

DATE 05/06/2008

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000026976

APPLICANT KIMMY EDGLEY PHONE 752-0580
ADDRESS 590 SW ARLINGTON BLVD LAKE CITY FL 32025
OWNER FREDRICK & LEE ANN ELFERS PHONE 752-0580
ADDRESS 390 SW CESSNA COURT LAKE CITY FL 32025
CONTRACTOR EDGLEY CONSTRUCTION COMPANY PHONE 752-0580
LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TL ON LOCKHEED LANE, TR ON CESSNA CT., 10TH ON RIGHT, OR 3RD FROM THE END ON RIGHT
TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 179800.00
HEATED FLOOR AREA 2537.00 TOTAL AREA 3596.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING RMF-1 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 20.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 12-4S-16-02935-033 SUBDIVISION BROTHERS WELCOME AIRPARK
LOT 31 BLOCK PHASE UNIT TOTAL ACRES

000001588 RR28281136
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 08-326 BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 3898

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by
Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by
Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by
Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by
M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 900.00 CERTIFICATION FEE \$ 17.98 SURCHARGE FEE \$ 17.98
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 1035.96
INSPECTORS OFFICE CLERKS OFFICE

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

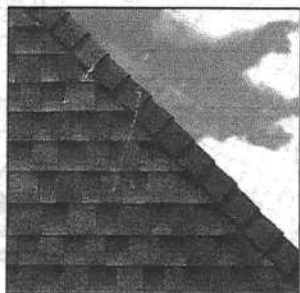
"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

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

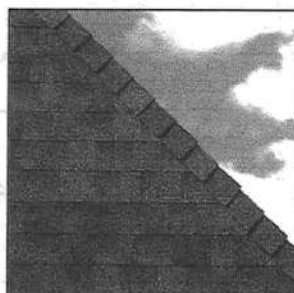
The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.



ELK ROOFING PRODUCTS SPECIFICATIONS – TUSCALOOSA, AL



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE®

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size	13¼" x 39"	50-year limited warranty period:
Exposure	5"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***
Pieces/Bundle	16	
Bundles/Square	4/98.5 sq.ft.	
Squares/Pallet	11	

Raised Profile

Product size	13¼" x 38"	30-year limited warranty period:
Exposure	5"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 70 mph.
Pieces/Bundle	22	
Bundles/Square	3/100 sq.ft.	
Squares/Pallet	16	

Prestique I *High Definition*

Product size	13¼" x 39"	40-year limited warranty period:
Exposure	5"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 90 mph***
Pieces/Bundle	16	
Bundles/Square	4/98.5 sq.ft.	
Squares/Pallet	14	

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12" x 12"
Exposure: 6"
Pieces/Bundle: 45
Coverage: 4 Bundles =
100 linear feet

Vented RidgeCrest™ w/FLX™

Size: 13" x 13¼"
Exposure: 9¼"
Pieces/Box: 26
Coverage: 5 boxes =
100 linear feet

Prestique *High Definition*

Product size	13¼" x 38"	30-year limited warranty period:
Exposure	5"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph.
Pieces/Bundle	22	
Bundles/Square	3/100 sq.ft.	
Squares/Pallet	16	

Elk Starter Strip

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

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

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

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

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

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

*See actual limited warranty for conditions and limitations.

** Effective January 1, 2004, the seven year non-prorated Umbrella Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for such products. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all rake and eave edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of VA, KY, MO, KS, CO, UT, NV, & OR.

***For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or Grandé, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

SPECIFICATIONS

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

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

PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) 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. A warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

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

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

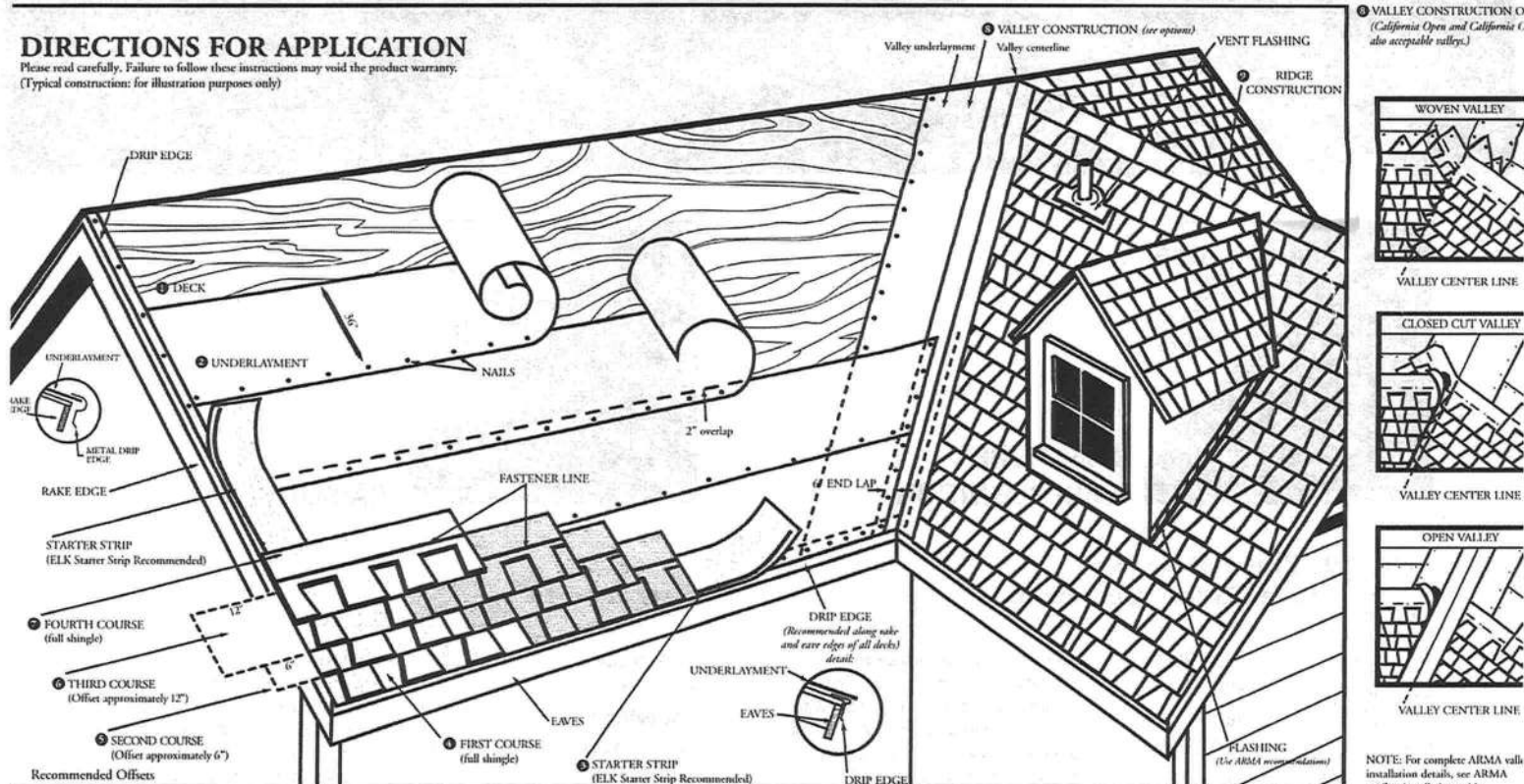
PLANT LOCATION:
800.945.5545

ELK
The Premium Choice®
www.elkcorp.com

SS00T 06/04

DIRECTIONS FOR APPLICATION

Please read carefully. Failure to follow these instructions may void the product warranty.
(Typical construction for illustration purposes only)



NOTE: For complete ARMA call installation details, see ARMA roofing installation guide.

DIRECTIONS FOR APPLICATION

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

1 DECK PREPARATION

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.

2 UNDERLAYMENT

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

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

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

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

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

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

3 STARTER SHINGLE COURSE

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

4 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

5 SECOND COURSE

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

6 THIRD COURSE

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

7 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. Offsets may be adjusted around valleys and penetrations.

8 VALLEY CONSTRUCTION

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

9 RIDGE CONSTRUCTION

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

FASTENERS

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

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the 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 re-roofs. 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. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

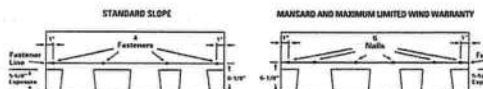
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only 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 DOUBL THICKNESS (laminated) area of the shingle. Nails or staple must be placed along – and through – the "fastener line" or o products without fastener lines, nail or staple between and i line with sealant dots. CAUTION: Do not use fastener line f 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.® Win 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 and handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

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The Premium Choice®
www.elkcorp.com

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(Edsley Const.)

JOB# E HERS Home

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1TJH215-Z0124090132

Permitt
0000 269 76

Truss Fabricator: W.B. Howland
Job Identification: REPAIR - 5350
Truss Count: 3
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)
Engineering Software: Alpine Software, Version 8.00.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: -

Seal Date: 07/24/2008

-Truss Design Engineer-
James F. Collins Jr.

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

#	Ref	Description	Drawing#	Date
1	42627--WHK / FL33		08206001	07/24/08
2	42627--A5		08093017	04/02/08
3	42627--WHK / A7		08206002	07/24/08

Repair Charge: \$67.50 per Customer Agreement.
Amount to be invoiced separately.



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Page 1 of 1 Document ID: ITJH215-Z0124090132

Truss Fabricator: W.B. Howland
Job Identification: REPAIR - 5350 (REPAIR - 5350-)
Truss Count: 2
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)
Engineering Software: Alpine Software, Version 8.00.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Seal Date: 07/24/2008

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	42627--WHK / FL33		08206001	07/24/08
2	42627--A5		08093017	04/02/08

Repair Charge: \$67.50 per Customer Agreement.
Amount to be invoiced separately.



REPAIR TO CHANGE EXTERIOR GEOMETRY OF TRUSS AS SHOWN BELOW.

FIELD REPAIR MUST COMPLY WITH ALPINE DESIGNS AND SPECIFICATIONS.

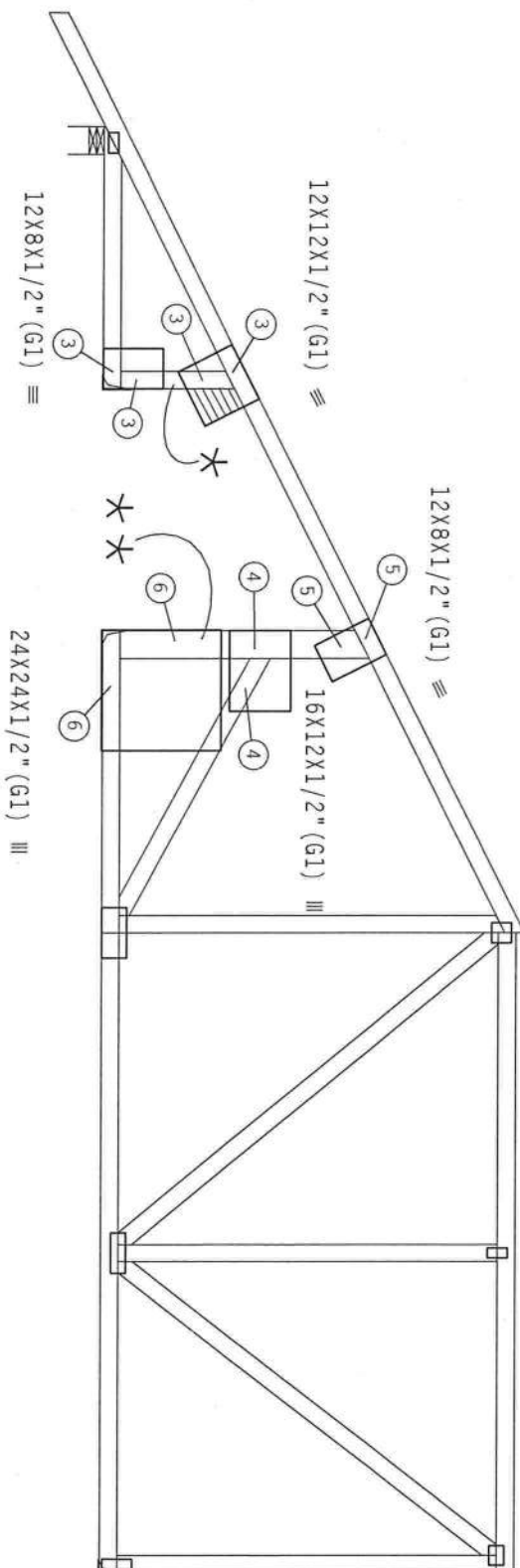
REFER TO DRAWING HCUSR215 08093018 FOR LUMBER, PLATES AND OTHER DATA NOT GIVEN HERE.

Prior to and during repair operation, this truss and any supported spans must be temporarily braced and shored. The design and positioning of such shall be designed and supplied by others.

(G1) Gusset Plates are 1/2" APA RATED SHEATHING, 32/16, EXP 1 or 2. Apply gusset to each face of truss and attach with evenly distributed 8d Common (0.131x2.5") Nails specified in circles. Hatched lines indicate portions on gussets protruding outside of the perimeter of the truss that may be trimmed flush with the truss profile. Minimum Nail/Screw Spacing Requirements Based on ANSI/AF&PA NDS-2001: End Distance 2-1/8" Edge Distance 3/4" Spacing Between Rows 3/4" Spacing in a Row 2-1/8" Maximum Number of Rows for Member Size:
2x4 3 Rows
2x6 6 Rows

* ONE (1) WEB 2x4 SP #2 N OR BETTER LUMBER. ATTACH WITH GUSSET PLATES (G1) AS SHOWN AND DIRECTED.

** ONE (1) WEB 2x6 SP #2 N OR BETTER LUMBER. ATTACH WITH GUSSET PLATES (G1) AS SHOWN AND DIRECTED.



R-313 U-2 W-5.5"
Rl=117/-58

R=324 U-24

R-817 U=63

R-640 U=63

PLT TYP. Wave

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

TRUSS REPAIR

ALPINE

NTW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

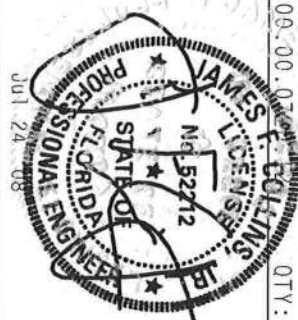
REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTION SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE. IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED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

8.00:00.00

QTY:1

FL/-/5/-/-/R/-

Scale = .3125"/ft.



TC LL	20.0 PSF	REF R215-- 42627
TC DL	10.0 PSF	DATE 07/24/08
BC DL	10.0 PSF	DRW HCUSR215 08206001
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEGN- 1403 REV
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	UREF- 1TJH215_201

REPAIR TO ADD 156# and 417# LOAD AS STATED BELOW (SEE "SPECIAL LOADS") AS SHOWN BELOW.

FIELD REPAIR MUST COMPLY WITH ALPINE DESIGNS AND SPECIFICATIONS.

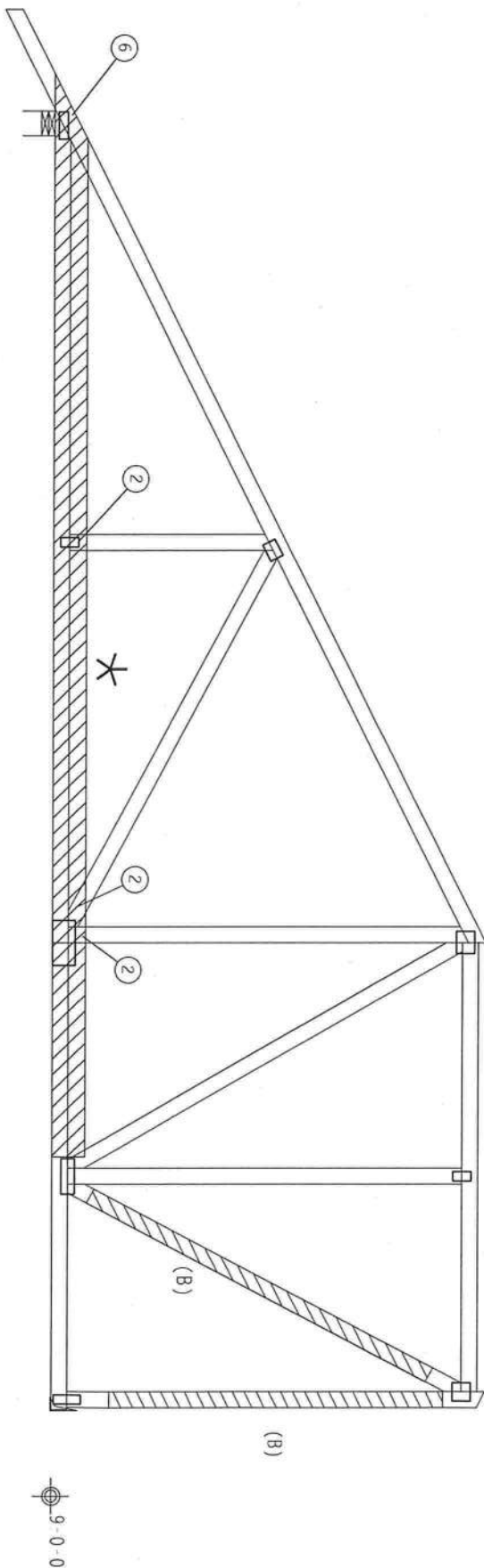
REFER TO DRAWING HCUSR215 08093030 FOR LUMBER, PLATES AND OTHER DATA NOT GIVEN HERE.

SPECIAL LOADS

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC	62 PLF at -1.88 to 62 PLF at 23.67
BC	From 20 PLF at 0.00 to 20 PLF at 23.67
BC	From 80 PLF at 23.67 to 80 PLF at 24.00
BC	156 LB Conc. Load at 4.33
BC	417 LB Conc. Load at 8.33

(B) scab brace. 80% length of web member. Same size, species & grade or better. Attach with 10d Box or Gun (0.128"x3".min.) nails @ 6" OC.

* ONE (1) 2x8x20-0-0 SP #2 (OR BETTER) SCAB. ATTACH ONE SCAB TO BACK FACE OF TRUSS WITH ONE ROW OF .131"x3" GUN NAILS AT 4" OC THROUGHOUT BOTTOM CHORD, WITH ADDITIONAL NAILS AS SPECIFIED BY THE NUMBERS IN CIRCLES. REFER TO DRAWING CWNALSP0207 FOR OTHER NAIL SPACING INFORMATION.



R=1517 U=163 W=5.5"
RL=132/-64

R=1149 U=123

PLT TYP. Wave

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

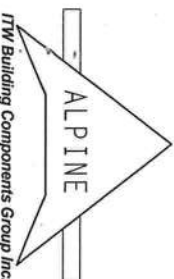
8.00.00.0730

QTY:1

FL/-/5/-/-/R/-/

Scale = .3125"/ft.

TRUSS REPAIR



Haines City, FL 33844
FL COA #0278

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES, THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL MOIST FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESSES FROM BENDING OR SHOCK CANNOT BE RELIABLY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.



TC LL	20.0 PSF	REF	R215 - 42627
TC DL	10.0 PSF	DATE	07/24/08
BC DL	10.0 PSF	DRW	HCUSR215 08206002
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	1409
DUR.FAC.	1.25	FROM	LRB
SPACING	SEE ABOVE	JREF-	1TJH215_Z01

Edgley Const

JB# Elfers Home.

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: ITJG215-R0723145046

permitt
0000 269 76

Truss Fabricator: W.B. Howland
Job Identification: Copy-5350-/Elfers, Fred and Ann (Res /EDGELY CONSTRUCTION -- Lot 31 Cannon Creek
Truss Count: 1
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.38.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61615-31.003(5a) of the FAC
Minimum Design Loads: Roof - 25.0 PSF @ 1.25 Duration
Floor - N/A
Wind - No Wind



Seal Date: 07/23/2008

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: HCUSR215

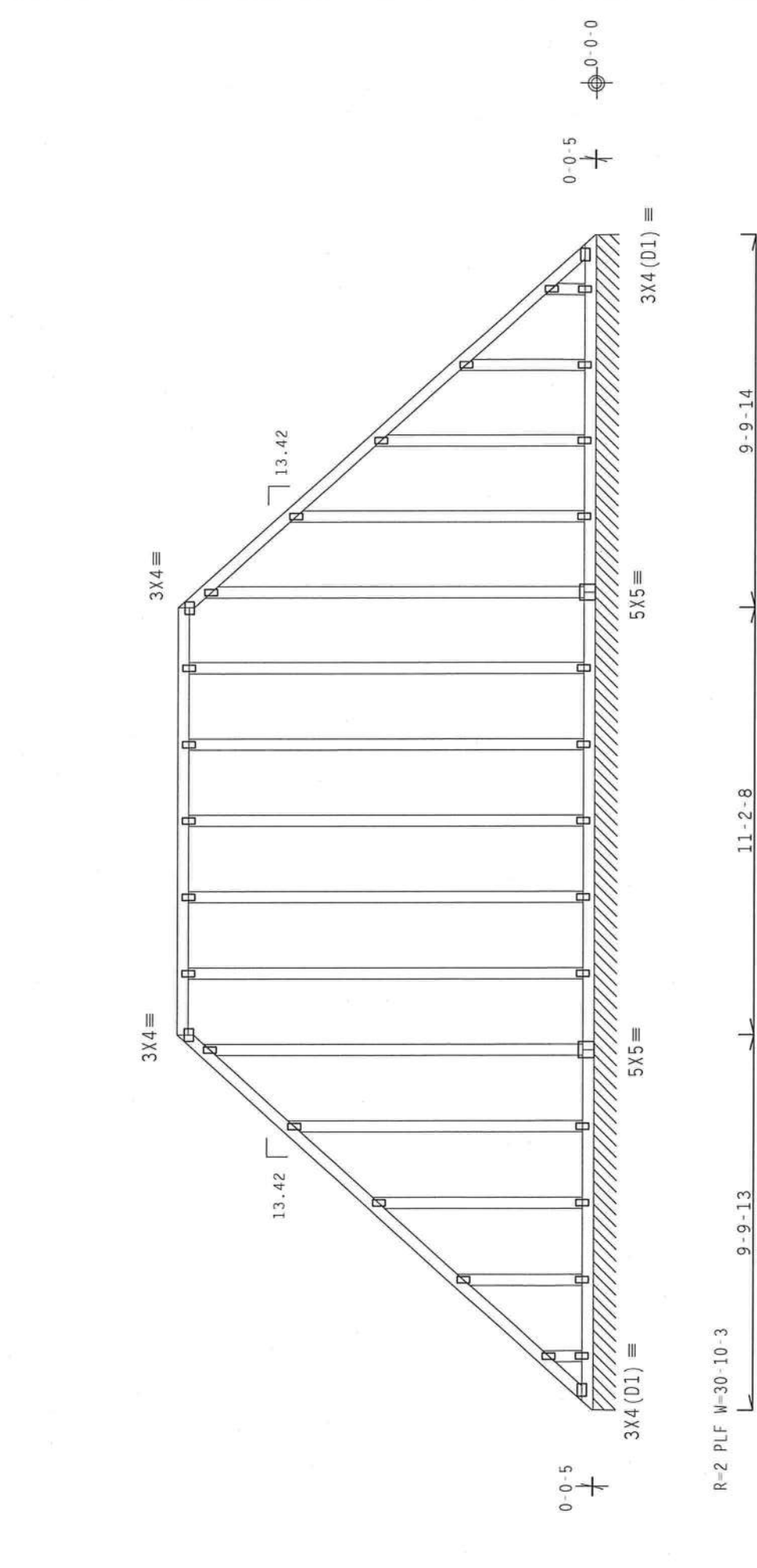
-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Details: -

#	Ref	Description	Drawing#	Date
1	53829--HF1		08093050	04/02/08



(5350-/Elfers, Fred and Ann (Res /EDGELY CONSTRUCTION -- Lot 31 Cannon Creek Airp - HF1)
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
Note: This design is not to be used as a roof truss. It is only to be used as a roof hip frame. See Detail HIPFRAME0207 for more information.



Note: All Plates Are 2x4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810
PLT TYP. Wave
R1: REMOVED BRACES.
DLJ 07/23/2008
Scale = .25"/Ft.

TC LL	20.0 PSF
TC DL	2.0 PSF
BC DL	3.0 PSF
BC LL	0.0 PSF
TOT.LD.	25.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF R215-- 53829
DATE 04/02/08
DRW HCUSR215 08093050
HC-ENG EC/DLJ
SEQN- 109142
FROM LRB
JREF- 1TJG215_R07

Columbia County Building Permit Application

NTO CK# 3898
3893

For Office Use Only Application # C804-58 Date Received 4/28 By SW Permit # 1588/26976
Zoning Official B2K Date 02.05.08 Flood Zone X FEMA Map # N/A Zoning RMF-1
Land Use RES. Mod. Den Elevation N/A MFE 1st River N/A Plans Examiner OK JTH Date 5-1-08

Comments

- ☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel #
☐ Dev Permit # ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. 03-0326Fax 386-752-4904Name Authorized Person Signing Permit KIMMY EDGLEYPhone 386-752-0580Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025Owners Name FREDRICK J.H. & LEE ANN ELFERSPhone 386-752-0580911 Address 390 SW CESSNA COURT, LAKE CITY FL 32025Contractors Name EDGLEY CONSTRUCTION COMPANYPhone 386-752-0580Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025Fee Simple Owner Name & Address FREDRICK J.H. AND LEE ANN ELFERSBonding Co. Name & Address N/AArchitect/Engineer Name & Address MARK DISOSWAY P.E. P.O. BOX 868 LAKE CITY FL 32056Mortgage Lenders Name & Address N/ACircle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress EnergyProperty ID Number 12-4S-16-02935-033 Estimated Cost of Construction \$290,000.00Subdivision Name BROTHERS WELCOME AIRPARK Lot 31 Block Unit Phase Driving Directions HWY 90 WEST, TL ON SISTERS WELCOME RD, TL ON LOCKHEED LANE, TRON CESSNA COURT, ACROSS CREEK ON RIGHT10th on right or 3rdfrom end on rightNumber of Existing Dwellings on Property N/AConstruction of RESIDENTIAL HOMETotal Acreage .688 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing DriveTotal Building Height 20'8"Actual Distance of Structure from Property Lines - Front 25' Side 30'6" Side 36'10" Rear 116'Number of Stories 1 Heated Floor Area 2537 Total Floor Area 3596 Roof Pitch 6/12

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

Spoke to Kimmy
5/1/08
Revised 11-30-07

This Instrument Prepared by & return to:
Name: Brenda Syons, an employee of
TITLE OFFICES, LLC
Address: 343 NW COLE TERRACE, SUITE 101
LAKE CITY, FLORIDA 32055
File No. 08Y-03027BS

Parcel I.D. #: 02935-033

SPACE ABOVE THIS LINE FOR PROCESSING DATA

Inst: 200812006004 Date: 4/8/2008 Time: 11:29 AM
Doc Stamp Deed: 700.00
X17 PG. P. DeWitt Gerson, Columbia County Page 1 of 1 B: 1147 P: 1606

THIS WARRANTY DEED Made the 4th day of April, A.D. 2008, by

DENNIS D. DOORNEWEERD and FAY A. DOORNEWEERD, HIS WIFE, hereinafter called the grantors, to
FREDRICK J. H. ELFERS and LEE ANN ELFERS, HIS WIFE, whose post office address is
1205 SW MALAGA AVENUE, PORT ST. LUCIE, FLORIDA 34953, hereinafter called the grantees:

(Wherever used herein the terms "grantors" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantors, for and in consideration of the sum of \$10.00 and of her valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in Columbia County, State of Florida, viz:

Lot 31, BROTHER'S WELCOME AIRPARK, according to the map or plat thereof as recorded in Plat Book 5, Page 56, of the Public Records of Columbia County, Florida.

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

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

And the grantors hereby covenant with said grantees that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby jointly warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2007.

In Witness Whereof, the said grantors have signed and sealed these presents, the day and year first above written.

Signed, sealed and delivered in the presence of:

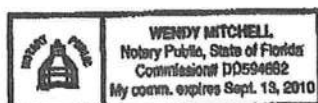
Wendy Mitchell
Witness Signature
WENDY MITCHELL
Printed Name

Linda M. Bencala
Witness Signature
LINDA M. BENCALA
Printed Name

Dennis D. Doorneweerd
DENNIS D. DOORNEWEERD
Address:
1804 CHANDELLE COURT, PORT ORANGE,
FLORIDA 32128
Fay A. Doorneweerd L.S.
FAY A. DOORNEWEERD
Address:
1804 CHANDELLE COURT, PORT ORANGE,
FLORIDA 32128

STATE OF FLORIDA
COUNTY OF Volusia

The foregoing instrument was acknowledged before me this 4th day of April, 2008, by DENNIS D. DOORNEWEERD and FAY A. DOORNEWEERD, who are known to me or who have produced
FLDL as identification.



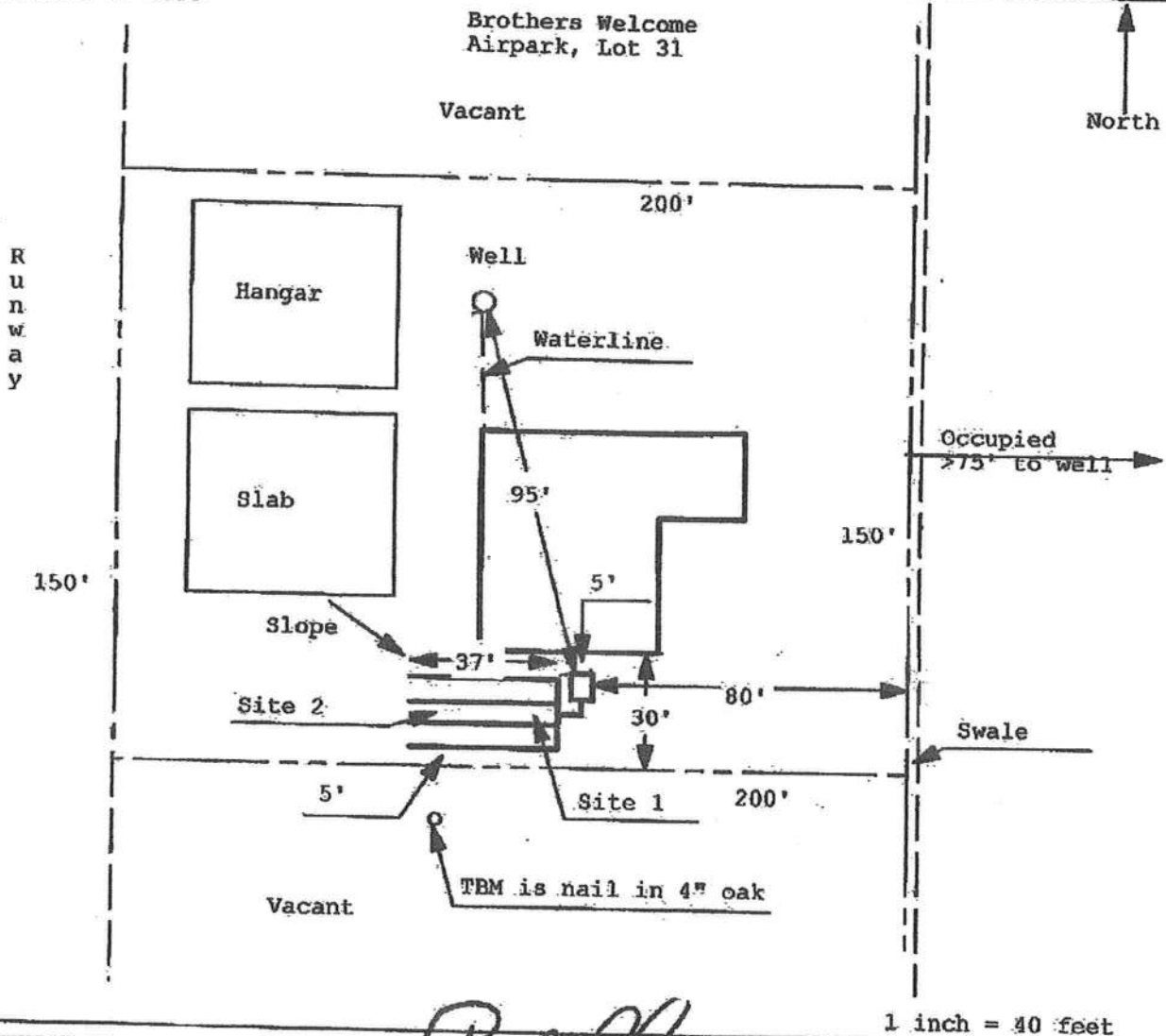
VOLUSIA COUNTY

Wendy Mitchell
Notary Public
My commission expires 9-13-10

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 08-326

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

ELFERS/CR 07-4333



Site Plan Submitted By Paul Lloyd Date 3/24/08
Plan Approved ☒ Not Approved ☐ Date 4/23/08
By M. 22 Columbia CPHU

Notes:

COLUMBIA COUNTY 9-1-1 ADDRESSING / GIS DEPARTMENT

P. O. Box 1187, Lake City, FL 33956-1187

Telephone: (352) 734-1122 * Fax: (352) 734-1155 * E-mail: ton_cant@columbiacountyfla.com

ADDRESS ASSIGNMENT DATA

The Columbia County Board of County Commissioners has passed Ordinance 2001-9, which provides for a uniform numbering system. A copy of this ordinance is available in the Clerk of Court records, located in the courthouse. This new numbering system will increase the efficiency of POLICE, FIRE AND EMERGENCY MEDICAL vehicles responding to calls within Columbia County by immediately identifying the location of the caller.

Residential or Other Structure on Parcel Number:

12-4S-16-02935-033 (LOT 31 BROTHERS WELCOME AIRPARK.)

Address Assignment:

390 SW CESSNA CT, LAKE CITY, FL, 32025

Any questions concerning this information should be referred to the Columbia County 9-1-1 Addressing / GIS Department at the address or telephone number above.

