

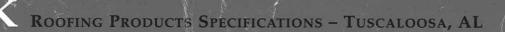
and the second s	Dia County Building I nit Expires One Year From the Date PHONE	of Issue 000025661
Adplicant Stephen Crawford ADDRESS 11736 S US HIGHWAY 44		FL 32025
OWNER STEPHEN CRAWFORD	PHONE	
ADDRESS 11085 S US HIGHWAY 4	#277900.90 12-	FL 32025
CONTRACTOR STEPHEN CRAWFORD	PHONE	2. The Manager and Applied
	N NE CORNER WITH JAMES FEAGLE LA	PORCE-DIA
ECCATION OF TROPERTY	IN THE CONTRACT WITH WASHEST ENGLE DE	
TYPE DEVELOPMENT SFD,UTILITY	ESTIMATED COST OF	CONSTRUCTION 88850.00
HEATED FLOOR AREA 1777.00	TOTAL AREA 2905.00	HEIGHT STORIES 1
FOUNDATION CONC WALL	LS FRAMED ROOF PITCH 7/1	2 FLOOR SLAB
LAND USE & ZONING A-3	MA	AX. HEIGHT 22
Minimum Set Back Requirments: STREET-	FRONT 30.00 REAR	25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE	A DEVELOPMENT PE	ERMIT NO.
PARCEL ID 22-5S-17-09328-008	SUBDIVISION MASON CITY	
LOT 1-17 BLOCK PHASE .	UNIT TO	OTAL ACRES
	CDC1222222	2.0.11
Culvert Permit No. Culvert Waiver C	CRC1328323 Contractor's License Number	Applicant/Owner/Contractor
EXISTING 07-218	BK	JH Y
Driveway Connection Septic Tank Number	LU & Zoning checked by	pproved for Issuance New Resident
COMMENTS: ONE FOOT ABOVE PAVED R	D, 2 FT ABOVE GRADED ROAD	
FDOT APPROVAL FOR NORTH LOT ONLY		
		Check # or Cash 7985
FOR BU		T ONLY
FUR BU	ILDING & ZONING DEPARTMEN	I UNLI
	IILDING & ZONING DEPARTMEN  Foundation	(Tooler/Stab)
Temporary Power date/app. by	Foundation	(Tooler/Stab)
Temporary Power	Foundation	Monolithic date/app. by
Temporary Power  date/app. by  Under slab rough-in plumbing  date/app	Foundation date/app. by	Monolithic date/app. by
Temporary Power  date/app. by  Under slab rough-in plumbing  date/app  Framing	Foundation date/app. by  Slab p. by date/app. by	Monolithic date/app. by date/app. by odd floor
Temporary Power  date/app. by  Under slab rough-in plumbing  date/app  Framing  date/app. by  Flactrical rough-in	Foundation  date/app. by  Slab  p. by  date/app. by  Rough-in plumbing above slab and below wo	Monolithic date/app. by date/app. by odd floor date/app. by
Temporary Power  date/app. by  Under slab rough-in plumbing  date/app  Framing  date/app. by  Flactrical rough-in	Foundation  date/app. by  Slab  p. by  date/app. by  Rough-in plumbing above slab and below wo	Monolithic date/app. by  Sheathing/Nailing date/app. by  ood floor date/app. by  Peri. beam (Lintel)
Temporary Power  date/app. by  Under slab rough-in plumbing  date/app  Framing  date/app. by  Electrical rough-in  date/app. by  Permanent power	Foundation  date/app. by  Slab  p. by  date/app. by  Rough-in plumbing above slab and below wo	Monolithic date/app. by date/app. by odd floor date/app. by
Temporary Power  date/app. by  Under slab rough-in plumbing  framing  date/app. by  Electrical rough-in  date/app. by  Permanent power  date/app. by	Foundation  date/app. by  Slab  p. by  date/app. by  Rough-in plumbing above slab and below wo  Heat & Air Duct  date/app. by  C.O. Final  date/app. by	Monolithic
Temporary Power  date/app. by  Under slab rough-in plumbing  Framing  date/app. by  Electrical rough-in  date/app. by  Permanent power  date/app. by  M/H tie downs, blocking, electricity and plumbing	Foundation  date/app. by  Slab  p. by  date/app. by  Rough-in plumbing above slab and below wo  Heat & Air Duct  date/app. by  C.O. Final  date/app. by	Monolithic
Temporary Power  date/app. by  Under slab rough-in plumbing  date/app. by  Electrical rough-in  date/app. by  Permanent power  date/app. by  M/H tie downs, blocking, electricity and plumbing  Reconnection  date/app. by	Foundation  date/app. by  Slab  p. by  date/app. by  Rough-in plumbing above slab and below wo  Heat & Air Duct  date/app. by  C.O. Final  date/app. by	Monolithic
Temporary Power    date/app. by	Foundation  date/app. by  Slab  p. by  date/app. by  Rough-in plumbing above slab and below wo  Heat & Air Duct  date/app. by  C.O. Final  date/app. by  Pump pole  date/app. by  Vel Trailer	Monolithic
Temporary Power  date/app. by  Under slab rough-in plumbing  date/app. by  Electrical rough-in  date/app. by  Permanent power  date/app. by  M/H tie downs, blocking, electricity and plumbing  Reconnection  date/app. by	Foundation  date/app. by  Slab  p. by date/app. by  Rough-in plumbing above slab and below wo  Heat & Air Duct  date/app. by  C.O. Final  date/app. by  Pump pole  Utility F	Monolithic
Temporary Power    date/app. by	Foundation  date/app. by  Slab  p. by  date/app. by  Rough-in plumbing above slab and below wo  Heat & Air Duct  date/app. by  C.O. Final  date/app. by  Pump pole  date/app. by  Vel Trailer	Monolithic
Temporary Power  date/app. by  Under slab rough-in plumbing  Framing  date/app. by  Electrical rough-in  date/app. by  Permanent power  date/app. by  M/H tie downs, blocking, electricity and plumbing  Reconnection  date/app. by  M/H Pole  date/app. by  BUILDING PERMIT FEE \$ 445.00	Foundation  date/app. by  Slab  p. by date/app. by  Rough-in plumbing above slab and below wo  Heat & Air Duct  date/app. by  C.O. Final  date/app. by  Pump pole  date/app. by  Pump pole  date/app. by  Vel Trailer  date/app. by	Monolithic
Temporary Power    date/app. by	Foundation  date/app. by  Slab  p. by date/app. by  Rough-in plumbing above slab and below wo  Heat & Air Duct  date/app. by  C.O. Final  date/app. by  Pump pole  date/app. by  Pump pole  date/app. by  Vel Trailer  date/app. by  CERTIFICATION FEE \$ 14.53	Monolithic
Temporary Power    date/app. by	Foundation    date/app. by     Slab     p. by   date/app. by     Rough-in plumbing above slab and below wo     Heat & Air Duct   date/app. by     C.O. Final   date/app. by     Pump pole   date/app. by     Pump pole   date/app. by     Vel Trailer   date/app. by     CERTIFICATION FEE \$ 14.53     CERT. FEE \$ 50.00   FIRE FEE \$ 0.00     CERT. FEE \$ 50.00   FIRE FEE \$ 0.00     CERT. FEE \$ 0.00   FIRE FEE \$ 0.0	Monolithic

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

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

### This Permit Must Be Prominently Posted on Premises During Construction

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





### PRESTIQUE® HIGH DEFINITION®



### RAISED PROFILE™

### Prestique Plus High Definition and Prestique Gallery Collection™

Product size	_13¼"x 39¾"
Exposure	5%"
Pieces/Bundle	_16
Bundles/Square	4/98.5 sq.ft.
Squares/Pallet	_11

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

### Raised Profile

Product size 13%"x 38%"
Exposure 5%"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

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

### Prestique I High Definition

_13¼"x 39¾"
5%"
16
4/98.5 sq.ft.
_14

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

### **HIP AND RIDGE SHINGLES**

Seal-A-Ridge® w/FLX™

Size: 12"x 12" Exposure: 6%" Pieces/Bundle: 45

Coverage: 4 Bundles = 100 linear feet

### Prestique High Definition

Product size	13¼"x 38¾"
Exposure	5%"
Pieces/Bundle	22
Bundles/Square_	3/100 sq.ft.
Squares/Pallet	_16

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

### Elk Starter Strip

52 Bundles/Pallet 18 Pallets/Truck 936 Bundles/Truck 19 Pieces/Bundle

1 Bundle = 120.33 linear feet

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

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

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

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

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

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

### SPECIFICATIONS

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

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

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

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

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

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

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

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

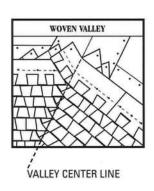
SOUTHEAST & ATLANTIC OFFICE: 800.945.5551

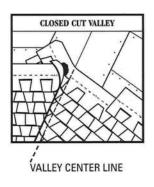
CORPORATE HEADQUARTERS: 800.354.7732

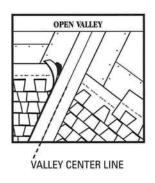
PLANT LOCATION: 800.945.5545



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







### DIRECTIONS FOR APPLICATION

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

### **O** DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

### *O* UNDERLAYMENT

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

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

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

For standard slope (4/12 to less than 21/12), use coated roll roofing for oless than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

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

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

### STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR A STRIP SHINGLE INVERTED WITH THE HEADLAP APPLIED AT THE EAVE EDGE. With at least 4" trimmed from the end of the first shingle, start at the rake edge overhanging the eave 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

### **O** FIRST COURSE

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

### SECOND COURSE

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

### **® THIRD COURSE**

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

### **@** FOURTH COURSE

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

### FIFTH AND SUCCEEDING COURSES.

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

### **3** VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36° wide vertical underlayment prior to applying 18° metal flashing (secure edge with nails). No nails are to be within 6° of valley center.

### **9** RIDGE CONSTRUCTION

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

### **FASTENERS**

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

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

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

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

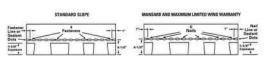
Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less.

### MANSARD APPLICATIONS

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

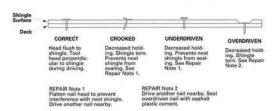
### LIMITED WIND WARRANTY

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



### HELP STOP BLOW-OFFS AND CALL-BACKS

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



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.

All Prestique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

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

### © 2002 Elk Corporation of Dallas.

All trademarks, ®, are registered trademarks of Elk Corporation of Dallas, an ELCOR company. Raised Profile, RidgeCrest, Gallery Collection and FLX are trademarks pending registration of Elk Corporation of Dallas. UL is a registered trademark of Underwriters Laboratories, Inc.



### **Columbia County Building Permit Application**

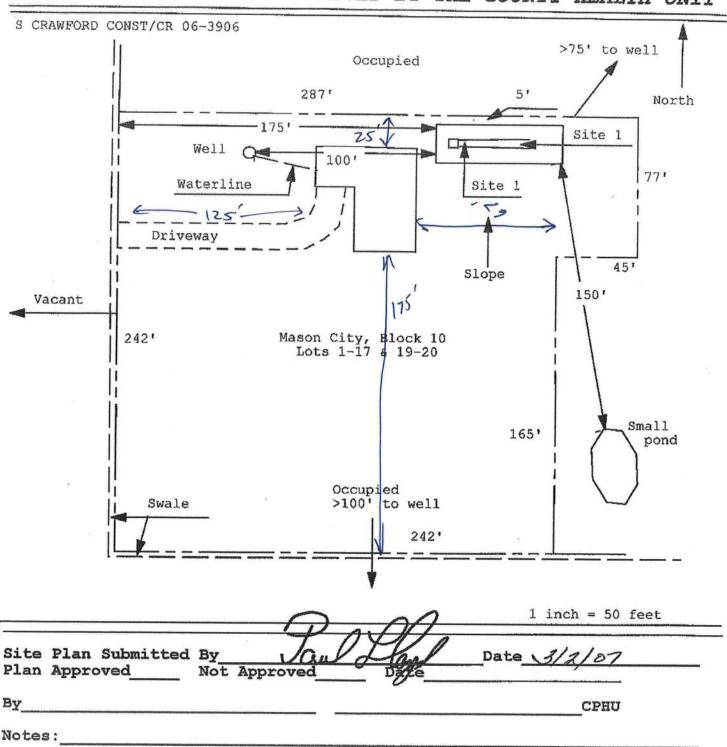
549.06

2 11/2
For Office Use Only Application # 5703-36 Date Received LH 3-14-07 Permit # 2566/
Application Approved by - Zoning Official 32K Date 22.03.07 Plans Examiner OK JTH Date 3-16-07
Flood Zone Development Permit Zoning Land Use Plan Map Category A - 3
Comments Approval FOOT for North 1st Floor to be 1st above paved Rd.
What dulded Lot Only (see A HACKED) & EM
Fax 758-9560
Applicants Name Stephen Crawford Phone (386) 755-5068
Address 11736 S US Huy 441 Lake City, FL 32025
Owners Name Stephen Crawford Phone (386) 755-5068
911 Address 11085 5 US Hwy 441 Lake City, FL 32025
Contractors Name Stephen Crawford Construction, Inc. Phone (386) 755-5068
Address 11736 S US Hwy 441 Lake City, PL 32025
Fee Simple Owner Name & Address Stephen Crawford 11736 Sus Hury 441 Lake City FL 32035
Bonding Co. Name & Address
Architect/Engineer Name & Address Wark Disasury, PE P.O. Box 868 Lake City, EL 32056
Mortgage Lenders Name & Address
Property ID Number 22-55-17-09328-008 Estimated Cost of Construction 150,000.00
Subdivision Name Wason City Lot 10 Unit Phase
Driving Directions Highway 441 South, Lot on NE corner with
James Feagle Lane.
Type of Construction Residential - New Home Number of Existing Dwellings on Property
Total Acreage96 _ Lot Size 125 1345 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 125' Side 25' Side 175' Rear 67'
Total Building Height 22' 10" Number of Stories Heated Floor Area Roof Pitch _ 7:12
70142 2905
Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in
compliance with all applicable laws and regulating construction and zoning.
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING
TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.
The state of the s
Steal Stall
Owner Builder or Agent (Including Contractor)  Contractor Signature  Contractor Signature
STATE OF FLORIDA  LAURIE HODS SAPITACE OF S License Number (1201328323)  MY COMMISSION # DC SERPET PROY Card Number
COUNTY OF COLUMBIA  EXPIRES: June 28, 2008  Bonded Thru Notary Public Underwriters
Sworn to (or affirmed) and subscribed before me NOTARY STAMP/SEAL
this 14 day of March 2007.
Personally known or Produced Identification

**Notary Signature** 

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

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



### Columbia County Property Appraiser DB Last Updated: 2/5/2007

Parcel: 22-5S-17-09328-008

### 2007 Proposed Values

Tax Record Property Card

Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	STEPHEN CRAWFORD CONSTRUCTION				
Site Address					
Mailing Address	INC P O BOX 1330 LAKE CITY, FL 32056				
Use Desc. (code)	VACANT (000000)				
Neighborhood	22517.00	Tax District	3		
UD Codes	MKTA02	Market Area	02		
Total Land Area	1.400 ACRES		The second second second		
Description	LOTS 1 THRU 20 BLOCK 10 MASON CITY EX LOT 18 & EX A PARCEL DESC ORB 1059-1877 ORB 1106- 263				

**GIS Aerial** 



### **Property & Assessment Values**

Mkt Land Value	cnt: (1)	\$23,492.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$23,492.00

Just Value	\$23,492.00
Class Value	\$0.00
Assessed Value	\$23,492.00
Exempt Value	\$0.00
Total Taxable Value	\$23,492.00

### Sales History

Sale Date	Book/Page	Inst. Type	Sale Vimp	Sale Qual	Sale RCode	Sale Price
12/22/2006	1106/263	WD	I	Q		\$35,000.00
10/15/2002	964/2662	WD	V	U	01	\$100.00
10/7/2002	964/641	WD	٧	U	. 01	\$100.00

### **Building Characteristics**

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
			NONE			-

### Extra Features & Out Buildings

Code	Desc	Year Bit	Value	Units	Dims	Condition (% Good)
		THE CONTRACTOR OF THE CONTRACT		NONE		

### Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.400 AC	1.00/1.00/1.00/1.00	\$16,780.50	\$23,492.00

Columbia County Property Appraiser

DB Last Updated: 2/5/2007

Page: 2/2

### COLUMBIA COUNTY 9-1-1 ADDRESSING

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

### Addressing Maintenance

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

3/12/2007

DATE ISSUED:

3/13/2007

ENHANCED 9-1-1 ADDRESS:

11085

US HIGHWAY 441

LAKE CITY

PROPERTY APPRAISER PARCEL NUMBER: 32025

22-5\$-17-09328-008

Remarks:

LOTS 1 THRU 20 BLOCK 10 MASON CITY

Address Issued By:

Columbia County 9-1-1 Addressing / GIS Department

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

### General Warranty Deed

Made this December & 2006 A.D. By Vernal L. Huffines, a married man, PO Box 97000, Wichita Falls, TX 76307, hereinafter called the grantor, to STEPHEN CRAWFORD CONSTRUCTION, INC., a Florida corporation whose post office address is: PO Box 1330, Lake City FL 32056, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Lots 1 through 20, inclusive, Block 10, MASON CITY, according to the plat thereof, recorded in Plat Book 1, Page(s) 31 of the Public Records of Columbia County, Florida. LESS and EXCEPT Lot 18 and LESS and EXCEPT those lands recorded in Official Records Book 1059, Page 1877 known as Parcel 10 of said Public Records.

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or an members of the household of Grantor(s) reside thereon.

Parcel ID Number: R09328-008

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

To Have and to Hold, the same in fee simple forever.

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

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written. Signed, sealed and delivered in our presence:

Vernal L. Huffines Address: PO Box 97000, Wichita Falls, TX 76307 (Seal) Witness Printed Name

State of Colorado County of Pit Kin

The foregoing instrument was acknowledged before me this 22 14 day of December, 2006, by Vernal L. Huffines, a married man, who is/are personally known to me or who has produced Texas Drivers Lyers as identification.

Address:

Notary Public Print Name:

My Commission Expires: 11-16-09

DEED Individual Warranty Deed with Non-Ho Closers' Choice

### NOTICE OF COMMENCEMENT FORM COLUMBIA COUNTY, FLORIDA

### ""THIS DOCUMENT MUST BIT RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR PIRST INSPECTION ""

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

ax Parcel ID N	umber 22-53-17-0432	8 - 008	PERMIT NUMBER
Donniston	of seconds then description of	Nha wara a da a da a da a da a da a da a d	A-14
Coo	of property: (legal description of	the property and stree	t address or 911 address)
See	S-911)		
1108	5 5 us 14wy 991		
- Care	- (+4 + FL 32025		
2. General de	acription of improvement: Neu	o Home	
3. Owner Nam	o & Address Stephen Cy	constand 112	365 US HWY 441
lake	City, FL 32025	Interest in I	Property
4. Name & Ad	dress of Fee Simple Owner (if oth	er than owner):	
5. Contractor	Name Stephen Crows	ard Const. Inc	Phone Number (336) 755-5068
Address_	11736 5 US Hay 40	41 Lake City	FL 32075
6. Surety Hole	ders Name		Phone Number
Amount of	Bond		
7. Lender Na	ne None		Phone Number
	·		
8. Persons w served as prov	ithin the State of Florida designate /ided by section 718.13 (1)(a) 7; Fk	ed by the Owner upon orida Statutes:	whom notices or other documents may be
Name			Phone Number
9. In addition			
			's Notice as provided in Section 713.13 (1) -
			te is 1 (one) year from the date of recording,
(Unless a	different date is specified)		The state of the s
		E .	
The owner mu	R CHAPTER 713, Florida Statutes	i ent and no one elee me	y be permitted to sign in his/her stead.
THE CHILD MILE	at oldin ala mondo di dominiano dine	ANT GIVE HO OTHE STOR THE	y sa parimera lo sigir in marier stead.
		, Si	worn to (or affirmed) and subscribed before ay of MARCN 14 20 0 7
~	Leg /	NO	OTARY STAMP/SEAL
Signature	of Owner		۸
	BARE MY CO	SARA A. SAUNDERS MMISSION # DD 294157 RES: February 25, 2008	Barbara C Sauna
	Bonded Th	ru Notary Public Underwriters	Signature of Hotary

### CLYATT WELL DRILLING. INC.

Established in 1974 Post Office Sox 180

Worthington Springs, Florida 32097 Phone (335)498-2088 FAX (386)486-4840 WELL DESCRIPTION

DESCRIPTION DATE 7/12/2007

### CUSTOMER NAME AND ADDRESS

Stephen Crawford Construction Attn.: Stephen Crawford 991 Southwest Charleston Court Lake City, Florida 32025

### DESCRIPTION OF WORK

4" Well and Pump 441 Spec House Mason City

### DESCRIPTION

4" Well

1 HP Submersible Pump

1-1/4" Galvanized Drop Pipe

14/3 Submersible Pump Wire With Ground

WF255 (220 Gallon Equivalent) Tank

4 X 1-1/4 Well Seal

Pressure Relief Valve

Controls & Fittings

THANK YOU FOR YOUR BUSINESS: This document is provided to give a description of the well to be constructed on your behalf. All materials remain the property of Clyatt Well Drilling, Inc., until paid for in field. Clyatt Well Drilling, Inc., does not agree to find or develop water, nor does it represent, warrant or guarantee the quality or kind of water which may be encountered. If it is necessary to install water filters, the owner agrees it is his/her responsibility to pay the cost. Right to represents a granted if payment for well is not made.

FAX MEMORANDUM 3-22-2007 MEMORANDUM FLORIDA DEPARTMENT OF TRANSPORTATION

To: Mr. John Kerce, Dept. Director Columbia Co. Building & Zoning

Dept.

Fax No: 904-758-2160

Attention: In-House Staff

From: Neil E. Miles, FDOT Permits Coor. Date: 3-22-07 Fax No. 904-961-7180

**Permits Office** 

( ) Sign and return. ( ) For your files. ( ) Please call me. (XX ) FYI ( ) For Review

Reason for Contact: Received a call from Richard Smith co-owner with Steven Crawford who have purchased property in Mason City in the NE Quadrant of SR-25 (US 441) & James Feagle Road.) 2 new lots have been surveyed out for proposed Spec Houses.

REF: Notice of Existing Driveway Access Review / Inspected On: 3-21-07

PROJECT: Inspection of Existing Access Connection for FDOT Permit Compliance

PROPT. OWNER: Stephen Crawford Construction Co., Inc. /

PRIOR PROPT. OWNER: Vernal L. Huffines

PROPOSED: Inspection of existing access on N. of SE James Feagle Road (Mason City)

NEW PERMITTEE's MAILING ADDRESS: PO Box 1330 LC, Fl. 32056-1330

COUNTY PARCEL ID No: 22-55-17-09328-008

CONTRACTOR: Stephen Crawford/Richard Smith / Phone # 386-867-1140 Cell#

FDOT Permit No: None Required at this time

Engineer: Unknown

Mr. Kerce or Staff Member:

The existing access connection will be acceptable for the new North Lot Only. The new South Lot must gain access by way of SE James Feagle Road due to State Spacing requirements.

Please accept this as our notice of same and lift any Columbia County Permit restrictions that may have applied to the North Site Lot Only as it pertains to State FDOT Access compliances.

### Page 2 of 2

### Columbia Co. Building Department, Access Notice

If further information is required on this project please do not hesitate to contact this office for additional access permitting information details. My office number is 961-7193 or 961-7180.

Sincerely,

**Neil Miles** 

Access Permits Coordinator

It's great to have folks like you to work with, thanks again for your assistance!

D\_SearchResults

### **Columbia County Property**

Appraiser
DB Last Updated: 3/8/2007

Parcel: 22-5S-17-09328-008

### 2007 Proposed Values



Search Result: 1 of 1

### **Owner & Property Info**

Owner's Name	STEPHEN CRAWFORD CONSTRUCTION					
Site Address						
Mailing Address	INC P O BOX 1330 LAKE CITY, FL 32056					
Use Desc. (code)	VACANT (000000)					
Neighborhood	22517.00	22517.00 Tax District 3				
UD Codes	MKTA02	Market Area	02			
Total Land Area	1.400 ACRES					
Description	CITY EX LO	LOTS 1 THRU 20 BLOCK 10 MASON CITY EX LOT 18 & EX A PARCEL DESC ORB 1059-1877 ORB 1106-				



### **Property & Assessment Values**

Mkt Land Value	cnt: (1)	\$23,492.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$23,492.00

Just Value	\$23,492.00
Class Value	\$0.00
Assessed Value	\$23,492.00
Exempt Value	\$0.00
Total Taxable Value	\$23,492.00

### **Sales History**

Sale Date	Book/Page	Inst. Type	Sale Vimp	Sale Qual	Sale RCode	Sale Price
12/22/2006	1106/263	WD	I	Q		\$35,000.00
10/15/2002	964/2662	WD	V	U	01	\$100.00
10/7/2002	964/641	WD	٧	U	01	\$100.00

### **Building Characteristics**

Bldg Item	Bldg Desc	Year Bit	Ext. Walls	Actual S.F. Bldg Value		
	Indicate in		NONE			

Page 2 of 2

D\_SearchResults

**Extra Features & Out Buildings** 

Code	Desc	Year Bit	Value	Units	Dims	Condition (% Good)
Oode			August 1	NONE		

### Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
To a series of the series of t		1.400 AC	1.00/1.00/1.00/1.00	\$16,780.50	\$23,492.00

Columbia County Property Appraiser

DB Last Updated: 3/8/2007

1 of 1

### Disclaimer

This information was derived from data which was compiled by the Columbia County Property Appraiser's Office solely for the government purpose of property assessment. The information shown is a **work in progress** and 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 finalized for ad-valorem assessment purposes.

### Notice:

Under Florida Law, e-mail addresses are public record. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead contact this office by phone or in writing.

Scroll to Top

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### Columbia County Tax Collector



### Columbia County Tax Collector governmax.com T1.12

Site Provided by...

### Tax Record

Last Update: 3/21/2007 8:26:08 PM EDT

### Details Tax Record

» Print View Legal Desc. Appraiser Data Tax Payment Payment History

### Searches Account Number

GEO Number Owner Name Property Address Certificate MOM Mailing Address

### Site Functions Disclaimer

**Tax Search** Local Business

Tax

Contact Us County Login Home

### Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a title search and should not be re such.

Account Number	Tax Type	Tax Ye
R09328-008	REAL ESTATE	2006
Mailing Address HUFFINES VERNAL L	Property	Address

P O BOX 97000 WICHITA FALLS TX 76307

GEO Number 175822-09328-008

Assessed Value	Exempt Amount	Taxable V
\$29,289.00	\$0.00	\$29,289

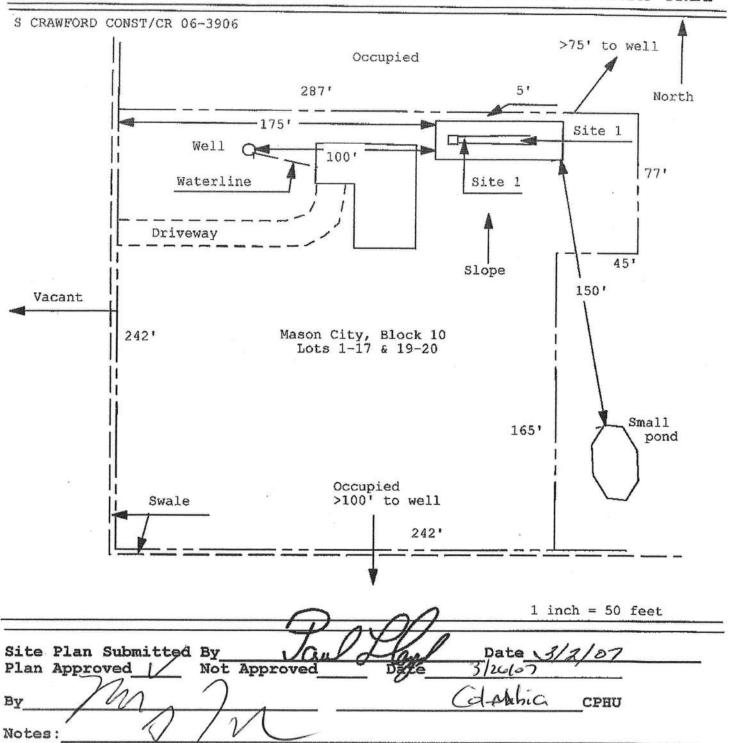
Escrow Co Millage Code Exemption Detail 003 NO EXEMPTIONS

Legal Description (click for full description) 22-5S-17 0000/0000 1.92 Acres PART OF LOTS 1 & 32 BLC MASON CITY DESC AS: COMM AT SE COR LOT 32 BLK 3, RUN APPX 35.36 FT FOR POB, CONT N 33.04 FT TO NE COR LOT RUN W 295 TO NW COR LOT 1, ALSO BEING A PT ON E R/W L US-41, RUN S APPX 44.35 FT, E 294.54 FT See Tax Roll Extra Legal

Ad	Valorer	n Taxes		
Taxing Authority	Rate	Exemption Amount	Taxable Value	
BOARD OF COUNTY COMMISSIONERS	8.7260	0	\$29,289	Ş
COLUMBIA COUNTY SCHOOL				
BOARD				
DISCRETIONARY	0.7600	0	\$29,289	
LOCAL	4.9750	0	\$29,289	5
CAPITAL OUTLAY	2.0000	٥	\$29,289	
SUWANNEE RIVER WATER MGT	0.4914	0	\$29,289	
SHANDS AT LAKE SHORE	2.2500	0	\$29,289	
INDUSTRIAL DEVELOPEMENT	0.1380		\$29,289	

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan Permit Application Number: 12-56-112950 07-02181

### ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



FORM 600A-2004R

EnergyGauge® 4.5

### FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Climate Zone: North			Permit Number: 2. Jurisdiction Number:	221000	
				201000	
. New construction or existing	New	12.	Cooling systems		
. Single family or multi-family	Single family		Central Unit	Cap: 42.0 kBm/hr	e
. Number of units, if muki-famil	y 1 _			SEER: 13.00	_
. Number of Bedrooms	3 _	. 6	N/A		+.4
. Is this a worst case?	Yes	.			-
Conditioned floor area (ft <sup>3</sup> )	1777 th	_ C.	N/A		
	qd. by 13-104.4.5 if not default)				-
a. U-factor:	Les cription Area	13.	Heating systems		
(or Single or Double DEFAU)	T) 7a. (Dide Default) 214.0 ft	-	Electric Heat Pump	Cap: 41.0 kBtw/hr	
b. SHGC:	• Francisco		•	HSPF: 7.70	
(or Clear or Tiar DEFAULT)	7h. (Clear) 214.0 nº	b.	N/A		_
Floor types		1			
a Slab-On-Grade Falge Insulation	R=0.0, 228.0(p) Ω	C.	N/A		***
b. N/A					
o. N/A			Hot water systems		
Wall types	,,	a.	Electric Resistance	Cap. 50.0 gallons	
a. Frame, Wood, Exterior	R-13.0, 1296.0 ft	.		EF: 0.92	-
b. Frame, Would, Adjaccot	R=13.0, 220.0 ft*	b.	N/A		
c. N/A	1				
d. N/A			Conservation credits		1911
c. N/A			(TIR-Heat recovery, Solar		
. Ceiling types			DHP-Dedicated hear pump)		
a. Under Attic	R-30.0, 1777.0 ff	15.	IIVAC credits		
b. Under Attic	R=19.0, 228.0 ff		(CF-Ceiling fan CV-Cross ventilation.		***
c N/A			HF-Whole house fan.		
. Duets	:		PT-Programmable Thermostat,		
a. Sup: Unc. Ret. Unc. AH: Gura	go Sup. R-6.0, 224.0 ft	9	M7-C-Multizone ecoling.		
b. N/A	20 × 20 × 20 × 20 × 20 × 20 × 20 × 20 ×	. 1	MZ-H-Multizons beating)		
	_				
	<del></del>				

hereby certify that the plan	s and specifications	covered by
this calculation are in compl		
Code.	12	

PREPARED BY:

hereby certify that this building, as dealing compliance with the Fiorida Energy Code.

OWNER/AGENT:

DATE:

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

compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL:

DATE:

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 284. EnergyGauge® (Version: FLRCSB v4.5)

### Code Compliance Checklist Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

### **6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST**

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	806.1.ABC.1.1	Manamum: 3 cfm/sq.ft. window area; 5 cfm/sq.ft. cloor area	
Exterior & Adjacent Wells	606.1.ABC.1.2.1	Caulic, gesitet, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & well cole or elli 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 inflitration barrier is installed that adende from, and is sealed to, the foundation to the top plate.	
Floors	506.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by trues or joint members.  EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and searce.	
Cellings	606.1.A8C.1.2.3	Between walls & ceilings; panetrations of ceiling plane of top floor; eround shafts, chases, soffits, channeys, cabinate sealed to continuous air berrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is implated that is sealed at the parimister, at penetrations and searce.	
Recessed Lighting Fidurus	606.1.ABC.1.124	Type IC rated with no penstrations, sealed; or Type IC or non-IC rated, installed inside a sweled box with 1/2" elserance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	608.1.ABC.1.25	As berrier on perimeter of floor cervity between floors.	
Additional Infiltration regts	606.1.ABC 1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	Ī

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or outpff (ass) result be provided. External or built-in heat true required.	
Swimming Pools & Spas	6121	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.	<u> </u>
Air Distribution Systems	510.1	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 attice: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	1
Insulation	604.1, 602.1	Ceilinga-Min. R-19. Common wells-Frame R-11 or CBS R-3 both sides.  Common ceiling & floore R-11.	

