Columbia County Building Permit Application

For Office Use Only Application # 080 6 0 Date Received 13/08 By JW Permit # 1512/ 24588 Zoning Official BLK Date 08.01.08 Flood Zone 15 FEMA Map # NA Zoning RSF-2 Land Use RES 10 Dec Elevation NA MFE 2 River NA Plans Examiner 0 K STH Date 1-7-08
Comments
©NOC □Eff
□ Dev Permit # □ In Floodway □ Letter of Authorization from Contractor
□ Unincorporated area □ Incorporated area □ Town of Fort White □ Town of Fort White Compliance letter
Name Authorized Person Signing Permit
Address 2910 SW CR 242 Lake (ity FL 32024
Owners Name Cason Construction Phone 752 8453
911 Address 144 SW Zebra Ter Lake City FL 32024
Contractors Name Matt Cason Phone 752 8453
Address 2910 SW CR 242 LC FL 32025
Fee Simple Owner Name & Address
Bonding Co. Name & Address
Architect/Engineer Name & Address Mark Disasivary 754-54/9
Mortgage Lenders Name & Address
Circle the correct power company — FL Power & Light — Clay Elec. — Suwannee Valley Elec. — Progress Energy
Property ID Number 26 45 16 03185 051 Estimated Cost of Construction 7,000
Subdivision Name Green Acres Addition Lot Block Unit Phase
Driving Directions Hwy 47 South, TR on CR 242, TL on Zebra Te
Second lot on Right.
Number of Existing Dwellings on Property
Number of Existing Dwellings on Property Construction of Single Family Total Acreage 5 Lot Size 5
Do you need a - <u>Culvert Permit</u> or <u>Culvert Waiver</u> or <u>Have an Existing Drive</u> Total Building Height <u>20</u>
Construction of
Number of Stories Heated Floor Area
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. Page 1 of 2 (Both Pages must be submitted together.) Revised 11-30-07
Page 1 of 2 (Both Pages must be submitted together.) Revised 11-30-07

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

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

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

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

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

Contractor's License Number <u>CBC/254765</u> Columbia County Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this

or Produced Identification

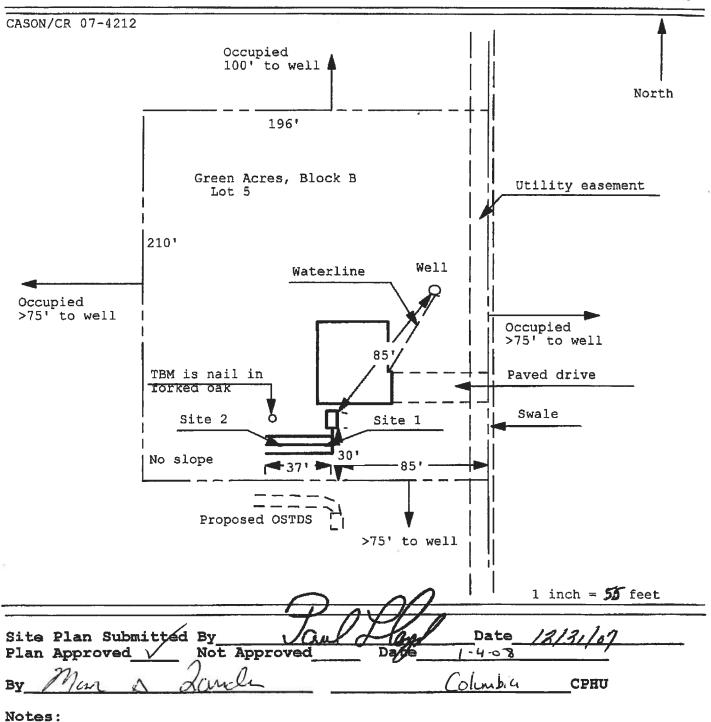
of Florida Notary Signature (For the Contractor)

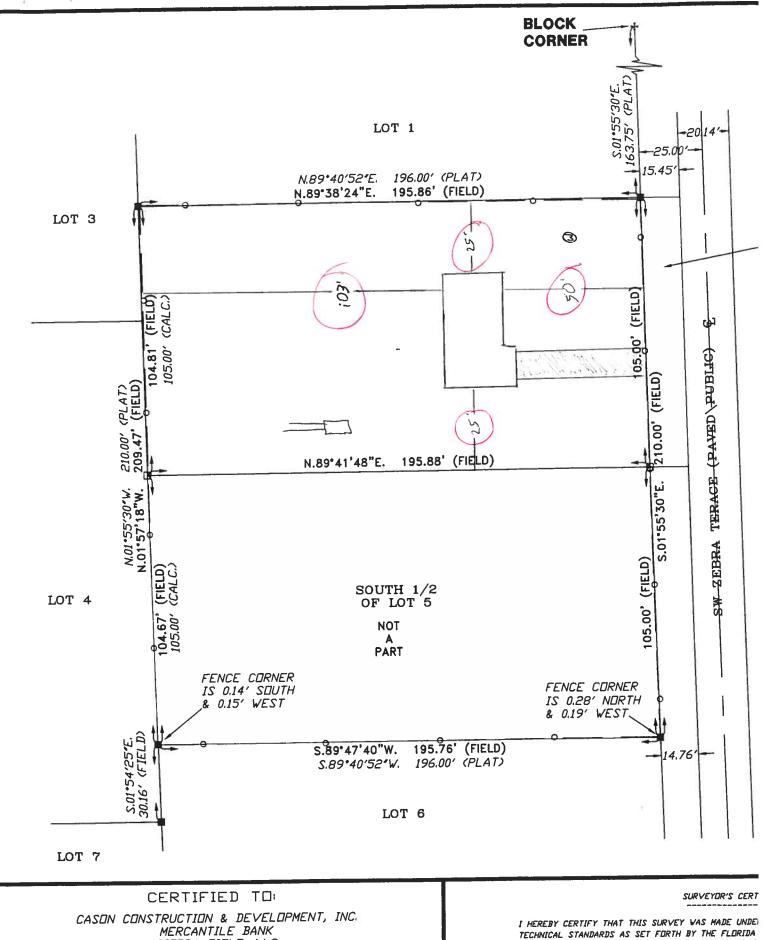
Zannie Little Commission # DD293450 Expires February 23, 2008 Bonded Troy Fain - Insurance, Inc. 600-385-7019 evised 11-30-07

Page 2 of 2 (Both Pages must be submitted together.)

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

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT





MERCANTILE BANK SIERRA TITLE, LLC TICOR TITLE INSURANCE COMPANY

FIELD BOOK 298

05/09/07 FIELD SURVEY DATE

58

PAGE(S): -

05/09/07 DRAWING DATE

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFO

IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, P.

Prepared by & Return to: Matthew D. Rocco Sierra Title, LLC 619 SW Baya Drive, Suite 102 Lake City, Florida 32025

File Number: 07-0161

General Warranty Deed

Made this July 26, 2007 A.D. By Franklin T. St. John and his wife, Margaret H. St. John, whose address is: 120 SW Zebra Terrace, Lake City, Florida 32024-, hereinafter called the grantor, to Cason Construction & Development, Inc., a Florida corporation, whose post office address is: 2910 SW CR 242, Lake City, FL 32024, hereinafter called the grantee:

(Whenever used herein the term "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 corporations)

Witnesseth, that the granter, for and in consideration of the sum of Ten Dollars, (\$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:

Lot 5, Block B, GREEN ACRES SUBDIVISION, according to the plat thereof, as recorded in Plat Book 3, Page 95, of the Public Records of Columbia County, Florida.

Parcel ID Number: 03185-008

N.B. THIS WARRANTY DEED IS IN FULFILLMENT OF THAT CERTAIN AGREEMENT FOR DEED RECORDED IN OR BOOK 1126, PAGE 702, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

Together with all the 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, 2006.

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:	10	
Witness Printed Name	Franklin T. St. John Address: 120 SW Zebra Terrace, Lake City, Florida 32024-	Seal)
	Margaret H. St. John (S	Seal)
Witness Printed Name	Address:	
State of Florida County of Columbia		

The foregoing instrument was acknowledged before me this 26th day of July, 2007, by Franklin T. St. John and his wife, Margaret H. St. John, who is/are personally known to me or who has produced a Drivers License as identification.



Project Name:

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Cason Construction - Cottonwood Model

	Lot: 1, Sub: Green Acres, Plat, FL 32024- Spec House North	ood Model :	Builder: Permitting Office: Permit Number: Jurisdiction Numbe	Nathan Peterson Const. Columbia 26589 TE 221000
a. U-factor:	Single family Single famil	a. Central b. N/A c. N/A 13. Heating a. Electric b. N/A c. N/A 14. Hot wate a. Electric b. N/A C. Conserva (HR-Hea DHP-De 15. HVAC cr (CF-Ceili HF-Whoi PT-Progr MZ-C-M	Systems Heat Pump er systems Resistance attion credits t recovery, Solar dicated heat pump)	Cap: 36.0 kBtu/hr SEER: 13.00 Cap: 36.0 kBtu/hr HSPF: 7.70 Cap: 80.0 gallons EF: 0.92 PT, On,
Glass/FI		ilt points: 19404 e points: 21141	PAS	S

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

PREPARED BY:

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

OWNER/AGENT: ___

DATE:

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



BUILDING OFFICIAL:	O WE I
DATE:	

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4. EnergyGauge® (Version: FLRCPB v4.5.2)

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Green Acres, Plat: , , FL, 32024-

PERMIT #:

	BAS	E				AS-	BUI	LT			
GLASS TYPES .18 X Conditi Floor A	oned X E	BSPM =	Points	Type/SC		hang			SPM	x so	F = Points
.18 142	0.0	18.59	4752.0	1.Single, Clear	W	11.5	8.0	40.0			
				2.Single, Clear	w	1.5	8.0	60.0	43.84 43.84		
				3.Single, Clear	N	1.5	8.0	6.0	21.73		
				4.Single, Clear	E	10.5	8.0	13.3	47.92		
				5.Single, Clear	E	5.5	8.0	15.0	47.92		
				6.Single, Clear	Е	1.5	8.0	15.0	47.92		
				7.Single, Clear	S	1.5	8.0	4.0	40.81		
				8.Single, Clear	S	1.5	8.0	12.0	40.81		
				As-Built Total:				165.3			5470.0
WALL TYPES	Area :	X BSPM	= Points	Туре		R-\	/alue		X SI	-M =	
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior			2.0	000 7			
Exterior	1196.7	1.70	2034.4	2. Frame, Wood, Exterior			3.0	998.7	1.5		1498.1
				2. Franc, Wood, Exterior		1	3.0	198.0	1.5	10	297.0
Base Total:	1196.7		2034.4	As-Built Total:				1196.7			1795.1
DOOR TYPES	Area >	BSPM	= Points	Туре				Area	X SF	PM =	Points
Adjacent	18.0	2.40	43.2	1.Exterior Insulated	<u> </u>			20.0	4.1	^	90.0
Exterior	20.0	6.10	122.0	2.Adjacent Insulated				18.0	1.6		82.0
								10.0	1.0	U	28.8
Base Total:	38.0		165.2	As-Built Total:				38.0			110.8
CEILING TYPES	Area X	BSPM	= Points	Туре	R-	Value	Ar	ea X SI	PM X S	CM =	Points
Under Attic	1420.0	1.73	2456.6	1. Under Attic		30	0.0 1	600.0 1.7	73 X 1.00)	2768.0
Base Total:	1420.0		2456.6	As-Built Total:			1	600.0			2768.0
FLOOR TYPES	Area X	BSPM =	Points	Type						<u> </u>	2766.0
	<u> </u>		- FUIIIS	Туре		R-V	alue	Area	X SP	M =	Points
Slab 1 Raised	75.0(p)	-37.0	-6475.0	1. Slab-On-Grade Edge Insulation	оп	0	.0 17	75.0(p	-41.20)	-7210.0
/aiseu	0.0	0.00	0.0					**			. =
Base Total:			-6475.0	As-Built Total:				17E A			
NFILTRATION	Area X	BSPM =		Dane Total.				175.0			-7210.0
					·		-	Area X	SPI	VI =	Points
	1420.0	10.21	14498.2					1420.0	10.2	1	14498.2

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Green Acres, Plat: , , FL, 32024- PERMIT #:

	BASE		AS-BUILT
Summer Ba	ise Points: 1	7431.4	Summer As-Built Points: 17432.1
Total Summer Points	X System = Multiplier	Cooling Points	Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)
17431.4	0.3250	5665.2	(sys 1: Central Unit 36000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 17432

PERMIT #:

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Green Acres, Plat: , , FL, 32024-

BASE		AS-BUILT			BU				
GLASS TYPES .18 X Conditioned X BWPM = Point Floor Area	ts		Ovei	rhang Len	Hgt	Area X	WPM X	wo	F = Points
.18 1420.0 20.17 515	5.0	1.Single, Clear	W	11.5	8.0	40.0	28.84	1.20	1385.0
Ī		2.Single, Clear	W	1.5	8.0	60.0	28.84	1.01	1749.0
		3.Single, Clear	N	1.5	8.0	6.0	33.22	1.00	199.0
		4.Single, Clear	Ε	10.5	8.0	13.3	26.41	1.36	477.0
i .		5.Single, Clear	Ε	5.5	8.0	15.0	26.41	1.19	471.0
		6.Single, Clear	Ε	1.5	8.0	15.0	26.41	1.02	403.0
		7.Single, Clear	S	1.5	8.0		20.24	1.04	84.0
		8.Single, Clear	S	1.5	8.0	12.0	20.24	1.04	252.0
		As-Built Total:				165.3			5020.0
WALL TYPES Area X BWPM = Po	oints	Туре		R-\	/alue	Area	X WPN	/1 =	Points
Adjacent 0.0 0.00	0.0	1. Frame, Wood, Exterior		1	13.0	998.7	3.40		3395.6
Exterior 1196.7 3.70 44	27.8	2. Frame, Wood, Exterior			3.0	198.0	3.40		673.2
Base Total: 1196.7 44	27.8	As-Built Total:				1196.7			4068.8
DOOR TYPES Area X BWPM = Po	ints	Туре				Area	X WPM	1 =	Points
Adjacent 18.0 11.50 2	07.0	1.Exterior Insulated				20.0	8.40		168.0
Exterior 20.0 12.30 2		2.Adjacent Insulated				18.0	8.00		144.0
Base Total: 38.0 4	53.0	As-Built Total:				38.0			312.0
CEILING TYPES Area X BWPM = Po	ints	Туре	R-\	/alue	Are	ea X Wi	PM X WC	:M =	Points
Under Attic 1420.0 2.05 29	11.0	1. Under Attic		3	0.0	1600.0 2	.05 X 1.00		3280.0
Base Total: 1420.0 29	11.0	As-Built Total:				1600.0			3280.0
FLOOR TYPES Area X BWPM = Po	ints	Туре		R-V	alue	Area	X WPM	=	Points
Slab 175.0(p) 8.9 155 Raised 0.0 0.00	57.5 0.0	1. Slab-On-Grade Edge Insulation	1	(0.0 1	75.0(p	18.80		3290.0
Base Total: 155	57.5	As-Built Total:				175.0			3290.0
INFILTRATION Area X BWPM = Poi	nts					Area >	K WPM	=	Points
1420.0 -0.59 -83	37.8					1420.0	-0.59		-837.8

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Green Acres, Plat: , , FL, 32024- PERMIT #:

	BASE		AS-BUILT
Winter Base	Points:	13666.5	Winter As-Built Points: 15133.0
Total Winter X Points	System = Multiplier	Heating Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)
13666.5	0.5540	7571.2	(sys 1: Electric Heat Pump 36000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 15133.0 1.000 (1.069 x 1.000 x 1.00) 0.443 0.950 6806.0 15133.0 1.00 1.069 0.443 0.950 6806.0

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 Pump25 Gallons Per MinuteVoltage: 240Phase: (Single) 1

TANK

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

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1TDH8228Z0226103217

Truss Fabricator: Anderson Truss Company

Job Identification: 7-381--Fill in later CASON CONSTRUCTION -- , **

Truss Count: 34

Model Code: Florida Building Code 2004 and 2006 Supplement Truss Criteria: ANSI/TPI-2002(STD);ANSI/TPI-2002(STD)/FBC

Engineering Software: Alpine Software, Versions 7.37, 7.36.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Address: the seal date per section 61G15-31.003(5a) of the FAC

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-02 -Closed

Notes:

 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.

Ref

3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Description

Drawing#

Date

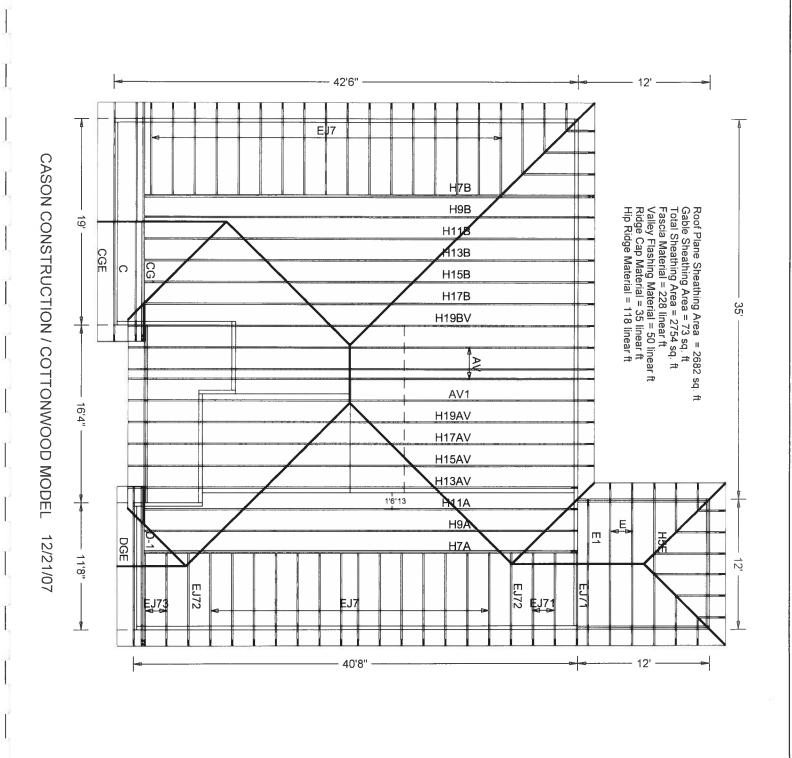
Details: BRCLBSUB-A11015EE-GBLLETIN-CNBRGBLK-

#	Kei bescription	DI awing#	Duce
1	20457H7A	07360032	12/26/07
2	20458H9A	07360021	12/26/07
3	20459 H11A	07360022	12/26/07
4	20460 H13AV	07360023	12/26/07
5	20461 H15AV	07360024	12/26/07
6	20462H17AV	07360025	12/26/07
7	20463 H19AV	07360026	12/26/07
8	20464AV1	07360010	12/26/07
9	20465 AV	07360011	12/26/07
10	20466H19BV	07360012	12/26/07
11	20467 H7B	07360035	12/26/07
12	20468H17B	07360027	12/26/07
13	20469 H9B	07360028	12/26/07
14	20470H11B	07360029	12/26/07
15	20471H13B	07360030	12/26/07
16	20472H15B	07360031	12/26/07
17	20473CGE	07360036	12/26/07
18	20474 C	07360013	12/26/07
19	20475 CG1	07360037	12/26/07
20	20476 DGE	07360040	12/26/07
21	20477 D - 1	07360038	12/26/07
22	20478 E	07360014	12/26/07
23	20479 E1	07360015	12/26/07
24	20480CJ1	07355002	12/21/07
25	20481 HJ5	07360034	12/26/07
26	20482HJ7	07360033	12/26/07
27	20483CJ3	07355001	12/21/07
28	20484 EJ5	07360016	12/26/07
29	20485 H5E	07360039	12/26/07
30	20486 EJ7	07360017	12/26/07
31	20487 = = EJ71	07360018	12/26/07
32	20488EJ72	07360019	12/26/07
33	20489 EJ73	07360020	12/26/07
34	20490CJ5	07355003	12/21/07

Seal Date: 12/26/2007

-Truss Design Engineer-Doug Fleming Florida License Number: 66648 1950 Marley Drive Haines City, FL 33844





JOB NO: 7-381 PAGE NO: 1 OF 1

JOB DESCRIPTION:: Fill in later
/: CASON CONSTRUCTION

TC - From 62 PLF at 0.00 ITC - From 62 PLF at 4.75 ITC - From 62 PLF at 7.00 ITC - From 62 PLF at 34.67 ITC - From 62 PLF at 37.25 BC - From 20 PLF at 37.25 IBC - 187 LB Conc. Load at 18.06, 20.06, 21.60, 23.60, 23.60, 39.60 BC - 82 LB Conc. Load at 18.06, 20.06, 21.60, 23.60, 23.60, 23.60, 20.06, 21.60, 23.6 Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W2 2x4 SP The TC of this truss shall be braced OC in lieu of structural sheathing. SPECIAL LOADS ļΨ Haines City, FL 33844
Haines City, FL 33844 381 TYP. (LUMBER Fill in later ALPINE 20 Gauge HS, Wave 2.5x6 | R DUR.FAC.=1.25 62 PLF at 0.00 62 PLF at 4.75 4 X 10 ≡ 2 PLF at 34.67 2 PLF at 37.25 3 PLF at 0.00 R=4469 U=628 W=4" ₹2 4-9-0 CASON CONSTRUCTION ***IMPORTANT***quantsi, A. COPY OF THIS DESIGN TO THE TUSTALATION CONTRACTOR. THE REG. THE SHALL HOT BE RESPONSIBLE FOR ANY DETAINED RESPONSIBLE FOR MAY DETAINED REPORT OF THE RESPONSIBLE FOR ANY DETAINED REPORT OF THE RESPONSIBLE FOR ANY DETAINED REPORT OF THE RESPONSIBLE FOR ANY DESIGN OF THE RESPONSIBLE FOR THE RESPONSI **WARNING** TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACHE. RETER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE HISTITUIT, 21B HORTH LEE STREET, SHIEL 312, ALEXANDRIA, VA, 22314) AND MICA (MODD TRUSS COUNCEL OF AMERICA, 6300 CHIERPAS LAHE, HANSON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERORHHIG HUSE FUNCTIONS. HHLESS OTHERWISE HORTCHED DEFOURDS MALL HAME PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAME A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAME 6 X 8 ≡ BUILDING DESIGNER PER ANSI/TP1 1 SEC DRAWING INDICATES 0 to 8.06, 25.60, t 0.06, 7X8≡ 8.06, 25.60, 6 to PLATE DUR.FAC #2 Dense: 3-0 3 X 4 ≡ 5 X 1 0 ≡ 62 PLF at 4.75 62 PLF at 34.67 62 PLF at 39.67 62 PLF at 39.67 62 PLF at 39.67 20 PLF at 39.67 10.06, 12.06, 14 27.60, 29.60, 31 2.06, 4.06, 6 10.06, 27.60, with 12.06, 14.06, 29.60, 31.60, 4.06, 6.06, 12.06, 29.60, attached Design Crit: 14.06, 31.60, spans at 24" H7A) 3 X 9 ≡ 3 X 4 ≡ 16.06 33.60 35.60 $\frac{16.06}{33.60}$ TPI-2002 (STD) Cq/RT=1.00 (1.25) /10 (0) HS412 **=** 39 Е -8-0 0ver 1.5X4 ∾ 27-8-0 4 X 8 ≡ Supports RESPONSIBILITY OF THE = 5 X 6 ≡ Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting. In lieu of structural panels use purlins to brace all flat TC $24\mbox{\ensuremath{^{\circ}}}\ 0\mbox{\ensuremath{^{\circ}}}\ .$ Wind reactions based on MWFRS pressures 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 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. Max JT End verticals not exposed to wind pressure DL=5.0 psf. COMPLETE VERT DEFL: LL: 0.37" DL: 0.56" recommended camber GOUGUAS FLE 2.5X6 SSOONAL ENGINEE 4 X 8 ≡ CENSE No. 6664 TRUSSES 4 X 5 ≡ * 107 REQUIRED 5X12 == $3 \times 4 \equiv$ BC DL TC DL DUR.FAC. BC LL TC LL SPACING TOT.LD. 2-7-0 FL/-/4/-10X14 # 1.5X4 ₩ 6 =4470 U=696 2-5-0 /E/R/-1.5X4 III 40.0 1.25 10.0 PSF 10.0 PSF 20.0 PSF 24.0" 4 X 8 = 0.0 PSF PSF 8-0-0 7/8" JREF-REF DATE SEQN: HC-ENG DRW HCUSR8228 07360032 Scale = .1875"/Ft. (e) R8228-1TDH8228Z02 JB/DF 8877 12/26/07 20457 REV

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP In lieu of structural panels use purlins to brace all flat TC @ $24\mbox{\,"}$ OC. PLT TYP. 381 Fill in later CASON CONSTRUCTION ALPINE Wave 3X8(B1) = R=1640 U=158 W=4" #2 Dense #2 Dense #3 6 **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR THE BEG. THE. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; VAY FAILURE TO BUILD THE RRUSS IN COMPORMANCE WITH TPI; OR FARRICHING, SHAPIDL, SHAPIDL, BUSALLING A BRACTING OF FRUSSES, DESIGN CONFIDENCE HIS ARE HADE OF ZO/IM/1666 (H. LINE ARE HADE OF ZO/IM/1666 (H. H.) FSS/K) ASIH A653 GRADE 40/60 (H. K/H.SS) AGLY. STEEL, APPLY PLAIES TO EACH FACE OF TRUSS AND. UNICSS OHERHISE LOCATED ON THIS DESIGN, POSITION FOR BRAWHINGS 160A Z. ANY HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 SEC. 3. A SEAL ON THIS DRAWHING HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 TO BE HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 TO BE HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 TO BE HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 TO BE HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 TO BE HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 TO BE HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 TO BE HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 TO BE HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 TO BE HISPECTION OF PLAIES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TPIT 2002 TO BE HISPECTION OF THE SHAPP BY AND THE BY AND THE SHAPP BY AND THE BY AND THE SHAPP BY AND THE SHAPP BY AND THE BY AND THE SHAPP BY AND THE BY AND THE BY AND THE BY **WARNING** TRUSSES REUNIRE EXTREME CARE IN FABRICATION. HANDLING. SHIPPING, INSTALLING AND BRACING RETER TO BEST. (BUILDING COMPONENT SAFET HEOBERSTON), PUBLISHED BY PET (FRUSS PLATE HESTITHE, 278 MRSH HEE SHREE, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (MODD TRUSS COUNCEL OF AMERICA, 6300 ENTERPRISE LAIM, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HEST FUNCTIONS. UNLESS OTHERNISE HUDICALIED OF CHARD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND ROTTOM CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND ROTTOM CHORD SHALL HAVE 9-0-0 1.5X4 🦊 3 X 4 **≡** 5 X 8 **≡** Design Crit: H9A) $2.5 \times 6 \equiv$ TPI-2002(STD)/FBC Cq/RT=1.00(1.25) 3 X 4 ≡ 39-8-0 Over 4 X 6 ≡ 2 Supports 1.5X4 III 23-8-0 4 X 8 == /10(0)3 X 6 ≡ Ħ Wind reactions based on MWFRS pressures 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(+/ $^{\prime}$)=0.18 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 3 X 4 **=** 4 X 4 ≡ SOULCENS No. 6664 3 X 5 ≡ 5 X 5 **≡** 5 X 8 🚞 BC DL BC LL TC DL DUR.FAC. TC LL TOT.LD. FL/-/4/-/E/R/ 7-0-0 6 R=1627 U=160 40.0 PSF 10.0 PSF 20.0 PSF 3X8 // 10.0 PSF 1.25 2X4 III 0.0 PSF ♣8-0-0 1-4-3 ± REF DATE SEQN-HC-ENG DRW HCUSR8228 07360021 Scale = .1875"/Ft. R8228-JB/DF 26077 12/26/07 20458

Haines City, FL 33844
FL Continue of Authorization # 0 270

DRAHHA !NDICALES ACCEPIANCE OF PROFESSIONAL ENGINEERING RESPONDESIGN SMOWN. HE SUILABILITY AND USE OF THIS COMPONENT FOR BUILDING DESIGNER PER ANSI/TPI I SEC. 2.

