D ATE <u> </u>	7/2008This	Columbia C	ounty Bu	ilding Peri	mit ng Cons	truction		PERMIT 000027296
APPLICANT	FREZELL ROW	E	· ·	PHO	NE	386.752.8941		
ADDRESS	140 NW	OOSTERHOUDT ROA	D	LAKE CITY			FL	32055
OWNER	DEBRA D. CAN	ИIEL		PHC	ONE	386.758.919	_	
ADDRESS	1195 SW	CR-242-A		LAKE CITY			FL	32025
CONTRACTO	R FREZELL	ROWE		PHC	ONE	386.752.8941		
LOCATION O	F PROPERTY	41/441-S TO C-13	-S,TL TO C-24-	A, @ CAUTION	LIGHT	TR AND		
		IT'S THE 1ST. HO	ME ON R AFTE	ER SFD ON COR	NER.			
TYPE DEVEL	OPMENT A	DDITION/SFD	EST	IMATED COST (OF CON	STRUCTION	_50	00.000
HEATED FLO	OOR AREA	854.00	TOTAL AREA	1624.00		HEIGHT _	16.00	STORIES 1
FOUNDATIO	N CONC	WALLS FRA	MED RO	OOF PITCH	4'12	F	LOOR	CONC
LAND USE &	ZONING	A-3			MAX.	HEIGHT	35	
Minimum Set	Back Requirments	: STREET-FRONT	30.00	REA	AR _	25.00	SIDE	25.00
NO. EX.D.U.	1	FLOOD ZONE X		DEVELOPMENT	Γ PERM	IT NO.		
PARCEL ID	20-4S-17-08602	-000	SUBDIVISION	YOUNG AC	CRES			
LOT 9	BLOCK 2	PHASE	UNIT _		TOTAL	L ACRES	2.02	
	Sweet Attaching	RG0	019755	1/2	1/1	18		
Culvert Permit	No. Culv	ert Waiver Contracto	r's License Num	ber X	A	pplicant/Own	er/Contra	actor
EXISTING	X-0	8-0242	BLK		W	R		N
Driveway Con	nection Sept	ic Tank Number	LU & Zonin	g checked by	Appr	oved for Issua	nce	New Resident
COMMENTS:	NOC ON FILE	1 FOOT ABOVE ROAI	D.IMPACT FEE	EXEMPT.				
					- 50	Check # or	Cash	499
		FOR BUILDIN	IG & ZONIN	G DEPARTM	IENT	ONLY		(footer/Slab)
Temporary Por	wer	For	indation			Monolithic	2	10
	da	e/app. by		date/app. by				date/app. by
Under slab rou	igh-in plumbing		Slab			Sheathin	g/Nailin	
722 121		date/app. by		date/app. by				date/app. by
Framing	date/app. by	Rough	n-in plumbing ab	ove slab and below	w wood	floor		date/app. by
Electrical rough	- Marie Co. (1977)		& Air Duct		I	Peri. beam (Lii	ntel)	74
	date	/app. by	Second etc	date/app. by			-	date/app. by
Permanent pov	ver	C.O	Final			Culvert		

8.12 SURCHARGE FEE \$ 8.12 CERTIFICATION FEE \$ 250.00 **BUILDING PERMIT FEE \$** FIRE FEE \$ 0.00 WASTE FEE \$ ZONING CERT. FEE \$ 50.00 MISC, FEES \$ 0.00

date/app. by

Pool

date/app. by

Re-roof

Utility Pole

Pump pole

Travel Trailer

FLOOD ZONE FEE \$ 25.00 **CULVERT FEE \$** FLOOD DEVELOPMENT FEE

INSPECTORS OFFICE CLERKS OFFICE

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

date/app. by

Reconnection

M/H Pole

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

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

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

CX#459

Columbia County Building Permit Application

For Office Use Only Application # 0 807-44 Date Received 7//8	By Permit # 27296
Zoning Official Date 18.08.08 Flood Zone Land	Use A· 3 Zoning A- 3
FEMA Map # N/A Elevation NA MFE NFE N/A P	lans Examiner WO Date \$/150K
Comments	
NOC OEH Deed or PA Site Plan State Road Info Parent Parcel #	
Dev Permit # □ In Floodway □ Letter of Auth. from Con	
IMPACT FEES: EMSFireCOTT	RoderCode
Septic Permit No. X-08-0242	Fax Va
Name Authorized Person Signing Permit FREZELL ROWE	Phone 752 - 8941
Address 140 NW OOSTERHOUPT LN, L.C. 7L 32055	4
Owners Name DEBRA D. CAMIEL	Phone 386758-9191
911 Address 1195 SW CR-242-A , LAKE CT9, 763	2025
Contractors Name FREZECT POWE	_ Phone _ 75 2 - 8941
Address 140 NW OOSTERHOUDT LN. L. C. Jr. 3:	2055
Fee Simple Owner Name & Address	
Bonding Co. Name & Address P.O. 80x 1513, L. 9, 9L 3 2056	
Architect/Engineer Name & Address Will HyELS, DEST, SNEY, MAN	ex disosway Ite Lare Grill
Mortgage Lenders Name & Address CASH	3 2015
Circle the correct power company – FL Power & Light – Clay Elec.) – Suw	vannee Valley Elec. – Progress Energy
Property ID Number 20-45-17-08602-000 Estimated Cost	t of Construction 50,000.
Subdivision Name Young ACRES ESTATES Lot	
Driving Directions 41/441-5 TO C-131-5, TL TO C-242-1	A D Crution Light, Te
AND IT'S the 1st home on R after corner	570,
Number of Exist	ing Dwellings on Property
	otal Acreage 202 Lot Size
Do you need a - <u>Culvert Permit</u> or <u>Culvert Waiver</u> of <u>Have an Existing Drive</u>	Total Building Height 14.00
Actual Distance of Structure from Property Lines - Front 400' Side 35	1' Side 350' Regr 600
Number of Stories Heated Floor Area	1624 Roof Pitch 4'12
Application is hereby made to obtain a permit to do work and installations as installation has commenced prior to the issuance of a permit and that all work	

of all laws regulating construction in this jurisdiction. Page 1 of 2 (Both Pages must be submitted together.)

The collect - CEH NEW IN Revised 1-10-08

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

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:

- Det

<u>YOU ARE HEREBY NOTIFIED</u> 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.

<u>WARNING TO OWNER:</u> 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.

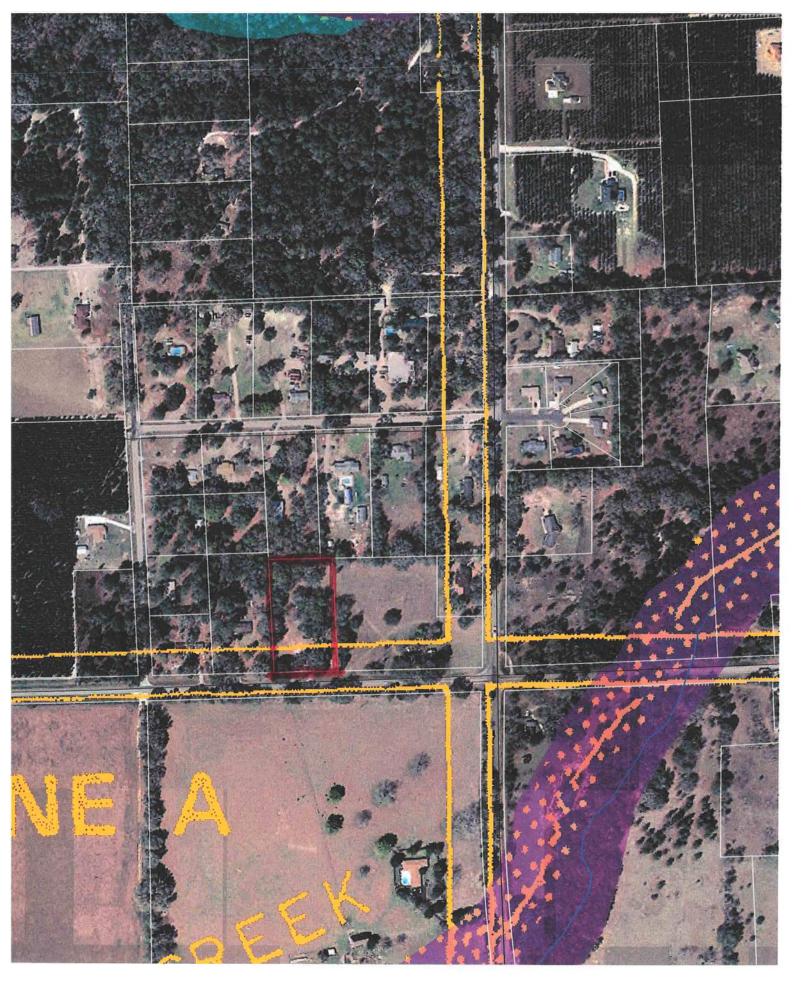
<u>OWNERS CERTIFICATION:</u> I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building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

State of Florida Notary Signature (For the Contractor)

MY COMMISSION # DD 710646 EXPIRES: October 29, 2011



0807-44

NOTICE OF COMMENCEMENT

Inst:200812013545 Date:7/18/2008 Time:3:48 PM ____DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1154 P:2529

County Cierk's Office Stamp of Seal

Tax Parcel Identification Number	20-45-17-08602-	000	
Florida Statutes, the following informat	tion is provided in this NOTICE OF CO	DMMENCEMENT.	1 in accordance with Section 713.13 of the
Description of property (legal descr a) Street (job) Address:	iption): 1175 SW C-242-0, LA	20019 VE C179, 7C	ACRES ESTATES. LOT 9-BLE 32025
2. General description of improvement	: Flation to SEO		
b) Name and address of fee s	SERA CAMIEL simple titleholder (if other than owner)	1195 S.W.	County RD 242 386-758-9191 8AKE C. 44 Cl.
4. Contractor Information a) Name and address: 46 b) Telephone No:	EZELL ROME	Fax No. (Opt.)	32825-
	10 N.W. 00 St AKE CITY F	Ferhoudt	
6 Lender a) Name and address:			-
b) Phone No. 7. Identity of person within the State of	Florida designated by owner upon who		
b) Telephone No.:		Fax No. (Opt.)	
8. In addition to himself, owner designation of the statutes:	ates the following person to receive a cop	py of the Lienor's Notice	as provided in Section 713.13(I)(b).
b) Telephone No.:		Fax No. (Opt.)	
9. Expiration date of Notice of Comme	ncement (the expiration date is one yes	ar from the date of reco	
COMMENCEMENT ARE CONSID STATUTES, AND CAN RESULT IN COMMENCEMENT MUST BE RE	NYOUR PAYING TWICE FOR IMPI CORDED AND POSTED ON THE JO LT YOUR LENDER OR AN ATTOR	DER CHAPTER 713, I ROVEMENTS TO YO OB SITE BEFORE TH	PART I, SECTION 713.13, FLORIDA
STATE OF FLORIDA COUNTY OF COLUMBIA	10. Signature	of Owner or Owner's Au	thorized Office/Director/Partner/Manager
•	Print Nam	ne ze //	Rove
The foregoing instrument was acknowled	ged before me , a Florida Notary, this	18 day of	164
	as as	(ty	pe of authority, e.g. officer, trustee, attorney
Personally Known OR Produced Id	lentification Type	(name of party o	n behalf of whom instrument was executed).
Notary Signature awanda	11/	Stamp de Sain	LAWANDA Y. RENTZ COMMISSION # DD 710646 EXPIRES: October 29, 2011 ded Thru Notary Public Underwriters
11. Verification pursuant to Section 9 facts stated in it are true to the be	2.525. Florida Statutes. Under penaltje	es of perjury. I declare t	hat I have read the foregoing and that the
	Signatu	re of Natural Person Sign	ning (in line #10 above.)

Columbia County Property Appraiser DB Last Updated: 4/15/2008

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Search Result: 1 of 1

Print

Parcel: 20-4S-17-08602-000 HX 98

Owner & Property Info

Owner's Name	CAMIEL DEB	RA D	
Site Address	COUNTY RD	242-A	
Mailing Address	1195 SW CR LAKE CITY, F		
Use Desc. (code)	SINGLE FAM	(000100)	
Neighborhood	20417.01	Tax District	2
UD Codes	MKTA02	Market Area	02
Total Land Area	2.020 ACRES	3	
Description		C 2 YOUNG ACRES EST B 1142-1875	ATES S/D. ORB

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$26,664.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$60,617.00
XFOB Value	cnt: (1)	\$1,800.00
Total Appraised Value		\$89,081.00

Just Value		\$89,081.00
Class Value		\$0.00
Assessed Value		\$50,799.00
Exempt Value	(code: HX 98)	\$50,799.00
Total Taxable Value		\$0.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
			NONE			

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1968	Common BRK (19)	1677	1743	\$60,617.00
	Note: All S.F. calculati	ons are bas	sed on <u>exterior</u> buil	ding dimension	ıs.	

Extra Features & Out Buildings

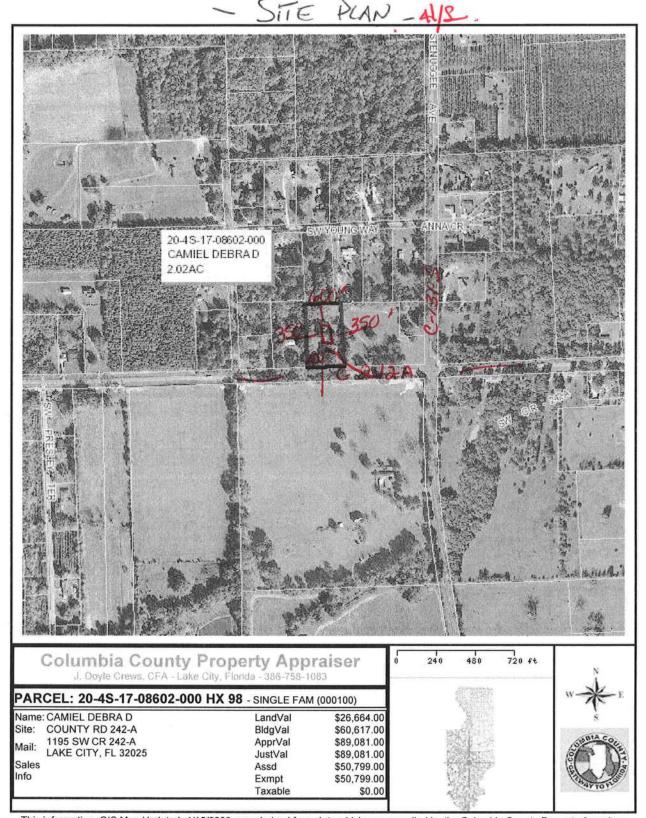
Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0294	SHED WOOD/	1993	\$1,800.00	1.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	2.020 AC	1.00/1.00/1.00/1.00	\$13,200.00	\$26,664.00

Columbia County Property Appraiser

DB Last Updated: 4/15/2008



This information, GIS Map Updated: 4/15/2008, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

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COLUMBIA COUNTY ENVIRONMENTAL HEALTH
PERMIT:X \(\int \begin{align*} \int \int \lefta \begin{align*} \int \lefta \

OWNER: 1), b. 10. Carrell ADDRESS: 1/95 Sw C 242-4 1C

FOR: A/C BARN CITY UTIL LIGHTS POOL/ENC ROOF SCREEN RM SIGN WELL OTHER CARPORT + DOIL

SAULSBY ELECTRIC, LLC 658 NW LOWER SPRINGS RD. LAKE CITY, FLORIDA 32055 (386) 623-0914 LIC. # EC13002771

August 5, 2008

Subject: Bid Proposal for the Debra Camiel Project

Mr. Rowe,

The calculated service load for the Debra Camiel project is 134 amperes (See the attached Load Calculation. A 150 ampere service would be sufficient for the residence. However, I recommend that a 200 ampere service be installed. The cost difference between a 150 ampere and a 200 ampere service is minimal (approximately \$60 - \$80) and the 200 ampere service will allow for future growth and/or appliance additions.

The new service can be installed in the same location as the existing service but the load distribution panel must be relocated to an interior wall that would allow for the code required clearance. The washer or dryer, I don't remember which one, is directly in front of the existing load distribution panels thereby not allowing for the required clearance.

I'm bidding the service installation with a final cost between \$1,450.00 and \$1,800.00 since I do not know at this point how far the load distribution panel will end up being from the outside service entrance components (meter case and service disconnect).

Thanks for the opportunity to bid the project. I look forward to working with you on it.

Sincerely,

Louis H. Saulsby, SMbr.

Saulsby Electric LLC

Optional Calculation For One-Family Dwelling with Heat Pump (Single-Phase, 240/120 Volt Service)

Project Name: Debra Camiel

General Load

Heated and cooled floor area in square feet (sf)	2,460	7,380
2 - 20 amp small appliance circuits at 1500 VA each (3000VA MIN)		3,000
1 - 20 amp Laundry circuit (1500VA MIN)		1,500
Range (at 8000VA or nameplate rating whichever is greater) (8000VA MIN)		8,000
Water heater (4500VA MIN)		4,500
Dishwasher (1200VA MIN)		1,200
Bath GFI Circuit (1200VA MIN)		1,200
Microwave (1200VA MIN)		1,200
Refrigerator (1200VA MIN)		1,200
Food Freezer (1200VA MIN)	2	2,400
Whirlpool Bath with Heating Element (3500VA MIN)		3,500
Clothes dryer (5000VA MIN)	_	5,000
Subtotal of General Load		40,080
First 10kVA @ 100% (10,000VA MIN)		10,000
Remainder of general load @ 40%	_	12,032
Total net General Load		22,032
Heat Pump		25
Heat Pump and Supplemental Heat Strip		10,000
Total of Net General Load, Heat Pump, & Supplemental Heat Strip		32,057
Calculated Load for Service (volt-amps/240volts = amperage)		134
Minimum number of general purpose 20 amp branch circuits required [(Heated and cooled	ı	
square footage x 3 VA/SF) divided by (120 volts) divided by (20 Amps per circuit)]		3

Cap: 18.0 kBtu/hr SEER: 13.00

Project Name:

Climate Zone:

Address:

City, State: Owner: **Debra Camiel**

North

New construction or existing

Single family or multi-family

Lake City, FL 32024-

Camiel Residence

Lot: 9, Sub: Young Acres, Plat:

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Addition

Single family

Builder:

12. Cooling systems

a. Central Unit

Permit Number:

Permitting Office: COLUMBIA

Jurisdiction Number: 22/000

Number of units, if multi-family	1			SEER: 13.00	_
4. Number of Bedrooms	1		b. N/A		
5. Is this a worst case?	No	_			_
 Conditioned floor area (ft²) 	854 ft ²	_	c. N/A		_
 Glass type¹ and area: (Label reqd. by 13-1 	04.4.5 if not default)	1			_
	escription Area	1	Heating systems		
(or Single or Double DEFAULT) 7a. (DEb. SHGC:	ole Default) 110.0 ft ²	-	a. Electric Heat Pump	Cap: 18.0 kBtu/hr HSPF: 7.70	_
(or Clear or Tint DEFAULT) 7b. 8. Floor types	(Clear) 110.0 ft ²	-	b. N/A		_
a. Slab-On-Grade Edge Insulationb. N/A	R=5.0, 125.0(p) ft	_	c. N/A		_
c. N/A		_ 1	4. Hot water systems		
9. Wall types			a. Electric Resistance	Cap: 50.0 gallons	-
a. Frame, Wood, Exterior	R=13.0, 870.0 ft ²			EF: 0.90	_
b. N/A		_	b. N/A		_
c. N/A		_			-
d. N/A		_	c. Conservation credits		-
e. N/A		_	(HR-Heat recovery, Solar		
Ceiling types		_	DHP-Dedicated heat pump)		
a. Under Attic	R=30.0, 895.0 ft ²	1	5. HVAC credits	PT,	-
b. N/A		_	(CF-Ceiling fan, CV-Cross ventilation,		
c. N/A		_	HF-Whole house fan,		
11. Ducts		_	PT-Programmable Thermostat,		
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft		MZ-C-Multizone cooling,		
b. N/A		_	MZ-H-Multizone heating)		
1.000 to 1000					
Glass/Floor Area: 0.1	3 Total as-b Total ba		nts: 9718 nts: 10840	3	
I hereby certify that the plans and specifi			Review of the plans and	THE STAR	
this calculation are in compliance with the Code. PREPARED BY: DATE:	Florida Energy	-	specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for	CHAPTER OF THE PROPERTY OF THE	NORIDA
Code. PREPARED BY:	28	nce	calculation indicates compliance with the Florida Energy Code. Before construction is completed	COD WE TEN	FLORIDA
PREPARED BY: DATE: hereby certify that this building, as design	28 gned, is in compliar	nce	calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908		FLORIDA

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.8

The higher the score, the more efficient the home.