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~XXXXXXXXXXXXXXXXXXXX~~
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

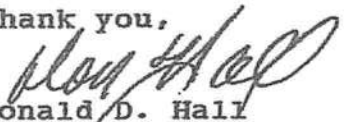
June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,


Donald D. Hall
DDH/jk

COLUMBIA COUNTY, FLORIDA

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 the Notice of Commencement.

Tax Parcel ID Number: 02935-033

1. **Description of property:** Lot 31, Brothers Welcome Airpark, according to the map or Plat there of as recorded in Plat Book 5, Page 56 of the Public Records of Columbia County, Florida.
2. **General Description of Improvement:** Construction of Dwelling
3. **Owner Information:**
 - a. Name and Address: Frederick J.H. Elfers and Lee Ann Elfers, 889 SW Gator Way, Lake City, FL 32025
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): NONE
4. **Contractor** (name and address): Edgley Construction Company, 590 SW Arlington Blvd, Suite 113, Lake City, FL 32025
5. **Surety:**
 - a. Name and Address: N/A
 - b. Amount of Bond: N/A
6. **Lender:** N/A
7. Persons within the State of Florida designated by Owner upon whom notices of Other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE
8. In addition to himself, Owner designates KIMMY EDGLEY, of EDGLEY CONSTRUCTION COMPANY, at 590 SW Arlington Blvd, Suite 113, Lake City, FL 32025, to receive a copy of Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes.
9. Expiration date of Notice of Commencement (the expiration date is 1 year from Date of recording unless a different date is specified).

Inst: 200812008078 Date: 4/24/2008 Time: 3:57 PM
27-DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1148 P: 2397

Signed, sealed, and delivered in the presence:

Kimmy Edgley
Witness

Frederick J.H. Elfers
Lee Ann Elfers
Frederick J.H. Elfers
Lee Ann Elfers

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 24th of April 2008, by Frederick J. H. Elfers and Lee Ann Elfers, who are known to me or who have produced FL Dr. Lic as identification.

(seal)

Nanci Nettles
NOTARY PUBLIC

My Commission Expires:



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: 803121Elfers,Fred&Ann
Address: Lot: 31, Sub: Cannon Creek Ai, Plat:
City, State: , FL
Owner: Fred & Ann Elfers
Climate Zone: North

Builder: Edgley
Permitting Office: Columbia
Permit Number: 26976
Jurisdiction Number: 221000

- | | | |
|---|--|-----|
| 1. New construction or existing | New | ___ |
| 2. Single family or multi-family | Single family | ___ |
| 3. Number of units, if multi-family | 1 | ___ |
| 4. Number of Bedrooms | 2 | ___ |
| 5. Is this a worst case? | Yes | ___ |
| 6. Conditioned floor area (ft ²) | 2537 ft ² | ___ |
| 7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default) | | |
| a. U-factor: | Description Area | |
| (or Single or Double DEFAULT) | 7a. (Dble Default) 202.0 ft ² | ___ |
| b. SHGC: | | |
| (or Clear or Tint DEFAULT) | 7b. (Clear) 202.0 ft ² | ___ |
| 8. Floor types | | |
| a. Slab-On-Grade Edge Insulation | R=0.0, 246.0(p) ft | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 9. Wall types | | |
| a. Frame, Wood, Exterior | R=13.0, 1545.0 ft ² | ___ |
| b. Frame, Wood, Adjacent | R=13.0, 367.0 ft ² | ___ |
| c. N/A | | ___ |
| d. N/A | | ___ |
| e. N/A | | ___ |
| 10. Ceiling types | | |
| a. Under Attic | R=30.0, 2537.0 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 11. Ducts | | |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 149.0 ft | ___ |
| b. N/A | | ___ |
| 12. Cooling systems | | |
| a. Central Unit | Cap: 44.0 kBtu/hr | ___ |
| | SEER: 13.00 | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 13. Heating systems | | |
| a. Electric Heat Pump | Cap: 44.0 kBtu/hr | ___ |
| | HSPF: 7.90 | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 14. Hot water systems | | |
| a. Electric Resistance | Cap: 40.0 gallons | ___ |
| | EF: 0.93 | ___ |
| b. N/A | | ___ |
| c. Conservation credits | | ___ |
| (HR-Heat recovery, Solar | | ___ |
| DHP-Dedicated heat pump) | | ___ |
| 15. HVAC credits | | ___ |
| (CF-Ceiling fan, CV-Cross ventilation, | | ___ |
| HF-Whole house fan, | | ___ |
| PT-Programmable Thermostat, | | ___ |
| MZ-C-Multizone cooling, | | ___ |
| MZ-H-Multizone heating) | | ___ |

Glass/Floor Area: 0.08

Total as-built points: 23961

Total base points: 31742

PASS

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

PREPARED BY: [Signature]

DATE: 4-1-09

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 31, Sub: Cannon Creek Ai, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT						
GLASS TYPES										
.18 X	Conditioned	X	BSPM = Points	Type/SC	Overhang					
	Floor Area				Ornt	Len	Hgt	Area X	SPM X	SOF = Points
.18	2537.0	20.04	9151.5	Double, Clear	S	1.5	6.5	30.0	35.87	0.88 943.5
				Double, Clear	S	11.0	6.5	40.0	35.87	0.46 660.8
				Double, Clear	S	11.0	4.5	9.0	35.87	0.44 141.9
				Double, Clear	W	1.5	6.5	30.0	38.52	0.93 1071.5
				Double, Clear	N	1.5	3.5	12.0	19.20	0.86 197.9
				Double, Clear	N	1.5	6.5	60.0	19.20	0.95 1091.5
				Double, Clear	N	6.0	6.5	15.0	19.20	0.72 208.2
				Double, Clear	N	6.0	4.5	6.0	19.20	0.67 77.0
				As-Built Total:				202.0		4392.3
WALL TYPES										
	Area X	BSPM =	Points	Type		R-Value		Area X	SPM =	Points
Adjacent	367.0	0.70	256.9	Frame, Wood, Exterior		13.0		1545.0	1.50	2317.5
Exterior	1545.0	1.70	2626.5	Frame, Wood, Adjacent		13.0		367.0	0.60	220.2
Base Total:	1912.0		2883.4	As-Built Total:				1912.0		2537.7
DOOR TYPES										
	Area X	BSPM =	Points	Type				Area X	SPM =	Points
Adjacent	20.0	1.60	32.0	Exterior Insulated				40.0	4.10	164.0
Exterior	60.0	4.10	246.0	Exterior Insulated				20.0	4.10	82.0
				Adjacent Insulated				20.0	1.60	32.0
Base Total:	80.0		278.0	As-Built Total:				80.0		278.0
CEILING TYPES										
	Area X	BSPM =	Points	Type		R-Value		Area X	SPM X SCM =	Points
Under Attic	2537.0	1.73	4389.0	Under Attic		30.0		2537.0	1.73 X 1.00	4389.0
Base Total:	2537.0		4389.0	As-Built Total:				2537.0		4389.0
FLOOR TYPES										
	Area X	BSPM =	Points	Type		R-Value		Area X	SPM =	Points
Slab	246.0(p)	-37.0	-9102.0	Slab-On-Grade Edge Insulation		0.0		246.0(p)	-41.20	-10135.2
Raised	0.0	0.00	0.0							
Base Total:			-9102.0	As-Built Total:				246.0		-10135.2
INFILTRATION										
	Area X	BSPM =	Points					Area X	SPM =	Points
	2537.0	10.21	25902.8					2537.0	10.21	25902.8

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 31, Sub: Cannon Creek Ai, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 33502.6				Summer As-Built Points: 27364.6						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.09 x 1.147 x 0.91)	X System Multiplier	X Credit Multiplier	=	Cooling Points
33502.6	0.4266		14292.2	(sys 1: Central Unit 44000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 27365	1.00		0.263	1.000		8173.6
				27364.6	1.00	1.138	0.263	1.000		8173.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 31, Sub: Cannon Creek Ai, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2537.0	12.74	5817.8	Double, Clear	S	1.5	6.5	30.0	13.30	1.09	436.4
				Double, Clear	S	11.0	6.5	40.0	13.30	3.42	1819.3
				Double, Clear	S	11.0	4.5	9.0	13.30	3.60	430.6
				Double, Clear	W	1.5	6.5	30.0	20.73	1.02	634.1
				Double, Clear	N	1.5	3.5	12.0	24.58	1.01	297.1
				Double, Clear	N	1.5	6.5	60.0	24.58	1.00	1477.5
				Double, Clear	N	6.0	6.5	15.0	24.58	1.02	375.1
				Double, Clear	N	6.0	4.5	6.0	24.58	1.02	150.6
				As-Built Total:		202.0			5620.8		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	367.0	3.60	1321.2	Frame, Wood, Exterior	13.0		1545.0	3.40	5253.0		
Exterior	1545.0	3.70	5716.5	Frame, Wood, Adjacent	13.0		367.0	3.30	1211.1		
Base Total:	1912.0		7037.7	As-Built Total:		1912.0			6464.1		
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	20.0	8.00	160.0	Exterior Insulated			40.0	8.40	336.0		
Exterior	60.0	8.40	504.0	Exterior Insulated			20.0	8.40	168.0		
				Adjacent Insulated			20.0	8.00	160.0		
Base Total:	80.0		664.0	As-Built Total:		80.0			664.0		
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2537.0	2.05	5200.9	Under Attic	30.0		2537.0	2.05 X 1.00	5200.9		
Base Total:	2537.0		5200.9	As-Built Total:		2537.0			5200.9		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	246.0(p)	8.9	2189.4	Slab-On-Grade Edge Insulation	0.0		246.0(p)	18.80	4624.8		
Raised	0.0	0.00	0.0								
Base Total:			2189.4	As-Built Total:		246.0			4624.8		
INFILTRATION Area X BWPM = Points						Area X WPM = Points					
	2537.0	-0.59	-1496.8			2537.0			-0.59 -1496.8		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 31, Sub: Cannon Creek Ai, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		19413.0		Winter As-Built Points:			21077.7			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
19413.0		0.6274	12179.7	(sys 1: Electric Heat Pump 44000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0 21077.7	1.000	(1.069 x 1.169 x 0.93)	0.432	1.000	10573.7	
				21077.7	1.00	1.162	0.432	1.000	10573.7	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 31, Sub: Cannon Creek Ai, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
2		2635.00	5270.0	40.0	0.93	2		1.00	2606.67
				As-Built Total:				5213.3	

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	= Total Points
14292		12180		5270	31742	8174		10574	23961

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 31, Sub: Cannon Creek Ai, Plat: , , FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.7

The higher the score, the more efficient the home.

Fred & Ann Elfers, Lot: 31, Sub: Cannon Creek Ai, Plat: , , FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 44.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	2	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2537 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 44.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 202.0 ft ²		HSPF: 7.90
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 202.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 246.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.93
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1545.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 367.0 ft ²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2537.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 149.0 ft		
b. N/A			

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

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



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLR2PB v4.1)

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001588

DATE 05/06/2008 PARCEL ID # 12-4S-16-02935-033
APPLICANT KIMMY EDGLEY PHONE 752-0580
ADDRESS 590 SW ARLINGTON BLVD LAKE CITY FL 32025
OWNER FREDRICK & LEE ANN ELFERS PHONE 752-0580
ADDRESS 390 SW CESSNA COURT LAKE CITY FL 32025
CONTRACTOR EDGLEY CONSTRUCTION COMPANY PHONE 752-0580
LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TL ON LOCKHEED LANE, TR ON
CESSNA CT., 10TH ON RIGHT, OR 3RD FROM THE END ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT BROTHERS WELCOME AIR 31

SIGNATURE Kimmy Edgley

INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

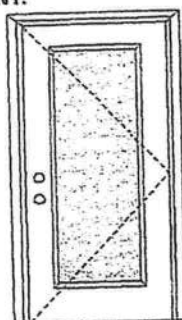
Amount Paid 25.00



X

Glazed Inswing Unit

COP-WL-JH4141-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

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



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

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

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is 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 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:**1/4 GLASS:**

100 Series



133, 135 Series



135 Series



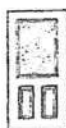
680 Series



822 Series

1/2 GLASS:

105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

XX

Opaque Inswing Unit

COP-WL-JH4102-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

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

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.

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).

Kurt L. Balthazor

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



Test Data Review Certificate #2020447A and COP/Text Report Validation Matrix #3020447A-001 provides additional information - available from the ITIS/WH website (www.edsearch.com), the Masonite website (<http://www.masonite.com>) or the Masonite technical center.

Johnson
EntrySystems

June 17, 2002

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Masonite International Corporation

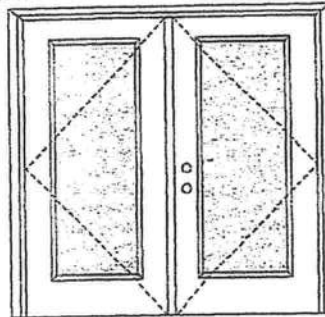
XX

Glazed Inswing Unit

COP-WL-JH4142-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is **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.



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.elisemko.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 panels used do not exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0002-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series

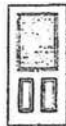


822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

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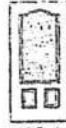
WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122 Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; 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 PA202.

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. Slab 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 PA202

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).

Kurt L Balthaz

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



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

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Exclusively from

Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

APPROVED SIDELITE STYLES:



680 Series



129 Series



200 Series



12R, 12L, 23R,
23L, 24R, 24L
Series



450 Series



152 Series



149 Series



109 Series



120, 122 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; 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 PA202.

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. Slab and 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 PA202

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



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

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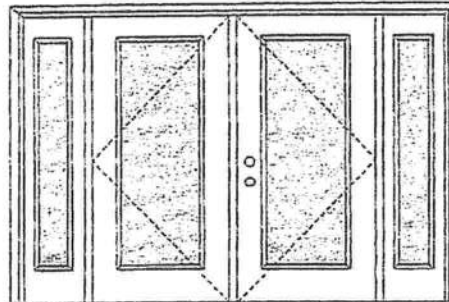
Masonite
Masonite International Corporation

OXXO
Glazed Inswing Unit

COP-WL-JH4145-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.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 panels used do not exceed 3'0" x 6'8".

Double Door with 2 Sidelites
Maximum unit size = 12'0" x 6'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is **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-MA0005-02 or MAD-WL-MA0008-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0005-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L
Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; 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 PA202.

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. Slab 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 PA202

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



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

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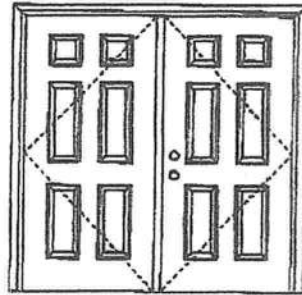
XX

Opaque Inswing Unit

COP-WL-JH4102-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #1026447A and COP/Text Report Validation Matrix #3020447A-001 provides additional information - available from the ITG/WH website (www.stanwicks.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 panels used do not exceed 3'0" x 6'8".

Double Door
Maximum Unit Size = 6'0" x 6'8"

Design Pressure
+45.0/-45.0

Exceed water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0002-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0002-02.

APPROVED DOOR STYLES:



Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

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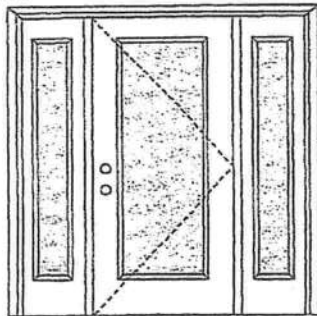
June 17, 2002
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costs subject to change without notice.



Masonite
Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/NWH website (www.itsnwh.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 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

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is **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-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:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



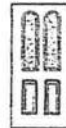
105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

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EntrySystems

June 17, 2002

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Masonite International Corporation

 Dove
Edgley

**AAMA/NWWDA 101/I.S.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 ²
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


Allen N. Reeves
1 APRIL 2002



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: 03/26/02

Expiration Date: 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/LS.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 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

Allen N. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash 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.

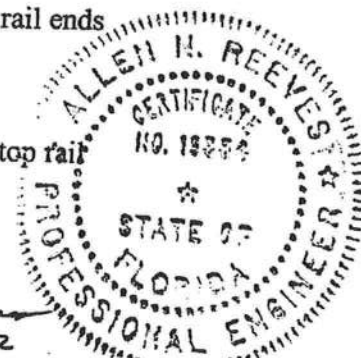
Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

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

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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

Allen H. Reeves
1 APRIL 2002



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:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
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 ²	0.3 cfm/ft ² 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 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.

**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) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
---------	---	----------------	--------------------------

Allen N. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
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 (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.

*Exceeds L/175 for deflection, but passes all other test requirements.

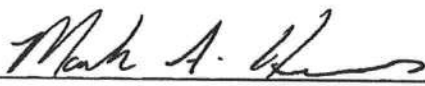
Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"

Allen N. Reeves
1 APRIL 2002



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:

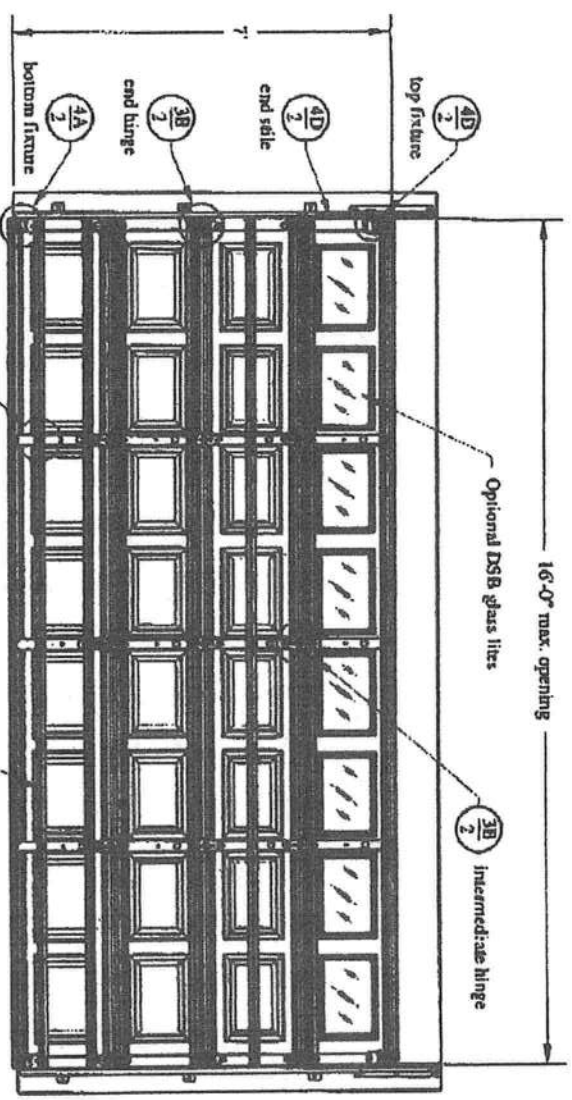

Mark A. Hess
Technician

MAH:nlb
01-41134.01


Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002

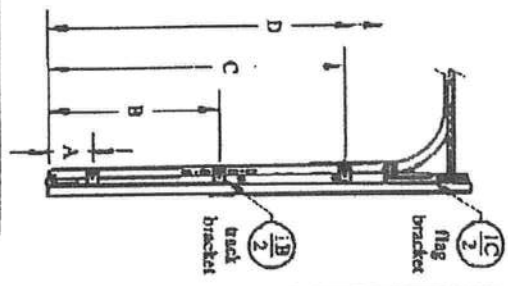


Door Model	Gauge	Decimals
2150/2251	25	.0135
4250/4251	25	.0135
1240/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225



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

Refer to Supplementary Instructions for final placement on doors over 7'-0" high



Track Bracket Chart	door height									
	6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"	
D	n/a	n/a	n/a	n/a	69"	72"	81"	84"	87"	
C	69"	63"	66"	58"	55"	58"	50"	65"	66"	
B	35"	35"	38"	34"	31"	34"	32"	35"	35"	
A	10"	7"	10"	10"	7"	10"	4"	7"	10"	

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

This door has been tested in accordance with ANSI/DASMA 108-2002
 Design Pressure (DP): 18.5 psf / 20.7 mwg
 Test Pressure (TP): 27.8 psf / 31.1 mwg
 Per 2004 FBC Table 1609.6.2, DP meets or exceeds basic wind speed of:
 V = 110 mph for Exposure B and mean roof height of 30' or less;
 V = 93 mph for Exposure C and mean roof height of 30' or less;
 Maximum door size: 16'-0" wide by 14'-0" tall
 Glazing and door have not been tested for windborne debris.
 Wood bulk and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.
 If door is not electrically operated, a lock must be installed.

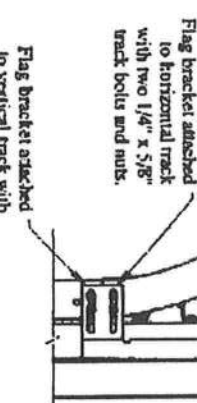
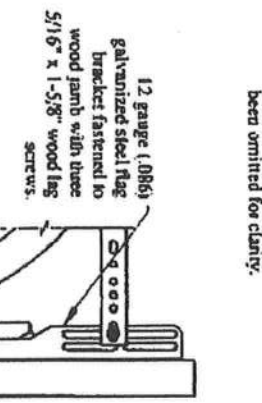
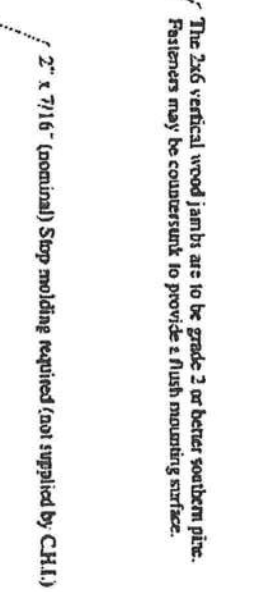
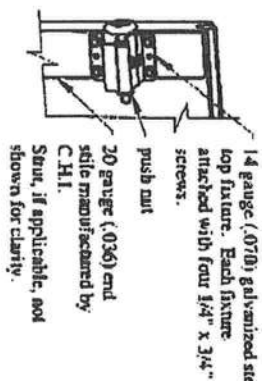
Professional Engineer's seal provided only for ventilation of overhead construction details

John E. Seaton, P.E.
 1411 LeMay Street #205
 Carrollton, Texas 75007
 Florida P.E. #31737

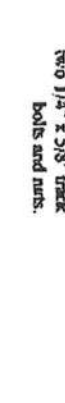
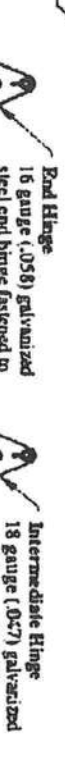
FL 5519

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

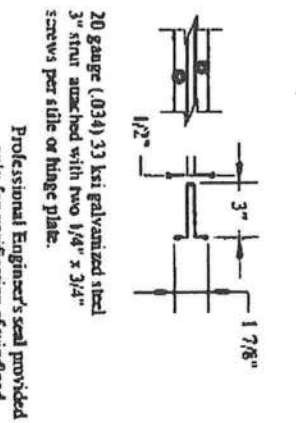
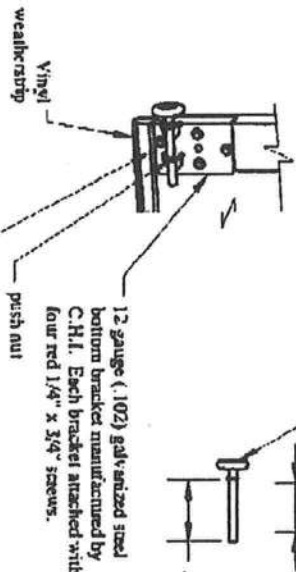
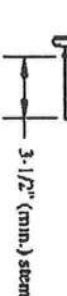
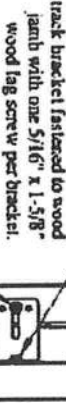
Details on some views may have been omitted for clarity.



2\"/>



2\"/>



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

Design Load: 18.5 psf / 20.7 meq
Test Load: 27.8 psf / 31.1 meq
page 2 of 2
Model 2250/51 (16'-0\"/>

Residential System Sizing Calculation

Summary

Fred & Ann Elfers

Project Title:
803121Elfers,Fred&Ann

Class 3 Rating
Registration No. 0
Climate: North

, FL

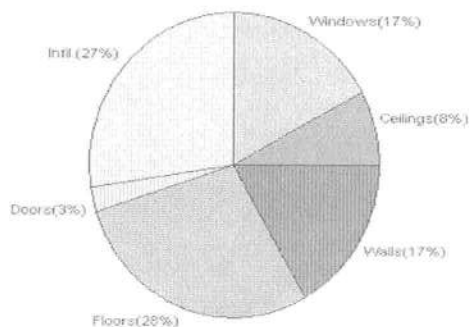
4/7/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	37721 Btuh	Total cooling load calculation	28655 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	116.6 44000	Sensible (SHR = 0.75)	142.7 33000
Heat Pump + Auxiliary(0.0kW)	116.6 44000	Latent	199.0 11000
		Total (Electric Heat Pump)	153.6 44000

WINTER CALCULATIONS

Winter Heating Load (for 2537 sqft)

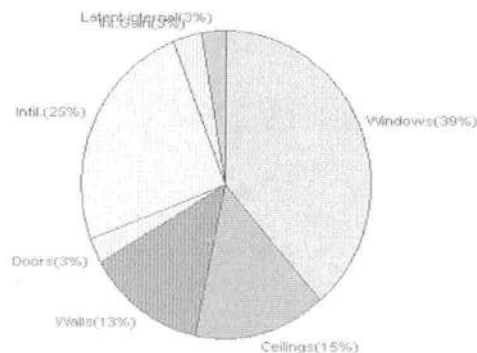
Load component		Load	
Window total	202 sqft	6502	Btuh
Wall total	1912 sqft	6279	Btuh
Door total	80 sqft	1036	Btuh
Ceiling total	2537 sqft	2989	Btuh
Floor total	246 sqft	10740	Btuh
Infiltration	251 cfm	10174	Btuh
Duct loss		0	Btuh
Subtotal		37721	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		37721	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2537 sqft)

Load component		Load	
Window total	202 sqft	11036	Btuh
Wall total	1912 sqft	3776	Btuh
Door total	80 sqft	784	Btuh
Ceiling total	2537 sqft	4201	Btuh
Floor total		0	Btuh
Infiltration	129 cfm	2408	Btuh
Internal gain		920	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		23126	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		4728	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		800	Btuh
Total latent gain		5528	Btuh
TOTAL HEAT GAIN		28655	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: *4-7-08*

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Fred & Ann Elfers

Project Title:
803121Elfers,Fred&Ann

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

4/7/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	30.0		32.2	966 Btuh
2	2, Clear, Metal, 0.87	NW	40.0		32.2	1288 Btuh
3	2, Clear, Metal, 0.87	NW	9.0		32.2	290 Btuh
4	2, Clear, Metal, 0.87	NE	30.0		32.2	966 Btuh
5	2, Clear, Metal, 0.87	SE	12.0		32.2	386 Btuh
6	2, Clear, Metal, 0.87	SE	60.0		32.2	1931 Btuh
7	2, Clear, Metal, 0.87	SE	15.0		32.2	483 Btuh
8	2, Clear, Metal, 0.87	SE	6.0		32.2	193 Btuh
Window Total			202(sqft)			6502 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1545		3.3	5074 Btuh
2	Frame - Wood - Adj(0.09)	13.0	367		3.3	1205 Btuh
Wall Total			1912			6279 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		40		12.9	518 Btuh
Door Total			80			1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2537		1.2	2989 Btuh
Ceiling Total			2537			2989Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	246.0 ft(p)		43.7	10740 Btuh
Floor Total			246			10740 Btuh
Zone Envelope Subtotal:						27547 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.66	22833	251.2		10174 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					37721 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Fred & Ann Elfers

Project Title:
803121Elfers,Fred&Ann

Class 3 Rating
Registration No. 0
Climate: North

4/7/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	37721 Btuh 0 Btuh 37721 Btuh
--	--	------------------------------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Fred & Ann Elfers

Project Title:
803121Elfers,Fred&Ann

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

4/7/2008

Component Loads for Zone #1: Main					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	NW	40.0	32.2	1288 Btuh
3	2, Clear, Metal, 0.87	NW	9.0	32.2	290 Btuh
4	2, Clear, Metal, 0.87	NE	30.0	32.2	966 Btuh
5	2, Clear, Metal, 0.87	SE	12.0	32.2	386 Btuh
6	2, Clear, Metal, 0.87	SE	60.0	32.2	1931 Btuh
7	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh
8	2, Clear, Metal, 0.87	SE	6.0	32.2	193 Btuh
Window Total			202(sqft)		6502 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1545	3.3	5074 Btuh
2	Frame - Wood - Adj(0.09)	13.0	367	3.3	1205 Btuh
Wall Total			1912		6279 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		40	12.9	518 Btuh
Door Total			80		1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2537	1.2	2989 Btuh
Ceiling Total			2537		2989Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	246.0 ft(p)	43.7	10740 Btuh
Floor Total			246		10740 Btuh
Zone Envelope Subtotal:					27547 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.66	22833	251.2	10174 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				37721 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Fred & Ann Elfers

Project Title:
803121Elfers,Fred&Ann

Class 3 Rating
Registration No. 0
Climate: North

4/7/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	37721 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	37721 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Fred & Ann Elfers

Project Title:
803121Elfers,Fred&Ann

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

4/7/2008

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft	6.5ft	30.0	0.0	30.0	29	60	1801	Btuh
2	2, Clear, 0.87, None,N,N	NW	11ft.	6.5ft	40.0	0.0	40.0	29	60	2401	Btuh
3	2, Clear, 0.87, None,N,N	NW	11ft.	4.5ft	9.0	0.0	9.0	29	60	540	Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft	6.5ft	30.0	0.0	30.0	29	60	1801	Btuh
5	2, Clear, 0.87, None,N,N	SE	1.5ft	3.5ft	12.0	6.1	5.9	29	63	544	Btuh
6	2, Clear, 0.87, None,N,N	SE	1.5ft	6.5ft	60.0	12.3	47.7	29	63	3340	Btuh
7	2, Clear, 0.87, None,N,N	SE	6ft.	6.5ft	15.0	15.0	0.0	29	63	434	Btuh
8	2, Clear, 0.87, None,N,N	SE	6ft.	4.5ft	6.0	6.0	0.0	29	63	174	Btuh
Window Total					202 (sqft)					11036 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		1545.0			2.1		3223 Btuh		
2	Frame - Wood - Adj	13.0/0.09		367.0			1.5		554 Btuh		
Wall Total					1912 (sqft)					3776 Btuh	
Doors	Type			Area (sqft)			HTM		Load		
1	Insulated - Adjacent			20.0			9.8		196 Btuh		
2	Insulated - Exterior			20.0			9.8		196 Btuh		
3	Insulated - Exterior			40.0			9.8		392 Btuh		
Door Total					80 (sqft)					784 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0		2537.0			1.7		4201 Btuh		
Ceiling Total					2537 (sqft)					4201 Btuh	
Floors	Type	R-Value		Size			HTM		Load		
1	Slab On Grade	0.0		246 (ft(p))			0.0		0 Btuh		
Floor Total					246.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									19798 Btuh	
Infiltration	Type	ACH		Volume(cuft)			CFM=		Load		
	SensibleNatural	0.34		22833			129.4		2408 Btuh		
Internal gain	Occupants		Btuh/occupant			Appliance		Load			
	4		X 230 +			0		920 Btuh			
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									23126 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Fred & Ann Elfers

Project Title:
803121Elfers,Fred&Ann

Class 3 Rating
Registration No. 0
Climate: North

, FL

4/7/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	23126 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	23126 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	23126 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4728 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5528 Btuh
	TOTAL GAIN	28655 Btuh

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

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

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

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

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

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Fred & Ann Elfers

Project Title:
803121Elfers,Fred&Ann

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

4/7/2008

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft	6.5ft	30.0	0.0	30.0	29	60	1801	Btuh
2	2, Clear, 0.87, None,N,N	NW	11ft.	6.5ft	40.0	0.0	40.0	29	60	2401	Btuh
3	2, Clear, 0.87, None,N,N	NW	11ft.	4.5ft	9.0	0.0	9.0	29	60	540	Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft	6.5ft	30.0	0.0	30.0	29	60	1801	Btuh
5	2, Clear, 0.87, None,N,N	SE	1.5ft	3.5ft	12.0	6.1	5.9	29	63	544	Btuh
6	2, Clear, 0.87, None,N,N	SE	1.5ft	6.5ft	60.0	12.3	47.7	29	63	3340	Btuh
7	2, Clear, 0.87, None,N,N	SE	6ft.	6.5ft	15.0	15.0	0.0	29	63	434	Btuh
8	2, Clear, 0.87, None,N,N	SE	6ft.	4.5ft	6.0	6.0	0.0	29	63	174	Btuh
Window Total					202 (sqft)					11036 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1545.0			2.1		3223 Btuh	
2	Frame - Wood - Adj	13.0/0.09			367.0			1.5		554 Btuh	
Wall Total						1912 (sqft)					3776 Btuh
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			9.8		196 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
3	Insulated - Exterior				40.0			9.8		392 Btuh	
Door Total						80 (sqft)					784 Btuh
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			2537.0			1.7		4201 Btuh	
Ceiling Total						2537 (sqft)					4201 Btuh
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			246 (ft(p))			0.0		0 Btuh	
Floor Total						246.0 (sqft)					0 Btuh
	Zone Envelope Subtotal:									19798 Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load	
	SensibleNatural	0.34			22833			129.4		2408 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	4			X 230 +			0		920 Btuh		
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									23126 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Fred & Ann Elfers

Project Title:
803121Elfers,Fred&Ann

Class 3 Rating
Registration No. 0
Climate: North

4/7/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	23126 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	23126 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	23126 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4728 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5528 Btuh
	TOTAL GAIN	28655 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Fred & Ann Elfers
, FL