07

SPACING

24.0"

JRFF-

1TDH8778Z02

In lieu of structural panels use purlins to brace all flat TC @ $24\mbox{\ensuremath{^{\circ}}\xspace}$ Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 (A) Continuous lateral bracing equally spaced on member (7 381 Fill in later CASON CONSTRUCTION Haines City, FL 33844
Haines City, FL 33844 TYP. ALPINE Wave 3X8(B1) = R=1640 U=156 W=4" 6 **MARNING** IRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SUPPING, INSTALLING AND BRACING, REFER TO BCSI. (BUILDING COMPONENT SACITY INFORMATION), PUBLISHED BY TRI (RUSS PLATE INSTITUTE, 218 MORTH LEE STREEL, SULTE 317, ALEXANDRIA, VA, 22314) AND MICA (MODO TRUSS COMMENT OF MARRICA. 6300 ENTERPRISE LARE, MADISON, MI 5379) FOR SACITY PRACTICES PRIOR TO PERCHANGE UNESE TUNCTIONS. UNLESS OTHERWISE LADICATED FOR CORDS SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SMALL HAVE A PROPERLY ATTACHED RIGHT OF CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SMALL HAVE 11-0 1.5X4 III 3 X 4 /// 0 Design Crit: 3 X 4 ≡ 5 X 8 == * H11A) TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 39-8-0 3 X 6 ≡ 1.5X4 III Over 4 X 8 ≡ 2 Supports 19-8-0 3 X 6 ≡ Ħ Wind reactions based on MWFRS pressures 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 3 X 4 ≡ 3 X 4 ≡ 7.36.0 GOUGLAS FLA CENSE 3 X 5 ≡ 5 X 8 ≡ 3 X 4 ≡ 26 07 64 X 4 // 9-0-0 BC LL BC DL DUR.FAC. TC DL TC LL TOT.LD. FL/-/4/- \odot R=1627 U=158 2.5X8 **≡** /E/R/ 20.0 40.0 1.25 10.0 PSF 10.0 PSF 0.0 PSF PSF PSF ♣8-0-0 1-4-3 ± DATE REF SEQN-DRW HCUSR8228 07360022 HC-ENG Scale = .1875"/Ft. R8228- 20459 JB/DF 26087 12/26/07

BUILDING DESIGNER PER ANSI/IPI I SEC.

SPACING

24.0"

JREF -

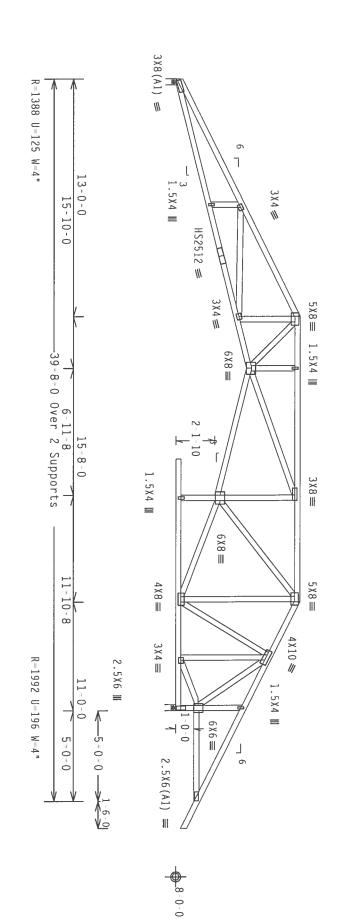
Top chord 2x4 SP / Bot chord 2x4 SP / Webs 2x4 SP / (7-381--Fill in later CASON CONSTRUCTION #2 Dense #2 Dense #3 H13AV)

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 0.22 $^{\circ}$ 0.35 $^{\circ}$ due to dead load. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is $1.50\,\mathrm{cm}$ due to live load and

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC $24\mbox{\ensuremath{^{\circ}}}\xspace$ 0C.



MARNING HRUSES REGULRE LYREKE CARE IN FARRICATION, IMMOLING, SHIPPING, HESLALLING AND BRACHEG. REFER TO RESS! (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IFI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREE, SUITE 312, ALEXANDRIA, VA, 22314) AND NICA (MOND TRUSS COUNCIL OF ANCHECA, 6300 ENTERPRISE LANE, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HIESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR COMEN SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

TYP.

20 Gauge HS, Wave

Design Crit:

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

7.36.04

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

20.0 PSF

REF

R8228

20460

Scale = .1875"/Ft.

BUILDING DESIGNER PER ANSI/IPT 1 SEC.

lΞ

ITW Building Components Group, Inc. Haines City, FL 33844 Fl. Cartificate of Authorization # 0.270

ALPINE

SOUCENSE SONAL BIGGIE No.66648 * TC LL

	07			rit fiction or	
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF
JRFF- 1TDH8228Z02		SEQN= 26142	HC ENG JB/DF	DRW HCUSR8228 0736002	DATE 12/26/07

Top chord 2x4 SP p Bot chord 2x4 SP p Webs 2x4 SP p In lieu of structural panels use purlins to brace all flat TC $24\mbox{\ensuremath{^{\circ}}}\ 0\text{\ensuremath{\mathbb{C}}}.$ Calculated horizontal deflection is 0.19" due to live load 0.30" due to dead load. PLT TYP. Haines City, FL 33844
F) Conficate of Aminonization #0 770 (A) Continuous lateral bracing equally spaced on member. 381 Fill in later ALPINE 20 Gauge HS, 1-6-0 3X8(A1) = #2 Dense #2 Dense #3 R=1490 U=145 W=4" CASON CONSTRUCTION Wave **IMPORTANT**TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM HIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMFORMANCE WITH THIS DESIGN, ANY BEACHED OF THE STATE O BUILDING DESIGNER PER ANSI/IPI 1 SEC. DESIGH COMPORES WITH APPLICABLE PROVISIONS OF MDS (MATIONAL DESIGN SPEC, BY ATRAYA) AND TPJ. ITM BCG CONNECTOR PLAIES ARE MADE OF 70/18/16GA (M./MS/S), ASTM AGS GRADE 40/6G (M. K/M.SS) GALY. STEEL. APPLY PLAIES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAKHINGS 16GA Z. ANY HISPECTION OF PLAIES FOLLOWER BY (1) SHALL BE PER MANKEX AS OF TPI 1 2002 SEC.3. AS SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL EMELICETING RESPONSIBILITY SOLELY FOR HE RESPONSIBILITY OF THE DRESSEN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT TORS ANY BUILDING IS THE RESPONSIBILITY OF THE A PROPERLY ATTACHED RIGID CEILING. 6 3X4 # 15-0-0 15-10-0 1.5X4 III 3X5 # Design Crit: HS2512 ≢ H15AV) TPI-2002(STD)/FBC Cq/RT=1.00(1.25) and 4X8(**) ≡ 5X6≡ 5 X 8 💻 39-8-0 3 X 4 ≡ 0ver 6-11-8 Over 2 Supports 2-1-10 /10(0)11-8-0 2-0-0 6 X 8 ≡ Wind reactions based on MWFRS pressures 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 (**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 1.5X4 III 4 X 4 ≡ $\widehat{\geq}$ STONAL ENGINEE 4 X 8 ≡ 5 X 8 **≡** 10 - 84X10 / 3 X 4 **=** 07 3X5 /// R=1990 U=164 W=4" 13-0-0 2.5X6 III TC DL DUR.FAC. BC DL TC LL TOT.LD. FL/-/4/-/E/R/-1.5X4 **Ⅲ** 1-0-0 7 5 X 8 **≡** -5-0-0 5-0-0 40.0 10.0 PSF 20.0 PSF 10.0 PSF 1.25 0.0 $2.5 \times 6 \text{ (A1)} \equiv$ PSF PSF DATE REF SEQN-HC-ENG DRW HCUSR8228 07360024 Scale =.1875"/Ft. R8228-JB/DF 26146 12/26/07 20461

SPACING

24.0"

JRFF-

1TDH8778Z02

Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 :Lt Splice Block 2x4 SP #3: (7 381 Fill in later CASON CONSTRUCTION H17AV) Wind reactions based on MWFRS pressures 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 trained a bitterestance found on a supply

Calculated horizontal deflection is 0.22" $0.34\mbox{''}$ due to dead load.

due to live load

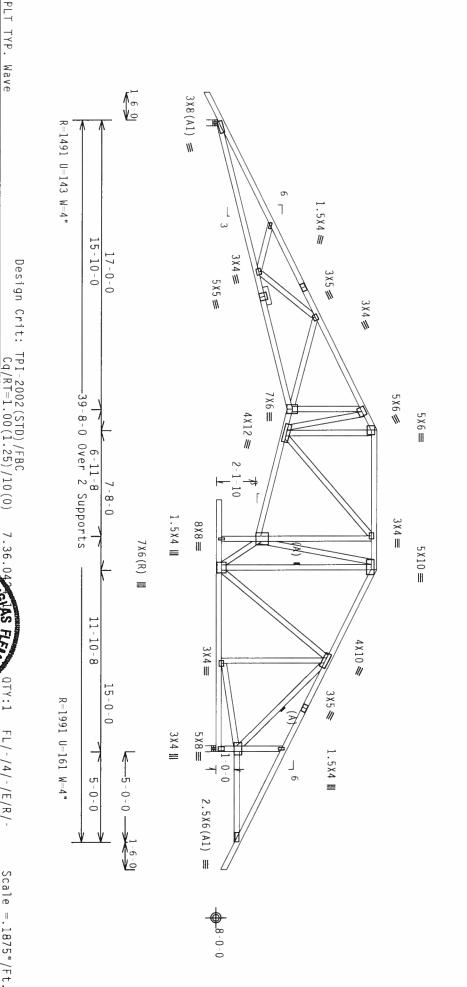
and

brace all flat TC @

In lieu of structural panels use purlins to $24\mbox{\ensuremath{^{\circ}}}\ 0C.$

(A) Continuous lateral bracing equally spaced on member

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



IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BHILD THE TRUSS IN COMPORMANCE WITH PET: OR FLARECATIO. MANUALURG, SHEPPIG, HISALLING A BRACTING OF TRUSSES.

DESIGN CONFORMS HITH APPLICABLE PROVISIONS OF UNDS (MAIDONAL DESIGN SPEC, BY ATRA) AND PET. THE BCG CONNECTOR PLATES ARE HADE OF 20/10/160A (M.H/SS/M.) ASTM A653 GRADE 40/60 (M.K./M.SS) GALV. STIEL. APPLY PHATES TO EACH FACE OF TRUSS AND. UNILESS OTHERWISE LOCALED ON THIS DESIGN. POSITION FER DRAWHIGS 160A Z. ANY INSPECTION OF PAATES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF THIS 200EY FOR HIT HOSE COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS 200EY FOR HIT HOSE COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS 200EY FOR HIT HOSE COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS 200EY FOR HIT HOSE COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS 200EY FOR HIT HOSE COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THE SOURCE BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BE FER ANNEX AS OF THIS COMPOUNDED BY (I) SHALL BY THE ASSET BY AS OF THE SOURCE BY ANY BY AS OF THE SOURCE BY ANY BY AS OF THE SOURCE BY AS OF **WARNING** TRUSSES REQUIRE CYREME CARE IN FARRICATION, IMABLIGA, SHIPPING, INSTALLIG AND BRACING RETER TO BEST (RULIDING COMPONERS SAFETY INFORMATION), PROLISHED BY FIT (RUSS PLATE INSTITUTE, 218 HORTI LLE SIREE, SUITE 312, ALEXANDRIA, VA, 22314) AND NICA (NOOD TRUSS COUNCIL OF AMERICA, 6300 ERIESERS) AND SON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORMING THESE FUNCTIONS. UNLESS OBTHERMISE LIDICALED DO CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAHELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAHELS AND BOTTOM CHORD SHALL HAVE

No. 6664

BC DL

10.0 PSF

DRW HCUSR8228 07360025

TC DL TC LL

10.0 PSF

DATE REF

12/26/07 20462

20.0 PSF

R8228-

BC LL

0.0 PSF

HC-ENG

JB/DF 26150

TOT.LD.

40.0 PSF

SEQN-

DRAHIMG INDICALES ACCEPTANCE OF PROFISSIONAL ENGINEERING RESPO DESIGN SHOMM. THE SUITABILITY AND USE OF THIS COMPONENT FOR BUILDING DESIGNER PER ANSI/PPI I SEC. 2. 07

SPACING DUR.FAC.

24.0"

JRFF-

1TDHR228Z02

1.25

Haines City, FL 33844
Ft Cale of Anti-ization # 0 270

ization " o and

ALPINE

(7 381 Fill in later CASON CONSTRUCTION H19AV)

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP :Lt Splice Block 2x4 SP #3: #2 Dense #2 Dense #3

Calculated horizontal deflection is 0.18" due 0.28" due to dead load. to live load and

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

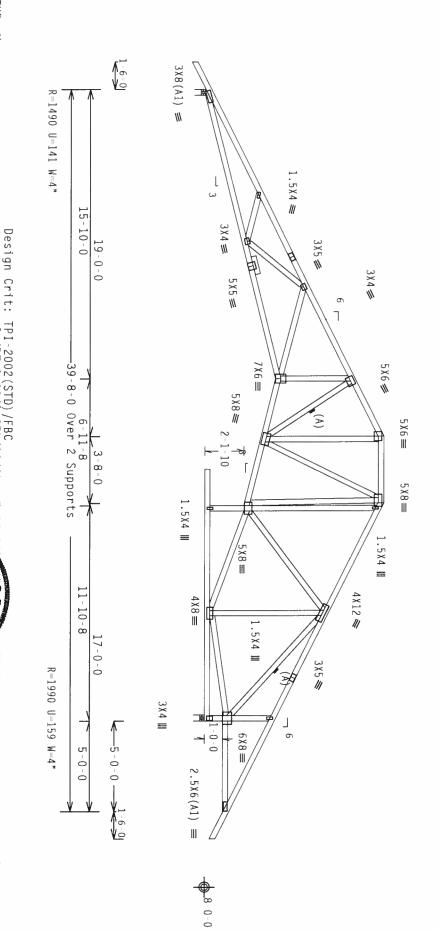
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/ $^{\prime}$)=0.18

for the war and and the formatter the second to the

Wind reactions based on MWFRS pressures

(A) Continuous lateral bracing equally spaced on member

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



WARNING RUSSES REQUIRE EXPREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACHIG REFER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IT! (RUSS PLATE HESTITUHE, 218 HORTH LE STREE, SUITE 312, ALEXANDRÍA, VA, 22314) AND MEGA (MOND TRUSS COUNCIL OF AMERICA, 6300 FRITERRASSE LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HEST FUNCTIONS. UNLESS OTHERMESTS HANGLED FOR MEDD SHALL HAVE PROPERLY ATLACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATLACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

TYP.

Wave

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE THISTALLATION CONTRACTOR THE BCG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE THIS DESIGN TO BUILD THE TRUSS IN COMPORANCE WITH IP: OR FLARECATING, ANNOLUGE, SHEPPIG., HEYALLIGA BRACHING OF TRUSSES. BY AFRYA AND THIS DESIGN CONFORMS WITH APPLICABLE PROPYSIONS OF NNS (MATIONAL DESIGN SPEC, BY AFRYA AND THIS CONTROLS OF THE APPLICABLE PROPYSIONS OF THIS DESIGN SPEC, BY AFRYA AND THIS DESIGN OF THIS DESIGN TO THE THIS DESIGN TO THE THE THIS DESIGN TO THE TRUSS AND THIS DESIGN TO THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/IPI I SEC. RESPONSIBILITY OF

I⊒

Haines City, FL 33844
Haines City, FL 33844

zation " n 770

ALPINE

7.36.0 COSONAL BROWNER CENS 07 BC LL BC DL DUR.FAC. TC DL SPACING TC LL TOT.LD. FL/-/4/-/E/R/ 40.0 1.25 10.0 PSF 20.0 PSF 24.0" 10.0 PSF 0.0 PSF PSF

REF

Scale =.1875"/Ft. R8228-

DATE

12/26/07 20463

JRFF-

1TDH8778Z02

SEQN-

HC-ENG

JB/DF 26159

DRW HCUSR8228 07360026

Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 :Lt Splice Block 2x4 SP #3: Calculated horizontal deflection is 0.19" due to live load 0.29" due to dead load. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is $1.50\,.$ (7 381 Fill in later CASON CONSTRUCTION Haines City, FL 33844
Haines City, FL 33844 1-0-0 TYP. ALPINE Wave 1-6-0 3X8(A1) = R=1492 U=139 W=4" ** IMPORTANT*** URBINISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ROSS, THE SCH. THE SEC. THE STALL NOT BE RESPONSING FOR ANY EXPLANATION FROM THIS DESIGN. ANY FALURE TO BULLO HE RUSSS. IN COMPORMANCE HITH PRIS DESIGN. THE STALL NOT A BRACHE OF TRUSSS.

DESIGN COMPORES WHILL APPLICABLE PROVISIONS OF DISS (MAITDAN DESIGN STEEL, BY ATRA) AND FIT. BEGGE CONNECTOR PLATES ARE MADE OF 20 JPB/IGG. (M.MYSS/M) ASTH MOST GRADE 40/50 (M.K.M.SS) GALV. SITEL. APPLY THATES ARE MADE OF 100 FEB. SHEEL SHEEL AND THIS DESIGN. POSITION FEB DRAWHOS 160A Z. ANY HISSECTION OF PLATES OLICHOR DRY (1) SHALL BE PER ANNEL AS OF THIS DOOR SEC.). A SEAL ON THIS ANY HISSECTION OF PLATES OLICHOR DRY (1) SHALL BE PER ANNEL AS OF THIS DOOR SEC.). **WARNING** IRUSSES REDUTRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, RETER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY PIT (TRUSS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 137, ALEXANDRA, VA, 22314) AND MICA (MODD TRUSS COUNCEL O AMERICA, 6300 CHILEMPLSE LANL, HADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNICESS OTHERMISE INDICATED TO PUBLISH SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNICESS A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE DRAWING INDICATES 1.5X4 ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPO 5 -10-0 3X4 ≡ Design Crit: 3×5/ 5 X 5 **#** 20-10-0 3X4 // AV1) 6 TPI-2002(STD)/FBC Cq/RT=1.00(1.25), and 7 X 6 ≡ 39-8-0 Over 5 X 6 // SOLLLY FOR THE TRUSS COMPONENT OF THE Ξ /10(0)2 Supports 4X10# 5 X 6 == 3X6# 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. (A) Continuous lateral bracing equally spaced on member 15-6-0 7.36.04 3 X 4 🥒 3 X 4 # CENSO No. 66640 JANO, ZORIO 6 ER NEER 18-10-0 3 X 5 🥒 4 X 10 🥒 5 X 6 == 07 R=1994 U=153 W=4" 4-0 BC DL TC DL DUR.FAC. 8 C TC LL 2.5X6 III TOT.LD. 1.5X4 **Ⅲ** 8 X 8 == FL/-/4/-/E/R/-**-5** - 0 - 0 5-0-0 40.0 1.25 10.0 PSF 20.0 PSF 10.0 PSF 0.0 $2.5 \times 6(A1) =$ 1-6-0 V PSF PSF DATE REF SEQN-DRW HCUSR8228 07360010 HC-ENG Scale =.1875"/Ft. R8228- 20464 8-0-0 JB/DF 26167 12/26/07

~ization " ^ ^~o

BUILDING DESIGNER PER ANSI/IPI I SEC.

SPACING

24.0"

JREF-

Top chord 2x4 SP | Bot chord 2x4 SP | Webs 2x4 SP | Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. Calculated horizontal deflection is 0.15" due to live load and 0.23" due to dead load. Haines City, FL 33844
Haines City, FL 33844 381 TYP. Fill in later CASON CONSTRUCTION ALPINE Wave 1-6-0 V 2.5X8(A1) = #2 Dense #2 Dense #3 R=1299 U=119 W=4" **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; AFF FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH PI: OR FABRICATHO. HANDLING, HIPPING, HISTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS HITH APPLICABLE PROVISIONS OF DDS (MATIONAL DESIGN SPEC, BY AFRA) AND PI. THE RCG CONNECTOR PLATES ARE HADE OF 20/16/16GA (M.H/SS/K) ASIA MASS GRADE 40/50 (M.K/M.SS) GALV. STELL, APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS ONLENHISE LOCATED ON THIS DESIGN, POSITION PER BRACHINGS 150A Z. ANY HISPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A TO TIPLI 2002 SEC.3. A SEAL ON THIS DESIGN SHALLS ACCEPTANCE OF PROFESSIONAL ENGINEERS HADE ANY THE PLATES. ACCEPTANCE OF THE STORMS HADE OF THE STORMS HADE. **WARNING** RUSSES REQUIRE CEPTEME CARE IN FABRICATION, IMADILINE, SHIPPING, INSTALLING AND BRACING, RETER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (FRES PLATE INSTITUTE, 218 HORTH LEE STREET, SHITE 312, ALEXANDRIA, VA, ZZ314) AND BICA (MODD TRISS, COUNCIL OF AMERICA, 6300 ETHERPRISE LANE, MADISON, MI 53/19) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE FROM TAKED TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE 1.5X4 w S 3 X 4 ≡ Design Crit: 10-0 3X5 / 20-10-0 * 3X4 // 4 X 5 ≡ AV) TPI-2002 (STD) /FBC Cq/RT=1.00 (1.25) /10 (0) 7 X 6 ≡ 5 X 5 /// -39-8-0 Over 4X10# 2 Supports 5 X 6 ≡ 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 (A) Continuous lateral bracing equally spaced on member 3X6# 15-10-0 7.36.04 4X12 <table-cell-columns> 3 X 4 # CENS 8 X 8 R-2188 U-200 W-4" 18-10-0 Ξ 3 X 5 /// 3 X 4 Ⅲ 07 BC LL BC DL TC DL .5X4 III DUR.FAC TC LL TOT.LD. FL/-/4/-/E/R/- ∞ 8-0-0 0-0-1.5X4 / 40.0 10.0 PSF 20.0 1.25 10.0 PSF 0.0 $2.5 \times 6 \text{ (A1)} =$ PSF PSF PSF 1-6-0 SEQN-DATE REF DRW HCUSR8228 07360011 HC-ENG Scale = .1875"/Ft. R8228- 20465 JB/DF 26186 12/26/07 8-0-0

E

BUILDING DESIGNER PER ANSI/TPI 1 SEC

SPACING

24.0"

JREF-

Bot chord 2x4 SP / Bot chord 2x4 SP / Webs 2x4 SP / In lieu of structural panels use purlins to brace all flat TC @ $24\mbox{\ensuremath{^{\circ}}}\xspace$ 0C. Calculated horizontal deflection is 0.14" due to live load and 0.23" due to dead load. Haines City, FL 33844
Haines City, FL 33844
Haines City, FL 33844 381 TYP. Fill in later CASON CONSTRUCTION ALPINE Wave 1-6-0 V 2.5X8(A1) = #2 Dense #2 Dense #3 R=1298 U=120 W=4" **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE 10 BILLD THE TRUSS IN COMPORMANCE WITH INFO. OR FABREACHING, MANDLING, SHAPPING, HISTALLING & BRACHING OF TRUSSES.

DESIGN CONTROWS HILL APPLICABLE PROVISIONS OF MDS (HATIONAL DESIGN SPEC, BY ALRAY) AND IPP. I'M RCG CONNECTOR PLAIES ARE HADE OF 20/18/166A (M.H/SS/M) ASIM A653 GRADE 40/60 (M. K/M.SS) GALL. SIEEL, APPLY PLAIES TO LACH FACE OF IRMS AND. UNLESS OFICHAIS LOCALD ON THIS DESIGN, POSITION PER BRANTHAS 160A Z. ANY INSPECTION OF PLAIES FOLOHOED BY (I) SHALL BE FER ANKEX AS OF IPPL 2005 SEC. 3. A SEAL ON THIS DRAWLING INDICATES ACCOMPONENT DESIGN SHOWN. THE SULTABLILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE **WARNING** RUSSES REDURE LYREME CART IN FABRICATION, IMADILIDE, SHIPPING, INSTALLING AND BRACING. RETER TO BEST (BULLDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLAIE INSTITUTE, 218 MOBIN LEE SHREI, SUITE 313, ALEXANDRIA, VA, 2231A) AND NICA (MODO TRUSS COUNCIL OT AMERICA, 6300 CHIERPRISE LANE, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING INESE FUNCTIONS. UNICESS OHIGHNISE HAVE TO PERFORMING INESE FUNCTIONS. UNICESS A PROPERTY ATTACHED RIGID CELLING. 1.5X4 5 3X4 ≡ 10-0 Design Crit: 3X5 // 19-0-0 4 X 5 ≡ * 3X4 // H19BV) 6 TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7 X 6 ≡ 5 X 5 👊 -39-8-0 Over 2 Supports 4X10 # $5 \times 6 \equiv$ 3-8-0 3 X 6 # 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. Wind reactions based on MWFRS pressures. (A) Continuous lateral bracing equally spaced on member 5 X 6 **≡** 3 X 4 # 7.36.042 -10-0 SOUBLAS FLA ىب SONAL BASINET 4X12 🦛 3 X 4 **#** No. 66644 R=2188 U=203 W=4' 6 7x8 ➡ 3 X 5 /// $\widehat{\mathbb{E}}$ 3X4 III 17-0-0 1.5X4 III -1-0 BC LL BC DL TC DL TC LL DUR.FAC TOT.LD. FL/-/4/-/E/R/-1.5X4 / 8 Ó 0-0 0 40.0 1.25 10.0 PSF 10.0 PSF 20.0 PSF 0.0 $2.5 \times 6 \text{ (A1)} =$ PSF PSF 1-6-0 V0 REF DATE SEQN-DRW HCUSR8228 07360012 HC-ENG Scale =.1875"/Ft. R8228- 20466 JB/DF 26195 12/26/07 8-0-0

ᄓ

rization " o are

BUILDING DESIGNER PER ANSI/IPI I SEC

SPACING

24.0"

JREF-

TC - Fr IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/ SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT. Deflection meets L/240 live and L/180 total load. Creep factor for dead load is 1.50. SPECIAL LOADS l⊒ Haines City, FL 33844
Haines City, FL 33844

Haines City, FL 33844 p chord 2x6 SP t chord 2x6 SP Webs 2x4 SP From 62 PLF at -1.50 to 67 From 62 PLF at 7.00 to 67 From 62 PLF at 7.00 to 67 From 4 PLF at -1.50 to 7.00 to 381 TYP. (LUMBER Fill in later CASON CONSTRUCTION ALPINE 20 Gauge HS ER DUR.FAC.=1.25 62 PLF at -1.50 62 PLF at 7.00 **1** 6 - 0 zation " n nro 4X8(B3) = #2 :T1 2x4 SP # #3 :W11 2x4 SP \overline{x} =4084 U=558 6 , Wave ** IMPORTANT** "PRIBUISIA A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL HOLD IN EXPONSIBLE TO BE ANY DEVIATOR FROM HIS DESIGNE, ANY ALIENT TO BRILLD HIS BINS IN COPPORANCE WITH PRICE OF AMERICATION, IMMOULIG, SHIPPING, INSTALLING, BEACHER OF HUSSEY.