FORM 600A-2004R

EnergyGauge® 4.5

### **WATER HEATING & CODE COMPLIANCE STATUS**

Residential Whole Building Performance Method A - Details

ADDRESS:,,,	PERMIT #:
The second control of	

	E	BASE			AS-BUILT											
WATER HEA Number of Bedrooms	TING	Multiplier	25	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X	Credit =					
3		2635.00	CONTRACTOR OF THE PARTY OF THE	7305.0	50.0	0.92	3		1.00	2635.00	1.00	7905.0				
				aisto Historia	As-Built To	dad:						7905.0				

			1	CODE	CC	MPLI	ANCE	ST	ATUS	;					
	BASE							AS-BUILT							
Cooling Points	+	Heating Points	+	Hot VVeter Points	=	Total Points	Cooling Points	4	Heating Points	+	Hot Water Points	=	Total Points		
6954	an way	9646	eowate	7905	N. Stephenson	24504	6810	The Real Property lies	9762		7905	mana abrid	24478		

PASS



FORM 600A-2004R

EnergyGauge® 4.5

### WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

The state of the s	
ADDRESS:,,,	PERMIT #:
THE RESIDENCE OF THE PROPERTY OF THE PARTY O	

	BASE AS-BUILT								mad accomply do the Child College Child College		
Winter Base	Points:	17411.0	Winter As-	17639.4							
Total Winter X Points	System ≠ Multiplier	Heating Points	Total ) Component (System - Poin	Ratio	X Duct Multiplie (DM x DSM x A		System Multiplier		Credit Multiplie	12	Heating Points
17411.0	0.5540	96:45.7	(ays 1: Electric He 17639.4 17639.4	1.000 1.00	(1.069 x 1.16	9 x 1		2	Inc(R),Gar(A 1.000 1.000	-	9762.0 9 <b>762.0</b>

EnergyGauge® 4.5

### WINTER CALCULATIONS

### Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT#:

BASE	A	AS	-BU	ILT				
GLASS TYPES .18 X Conditioned X BWPM = Foints Floor Area	Type/SC C	Overnar Imt Le	w	Area X	W	PM X	woi	F = Point
.18 1777.0 20.17 6452.0	1.Double, Clear	N 2.0	6,C	55.0	24	58	1.00	1382.0
	2.Double, Claur	E 2.0	6.0	102.0	18	.79	1.08	2032.0
	3.Double, Clear	3 2.0	37.5	23.0		30	1.26	435.D
	4.Double, Clear	M 50	6.0	30.0	20	.73	1.04	648.0
	As-Built Total:		and the second	214.0	900.00	enceral stations on		4497.0
WALL TYPES Area X BWPM = Points	Туре	R	-Value	Area	X	WPM	=	Points
Adjacent 220.0 3.60 792.0	1. Frame, Wood, Exterior		13.0	1298.0		3,40		4408.4
Exterior 1298.0 3.70 4795.2	2. Frame, Wood, Adjacent		13.0	220.0		3.30		726.0
Base Total: 1818.8 5487.2	As-Bulk Total:			1516.0	Teuskiens			6132,4
DOOR TYPES Area X BWPM = Points	Туре			Area	х	WPM	=	Points
Adjacent 18.0 11.50 207.0	1.Exterior Insulated			44.0	1/2/01	3.40	determ	369.6
Exterior 44.0 12.30 541.2	2.Adjacent insulated			18.0		5.00		144.0
Baso Total: 62.0 748.2	As-Built Yotal:	tanàn kanada/kanikakan	and the second second	62.0	-	Walkin houses	dell'i versi	613.6
CEILING TYPES Area X BWPM = Points	Туре	R-Valu	e A	ea X W	PM	x wc	M =	Points
Under Attic 1777.0 2.05 3542.8	1. Under Attic		30.0	1777.0	2.05	X 1.00		3642.8
	2. Under Altic		19.0	226.0	2.70	X 1.00		615.6
Base Total: 1777.0 3842.8	An-Buit Yotel:	HARROW PROMISER	DOMESTIC A	2006.0	row.	Med Dead Alich o		4268.4
FLOOR TYPES Area X BWPM = Points	Туре	R	-Value	Area	X	WPM		Points
Slab 228.0(p) 8.9 2029.2	1. Slab-On-Grade Edge Insulation	XI)	0.0	228.0(p	- Contraction	18.80		4286.4
Raised 0.0 0.00 0.0				2007 S.A. 2007 355 (1)				
Base Total: 2029.2	As-Built Total:		Maria Deposita di Sa	229.0	-	California de Maria de Cal		4288.4
INFILTRATION Area X BWPM = Points				Area	x	WPM	r	Points
1777.0 -0.59 -1048.4				1777	0	-0.59		-1048.4

FORM 600A-2004R

EnergyGauge® 4.5

### **SUMMER CALCULATIONS**

Residential Whole Building Performance Method A - Details

process of the second contract of the second	
ADDRESS: , , ,	PERMIT#
The second secon	The state of the s

	AS-BUILT															
Summer Base Points: 21396.2				396.2	Summer As-Built Points:									20951.5		
Total Summer Points	X	System Multiplier	25	Cooling Points	Total Component (System - Po	X	Cap Ratio		Duct Multipile LEDSM x A	7	System Muhipher		Credit Multiplier	**	Cooling	
21396.2	eane.um	0.3250	en aflorde	6953.8	(eye 1: Central Un 2095† 20951 . 5	nit 42	1.00 1.00		F/BF(13.0) ( 9 x 1.147 x 1.250	1.00		R),G	1,000 1,000	mis.	6810.5 <b>810.5</b>	

FORM 600A-2004R

EnergyGauge® 4.5

### **SUMMER CALCULATIONS**

### Residential Whole Building Performance Method A - Details

ADDRESS:,,,	PERMIT#:
and the same of th	

	BAS	E					BEATTLE 14/101	AS-	BU	ILT				
GLASS TYPES .18 X Condition Floor Are		88	PM =	Po	ints	Type/SC	Ovi	erhang Len		Area X	SP	мх	SOF	= Points
.18 1777.0	CHARLACTURAS.	1	8,50	4	946.8	1.Double, Ciner	N	2.0	6.0	56.0	19	20	0.90	987.0
18						2.Double, Clear	ε	2.0	6.0	102.0	42.	06	0.85	3636.0
						3.Double, Clear	S	2.0	6.0	26.0	36.	87	0.78	723.0
						4.Double, Clear	W	2.0	6.0	30.0	38.	52	0.85	981.0
						As-Buill Yotni:				214.0				0.000.0
WALL TYPES	Area	Х	BSPM	æ	Points	Туре		R-	Value	Area	×	SPA	1 =	Points
Adjacent	220.0		0.70		154.0	1. Frame, Wood, Exterior			13.0	1296.0	SEP ASSESSED.	1.50	Name of Street, or other Persons and Street,	1944.0
Exterior	1299.0		1.70		2203.2	2. Frame, Wood, Adjacent			13.0	220.0		0.60		132.0
Base Total:	1616.	0		ISSULATE I	2357.2	As-Built Total:		Acres a Tribativa Resi	- Children	1518.0				2076.0
DOOR TYPES	Area	X	BSPM	=	Points	Туре				Area	х	SPA	1 =	Points
Adjacent	18.0		2.40		43.2	1.Exterior insulated		Section Section 1	de same de Andrea	44.0		4.10		180.4
Exterior	44.0		6.10		268.4	2.Adjecent insulated				18.0		1.60		28.6
Base Total:	62.	0	na vitalisti (Falika)	ordinana i	311.6	As-Built Total:		EULGYGY AUN	to China containe	62.0		na rezalentida		209.2
CEILING TYPES	Area	X	BSPM	8	Points	Туре		R-Valu	e .	Ares X S	SPN	X SC	:M =	Points
Under Attio	1777.0	-	1.73		3074.2	1. Under Attic	all		30.0	1777.0	1.73	X 1.00		3074.2
						2. Under Altic			19.0	226.0	2.34	X 1.00		633.6
Base Total:	1777	0	Service Com	MANUFACT P	3074.2	As-Built Total:	-		-	2005.0		usement.	PAPER N	3607.7
FLOOR TYPES	Area	x	BSPM	12	Points	Туре		R.	Value	Area	х	SPA	1 =	Points
Sinio 2	28.0(p)		-37.0		-8436.0	1. Slab-On-Grade Edge Insu	lation		0.0	228.00		-41.20		-9393.6
Raised	0.0		0.00		0.0									
Base Total:			and the same of th		-8436.0	As-Built Total:				228.0		nia emilia eta		-0393.0
INFILTRATION	Area	х	BSPM	*	foints					Area	x	SPA	A =	Points
Manager Manager State of the	1777.	0	10.21	remond o	18143.2		and the case			1777.	D	10.2	1	18143.2

### F F SHELL

### ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

### ESTIMATED ENERGY PERFORMANCE SCORE\* = 84.5

The higher the score, the more efficient the home.

		2000				
I. Now construction or existing	New		12.	Cooling systems		
2. Single family or multi-family	Single family	-	G.	Control Unit	Cap: 42.0 kBtu/hr	
3. Number of units, if multi-family	1				SEER: 13.00	
4. Number of Bodrooms	3	_	b.	N/A		
5. Ta this a worst case?	Yes	170000000				
Conditioned their area (ft²)	1777 <del>(*</del>	_	C.	N/A		
7. Glass type I and area: (Label reqd. b)	y 13-104.4.5 if not default)					
a. U-factor:	Description Area		13.	Heating systems		
(or Single or Double DEFAULT) ?			a.	Electric Heat Pump	Свф: 41.0 kBtu/hr	
b. SHGC:					HSPF: 7.70	***
(or Clear or Tint DEFAULT)	7b. (Clear) 214.0 ft <sup>2</sup>		b.	N/A		_
8. Ploor types	# # # # # # # # # # # # # # # # # # #					-
a. Siab-On-Grade Edge insulation	R-0.0, 228,0(p) &	2.2	Ç.	N/A		-1000
b. N/A	237-2	-				
c. N/A			14.	Hot water systems		
9. Wall types			3.	Fleutric Resistance	Cap: 50.0 gallons	
a. Frame, Wood, Exterior	R-13.0, 1296.0 fb				EF: 0.92	-
b. Frame, Wood, Adjacent	R-13.0, 220.0 ff	-	b.	N/A		_
c. N/A		_				
d. N/A			u.	Conservation credits		
e. N/A				(IIR-Heat recovery, Solur		
10. Coiling types				OHP-Dedicated heat pump)		
u. Under Attic	R=30.0, 1777.0 IL	-	15.	HVAC credits		
b. Under Attic	R=19.6, 228.0 ft2			(CF-Ceiting fan, CV-Cross ventitation,		
c. N/A				HF-Whose house fau,		
11. Ducts				PT-Programmable Thermostat		
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 224.0 ft			MZ-C-Multizone cooling.		
b. N/A		-		MZ-H-Multizons heating)		
I certify that this home has complic Construction through the above en in this home before final inspection based on installed Code compliant	crgy saving features whith. Otherwise, a new EPL features.	ch will	be i	nstalled (or exceeded)		TROPE
Builder Signature:		Date:	:			
Address of New Home:				ip:		
*NOTE: The home's estimated ene This is not a Building Energy Ratii						

\*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/DOF, EnergyStdf designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321.638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

1 Predominant glass type. For social glass type and area, see Stangar & Winter Glass output on pages 2&4. Energy Gauge ® (Version: FLRCSB v4.5) wrightsoft

Project Summary Entire House

Touchstone Heating and Air, Inc.

P.O. Box 327, Lake Butlet, Fl 32054 Phone: 386-496-3467 Fax: 386-496-3147

Job: 441 Spec Date: Feb 19, 2007

By: TE

### Project Information

For:

Stephen Crawford P.O. Box 1330, Lake City, FI 32056 Phone: 386-755-5068 Fax: 386-758-9500

Notes:

### Design Information

	Weather: Jackson	ville, Cecil Field NAS, FL, US	
Winter Desig	n Conditions	Summer Design C	onditions
Outside db Inside db Design TD	34 °F 70 °F 36 °F	Outside db Inside db Design TD Daily range Relative humidity Molsture difference	95 °F 75 °F 20 °F M 50 % 40 gr/lb
Heating !	Summary	Sensible Cooling Equipm	nent Load Sizing
Structure Ducts Central vent (41 cfm) Humidification Piping Equipment load	16051 Btuh 7017 Btuh 1634 Btuh 0 Btuh	Structure Ducts Central vent (41 cfm) Blower	18694 Bluh 9186 Bluh 908 Bluh 0 Bluh
	24702 Bluh	Use manufacturer's data Rate/swing multiplier Equipment sensible load	n 1.00 28788 Btuh
Method Construction quality	Simplified Average	Latent Cooling Equipme	ent Load Sizing
r-replaces	Heating Cooling 1768 1768 16552 16552	Structure Ducts Central vent (41 cfm) Equipment latent load	2306 Bluh 1620 Bluh 1131 Bluh 5060 Bluh
Air changeá/hour Equiv. AVF (cfm)	0.38 0.20 105 55	Equipment total load Req. total capacity at 0.70 SHR	33847 Btuh 3.4 ton
Heating Equipr	ment Summary	Cooling Equipment	Summary
Make Trane Trade Model 2TWA3042A3  Efficiency Heating input Heating output Temperature rise	8 HSPF 36400 Btuh @ 47°F 25 °F	Make Trane Trade Cond 2TWA3042A3 Coil TXC065\$3 Efficiency Sensible cooling Latent cooling Total cooling	13 SEER 27650 Btuh 11850 Btuh 39500 Btuh
Actual air flow Air flow factor Static pressure Space thermostat	1317 cfm 0.057 cfm/Btuh 0.00 in H2O	Latent cooling Total cooling Actual air flow Air flow factor Static pressure Load sensible heat ratio	1317 cfm 0.047 cfm/Btuh 0.00 in H2O 0.85

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

25661

Inst:2007006009 Date:03/14/2007 Time:14:21
\_\_\_\_\_DC,P.DeWitt Cason,Columbia County B:1113 P:1664

NOTICE OF COMMENCEMENT FORM COLUMBIA COUNTY, FLORIDA

### ""THIS DOCUMENT MUST BIT RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION ""

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

x Parcel 10 Number 22-55-17-09328	-OO-2 PERMIT NUMBER
Description of property: (legal description of th	re property and atreet address or 911 actives
(See warranty Beed	) =
( Address - 911)	
11685 5 US HOW 441	
General description of improvement: New	Home
Owner Name & Address Ste When Cure	The land on 5 92 CII proform
1 c. 1ce (121 m) 23724	france at I - Physical transfer of the Physical Control of the Physical Contro
Name & Address of Fee Simple Owner (if other	than owner):
Contractor Name Stednen Compto	rd Const. Tuc. Phone Number (386) 755-5068
Address 11736 5 US Havy 44	I have city the 32024
Surety Holders Name	Phone Number
Aridrans	
Amount of Bond	
	Principles 20 test former
Address	
Persons within the State of Florida designated rved as provided by section 718.13 (1)(a) 7: Flori	by the Owner upon whom notices or other documents may be ide Statutes:
Name	Phone Number
Address	
in addition to himself/herself the owner design	nates
to receive	a copy of the Lienor's Notice as provided in Section 713 49 (4)
(a) 7. Phone Number of the designer	
. Expiration date of the Notice of Commenceme	ent (the expiration date is 1 (one) year from the date of recording
(Unless a different date is specified)	
TICE AS PER CHAPTER 713, Florida Statutes;	
owner must sign the notice of commencement	t and no one else may be permitted to sign in his/ner stead.
	Swom to (or affirmed) and subscribed before
81010	Transcension
Bignature of Owner	NOTARY STAMP/SEAL
	1 1 1
NY COMM	ISSION # DD 184157 IS DOWN OUR COMMENT
XIII (市) II EXPIRES	s: February 26, 2008 totary Puting Disservations is Signature of Notary
el of Mary political	of the state of th



### Cal-Tech Testing, Inc. • Engineering

Geotechnical

P.O. Box 1625 • Lake City, FL 32056-1625 6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32256 Tel. (904) 755-3633 • Fax (904) 752-5456 Tel. (904) 262-4046 • Fax (904) 262-4047

 Environmental ABORATORIES

25661

"Excellence in Engineering & Geoscience"

JOB NO:_	07-19			
DATE TES	STED: 3	28	07	

	REPO	REPORT OF IN-PLACE DENSITY TEST						
ASTM	METHOD:D-2922 (Nuclear)	D-2	2937 (Driv	e Cylinder	•)	Other	r	
PROJI	ECT: Mason City Spec House							
	T: Stephen Countried Const							
	RAL CONTRACTOR: SAC							
	JSE:					19 10		
	NICIAN: C. Duy							
MODI	FIED (ASTM D-1557):	STANI	DARD (AS	STM D-69	8):			
TEST NO.	TEST LOCATION		TESTDEPTHELEVLIFT#	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST. PERCENT	% MAX.DENS.
1	N. F. Carner 20'5. 20' W.		12"	2	112.8	107.9	4.6	99
	S.E. Corner 20'N. 20' W.		12	2	109.2	104.0	5.0	95
	N.W. Comes 20'S. 20'E.		12"	2	111.7	105.7	5.7	97
	5. w. Comer 30 E. 20 N.		12"	2	110.9	104.9	5,7	960
	ARKS:							
	TOR NO. SOIL DESCRIPTION			PROCTO			OPT.MOIS	
2	Rulen to Job # 07-170			109.4		//	0.5	

NOTE: SOIL USES: 1. Building Pad Fill 2. Trench Backfill 3. Base Course 4. Subbase-Stabilized Subgrade 5. Embankment 6. Subgrade - Natural Soil 7. Other



## OCCUPANCY

### **COLUMBIA COUNTY, FLORIDA**

epartment of Building and Zoning inspection

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

Parcel Number 22-5S-17-09328-008

Fire: 57.78

Building permit No. 000025661

Permit Holder STEPHEN CRAWFORD

Use Classification SFD,UTILITY

Waste: 150.75

Owner of Building STEPHEN CRAWFORD

Total: 208.53

Location: 11085 S US HIGHWAY 441, LAKE CITY, FL

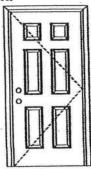
Date: 01/14/2008

**Building Inspector** 

POST IN A CONSPICUOUS PLACE (Business Places Only)

### **WOOD-EDGE STEEL DOORS**

### APPROVED ARRANGEMENT:



TH.

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the FTS/WH website [www.stscenb.com), the Masonite website (www.masonite.com) or the Masonite website (www.masonite.com).

Note:

Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door

Design Pressure

+66.0/-66.0 limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

### MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0011-02.

### MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0001-02.

### APPROVED DOOR STYLES:

























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Johnson EntrySystems

June 17, 2002 Der confineing program of product improvement makes specifications, design and product detail subject to change without notice.





### **WOOD-EDGE STEEL DOORS**

### **CERTIFIED TEST REPORTS:**

NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA2D1, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum bumper threshold.

### PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH MIAMI-DADE BCCO PA201, PA202 & PA203

> COMPANY NAME CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer Kurt Balthazor, P.E. – License Number 56533 Warnock Hersey

Test Data Review Certificate #3026A47A and CUP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etsenko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

2

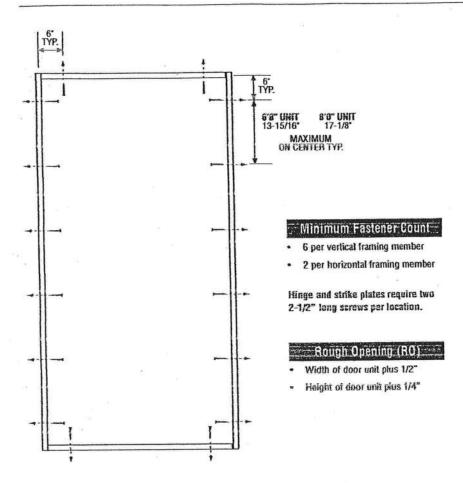
Johnson EntrySystems

June 17, 2002 Der continaing program of product improvement makes specifications, design and product





### SINGLE DOOR



Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3025447A-001, 002, 003; #3025447B-001, 002, 003; #3025447C-001, 002, 003 provides additional information - available from the TISVM1 website (www.ellsemko.com), the Masonite website (www.masonite.com) or the Masonite technical certier.

### **Latching Hardware:**

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 3146, 3166, 3241\*, 3246, 3261\* or 3266 Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bofts be installed on latch side of active door panel - (1) at top and (1) at bottom.
- \*Based on required Design Pressure see COP sheet for details.

- 1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
- 2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
- 3. Wood bucks by others, must be anchored properly to transfer loads to the structure.



.1

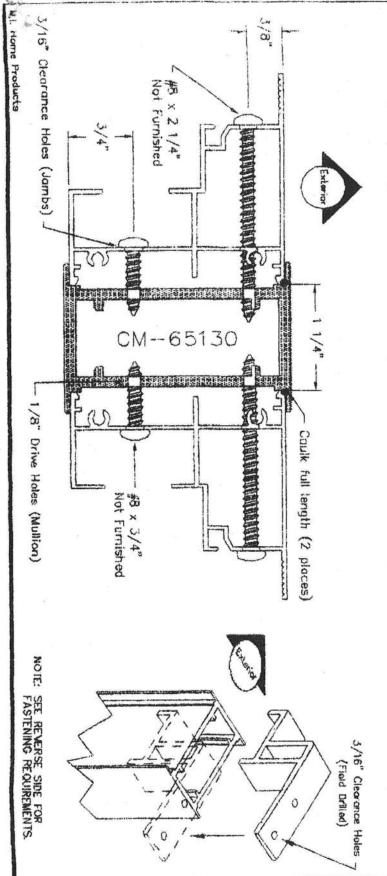


### STRUCTURAL VERTICAL MULLION -NAIL FIN type 650 SH

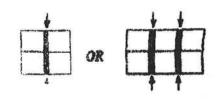
MULLION PART # CM-65130

NOTE: If adding a transom, roundhead, etc., saw 1/4" off the top of the mult before joining units and refer to harizontal mult instruction sheet Step 1.

- Strip fins from windows where mults are to be used
- Stap 2. Apply a bead of caulk in the mult to seal against window jambs.
- Step 3. Place windows and multians together as shown below.
- Step 4. The single hung jamb has an exterior track (screen area — bottom half of window) and an interior track (operating sash — upper half of window). In these areas only, drill 1/8" pilot holes through the jambs into the multion, then re-drill the jambs only with 3/16" clearance holes. Holes should be spaced evenly on approximately 12" to 16" centers. only with 3/16" clearance holes.
- Step 5. Attach windows to multion using  $\#8 \times 2 1/4$ " sheet metal screws (not included) through drilled holes in bottom half below. Attach using  $\#8 \times 3/4$ " screws in top half as shown. To avoid jamb distortion, do not overtighten screws.
- Stop 6. The gap between window jambs at the top must be flashed and caulked and preferably be covered by construction / overhang to prevent water leakage.
- Before lifting into rough opening, drill two holes in each clip and insert into each end of mull as shown below with tab pointing to inside. Fasten each clip tab to construction with two  $$10 \times 11/2"$  screws for structural integrity.



### MI HOME PRODUCTS VERTICAL MULLION DESIGN LOAD CAPACITIES FOR ALUMINUM TUBE MULLION (DIE # CM-65130)



.....

53.125	48.000	37.000	36.000	26 500	24.000	19.125	WDW. WIDTH >
450	450	450	450	483	506	576	36.000
402	402	402	402	439	461	528	37.375
186	186	196	198	233	248	291	48.000
150	151	162	164	194	208	245	50.625
77	79	89	91	111	119	142	60.000
64	66	75	77	94	102	122	63.000
39	41	48	49	61	66	60	72 000
39	41	48	48	60	65	79	72.250

CHART APPLIES CNLY TO EXTRUDED ALUMINUM MULLION (DIE NO: CM-65130)

READ WINDOW WIOTH AND HEIGHT IN INCHES.

DESIGN PRESSURE VALUES ON THIS CHART ARE IN PSF.

WINDOW WIDTH DIMENSIONS REPRESENT THE WIDTH OF EACH WINDOW IN A SINGLE OPENING, NOT THE OVERALL WID

DESIGN PRESSURE VALUES SHOWN ON THE ABOVE CHART IS NOT LIMITED TO ONLY TWO WINDOWS IN A SINGLE OPENII CAPACITIES APPLY TO ANY NUMBER OF WINDOWS IN A SINGLE OPENING. PROVIDED WINDOW WIDTH AND MULLION SPA ARE NOT EXCEEDED.

Dimex = L / 175

INSTALLATION OF MULLION: MULLION MUST BE ANCHORED TO SUBSTRATE. CONNECTION MUST BE DESIGNED TO ADEQUATELY TRANSFER LOAD TO THE STRUCTURE. SEE MANUFACTURER'S MULLION INSTALLATION DETAILS.

PREPARED BY: PRODUCT TECHNOLOGY CORPORATION 250 INTERNATIONAL PARKWAY HEATHROW, FLORIDA 32746 PHONE 407 805-0388 / FAX 407 805-0366

# STRUCTURAL HORIZONTAL MULLION - NAIL FIN type

|650 SH



NOTE: If you are stacking a single unit over another single unit, such as a roundhead over a single hung, NO HORIZONTAL MULL IS REQUIRED

WPORTANT | Before you begin, 1/4" must be sawed off the top end of the vertical mullion before the lower windows

Note: • Overall length of mull is to be the same as the overall frame to frame dimension of the mulled units below, including the are twinned. Follow all steps on vertical mull instruction sheet first. vertical mult. EXAMPLE: For twin 3'-0", mult length will be 35 1/8" window + 1 1/4" mult + 35 1/8" window = 71 1/2".

Step 1. Strip fins from head of windows to be mounted below transorn.

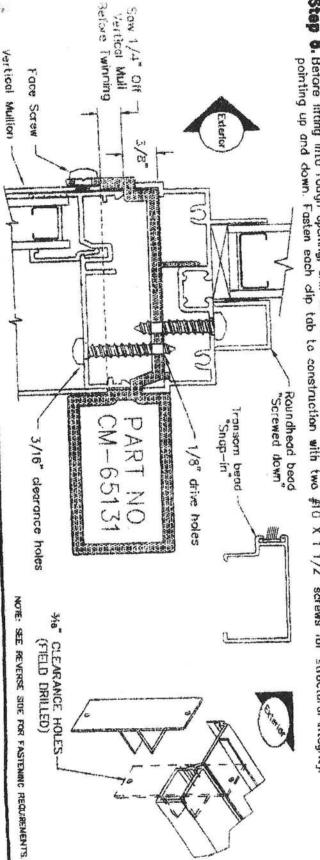
Step 2 Place windows and mulls tegether as shown below.

Step 3. Remove battom glazing bead from transom / coundhead. With a 1/8" drill bit, pre-drill down through the sill and into the mullion. Re-drill sill hole only to 3/16". Fasten with #8 X 1" sheet metal screws (not included).

Step 4. Again with the 1/8" drill, drill up through the heads of the lower units into the mult. Re-drill heads of lower unit with 3/16" drill and fasten with #8 x 1" sheet metal screws. PLACE SCREWS 3" FROM EACH END AND DO NOT EXCEED 18" SPACING OF REMAINING SCREWS.

Stap 5. The vertical mult "telescopes" 3/8" into the underside of the horizontal mult to lock it in place structurally. To fasten, drift a 1/8" hole, as shown below, through the horizontal mult and vertical mult. Re-drill the horizontal mult only with 3/16" bit and fasten with a "face" screw. For best appearance, countersink and use a flathead screw.

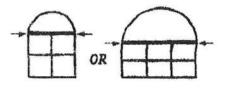
Step 5. Before lifting into rough opening, drill two holes in each clip and insert into each end of mult as shown below with tabs pointing up and down. Fasten each clip tab to construction with two #10 X 1 1/2" screws for structural integrity.



Home products

# MI HOME PRODUCTS

# HORIZONTAL MULLION DESIGN LOAD CAPACITIES FOR EXTRUDED ALUMINUM TUBE MULLION (CM-65131) WHEN USED FOR MULLING TRANSOM



MULL SPAN > WDW. HGT V	48 000	53.000	72.000	74.000	96.000	106.250	108.000
26.000	338	260	115	107	53	37	35
36.000	309	235	103	96	48	33	31
38.375	305	231	101	94	47	33	31
48.000	298	222	94	87	43	30	28
50. <b>625</b>	298	221	93	86	43	30	28
60.000	298	221	90	83	40	28	26
63.000	298	221	89	52	40	28	26
72.000	298	221	88	81	39	27	25
72.250	296	221	88	81	39	27	25

### NOTES:

- · CHART APPLIES ONLY TO EXTRUDED ALUMINUM MULLION (CM-65131) USED HORIZONTALLY.
- \* CHART ASSUMES TRANSOM HEIGHT TO BE ONE HALF MULLION SPAN.
- " WINDOW HEIGHTS SHOWN ON "Y" AXIS OF CHART DESIGNATE HEIGHT OF WINDOWS BELOW MULLION AND DO NOT INCLUDE TRANSOM HEIGHT.
- \* READ MULLION SPAN AND WINDOW HEIGHT IN INCHES.
- \* DESIGN PRESSURE VALUES ON THIS CHART ARE IN PSF.
- \* DESIGN LOAD CAPACITIES SHOWN ON THIS CHART DO NOT CONSIDER ANY STRENGTH WHICH MAY BE OBTAINED FROM FRAME MEMBERS OF ADJACENT WINDOWS.
- " Dmax = L/176
- " INSTALLATION OF MULLION: MULLION MUST BE ANCHORED TO SUBSTRATE. CONNECTION MUST BE DESIGNED TO ADEQUATELY TRANSFER LOAD TO THE STRUCTURE. SEE MANUFACTURER'S MULLION INSTALLATION DETAILS.

PREPARED BY:

PRODUCT TECHNOLOGY CORPORATION
250 INTERNATIONAL PARKWAY
SUITE 280
HEATHROW, FLORIDA 32748
PHONE 407 805-0366 / FAX 407 806-0366

delle.

# SELF STACKING SILL NAIL FIN type

SILL PART No. CM-45026

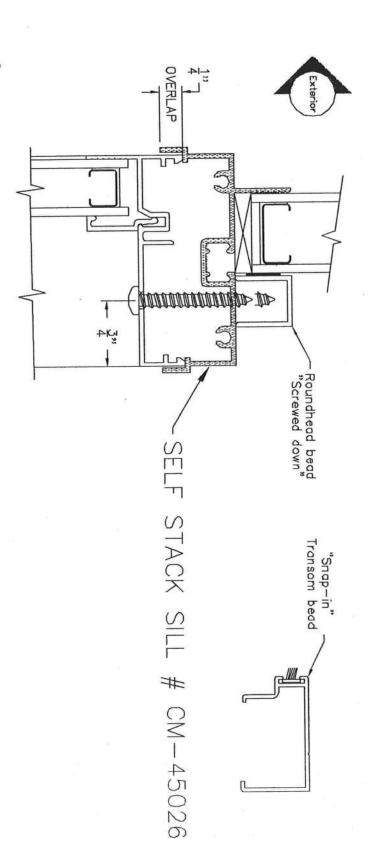
650 SH / PW

- Step 1. Strip fin from head of window to be mounted below the transom / roundhead.
- Step 2. Place windows together as shown below.

Note Place attachment screws 3/4" in from the inside face of the window so the screw points come out under

PLACE SCREWS 3" FROM EACH END AND DO NOT EXCEED 18" SPACING OF REMAINING SCREWS the glazing bead and are concealed.

**Step 3.** With the 1/8" drill, drill up through the head of the lower unit into the sill of the transom. Re-drill head of lower unit with 3/16" drill and fasten with  $8\times11/4$  or 11/2" sheet metal screws. Do not over tighten screws as distortion could occur.



M.I. Home Products

### MI HOME PRODUCTS

# HORIZONTAL MULLION DESIGN LOAD CAPACITIES

FOR EXTRUDED ALUMINUM STACKING MULLION (CM-45026)
WHEN USED FOR MULLING TRANSOM OVER A SINGLE WINDOW



MULL SPAN > WDW, HGT, V	19.125	24.000	26.500	36.000	37.000	48.000	53.125
26.000	608	308	229	95	88	44	33
36.000	608	308	229	91	84	40	30
38.375	608	308	229	91	84	39	30
48.000	608	308	229	91	84	38	29
50.625	608	308	229	91	84	38	28
60.000	608	308	229	91	84	38	28
63.000	608	308	229	91	84	38	28
72.000	608	308	229	91	84	38	28
72.250	608	308	229	91	84	38	28

### NOTES:

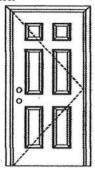
- \* CHART APPLIES ONLY TO EXTRUDED ALUMINUM MULLION (CM-45026) USED HORIZONTALLY.
- \* CHART ASSUMES TRANSOM HEIGHT TO BE ONE HALF MULLION SPAN.
- \* WINDOW HEIGHTS SHOWN ON "Y" AXIS OF CHART DESIGNATE HEIGHT OF WINDOWS BELOW MULLION AND DO NOT INCLUDE TRAMSOM HEIGHT.
- \* READ MULLION SPAN AND WINDOW HEIGHT IN INCHES.
- \* DESIGN PRESSURE VALUES ON THIS CHART ARE IN PSF.
- \* DESIGN LOAD CAPACITIES SHOWN ON THIS CHART DO NOT CONSIDER ANY STRENGTH WHICH MAY BE OBTAINED FROM FRAME MEMBERS OF ADJACENT WINDOWS.
- \* Dmax = L / 175
- \* INSTALLATION OF MULLION: MULLION MUST BE ANCHORED TO SUBSTRATE. CONNECTION MUST BE DESIGNED TO ADEQUATELY TRANSFER LOAD TO THE STRUCTURE. SEE MANUFACTURER'S MULLION INSTALLATION DETAILS.