Project Title:
803121Elfers,Fred&Ann

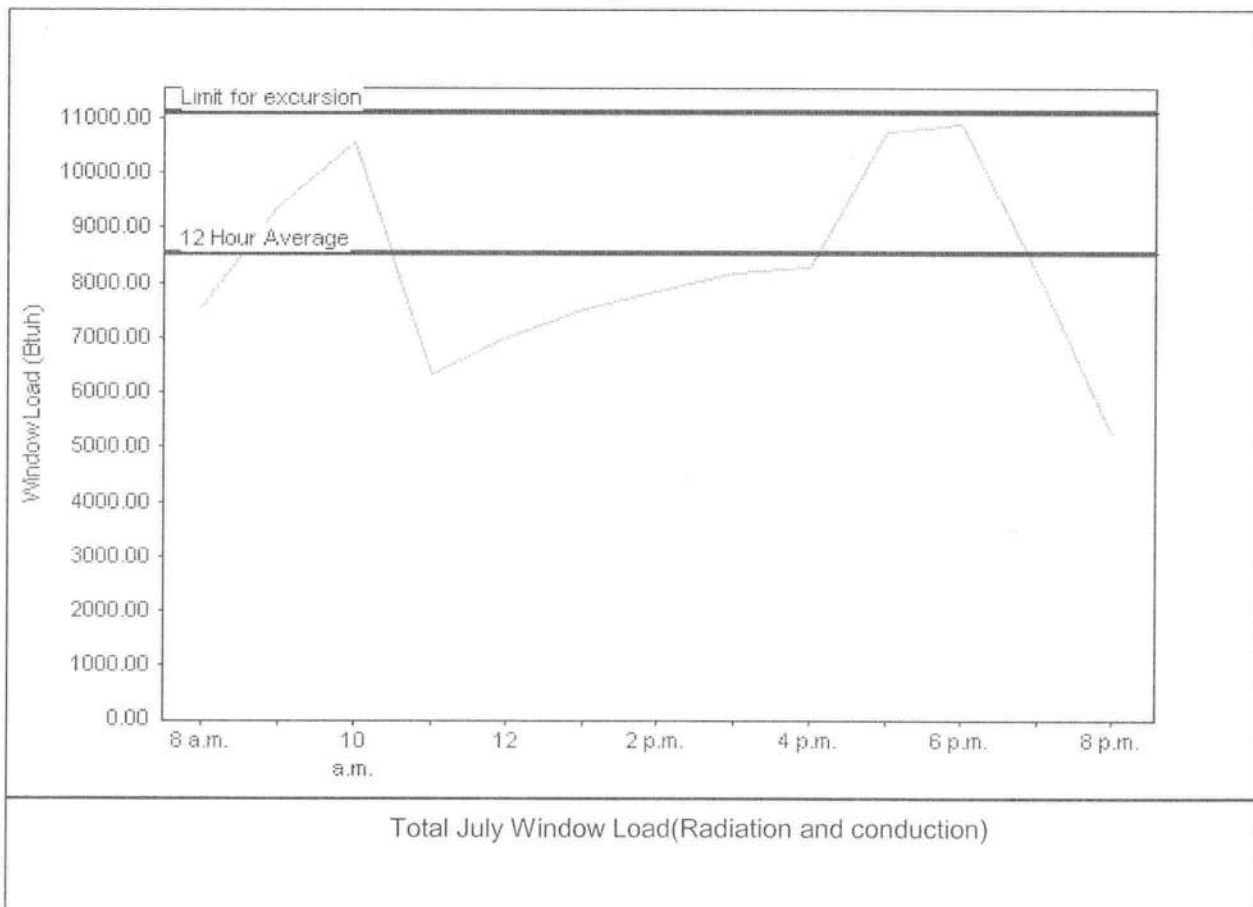
Class 3 Rating
Registration No. 0
Climate: North

4/7/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	8532 Btuh
Summer setpoint	75 F	Peak window load for July	10873 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	11092 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

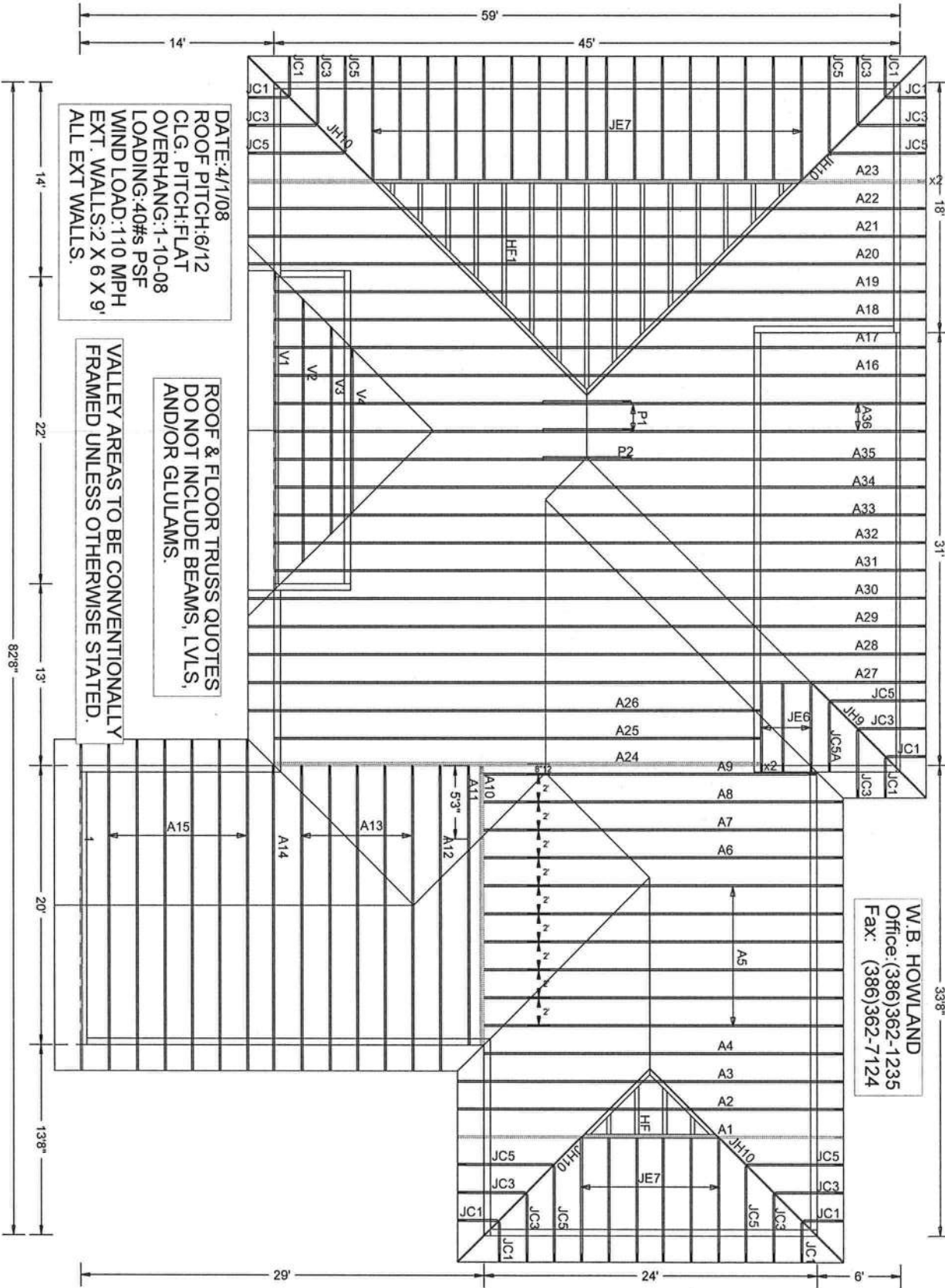
EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: 4-7-08

EnergyGauge® FLR2PB v4.1





Job Name: Elfers, Fred and Ann (Res)
 Customer: EDGELY CONSTRUCTION
 Designer: Lynn Bell

JOB NO:

5350

PAGE NO:
 1 OF 1

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:ITGC215-Z0104111625

Truss Fabricator: W.B. Howland
Job Identification: 5350-/Elfers, Fred and Ann (Res /EDGELY CONSTRUCTION -- Lot 31 Cannon Creek Airp
Truss Count: 54
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.38.
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 - 25.0 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: HCUSR215

Seal Date: 04/04/2008

-Truss Design Engineer-
James F. Collins Jr.

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

Details: A11015EE-GBLLETIN-BRCLBSUB-VALTRUSS-

#	Ref	Description	Drawing#	Date
1	53791--1		08093015	04/02/08
2	53792--A1		08093016	04/02/08
3	53793--A2		08093001	04/02/08
4	53794--A3		08093002	04/02/08
5	53795--A4		08093003	04/02/08
6	53796--A5		08093017	04/02/08
7	53797--A6		08093018	04/02/08
8	53798--A7		08093030	04/02/08
9	53799--A8		08093019	04/02/08
10	53800--A9		08093020	04/02/08
11	53801--A10		08093021	04/02/08
12	53802--A11		08093022	04/02/08
13	53803--A12		08093023	04/02/08
14	53804--A13		08093024	04/02/08
15	53805--A14		08093004	04/02/08
16	53806--A15		08093005	04/02/08
17	53807--A16		08093025	04/02/08
18	53808--A17		08093026	04/02/08
19	53809--A18		08093027	04/02/08
20	53810--A19		08093028	04/02/08
21	53811--A20		08093006	04/02/08
22	53812--A21		08093007	04/02/08
23	53813--A22		08093008	04/02/08
24	53814--A23		08093029	04/02/08
25	53815--A24		08093049	04/02/08
26	53816--A25		08093009	04/02/08
27	53817--A26		08093010	04/02/08
28	53818--A27		08093031	04/02/08
29	53819--A28		08093032	04/02/08
30	53820--A29		08093033	04/02/08
31	53821--A30		08093034	04/02/08
32	53822--A31		08093035	04/02/08
33	53823--A32		08093036	04/02/08
34	53824--A33		08093037	04/02/08
35	53825--A34		08093038	04/02/08
36	53826--A35		08093039	04/02/08

#	Ref	Description	Drawing#	Date
37	53827--A36		08093040	04/02/08
38	53828--HF		08095009	04/04/08
39	53829--HF1		08093050	04/02/08
40	53830--HF11		08095010	04/04/08
41	53831--JC1		08093041	04/02/08
42	53832--JC3		08093042	04/02/08
43	53833--JC5		08093043	04/02/08
44	53834--JC5A		08093044	04/02/08
45	53835--JE6		08093045	04/02/08
46	53836--JE7		08093046	04/02/08
47	53837--JH9		08093047	04/02/08
48	53838--JH10		08093048	04/02/08
49	53839--P1		08095007	04/04/08
50	53840--P2		08095008	04/04/08
51	53841--V1		08093011	04/02/08
52	53842--V2		08093012	04/02/08
53	53843--V3		08093013	04/02/08
54	53844--V4		08093014	04/02/08

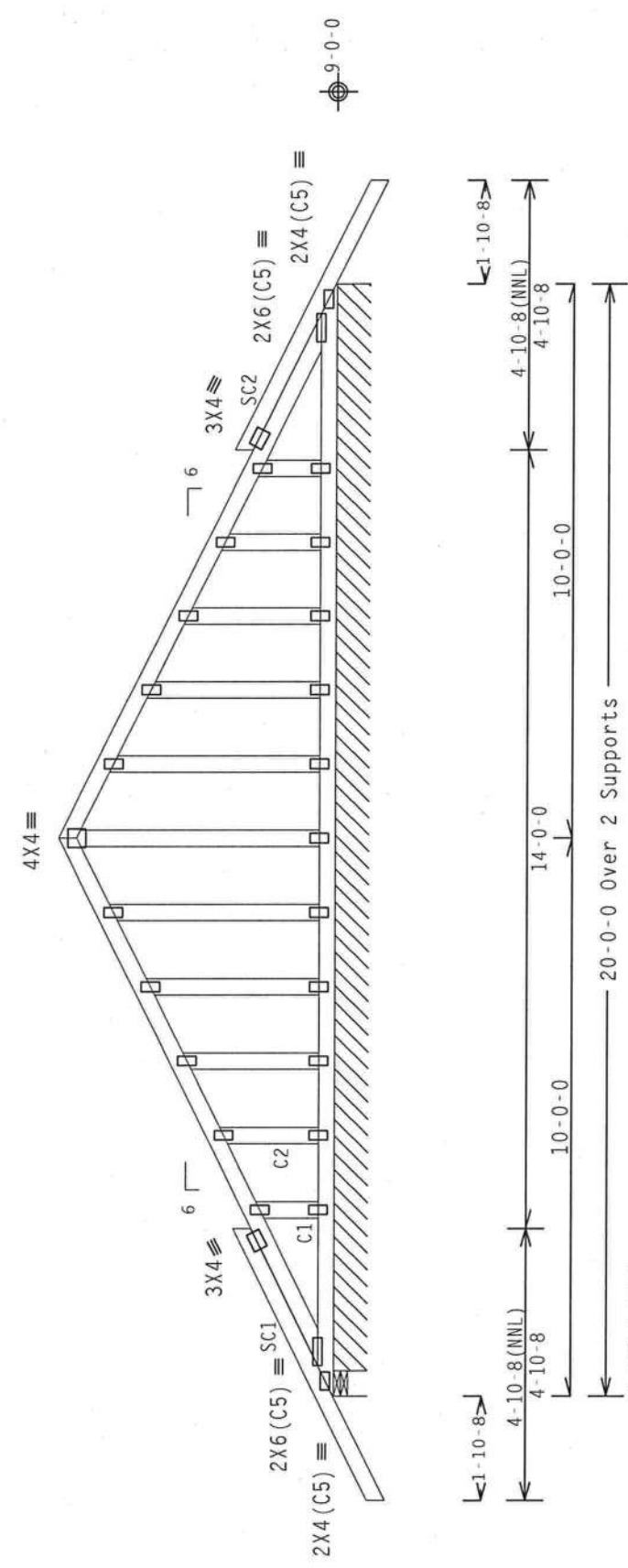


Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Stack Chord SC1 2x4 SP #2 N::Stack Chord SC2 2x4 SP #2 N:
Gable end supports 8" max rake overhang.

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

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
Wind reactions based on MMFRS pressures.
See DWGS ALL015EE0207 & GBLLETIN0207 for more requirements.
In lieu of structural panels use purlins to brace TC @ 24" OC.
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 5'-0"-4."



R-589 W=5.5"
R-132 PLF U=23 PLF W=19-6-8

Note: All Plates Are 2x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Scale = .3125"/Ft.

QTY:1

FL/-/5/-/-/R/-

REF R215-- 53791

DATE 04/02/08

DRW HCUSR215 08093015

HC-ENG EC/DLJ

SEQN- 109057

FROM LRB

JREF- 1TGC215_Z01

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0 278

James Collins, P.E.

Professional Engineer

State of Florida

Apr 04 '08

WARNING** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2010/10GA (4-11/16) ASTH A653 GRADE 40/60 (N. K/H-SS) GALV. STEEL. APPLY PROTECTIVE COATING TO ALL EXPOSED SURFACES. UNLESS OTHERWISE INDICATED, ALL CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS DESIGNER'S DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

	Top	chord	2x4	SP	#2	N	:T2	2x6	SP	#2	N:
Bot	chord	2x6	SP	#2	N						
	webs	2x4	SP	#2	N						

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

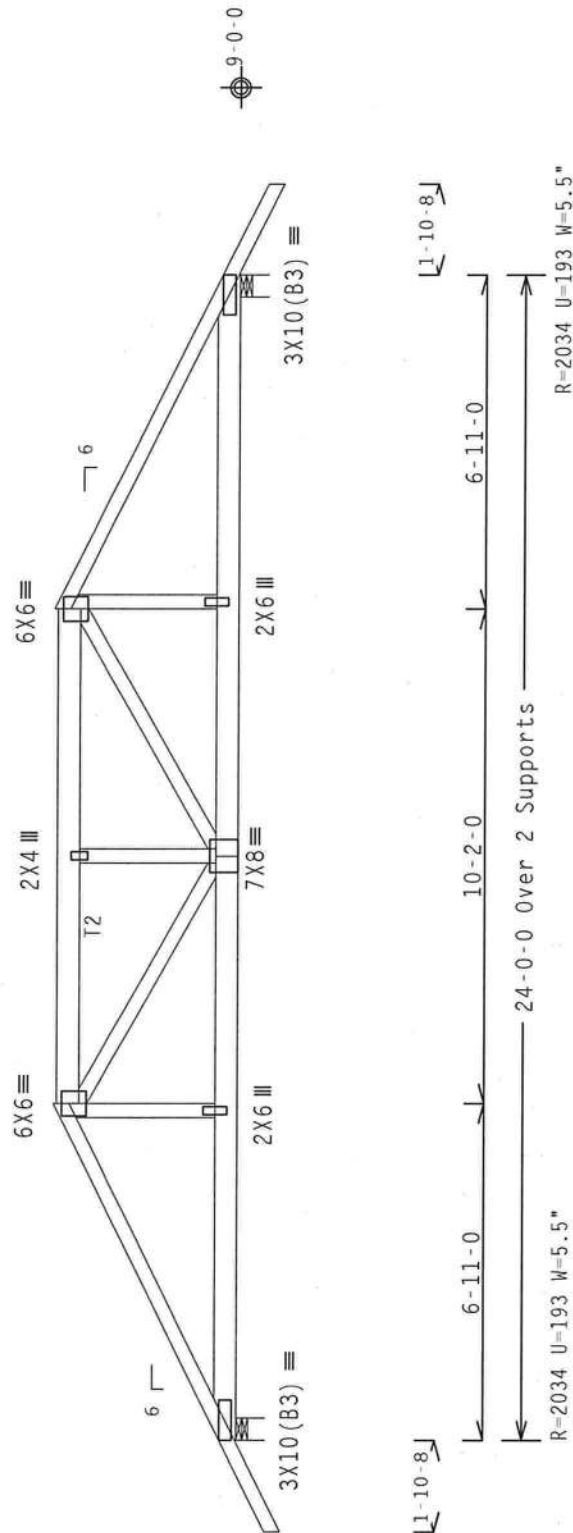
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Wind reactions based on MWFRS pressures.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

The overall height of this truss excluding overhang is 3-9-11.

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

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

7.

QTY:1

FL/-/5/-/-/R/-/

Scale = 25"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY, 1001 GALEN RD., GAITHERSBURG, MD 20878, FOR ADDITIONAL INFORMATION. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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 BRACE THE TRUSS IN CONFORMANCE WITH THIS DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

1. THE FOLLOWING INFORMATION IS THE BASIS FOR THE DESIGN OF THIS TRUSS: (1) NATIONAL DESIGN SPEC. BY AISC AND TPI. (2) 17W BCG TRUSS DESIGNATION. (3) 17W BCG TRUSS MANUFACTURING INFORMATION. (4) 17W BCG TRUSS GALVALUME INFORMATION. (5) 17W BCG TRUSS GALVALUME INFORMATION. (6) 17W BCG TRUSS GALVALUME INFORMATION. (7) 17W BCG TRUSS GALVALUME INFORMATION. (8) 17W BCG TRUSS GALVALUME INFORMATION. (9) 17W BCG TRUSS GALVALUME INFORMATION. (10) 17W BCG TRUSS GALVALUME INFORMATION. (11) 17W BCG TRUSS GALVALUME INFORMATION. (12) 17W BCG TRUSS GALVALUME INFORMATION. (13) 17W BCG TRUSS GALVALUME INFORMATION. (14) 17W BCG TRUSS GALVALUME INFORMATION. (15) 17W BCG TRUSS GALVALUME INFORMATION. (16) 17W BCG TRUSS GALVALUME INFORMATION. (17) 17W BCG TRUSS GALVALUME INFORMATION. (18) 17W BCG TRUSS GALVALUME INFORMATION. (19) 17W BCG TRUSS GALVALUME INFORMATION. (20) 17W BCG TRUSS GALVALUME INFORMATION. (21) 17W BCG TRUSS GALVALUME INFORMATION. (22) 17W BCG TRUSS GALVALUME INFORMATION. (23) 17W BCG TRUSS GALVALUME INFORMATION. (24) 17W BCG TRUSS GALVALUME INFORMATION. (25) 17W BCG TRUSS GALVALUME INFORMATION. (26) 17W BCG TRUSS GALVALUME INFORMATION. (27) 17W BCG TRUSS GALVALUME INFORMATION. (28) 17W BCG TRUSS GALVALUME INFORMATION. (29) 17W BCG TRUSS GALVALUME INFORMATION. (30) 17W BCG TRUSS GALVALUME INFORMATION. (31) 17W BCG TRUSS GALVALUME INFORMATION. (32) 17W BCG TRUSS GALVALUME INFORMATION. (33) 17W BCG TRUSS GALVALUME INFORMATION. (34) 17W BCG TRUSS GALVALUME INFORMATION. (35) 17W BCG TRUSS GALVALUME INFORMATION. (36) 17W BCG TRUSS GALVALUME INFORMATION. (37) 17W BCG TRUSS GALVALUME INFORMATION. (38) 17W BCG TRUSS GALVALUME INFORMATION. (39) 17W BCG TRUSS GALVALUME INFORMATION. (40) 17W BCG TRUSS GALVALUME INFORMATION. (41) 17W BCG TRUSS GALVALUME INFORMATION. (42) 17W BCG TRUSS GALVALUME INFORMATION. (43) 17W BCG TRUSS GALVALUME INFORMATION. (44) 17W BCG TRUSS GALVALUME INFORMATION. (45) 17W BCG TRUSS GALVALUME INFORMATION. (46) 17W BCG TRUSS GALVALUME INFORMATION. (47) 17W BCG TRUSS GALVALUME INFORMATION. (48) 17W BCG TRUSS GALVALUME INFORMATION. (49) 17W BCG TRUSS GALVALUME INFORMATION. (50) 17W BCG TRUSS GALVALUME INFORMATION. (51) 17W BCG TRUSS GALVALUME INFORMATION. (52) 17W BCG TRUSS GALVALUME INFORMATION. (53) 17W BCG TRUSS GALVALUME INFORMATION. (54) 17W BCG TRUSS GALVALUME INFORMATION. (55) 17W BCG TRUSS GALVALUME INFORMATION. (56) 17W BCG TRUSS GALVALUME INFORMATION. (57) 17W BCG TRUSS GALVALUME INFORMATION. (58) 17W BCG TRUSS GALVALUME INFORMATION. (59) 17W BCG TRUSS GALVALUME INFORMATION. (60) 17W BCG TRUSS GALVALUME INFORMATION. (61) 17W BCG TRUSS GALVALUME INFORMATION. (62) 17W BCG TRUSS GALVALUME INFORMATION. (63) 17W BCG TRUSS GALVALUME INFORMATION. (64) 17W BCG TRUSS GALVALUME INFORMATION. (65) 17W BCG TRUSS GALVALUME INFORMATION. (66) 17W BCG TRUSS GALVALUME INFORMATION. (67) 17W BCG TRUSS GALVALUME INFORMATION. (68) 17W BCG TRUSS GALVALUME INFORMATION. (69) 17W BCG TRUSS GALVALUME INFORMATION. (70) 17W BCG TRUSS GALVALUME INFORMATION. (71) 17W BCG TRUSS GALVALUME INFORMATION. (72) 17W BCG TRUSS GALVALUME INFORMATION. (73) 17W BCG TRUSS GALVALUME INFORMATION. (74) 17W BCG TRUSS GALVALUME INFORMATION. (75) 17W BCG TRUSS GALVALUME INFORMATION. (76) 17W BCG TRUSS GALVALUME INFORMATION. (77) 17W BCG TRUSS GALVALUME INFORMATION. (78) 17W BCG TRUSS GALVALUME INFORMATION. (79) 17W BCG TRUSS GALVALUME INFORMATION. (80) 17W BCG TRUSS GALVALUME INFORMATION. (81) 17W BCG TRUSS GALVALUME INFORMATION. (82) 17W BCG TRUSS GALVALUME INFORMATION. (83) 17W BCG TRUSS GALVALUME INFORMATION. (84) 17W BCG TRUSS GALVALUME INFORMATION. (85) 17W BCG TRUSS GALVALUME INFORMATION. (86) 17W BCG TRUSS GALVALUME INFORMATION. (87) 17W BCG TRUSS GALVALUME INFORMATION. (88) 17W BCG TRUSS GALVALUME INFORMATION. (89) 17W BCG TRUSS GALVALUME INFORMATION. (90) 17W BCG TRUSS GALVALUME INFORMATION. (91) 17W BCG TRUSS GALVALUME INFORMATION. (92) 17W BCG TRUSS GALVALUME INFORMATION. (93) 17W BCG TRUSS GALVALUME INFORMATION. (94) 17W BCG TRUSS GALVALUME INFORMATION. (95) 17W BCG TRUSS GALVALUME INFORMATION. (96) 17W BCG TRUSS GALVALUME INFORMATION. (97) 17W BCG TRUSS GALVALUME INFORMATION. (98) 17W BCG TRUSS GALVALUME INFORMATION. (99) 17W BCG TRUSS GALVALUME INFORMATION. (100) 17W BCG TRUSS GALVALUME INFORMATION.



Haines City, FL 33844
FL Certificate of Authorization #0278

ITW Building Components Group Inc.

Haines City, FL 33844
Certificate of Authorization:

REF- 1TGC215 701

FROM LRB

SEQN- 108790

IC-ENG EC/DLJ

HCUSR215 08093016

DATE 04/02/08

DATE	04/03/00	CTRY	USA
TIME	17:00	TIME	17:00

FF	B215--	5379
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Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

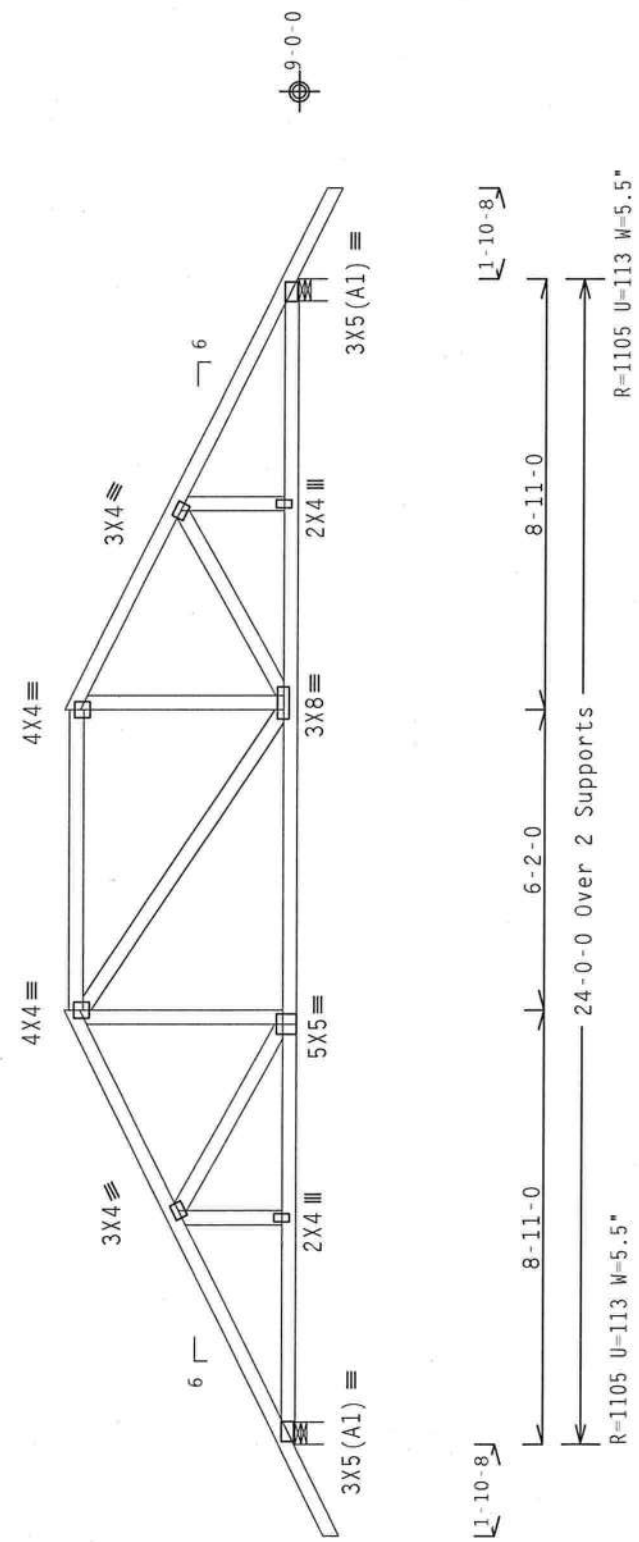
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 Gcpi(+/-)=0.18

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

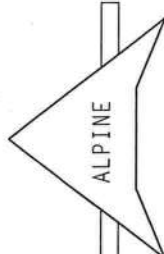
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4-9-11.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1		FL/-/5/-/-/R/-		Scale =.25"/Ft.	
	TPI-2002(STD)/FBC		TC LL 20.0 PSF		REF R215-- 53793	
 ITW Building Components Group Inc. Haines City, FL 33844 FL Certificate of Authorization # 0278	TPI-2002(STD)/FBC		TC DL 10.0 PSF		DATE 04/02/08	
	TPI-2002(STD)/FBC		BC DL 10.0 PSF		DRW HCUSR215 08093001	
	TPI-2002(STD)/FBC		BC LL 0.0 PSF		HC-ENG EC/DLJ	
	TPI-2002(STD)/FBC		TOT.LD. 40.0 PSF		SEQN- 108753	
	TPI-2002(STD)/FBC		DUR.FAC. 1.25		FROM LRB	
	TPI-2002(STD)/FBC		SPACING 24.0"		JREF- 1TGC215_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 138 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/160A (4-H/55/5) ASTM A653 GRADE 40/60 (4, 4/H/55) GALV. STEEL. APPLY ALTERNATE TOP CHORD FOR TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ADVISORY: EACH TRUSS SHALL BE INSPECTED AND APPROVED BY A PROFESSIONAL ENGINEER FOR THE TRUSS ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. 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. 2.

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

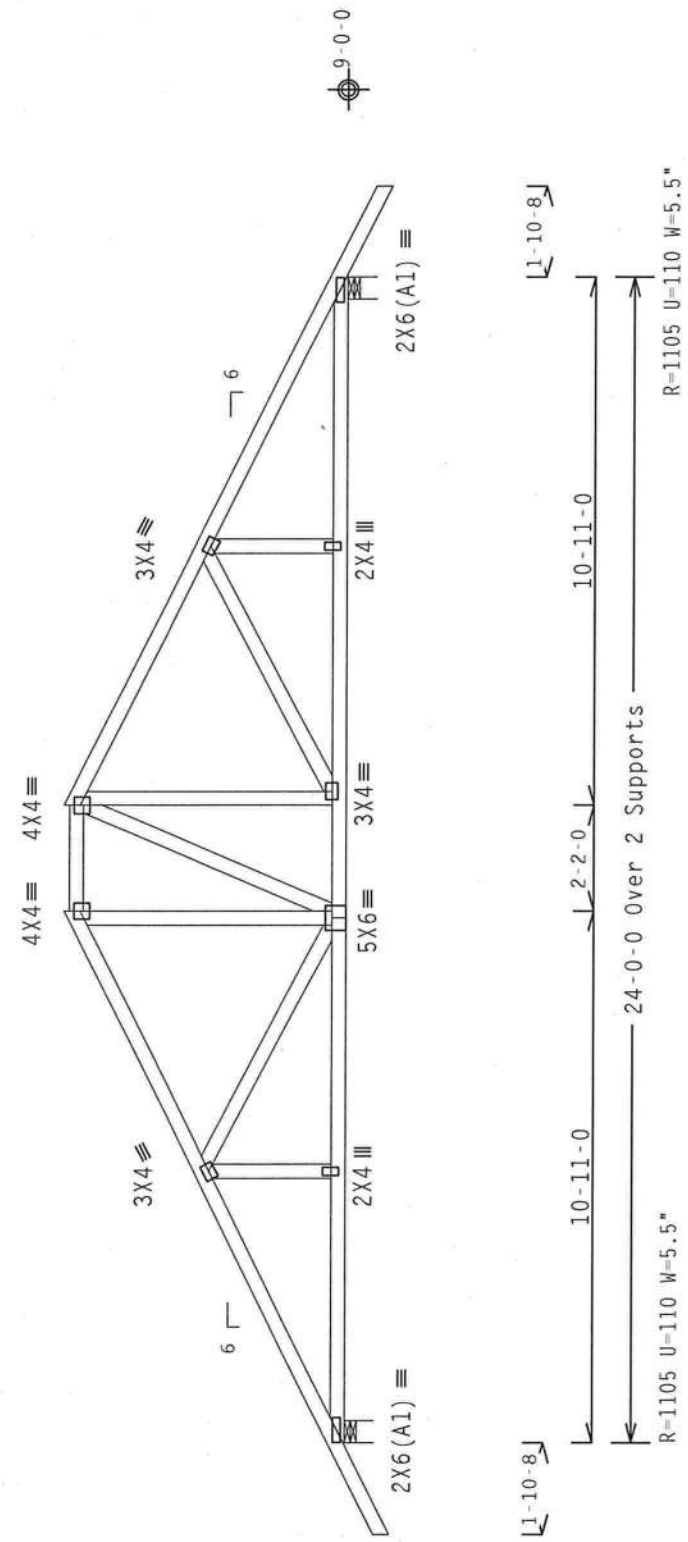
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 5-9-11.

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, lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

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

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

7.38.0810.03

QTY:1

FL/-/5/-/-/R/-

Scale = .25" /Ft.