DESIGN COMMONES HITH APPLICABLE PROPERS OF USSALLING, A BEACHER OF HUSSEY.

DESIGN COMMONES HITH APPLICABLE PROPERS OF USSALLING, A BEACHER OF HUSSEY.

PLATES OF FLATES AND HOLD OF PAPERS OF THE AND HUSSEY.

HATES OF LOCATE OF TRUSS AND, BHEES OFFICHERS ENDOWED ON THE DESIGN, POSITION FER BRANDINGS BOARD HATES OF FLATES COLLOWED BY CITY SHALL BE FIRM ANDERS AS OF THE TOPOS SEC.3.

ANY HISSECTION OF PLATES COLLOWED BY CITY SHALL BE FIRM ANDERS AS OF THE TOPOS SEC.3.

ANY HISSECTION OF PLATES FOLLOWED BY CITY SHALL BE FIRM ANDERS AS OF THE TOPOS SEC.3.

ANY HISSECTION OF PLATES FOLLOWED BY CITY SHALL BE FIRM ANDERS AS OF THE TOPOS SEC.3. **WARNING** TRUSSES REDUIRE EXTREME CARE IN FABRICATION, MANDLING, SMIPPING, INSTALLING AND BRACTING, RETER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 21B MORTH CLE STREIT, SUITE 312, ALFEANDRAI, VA, 27314) AND MICA (MODO TRUSS COUNCIL OF AMERICA. 6300 ENTERGRANDES (LAME, MADISON, MI 55719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THISE TUNCTIONS. UNLESS OTHERSTS (LAME, MADISON, MI 55719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THISE TUNCTIONS. UNLESS OTHERSTS, MOTORALED FOR CHARD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE DRAWING INDICATES ACCEPTANCE OF PROF DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI 1 SEC. 1.5X4 🥒 / PLATE DUR.FAC.=1.25)
to 62 PLF at 7.00
to 62 PLF at 39.67
to 4 PLF at -0.00
to 20 PLF at 39.67
7.06, 9.06, 11.06, 13.
25.06, 27.06, 29.06, 31 0-0-0 #2 Dense: BUILDING DESIGNER AND 12 ₩=4 " 11.06, 29.06, Dense 3 X 4 ≡ 8X10 =13.06, 31.06, 11.06, 13.06, 29.06, 31.06, Design Crit: 5×5 ≡ 15.06, 33.06, H7B) 17.06 35.06 15.06 33.06 increase 3×9 == TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) 3 X 4 ≡ 39-8-0 5 X 6 == 0ver 1.5X4 W 4 X 8 ≡ N Supports Nailing Schedule: (
Top Chord: 1 Row (
Bot Chord: 1 Row (
Webs : 1 Row (In lieu of structural panels use purlins to brace all flat TC $24\,\text{\ensuremath{^{\prime\prime}}}\ 0\text{\ensuremath{C}}.$ 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 Dt=5.0 psf. Iw=1.00 GCpi(+/-)=0.18 Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting. Right end vertical not exposed to wind pressure Wind reactions based on MWFRS pressures 32-8 COMPLETE HS412 ≡ 7.36. 0 OO ICENS 3 X 4 ≡ 5 X 5 == No. 66646 RUSSES 4 X 5 ≡ Е 07 REQUIRED 5 X 5 == 5 X 8 **≡** SPACING DUR.FAC. ВС TC C TOT.LD. FL/-/4/-2 2 40.0 /E/R/-R=4365 U=606 20.0 24.0" 1.25 10.0 PSF 10.0 PSF 0.0 5 X 8 **≡** PSF 3X4 III PSF PSF DATE REF JREF -SEQN-DRW HCUSR8228 07360035 HC-ENG Scal Œ R8228-1TDH8228Z02 =.1875"/ft JB/DF 26225 12/26/07 20467

Top chord 2x4 SP / Bot chord 2x4 SP / Webs 2x4 SP / In lieu of structural panels use purlins to brace all flat TC @ $24\ensuremath{\text{"}}\xspace$ $0\ensuremath{\text{C}}\xspace$. (A) Continuous lateral bracing equally spaced on member (7 381 Fill in later CASON CONSTRUCTION Haines City, FL 33844
The control of Americation # 0 270 TYP. ALPINE Wave 1-6-0 V0 3X8(B1) = #2 Dense #2 Dense #3 R-1742 U-168 W-4" **WARNING** IRBISES REQUIRE CENTERE CARE IN FARRICATION, IMADILIA, SHIPPING, HESTALLING AND BRACING, REFER TO BEST IN GUILDING COMPONENT SAFTY INFORMATION), POMLISHED BY TEL (TRUSS PLATE INSTITUTE, ZIB MREH LEE STREET, SUITE 317, ALEXANDRIA, VA, ZZ314) AND WICA (MOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERFRES LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HUSS FUNCTIONS. UNLESS OTHERNISCHAFTED TO TROBE SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL HAVE PHATES TO TACH FACE OF TRUSS AND, UNITIES OFFICIALISE LOCATED ON THIS DESIGN, POSITION PER DRAHINGS 160A Z. ANY HASPECTION OF PLATES FOLLOWED BY (1) SHALLED FER ANNEX AS OF THIS TOOZ SEC.3.

DRAHING HODALTES ACCEPTANCE OF PROTESSIONAL FINAL FEB INCESSONISTBILLITY SOCIETY FOR THE RRISS COMPONENT DESIGN SHOWN. THE SUITABILLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILLITY OF THE **IMPORTANT** THREES A COPY OF THIS DISSIBLED THE INSTALLATION CONTRACTOR. THE BCC. HIC. SHALL NOT BIT RESPONSIBLE THREE AND CHYLATION FROM HIS DISSIDE, ANY FALLING TO BUILD HIC RUSS IN CONTRIBUTION FROM HIS DISSIDE, ANY FALLING TO BUILD HIC RUSS IN CONTRIBUTION. HIS DISSIDE, ANY FALLING TO BUILD HIC RUSS IN CONTRIBUTION. HIS DISSIDE AND STATE OF THE BCC. HIS DISSIDED AND THE RUSS IN CONTRIBUTION OF THIS DISSIDE AND STATE OF THE BCC. HIS DISSIDE AND THE BCC. HIS DISSIDE AND THE BCC. HIS DISSIDED AND THE BCC. HIS DISSIDED AND THE BCC. WHILE OF THE BCC. AND THE BCC. HIS DISSIDED AND TH 1.5X4 🥢 17-0-0 Design Crit: 3 X 4 ≡ 3 X 5 🕼 3X4 # H17B) TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 39-8-0 3×6 = 5 X 5 💻 4 X 8 ≡ 0ver 2 -8-0 Supports 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 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 7.36.04 5 X 8 **≡** 3 X 4 ≡ SOUCENSE 3 X 6 ≡ STONAL ENGINEE No. 66648 3 3 X 5 ≡ 3X5 /// 15 - 0 - 03 X 4 /// 5 X 5 **≡** 07 BC DL TC DL DUR.FAC. TC LL TOT.LD. FL/-/4/-/E/R/-6 R=1625 U=150 1.25 40.0 PSF 10.0 PSF 10.0 PSF 20.0 PSF 0.0 PSF 3X8 🚚 2X4 III DATE REF SEQN-HC-ENG DRW HCUSR8228 07360027 Scale =.1875"/Ft. R8228- 20468 JB/DF 26202 12/26/07

--ization # ^ ¬¬¬o

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

SPACING

24.0"

JREF-

Top chord 2x4 SP | Bot chord 2x4 SP | Webs 2x4 SP | In lieu of structural panels use purlins to brace all flat TC $24\mbox{\ensuremath{^{\prime\prime}}}\ 0C.$ PLT (A) Continuous lateral bracing equally spaced on member. (7 381 Fill in later CASON CONSTRUCTION TYP. Wave 1-6-0 $3 \times 8 (B1) =$ #2 Dense #2 Dense #3 R=1742 U=172 W=4" 6 **WARNING** HRUSSES BEQUIRE CEREME CARE IN FARRICATION, IMADI NA. SHIPPING, INSTALLING AND BRACHIG. REFER TO BEST (BULLDING COMPONENT SAFETY LIMPRATION) PRILISHED BY FIT (TRUSS PLATE INSTITUTE, ZIB MORTH LIE STREE, SUITE 312, ALEXANDRIA, VA. ZZZIA) AND MICA (MODD TRUSS COUNCEL OF AMERICA, 6300 CHICENESE LAME, MAISON, MI 53/19) FOR SAFETY PRACTICES PRIOR TO PEFFORMHIG THESE FUNCTIONS. JUNESS OFFICEMENTS THORSE FUNCTIONS. JUNESS OFFICEMENTS THOSE TOWN THAT HAVE SAND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE 9-0-0 1.5X4 🦛 Design Crit: 3 X 4 ≡ 5 X 8 **≡** * H9B) TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) $4 \times 6 =$ -39-8-0 Over 2 Supports 3 X 5 **≡** 3 X 4 ≡ 2 Right end vertical not exposed to wind pressure. 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC Dl=5.0 psf, Iw=1.00 GCpi(+/-)=0.18 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. Wind reactions based on MWFRS pressures. 7.36. 3 X 6 ≡ 1.5X4 Ⅲ 30-8-0 4 X 8 ≡ SOUCENS 3 X 5 ≡ B QTY:1 4 X 4 ≡ 4 X 8 ≡ TC LL FL/-/4/-/E/R/-20.0 PSF R=1625 U=174 3 X 9 ≡ 2X4 III REF Scale = .1875"/Ft. R8228-20469

围

"Zation " o and

BUILDING DESIGNER PER ANSI/IPI 1 SEC.

DESIGN SHOWN. THE

ACCEPTANCE OF PROFESSIONAL HE SUITABILITY AND USE OF T

THIS COMPONENT FOR

SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE

ALPINE

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE NGG, INC. SHALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMFORMANCE HITH FD; OR FABRETATHOG, HANDLING, SHAPPING, HISFALLING & BRACKING OF TRUSSES.

DESIGN COMFORMS HITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFAPA) AND IP!.

DESIGN COMFORMS HITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFAPA) AND IP!.

DESIGN COMFORMS HITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFAPA) AND IP!.

THE SECOND FAILS ARE HANDE OF ZO/IB)/IGGA (H.H/SS/K) ASTH AGS) GRADE 40/160 (H.K/H.SS) GALV. SITEEL, APPLY PLATES TO EACH FACE OF IRMSS, AND. UNLESS OTHERWISE (CACADE ON THIS DESIGN, POSITION PER DRAMHORS INGA Z

PLATES TO EACH FACE OF TRUSS, AND. UNLESS OTHERWISE (CACADE ON THIS DESIGN, POSITION PER DRAMHORS INGA Z

PLATES TO EACH FACE OF TRUSS, AND. UNLESS OTHERWISE (CACADE ON THIS DESIGN, POSITION PER DRAMHORS INGA Z

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PLR ANNÉX A 3 OF IP!1 2002 SEC. 3.

A SEAL ON THIS

No. 66648

BC DL TC DL

10.0 PSF 10.0 PSF

DRW HCUSR8228 07360028

DATE

12/26/07

ВС

0.0

HC-ENG

JB/DF 26246

CORIOR

07

DUR.FAC.

TOT.LD.

40.0 1.25

PSF PSF

SEQN-

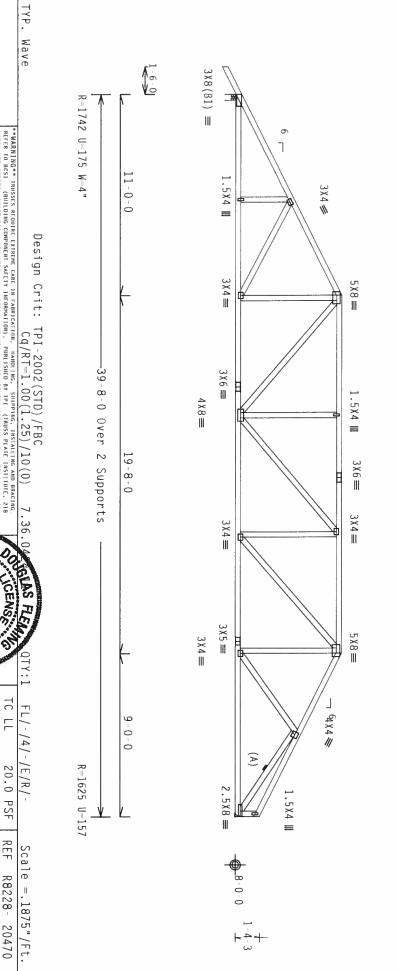
SPACING

24.0"

JRFF-

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP In lieu of structural panels use purlins to brace all flat TC @ $24\ensuremath{\text{"}}\xspace$ (A) Continuous lateral bracing equally spaced on member. 381 Fill in later CASON CONSTRUCTION #2 Dense #2 Dense #3 * H11B) Wind reactions based on MWFRS pressures 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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



۱

Haines City, FL 33844
Haines City, FL 33844

DRAWING INDICATES ACCEPTANCE OF PROF DESIGN SHOWN. THE SUITABILLITY AND BUILDING DESIGNER PER ANSI/TPI I SEC

PIATES TO EACH FACE OF TRUSS AND UNICES OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2 PIATES TO EACH FACE OF THIS SOURCE FOR THE REPORT OF THE TOTAL OF THE TRUSS COPPOSED IN DRAWING HID LAKE A COCCEPTANCE OF PROFESSIONAL EMPLOYERS HERE ASCEPTANCE OF PROFESSIONAL EMPLOYERS HERE ASCEPTANCE OF THE TRUSS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

STONAL ENGREE

BC DL TC DL 10 LL

10.0

DRW HCUSR8228 07360029

JB/DF 26253

10.0 PSF 20.0 PSF

DATE REF

12/26/07

ВС

0.0

40.0

PSF PSF PSF

SEQN-HC-ENG

1.25

07

SPACING DUR.FAC. TOT.LD.

24.0"

JREF-

1TDH8228Z02

IMPORTANT "publish a copy of this DESIGN to the Installation contractor, the bcg, lic, shall not the responsible for any deviation than his design, and falling to behind the russ strong the thin its contained a bracing of trusses. He russ in componence thin its contained a bracing of trusses. He russ in componence thin beston contained which a precional provider the contained bestone specific contained and the russ (all provider and the russ). The bcg contained and the russ are those of tables and the russ (all provider and the russ) and the russ (all provider and the russ).

WARNING TRUSSES BEQUIRE CYPREME CARE IN FARRICATION, IMADIEM, SHIPPING, INSTALLING AND BRACING, REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PRULISHED BY THE (TRUSS PLATE INSTITUTE, 218 HORTH LEE SIRETI, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (MOOD TRUSS COUNCIL OF AMERICA, 6300 ENHIBPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORMING THESE FUNCTIONS. UNLESS OTHERWISE HOUSEAFTON FOR SAFETY PRACTICES PRIOR TO PEFFORMING THESE FUNCTIONS. UNLESS A PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

7.36

FL/-/4/-

/E/R/-

Scale =.1875"/Ft.

R8228- 20470

CENSE Vo. 66648

ALPINE

TYP. Wave

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP In lieu of structural panels use purlins to brace all flat TC @ $24\mbox{\ensuremath{^{\circ}}}\xspace$ 0C. PLT ITW Building Components Group, Inc.
Haines City, FL 33844
Fi Cate of Autorization 40 770 (7 381 Fill in later CASON CONSTRUCTION TYP. ALPINE Wave 1-6-0 V0 3X8(B1) ≡ #2 Dense #2 Dense #3 R=1742 U=173 W=4" **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRISSS IN COMPORMANCE WITH IP: OR FABRICATING, MANDING, SHIPPING, HISTALLING A BRACHEGO TRUSSES, BY ARRAY AND TPI.

DESIGN CONFIDENCE AND PROPERSON OF THIS DESIGN SPEC, BY ARRAY AND TPI.

DESIGN CONFIDENCE AND THE APPLICABLE PROPUSIONS OF 1005 (MATIONAL DESIGN SPEC, BY ARRAY AND TPI.

DESIGN CONFIDENCE AND THE APPLICABLE AND THE ARRAY OF THE ARRAY AND THE A DRAWING INDICATES ACCEPTANCE OF PROF DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI I SEC. **WARNING** TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, RETER TO BEST (BUILDING CHMPORENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, ZIB UNDITH LEE SIRET, SUITE IZZ. ALEXANDRIA, NA, AZZIA) AND HIVATA (MODD TRUSS COUNCIL OF MARGICA, 6300 CHIEDRRISE LANE, HADISON, HI SZYIB) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE TUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED BY CHORD SHALL HAVE A PROPERLY ATTACHED BY CHORD SHALL HAVE 6 THE SUITABLLITY AND USE OF THIS COMPONENT 13-0-0 1.5X4 III 3X4 / 3X5 / Design Crit: H13B) 3 X 4 ≡ 5 X 8 **≡** TPI-2002 (STD) /FBC Cq/RT=1.00(1.25) /10(0) -39 3 X 6 ≡ ά 0 0ver 2 Supports 1.5X415-8-0 4 X 8 ≡ Wind reactions based on MWFRS pressures 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 7.36 GOUGUAS FLA CENSE No. 66648 5 X 8 ≡ 3 X 4 **=** REMER 3 X 5 ≡ 07 1 ⁶3X4€ DUR.FAC. ВС BC DL TC DL TC LL 11-0-0 TOT.LD. 5 X 5 **≡** FL/-/4/-/E/R/ 40.0 10.0 20.0 R=1625 U=155 1.25 10.0 PSF 0.0 PSF PSF PSF PSF 2 \(4 3X8 🕼 SEQN-DATE REF HC-ENG DRW HCUSR8228 07360030 Scale =.1875"/Ft. R8228-JB/DF 26261 12/26/07 20471

BUILDING IS THE RESPONSIBILITY OF

SPACING

24.0"

JREF-

Top Bot In lieu of structural panels use purlins to brace all flat TC $24\ensuremath{^{\prime\prime}}\xspace$ 0C. PLT (A) Continuous lateral bracing equally spaced on member (7 381 Fill in later CASON CONSTRUCTION chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3 TYP. ALPINE Wave 1-6-0 V $3 \times 8 (81) =$ R=1742 U=171 W=4" **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, FAILURE TO BUILD THE TRUSS IN CONTORNANCE, WITH THIS OF FARMETCHING. HANDLING, SHEPPIDE, THIS FALLURG A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HIDS (MATIONAL DESIGN SPEC, BY ATAPA) AND THI. ITM BCG CONNECTOR PLATES AND THE STATE OF THE STATE O DESIGN SHOWN. I 9 ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPO 5 1.5X4 III 3X4 # -0-0 Design Crit: 3×5 * H15B) \mathcal{E} TPI-2002 (STD) /FBC Cq/RT=1.00 (1.25) /10 (0) 3 X 4 ≡ e 5 X 8 = 39-8-0 3 X 6 ≡ SOLELY FOR THE TRUSS COMPONENT G IS THE RESPONSIBILITY OF THE 0ver 2 Supports 1.5X4 III 11 - 8 - 04 X 8 = 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 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 7.36.04 GOSGUAS FL 5X8≡ 3 X 4 **≡** CENSE No. 66648 3 X 5 ≡ 6 07 3 X 4 // 13-0-0 5 X 5 = BC DL TC DL DUR.FAC. TC LL TOT.LD. FL/-/4/-/E/R/ R=1625 U=152 1.25 40.0 PSF 10.0 PSF 10.0 PSF 20.0 PSF 0.0 PSF 3 X 8 🚚 2×4 ||| DATE REF SEQN-DRW HCUSR8228 07360031 HC-ENG Scale =.1875"/Ft. R8228-JB/DF 26267 12/26/07 20472

Tization " O 770

BUILDING DESIGNER PER ANSI/IPI I SEC.

SPACING

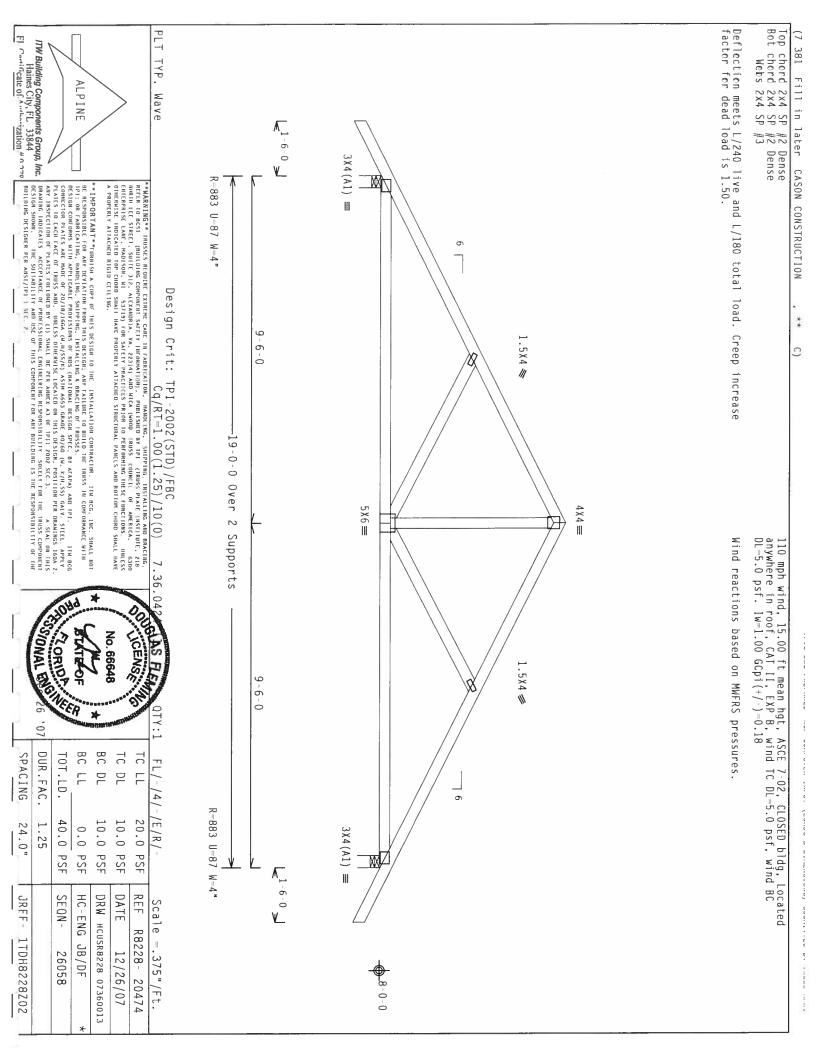
24.0"

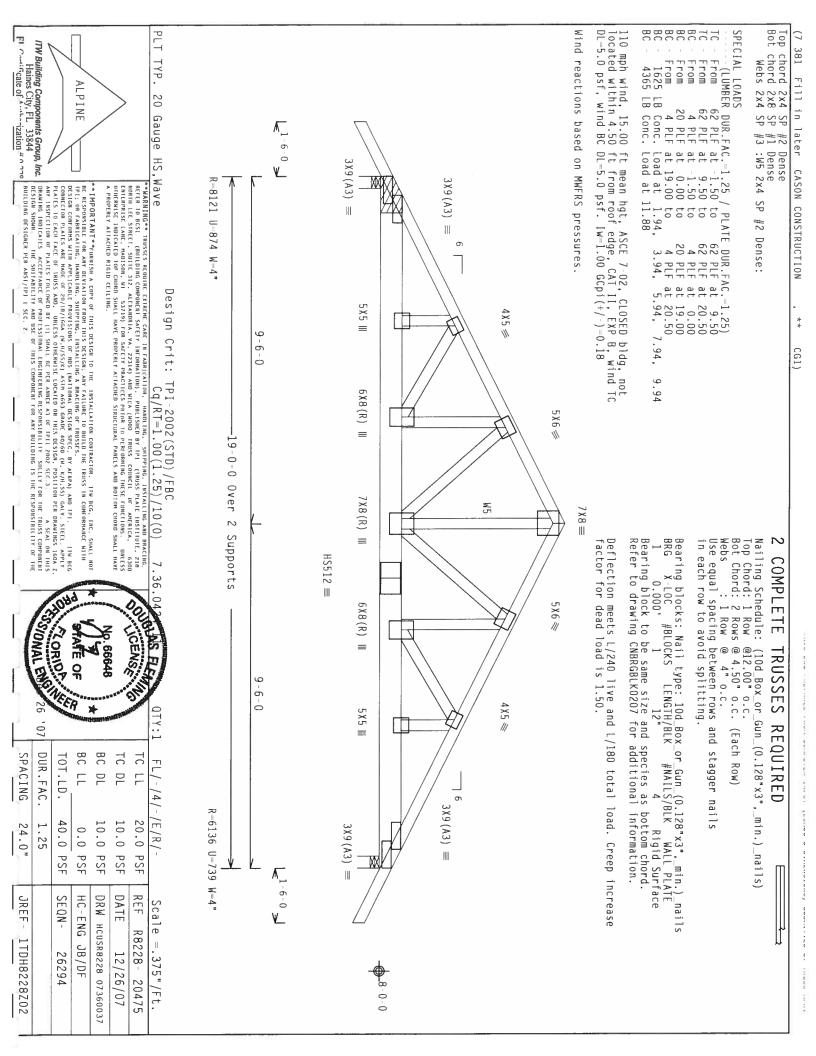
JRFF

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2
:Stack Chord SC2 2x4 SP #2 Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6. supporting shear walls. Shear walls lateral restraint to the gable end. Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched. Note: designed by the building designer. The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous (7 381 Fill in later CASON CONSTRUCTION E Haines City, FL 33844
Haines City, FL 33844