PREPARED BY:

PRODUCT TECHNOLOGY CORPORATION
250 INTERNATIONAL PARKWAY
SUITE 250
HEATHROW, FLORIDA 32746
PHONE 407 805-0365 / FAX 407 805-0366

14/11

### APPROVED ARRANGEMENT:



H.

Test Data Review Certificate #3026447/ and CCP/Test Report Validation Matrix #3026447A-001 provides additional information -available from the ITS/WI website (www.etisemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:

Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door Maximum unit size = 3'0" x 6'8"

Design Pressure +66.0/-66.0

imited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national state or local building codes specify the edition required.

### **MINIMUM ASSEMBLY DETAIL:**

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02.

### **MINIMUM INSTALLATION DETAIL:**

Compliance requires that minimum installation details have been followed - see MID-WL-MA0001-02.

### **APPROVED DOOR STYLES:**



























Eyebrow 5-panel with scroll

Johnson EntrySystems

June 17, 2002 Der confineire program el product improvement mahas specifications, design and product detal exhibit in chance without police.



### **CERTIFIED TEST REPORTS:**

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

### PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH MIAMI-DADE BCCO PA201, PA202 & PA203

> COMPANY NAME CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Bullding Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer Kurt Balthazor, P.E. – License Number 56533 Warnock Harsoy

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

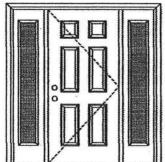
2

Johnson EntrySystems

June 17, 2002
Our continuing program of product isoprovement makes specifications, design and product detail solvect to change without notice.



### APPROVED ARRANGEMENT:





Test Data Review Certificate #30264474 and CUPTest Report Vestilation Matrix #3026447A-001 provides additional information - available from the FTS/WH websits (www.etsentho.com), the Masonite website (www.masonite.com) or the Masonite inschnick center.

### Note:

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Single Door with 2 Sidelites
Maximum unit size = 9'0" x 6'8"

### **Design Pressure**

+57.0/-57.0 with maximum sidelite panel width of 1'2" +45.0/-45.0 with maximum sidelite panel width of 3'0" limited water unless special threshold design is used.

### Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED on opaque panels, but is required on glazed panels.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

### **MINIMUM ASSEMBLY DETAIL:**

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0004-02 or MAD-WL-MA0007-02 and MAD-WL-MA0041-02.

### **MINIMUM INSTALLATION DETAIL:**

Compliance requires that minimum installation details have been followed - see MID-WL-MA0004-02.

### **APPROVED DOOR STYLES:**



Arch Top 3-pag





















Eyebrow 5-panel with

Johnson EntrySystems

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### APPROVED SIDELITE STYLES:

















### **CERTIFIED TEST REPORTS:**

NCTL 210-1905-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL-210-1880-7, 9, 10, 12;

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Sidelite panels glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

### PRODUCT COMPLIANCE LABELING:

**TESTED IN ACCORDANCE WITH** MIAMI-DADE BCCO PA201, PA202 & PA203

> COMPANY NAME CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer Kurt Balthazor, P.E. - License Number 56533



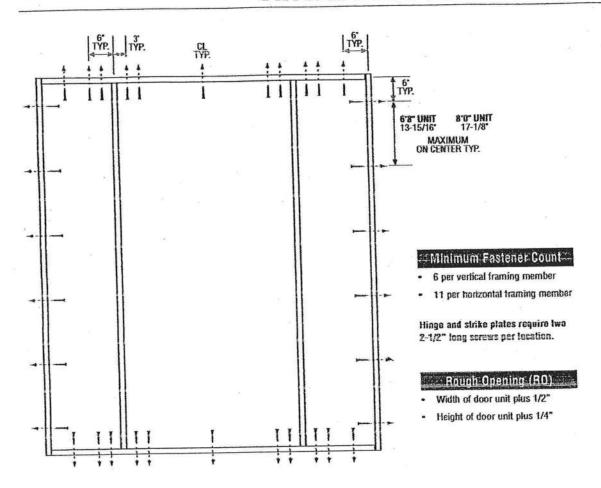
#3026447A-001 provides additional information - available from the ITS/WH

2





# SINGLE DOOR WITH 2 SIDELITES



Wernock Hersey

Test Data Review Certificats #3026447A, #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information – available from the ITS/WHI website (www.et/semko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

### **Latching Hardware:**

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 3244\*, 3249, 3264\* er 3269
   Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel (1) at top and (1) at bottom.
- \*Based on required Design Pressure see COP sheet for details.

### Notes:

- Anchor calculations have been carried out with the towest (least) fastener rating from the different fasteners being considered for use. Fasteners
  analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
- The wood screw single shear design values come from Table 11.3A of ANSVAF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
- 3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

PREVIOUS Premium Quality trans

Masonite International Corporation

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have 17, 2002

Der continuing program of product improvement makes specifications, lesion and product datait subject to change without notice.

### AAMA/NWWDA 101/LS.2-97 TEST REPORT SUMMARY

### Rendered to:

### MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft <sup>2</sup>
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb

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STATE OF

Progress 18

# Architectural Testing

# AAMA/NWWDA 101/LS.2-97 TEST REPORT

### Rendered to

MI HOME PRODUCTS, INC. 650 West Market Street P.O. Box 370 Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01

Test Date:

03/07/02

Report Date: Expiration Date:

03/26/02 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

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

# Test Specimen Description

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and the secured with PVC snap-in glazing beads.

130 Derry Court York, PA 17402-9405 phone: 717.764.7700 fax: 717.764.4129

www.archtest.com

allan M. Reman

STATE OF

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# Test Specimen Description: (Continued)

### Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Pixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active such stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

### Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail 89, 1825.
		The state of the s

Allen M. Rever

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

### Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft <sup>2</sup>	0.3 cfm/ft <sup>2</sup> max

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

	Water Resistance (ASTM E: (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (Al (Measurements reported were (Loads were held for 33 second	taken on the meeting ra	uil)
	@ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"*	0.26" max. 0.26" max.

<sup>\*</sup>Exceeds L/175 for deflection, but passes all other test requirements.

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 33.9 psf (positive)	0.02"	
	@ 5:2.1 psf (negative)	0.02"	

0.18" max

0.18" max.

# Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		÷
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTA	A F 588-97)	
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests Al through A5	No entry	No entry
	Test A.7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Peri	<u>formance</u>		
4.3	Water Resistance (ASTM E 547	2-00)	
	(with and without screen)	11.20.00 P	
	WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTI	M E 330-97)	
	(Measurements reported were tal (Loads were held for 33 seconds	ken on the meeting rail	
	@ 45.0 psf (positive)	0.47"*	0.2611
	@ 47.2 psf (negative)	0.46"*	0.26" max. 0.26" max.
*Exceeds L/1	75 for deflection but nasses all ask		

<sup>\*</sup>Exceeds L/175 for deflection, but passes all other test requirements.

Uniform Load Structural (ASTM E 330-97)
(Measurements reported were taken on the meeting rail)
(Loads were held for 10 seconds)

@ 67.5 psf (positive)

@ 70.8 psf (negative)

0.05"

0.18 max. HA 19354

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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. 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.

For ARCHITECTURAL TESTING, INC:

1.4 Technician

MAH:nlb 01-41134.01 Allen N. Reeves, P.E.

Director - Engineering Services

I APRIL 2002



# PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS	Johnson Entre Sus	Premboe Collection	
A. SWINGING	1	Swinging Exerin Doors	FL 4242-BI
B. SLIDING		3 8	
C. SECTIONAL/ROLL UP			1
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Capital	Capital GSU Series	
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			1
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	Hardi - Board	Hardi - Board Siding	FL 889-RI
B. SOFFITS	1		1
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	EIK	Raised Profile 30year Wass.	FL 586-R2
B. NON-STRUCT METAL			17. 300 A
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	Simpson	LSTAIB Wood Cometer	FL 474-R1
B. WOOD ANCHORS	SIMPSON	LTT131 Wood Anchors	FL 1901- BZ
C. TRUSS PLATES	Simoson	H 16.5 Truss Anchor	FL 5305
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			
Α.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE DATE

	Sales and the sa				
	Notice of Treatmen	t 12505			
Address: BAYA A	st Control & Chemical Co				
Site Location: Subdivis Lot # /-/7 Block Address //085 5	# Permit #	5661			
Product used	Active Ingredient	% Concentration			
Premise	Imidacloprid	0.1%			
Termidor	Fipronil	0.12%			
Bora-Care Di	sodium Octaborate Tetrah	ydrate 23.0%			
Type treatment:	□ Soil □ Wood				
Area Treated Descling	Square feet Linear fee				
As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.					
If this notice is for the final exterior treatment, initial this line					
5/31/07 Date		D Parker (F250) Technician's Name			
Remarks:					
Applicator - White	Permit File - Canary	Permit Holder - Pink			

# ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844 Florida Engineering Certificate of Authorization Number: 567 Florida Certificate of Product Approval # FL1999 Page 1 of 1 Document ID:1T4Q8228Z0309155017

Truss Fabricator: Anderson Truss Company

Job Identification: 7-049--Stephen Crawford Construc SPEC HOUSE -- , \*\*

Truss Count: 60

Model Code: Florida Building Code 2004 and 2006 Supplement

Truss Criteria: ANSI/TPI-2002 (STD) /FBC

Engineering Software: Alpine Software, Versions 7.24, 7.25.

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 - 32.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-02 -Closed

### Notes:

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

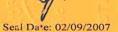
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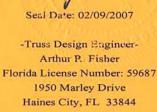
Rof Description Drawing# Date

#_	Ref Description	Drawing#	Date
1	70647H7 A	07040061	02/09/07
2	70648H7 AA	07040073	02/09/07
3	70649H9 A	07040074	02/09/07
4	70650H11 A	07040075	02/09/07
5	70651H13 A	07040076	02/09/07
6	70652H15 A	07040077	02/09/07
7	70653H17 A	07040078	02/09/07
8	70654H19 A	07040079	02/09/07
9	70655H9 AA	07040080	02/09/07
10	70656H11 AA	07040081	02/09/07
11	70657H13 AA	07040082	02/09/07
12	70658H15 AA	07040083	02/09/07
13	70659H17 AA	07040084	02/09/07
14	70660H19 AA	07040085	02/09/07
15	70661 A1	07040086	02/09/07
16	70662 A2	07040087	02/09/07
17	70663 A3	07040088	02/09/07
18	70664 A4	07040089	02/09/07
19	70665H21 A	07040090	02/09/07
20	70666H23 A	07040091	02/09/07
21	70667B3 G	07040092	02/09/07
22	70668B1	07040093	02/09/07
23	70669 B2	07040094	02/09/07
24	70670 C1	07040095	02/09/07
25	70671H5 C	07040097	02/09/07
26	70672D3	07040098	02/09/07
27	70673 D1	07040099	02/09/07
28	70674D2	07040070	02/09/07
29	70675F1	07040104	02/09/07
30	70676EJ5	07040072	02/09/07
31	70677 CJ3	07040062	02/09/07
32	70678HJ5	07040096	02/09/07
33	70679HJ7Z	07040105	02/09/07
34	70680HJ7	07040064	02/09/07
35	70681CJ1	07040063	02/09/07
36	70682HJ2	07040065	02/09/07

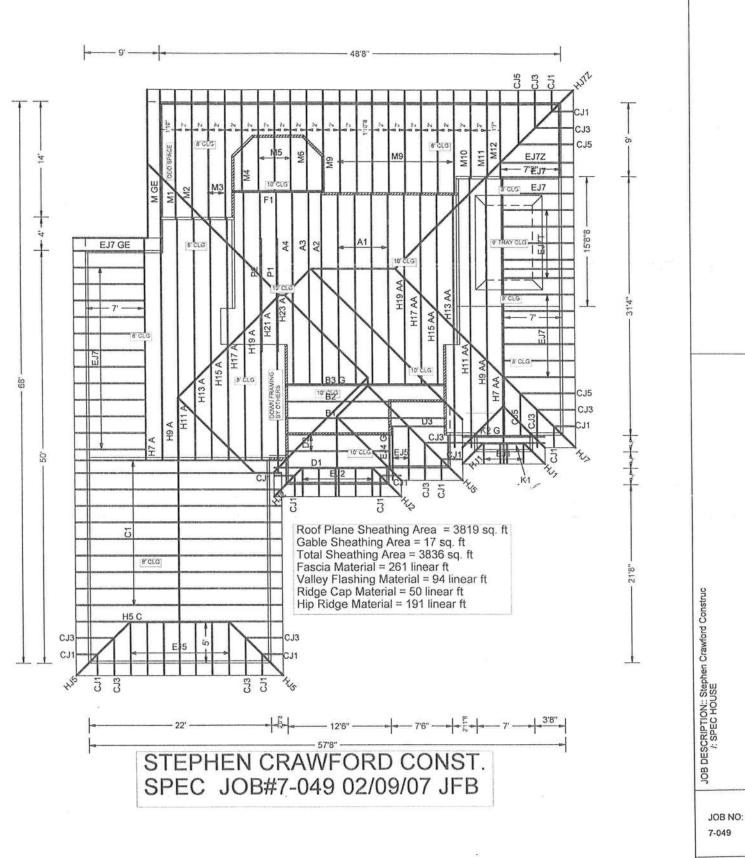
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7-049

PAGE NO: 1 OF 1

Top chord 2x6 SP Bot chord 2x6 SP Webs 2x4 SP #2 :T1 2x4 SP #2 Dense: #2 #3 :W10 2x4 SP #2 Dense:

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

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure

Max JT VERT DEFL: LL: 0.13" DL: 0.19" recommended camber

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

Truss must be installed as shown with top chord up

TC - From 60 PLF at -1.50 BC - From 4 PLF at -1.50 BC - From 20 PLF at 0.00 TC - 190 LB Conc. Load at 12.06, 14.06, 16.06, 18.06, 2 BC 82 LB Conc. Load at 12.06, 14.06, 16.06, 18.06, 2 (LUMBER ER DUR.FAC.=1.25 / 60 PLF at -1.50 4 PLF at -1.50 20 PLF at 0.00  $\frac{-1.50}{0.00}$ 20.06, 20.06, 20.06, to TE DUR.FAC.=1.25)
60 PLF at 25.38
4 PLF at 0.00
20 PLF at 25.38
4.06, 6.06, 8
22.06, 24.06
22.06, 24.06
8 8.06, 10.06 8.06, 10.06

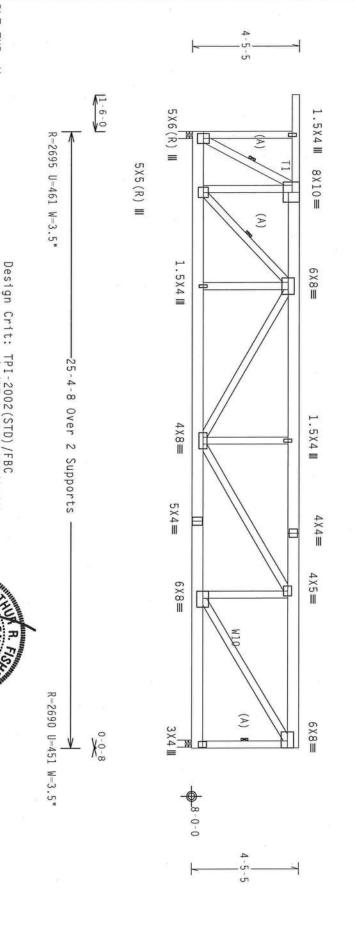
SPECIAL LOADS

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.





PLT TYP.

Wave

\*\*IMPORTANT \*\* THENESH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. BE RESPONSIBLE FOR ANY DEPLATION FROM THIS DESIGN; ANY FALLURE TO BUILD THE TRU TPI: OF FARELCHING, HANDLING, SHIPPING, 18STALLING & BNACING OF TRUSSES. DRAWING INDICATES DESIGN CONFORMS WITH /18/16GA UNLESS OTHERWISE LOCATED IGN SPEC. BY AFRPA) AND TPI. ITH BCG
ADE 40/50 (W. K/H.SS) GALV. STEEL. APPLY
THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ON CONTRACTOR, ITW BCG, INC. SHALL NOT BUILD THE TRUSS IN CONFORMANCE WITH TRUSSES. SEAL ON THIS



24.0"

JREF -FROM SEQN-

1T408228Z03

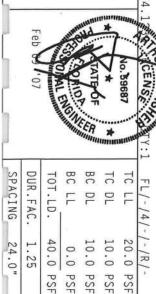
JF B

Haines City, FL 33844

Haines City, FL 37844

BUILDING DESIGNER PE

ALPINE



0.0 PSF

HC-ENG TCE/AF

DRW HCUSR8228 07040061

PSF

20120

20.0 PSF

Scale = .25"/Ft. R8228-

DATE REF

02/09/07 70647

TC BC - F TC - F Bot chord 2x6 Webs 2x4 TC -27.27 BC -BC -29.27 BC -27.27 Haines City, FL 33844 PLT SPECIAL LOADS From 20 190 LB / .06, 29.27 From From From TYP. From From (LUMBER 589 A DUR.FAC. 63 PLF a 63 PLF 7 20 PLF 7 26 PLF 26 PLF 26 PLF 26 PLF 20 PLF 187 LB 88 LB ALPINE Wave [B  $3X8(A1) \equiv$ Sps Conc. Conc. Conc. Load at 19.06, 20.17, 21.27, 23.27, 25.27 Conc. R-3186 U-487 #2 :T1 2x4 SP #2 Dense: #2 #3 at 0.00 at 7.00 at 17.63 at 18.83 at 27.84 at 29.04 Load Load at 19.06, Load 1.5X4₩ at \*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH TPI: OR FARREACTING, HANDLING, SHEPPING, INSTALLING & BRACLING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFRA) AND TPI: ITH BCG CONNECTOR PLATES ARE MADE OF 20/18/1604 (M.H/SS/K). ASTH A653 GRADE 40/60 (M.K/M.SS) GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSSA AND. UNLESS OF OHER DESIGN STEEL ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. PLATES TO EACH FACE OF TRUSSA AND UNLESS OF THE OWNER OF THIS DESIGN. POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOHED BY (1) SHALL BE PER ANNEX AS OF IPII-2002 SEC.3. A SCAL ON THIS DRAWING INDICATES ACCEPTANCE OF PRO BUILDING DESIGNER PER 7-0-0 7.00 9.06, to 7.06 to to to to 0 63 PL 20 P 26 P 20 F 11.06, 20.17, 3 X 4 ≡ 7 X 8 == 13.06, 21.27, Design Crit: .=1.25) 7.00 31.33 17.63 18.83 27.84 29.04 31.33 15.06, 23.27, 13.06, 4×4= 25.27 15.06 TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) 3×5= 3 X 4 ≡ 31-4-0 Over 2 Supports SOLELY FOR THE TRUSS COMPONENT
OF THE RESPONSIBILITY OF THE 4 X 4≡ 5X6(R) Ⅲ 6X8≡ Nailing Schedule: | Top Chord: 1 Row @ Bot Chord: 1 Row @ In lieu of brace TC @ 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Right end vertical not exposed to wind pressure Wind Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,.$ in each row to avoid splitting. 8X10(R) W 1-2-6 COMPLETE 10 reactions based on MWFRS pressures structural panels or rigid ceiling use purlins to 24" OC, BC @ 24" OC. HUR R. CENS. (12d\_Common\_(0.148"x3.25",\_min.)\_nails)
@12.00" o.c.
@12.00" o.c. TRUSSES .59687 3 X 4 ≡ 9-0-3 5×5= \* REQUIRED BC LL BC DL TC DL DUR.FAC. TC LL TOT.LD. FL/-/4/-8X10= 8X8₩ 1-2-6 10 7 X 8 ≡ /-/R/-40.0 20.0 10.0 PSF 1.25 10.0 PSF 0.0 R-3489 U-563 W-3.5" 2-3-8 4X6(R) ■ PSF PSF PSF 2X4 III FROM DATE REF SEQN-HC-ENG DRW HCUSR8228 07040073 Scale = .25"/Ft. R8228- 70648 JF8 TCE/AF 20261 02/09/07

SPACING

24.0"

JREF -

1T408228Z03

Top chord 2x4 SP # Bot chord 2x4 SP # Webs 2x4 SP # (7-049--Stephen Crawford Construc SPEC HOUSE #2 Dense #2 Dense #3 \*\* H9 A) 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures

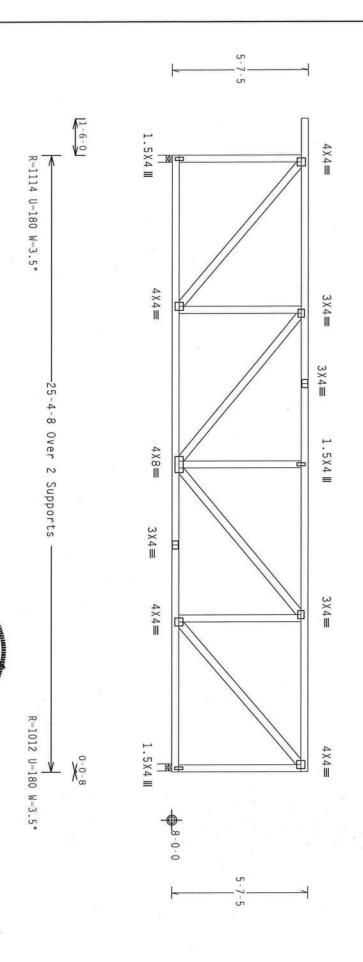
Roof overhang supports 2.00 psf soffit load

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

Truss must be installed as shown with top chord up

End verticals not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.



ITW Building Components Group, Inc. Haines City, FL 33844 BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO TPT: OR FABRICATING, MANDLING, SHIPPING, INSTALLING & BRACING OF DESIGN CONFORDS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGNOCION PLATES ARE MADE OF 20/18/166A (N.H/SS/K) ASTM A653 GRACOMNECTOR PLATES ARE MADE OF 20/18/166A (N.H/SS/K) ASTM ACCOMNECTOR PLATES ARE MADE OF 20/18/166A (N.H/SS/K) \*\*IMPORTANT \*\* URBISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRU \*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BCSI. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPT (FRUSS PLATE HISTITUTE, Z.18
BORTH LEE STREET, SUITE 312, ALEXANDRIA, VA., Z2314) AND UTCA (1400) TRUSS COUNCIL OF AMERICA, 6300
ENTERPRESE LANE, MADISON, NJ. 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS DRAWING INDICATES ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A PROPERLY ATTACHED RIGID CEILING UNLESS OTHERWISE LOCATED ON ITH BCG
ANDE 40/50 (H. K/M.SS) GALY. STEEL, APPLY
THIS DESIGN, POSITION PER DRAWHNGS 160A-Z.
OF TPI1-2002 SEC.3.
A SEAL ON THIS
DNSIBILITY SORE THE TRUSS COMPONENT
ANY BUILDING IS THE RESPONSIBILITY OF THE BUILD THE TRUSS IN COMPORMANCE WITH .5968

ALPINE

BUILDING DESIGNER PER

TYP.

Wave

Design Crit:

TPI-2002 (STD) /FBC

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

\*

10.0 PSF

DATE REF

02/09/07

10.0 PSF 0.0 PSF

DRW HCUSR8228 07040074

20.0 PSF

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

Scale = .25"/Ft.

R8228- 70649

BC LL BC DL TC DL TC LL

40.0 PSF

SEQN-

20124

JF8

HC-ENG TCE/AF

SPACING DUR.FAC. TOT.LD.

24.0" 1.25

JREF -FROM

1T408228Z03

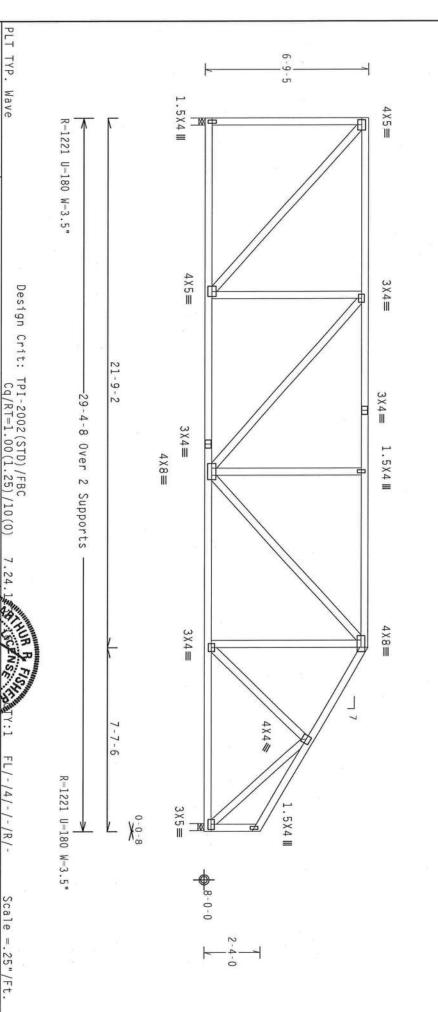
Wind reactions based on MWFRS pressures

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

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.

End verticals not exposed to wind pressure.

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



\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST. (BUILDING COMPORENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 315, ALEXANDRIA, VA. 22314) AND NICA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MAJISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERNISE LANE, TRUSSON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERNISE INDICATED TOP GROOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

\*\*IMPORTANT\*\*\*UURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVALTOR FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH TP: OR FARBICATING, MANDILOR, SHIPPING, HISTALLING A BRACING OF TRUSSES, DESIGN COMPORNS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFRAY) AND IPI. THE GEOMETRIS HIS ARE MADE OF ZO/IB/16GA, WLH/SS/K) ASTR AGS DRADE 40/500 (M.K./M.SS) GRADE AND ADVENTED ADVENTED AND ADVENTED AND ADVENTED AND ADVENTED AND ADVENTED AND ADVENTED ADVENTED ADVENTED AND ADVENTED ADVENTED ADVENTED ADVENTED ADVENTED ADVE DRAWING INDICATES

SIGN SPEC, BY AFADA) AND PPI.

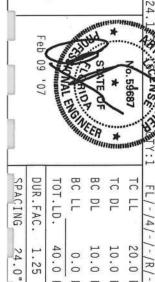
THIS DESIGN, POSITION PER DEAD'HOS 160A-Z.
OF PPI1-2002 SEC.3.

A SEAL ON THIS DESIGNED FOR THE TRUSS CORPORENT
ANY BUILDING IS THE RESPONSIBILITY OF THE

ITW Building Components Group, Inc. Haines City, FL 33844 'ficate' vizatic''

BUILDING DESIGNER PER

ALPINE



40.0

PSF

SEQN-

20128

FROM

JF8

24.0" 1.25

JREF -

1T408228Z03

10.0 PSF 10.0 PSF 20.0

DRW HCUSR8228 07040075

PSF

REF

Scale =.25"/Ft. R8228-

DATE

02/09/07 70650

0.0 PSF

HC-ENG TCE/AF

Wind reactions based on MWFRS pressures

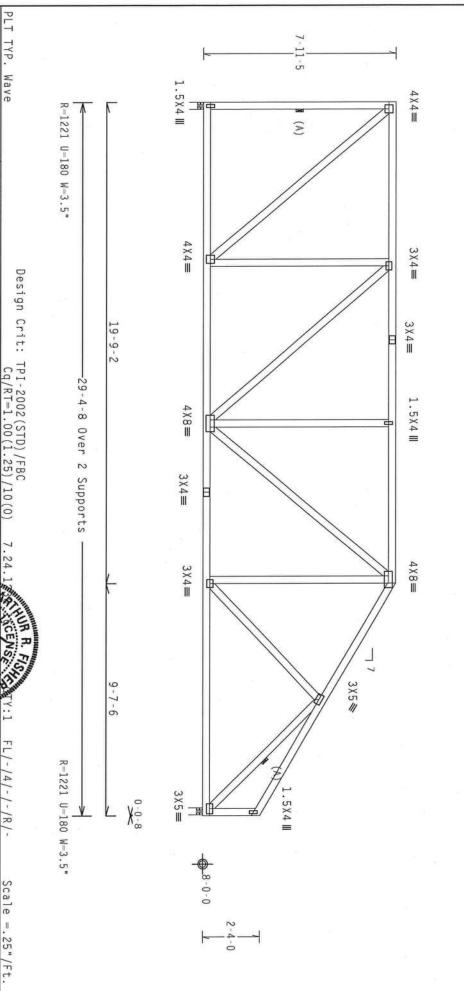
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL=5.0 psf, wind BC DL=5.0 psf. B, wind TC

End verticals not exposed to wind pressure.

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



Haines City, FL 33844

"The conficate "Ann prizatio" ALPINE OTHERWISE INDICATED TOP CHORD SHALL A PROPERLY ATTACHED RIGID CEILING. DRAWING INDICATES PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX

BUILDING DESIGNER PER

\*\*IMPORTANT\*\*\*QURHISH A CORY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG. INC. SHALL NOT BE RESPONSIBLE FOR ARY DETAILOR FOR HIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THE TO. OR FARE CARLING, AMOUNTAINS, SHIPPING, INSTALLING A BRACING OF TRUSSES.

OR STAR CARLING, AMOUNTAINS, SHIPPING, INSTALLING A BRACING OF TRUSSES. AND TOT.

DESIGN COMPORTS WITH APPLICABLE PROVISIONS OF MOS (MARIDMAL DESIGN SPEC, BY AFAPA) AND TPI.

CONNECTOR PLATES ARE MADE OF TOT/BJ/DEA, QL. H. MYSSY, ASTH ACTS DEADE 40/00 (M. K/M.SS) CALV. STEEL APPLY SIGN SPEC, BY AFANA) AND IPI. ITH BOG MANDE 40/50 (M. K/M.SS) GALY. STEEL APPLY ITHIS DESIGN. POSITION PER BRANTHGS 160A-Z. OF IPII-2002 SEC.3. A SEAL ON THIS OF BRILLITY SOLELY FOR THE TRUSS COMPORINT ANY BUILDING IS THE RESPONSIBILITY OF THE

09 '07 \* BC DL TC DL TC LL SPACING DUR.FAC. TOT.LD. FL/-/4/-/-/R/-40.0 10.0 PSF 10.0 PSF 20.0 PSF 24.0" 1.25 0.0 PSF PSF

> DATE REF

02/09/07

R8228- 70651

DRW HCUSR8228 07040076

HC-ENG TCE/AF

20132

FROM SEQN-

JREF -

1T408228Z03

Top chord 2x4 SP # Bot chord 2x4 SP # Webs 2x4 SP # Wind reactions based on MWFRS pressures #2 Dense #2 Dense #3

(B)  $1\times4$  #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

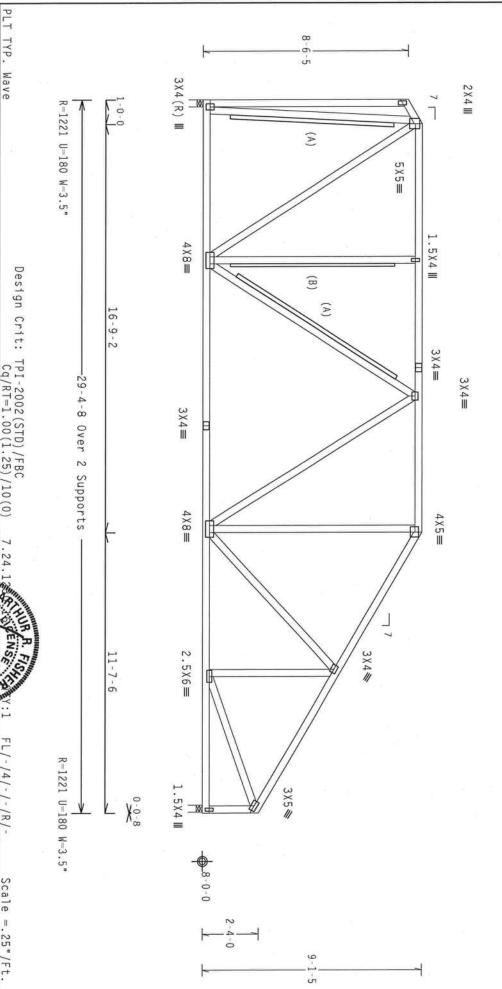
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

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.

End verticals not exposed to wind pressure

(A) 2x4 #3 or better "T" brace. 80% length of web member. with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" 0C. Attach

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



Haines City, FL 33844

BUILDING DESIGNER PE DRAWING INDICATES ALPINE

\*\*IMPORTANT\*\*\*URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW GCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILTD THE TRUSS IN COMFORMANCE WITH TPI; OR FARRICATHG. LANDLING, SHEPPLME, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (MATICHAL DESIGN SPEC, BY AFRAY) AND IPI. I'H GC CONNECTOR THATES ARE MADE OF ZO/IBJ/16GA (M.H/SS/K) ASIM AGS GRADE 40/60 (M. K/M.SS) GALV. STELL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNITESS OTHERWISE LOCATED ON THIS DESIGN, POSITION FOR DOMAINGS 16GA-Z

ITH PROVISIONS OF BDS (MATIONAL DESIGN SPEC, BY ARRA) AND FPI.

20/18/1964 (4-17/52/F) ASTA ARSS (BADE 04/50 (Hz. E/H.SS) GADE V.

20/18/1964 (4-17/52/F) ASTA ARSS (BADE 04/50 (Hz. E/H.SS) GAD. SEC. A.

