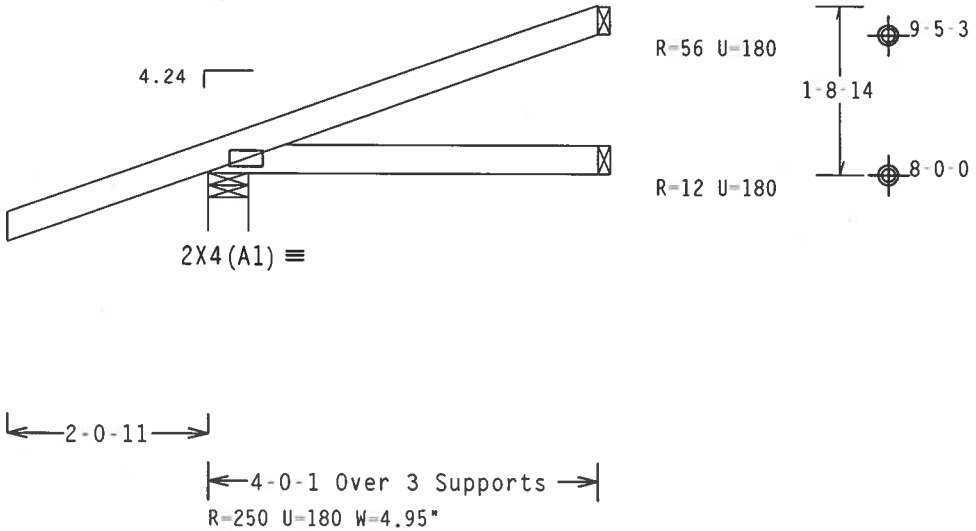
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

SPECIAL LOADS
-------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -2.06 to 61 PLF at 4.00
BC - From 4 PLF at -2.06 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 4.00
TC - -111 LB Conc. Load at 1.44
BC - -31 LB Conc. Load at 1.44

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99920
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045067
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151496
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

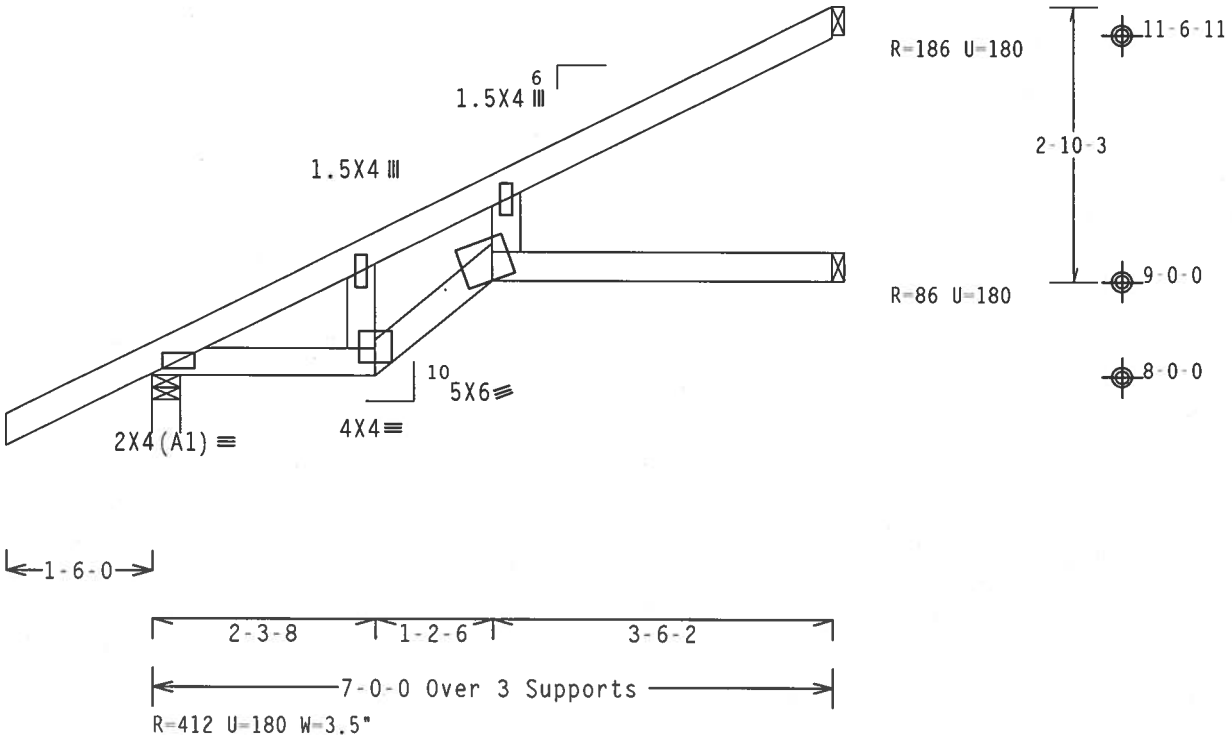
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:4 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99921
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045073
BC LL	0.0 PSF		HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151389
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