Camiel Residence, Lot: 9, Sub: Young Acres, Plat: , Lake City, FL, 32024-

1.	New construction or existing	Addition	-	. Cooling systems		
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 18.0 kBtu/hr	_
3.	Number of units, if multi-family	1			SEER: 13.00	_
4.	Number of Bedrooms	1	_	b. N/A		
5.	Is this a worst case?	No				_
6.	Conditioned floor area (ft2)	854 ft ²		c. N/A		
7.	Glass type 1 and area: (Label reqd. I	by 13-104.4.5 if not default)				_
a.	U-factor:	Description Area	13	. Heating systems		
	(or Single or Double DEFAULT)	7a. (Dble Default) 110.0 ft ²		a. Electric Heat Pump	Cap: 18.0 kBtu/hr	_
b.	SHGC:	(10.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HSPF: 7.70	_
	(or Clear or Tint DEFAULT)	7b. (Clear) 110.0 ft ²		b. N/A		_
8.	Floor types					
a.	Slab-On-Grade Edge Insulation	R=5.0, 125.0(p) ft		c. N/A		_
	N/A	50-4 (134 (30-2) - 40-4 (30-4) (30-4) (30-4)				
c.	N/A		14	. Hot water systems		
9.	Wall types			a. Electric Resistance	Cap: 50.0 gallons	_
a.	Frame, Wood, Exterior	R=13.0, 870.0 ft ²			EF: 0.90	
b.	N/A			b. N/A		_
c.	N/A					-
d.	N/A			c. Conservation credits		_
e.	N/A			(HR-Heat recovery, Solar		
10.	Ceiling types			DHP-Dedicated heat pump)		
	Under Attic	R=30.0, 895.0 ft ²	15	. HVAC credits	PT,	_
b.	N/A	•		(CF-Ceiling fan, CV-Cross ventilation		
c.	N/A			HF-Whole house fan,		
11.	Ducts			PT-Programmable Thermostat,		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft		MZ-C-Multizone cooling,		
b.	N/A	•		MZ-H-Multizone heating)		
				y automotivace national proteins proteins and example - the		
	rtify that this home has complie				THE STAR	60
	struction through the above en	0.		70	30	A.
	nis home before final inspection		Display C	ard will be completed	8/100	115
base	ed on installed Code compliant	features.			7 1111	윘
Bui	Ider Signature:		Date:		ES A	D
Add	lress of New Home:		City/FL	Zip:	GOD WE TRUST	

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

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Young Acres, Plat: , Lake City, 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.				
Exterior & Adjacent Walls 606.1.ABC.1.2.1		Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.				
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.				
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.				
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.				
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.				
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.				

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

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

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Young Acres, Plat: , Lake City, FL, 32024- PERMIT #:

BASE					AS-BUILT								
WATER HEA Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	х	Tank X Ratio	Multiplier	X Cred		Total
1		2635.00		2635.0	50.0	0.90	1		1.00	2693.56	1.00	l.	2693.6
					As-Built To	otal:							2693.6

	CODE COMPLIANCE STATUS												
	BASE					AS-BUILT							
Cooling Points					Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points		
3260		4945		2635		10840	2861		4164		2694		9718

PASS



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Young Acres, Plat: , Lake City, FL, 32024-

	BASE		AS-BUILT						
Winter Base	Points:	8925.3	Winter As-Built Points:	8515.9					
Total Winter X Points	System = Multiplier	Heating Points	Total X Cap X Duct X System X Credit = Component Ratio Multiplier Multiplier Multiplier (System - Points) (DM x DSM x AHU)	Heating Points					
8925.3	0.5540	4944.6	(sys 1: Electric Heat Pump 18000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Int(AH) 8515.9 1.000 (1.069 x 1.169 x 0.93) 0.443 0.950 8515.9 1.00 1.162 0.443 0.950	,R6.0 4163.8 4163.8					

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Young Acres, Plat: , Lake City, FL, 32024-

	BASE					AS-	BUI	LT				
GLASS TYPES .18 X Condition Floor Are		VPM =	Points .	Type/SC		rhang Len	Hgt	Area X	WI	PM X	wo	= = Points
.18 854.0)	20.17	3101.0	1.Double, Clear 2.Double, Clear 3.Double, Clear	E S W	1.5 7.5 1.5	8.0 8.0 8.0	20.0 60.0 30.0	1	18.79 13.30 20.73	1.02 2.63 1.01	383.0 2098.0 628.0
				As-Built Total:				110.0				3109.0
WALL TYPES	Area X	BWPM	= Points	Туре		R-	Value	Area	Х	WPN	1 =	Points
Adjacent Exterior	0.0 870.0	0.00 3.70	0.0 3219.0	1. Frame, Wood, Exterior			13.0	870.0		3.40		2958.0
Base Total:	870.0		3219.0	As-Built Total:				870.0				2958.0
DOOR TYPES	Area X	BWPM	= Points	Туре				Area	X	WPN	1 =	Points
Adjacent Exterior	0.0 20.0	0.00 12.30	0.0 246.0	1.Exterior Insulated				20.0		8.40		168.0
Base Total:	20.0		246.0	As-Built Total:				20.0				168.0
CEILING TYPES	Area X	BWPM	= Points	Туре	R	-Value	e Ar	ea X W	PM	I X W	= MC	Points
Under Attic	854.0	2.05	1750.7	1. Under Attic			30.0	895.0	2.05	X 1.00		1834.8
Base Total:	854.0		1750.7	As-Built Total:				895.0			- N	1834.8
FLOOR TYPES	Area X	BWPM	= Points	Туре		R-	Value	Area	Х	WPN	1 =	Points
Slab Raised	125.0(p) 0.0	8.9 0.00	1112.5 0.0	1. Slab-On-Grade Edge Insu	lation		5.0	125.0(p		7.60		950.0
Base Total:			1112.5	As-Built Total:				125.0				950.0
INFILTRATION	Area X	BWPM	= Points					Area	Х	WPN	1 =	Points
	854.0	-0.59	-503.9					854.0	0	-0.59		-503.9

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Young Acres, Plat: , Lake City, FL, 32024-

	BASE		AS-BUILT						
Summer Ba	se Points: 1	0030.8	Summer As-Built Points: 10180.7						
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)						
10030.8	0.3250	3260.0	(sys 1: Central Unit 18000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 10181 1.00 (1.09 x 1.147 x 0.91) 0.260 0.950 2860.9 10180.7 1.00 1.138 0.260 0.950 2860.9						

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Young Acres, Plat: , Lake City, FL, 32024-

BASE	AS-BUILT
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area	Overhang Type/SC Ornt Len Hgt Area X SPM X SOF = Points
.18 854.0 18.59 2858.0	1.Double, Clear E 1.5 8.0 20.0 42.06 0.96 805.0 2.Double, Clear S 7.5 8.0 60.0 35.87 0.53 1139.0
	3.Double, Clear W 1.5 8.0 30.0 38.52 0.96 1107.0
	As-Built Total: 110.0 3051.0
WALL TYPES Area X BSPM = Points	Type R-Value Area X SPM = Points
Adjacent 0.0 0.00 0.0 Exterior 870.0 1.70 1479.0	1. Frame, Wood, Exterior 13.0 870.0 1.50 1305.0
Base Total: 870.0 1479.0	As-Built Total: 870.0 1305.0
DOOR TYPES Area X BSPM = Points	Type Area X SPM = Points
Adjacent 0.0 0.00 0.0 Exterior 20.0 6.10 122.0	1.Exterior Insulated 20.0 4.10 82.0
Base Total: 20.0 122.0	As-Built Total: 20.0 82.0
CEILING TYPES Area X BSPM = Points	Type R-Value Area X SPM X SCM = Points
Under Attic 854.0 1.73 1477.4	1. Under Attic 30.0 895.0 1.73 X 1.00 1548.3
Base Total: 854.0 1477.4	As-Built Total: 895.0 1548.3
FLOOR TYPES Area X BSPM = Points	Type R-Value Area X SPM = Points
Slab 125.0(p) -37.0 -4625.0 Raised 0.0 0.00 0.0	1. Slab-On-Grade Edge Insulation 5.0 125.0(p -36.20 -4525.0
Base Total: -4625.0	As-Built Total: 125.0 -4525.0
INFILTRATION Area X BSPM = Points	Area X SPM = Points
854.0 10.21 8719.3	854.0 10.21 8719.3

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:1TIW8228Z0103133504

Truss Fabricator: Anderson Truss Company

Job Identification: 8-164--OWNER BUILDER Debra Camiel -- , **

Truss Count: 19

Model Code: Florida Building Code Truss Criteria: ANSI/TPI-1995(STD)/FBC

Engineering Software: Alpine Software, Versions 7.36, 7.24.

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

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

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-02 -Closed

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.

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

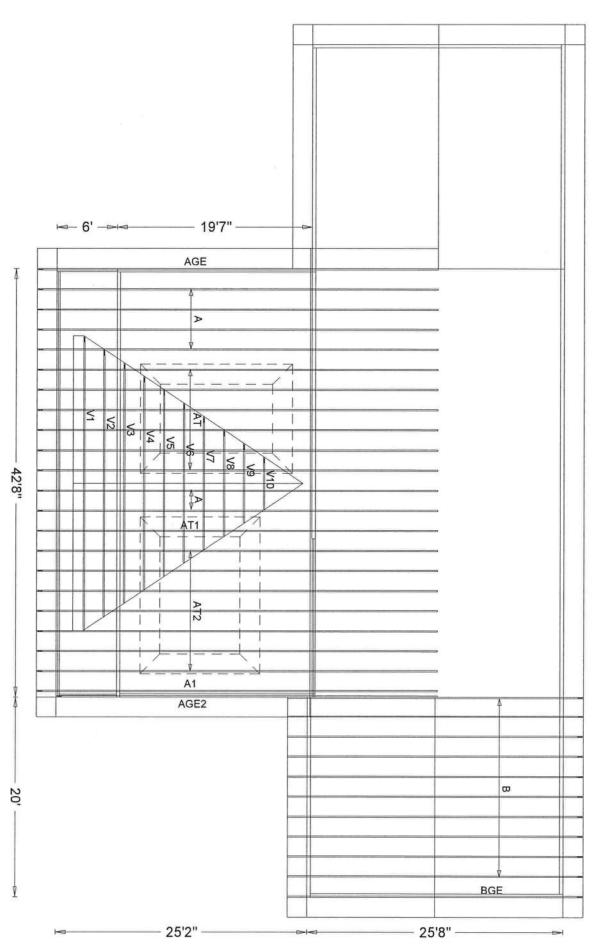
Details: VALTRUSS-A11015EC-GBLLETIN-A11015EE-BRCLBSUB

	#	Ref Description	Drawing#	Date
I	1	85558 V2	08185001	07/03/08
ı	2	85559 V3	08185002	07/03/08
	3	85560 V4	08185003	07/03/08
1	4	85561V5	08185004	07/03/08
	5	85562V6	08185005	07/03/08
	6	85563V7	08185006	07/03/08
	7	85564V8	08185007	07/03/08
1	8	85565 V9	08185008	07/03/08
١	9	85566V10	08185009	07/03/08
ı	10	85567V1	08185011	07/03/08
١	11	85568 BGE	08185012	07/03/08
ı	12	85569 B	08185010	07/03/08
ı	13	85570 AGE 2	08185013	07/03/08
ı	14	85571 AT2	08185014	07/03/08
ı	15	85572 AGE	08185015	07/03/08
ı	16	85573 AT1	08185016	07/03/08
	17	85574 A	08185017	07/03/08
	18	85575 AT	08185018	07/03/08
	19	85576A1	08185019	07/03/08

Seal Date: 07/03/2003

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





#8-164 DEBRA CAMIEL

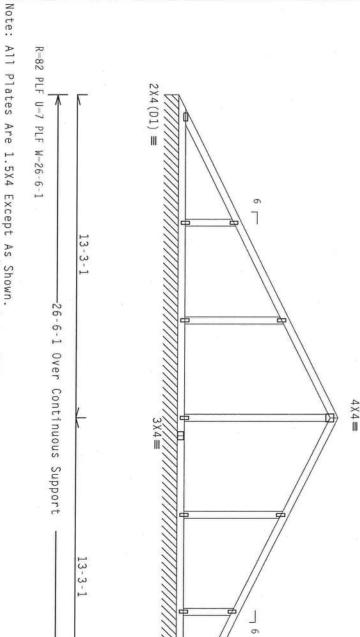
Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP #2 Dense #2 Dense #3

Deflection meets L/360 live and L/240 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.

See DWG VALTRUSS0207 for valley details.



2X4(D1) =

PLT TYP.

Wave

Design Crit: TPI-2002(STD)/FBC

WARNING IRUSSES REQUIRE EXTREME CARE IN FABRICATION, IMADALING, SHIPPING, INSTALLING AND BRACING, REFER TO BOSI (BULLDING COMPONENT SAFETY INFORMATION), PUBLISHED BY PPI (TRUSS PLAIE INSTITUTE, 219 BORTH LEE STREET, SHITE 312, ALEXANDRIA, VA. 22314) AND NICA (MODD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE TRUCTIONS. UNLESS OHHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAWELS AND BOTTOM CHORD SHALL HAVE Cq/RT=1.00(1.25)/10(0)

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

Scale = .25"/Ft. R8228- 85558

DATE REF

07/03/08

HC-ENG JB/DF

DRW HCUSR8228 08185001

A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVALTON FROM THIS DESIGN, ANY FALLURE TO BUILD THE TRUSS IN COMPORMANCE HITH TPI; OR FARRICATING, HANDLING, SHEPPIG, INSTALLING & BRACLING OF TRUSSES, CORRECTION FOR THE PROPERTY OF THE AMEN AND THIS DESIGN, POSITION OF RATES AND, UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION OF PRATES FOLIOMED BY (1) SHALL BE PER AMER X OF PRITE SOLEY FOR THE THESE COMPONENT OF THE PROPERTY OF THE THESE COMPONENT OF THE PROPERTY OF THE SOLEY FOR THE THESE COMPONENT OF THE SOLEY FOR THE THESE COMPONENT OF THE PROPERTY OF THE SOLEY FOR THE THESE COMPONENT OF THE PROPERTY OF THE SOLEY FOR THE THESE COMPONENT OF THE PROPERTY OF THE PR

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPIL-2 DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY DESIGN SHOWN. THE SUITABLILITY AND DISC OF THIS COMPONENT FOR ANY BUILD BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group Haines City, FL 33844 FL COA #0.278

ALPINE

COUSTASI FLES SIDNAL ENGINEE CENSE lo. 66648 BC LL BC DL TC DL TC LL TOT.LD. 40.0 PSF 10.0 PSF 10.0 PSF 20.0 PSF 0.0 PSF

	-	N. Committee
	80	
SPACING	DUR.FAC.	TOT.LD.
24.0"	1.25	40.0 PSF
JREF -	FROM	SEQN-
1TIW8228Z01	SA	93389

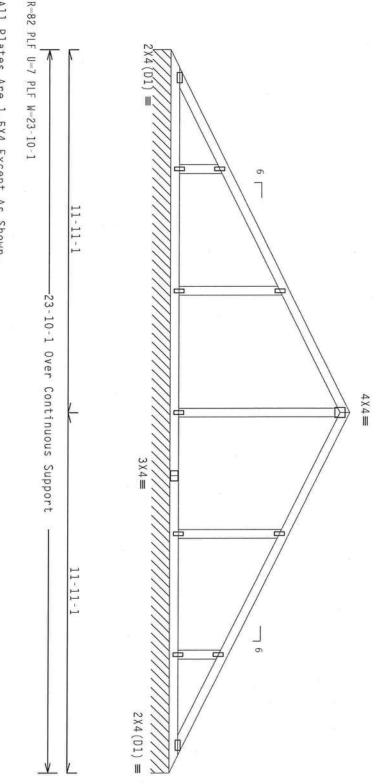
Top chord 2x4 SP # Bot chord 2x4 SP # Webs 2x4 SP # #2 Dense #2 Dense #3

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is $1.50\,\mathrm{cm}$

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

See DWG VALTRUSS0207 for valley details



Note: All Plates Are 1.5X4 Except As Shown. TYP. Design Crit:

Wave

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

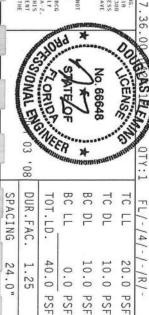
IMPORTANT*FURRISH A CODY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION (ROW THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE HITH FPI; OR FARRECHING, HANDLING, SHEPPIG, HISTALLING, BRACHING OF TRUSSES, ANY AREA) AND TFI. ITH BCG CONTROL OF THE PI; OR FARRECHING, AND THE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AREA) AND TFI. ITH BCG CONTROL OF THE AREA AND OF 20/18/16/AG, (HALLYSKY) ASTH AGE) GRACH AGG (M. K./H.S.) GALV, STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, DURLESS OTHERISE LOCATED ON THIS DESIGN, POSITION FOR DEMANDES 160A-Z, ANY THIS DESIGN OF PI); SHALL BE FPH ANNEX AS OF TFI); 2002 SEC.3. A SEA, OR HIS ANY BEACHING OF PACES BOLLOWED BY (1) SHALL BE FPH ANNEX AS OF TFI); 2002 SEC.3. A SEA, OR HIS ANY BRACHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BRACHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BRACHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BRACHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BRACHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BRACHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BRACHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BRACHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BRACHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BRACHING AND THE TRUSS COMPONENT BRACHING THE TRUSS 32 SEC.3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE

TW Building Components Group Inc.

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FL CQ 1/0 278

BUILDING DESIGNER PER



PSF

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HC-ENG JB/DF

DRW HCUSR8228 08185002

JREF -FROM SEQN-

1TIW8228Z01

DATE REF

07/03/08

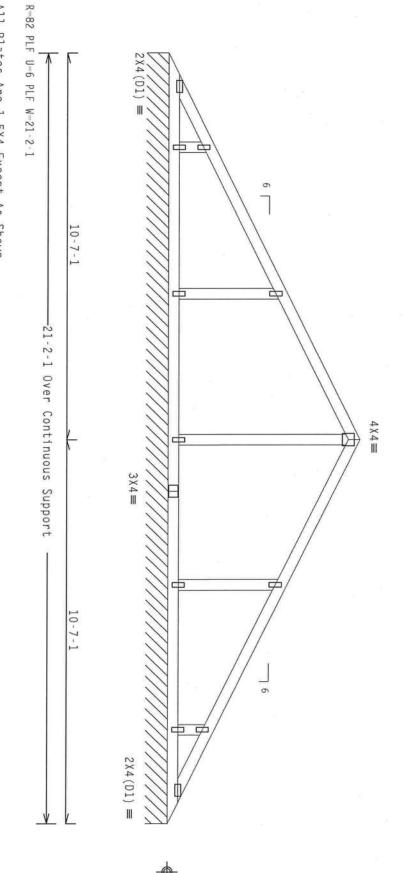
Scale =.3125"/Ft. R8228- 85559

Deflection meets L/360 live and L/240 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

See DWG VALTRUSS0207 for valley details



Note: All Plates Are 1.5X4 Except As Shown. PLT TYP. Design Crit:

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

/10(0)

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

Scale = .375"/Ft. R8228-

10.0 PSF 20.0 PSF

DATE REF

07/03/08 85560

10.0 PSF

DRW HCUSR8228 08185003

0.0 PSF

HC-ENG JB/DF

PSF

SEQN-

93399

A PROPERLY ATTACHED RIGID CEILING

IMPORTANTFURRISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THIS DESIGN. OF THE TRUSS THE COMPORNANCE WITH THE THIS OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HOS (MATIONAL DESIGN SPEC, BY AFRAY) AND TRI. THE RESERVE CONNECTION PLATES ARE MADE OF TAY/189706A (M.H/SSY). ASTEM ASS DEADE 40/60 (M. K/M.SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DWALTHESS HOLDES.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 DRAWLING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPO SIGM SPEC, BY AFRAN, AND FPI. ITH BEG RADE 40/60 (N. K/M.SS) GALY. STEEL, APPLY THIS DESIGN, POSITION PER DRAWHRGS 160A-Z. OF FPI.2002 SEC.3. A SEAL ON THIS OMSUBLITY SOURCELY FOR THE TRUSS COMPONENT ANY BUILDING IS THE RESPONSIBILITY OF THE

TW Building Components Group Haines City, FL 33844 FL COA #0 278

ALPINE





SPACING

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TW Building Components Group

ALPINE

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR NAW DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE HITH THIS DESIGN CONTRACTOR. HAND LIG., SHAPIDE, HAVELLEG & BRACHEG. OF TRUSSES.

DESIGN COMPORES HITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY ATAPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/10/166A, (M.MISSEY) ASTA MASS GRABE 40/60 (W. K/M. SS) GALY. SIEEL, APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OF DESIGN ECCATED ON THIS DESIGN, POSITION PER DRAHIMGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER MANEX AS OF TPIT-2002 SEC.3. A SEAL ON THIS DESIGN SHOULD THE RUSS COMPONENT OF THE PLATES ACCOMPONENT OF THE SULTABILITY OF THE

No. 66648

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FROM SEQN-

SPACING

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1TIW8228Z01

Haines City, FL 33844 FL COA #0 278

DESIGN SHOWN. THE SUITABILITY BUILDING DESIGNER PER ANSI/TPI 1

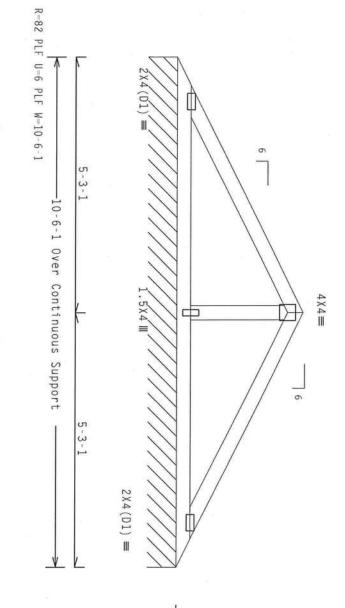
Top chord 2x4 SP + Bot chord 2x4 SP + Webs 2x4 SP + #2 Dense #2 Dense #3

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is $1.50.\,$

110 mph wind, 15.38 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.