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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/10/16GA (4-H/55/3) ASTM A653 GRADE 40/60 (4, 8/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

REF	R215--	53794
DATE	04/02/08	
DRW	HCUSR215	08093002
HC-ENG	EC/DLJ	*
SEQN-	108759	
FROM	LRB	
JREF-	1TGC215_Z01	

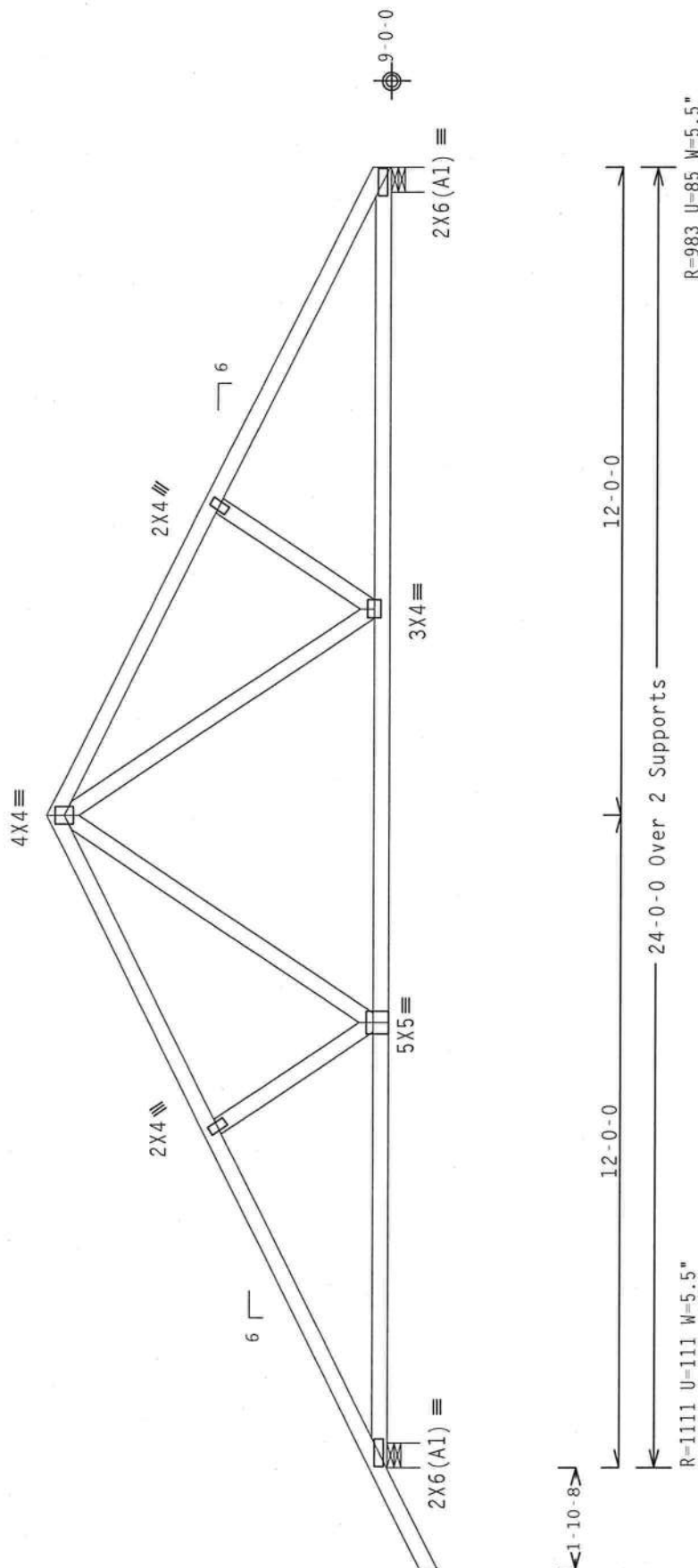
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	Webs	2x4	SP	#2	N

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-)=0.18

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 6-4-3.



Design Crit: TPI-2002(STD)/FBC

Scale = .3125" / Ft.

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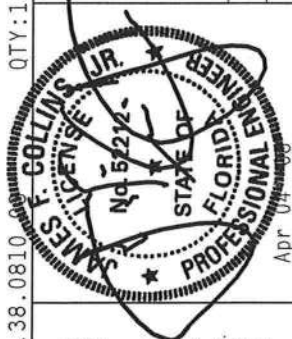
7.38.08

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

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PLT TYP. Wave

TC LL	20.0	PSF	REF	R215--	53795
TC DL	10.0	PSF	DATE	04/02/08	
BC DL	10.0	PSF	DRW	HCUSR215	08093003
BC LL	0.0	PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0	PSF	SEQN-	108801	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1TGC2I5_Z01	



Haines City, FL 33844
FL Certificate of Authorization #0 278

Haines City, FL 33844

FL Certificate of Authorization # 0 278

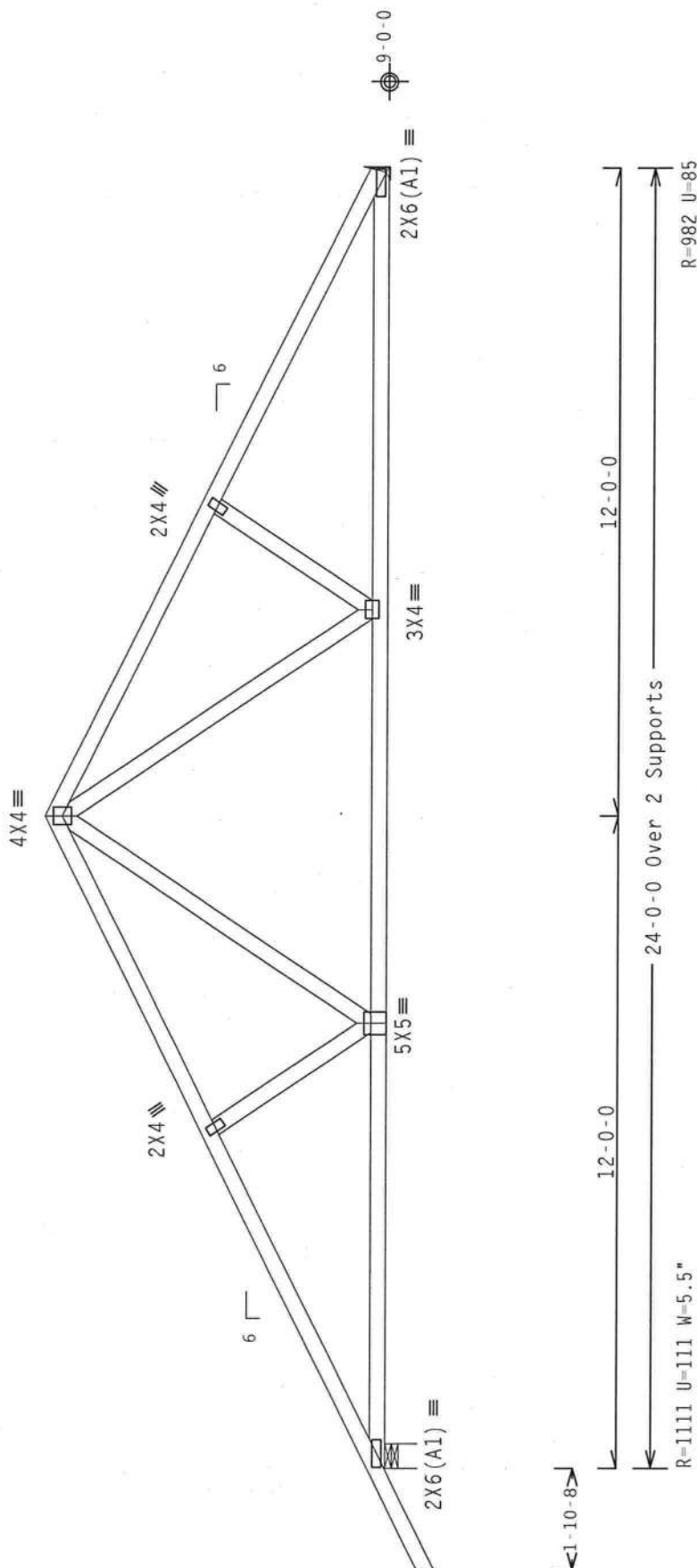
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

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

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 6-4-3.



Design Crit: TPI-2002(STD)/FBC

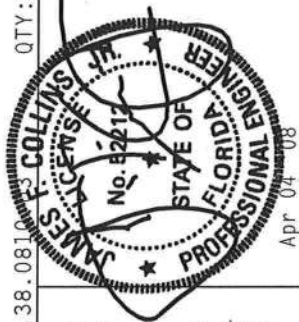
QTY:6 FL/-/5/-/-/R/-/
Scale = .3125" / Ft.

7.38.0810-23 col.

$$C_q/RT = 1.00(1.25)/0(0) \quad 7.$$

PLT TYP. Wave

TC LL	20.0 PSF	REF R215--	53796
TC DL	10.0 PSF	DATE	04/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08093017
BC LL	0.0 PSF	HC-ENG	EC/DLJ
TOT.LD.	40.0 PSF	SEQN-	108881
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TGC215.Z01



Haines City, FL 33844
FL Certificate of Authorization #0 278

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "1" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min)nails @ 6

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

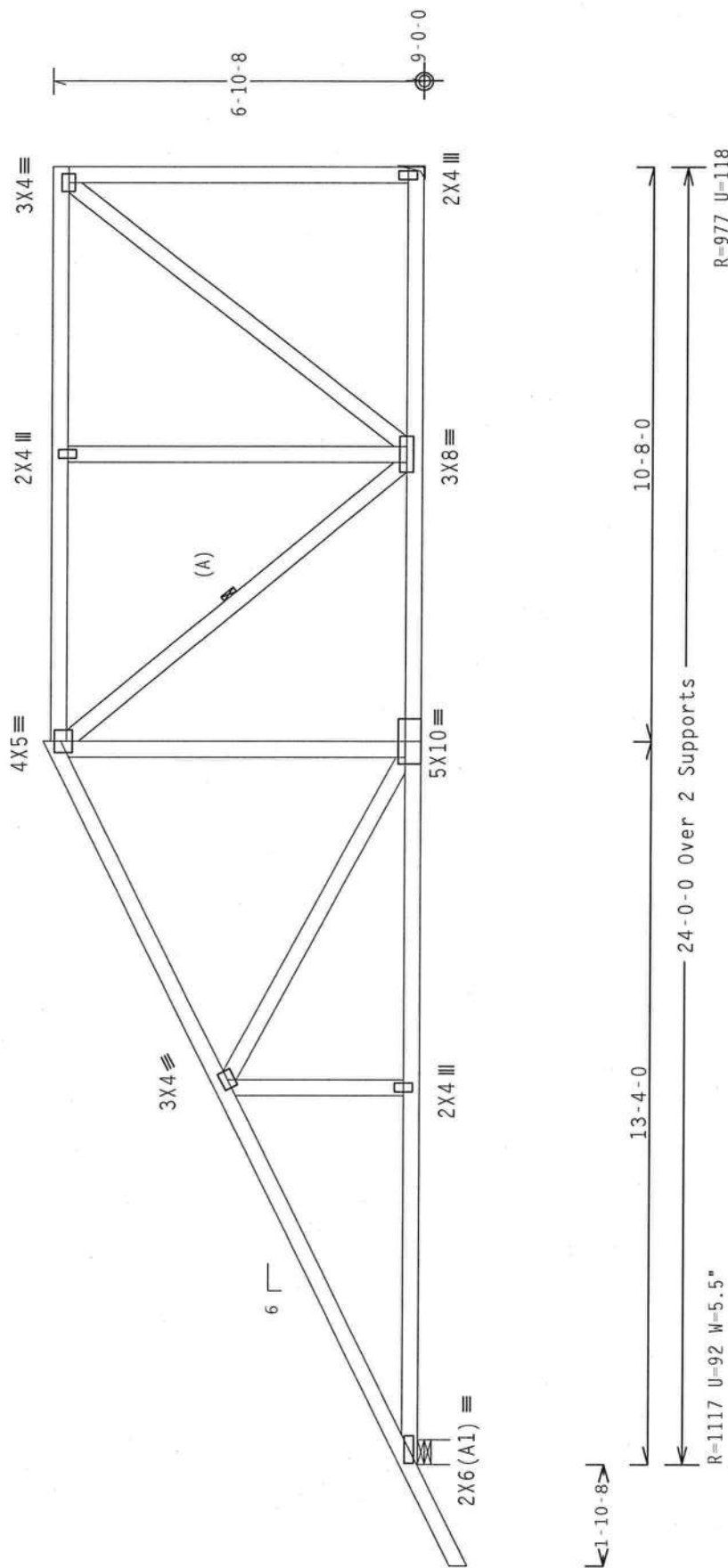
110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 7-0-3.



Design Crit: TPI-2002(STD)/FBC

Scale = .3125"/Ft.

QTY:1 FL/-/5/-/-/R/-/

7.38.0810

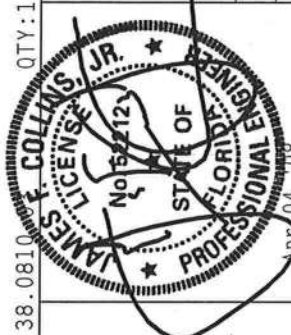
$$Cq/RT=1.00(1.25)/0(0)$$

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PLT TYP. Wave

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND AIA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MAISON, MI 48375) FOR TRUSS PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHORD SHALL HAVE

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILATIONS FROM THIS DESIGN IF FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING UNDESIGNED DETAILS RESULTS IN DAMAGE TO THE TRUSS. THE DESIGNER HAS NO LIABILITY FOR EMBELLISHMENTS OR MODIFICATIONS TO THE TRUSS DESIGN. THE TRUSS DESIGN MUST COMPLY WITH ALL APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA. OR 17/15/PA. ASTM A653 GRADE 40/90. CH. X-70.5 GALV. STEEL. 16GA.-2 PLATES TO EACH FACE OF TRUSS AND OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 16GA.-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER ANNEX A3 OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSYS/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF	R215 - -	53797
TC DL	10.0 PSF	DATE	04/02/08	
BC DL	10.0 PSF	DRW	HCUSR215	08093018
BC LL	0.0 PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0 PSF	SEQN-	108998	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1TGC215_Z01	

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

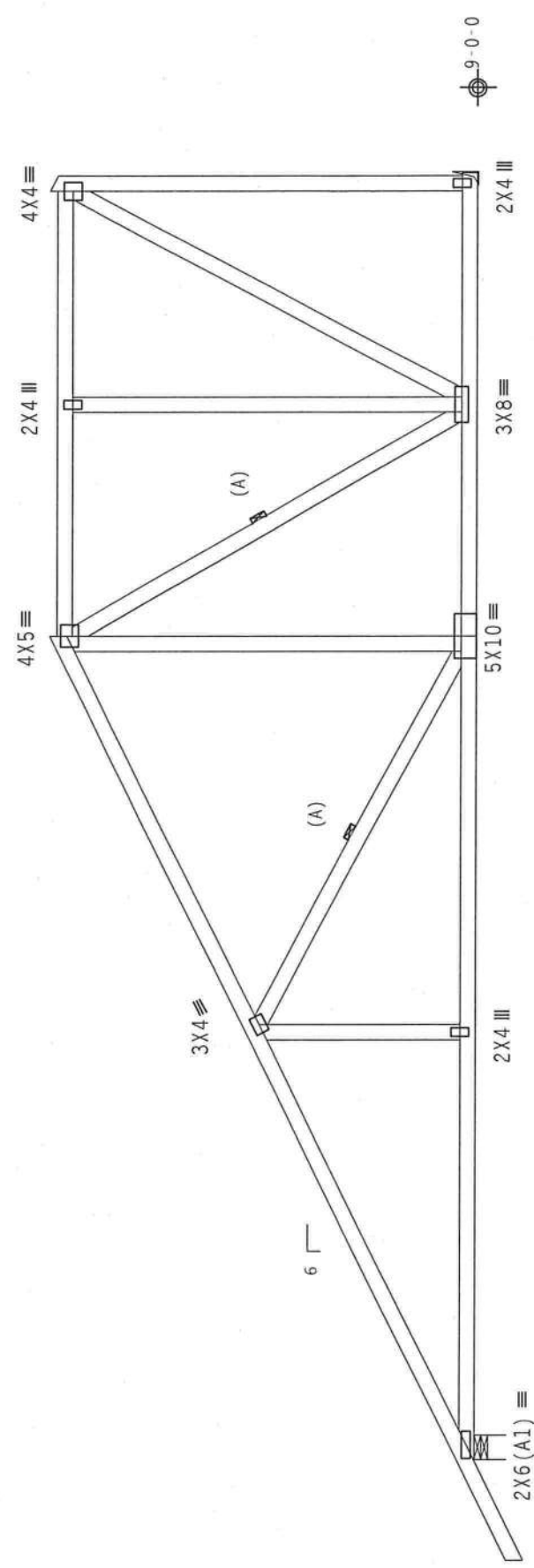
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $lw=1.00$ GCpl(+/-)=0.18

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 8-0-3.



L<1-10-8>

15-4-0

8-8-0

24-0-0 Over 2 Supports

R=1115 U=84 W=5.5"

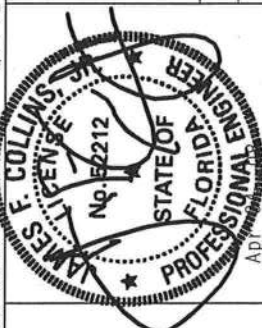
R=978 U=120

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:1 FL/-5/-/-/R/- Scale =.3125"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2016/10GA (4.4/55/7X) ASTM A653 GRADE 40/60 (N. KYN-SS) GALV. STEEL. APPLY PROTECTIVE COATING TO ALL EXPOSED SURFACES. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN INCHES. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PERFORMED ON THE DESIGN, POSITION PER DRAWINGS 100A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R215--	53798
TC DL	10.0 PSF	DATE	04/02/08	
BC DL	10.0 PSF	DRW	HCUSR215	08093030
BC LL	0.0 PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0 PSF	SEQN-	108993	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1TGC215_Z01	

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

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

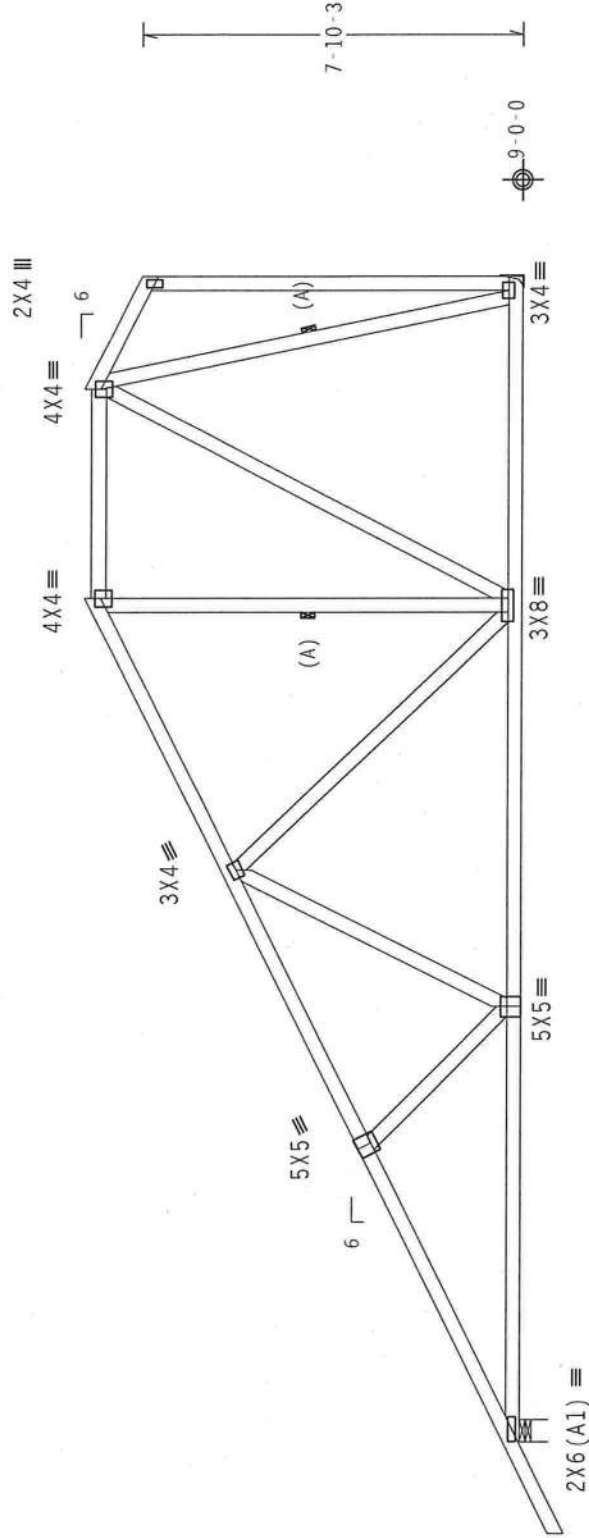
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 9-0-3.



L1-10-8J

17-4-0

24-0-0 Over 2 Supports

R=1117 U=85 W=5.5"

R=977 U=116

Design Crit: TPI-2002(STD)/FBC

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

7.38.0810.02

QTY:1

FL/-/5/-/-/R/-

Scale =.25"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/ASA) AND TPI. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R215--	53799
TC DL	10.0 PSF	DATE	04/02/08	
BC DL	10.0 PSF	DRW	HCUSR215	08093019
BC LL	0.0 PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0 PSF	SEQN-	108987	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1TGC215_Z01	



Haines City, FL 33844
FL Certificate of Authorization #0278

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

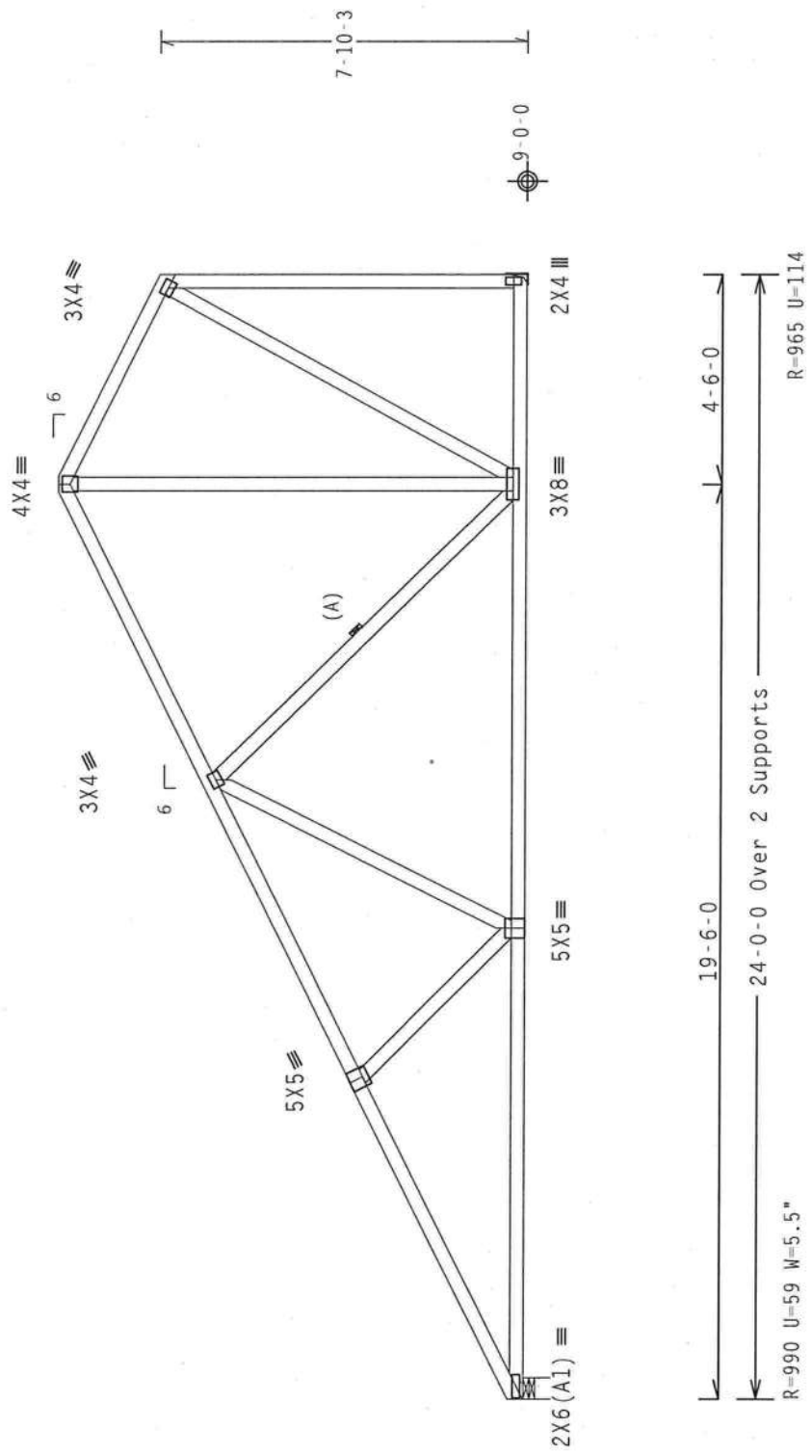
Deflection meets L/240 live and L/180 total load.

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. $1w=1.00 GCP(+-)=0.18$

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 10-0-3.



Design Crit: TPI-2002(STD)/FBC

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

7.38.0810.03

QTY:1

Scale = .25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI, TRUSS PLATE INSTITUTE, 110 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2010/1600 (4-M/55/73) ASTM A555 GRADE 40/60 (4, 8/M,55) GALV. STEEL. APPLY PROTECTIVE COATING TO ALL EXPOSED SURFACES. UNLESS OTHERWISE INDICATED OR THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PERFORMED BY A QUALIFIED PERSONNEL FOR THE TRUSS COMPANY THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	FL / - / 5 / - / - / R / -	Scale = .25" / Ft.
TC DL	10.0 PSF		REF R215 - - 53800
BC DL	10.0 PSF		DATE 04/02/08
BC LL	0.0 PSF		DRW HCUSR215 08093020
TOT.LD.	40.0 PSF		HC-ENG EC/DLJ
DUR.FAC.	1.25		SEQN- 108978
SPACING	24.0"		FROM LRB
			JREF- 1TGC215_Z01

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0278

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Left end vertical not exposed to wind pressure.

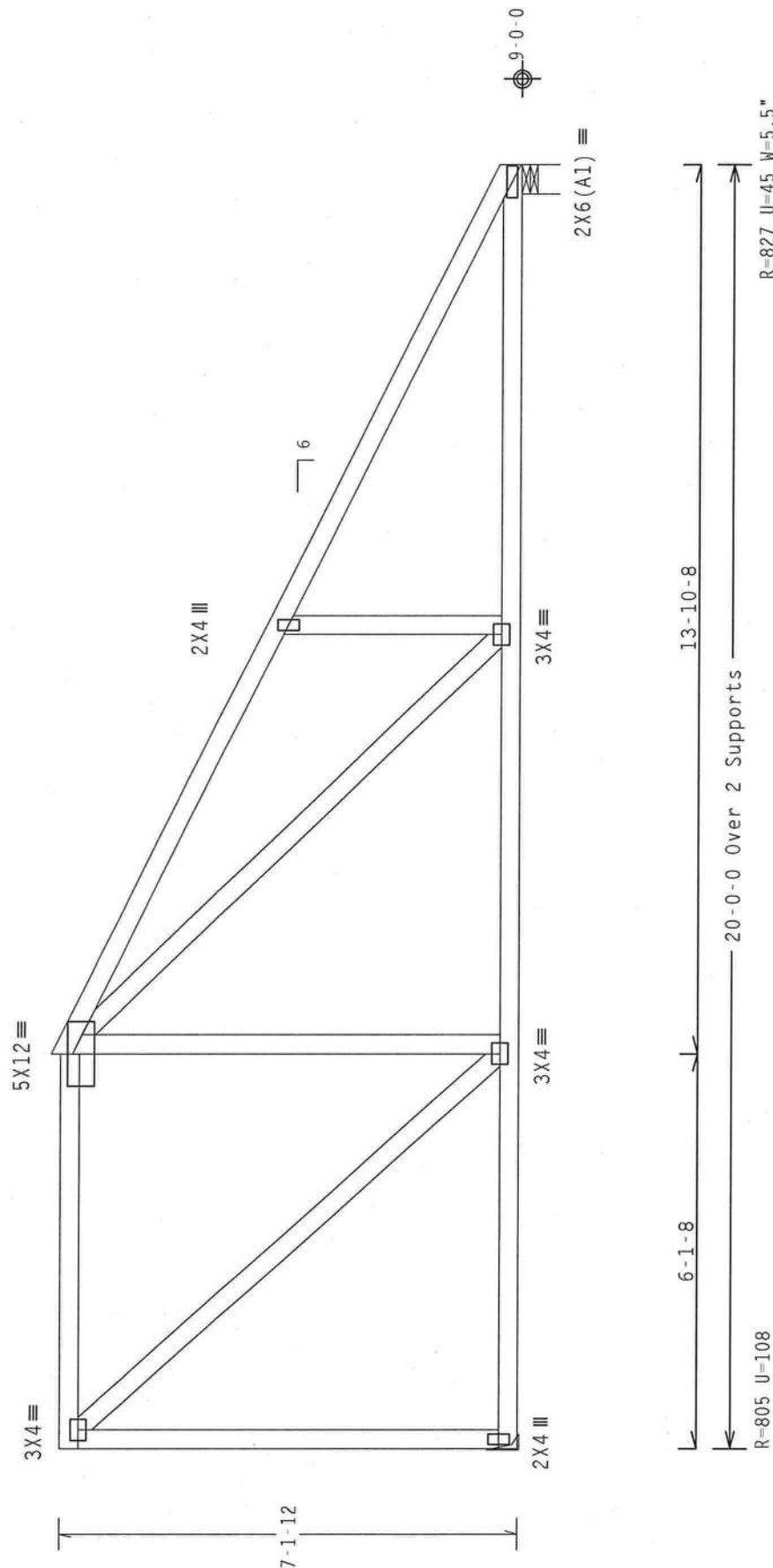
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 7-3-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

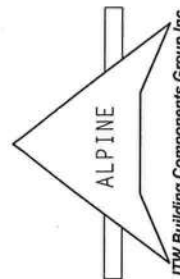
7.38.0810

QTY:1 FL/-/5/-/-/R/-

Scale = .375"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGNER CONFORMS WITH APPLICABLE PROVISIONS OF RDS (NATIONAL DESIGN SPEC. BY AIA/ASCE) AND TPI. ITW BCG CORRELATOR PLATES ARE MADE OF 2017/16GA (4-N/55/5) ASTM A653 GRADE 40/60 (4, 8/11-55) GALV. STEEL. APPLY ANY TENSION OR COMPRESSION STRESS TO THE TRUSS. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING DESIGN. THE SUIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF	R215--	53802
TC DL	10.0 PSF	DATE	04/02/08	
BC DL	10.0 PSF	DRW	HCUSR215	08093022
BC LL	0.0 PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0 PSF	SEQN-	109030	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	ITGC215_Z01	

Top	chord	2x4	SP	#2	N
3ot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

1110 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. lw=1.00 GCpi(+/-)=0.18

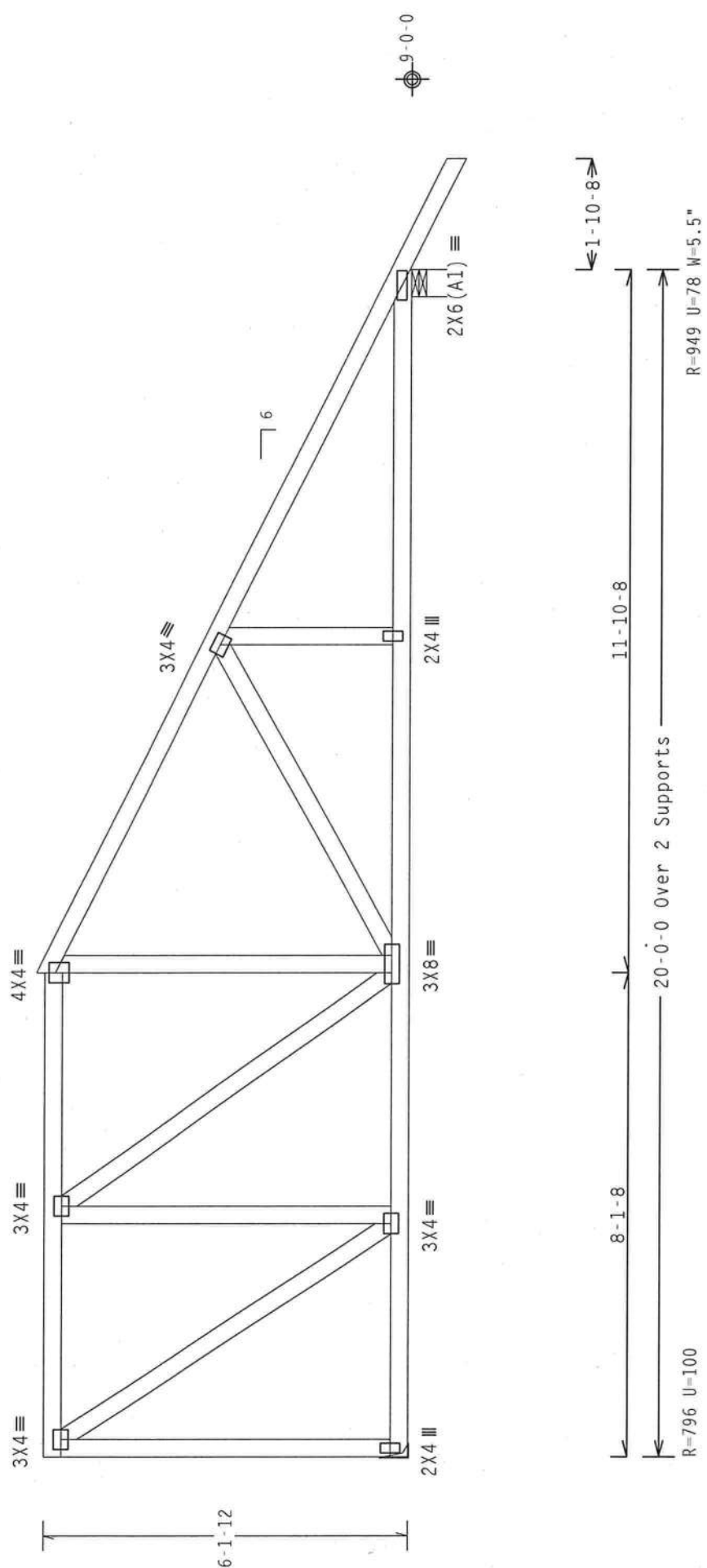
left end vertical not exposed to wind pressure.