20/18/1964 (4-17/52/F) ASTA ARSS (BADE 11/5) ESIGN, POSITION PER DRAWINGS 160A-Z.

20/18/1964 (1) SHALL BE PER ANNEX AS OF FPII-2002 SEC. 3.

20/18/1964 (1) SHALL BE PER ANNEX AS OF FPII-2002 SEC. 3.

20/18/1964 (1) SHALL BE PER ANNEX AS OF FPII-2002 SEC. 3.

20/18/1964 (1) SHALL BE PER ANNEX AS OF FPII-2002 SEC. 3.

IS THE RESPONSIBILITY OF THE

SPACING DUR.FAC. TOT.LD.

24.0"

JREF -

1T408228Z03

1.25 40.0

FROM SEQN- \*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.

REFER TO BEST (BUILDING COMPORENT SAFETY INFORMATION), PUBLISHED BUY FIT (FRUSS PLATE INSTITUTE, 218

MORTH LEE STREET, SUITE 312, ALEXAMBRÍA, VA., 22314) AND NTCA (1000) TRUSS COUNCIL OF AMERICA. 6300

ENTERPRISE LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED REGION CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE

0.59687

TC LL

20.0 PSF

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

Scale = .25"/Ft.

R8228- 70652

BC DL TC DL

10.0 PSF 10.0 PSF

DRW HCUSR8228 07040077

DATE REF

02/09/07

0.0 PSF PSF

HC-ENG TCE/AF

20137

PLT TYP.

Wave

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

Wind reactions based on MWFRS pressures

End verticals not exposed to wind pressure

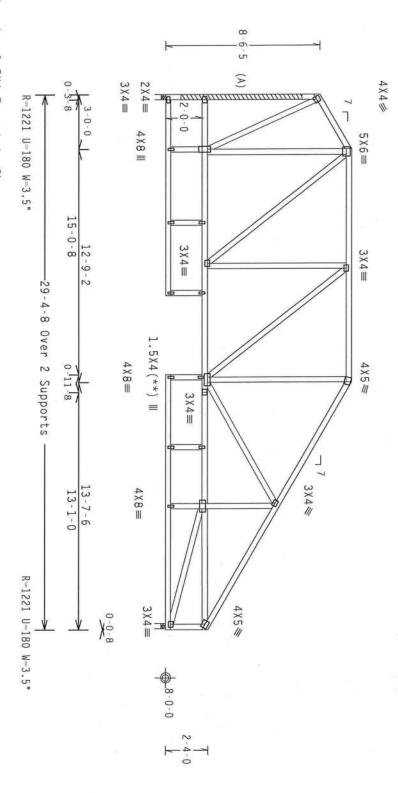
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,.$ 

See DWG. BCFILLER1106 for Bottom chord filler detail. Laterally brace Bottom chord above filler at 24" oc or as designed) including a lateral brace on Bottom chord directly above both ends of filler (if no rigid diaphragm exists at that point).

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

01 = 5.0110 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 TCDL=5.0 psf, wind BCDL=5.0 psf.

member. (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 00



10

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP.

Wave

A PROPERLY ATTACHED RIGID CEILING. Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

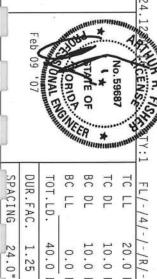
\*\*IMPORTANT\*\*\*UURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS BESIGNS, ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH TPI: OR FARBICATHE, HANDLING, SHEPPING, INSTALLINE A BRACING OF TRUSSES, DESIGN COMPORMS WITH APPLICABLE PROVISIONS OF NOS (MAITOMAL DESIGN SPEC, BY ATENA) AND TPI. ITH BCG CONNECTOR PLATES ARE MADE OR ZO/19/16GA (M.M/SS/K) ASIM AGS GRADE MO/60 (M. K/M.SS) BALL STEEL APPLY PLATES TO LACH FACE OF TRUSS AND. UNLESS OF HERWISL LOCATED ON THIS BESIGN, POSITION FOR DEAMINGS (BOA.2) DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING

AND USE OF THIS COMPONENT SEC. 2. SIGN SPEC, BY ATRAM, AND TP1. ITH HEGG BARAIE 40/50 (M. K/M.SS) GALY. STEEL, APPLY WHIS DESIGN, POSITION PER DRAWINGS 160A-Z. SOF TP11-2002 SEC.3. A SEAL ON THIS SOF TP11-2002 SEC.3. THE RESPONSIBILITY OF THE REPORTIBILITY OF THE

ITW Building Components Group, Inc. Haines City, FL 33844 iffcate nizatic

BUILDING DESIGNER PER ANS

ALPINE



PSF PSF

DRW HCUSR8228 07040078

PSF

REF

R8228-

70653

Scale =.1875"/Ft.

DATE

02/09/07

PSF

HC-ENG

TCE/AF

20144

PSF

JREF -FROM SEQN-

1T408228Z03

JFB

Wind reactions based on MWFRS pressures

(B)  $1\times4$  #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

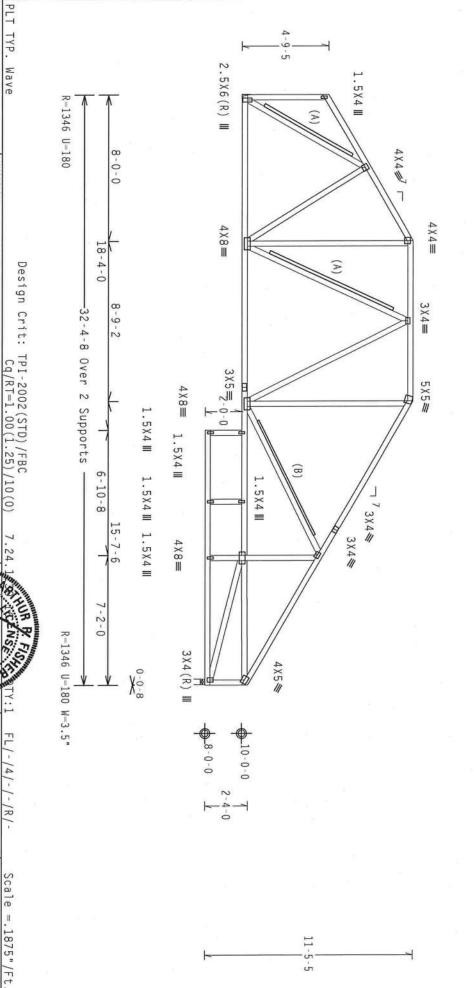
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL-5.0 psf, wind BC DL-5.0 psf. B, wind TC

End verticals not exposed to wind pressure

(A) 2x4~#3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" 0C.

See DWG. BCFILLER1106 for Bottom chord filler detail. Laterally brace Bottom chord above filler at 24" oc or as designed) including a lateral brace on Bottom chord directly above both ends of filler (if no rigid diaphragm exists at that point).



ENTERPRISE LANE, MADISON, MI 537 OTHERNISE INDICATED TOP CHORD SHAL A PROPERLY ATTACHED RIGID CELLING. 

\*\*IMPORTANT\*\*\*URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPONMANCE WITH TPI: OR FARRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC, BY AFAPA) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/18/15GA (M.H/SS/K) ASTM A653 GRADE 40/50 (M.K/M.SS) GAV. STELL APPLY

CONNECTOR PLATES ARE MADE OF 20/18/15GA (M.H/SS/K) ASTM A653 GRADE 40/50 (M.K/M.SS) PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWIT ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE

BUILDING DESIGNER PER DRAWING INDICATES OWISIONS OF MOS (MATIDMAL DESIGN SPEC, BY AFAPA) AND TPL. ITH NEW LYIFGOA (M.H./SS) ANTM AGES GRADE 40/60 (M.K./M.SS) GAAV. STREEL, APPLY UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. BY (1) SHALL BE FER ANNEX AS OF TPI1-2002 SEC.3. A SEAL ON THIS TOPICS COMPONENT ITS SOLELY FOR THE TRUSS COMPONENT IS NOT SELECTION.

Haines City, FL 33844

FL Comificate of Australia Prization III

ALPINE

TATE O 0.59687 \* \* BC LL BC DL TC DL TC LL SPACING DUR.FAC. TOT.LD.

40.0

0.0

PSF PSF

HC-ENG

TCE/AF 20150

24.0" 1.25

JREF -FROM SEQN-

1T408228Z03

JF B

10.0 PSF 10.0 PSF 20.0 PSF

DRW HCUSR8228 07040079

DATE REF

02/09/07

R8228 - 70654

Wind reactions based on MWFRS pressures.

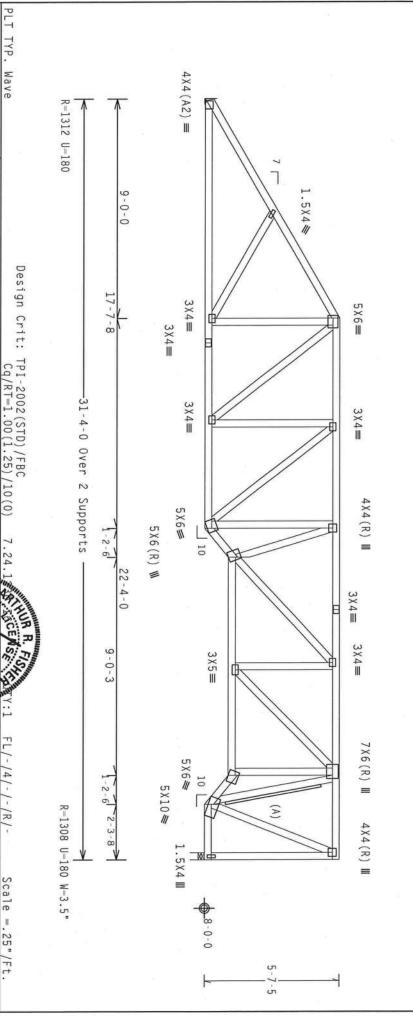
(A) 1x4~#3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" 0C.

Deflection meets L/240 live and L/180 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.

Right end vertical not exposed to wind pressure

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



Haines City, FL 33844 ALPINE BUILDING DESIGNER PER ANY INSPECTION OF PLATES FOLLOHED BY (1) SHALL BE PER ANNEXAS OF TPIL-2C DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL BUGINEERING RESPONSIBILITY DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING.

PLT TYP. Wave

\*\*\*IMPORTANT\*\*\*URBISH 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 TPI; OR FARELOWING, MAINDING, INSTALLING & BRACHING OF FRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (NATIONAL DESIGN SPEC, BY ALRAY) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF ZO/IBJ/IGGA, (M.HVSSY/M. ASTH AGS) GRANDE 40/50 (M. K/M.SS) GALV. SIELL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWHINGS IGGA-Z THE BUSICE, BY AFRAA) AND TP1. ITH BUSICE 40/60 (W. K/H.5S) GALV. STEEL. APPLY THIS DESIGN. POSITION PER DRAWINGS 160A-Z

SOLELY FOR THE TRUSS COMPONENT SEAL ON THIS TATE OF 1.59687 \* BC DL TC DL SPACING DUR.FAC. TOT.LD. TC LL FL/-/4/-/-/R/-40.0 24.0" 1.25 10.0 PSF 10.0 PSF 20.0 PSF 0.0 PSF PSF

> DATE REF

02/09/07

Scale =.25"/Ft. R8228- 70655

HC-ENG TCE/AF

20157

DRW HCUSR8228 07040080

FROM SEQN-

JREF -

1T408228Z03

Wind reactions based on MWFRS pressures

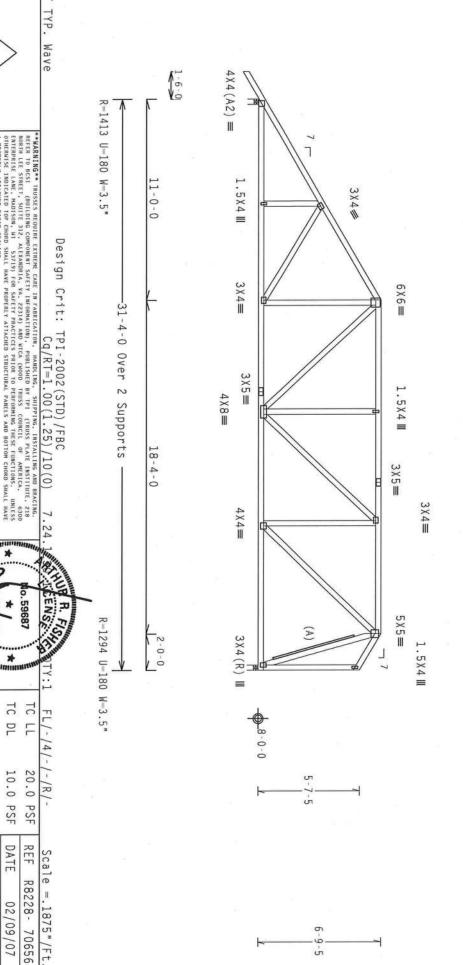
(A)  $1x4\ \#3$  or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" 0C.

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

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

Right end vertical not exposed to wind pressure

In lieu of structural panels or rigid ceiling use purlins brace TC @ 24" 0C, BC @ 24" 0C.



Haines City, FL 33844

BUILDING DESIGNER PER

ALPINE

OTHERWISE INDICATED TOP CHORD SHALL A PROPERLY ATTACHED RIGID CEILING

BC DL

10.0 PSF

0.0 PSF PSF

HC-ENG TCE/AF

20164

DRW HCUSR8228 07040081

40.0

SPACING DUR.FAC. TOT.LD.

24.0" 1.25

JREF -FROM SEQN-

1T408228Z03

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH IP1: OR FARRETATHO, HANDLING, SHIPPHIG, HISTALLING A BRACTING OF TRUSSES, DESIGN COMPORES WITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY ATREA) AND TP1. IT BCG CONNECTOR PLATES ARE MADE OF 20/18/166A (M.H/SS/R) ASTM A653 GRADE 40/60 (M. K/M.53) AOLY. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERSISE LOCATED ON THIS DESIGN, POSITION PER DRAWHINS 150A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE FER ANNEX AS OF TP11-2002 SEC. 3. A SEAL ON THIS DESIGN SHOWN. THE SULTABLILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

B, wind TC

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

Wind reactions based on MWFRS pressures

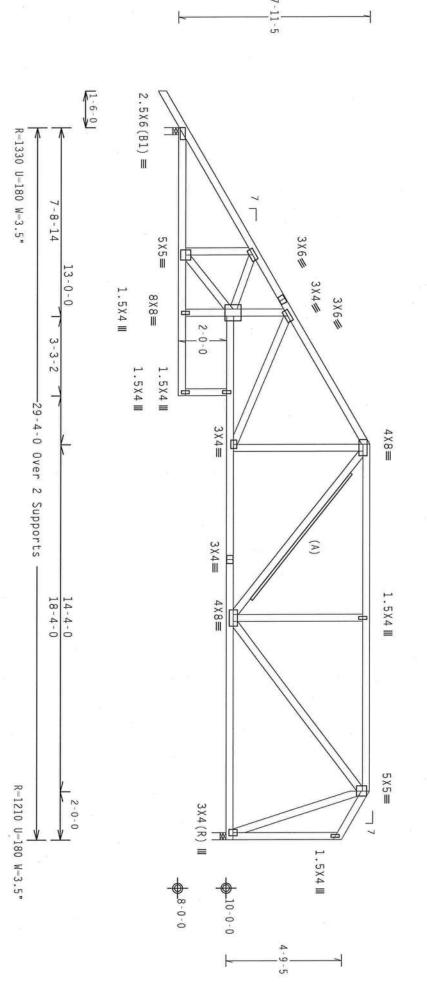
(A)  $1\times4$  #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

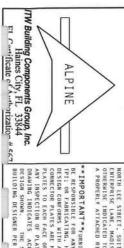
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Right end vertical not exposed to wind pressure

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL=5.0 psf, wind BC DL=5.0 psf.

See DWG. BCFILLER1106 for Bottom chord filler detail. Laterally brace Bottom chord above filler at 24" oc or as designed) including a lateral brace on Bottom chord directly above both ends of filler (if no rigid diaphragm exists at that point).





PLT TYP.

Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BOS! (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 HORTH LEE SINEE, SUITE 312, ALEXANDRA, VA, 22314) AND NICA (4000 TRUSS COUNCIL OF AMERICA, 6300 ENTERORISE LANE, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORNING THESE FUNCTIONS. UNLESS OTHERHISE HOLDING TORS OF THE SAFETY PRACTICES PRIOR TO PEFFORNING THESE FUNCTIONS. UNLESS OTHERHISE HOLDING TOR GROUP SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE

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

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

REF

R8228- 70657

Scale =.25"/Ft.

DATE

02/09/07

DRW HCUSR8228 07040082

HC-ENG

TCE/AF 20172

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, MAY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH THIS DESIGN, CONTRACTING, HOLDING, SHPPING, INSTALLING A BRACTING OF TRUSSES, DESIGN CONTROLAND, HOLDING, SHPPING, INSTALLING A BRACTING OF TRUSSES, DESIGN CONTROLAND, AND TPI. ITW BCG CONHECTOR PLATES ARE MADE OF 20/18/16GA (W.H/SS/K) ASH MASS GRAAD 40/60 (W.K/M.SS) GALV. STEEL, AMPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OF OHNIEST OF EACH FACE OF TRUSS AND, UNLESS OF MATHISE COLATIO ON THIS DESIGN, POSITION PER DRAWNING 150A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3. OF TPIT-2002 SEC.3. A SEA ON THIS

SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE

. 5968. BC DL TC DL TC LL SPACING DUR.FAC. TOT.LD. 40.0 10.0 PSF 10.0 PSF 20.0 PSF 24.0" 1.25 0.0

PSF

JREF -FROM SEQN-

1T408228Z03

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

Wind reactions based on MWFRS pressures

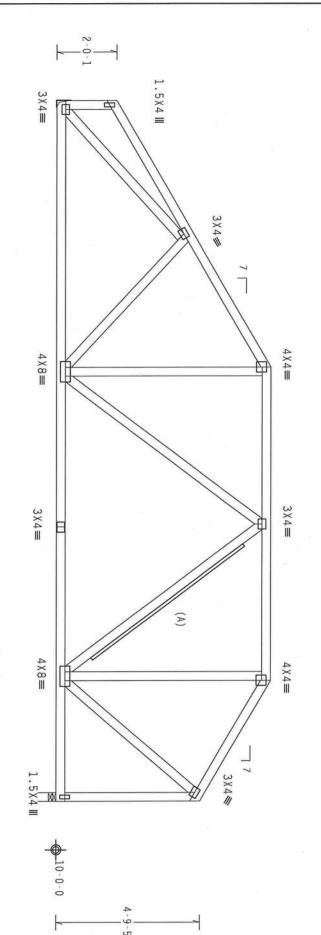
(A) lx4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

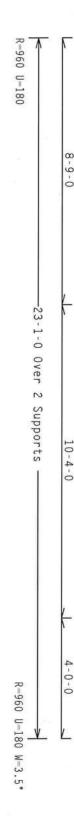
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,.$ 

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

End verticals not exposed to wind pressure

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





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

TYP.

Wave

A PROPERLY ATTACHED RIGID CEILING

\*\*IMPORTANT\*\* TREATS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW RCG. HACL NOT RE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; AMY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THIS DESIGN, AMY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THIS DESIGN, COMPORED TO ANDLING. SHIPPING. HESTALLING A BRACTHM OF TRUSSES.

DESIGN COMPORMS WITH APPLICABLE PROVISIONS OF MOS (MATHOMAL DESIGN ESPEC, BY AFRA) AND TPI.

CONNECTOR PLATES ARE MODE OF EXILED FOR ANY SOURCE AND THE COMPORT OF THE PROVISIONS OF MOS (MATHOMAL DESIGN ESPEC, BY AFRA) AND TPI. DRAWING INDICATES ANY INSPECTION OF PLATES FOLLOWED BY THIS DESIGN. POSITION PER DRAWINGS 160A-OF TPI1-2002 SEC.3. A SEAL ON THI SEAL ON THIS

ITW Building Components Group, Inc. Haines City, FL 33844 Ft Confificate of Authorization # 547

BUILDING DESIGNER PER

ALPINE



40.0

0.0 PSF PSF

> HC-ENG TCE/AF DRW HCUSR8228 07040083

20177

10.0 PSF 10.0 PSF 20.0 PSF

> DATE REF

02/09/07

Scale = .3125"/Ft. R8228- 70658

24.0" 1.25

JREF -

1T408228Z03

FROM SEQN-

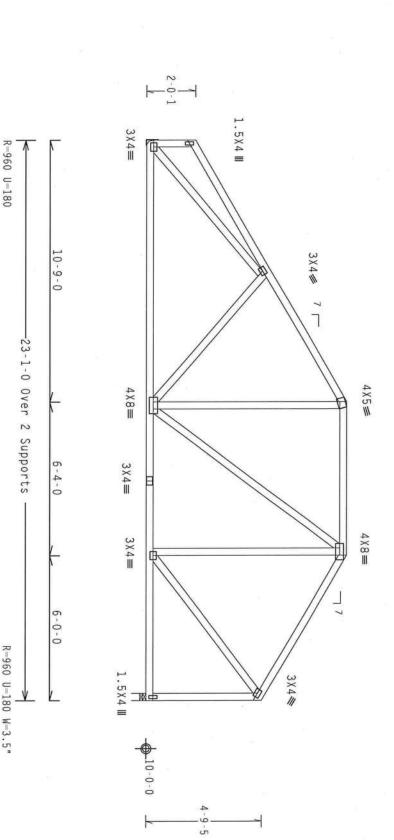
Wind reactions based on MWFRS pressures

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

110 mph wind, 15.14 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL=5.0 psf, wind BC DL=5.0 psf. bldg, not B, wind TC

End verticals not exposed to wind pressure

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



\*\*HARNING\*\* TRUSSES REQUIRE EXPREME CARE IN FABRICATION, MANDLING, SHIPPING, INSTALLING AND BRACING. RETER TO DEST (BUILDING COMPONENT SAFETY MOMBALEND, DUBLISHED BY TPI (TRUSS PLATE HESTITUTE, 218 MORTH LEE STREET, SUITE 317, ALEXANDRIA, VA, 22314) AND MICA (MODD TRUSS COUNCIL OF AMERICA, 6300 CHIEGERS, MAINE AND SON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE HOLDCARED FOR DEBOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

PLT

TYP.

Wave

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG. INC. SHALL NOT BE RESPONSIBLE FOR AWY DEPLATION FROM THIS DESIGN. ANY FALLUEE TO BUILD THE TRUSS IN COMPORNANCE HITH THIS OR FARRICATHO, HANDLING, SHIPPING, INSTALLING A BRACLING OF TRUSSES.

ITM BCG.

DESIGN COMPORES WITH APPLICABLE PROVISIONS OF RIDS (MATIONAL DESIGN SPEC, BY AFEA) AND THIS DESIGN. DESIGN COMPORES WITH APPLICABLE PROVISIONS OF RIDS (MATIONAL DESIGN ADDE 40,760 M, KJH.SS) GALV. STEEL. APPLY DIATES TO EACH FACE OF TRUSS AND, UNLESS OPHERMISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-Z.

PLATES TO EACH FACE OF TRUSS AND, UNLESS OPHERMISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

PLATES TO EACH FACE OF TRUSS AND, UNLESS OPHERMISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. SION SPEC, BY AFRPA) AND TPI. ITH BCG RADE 40/60 (W. K/H.SS) GALV. STEEL. APPLY THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

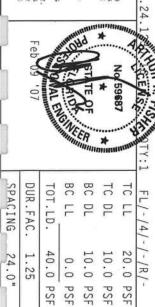
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESP HE SUITABILITY AND USE OF THIS COMPONENT FOR OR SEC.3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE

Haines City, FL 33844

"Tificate " " nizatic "

BUILDING DESIGNER PER

ALPINE



PSF

20183

HC-ENG TCE/AF

DRW HCUSR8228 07040084

FROM SEQN-

JFB

JREF -

1T408228Z03

REF

Scale =.25"/Ft. R8228- 70659

DATE

02/09/07

Wind reactions based on MWFRS pressures

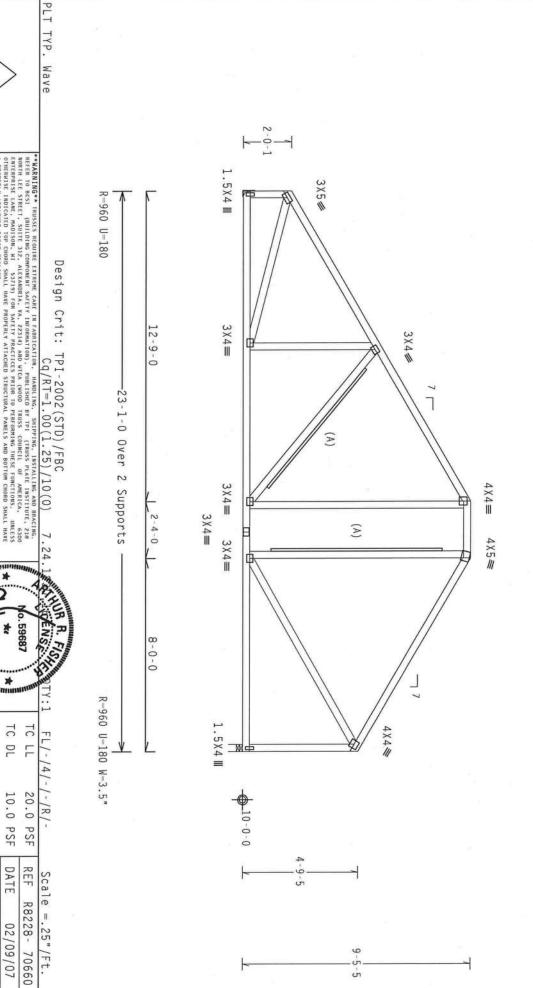
(A)  $1\times4$  #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

110 mph wind, 15.72 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.

End verticals not exposed to wind pressure

In lieu of structural panels or rigid ceiling use purlins brace TC @ 24" 0C, BC @ 24" 0C.



Haines City, FL 33844
Haines City, FL 37 Haines City, FL 33844

DRAWING INDICATES

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3

AND. UNLESS OTHERWISE LOCATED

THE BCG.

11 DESIGN. POSITION PER DEMHING. APPLY
11 DESIGN. POSITION PER DEMHING. 160A-Z.
11 P11-2002 SEC.3. SOLELY FOR THE TRUSS COMPONENT IG IS THE RESPONSIBILITY OF THE

ALPINE

\*\*IMPORTANT\*\*\*URBISH A COPPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FALLURE TO BUILD THE TRUSS IN COMPORMANCE WITH TP:: ON FABRICATING, MANUFLICA, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFIDENCE ARE MORE OF EQ7/18/166A (M.H/SSY), ASTH MGS GRADE 40/50 (M.K/M.SS) AGAV. STEEL APPLY CONNECTOR PLATES ARE MORE OF EQ7/18/166A (M.H/SSY), ASTH MGS GRADE 40/50 (M.K/M.SS) AGAV. STEEL APPLY

A PROPERLY ATTACHED RIGID CEILING.

0.59687

\*

TC DL TC LL

DATE REF

02/09/07

20.0 PSF

R8228- 70660

BC DL

10.0 PSF 10.0 PSF

0.0 PSF PSF

> HC-ENG TCE/AF DRW HCUSR8228 07040085

DUR.FAC.

FROM

TOT.LD.

40.0 1.25

SEQN-

20190

SPACING

24.0"

JREF -

1T408228Z03

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

Wind reactions based on MWFRS pressures

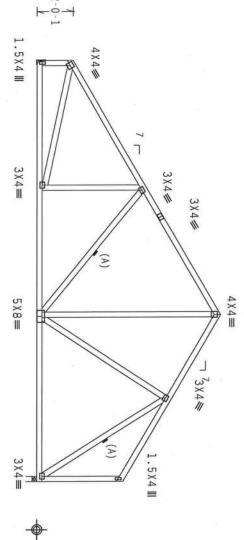
(A) Continuous lateral bracing equally spaced on member.

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

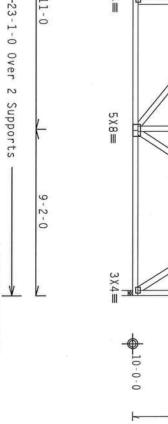
110 mph wind, 16.06 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins brace TC @ 24" 0C, BC @ 24" 0C.



10-1-8



\*\*\*ARANINA\*\* RUNSSE SOUDRE EXTREME CARE IN FARRICATION, HANDLINE, SHIPPING, HSTALLINE AND BRACING, BEEER TO BEST, QUILLDING ORPONDEME SKETY NEORANGION; PURLICHED BY THE CRUSS PLATE INSTITLE, 200 BRITERPESSE LANG, MADISON, AL SIJO) FOR SAFETY PARACITICES PURION TO PERFORMING HISES UNCITORS. NUMERICAL OF AMERICA, ON BUSING HISES WINCETIONS. UNLESS AND BOTTOM CHOOD SWALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHOOD SWALL HAVE PROPERLY ATTACHED RIGID CEILING Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

TYP.

Wave

-960 U=180

R-960 U-180 W-3.5"

13-11-0

\*\*IMPORTANT\*\*\*URNISH 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 TPI; OR FABRICATHG, IMPOLICE, SHIPPHIC, INSTALLING A BRACHE OF TRUSSES.

DESIGN CONFORMS HITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFJEA) AND TPI. ITH BCG CONNECTOR FAILES ARE MADE OF ZO/IBJORA (M. 1958/M.) ASTH AGS GRADE 40/50 (M. X/H.SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERMISE, LOCATED ON THIS DESIGN, POSITION PER REMAINGS 160A-C.
PHATES TO EACH FACE OF TRUSS AND, UNLESS OTHERMISE, LOCATED ON THIS DESIGN, POSITION PER REMAINGS 160A-C.
PHATES TO EACH FACE OF TRUSS AND, UNLESS OTHERMISE, LOCATED ON THIS DESIGN, POSITION PER REMAINGS 160A-C. PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 AWING INDICATES

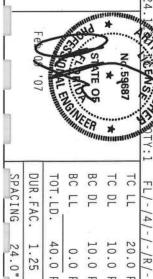
Haines City, FL 33844

"ificate" orizatic

BUILDING DESIGNER PER

ALPINE





	07 '07	AL COMMENT	S. L. C.	STATE OF E	*	Nd. 59687
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JREF- 1T408228Z03	FROM JFB	SEQN- 20195	HC-ENG TCE/AF	DRW HCUSR8228 0704008	DATE 02/09/07	REF R8228- 70661

Scale =.1875"/Ft.

8228 07040086

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

Wind reactions based on MWFRS pressures

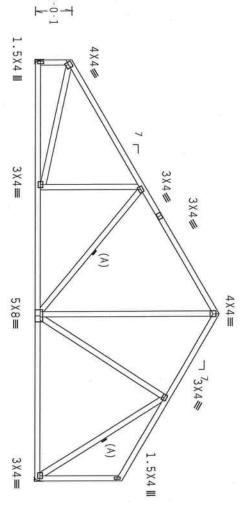
(A) Continuous lateral bracing equally spaced on member.

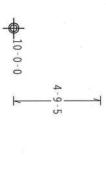
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.06 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.

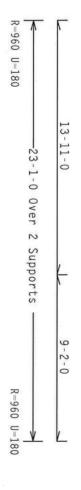
End verticals not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.





10-1-8



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

PLT TYP.

Wave

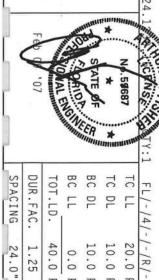
REFER TO BESI (BUILDING COMPONEN
NORTH LEE STREET, SUITE 312, ALEXA
ENTERPRISE LANE, MADISON, NI 537
OTHERNISE INDICATED TOD CHORD SHAL
A PROPERLY ATTACHED RIGID CEILING. 

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR NAY DEVIATION FROM THIS DESIGN, FATURES TO BUILD THE TRUSS IN COMPORMANCE WITH IP: OR FABRICATHING, INBULING, SHEPPING, HISTALLING, A BRACTING OF TRUSSES, DESIGN CONFORMS, HITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SECE, NY FARS) AND TPI. ... ITH BCG CONNECTOR PLATES ARE HADE OF 20/18/16/6A (H.H/SS/K), ASTM A653 GRADE 40/60 (H. K/M.SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERHISE LOCATED ON THIS DESIGN, POSITION OF RAWAINGS 196A-Z, ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE FER ANNER AS OF TPII-2002 SEC. 3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER ANSI/TPI 1 SEC.

Haines City, FL 33844

ALPINE



		all.	GIN.	ER	**************************************	
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	20.0 PSF
JREF- 1T408228Z03	FROM JFB	SEQN- 20202	HC-ENG TCE/AF	DRW HCUSR8228 07040087	DATE 02/09/07	REF R8228 - /0662

Scale =.1875"/Ft.

70662

Wind reactions based on MWFRS pressures.