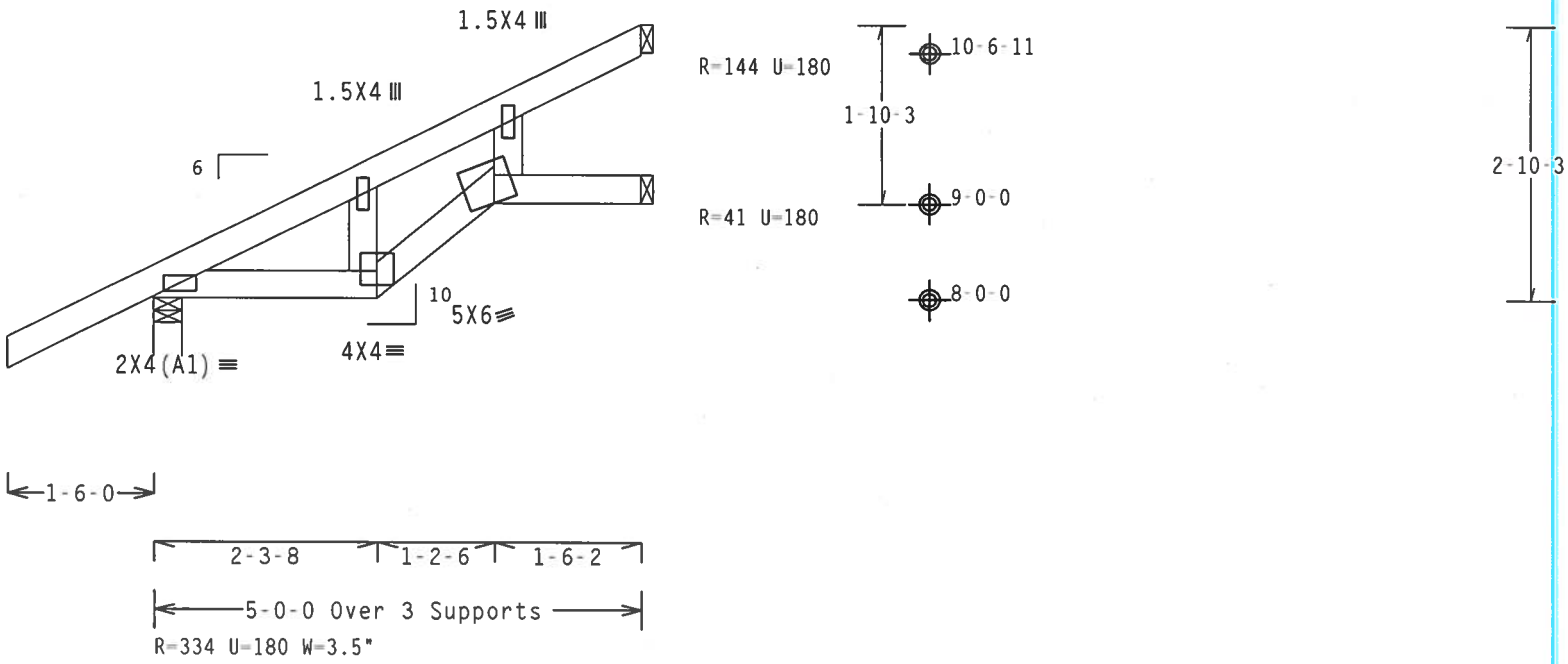
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 14,'07

TC LL	20.0 PSF	REF	R8228- 99922
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045072
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151392
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

(7-054--Stanley Crawford Construc DICKS RES. -- , ** - CJ3 T)