Wind reactions based on MWFRS pressures.

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 6-3-7.



Design Crit: TPI-2002(STD)/FBC

Scale = .375" / Ft.

QTY:1 FL/-/5/-/-/R/-/

7.38.0810.03

PI-200Z (STD) / FBC
Cq/RT=1.00 (1.25) / 0(0)

PLOT TYP. Wave

TC LL	20.0	PSF	REF R215--	53803
TC DL	10.0	PSF	DATE	04/02/08
BC DL	10.0	PSF	DRW	HCUSR215 08093023
BC LL	0.0	PSF	HC-ENG	EC/DLJ
TOT.LD.	40.0	PSF	SEQN-	109036
DUR.FAC.	1.25		FROM	LRB
SPACING	24.0"		JREF-	1TGC215_Z01



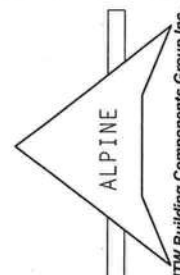
WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO RCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 EMERSON LANE, SALEM, OH 43081, TEL. 614/393-1100, FAX 614/393-1101) 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 RIGID SELLING.

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 COMPLIANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. FOR STEEL, AISC 360-16, AND AISC 305-16, AND THE FOLLOWING ADDITIONAL PROVISIONS:

CONNECTOR PLATES ARE MADE OF 2018/146A (H-W/SS/SS) ASTM A563 GRADE 40/60 (H, F/HS-SS) GALV., STEEL, APPLIED TO EACH PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844

Haines City, FL 33844
FL Certificate of Authorization #0 278

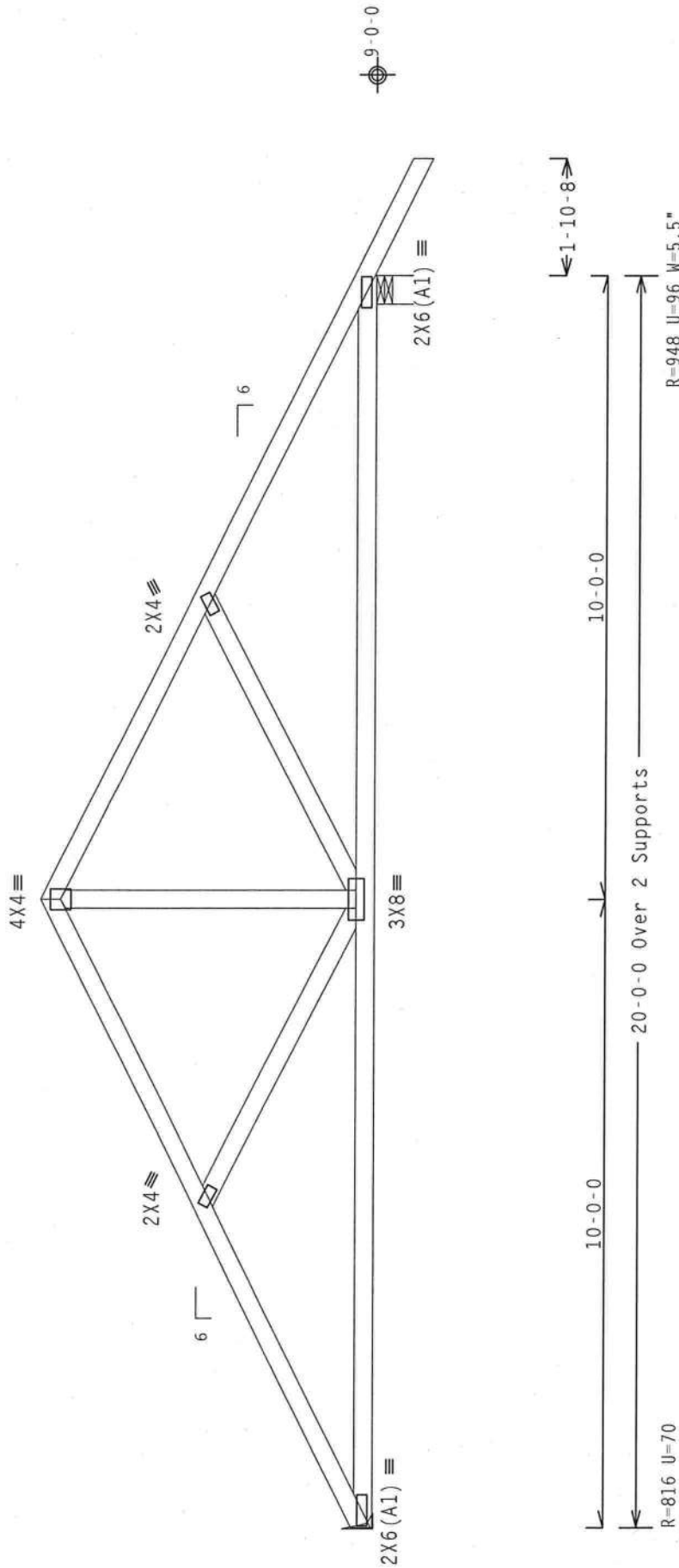
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 5-4-3.

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

Wind reactions based on MMFRS pressures.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

7.38.0810.02

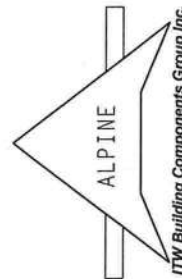
QTY:5

FL/-/5/-/-/R/-

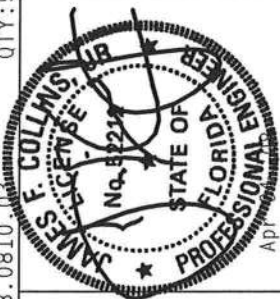
Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITM BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization # 0278



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

REF	R215--	53804
DATE	04/02/08	
DRW	HCUSR215	08093024
HC-ENG	EC/DLJ	
SEQN	109042	
FROM	LRB	
JREF	1TGC215_Z01	

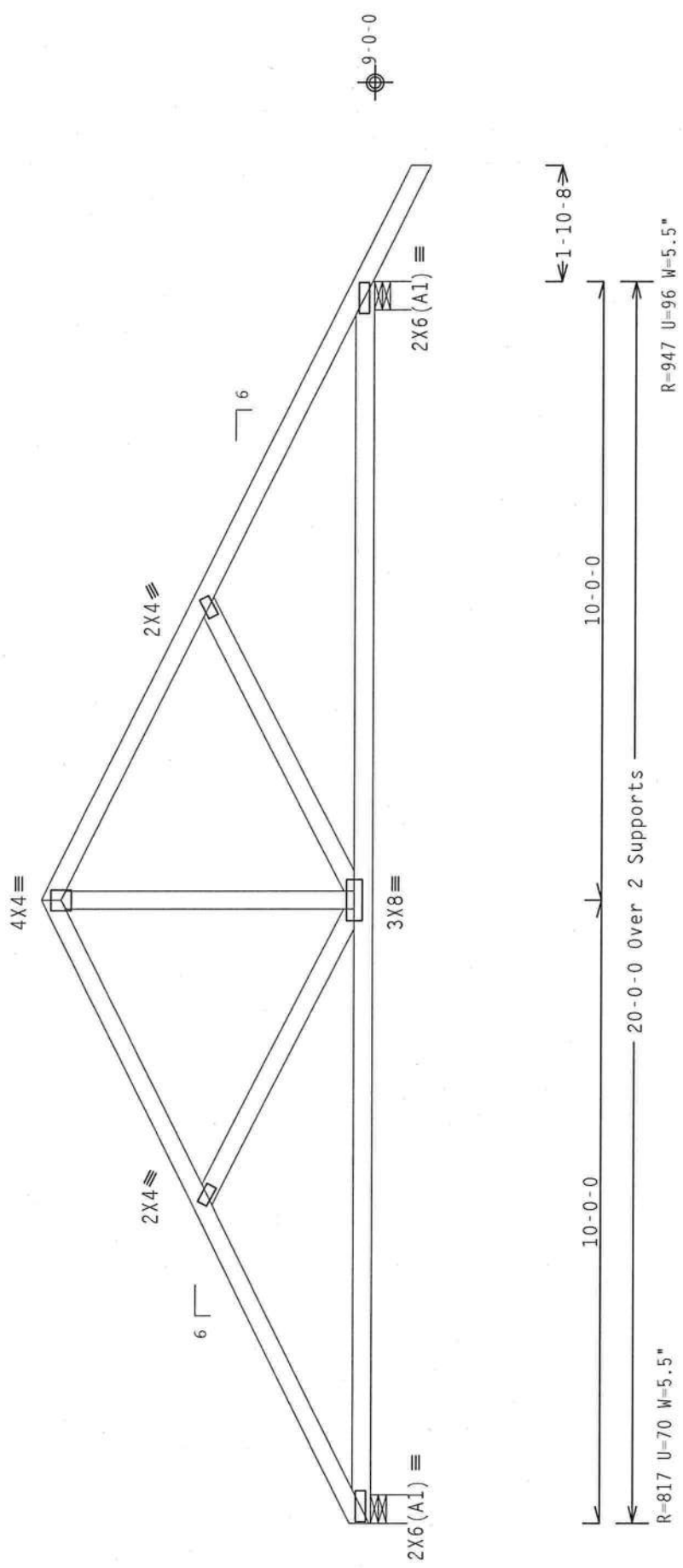
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 5-4-3.



PLT TYP. Wave

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

7.38.0810

Scale = .375"/Ft.

ALPINE

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

QTY:1

FL/-/5/-/-/R/-

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R215--	53805
TC DL	10.0 PSF	DATE	04/02/08	
BC DL	10.0 PSF	DRW	HCUSR215	08093004
BC LL	0.0 PSF	HC-ENG	EC/DLJ	*
TOT.LD.	40.0 PSF	SEQN	109047	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF	1TGC215_Z01	

JAMES F. COLLINS, JR.

FLORIDA PROFESSIONAL ENGINEER

NO. 92212

STATE OF FLORIDA

APR 04 00

WARNING

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

IMPORTANT

FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEP) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 20/10/10GA (4.4/55/7X) ASTM A653 GRADE 40/60 (N. K/11-SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWING. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

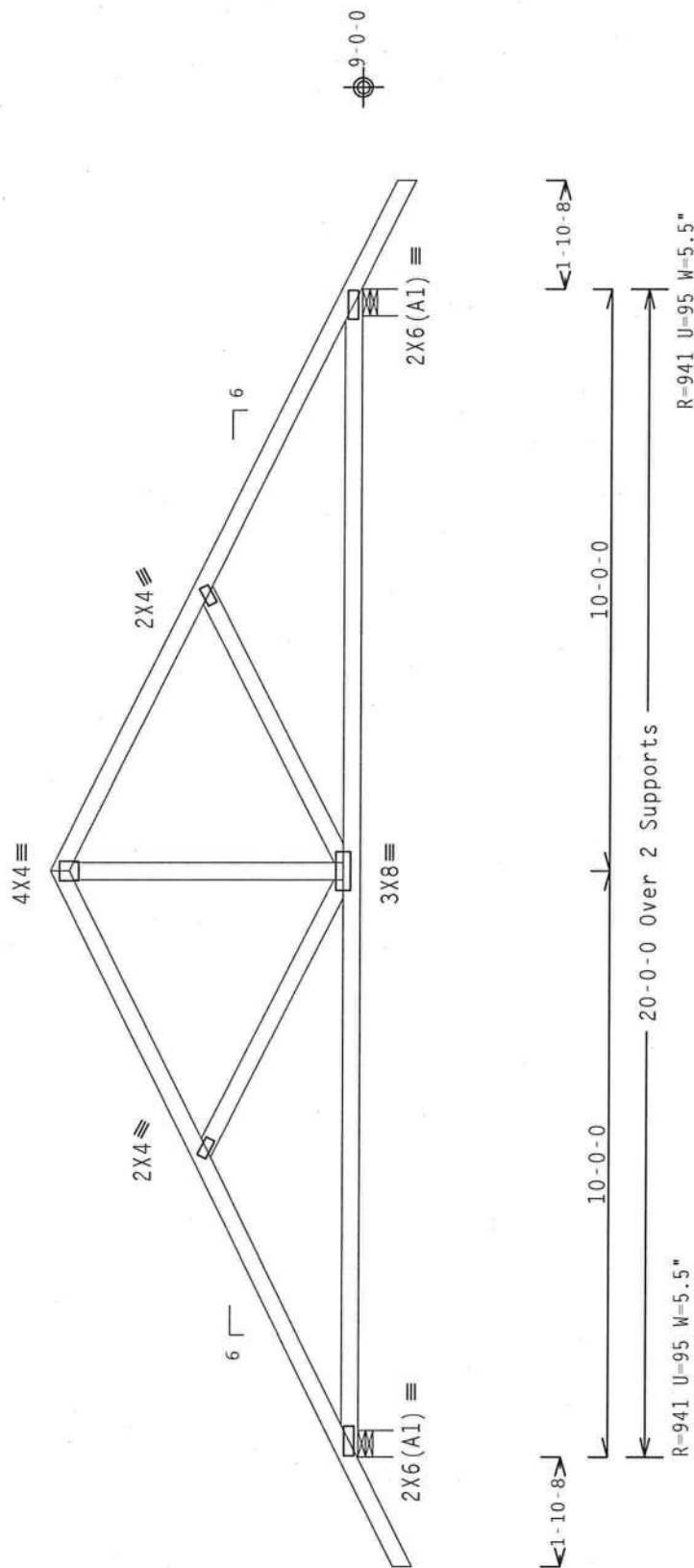
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 5-4-3.



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

Scale = .3125"/Ft.

QTY:6 FL/-/5/-/-/R/-/-

7.38.0810

7.

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

Design: 1000

PLT TYP. Wave

TC LL	20.0	PSF	REF	R215--	53806
TC DL	10.0	PSF	DATE	04/02/08	
BC DL	10.0	PSF	DRW	HCUSR215	08093005
BC LL	0.0	PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0	PSF	SEQN-	109052	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1TGC215	Z01

A circular professional engineer seal for James F. Gullings, Jr., State of Florida, License No. 52212. The seal is stamped over the signature. To the right of the seal, the date "Apr 04 2008" is stamped vertically.

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

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPI BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DELVIATION FROM THIS DESIGN. ANY FACTORS TO BE OBSERVED IN THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING, BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE REQUIREMENTS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. TPI BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/155X/3) ASTM A653 GRADE 40/60 (W. K/1-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

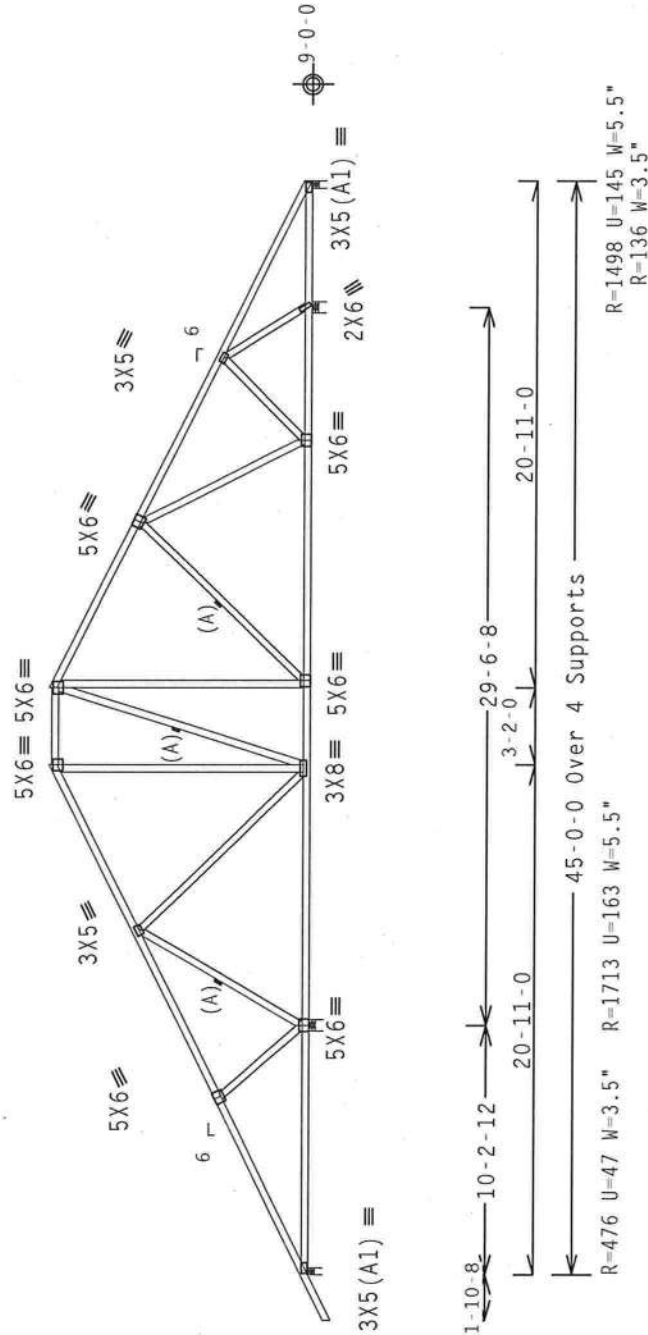
The overall height of this truss excluding overhang is 10-9-11.

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

Wind reactions based on MMFRS pressures.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002 (STD) /FBC

PLT TYP. Wave

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

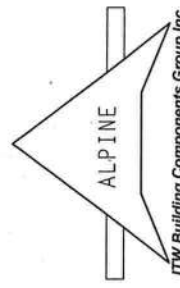
7.38.0810

QTY:1

Scale = .125" / Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/K) ASTM A653 GRADE 40/60 (4, 8/H-55) GALV. STEEL. APPLY A LAYER OF TOP COAT OF PAINT TO ALL EXPOSED SURFACES OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SEC. 3.1. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF	R215--	53807
TC DL	10.0 PSF	DATE	04/02/08	
BC DL	10.0 PSF	DRW	HCUSR215	08093025
BC LL	0.0 PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0 PSF	SEQN-	108874	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	ITGC215_Z01	

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

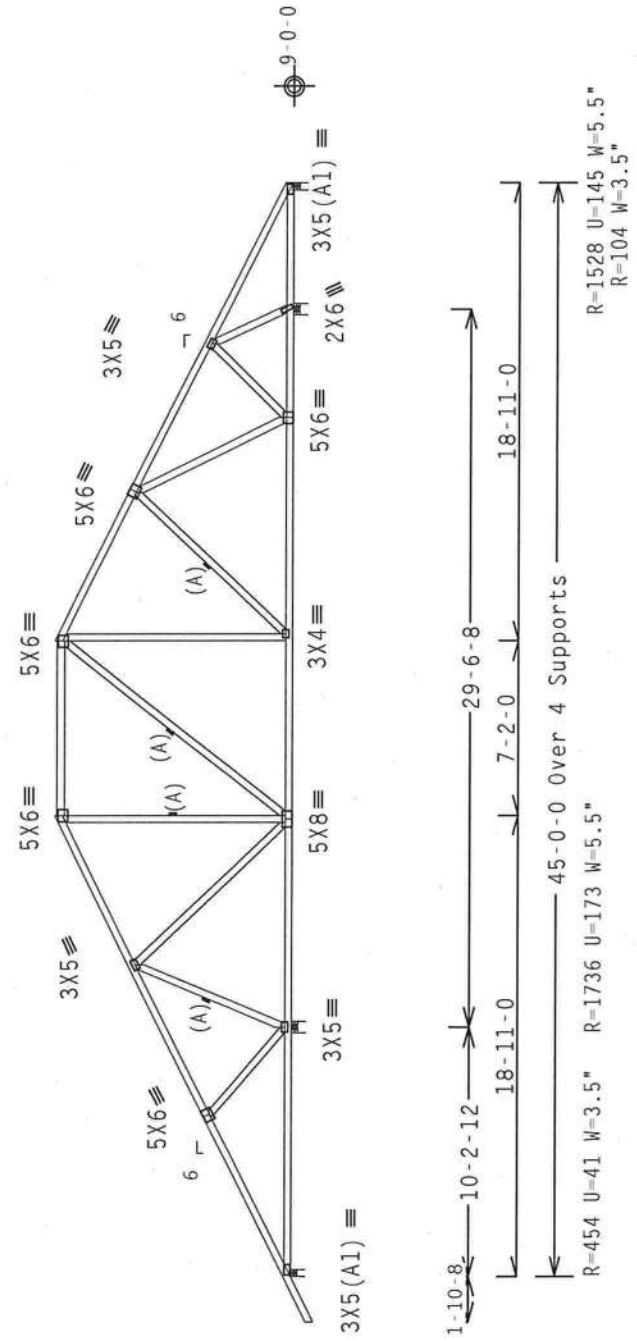
The overall height of this truss excluding overhang is 9-9-11.

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

Wind reactions based on MMFRS pressures.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



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

PLT TYP. Wave	Scale = .125" / Ft.
REF R215-- 53808	TC LL 20.0 PSF
DATE 04/02/08	TC DL 10.0 PSF
DRW HCUSR215 08093026	BC DL 10.0 PSF
HC-ENG EC/DLJ	BC LL 0.0 PSF
SEQN- 108867	TOT.LD. 40.0 PSF
FROM LRB	DUR.FAC. 1.25
JREF- 1TGC215_Z01	SPACING 24.0"

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/SS/X) ASTM A653 GRADE 40/60 (4, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. (1) SHALL BE PERMANENT AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROVISIONS OF THIS SHEET FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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FL Certificate of Authorization # 0 278



(5350-Elfers, Fred and Ann (Res /EDGELY CONSTRUCTION -- Lot 31 Cannon Creek Afp - A18)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

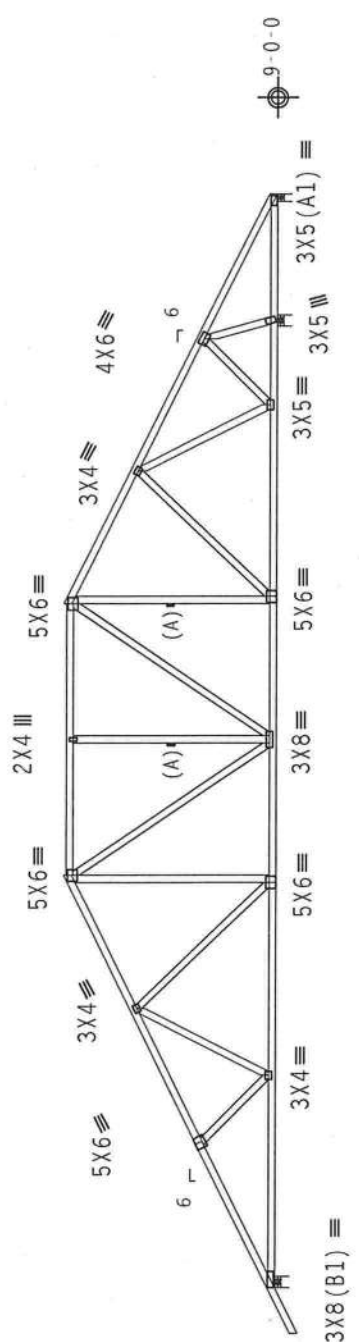
The overall height of this truss excluding overhang is 8-9-11.

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

Wind reactions based on MWFRS pressures.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



1-10-8
16-11-0
39-9-4
11-2-0
16-11-0
45-0-0 Over 3 Supports
R=1736 U=169 W=5.5"
R=2088 U=222 W=5.5"
R=0 RW=27 W=3.5"

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

PLT TYP. Wave	QTY: 1	FL / - / 5 / - / - / R / -	Scale = .125" / Ft.
REF R215-- 53809	TC LL	20.0 PSF	
DATE 04/02/08	TC DL	10.0 PSF	
DRW HCUSR215 08093027	BC DL	10.0 PSF	
HC-ENG EC/DLJ	BC LL	0.0 PSF	
SEQN- 108859	TOT.LD.	40.0 PSF	
FROM LRB	DUR.FAC.	1.25	
JREF- 1TGC215_Z01	SPACING	24.0"	

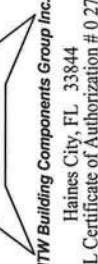
WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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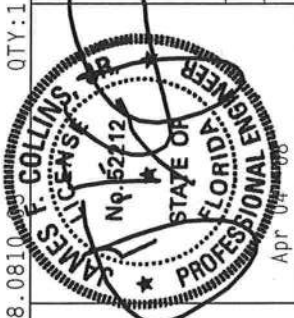
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (0.01875") ALUMINUM 6063 GRADE 40/60 (0.01875") GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. DRAGING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING DESIGN. A SEAL ON THIS DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE

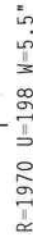


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FL Certificate of Authorization # 0 278



JAMES COLLINS
No. 5212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Apr 04 2008

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



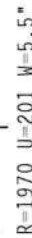
ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

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

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 5-9-11. Contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



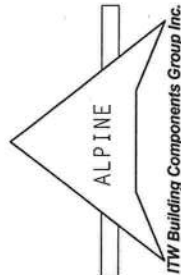
QTY:1 FL/-/5/-/-/R/-
Scale = .125"/Ft.

0810.03

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

Professional Engineer Seal for James F. Collins, State of Florida, License No. 5224-E, dated Apr 1998.

TC LL	20.0 PSF	REF R215--	53812
TC DL	10.0 PSF	DATE	04/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08093007
BC LL	0.0 PSF	HC-ENG	EC/DLJ *
TOT.LD.	40.0 PSF	SEQN-	108839
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	19EE-	1T5C21- 701



ITW Building Components Group Inc.

Haines City, FL 33844

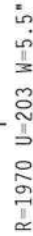
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCpi(+/-)=0.18

located within 6.50 ft from roof edge, CAI II, EXP B, wind IC
DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4-9-11.



QTY:1 FL/-/5/-/-/R/-/
Scale =.125"/Ft.

7-38-0810-0945

OTY:1

TC LL	20.0 PSF	REF	R215 - - 53813
TC DL	10.0 PSF	DATE	04/02/08

BC DL	10.0 PSF	HC-ENG EC/DLJ	DRW HCUR215 08093008
BC LL	0.0 PSF	SEQN- 108833	
TOT.LD.	40.0 PSF	FROM LRB	
DUR.FAC.	1.25		
SPACING	24.0"		



Haines City, FL 33844
 FI Certificate of Authorization # 0 278

Top chord 2x4 SP #2 N :T2, T3 2x6 SP #2 N:
Bot chord 2x6 SP #2 N :B2 2x6 SP #2 Dense:
Webs 2x4 SP #2 N

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

Wind reactions based on MWFRS pressures.

#1 hip supports 7'-0" jacks W/2 panel TC and no end vert.

Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation
contractor. Special care must be taken during handling, shipping
and installation of trusses. See "WARNING" note below.

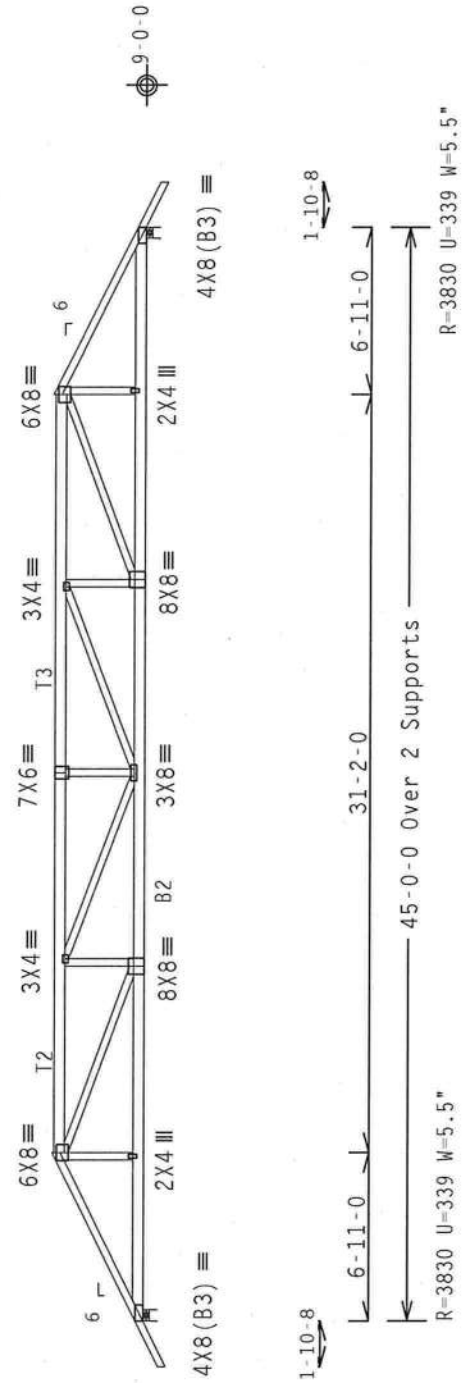
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun-nails)
Top Chord: 1 Row @ 4'-00" o.c.
Bot Chord: 1 Row @12'-00" o.c.
Webs : 1 Row @ 4' o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

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

Calculated vertical deflection is 0.54" due to live load and
0.57" due to dead load at X = 22'-6"-0.

The overall height of this truss excluding overhang is 3'-9"-11.



Design Crit: TPI-2002(STD)/FBC

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

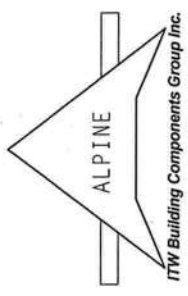
7.38.0810

QTY:1 FL/-/5/-/-/R/-

Scale =.125"/Ft.

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

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TC LL	20.0 PSF	REF	R215--	53814
TC DL	10.0 PSF	DATE	04/02/08	
BC DL	10.0 PSF	DRW	HCUSR215	08093029
BC LL	0.0 PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0 PSF	SEQN-	108808	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1TGC215_Z01	

Top chord 2x6 SP #2 N :T3 2x6 SP #2 Dense:
Bot chord 2x8 SP SS :B1 2x8 SP #2 N:
Webs 2x4 SP #2 N
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.748'

SPECIAL LOADS

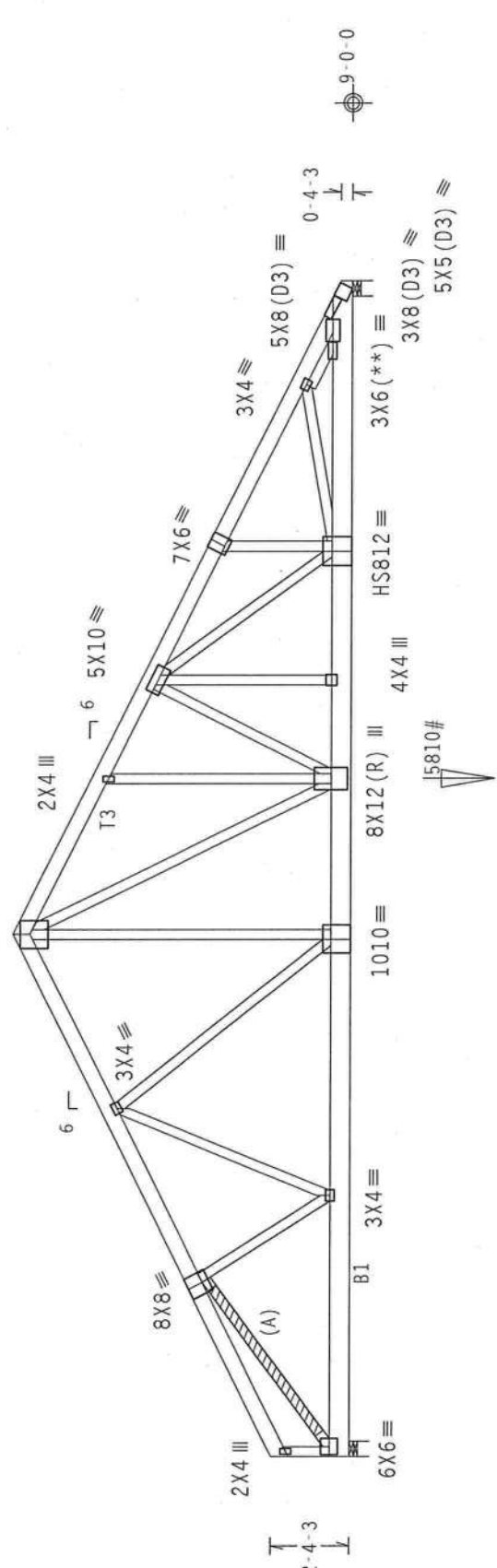
- TC - From 62 PLF at -0.00 to 62 PLF at 15.50
- TC - From 62 PLF at 15.50 to 62 PLF at 34.49
- BC - From 20 PLF at 0.00 to 20 PLF at 35.00
- BC - 5810 LB Conc. Load at 20.13
- BC - 805 LB Conc. Load at 21.06
- BC - 796 LB Conc. Load at 23.06
- BC - 816 LB Conc. Load at 25.06, 27.06, 29.06, 31.06, 33.06

Wind reactions based on MMFRS pressures.

Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 10-1-3.

1010 =



15-6-0
35-0-0 Over 2 Supports
19-6-0
R=5118 U=545 W=5.5"
R=9225 U=931 W=5.5"

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @ 4.00" O.C.
Bot Chord: 1 Row @ 4.75" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

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

Deflection meets L/240 live and L/180 total load.

(A) SCAB BRACE. 80% LENGTH OF WEB MEMBER. SAME SIZE, SPECIES & GRADE OR BETTER. ATTACH WITH 10d NAILS (0.128"x3.0",min.) @ 6" OC.

Design Crit: TPI-2002(STD)/FBC

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

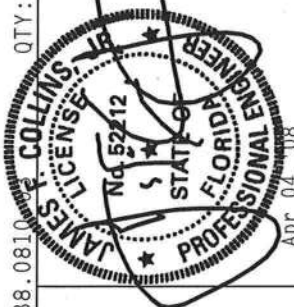
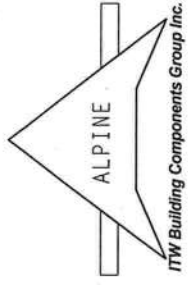
7.38.0810

QTY:1

Scale = .1875"/Ft.