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

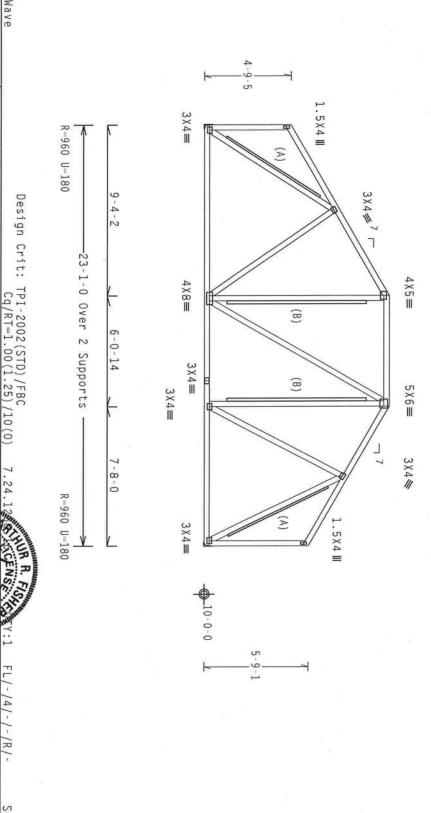
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

110 mph wind, 17.50 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.

End verticals not exposed to wind pressure

(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" 0C.

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



10

A PROPERLY ATTACHED RIGID CEILING.

PLT TYP.

Wave

\*\*IMPORTANT\*\*FURNISH 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 BHILD THE TRUSS IN COMPORNANCE WITH TPI: OR FABRICATING, HANDLING, SHPPING, HISTALLING, BRACHEG OF TRUSSES.

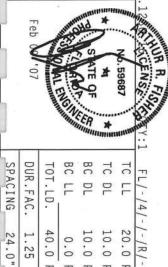
11H BCG CONTORNS HITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFAPA) AND TPI. 11H BCG CONNECTOR PLATES ARE MADE OF 20/18/156A (H.H/SS/K) ASIN A553 GRADE 40/50 (H.K/H.SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND. MULESS OTHERNISE (CALTED ON THIS DESIGN, POSITION PER DRAHINGS 166A-Z. PLATES TO EACH FACE OF TRUSS AND. MULESS OTHERNISE (CALTED ON THIS DESIGN, POSITION PER DRAHINGS 166A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC 3. A SEAL ON THIS DRAHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING
HE SUITABILITY AND USE OF THIS COMPONENT SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE

Haines City, FL 33844

""ificate "" rizatic"

BUILDING DESIGNER PER

ALPINE



		9,	GIN.	ER	*	mmm
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JREF- 1T408228Z03	FROM JFB	SEQN- 20211	HC-ENG TCE/AF	DRW HCUSR8228 07040088	DATE 02/09/07	REF R8228- 70663

Scale =.1875"/Ft.

Wind reactions based on MWFRS pressures

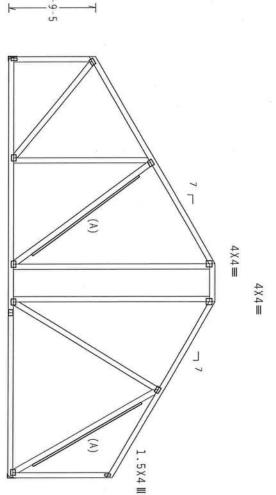
(A) 1x4~#3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

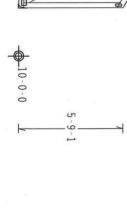
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,.$ 

110 mph wind, 18.08 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.

End verticals not exposed to wind pressure

In lieu of structural panels or rigid ceiling use purlins brace TC @ 24" 0C, BC @ 24" 0C. to







1.5X4 Ⅲ

Note: All Plates Are 3X4 Except As Shown.

PLT TYP.

Wave \*\*\*\*MARNING\*\* RUISES REQUIRE EXTREME CARE IN FAMPICATION, HANDLINE, SHIPPING, INSTALLING AND BRACING, REFER TO REST (BUILDING COMPONENT SHEET) RESEARCH PROPERTY OF THE STREET, SHIFE 312, ALEXANDRIA, YA, 22314) AND NICA, (ADOD TRUES, COURCIL OF AMERICA, 2300 CHIERRISE LANE, AND SOL, HI SAJO) FOR SAFETY PRACTICES FOR PROPIOR TO PERFORMING THESE THORTONS. JUNESS OTHERWISE INDICATED TOP CHORD SMALL HAVE PROPERTY ATTACHED STRUCTURAL PARELY AND BOTTON CHORD SMALL HAVE A PROPERLY ATTACHED RIGID CEILING. Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

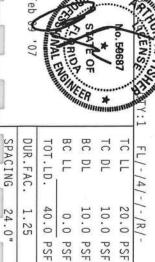
\*\*IMPORTANI\*\*\*UNNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR NAY DEVIATION FROM THIS DESIGN, ANY FALURE FOR BUILD THE THUSS IN COMPORMANCE HITH THIS DESIGN. AND FALURE FOR BUILD THE THUSS IN COMPORMANCE HITH THIS DESIGN. COMPORES HITH APPLICABLE PARTISIONS OF BDS (MAIJONAL DESIGN SPEC, BY AFAPA) AND IT. BEST CONNECTOR PLAIRS ARE MADD BY ZOUTH APPLICABLE PARTISIONS OF BDS (MAIJONAL DESIGN SPEC, BY AFAPA) AND THE APPLICABLE PARTISIONS OF BDS (MAIJONAL DESIGN SPEC, BY AFAPA) AND THE APPLICABLE PARTISIONS OF BDS (MAIJONAL DESIGN SPEC, BY AFAPA) AND THE APPLICABLE PARTISIONS OF BDS (MAIJONAL DESIGN SPEC, BY AFAPA) AND THE APPLICABLE PARTISIONS OF BDS (MAIJONAL DESIGN SPEC, BY AFAPA) AND THE APPLICABLE PARTISIONS OF BDS (MAIJONAL DESIGN SPEC, BY AFAPA) AND THE APPLICABLE PARTISIONS OF BDS (MAIJONAL DESIGN SPEC, BY AFAPA) AND THE APPLY AP PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWI ANY INSPECTION OF PLATES FOILOWED BY (1) SHALL BE UNLESS OTHERWISE LOCATED DESIGN SPEC, BY AFAPA) AND TPI. ITH BCG
3 GRADE 40/60 (W. K/M. SS) GALV. STEEL, APPLY
ON THIS DESIGN. POSITION PER DRAWINGS 160A. Z.

DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI 1 SEC DRAWING INDICATES 2 SEC. 3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT G IS THE RESPONSIBILITY OF THE

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

FL Conficate of Anthorization # 567

ALPINE



PSF

SEQN-

20217

HC-ENG TCE/AF DRW HCUSR8228 07040089

JREF -FROM

1T408228Z03

JFB

REF

Scale =.1875"/Ft. R8228- 70664

DATE

02/09/07

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

Wind reactions based on MWFRS pressures

Laterally brace Bottom chord above filler at 24" oc or as designed) including a lateral brace on Bottom chord directly above both ends of filler (if no rigid diaphragm exists at that point).

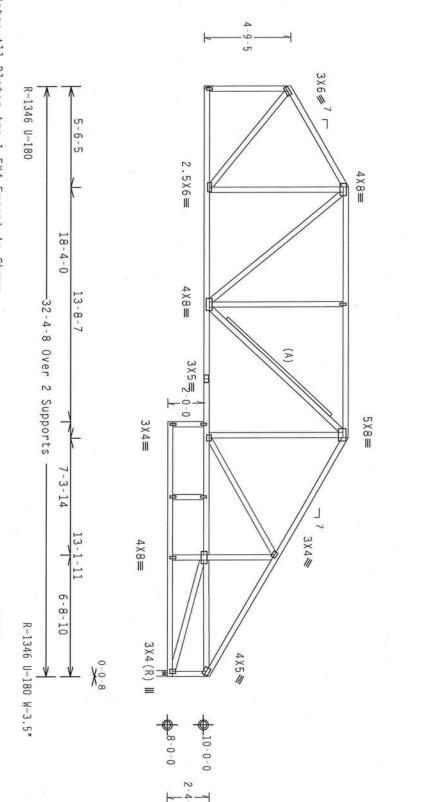
See DWG. BCFILLER1106 for Bottom chord filler

. 24" oc detail. (A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" 0C.

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

End verticals not exposed to wind pressure

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



10-0-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, INANCLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, ZIB MONTH LEE STREET, SUITE 312, ALEXANDRIA, VA, Z2314) AND WITCA (1000) TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 53739) FOR SAFETY PRACTICES PRIOR TO PERFORMING INESE FUNCTIONS. UNLESS OTHERWISE INDICATION FOR SAFETY PRACTICES PRIOR TO PERFORMING INESE FUNCTIONS. UNLESS OTHERWISE INDICATION FOR SAFETY PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL HAVE Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION PROM THIS DESIGN; ANY FALLURE TO BUILD THE TRUSS IN COMPORNANCE WITH IPI: DO FARRICATING, MANDIAGE, SUPPING, INSTALLING A BRACING OF TRUSSES; WATERA AND TPI. CHARLE PROVISIONS OF 1005 (MATIONAL DESIGN SPIC, BY ATERA) AND TPI. ITH BCG CONNECTION PLATES ARE MADE OF 20/18/16/CAQ HIJES/SKY) ASTH AGADE 40/60 (M. KJH.SS) GALV. STEEL, APPLY DLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWLINGS 160A-Z, ANY MESPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER MARKE AS OF FPI1-2002 SEC.3. A SEAL ON THIS DEMANDING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Haines City, FL 33844

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SPACING	DUR.FAC.	TOT.LD.	F 	PL	DL	F
24.0"	1.25	40.0	0.0	10.0	10.0	20.0
0"	5	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JREF	FROM	SEQN-	HC-ENG TCE/AF	DRW	DATE	REF
17	JFB		NG T	HCUSR		R82
1082	3	20223	CE/A	8228	02/0	- 85
JREF- 1T408228Z03		3	F	DRW HCUSR8228 0704009	02/09/07	R8228- 70665

7040090 07 FL/-/4/-/-/R/-

Scale II

1875"/Ft.

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

Wind reactions based on MWFRS pressures

Left end vertical not exposed to wind pressure

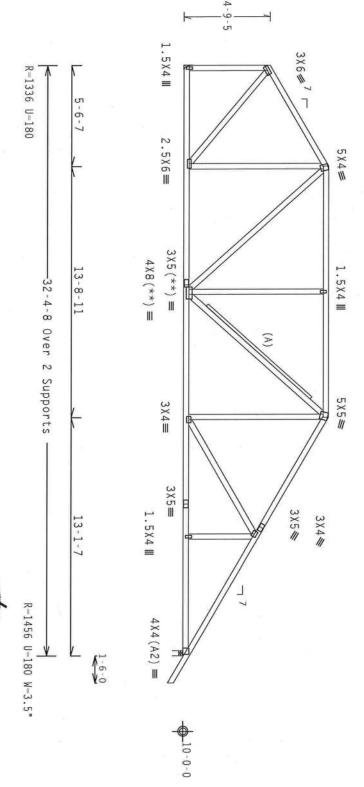
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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

(A) 2x4~#3 or better "T" brace. 80% length of web member. Attach with  $16d~{\rm Box}$  or Gun (0.135"x3.5",min.)nails @ 6" 0C.

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



-0

\*\*\*ARRING\*\* RUUSES REQUEE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BEST, GUNIO NG ORPODERET SKETTY MIGRARICON), PURLICHED BY TRY CRUSES PLACE INSTITUTE, 218
ROBERH LEE STREET, SUITE 112, ALEXANDRIA, YA., 22144) AND WICK, HOND TRUSS COURCE, HOTE OWNERSEA,
ROBERHISE LAME, HADISON, UL. 53719) FOR SAFETY PRACTICES PORTICE HONOR TRUSS COURCE HOSE DURCIDORS. UNICESS
OTHERWISE INDICATED TOP 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) MENS \* TC DL TC LL FL/-/4/-/-/R/-

20.0

PSF

REF

Scale =.1875"/Ft. R8228- 70666

DATE

02/09/07

PLT TYP.

Wave

REFER TO BCS1 (BUILDING HORTH LEE STREET, SUITE 31 ENTERPRISE LANE, MADISON, OTHERWISE INDICATED TOP CH

A PROPERLY ATTACHED RIGID CEILING

\*\*IMPORTANT\*\*SUBNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESONSIBLE FOR NAY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THIS DESIGN. COMPORMANCE WITH THE TOTAL OR FARRICATING, ANALYLIG, SHAPPING, INSTALLING & BRACING OF TRUSSES, DESIGN COMPORTS WITH APPLICABLE PROPISIONS OF ADS. (NATIONAL DESIGN SPEC, BY ALRAY) AND THIS DESIGN COMPORTS WITH APPLICABLE PROPISIONS OF ADS. (NATIONAL DESIGN SPEC, BY ALRAY) AND THIS ADS. (CONNECTION PLATES ARE MADE OF ZOJES) GRACA (W. MYSSY). ASTH AGS. DEADE 40/50 (W. X/M.SS) GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. SIGN SPEC, BY AFAPA) AND TPI. ITW BCG
NADE 40/60 (W. K/H.SS) GALV. STEEL. APPLY
THIS DESIGN, POSITION PER DRAWINGS 160A-Z

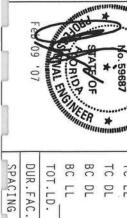
DESIGN SHOWN. TO SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILD

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

BUILDING DESIGNER PER

ALPINE

TPI1-2002 SEC.3. A SEAL ON THIS BILLTY SOLELY FOR THE TRUSS COMPONENT BUILDING IS THE RESPONSIBILITY OF THE



1.25 24.0" JREF -FROM 1T408228Z03

40.0

PSF

SEQN-

20231

10.0 PSF 10.0 PSF

0.0 PSF

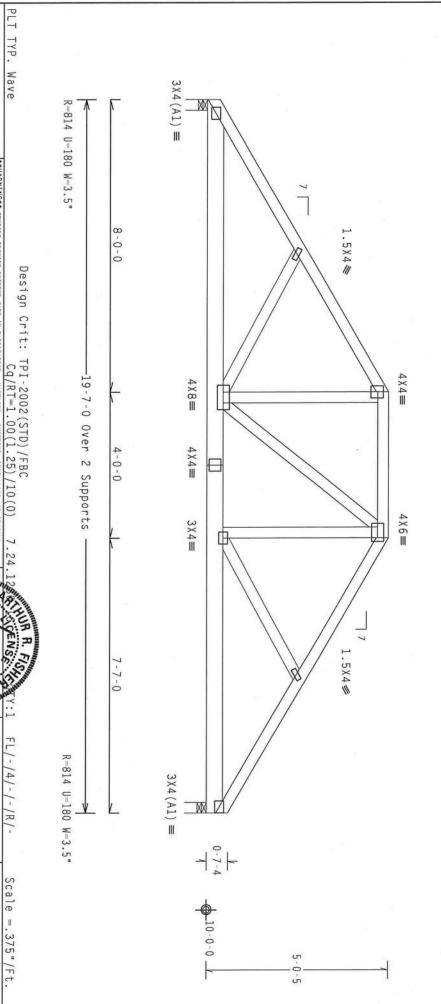
HC-ENG TCE/AF DRW HCUSR8228 07040091

Wind reactions based on MWFRS pressures

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL=5.0 psf, wind BC DL=5.0 psf. B, wind TC

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





PLT

TYP.

Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BESS! (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218
NORTH LEE STREET, SUITE 312, ALEXANDRIA, NA, 22214) ABO HITCA (MODD TRUSS COUNCIL OF AMERICA, 5000
ENTERPRISE LAWE, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. DUELSS
OTHERWISE HOUGHED STRUCTIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAWELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CELLING.

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, ING. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, VEY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH PI: OR FARREACTING, HANDLING, SHIPPING, HISTALLING A BRACING OF TRUSSES, BESIGN CONTROLATION, PROPERLY AND THE THE CONTROLATION FOR THE STATE ARE MADE OF 20/18/16/06, (W. H/SXX), ASTM ASS JORDE 40/60 (W. K/H.XS) GAJV. STEEL, APPLY PLATES TO EACH FAGE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWHMS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF FITE-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROPESSIONAL REGIONER HAS RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

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SPACING	DUR.FAC.	TOT.LD.	F   .	PL	DL	וכ בר
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JREF- 1T408228Z03	FROM JFB	SEQN- 20349	HC-ENG TCE/AF	DRW HCUSR8228 07040094	DATE 02/09/07	REF R8228- 70669

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

Scale =.

.375"/Ft

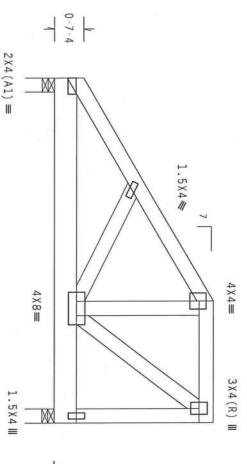
Bot SPECIAL LOADS t chord 2x4 SP t chord 2x6 SP Webs 2x4 SP From 363 LB Conc. 129 LB Conc. 155 LB Conc. 54 LB Conc. (LUMBER R DUR.FAC.=1.25 / PL 63 PLF at 0.00 to 20 PLF at 0.00 to #2 Dense #2 #3 Load at Load at 4.58 4.58 6.65 PLATE E DUR.FAC.=1.25) 63 PLF at 7.08 20 PLF at 7.08

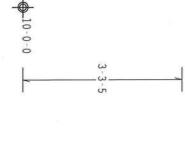
> 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL=5.0 psf, wind BC DL=5.0 psf. B, wind TC

Right end vertical not exposed to wind pressure

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

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





R-499 U-180 W-3.5" -7-1-0 Over 4-7-0 ~ Supports 2-6-0 R=791 U=311 W=3.5"

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

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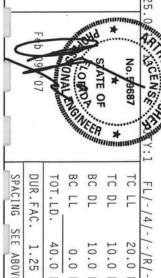
Wave

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Conficate of Authorization # 567 \*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR NAW DEVIATION FROM THIS DESIGN, AVEY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH IPI: OR FLARESCRING, HANDLING, SHIPPING, INSTALLING A BRACHEG OF TRUSSES, DESIGN CONFIDENCE WITH APPLICABLE PROVISIONS OF NOS (RATIONAL DESIGN SECG. N. FREYN, AND TPI. IT ACC COMMERCIOR PLATES ARE MADE OF 20/18/166A (M.H/SS/N) ASTM A653 GRADE 40/160 (M. K/M.SS) GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWHOUS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF FPII-2002 SEC. 3. A SEAL ON THIS DRAWHIG INDICATES ACCEPTANCE OF PROFESSIONAL REGIONERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER

ALPINE



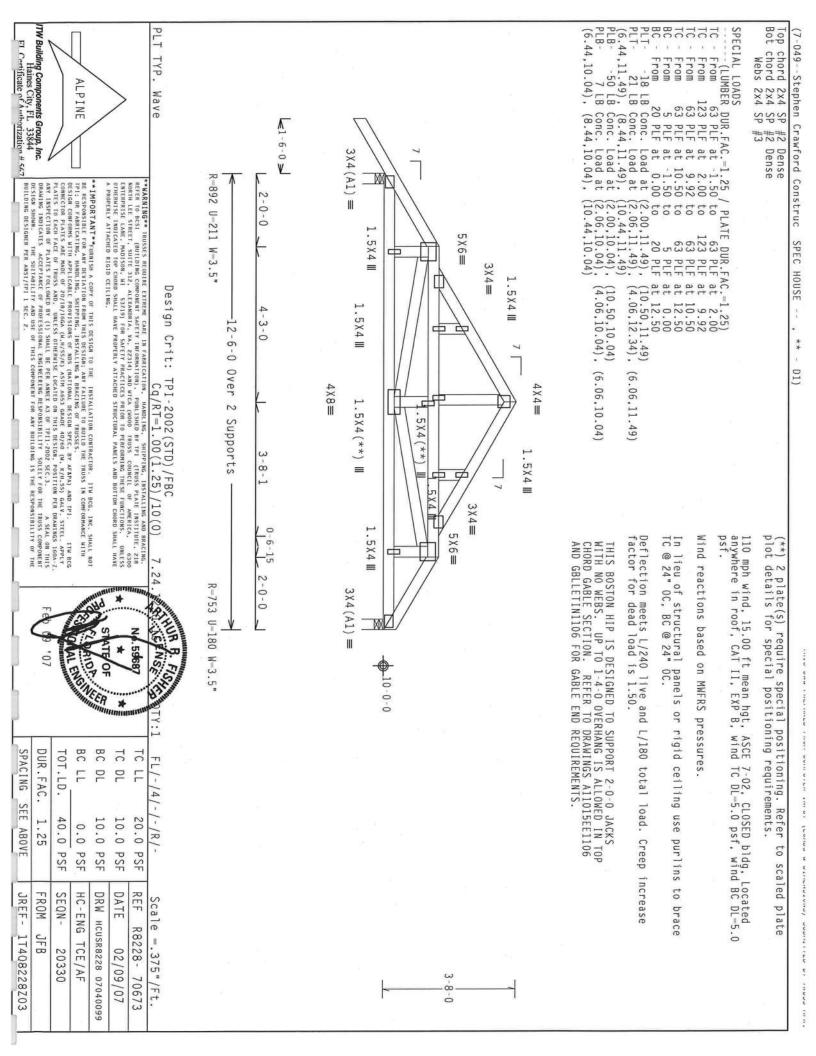


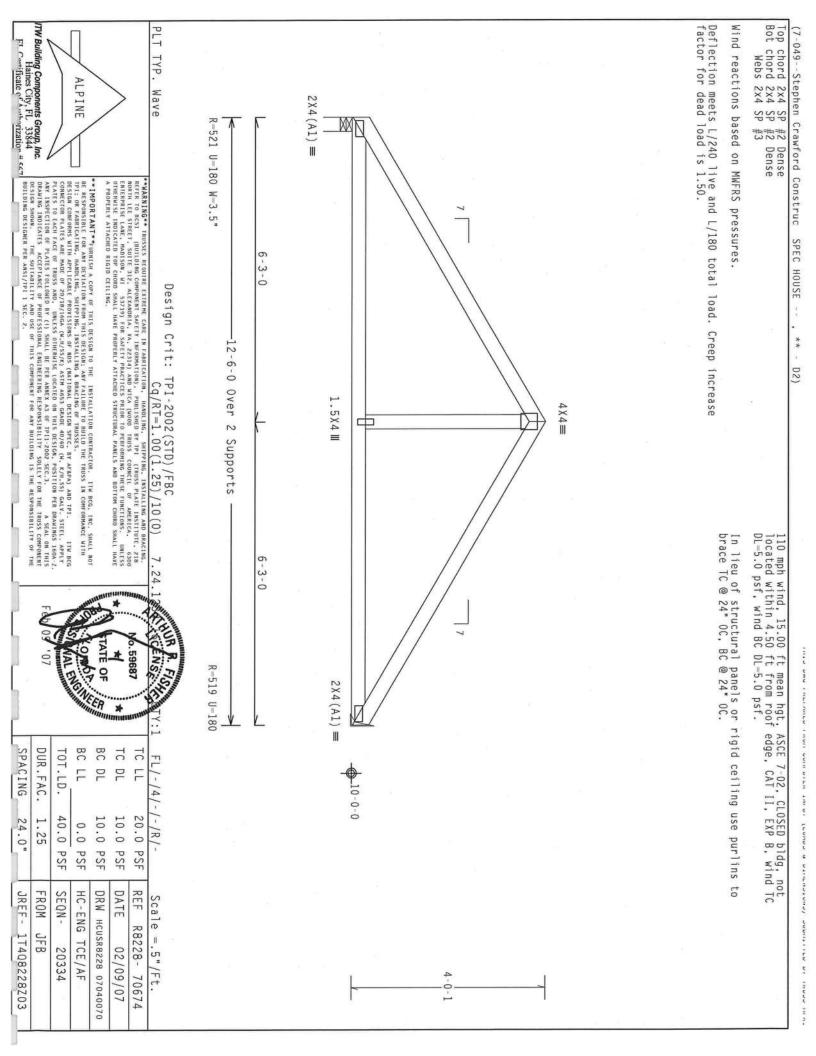
		•	A CI	VEER	**************************************	*****
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
SEE ABOVE	. 1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
)E		PSF	PSF	PSF	PSF	PSF
JREF-	FROM	SEQN-	HC-EN	DRW H	DATE	REF
JREF- 1T408228Z03	JFB	89489	HC-ENG TCE/AF	HCUSR8228 0704009	02/09/07	R8228- 70672
28203		9 RE	'n	0704009	9/07	70672

07040098

REV

Scale = .5"/Ft.





Top chord 2x6 SP Bot chord 2x6 SP Webs 2x4 SP SPECIAL LOADS From From 153 1346 245 1336 960 206 (LUMBER DUR.FAC.=1.25 )
rom 60 PLF at 0.00 3 LB Conc. Load at 6 LB Conc. Load at 5 LB Conc. Load at 6 LB Conc. Load at 0 LB Conc. Load at 6 LB Conc. Load at #2 1.23 1.40, 3.23, 5.40 7.40, 9.23 / PLATE DUR.FAC.=1. to 60 PLF at 11 to 20 PLF at 11 to to 3.40 5.23, 9.40, 10.94 OUR.FAC.=1.25)

O PLF at 11.33

O PLF at 11.33 7.23

End verticals not exposed to wind pressure

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

## COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common\_(0.148"x3.25",\_min.)\_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

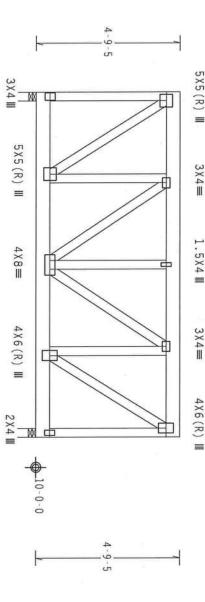
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins brace TC @ 24" 0C, BC @ 24" 0C. to

Truss must be installed as shown with top chord up

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



=4378 U=489 W=3.5" 11-4-0 Over 2 Supports R=4531 U=530 W=3.5"

ITW Building Components Group, Inc. Haines City, FL 33844 FL Conficate of Amborization # 567 ALPINE BUILDING DESIGNER PER

TYP.

Wave

ENTERPRISE LANE, MADISON, NI 533 OTHERWISE INDICATED TOP CHORD SHAL 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 DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COPYORNANCE WITH TPI; OR FARRICATING, INAUCLING, INSTALLING & BRACKING OF TRUSSES,

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ROS (MAITONAL DESIGN SPEC, BY ATRPA) AND IPI. THE BCG CONNECTOR PLATES ARE MADE OF 20/18/156A (4.14/55/PA) ACM FASS GARDE 40/50 (4.5 POSITION PER DRAWINGS 150A-Z, ANY INSPECTION OF PLATES ARE MADE OF 20/18/156A (4.14/55/PA) ACM FASS OF PROVISIONAL PROPER DRAWINGS 150A-Z, ANY INSPECTION OF PLATES TOLLOHED BY (1) SHALL BE PER ANNEX AS OF PPIL-2002 SEC.3. A SEAL ON THIS ANY INSPECTION OF PLATES TOLLOHED BY (1) SHALL BE PER ANNEX AS OF PPIL-2002 SEC.3. A SEAL ON THIS ANY INSPECTION OF PLATES TOLLOHED BY (1) SHALL BE PER ANNEX AS OF PPIL-2002 SEC.3. A SEAL ON THIS DESIGN OF PROPERTY OF THE TRUSS COMPONENT OF PROPERTY OF THE TRUSS COMPONENT OF PROPERTY OF THE TRUSS COMPONENT OF THE TRUSS COMPON

7.24. Feb CENSE 09 '07 lo. 59687 PE OF FL/-/4/-/-/R/-

			SINNIN	EER	**************************************	mmm
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JREF - 1T408228Z03	FROM JFB	SEQN- 20316	HC-ENG TCE/AF	DRW HCUSR8228 07040104	DATE 02/09/07	REF R8228- 70675

Scale =.3125"/Ft

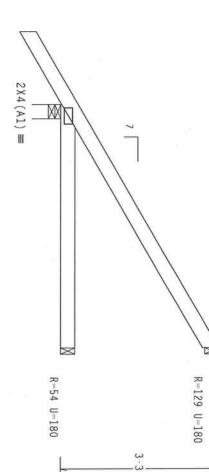
Wind reactions based on MWFRS pressures

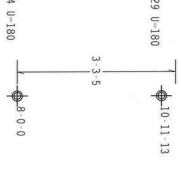
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,.$ 

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

> 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL=5.0 psf, wind BC DL=5.0 psf. B, wind TC

In lieu of structural panels or rigid ceiling use purlins brace TC @ 24" 0C, BC @ 24" 0C.





1-6-0-▶ R-335 U=180 W=3.5" -5-0-0 Over 3 Supports

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

PLT

TYP.

Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, WANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BCSI. (BUILDING COMPONENT SAFETY EMPONATION), PUBLISHED BY FIT (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREE, SUITE 312. ALEXANDRIA, VA, Z2314) AND MICA (1000) TRUSS COUNCIL OF AMERICA, 6300 EMIRESPESSE LANE, MANISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TO EMEDOS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE

ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Anthorization # 567 \*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR NAW DEVIATION FROM THIS DESIGN, FOR FAILURE TO BUILD THE TRUSS IN COMPORMANCE HITH TPI; OR FARREACHING, MADILLING, SHAPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROPUSIONS OF NOS (MATIONAL DESIGN SPEC, BY ATREA) AND TPI. I'V BCG COMMECTOR PLATES ARE MADE OF 20/19/166A, (M.H.YSS/M.) ASTA MASS GRADE 40/50 (W.K.M.SS) GALV. SIEEL, APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS ONHERNISE LOCATED ON THIS DESIGN, POSITION DER DRAHINGS 150A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF TPI1-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILLITY OF THE DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE



PSF

SEQN-

20080

HC-ENG TCE/AF DRW HCUSR8228 07040072 DATE REF

02/09/07

Scale =.5"/Ft.

R8228- 70676

JREF -FROM

1T408228Z03

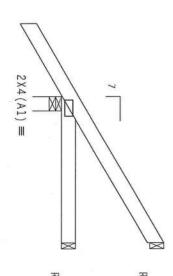
Wind reactions based on MWFRS pressures

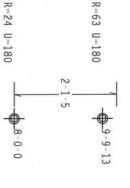
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.





**←**1-6-0-> R-265 U-180 W-3.5 3-0-0 Over 3 Supports

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

PLT TYP.

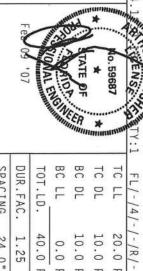
Wave

\*\*MARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HABILIAN, SHIPPING, HISTALLING AND BRACING.
RETER TO BESI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218
NORTH LEE STREET, SUITE 31Z, ALEXANDETA, VA, ZZ313) AND NTCA (4000 TRUSS COUNCIL OF AMERICA, 6300
ENTERRISE LANE, MANISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP COMOS SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BGG, INC. SHALL NOT BE RESPONSIBLE FOR AWY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORMACE WITH FPI: ON FAREICATHIG, HANDING, SHEPPIG, ISSALLING A BRACHING OF TRUSSES; AND AND IPI. DESIGN COMPORES WITH APPLICABLE PROPUSIONS OF BDS (MATIONAL DESIGN SPEC, BY AFREA) AND IPI. DESIGN COMPORES OF THIS DESIGN CONTROL OF TRUSS AND. UNLESS OTHERNISE LOCATED ON HIS DESIGN, POSITION FER DRAWINGS 160A.V. PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERNISE LOCATED ON HIS DESIGN, POSITION FER DRAWINGS 160A.V. AND AND FOLLOWER BY COLUMED BY COLUMED BY COLUME BY COLUMED BY COLUME BY COLUMED BY COLUME BY COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/FPI 1 SEC. 2.

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

ALPINE



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SP,	DUF		ВС	ВС	TC	10 11
SPACING	DUR.FAC.	TOT.LD.	F	PL	DL	F
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
m =		PSF	PSF	PSF	PSF	1SA
JREF	FROM	SEQN-	HC-EI	DRW	DATE	REF
JREF- 1T408228	JFB	20085	HC-ENG TCE/AF	DRW HCUSR8228 07	02/09	R8228- 70
28		5	TI	07	9	70

28 07040062 /AF

/09/07 70677

8228203

Scale =.5"/Ft

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. Top chord 2x4 SP Bot chord 2x4 SP Wind reactions based on MWFRS pressures In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC. #2 Dense #2 Dense SPECIAL From (LUMBER -115 126 -29 47 LOADS 5 LB Conc. Load at 6 LB Conc. Load at 9 LB Conc. Load at 77 LB Conc. Load at 62 PLF at -2.12 to 4 PLF at -2.12 to 20 PLF at 0.00 to DUR.FAC.=1.25 1.48 4.31 1.48 4.31 PLATE E DUR.FAC.=1.25)
62 PLF at 7.07
4 PLF at 0.00
20 PLF at 7.07

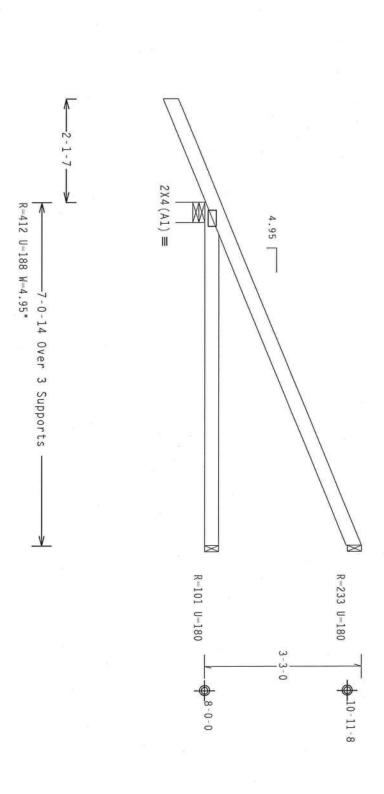
 $0.162 \times 3.5$ " 16d Common toe-nails at Top Chord.  $0.162 \times 3.5$ " 16d Common toe-nails at Bottom Chord. Deflection meets L/240 live and L/180 factor for dead load is 1.50.

total load. Creep increase

brace

Provide Provide

22



ITW Building Components Group, Inc. Haines City, FL 33844 ficate vizatio

BUILDING DESIGNER PER ANSI

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AND USE OF THIS COMPONENT FOR

ANY BUILDING IS THE RESPONSIBILITY OF THE

ALPINE

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN. ANY TAILINE TO BUILD THE TRUSS IN COMPORMANCE WITH FPI: OR FARRICALING, ANDULIG, SHIPPING, INSTALLING A BRACILING OF TRUSSES, DESIGN. CONTRONS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFAFA) AND TFI. CONTROLS OF THE APPLY DESIGN. CONTROLS ARE ANDE OF 20189 JOEAC, 41H/55/KY) ASTH ASTS GRADE 40/50 (M. K/M.SS) GALV, STEEL JAPPY DLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION FOR BRAHIMGS 150A-7. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE FER ANNY KAY 30 OF 171-2002 SEC.3. A SEA, ON THIS DESIGN. POSITION OF PLATES FOLLOWED BY (1) SHALL BE FER ANNY KAY 30 OF 171-2002 SEC.3. A SEA, ON THIS DESIGN. POSITION OF PLATES FOLLOWED BY (1) SHALL BE FER ANNY KAY 30 OF 171-2002 SEC.3. A SEA, ON THIS DEALER OF THE TRUSS COMPONENT

BC LL BC DL

DUR.FAC.