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

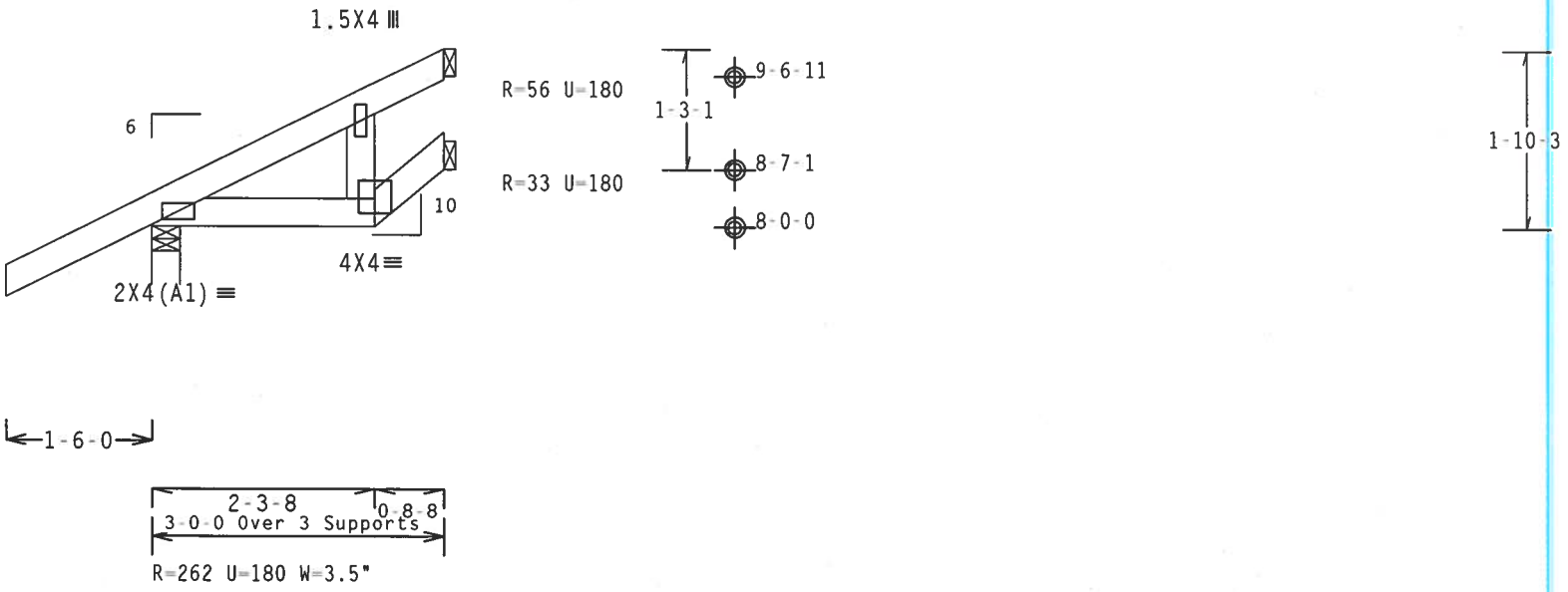
Wind reactions based on MWFRS pressures.

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

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

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

Shim all supports to solid bearing.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 1 '07

TC LL	20.0 PSF	REF	R8228- 99923
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045071
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151395
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

(7-054--Stanley Crawford Construc DICKS RES. -- , ** - EJ3 G)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 2.88
BC - From 20 PLF at 0.00 to 20 PLF at 2.88
BC - 1157 LB Conc. Load at 1.14

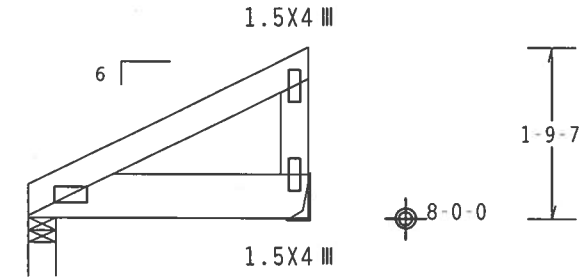
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

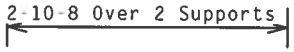
Wind reactions based on MWFRS pressures.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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



R=535 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2X6 min. So.Pine



R=859 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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

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

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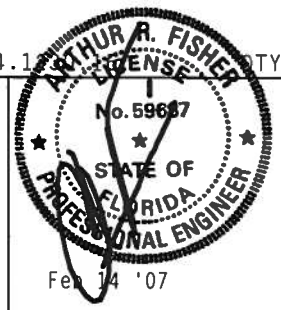


Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 99924
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045080
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151483
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