Haines City, FL 33846 TYP. All Plates Are 1.5X4 Except As Shown. SC1 ALPINE Wave **L** 1 - 6 - 0 2X4(C5) =6-0 (NNL) $2.5 \times 6 (C5) =$ #2 Dense: #2 Dense: R = 1096-0 DRAWING INDICATES ACCEPTANCE OF PROFESS DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/IPI I SEC. 2. **IMPORTANT**GURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, THC. SHALL NOT BELL RESPONSIBLE FOR ANY DEVIATION FROM HITS DESIGN, ANY FAILURE TO BRILD THE TRUSS IN COMPORNANCE WITH FOLLOR FABRICATING, DANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AFAPA) AND TPI DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AFAPA) AND TPI LINE BCG CONNECTION PLATES ARE HADE OF 20/18/16/64 (M.H./SS/K), ASTH A653 GRADE 40/60 (M.K./H.SS) GALV. STEEL, APPLY PHAITS 10 EASH FACE OF TRUSS AND. UNLESS OHERWISL LOCALED ON HITLS RESIDE, POSITION PER DRAWINGS 160A Z. ANY IMPRECION OF TRAITS FOLLOWED BY (1) SMAIL BE FOR ANNEX AN OF TRIZ SESSEE, POSITION FOR A SEA, ON FILES DRAWING HODICALES ACCEPTANCE OF PROFESSIONAL ENGLHERING RESPONSIBILITY SOLECY FOR THE TRUSS COMPONENT **MARNING** RUSSIS REGUIRE EXTREME CARE IN FABRICATION, MANDELING, SMIPPING, INSTALLING AND BRACING, RETER TO BEST (BULLDING COMPONIENT SAFETY INFORMATION), PUBLISHED BY PET (TRUSS PLAIE INSTITULE, ZIB MORTH LEE STREET, SUITE 31Z, ALEXANDRIA, VA, ZEZIJA AND BICA (MODO) TRUSS COUNCEL O' AMERICA, 6300 ENTERPRESE (ANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PREFORMING THESE FUNCTIONS. UNLESS OTHERWISE INSTALLED FOR MODOD SHALL MAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL MAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL MAVE PLF 3X4 / 8 All connections to be PLF W=18 Design Crit: ω 9-6-0 CGE) THIS COMPONENT TPI=2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) 6 BUILDING IS THE RESPONSIBILITY OF 19 0-0-0 Over 15 4 X 4 ≡ 2 Supports 0 3 X 4 ≡ d 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 $\mbox{L}/240$ live and $\mbox{L}/180$ total load. Creep increase factor for dead load is 1.50. See DWGS A11015EE0207 & GBLLETIN0207 for more requirements In lieu of structural panels use purlins to brace TC @ 24" OC 7.36. CENSE 6 9 - 6 - 007 BC DL TC DL DUR.FAC. TC LL SPACING TOT.LD. FL/-/4/-3 X 4 // /E/R/-207 1.25 40.0 PSF 10.0 PSF 10.0 PSF 20.0 24.0" 0.0 $2X4(C6) \equiv$ 6-0(NNL 4X6 =SC2 W=4" 3-6-0 PSF PSF **L**1-6-0 SEQN-REF JRFF-DATE HC-ENG DRW HCUSR8228 07360036 Scale =.375"/ft. R8228-1TDH8228Z02 JB/DF 26053 12/26/07 8-0-0 20473





Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #
:Stack Chord SC2 2x4 SP # 381 Fill in later CASON CONSTRUCTION Dense Dense #2 Dense: DGE) Wind reactions based on MWFRS pressures. 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 1-0-outlookers. Cladding load shall not exceed 10.00 must not be cut or notched. -0 top chord PSF. Top chord

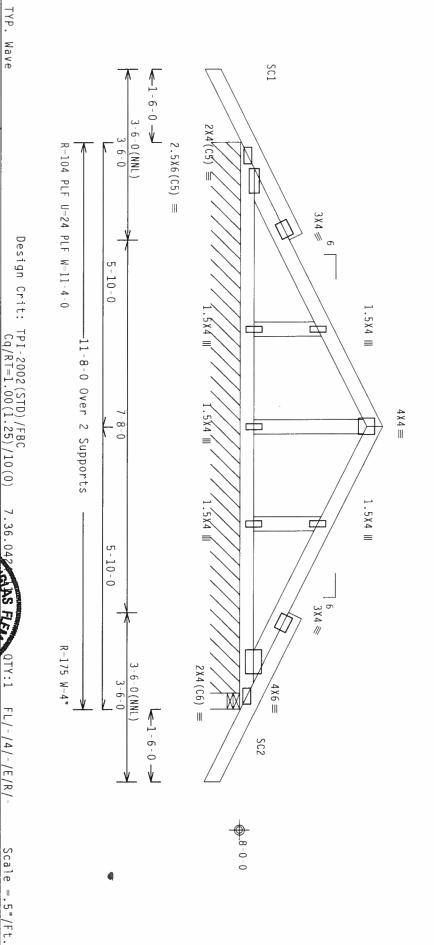
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

See DWGS All015EE0207 & GBLLETIN0207 for more requirements

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

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

supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer. The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous



WARNING TRUSSES REQUIRE CXIRCHE CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, RECER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (1805S PLATE INSTITUTE, 218 URBT INT. 218 ALEXANDRAL, VA, 22134) AND HEA, (MOOD TRUSS COUNCIL OF AMERICA, 6300 ENHERPHSE LINE, MADISON, HI 55719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERHISE HOLDSLATED FOR COMBO SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED REGION OF THE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN. ANY TAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH IP: OR FARRECKING, NAMELING, SHEPTHER, INSTALLING A BRACING OF TRUSSES. BY AFRYA AND PET. DIVERSION CONTROL ON THE PET. ANY THE PET. ON THE P

Haines City, FL 3844
F) Consider of Auto-ization 40 000

BUILDING DESIGNER PER ANSI/TPI 1 SEC.

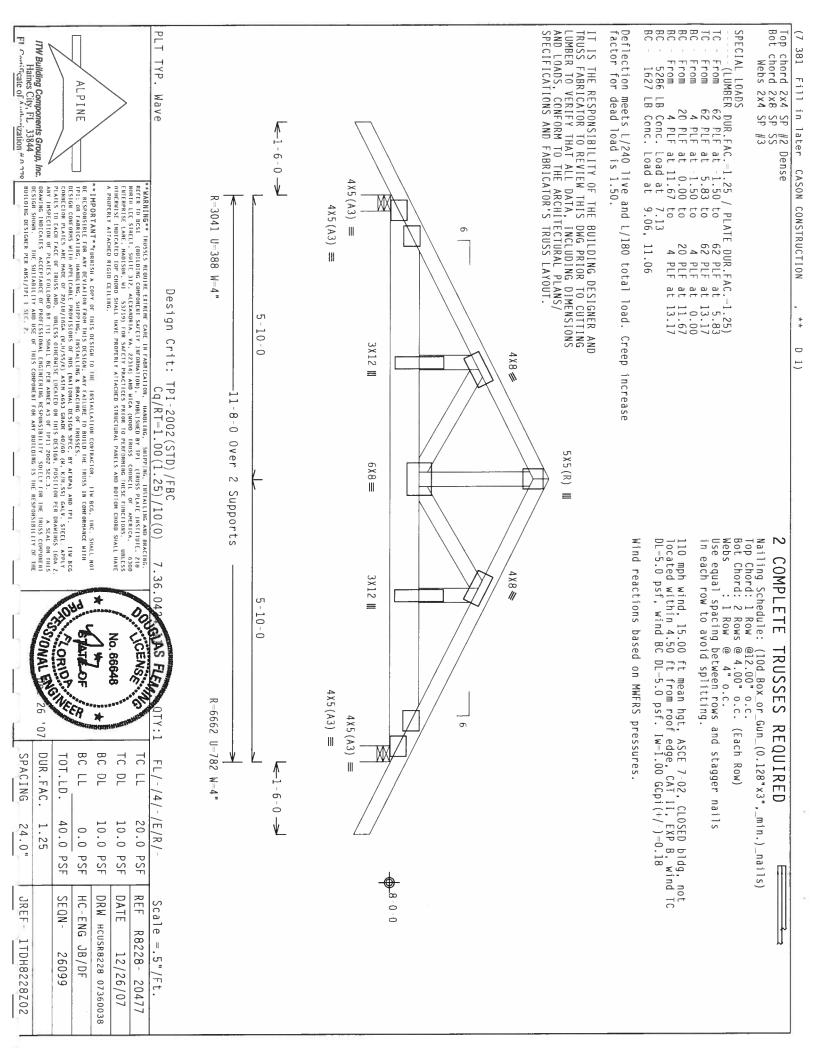
DRAWING INDICATES AND DESIGN SHOWN. THE

ALP INE

Wave

DZ SEC.3. A SEAL OH THIS SOLELY FOR THE TRUSS COMPONENT HE IS THE RESPONSIBILITY OF THE GOUGLAS FLE STONAL BUG CORIO 707 DUR.FAC. BC DL TC ВС IC LL SPACING TOT.LD. P 40.0 10.0 10.0 20.0 24.0" 1.25 0.0 PSF PSF PSF PSF SEQN-REF JRFF-HC-ENG DRW HCUSR8228 07360040 R8228-1TDH8228Z02 JB/DF 26062 12/26/07 20476

FL/-/4/-



Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is $1.50\,.$ Haines City, FL 33844
Fi Constraint of Authorization # 0 770 381 Fill in later CASON CONSTRUCTION TYP. Wave ALPINE **★**1-6-0-> #2 Dense #2 Dense #3 $2X4^{i}(A1) =$ **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 BHILD THE BUSS IN COMPORNANCE WITH IP!: OR FARBLECHING, HOLD, SHIPPIDG, HUSALLING, A BRACING OF THUSSES,

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY ATAPA) AND TP!. ITH BCG
CONNECTOR PLATES ARE MADE OF ZO/IB/16GA (H.H/SS/K). ASTH AGS3 GRADE 40/60 (H. KIH.SS) GALV. SITEL, APPLY
PLATES TO EACH TACE OF HUSSA NID. MUESS ON THEMSE COCATED ON THIS DESIGN, POSITION PER DRAWHINGS 160A Z.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SMALL BE PER ANNEX AS OF TP!1 2002 SEC. 3. A SEAL ON THIS DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL INGINIERING RESPONSIBILITY DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONINT FOR ANY BUILD BUILDING DESIGNER PER ANSI/TFT I SEC. 2. **WARNING** IRRISSES REQUIRE EXTREME CARE IN FARRECATION, JANUALING, SHIPPING, INSTALLING AND BRACING, RETER TO BEST. (BUILDING COMPONENT SAFETY HEROMALDING). BY FIT (IRRISS PLATE INSTITUTE, 718 HORST LES STREET, SUITE 312, ALEXANDRIA, VA. 72314) AND HEA (MODD. TRUSS COUNCIL OF AMERICA. 6300 ERHERPESE LAME, MADISON, H. 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERMISE HOLD CALIFOLD HOR COMPONS MAIL HAVE PROPERLY ATTACHED STRUCTURAL PAWILLS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHD CELLING. MD R=594 U=61 W=3.5" 6 Design Crit: * σ - 0 - 0 TPI-2002 (STD) /FBC Cq/RT=1.00(1.25) /10(0) 12-0-0 0ver SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE 1.5X4 ||| 4 X 4 ≡ 2 Supports Ф 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. 7.36. COSTONAL ENGINEE 6 6-0-0 CENS No. 66648 * R=594 U=61 W=3.5" 07 2X4 (A¹1) BC LL BC DL IC LL DUR.FAC. TC DL SPACING TOT.LD. FL/-/4/-/E/R/-1-6-0 10.0 24.0" 1.25 40.0 PSF 10.0 PSF 20.0 PSF 0.0 PSF PSF DATE REF JREF-SEON-HC-ENG DRW HCUSR8228 07360014 Scale =.5"/Ft. R8228- 20478 1TDH8228Z02 JB/DF 26018 12/26/07

Top chord 2x4 SP / Bot chord 2x4 SP / Webs 2x4 SP / Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is $1.50\,.$ PLT TYP. (7-381--Fill in later CASON CONSTRUCTION ITW Building Components Group, Inc.
Haines City, FL 33844
Fi Cate of Autorization 4 0 770 ALPINE Wave 2X4'(A1) =R=486 #2 Dense #2 Dense #3 U=40 W=3.5" **IMPORTANT***URBISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE TOR ANY DEVIATION FROM THIS DESIGN, ANY TALLURE TO BUILD THE BRUSS IN COMPORMANCE WITH FIT; OR LARRICATHAG. HAND LING, SHEPPIG. HISTALLING A BRACHIGO OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF DDS (HATDONAL DESIGN SPEC, BY AFAPA) AND FPI. THE BCG CONNECTOR PLATES ARE HADE OF 20/10/1/166A (H.H/SSS/N) ASTH AGES GRADE 40/60 (H. K/H/SS) AGAV. SHELL APPLY PLATES TO EACH TACE OF TRUSS AND, DHEESS ONTERNISE LOCALED ON THIS DESIGN, POSITION PER DRAWHINGS 166A. Z. ANY INSPECTION OF FLATES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF THIS 200E Y FOR THE TRUSS COMPONENT DESIGN SHOULD BE SHALL SHOWN.

DESIGN SHOWN. IT SHE SHITABILITY AND MSE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE ***MARNING** TRUSSES REQUIRE CENTEME CARE IN FARRICATION, IMABILIAE, SHIPPING, INSTALLING AND BRACING, RETER TO RCS1 (DUILDING COMPONENT SAFETY INFORMATION), POR MELISHED BY TRI (TRUSS FAIT INSTITUTE, 218 MORTH LEE STREET, SUITE 317, ALEXANDRIA, VA, Z2314) AND AFGA (MOOD TRUSS COUNCIL OF AMERICA, 6300 ERITERPRISE LAME, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE (INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE 6 6-0-0 Design Crit: * 12-0-0 E1) Over 2 Supports TPI-2002 (STD) /FBC Cq/RT=1.00(1.25) /10(0) 1.5X4 III 4 X 4 == 45 6 110 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 9 0-0 7.36.04 OSIONAL ENGINEER No. 66648 R=602 U=62 W=3.5" 2X4(A1) = \mathbb{M} * 1-6-0 → 107 TC DL DUR.FAC. BC DL ВС TC TOT.LD. FL/-/4/-/E/R/- \sqsubseteq 1.25 40.0 10.0 10.0 PSF 20.0 PSF 0.0 PSF PSF PSF JREF-DATE SEQN-DRW HCUSR8228 07360015 REF HC-ENG Scale = .5"/Ft. R8228 20479 1TDH8228Z02 JB/DF 26022 12/26/07

BUILDING DESIGNER PER ANSI/IPI I SEC

SPACING

24.0"

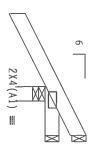
7-381--Fill in later CASON CONSTRUCTION * * CJ1)

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

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

Wind reactions based on MWFRS pressures



R---15 U-14 R = -56U=42 0 10



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

TYP. Wave

WARNING IRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, RETER TO BESSI. (BUILDING CHAPPORENT SAFETY INFORMATION), PUBLISHED BY IPI (IRUSS PLATE INSTITUTE, 218 HORST LET SIRET, SUITE 127, ALEXANDRIA, VA, AZJAJA AND HICA (MODD IRUSS EQUINCIL OF AMERICA. 6300 ENTERPRISE LANE, MADISON, HI 53/19) FOR SAFETY PRACTICES PRIOR TO PERFORMING HICSE FUNCTIONS, UNLESS OTHERHISE INDICATED INFORMED SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

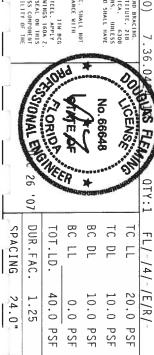
IMPORTANTCURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN COMPONMANCE WITH TP: OR FARBEACHIE. HANDLIGE, SHAPPING, HYSALLING A BRACHEN OF TRUSSES.

DESIGN COMPONES WITH APPLICABLE PROVISIONS OF HOS (UNITIONAL DESIGN SPEC, BY AFRAYA AND TP: THE REG CONNECTOR PLATES ARE HADE OF 20/18/166A (M.H/SS/K) ASIH A653 GRADE 40/60 (M.K/M.SS) GALV. STELL APPLY PLATES TO LACH FACE OF TRUSS AND. UNLESS OTHERWISE UCCATED ON THIS DESIGN. POSITION PER DRAWHIGS 160A Z. ANY HISPECTION OF PLATES FOLLANDED BY (1) SHALL BE PER ANREX AS OF TPIJ 2002 SEC.3. A SEAL ON THIS DRAWHIGS MOTORITES COMPONENT SHOULD BE SIGNAMED AND THE SHIFT AND USE OF THE SOON SHELL IN SOLICY FOR HIE TRUSS COMPONENT DESIGN SHOWN. THE SHIFTAND USE OF THE SOON SHELL IN SOLICY FOR HIE TRUSS COMPONENT DESIGN SHOWN.

BUILDING DESIGNER PER ANSI/IPI 1 SEC. 2.

ization " ^ ¬¬o

ALPINE



REF DATE

R8228- 20480

12/21/07

Scale =.5"/Ft.

JRFF-

1TDH8778Z02

SEQN-HC-ENG

DRW HCUSR8228 07355002

HM/AP 21741

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18 Hipjack supports 5:0-0 setback jacks with no webs. Wind reactions based on MWFRS pressures. Top chord 2x4 SP Bot chord 2x4 SP ITW Building Components Group, Inc.
Haines City, FL 33844
FI Continued of Authorization # 0 779 (7-381 Fill in later CASON CONSTRUCTION TYP. ALPINE Wave #2 Dense ***IMPORTANT***UBBLISH A COPY OF THIS DISTON TO THE INSTALLATION CONTRACTOR. THE RUSS IN COMBENACE HILL BOT BE RESPONSIBLE TORS ANY DEVIATION FROM THIS DISTON AS BRACING TO BRILLDE TO BRILLD BE RUSS IN COMBENACE HILL BY: OR FABRICATING, HANDLING, SHIPPING, HESTALLING A BRACING TRUSSES, AND FILE DISTON CONTROLS AND THE APPLY AND FILE APPLY DISTON CONTROLS ARE HADE OF 20/18/16GA (H-M/SS/A) ASTH ASS GRADE 40/60 (H, K/M.SS) GALV. SIEEL APPLY LATES TO EACH FACE OF TRUSS AND, BRILLS OHERNISE LOCATED ON HIS DISTON FEATURE BRAWHOS 16GA Z. ANY HIS CONTROLS ON FLATES OF CLOUDED BY (1) SHALL BE FER ABRICA AND THIS DISTON SECTION FOR BRAWHOS 16GA Z. ANY HIS CONTROLS SECTION FOR BRAWHOS 16GA Z. ANY HIS CONTROLS SECTION FOR BRAWHOS 16GA Z. ANY HIS CONTROLS SECTION FEATURE AND THE PROCESSES. **#ARNING** IRUSSES REQUIRE CITERE CARE IN FARRICATION, JANULING, SHIPPING, INSTALLING AND BRACING, REFER TO BEST (BUILDING COMPONER'S SAFLY HURBERATION), PUBLISHED BY FFI (IRUSS PLATE LESTIDUE, 21B HORRI LEE SIREE, SUITE 312, ALEXANDRIA, VA, 22314) AND HICA (MODD TRUSS COUNCEL O MERICA, 6300 ENTERPRISE FAME, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HIESE FUNCTIONS. UNLESS OTHERWISE HURLEACHED DE FLORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE DRAWING INDICATES ACCEPTANCE OF PROF DESIGN SHOWN. THE SUITABILLITY AND BUILDING DESIGNER PER ANSI/TPI I SEC. SUTTABILITY AND USE OF THIS COMPONENT FOR Design Crit: $2X^{1}4(A1) \equiv$ M R = 4104.24 U=178 W=4.95" TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7-0-14 Over SOLELY FOR THE TRUSS COMPONENT OG IS THE RESPONSIBILITY OF THE 3 Supports Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. SPECIAL LOADS From 61 PLF at -2.12 t From 4 PLF at -2.12 t From 20 PLF at 0.00 t -111 LB Conc. Load at 1 124 LB Conc. Load at 1 -31 LB Conc. Load at 1 48 LB Conc. Load at 1 7.36. LUMBER DUR.FAC.=1.25 SOUCENSE 61 PLF at 2.12 to 4 PLF at 2.12 to 20 PLF at 0.00 to io. 66648 R=101 R-231 U-76 26 / PLATE DUR.FAC.-1.25)
to 61 PLF at 7.07
to 4 PLF at 0.00
to 20 PLF at 7.07 1.48 4.31 1.48 4.31 07 DUR.FAC. BC LL BC DL TC DL SPACING TC LL TOT.LD. FL/-/4/-/E/R/-40.0 10.0 20.0 10.0 PSF 24.0" 1.25 0.0 PSF PSF PSF PSF DATE JREF-SEQN-REF HC-ENG DRW HCUSR8228 07360034 Scale =.5"/Ft. R8228 - 20481 1TDH8228Z02 JB/DF 9 26008 12/26/07

381 Fill in later CASON CONSTRUCTION HJ7)

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

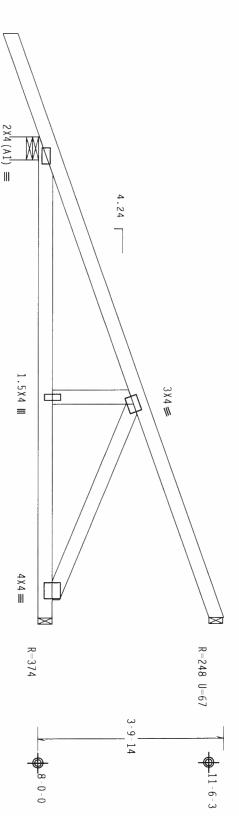
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

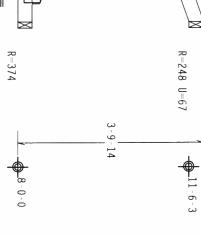
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is $1.50\,\mathrm{.}$

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

Wind reactions based on MWFRS pressures.

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







WARNING IRUSKES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONEN) SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE HESTIDUE, 218 MORTH LEE STREET, SUITE 312. ALEXANDRA, VA, 22314) AND MICA (MODD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRESE LAIE, MADISON, MI 52719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. JUNESS OTHERMISCH HOLGEN CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE Design Crit: TPI-2002 (STD) Cq/RT=1.00 (1.25) /10 (0)

TYP.

Wave

IMPORTANTTURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, WY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH IP); OR FABRICATHO. HANDLURG, SHIPPIDG, HISTALLING A BRACTING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFAPA) AND IPI; ITM BCG CONNECTOR PLATES ARE HADE OF ZO/IBJ76G, 4(H.MSS/K) ASIH A653 GRADU 40/60 (H. KHLSS) GALV. SIEEL. APPLY PLATES TO ACH TACE OF THUSS AND. HURESS OFFERNISE LOCATION OF THIS DESIGN, POSITION PER DRAWHORS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPI1 ZOOZ SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL DESIGN SHOWN. THE SUITABILITY AND USE OF THE BUILDING DESIGNER PER ANSI/IPL 1 SEC. 2. G IS THE RESPONSIBILITY OF THE

ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 0 778

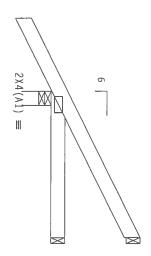
ALPINE

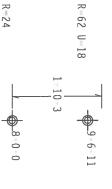
ORIOR INE CENSE No. 66648 MIFFOF FL/-/4/-/E/R/-

	26	No.	9 7	+	ACT IS NOT	A. S. C. C.
Ĺ	26 '07	38		dilitin	1431V	
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JREF - 1TDH8228Z02		SEQN- 8882 REV	HC-ENG JB/DF	DRW HCUSR8228 07360033	DATE 12/26/07	REF R8228- 20482

Scale =.5"/Ft.

Top chord 2x4 SP Bot chord 2x4 SP Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is $1.50\,.$ 381 - Fill in later CASON CONSTRUCTION #2 Dense #2 Dense CJ3) 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.





1 6 0 3_0 0 Over 3 Supports R-262 U-26 W-3.5"

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

TYP.

Wave

***MANNING** IRUSETS REQUIRE EXTREME CARE IN FARRICATION, INANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO ROSI (BUILDING COMPONENT SAFETY INFORMATION), PRICE ISSUED BY TPI (TRUSE PLAIE INSTITUTE, Z18
MORTH LEE STREET, SUITE 317. ALEXANDRIA, VA. Z2214) AND MEDA (MODO TRUSE COMMETLO OF AMERICA. 6300
ENTERPRISE LAME, MADISON, MI 53719) FOR SAFETY PRACTIFES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERMISE INDICALID FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARIELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED REGID CELLING.

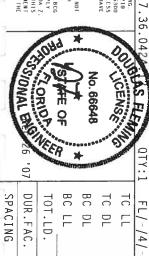
IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN TO HE THIS DESIGN. THE FIRST IN COMPORMANCE WITH IP: OR FARREACHING, HANDLING, SHEPPIG, HISTALLING A BRACING OF TRUSSES.

DESIGN CONFIDENCY HIM APPLICABLE PROVISIONS OF 1815 (MAIDNAL DESIGN SEC. BY ATRA) AND IPI. THE GC CONNECTOR PLATES ARE HADE OF 20/18/16/6A (H.M.YSS/K). ASIM A653 GRADE A0/60 (M. K/M.SS) GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSSES. AND. UNICSS OFFERNISE (COATED BY HIS DESIGN, POSITION PER DRAWHIGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE FER ANKEX AS OF THIS 200T Y FOR HIE TRUSS COMPONENT BRAINING INSTALLS ACCEPTANCE OF PROFESSIONAL ENGINEERS OF THIS 200T Y FOR HIE TRUSS COMPONENT BRAINING INSTALLS ACCEPTANCE. BUILDING DESIGNER PER ANSI/IPI 1 SEC

Haines City, FL 33844
Haines City, FL 33844
Haines City, FL 3844

zation " ^ 770

ALPINE



10.0 PSF 10.0 PSF 20.0 PSF

DRW HCUSR8228 07355001

DATE REF /E/R/-

Scale = .5"/Ft.