TOT.LD.

40.0

PSF

SEQN-HC-ENG

SPACING

24.0" 1.25

JRFF -FROM

1T408228Z03

JFB

TC LL

20.0

PSF

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

Scale =.5"/Ft.

R8228- 70678

TC DL

10.0 PSF

DATE REF

02/09/07

10.0 PSF 0.0 PSF

DRW HCUSR8228 07040096

TCE/AF 20095

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

A PROPERLY ATTACHED RIGID CEILING.

PLT TYP.

Wave

SPACING

SEE

ABOVE

JREF -

1T408228Z03

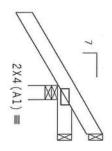
Wind reactions based on MWFRS pressures.

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

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

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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.



1-0-0 Over 3 Supports
R=257 U=180 W=3.5

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

PLT TYP.

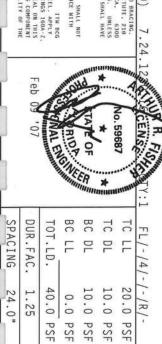
Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABBLICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BEST (BULLDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 132, ALEXANDREAL, YA, 22314) AND WICK, WOOD FRUSS COUNCEL, OF AMERICA, 6300 ENTERPRISE LAME, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERMISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED RIGHT AND SOUTH SHALL HAVE A PROPERLY ATTACHED RIGHT CELLING.

\*\*IMPORTANI\*\*\*URRESH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FALLER FOR DEDICH THE TRUSS IN COMPORMANCE WITH TPI OR FARBLEATING, MANULING, SHPPING, HASALLENG A BRACHEG OF TRUSSES, WARPAN AND TPI. THE RESOLUCION PROFESSION CONNECTOR PLATES ARE AND OF 207/19/16AG (M. 1782/S) ASTEM ASSOCIATE, STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND. URLESS OTHERHISE LOCATED ON THIS DESIGN, POSITION FER BRAHINGS 160A-Z, ANY HISPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANKEX AS OF TPI1-2007 SEC.). A SEAL ON THIS DESIGN SHOWN. THE SHITMALLIFY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/IPI I SEC. 2.

Haines City, FL 33844

ALPINE



SEQN-

DRW HCUSR8228 07040063 HC-ENG TCE/AF

20091

JREF -

1T408228Z03

REF

R8228- 70681

02/09/07

Scale =.5"/Ft

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

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

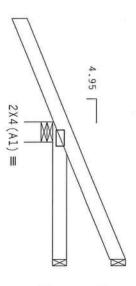
Wind reactions based on MWFRS pressures

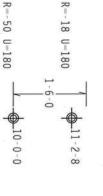
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,.$ 

Provide Provide 20 $0.162 \times 3.5 \text{ }^{\text{m}}$  16d Common toe-nails at Top Chord.  $0.162 \times 3.5 \text{ }^{\text{m}}$  16d Common toe-nails at Bottom Chord.

> TC - From BC - From BC - From TC - -115 BC - -115 SPECIAL LOADS (LUMBER DUR.FAC.=1.25 n 62 PLF at -2.12 to n 4 PLF at -2.12 to n 20 PLF at 0.00 to 5 LB Conc. Load at 1.48 5 LB Conc. Load at 1.48 PLATE TE DUR.FAC.=1.25)
> 62 PLF at 2.83
> 4 PLF at 0.00
> 20 PLF at 2.83

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







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

CENS

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

Scale =.5"/Ft.

PLT

TYP.

Wave

REFER TO BCS1 (BUILDING COMPONEN MORTH LEE STREET, SUITE 312, ALEXAL ENTERPRISE LANE, MADISON, WI 537 OTHERNISE INDICATED TOP CHORD SHALL A PROPERLY ATTACHED RIGID CEILING. INSESS REQUERE EXTREME CARE IN CABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACHEG, (BUILDING COMPONENT SACETY INCOMENTION, DUBLISHED BY PET CITRUSS PARE INSTITUTE, AS SHIP NEACTICES PRIOR TO PERFORMING HESS FUNCTIONS. UNLESS WILLSON, MI S3719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HESS FUNCTIONS. UNLESS WILLSON, DESCRIPTION OF SAFETY PRACTICES PRIOR TO PERFORMING HESS WILLIAMS BOTTOM CHORD SHALL HAVE

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, ING. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, TO BUILD THE TRUSS IN COMPORMANCE HITH PI): OR FARREACTING, MANDILUG, SHAPPIG, HISTALLING A BRACHEG OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY ARRAY) AND TP1. ITW BCG CONNECTION PLAITS ARE MADE OF 70/18/16/06A (H.H./SSS/N) ASTM A653 GRADE 40/60 (H. K/M.SS) GALY. STEEL, APPLY PLAITES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 150A-7. ANY INSPECTION OF PLAITES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TP11-2002 SCC.3. A SEAL ON THIS DUBLING INSTALES ACCUMPOSED OF THE SHAPE OF THE TRUSS COMPOSENT DESIGN SHOWN. THE SHITABLLITY AND DESIGN SHOWN FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

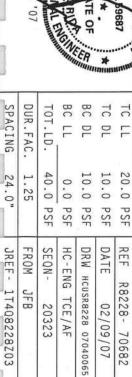
ITW Building Components Group, Inc.
Haines City, FL 33844

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BUILDING DESIGNER PER

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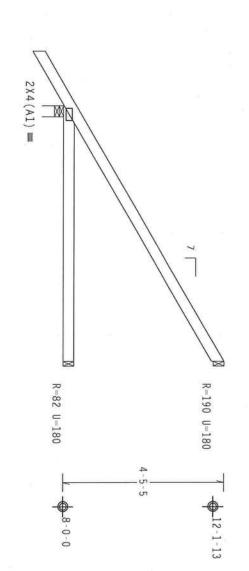
Wind reactions based on MWFRS pressures

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

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

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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.



**€**1-6-0 **≥** 

R-412 U-180 W-3.5" -7-0-0 Over 3 Supports

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

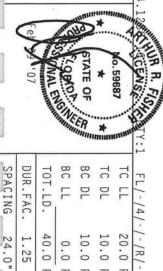
PLT TYP.

Wave

A PROPERLY ATTACHED RIGID CEILING.

ITW Building Components Group, Inc. Haines City, FL 33844 \*\*IMPORTANT\*\*FURNISH 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 COMPORMANCE HITM TPI; OR FLARE, ACTION, HANDLING, SIMPPING, INSTALLING & BRACKING OF TRUSSES, WASAD, AND TPI, IN 11 HIDDESIGN COMPORES WITH APPLICABLE PROVISIONS OF HUS (MATIONAL DESIGN SPEC, BY AFAFA) AND TPI, IN 11 HIDDESIGN COMPORES WITH APPLICABLE PROVISIONS OF HUS CANADADA FOR A FAFA, AND TPI, THE PLATES TO EACH FACE OF TRUSS, AND. UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION FER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE FER ANKER AS OF FPIT-2002 SEC. 3. AS SEAL ON THIS DEMAND INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABLILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNED PER ANSI/TPI & SEC. 2.

ALPINE



	07	WAL E-	OBO	ATE OF ERM	*	5.59687	ENS XXXX
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL	1 FL/-/4/-/-/R/-
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF	-/-/R/-
JREF - 1T408228	FROM JFB	SEQN- 20107	HC-ENG TCE/AF	DRW HCUSR8228 07	DATE 02/09/	REF R8228- 70	Scale =.375"/

8228 07040060

02/09/07 28-70683 .375"/Ft.

408228203

Wind reactions based on MWFRS pressures

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 2.50 PSF. Top chord must not be cut or notched.

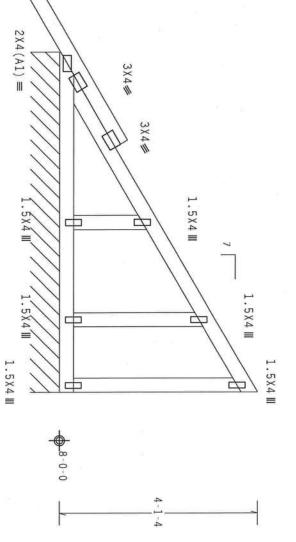
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

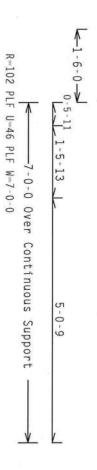
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure

See DWGS All015EE1106 & GBLLETIN1106 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.





Haines City, FL 33844

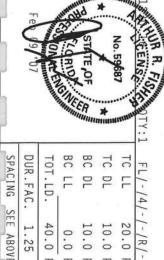
"Fi Cate The Prization of The Priz ALPINE PLT

TYP.

Wave

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 DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG. INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN. ANY FALLURE TO BUILD THE TRUSS IN COMPORMANCE WITH PI: OR FAREIGATING, HANDLIGG, SUPPING, INSTALLING A BRACHING OF TRUSSES. BY AFRAD, AND TEI. DESIGN CONTROLS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGNS SPEC, BY AFRAD, AND TEI. ITH BCG CONNECTOR PLATES ARE HANDE OF ZOLUBING AND HIS AND HIS DESIGN FOR (M. K.M.SS) GALV. SITEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRAHINGS 1560A-Z. ANY HISPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF FILI-ZODES SEC. M. AS SEAL ON THIS DESIGN ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SULTABLILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNED PER ANSI/TPI I SEC. 2.



		Marine	CINE MANUAL	ER	≯ must	minni.
SPACING S	DUR.FAC. 1.25	TOT.LD.	BC LL	BC DL	TC DL	TC LL
SEE ABOVE	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JREF - 1T408228Z03	FROM JFB	SEQN- 20113	HC-ENG TCE/AF	DRW HCUSR8228 07040066	DATE 02/09/07	REF R8228- 70684

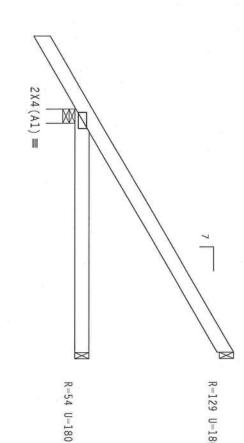
Scale = .5"/Ft

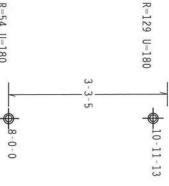
Wind reactions based on MWFRS pressures

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.





1-6-0-

R = 335U=180 W=3.5" -5-0-0 Over 3 Supports 5-0-0

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

PLT

TYP.

Wave

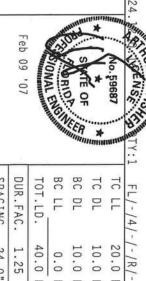
\*\*WARNING.\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (FRUSS PLATE INSTITUTE, 218 MOUTH LEE STREET, SUITE 317, ALEXANDRIA, VA, Z2314) AND NTCA (4000 TRUSS COUNCIL O' AMERICA, 6300 ERTERDRISE LANE, MADSON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE HOUGHALD FOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

Haines City, FL 33844 \*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR NAW OFLIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THIS DESIGN CONTROLLED, THE TRUSS OF TRUSSES.

DESIGN CONTROLS ALTH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY ALERA) AND TPS. ITH BCG CONNECTOR PLATES ARE MADE OF 20/18/166A (M.H/SS/K) ASIM AGES GRADE A0/50G (M.K/M.SS) GALV. STEEL, APPLY PARIES TO EACH FACE OF TRUSS AND, UNLESS OFTERWISE LOCATED ON THIS DESIGN, POSITION DER DRAMINGS 150A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANKEY AS OF TPIT-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SULFAFOR THE TRUSS COMPONENT DESIGN SHOWN. THE SULFAFOR THE TRUSS COMPONENT DESIGN SHOWN.

BUILDING DESIGNER PER ANSI/TPI 1 SEC.

ALPINE



10.0 PSF 20.0 PSF

DATE

02/09/07

REF

R8228- 70685

Scale = .5"/Ft.

10.0 PSF

DRW HCUSR8228 07040079

HC-ENG

JB/AF

150995



FROM SEQN-

JFB

JREF -

1T408228Z03

Wind reactions based on MWFRS pressures

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

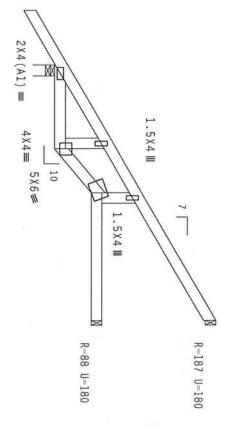
Provide Provide

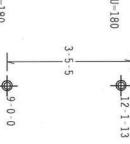
2

0.162x3.5" 16d Common toe-nails at Top Chord. 0.162x3.5" 16d Common toe-nails at Bottom Chord

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL-5.0 psf, wind BC DL-5.0 psf. B, wind TC

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.





8-0-0

**€**1-6-0 **>** 

R-417 U-180 W-3.5" 2-3-8 -7-0-0 Over 3 1-2-6 Supports

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

TYP.

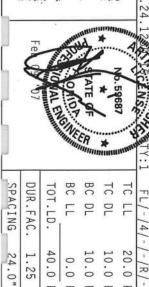
Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY PET (TRUSS PLATE INSTITUIT, 210 NORTH LEE STREET, SUITE 137, ALEXANDRAN, VA. 22314) AND NICA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PREFORMING THESE FUNCTIONS. UNLESS OTHERHISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION PROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH PI: OR FARREACTING, HANDLIGG. SHEPPIG., HEXALLING & BRACHING OF TRUSSES. BY CARLY AND TELL SHEET OF THE SHEET OF THE

Haines City, FL 33844
Finance City, FL 33844
Finance City FL 33844

ALPINE



		Manual Comments	CINE	ER	× ************************************	
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JREF -	FROM	SEQN-	HC-ENG	DRW HCL	DATE	REF R
JREF- 1T408228Z03	JFB	20246	HC-ENG TCE/AF	HCUSR8228 070400	02/09/07	R8228- 70686

07040067

228Z03

Scale = .375"/Ft.

70686

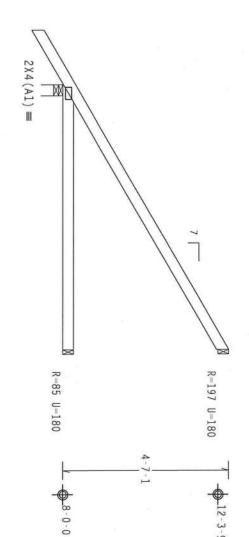
Wind reactions based on MWFRS pressures

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

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

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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.



1-6-0

R-422 U=180 W=3.5" -7-3-0 Over 3 Supports 7-3-0

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

PLT TYP.

Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY HOROMATICA), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 31Z, ALEXANDRIA, VA, ZZ31A) AND WICA (MODO TRUSS COUNCIL OF AMERICA, 6300 EXTERPRISE LAME, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL HAVE

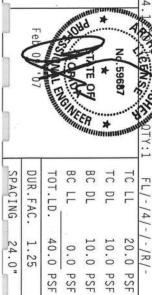
\*\*IMPORTANT\*\*SUBNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE HITH TP: OR FARBICATION, MANDLION, SHIPPING, HISTALLING & BRACING OF TRUSSES. DESIGN COMPORES HITH APPLICABLE PROVISIONS OF HOS (MAITOMAL DESIGN SPEC, BY AFADYA AND TPI. THE BCG CONNECTION PLATES ARE MADE OF ZOJESJOKA, CHAPSEY, ASTH MASS DEADE MOJECO, X, KJM SSS JAKAY. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING

AND USE OF THIS COMPONENT FOR SEC. 2. SIGN SPEC, BY AKANA) AND TPI. ITW BGG
BRADE 40/60 (W. K/M.SS) GALY. STEEL APPLY
ITHIS DESIGN, POSITION PER DRAWINGS 160A-Z.
BOF TPIL-2002 SEC.3.
A SEAL ON THIS
ONSIBILITY SOCIETY FOR THE TRUSS COMPONENT
I ANY BUILDING IS THE RESPONSIBILITY OF THE

Haines City, FL 33844

BUILDING DESIGNER PER ANS

ALPINE



FROM SEQN- HC-ENG TCE/AF

20301

DRW HCUSR8228 07040068

02/09/07

JREF-

1T408228Z03

REF DATE

Scale = .375"/Ft. R8228- 70687

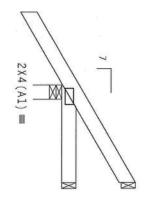
Wind reactions based on MWFRS pressures

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

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

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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.



R=7 U=180

R-21 U-180

10-0-0

**←**1-6-0->

2-0-0 Over 3 Supports R-240 U-180 W-3.5"

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

PLT

TYP.

Wave

A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\*PURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FORM HIS DESIGN, ANY FAILURE TO BUILD THE THUSS IN COMPONANCE WITH IP: OR FAMELOFIE, SHALLING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HOS (MATIONAL DESIGN SPEC, BY AERDA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADIO TO ZOJEDJAGA (A. HISSAY), ASTH MASS GRADE 40/50 (A. KJN.SS) GARAV. SIEEL. APPLY PHATES TO EACH FACE OF TRUSS AND, UNIESS OTHERWISE LOCATED ON HISS DESIGN, BOSITION PER BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS 160A-7. ANY INSPECTION OF PLATES TO LOCATED AND THE BRANHMOS TO PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE HIS DESIGN, POSITION PER DRAHAMS 160A-Z.

OF TPI1-2002 SEC.3.

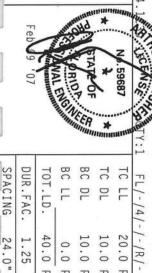
MSEBILITY

MSEBILITY

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

BUILDING DESIGNER PER

ALPINE



BC LL BC DL TC DL DUR.FAC. SPACING TOT.LD. 40.0 24.0" 10.0 PSF 10.0 PSF 20.0 PSF 1.25 0.0 PSF PSF DATE REF JREF -FROM SEQN-HC-ENG TCE/AF DRW HCUSR8228 07040069 R8228- 70688 1T408228Z03 20319 02/09/07

Scale =.5"/Ft.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

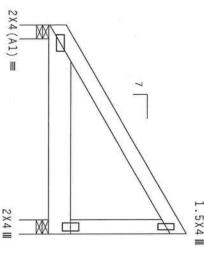
SPECIAL LOADS

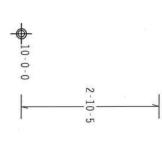
TC - From 63 PLF at 0.00 to BC - From 20 PLF at 0.00 to BC - 519 LB Conc. Load at 2.06, / PLATE DUR.FAC.=1.25)
to 63 PLF at 4.29
to 20 PLF at 4.29
2.06, 4.06

Wind reactions based on MWFRS pressures

Right end vertical not exposed to wind pressure.

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





-4-3-8 Over 2 Supports

R-492 U-180 W-3.5" Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) R=902 U=180 W=3.5"

PLT

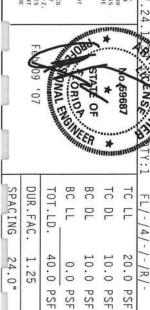
TYP.

Wave

ITW Building Components Group, Inc. Haines City, FL 33844 Ft Certificate of Ambarization # 547 ALPINE

REFER TO BCSI (BUILDING NORTH LEE STREET, SUITE 3) ENTERPRISE LANE, MADISON, OTHERWISE INDICATED TOP CO A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 1TH BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH TPI; OR FARRICATHO, MANULUG, SHAPPIDG, INSTALLING A BRACHEG OF TRUSSES, DESIGN CONFORMS HITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY ARREA) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 20/18/166A (M.H/SS/N) ASTM A653 GRADE 40/60 (M. E/M.SS) AGALY. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DIMAHROS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI1-2002 SEC. 3. A SEAL ON THIS DRAHROS HORALES AND THE STORE SHAPPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI1-2002 SEC. 3. A SEAL ON THIS DRAHROS HORAL. THE SHIPMAN OF THE TRUSS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-20 DRAING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



PSF

20338

HC-ENG TCE/AF DRW HCUSR8228 07040071

JREF -FROM SEQN-

1T408228Z03

JFB

REF

R8228- 70689

Scale = .5"/Ft.

DATE

02/09/07

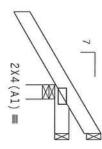
Wind reactions based on MWFRS pressures

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

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.



R=-15 U=180

R=-58 U=180 0-11-5 8-0-0



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

PLT TYP.

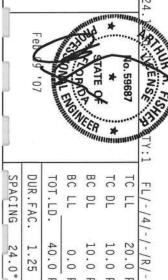
Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BOSI (BULLDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 MORTH (LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND HTCA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERFORMENTS (LAME, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORHING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP COMOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Conficate of Authorization # 567 \*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, ING. SHALL NOT BE RESPONSIBLE FOR ANY DEPLATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH FPI; OR FARRICATING, HANDLING, SHEPPING, INSTALLING A BRACING OF TRUSSES, DESIGN COMPORES WITH APPLICABLE PROVISIONS OF ANDS (MATIONAL DESIGN SPEC, BY AFREY) AND TPI. THE GCOCKMECTOR PLATES ARE HADE OF 20/18/166A (M.H/SS/R) ASYM HASS DRADE 07/50 (M.K/M.SS) GALY. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERSISE LOCATED ON THIS DESIGN, POSITION PER BRANINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF FPII-2002 SEC.3. A SEAL ON THIS BOSINGLATES ACCEPTANCE OF PROFESSIONAL FROM INFORMED AND FPII-700E TYPE. THESE COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BOSING AND AND ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF FPII-2002 SEC.3. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSE SUITABILITY AND USE OF THIS COMPONENT FOR PER ANSI/TPI I SEC. 2.

BUILDING DESIGNER PER

ALPINE



10.0 PSF 10.0 PSF 20.0 PSF

REF

R8228- 70690

Scale =.5"/Ft.

DATE

02/09/07

0.0 PSF PSF

> HC-ENG TCE/AF DRW HCUSR8228 07040109

40.0

24.0" 1.25

JREF -

1T408228Z03

FROM SEQN-

JF B

20356

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

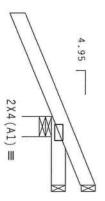
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

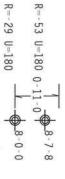
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,.$ 

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

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins brace TC @ 24" 0C, BC @ 24" 0C.





1-5-0 Over 3 Supports R=337 U=180 W=4.95'

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

AUR R FIG CE MS No/59687

TC LL

20.0 PSF

REF

R8228- 70691

Scale = .5"/Ft.

DATE

02/09/07

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

PLT TYP.

Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FPI (FRUSS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 137, ALKEANDRAIN, VA. 22314) AND HTGA (ROOD TRUSS COUNCILS STATE AMERICA, 6300 ENTERPRISE LANE, MADISON, VI. 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE

ITW Building Components Group, Inc. Haines City, FL 33844 FL Contificate of Ambarization # 567 \*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR AWY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH FPI; OF FAREIGATHIG, HANDLING, SHEPPING, INSTALLING A BRACHING OF TRUSSES, OR AFER) AND TPI. ITW BCG CONNECTION FOR THE PRICE APPLY BOSIGN CONNECTION FOR THE PLATES ARE MORE OF 20/19/166A (W.HYSS/K) ASTH A653 GRADE 40/50 (W. K/M.SS) GALV. STEEL. APPLY FLATES TO LACH FACE OF TRUSS AND, UNLES OTHERWISE LOCATED ON THIS DESIGN, POSITION FOR DRAWNES 1500-A. ANY INSPECTION OF FLATES FOLLOWED BY (I) SHALL BE FER ARMEX A. OF TPI1-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN, THE SULFAY FOR THE TRUSS COMPONENT OF THE PLATES FOLLOWED BY (I) SHALL BE FER ARMEX A. OF TPI1-2002 SEC.3.

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

ALPINE

KORIOP TATE OF NA PROPRIETA \* BC DL BC LL TC DL DUR.FAC. SPACING TOT.LD. 40.0 10.0 PSF 10.0 PSF 24.0" 1.25 0.0 PSF

PSF

SEQN-

20360

HC-ENG TCE/AF DRW HCUSR8228 07040110

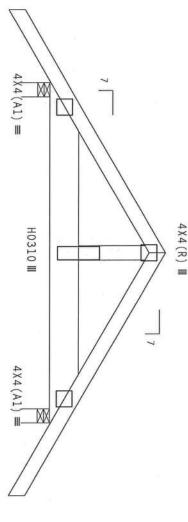
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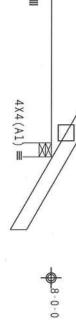
JFB

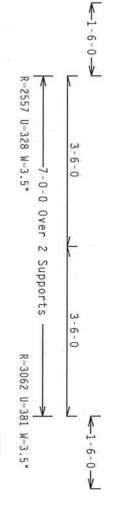
JREF -

1T408228Z03

Bot SPECIAL LOADS chord 2x4 SP #2 Dense chord 2x8 SP #1 Dense Webs 2x4 SP #3 to to to 1.53 3.46 PLATE E DUR.FAC.
63 PLF at
5 PLF at
20 PLF at
5 PLF at 1.25) 8.50 0.00 7.00 8.50 In lieu of brace TC @ Nailing Schedule: (12d\_Common\_(0.148"x3.25",\_min.)\_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c. 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. Use equal spacing between rows and stagger nails in each row to avoid splitting. COMPLETE structural panels or rigid ceiling use purlins to 24" OC, BC @ 24" OC. TRUSSES REQUIRED







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

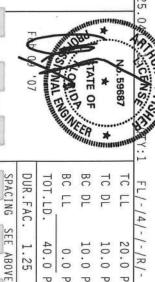
TYP.

20 Gauge HS, Wave \*\*WARNING\*\* TRUSSES BEQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (DULLOING COMPONENT SAFETY REFORMATION), PUBLISHED BY FFT (TRUSS PLATE HESTITUTE, 218 MORTH LEE STREE, SUITE 312, ALEXANDRIA, VA, 22314) AND NTCA (MODO) TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE

FI Configurate City, FL 33844
FI Configurate City, FL 33844 \*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE FO BUILD THE TRUSS IN COMPORNANCE WITH IPI: OR FAREIGATING, HANDLING, SHIPPING, INSTALLING A BRACHIG OF TRUSSES, DESIGN CONTROLS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AREA) AND TRI. ITH BCG CONNECTION PLATES ARE HADEO OF 20/18/160A (M.M.YSS, M.STM A653 GRADE 40/60 (M. K/M.SS) GALV. STREEL APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF FLATES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF FPII-2002 SEC.3. A SEAL ON THIS DRAWING 100/ACTES ACCEPTANCE OF PROFESSIONAL REGIONIES HAR RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SULFABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER

ALPINE



		Mill	CER	*	en inen	2
DUR.FAC. 1.25	TOT.LD.	BC LL	BC DL	TC DL	TC LL	1.11/1/1/1/
1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF	1 1111
FROM	SEQN-	HC-ENG TCE/AF	DRW HCU	DATE	REF RE	000
JFB	89521	TCE/AF	DRW HCUSR8228 07040111	02/09/07	R8228- 70692	00010 .0 /100
	RE		40111	)7	92	

JREF -

1T408228Z03

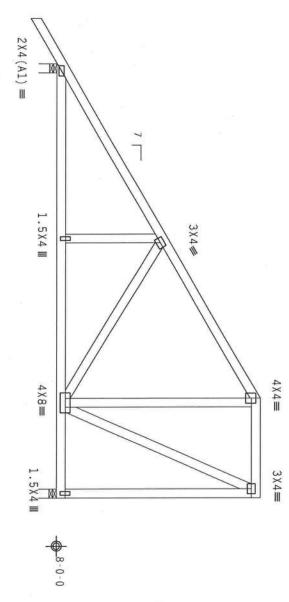
Wind reactions based on MWFRS pressures

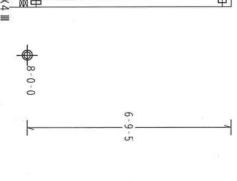
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

Right end vertical not exposed to wind pressure.

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







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

TYP.

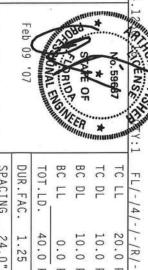
Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, MANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS! GUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPT (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 317. ALEXANDRIA, VA, Z2314) AND NICA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LAME, MADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORHING THESE FUNCTIONS. UNLESS OTHERWISE HOLDSCARED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

ITW Building Components Group, Inc. Haines City, FL 33844 FL Conficate of Amborization # 547 

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE



J			THINI.	EER	*	munn
SP/	DUI	10.	ВС	ВС	TC	TC
SPACING	DUR.FAC.	TOT.LD.	F	DL	PL	F
24.0"	1.25	40.0 PSF	0.0	10.0	10.0	20.0 PSF
] -		PSF	PSF	PSF	PSF	PSF
JREF-	FROM	SEQN-	HC-ENG	DRW H	DATE	REF
1T408228Z03	JFB	20265	IG TCE/AF	HCUSR8228 07040113	02/09/07	R8228- 70694

Scale = .3125"/Ft.

Wind reactions based on MWFRS pressures

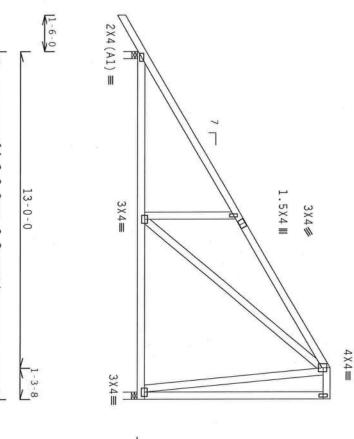
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

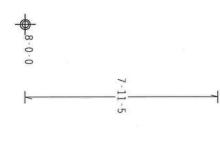
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

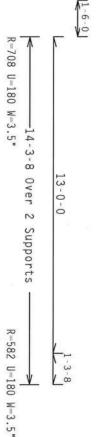
Right end vertical not exposed to wind pressure.

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

1.5X4 III







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

PLT TYP.

Wave

REFER TO BCS! (BUILDING COMPONEN
NORTH LEE STREET, SUITE 312, ALEXA
ENTERPRISE LANE, MADISON, WI 537
OTHERWISE INDICATED TOP CHORD SNAL
A PROPERLY ATTACHED RIGID CEILING. "\*\*ARANIAS\*\* HUUSSES REGUIRE EXTREME CARE IN FARRICATION, HANDLINE, SHIPTHE, INSTALLINE AND BRACINE,
RETER TO RESS. URULIONG CREMORENE SKELTY INFORMATION, PUBLISHED BY THE TRUSS PARE INSTITUTE. 218
ROBERTH LEE STREET, SUITE 312. ALEXANDRIA, PA. 22314) AND WICK (MODD TRUSS COUNCIL OF MARKES.
OWNERS LAME, MADISON, WI \$3719) FOR SAFETY PROFILES FRION TO PERFORMING THESE TUNCTIONS. URLESS OFFICE AND DOTON COURD SMALL HAVE
OWNERS LAME, MADISON, WI \$3719) FOR SAFETY PROFILES FRION TO PERFORMING THESE TUNCTIONS.
OWNERS LEE STREET, SUITE STREET, SUITE STREET, WITCHES TO PERFORME AND DOTON COURD SMALL HAVE
OWNERS LEED TO CHOOSE SMALL HAVE PROFILEY ATTACHED STRUCTURAL PAREES AND DOTON COURD SMALL HAVE

Haines City, FL 33844
Ft Conficate of Authorization # 547 \*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMFORMANCE WITH TPI; OR FARECATING, HANDLING, SHIPPHOE, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFAPA) AND TPI.

THE BCG
CONNECTOR PLATES ARE MADE OF ZO/18/166A (4. H/SS/K) ASTH A653 GAADE 40/56 (4. K/H.SS) GALV. REFEL APPLY
PLATES TO EACH FACE OF TRUSS AND. WHISS OTHERS HIS LOCATED ON THIS DESIGN. POSITION PER BRAHINGS 166A-Z
PLATES TO EACH FACE OF TRUSS AND. DRAHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDI BUILDING DESIGNER PER ANSI/FFI I SEC. 2. OF TP11-2002 SEC.3. A SEAL ON THIS ONSIBILITY SOLELY FOR THE TRUSS COMPONENT ANY BUILDING IS THE RESPONSIBILITY OF THE

ALPINE



		1	A CI	EER	**************************************	
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	10 11
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JREF- 1T408228Z03	FROM JFB	SEQN- 20269	HC-ENG TCE/AF	DRW HCUSR8228 0704011	DATE 02/09/07	REF R8228- 70695

07040114

Scale =.25"/Ft.