See DWG VALTRUSS0207 for valley details



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

PLT

TYP.

Wave

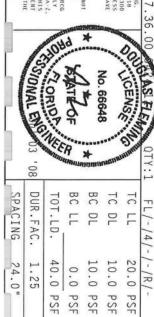
WARNING TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING, RETER TO BCS1. (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CHRUSS PLAIE INSTITUTE, 218 MORTH LEE STREET, SUITE 137. ALEXANDRIA, VA. Z2314) AND HTGA (400D TRUSS COUNCIL OF AMERICA, 6300 EXTERPRESS LANE, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR GROBE SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE

IMPORTANT FURBISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TIN BCG, INC. SHALL NOT BE RESPONSIBLE FOR ARY DEVIATION FROM THIS DESIGN, ANY FAILURE FOR BUILD THE TRUSS IN COMPORMANCE HITH FPI: OR FARRICATING, HANTLING, SHAPPING, INSTALLING A BRACTING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROPUSIONS OF THOS (MATIONAL DESIGN SEC. D. WARRA) AND THE. IN BCG CONNECTION PLATES ARE MADE OF TRUSS AND. UNLESS OTHERSISE LOCATED ON THIS OUTS, POSITION PER DEWATHEN, APPLY PARTES TO EACH FACE OF TRUSS AND. UNLESS OTHERSISE LOCATED ON THIS OUTS, OF THIS DESIGN, POSITION PER DEWATHEN, AND UNLESS OTHERSISE LOCATED ON THIS OUTS, OF THIS COURS BEC. D. A SEAL ON THIS BRAING INDICATES ACCEPTANCE OF PROPESSIONAL INSTALL BE PER ANNEX AS OF TRIL-2002 SEC. D. A SEAL ON THIS BRAING INDICATES ACCEPTANCE OF PROPESSIONAL INSTALLED RESPONSIBILITY SOLLY FOR THE TRUSS COMPONENT DESIGN SHOOM. THE SUITABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COME BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group

ALPINE

Haines City, FL 33844 FL CC 140 778



PSF

HC-ENG

JB/DF

93416

DRW HCUSR8228 08185007

FROM SEQN-

JRFF -

1TIW8228Z01

REF

R8228- 85564

Scale = .5"/Ft.

DATE

07/03/08

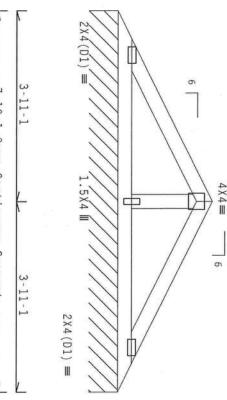
Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP #2 Dense #2 Dense #3

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is $1.50\,.$

110 mph wind, 15.72 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(+l/)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



R=82 PLF U=5 PLF W=7-10-1 -7-10-1 Over Continuous Support

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

TYP.

Wave

WARNING TRUSSES REQUIRE ETTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONETH SAFETY HOROMATION), PUBLISHED BY FPT (FRUSS PLATE INSTITUTE, 228 MORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22310) AND NICA (MODD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LAME, MANISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TO COMODD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTON CHORD SHALL HAVE

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR NAW DEVIATION FROM THIS DESIGN TO BUILD THE TRUSS IN COMPORMANCE MITH TPI: OR FARRELYHOR, AND LING. SHAPLE, THIS DESIGN CONFIGNS WITH APPLICANCE PROVISIONS OF DDS (MATERNA DESIGN SPEC. BY ATRAY) AND TPI. ITH BCG COMPORNS WITH APPLICANCE PROVISIONS OF DDS (MATERNA DESIGN SPEC. BY ATRAY) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OHERHISE LOCATED ON THIS DESIGN, POSITION PER DRAMINGS 1900A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE FER ANNEX AS OF TPII: 2002 SEC. 3. A SEAL ON THIS DESIGN SHAPLAY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER MINEX AS OF TPII: 2002 TEC. 3. A SEAL ON THIS DESIGN SHAPLY THE SHAPLAY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. THE SUITABLILITY OF THE DESIGN SHOWN. THE SUITABILITY AND US BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2

TW Building Components Group Inc.

ALPINE

FL CC 4 MO 778



	03 '08	NEE	R	14- 14:23:11:11	MINN
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- 1TIW8228Z01	FROM SA	SEQN- 9	HC-ENG JE	DRW HCUSR8228	DATE (
T0Z8228M		3420	JB/DF >	3228 08185008	07/03/08

REF

R8228- 85565

Scale =.5"/Ft.

(8-164--OWNER BUILDER Debra Camiel --** V10)

the case that bare their editions that tender a stilled from Japon files of these files.

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

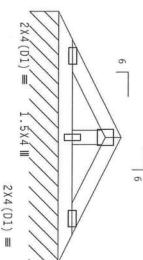
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.05 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

See DWG VALTRUSS0207 for valley details.





R-82 PLF U-4 PLF W-5-2-1 ←5-2-1 Over Continuous Support 2-7-1

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

PLT

TYP.

Wave

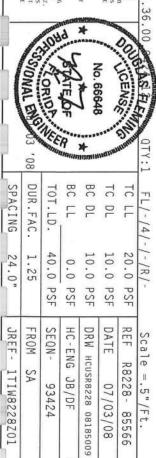
RARAMANO - TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, HISTALLING AND BRACING, REFERE TO BEST. (BULLOING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 1087). A CEXAMBRÍA, VA, 22314) AND WEAK (4000D DRUSS COUNCEL DE AMERICA, 6300 ENTERPRISE LANE, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PREFERENCIA THESE FUNCTIONS. UNLESS OTHERWISE HOLDSCAFED FOR COMPOSITAL HAVE PROPERLY ATTACHED STRUCTURAL PARKLES AND BOTTOM COORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARKLES AND BOTTOM COORD SHALL HAVE

IMPORTANTFUBHISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, THC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BHILD THE TRUSS IN COMPORNANCE WITH TPI: OR FARREATHEN, HANDLIGH. BY PINCE, HISTALLING A BRACHER OF TRUSSES, DESIGN COMPORES WITH APPLICABLE PROVISIONS OF THOS (RATIONAL DESIGN SPEC, BY ATEN) AND TPI. THE GCONNECTION PRICES ARE ADDITIONAL DESIGN SPEC, BY ATEN AND COMPONENT PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRACHAGE 160A-Z. ANY INSPECTION OF TRACES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI1-2002 SEC.3, A SEAL ON THIS DESIGN SHOOM, THE SUITABLITY AND USE OF THIS COMPONENT FOR THE PLASE COMPONENT FOR THE PLASE COMPONENT FOR THE PLASE COMPONEY. BUILDING DESIGNER PER ANSI/TPI 1 SEC

TW Building Components Group

ALPINE

Haines City, FL 33844 FL CO v 40 778



JB/DF 93424

1TIW8228Z01

Scale =.5"/Ft.

R8228- 85566

07/03/08

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

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.

See DWG VALTRUSS0207 for valley details

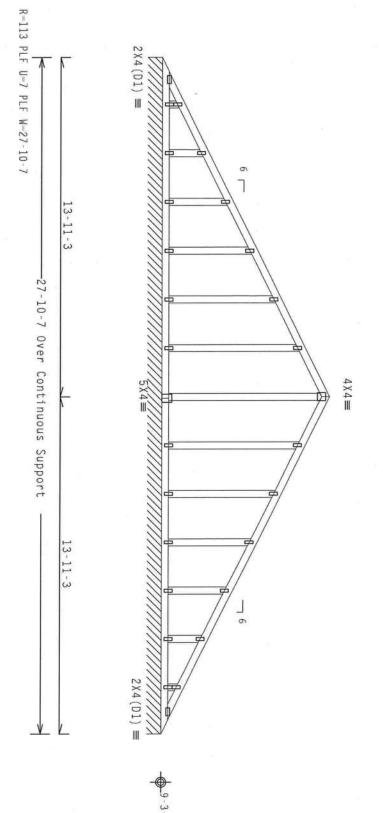
See DWGS Al1015EC0207 & GBLLETIN0207 for more requirements

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

Wind reactions based on MWFRS pressures

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP.

Wave

Design Crit: TPI-2002 (STD) /FBC

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

Scale = .25"/Ft. R8228- 85567

DATE REF

07/03/08

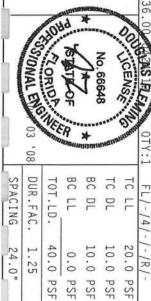
Cq/RT=1.00(1.25)/10(0)

A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH TPI; OR FARRECATHG, INAULIG, SHEPPIG, HISTALLING & BRACING OF TRUSSES, DESIGN CONTROLATION, AND LIGHT PROVISIONS OF AND SHAD SHADE OF TRUSSES, WATER) AND TPI. ITH BCG CONNECTOR PLATES ARE MADE OF 20/19/166A (W.H/SS/N) ASTM A653 GRADE 40/60 (W. K/M.SS) GALV. SIELL APPLY PLATES TO EACH FAGE OF TRUSS AND. UNLESS OTHERHISE LOCATED ON THIS DESIGN, POSITION OF RED ENAULIGE SHOPAL, AND THIS DESIGN, POSITION OF RED ENAULIGE SHOPAL, AND THIS DESIGN, POSITION OF RED ENAULIGE SHOPAL, AND THIS DESIGN, POSITION OF REAL SHOPAL SHO DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TW Building Components Group Haines City, FL 33844 FL CQA #0 278

ALPINE



PSF

SEQN-

HC-ENG

JB/DF 93430

DRW HCUSR8228 08185011

FROM

JREF -

1TIW8228Z01

Top chord 2x4 SP | Bot chord 2x4 SP | Webs 2x4 SP | :Stack Chord SC1 2 #2 Dense #2 Dense #3 2x4 SP #2 Dense::Stack Chord SC2

2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load

See DWGS Al1015EE0207 & GBLLETIN0207 for more requirements

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. top

Wind reactions based on MWFRS pressures

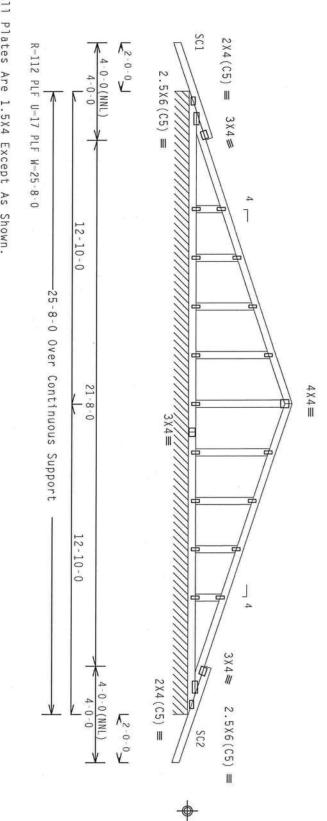
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

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

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

Deflection meets L/360 live and L/240 total load. factor for dead load is 1.50. Creep increase

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



Note: All Plates Are 1.5X4 Except As Shown.

NORTH LES STREET, SUITE 312, ALEXANDRÍA, VA. 2231A) AND HTCA (MODO PRUSS COMECTIO OF AMERICA. 6:300 ENTERPISE LAME, ADAISON, H. 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMED HISES CONTROLIONS. UNILESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED SIRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

IMPORTANT FURNISH A COPY OF THIS BESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH IPI: OR FARRICATING, MADILING. SHEPPIG, HISTALLING & BRACHRO OF TRUSSES;
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATICNAL DESIGN SPEC, BY AFAPA) AND IPI: DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATICNAL DESIGN SPEC, BY AFAPA) AND IPI: APPLY PLATES TO EACH FACE OF TRUSS AND, UNICES OTHERS LOCATED ON THIS DESIGN, POSITION FER DRAWINGS 160A.7.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SMALL BE PER ANNEX AS IPII: 2002 SEC.3.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SMALL BE PER ANNEX AS IPII: 2002 SEC.3.

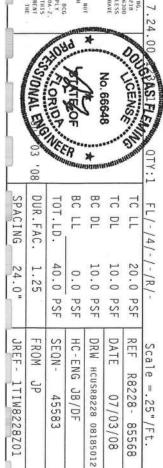
ANY INSPECTION OF PLATES FOLLOWED BY (1) SMALL BE PER ANNEX AS IPII: 2002 SEC.3.

A SEAL ON THIS

DRANING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY DESIGN SHOWN. THE SULTABILITY AND USE OF THIS COMPONENT FOR ANY BUILD BUILDING DESIGNER FER ASSIJFOL 1 SEC. 2.

ITW Building Components Group Haines City, FL 33844 FL CC ^ #0 778

ALPINE



JB/DF

45583

1TIW8228Z01

FL/-/4/-

/-/R/-

Scale = .25"/Ft.

R8228- 85568

07/03/08

Bot p chord 2x4 SP t chord 2x4 SP Webs 2x4 SP

#2 Dense #2 Dense #3 :W3, M12 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

must not be cut or notched. 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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

MEMBER TO BE LATERALLY BRACED FOR BRACING SYSTEM TO BE DESIGNED AND OUT OF PLANE WIND LOADS FURNISHED BY OTHERS.

STABILITY PER SECTION 2304.3.4.2 OF THE 2004 FLORIDA BUILDING CODE. THE TOP OF THE WALL BELOW THIS TRUSS SHALL BE LATERALLY BRACED AS SPECIFIED BY THE PROJECT ENGINEER. THIS TRUSS WILL NOT PROVIDE LATERAL SUPPORT OF THE ENDWALL. THE PROJECT ENGINEER SHALL PROVIDE FOR ENDWALL

> (**) 1 plate(s) require special positioning. Refer to sc plate plot details for special positioning requirements. Refer to scaled

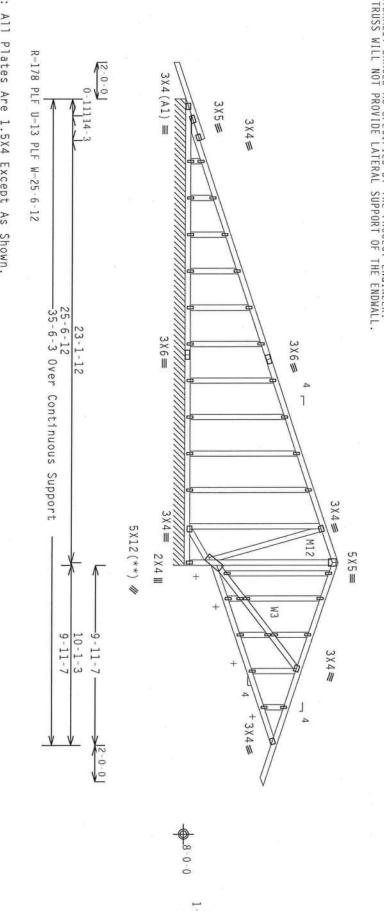
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS All015EE0207 & GBLLETIN0207 for more requirements.

Shim all supports to solid bearing

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 designed by the building designer. lateral restraint to the gable end. All connections to be



Note: All Plates Are 1.5X4 Except As Shown. TYP. Wave Design Crit:

HARNING TRUSSES REQUIRE EXTREME CARE IN FARRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO RCSI. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, ZIB MORTH LEE SIREE, SUITE 327, ALEXANDRIA, VA, Z2314) AND WICA (MOND TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, HI 55719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE HOLDCARED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

00

FL/-/4/-

/-/R/-

Scale =.1875"/Ft R8228- 85570

IMPORTANTFURHISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEPLATION FROM THIS DESIGN, FOR FAILURE TO BUILD THE TRUSS IN COMPORMANCE MITH IP: OR FARRICATION, HANDLING, SHEPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROPYISIONS OF DNS. (MATIONAL DESIGN SEFC. BY ATERA) AND IPI. IF BCG CONRECTOR PLATES ARE PAGE OF 20/18/156A (N.H/SS/R) ASTM A653 GRADE 40/60 (M. K/M.SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWHAGS 100A-Z. ANY INSECTION OF PLATES FOLLOWED BY (I) SHALL BE PER RHREY AS OF TPIL-2002 SEC. 3. ASLA, ON THIS DRAWHAG INDICATES ACCOMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DRAWHAG INDICATES ACCOMPONENT OF THE SULTABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

ITW Building Components Group

ALPINE

Haines City, FL 33844 FL CC 1 40 778

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR BUILDING DESIGNER PER ANSI/TPI I SEC. 2.



PSF PSF PSF

DRW HCUSR8228 08185013

DATE REF

07/03/08

PSF PSF

HC-ENG

DF / DF

45752

FROM SEQN-

JREF-

1TIW8228Z01

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

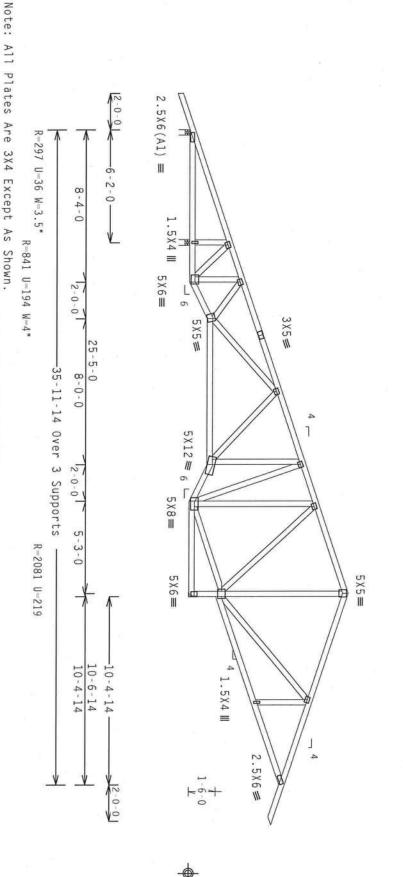
Roof overhang supports 2.00 psf soffit load

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is $1.50\,\mathrm{cm}$

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.

Shim all supports to solid bearing.



8-0-0

PLT TYP. Wave

ITW Building Components Group Inc.

ALPINE

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BGG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, FY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH THIS DESIGN CONTROL OF FARRICKATHO. MAINTURG, SHEPPING, HISTARLING A BRACTING OF TRUSSES, DESIGN CONTROL OF THE PROPERTY OF THE PROPER

WARNING. TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BOS! (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, ZIB MORTH LEE SINEE, SUITE 317, ALEXANDRIA, VA. ZZ314) AND HICA (4000 TRUSS COUNCIL OF AMERICA, 6300 ENTEROPESE LAME, MADISON, HI 55719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HESE FUNCTIONS. UNLESS OTHERWISE HOLDS. ALEXANDRIAL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

Design Crit:

TPI-2002 (STD) /FBC

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

GO JOENS

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

Scale =.1875"/Ft.

R8228- 85571

No. 66648

BC DL BC LL

10.0 PSF

DRW HCUSR8228 08185014

TC DL TC LL

10.0 20.0

PSF PSF

DATE REF

07/03/08

80

DUR.FAC. SPACING

1.25

24.0"

JREF -FROM

1TIW8228Z01

TOT.LD.

40.0

SEQN-

45736

0.0

PSF PSF

HC-ENG

JB/DF

Haines City, FL 33844 FL CC 1/20 78

DESIGN SHOWN. THE SUITABILITY AND NOT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP

#2 Dense #2 Dense #3 :W3, M12 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

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.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

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

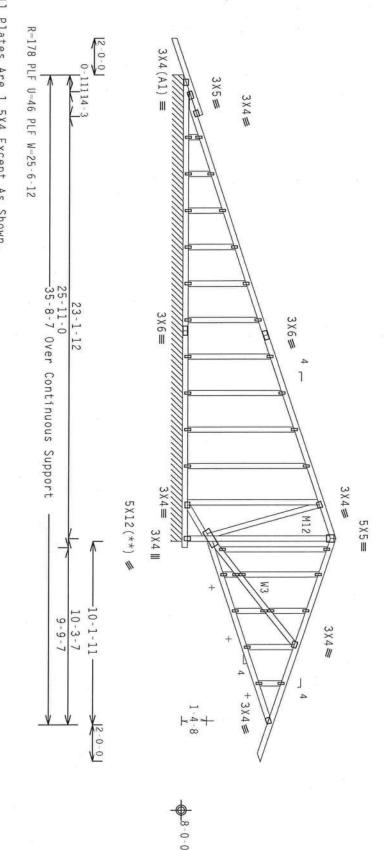
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements

Shim all supports to solid bearing.

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



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP.

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

A PROPERLY ATTACHED RIGID CEILING.