R8228- 20483 12/21/07

1	6	VEE	P
	07	-	DESCRIPTION
SPACING	DUR.FAC.	TOT.LD.	BC LL
24.0"	1.25	40.0 PSF	0.0 PSF
JREF- 1		SEQN-	HC-ENG
1TDH8228Z02		21747	HM/AP

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is $1.50\,.$ Top chord 2x4 SP Bot chord 2x4 SP ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 0.778 381 Fill in later CASON CONSTRUCTION TYP. ALPINE Wave #2 Dense #2 Dense **IMPORTANT**FURMISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. WE FAILURE TO BUILD THE FRUSS IN COMPORMANCE WITH IP: OR FARREACHING, HANDLING, SHIPPIUG, INSTALLING A BRACING OF TRUSSES.

DESIGN CONTRETS HITH APPLICANCE PROVISIONS OF THIS DESIGN SEC. BY ATRAY AND TP! HEGG CONTRECTOR PLATES ARE HADE OF 20/18/16/66 (H.M.YSS/K). ASIH A653 GRADE 40/60 (H.K./H.SS) GALY. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND. UNICES OTHERNISE LOCATED ON THIS DESIGN, POSITION PER BRAWHINGS 160A Z. ANY HASTPCTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANKEX AS OT TPIT 2002 SEC. 3. A SEAL ON THIS DESIGN SHOWN. THE SHAME COMPORED BY (I) SHALL BE PER ANKEX AS OT TPIT 2002 SEC. 3. **MARNING** IRRUSE'S REQUIRE EXTREME CARE IN FARRICATION, IMABILING, SHIPPING, INSTALLING AND BRACING, REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), DUBLISHED BY TPI (TRUSS PLATE INSTITUTE, ZIR MORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 72314) AND HEA (MORD TRUSS COUNCEL) OF AMERICA. 6300 CHIEGRRISE LANE, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED FOR CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARLES AND BOTTOM CHORD SMALL HAVE A PROPERLY ATTACHED TRUCTURAL PARLES AND BOTTOM CHORD SMALL HAVE **1** 6 0 → 2X4'(A1) =Design Crit: R=331 U=24 W=3.5" 6 -5-0-0 Over EJ5) TPI-2002 (STD) /FBC Cq/RT=1.00 (1.25) /10 (0) 3 Supports Wind reactions based on MWFRS pressures 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 R=54 R-127 U-35 GOUGHAS FLEA CENSE No. 66648 -10 10-6-11 8-0-0 26 0/ BC DL TC DL DUR.FAC. BC LL TC LL TOT.LD. FL/-/4/-/E/R/-40.0 1.25 10.0 PSF 10.0 PSF 20.0 PSF 0.0 PSF PSF DATE REF SEQN-HC-ENG DRW HCUSR8228 07360016 Scale = .5"/Ft. R8228- 20484 JB/DF 26003 12/26/07

BUILDING DESIGNER PER ANSI/IPI I SEC.

SPACING

24.0"

JREF-

1TDH8228Z02

Top chord 2x4 SP / Bot chord 2x4 SP / Webs 2x4 SP / 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 $1.50.\,$ In lieu of structural panels use purlins to 24" OC. ITW Building Components Group, Inc. Haines City, FL 33844 FI Certificate of Authorization # 0 778 381 Fill in later TYP. ALPINE Wave 1-6-0 #2 Dense #2 Dense #3 CASON CONSTRUCTION 2.5Xb(A1) **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR THE BGG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH IP: OR FABRETALING, MANDING, SHIPPIUG, INSALLIGA & BRACING OF TRUSSES, DESIGN CONTROLATING, MANDING, SHIPPIUG, INSALLIGA & BRACING OF TRUSSES, S. CARAY AND IPI. IF BGG CONNECTOR PLATES ARE HADE OF ZO/IM/166A (H.H/SS/K) ASTH A653 GRADE 40/60 (H. K/H.SS) GALV STEEL APPLY PLATES TO EACH FACE OF TRUSS AND. UNICES OFHERMISE (DCATED ON THIS DESIGN, POSITION PER BRACHINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER BRHEET AND THIS DESIGN, POSITION OF A SCAL ON THIS DRAMINGS HOLDCHES ACCURPORATE TO SHALL SEED ON THIS DESIGN SHOWN. THE SHALL SEED ON THIS DESIGN SHOWN. THE SHALL SEED ON THIS DESIGN SHOWN. THE SHALL SEED ON THIS DESIGN SHALL SEED ON THIS DESIGN SHALL SEED ON THIS DOCUMENT OF THE THESE COMPONENT DESIGN SHOWN. THE SHALL SEED ON THIS DOCUMENT OF THE THIS COMPONENT DESIGN SHOWN. THE SHALL SEED ON THIS DOCUMENT OF THE THIS COMPONENT DESIGN SHOWN. THE SHALL SHALL SEED ON THIS DOCUMENT OF THE THE SHALL SHALL SHALL SEED ON THE SHALL S **WARNING** TRUSSES REDUIRE EXTREME CARE IN FARRICATION, INABILHG, SHIPPING, INSTALLING AND BRACING REFER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PHBLISTED BY FPT (TRUSS PLAIE INSTITUTE, ZIB HORN LEE STREET, SUITE 312, ALEXANDRIA, VA, ZZ314) AND HICA, HORD TRUSS, COUNCIL O'AMERICA, 6300 ENTERPRESE LANE, MADISON, HI 55379) FOR SAFETY PRACTICES PRIOR TO PREFORMING THESE FUNCTIONS. HILESS OTHERWISE TROTCALED FOR COMOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE BUILDING DESIGNER PER ANSI/IPI 1 SEC. R=1108 U=172 W=3.5* M 6 111 Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) ഗ brace all flat IC -0-0 * H5E) 12-0-0 Over 2 Supports 4 X 4 == 3 X 4 ≡ H 2-0-0 1.5X4 III 5 X 6 ≡ 卣 SPECIAL LOADS hip supports 5-0-0 jacks with no webs 7.36. (LUMBER SOUCENSE LB Conc. R DUR.FAC.=1.
62 PLF at 5
62 PLF at 5
62 PLF at 5 No. 66646 5-0-0 6 at 0.00 at 12.00 REINER 5.00 7.00 7.50 / PLATE DUR.FAC.=1.25)
to 62 PLF at 5.00
to 62 PLF at 7.00
to 62 PLF at 13.50
to 62 PLF at 13.50
to 4 PLF at 12.00
to 20 PLF at 12.00
to 4 PLF at 13.50
5.00, 7.00 5.00, R=1108 U=172 W=3.5" 0.7 2.5x6(A1) BC DL TC DL SPACING DUR.FAC. TC LL TOT.LD. FL/-/4/-/E/R/-**←**1-6-0-**>** 40.0 20.0 1.25 10.0 PSF 10.0 PSF 24.0" 0.0 PSF PSF PSF SEQN-DATE REF JRFF-HC-ENG DRW HCUSR8228 07360039 Scale =.5"/ft. R8228-1TDH8228Z02 JB/DF 26014 12/26/07 20485

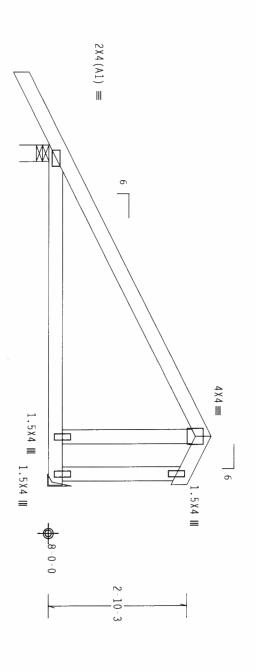
l⊇

Top chord 2x4 SP Bot chord 2x4 SP Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is $1.50\,.$ (7 381 Fill in later CASON CONSTRUCTION ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278 TYP. ALPINE Wave #2 Dense #2 Dense ***IMPORTANT***FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BEG, LHC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE BRUSS IN COMPORMANCE WITH PI: OR FARBLECKITHG. INNOLING, SHIPPIDE, HISTALLING A BRACIE OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF UNDS (MATIONAL DESIGN SPEC, BY AFRY) AND PI: IN BCG CONNECTOR PLATES ARE HADE OF 20/18/1664 (H.H/SS/K) ASTH A653 GRADE 40/60 (H.K./H/SS) GAA'S STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNILSS ONIERNISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PARTES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF FRIT 200E SEC.3. A SEAL ON THIS DRAWING INDICALISE ACCEPTANCE OF PROFESSIONAL ENGINEER BY ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN.

DRAWING INDICALISE ACCEPTANCE OF PROFESSIONAL ENGINEER OF RESPONSIBILITY OR THE RESPONSIBILITY OF THE BESIGN SHOWN. **WARNING** IRUSSES REDUIRE EXREME CARE IN FARRICATION, MANDITNG, SHIPPING, HISTAILING AND BRACING REFER TO BEST (MULTDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (FRUSS PLATE INSTITUTE, 218 1081). ALEXANDRIA, VA, 22314) AND MICA (MODD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI \$3,379) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERMISE INFORMATION FOR THE PROPERTY ATTACHED STRUCTURAL PARIELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARIELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARIELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARIELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARIELS. BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2 **1** 6 0 1 √ 2 2X4'(AI') =Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) W R-408 U=25 W=4" 6 EJ7) -7-0-0 Over 3 Supports 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. GOUGHAS FL CENS No. 66648 R-82 R-187 U=50 67 07 ىب BC LL BC DL TC DL SPACING DUR.FAC. TC LL TOT.LD. FL/-/4/-/E/R/-ىن **4**-11 6 11 8-0-0 1.25 40.0 PSF 10.0 PSF 10.0 PSF 20.0 PSF 24.0" 0.0 PSF DATE REF JREF -SEQN-DRW HCUSR8228 07360017 HC-ENG Scale =.5"/Ft. R8228- 20486 1TDH8228Z02 JB/DF 26026 12/26/07

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 381 Fill in later CASON CONSTRUCTION #2 Dense #2 Dense #3 EJ71) 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 Right end vertical not exposed to wind pressure Wind reactions based on MWFRS pressures.





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

PLT TYP.

Wave

WARNING TRUSSES REQUIRE CYTREME CARE IN FARRICATION, UMUNILUM, SHIPPING, INSTALLING AND BRACING.
RETER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FFT (FRUSS PLATE HISTITUTE, 218 HORTH LEE SIRECE, SUITE 132, ALEXANDRIA, VA, 22714) AND MICA (MOOD TRUSS COUNCE OF AMERICA, 6300 ENTERPRISE LAND, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HUSS FUNCTIONS, UNLESS OTHERMISE INDICATED PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED REGION TO FER CALLED FOR THE STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH PP: OR FARBLICATION, INNOLLING, SHEPPIG, HISTALLING A BRACHEG OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF UDS (MATIONAL DESIGN SPEC, BY ATRA) AND IPI. IN BCG CONNECTOR PLATES ARE HADE OF 20/18/166A (M.H/SS/K) ASIM A653 GRADE 40/60 (W. K/M.SS) GALY. STEEL APPLY PLATES TO LACH FACE OF TRUSS AND, UNLESS OTHERNISE LOCALED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER AMICK AS OF IPI1 2002 SEC. 3. A SEAL ON THIS DESIGN. BY ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER AMICK AS OF IPI1 2002 FC. 3.

BRAHING HOLDCHES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLLY FOR HIE TRUSS COMPONENT

Haines City, FL 33844

"ization " ^ ~~

BUILDING DESIGNER PER ANSI/IPI 1 SEC.

ALPINE

7.36. COURS FLER CENSE No. 66648 FL/-/4/-/E/R/-

	107		- STATE	britis	HENEX	
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JRFF- 1TDH8228Z02		SEQN- 26034	HC-ENG JB/DF	DRW HCUSR8228 07360018	DATE 12/26/07	REF R8228- 20487

Scale =.5"/Ft.

381 Fill in later CASON CONSTRUCTION * EJ72)

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

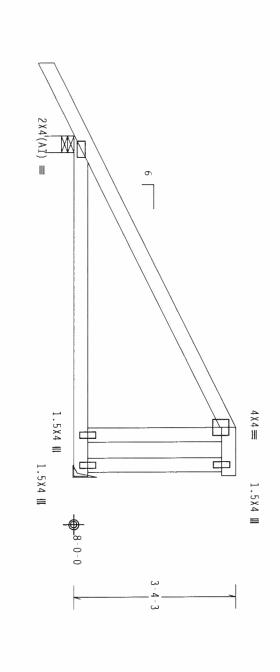
In lieu of structural panels use 24° 00. purlins to brace all flat TC @

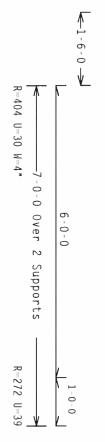
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is $1.50\,.$

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

Wind reactions based on MWFRS pressures

Right end vertical not exposed to wind pressure.





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

7.36.04

TYP.

Wave

HARNING IRUSSYS REQUIRE LXTHEME CAME IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BEST (MULTDING COMPONER SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, ZIB HORTH LLE STREET, SUITE 317. ALEXANDRIA, NA, 22314) AND MICA (MODO TRUSS CONUCL) OF AMERICA. 6300 CHILGEREN SC LORD AND SOUTH AND SOUTH STATEMENT AND SOUTH STATEMENT AND SOUTH STATEMENT AND SOUTH AND SOUTH

FI Carificate of Ambarization # 0 270 *** IMPORTANT** URBILLS A COPY OF THIS DISIGN TO THE INSTALLATION CONTRACTOR. THE BEGG. THE. SMALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DISIGN. ANY FAILURE TO BUILD THE INVESTIGATION. CHARGE WITH PRICOR TRANSCRIPTION. INSTALLING A BRACING OF TRUSSES.

DESIGN CONFIDENCY HIM APPLICABLE PROVISIONS OF HOS (MAIDONAL DESIGN SPEC. BY AFAFA) AND IPT.

LIN BEG CONNECTION PLAISES AND DESIGN. PROVISIONS OF HOS (MAIDONAL DESIGN SPEC. BY AFAFA) AND IPT.

PLAIES TO CACH FACE OF TRUSS AND. DIMESS OTHERNISE LOCATED ON THIS DESIGN. POSITION FOR BRAHHIGS 160A Z.

ANY HISPECTION OF PLAIES TOLLOWED BY C1) SHALL BE FER ANDEX AS OF IPTI 2002 SEC. 3.

ASSAL ON THIS DESIGN. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE RESPONSIBILITY OF THE BRAHHIGS THE SHOWN.

HIS SHIFT AND HIS DISCORDER PER ANSI/IPTI SEC. 2.

ALPINE

OS LIGENS No. 6664

	26 .07	TOT.LD.	OF CR	*		O. O.
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JREF- 1TDH8228Z02		SEQN- 26039	HC-ENG JB/DF *	DRW HCUSR8228 07360019	DATE 12/26/07	REF R8228- 20488

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP PLT Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is $1.50\,.$ (7-381--Fill in later CASON CONSTRUCTION TYP. ALPINE Wave #2 Dense #2 Dense #3 **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE BRUSS IN COMPORMANCE WITH PPI; OR FARRICATING, MONDLING, SHIPPIG, HISTALLING A BRACHER OF TRUSSES.

DESIGN COMPORMS WITH APPLICABLE PROVISIONS OF MDS (UNITIONAL DESIGN SPEC, BY ATRPA) AND PPI. THE RECONNECTOR PLATES ARE HADE OF 20/18/166A (M.H/SSS/M) ASTH A653 GRADE 40/60 (M.K.M.SS) GALV. SITEL. APPLY LAKES TO EACH FACE OF TRUSS AND, UNICES OFFICER PROVISION OF THIS DESIGN, POSITION PER DRAWHINGS 160A-Z. ANY HISPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A 30 F 1P11-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN IN THE SHAPP OF THE STORMAN OF THE PROVISIONAL BEFORE ANNEX A 30 F 1P11-2002 SEC.3.

DRAWHING INDICALS ACCEPTANCE OF PROFESSIONAL ENGINEER OF RESPONSIBILITY SOLITY FOR THE TRUSS COMPONENT DESIGN SHOWN IN SHAPP AND SECONDAL SHAPP A **MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, IMADILIAE, SHIPPING, INSTALLING AND BRACING, RETER TO REST (BULLDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (THUSS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, Z2314) AND MICA (MOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERFORMENT AND SOME, MI \$3719) FOR SAFETY PRACTICES PRIOR TO PERFORMENT HISSE FUNCTIONS. UNLESS OTHERWISE HOLDS AND SOME AND STREET AND PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED REFORMENT CHORD SHALL HAVE PROPERTY ATTACHED REFORMENT. **★**1-6-0-**>** 2X4'(A1') Design =404 Ш U=36 W=4" Crit: EJ73) TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) 0 0 Ŋ 0ver 10-0 2 Supports 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 Right end vertical not exposed to wind pressure. 1.5X4 III 4 X 4 == 7.36. R=272 U=31 1-2-0 GOUGHAS FLER 9 ORIONAL ENGINEE 1.5X4 Ⅲ CENS No. 66648 1.5X4 III 2 BC DL ВС TC C FL/-/4/-/E/R/-ىٰي DL 10.0 20.0 PSF 10.0 PSF 0.0 PSF PSF DATE REF HC-ENG DRW HCUSR8228 07360020 Scale = .5"/Ft. R8228- 20489 JB/DF 12/26/07

BUILDING DESIGNER PER ANSI/IPI 1 SEC

07

DUR.FAC.

1.25

TOT.LD.

40.0

PSF

SEQN-

26044

SPACING

24.0"

JREF-

1TDH8228Z02

Top PLT Wind reactions based on MWFRS pressures. FI Carificate of Americation # 0 270 7-381-Fill in later CASON CONSTRUCTION p chord 2x4 t chord 2x4 TYP. ALPINE Wave SP #2 Dense #2 Dense ** IMPORTANT ** TREMISH A COPY OF THIS DESIGN TO THE INSTALLATION COMPRACTOR. THE BEG. THE. SHALL NOT BE RESPONSIBLE FOR ANY BEYLATION FROM HIS DESIGN, ANY FALLUE TO BRILLD HE TRUSS IN COMPORMANCE WITH PEP TO A TRANSPORT OF THE SES.

DESIGN COMPRESS WITH APPLICABLE PROPERTIONS OF BUSS (MATIONAL DESIGN SEC. BY AFRA) AND TELL THE BEG. CONNECTED RELATES ANTH APPLICABLE PROPERTIONS OF BUSS (MATIONAL DESIGN SEC. BY AFRA) AND TELL APPLY PLATES TO EACH FACE OF TRUSS AND UNILSS OTHERWISE LOCATED ON THIS DESIGN. POSITION FER DRAWINGS 160A 2. ANY HISSECTION OF PLATES FOLLOWED BY (1) SHALL BE FER AMBLE AS OF THIS ORDER SEC. ANY LASS CALL ON THIS DESIGN. **HARNING** RRISES REQUIRE EXTRINE CARE IN CARRICATION, HANDING, SUPPING, INSTALLING AND BRACING, REFER TO RESI (BUILDING COMPONENT SAFETY INFORMATION), POBLISHED BY FID (1RUSS PLAIE INSTITUTE, 218 NORTH LEE STREET, SUITE 312. ALEXANDRIA, VA. 22314) AND WICA (MODD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LAME, MADISON, WI 53719) FOR SAFETY PRACTICES RAIGH TO PERFORMING THESE FUNCTIONS. UNLESS OTHERNISE LINE, CALIFORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAHELS AND MOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED REGION CHORD SHALL HAVE DRAWING INDICATES
DESIGN SHOWN. II BUILDING DESIGNER PER ANSI/TPI I SEC **1**-6-0 → S ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPO 2X4'(A1) =Design Crit: MD R=331 U=25 W=4" 6 -5-0-0 Over 3 Supports CJ5 TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT WE IS THE RESPONSIBILITY OF THE 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 7.36 R=54 R-127 U-35 CORNOR ů **⊕** 10 - 6 - 11 8-0-0 07 BC DL TC DL DUR.FAC. ВС TC LL SPACING TOT.LD. FL/-/4/-/E/R/ 1.25 10.0 24.0" 10.0 PSF 20.0 PSF 40.0 PSF 0.0 PSF PSF REF JREF -SEQN-DATE HC-ENG HM/AP DRW HCUSR8228 07355003 Scale =.5"/Ft. R8228- 20490 1TDH8228Z02 26191 12/21/07

CLB WEB BRACE SUBSTITUTION

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

NOTES

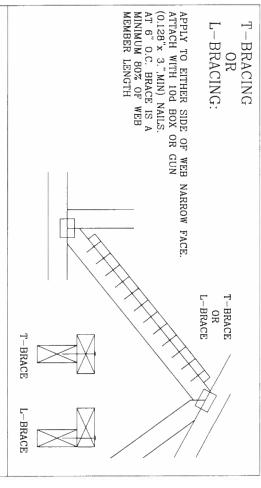
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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

	2X6	2 ROWS	2XB
	2X6	1 ROW	2X8
	2X6	2 ROWS	2X6
	2X4	1 ROW	2X6
	2X6	2 ROWS	OR
	2X4	1 ROW	2X3 OR 2X4
RACE	T OR L-BRACE	BRACING	SIZE
ALTERNATIVE BRACING	ALT	SPECIFIED CLB	WEB MEMBER

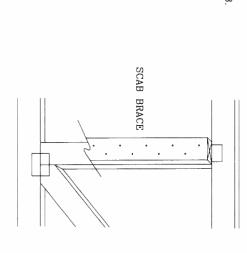
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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



SCAB BRACING:

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



THIS DRAWING REPLACES DRAWING 579,640

PSF REF

CLB

SUBST.



ITWBUILDING COMPONENTS GROUP, INC POMPANO BEACH, FLORIDA

ALPINE

TC LL

	TC DL	PSF	DATE	2/23/07
	BC DL	PSF	DRWG	BRCLBSUB0207
. P. C.	BC LL	PSF	-ENG	MLH/KAR
A CO	TOT. LD.	PSF		
) 	DUR. FAC.			
OF FR	SPACING			

ASCE 7-02: 110 MPH WIND SPEED, 15 MEAN HEIGHT, ENCLOSED, ||1.00, EXPOSURE \Box

				_	_	_	_				_	_	_	_	_				_	_	_			_	_				
]	M	A	X			T/	\]	3		E		V	E	R	Γ.	ľ	C	A	L		L	E	N		лг Т	ГΗ	
		1	2	,,		0	. (ζ.			1	6	,,		0	. (ζ.			2	4	,,		0	. (3	•	SPACING	GARI
			1	 '\)	TIT	丁 口	J J C				1	<u>ر</u>)	TIL		7,7	Z Z			1	<u>.</u>)	TIT	I I	UT I	C T T	SPACING SPECIES	2X4 CABLE VERTICAL
	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	STANDARD	STUD	#3	#22	#1	STANDARD	STUD	#3	#1 / #2	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	GRADE	BRACE
	4' 11"	5, 0,	5 0	5. Q	5, 4,"	4' 9"	4' 9"	4' 9"	4' 11"	4' 5"	4 6"	4' 6"	4. 9."	4' 10"	4' 4"	4' 4"	4' 4"	4' 5"	3' 10"	4' 0"	4'0"	4' 2"	4' 3"	3' 9"		3' 9"	3' 10"	BRACES	Š
	7' 5"	8' 5"	8, 5,	8, 5	8, 5,	7' 3"	8' 5"	8 5"	8' 5"	6' 5"	7' 6"	7' 7"		7' 8"	6' 4"	7' 4"	7' 4"	7' 8"	5' 3"	6' 1"	6' 2"	6'8"	6' 8"	5	6'0"	6' 0"	6' 8"	GROUP A	(1) 1X4 "L
	7' 5"	8' 7"	8' 5"	9' 1"	9' 1"	7' 3"	8, 2,	8, 5,	8' 8"	6' 5"	7' 6"	7' 7"	1 -	8. 3. 3.	6' 4"	7' 4"	7' 4"	7' 10"	5' 3"	6' 1"	6' 2"	7' 2"	7' 2"	5' 2"	6'0"	6'0"	6' 10"	GROUP B	1X4 "L" BRACE *
	9' 10"	10' 0"	10' 0"	10' 0"	10' 0"	9' 7"	10' 0"	10, 0,,	10' 0"	8' 6"	9' 1"	9' 1"	9' 1"	9, 1,,	8' 4"	9' 1"	9' 1"	9' 1"	6' 11"	7' 11"	7' 11"	7' 11"	7' 11"	6' 9"	7' 11"	7' 11"	7' 11"	GROUP A	(1) 2X4 "L"
CVINA	9' 10"	10' 6"	10' 6"	10' 9"	10' 9"	9' 7"	10' 0"	10' 0"	10' 3"	8' 6"	9' 6"	9' 6"	9' 9"	9' 9"		9' 1"	9' 1"	9' 4"	6' 11"	8' 0"	8' 1"	8' 6"	8' 6"	6' 9"	7' 11"	7' 11"	8' 1"	GROUP B	" BRACE *
	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"		10' 10"	10' 10"		9' 4"	9' 5"	9' 5"	9' 5"	9' 5"	9' 1"	9' 5"	9'5"	9' 5"	GROUP A	(2) 2X4 "L"
	12' 3"	12' 6"	12' 6"	12' 10"	12' 10"	11' 11"	11' 11"	11' 11"	12' 3"	11' 1"	11' 4"	11' 4"	11' 8"	11' 8"	10' 10"	10' 10"	10' 10"	11' 1"	9' 4"	9' 11"	9' 11"	10' 2"	10'2"	9'1"	9' 5"	9' 5"	9' 8"	GROUP B	BRACE **
	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			13' 3"	14' 0"	14' 0"	14' 0"		12' 11"	14' 0"	14' 0"	14' 0"	10' 10"	12' 5"	12' 5"	12' 5"		10' 7"	12' 3"	12' 4"	12' 5"	GROUP A	(1) 2X6 "L"
	14' 0"	14' 0"		14' 0"	14' 0"	14' 0"	14' 0"		14' 0"		14' 0"	14' 0"		14' 0"	12' 11"	14' 0"	14' 0"		10' 10"	12' 6"	12' 8"			10' 7"	12' 3"	12' 4"		GROUP B	" BRACE *
	14' 0"		14' 0"					14' 0"				14' 0"			14' 0"					14' 0"		- 1			14' 0"	14' 0"	14' 0"	GROUP A	(2) 2X6 "L"
	14' 0"			14' 0"						14' 0"	14' 0"	14' 0"	14' 0"		14' 0"					14' 0"				14' 0"		14' 0"	14' 0"	GROUP B	BRACE **

DOUGLAS FIR LARCH
#3
STUD
STANDARD

SOUTHERN PINE

STANDARD

GROUP HEM-FIR #1 & BTR #1

ᄧ

BRACING GROUP SPECIES AND GRADES:

GROUP

Α

HEM-FIR STUD

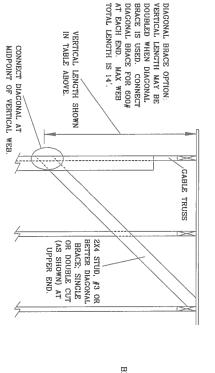
SPRUCE-PINE-FIR #1 / #2 STANDARD

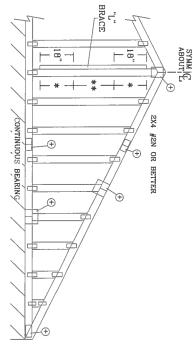
#3

STUD

#3

STANDARD





GABLE TRUSS DETAIL NOTES:

SOUTHERN PINE

DOUGLAS FIR-LARCH

25

#2

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD). LIVE LOAD DEFLECTION CRITERIA IS L/240. PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH IOD NAILS.