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TC LL	20.0 PSF	REF	R215--	53815
TC DL	10.0 PSF	DATE	04/02/08	
BC DL	10.0 PSF	DRW	HCUSR215	08093049
BC LL	0.0 PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0 PSF	SEQN-	109092	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1TGC215_Z01	

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.



R=1447 U=127 W=5.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP: Wave

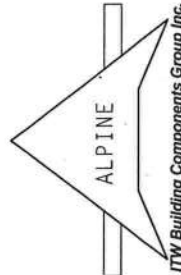
0810.03mm

OTY:1 E11-151-1-1R1-

Scale = .1875"/Ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS' (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE THUSSE PLANT INSTITUTE, 6200 NORTH LEE STREET, SUITE 312, AUSTIN, TEXAS 78723-4144, OR THE AMERICAN WOOD THUSSE COUNCIL OF AMERICA, 200 ENTERPRISE LANE, MADISON, WI 53719, FOR THUSSE PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0	PSF	REF	R215 - -	53816
TC DL	10.0	PSF	DATE	04/02/08	
BC DL	10.0	PSF	DRW	HCUSR215	08093009
BC LL	0.0	PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0	PSF	SEQN-	109098	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	ITGC215	Z01



ITW Building Components Group Inc.

Haines City, FL 33844

SPACING	24.0"
JREF-	1TGC215 Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Left end vertical not exposed to wind pressure.

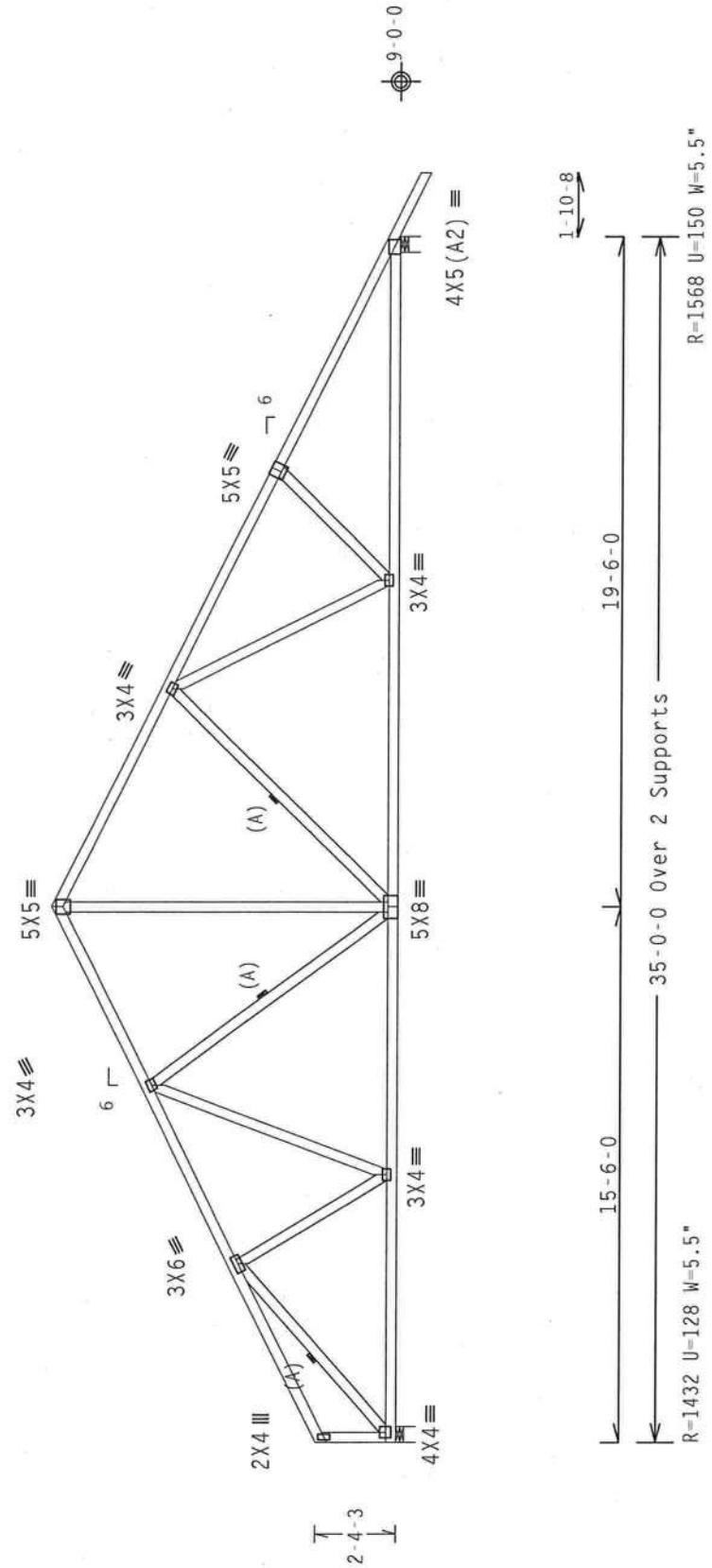
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-1-3.



Design Crit: TPI-2002(STD)/FBC

Scale = .1875" / Ft.

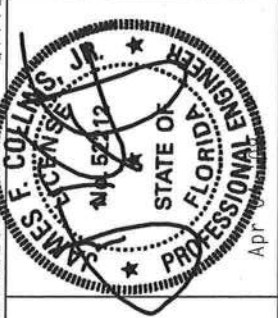
QTY: 1

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

7.38.0810.03

PLT TYP. Wave

TC LL	20.0 PSF	REF	R215 -- 53817
TC DL	10.0 PSF	DATE	04/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08093010
BC LL	0.0 PSF	HC-ENG	EC/DLJ
TOT.LD.	40.0 PSF	SEQN-	109104
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TGC215_Z01

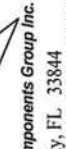


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ALPINE



ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

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

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

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

Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 10-1-3.

SEE DWG. BCFILLER1106 AND TCFILLER1106 FOR FILLER DETAILS.
LATERALLY BRACE CHORD ABOVE/BELOW FILLER AT 24" OC (OR AS
DESIGNED) INCLUDING A LATERAL BRACE ON CHORD DIRECT ABOVE/BELOW
BOTH ENDS OF FILLER IF NO RIGID DIAPHRAM EXISTS AT THAT POINT)



QTY:1 FL/-/5/-/-/R/-
Scale = .125"/Ft.

WARNING THROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PROTECT COMPLETION SAFETY INFORMATION. PUBLISHED BY THE CONGRESS OF AMERICA, 6308 NORTH LEE STREET, WADSWORTH, IL 60093. VARIOUS TYPES OF THROSSES ARE AVAILABLE FOR YOUR PROJECTS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS AND/OR PROVISIONS OF NOS (NATIONAL DESIGN SPEC.) TYPE OR FABRICATING HANDBOOKS. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE FOLLOWING DRAWINGS:

CONNECTION PLATES ARE MADE OF 70/18/16GA (A4-52/5Y) STEEL, UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 1604-2.

PLATES TO EACH FACE OF TRUSS AND, IF APPLICABLE, LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABEX 43 OF TP11-2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.

THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ABX1/TP1 1 SEC. 2.

Haines City, FL 33844

FL Certificate of Authorization #0 278

Apr 04

JREF- 1TGC215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

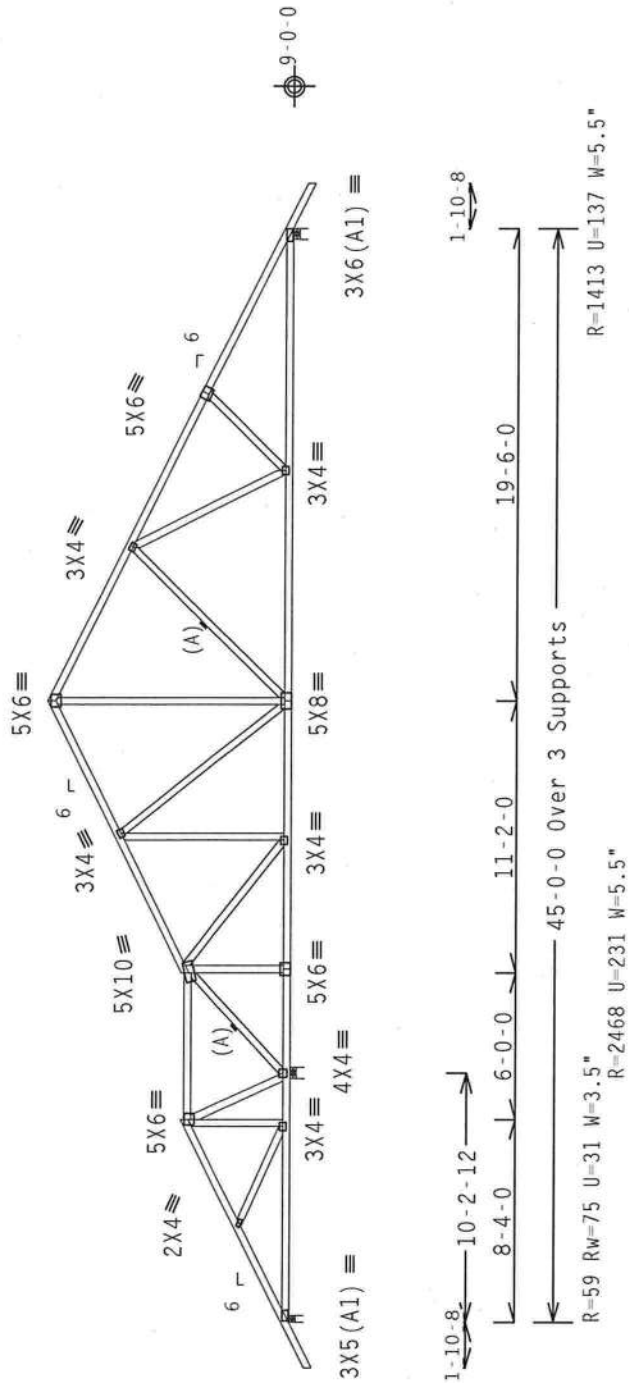
Wind reactions based on MWFRS pressures.

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-1-3.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/0(0) 7.38.0810

Scale = .125"/Ft.

QTY:1	FL/-/5/-/-/R/-	TC LL	20.0 PSF	REF	R215-- 53819
		TC DL	10.0 PSF	DATE	04/02/08
		BC DL	10.0 PSF	DRW	HCUSR215 08093032
		BC LL	0.0 PSF	HC-ENG	EC/DLJ
		TOT.LD.	40.0 PSF	SEQN-	108971
		DUR.FAC.	1.25	FROM	LRB
		SPACING	24.0"	JREF-	1TGC215_Z01

James Collins License No. 15212 State of Florida Professional Engineer

Apr 04 '08

ITW Building Components Group Inc.
Haines City, FL 33844

FL Certificate of Authorization # 0 278

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-1-3.

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

Wind reactions based on MWFRS pressures.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Scale = .125" / Ft.



Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/0(0) 7.38.0810.03

PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/-

Scale = .125" / Ft.

REF R215-- 53820

DATE 04/02/08

DRW HCUSR215 08093033

HC-ENG EC/DLJ

SEQN- 108964

FROM LRB

JREF- 1TGC215_Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

ALPINE



ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 Live and L/180 total load.

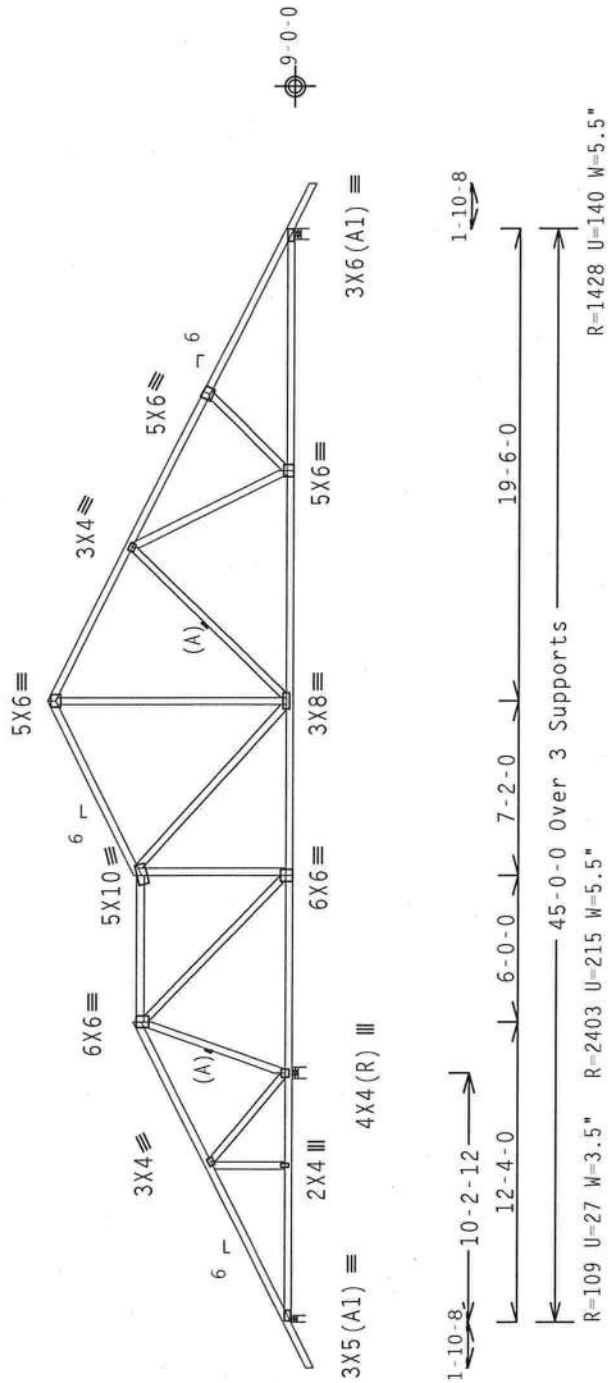
The overall height of this truss excluding overhang is 10-1-3.

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

Wind reactions based on MWFRS pressures.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

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

7.38.0810.03

QTY:1

Scale = .125"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2010/1600 (44/55/57) ASTM A555 GRADE 40/60 (4, 6/7/8/55) GALV. STEEL. APPLY PERMANENT IDENTIFICATION MARKING TO ALL CONNECTION PLATES. ITW BCG SHALL BE PERMITTED TO CONDUCT VISUAL INSPECTION OF PLATES FOLLOWED BY UT SHALL BE PERMITTED TO CONDUCT VISUAL INSPECTION OF THE TRUSS COMPONENTS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT BUILDING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

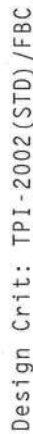
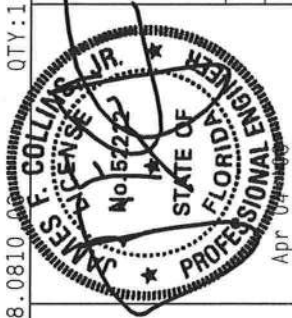


TC LL	20.0 PSF	REF	R215--	53821
TC DL	10.0 PSF	DATE	04/02/08	
BC DL	10.0 PSF	DRW	HCUSR215	08093034
BC LL	0.0 PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0 PSF	SEQN-	108956	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	ITGC215_Z01	

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

The overall height of this truss excluding overhang is 10-1-3.


$$\text{Scale} = 125'' / E +$$


FROM LRB

A32)

Airp

Cann

TION

EDGE L

and

13/-0

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min)nails @ 6"

Deflection meets L/240 live and L/180 total load.

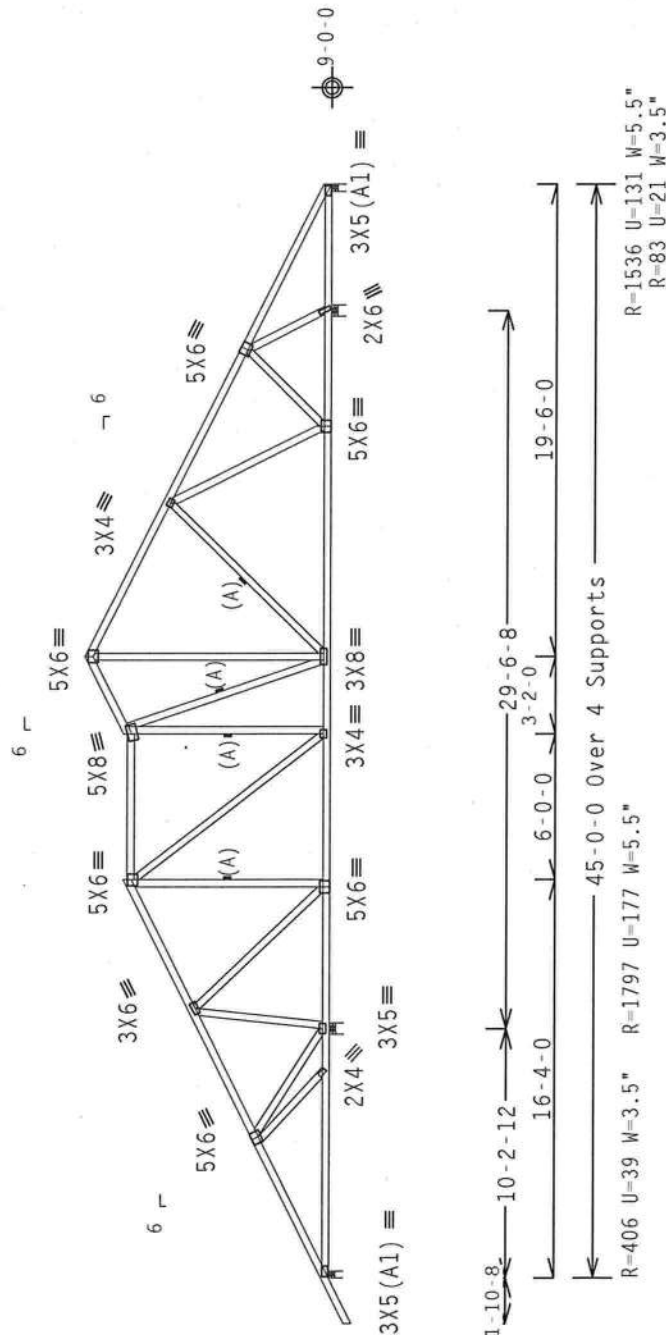
The overall height of this truss excluding overhang is 10-1-3.

1110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

 $C_0/RT=1.00(1.25)/0(0)$

7.

QTY:1

FL 1-151-1-1R1-

Scale = 125"/Ft

WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL TRUSSES MUST BE FULLY COMPACTIONED PER THE FOLLOWING: (CROSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND TYPEN 2000 TRUSS. (CROSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) FOR SAFE PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

DATE: 11/11/2023

C70CC -CTZY JY

DATE 04/02/08

ORW HCUSR215 08093036

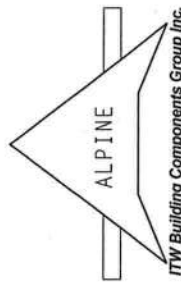
C-ENG EC/DI.1

070/07 AND 070/07

EQN- 108944

FROM LRB

URFF- 1TGC215 701



ITW Building Components Group Inc.

Haines City, FL 33844
 El Certificate of Authorization # 0 279

F.L. Certificate of Authorization # 0 Z/0

(5350-Elfers, Fred and Ann (Res /EDGELY CONSTRUCTION -- Lot 31 Cannon Creek Airp - A33)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-1-3.

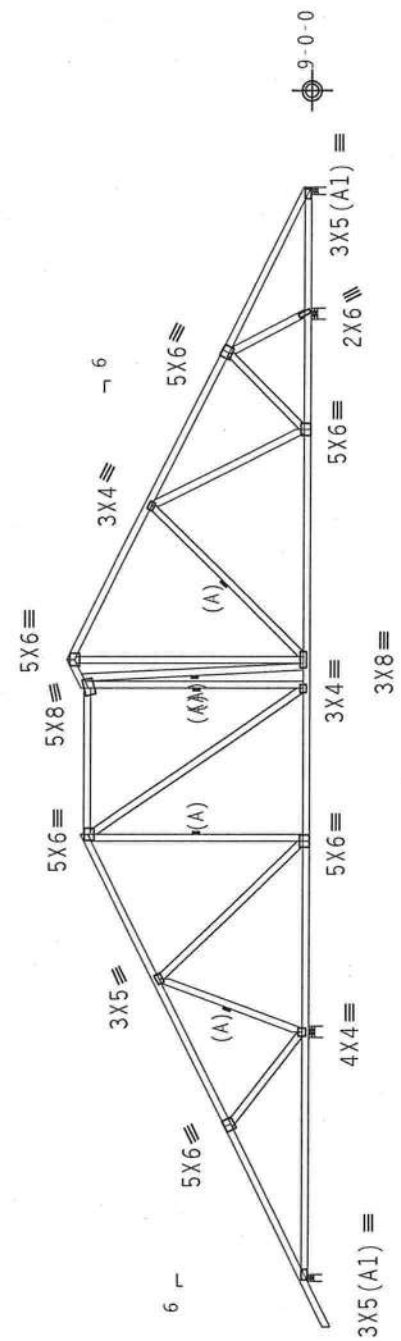
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. W=1.00 GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

6



1-10-8 10-2-12 18-4-0 29-6-8 19-6-0 45-0-0 Over 4 Supports

R=433 U=38 W=3.5" R=1763 U=179 W=5.5"

R=1533 U=129 W=5.5" R=94 U=19 W=3.5"

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/0(0) 7.38.0810.03

Scale = .125"/Ft.

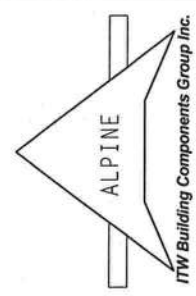
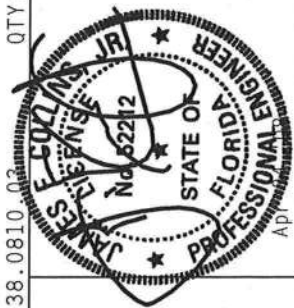
QTY:1

FL/-/5/-/-/R/-

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/K) ASTM A653 GRADE 40/60 (4, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE FABRICATION OF THE TRUSS. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization # 0278

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

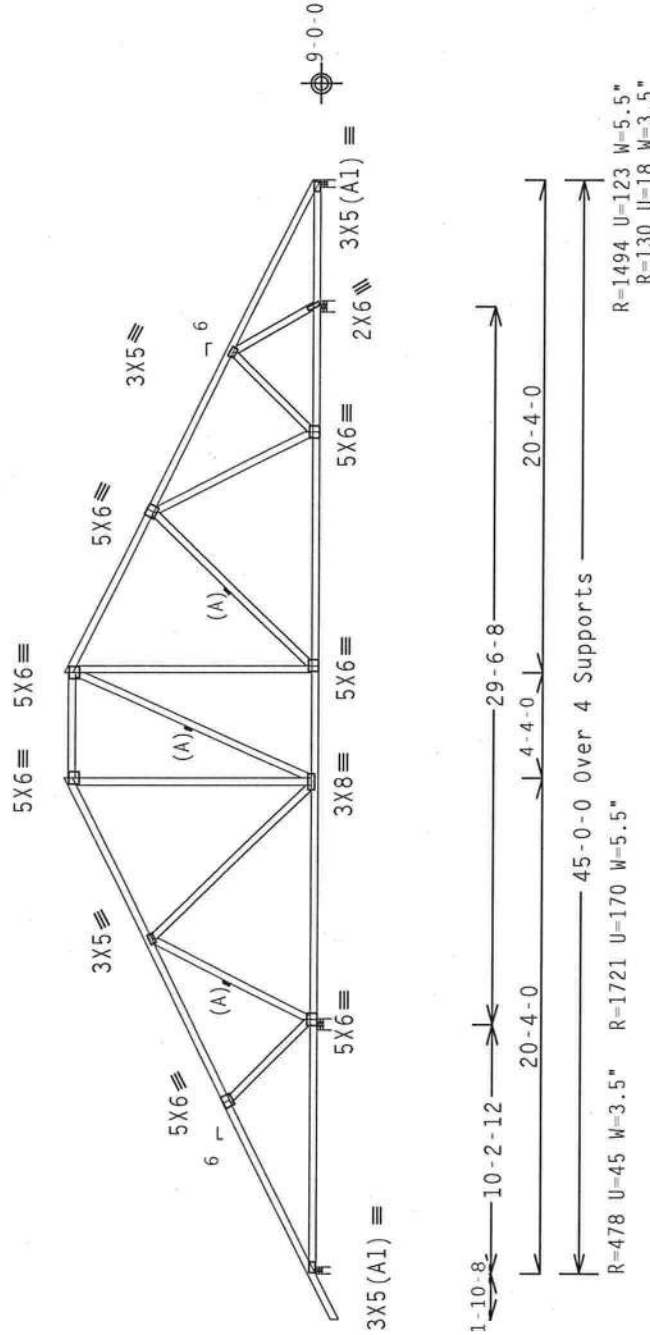
The overall height of this truss excluding overhang is 10-6-3.

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

Wind reactions based on MWFRS pressures.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

Scale = .125"/Ft.

QTY: 1

FL/-/5/-/-/R/-

7.38.0810

Cq/RT=1.00(1.25)/0(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 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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

REF	R215--	53825
DATE	04/02/08	
DRW	HCUSR215	08093038
HC-ENG	EC/DLJ	
SEQN-	108932	
FROM	LRB	
JREF-	1TGC215_Z01	

Top	chord	2x4	SP	#2	N
30t	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC PL=5.0 psf. Iw=1.00 GCpi (+/-) =0.18

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min)nails @ 6"

Wind reactions based on MWFRS pressures.

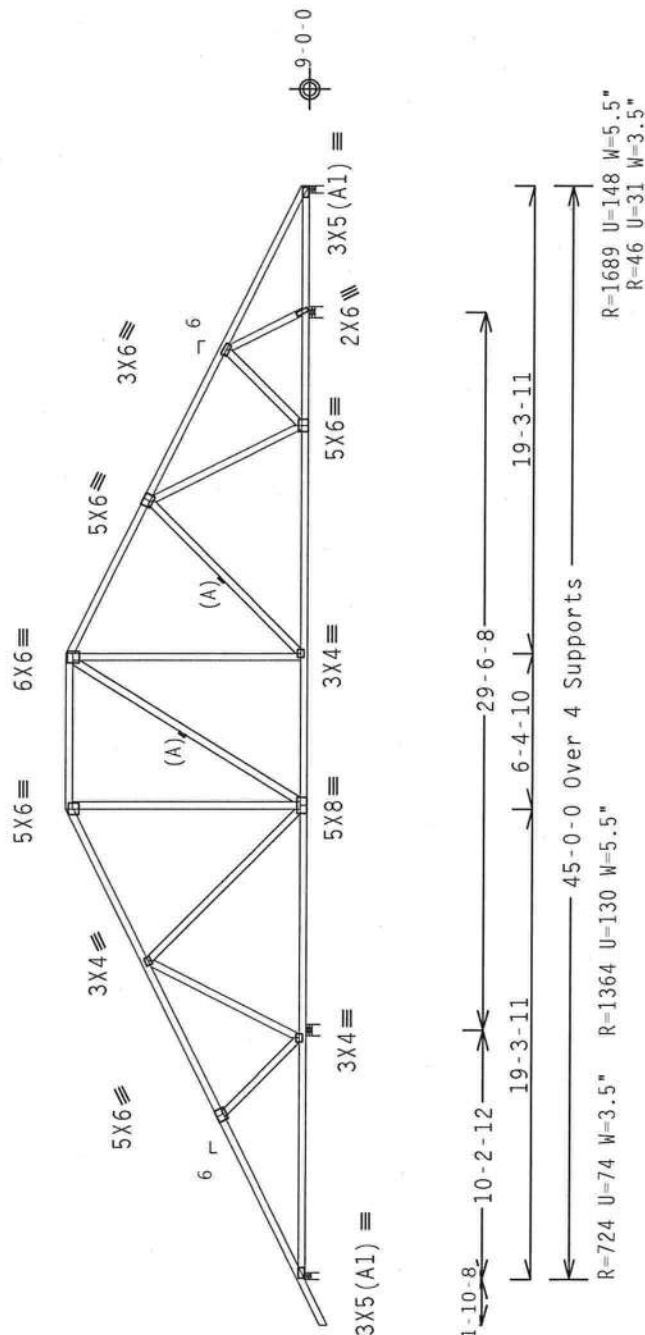
better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-0-0.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

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

Scale = .125"/Ft.

QTY:2 FL/-/5/-/-/R/-

1033

7.

$$.25) /$$
$$/RT=1$$

5-

2

1

1

YP. W

1

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE FABRICATING COMPONENT SPECIFICATIONS. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 ENTERPRISE WAY, SUITE 312, ALEXANDRIA, VA, 22314-0000. TRUSS COUNCIL OF AMERICA, 6300
 1. THESE TRUSSES ARE NOT TO BE USED FOR ANY PURPOSES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
 2. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
 3. PROPERLY ATTACHED RIGID CEILING.

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

CONTRACTOR PLATES ARE MADE TO 2010 AISC PROVISIONS OF IRON (NATIONAL DESIGN SPEC.) BY AISC AND TPI. ITW BCG CONTRACTOR PLATES ARE MADE TO 2010 AISC PROVISIONS OF STEEL (AISC 360) BY AISC AND TPI.

PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS SECTION, POSITION PER DRAWINGS 1600A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A.3 OF TPI1-2009, SEC. 3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS BUILDING. THE USE OF THIS CONCORD FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANEX A.1/1.1 SEC. 2.

EF R215-- 53827

ATE 04/02/08

RW HCUSR215 08093040

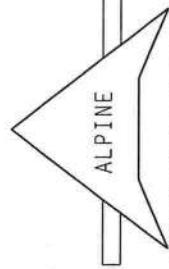
ENCLOSURE

C-ENG EC/DLJ

EQN- 108907

ROM LRB

REF- 1TGC215_Z01



ITW Building Components Group Inc.

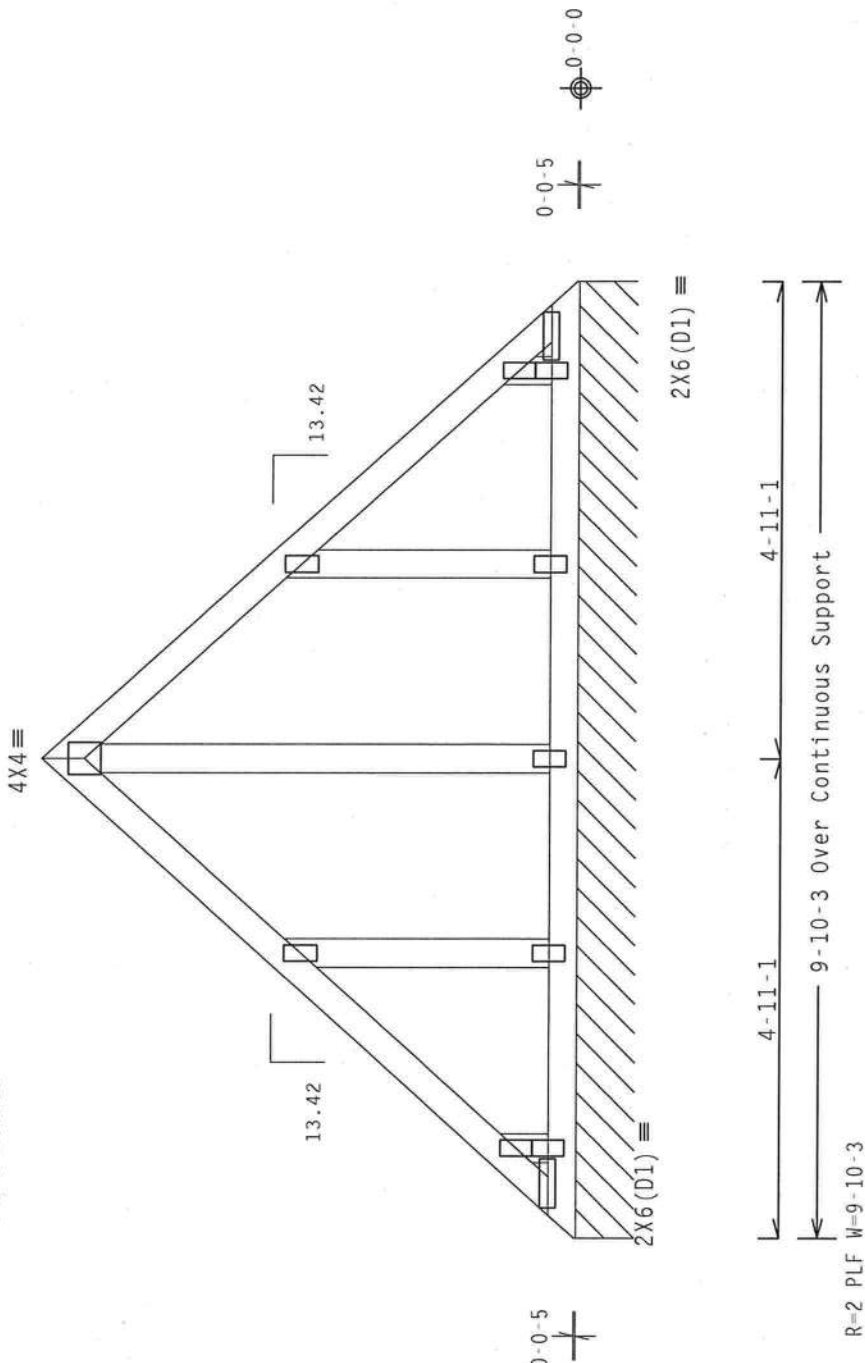
Haines City, FL 33844

FL Certificate of Authorization # 0 278

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

THIS TRUSS HAS BEEN DESIGNED TO BE PLACED INSIDE AN EXISTING STRUCTURE AND IS NOT TO BE SUBJECT TO LIVE LOADS OF ANY NATURE. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND OWNER TO PROVIDE NOTICES OR SITUATIONS THAT WILL PREVENT USE OF THE TRUSS FOR OTHER THAN SUPPORTING THE SPECIFIED DESIGN LOAD SHOWN ON THIS DRAWING. IN THAT STABILITY IS AN IMPORTANT CONSIDERATION IN THE DESIGN OF THIS TRUSS, IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO DESIGN AND OVERSEE THE INSTALLATION OF PERMANENT CHORD BRACING.

Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 5-6-5.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.38.0810

QTY:1 FL/-/5/-/-/R/-

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS ASSOCIATION), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND MICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, MI 48071 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ITW BCS CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/K) ASTM A553 GRADE 40/60 (4, K/M-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES SHALL BE PER ANCHOR AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PERMANENT CHORD BRACING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

IC LL	20.0 PSF
TC DL	2.0 PSF
BC DL	3.0 PSF
BC LL	0.0 PSF
TOT.LD.	25.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R215--	53828
DATE	04/04/08	
DRW	HCUSR215	08095009
HC-ENG	EC/AP	
SEQN-	108739	
FROM	LRB	
JREF-	1TGC215_Z01	

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.) nails @ 6" OC.

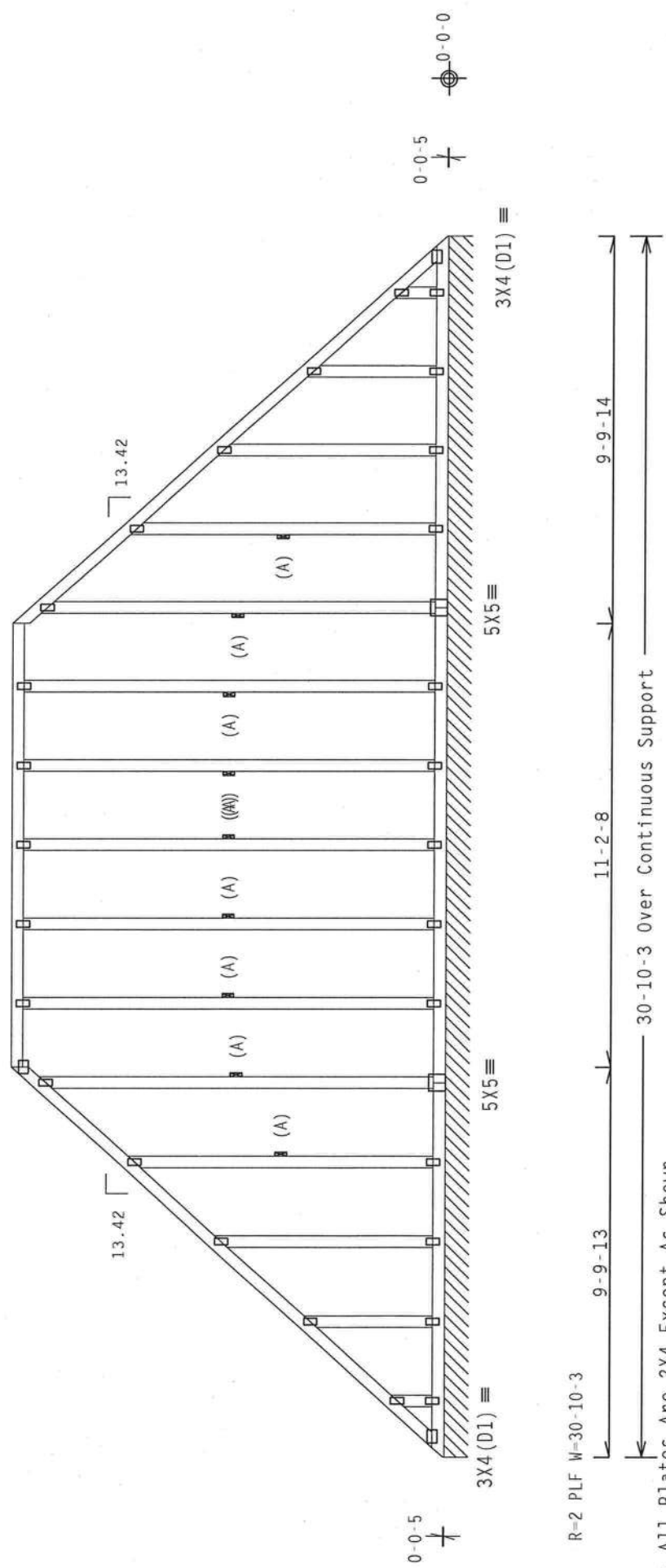
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 11-0-0.

THIS TRUSS HAS BEEN DESIGNED TO BE PLACED INSIDE AN EXISTING STRUCTURE AND IS NOT TO BE SUBJECT TO LIVE LOADS OF ANY NATURE. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND OWNER TO PROVIDE NOTICES OR SITUATIONS THAT WILL PREVENT USE OF THE TRUSS FOR OTHER THAN SUPPORTING THE SPECIFIED DESIGN LOAD SHOWN ON THIS DRAWING. IN THAT STABILITY IS AN IMPORTANT CONSIDERATION IN THE DESIGN OF THIS TRUSS, IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO DESIGN AND OVERSEE THE INSTALLATION OF PERMANENT CHORD BRACING.

3X4 ≡



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave
Cq/RT=1.00(1.25)/0(0) 7.38.0810
QTY:1 FL/-/5/-/-/R/-
Scale = .25"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PSA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/1366A (M-H/SS/K) ASTM A653 GRADE 40/60 (M, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SIGNIFIES THE DESIGNER'S PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN ON THIS DRAWING. USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

JAMES P. COLLINS
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Apr 04 '08

TC LL	20.0 PSF
TC DL	2.0 PSF
BC DL	3.0 PSF
BC LL	0.0 PSF
TOT.LD.	25.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF R215-- 53829
DATE 04/02/08
DRW HCUSR215 08093050
HC-ENG EC/AP
SEQN- 109142
FROM LRB
JREF- 1TGC215_Z01

(5350-)/Elfers, Fred and Ann (Res /EDGELY CONSTRUCTION -- Lot 31 Cannon Creek Airp - HF11)

Top chord 2x4 SP #2 N
Bot chord
Webs 2x4 SP #2 N

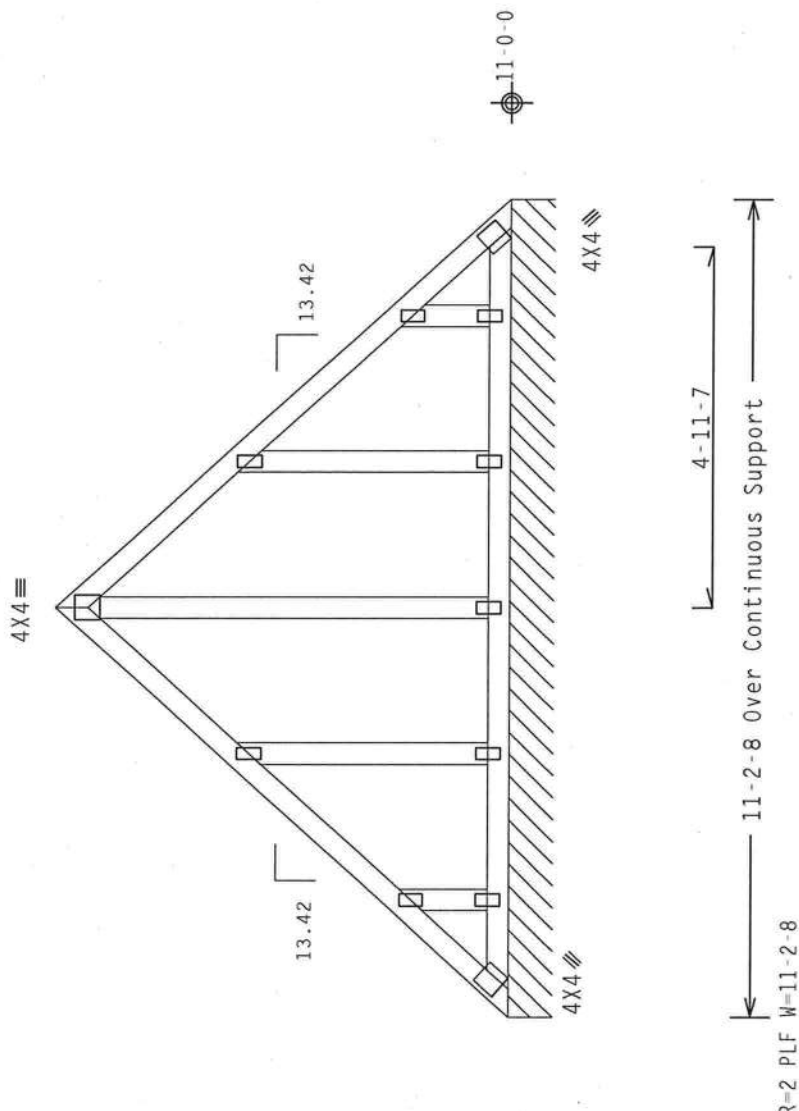
Shim all supports to solid bearing.

THIS TRUSS HAS BEEN DESIGNED TO BE PLACED INSIDE AN EXISTING STRUCTURE AND IS NOT TO BE SUBJECT TO LIVE LOADS OF ANY NATURE. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND OWNER TO PROVIDE NOTICES OR SITUATIONS THAT WILL PREVENT USE OF THE TRUSS FOR OTHER THAN SUPPORTING THE SPECIFIED DESIGN LOAD SHOWN ON THIS DRAWING. IN THAT STABILITY IS AN IMPORTANT CONSIDERATION IN THE DESIGN OF THIS TRUSS, IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO DESIGN AND OVERSEE THE INSTALLATION OF PERMANENT CHORD BRACING.

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 17'-3-4".



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.38.0810.00

QTY: 1

FL/-/5/-/-/R/-

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSJ (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITH BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/55/K) ASTM A553 GRADE 40/60 (N, K/M-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

STATE OF FLORIDA
PROFESSIONAL ENGINEER
FREDERICK COLLINS, JR.
No. 22212
Apr 04

TC LL	20.0 PSF	REF	R215--	53830
TC DL	2.0 PSF	DATE	04/04/08	
BC DL	3.0 PSF	DRW	HCUSR215	08095010
BC LL	0.0 PSF	HC-ENG	EC/AP	
TOT.LD.	25.0 PSF	SEQN-	109149	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1TGC215_Z01	

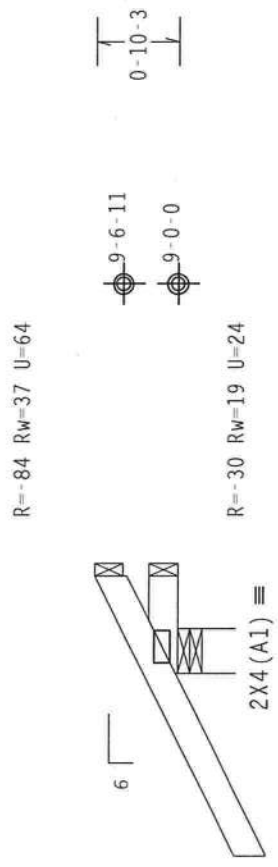
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 0-10-3.

Wind reactions based on MWFRS pressures.



$\hookrightarrow 1-10-8 \rightarrow$
 $1-0-0$ Over 3 Supports
 $R=313 \quad U=73 \quad W=5.5''$

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844

FL Certificate of Authorization # 0278

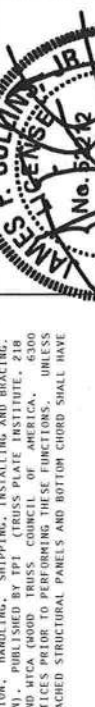
QTY: 4 FL / - 5 / - / R / - Scale = .5" / Ft.

REF	R215 - - 53831	TC LL	20.0 PSF
DATE	04/02/08	TC DL	10.0 PSF
DRW	HCUSR215 08093041	BC DL	10.0 PSF
		BC LL	0.0 PSF
		TOT.LD.	40.0 PSF
		DUR.FAC.	1.25
		SPACING	24.0"

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

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/166A (W/H/SS/P) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEAS 3 OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



APR 1 2008

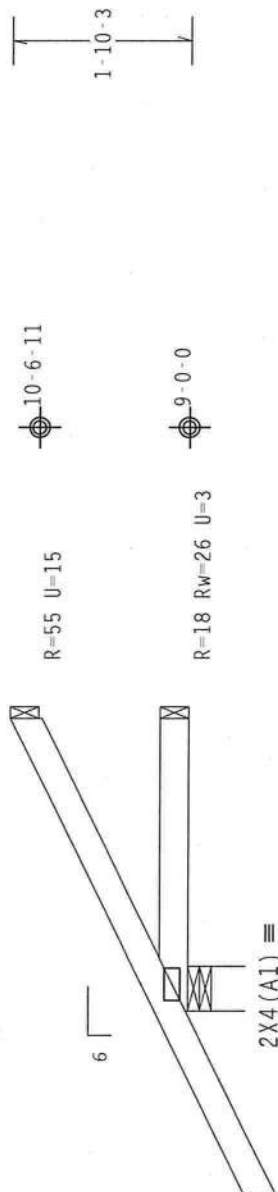
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 1-10-3.

Wind reactions based on MNFRS pressures.



← 1-10-8 →
3-0-0 Over 3 Supports
R=291 U=34 W=5.5"

Design Crit: $\text{TPI-2002(STD) / FBC}$
 $\text{Ca/RT}=1.00(1.25) /$

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

7.38.0810.03

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

二二

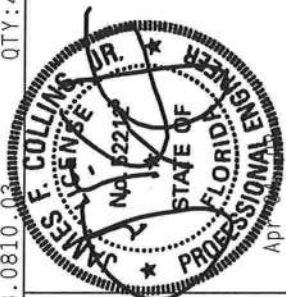
PLT TYP. Wave

WARNING: ROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PULPIT INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND MTCA (WOOD TRUSS COMPANY) ENTERPRISE LINE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

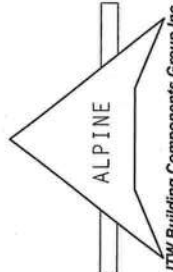
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 4300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND MTCA (WOOD TRUSS COUNCIL OF AMERICA), 4300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PRACTICES OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. TIT BCG CONNECTION PLATES ARE MADE OF 2017/191664 (40/5557K) ASTM A563 GRADE 40/60 (K, K/H-S5) GALV. STEEL. APPLY TOP CHORD FROM FACE TO FACE, CROSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. UNLESS OTHERWISE NOTED, ALL DIMENSIONS SHALL BE IN INCHES (1"=25.4MM). A SEAL ON THIS TRUSS COMPONENT SHALL BE PROVIDED BY THE TRUSS MANUFACTURER. TIT BCG SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. PER ANSI/TPI 1.1-2.



TC LL	20.0	PSF	REF	R215--	53832
TC DL	10.0	PSF	DATE	04/02/08	
BC DL	10.0	PSF	DRW	HCUSR215	08093042
BC LL	0.0	PSF	HC-ENG	EC/DLJ	
TOT.LD.	40.0	PSF	SEQN-	108770	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1TGC215	Z01



ITW Building Components Group Inc.
Haines City, FL 33844

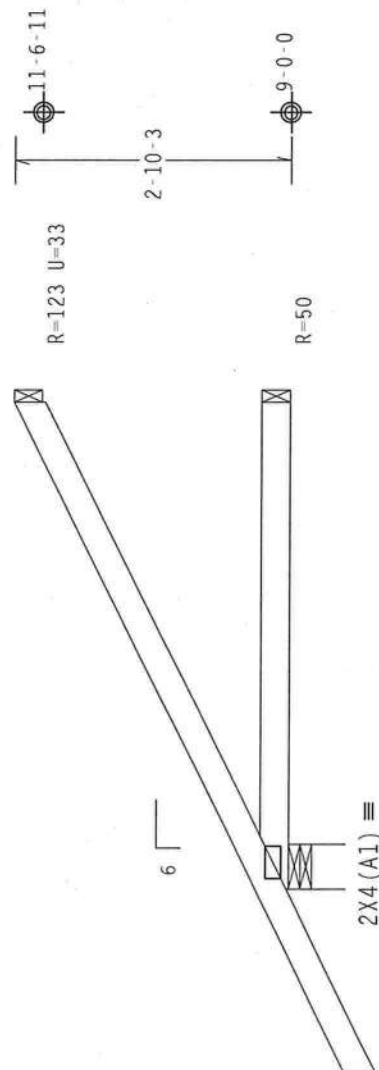
FL Certificate of Authorization # 0 278

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

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 BC DL=5.0 psf, Iw=1.00 GCpi (+/-)=0.18

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.



1-10-07

← 5-0-0 Over 3 Supports →
R=355 U=31 W=5.5"

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/0(0)$ 7.

QTY:4 FL/-15/-1-1R/-

$$\text{Scale} = 5''/\text{Ft}$$

WARNING: TRUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHUPLING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE MANUFACTURER. SEE THE FOLLOWING FOR ADDITIONAL INFORMATION: STEEL DECK PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WEA (WOOD TRUSS EDUCATION AND RESEARCH) CENTER, 1000 ENTERPRISE LANE, MADISON, MI 48219. 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 RIGID CEILING.

TC	11	20	0	PSE
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DATE 02/15/2003

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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EF KZT3- 53833

70.0 PSF

AIE 04/02/08

BC DL 10.0 PSF

RW HCUSR215 0809

BC LL 0.0 PSF

C-ENG EC/DLJ

TOT	10	40	0	PSE

EON- 10

5	1
0	0
2	0
4	0
6	0
8	0
10	0
12	0
14	0
16	0
18	0
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98	0
100	0

NOTES

DUR. FAC. 1.25

ROM LRB



FL Certificate of Authorization #0 278

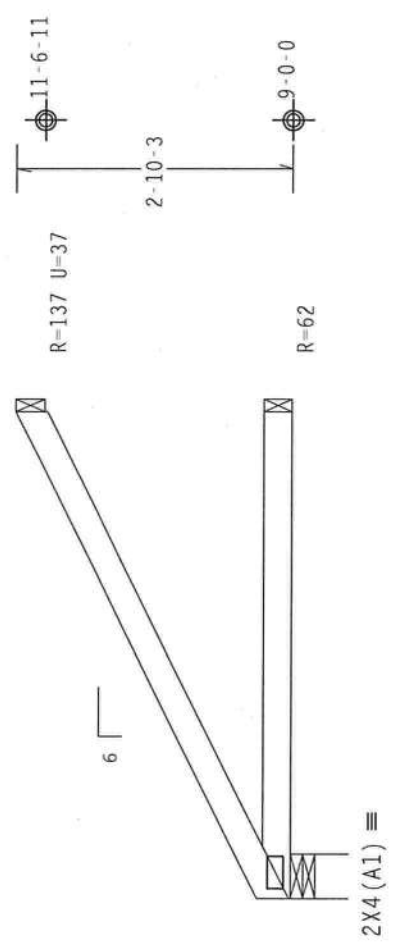
Haines City, FL. 33844

ITW Building Components Group Inc.

Haines City, FL 33844

(5350-/Elfers, Fred and Ann (Res /EDGEELY CONSTRUCTION -- Lot 31 Cannon Creek Airp - JC5A)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 2-10-3.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 Gcpi(+/-)=0.18
Wind reactions based on MWFRS pressures.



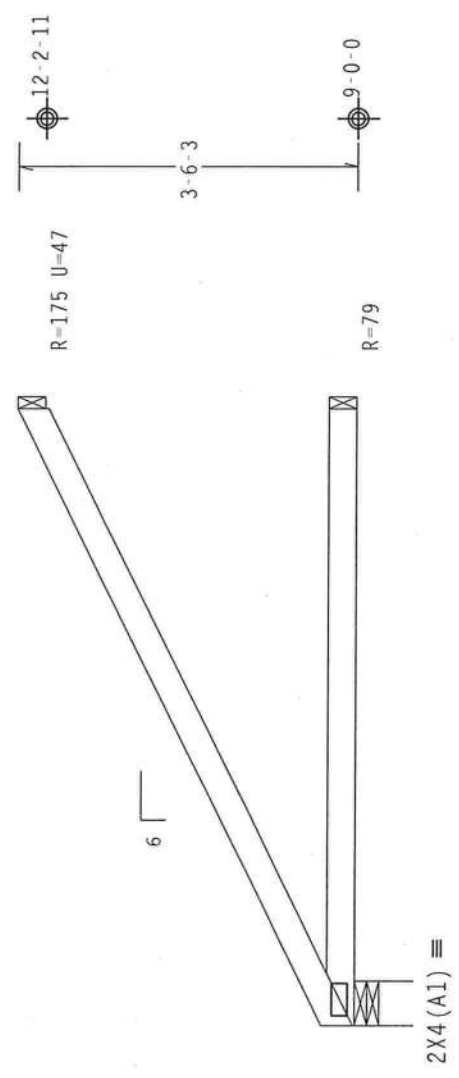
5-0-0 Over 3 Supports
R-212 U=2 W=5.5

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

PLT TYP. Wave	QTY:1	FL/-/5/-/-/R/-	Scale = .5" / Ft.	
			REF	R215 -- 53834
ALPINE Haines City, FL 33844 FL Certificate of Authorization # 0278	JAMES COLLINS JR. LICENSED PROFESSIONAL ENGINEER STATE OF FLORIDA No 62212	APR 04 '08	DATE	04/02/08
			DRW	HCUSR215 08093044
ITW Building Components Group Inc. Haines City, FL 33844 FL Certificate of Authorization # 0278	JAMES COLLINS JR. LICENSED PROFESSIONAL ENGINEER STATE OF FLORIDA No 62212	APR 04 '08	HC-ENG	EC/DLJ
			SEQN	108815
ITW Building Components Group Inc. Haines City, FL 33844 FL Certificate of Authorization # 0278	JAMES COLLINS JR. LICENSED PROFESSIONAL ENGINEER STATE OF FLORIDA No 62212	APR 04 '08	FROM	LRB
			JREF	1TGC215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 3-6-3.

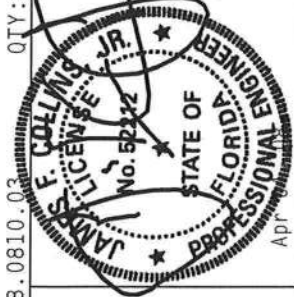
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCpi(+/-)=0.18
Wind reactions based on MWFRS pressures.



6-4-0 Over 3 Supports
R=267 U=3 W=5.5"

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

PLT TYP. Wave	QTY: 3		FL/-/5/-/1/-/R/-		Scale = .5"/Ft.	
	TC LL	20.0 PSF	REF	R215 --	53835	
	TC DL	10.0 PSF	DATE	04/02/08		
	BC DL	10.0 PSF	DRW	HCUSR215 08093045		
	BC LL	0.0 PSF	HC-ENG	EC/DLJ		
	TOT.LD.	40.0 PSF	SEQN-	108821		
	DUR.FAC.	1.25	FROM	LRB		
SPACING		24.0"	JREF-	ITGC215_Z01		



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BEG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-N/55/18) ASTM A653 GRADE 40/60 (4, 6/16, 55) GALV. STEEL. APPLY ANY INSPECTION OF PLATING TO TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

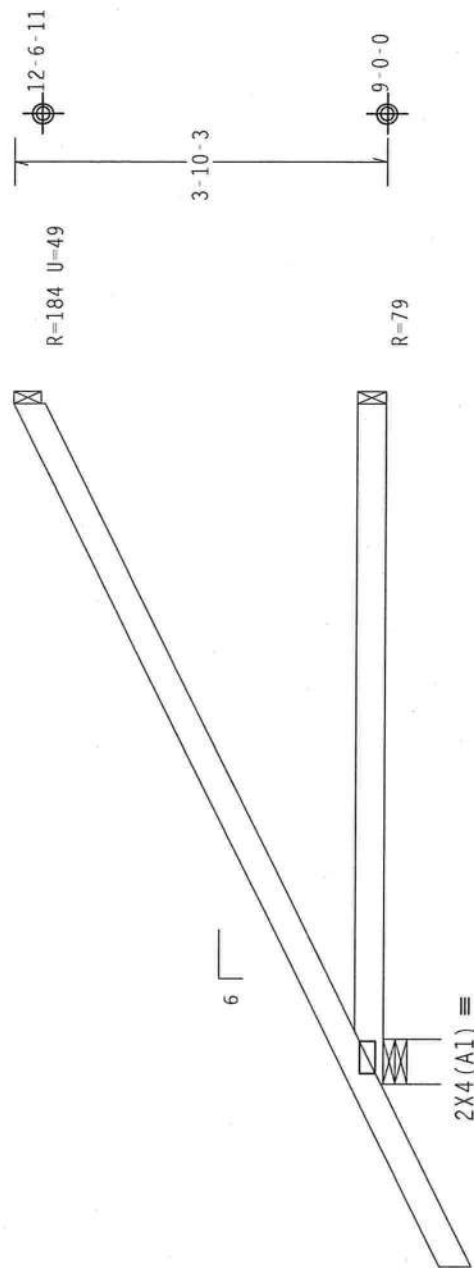
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, wind Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3-10-3.



← 1-10-8 →
7-0-0 Over 3 Supports
R=430 U=31 W=5.5"

Design Crit: TPI-2002(STD)/FBC

QTY: 6 FL / - / 5 / - / - / R / - Scale = .5" / Ft.

7.38.0810.03mm

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

Scale = .5"/Ft.

8

ON, HANDLING, SHIPPING, INSTALLING AND
(). PUBLISHED BY TPI (TRUSS PLATE INSTI

FF R215-- 538

55
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D WTC A (WOOD TRUSS COUNCIL OF AMERICA)
ICES PRIOR TO PERFORMING THESE FUNCTIONS

DATE 04/02/00



CHDED STRUCTURAL PANELS AND BOTTOM CHORD 3

04/06/00	04/06/00
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INSTALLATION CONTRACTOR. ITW BCG, INC.

0KW HCUSR215 080933

STAT
P
C.C.

BRACING OF TRUSSES.
FAILURE TO BUILD THE TRUSS IN CONFORMANCE
WITH THE AISC DESIGN SPEC. BY AISC AND TPI.

IC-ENG EC/DLJ

PROF. FLO...

M A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL
CATALOG ON THIS DESIGN. POSITION PER DRAWING

5EQN- 108795

IS
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ANNEX A3 OF TP11-2002 SEC.3. A SEA-
ING RESPONSIBILITY SOLELY FOR THE TRUSS

FROM LRB

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APR 1981

MENT FOR ANY BUILDING IS THE RESPONSIBILITY

URFF- 1TGC215 7

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2-CT70017 13816

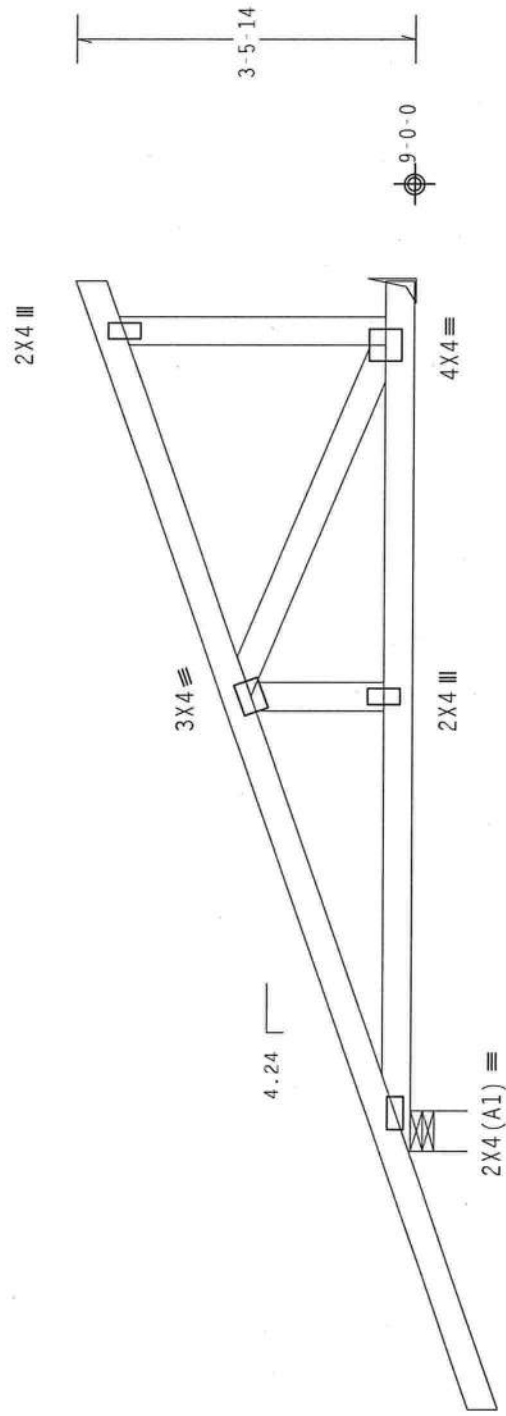
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Hipjack supports 6-4-0 setback jacks with no webs.
Deflection meets L/240 live and L/180 total load.

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3-5-14.



Design Crit: TPI-2002(STD)/FBC

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

7.38.0810

QTY:1

FL/-/5/-/-/R/-

Scale =.5"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED THE TRUSS SHALL BE DESIGNED TO BE USED IN THE MANNER SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

REF	R215--	53837
DATE	04/02/08	
DRW	HCUSR215	08093047
HC-ENG	EC/DLJ	
SEQN-	108827	
FROM	LRB	
JREF-	1TGC215_Z01	

ALPINE

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FL Certificate of Authorization # 0 278

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

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

Wind reactions based on MWFRS pressures.

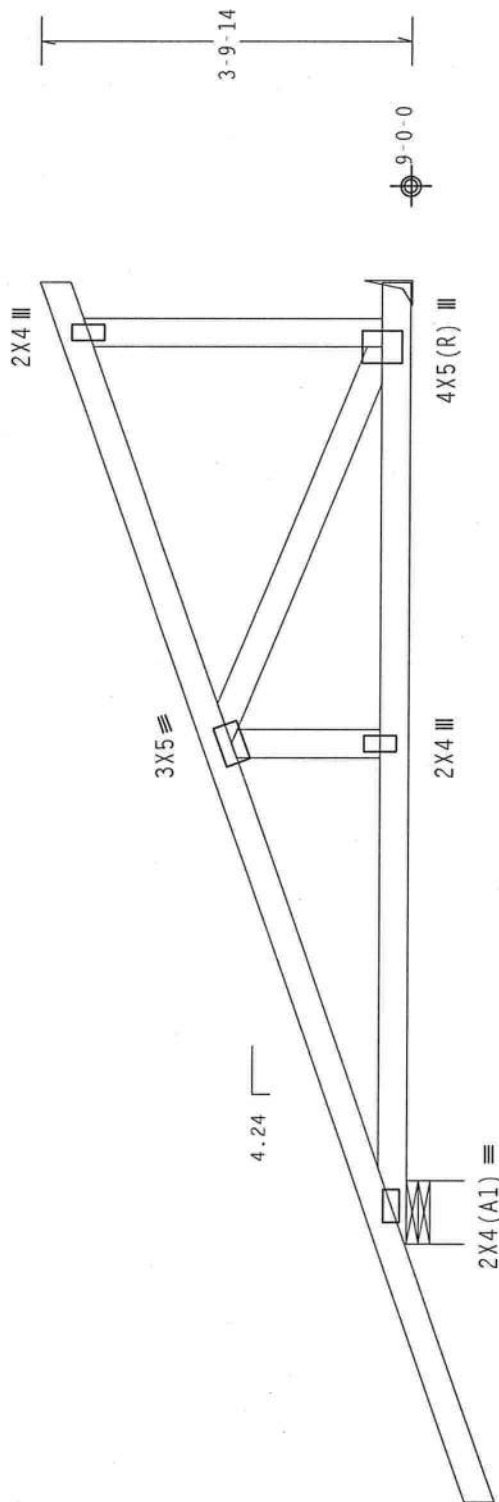
Deflection meets L/240 live and L/180 total load.

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.

SPECIAL LOADS

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)	
	61 PLF at 2.65 to	61 PLF at 9.90
TC - From	20 PLF at 0.00 to	20 PLF at 9.90
IC -	169 LB Conc. Load at 1.48	
TC -	109 LB Conc. Load at 4.31	
IC -	247 LB Conc. Load at 7.13	
TC -	60 LB Conc. Load at 1.48	
BC -	36 LB Conc. Load at 4.31	
IC -	101 LB Conc. Load at 7.13	

The overall height of this truss excluding overhang is 3-9-14.



2713

9-10-13 Over 2 Supports

R=580 U=288 W=7.778"

R=651 U=112

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/0(0)$ 7.38 0810

0TY.2 FI 1-151-1-181-

Scale = .5"/Ft.