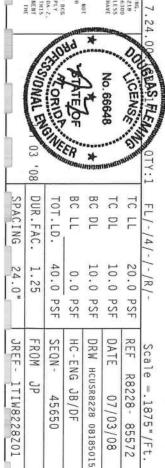
IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH IPI: OR FARRICATION, INAULING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONTROPS WITH APPLICABLE PROVISIONS OF MUS (MATIONAL DESIGN SPEC, SY AREA), AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 20/18/166A (M.H/SSS/N) ASYM A653 GRADE A0/60 (M. K/M:SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION DER DRAFHOS 150A-Z, ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ARMEN AS OF TRIT-2002 SEC.3. A SEAL ON THIS DRAFHING INDICATES ACCEPTANCE OF PROFESSIONAL REGIONALED RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

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

ITW Building Components Group

ALPINE

Haines City, FL 33844 FL CQ x 40.778



JB/DF

45650

1TIW8228Z01

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

Scale =.1875"/Ft. R8228- 85572

07/03/08

Bot PLT TYP. Wave Note: All Plates Are 3X4 Except As Shown. Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is $1.50\,\mathrm{cm}$ Roof overhang supports 2.00 psf soffit load (8-164--OWNER BUILDER Debra Camiel --ITW Building Components Group chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3 Haines City, FL 33844 FL CO 1 #0 778 ALPINE 2-0-0 $2.5 \times 6 (A1) =$ R=289 U=36 W=3.5" **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE THISTALLATION CONTRACTOR. THE BEGG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEFIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THIS DESIGN CONFIDENCE.

THE OR FARRICATION, HANDLIGABLE PROVISIONS OF THIS DESIGN SPECES WE WEEKEN, AND THE.

THIS DESIGN CONFIDENS WITH APPLICABLE PROVISIONS OF THIS COMPOSED SPECES WEEKEN, AND THE COMPOSED SPECES WEEKEN, AND THE COMPOSED SPECES WEEKEN, AND THE DESIGN SPECES WEEKEN, AND THE SECOND SPECES WEEKEN, AND THE SECOND SPECES WEEKEN, POSITION PER DRAWHOUS THOAD.

PAATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWHOOS THAN ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE FER ARREX AS OF THIS ZOOT SEC. 3. A SEAL ON THIS DRAWHOOS THE SECOND DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPO BUILDING DESIGNER PER ANSI/TPI I SEC. 2. A PROPERLY ATTACHED RIGID CEILING. 6-2-0-8-4-0 1.5X4 Ⅲ R=886 U=182 W=4" Design Crit: 5×6≡ ATI) 2-0-0 L 5×5≡ 3×5= 25-5-0 TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 8-0-0 36-2-0 Over 5X12 = 3 Supports 2-0-0 5 X 8 ≡ 9 110 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 Shim all supports to solid bearing. Wind reactions based on MWFRS pressures. R-2044 U-207 W-4" COUNTRY FLA 3X5= 1.5X4 III 5 X 6 ≡ CENSE No. 66648 15 10-9-0 10-3-0 10-3-0 80 .5×4 III BC LL DUR.FAC. BC DL TC DL TC LL SPACING TOT.LD. FL/-/4/-/-/R/-2.5X6 = 12-0-0 40.0 20.0 24.0" 1.25 10.0 PSF 10.0 PSF 0.0 PSF PSF PSF DATE REF JREF -FROM SEQN-HC-ENG DRW HCUSR8228 08185016 Scale =.1875"/Ft. R8228- 85573 JB/DF 07/03/08 45673

1TIW8228Z01

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

Roof overhang supports 2.00 psf soffit load.

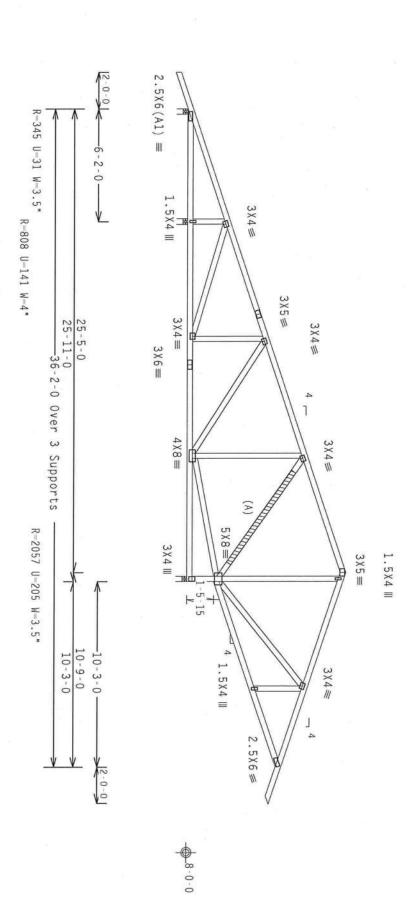
(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" 0C.

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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Shim all supports to solid bearing.



ALPINE A PROPERLY ATTACHED RIGID CEILING. PLT TYP. Wave

THE STATE OF THE STATE OF CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PRINCES AND BEACING.

OTHERST STATE, MAIL MAISSA, AND SHALL HYSELFY BROADLING, AND STOCK CHOOL BUSS COUNCIL OF MARTICA, 630

OTHERST STATE, MAIL MAISSA, AND SHALL MAND FOR SAFETY PRACTICES FROM TO PEROBHING THESE FORCIONS. MILES OF THE STATE OF

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

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 1TW BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN; ANY FALLURE TO BUILD THE TRUSS IN COMPORNANCE WITH FPI; OR FARRECKING, NANOLING, SHIPPIGE, HISTALLING ARE RACHES SPEC, BY ALERA AND FPI. I'M BCC BESIGN COMPORS HITH APPLICANCE PROVISIONS OF MDS (MATIONAL DESIGN SPEC, BY ALERA) AND FPI. I'M BCC CONNECTION FALUES ARE MADE OF 20/18/16/6A, (HAPS/SY) ASTM ASS GRADE 40/60 (M. FMI-SS) GALV, STELL, APPLY DLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRAINGS 100A, ANY INSPECTION OF PALVES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF FPII-2002 SEC. 3. A SEA. ON THIS DESIGN OF PALVES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF FPII-2002 SEC. 3.

ITW Building Components Group Haines City, FL 33844 FL CC 140 778

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

JREF -FROM SEQN-HC-ENG

1TIW8228Z01

л D д В В д д	TC LL 20.0 TC DL 10.0 BC DL 10.0 BC LL 0.0 TOT.LD. 40.0 SPACING 24.0	2 D T B B T T	A STATE OF THE PERSON NAMED IN COLUMN NAMED IN	OS/ONAL END	AN TORIOT AN	d STATE OF IR	* 2 *	No 66648	OO CENSE OF
	DL DL DT.LD.	•		w	Sept.	.11	*		WHITE.

DRW HCUSR8228 08185017

JB/DF

45658

DATE REF

07/03/08

Scale = .1875"/Ft. R8228- 85574

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP #2 Dense b #2 Dense b #3 :W12 2x4 SP

#2 Dense:

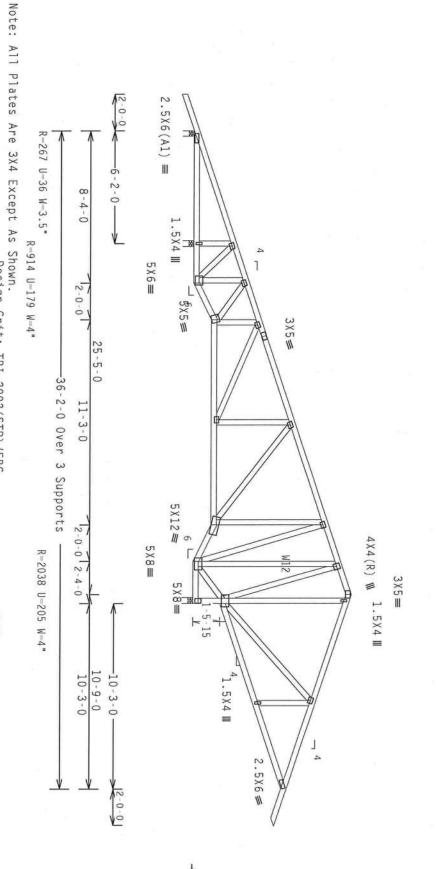
Roof overhang supports 2.00 psf soffit load

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is $1.50\,\mathrm{cm}$

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

Shim all supports to solid bearing.



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

NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA.
ENTERPRISE LANE, MADISON, WI 537199 FOR 5A
OTHERWISE INDICATED TO CHORD SKALL HAVE PRO
A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT*CURHISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY PAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH IP: OR FARITCHING, INSTALLING, BENGING OF TRUSSES.

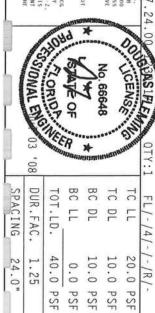
DESIGN CONTROL ON THE PROPERTY OF THE PROPERTY ON THE PROPERTY OF THE PROPERTY OF THE PLOY OF THE PLOY OF THE PROPERTY OF THE PLOY O PLATES TO EACH FACE OF TRUSS

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING ANY INSPECTION OF PLATES FOLLOWED BY (1)

ITW Building Components Group Haines City, FL 33844 FL CQ 1 40 778

ALPINE

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. UNILESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DEAMINGS 160A-Z
BY (1) SMALL BE PER ANNEX A3 OF TPI1-2002 SEC.3.
A SEAL ON THIS
PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE



PSF PSF

HC-ENG

JB/DF

45669

JREF -FROM SEQN-

1TIW8228Z01

PSF

DATE REF

07/03/08

Scale =.1875"/Ft. R8228- 85575

DRW HCUSR8228 08185018

Top chord 2x4 Bot chord 2x4 Webs 2x4 1 SP #2 Dense 1 SP #2 Dense 1 SP #3

Roof overhang supports 2.00 psf soffit load.

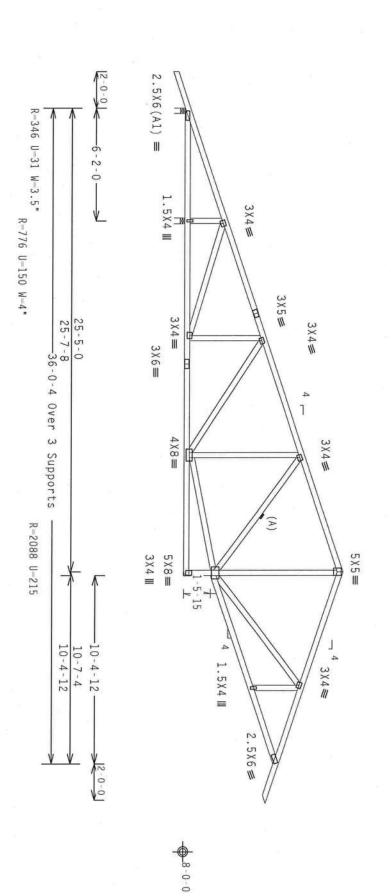
(A) Continuous lateral bracing equally spaced on member.

Shim all supports to solid bearing

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/360 live and L/240 total load. factor for dead load is 1.50. Creep increase



ENTERPRISE LANE, MADISON, HI 537 OTHERWISE INDICATED TOP CHORD SHALL A PROPERLY ATTACHED RIGID CEILING.

Design Crit: TPI-2002(STD)/FBC

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

7.24.00

PLT TYP.

Wave

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, MAY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH IP: OR FARELENTING, HANDLING, SHIPPING, HISTALLING A BRACHING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MUS (MATIONAL DESIGN SPEC, BY AFRY) AND TPI. ITH BCG CONNECTOR PLATES ARE MADE OF 20/18/166A (M.H/SS/K) ANTH ASS) GABDE 40/60 (M. KJH.SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERNISE (COATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEY A 30 OF TPI1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE

DESIGN SHOWN. THE SHITABILITY AND USE OF THIS BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. 32 SEC. 3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE

ITW Building Components Group Inc. Haines City, FL 33844 FL CC 40078

ALPINE

DOUGENS, ORIONAL ENGINEE Vo. 66648 * 08 BC LL DUR.FAC. BC DL TC DL TC LL SPACING TOT.LD. FL/-/4/-/-/R/-10.0 PSF 20.0 PSF 10.0 PSF 0.0

> DATE REF

07/03/08

Scale =.1875"/Ft. R8228- 85576

DRW HCUSR8228 08185019

24.0" 1.25 40.0 PSF PSF JRFF-FROM SEQN-HC-ENG 1TIW8228 JB/DF 45740

VALLEY TRUSS DETAIL

TOP CHORD BOT CHORD 2X3(*) OR 2X4 SP #2N 2X4 SP #3 OR BETTER. 2X4 SP #2 OR SPF #1/#2 SP #2N OR SPF #1/#2 OR BETTER OR BETTER

- 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).
- * ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: SBC 110 MPH, ASCE 7-93 110 MPH OR ASCE 7-98, HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF ASCE 7-02 OR ASCE 7-05 130 MPH. 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR 15' MEAN

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".

MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0"

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST INSTALLATION PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS

PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON

NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

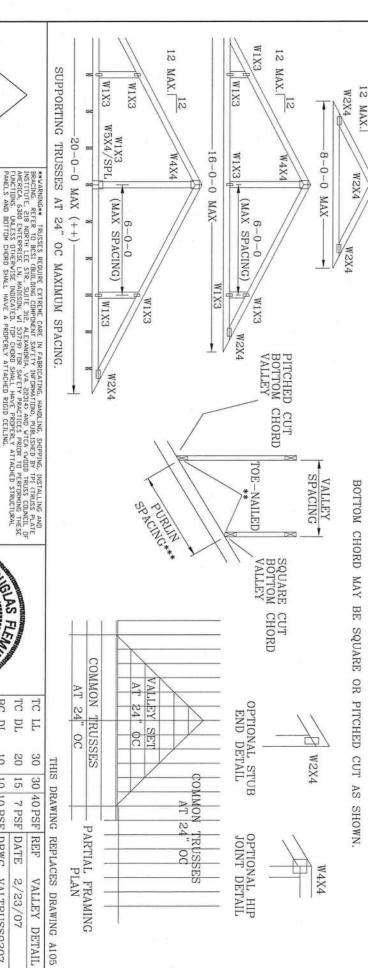
ENGINEERS'

SEALED DESIGN.

CUT FROM 2X6 OR LARGER AS REQ'D

4-0-0 MAX

++ LARGER SPANS MAY NOT EXCEED 12'0". BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES



* TC DL ВС DUR.FAC. 1.25/1.33 1.15 1.15 TOT. LD BC DL E 60 10 20 0 55 10 10 PSF DRWG 15 0 0 PSF 57 PSF 7 PSF DATE -ENG

VALTRUSS0207

2/23/07

MLH/KAR

OF PROFESSIONAL

HE SUITABILITY AND PER

ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA

ALPINE





ASCE 7-98: 110 MPH WIND SPEED, 15 MEAN HEIGHT, ENCLOSED, 11 1.00, EXPOSURE C

		7	M	A	X		(i I	\I	3		E	-3	V	Е	R	27	Ί	С	A	L		L	Ε	N	1(чг Д.	ΓН	
		1	2	,,		0	. (ζ.			1	6	,,		0	.(ζ.			2	4	,,		0	. (С		SPACING	GABL
	1		;	U T	2	TIT	디 디	טרן	CJ			1	7.	2	TIT	口口	777	D T			1	<i>ا</i> ر)	TII	口口	מלק	CIT	SPECIES	2X4 GABLE 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
- 1	4' 11"	5' 0"	101	5.	51	4' 9"	4' 9"	4' 9"	4' 11"	4.		4' 6"	4' 9"	4' 10"	4' 4"	4' 4"		4. 5.	3' 10"			4. 2.	4' 3"		3' 9"		3' 10"	BRACES	NO
	7: 5"	8 5"	8, 5,"	ය ය	8, 5,	7' 3"	1 -	8, 5,		6, 2,	1.03		7' 8"	7' 8"		1		1 27	5, 3,	6' 1"	6, 5,	6' 8"	6' 8"	-3	6' 0"		6' 8"	GROUP A	(1) 1X4 "L"
- 1	7' 5"	8' 7"	8, 5,	9' 1"	9' 1"	100	1.5	8, 5,	8' 8"	6, 2,	1.50	7' 7"		1			7' 4"	7' 10"			6, 5,	7' 2"	7' 2"			6' 0"	6' 10"	GROUP B	" BRACE *
- 1	9' 10"	10' 0"		10' 0"			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"	E 33	7' 11"	7' 11"	6' 9"	7' 11"	7' 11"	7' 11"	GROUP A	(1) 2X4 "L"
- 1	9' 10"	10' 6"	10' 6"	10' 9"	10' 9"	9' 7"	10' 0"	10' 0"	10' 3"		9' 6"		100	9' 9"	8' 4"		9' 1"	9' 4"	6' 11"		8' 1"	8' 6"	8' 6"	6' 9"	7' 11"	7' 11"	8' 1"	GROUP B	BRACE *
- 1	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"		9' 5"	. 3	9' 5"	9. 5."		9' 5"	9' 5"	9' 5"	GROUP A	(2) 2X4 "L"
- 1	12' 3"		12' 6"		12' 10"	11' 11"	11' 11"	11' 11"	12' 3"	11, 1,"	11' 4"	11' 4"	11' 8"	11'8"		10' 10"	10' 10"		9' 4"	9' 11"		10' 2"	10' 2"	9' 1"	9' 5"	9' 5"	9' 8"	GROUP B	BRACE **
- 1	14' 0"	14' 0"	14' 0"		14' 0"	30	14' 0"	14' 0"		13′ 3″	14' 0"	14' 0"	14' 0"	14' 0"	12' 11"			14' 0"					12' 5"		12' 3"	12' 4"	12' 5"	GROUP A	(1) 2X6 "L"
						14' 0"		14' 0"																	12′ 3″			GROUP B	BRACE *
- 1										14' 0"												- 49			14. 0.			GROUP A	(2) 2X6 "L"
- 11	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14′0″	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	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 **

BOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE #3 STUD

STANDARD

GROUP

Ħ

HEM-FIR

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

#3 #2

STANDARD

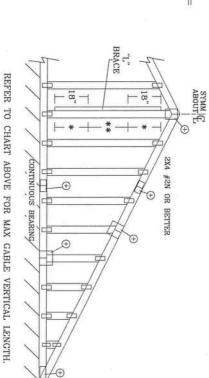
HEM-FIR

BRACING GROUP SPECIES

AND GRADES:

GROUP

A:



DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

2X4 STUD. #3 OR BETTER DIAGONAL BRACE: SINGLE

OR DOUBLE CUT (AS SHOWN) AT UPPER END.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

BRACE IS

USED.

CONNECT

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL

GABLE TRUSS

GABLE TRUSS DETAIL NOTES:

SOUTHERN PINE

DOUGLAS FIR-LARCH

#2

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0"
OUTLOCKERS WITH 2' 0" OVERHANG, OR 12"
PLYWOOD OVERHANG.

- ATTACH EACH "L" BRACE WITH 10d NAILS.

 * FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C.

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

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

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

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

 GABLE VERTICAL PLATE SIZES

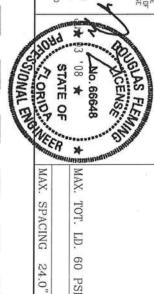
REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.	GREATER THAN 11' 6"	GREATER THAN 4' O", BUT LESS THAN 11' 6"	LESS THAN 4' 0"	VERTICAL LENGTH	GABLE VERTICAL PLATE SIZES
DESIGN FOR PLATES.	2.5X4	2X4	1X4 OR 2X3	NO SPLICE	E SIZES

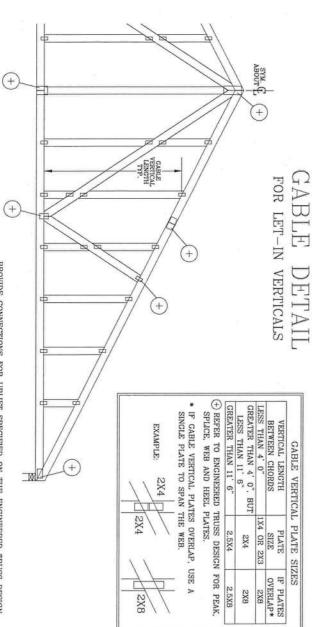
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST GUILDING COMPORENT SAFETY INFORMATION, PUBLISHED BY TPI GTRUSS PLATE INSTITUTE, 218 MOBTH LEE STR., SUITE 218, ALEXANDRIA, VA. 22314) AND WTCA CYCID TRUSS COUNCIL DARRERICA. 6300 ENTERPRISE LIJ, MADISON, WI 33739; FDR SAFETY PRACTICES PRIDE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TIP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

MOT BE RESPONSIBLE FOR ANY DEVALUE OF THIS DESIGN OF DIVERALLATION CONTRACTOR. ITY BCG, NC., SHALL OUR PER RESPONSIBLE FOR ANY DEVALUE OF THE STREET OF THE

ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA

ALPINE





WEB LENGTH INCREASE W/

WIND SPEED

AND MRH

MBR. SIZE REINF.

SBCCI

ASCE

BRACE

110 MPH 110 MPH

30 FT 15 FT

2x6 2x6 MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14" FROM TOP TO BOTTOM CHORD.

APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR 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

TOENAIL

TOENAIL

2X4 "T" REINFORCING MEMBER

2X6 "T" REINFORCING MEMBER

ATTACH EACH "T" REINFORCING MEMBER WITH PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN

HAND DRIVEN NAILS:

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

GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C.
(4) TOENAILS IN TOP AND BOTTOM CHORD. PLUS

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

"T"
REINFORCINGMEMBER

4 TOENAILS

RIGID SHEATHING

TRUSS

TOENAILS SPACED AT 4" O.C.