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

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

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

IN 18" END ZONES AND 6" O.C. BETWEEN ZONES. MEMBER LENGTH. "L" BRACING MUST BE A MINIMUM OF 80% OF WEB

+					
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.	GREATER THAN II' 6"	GREATER THAN 4' 0", BUT LESS THAN 11' 6"	LESS THAN 4'0"	VERTICAL LENGTH	GABLE VERTICAL PLATE SIZES
S DESIGN FOR PLATES.	2.5X4	2X4	1X4 OR 2X3	NO SPLICE	TE SIZES

ITWBUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA	ALPINE	
GALV. STEEL. APPLY PLA DESIGN, POSITION PER DR ANNEX A3 OF TPI 1-2002 ENGINEERING RESPONSIBIL USE OF THIS COMPONENT ANSI/TPI I SEC. 2.	**(MPDRTANT** FURNISH NOT BE RESPONSIBLE FOR CONFORMANCE WITH TPI, I DESIGN COMFORMS WITH A DESIGN CONFORMS TIOR PLA	BRACING. REFER TO BCSI INSTITUTE, 218 NORTH LE ANERICA, 6300 ENTERPRIS FUNCTIONS. UNLESS OTHE PANELS AND BOTTOM CHO

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BCSI (BUILDING CDHPONENI SAFETY INCOMPANTION), PUBLISHED BY TEI (TRUSS PLATEINSTITUTE, 218 NURTH LEE SIR., SUITE 312, ALEXANDRIA, VA. 22314) AND "VICA (AUDID TRUSS COUNCIL (NETITUTE), 218 NURTH LEE SIR., SUITE 312, ALEXANDRIA, VA. 22314) AND "VICA (AUDID TRUSS COUNCIL ARERICA, 6300 ENTERPRISE LN, HADISIN, VII 53719) FOR SAFETY PRACITIES PRIDE TO EREGENHIG THES FUNCTIONS. ONLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOH CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

REFER TO

CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

IF ORY DE THIS DESIGN TO INSTALLATION CONTRACTOR. IT USES, SMAL

RE NAY DEVIATION FROM THIS DESIGN ANY FAILURE TO BUILD THE TRUSS IN

OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

APPLICABLE PROVISIONS OF MIS CHAPTIONAL DESIGN SPEC, BY AFREN AND TPI.

ATES ARE MADE OF EAPIRSIGN AND, UNLESS OTHERWISE CHAFTED IN THIS

RAVINGS IGNAT. ANY INSPECTION OF THATES FOLLOWED. BY CO SHALL BE PER

SEC. 3. A SEAL ON THIS DRAVING INDICATES ACCEPTANCE OF PROFESSIONAL

TEST OF THE THIS STALLING THE BUILDING DESIGNER, PER

FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER

7

	aumi	₩ WINTERNAL *	Mana C	N. S.	7	77
X		AX.				
MAX. SPACING		MAX. TOT. LD. 60 PSF				
JNG		LD.				
		60				
24.0"		PSF				
			-ENG	DRWG A11	DATE	
				A11	2/2	

REF ASCE7-02-GAB11015 23/07 015EE0207

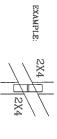
GABLE FOR LET-IN VERTICALS DETAIL

GABLE VERTICAL PLATE SIZES

+

					_		
2X4	* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.	(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.	GREATER THAN 11' 6"	GREATER THAN 4' 0", BUT LESS THAN 11' 6"	LESS THAN 4' 0"	BETWEEN CHORDS	VERTICAL LENGTH
\	ES OVERLAP, I	RUSS DESIGN LATES.	2.5X4	2X4	1X4 OR 2X3	SIZE	PLATE
7	USE A	FOR PEAK,	2.5X8	2X8	2XB	OVERLAP*	IF PLATES

EXAMPLE:







PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS: 10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS (4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND

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

REINFORCING MEMBER

TOENAILS

RIGID SHEATHING

GABLE. TRUSS

TOENAILS SPACED AT 4" O.C.

였 SBCCI WIND LOAD. ASCE 7-93 GABLE DETAIL DRAWINGS

NSCE 7-98 GABLE DETAIL DRAWINGS A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207, A11030EN0207, A10030EN0207, A09030EN0207, A09050EN0207, A09050EN0207, A09050EN0207, A09050EN0207, A09050EN0207, A09050EN0207, A09050EN0207, A0

ASCE 7-02 GABLE DETAIL DRAWINGS A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207 A10030EC0207, A08530EC0207

ASCE 7-05 GABLE DETAIL DRAWINGS A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207 A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207

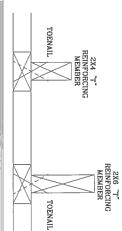
A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207 A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207

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

4 TOENAILS

CEILING

+



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

WEB LENGTH INCREASE W/ "T" BRACE

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

WIND SPEED "f" REINF. 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 20 % 10 % 90 MPH 2x4 20 % 40 % 90 MPH 2x4 10 % 10 % 90 MPH 2x4 10 % 50 % 15 FT 2x6 30 % 50 % 80 MPH 2x4 10 % 50 % 80 MPH 2x4 10 % 30 % 15 FT 2x6 30 % 30 % 80 MPH 2x4 20 % 10 % 10 FT 2x6 10 % 40 % 20 FT 2x6 20 % 40 %																					
EED 'Tr' REINF. SBCCI H WBR. SIZE 10 % 2x6 40 % 10 % 2x6 50 % 2x6 10 % 2x6 30 % 2x6 30 % 2x6 20 % 2x7 10 % 2x7 10 % 2x8 20 % 2x8 10 % 2x8 10 % 2x8 10 % 2x8 20 % 2x8 20 % 2x8 20 % 2x8 20 % 2x8 10 % 2x8 20 % 2x8	30	15	70 1	30	80 N	15	80 N	30	90 N	15	۷ 06	30	100	15	100		110	15	110	AND	CNIM
SBCCI 10 40 11 10 11 10 11 10 11 11 11 11 11 11 11	FT	13	ίPΗ	FT	PH	FT	(PH	FT	PH	FT	PH	FT	MPH	FT	HAM	FT	MPH	FT	MPH	MRH	CHARD
	2x4 2x6	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2 x 6	2 x4	2 x 6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	MBR. SIZE	TT" PEINE
ASCE 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10	10 %	0 %	0 %	20 %		2 01	2 01		10 %	20 %	20 %	40 %	10 %	30 %	10 %		2 01			SBCCI	
	30 %	20 %		40 %		30 %	20 %	50 %	2 01	40 %	2, 01	40 %	10 %	50 %	2, 01		2 01			ASCE	

BOTTOM CHORD

EXAMPLE:

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

AVARNING* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS GBUILDING COMPINENT SAFETY INFORMATION, POBLISHED BY TELCTRUSS COUNCIL OF INSTITUCE, 218 MORTH LEE SET, SUITE 122, ALEXANDRIA, VA. 25214) AND VTCA CAUDD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HADISDN, WI 53719) FOR SAFETY PRACTICES PRIDE TO PERFORMING THESE FUNCTIONS. UNICESS DIFFERVISE INDICATED. TOP CARDO SHALL HAVE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED STRUCTURAL

WHERE HANTS— FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR TITY BCG, INC., SMALL

NOT BE RESENSUBLE TOR ANY BEVLAILUN FROM HIS DESIGN, ANY FAILURE IN BUILD HE FURSS IN.

DESIGN CONNECTION FARE AND EVALUIN FROM HIS DESIGN, ANY FAILURE IN BACKING OF RUSSES.

DESIGN CONNECTION PROPLICABLE PROPUSIONS OF MAS WANTIONAL DESIGN SPEC. BY AFREAD AND TEP.

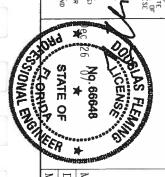
ITTA, BCG CONNECTION PROPLICABLE PROPUSIONS OF MAS WAS ASSESSED AND FAREAD AND TEP.

ITTA, BCG CONNECTION PROPUSIONS OF AND HIS SERVING MASS FOLLOWED BY ONLY HASS)

GAV, STEEL, APPLY PAIRS TO EACH FACE OF FRUISS AND DIAGRES FOLLOWED BY ONLY HASS PROPUSIONS OF PROPUSING OF PROPUSIONS OF PR

ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA

ALPINE



7	MAX TOT. LD. 60 PSF	ere C	HILL		
	. LD. 6				
	0 PSF				
		-ENG	DRWG	DATE	REF
		-ENG DLJ/KAR	DRWG GBLLETIN0207	2/23/07	LET-IN VERT
		120	N0207	7	VERT

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

MAX SPACING DUK. FAC. 24.0" IN0207

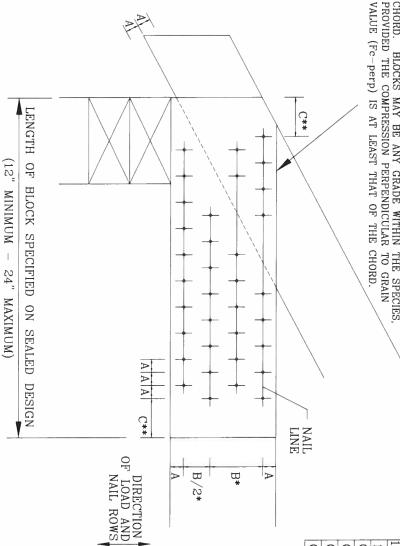
BEARING BLOCK NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING. STAGGER

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

Ę NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
• SPACING MAY BE REDUCED BY 50%
• SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN



MAXIMUM NUMBER OF NAIL LINES PARALLEL TOGRAIN

		CHO	CHORD SIZE	37		
NAIL TYPE	2X4	2X6	2X8	2X10	2X12	
Bd BOX (0.113"X 2.5",MIN)	3	6	9	12	15	
10d BOX (0.128"X 3.",MIN)	3	5	7	10	12	
12d BOX (0.128"X 3.25",MIN)	ω	5	7	10	12	
16d BOX (0.135"X 3.5",MIN)	ω	5	7	10	12	
20d BOX (0.148"X 4.",MIN)	2	4	5	9	8	
Bd COMMON (0.131"X 2.5", MIN)	ယ	5	7	10	12	
10d COMMON (0.148"X 3.", MIN)	2	4	6	8	10	
2d COMMON (0.148"X 3.25", MIN)	2	4	6	8	10	_
16d COMMON (0.162"X 3.5", MIN)	20	4	6	8	10	
GUN (0.120"X 2.5",MIN)	ယ	6	8	11	14	
GUN (0.131"X 2.5",MIN)	သ	5	7	10	12	
GUN (0.120"X 3.",MIN)	3	6	8	11	14	
GUN (0.131"X 3.",MIN)	ω	Q	7	10	12	
						_

MINIMUM NAIL SPACING DISTANCES

	יות	DISTANCES	
NAIL TYPE	Α	В*	C**
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X 3.", MIN)	"8/7	1 5/8"	2"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"
16d BOX (0.135"X 3.5", MIN)	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X 4.", MIN)	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X 2.5", MIN)	7/8"	1.5/8"	స్త
10d COMMON (0.148"X 3.", MIN)	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X 3.25", MIN)	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X 3.5", MIN)	1,	2,	2 1/2"
GUN (0.120"X 2.5", MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 2.5", MIN)	7/8"	1 5/8"	2,
GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	ູຄູ

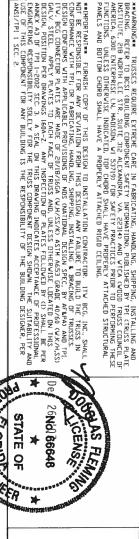
THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

DRWG DATE

CNBRGBLK0207 2/23/07

BEARING BLOCK

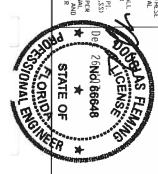
SJP/KAR



WITTER FURNISH FURNISH CORPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. TITY BCG, INC., SHALL NIT BE RESPONSIBLE FOR ANY DEPINATION FORM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN DESIGN CONFIDENCE WITH THE TOP TABERCATUG, MANUAL INC., SHEPPING, MISTALLING. BRACKING OF TRUSSES. DESIGN CONFIDENCY WITH APPLICABLE PROVISIONS OF MIS GNATIONAL DESIGN SECT. BY ATLAY AND THE TOP TOWNER OF THE SECT. BY ATLAY AND THE PER SECT. BY ATLAY AND THE SECT. BY SHALL BE PER AND AND THE SECT. BY ATLAY AND THE SECT. BY SHALL BE PER AND AND THE SECT. BY ATLAY AND THE SECT. BY SHALL BE PER AND AND THE SECT. BY SHALL BE PER AND THE SECT. BY SHALL BE PER BY SHALL	THE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN TO INSTALLATION CONTRACTOR. THE FRUSS IN MCTRAMICE WITH THE PROPERTY OF ANY DEVIATION FROM THIS DESIGN, ANY FAILLING TO BRUILD THE TRUSS IN MCTRAMICE WITH THE DESIGN AND THE SUBJECT THE TRUSS IN MCTRAMICE WITH THE DESIGN AND THE SUBJECT THE SERVE AND THE SEGMENT OF THE SERVE AND THE SEGMENT OF THE S
	0

ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA

ALPINE





Load Short Form Entire House

Touchstone Heating and Air, Inc.

Job: Cottonwood model

Date: Dec 21, 2007

By: ell

P.O. Box 327, Lake Butler, FI 32054 Phone: 386-496-3467 Fax: 386-498-3147

Project Information

For: Cason Construction 32026

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

HEATING EQUIPMENT

COOLING EQUIPMENT

Make Trane Trade XB13 Weathertron Model 2TWB3024A1			Cond 2TWB	Weathertron 3024A1 81S3+*UY080R9V3	
Efficiency	8 HSPF		Efficiency	13.3 SEER	
Heating input			Sensible cooling	15960	Btuh
Heating output	20000	Btuh @ 47°F	Latent cooling	6840	Btuh
Temperature rise	24	'F	Total cooling	22800	Btuh
Actual air flow	760	cfm	Actual air flow	760	cfm
Air flow factor	0.034	cfm/Btuh	Air flow factor	0.048	
Static pressure	0.00	in H2O	Static pressure		in H2O
Space thermostat			Load sensible heat	ratio 0.84	

ROOM NAME	Area	Htg load	Cig load	Htg AVF	Clg AVF
	(ft²)	(Btuh)	(Btuh)	(cfm)	(cfm)
Master Bath Master Suite WIC Laundry Family Room Kitchen/Dining Foyer BR 3	77	2142	1186	73	57
	182	2253	1280	76	61
	42	691	253	23	12
	78	96	192	3	9
	369	3886	2457	132	118
	224	4640	3876	157	186
	77	1307	770	44	37
	134	1937	997	66	48
BR 2 Bath	177 45	4015 1446	1576 3262	136	76 156

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

2007-000-21 13:42 54

Page 1

Entire House Other equip loads Equip. @ 097 RSM Latent cooling	1404	22413 973	15848 473 15831 3108	760	760
TOTALS	1404	23386	18939	760	760

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

Wnghtsoft Right-Suite Residential 6.0.90 R6R25972

ACCA C:Wy DocumentalWrightsoft HVAC(Cason)Contonwood Model.mp Calc = MJ8 Orientation = N

2007-Dec-21 13:42:54



Duct System Summary Entire House

Touchstone Heating and Air, Inc.

Job: Cottonwood model Date: Dec 21, 2007

By: ell

P.O. Box 327, Lake Busler, Fl 32054 Phone: 355-496-3467 Fax: 388-496-3147

Project Information

For: Cas

Cason Construction

32026

Heating Cooling External static pressure 0.00 in H2O 0.00 in H2O Pressure losses 0.15 in H2O 0.15 in H2O Available static pressure -0.1 in H2O -0.07 / -0.07 in H2O 0.880 in/100ft -0.1 in H2O Supply / return available pressure -0.07 / -0.07 in H2O Lowest friction rate 0.880 in/100ft Actual air flow 780 cfm 760 cfm Total effective length (TEL) 0 ft

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Cig (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Mati	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Mester Bath Mester Suite WIC Laundry Family Room Kilchen/Dining Foyer BR 3 BR 2 Beth	hhhohohhho	2142 2253 691 192 3886 3876 1307 1937 4015 3262	73 76 23 3 132 157 44 66 136 49	57 61 12 9 118 186 37 48 76 156	0.880 0.880 0.880 0.880 0.880 0.880 0.880 0.880	5544784577	0x 0 0x 0 0x 0 0x 0 0x 0 0x 0 0x 0 0x 0	VIFX VIFX VIFX VIFX VIFX VIFX VIFX VIFX	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSiz	e	Stud/Joist Opening (in)	Duct Mati	Trunk
rb1	0x 0	760	760	0.0	0.880	544	16	0x	0		VIFx	

Bold/Italic values have been manually overridden

2007-Dec-21 13:42:64

Page 1

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Green Acres, Plat: , , FL, 32024- PERMIT #:

	Ε	BASE						Α	S-BUI	LT		
WATER HEA Number of Bedrooms	TING X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	х	Tank X Ratio	Multiplier	X Credit Multiplie	
3		2635.00		7905.0	80.0	0.92	3		1.00	2635.00	1.00	7905.0
					As-Built To	otai:						7905.0

CODE COMPLIANCE STATUS											
	BA	SE						AS	-BUILT		· ·
Cooling Points	+ Heating Points	+ Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
5665	7571	7905		21141	4693		6806		7905		19404

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Green Acres, Plat: , , FL, 32024- 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.	OHLOR
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.	İ
		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 cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	OHLON
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.1

The higher the score, the more efficient the home.

Spec House, Lot: 1, Sub: Green Acres, Plat: , , FL, 32024-

1. 2. 3.	New construction or existing Single family or multi-family Number of units, if multi-family	New Single family 1		Cooling systems a. Central Unit	Cap: 36.0 kBtu/hr SEER: 13.00
	Number of Bedrooms	3	_	b. N/A	_
	Is this a worst case?	No	_		700
	Conditioned floor area (ft²)	1420 ft²	_	c. N/A	_
	Glass type 1 and area: (Label reqd.				_
a.	U-factor:	Description Area	1.	3. Heating systems	
b.	(or Single or Double DEFAULT) SHGC:		_	a. Electric Heat Pump	Cap: 36.0 kBtu/hr HSPF: 7.70
	(or Clear or Tint DEFAULT)	7b. (Clear) 165.3 ft^2	_	b. N/A	_
	Floor types	D 00 1880() 0			
	Slab-On-Grade Edge Insulation N/A	R=0.0, 175.0(p) ft	_	c. N/A	-
	N/A			A . II-4	-
	Wall types		— 1 ⁴	Hot water systems a. Electric Resistance	Cap: 80.0 gallons
	Frame, Wood, Exterior	R=13.0, 998.7 ft ²		a. Liectife Resistance	EF: 0.92
	Frame, Wood, Exterior	R=13.0, 198.0 ft ²	_	b. N/A	Li. 0.92
	N/A		_		_
d.	N/A		_	c. Conservation credits	_
e.	N/A			(HR-Heat recovery, Solar	_
10.	Ceiling types		_	DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 1600.0 ft ²	15	5. HVAC credits	PT,
b. 1	N/A		_	(CF-Ceiling fan, CV-Cross ventilation	
	N/A		_	HF-Whole house fan,	
	Ducts(Leak Free)			PT-Programmable Thermostat,	
	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	_	MZ-C-Multizone cooling,	
b. 1	N/A		_	MZ-H-Multizone heating)	
Cons in thi based Build	rify that this home has complice truction through the above ends home before final inspection on installed Code compliant ler Signature:	ergy saving features which n. Otherwise, a new EPL I features.	n will be i Display C	installed (or exceeded)	CARLAT SOLVENT
Addr	ess of New Home:		City/FL	Zip:	GOD WE TRUST
*NO	TE: The home's estimated ene	rgy performance score is	onlv avai	ilable through the FLA/RES compu	ter program.

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

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4. EnergyGauge® (Version: FLRCPB v4.5.2)

Energy Code Compliance

Duct System Performance Report

Project Name:

Climate Zone:

Cason Construction - Cottonwood Model

Builder: Nathan Peterson Const.

Address:

City, State: Owner:

. FL 32024-

Spec House

North

Permitting Office: Permit Number: Jurisdiction Number:

Total Duct System Leakage Test Results

CFM	CFM25 Total Duct Leakage Test Values							
Line	System	Duct Leakage Total	Duct Leakage to Outdoors					
1	System1	cfm25(tot)	cfm25(out)					
2	System2	cfm25(tot)	cfm25(out)					
3	System3	cfm25(tot)	cfm25(out)					
4	System4	cfm25(tot)	cfm25(out)					
5	Total House Duct System Leakage	Sum lines 1-4 Divide by (Total Conditioned Floor Area) =(Q _n ,tot) Receive credit if Q _n ,tot≤ 0.03	Sum lines 1-4					

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: ____ Printed Name: _____ Florida Rater Certification #: DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: http://energygauge.com/search.htp



BUILDING OFFICIAL: _____ DATE:

Residential System Sizing Calculation

Spec House

Summary Project Title:

, FL 32024-

Cason Construction - Cottonwood Model

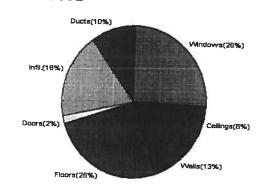
Code Only Professional Version Climate: North

Location for weather data: Gaine	eville Det	ioulton Latin	1 (00)	<u>1/2/2</u> 008	
) Outdoor	wet bulb /7	ude(29) Altitude(152 ft.) Temp Ran	ge(M)	
Winter design temperature	33	F Wet build (7	7F) Humidity difference(54gr.)		
Winter setpoint	70	•	Summer design temperature	92	F
Winter temperature difference	37		Summer setpoint	75	F
Total heating load calculation	30162		Summer temperature difference	17	F
Submitted heating capacity	% of calc		Total cooling load calculation	37891	Btuh
Total (Electric Heat Pump)		36000	Submitted cooling capacity	% of calc	Btuh
Heat Pump + Auxiliary(0.0kW)			Sensible (SHR = 0.75)	87.9	27000
i iskinary(o,okvv)	119.4	36000	Latent	125.6	9000
			Total (Electric Heat Pump)		36000

WINTER CALCULATIONS

Winter Heating Load (for 1420 sqft)

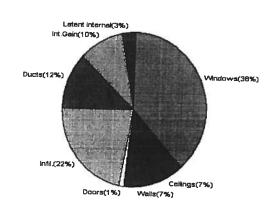
Г	toda (10	1420 SQIL			
ļ	Load component			Load	
- 1	Window total	165	sqft	7767	Btuh
- [Wall total	1197	sqft	3930	
-	Door total	38	saft		Btuh
1	Ceiling total	1600	•	492	Btuh
- 1	Floor total		sqft	1885	Btuh
- 1	Infiltration	175	sqft	7641	Btuh
- [133	cfm	5368	Btuh
- 1	Duct loss		i	3078	Btuh
- 1	Subtotal		- 1	30162	Btuh
1	Ventilation	0	cfm	0	Btuh
Ŀ	TOTAL HEAT LOSS	_		30162	
				30102	_Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1420 sqft)

London				
Load component			Load	
Window total	165	sqft	14455	Btuh
Wall total	1197	sqft	2496	Btuh
Door total	38	sqft	372	Btuh
Ceiling total	1600	sqft	2650	Btuh
Floor total		- 41.1	0	Btuh
Infiltration	151	cfm	2819	Btuh
Internal gain		0	3780	
Duct gain		- 1	4153	Btuh
Sens. Ventilation	0	cfm	_	Btuh
Total sensible gain	U		0	Btuh
Latent gain(ducts)			30725	Btuh
		ŀ	431	Btuh
Latent gain(infiltration)			5535	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupa	nts/other)	1200	Btuh
Total latent gain			7166	Btuh
TOTAL HEAT GAIN			37891	Btuh



Version 8 For Florida residences only EnergyGauge® System Siz PREPARED BY: DATE:

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

, FL 32024-

Project Title: Cason Construction - Cottonwood Model

Code Only Professional Version

Climate: North

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

1/2/2008

Component	Loads	for	Whole	House	

Window	Panes/SHGC/Frame/U	Orientation	Aron/o-fly y		
1	1, Clear, Metal, 1.27	W	Area(sqft) X	HTM=	Load
2	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btu
3	1, Clear, Metal, 1.27	N	60.0	47.0	2819 Btu
4	1, Clear, Metal, 1.27	E	6.0	47.0	282 Btu
5	1, Clear, Metal, 1.27	E	13.3	47.0	625 Btu
6	1, Clear, Metal, 1.27	E	15.0	47.0	705 Btu
7	1, Clear, Metal, 1.27		15.0	47.0	705 Btul
8	1, Clear, Metal, 1.27	S	4.0	47.0	188 Btul
	Window Total	S	12.0	47.0	564 Btul
Walls	Type	D14.1	165(sqft)		7767 Btul
1	Frame - Wood - Ext(0.09)	R-Value	Area X	HTM=	Load
2	Frame - Wood - Ext(0.09)	13.0	999	3.3	3280 Btuh
_	Frame - Wood - Ext(0.09) Wall Total	13.0	198	3.3	650 Btuh
Doors	Type		1197	_	3930 Btuh
1	Insulated - Exterior		Area X	HTM=	Load
2	insulated - Exterior		20	12.9	259 Btuh
4-	Insulated - Adjacent		18	12.9	233 Btuh
Ceilings	Door Total		38		492Btuh
1	Type/Color/Surface	R-Value	Area X	HTM=	Load
r	Vented Attic/D/Shin	30.0	1600	1.2	1885 Btuh
Floors	Ceiling Total		1600		1885Btuh
· -	Туре	R-Value	Size X	HTM=	
1	Slab On Grade	0	175.0 ft(p)	43.7	Load
	Floor Total		175	70.7	7641 Btuh
					7641 Btuh
			Envelope Sul	ototal:	21715 Btuh
Infiltration	Туре				217 13 Bluff
	Natural	ACH X Volum	e(cuft) walls(sqft)	CFM=	
	INACUIAI	0.70 1	1360 1197	132.5	5368 Btuh
Ductload			(DL	M of 0.114)	3078 Btuh
II Zones		30162 Btuh			