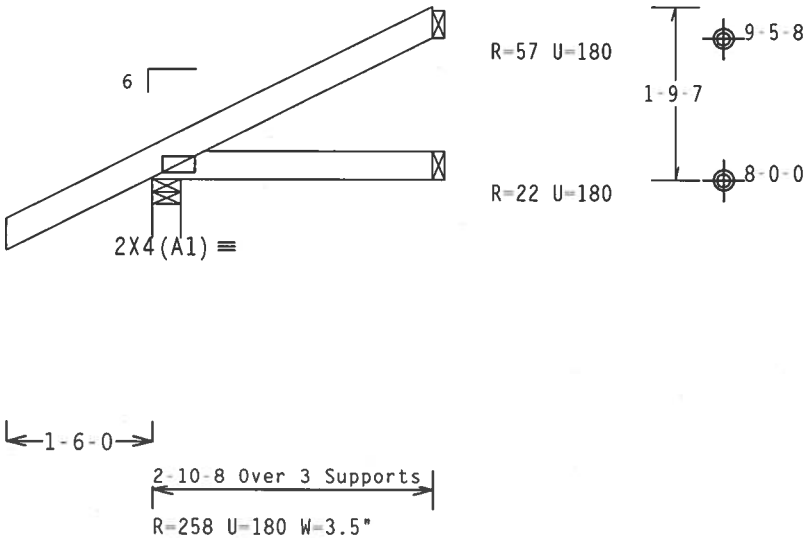
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

FEB 14 '07

TC LL	20.0 PSF	REF	R8228- 99925
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045066
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	151491
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z01

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

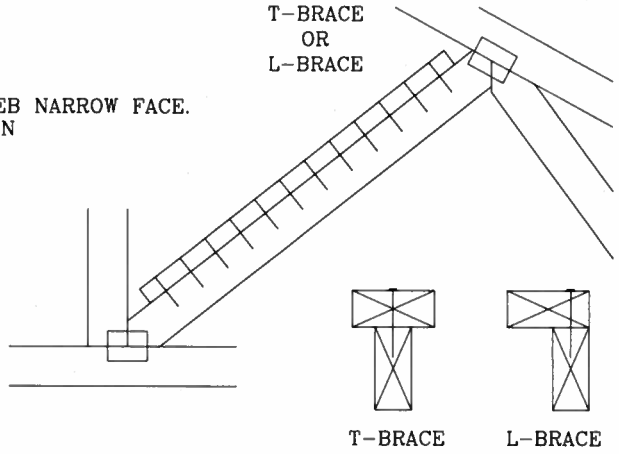
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

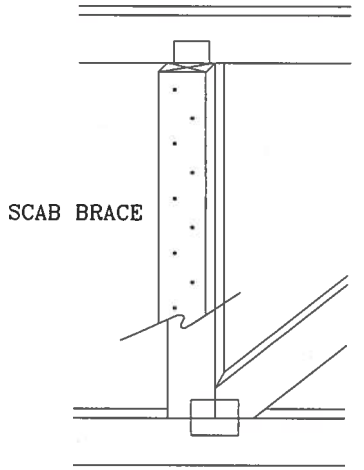
T-BRACING OR L-BRACING:

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



SCAB BRACING:

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



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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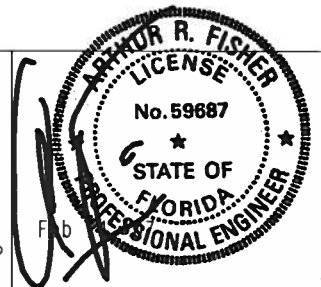
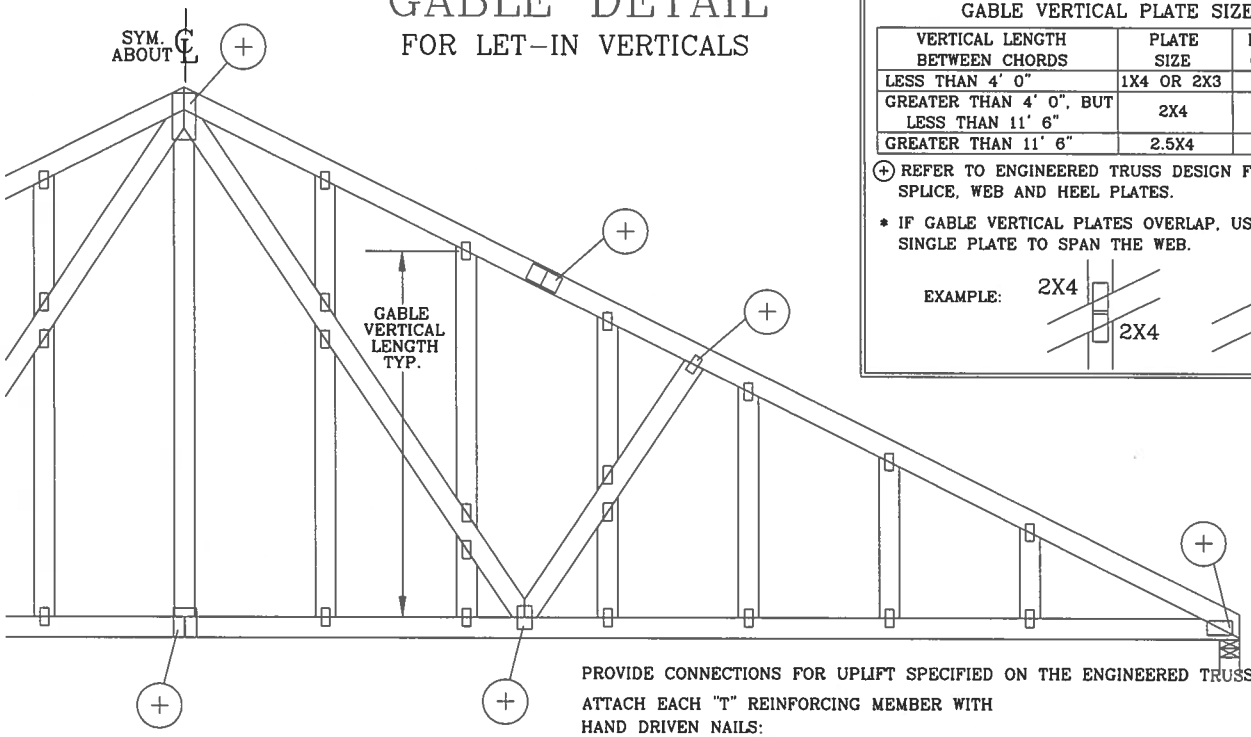


TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	BRCLBSUB1106
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

GABLE DETAIL
FOR LET-IN VERTICALS

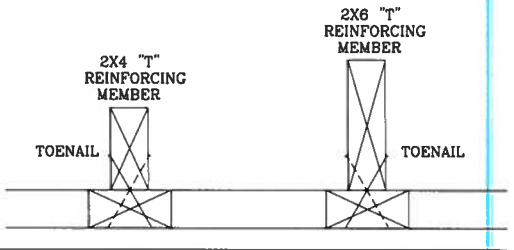


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

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

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

EXAMPLE:



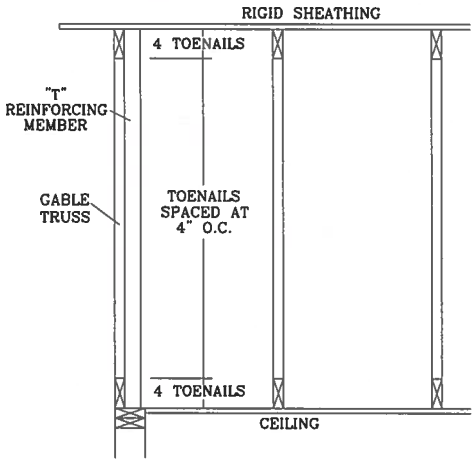
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

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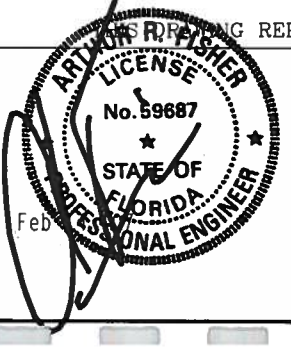

Feb

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	11/1/06
DRWG	GBLLETIN1106
-ENG	DLJ/KAR

Notice of Treatment

12462

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: Bora Ave
City Lake City Phone 752 1703

Site Location: Subdivision May Lake
Lot # 17 Block# _____ Permit # 25577
Address 149 sw Lucille Ct

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	2155	892	8

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 _____.

4/12/07 Date | 0745 Time | Gunny 1254 Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

tice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

: Mayfair lot 17

W Sisters Welcome Rd Lake City, FL — Lake City

Address of Treatment or Lot/Block of Treatment) — City

Florida Pest Control & Chemical Co.

www.flapest.com

duct to be used: Bora-Care Termiticide (Wood Treatment)

mical to be used: 23% Disodium Octaborate Tetrahydrate

lication will be performed onto structural wood at dried-in stage of construction.
-Care Termiticide application shall be applied according to EPA registered label
tions as stated in the Florida Building Code Section 1816.1

ormation to be provided to local building code offices prior to concrete
dation installation.)

6/05 ©