ASCE 7-93 GABLE DETAIL DRAWINGS

ASCE 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 A08530EC0207

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

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SECCI A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207 A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

4 TOENAILS

CEILING

EXAMPLE: MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3" "T" BRACE INCREASE (FROM ABOVE) = 10% = (1) 2X4 "L" BRACE LENGTH = 6' 7" GABLE VERTICAL = 24" O.C. SP #3 MEAN ROOF HEIGHT = 30 FT ASCE WIND SPEED = 100 MPH 'T" REINFORCING MEMBER SIZE = 2X4 100 MPH 15 FT 100 MPH 30 FT 70 MPH 70 MPH 80 MPH 80 MPH 90 MPH 90 MPH 30 FT 30 FT 15 FT 30 FT 2x6 2x4 2x6 2x4 2x4 2x6 2x4 2x4 2x4 10 % % 1.10

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 80 HC26294035



AVAGNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. BEFER TO BEST (BUILDING CIDMPINENT SAFETY INFORMATION), PUBLISHED BY TET (TRUSS PLATE INSTTUTE, 218 NORTH LEE STER, SUITE 128, ALEXANDRIA, VA. 22314) AND YICA CYODID TRUSS CIDMCID. INSTITUTE, 218 NORTH LEE STER, SUITE 128, ALEXANDRIA, VA. 22314) AND YICA CYODID TRUSS CIDMCID. AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PACTICES PRIDE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTICED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL

WHIPERFANIX* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONFACTIOR. ITY BCG, INC., SMANDER RESPONSIBLE FER AND REVIAITUR FROM HIS DESIGN, ANY FAILURE TO BUILD HE FRIESS. DESIGN CONFERENCE WITH 1911 DR FABRICATING AND LING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFRECTIOR PLATES ARE HADE OF PROVISIONS OF AUSTONICAL DESIGN SPEC. BY ASSAY AND ITY. BCG, CONNECTIOR PLATES, ARE HADE OF PROVISIONS OF AUSSAY. AS IN A 4633 GRADE 40,660 WKM. AS ITT., BCG, CONNECTIOR PLATES OF HADE AND LING WKM. HAS ITT. BCG, BY AND LING WKM. HADE OF PROFESSION OF THIS COMPONENT FIR HAD SIDELY FOR THE TRUSS COMPONENT DESIGN SOUTH THE BUILDING DESIGNER, PARTICIPATION OF THE BUILDING DESIGNER.

ASCE 7-02: 110 MPH WIND SPEED, 15 MEAN HEIGHT, ENCLOSED, 11 .00, EXPOSURE Ω

#1 / #2 STANDARD #3 STUD

#3

STANDARD STUD

HEM-FIR

DOUGLAS FIR-LARCH

SOUTHERN PINE

STANDARD #3

STANDARD

STUD

GROUP

₩.

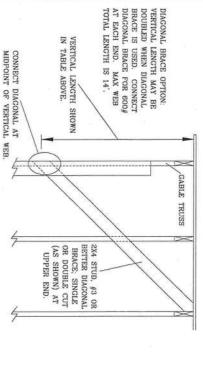
#1 & BTR #1

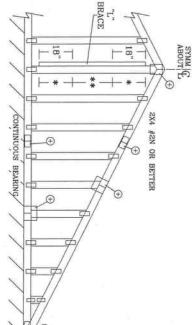
BRACING GROUP SPECIES AND GRADES:

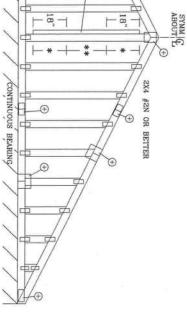
GROUP

A

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	1	2	,,	9	0	. (ζ.			1	6	,,		0	. (J.			2	4	,,		0	. (С	•	SPACING	GABL
		1	() T	j	TIT	E E	STI	C E E E		H.	1	7)	TII	I I	770	C J J		L H	1	7) j	TIT	<u>-</u>	770	C T T	SPACING SPECIES	2X4 GABLE VERTICAL
STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	GRADE	BRACE
4' 11"	5' 0"		5. 3."	5. 4."	- 5	4' 9"		4' 11"	4' 5"	4' 6"	4' 6"	4' 9"	4' 10"	4' 4"	4' 4"	4' 4"	4' 6"	3' 10"	4' 0"	4' 0"	4. 22.	4' 3"	3' 9"	3' 9"	3′ 9″	3' 10"	BRACES	NO
7' 5"	- 3	8 5	8' 5"	8' 5"		8' 5"			6' 5"	7' 6"	7' 7"	7' 8"		6' 4"	7' 4"	7' 4"		5 3		10.1	6' 8"	6' 8"	5' 2"	6' 0"	6' 0"	6' 8"	GROUP A	(1) 1X4 "L"
7' 5"	1 7	8' 5"	9' 1"	9' 1"	7' 3"	8, 2,	100	8' 8"			7' 7"	ස ය .	8' 3"	6' 4"	7' 4"	7' 4"		5, 3,	6' 1"	6' 2"	7' 2"	7' 2"	5, 5,	6' 0"	6' 0"	6' 10"	GROUP B	BRACE .
9' 10"		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"
9' 10"	10' 6"	10' 6"	10' 9"		9' 7"	10' 0"		10' 3"	8' 6"	9' 6"	9' 6"	9' 9"	9' 9"	8' 4"	9' 1"	100	9' 4"	6' 11"	8' 0"	8' 1"	8' 6"	8' 6"	6' 9"	7' 11"	7' 11"	8′ 1″	GROUP B	L" BRACE .
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"	9' 4"			9' 5"	9, 5,	9' 1"	9' 5"	9' 5"	9' 5"	GROUP A	(2) 2X4 "L"
12' 3"		12' 6"	12' 10"	12' 10"		11' 11"	11' 11"	12' 3"	11' 1"	11' 4"	11' 4"	11. 8.	11' 8"	10' 10"	10' 10"		11' 1"	9' 4"	9' 11"	-	10' 2"	10' 2"		9' 5"			GROUP B	BRACE
14' 0"	14' 0"	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"	14' 0"	10, 10,	12, 5,"		12' 5"	12' 5"		12' 3"		12' 5"	GROUP A	(1) 2X6
14' 0"	- 1	14' 0"	1	7.1	14' 0"	14' 0"	14' 0"	mon													13′ 5″					12' 9"	GROUP B	"L" BRACE .
14' 0"	. 1	14' 0"	- 1		. 71	111	100		14' 0"						14' 0"		14' 0"		14' 0"		14' 0"	- 1	- 1	14' 0"	14' 0"	14' 0"	GROUP A	(2) 2X6 "L"
14' 0"	14' 0"								14' 0"												14' 0"		- 21	- 1		14' 0"	GROUP B	BRACE **







GABLE TRUSS DETAIL NOTES:

SOUTHERN PINE

DOUGLAS FIR-LARCH #1 #2

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

*TRACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2 O.C.

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

** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. MEMBER LENGTH "L" BRACING MUST BE A MINIMUM OF 80% OF WEB IN 18" END ZONES AND 6" O.C. BETWEEN ZONES

REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.	GREATER THAN 11' 6"	GREATER THAN 4' O'	LESS THAN 4' 0"	VERTICAL LENGTH	GABLE VERTICAL PLATE SIZES
TRUSS		BUT			PLA
PLATES.	2.5X4	2X4	-	NO SPLICE	IE SIZES

, INC.	Ш
TOP THE RESPONSE OF THE RESPON	INTERPORTANTS FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR IT TO SEE SHALL
No. 66648 W 03 '08 ★ STATE OF	A DOWN JOHNS

ITWBUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA

ALPINE

WARNING TRUSSES REQUIRE EXTREME CARE IN FARRICATING, HANDING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST CRUILDING COMPONENT SAFETY INGRENATION, PUBLISHED BY THI CIRCUS PLATE INSTITUTE, 218 NURTH LEE STR., SUITE 312, ALEXANIRIA, VA. 22314) AND VTCA VCODD TRUSS COUNCIL MARKICA, 6430 ENTERRISE LN, HADISIN, VI 53719) FOR SAFETY PRACTICES PRIDE TO PERFORMIG THESE FUNCTIONS. UNLESS DIMPRISE INDICATED, TO PERFORMING THESE PURCTIONS. UNLESS DIMPRISE INDICATED, TO PERFORMING THE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED RIGID CEILING.

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH

YEER * MAX. MAX. TOT. LD. SPACING 24.0"

60 PSF DRWG DATE REF A11015EE0207 2/23/07 ASCE7-02-GAB11015

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

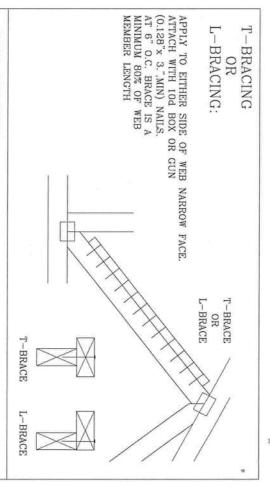
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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

2-2X6	2X6	2 ROWS	2X8
1-2X8	2X6	1 ROW	2X8
2-2X4(*)	2X6	2 ROWS	2X6
1-2X6	2X4	1 ROW	2X6
2-2X4	2X6	2 ROWS	OR
1-2X4	2X4	1 ROW	2X3 OR 2X4
SCAB BRA	T OR L-BRACE SCAB BRACE	BRACING	SIZE
E BRACING	ALTERNATIV	SPECIFIED CLB	EB MEMBER

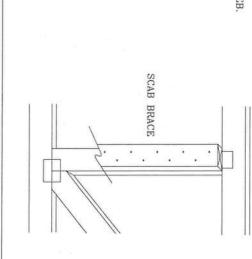
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

* 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. ATTACH WITH 10d BOX OR GUN APPLY SCAB(S) TO WIDE FACE OF WEB.



THIS DRAWING REPLACES DRAWING 579,640



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST GBUILDING COMPINENT SAFETY INFORMATINGN, DUBLISHED BY TET CIRUSS PLATE INSTTUTE, 218 NUBER LEE SER, SUITE 212, ALEXANDRIA, VA. 22314) AND VTCA A'CUIDD TIXUS CIDUNCIL MARTICA, 6300 ENTERRISE LM, MADISON, VI 53719) FOR SAFETY PRACTICES PRIDE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTICENED, TOPORO SHALL HAVE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL

WHIPDER/ANIAW FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITY DGG, INC., SMALL

ROTHER RESPONSIBLE FOR ANY ENVALUE THIS DESIGN, ANY FAILURE ID BUILD HE FUNS. IN

COMPERMANCE WITH 1P1, DR FABRICATING, HAMILING, SHIPPING, INSTALLING & BEACKING OF TRUSKS. IN

DESIGN. CONFIDENCY WITH APPLICABLE PROPUSIONS OF DIAS CANTIONAL DESIGN SPEC, BY AFROM AND PL.

ITY, BOG COMMETTER PLATES, ARE MADE OF 20/18/1/65A (A.H./S.S.) ASTAM A653 GRADE 40/60 (A.K./A.S.S)

GALV. STELL, APPLY PLATES, ARE MADE OF 20/18/1/65A (A.H./S.S.) AND THE STANDARD BY SHALL BE PER

ANNEY A 3D THIS TO PROPURE THE STANDARD SEC. ANY INSPECTION OF PLATES FOLLOWED BY OF SHALL BE PER

ANNEY A 3D THI 1-2002 SEC. 3. A STAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROPESSIONAL

USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER

ANSIEY A 3D THIS THE PROPESSION AND THE STANDARD SECONDARD SECONDARD SECONDARD.

AND THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER

AND THE STANDARD SEC. 3.

STORE STORES 72 OK SONAL ENG STAT ₩ 80. No. 6

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	PSF	PSF -	PSF DI	PSF D	PSF REF
		ENG	RWG	ATE	EF
		MLH/KAR	BRCLBSUB0207	2/23/07	CLB SUBST
	TE OF DUR. FAC.	TOT. LD. DUR. FAC.	BC LL PSF —ENG TOT. LD. PSF DUR. FAC.	BC LL PSF DRWG BC LL PSF -ENG TOT. LD. PSF DUR. FAC.	TC DL PSF DATE BC DL PSF DRWG BC LL PSF —ENG TOT. LD. PSF

Residential System Sizing Calculation

Summary Project Title:

Camiel Residence

Debra Camiel

Code Only **Professional Version** Climate: North

Lake City, FL 32024-

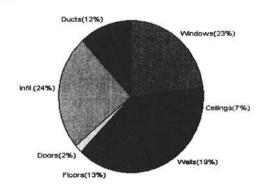
7/3/2008

				11012000	
Location for weather data: Gaine	sville - Def	aults: Latitu	ude(29) Altitude(152 ft.) Temp Ran	ige(M)	
Humidity data: Interior RH (50%) Outdoor	wet bulb (7	7F) Humidity difference(54gr.)		
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	15239	Btuh	Total cooling load calculation	20128	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	118.1	18000	Sensible (SHR = 0.75)	83.5	13500
Heat Pump + Auxiliary(0.0kW)	118.1	18000	Latent	113.7	4500
			Total (Electric Heat Pump)	89.4	18000

WINTER CALCULATIONS

Winter Heating Load (for 854 sqft)

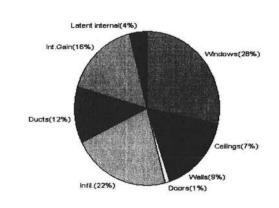
Load component			Load	
Window total	110	sqft	3541	Btuh
Wall total	870	sqft	2857	Btuh
Door total	20	sqft	259	Btuh
Ceiling total	895	sqft	1055	Btuh
Floor total	125	sqft	2044	Btuh
Infiltration	91	cfm	3690	Btuh
Duct loss			1793	Btuh
Subtotal			15239	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			15239	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 854 sqft)

Load component			Load	-1-1-1
Window total	110	sqft	5714	Btuh
Wall total	870	sqft	1815	Btuh
Door total	20	sqft	196	Btuh
Ceiling total	895	sqft	1482	Btuh
Floor total			0	Btuh
Infiltration	80	cfm	1483	Btuh
Internal gain			3320	Btuh
Duct gain		- 1	2160	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			16169	Btuh
Latent gain(ducts)			246	Btuh
Latent gain(infiltration)			2913	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occup	pants/othe	r)	800	Btuh
Total latent gain		100	3959	Btuh
TOTAL HEAT GAIN			20128	Btuh



Version 8 For Florida residences only

EnergyGauge® System Siz PREPARED BY: _ DATE:

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Camiel Residence

Project Title: Debra Camiel Code Only Professional Version

Climate: North

Lake City, FL 32024-

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

7/3/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	E	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	S	60.0	32.2	1931 Btuh
3	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
	Window Total		110(sqft)		3541 Btuh
Walls	Туре	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	870	3.3	2857 Btuh
	Wall Total		870		2857 Btuh
Doors	Туре		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	895	1.2	1055 Btuh
	Ceiling Total		895		1055Btuh
Floors	Туре	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	125.0 ft(p)	16.4	2044 Btuh
	Floor Total		125		2044 Btuh
			Envelope	Subtotal:	9756 Btuh
Infiltration	Туре	ACH X Vo	lume(cuft) walls(s	sqft) CFM=	The second secon
	Natural	0.80	6832 870	91.1	3690 Btuh
Ductload				(DLM of 0.133)	1793 Btuh
All Zones		Sen	sible Subtotal	All Zones	15239 Btuh

WHOLE HOUSE TOTALS

Subtotal Sensible	15239 Btuh
Ventilation Sensible	0 Btuh
Total Btuh Loss	15239 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)
Project Title:

Camiel Residence

Debra Camiel

Code Only Professional Version

Climate: North

7/3/2008

Lake City, FL 32024-

EQUIPMENT

1. Electric Heat Pump

18000 Btuh

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

(HTM - ManualJ Heat Transfer Multiplier)

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



Version 8 For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Camiel Residence

Project Title: Debra Camiel Code Only Professional Version

Climate: North

Lake City, FL 32024-

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

7/3/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	E	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	S	60.0	32.2	1931 Btuh
3	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
	Window Total		110(sqft)		3541 Btuh
Walls	Туре	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	870	3.3	2857 Btuh
	Wall Total		870		2857 Btuh
Doors	Туре		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	895	1.2	1055 Btul
	Ceiling Total		895		1055Btuh
Floors	Туре	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	125.0 ft(p)	16.4	2044 Btuh
	Floor Total		125		2044 Btul
		Z	one Envelope S	ubtotal:	9756 Btuh
Infiltration	Туре	ACH X Vol	ume(cuft) walls(sq	ft) CFM=	
	Natural	0.80	6832 870	91.1	3690 Btuh
Ductload	Extremely sealed, Supply(R	6.0-Attic), Ret	urn(R6.0-Attic) (D	DLM of 0.133)	1793 Btuh
Zone #1		Sen	sible Zone Subt	otal	15239 Btul

		MHO	EH	OUSE	TOTA	ALS
--	--	-----	----	------	------	-----

Subtotal Sensible	15239 Btuh
Subtotal Sensible	15239 Bluit
Ventilation Sensible	0 Btuh
Total Btuh Loss	15239 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title: Cod

Camiel Residence

Debra Camiel

Code Only **Professional Version**

Climate: North

7/3/2008

Lake City, FL 32024-

EQUIPMENT

1. Electric Heat Pump

18000 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

Camiel Residence

Project Title: Debra Camiel Code Only Professional Version

Climate: North

Lake City, FL 32024-

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

7/3/2008

Component Loads for Whole House

	Type*		Over	hang	Win	dow Are	a(sqft)	H	ITM	Load	
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1 2 3	2, Clear, 0.87, None,N,N 2, Clear, 0.87, None,N,N 2, Clear, 0.87, None,N,N Window Total	S W	1.5ft 7.5ft 1.5ft	8ft. 8ft. 8ft.	20.0 60.0 30.0 110 (0.0 60.0 0.0 sqft)	20.0 0.0 30.0	29 29 29	80 34 80	1590 1738 2385 5714	Btuh Btuh Btuh Btuh
Walls 1	Type Frame - Wood - Ext Wall Total		R-Va	13.0/	I-Value _{0.09}	87	(sqft) 70.0 70 (sqft)		HTM 2.1	Load 1815 1815	Btuh Btuh
Doors 1	Type Insulated - Exterior Door Total					Area 2	(sqft) 0.0 20 (sqft)		HTM 9.8		Btuh Btuh
Ceilings 1	Type/Color/Surface Vented Attic/DarkShingle Ceiling Total		R-Va	alue 30.0		89	(sqft) 5.0 95 (sqft)		HTM 1.7	Load 1482 1482	Btuh Btuh
Floors	Type		R-Va	alue		S	ize		HTM	Load	
1	Slab On Grade Floor Total			5.0			25 (ft(p)) .0 (sqft)		0.0		Btuh Btuh
						E	nvelope	Subtota	ı:	9206	Btuh
nfiltration	Type SensibleNatural		A	CH 0.70	Volum	ne(cuft) 6832	wall area	(sqft)	CFM= 91.1	Load 1483	Btuh
Internal gain			Occup	ants 4		Btuh/o X 23	ccupant 30 +		Appliance 2400	Load 3320	Btuh
						S	ensible E	Envelope	e Load:	14010	Btuh
Duct load				- 111-141			(DGI	M of 0.1	54)	2160	Btuh
						Se	nsible L	oad All	Zones	16169	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)
Project Title:

Camiel Residence

Lake City, FL 32024-

Debra Camiel

Code Only Professional Version Climate: North

7/3/2008

WHOLE HOUSE TOTALS

		T	
	Sensible Envelope Load All Zones	14010	Btuh
	Sensible Duct Load	2160	Btuh
	Total Sensible Zone Loads	16169	Btuh
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	Total sensible gain	16169	Btuh
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	2913	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	246	Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800	Btuh
	Latent other gain	0	Btuh
	Latent total gain	3959	Btuh
	TOTAL GAIN	20128	Btuh

EQUIPMENT		
1. Central Unit	#	18000 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 O
Debra Camiel Profess

Camiel Residence

Code Only Professional Version

Climate: North

Lake City, FL 32024-

7/3/2008

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

Component Loads for Zone #1: Main

	Type*		Over	hang	Wind	dow Area	a(sqft)	H	ITM	Load	
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded			
1 2 3	2, Clear, 0.87, None,N,N 2, Clear, 0.87, None,N,N 2, Clear, 0.87, None,N,N Window Total	S W	1.5ft 7.5ft 1.5ft	8ft. 8ft. 8ft.	20.0 60.0 30.0 110 (0.0 60.0 0.0 sqft)	20.0 0.0 30.0	29 29 29	80 34 80	1738	Btuh
Walls 1	Type Frame - Wood - Ext Wall Total		R-Va	13.0/	I-Value 0.09	87	(sqft) 0.0 (0 (sqft)		HTM 2.1	Load 1815 1815	Btuh Btuh
Doors 1	Type Insulated - Exterior Door Total						(sqft) 0.0 0 (sqft)		HTM 9.8	10.00	Btuh Btuh
Ceilings 1	Type/Color/Surface Vented Attic/DarkShingle Ceiling Total		R-Va	30.0			(sqft) 5.0 5 (sqft)		HTM 1.7	Load 1482 1482	Btuh Btuh
Floors 1	Type Slab On Grade Floor Total		R-Va	alue 5.0		12	ze 25 (ft(p)) 0 (sqft)		HTM 0.0	100	Btuh Btuh
						Z	one Enve	elope Si	ubtotal:	9206	Btuh
Infiltration	Type SensibleNatural		Α	CH 0.70	Volum	e(cuft)	wall area	(sqft)	CFM= 79.7	Load 1483	Btuh
Internal gain			Occup	oants 4		Btuh/od X 23	ccupant 0 +	•	Appliance 2400	Load 3320	Btuh
						S	ensible E	Envelop	e Load:	14010	Btuh
Duct load	Extremely sealed, Supp	oly(R6.0)-Attic), Ret	urn(R6	0-Attic)		(DGM	of 0.154)	2160	Btuh
							Sensib	le Zon	e Load	16169	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)
Project Title:

Camiel Residence

Lake City, FL 32024-

Debra Camiel

Code Only **Professional Version** Climate: North

7/3/2008

WHOLE HOUSE TOTALS

		Ι	
	Sensible Envelope Load All Zones	14010	Btu
	Sensible Duct Load	2160	Btul
	Total Sensible Zone Loads	16169	Btu
	Sensible ventilation	0	Btu
	Blower	0	Btu
Whole House	Total sensible gain	16169	Btu
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	2913	Btu
	Latent ventilation gain	0	Btu
	Latent duct gain	246	Btu
	Latent occupant gain (4 people @ 200 Btuh per person)	800	Btu
	Latent other gain	0	Btu
	Latent total gain	3959	Btu
	TOTAL GAIN	20128	Btu

Environmental and their sons income	PASSAC MARCHES STAR ALLES FOR AMERICAN ACTIONS (IEEE INSTITUTE IN
EQUIPMENT	

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

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value) (BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8 For Florida residences only

Residential Window Diversity

MidSummer

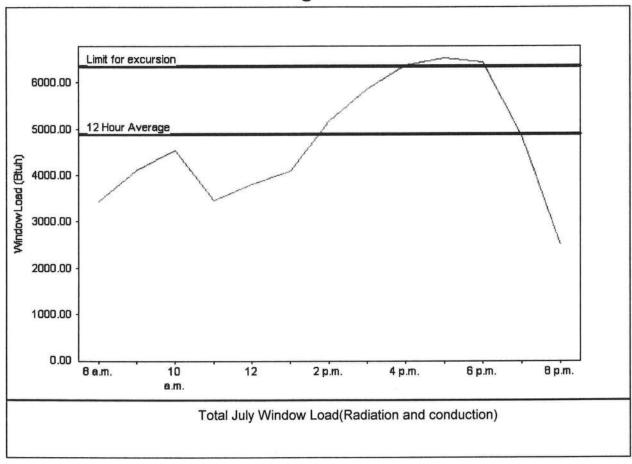
Camiel Residence Lake City, FL 32024Project Title: Debra Camiel Code Only Professional Version Climate: North

7/3/2008

Weather	data for:	Gainesville	- Defaults	

Summer design temperature	92	F	Average window load for July	4886 Btuh
Summer setpoint	75	F	Peak window load for July	6535 Btuh
Summer temperature difference	17	F	Excusion limit(130% of Ave.)	6351 Btuh
Latitude	29	North	Window excursion (July)	184 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only PREPARED BY: _______
DATE: _____





INSTALLATION INSTRUCTIONS FOR NEW CONSTRUCTION VINYL FIN WINDOWS

READ THESE INSTRUCTIONS COMPLETELY BEFORE 6E6 NINNS. Please inspect your N. Windows and Doors, induction throughly before beginning instrusion, inspecting specime products and do no instruct there is any observable transpect or transpect of products per national state and there is any observable product speciments are transpect instructions to use important information regarding your production may instruct requirements for example, types of instructions to be used with impact resistant who has a not limited from the product may be instructed and or the product may be instructed and or the product may be instructed. If you do not consider the product may be instructed and or the product may be instructed and or the product may be instructed.

FAILURE TO FOLLOW THESE INSTRUCTIONS AND BUILDING CODE REQUIREMENTS, MAY AFFECT THE REMEDIES AVAILABLE UNDER YOUR WARRANTY

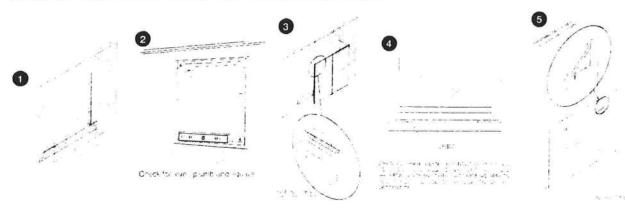
- 1 FITHE BUILDING HAS A WEATHER RESISTANT BARRIER WRB; I EL HOUSE WIRAP PREPARE THEOPENING ACCORDING TO WRB MANUFACTUREPS INSTRUCTIONS LAT EACH TOP CORNER MAKE A 45 CUT IN THE WRB. HOLD UP THE WRB SO THAT THE TOP NAIL FIN OF THE UNIT CAN BE INSTALLED UNDERNEATH IT USER FIGURE THEORY FLASHING OF THE WINDOW OPENING IS RECOMMENDED AND MAY BE REQUIRED BY SOME BUILDING CODES.
- 2 MAKE SURE THE ROUGH OPENING IS PLUMB, SOLARE AND THE SILL PLATF IS LEVEL HOUGH OPENINGS SHOULD BE 1.0" LARGER THAN WINDOW FRAME IN WIDTH & HEIGHT USee Figure 2 below).
- 3 CLOSE & LOCK THE SASH THROUGHOUT INSTALLATION. KEEP THE SIDE JAMES PLUME & SQUAPE WITH HEAD AND SILL, BE CAPEFUL NOT TO CROWN UPING BOW DOWN! THE SILL OF HEAD CONSTANTLY CHECK WIDTH AT THE MEETING PAILS OF SINGLE AND DIDUBLE HUNGS (CENTER POINT ON CASEMENTS) TO AVOID A BOWED OUT INSTALLATION. WHEN USING APPLY THE SOTTOM PIECE BEFORE INSTALLING THE WINDOW. (See Figure 1 delay, Flashing MUST BE FATED TO MEET ASTY DATE 24 HOUR WATER RESISTANCE TEST.)
- 4 APPLY A CONTINUOUS 3.61 SEAD OF PREMIUM GRADE, COMPATIBLE EXTERIOR SEALANT TO THE INTERIOR, BACKSIDE OF THE NAIL FININEAR THE OUTSIDE EDGE IN LINE WITH THE PRE-PUNCHED HOLES ON ALL SIDES PRIOR TO SETTING THE WINDOW, NTO THE ROUGH OPENING, (See Figure 3 policy)
- 5 PLACE 1.4" FLAT SHIMS ON THE ROUGH OPENING SILL PLATE LYNDER THE BOTTOM CORNERS OF THE WINDOW, See Figure 4 below: THESE SHIMS SHOULD BE REMOVED WHEN INSTALLATION IS COMPLETE. DO NOT PLACE SHIMS OF ELOCKS UNDER THE SILL EXCEPT AT THE FRAME CORNERS. SET THE WINDOW ONTO THE SHIMS CENTERING THE WINDOW IN THE OPENING ALLOWING EQUAL SPACE ON ELTHER SIDE. FOR WINDOWS WITH HITERWEDIATE LAMBS AND ALL SLIDER WINDOWS. CONTINUOUS SHIM OP HORIZONTAL SHIMS APE RECOMMENDED UNDER BACH INTERPREDIATE LAMB AND MEETING FRUIT OF ENSURE SILL IS LEVEL.) THESE SILL SHIMS SHOULD REMAIN AFTER INSTALLATION IS COMPLETE. APPLY ADDITIONAL SHIPS AS NECESSARY TO DAILYTAIN A LEVEL OLD. THROUGHOUT INSTALLATION.
- 6 PLACE A TEMPORARY FASTENER IN THE SLOT PROVIDED IN THE NAIL FIN ON EACH TOP CORNER CHECK LEVEL AND SQUARE OF THE WINDOW BY MEASURING THE DIAGONALS. OPEN BOTTOM SASH CHECK THE REVEAL ISPACE; BETWEEN THE BOTTOM OF THE SASH AND THE WINDOW SILL CLOSE AND RELOCK THE SASH, ADJUST IF NECESSARY PLACE ADDITIONAL FASTENERS IN THE BOTTOM CORNERS CHECKING WINDOW AGAIN FOR LEVEL PLUMB AND SQUARE.
- 7. SECURE THE WINDOW WITH FASTENERS THAT PENETFATE THE FRAMING BY A MINIMUM OF 1° CARE SHOULD BE TAKEN TO INSTALL FASTENERS STRAIGHT NOT ANGLED KEEP THE SASH LOCKED UNTIL ALL SIDES ARE SECURE PRIOR TO FASTENING THE SILL AND HEAD BE SURE THEY ARE STRAIGHT AND LEVEL FASTENERS SHOULD BE APPLIED SECURELY INTO EVERY OTHER SLOT ON ALL SIDES, DO NOT DISTORT THE NAIL FIN WITH THE FASTENERS.
- 8 APPLY SEALANT OVER EXPOSED FASTENER HEADS, ANY UNUSED SLOTS AND THE OUTSIDE EDGE OF THE NAIL FIN WHERE IT COMES IN CONTACT WITH THE WPB SHEATING OR IF FLASHING (WINDOW TAPE) IS BEING USED. NOTE, SILL FLASHING SHOULD HAVE BEEN APPLIED PRIOR TO INSTALLING THE WINDOW APPLY THE SIDE FLASHING ON TOP OF THE NAIL FIN OVERLAPPING THE SILL FLASHING AND EXTENDING UP PAST THE TOP NAIL FIN APPROXIMATELY 2° THEN APPLY THE TOP FLASHING ALSO OVER THE NAIL FIN. OVERLAPPING THE SIDE PIECES AND EXTENDING PAST THE SIDE FLASHING BY APPROXIMATELY 1° LASTLY FOLD DOWN THE WRB FLAP OVER THE FLASHING. TAPE THE DIAGONAL CUTS ABOVE EACH CORNER, (SEE FIGURE #5 BELOW).
- 9. PLACE SHIMS AT THE MEETING RAIL CHECK RAIL ON THE SIDE JAMES TO PREVENT BOWING, THESE SHIMS SHOULD REMAIN AFTER INSTALLATION. CAUTION SHOULD BE TAKEN AS TO NOT OVER SHIM. CAUSING DEFLECTION OF THE FRAME AND HINDER SASH OPERATION, CHECK THE FRAME WIDTH AT TOR MIDDLE AND BOTTOM. IF NOT THE SAME. SHIM ACCORDINGLY UNLOCK AND OPERATE THE SASHIS! VISUALLY INSPECT ALL BIGHT LINES, ADJUST OF SHIM AS REQUIRED TO ASSURE CONSISTENT SASH PEVEAL AND EASE OF OPERATION.
- 10 INSULATE BETWEEN THE WINDOW FRAME & POUGH OPENING WITH FIBERGLASS INSULATION OR EQUAL. THE SPACE MAY BE EFFECTIVELY FILLED WITH MEASURED USE OF LOW EXPANSION FOAM BUT ONLY AFTER DETERMINING THAT FOAM WILL NOT EXERT PRESSURE AGAINST THE FRAME, WHICH CAN IMPAIR OPERATION DISTORTION OF THE FRAME WILL AFFECT THE USER'S RIGHTS UNDER THE WARRANTY.
- 11 ALLOW A 1.4" GAP BETWEEN THE EXTERIOR CLADDING, SIDING, BACK, STUCCO UR STONE AND THE WINDOW FRAME ON ALL SIDES (EXCEPT VINYL JICHANNEL)
 THE GAP (EXPANSION JOINT) SHOULD BE FILLED WITH CORPECT SIZE BACKEP ROD, THEN SEALED WITH A HIGH GRADE EXTERIOR SEALANT AND WILL NEED TO BE MAINTAINED.

CAUTION:

- USE OF SOLVENTS OR ACIDS WILL DAMAGE COMPONENTS OF THIS PRODUCT AND WILL LIMIT RIGHTS UNDER THE WARRANTY
- VINYL WINDOWS HAVE PRE-PUNCHED SLOTS FOR INSTALLATION FASTENING IN ANY OTHER PORTION MAY PERMANENTLY DAMAGE UNIT WHICH WILL LIMIT RIGHTS UNDER THE WARRANTY
- IT IS THE SOLE RESPONSIBILITY OF THE OWNER LARGETTECT, AND URRENDED TO SELECT CORRECT PRODUCTS TO BE IN COMPLIANCE WITH APPLICABLE LAWS. SITE REQUIREMENTS AND BUILDING CODES AND TO ENSURE THAT INSTALLATION IS IN COMPLIANCE WITH APPLICABLE LAWS. SITE REQUIREMENTS AND BUILDING CODES
- . DO NOT STORE IN THE SUN OR LAY FLAT BEFORE OP DURING INSTALLATION
- ANY PENETRATIONS (e.g. ALARM SENSORS) MADE THROUGH ANY PORTION OF ANY MILL BETTERRICT OR GARLTOUR PRODUCT MAY AFFECT SIGHTS UNDER THE MANUFACTURER'S WARPANTY
- SOME LAWS AND BUILDING CODES REQUIRE SAFETY CLASS. THE CADESING PAPTY IS RESPONSIBLE TO SPECIF IS AFETY CLASS AND ENSURE COMPLIANCE WITH LOCAL LAWS AND BUILDING CODES.

THESE INSTRUCTIONS ARE MINIMUM REQUIREMENTS ON D. CHECK THE FACTURE OF CHARGE FOR THAN BEDGET ON THE CAMBRIDGE OF AN AREA OF INSTRUMENTS OF ANY MARKED FOR THE PROPERTY OF AN AREA OF THE CAMBRIDGE OF A STATE OF THE OFFICE OF THE CAMBRIDGE OF A STATE OF THE CAMBRIDGE OF THE CAMBRIDG

These catallation instructions are provided for information only no representation and variantly under that hese instructions section it all of the information receivary for proper installation or a fixed few agreements of few conditions primary responsibility for a root invital above restrict the installation of a property understanding product. Mil Windows and Doors, includes any present injury or property, and agreement in few in the product page features and warrantly set forms the primary feet that is, of Mil Windows and Doors, includes and Doors, including any present injury or product, page features and warrantly set forms the primary feet Mil Windows and Direct, including one product.



1956.2	Glass-Seal AR	A 3 tab asphalt shingle.	
	n HVHZ: outside HVHZ:	Certification Agency Certificate Installation Instructions Verified By:	

5438.8 3540 Fin Frame		44x72 Insulated SSB Annealed Certification Agency Certificate Installation Instructions Verified By:	
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: R-40 DP-47.2 Per manufacturers installation instructions.			
5438.9 3540 Fin Frame Triple with Continuous Head and Sill		108x72 Insulated SSB Annealed	
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: LC-35* DP-50 Per manufacturers installation instructions.		Certification Agency Certificate Installation Instructions Verified By:	



AAMA/WDMA/CSA 101/I.S.2/A440-05 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC. P.O. Box 370 650 West Market Street Gratz, Pennsylvania 17030-0370

Report No.: 67853.02-109-47

Test Date:

11/20/06 03/05/07

Report Date: Expiration Date:

11/20/10

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on a Series/Model 3540/3240 (fin), PVC single hung window at MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R35 1168 x 1524 (46 x 60) rating. Test specimen description and results are reported herein. The sample was provided by the client.

Test Specification: The test specimen was evaluated in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-05, Standard/Specification for Windows, Doors, and Unit Skylights.

Test Specimen Description:

Series/Model: 3540/3240 (Fin)

Product Type: PVC Single Hung Window

Overall Size: 1168 mm (46") wide by 1524 mm (60") high

Sash Size: 1118 mm (44") wide by 746 mm (29-3/8") high

Overall Area: 0.83 m² (19.16 ft²)

Finish: All vinyl was white.

Frame Construction: The frame was constructed from extruded PVC. The corners were mitered and welded. The fixed meeting rail was secured to each jamb with a plastic clip. The clip was secured to each jamb with three $\#6 \times 5/8$ " flat head screws and was secured to the fixed meeting rail with three $\#6 \times 1-1/4$ " flat head screws.



AAMA/WDMA/CSA 101/I.S.2/A440-05 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 3540/3240 (Fin)
PRODUCT TYPE: PVC Single Hung Window

Title	Summary of Results
Primary Product Designator	H-R35 1168 x 1524 (46 x 60)
Design Pressure	1689 Pa (35.3 psf)
Negative Design Pressure	2400 Pa (50.16 psf)
Uniform Load Structural Test Pressure	+2536 Pa (53.0 psf) -3600 Pa (75.24 psf)

Test Completion Date:

11/20/06

Reference must be made to Report No. 67853.02-109-47, dated 03/05/07 for complete test specimen description and data.

130 Derry Court York, PA 17406-8405 phone: 717-764-7700 fax: 717-764-4129 www.archtest.com



Test Specimen Description: (Continued)

Sash Construction: The sash was constructed from extruded PVC.— The corners were mitered and welded.

Weatherstripping:

Description	Quantity	Location
0.187" backed by 0.230" polypile with center fin	2 Rows	Sash stiles
0.187" backed by 0.230" polypile with center fin	1 Row	Operable meeting rail
0.187" backed by 0.230" polypile with center fin	1 Row	Sill leg
3/8" diameter single leaf foam-filled vinyl bulb	1 Row	Bottom rail
1/8" diameter foam-filled vinyl bulb	1 Row	Fixed meeting rail

Glazing Details: The window utilized 7/8" thick sealed insulating glass constructed from two sheets of 3/32" clear annealed glass with an aluminum reinforced butyl spacer system. The glass was interior glazed onto sash glazing tape and secured with snap-in PVC glazing beads.

Drainage:

Description	Quantity	Location
3/4" by 1/8" weepslot	2	Interior hollow
3/4" by 1/8" weepslot	2	Middle hollow
1/2" by 1/8" weepslot	.2	3" from edge of frame draining screen track
1" by 1/8" weepslot	2	Sill face
3/4" by 1/16" weepslot	2	Bottom rail of sash



Test Specimen Description: (Continued)

Hardware:

<u>Description</u>	Quantity	Location
Metal sweep lock	2	6" from ends of top rail
Constant force balance	2	One in each jamb
Metal pivot bars	2	Ends of bottom rail
Plastic tilt latches	2	Ends of top rail

Reinforcement: All sash members were reinforced with "I" shaped, roll-formed aluminum, (Drawing #GVL-451-020). The fixed meeting rail utilized custom shaped roll-formed aluminum reinforcement, (Drawing #RF-1045-020).

Screen Construction: The screen was constructed from roll-formed aluminum square-cut and keyed with plastic keys. The fiberglass mesh was secured with a flexible vinyl spline.

Installation: The window was installed into a Spruce-Pine-Fir wood buck. The fin was set onto a bead of silicone. The window was secured with #8 x 1-5/8" screws 3" from ends and 12" on center around the perimeter of the frame through the fin into the wood buck.

Test Results: The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
5.3.4.2	Uniform Load Deflection per AST	TM E 330	See Note #1
5.3.4.3	Uniform Load Structural per AST	M E 330	See Note #1

Note #1: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".



Test Results: (Continued)

Optional Performance

<u>Paragraph</u>	Title of Test - Test Method	Results	Allowed
4.4.2.6	Uniform Load Deflection per AS (Deflections were taken on the m (Loads were held for 52 seconds)	eeting rail)	
	1689 Pa (35.3 psf) (positive) 2400 Pa (50.16 psf) (negative)	10.4 mm (0.41") 13.0 mm (0.51")	See Note #2 See Note #2

Note #2: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-05 for this product designation. The deflection data is recorded in this report for special code compliance and information only.

4.4.2.6	Uniform Load Structural per ASTM E 330		
	(Permanent sets were taken on th	e meeting rail)	
	(Loads were held for 10 seconds)) .	
	2536 Pa (53.0 psf) (positive)	1.0 mm (0.04")	4.32 mm (0.17") max.
	3600 Pa (75.24 psf) (negative)	1.3 mm (0.05")	4.32 mm (0.17") max.

Drawing Reference: The test specimen drawings have been reviewed by Architectural Testing, Inc. and are representative of the test specimen reported herein.

Detailed drawings, data sheets, representative samples of test specimens, a copy of this report, or other pertinent project documentation will be retained by Architectural Testing, Inc. for a period of four years from the original test date. At the end of this retention period, such materials shall be discarded without notice and the service life of this report will expire. Results obtained are tested values and were secured by using the designated test methods. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimens tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.

General Bende

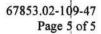
Michael D. Stremmel, P.E. Senior Project Engineer

Jeremy R. Bender Technician

JRB:clo

Attachments (pages): This report is complete only when all attachments listed are included.

Appendix-A: Alteration Addendum (1)





Revision Log

<u>Rev. #</u>	<u>Date</u>	Page(s)	Revision(s)
0	03/05/07	N/A	Original report issue



Appendix A

Alteration Addendum

Note: No alterations were required.



Warthleroot: Whiteless 333 Pingsten Road Northbrook, 1, 60062-2096 USA www.ul.com 18: 1 847 272 8800

June 17, 2005

Tamko Roofing Products Ms. Kerri Eden P.O. Box 1404 220 W. 4th Street Joplin, MO 64802-1404

Our Reference: R2919

This is to confirm that "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage 50 AR", "Glass-Seal AR" manufactured at Tuscaloosa, AL and "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage XL AR", "Heritage 50 AR" manufactured at Frederick, MD and "Heritage 30 AR", "Heritage XL AR", and "Heritage 50 AR" manufactured in Dallas, TX are UL Listed asphalt glass mat shingles and have been evaluated in accordance with ANSI/UL 790, Class A (ASTM E108), ASTM D3462, ASTM D3161 or UL 997 modified to 110 mph when secured with four nails.