Manual J Winter Calculations

Residential Load - Component Details (continued)
Project Title: Cod

Spec House

, FL 32024-

Cason Construction - Cottonwood Model

Code Only Professional Version Climate: North

1/2/2008

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	30162 Btuh 0 Btuh 30162 Btuh
EQUIPMENT		

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint) (Frame types - metal, wood or insulated metal) (U - Window U-Factor or 'DEF' for default) (HTM - ManualJ Heat Transfer Multiplier) Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



Version 8 For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details
Project Title: Code C

Spec House

, FL 32024-

Cason Construction - Cottonwood Model

Code Only Professional Version Climate: North

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

1/2/2008

Component	Loads	for Zone	#1:	Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	l ac-l
1	1, Clear, Metal, 1.27	W	40.0	47.0	Load
2	1, Clear, Metal, 1.27	W	60.0	47.0	1880 Btu
3	1, Clear, Metal, 1.27	N	6.0	47.0	2819 Btu
4	1, Clear, Metal, 1.27	Ë	13.3	47.0	282 Btu
5	1, Clear, Metal, 1.27	Ē	15.0	47.0	625 Btu
6	1, Clear, Metal, 1.27	Ē	15.0	47.0	705 Btu
7	1, Clear, Metal, 1.27	Š	4.0	47.0	705 Btu
8	1, Clear, Metal, 1.27	S	12.0	47.0	188 Btu
	Window Total	Ü	165(sqft)	47.0	564 Btu
Walls	Туре	R-Value	Area X	HTM=	7767 Btu
1	Frame - Wood - Ext(0.09)	13.0	999		Load
2	Frame - Wood - Ext(0.09)	13.0	198	3.3	3280 Btu
	Wall Total	10.0	1197	3.3	650 Btu
Doors	Type		Area X	1.075.4	3930 Btu
1	Insulated - Exterior		20	HTM=	Load
2	Insulated - Adjacent		20 18	12.9	259 Btul
	Door Total		38	12.9	233 Btul
Ceilings	Type/Color/Surface	R-Value		LITTE	492Btul
1	Vented Attic/D/Shin	30.0	Area X	HTM=	Load
	Ceiling Total	30.0	1600	1.2	1885 Btul
Floors	Туре	R-Value	1600	1177.4	1885Btul
1	Slab On Grade	0	Size X	HTM=	Load
	Floor Total	U	175.0 ft(p)	43.7	7641 Btuh
	Tion Total	· · · · · · · · · · · · · · · · · · ·	175		7641 Btuh
		Zo	ne Envelope Sul	ototal:	21715 Btuh
Infiltration	Туре	ACH X Volum	ne(cuft) walls(sqft)	CFM=	
	Natural		1360 1197	132.5	5368 Btuh
Ductload	Pro. leak free, Supply(R6.0-A	M of 0.114)	3078 Btuh		
one #1		al	30162 Btuh		

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

, FL 32024-

Project Title: Cason Construction - Cottonwood Model

Code Only Professional Version Climate: North

1/2/2008

WHOLE HOUSE TOTAL		
	Subtotal Sensible Ventilation Sensible Total Btuh Loss	30162 Btu 0 Btu 30162 Btu

E	QI	JIF	M	E	VT

1. Electric Heat Pump # 36000 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



Version 8 For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

, FL 32024-

Project Title:

Cason Construction - Cottonwood Model

Code Only Professional Version Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

1/2/2008

Component Loads for Whole House

	Type*		Over	hang	Win	dow Area	a/eaft)	L	ITM		
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross				Unshaded	Load	
1	1, Clear, 1.27, None, N, N	W	11.5f	8ft.	40.0	40.0	0.0	37	Unsnaded 94	1406	D4.1
2	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	37	94	1498	
3	1, Clear, 1.27, None, N, N	N	1.5ft	8ft.	6.0	0.0	6.0	37	37	5643 225	
4	1, Clear, 1.27, None,N,N	E	10.5f	8ft.	13.3	13.3	0.0	37	94	498	
5	1, Clear, 1.27, None,N,N	Е	5.5ft	8ft.	15.0	4.7	10.3	37	94	1145	
6	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411	
7	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	4.0	4.0	0.0	37	43	150	
8	1, Clear, 1.27, None,N,N Excursion	S	1.5ft	8ft.	12.0	12.0	0.0	37	43	449	Btuh
	Window Total				165 (saft)				3437 14455	Btuh
Walls	Туре		R-Va	lue/U	-Value	Area(saft)		нтм	Load	Dluii
1	Frame - Wood - Ext			13.0/	0.09	998			2.1		Btuh
2	Frame - Wood - Ext			13.0/	0.09	198	• •		2.1		Btuh
	Wall Total						7 (sqft)		2.1	_	Btuh
Doors	Туре					Area (НТМ	Load	Diuii
1	Insulated - Exterior					20.			9.8	196	D4. 4
2	Insulated - Adjacent					18.	-		9.8		Btuh Btuh
	Door Total						(sqft)		3.0		Btuh
Ceilings	Type/Color/Surface		R-Val	ue		Area(s			нтм	Load	Dluii
1	Vented Attic/DarkShingle			30.0		1600			1.7	· - ·	Btuh
	Ceiling Total						(sqft)		1.7		
Floors	Туре		R-Val	ue		Size			нтм	2650 Load	Btun
1	Slab On Grade			0.0			(ft(p))				
	Floor Total			0.0					0.0	0	Btuh
						175.0	(sqft)			0	Btuh
						Env	velope S	ubtotal:		19973	Btuh
nfiltration	Туре		AC	H	Volume	(cuft) w	all area(saft)	CFM=	Load	
	SensibleNatural			0.80		11360	1197	-41t/	132.5	2819	Btuh
Internal		0	ccupa	nts		Stuh/occ		Δr	pliance	Load	otun
gain				6	X		4 +		2400		D1 1
										3780	Btuh
						Ser	sible En	velope l	Load:	26572	Btuh
Duct load							(DGM	of 0.156	6)	4153	Btuh
						Sens	ible Loa	d All Z	ones	30725 E	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)
Project Title: Coo

Spec House , FL 32024-

Cason Construction - Cottonwood Model

Code Only Professional Version Climate: North

1/2/2008

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	26572	Btuh
	Sensible Duct Load	9	Btuh
	Total Sensible Zone Loads	1	Btuh
	Sensible ventilation	0	Btuh
	Blower	0	
Whole House	Total sensible gain	30725	
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	ĺ	Btuh
	Latent ventilation gain	0	
	Latent duct gain	431	Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200	[
	Latent other gain	0	Btuh
	Latent total gain	7166	
	TOTAL GAIN	37891	Btuh

EQUIPMENT		
1. Central Unit	#	36000 Btuh

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

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint) (U - Window U-Factor or 'DEF' for default)

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

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

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

(Ornt - compass orientation)



Version 8 For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details
Project Title: Code C

Spec House

, FL 32024-

Cason Construction - Cottonwood Model

Code Only Professional Version Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

1/2/2008

Component Loads for Zone #1: Main

	Type*		Over	hang	Win	dow Area	a/saft)	L	HTM	Lood	
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross					Load	
1	1, Clear, 1.27, None,N,N	W	11.5f	8ft.	40.0	40.0	0.0	Snaded 37	Unshaded		
2	1, Clear, 1.27, None, N, N	W	1.5ft	8ft.	60.0	0.0	60.0	37 37	94 94	1498	
3	1, Clear, 1.27, None, N, N	N	1.5ft	8ft.	6.0	0.0	6.0	37	94 37	5643	
4	1, Clear, 1.27, None, N, N	E	10.5f	8ft.	13.3	13.3	0.0	37	94	225	_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
5	1, Clear, 1.27, None, N, N	E	5.5ft	8ft.	15.0	4.7	10.3	37	94	498	
6	1, Clear, 1.27, None,N,N	Ε	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411	Btuh Btuh
7	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	4.0	4.0	0.0	37	43	150	
8	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	12.0	12.0	0.0	37	43		Btuh
	Window Total				165 (s	saft)	0.0	•	40	11019	
Walls	Туре	'	R-Va	lue/U	-Value	Area	(saft)		НТМ	Load	Diun
1	Frame - Wood - Ext			13.0/		998			2.1		-
2	Frame - Wood - Ext			13.0/		198			2.1	2083	
	Wall Total						7 (sqft)		2.1	2496	Btuh
Doors	Туре					Area			НТМ	Load	Diuii
1	Insulated - Exterior					20			9.8		Divis
2	Insulated - Adjacent					18.	_		9.8		Btuh Btuh
	Door Total						B (sqft)		5.0	372	
Ceilings	Type/Color/Surface		R-Val	lue		Area(нтм	Load	Diun
1	Vented Attic/DarkShingle			30.0		1600			1.7		
	Ceiling Total			50.0					1.7	2650	
Floors	Туре		R-Val			Siz	O (sqft)		нтм	2650	Btuh
1	Slab On Grade		· · · · · ·				-			Load	
·	Floor Total			0.0			5 (ft(p))		0.0	0	Btuh
	1 loor Total					175.0) (sqft)			0 8	Btuh
						Zo	ne Envel	lope Sul	btotal:	16537 E	Btuh
nfiltration			AC	Н	Volume	(cuft) w	all area(saft)	CFM=	Load	
	SensibleNatural			0.80		11360	1197	oqit)	151.5		Divis
internal		0	ccupa			Stuh/occ		Λ.	ppliance		Btuh
gain		Ŭ	-0400	6	X		•	A)	• •	Load	. .
					^				2400	3780	Btuh
						Sei	nsible Er	velope	Load:	23136 E	3tuh
Ouct load	Prop. leak free, Supply(R	6.0-Att	ic), Re	eturn(R6.0-A	ttic)	(1	DGM of	0.156)	3616	Btuh
						,	Sensible	e Zone l	Load	26751 B	tuh

The following window Excursion will be assigned to the system loads.

	Sensible Ex	cursion Load 3974 Btuh
Duct load		537 Btuh
Windows	July excursion for System 1 Excursion	3437 Btuh Subtotal: 3437 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House , FL 32024-

Project Title: Cason Construction - Cottonwood Model

Code Only **Professional Version** Climate: North

1/2/2008

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones Sensible Duct Load	26572 4153	Btuh Btuh
	Total Sensible Zone Loads	30725	
	Sensible ventilation	0	
	Blower	0	Btuh
Whole House	Total sensible gain	30725	Btuh
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	5535	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	431	Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200	Btuh
	Latent other gain	0	Btuh
	Latent total gain	7166	Btuh
	TOTAL GAIN	37891	Btuh

EQUIPMENT		
1. Central Unit	#	36000 Btuh

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

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)

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

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

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

(Ornt - compass orientation)



Version 8 For Florida residences only

Residential Window Diversity

MidSummer

Spec House

, FL 32024-

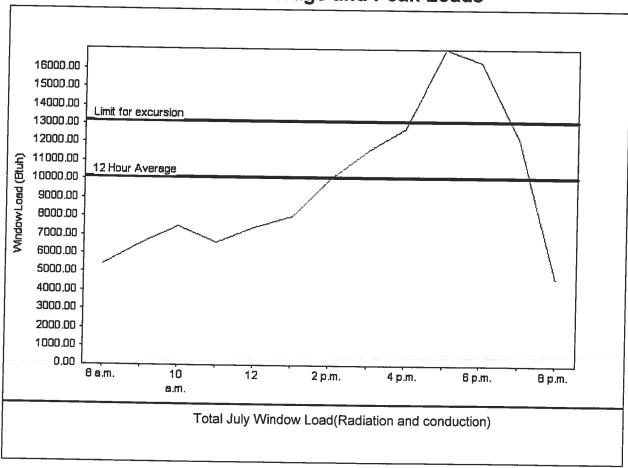
Project Title: Cason Construction - Cottonwood Model

Code Only Professional Version Climate: North

1/2/2008

Weather data for: Gainesville - Defaults				
Summer design temperature	92 F	Average window load for July	10119 Btu	
Summer setpoint	75 F	Peak window load for July	17097 Btu	
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	13154 Btu	
Latitude	29 North	Window excursion (July)	3942 Btuh	

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.





PRODUCT CONTROL NOTICE OF ACCEPTANCE

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

BUILDING CODE COMPLIANCE OFFICE. METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1569 -(305) 375-2901 FAX (305) 375-2908

> CONTRACTOR LICENSING SECTION (305) 375-2527 FAN (305) 375-2558

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

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

Your application for Notice of Acceptance (NOA) of:

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

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

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

ACCEPTANCE NO.: 01-0314.23

EXPIRES: 04/02/2006

Raul Kodriguez

Chief Product Control Division

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

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

Francisco J. Quintana, R.A.

Prancisco | accintesa

Director

Miami-Dade County

Building Code Compliance Office

APPROVED: 06/05/2001

Premdor Entry Systems

ACCEPTANCE No.

01-0314.23

APPROVED

JUN 0 5 2001

EXPIRES

: <u>April 02, 2006</u>

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

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

2. PRODUCT DESCRIPTION

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

3. LIMITATIONS

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

4. INSTALLATION

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

5. LABELING

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

6. BUILDING PERMIT REQUIREMENTS

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

Manuel Perez, P.E. Product Control Examiner

Product Control Division

Premdor Entry Systems

ACCEPTANCE No.

01-0314.23

APPROVED

JUN 0 5-2001

EXPIRES

: <u>April 02, 2006</u>

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.

- 2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
- 3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.

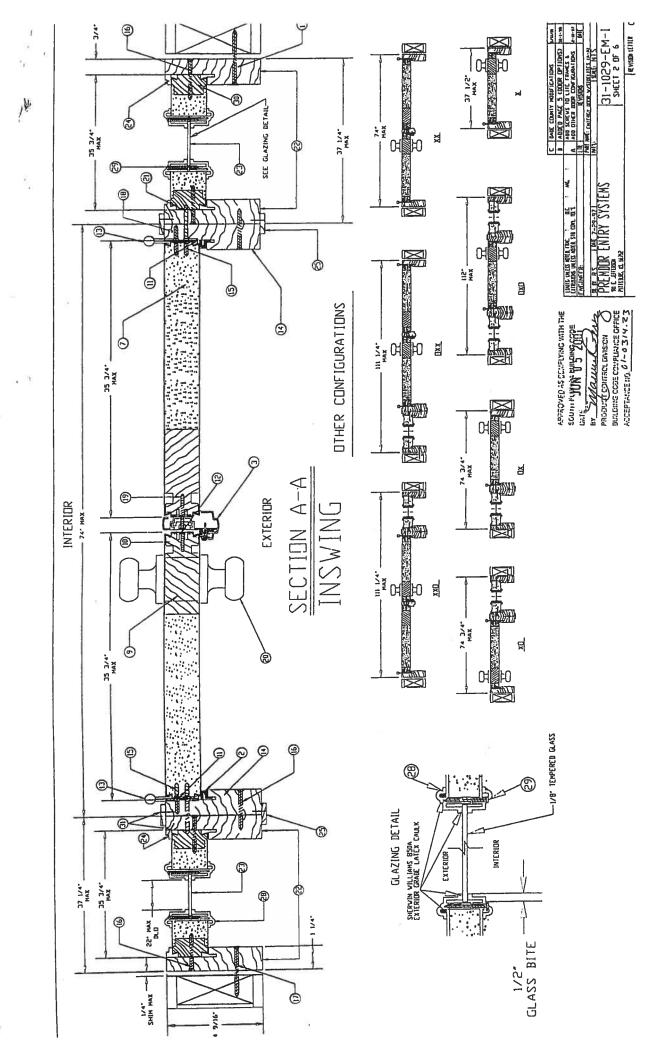
b. The product is no longer the same product (identical) as the one originally approved.

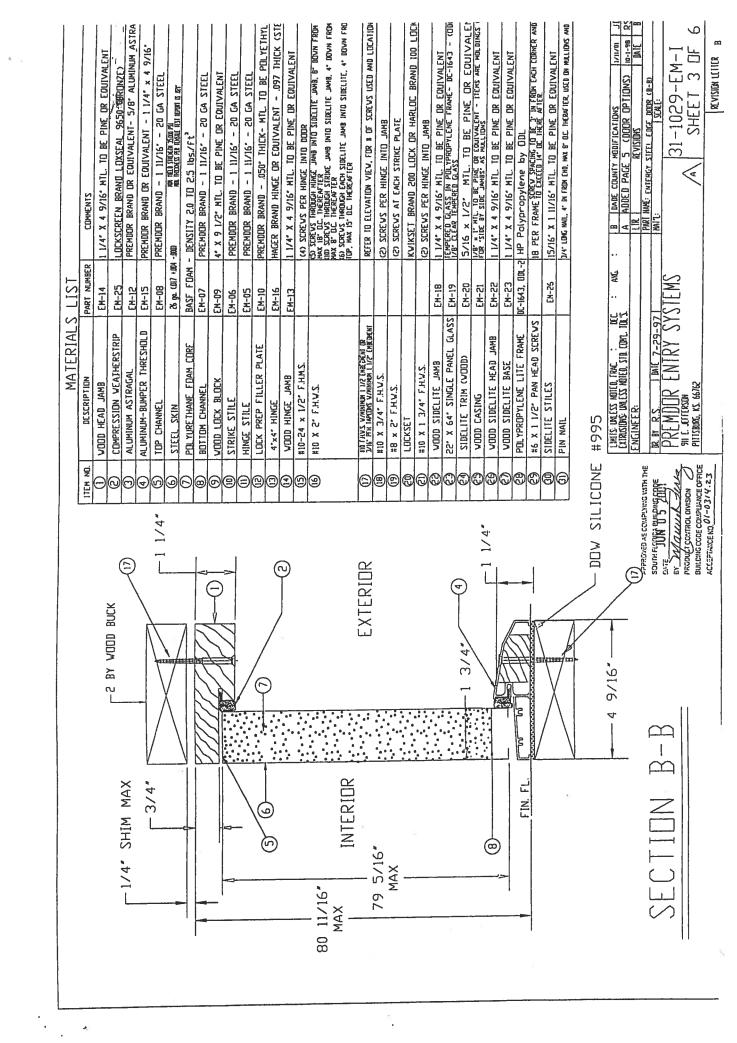
- c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
- d. The engineer who originally prepared, signed and scaled the required documentation initially submitted, is no longer practicing the engineering profession.
- 4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
- 5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
- 6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
- 7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
- 8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
- 9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

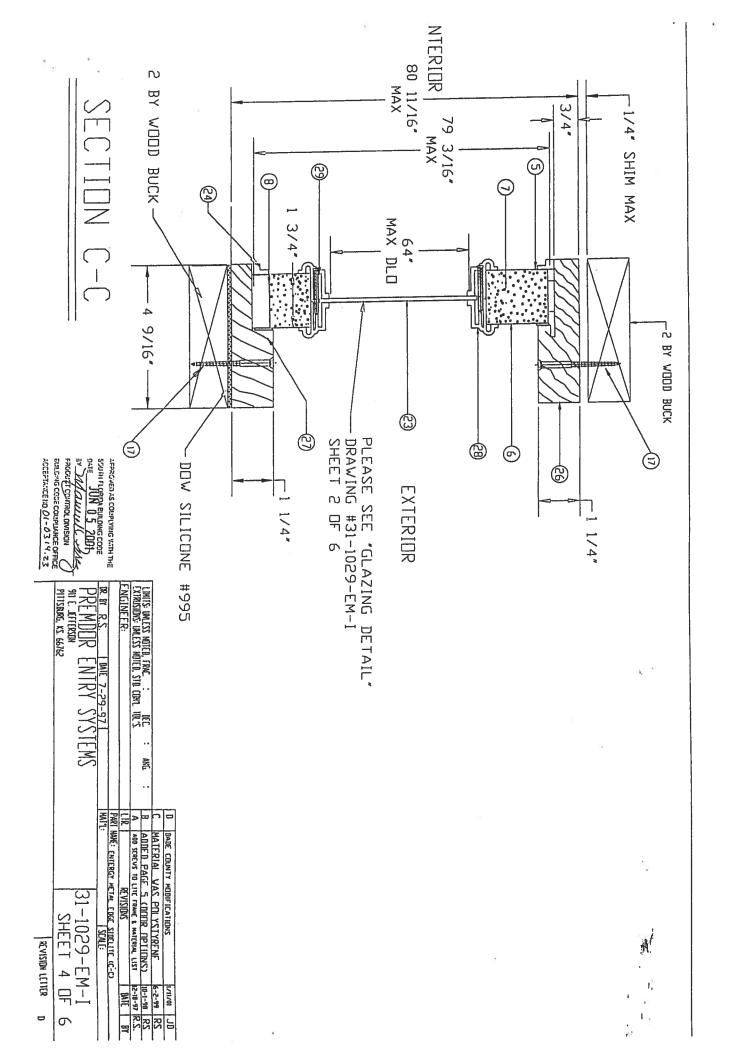
END OF THIS ACCEPTANCE

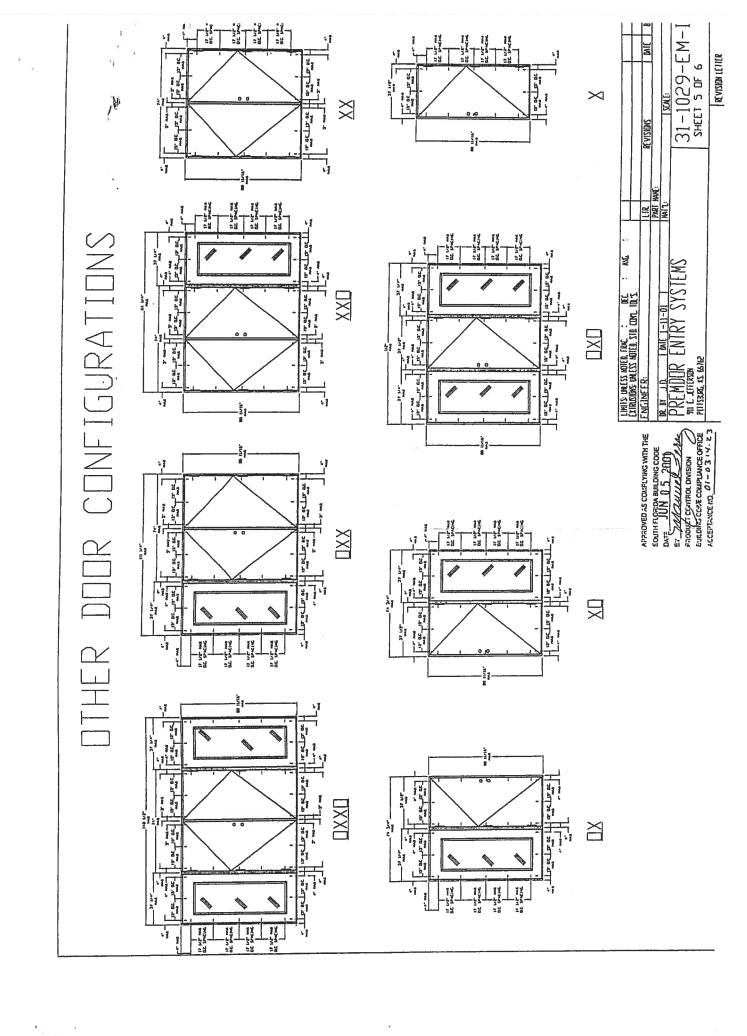
Manuel Perez, P.E., Product Control Examiner

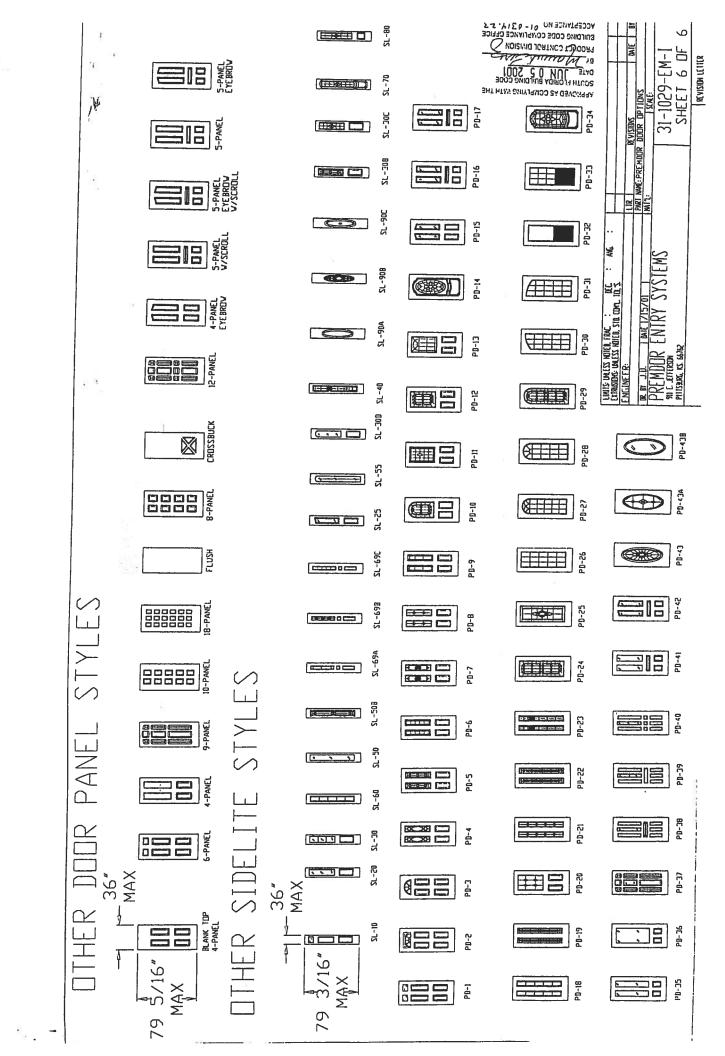
Product Control Division



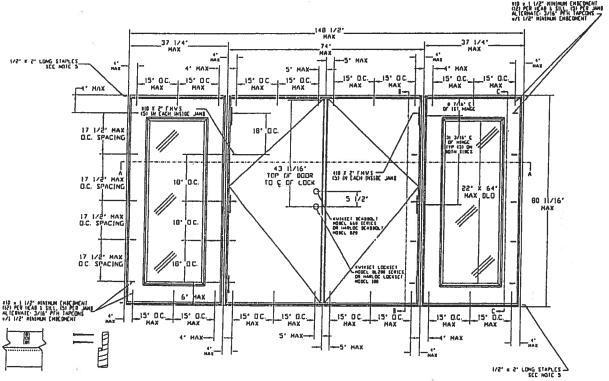








PREMDOR (ENTERGY BRAND) DOUBLE DOOR WITH SIDELITES IN WOOD FRAMES WITH BUMPER THRESHOLD (INSWING)



ATTACH ASTRAGAL THROW BOLT STRIKE PLATE TO THE HEADER FLATHEAD SCREVS .