Scale = .5"/Ft.
EF R215-- 53838

DATE 04/02/08

URW HCUSR215 08093048

IC-FNG EC/DI J

FEON- 108780

00700

00700

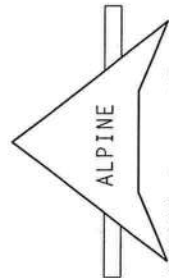
RUPI	LRD
URPF	1TCC01F 701

REF - J281107-CT2291T

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE FOLLOWING INFORMATION: PUBLISHED BY IPTI (CRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304) OR THE CRUSS PLATE INSTITUTE OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMANCE OF THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT*****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS WILL BE AT THE RISK OF THE CLIENT. *FOR INFORMATION ONLY: THE TRUSS IS DESIGNED FOR USE WITH STEEL JOISTS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPARTMENTS ARE APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. CONNECTOR PLATES WERE MADE OF 20/18/16GA (N.Y./55KSI) LATH A653 GRADE 40/60 (N. KTH-55) GALV. STEEL, PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON DRAWING, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERX 43 OF TPI-1/2002 SEC. 3., DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0 278

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

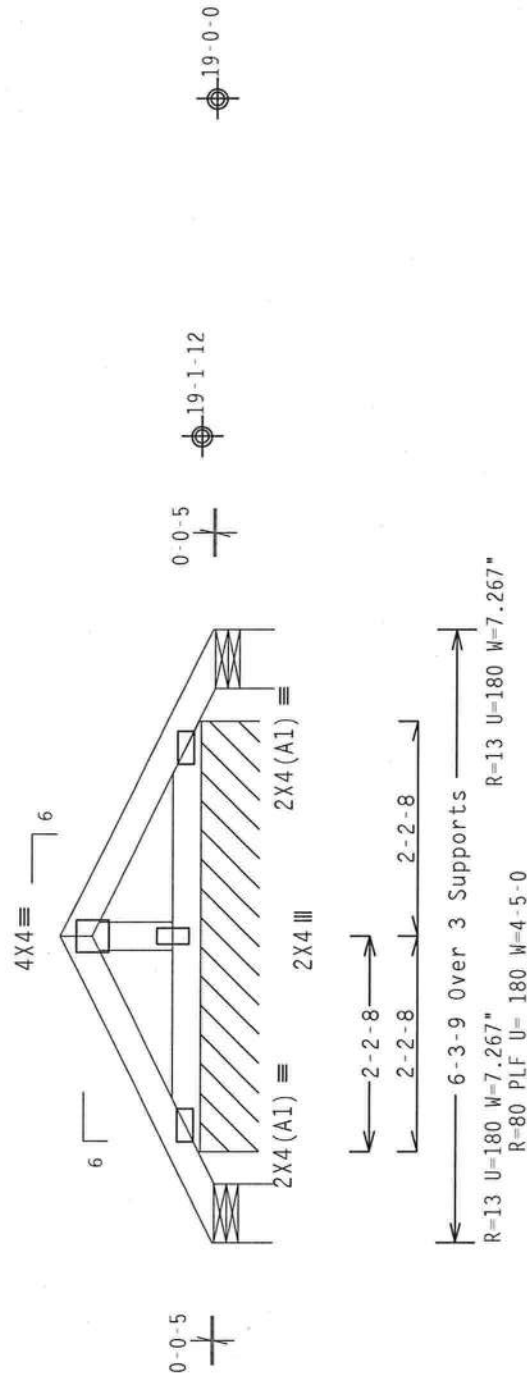
REFER TO DRAWING PIGBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE
BRACED @ 24" O.C.

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -0.94 to 62 PLF at 2.21
TC - From 62 PLF at 2.21 to 62 PLF at 5.36
BC - From 4 PLF at -0.94 to 4 PLF at 5.36

The overall height of this truss excluding overhang is 17'-3".



Design Crit: TPI-2002 (STD) / FBC

PLT TYP. Wave

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

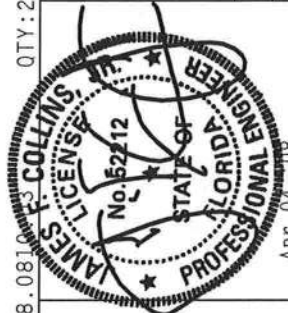
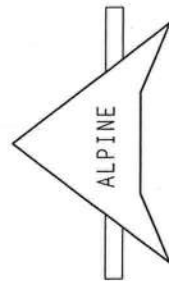
QTY: 2

FL/-/5/-/R/-

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTION PLATES ARE MADE OF 2018/166A (A1/SS/5X) ASTM A653 GRADE 40/60 (M, K7H-SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 100A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R215--	53839
TC DL	10.0 PSF	DATE	04/04/08	
BC DL	10.0 PSF	DRW	HCUSR215	08095007
BC LL	0.0 PSF	HC-ENG	EC/AP	
TOT.LD.	40.0 PSF	SEQN	108920	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF	1TGC215_Z01	

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 19.77 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=2.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 1-6-3.

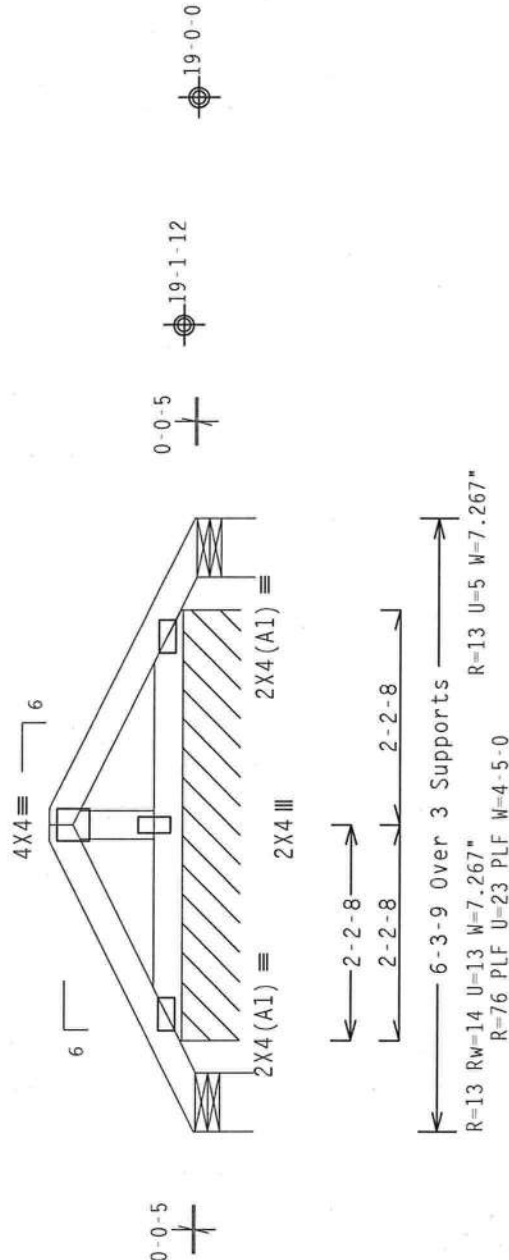
REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -0.94 to 62 PLF at 2.04
TC - From 62 PLF at 2.37 to 62 PLF at 5.36
BC - From 4 PLF at -0.94 to 4 PLF at 5.36

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002 (STD) /FBC

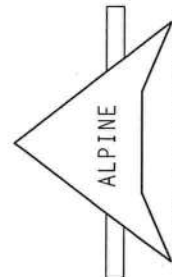
Cq/RT=1.00(1.25)/0(0)

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

TC LL	20.0 PSF	REF R215--	53840
TC DL	10.0 PSF	DATE	04/04/08
BC DL	10.0 PSF	DRW	HCUSR215 08095008
BC LL	0.0 PSF	HC-ENG	EC/AP
TOT.LD.	40.0 PSF	SEQN	108926
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF	1TGC215_201

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1666A (W-11/SS/A) ASTM A653 GRADE 40/60 (W, K/H-SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 100A-2. OWNERS ACCEPTANCE OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S ACCEPTANCE OF THE DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844

FL Certificate of Authorization # 0 278

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	Webs	2x4	SP	#2	N

11110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.

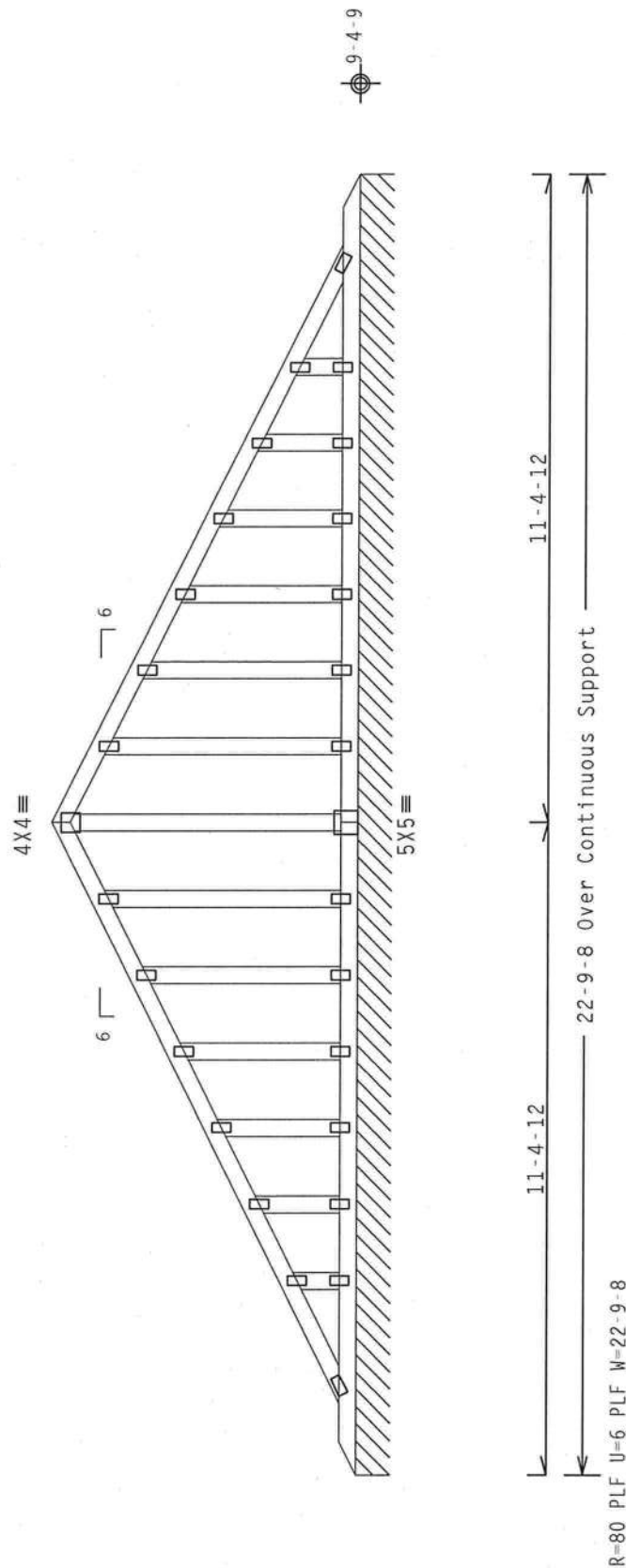
Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.

The overall height of this truss excluding overhang is 5-4-7.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

SEE DWGS A11015EC0207, GBLBRSTD0207, & GBLLETIN0207 FOR
ADDITIONAL REQUIREMENTS.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

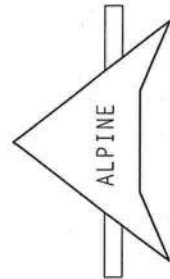
PLT TYP. Wave

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

QTY:1 FL/-/5/-/-/R/-/

Scale = .3125" / Ft.

TC LL	20.0 PSF	REF	R215 --	53841
TC DL	10.0 PSF	DATE	04/02/08	
BC DL	10.0 PSF	DRW	HCUSR215	08093011
BC LL	0.0 PSF	HC-ENG	EC/DLJ	*
TOT.LD.	40.0 PSF	SEQN-	109120	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1TGC215 Z01	



ITW Building Components Group Inc.

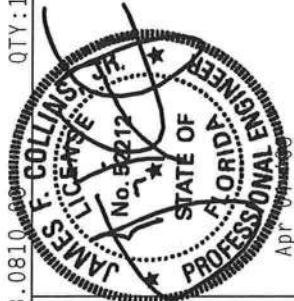
Haines City, FL 33844

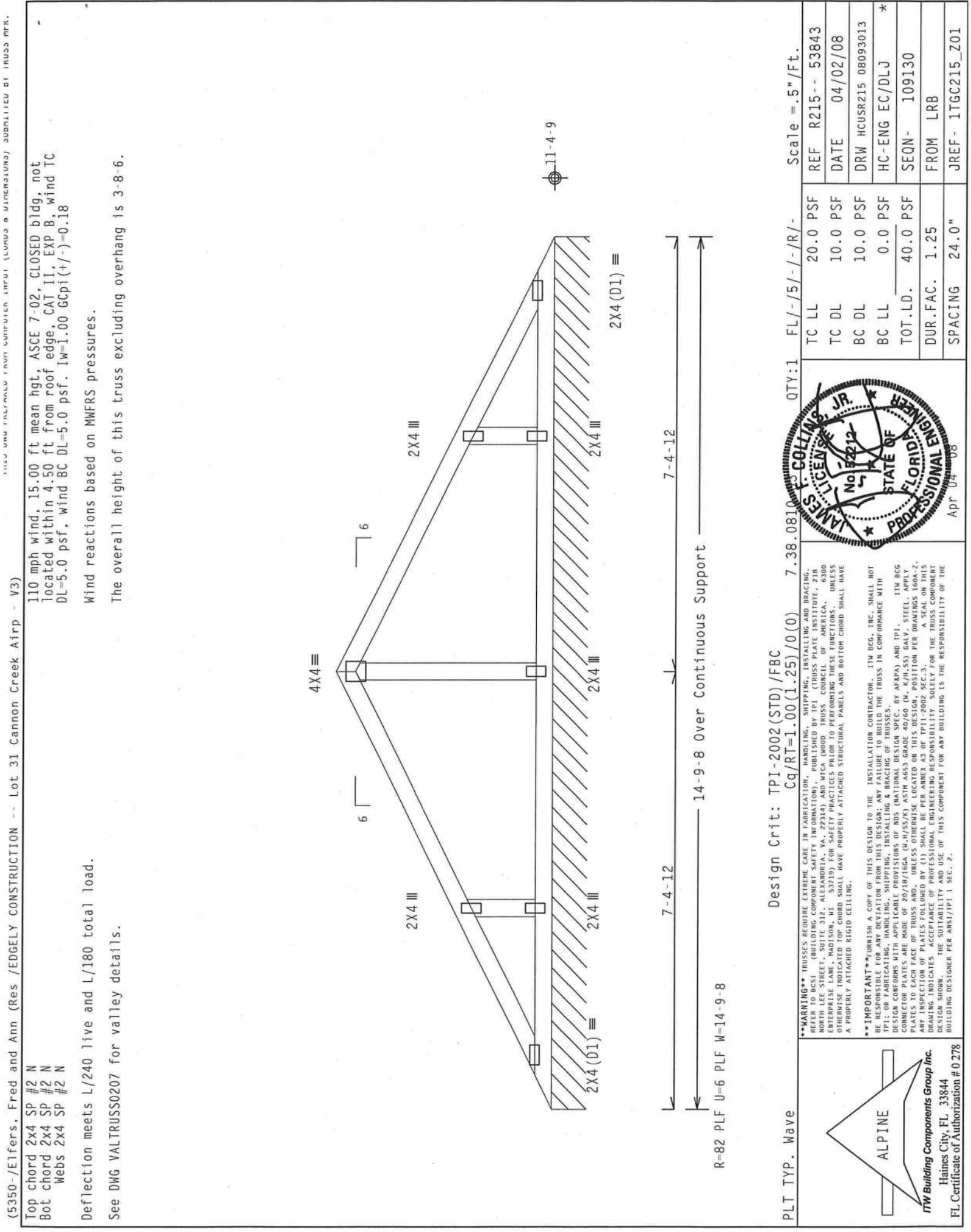
James City, LE 35044
FL Certificate of Authorization # 0 278

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PROPER CONSTRUCTION, SAFETY, AND OPERATIONS. CONSULT THE FOLLOWING: THUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 100, CHICAGO, ILL. 60601; THUSS CONSULTING, 4000 N. TRISTE, CHICAGO, ILL. 60630; ENTERPRISE LANE, 4601550, MI 48219; FOR SAFETY PRACTICES PRACTICE FOR PERSONNEL INSTRUCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. CONNECTION PLATES ARE MADE OF 20/18/16GA (W/STRESS) ASTM A563 GRADE 40/60 (8, K/TH-SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, WHERE NECESSARY LOCATED ON THE POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/101 1 SEC. 2.





(5350-/Elfers, Fred and Ann (Res /EDGELY CONSTRUCTION -- Lot 31 Cannon Creek Airp - V3)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.
See DWG VALTRUSS0207 for valley details.

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3-8-6.

Scale = .5" / Ft.

QTY:1	FL / - / 5 / - / - / R / -	TC LL	20.0 PSF	REF	R215 - - 53843
		TC DL	10.0 PSF	DATE	04/02/08
		BC DL	10.0 PSF	DRW	HCUSR215 08093013
		BC LL	0.0 PSF	HC-ENG	EC/DLJ
		TOT.LD.	40.0 PSF	SEQN-	109130
		DUR.FAC.	1.25	FROM	LRB
		SPACING	24.0"	JREF-	1TGC215_Z01

PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

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

7-38-0810

7-4-12

14-9-8 Over Continuous Support

R-82 PLF U-6 PLF W-14-9-8

7-4-12

7-4-12

7-4-12

7-4-12

FL Certificate of Authorization # 0 278

ITW Building Components Group Inc.
Haines City, FL 33844

ALPINE

James P. Collins, Jr.
Professional Engineer
No. 92212
State of Florida
Apr 04 08

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Haines City, FL 33844

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ITW Building Components Group Inc.
Haines City, FL 33844

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FL Certificate of Authorization # 0 278

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Haines City, FL 33844

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Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	Webs	2x4	SP	#2	N

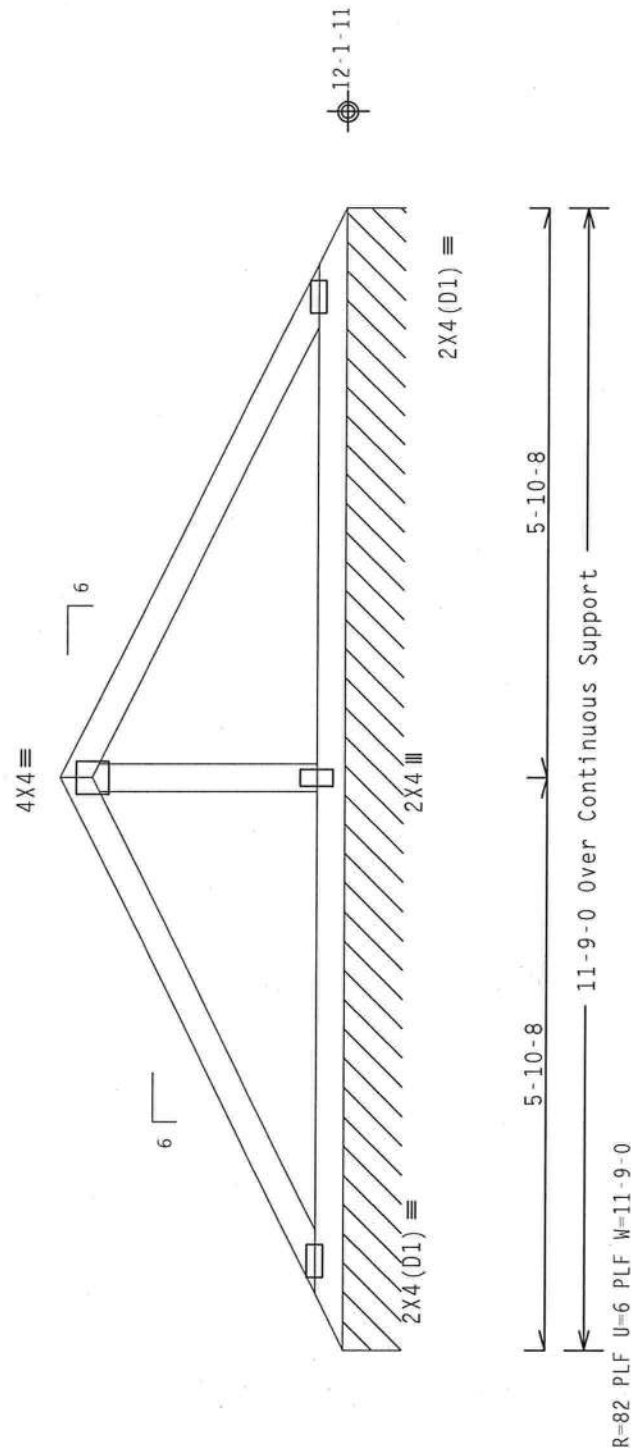
1110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC D1=5.0 psf, wind BC D1=5.0 psf. $lw=1.00$ GCpf (+/-)=0.18

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.

The overall height of this truss excluding overhang is 2-11-4.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

Scale = .5"/Ft.



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WARNING TRUSSES REQUIRING EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, KANSAS CITY, MO 64114 AND MTCS TRUSS COMPANY, 2300 UNIVERSITY AVENUE, SUITE 100, ENTERPRISE LANE, SUITE 3219, AL 35219. 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 RIGID CEILING.

****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 TO BUILD THE TRUSS IN CONFORMANCE WITH DETAIL OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

TPI-08 FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.,
CONNECTOR PLATES ARE MADE OF 20/18/16GSA (W/J55/S4) ASTM A563 GRADE 40/60 (N, K/H-S5) GALV. STEEL, APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-1-2002 SEC.2.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/TPI 1 SEC.-2.



TC LL	20.0	PSF	REF	R215 --	53844
TC DL	10.0	PSF	DATE	04/02/08	
BC DL	10.0	PSF	DRW	HCUSR215	08093014
BC LL	0.0	PSF	HC-ENG	EC/DLJ	*
TOT.LD.	40.0	PSF	SEQN-	109135	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1TGC215	Z01

MAX GABLE VERTICAL LENGTH		2X4 GABLE VERTICAL SPACING		BRACE GRADE		NO BRACES	(1) 1X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE	
							GROUP A		GROUP B		GROUP A		GROUP B	
							GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 5"	12' 5"	12' 5"	12' 9"	14' 0"	14' 0"
	HF	#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	12' 4"	14' 0"	14' 0"
	STUD	STANDARD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	12' 3"	14' 0"	14' 0"
	SP	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	9' 5"	10' 2"	10' 2"	13' 5"	14' 0"	14' 0"
	DFL	#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	9' 5"	10' 2"	10' 2"	13' 5"	14' 0"	14' 0"
	STUD	STANDARD	4' 0"	6' 1"	6' 2"	7' 11"	8' 0"	9' 5"	9' 5"	12' 5"	12' 5"	12' 6"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	STANDARD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"	14' 0"
	DFL	#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	10' 10"	11' 8"	11' 8"	14' 0"	14' 0"	14' 0"
	STUD	STANDARD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	10' 10"	11' 4"	11' 4"	14' 0"	14' 0"	14' 0"
24" O.C.	SPF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	STANDARD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	11' 11"	12' 10"	12' 10"	14' 0"	14' 0"	14' 0"
	DFL	#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	11' 11"	12' 10"	12' 10"	14' 0"	14' 0"	14' 0"
	STUD	STANDARD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	11' 11"	12' 6"	12' 6"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

#3 STUD	SOUTHERN PINE
STANDARD	STUD
	STANDARD

GROUP B:

HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR	#1
	#2

SOUTHERN PINE

#1	#2
----	----

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

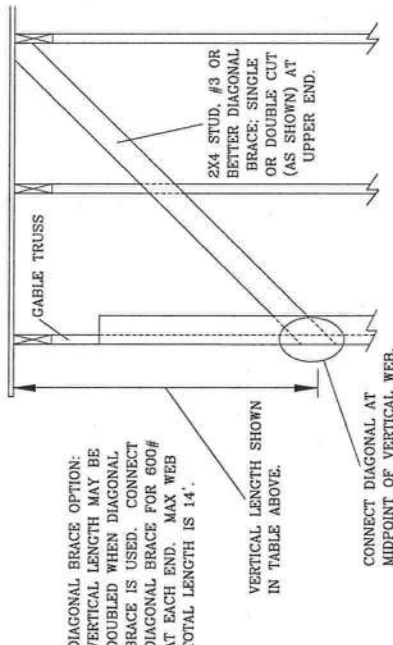
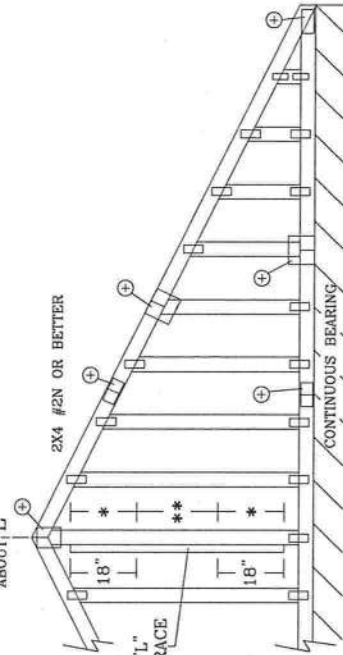
PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

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

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. 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.
"L" BRACING MUST BE A MINIMUM OF 90% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

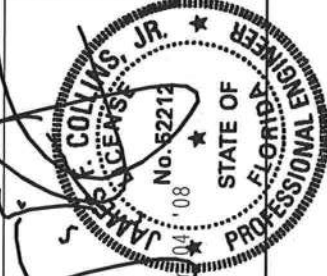
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL, 1000 W. 10TH AVE., SUITE 100, DENVER, CO 80202) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN INCHES. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED.

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DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 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 SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

REF	ASCE7-02-GABI015
DATE	2/23/07
DRWG	A11015EE0207
-ENG	

MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"



ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

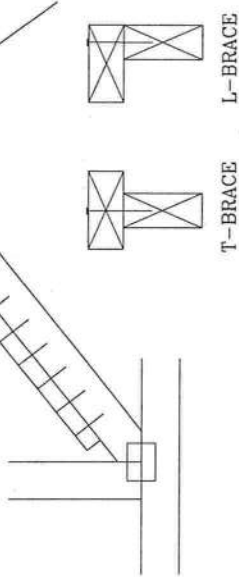
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

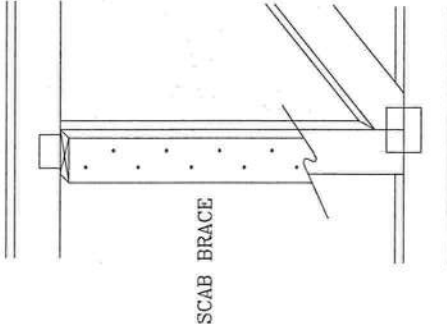
T-BRACING
OR
L-BRACING:

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



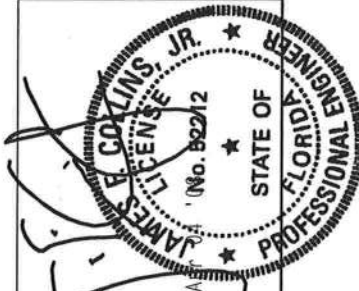
SCAB BRACING:

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



THIS DRAWING REPLACES DRAWING 579.640

 ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314 AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		TC LL	PSF	REF	CLB SUBST.
	IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATING FROM THIS DESIGN ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITV, BCG CONNECTOR PLATES ARE MADE OF 2019/16GA (V/H/SS/A) ASTM A653 GRADE 40/68 (V/A/SS) STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, ALL PLATES SHALL BE FULLY COVERED BY CP PROFILES. ITV BCG SHALL BE RESPONSIBLE FOR THE ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.		TC DL	PSF	DATE	2/23/07
			BC DL	PSF	DRWG	BRCLBSUB0207
			BC LL	PSF	-ENG	MLH/KAR
			TOT. LD.	PSF		
		DUR. FAC.				
		SPACING				



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

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

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

TRUSS DETAIL

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

MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

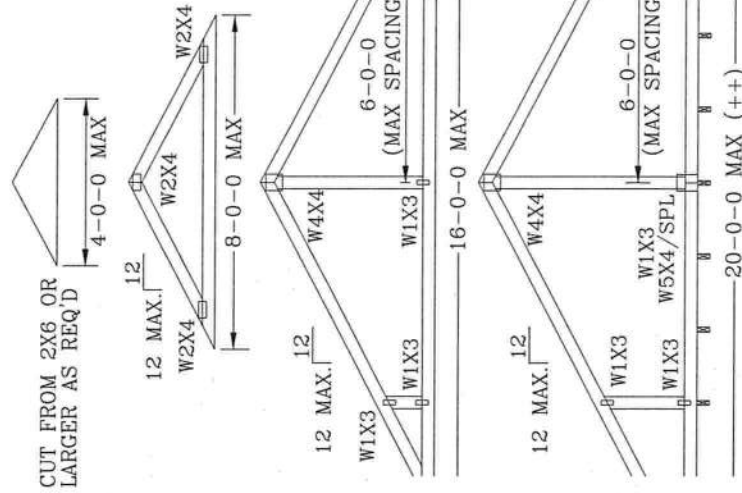
TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS
INSTALLATION

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

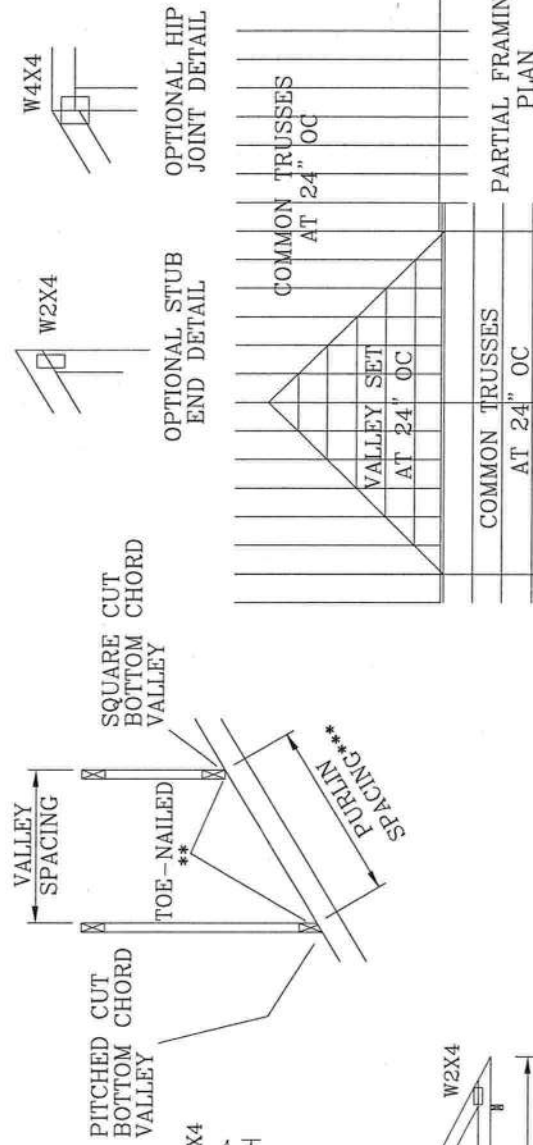
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

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

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.

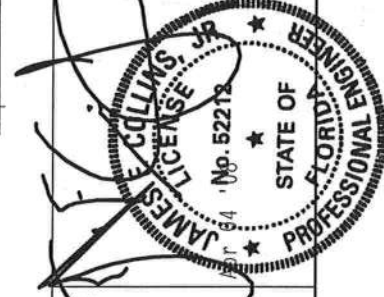


SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.



THIS DRAWING REPLACES DRAWING A105

TC LL	30	30	40 PSF	REF	VALLEY DETAIL
TC DL	20	15	7 PSF	DATE	2/23/07
BC DL	10	10	10 PSF	DRWG	VALTRUSS0207
BC LL	0	0	0 PSF	-ENG	MLH/KAR
TOT. LD.	60	55	57 PSF		
DURFAC.	1.25/1.33	1.15/1.15			
SPACING	24"				



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TW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

- | Applicant | Plans Examiner | |
|-------------------------------------|--------------------------|---|
| ☒ | ☐ | All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans. |
| ☒ | ☐ | Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed. |
| ☒ | ☐ | <u>Site Plan including:</u>
a) Dimensions of lot
b) Dimensions of building set backs
c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
d) Provide a full legal description of property. |
| ☒ | ☐ | <u>Wind-load Engineering Summary, calculations and any details required</u>
a) Plans or specifications must state compliance with FBC Section 1606
b) The following information must be shown as per section 1606.1.7 FBC
a. Basic wind speed (MPH)
b. Wind importance factor (I) and building category
c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
d. The applicable internal pressure coefficient
e. Components and Cladding. The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional |
| ☒ | ☐ | <u>Elevations including:</u>
a) All sides
b) Roof pitch
c) Overhang dimensions and detail with attic ventilation
d) Location, size and height above roof of chimneys
e) Location and size of skylights
f) Building height
g) Number of stories |

Floor Plan including:

- ☒ ☐ a) Rooms labeled and dimensioned
- ☒ ☐ b) Shear walls
- ☒ ☐ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☐ ☐ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☐ ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☒ ☐ f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- ☒ ☐ a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- ☒ ☐ b) All posts and/or column footing including size and reinforcing
- ☐ ☐ c) Any special support required by soil analysis such as piling
- ☐ ☐ d) Location of any vertical steel

Roof System:

- ☒ ☐ a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by FI. Pro. Eng.
 - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☐ ☐ b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- ☐ ☐ a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
 - a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

*****Notice Of Commencement Required Before Any Inspections Will Be Done**

Private Potable Water

- a) Size of pump motor
- b) Size of pressure tank

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

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

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

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

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

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: P.O. Box 1785 City: Lake City State: FL Zip: 32825
Company Business License No. JE109476 Company Phone No. 386-725-3611 • 386-454-0781
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Doug Edgely Const Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 390 S.W. Cypress Ct.
Lake City FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 12 Inside 12 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 6-30-09
Brand Name of Product(s) Used B-Ter
EPA Registration No. 53443-164
Approximate Final Mix Solution % 1.6
Approximate Size of Treatment Area: Sq. ft. 3596 Linear ft. 325 Linear ft. of Masonry Voids 325
Approximate Total Gallons of Solution Applied 557
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Brannon Certification No. (if required by State law) JP10476

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature Steve Brannon Date 6-30-09

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

Form NPCA-99-B may still be used

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

Edgley Construction Company

590 SW Arlington Blvd, Suite 113

Lake City, Florida 32025

TELEPHONE 386-752-0580 FAX # 386-752-4904

December 2, 2008

To Who It May Concern:

Edgley Construction would like to request a change for building permit number 26976 for Fredrick Elfers, from culvert to driveway attached to private road no culvert.

Respectfully,



Doug Edgley
Contractor/Owner

cc: file