Let me know if you have any further questions.

Very truly yours.

Alpesh Patel (Ext. 42522)

Engineer Project

Fire Protection Division

Reviewed by,

Randall K. Laymon (Ext. 42687)

Engineer Sr Staff

Pire Protection Division



ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC

SERIES/MODEL: 420/430/440
PRODUCT TYPE: Aluminum Sliding Glass Door

	Summary of Results		
Title	Test Specimen #1	Test Specimen #2	Test Specimen #3
Rating	SGD-R25 182 x 96	SGD-R35 182 x 80	SGD-R40 144 x 96
Operating Force	17 lbf max.	17 lbf max.	N/A
Air Infiltration	0.23 cfm/ft ²	0.27 cfm/ft ²	N/A
Water Resistance Test Pressure	3.75/6.0/9.0 psf	6.0 psf	N/A
Uniform Load Deflection Test Pressure	±35.0 psf	±35.0 psf	+40.0 psf/-40.1 psf
Uniform Load Structural Test Pressure	±37.5 psf	±52.5 psf	+60.0 psf/-60.2 psf
Forced Entry Resistance	Grade 10	Grade 10	N/A

Reference should be made to ATI Report No. 52112.01-122-47 for complete test specimen description and data.

130 Derry Court York, PA 17402-9405 phone: 717-764-7700 fax: 717-764-4129 www.archtest.com



ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC P.O. Box 370 Gratz, Pennsylvania 17030-0370

> Report No.: 52112.01-122-47 Revision 2: 09/14/05 Test Dates: 06/30/04 Through: 08/12/04 Report Date: 08/30/04 **Expiration Date:** 07/02/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on three Series/Model 420/430/440, aluminum sliding glass doors at MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: SGD-R25 182 x 96; Test Specimen #2: SGD-R35 182 x 80; Test Specimen #3: SGD-R40 144 x 96. Test specimen description and results are reported herein.

The test specimens were evaluated in accordance with Test Specification: ANSI/AAMA/NWWDA 101/I.S.2-97, Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.

Test Specimen Description:

Series/Model: 420/430/440

Product Type: Aluminum Sliding Glass Door

<u>Test Specimen #1</u>: SGD-R25 182 x 96 (XXO)

Overall Size: 15' 1-3/4" wide by 8' 0" high

Active Door Panel Size (2): 5' 0-1/2" wide by 7' 11" high

Fixed Door Panel Size: 5' 1" wide by 7' 11" high

Screen Size: 5' 0-3/8" wide by 7' 11" high

Overall Area: 121.2 ft²

Reinforcement: The active and fixed interlocking stile utilized a steel U-shaped reinforcement (Drawing #9917525). The fixed intermediate jamb utilized a steel reinforcement (Drawing #9917520).

> 130 Derry Court York, PA 17402-9405 phone: 717-764-7700

fax: 717-764-4129



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Revision 2: 09/14/05

Test Specimen Description: (Continued)

Test Specimen #2: SGD-R35 182 x 80 (OXX)

Overall Size: 15' 1-3/4" wide by 6' 8" high

Active Door Panel Size (2): 5' 0-1/2" wide by 6' 7" high

Fixed Door Panel Size: 4' 8-7/8" wide by 6' 2-5/8" high

Screen Size: 5' 0-3/8" wide by 6' 7" high

Overall Area: 101 ft²

Reinforcement: No reinforcement was utilized.

Test Specimen #3: SGD-R40 144 x 96 (OXO)

Overall Size: 12' 0" wide by 8' 0" high

Active Door Panel Size: 3' 8-1/4" wide by 7' 10-1/2" high

Fixed Door Panel Size (2): 3' 8-3/4" wide by 7' 6-1/2" high

Screen Size: 3' 11-1/2" wide by 7' 11-3/8" high

Overall Area: 96 ft2

Reinforcement: The active and fixed interlocking stile utilized a steel U-shaped reinforcement (Drawing #9917525). The fixed intermediate jamb utilized a steel reinforcement (Drawing #9917520). The interlock utilized an aluminum reinforcement (Drawing #SECT4237).

The following descriptions apply to all specimens.

Finish: All aluminum was painted.

Glazing Details: All glazing consisted of a single sheet of 3/16" thick clear tempered glass that was channel glazed with a wrap around rubber gasket.



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Revision 2: 09/14/05

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.187" backed by 0.270" high polypile with center fin	2 Rows	Stiles
1/2" wide by 1" long polypile dust plug	2 Pieces	Corner of head, jamb, and top and bottom of panel retainer
0.187" backed by 0.250" high polypile with center fin	2 Rows	Top rail
0.187" backed by 0.350" high polypile with center fin	2 Rows	Bottom rail
0.187" backed by 0.230" high polypile with center fin	1 Row	Panel interlock, screen stiles

Frame Construction: The frame was constructed of extruded aluminum. Corners were coped, butted, sealed, and fastened with two #8 x 5/8" screws. An aluminum panel adaptor was added to the screen adaptor and secured with #6 x 3/8" pan head screws located 3-1/2" from the ends and 14" on center through the screen adaptor into the panel adaptor. The jambs utilized a panel jamb retainer on the fixed panels secured to the jambs with two #6 x 1/2" screws through the retainer into the jambs. The panels were placed in the retainer and secured to the frame with two #8 x 1/2" screws located through the retainers into the panels. Three panel jamb retainers were utilized to secure the fixed panels, located at panel top and bottom and one midspan. The fixed panels also utilized an aluminum sill retainer clip located at the sill. The sill utilized an optional aluminum sill extender.

Door Panel Construction: The door panels were constructed of extruded aluminum members. Corners were coped, butted, and fastened with one 1/4" x 3/4" screw at the bottom and two #8 x 3/4" screws at the top.

Screen Construction: The screen was constructed of extruded aluminum members. Corners were coped, butted, and fastened with one 1/4" x 3/4" screw and one #8 x 1" screw at the bottom and one #8 x 1" screw at the top.



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Revision 2: 09 14 05

Test Specimen Description: (Continued)

Hardware:

	1	
Description	Quantity	Location
Locking handle	1,	44" from active panel bottom
Roller assembly	2	3" from bottom rail ends
Screen locking handle	1	46" from screen bottom rail
Screen rollers	2	Corners of bottom rail
Drainage:		
Description	Quantity	Location
Sloped sill	1	Sill
1/2" long drain off notches	6	Ends of vertical sill legs

Installation: The units were installed into a #2 Spruce-Pine-Fir wood test buck. The units were fastened to the test buck with two rows of #8 x 1-1/4" screws, 8" from each end and 23" on center. The exterior perimeter was sealed with silicone.



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Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen	1#1: SGD-R25 182 x 96 (XXO)		
2.2.1.6.1	Operating Force Breakaway force	17 lbf 24 lbf	20 lbf max. 30 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.23 cfm/ft ²	0.3 cfm/ft ² max.
Note #1: The tested specimen meets (or exceeds) the performance levels specified in ANSI/AAMA/NWWDA 101/I.S.2-97 for air infiltration.			
2.1.3	Water Resistance per ASTM E 56 (with and without screen) 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per AS (Deflections reported were taken (Loads were held for 52 seconds) 15.0 psf (positive) 15.0 psf (negative)	on the meeting rail	See Note #2 See Note #2
Note #2: The	Uniform Load Deflection test is n	ot a requirement o	f ANSI/AAMA/NWWDA

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

2.1.4.2	Uniform Load Structural per ASTM E 330				
`	(Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)				
	22.5 psf (positive)	0.02"	0.30" max.		
	22.5 psf (negative)	0.03"	0.30" max.		
		į.			
2.2.1.6.2	Deglazing Test per ASTM E 987				
	In operating direction - 70 lbs				
	Locking stile	0.12"/24%	0.50"/100%		
	Interlock stile	0.12"/24%	0.50"/100%		
		ì			



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Paragraph	Title of Test - Test Method	Results	Allowed
Test Specime	n #1: SGD-R25 182 x 96 (XXO) (C	ontinued)	
2.2.1.6.2	Deglazing Test per ASTM E 987 In remaining direction - 50 lbs	ş	
	Top rail Bottom rail	0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100%
2.1.8	Forced Entry Resistance per ASTN	M F 842	
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 through A6	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Perfo	ormance		
4.3	Water Resistance per ASTM E 54' (with and without screen)		No looks as
. * * *	3.75 psf	No leakage	No leakage
4.3	Water Resistance per ASTM E 54' (with and without screen) (with sill riser)	į.	x .
x.	6.0 psf	No leakage	No leakage
4.3	Water Resistance per ASTM E 54' (with and without screen) (with 2-5/8" Dade County sill exte		
	9.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per AST (Deflections reported were taken o (Loads were held for 10 seconds)		
	35.0 psf (positive)	2.98"	See Note #2
	35.0 psf (negative)	2.52"	See Note #2



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Paragraph	Title of Test - Test Method	Results	Allowed		
Test Specimen	1#1: SGD-R25 182 x 96 (XXO) (Co	ontinued)			
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 37.5 psf (positive) 0.20" 0.36" max. 37.5 psf (negative) 0.19" 0.36" max.				
Test Specimen	1#2: SGD-R35 182 x 80 (OXX)				
2.2.1.6.1	Operating Force Breakaway force	17 lbf 21 lbf	20 lbf max. 30 lbf max.		
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.27 cfm/ft ²	0.3 cfm/ft ² max.		
	e tested specimen meets (or exceed WWDA 101/I.S.2-97 for air infiltrati	,	ce levels specified in		
2.1.3	Water Resistance per ASTM E 547 (with and without screen) 2.86 psf	No leakage	No leakage		
2.2.1,6.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs				
ı	Locking stile Interlock stile	0.12"/24% 0.12"/24%	0.50"/100% 0.50"/100%		
s	In remaining direction - 50 lbs				
	Top rail Bottom rail	0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100%		
2.1.8	Forced Entry Resistance per ASTN	1 F 842	8		
	Type: A	Grade: 10			
	Lock Manipulation Test	No entry	No entry		
	Test A1 through A6	No entry	No entry		
	Lock Manipulation Test	No entry	No entry		



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Paragraph	Title of Test - Test Method	Results	Allowed				
Test Specimer	Test Specimen #2: SGD-R35 182 x 80 (OXX) (Continued)						
Optional Perfo	Optional Performance						
4.3	Water Resistance per ASTM E 5 (with and without screen)	47					
	(with sill riser) 6.0 psf	No leakage	No leakage				
4.4.1	Uniform Load Deflection per AS (Deflections reported were taken (Loads were held for 52 seconds)	on the meeting stile)					
	35.0 psf (positive) 35.0 psf (negative)	1.28" 1.33"	See Note #2 See Note #2				
4.4.2	Uniform Load Structural per AS (Permanent sets reported were ta (Loads were held for 10 seconds	ken on the meeting st	tile)				
		0.13"	0.30" max.				
	52.5 psf (positive) 52.5 psf (negative)	0.15"	0.30" max.				
Test Specime	n #3: SGD-R40 144 x 96 (OXO)		39				
0 1 ID-6							
Optional Perfo	ormance						
	Uniform Load Deflection per As	STM F 330	i				
4.4.1	(Deflections reported were taker	on the meeting stile	700				
	(Loads were held for 52 seconds	on the mooning strie)	•				
*	40.0 psf (positive)	1.42"	See Note #2				
	40.1 psf (negative)	1.28"	See Note #2				
	40.1 psi (negative)	1.20					
4.4.2	Uniform Load Structural per AS (Permanent sets reported were to	TM E 330	tile)				
	(Loads were held for 10 seconds	tron on the meeting s	/				
		0.27"	0.37" max.				
	60.0 psf (positive)	0.30"	0.37" max.				
	60.2 psf (negative)	0.50	U.D. I IIIAA				



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

For ARCHITECTURAL TESTING, INC:

Digitally Signed by: Mark A. Hess

Mark A. Hess Technician

MH:vlm

H 2

Digitally Signed by: Steven M. Urich

Steven M. Urich, P.E. Senior Project Engineer



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Revision Log

<u>Rev. #</u>	<u>Date</u>	Page(s)		Revision(s)
0	08/30/04	N/A		Original report issue
1	09/13/04	Cover page		Switch Specimens 1 and 2 / Added 430/440 to Series/Model
1	09/13/04	Page 1 and 2		Switch Specimen 1 and 2 sizes Added 430/440 to Series/Model on Page 1
1	09/13/04	Pages 4 through 7	2	Switch Specimen 1 and 2 test results / Specimen 2 optional performance water resistance from 3.75 psf to 6.00 psf with sill riser.
2	09/14/05	Page 2		Corrected configuration of Test Specimen #3
2	09/14/05	Page 3	į	Added additional Weatherstripping



ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 3540
PRODUCT TYPE: PVC Triple Single Hung

Title	Summary of Results
Rating	H-R30* 108 x 74
Operating Force	17 lbf max.
Air Infiltration	0.11 cfm/ft ²
Water Resistance Test Pressure	4.50 psf
Uniform Load Deflection Test Pressure	±47.2 psf
Uniform Load Structural Test Pressure	+52.5 psf, -70.8 psf
Forced Entry Resistance	Grade 10

Reference should be made to ATI Report No. 50172.01-122-47 for complete test specimen description and data.

130 Derry Court York, PA 17402-9405 phone: 717-764-7700 fax: 717-764-4129



ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC. P.O. Box 370 Gratz, Pennsylvania 17030-0370

Report No.: 50172.01-122-47
Revision 1: 08/30/04
Test Dates: 06/11/04
Through: 07/07/04
Report Date: 07/27/04
Expiration Date: 07/07/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on a Series/Model 3540, triple single hung window at MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R30* 108 x 74 rating. Reference should be made to Report No. 01-45617.02 for Gateway Performance results. Test specimen description and results are reported herein.

General Note: An asterisk (*) next to the performance grade indicates that the size tested for optional performance was smaller than the Gateway test size for the product type and class.

Test Specification: The test specimen was evaluated in accordance with ANSI/AAMA/NWWDA 101/I.S.2-97, Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.

Test Specimen Description:

Series/Model: 3540

Product Type: PVC Triple Single Hung

Overall Size: 8' 11-5/8" wide by 6' 1-3/4" high

Interior Sash Size (3): 2' 9-3 4" wide by 3' 0-1/8" high

Fixed Daylight Opening Size (3): 2' 7-3/4" wide by 2' 9-3/16" high

Screen Size: 2' 9" wide by 2' 11-1/4" high

Overall Area: 55.1 ft²

130 Derry Court York, PA 17402-9405 phone: 717-764-7700 fax: 717-764-4129

fax: /1/-/64-4129 www.archtest.com



ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC. P.O. Box 370

Gratz, Pennsylvania 17030-0370

Report No.: 50172.01-122-47

Revision 1: 08/30/04 Test Dates: 06/11/04

Through: 07/07/04

Report Date: 07/27/04 Expiration Date: 07/07/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on a Series/Model 3540, triple single hung window at MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R30* 108 x 74 rating. Reference should be made to Report No. 01-45617.02 for Gateway Performance results. Test specimen description and results are reported herein.

General Note: An asterisk (*) next to the performance grade indicates that the size tested for optional performance was smaller than the Gateway test size for the product type and class.

Test Specification: The test specimen was evaluated in accordance with ANSI/AAMA/NWWDA 101/I.S.2-97, Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.

Test Specimen Description:

Series/Model: 3540

Product Type: PVC Triple Single Hung

Overall Size: 8' 11-5/8" wide by 6' 1-3/4" high

Interior Sash Size (3): 2' 9-3/4" wide by 3' 0-1 8" high

Fixed Daylight Opening Size (3): 2' 7-3/4" wide by 2' 9-3/16" high

Screen Size: 2'9" wide by 2' 11-1/4" high

Overall Area: 55.1 ft²

130 Derry Court York, PA 17402-9405 phone: 717-764-7700

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Revision 1: 08/30/04

Test Specimen Description: (Continued)

Hardware:

Description	Quantity	Location
Constant force balances	6	One per jamb
Metal cam locks with adjacent keepers	6	Meeting rail, 7" from each end
Plastic tilt latches	6	Each end of the interior meeting rail
Metal pivot pins	6	Each end of the bottom rail

Drainage:

Description	Quantity	Location
3/32" by 1/2" weepslot	12	Bottom rail, 2 at each end
1/8" by 1" weepslot	2	Sill, 3" from each end
3/16" by 1/2" weepslot	2	Screen track, 2-1/2" from each end

Reinforcement: The interior meeting rail and bottom rail utilized a roll-formed "I beam" steel reinforcement (Drawing #GVL-451-020). The fixed meeting rail utilized a steel reinforcement (Drawing #RF-104S-020). The intermediate frame rails utilized a steel reinforcement (Drawing #2.75x.125 steel plate).

Installation: The unit was installed into a wood test buck. The nail fin was set against a silicone bedding and fastened to the buck with #6 by 1-5/8" screws, 2" from corners and 8" on center. 3/4" washers were utilized along the entire length of the sill, at midspan of the head and jambs, and at all corners.

Test Results: The results are tabulated as follows:

<u>Paragraph</u>	Title of Test - Test Method	Results	Allowed
2.2.6.1.1	Operating Force	17 lbf	30 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.11 cfm/ft ²	0.3 cfm/ft ² max.

Note #1: The tested specimen meets (or exceeds) the performance levels specified in ANSI/AAMA/NWWDA 101/I.S.2-97 for air infiltration.



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Test

st Results: (Cor	ntinued)		
Paragraph	Title of Test - Test Method	Results	Allowed
2.1.3	Water Resistance per ASTN (with and without screen)	1 E 547	See Note #2
Note #2: The results are liste	client opted to start at a pre ed under "Optional Performa	ssure higher than the mi nce".	inimum required. Those
2.1.4.1	Uniform Load Deflection p (Deflections reported were (Loads were held for 52 sec	taken on the mullion)	
	35.0 psf (positive)	0.39"	See Note #3
	35.0 psf (positive)	0.54"	See Note #3
101/I.S.2-97 fo	Uniform Load Deflection tests or this product designation. Sompliance and information or	The deflection data is re	corded in this report for
2.1.4.2	Uniform Load Structural per (Permanent sets reported we (Loads were held for 10 sec	ere taken on the mullion of the mull	
	52.5 psf (positive)	<0.01" 0.07"	0.27" max. 0.27" max.
	52.5 psf (negative)		U.27 Illax.
2.2.6.1.2	Deglazing Test per ASTM In operating direction - 70 l		
	Interior meeting rail	0.13"/26%	0.50"/100%
	Bottom rail	0.11"/22%	0.50"/100%
		1	i i

0.09"/18%

0.10"/20%

Meets as stated

0.50"/100%

0.50"/100%

Meets as stated

In remaining direction - 50 lb's

Left stile

2.1.7

Right stile

Welded Corner Test



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Revision 1: 08/30/04

Paragraph	Title of Test - Test Method	Results	Allowed
2.1.8	Forced Entry Resistance per	ASTM F 588	Ş.
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1	No entry	No entry
	Test A2	No entry	No entry
	Test A3	No entry	No entry
	Test A4	No entry	No entry
	Test A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Perfo	ormance		
4.3	Water Resistance per ASTM	E 547	
	(with and without screen)	100 mm (100 mm	
	4.50 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per	ASTM E 330	•
	(Deflections reported were tal	,	
	(Loads were held for 52 second	nds)	
	47.2 psf (positive)	0.73"	See Note #3
	47.2 psf (negative)	0.92"	See Note #3
4.4.2	Uniform Load Structural per (Permanent sets reported were (Loads were held for 10 secon	e taken on the mullion)	
	52.5 psf (positive)	<0.01"	0.27" max.
	70.8 psf (negative)	0.21"	0.27" max.



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Revision 1: 08/30/04

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

For ARCHITECTURAL TESTING, INC:

Digitally Signed by: Jeramie D. Grabosch

Jeramie D. Grabosch Technician

JDG:vlm

At 2 2/

Digitally Signed by: Steven M. Urich

Steven. M. Urich, P.E. Senior Project Engineer

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

form HUD-NPCA-99-B (04/2003)

This form is completed by the licensed Pest Control Company.

Form NPCA-99-B may still be used

Reorder Product #2581 • from CROWNMAX • 1-800-252-4011

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise. #27296 Section 1: General Information (Treating Company Information) Company Name: Aspen Pest Control, Inc. City ___ Company Address: P.O. Box 1795 Company Phone No. 385-755-3611 • 352-494 Company Business License No. _______________ FHA/VA Case No. (if any) Section 2: Builder Information Section 3: Property Information Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) _ Other Monolithia Type of Construction (More than one box may be checked)
Slab Basement ☐ Crawl Approximate Depth of Footing: Outside _____ Type of Fill Section 4: Treatment Information Date(s) of Treatment(s) Brand Name of Product(s) Used _ EPA Registration No. . Approximate Final Mix Solution % _ Linear ft. _____ Linear ft. of Masonry Voids _ Approximate Size of Treatment Area: Sq. ft. Approximate Total Gallons of Solution Applied Was treatment completed on exterior? Yes □ No Yes Service Agreement Available? ☐ No Note: Some state laws require service agreements to be issued. This form does not preempt state law. Attachments (List) Comments JF104376 Certification No. (if required by State law) The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations. Authorized Signature

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

form HUD-NPCA-99-B (04/2003)

This form is completed by the licensed Pest Control Company.