NOTES:

.) WOOD BUCKS BY OTHERS. MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

THE PRECEDING DRAVINGS ARE INTENDED TO JUALIFY THE FOLLOWING INSTALLATIONS.

). VOOD FRAME CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD IPCNING.

1. MASONRY OR CONCRETE CONSTRUCTION WHERE ICOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY

TRUCTURAL VOOD BUCK.

"MASONRY OR CONCRETE CONSTRUCTION WHERE DORR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE REMASONRY WITH OR WITHOUT A NON-STRUCTURAL INC. BY WOOD BUCK.

I. ALL ANCHORING SCREWS TO BE #10 VITH
INNIMUM 1 1/2' EMBEDMENT INTO VOOD SUBSTRATE IR 3/16' PFH TAPCONS WITH 1 1/2' MINIMUM EMBEDMENT NTO MASONRY.

UNIT MUST BE INSTALLED WITH 'MIAMI-DADE COUNTY

PPROVED' SHUTTERS

THREE STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES

ND DOOR, THREE STAPLES PER JAMB INTO THRESHOLD ON

IDELITES AND DOOR.

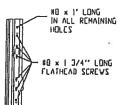
LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE AMBS AND SIDELITES.

. DODR/SIDELITE HEADER, DODR/SIDELITE JAMBS, AND SIDELITE BASE DRNERS ARE COPED AND BUTT JOINED.

I. DODRS SHALL BE PRE-PAINTED VITH A WATER-BASED EPOXY RUST

NHIBITIVE PRIMER PAINT WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.

1. FRAMES SHALL BE PRE-PAINTED WITH AN ACRYLIC LATEX WATER-BASED/ VATER-REDUCIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 12 HIL.



LH. INSVING RH. INSVING

ASTRAGAL

	DESIGN PRESSUR	RATINGS
VIERE VAIER INFILIRATION		VHERE VATER INFILTRATION REQUIREMENT IS NOT NEEDED
Positive	NOT APPROVED *	+55.0 psf
Nego tive	NOT APPROVED *	-55.0 osf

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE JUN 0 5 2001 BY Minuel Tere PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 01-0314, 23

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

	C DADE COUNTY HOBIFICATIONS 11 1/1/100 JO	
LINITS UNLESS NOTCO, FRAC. : DEC. : ANG. : EXTRASHONS UNLESS NOTCO, STO. CONT. ITL'S.	8 ADDED PAGE 5 (DOOR OPTIONS) 18-1-98 RS	
EXHABITING CHEETZ MOTER THE CONT. HE Z.	A AND OTHER DOOR CONFIGURATIONS 12/18/97 R	5
ENGINEER:	LTR REVISIONS BATE IN	_
	PART HAVE: THICKEY OCTAL CICCI MILES MINE WITH WITHOUTER &	_
DR BY R.S. DAIL 7-29-97	MAI'L: SCALC: N.T.S.	_
PREMOUR ENTRY SYSTEMS	31-1029-EM-I	
FILLS CALLED TO SEASON TO	SHEET 1 OF 6	



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

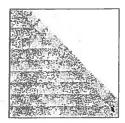
* As per the Elk Limited Warranty, six nails are required for the Elk high wind warranty.

If there are any questions please contact:

Mike Reed - Technical Manager (205) 342-0287

Daniel DeJamette - QA Engineer or (205) 342-0298

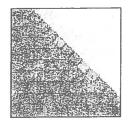
ROOFING PRODUCTS SPECIFICATIONS - TUSCALOOSA, AL



第二人

1

PRESTIQUE® HIGH DEFINITION®



RAISED PROFILE™

President Flus High Definition and President Geology Collection

Product size 13%"x 39 %"
Exposure 5%"
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*, Product size 13%"x 38%"

Raised Profile

Exposure 5%"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

30-year limited warranty period: non-protated 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 13%"x 39%"
Exposure 5%"
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*.

HIP AND RIDGE SHINGLES

Soul-A-Ridge to FLX Size: 12"x 12"

Exposure: 6%"
Pieces/Bundle: 45

Coverage: 4 Bundles = 100 linear feet

Prosting to High Definition

Product size 13%"x 38%" Exposure 5%" 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".

Elik 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 piles of underlayment overlapped a minimum of 19°. Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

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

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

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

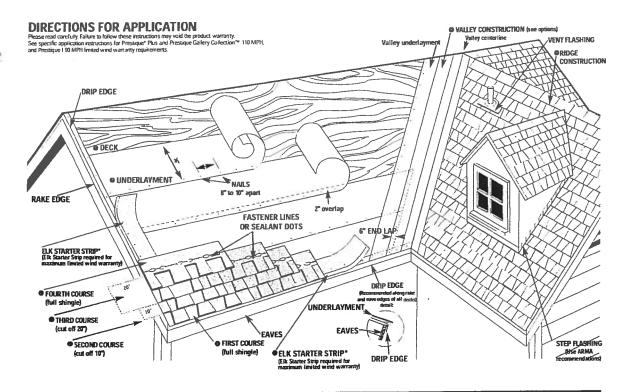
For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

SOUTHEAST & ATLANTIC OFFICE: 800.945.5551

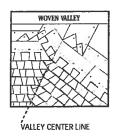
CORPORATE HEADQUARTERS: 800.354.7732

PLANT LOCATION: 800.945.5545

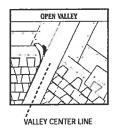




● VALLEY CONSTRUCTION OPTION (California Open and California Closed are also acceptable) NOTE: For complete ARMA valley installation details, see ARMA Residential Asphalt Roofing Manual







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 Dia accept application requirements that are less than those printed here. Shringes should not be jammed tiplity together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shringe.

O 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" chipboard.

@ UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Cover drip edge at eaves only. For low slope (2/12 up to 4/12), completely cover the deck with two piles of underlayment overlapping a minimum of 19°. Begin by fastering 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 left underlayment extending from the eave edge to a point at least 25 beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

The river of a part of the river of a part of a phalt plastic cement between the two piles of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

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

STARTER SHINGLE COURSE

USE AN ELK SHARKEL COURSE

USEAN ELK STARTES 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 root.

9 FIRST COURSE

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

6 SECOND COURSE

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

@ THIRD COURSE

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

FOURTH COURSE

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

FIFTH AND SUCCEEDING COURSES.

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

O VALLEY CONSTRUCTION

Open, wowen and dosed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures, for metal valleys, use 35 wide vertical underlayment prior to applying 16" metal flashing (secure edge with nails). No nails are to be within 16" of valley center.

9 REDGE CONSTRUCTION

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

FASTENERS

FASTEMENS
While nailing is the preferred method for Elk shingles, Elk will
accept fastering 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 fine with
sealant dots.

sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Eik 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" fing stank nails are allowed to be used from the eave's edge to a point up the roof this past the outside wall lime. "I ring shark 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.

Fasterners should be loon enough to obtain 3/4" deck penetration

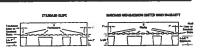
Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less.

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 trickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

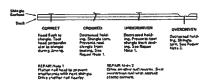
LIMITED WIND WARRANTY

- For a Limited Wind Warramy, all Prestique and Raised Profile³⁴ shingles must be applied with 4 property placed fasteners, or in the case of mansard applications, 6 property placed fasteners estimate. per shinale
- per shingle. For a Limited Wind Warramty 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 WAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED MYMD 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 Tastener line of on products without fastener lines, nall 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 Prestigue 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 smilight until applied. Do NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

2002 Elk Corporation of Dallas.

All trademarks, 9 are registered trademarks of Elk Corporation of Dallas, an ILCOR company, Raised Profile, RidgoCres, Gallery Collection and FLX are trademarks pending registration of Dis Corporation of Dis Corporation of Discourance and Corporation of Discourance and Underwriters Laboratories, Inc.







10. 0111



BCIS Home | Log In | Hot Topics | Submit Surcharge | Stats & Facts | Publications | FBC Staff | B



<u>Product Approval Menu > Product or Application Search > Application List > Application Detail</u>

1	P 43 11	AFTER	- C	Part of the state
14			1 J Y	PLANNING

HOUSING & COMMUNITY GEVELOPMENT

CONTROL OF STATE OF S

*EMERGENCY MANAGEMENT

DEFICE OF THE SECRETARY

MARKERINES MARKENES

FL#

Application Type Code Version

Application Status

Comments

Archived

Product Manufacturer

Address/Phone/Email

Authorized Signature

Technical Representative Address/Phone/Email

FL1476-R2

Revision 2004

Approved

2

Elk Corporation

4600 Stillman Bivd. Tuscaloosa, AL 35401 (205) 342-0298

daniel.dejarnette@elkcorp.com

Daniel DeJarnette

daniel.dejarnette@elkcorp.com

Daniel DeJarnette 4600 Stillman Blvd

Tuscaloosa, AL 35401 (205) 342-0298

daniel.dejarnette@elkcorp.com

Quality Assurance Representative Address/Phone/Email

Category

Subcategory

Roofing

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

FL#	Model, Number or Name	Description
1476.1	Elk Prestique Shingles	Laminated Asphalt Shing
Limits of Use (See Other)		Certification Agency Certification 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
487-1824, Suncom 277-1824, Fax (850) 414-8436

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

2000-2005 The State of Florida. All rights reserved. Copyright and Disci
Product Approval Accepts:











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 Pump25 Gallons Per MinuteVoltage: 240Phase: (Single) 1

TANK

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

ERTIFIED ESTING ABORATORIES

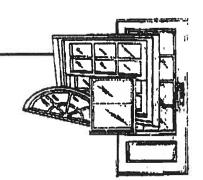
Architectural Division • 7252 Narcoossee Rd. • Orlando, Pl. 32822 (407) 384-7744 • Fax (407) 384-7751

Web Site: www.ttlarch.com

E-mail: ctlarch.com

Report Number: Report Date:

CTLA-991 W-1-AWT



STRUCTURAL PERFORMANCE TEST REPORT

Client:

ACTION WINDOOR TECHNOLOGY INC

1312 W. CROSBY ROAD CARROLLTON, TX 75006

Product Type and Series:

AWT Series 3950 Vinyl Fin Frame Single Hung Window with

Reinforced Sash Top Rail, Stiles & Meeting Rail H-R40 (36"x 72")

Test Specifications:

AAMA/NWWDA 101/I.S.2-97 "Voluntary Specifications for Aluminum, Vinyl (PVC):

and Wood Windows and Glass Doors"

Frame:

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

SCIEW.

Ventilator:

Operable sash measured 33.375" wide x 35.25" high overall. Mittered corner weld construction. Clear like measured 31.5625" high x 33.5625" high. Fixed lite measured

·32.50" wide x 33.4375"high.

Weather Stripping:

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

weatherstrip sash bottom rail.

Hardware & Location: Two (2) metallic sweep locks located on sash top rail approx 8" from each end of

rail, Two (2) metallic keepers located on fixed meeting rail. One (1) tilt latch at each end of sash top rail. One (1) block and tackle at each frame jamb. One (1) pivot bar at each end

of sash bottom rail.

Glazing:

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

Sealant:

'A silicone type scalant was used on sill and to seal specimen to test buck.

Weep System:

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

Muntins:

N/A

Reinforcement:

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

iongu

Page 2 of 3 Report #: Action:Windoor Technology Inc.

CTLA=99TW-1-AWT

Additional Description:

N/A

Screen:

Installation:

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

Twenty-six (26) 1.75" roofing nails were used to secure the specimen to the wood test buck. Five (5) were located in head and sill measuring 4", 13", 21", 29", and 33" from

left jamb. Eight (8) were located in each jamb measuring 4.50", 14.25", 24", 32.75", 42",

57.25", 60.50" and 70" from sill.

Surface Finish:

White Vinyl

Comment:

Nominal 2 mil polyethylene film was used to seal against air leakage during structural loads. The

film was used in a manner that did not influence the test results

Performance Test Results

Paragraph No 2.1.2	Title of Test Air Indistration @1.57 psf	Method ASTM E283-91	Measured ,18 cfm/ft²	Allowed .34 cfm/ft²
* :	The rested specimen more 101/1:S:2-97. Results rec Unit tested with shims in	ets or exceeds the performance levels specorded in two (2) decimals at the clients ustalled under cam locks.	ecified in AAMA request.	NWWDA
2.1.3	Water Resistance @ 5.0 gph/ft ²	ASTM E547-93 Four (4) five (5) minute cycles	No Entry	No Entry
•	WTP= 6:75 psf	ASTM E331-93 Fifteen (15) minute duration	No Entry	No Entry
	Unit lested with insect s	creen.		
2.1.3	Water Resistance @ 5.0 gph/ft²	ASTM E547-93 Four (4) five (5) minute cycles	No Entry	No Entry
	WTP=6 psf	ASTM E331-93 Fifteen (15) minute duration	No Entry	No Entry
	Unit tested without inser	ct screen.		
2.1.4.2	Uniform Load Structura Permanent Deformation @ 60 psf positive @ 60 psf negative		.015" .005"	134" 134"
2.1.8	Forced Entry Resistance Test A Test B Test C	AAMA 1302.5-76	0" 0" 0"	1/2" 1/2" 1/2"
	Tost D, E and F Test G		0" 0"	1/2" 1/2"

Action, Windoor Technology Inc.

CTLA-991W-1-AWT

Performance Test Results (continued)

Parseraph No		Method AAMA/NWWDA 101/I.S.2-97	Measured	Allowed
2,2,2,5.1	Operating Force Sash		18 lbs.	30 lbs.
2.2.2.5.2	Deglazing Top Rail 70 Bottom Rail 70 Left Side 50 Right-Side 50	95. S.	.039" = 7.8% .038" = 7.6% .050" = 10% .035" = 7.0%	<100% <100%
2.1.7	Weided Corner Test	AAMA/NWWDA 101/ IS2-97	Passe	ed -

Test Date

November 21, 2002

Test Completion Date:

November 21, 2002

Remarks:

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

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

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

Certified Testing Laboratories, Inc.

James W. Blakely 'Vice President

Architectural Division

Action Windoor Technology Inc. CC: (1)

(3)

ERTIFIED ESTING **ABORATORIES**

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

(407) 384-7744 • Fax (407) 384-7751

Web Site: www.ctlarch.com

E-mail: ctlarch.com

Report Number:

CTLA-1038W-AWT

Report Date:

February 19, 2003



Client:

ACTION WINDOOR TECHNOLOGY INC.

1312 W. CROSBY ROAD CARROLLTON, TX 75006

AWT Series 3950 Vinyl Fin Frame Single Hung Window with Product Type and Series:

Transom and Reinforced Meeting Rail & Top Rail (36"x 72") Design

Pressure 45

Test Specifications:

ASTM E 283-91 "Test Method for Determining the Rate of Air Leakage Through

Exterior Windows, Curtain Wails and Doors Under Specified Pressure Differences

Across the Specimen."

ASTM E 547-93 "Test Method for Water Penetration of Exterior Windows, Curtain

Walls and Doors by Uniform Static Air Pressure Difference."

ASTM E 331-93 "Test Method for Water Penetration of Exterior Windows, Curtain

Walls and Doors by Cyclic Static Air Pressure Differential."

ASTM E 330-90 "Test Method for Structural Performance of Exterior Windows, Curtain

Walls and Doors by Uniform Static Air Pressure Difference."

Frame;

Vinyl fin frame measured 35.50" wide x 71.50" high overall, Mitered corner weld

construction. Fixed meeting rail secured to each frame jamb with one (1) #8 x 2" PH., PH, screw. Transom bottom rai! secured to each frame jamb with four (4) #8 x 2" PH.,

PH screws

Ventilator:

Operable sash measured 33,375" wide x 29,25" high overall. Mittered corner weld

construction. Clear lite measured 31,5625" high x 27,5625" high. Fixed lite measured

32.50" wide x 27.4375" high. Transom lite measured 32.50" wide x 8.50" high.

Weather Stripping: One (1) strip of woolpile .220" high with integral plastic fin frame sill. One (1) strip of

woolpile .250" high with integral plastic fin sash top rail exterior. One (1) strip of woolpile .250" high each sash stile exterior leg. One (1) strip of woolpile .250" high with

integral plastic fin each sash stile interior leg. One (1) strip of foam filled bulb

weatherstrip sash bottom rail.

Hardware & Location: Two (2) metallic sweep locks located on sash top rail approx 8" from each end of

rail: One (1) tilt latch at each end of sash top rail. One (1) block and tackle at each frame

jamb. One (1) pivot bar at each end of sash bottom rail.

Glazing:

5/8" insulated annealed glass consisting of 125" glass 375" air space with swiggle 125"

glass. Sash exterior glazed, Fixed and transom lites interior glazed adhesive foam strip

backbedding and vinyl snap in glazing bead.

Page 2 of 3 Report #: Action Windoor Technology Inc.

CTLA-1038W-AWT

Sealant:

A silicone type scalant was used at sill corners and to scal specimen to test buck.

Weep System:

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

Muntins:

'N/A

Reinforcement:

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

Additional Description:

Screen:

Roll formed aluminum frame, fiberglass mesh with vinyl spline. Two (2) metallic retainer

clips and two (2) metallic plungers. Corners secured with plastic corner keys

Installation:

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

51", 60" and 69" from sill.

Surface Finish:

White Vinyl

N/A

Comment:

Nominal 2 mil polyethylene film was used to seal against air leakage during structural

loads. The film was used in a manner that did not influence the test results.

Performance Test Results

Paragraph No 2,1.2	Title of Test Air Infiltration @1.57 psf	Method ASTM E283-91	Measured .28 cfm/N²	Allowed 34 cfm/ft²
	The rested specimen mee 101/1.5.2-97. Results rec	ts or exceeds the performance levels spe orded in two (2) decimals at the clients r	cified in AAMAA equest.	ADWWI
2.1.3	Water Resistance @ 5:0 gph/ft²	ASTM E547-93 Four (4) five (5) minute cycles	No Entry	No Entry
	WTP= 6:75 psf Unit tested with and with	ASTM E331-93 Fifteen (15) minute duration nout insect screen.	No Entry	No Entry
2.1.4.2 DP=+45 DP=-45	Uniform Load Structural Permanent Deformation @ 67.9 psf positive @ 67.5 psf negative	ASTM E330-90 Ten (10) second load	.019" .009"	.142" .142"

Page 3 of 3

Action Windoor Technology Inc. CTLA-1038W-AWT

Test Date

January 27, 2003

Test Completion Date:

January 27, 2003

Remarks:

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

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

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

Certified Testing Laboratories, Inc.

James W. Blakely

Vice President Architectural Division

Action Windoor Technology Inc. CC. (1)

(3)

Report Number: ETC-04-034-14644.0

Test Start Date: 04/10/03 Test Finish Date: 03/16/04

Report Date: 03/18/04 Expiration Date: 03/18/08

Fenestration Structural Test Report Rendered To:

Vinyl Building Products, Inc. One Raritan Road Oakland, NJ 07436

Series/Model

2900 Horizontal Slider (OX)

<u>Description</u>: The product tested was a vinyl Horizontal Sliding window. The test specimen was glazed with 5/8-inch thick insulating glass units constructed with double swength annualed glass. The frame size was 69 inches wide by 48 inches high by 2-3/4 inches deep. See Appendix A.

Test Specification: ANSI/AAMA/NWWDA 101/LS.2

Summary of Results

Overall Design Pressure	35.0 psf		
Air Leakage Rate	0.18 scfm/ft ²		
Maximum Water Pressure Achieved	5.25 psf		
Maximum Structural Pressure Achieved	60.0 psf		
Forced Entry Resistance - (ASTM)	Grade 10		

Product Designation H-R35 69 x 48

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: NONE

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 (BP): 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	Test Pressure The tested spe performance le	t — ASTM E283 - 1.57 psf cimen exceeds the evels specified in NWWDA 101/LS.2 for air infil	0.18 scfm/ft ² tration.	0.30 scfm/ft ²
2.1.3		– 2.86 psf	Pass	No I,eakage
2.1.4.2	Design Pressure Test Pressure Positive Load Negative Load Note: Measur	tural Load - ASTM E330 re - 15.0 psf - 22.5 psf (150% x DP) d - 22.5 psf (150% x DP) rement taken after load The meeting stile	0.033 in. 0,020 in.	0.177 in. 0.177 in.
	Corner Weld Frame - 4 Cor Sashes - 4 Co		l'ass Pass	< 100% < 100%
2.1.8	Forced Entry Lock/Tool Ma Tests Al throu Lock/Tool Ma	igh A7	Pass Pass Pass	No Entry No Entry No Entry
2.2.1.6.1	Operating For Right Sash - C	rce - No Standgrdized Method Open/Closc	18/18 lbf	20 lbf
2.2.1.6.2	Deglazing - A	<u>STM E987</u>		
	Right Sash:	Left Stile - 70 lbf Right Stile - 70 lbf Top Rail - 50 lbf Bottom Rail - 50 lbf	0.0% 0.0% 0.0% 0.0%	<100% <100% <100% <100%

Conditions, Torms, and General Notes Regarding These Tests

The product tested Has Been compared to the detailed grawings, bill of materials and fabrication information supplied by the client so named herein. Our analysis, which includes dimensional and component description comparisons, indicate the tested product and engineering information supplied by the client "Are Equivalent". See Appendix A. The report and representative samples will be retained for four years from the date of initial test.

These test results were obtained by employing all requirements of the designated test methods with no deviations. The test results and specimen supplied for testing are in compliance with the referenced specifications.

The test results are specific to the product tested by this laboratory and of the sample supplied by the client named herein, and they relate to no other product either manufactured by the client, a Fabricator of the client or of installed field performance.

This report does not constitute an AAMA or NWWDA cortified product under the certification programs of these organizations. The program administrator of these programs and organizations may only grant product certification.

ETC Laboratories makes no opinions or endorsements regarding this product and its performance. This report may not be reproduced or quoted in partial form without the expressed written approval of ETC Laboratories.

No conclusions of any kind regarding the adequacy of the glass in the test specimen may be drawn from the test. Procedure "A" in ASTM E330 was used for this test.

ETC Laboratories letters, reports, its name or insignia or mark are for the exclusive use of the client so named herein and any other use is strictly prohibited. The report, letters and the name of ETC Laboratories, its seal or mark shall not be used in any circumstance to the general public or in any advertising.

Limitation of Liability: Due diligence was used in rendering this professional opinion. By acceptance of this report, this client agrees to hold harmless and indemnify ETC Laboratories, its employees and offices and owners against all claims and demands of any kind whatsoever, which arise out of or in any manner connected with the performance of work referred to herein.

FOR ETC LABORATORIES

Mark Schnett

AWS Supervisor

Arthur Murray, VP

Manager, Wind Engineering Laboratory

Optional Performance Tests

The manufacturer specified herein has <u>successfully</u> achieved all the required criteria in Section 2 of the referenced specification for the Gateway size of the achieved Performance Rating and has further <u>successfully</u> 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	<u>Results</u>	Allowed
4.3	Water Resistance - ASTM E547 5 gal/hr-ft² - 4 Test cycles - 24 Minutes Design Pressure - 35.0 psf Test Pressure - 5.25 psf (15% x DP) With and Without Screen	Pass	No Leakage
4.4	Uniform Structural Load - ASTM E330 Design Pressure - 40.0 psf Test Pressure Positive Load - 60.0 psf (150% x DP) Negative Load - 60.0 psf (150% x DP) Note: Measurement taken after load from center of meeting stile	0.069 in. 0.066 in.	0.177 in. 0.177 in.

55:20:01 0000 0110 *FOG ON* II-IS-01 FOGIN ID: 20119EFT

61.70.020 LI/L2/07 14:42:43 0200 0170 GALESMAN#: 000032276 FS66LLS : TI-15-01 LOCIN ID: 2017925 07:66:77 47:36:10

REF#: 632 THOIAH :04\AAJ 2MIBED TCC. 6902530101715404 1210 001264 rcc: PL. 800 BALANCE DUE: PT.80P IMAOICE SOE3S LOLEF: PL.80P FL - COLUMBIA COUNTY TAX: 3,82 FL - STATE TAX: 26.52 : TATOTEUS 382.00 S11040 BRUSHED NICKEL ROMANTUB F 247.00 S23498 1 HANDLE SHOWER STRINLESS 135.00 SYFES #: 80119823 43185

17~15-07



April 8, 2009

Columbia County Building & Zoning 135 NE Hernando Avenue, Suite B21 Lake City, FL 32055

To Whom it May Concern:

Permit number 000026589 expired on 1/08/09. I'd like to request that this permit be reinstated without fees. The reason the home wasn't completed by 1/08/09 is because on August 29, 2009 I was injured in a fire that was there on the property. I was in the hospital and out of work for some time and required surgery. I suffered second and third degree burns from this fire. Even after I was able to go back to work it was difficult to visit this sight after such a terrible experience. Please consider this request. It is greatly appreciated.

Sincerely,

Matthew D. Cason, President

Cason Construction & Development

License # CBC1254765



July 8, 2009

Columbia County Building & Zoning 135 NE Hernando Avenue, Suite B21 Lake City, FL 32055

To Whom it May Concern:

Permit number 000026589 expired on 1/08/09. I'd like to request that this permit be reinstated without fees. The reason the home wasn't completed by 1/08/09 is because on August 29, 2009 I was injured in a fire that was there on the property. I was in the hospital and out of work for some time and required surgery. I suffered second and third degree burns from this fire. Even after I was able to go back to work it was difficult to visit this sight after such a terrible experience. Please consider this request. It is greatly appreciated.

Sincerely,

Matthew D. Cason, President

Cason Construction & Development

License # CBC1254765



October 8, 2009

Columbia County Building & Zoning 135 NE Hernando Avenue, Suite B21 Lake City, FL 32055

To Whom it May Concern:

Permit number 000026589 expired on 1/08/09. I'd like to request that this permit be reinstated without fees. The reason the home wasn't completed by 1/08/09 is because on August 29, 2009 I was injured in a fire that was there on the property. I was in the hospital and out of work for some time and required surgery. I suffered second and third degree burns from this fire. Even after I was able to go back to work it was difficult to visit this sight after such a terrible experience. Please consider this request. It is greatly appreciated.

Sincerely,

Matthew D. Cason, President

Cason Construction & Development

License # CBC1254765



COLUMBIA COUNTY, FLORIDA

partment 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 26-4S-16-03185-051

Use Classification SFD, UTILITY

Building permit No. 000026589

Fire:

44.94

Waste: 117.25

162.19

Date: 03/08/2010

Location:

144 SW ZEBRA TERR., LAKE CITY, FL

Owner of Building CASON CONSTRUCTION

Permit Holder MATT CASON

Building Inspector

POST IN A CONSPICUOUS PLACE (Business Places Only)