Wind reactions based on MWFRS pressures

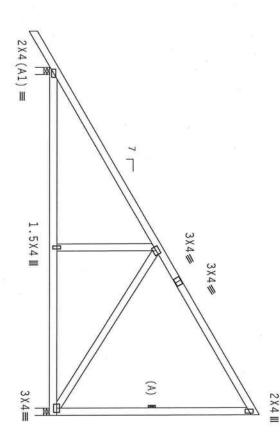
(A) Continuous lateral bracing equally spaced on member.

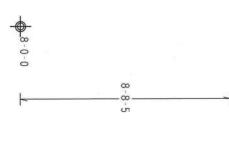
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL=5.0 psf, wind BC DL=5.0 psf. B, wind TC

Right end vertical not exposed to wind pressure

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





1-6-0

R-708 U-180 W-3.5" -14-3-8 Over 2 Supports R-582 U-180 W-3.5"

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

PLT TYP.

Wave

\*\*WARNING\*\* TRUSS
REFER TO BCSI (B
NORTH LEE STREET. OTHERWISE INDICATED TOP C A PROPERLY ATTACHED RIGID CEILING REQUIEE EXTREME CARE IN FABRICATION, HANDLING, SHEPPING, INSTALLING AND BRACING, 100 COMPONENT SAFETY HEADERSTAND AND WICK (4000 TRUSS COUNCIL OF MATERICA, 6300 TRUSS COUNCIL OF MATERICA, 6300 OF TRUSS COUNCIL OF TRUSS COUNCIL

Haines City, FL 33844

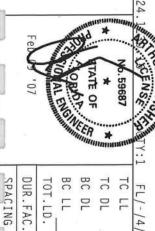
Haines City, FL 33844 \*\*IMPORTANT\*\*\*URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESONASIBLE FOR MAY DEVIATION FROM THIS DESIGN; MAY FALLURE TO BUILD THE TRUSS IN COMPORMANCE WITH TPI: OR FARBICATION. AND FULCABLE PROVISIONS, HISTALLING & BRACING OF TRUSSES.

DESIGN COMPORES WITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY ATRAP) AND TPI. THE GOOD CONNECTOR PLATES ARE MORE OF ZOJUDJOGA (M. MYSSY) ASTH MOSS DEADE 40/500 (M. Z. FULCABLE).

PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z DRAWING INDICATES OF PROFESSIONAL ENGINEERING RESP LITY AND USE OF THIS COMPONENT FOR SIGN SPEC, BY AF&PA) AND TPI. ITW BCG RADE 40/60 (W. K/H.SS) GALV. STEEL, APPLY THIS DESIGN, POSITION PER DRAWINGS 160A-Z FPI1-2002 SEC.3. A SEAL ON THIS SILITY SOLELY FOR THE TRUSS COMPONENT BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER

ALPINE



40.0

PSF

SEQN-

20273

1.25 24.0"

FROM

JF8

JREF -

1T408228Z03

10.0 PSF 10.0 PSF

0.0 PSF

HC-ENG TCE/AF

DRW HCUSR8228 07040115

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

20.0

PSF

REF

Scale = .25"/Ft. R8228- 70696

DATE

02/09/07

Wind reactions based on MWFRS pressures

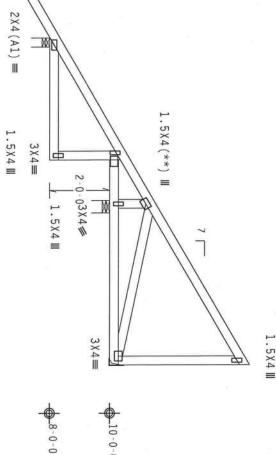
In lieu of structural panels or rigid ceiling use purlins brace TC @ 24" 0C, BC @ 24" 0C.

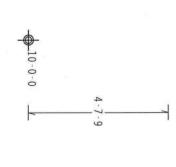
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is  $1.50\,\mathrm{.}$ 

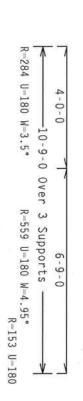
(\*\*) I plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Right end vertical not exposed to wind pressure







V1.6-0

-5-6-8

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

PLT TYP.

Wave

REFER TO BCS1 (BUILDING COMPONEN
MORTH LEE STREET, SUITE 312, ALEXA
ENTERPRISE LANE, MADISON, WI 537
OTHERNISE INDICATED TOP CHORD SHAL
A PROPERLY ATTACHED RIGID CEILING. OUISE EXTREME CASE IN FARSICATION, INSOLING, SHIPPING, INSTALLING AND BRACING, BY A CHARACTERY INFORMATION). PURIL ISSED BY THE (TRUSS PLANE INSTITUTE, ZIR BY LIVER AND STORMANDER, WA. 22314) AND STORM TO PERFORMING HISE FUNCTIONS. UNLESS CHARACTERS PRIOR TO PERFORMING HISE FUNCTIONS. UNLESS CHARACTERS AND ADDITION CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

\*\*IMPORTANT\*\*PURNISH 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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPORES WITH APPLICABLE PROVISIONS OF HDS (MATIONAL DESIGN SPEC, BY AFAMA) AND TPI. ITH BCG COMMECTION PLATES ARE MADE OF ZOTINGTHOMA, QUANTES AS BANDE 40/500 (M. X.P.H.SS) AGAIV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-25 PLATES. DRAHING INDICATES ONE BUILDING IS THE RESPONSIBILITY OF THE

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

BUILDING DESIGNER PER

ALPINE



SPACING

24.0"

JRFF- 1T408228Z03

S. CENSE COMY	L FL/-/4/-/-/R/	-/-/R/-	Scale =.3125"/Ft.
y6.59687	TC LL	20.0 PSF	REF R8228- 70697
*	TC DL	10.0 PSF	DATE 02/09/07
STATE OF SEMAN	BC DL	10.0 PSF	DRW HCUSR8228 07040100
S CORRECTION	BC LL	0.0 PSF	HC-ENG TCE/AF
A PART TO A PART OF THE PARTY O	TOT.LD.	40.0 PSF	SEQN- 20277
eb 09 '07	DUR.FAC.	1.25	FROM JFB
	CONTRACTOR STATES OF THE STATE	2000/20 ATTAKE	

Wind reactions based on MWFRS pressures

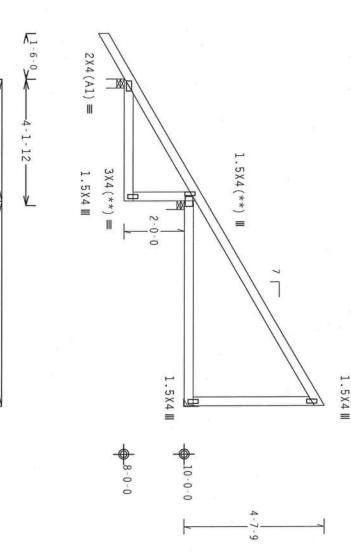
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

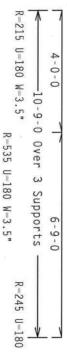
(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Right end vertical not exposed to wind pressure.

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





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

PLT TYP.

Wave

A PROPERLY ATTACHED RIGID CEILING REFER TO BCSI ( E EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, MODERN SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, ZIB MODERN SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, ZIB CADOO TRUSS COUNCIL OF AMERICA, 6200 CATAON FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS

\*\*IMPORTANI\*\*\*QURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BGG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN; ANY FALLURE TO BUILD THE TRUSS IN COMPORMANCE WITH FPI: OR FABRICATING, NANDLING, SHEPPING, HASTALLING & BRACHER OF TRUSSES.

DESIGN COMPORES WITH APPLICABLE PROVISIONS OF RNDS (MATIONAL DESIGN ESPEC, BY AFRAM) AND TPI.

DESIGN COMPORES WITH APPLICABLE PROVISIONS OF RNDS (MATIONAL DESIGN ESPEC, BY AFRAM) AND TPI.

DESIGN COMPORES WITH APPLICABLE PROVISIONS OF RNDS (MATIONAL DESIGN ESPEC, BY AFRAM) AND TPI.

DESIGN COMPORES WITH APPLICABLE PROVISIONS OF RNDS (MATIONAL DESIGN ESPEC, BY AFRAM) AND TPI. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWI ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE DESIGN SPEC. BY AFAPA) AND TPI. ITW BCG
3 GRADE 40/60 (W. K/H.SS) GALV. STEEL. APPLY
ON THIS DESIGN. POSITION PER DRAWINGS 160A-Z

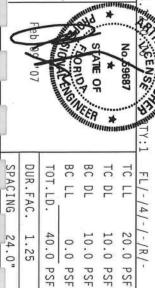
THE RESPONSIBILITY OF SEAL ON THIS

Haines City, FL 33844

FL Carificate City, FL 37izatic Prizatic Pr

BUILDING DESIGNER PER

ALPINE



PSF PSF

HC-ENG

TCE/AF 20281

DRW HCUSR8228 07040101

FROM SEQN-

JREF -

1T408228Z03

REF

Scale =.3125"/Ft. R8228- 70698

DATE

02/09/07

Wind reactions based on MWFRS pressures

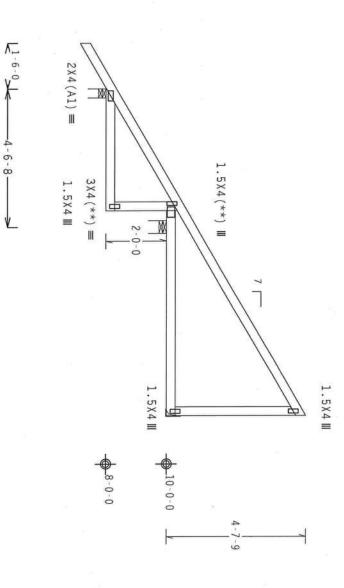
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

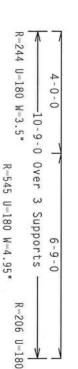
(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Right end vertical not exposed to wind pressure.

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





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

PLT TYP.

Wave

REFER TO BCSI (BUILDING COMPONEN
MORTH LEE STREET, SUITE 312, ALEXA
ENTERPRISE LANE, MADISON, NI 537
OTHERNISE INDICATED TOD CHORD SHAL
A PROPERLY ATTACHED RIGID CEILING. RIGUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
LDING COMPORENT SAFETY IMPORATION; DUBLISHED BY THE CHRUSS PARET INSTITUTE, 218
ITE 312, ALEANDRIA, NA, 22314) AND WICA (MODO TRUSS COMMICE OF MACRICAL, 6300
ITES 312, ALEANDRIA, NA, 22314) AND WICA (MODO TRUSS COMMICE OF MACRICAL).
ISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERORHING THEST FUNCTIONS. UNLESS
TOP CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURE APARELS AND BOTTOM CHORD SHALL HAVE

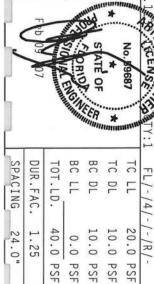
\*\*IMPORTANT\*\* CHRISTIA, A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BGG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH PPI: ON FARMICATING, MANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPORES WITH APPLICABLE PROPYSIONS OF HOS (MAITONAL DESIGN ESPEC, BY AFEPA) AND TPI. CONNECTOR PLATES ARE MODE OF ZO/BAJORA (M. HASEA). ASTH MOSS GRADE 40/500 (M. K.M. S.) GALY. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UI ANY INSPECTION OF PLATES FOLLOWED BY INGS 160A

ITW Building Components Group, Inc. Haines City, FL 33844 'ificate' nizatic

BUILDING DESIGNER PER DRAWING INDICATES ALPINE

IS THE RESPONSIBILITY OF THE



PSF PSF

> HC-ENG TCE/AF DRW HCUSR8228 07040102

20285

JREF -FROM SEQN-

1T408228Z03

DATE REF

02/09/07

Scale = .3125"/Ft. R8228- 70699

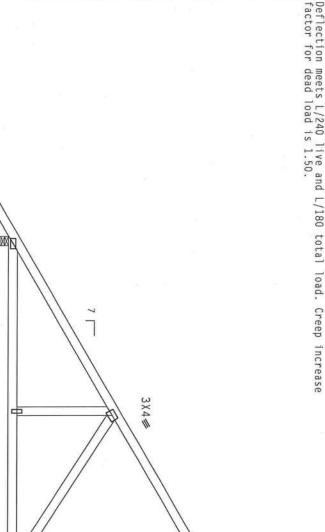
Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 :Rt Bearing Leg 2x4 SP #3:

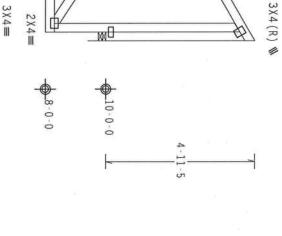
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

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

Wind reactions based on MWFRS pressures

Right end vertical not exposed to wind pressure





V-6-0 V R=578 U=180 W=3.5" -11-3-8 Over 2 Supports R-463 U-180 W-3.5"

2X4(A1) =

1.5X4 Ⅲ

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

TYP.

Wave

OTHERWISE INDICATED TOP CHORD SHAL A PROPERLY ATTACHED RIGID CEILING. 

\*\*\*IMPORTANT\*\*\*QUANTS! A COPY OF THIS BESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS SESSION. ANY FALURE TO BUILD THE TRUSS IN COMPORMANCE WITH THIS OR FABRICATING, ANNOLING, SHEPTING, INSTALLING A BRACKE OF TRUSSES.

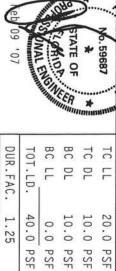
DESIGN CONFIDENCE AIR ADD TO 8 70/18/100% OF MISS (ANY ATRIAS) AND THE APPLICABLE PROVISIONS OF MIS (ANTIONAL DESIGN SPEC, MY ATRIAS) AND THIS CONNECTION PLATES ARE AND TO 70/18/100% (M.1/15/SY). ASTH AGS GRADE 40/50 (M. X/M.SS) CALV. STEEL, APPLY

ALPINE

ITW Building Components Group, Inc. Haines City, FL 33844 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWI ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE DRAWING INDICATES UNLESS OTHERWISE LOCATED AS GRADE 40/60 (W. K/M.SS) GALV. STEEL. APPLY ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z, AS OF TPIL-2002 SEC.3. SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER





REF

Scale =.3125"/Ft. R8228- 70700

DATE

02/09/07

DRW HCUSR8228 07040103

HC-ENG

TCE/AF

20292

24.0"

JREF -FROM SEQN-

1T408228Z03

JFB

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

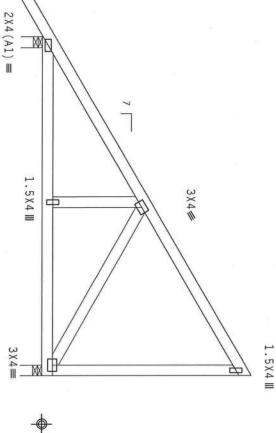
Wind reactions based on MWFRS pressures

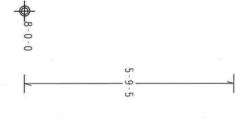
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

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

Right end vertical not exposed to wind pressure.

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







Haines City, FL 33844 ALPINE

PLT

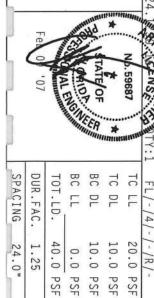
TYP.

Wave

REFER TO BOSI (BUILDING COMPONENT SAFETY INFORM HORTH LEE STREET, SUITE IZ: ALEXANDRIA, VA, 223-ENTERPRISE LAME, MADISON, HI 52719) FOR SAFETY OTHERMISE INDICATED FOR CHORD SHALL HAVE PROPERLY A PROPERLY ATTACHED HIGHD CELLING. "\*\*\*AARNING\*\* RUSSIS REQUIRE EXTREME CARE IN FABRICATION, DHANDLING THE PHYTHE, INSTALLING AND BRACING.
REFER TO BESS GUILDING GOMEONERY SERVETY MISCRAFT ON THE AUGUST OF THE TRUSS COUNCIL OF AMERICA.
MORTH LEE STREET, SUITE 312, ALEXANDRIA, "A., 22314) AND MICK, MODO TRUSS COUNCIL OF AMERICA.
MOSON
MERMISS INDICATED TOP CHOOL SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARENTHA THESE TUNCTIONS. UNIFICATIONS. THE AUGUSTAL HAVE TO A TRUSS OF THE STRUCTURAL PARENTHA THE TOP CHOOL SMALL HAVE

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

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH TP: OR FARRICATIO, AND LOUGH, SHIPPIG, INSTALLIG & BRACING OF TRUSSES, BY ATRA) AND TP: ITW BCG DESIGN COMPORNS HITH APPLICABLE PROVISIONS OF DNS (MATIONAL DESIGN SPEC, BY ATRA) AND TP: ITW BCG CONNECTOR PALARS ARE MADE OF ZO/DRJEGAM, CHAISSNY) ASTR AGES GRADE 40/60 (M. K/H.SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERMISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SULFABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



PSF

20295

HC-ENG TCE/AF

DRW HCUSR8228 07040108

JREF -FROM SEQN-

1T408228Z03

JFB

DATE REF

02/09/07

Scale = .375"/Ft. R8228- 70701

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

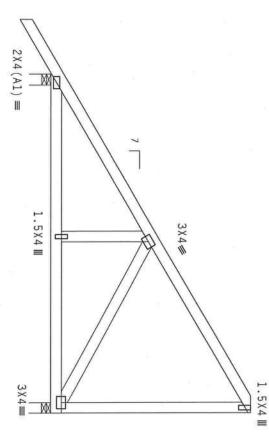
Wind reactions based on MWFRS pressures

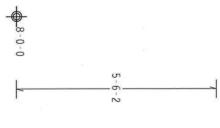
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

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

Right end vertical not exposed to wind pressure

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







\*WARNING\*\* TRUSSES REQUIRE E REFER TO BCS1 (BUILDING COMPO NORTH LEE STREET, SUITE 312, AL Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

PLT TYP.

Wave

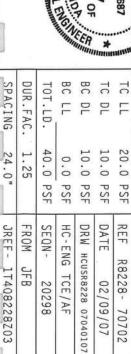
A PROPERLY ATTACHED RIGID CEILING.

Haines City, FL 33844
FL Conflicate of Authorization 44 507 \*\*IMPORTANT\*\* FORMISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, FOR FARILE FOR MAY DEVIATION FROM THIS DESIGN, FOR FAREACTING, MANDLING, SHEPPING, HISTALLING & BRACHNO OF TRUSSES, DESIGN COMPOREM HITH APPLICABLE PROVISIONS OF AND (MATIONAL DESIGN SECC. BY AFEA) AND TOT. ITH BCG COMPOREM HITH APPLICABLE PROVISIONS OF AND SHEET STORMED ON THIS DESIGN, POSITION PER DRAWHMS 1604-Z. PARTES TO EACH FACE OF TRUSS AND. UNLESS OTHERSISE LOCATED ON THIS DESIGN, POSITION PER DRAWHMS 1604-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF TRIL-2002 SEC. 3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DRAHIMO INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING DESIGNEE PER ANSI/FPI 1 SEC. 2.

BUILDING DESIGNER PER ANS

ALPINE





TCE/AF

20298

02/09/07

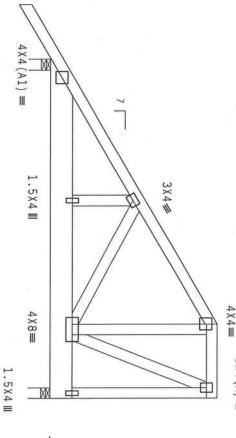
Scale = .375"/Ft.

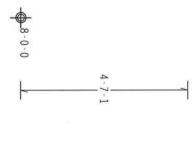
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. Top chord 2x4 SP #2 Dense Bot chord 2x8 SP #1 Dense Webs 2x4 SP #3 SPECIAL LOADS ---- (LUMBER DUR.FAC.=1.25 / PLATE From 63 PLF at -1.50 to From 5 PLF at -1.50 to From 20 PLF at 0.00 to 321 LB Conc. Load at 7.31 456 LB Conc. Load at 7.25 PLATE TE DUR.FAC.=1.25)
63 PLF at 9.29
5 PLF at 0.00
20 PLF at 9.29

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.

Right end vertical not exposed to wind pressure.

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





3 X 4 (R)



\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS! (GUILDING COMPONINT SAFETY INFORMATION), PUBLISHED BY TPT (CHRISS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (ADOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORMING THESE TUNCTIONS, UNLESS OTHERHISE HOLDSCARED TOP COMOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE Cq/RT=1.00(1.25)/10(0)

Design Crit: TPI-2002(STD)/FBC

JE WSE

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

Scale = .375"/Ft.

TYP.

Wave

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BEGG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH TPI: OR FARRICATHOR, HANDLING, SHIPPING, HISTALLING A BRACING OF TRUSSES, DESIGN COMPORED, THE ADDRESS OF THE ADDRESS OF TRUSSES, DESIGN COMPORED, THE ADDRESS OF TRUSS AND THE ADDRESS OF TRUSS OF TRUSS OF TRUSS OF TRUSS ADDRESS OF TRUSS OF TRUSS OF TRUSS AND THE ADDRESS OF TRUSS AND THE ADDRESS OF TRUST ADDRESS OF TRUSS OF TRUSS

Ft Confficate of Authorization # 567

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

ALPINE



SPA	DUF	T01	ВС	ВС	TC	TC LL
SPACING	DUR.FAC.	TOT.LD.	BC LL	DL	DL	
SEE ABOVE	. 1.25	40.0 PSF	0.0	10.0	10.0	20.0 PSF
VΕ		PSF	PSF	PSF	PSF	PSF
JREF-	FROM	SEQN-	HC-EN	DRW H	DATE	REF
JREF- 1T408228Z03	JFB	89514	HC-ENG TCE/AF	DRW HCUSR8228 07040106	02/09/07	R8228-
28203		4 REV	F	07040106	9/07	70703

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

Wind reactions based on MWFRS pressures

Truss spaced at 24.0" OC designed to support  $1\mbox{-}0\mbox{-}0$  top chord outlookers. Cladding load shall not exceed 2.50 PSF. Top chord must not be cut or notched.

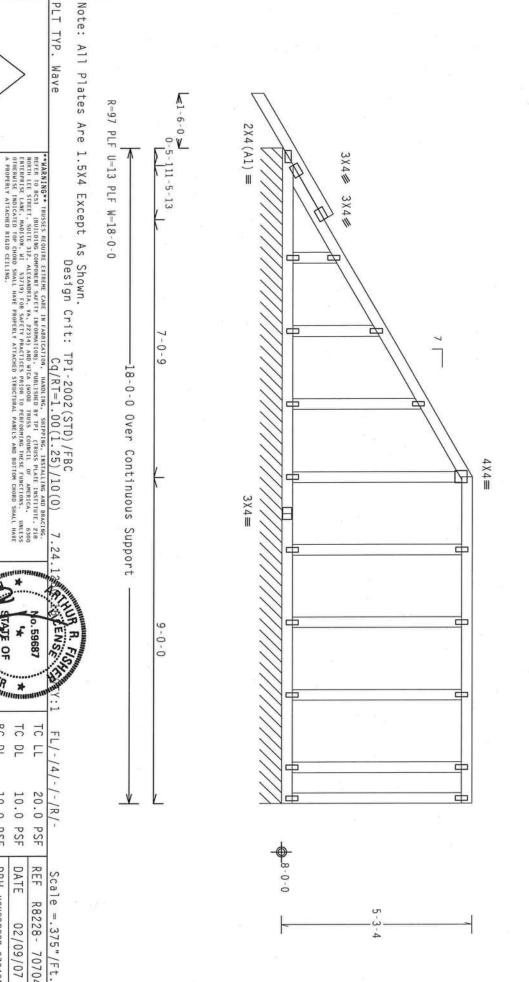
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

Right end vertical not exposed to wind pressure

See DWGS Al1015EE1106 & GBLLETIN1106 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.



Haines City, FL 33844
FL Conflicate of Authorization # 503

DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI I SEC

ALPINE

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG. INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, FOR FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH TPI: OR FABRICATHO. HANDLIG, SHEPPING, HISTALLING A BRACING OF TRUSSES. DESIGN CONTROLATION. HANDLIG, SHEPPING, HISTALLING A BRACING OF TRUSSES. DESIGN CONTROLATION. HANDLIGHE PROVISIONS OF BDS. (MATIONAL DESIGN SECC. BY AFREN) AND TPI. IT BCG CONNECTOR PLATES ARE HANDE OF 70/18/16(36, (H.H.YSS/K), ASTM A653 GRADE 40/60 (W. K/M.SS) GALY. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERHISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE FER ANNEX AS OF FFIL-7002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SULTABLILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

o. 59687

TC LL

REF

R8228- 70704

DATE

02/09/07

ATE OF

BC LL BC DL TC DL

0.0 PSF PSF

> HC-ENG TCE/AF DRW HCUSR8228 07040116

10.0 PSF 10.0 PSF 20.0 PSF

DUR.FAC.

FROM SEQN-

JFB

20378

TOT.LD.

40.0

SPACING

SEE ABOVE

JREF -

1T408228Z03

SPACING

24.0"

JREF -

1T408228Z03

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

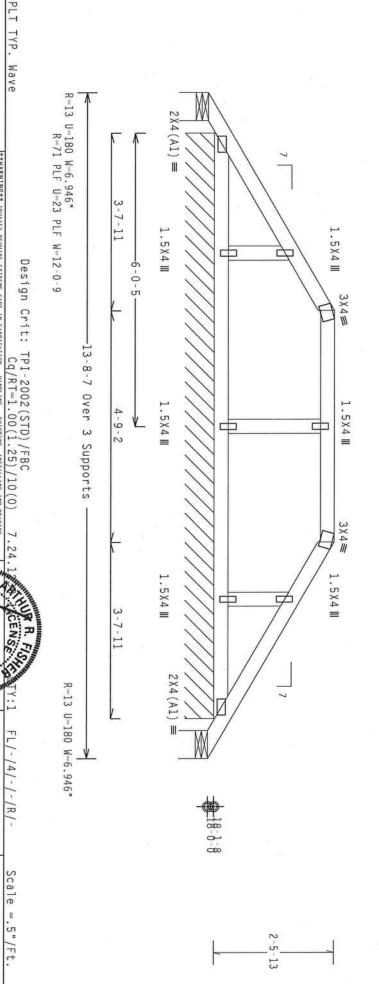
Wind reactions based on MWFRS pressures

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

110 mph wind, 19.30 ft mean hgt, located within 4.50 ft from roof DL=5.0 psf, wind BC DL=1.2 psf. ASCE 7-02, CLOSED bldg, not edge, CAT II, EXP B, wind TC

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

Refer to Dwg PIGBACKAI106 or PIGBACKB1106 for details. Portion of truss under piggyback is braced @ 24" oc unless otherwise specified. piggyback to be



Haines City, FL 33844

The mifficate of Anthorization

ALPINE

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH 8GG, INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN, WAY FAILURE TO BUILD THE TRUSS IN COMPORNANCE WITH TPI: OR FARBICATION, HANDLING, SHIPPIDE, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFKPA) AND TPI: ITH BGG CONNECTOR PLATES ARE MADE OF ZO/IBJ/SGA (M.H/SS/K) ASIN A653 GRANDE 40/J60 (M. K/H.SS) GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND. MULESS OTHERNISE (COATHED ON THIS DESIGN, POSITION PER DRAMINGS 160A-Z. AND AND ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII: ZOOZ SEC.3. A SEAL ON THIS

ONAL ENGINEERING

BC LL BC DL TC DL TC LL

0.0 2.0 PSF PSF PSF

HC-ENG

TCE/AF

20238

DRW HCUSR8228 07040118

32.0

STATE OF

\*

10.0 PSF 20.0 PSF

DATE REF

02/09/07

R8228- 70706

No. 59687

ANY THIS PECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSION THE SUITABLILITY AND USE OF THIS COMPONENT FOR BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TP11-2002 SEC.3. A SEAL ON THIS BILITY SOLELY FOR THE TRUSS COMPONENT BUILDING IS THE RESPONSIBILITY OF THE

.07

SPACING DUR.FAC. TOT.LD.

24.0" 1.25

JREF -FROM SEQN-

1T408228Z03

A PROPERLY ATTACHED RIGID CEILING.

# CLB WEB BRACE SUBSTITUTION

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

#### NOTES:

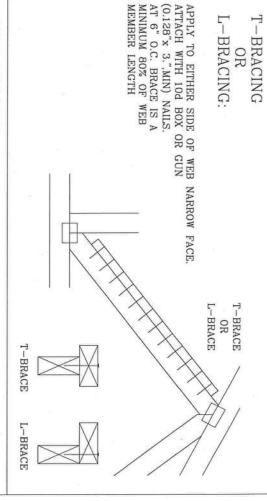
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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

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

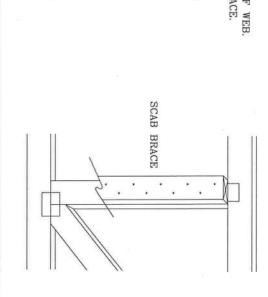
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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



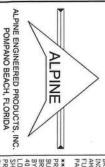
### SCAB BRACING:

(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
S DRAWING
G REPLACES
DR.
AWING 579
579,640

AND DESCRIPTION OF THE PARTY OF	Feb. LORIONAL ENGIN	A SAIL OF	*	2 26687	CENS S	UR R. FIC
DUR. FAC.	TOT. LD.	BC LL	BC DL	TC DL	TC LL	THIS I
	PSF	PSF	PSF	PSF	PSF	DRAWING RE
		-ENG	DRWG	DATE	REF	PLACES
		MLH/KAR	BRCLBSUB1106	11/1/06	CLB SUBST.	THIS DRAWING REPLACES DRAWING 579,640



\*\*\*VARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACKING. REFER TO BESI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NURTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22314) AND VTCA (VUDD TRUSS COUNCIL ID AMERICA, 6300 ENTERPRISE LN, MADISON, VI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS DHEWLISE INUCATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL

\*\*MYPORTANI\*\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & RACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ANS CHAITCHAL DESIGN SPEC, BY AFRENA AND TPI, ALPINE CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE OLOGATED ON THIS DESIGN, POSITION APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SHALL BE PER ANNEX AS OF TPI 1–2002 SEC. 3. A SEAL ON THIS DRAVING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERANCE ACCEPTANCE OF THE ANNEX AS OF TPI 1–2002 SEC. 3. A SEAL ON THIS DRAVING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERANCE OF THIS COMPONENT DESIGN ASSOCIATION OF THE BUILDING SECONDARY OF THE BUILDING SECON

## BOTTOM CHORL FILLER DETAI

OR VERTICAL MEMBER MUST COINCIDE WITH BEARING LOCATION. SIZES (1X3 WAVE) MAY BE USED IF BEARING IS OMITTED. WEDGE OPTIONAL INTERIOR OR CANTILEVER BEARING. MINIMUM PLATE

NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS. FOR TRULOX PLATE ATTACHMENT. 0.120" X 1.375", NAILS, REQUIRED

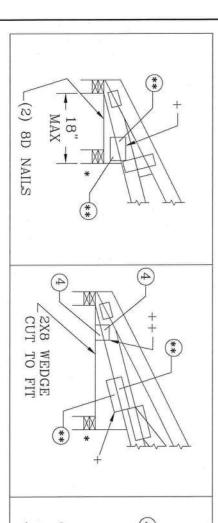
> 3X4 WAVE OR 4X8 TRULOX

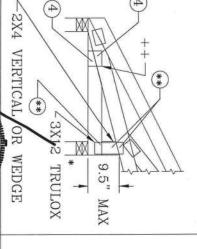
++ 2X4 WAVE OR 3X6 TRULOX

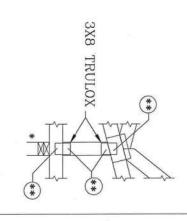
SHOWN DETAIL TO ENGINEER'S SEALED DESIGN REFERENCING THIS FOR LUMBER, PLATES, AND OTHER INFORMATION NOT

MAY BE REQUIRED TO ACCOMODATE REQUIRED NAILS (\*\*) TRULOX PLATES SHOWN ARE MINIMUMS. LARGER PLATES

FILLER BOTTOM CHORD	MAXIMUM REACTION	EACTION	MINIMIM	** REQUIRED	NAILS PE	R FACE WITH	I TRULOX P	LATES
OR WEDGE SPECIES	DOWNWARD	UPLIFT	BEARING AREA 1.00 D.O.L. 1.15	1.00 D.O.L.	1.15 D.O.L.	1.25 D.O.L. 1.33	D.O.L.	1.60 D.O.L.
DOUGLAS FIR-LARCH	3281#	1656#	1.5" X 3.5"	12	11	10	9	8
HEM-FIR	2126#	1095#	1.5" X 3.5"	9	8	7	7	9
SPRUCE-PINE-FIR	2231#	1192#	1.5" X 3.5"	10	9	8	8	9
SOUTHERN PINE DENSE	3465#	1791#	1.5" X 3.5"	12	11	10	9	8
SOUTHERN PINE	2966#	1492#	1.5" X 3.5"	10	9	8	8	7
SOUTHERN PINE NON-DENSE	2520#	1343#	1.5" X 3.5"	9	8	7	7	6



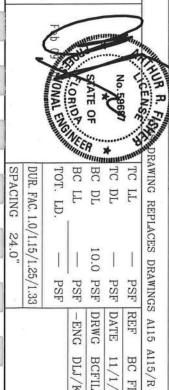




\*\*AVARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BESS (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TP! CTRUSS PLATE INSTITUTE, 218 NURTH LEE STR, SUITE 312, ALEXANDRIA, VA. 22314) AND VICA (VAUDO TRUSS COLUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VI 53719; FOR SAFETY PRACTICES PRIGR TO PEFFICHMING THESE FUNCTIONS. UNLESS DITERVISE NUTCHAELD FORDS SHALL HAVE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED RIGID CEILING.

ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA \*\*IMPORTANI\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESONNIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMACE WITH PIJ OR FARRICATING, HANDLING, SHPPING, INSTALLING SPEC, BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL) DESIGN SPEC, BY AFRADA AND TPI, ALPINE CONNECTIOR PLATES ARE MADE OF 2018/1664 AV. ASYN ASS GRADE HOUGHT OF MILESS OF TRUSS AND UNLESS OTHERWISE OF ACKED FAND. AND TPI, ALPINE CONNECTION PER DEAVINGS 166A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAVING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI I SEC. 2.

ALPINE



J. D.	DUR	ONAL ENGINEE TOT. LD.	BC NEW BC	TE OF PRIM BC	TC TC	TC TC
SPACING 24 0"	DUR. FAC. 1.0/1.15/1.25/1.33	TOT. LD.	F	DL	CDL	H
04 0"	1.15/1.25/	  -	ا ا	10.0 P	  -	  P
×	1.33	PSF	PSF	HS.	PSF	R
			-ENG	10.0 PSF DRWG	DATE	PSF REF
			-ENG DLJ/KAR	BCFILLER1	11/1/06	BC FILLER

106

& 884,132

#### ASCE ~ -02: 110 MPH WIND SPEED, 15 MEAN HEIGHT, ENCLOSED, 1.00, EXPOSURE 0

#1 / #2 STANDARD
#3 STUD

#3

STANDARD

HEM-FIR STUD

BRACING GROUP SPECIES

AND

GRADES:

GROUP

A:

DOUGLAS FIR-LARCH

SOUTHERN PINE #3 STUD

STANDARD

STANDARD #3

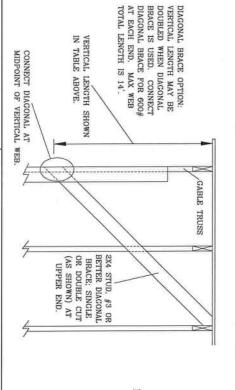
GROUP

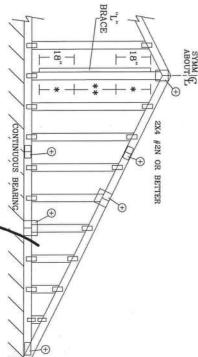
B

#1 & BTR #1

HEM-FIR

1	2	," V	2	0	). TH	7.	2		1	6	,, C.		0	.( 	C. 071	2		2	4	,,	)	0	. ( — ЦП	CONTRACT		SPACING SPECIES	CABLE VERTICAL
STANDARD	#3	#2	#1	STANDARD	STUD	#3	7 #1 / #2	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	コ #1 / #2	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	7 #1 / #2	S GRADE	BRACE
4' 11"	1	-	5' 4"	4' 9"	4' 9"	4. 9.	4' 11"	4' 5"	4' 6"	4' 6"	4' 9"	4' 10"	4' 4"	4' 4"		4' 5"	3' 10"	4' 0"	4' 0"	4' 2"	4 3"	3' 9"	3' 9"	3' 9"	3' 10"	BRACES	O
7,0	1		1	7' 3"	8, 5,"	8, 5,	8, 5,	6' 5"	7' 6"	7' 7"	7' 8"	7' 8"	6' 4"	7' 4"	7' 4"	7' 8"	5' 3"	6' 1"	6' 2"	6'8"	6' 8"	5' 2"	6'0"	6' 0"	6' 8"	GROUP A	(1) 1X4 "
~i o	1	1		7' 3"	8' 5"	1	8' 8"	6' 5"	7' 6"	7' 7"	8' 3"	8' 3"	6' 4"	7' 4"		7' 10"	5' 3"	6' 1"	6' 2"	7' 2"	7' 2"	5, 5,	6' 0"	6' 0"	6' 10"	GROUP B	"L" BRACE .
9' 10"				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 "
9' 10"		1	10' 9"	9' 7"	10' 0"	10' 0"	10' 3"	8' 6"	9' 6"	9' 6"	9' 9"	9' 9"	8, 4,	9' 1"	9' 1"	9' 4"	6' 11"	8' 0"	8' 1"	8' 6"	8' 6"	6' 9"	7' 11"	7' 11"	8' 1"	GROUP B	"L" BRACE .
1, 1			11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	9' 4"	9' 5"	9' 5"	9' 5"	9' 5"	9' 1"	9' 5"	9' 5"	9' 5"	GROUP A	(2) 2X4
12' 3"	313			11' 11"	11' 11"	11' 11"	12' 3"	11' 1"	11' 4"	11' 4"	11' 8"	11' 8"	10' 10"	10' 10"	10' 10"	11' 1"	9' 4"	9' 11"		10' 2"	10' 2"	9' 1"	9' 5"	9' 5"	9' 8"	GROUP B	"L" BRACE **
14 0"	14.0			14' 0"																			12' 3"			GROUP A	(1) 2X6
14 0"		14' 0"					14' 0"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	12' 11"	14' 0"	14' 0"	14' 0"	10' 10"	12' 6"	12' 8"	13' 5"	13' 5"	10' 7"	12' 3"	1	12' 9"	GROUP B	"L" BRACE .
14' 0"		14 0"												14' 0"			14′0"			14' 0"	14' 0"		14' 0"	14' 0"	14' 0"	GROUP A	(2) 2X6
14 0		L	14' 0'	14' 0"	1	14' 0'	14' 0"	14' 0'		14' 0"			14' 0"			11111			14' 0"	14' 0"		- 5	14' 0"	14' 0"	14' 0'	GROUP	"L" BRACE





BLE TRUSS DETAIL N
--------------------

GAI

SOUTHERN PINE

DOUGLAS FIR-LARCH

#2

#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. OUTLOOKERS WITH 2' O" OVERHANG, OR 12' PLYWOOD OVERHANG.

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

MEMBER LENGTH.

BRACING MUST BE A MINIMUM OF 80% OF WEB

REFER TO COMMON TRUSS DESIGN FOR	REATER THAN 11' 6	REATER THAN 4' O", BUT LESS THAN 11' 6"	ESS THAN 4' 0"	VERTICAL LENGTH	GABLE VERTICAL PLATE SIZES
N TRUSS	6"	o", BUT		H	L PLATI
DESIGN FOR	2.5X4	2X4	1X4 OR 2X3	NO SPLICE	E SIZES

2 2 5

PEAK.

SPLICE,

AND HEEL PLATES.

HUB R FION LORIOF CENSE TATE OF ENGINEER \* MAX. MAX. TOT. SPACING LD. 60 24.0" PSF DRWG DATE REF 11/1/06 ASCE7-02-GAB11015

\*\*MYMORITANI\*\* FURNISH COMP OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFERMANCE WITH TPI, OR FABRICATING, HANDLING, SHPPING, INSTALLING SPEC, BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS CHATIONAL DESIGN SPEC, BY AFRAYA AND TPI, ALPINE CONNECTIOR PLATES ARE MADE OF 2018/1654 CM-MXXXX ASTH A653 GRADE A0/60 CM-X/HXSS) GALV, STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS DITHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAVINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAVING INDICATES ACCEPTANCE OF PROPESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUIT ABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI I SEC. 2. \*\*\*AVARNING\*\* TRUSSES REDUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BOSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI CTRUSS PLATE INSTITUTE, 218 NURTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22314) AND VTCA "AUDIO TRUSS COLUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VI 53719, FOR SAFETY PRACTICES PRIDE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED. TO FURD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE FOR DEFRAY ATTACHED RIGID CEILING.

REFER TO CHART ABOVE FOR MAX G

BLE VERTICAL

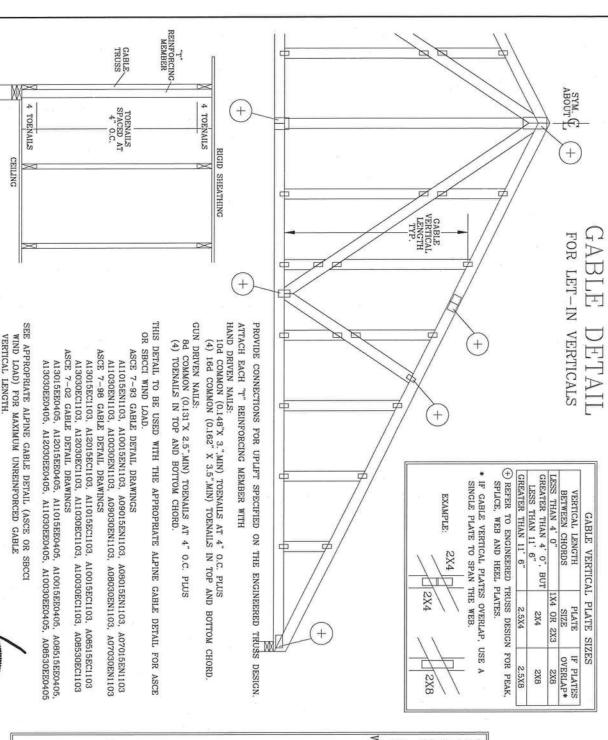
LENGTH

ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA

ALPINE

eb

A11015EE1106



TOENAIL 2X4 "T" REINFORCING MEMBER 2X6 "T" REINFORCING MEMBER

TOENAIL

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

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

WEB LENGTH INCREASE W/ BRACE

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

EXAMPLE:

GABLE VERTICAL = 24" O.C. SP #3 MEAN ROOF HEIGHT = 30 FT ASCE WIND SPEED = 100 MPH "T" REINFORCING MEMBER SIZE = 2X4

"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10 (1) 2X4 "L" BRACE LENGTH = 6' 7" MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

1.10 x 6' 7"

REPLACES DRAWINGS GAB98117 876,719 & HC26294035

MAX				
TOT.				
LD.				
60				
PSF				
	-ENG	DRWG	DATE	REF
	DLJ/KAR	GBLLETIN110	11/1/06	LET-IN VERT
	MAX TOT. LD. 60 PSF	MAX TOT. LD. 60 PSF	LD. 60 PSF	LD. 60 PSF

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHEPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING CDMPDNENT SAFETY INCRMATIDN), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 28314) AND WITCA (AVOID TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VII 53719) FOR SAFETY PARACTICES PRIOR TIO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARACTICS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARACLES AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANI\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESONNIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHPPING, INSTALLING SECONDATIONAL DESIGN SPEC, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL, DESIGN SPEC, BY AFRADA AND TPI, ALPINE CONNECTION PLATES ARE MADE OF 2018/1664 AV MYSSEX/DASTM AGS3 GRADE CONFORD ON THIS DESIGN, PISTITION PER BRAYINGS 166A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI 1-2002 SEC, 3. A SEAL ON THIS DRAVING INDICATES ACCEPTANCE OF SPROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI I SEC, 2.

ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA

ALPINE

THE RESE CENSE No. 59687 FREINER \*

MAX SPACING

24.0

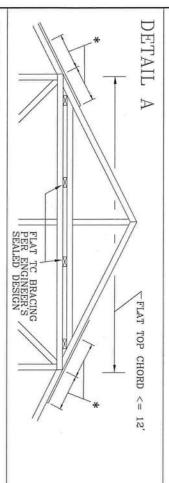
# PIGGYBACK

LOCATED WIND TC I WIND, 30.00 FT MEAN HGT, ASCE 7-02, ANYWHERE IN ROOF, CAT II, EXP C, DL=5.0 PSF, WIND BC DL=5.0 PSF. CLOSED BLDG,

80 MPH WIND, 30.00 FT MEAN HGT, SBC, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

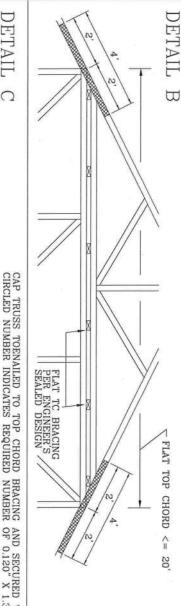
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS. TRUSSES MUST BE ADEQUATLY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE

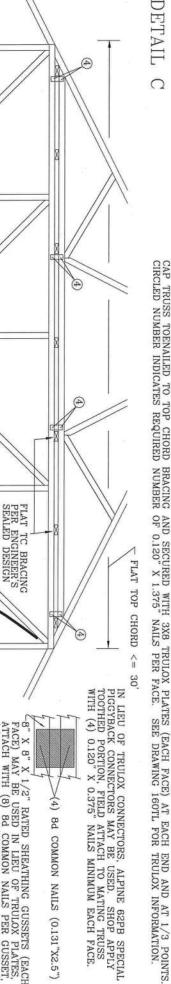


PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

12" MIN RIGID OR GUN NAILS SHEATHING OVERLAP WITH 8d COMMON IN OVERLAP ZONE SPACED AT 4" O.C. (0.131"x2.5")



PIGGYBACK CAP TRUSS TOENAILED TO A CHORD BRACING WITH (2) 10d COMMON SECURED WITH 2X4 #3 GRADE SCAB (1 ATTACHED WITH 10d COMMON NAILS AT O ALL TOP ON (0.148"X3") (1 SIDE ONLY) AT 4" O.C.



IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIPIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE. ALPINE 62PB SPECIAL USED. SHOP APPLY

8d COMMON NAILS (0.131"X2.5")

C8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) Bd COMMON NAILS PER GUSSET, (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

ALPINE ENGINEERED PRODUCTS, INC POMPANO BEACH, FLORIDA	1	ALPINE	>
DA INC.	V		20102

\*\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FARRICATING, HANDLING, SHEPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INSTRUMENTION), PUBLISHED BY FPI (TRUSS CHOURL DE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (VOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE IN, MADISIN, WI 53759 FOR SAFETY PRACTICES PRIDR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL

BC TC TOT. DUR. FAC. TC DL SPACING E DL LD. MAX 24.0 1.15 60 PSF PSF PSF PSF PSF DATE REF DRWG -ENG PIGBACKA1106 DLJ/KAR 11/1/06 PIGGYBACK

TOP CHORD CHORD WEBS 2X4 2X4 2X4 非非常 OR BETTER BETTER BETTER

# PIGGYBACK DETAII

REFER TO SEALED DESIGN FOR DASHED PLATES

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER. SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. TRUSS TOP CHORD WITH 1.5X3 PLATE. ATTACH VERTICAL WEBS TO

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS: BLDG,

130 MPH LOCATED WIND TC WIND, 30' MEAN HGT, ASCE 7-02, CLOSED ANYWHERE IN ROOF, CAT II, EXP C, DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E,\*) PLATES
PLATES AS LONG AS BOTH I 110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF FACES MAY BE OFFSET FROM BACK FACE FACES ARE SPACED 4' OC MAX.

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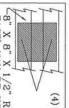
MAX SIZE OF 2X12 #2 OR BETTER

FLAT TOP CHORD MAX SPAN

LOCATION IS ACCEPTABLE

SPLICE

130 MPH WIND, 30' MEAN HGT BLDG, LOCATED ANYWHERE IN WIND TC DL=5 PSF, WIND BC ATTACH WITH PER GUSSET. 4 IN CAP BC (8) AND 4



6d BOX (0.099"X 2.",MIN) NAILS.

SPANS

UP

TO

∠8" X 8" X 1/2" FACE) MAY BE " RATED USED IN RATED SHEATHING GUSSETS (EACH USED IN LIEU OF TRULOX PLATES, 6d BOX (0.099"X 2.",MIN) NAILS

Z BASE TRUSS FLAT

TC.

TYPE D 0 D H B 4X6 2X4 5X4 .5X3 4X6 30 OR 3X6 TI 2.5X4 .5X4 5X5 5X6 34 TRULOX AT 4'D VERTICALLY 2.5X4 1.5X4 5X5 5X6 38 1.5X4 5X6 5X6 3X5 52 00,

GT, ASCE 7-98, N ROOF, CAT II, C DL=5 PSF . CLOSED

OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION. ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH

	10' TO 14'	7'9" TO	0' TO 7'	WEB LENGTH	
* PIGGYBACK SPECIAL PLATE	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135"X 3.5",MIN) NAILS AT 4" OC.	7'9" TO 10' MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113"X 2.5",MIN) NAILS AT 4" OC.	O' TO 7'9" NO BRACING	TH REQUIRED BRACING	WEB BRACING CHART

## \* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.

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YBACK & 847,045

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SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2:	40/60 (W.K./H.SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED DN THIS DESIGN, POSSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (D) SHALL BE PER ANNEX AS OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE	BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFRRA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/1664 (W.H/SS/X) ASTM A653 GRADE	PRODUCTS, INC. SHALL ROT BE RESPONSIBLE FOR ANY DEVIATION FORM THE DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING &	PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.	AMERICA, 630 CHIERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS: (BUILDING COMPONENT SAFTY) INFORMATION, PUBLISHED BY TO ICRUSS PLATE INSTALLING NORTH JEE STE SUITE SIE A VONDEN AND AND AND AND AND AND AND AND AND AN	H PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.
	SONAL ENG	WORLDS NE	STATE OF CO	*	No. 59687	A Sold Sold Sold Sold Sold Sold Sold Sold	WAS STATES
SPACING	_	-	Mann.	muni	HITTERS	TELL	NG RE
DNI	47 PSF AT 1.15 DUR. FAC.	.63.	50 PSF	.33	55 PSF AT	MAX LOADING	PLACE
N	PSF )UR.	JOR.	PSF	JUR.	PSF	LOAL	S DR
24.0"	AT FAC.	rAC.	AT	FAC.	AT	ING	AWINGS
			-ENG	DRWG	DATE	REF	634,016 6
			-ENG DLJ/KAR	PIGBACKE	11/1/06	PIGGYBA	NG REPLACES DRAWINGS 634,016 634,017 & 8

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MAX C

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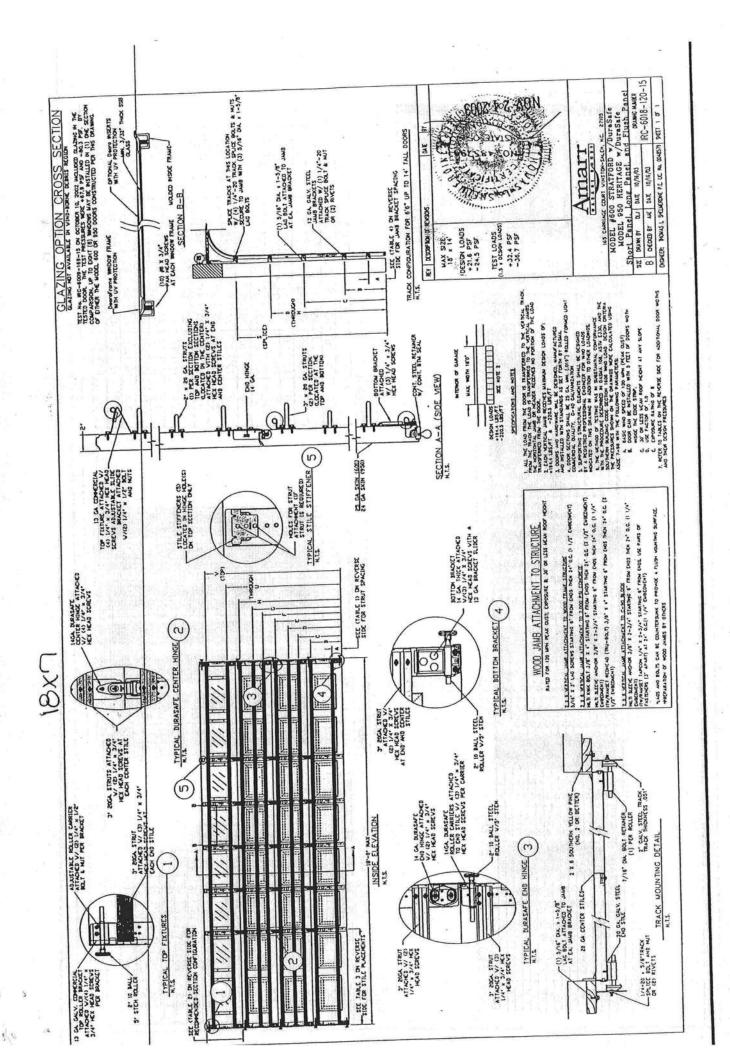
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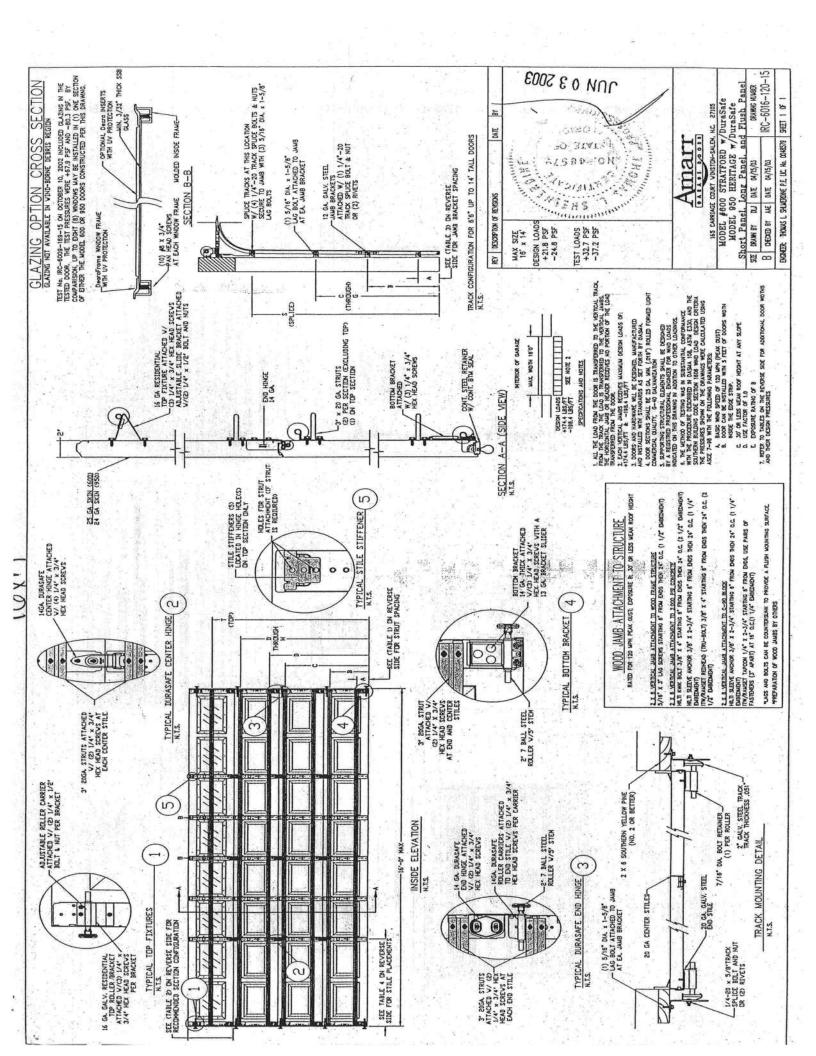
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Building lysrection Division Jax. 12 OA DAUN STRUITUMEN TICHNE BY DANNINGER ATTACKETS REVIEWED FOR ATTACKETS WE SOUTHER GOMPLIANCE OR (2) RIVETS REEF THIS PLAN ON JOB GLASS THICK SSB TIRC-6009-120-15 JUN 17 2003 TEST No. IRC-6809-169-15 ON OCTOBER 10, 2002 INCLUDED CACZNG IN THE CENTEND COOK. THE TEST PROSENSE WERE 467.9 PSF. WID —0.3, PSF. BY COMEARISON, IP TO FOUR (4) WINDOWS MAY BE INSTILLED IN (1) ONE SCOTION OF EITHER THE MOOLE. 600 DM 950 DOORS CONSINUCITED PER THIS DRAWING. TRACK CONFIGURATION FOR 8'6" UP TO 14" TALL BOOKS GLAZING OPTION CROSS SECTION GLAZING NOT AVAILABLE IN VIND-BIDING IDERRIS REGION MADEL ##00 STRATOR PARENT DATES A MODEL ##00 STRATORD PARENT DATES A MODEL ##00 STRATAGE W/Duresse Short Panel, Long Panel, and Flush Panel SPLICE TRACKS AT THIS LOCATION (4) 1/4"-20 TRACK SPLICE BOLTS & NUTS. SCOURE TO JAMB WITH (3) 5/15" DIA. x 1-5/8" LAG BOLTS WITH UV PROTECTION NOV 2 4 2003 DIGNEER THOUAS L SALMERDINE P.E. LIC. No. 0048579 SHEET 1 OF 1 MOLDED INSIDE FRAME DATE Amarr (1) 5/16" DIA. x 1-5/8"
LAG BOLT ATTACHED TO JAMB
AT EA. JAMB BRACKET SIE DRAWK BY DLJ DATE 05/14/03 SECTION B-B REV DESCRIPTION OF REMISIONS (10) #8 X 3/4\*
PAN HEAD SCREWS
AT EACH WINDOW FRAME Degraframe WINDOW FRAME WITH UV PROTECTION DESIGN LOADS +22.8 PSF -26.9 PSF TEST LOADS +34.2 PSF -40.4 PSF MAX SIZE 9' x 14' ALM LE LOAD FROM THE GOOD REINARDSTREED TO THE STRINGLE HANGE FROM THE THE LOAD IT PRANSTREED TO THE VERTICAL AND THE VERTICAL AND THAT PRESENTE THE LOAD IT PRANSTREED THE LOAD THAT PERSON THE COOK.

TRANSTREED THEN THE RECOVER RECOVERS NO FORTION OF THE LOAD THAT PERSON LOADS OF THE LOAD THAT IS A THEN THE VERTICAL THAT T 16 GA RESIDENTIAL
TOP FIXTURE ATTACHED V.
TON TAY \* 3.4" + HEX HEAD SCREVS
ADJUSTABLE SLIDE BRACKET ATTACHED
V/CD 1.4" \* 1.7" BOLT AND NUTS 7. REPER TO TABLES ON THE REVERSE SIDE FOR ADDITIONAL DOOR WIDTHS AND THEIR DESIGN PRESSURES. DOORS AND HARDWARE WILL BE DESCHID, UANUFACTURED
NISTALLE WITH STANDARDS AS SET FORTH BY DASMA,
DOOR SECTIONS SHALL BE 25 GA. UAN, (DIST) ROLLED FORWED LICHT
MARGIAL, GUALLY, 6-40 QULMANIZATION G WAS IN SUBSTANTIAL CONFORMANCE TOORDED IN DASAN 108, ASTH E330, AND THE SECTION 1508 WAS ULD. DESIGN CONTRIN IN THE DRAWINGS WERE CALCULATED USING (SPLICE) A. BASIC WAS SPEED OF 120 MM (PEAK DUST)
B. DOOR CAN BE RESTALLED WITH 5 PEET OF DOORS
B. DOOR CAN BE RESTALLED WITH 5 PEET OF DOORS
B. DOOR CAN BE WANNED OF BENEFIT AT ANY SLOPE
C. EXPOSSIBLE MANNED OF 8 INTERIOR OF GARAGE BOTTOM BRACKET

-ATTACHED

W/ (3) 1/4" × 3/4"

HEX HEAD SCREWS MAX, WIDTH 9'0" CONT. STEEL RETAINER CD DN TOP SECTION CD ON ALL SECTIONS EXCEPT TOP SECTIONS SPECIFICATIONS AND NOTES END HINGE SECTION A-A (SIDE VIEW) 25 GA SKIN (600) 24 GA SKIN (950) WOOD JAMB ATTACHMENT TO STRUCTURE MATED FOR 120 WHY PEAK GUST, DOPOSINE BY 30' ON LESS MEAN ROOF HEIGHT W. TANNET REDHEAD (TRU-BOLT) 3/6" X 4" STARTING 6" FROM BIOS THEN 24" D.C. (2) 2 X & MYTICAL AMB ATTACHMINT TO JODG PS CONCRETE
HITT KWK BOLT 3/F X 4 STARTING 6" FROM BIOS THEN 24" O.G. (2 1/2" DARDADITY
THE SERVE AMONG 3/F X 2-3/4" STARTING 6" FROM BIOS THEN 24" O.G. (1 1/4"
DARDADITY 2. E. SERGIA, JULI ATTACAMENT TO CASO BLOCK
WATE SERVE AMORRO JULY 2.2-1/4" STANDING "FIND BOS THEN 24" D.C. (1 1/4"
BERNANDING THEORY IVEY X 2-3/4" STANDING "FIND BOKS, USE PARTS OF
FRANCEINES (5" JOHN) AT 24" D.C.(1 1/4" DEBUNDIN) 2.X & YERICAL JAMB ATTACHMENT TO MODO FRAME STRUCTURE 5/18" X 3" LAG SCREMS STARTING 8" PROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT) BUTTON BRACKET

14 GA. THECK ATTACHED

V/G3 VAY X 304\*

HEX HEAD SCREVS VITH A

13 GA. BRACKET SLIDER PLACS AND BOLTS CAN BE COUNTERSUME TO PROVIDE A PLUSH LIQUINING SURFACE. HOLES FOR STRUT
ATTACHENT
- CSTRUT NOT SHOWN
FOR CLARITY) STILE STIFFENERS (1)
"LOCATED IN HINGE HOLE(S)
ON TOP SECTION DNLY 14GA. DURASAFE
CENTER HINGE ATTACHED
V/ (4) 1/4' × 3/4'
HEX HEAD SCREVS 2 2" 20GA STRUT ATTACHED

"V. (2) 1/4" × 3/4"

HEX HEAD SCREVS AT

CENTER STILE TYPICAL STILE STIFFENER 4 TYPICAL BOTTOM BRACKET TYPICAL DURASAFE CENTER HINGE 2 o or 00 SIDE FOR STRUT SPACING 3' 20GA STRUTS ATTACHED
V/ C2) 1/4' x 3/4'
HEX HEAD SCREVS AT
CENTER STILE 14GA. DURASAFE ROLLER CARRIERS ATTACHED TO END STILE V/ (2) 1/4' x 3/4' HEX HEAD SCREVS PER CARRIER 2' 2004, STRUT ATTACHED

V/ (2) L/4' x 3/4'
HEX HEAD SCREVS AT
EACH END STILE ADJUSTABLE ROLLER CARRIER ATTACHED V/ (2) 1/4" x 1/2" BOLT & NUT PER BRACKET 2 X 6 SOUTHERN YELLOW PINE. (NO. 2 OR BETTER) (4 <u>N</u> OPTIONAL STOP Z GALV, STEEL TRACK. TRACK THICKNESS .051 3) JA GA, DURASAFE

- END HINGE ATTACHED

V/ CD 1/4" x 3/4"

HEX HEAD SCREVS 7/16" DIA. BOLT RETAINER (1) PER ROLLER ROLLER V/5' STEM TRACK MOUNTING DETAIL INSIDE ELEVATION 5 m TYPICAL DURASAFE END HINGE SEE TABLE 4 DN REVERSE SIDE FOR STILE PLACEHENTS (1) 5/16" DIA. x 1-5/8" LAG BOLT ATTACHED TO JAMB AT EA. JAMB BRACKET 20 GA, GALV, STEEL END STILE 20 GA CENTER STILES-SEE CTABLE 2) DN REVERSE SIDE FOR RECOMMENDED SECTION CONFIGURATION [2] TYPICAL TOP FIXTURES N.T.S. Ó 0 1/4-20 × 5/8 TRACK SPLICE BOLT AND NUT DR (2) RIVETS 16 GA. GA.V. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED V/730 1.4" ×
3/4" HEX HEAD SCREUS
PER BRACKET 3' EOGA STRUT ATTACHED V/ CD. L/4' × 3/4' HEX HEAD SCREVS

Section Max Design Loads Section Allowed Must Design Loads	PSESTRGIATE   PSESTREE   PSESTR	SPLICE   F   G   H   S   S   S   S   S   S   S   S   S
	100   100	TABLE 4  DOOR  HEIGHT A B C D E F  JG 6" 10" 21" 39" 57" 72" 85"  8" 10" 21" 39" 57" 72" 85"  8" 10" 21" 39" 57" 75" 85"  9" 10" 21" 39" 57" 75" 95" 10" 51" 10" 21" 39" 57" 75" 95" 11" 51" 10" 21" 39" 57" 75" 93" 11" 51" 51" 51" 59" 11" 51" 51" 59" 11" 51" 51" 51" 59" 11" 51" 51" 51" 59" 11" 51" 51" 51" 51" 59" 11" 51" 51" 51" 51" 59" 11" 51" 51" 51" 51" 59" 11" 51" 51" 51" 51" 59" 11" 51" 51" 51" 51" 59" 11" 51" 51" 51" 51" 51" 51" 51" 51" 51
	A. C. S. P. A. C. IN G. C. B. R. C. O. B. R. C. D. R. C. B. R. R. B. B. R.	Camier Stile Locations   Center Stile
TABLE 1	DOOR	TABLE 2   SECTION HEIGHTS   Section   Secti