Form NPCA-99-B may still be used

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA. # 27296

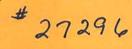
All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

Sec	tion 1: General Information (Treating Company Information)
	Company Name: Aspen Past Control, Inc.
	Company Address: P.O. Box 1795 City Lake City State Zip Zip
	Company Business License No Company Phone No
	FHA/VA Case No. (if any)
Sec	tion 2: Builder Information
	71 1 1 1 1
	Company Name: Deborah Camiel Company Phone No. 758-9191
Sec	tion 3: Property Information
	Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 1195 Sw CR 742-A
	Type of Construction (More than one box may be checked) 🗵 Slab 🔲 Basement 🔲 Crawl 🖾 Other
	Approximate Depth of Footing: Outside Inside Type of Fill
	Brand Name of Product(s) Used
	Comments
	- (1170 A
Nar	ne of Applicator(s) Certification No. (if required by State law)
	applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and
fede	eral regulations. 9 by 1/58
Auth	porized Signature Date 1/24/08

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

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:1TLN8228Z0110091827



Seal Date: 10/10/2008

-Truss Design Engineer-

Doug Fleming Florida License Number: 66648

1950 Marley Drive

Haines City, FL 33844

Truss Fabricator: Anderson Truss Company

Job Identification: REPAIR / 8-164 OWNER BUILDER

Truss Count: 2

Model Code: Standard Building Code Truss Criteria: ANSI/TPI-2002(STD)

Engineering Software: Alpine Software, Version 8.06.

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.

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

Details: BRCLBSUB-A11015EE-GBLLETIN-

#	Ref De	scription	Drawing#	Date
1	51304DF	/ AT2	08284001	10/10/08
2	51304 DF	/ AGF	08284002	The state of the s

Repair Charge: \$55.00 per Customer Agreement. Amount to be invoiced separately.



must be fastened to one face of this frame

Rated sheathing

++NO REPAIR REQUIRED

This truss is repaired to remove portions of the truss to the right of 25-11-0 and to add a 225# point load to the right end of the top chord as shown.

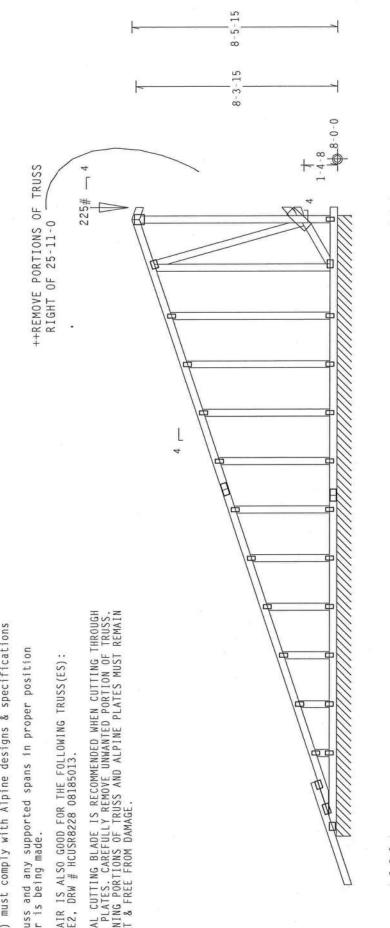
Refer to drawing R8228 08185015 for plates and other data not given here.

Repair(s) must comply with Alpine designs & specifications

Shore Truss and any supported spans in proper position as repair is being made.

THIS REPAIR IS ALSO GOOD FOR THE FOLLOWING TRUSS(ES): TRUSS:AGE2, DRW # HCUSR8228 08185013.

A METAL CUTTING BLADE IS RECOMMENDED WHEN CUTTING THROUGH METAL PLATES. CAREFULLY REMOVE UNWANTED PORTION OF TRUSS. REMAINING PORTIONS OF TRUSS AND ALPINE PLATES MUST REMAIN INTACT & FREE FROM DAMAGE. +



2-8 > 2-3-7 25-11-0 Over Continuous Support 23-1-12 23-8-8 23-7-9 R=130 PLF U=12 PLF W=25-6-12 11-1-4-3 L2-0-0 V

RL=9/-2 PLF

Note: All Plates Are 2X4 Except As Shown.

PLT TYP.

THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SQLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE TRUSS REPAIR

TW Building Components Group Haines City, FL 33844 FL COA #0 278 ALPINE

SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A OUGLIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE. IF ANY. AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING REPORTED BY THE REPAIR WORK

IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE

CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

20.0 PSF 10.0 PSF 0.0 PSF 10.0 PSF SEE ABOVE 40.0 1.25 DUR. FAC. TOT.LD. SPACING TC LL BC LL TC DL BC DL 80 CENS

DRW HCUSR8228 08284002

HC-ENG DF/DF

JREF - 1TLN8228Z01

JP

FROM

1471

SEON-

PSF

R8228- 51304

REF

Scale = .25"/Ft

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

0TY:1

8

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

TPI-2002(STD)

Crit:

Design

10/10/08

DATE

CLB WEB BRACE SUBSTITUTION

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

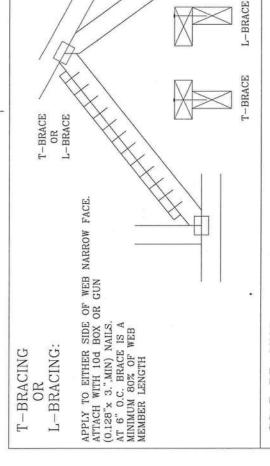
NOTES

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING

WEB	ME. STZE	MEMBER SIZE	SPEC	SPECIFIED CLB BRACING	T OR	ALTERNATIVE BRACING L-BRACE SCAB BRACE	BRACING SCAB BRACE
EX3	OR	2X4	1 0	ROW	00.0	2X4	1-2X4
2	2X6		2 -	ROW	Z OZ	,X4	1-2X6
	2X6		82	ROWS	CV.	SX6	2-2X4(*)
	2X8		1	ROW	N	3X6	1-2X8
	2X8		03	ROWS	ÇV	2X6	2-2X6(*)

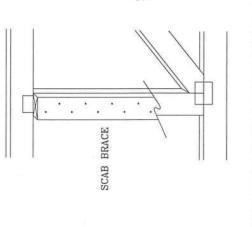
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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



SCAB BRACING:

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



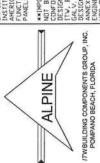
THIS DRAWING REPLACES DRAWING 579,640 DRWG -ENG DATE REF PSF PSF PSF PSF PSF DUR. FAC. SPACING TOT. LD. BC DL BC LL H DL TC TC SIONAL ENGLY * 0No.66648

BRCLBSUB0207

MLH/KAR

CLB SUBST.

2/23/07



***VARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BACKING, BEFER TO BEGS! GOULDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CIRRISS PLATE INSTITUTE, 218 MIRPH LEE STR., 2011T 312, ALEXANDRIA, VA. 223147 AND VICA (VIDD TRUSS COUNCIL DE PREFICA, 6300 KRITERRISE, LI, MADISON, WI. 337197 IORS AAFETY PRACTICES, PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS DIRERVISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARKELS AND BUTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL.

INPOPTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. IT'S BCG, INC., SHAND TO BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGNATION FAILURE ID BILLD. THE TRISS. IN CONTRACANOLY WITH APPLICABLE PROPAGATION, NATIONALLY DESIGN CONFORMACE WITH APPLICABLE PROPAGATION, STAPPING, INSTALLING & BRACHOU OF TRUSSES.

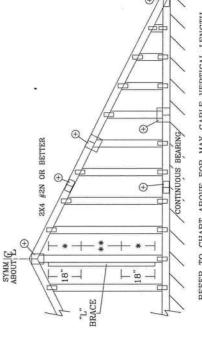
IT'N, BCG CONNECTING PARTES ARE AMADED FOR CONTRACAS ANY MASS AGAINE. LOCATED BY THIS DESIGNA POSITION FOR BRACHOUS ANY DESIGNATION FOR THE STAPPING THE STAPPING AND THE BUILDING DESIGNER, FER BUSING AND THE THE STAPPING AND THE BUILDING DESIGNER, FER BUSING AND THE BUILDING DESIGNER.

C 1.00, EXPOSURE 11 MEAN HEIGHT, ENCLOSED, I 15, SPEED. MPH WIND 110 ASCE 7-02:

HEM-FIR STUD STANDARD

RACING GROUP SPECIES AND GRADES:

		ECIES AND GRAD		Α:	HEM-FIR	#3 STAND		SOUTHERN PINE	#3	STUD	CHANDANA		0	GROUP B:	HEM-FIR	#1 & BTR	# 4	DOUGLAS FIR-LAR	#1	#2			TRIES DETAIL NOTES	DEINL NOIES	RITERIA IS L/240.	o and ob doa snow		IAN EDON A' O"	" OVERHANG, OR 12
		BRACING GROUP SPECIES	2000	GROOP	SPRUCE-PINE-FIR	#3		DOUGLAS FIR-LARCH	#3	STUD	THE PARTY OF THE P		0000	ORD ORD	HEM	#1.8		SOUTHERN PINE	#1	2			SELET TELES		LIVE LOAD DEFLECTION CRITERIA IS L/240.	ard on dod pholipannon fallell admodd	CONTINUOUS BEARING (5 PSF TC DEAD LOS	CADE PAIN STEEDON A CAN	OUTLOOKERS WITH 2' O" OVERHANG, OR 12
BRACE	GROUP B	14, 0"	14, 0"	14' 0"	14' 0"	14, 0"	14' 0"	14, 0"	14, 0"	14, 0"	14, 0"	14, 0"	14, 0"	14. 0"	14. 0"	14, 0"	14'0"	14, 0"	14. 0"	14, 0"	14, 0"	14, 0"	14' 0"	14, 0"	14' 0"	14' 0"	14' 0"	14'0"	
(2) 2X6 "L"	GROUP A	14' 0"	14, 0"	14' 0"	14. 0"	14' 0"	14, 0"	14' 0"	14' 0"	14' 0"	14' 0"	14, 0"	14' 0"	14. 0"	14' 0"	14, 0,,	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14, 0"	14, 0"	14' 0"	14' 0"	14'0"	
"L" BRACE .	GROUP B	12' 9"	12' 4"	12' 3"	10, 2,,	13' 5"	13, 5"	12' 8"	12' 6"	10, 10"	14' 0"	14' 0"	14' 0"	12, 11,	14, 0"	14, 0"	14' 0"	20.00	13. 3.	14, 0"	14, 0"	14' 0"	14' 0"	14, 0"	14, 0"	14'0"	14'0"	14' 0"	
(1) 2X6	GROUP A	12, 5"		12' 3"	10, 2,,	12' 5"	12' 5"	12, 5"	12' 5"	10, 10,,	14' 0"	14' 0"	14' 0"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	13, 3"	14' 0"	14. 0"	14' 0"	14' 0"	14'0"	14' 0"	14' 0"	14, 0"	14'0"	
" BRACE **	GROUP B	9, 8,	9, 2,	9, 2,,	9, 1,,	10, 2"	10, 2"	9' 11"	9' 11"	9' 4"	11, 1,	10, 10"	10, 10"	10' 10"	11' 8"	11, 8"	11' 4"	11' 4"	11, 1,,	12' 3"	11, 11"	11, 11,	11' 11"	12, 10"	12' 10"		0.00	12' 3"	
(2) 2X4 "L"	GROUP A	9, 2,	9, 2,	9, 2,	9, 1,,	9, 2,,	9, 2,,		9, 2,	9, 4"	10, 10"	10, 10"	10, 10"	10, 10"	10, 10"	10, 10"	10, 10"	10, 10"	10, 10"	11, 11,,	11, 11,	11, 11,	11, 11,	11, 11,	11, 11,	11, 11,	11, 11"	111, 111,	DI MMAS
"L" BRACE .	GROUP B	8, 1,	7' 11"	7, 11"			8, 6,,	8, 1"	8, 0,,	6' 11"	9' 4"	9, 1"	9, 1,	8' 4"	.6 .6	L	25-11		8' 6"	10' 3"	.0 ,01	10, 0"	9, 7,,	10'9"	10'9"	10, 6"	-	9, 10"	SYN
(1) 2X4 "	GROUP A	7' 11"	7' 11"	7' 11"	6, 6,,	7' 11"	7' 11"	7' 11"	7' 11"	6' 11"	9, 1,,	9, 1.,	9, 1	8.4"	9, 1"	9, 1,,	9, 1,,	9, 1,,	8, 6,	10, 0"	10, 0,,	10, 0"	9. 7"	10 0"	10, 0"		10, 0"	9, 10"	
" BRACE .	GROUP B	6, 10"	.0 .9	6, 0,	5.7		7' 2"	t.V	6' 1"		7' 10"	7' 4"		6' 4"	8, 3,		1.00	.9 .2	13.0	25.00	55.5	200	7, 3,	9, 1"	9, 1,		8, 7,	7' 5"	
(1) 1X4 "L" BRACE	GROUP A GROUP	6'8"	0 .9	6, 0,,	5, 2"	6'8"	6'8"	6' 2"	6' 1"	5'3"	7' 8"	7' 4"	7' 4"	6' 4"	7' 8"	7' 8"	1, 2,,	.,9 ,2	6, 5"	8, 5,,	8, 5,,		7, 3,,		8, 2,			1, 2,	
CZ	BRACES		3, 3,	3, 8,,	3, 6,,	4, 3"	4, 2"	4, 0,,	-			4' 4"	4' 4"	4' 4"	4, 10"		4, 6"	4' 6"	23/7	4' 11"	4, 9"	4' 9"	4, 9"					4, 11"	
BRACE	GRADE	#1 / #2	#3	STUD	STANDARD	#1	#2	#3	STUD	STANDARD	#1 / #2	#3	STUD	STANDARD	#1	#2	#3	STUD	STANDARD	#1 / #2	#3	STUD	STANDARD	#1	#2	#3	STUD	STANDARD	
CARLE VERTICAL	SPACING SPECIES	100	アプア	GI	TIL	1	2	,	DH.		ני	N L L	ПD	111	1	S	İ) H.		ביםט	ひてい	디디	111.	(ν Τ	į	DF.		
	SP/	3	C).	0	X		t					3	0		_	9			ā).	0		"	S	Į		
	H	L		N	H	П		П	A	0	I	Ľ	В	Н	Λ		-	['.	3]	I	7:)		X	A	JΛ			



2X4 STUD, #3 OR BETTER DIAGONAL BRACE; SINGLE

VERTICAL LENGTH SHOWN

IN TABLE ABOVE.

DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

CONNECT

BRACE IS USED.

VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL DIAGONAL BRACE OPTION:

CABLE TRUSS

OR DOUBLE CUT (AS SHOWN) AT UPPER END.

* FOR (1) "L" BRACE: SPACE NAILS A"T 2" O.C.
IN 10" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C.
IN 16" END ZONES AND 6" O.C. BETWEEN ZONES.

ATTACH EACH "L" BRACE WITH 10d NAILS.

PLYWOOD OVERHANG.

DVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER

DOUGLAS FIR-LARCH

CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

OR 12"

BRACING MUST BE A MINIMUM OF 80% OF WEB

"L" BRACING MUS' MEMBER LENGTH.

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH

REFER TO COMMON TRUSS DESIGN FOR

PEAK, SPLICE, AND HEEL PLATES.

2.5X4 2X4

GREATER THAN 11' 6"

1X4 OR 2X3

GREATER THAN 4' 0"
CREATER THAN 4' 0", BUT
LESS THAN 11' 6"

NO SPLICE

VERTICAL LENGTH

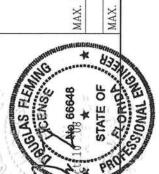
GABLE VERTICAL PLATE SIZES

VARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BASCING. REFER TO BEST (SOLIL'DING COMPONENT SAFETY INFERNATION, PUBLISHED BY FIG TRUSSS PLATE INSTITUTE, 218 MIGHT LEE STR., SILTE 312. ALEXANDRIA, VA. 22313. AND VICA (VIDD TRUSS COUNCIL DE MERCHICA, 5306 MIGFRAISE LIN, MANISON, MI 337199. FOR SAFETY PRACTICES, PRIOR TO PERFORMING THE SET FUNCTIONS. UNLESS OTHERWISE LINDICATED, TOP CHIRD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BUTTOM GHOUR SHALL HAVE A PROPERLY ATTACHED STRUCTURAL.

MIDPOINT OF VERTICAL WEB.

CONNECT DIAGONAL AT

/TWBUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA



	REF	ASCE7-02-GAB11015
	DATE	2/23/07
	DRWG	A11015EE0207
	-ENG	
60 PSF		

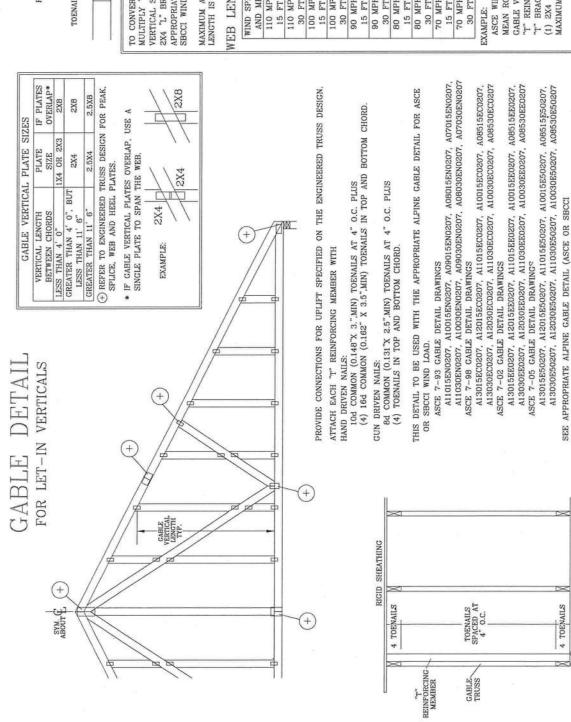
24.0"

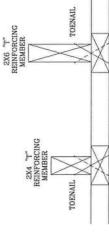
SPACING

TOT. LD.

IMPORTANT FURNISH COPY DF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC., SSALL CONTRACTOR. ITV BCG, INC., SSALL CONTRACTOR. IT BUILD THE PRUSS. IN THE RESIST CHAPTER TO BUILD THE PRUSS. IN THE PRUSS. IN THE RESIST CHAPTER TO BE ANY BEACHTING, HANDLING, SHIPPING, INSTALLING & BRACING OF PRUSSES. IT STALL CHAPTER THE PROPERTY OF THE RESIST OF THE PROPERTY OF THE RESIST OF THE PROPERTY OF T

ALPINE





TO "T" REINFORCING MEMBERS, TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SECCI WIND LOAD. MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14" FROM TOP TO BOTTOM CHORD.

BRACE WEB LENGTH INCREASE W/

ASCE	10	20	10	20	10	20	10	40	10	40	10 %	20	20	30	10	40	20	20	20	30
SBCCI	10 %	40 %	2 01	20 %	2 01	30 %	10 %		20 %	20 %	2 01	30 %	% 01	2 01	20 %	20 %	% 0	% 0	2 01	10 %
"T" REINF. MBR. SIZE	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6
WIND SPEED AND MRH	110 MPH	15 FT	110 MPH	30 FT	100 MPH	15 FT	100 MPH	30 FT	90 MPH	15 FT	90 MPH	30 FT	80 MPH	15 FT	80 MPH	30 FT	70 MPH	15 FT	70 MPH	30 FT

ASCE WIND SPEED = 100 MPH MEAN ROOF HEIGHT = 30 FT

GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 1.07 = 1.10

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH (1) 2X4 "L" BRACE LENGTH = 6"

 $1.10 \times 6' 7' = 7'$

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BACKIO, REFER TO BEGS (BOLLING COMPONENT SAFETY INFORMATION, PUBLISHED BY FIG PROSS PLATE INSTITUTE, 218 NIDRIH LEE STR. 2011 DIA 223 ALEXANDRIA, VA. 22314 AND WITG 4VCIDD TRUSS COLNCIL DEWERTON, 505 BEGS CONTRESS CONNOCIL DEWERTON, 505 BEGS CONTRESS CONNOCIL DEFENDANCE DESTRUCTIONS. UNLESS OTHERVISE INDICATED, TOP CHIERD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARKELS AND BUTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL.

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE

VERTICAL LENGTH.

MATERIORIZATION THE PROPORT THIS DESIGN TO INSTALLATION CONTRACTOR. IT BCG, INC., SHALL MAY BE RESPONSIBLE FOR ANY DEVIATION REIN HIS DESIGNAL OF TALLORS TO BLILD. THE FROSS IN TRICKED CONFORMMER WITH APPLICABLE PROVINCING, SHIPPING, INSTALLING & BRACING OF TRICKES, WITH APPLICABLE PROVINCING OF TRICKES, WITH APPLICABLE PROVINCING OF THIS SHIPPING OF TRICKES, STALL MARK ASSA GARDE. AND THE WAY SEED AND THE STORY DESIGNATION OF THE BUILDING DESIGNAR, PER NAME AS THE THE PROPERTY OF THE STORY DESIGNATION. ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA



DATE 2/23/07 DAWG GBLLETINO207 -ENG DLJ/KAR C. LD. 60 PSF
