

DATE 07/17/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027178

APPLICANT DOUG EDGLEY PHONE 386.752.0580
ADDRESS 590 SW ARLINGTON BLVD., STE. 113 LAKE CITY FL 32025
OWNER ALFRED & SERANA OTERO PHONE
ADDRESS 630 SW MARIGOLD AVENUE FT. WHITE FL 32038
CONTRACTOR DOUG EDGLEY PHONE 386.752.0580
LOCATION OF PROPERTY 441-S TO C-131-S, TL TO MARIGOLD, TL AND IT'S JUST PAST
GLADIOLA ON L.
TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 137450.00
HEATED FLOOR AREA 1856.00 TOTAL AREA 2749.00 HEIGHT 19.10 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC
LAND USE & ZONING A-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 18-6S-17-09696-116 SUBDIVISION TUSTENUGGEE PLANTATIONS UNREC.
LOT 16 BLOCK PHASE UNIT TOTAL ACRES 10.00

RR28281136
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
PRIVATE 08-0441 BLK WR Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: 1 FOOT ABOVE EASEMENT ROAD.

Check # or Cash 4102

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 \$ 690.00 CERTIFICATION FEE \$ 13.75 SURCHARGE FEE \$ 13.75
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 \$ TOTAL FEE 792.50
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.

Columbia County Building Permit Application

For Office Use Only Application # 0800-59 Date Received 6/30 By JW Permit # 27178
 Zoning Official BLK Date 17.07.08 Flood Zone X FEMA Map # N/A Zoning A-3
 Land Use A-3 Elevation N/A MFE 1st time easement River N/A Plans Examiner WJ Date 7/9/08
 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. 08-0441 Fax 386-752-4904

Name Authorized Person Signing Permit KIMMY EDGLEY - Doc 9 EDGLEY Phone 386-752-0580

Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025

Owners Name ALFRED & SERANA OTERO Phone 386-752-0580

911 Address 630 SW MARIGOLD AVENUE FORT WHITE FL 32038

Contractors Name EDGLEY CONSTRUCTION COMPANY Phone 386-752-0580

Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025

Fee Simple Owner Name & Address ALFRED & SERANA OTERO

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address MARK DISOSWAY P.E. P.O. BOX 868 LAKE CITY FL 32056

Mortgage Lenders Name & Address FFSB P.O. BOX 2029 LAKE CITY FL 32056

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

Property ID Number 18-6S-17-09696-116 Estimated Cost of Construction \$170,000.00

Subdivision Name TUSTENUGGEE PLANATIONS UNREC Lot 16 Block 6 Unit 1 Phase 1

Driving Directions TUSTENUGGEE SOUTH, TL ON MARIGOLD JUST PAST FLADIOLA ON LEFT

Number of Existing Dwellings on Property N/A

Construction of RESIDENTIAL HOME Total Acreage 10.0 Lot Size 10.0

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 19'1"

Actual Distance of Structure from Property Lines - Front 226' Side 17'4" Side 427.94 Rear 346.8

Number of Stories 1 Heated Floor Area 1856 Total Floor Area 2749 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.

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

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



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

Douglas E. Esh
Contractor's Signature (Permittee)

Contractor's License Number RR282811326
Columbia County
Competency Card Number 5878

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 24th day of April 2008
 Personally known ☒ or Produced Identification

Nanci Nettles

State of Florida Notary Signature (For the Contractor)

SEAL:



ATS# 17083

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 16th day of June, 2008, Denise M. Dages, A Single Person and Christopher R. Dages, A Single Person, hereinafter called the grantor, to Alfred Otero, and his wife, Serana Otero whose post office address is: 7200 SW 8th Ave, Unit P-97, Gainesville, FL 32606 hereinafter called the grantee;

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

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID#R09696-116

See Exhibit "A" attached hereto and by this reference made a part hereof.

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

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

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2007.

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

Signed, sealed and delivered in our presence:

Donna Cox
Witness:

Donna Cox
Printed Name:

Jessica Newsome
Witness:

Jessica Newsome
Printed Name:

Denise M. Dages
Denise M. Dages

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 16th day of June, 2008 by DENISE M. DAGES, A SINGLE PERSON personally known to me or, if not personally known to me, who produced DL for identification and who did not take an oath.

(Notary Seal)

Donna Cox
Notary Public



DONNA COX
Notary Public, State of Florida
My Comm. Expires Jan. 16, 2010
Comm. No. DD 607081
Bonded Thru Notary Public Underwriters

Signed, sealed and delivered in our presence:

[Signature]

Witness:
SARAH LINNEAR

Printed Name:

Claudia Rodriguez

Witness:

Claudia Rodriguez

Printed Name:

[Signature]

Christopher R. Dages

STATE OF Colorado
COUNTY OF Itasca

The foregoing instrument was acknowledged before me this 13th day of June, 2008 by CHRISTOPHER R. DAGES, A SINGLE PERSON, personally known to me or, if not personally known to me, who produced Colorado Driver's License for identification and who did not take an oath.



My Commission Expires 01/30/2011

[Signature]
Notary Public

EXHIBIT "A"

PARCEL 16, OF TUSTENUGGEE PLANTATIONS, UNIT 1:

A part of Section 18, Township 6 South, Range 17 East, Columbia County, Florida, being more particularly described as follows:

Commence at a railroad spike at the Northeast corner of said Section 18, and run thence S 89 degrees 49'17" West, along the North boundary thereof, 2616.44 feet; thence S 00 degrees 27'15" East, 1324.30 feet to the point of beginning; thence continue S 00 degrees 27'15" East, 662.15 feet; thence S 89 degrees 49'17" West, 657.94 feet; thence N 00 degrees 27'15" West, 662.15 feet; thence N 89 degrees 49'17" East, 657.94 feet to the point of beginning; and subject to an easement along the East and North boundary.

TOGETHER WITH:

TUSTENUGGEE PLANATIONS, UNIT 1
60 FOOT INGRESS AND EGRESS EASEMENT:

A strip of land 60 feet wide lying 30 feet each side of the following described centerline: Commence at a railroad spike at the Northeast corner of said Section 18, Township 6 South, Range 17 East, Columbia County, Florida, and run thence S 00 degrees 51'43" East, along the East line of said Section and along the centerline of Tustenuggee Avenue, 0000.00 feet, thence S 89 degrees 08'17" West, 40.00 feet to the West right of way line of Tustenuggee Avenue and the point of beginning of said centerline; thence continue S 89 degrees 08'17" West, 612.00 feet; thence S 89 degrees 49'17" West, 657.94 feet to Reference Point "A"; thence continue S 89 degrees 49'17" West, 1315.88 feet to Reference Point "B"; thence continue S 89 degrees 49'17" West, 1315.88 feet to Reference Point "C"; thence continue S 89 degrees 49'17" West, 657.94 feet to the point of termination;

Also: Begin at Reference Point "A" and run N 00 degrees 27'15" West, 662.15 feet to the center of a cul-de-sac having a radius of 50 feet and the point of termination.

Also: Begin at Reference Point "A" and run S 00 degrees 27'15" East, 662.15 feet to the center of a cul-de-sac having a radius of 50 feet and the point of termination.

Also: Begin at Reference Point "B" and run N 00 degrees 27'15" West, 662.15 feet to the center of a cul-de-sac having a radius of 50 feet and the point of termination.

Also: Begin at Reference Point "B" and run S 00 degrees 27'15" East, 662.15 feet to the center of a cul-de-sac having a 50 foot radius and the point of termination.

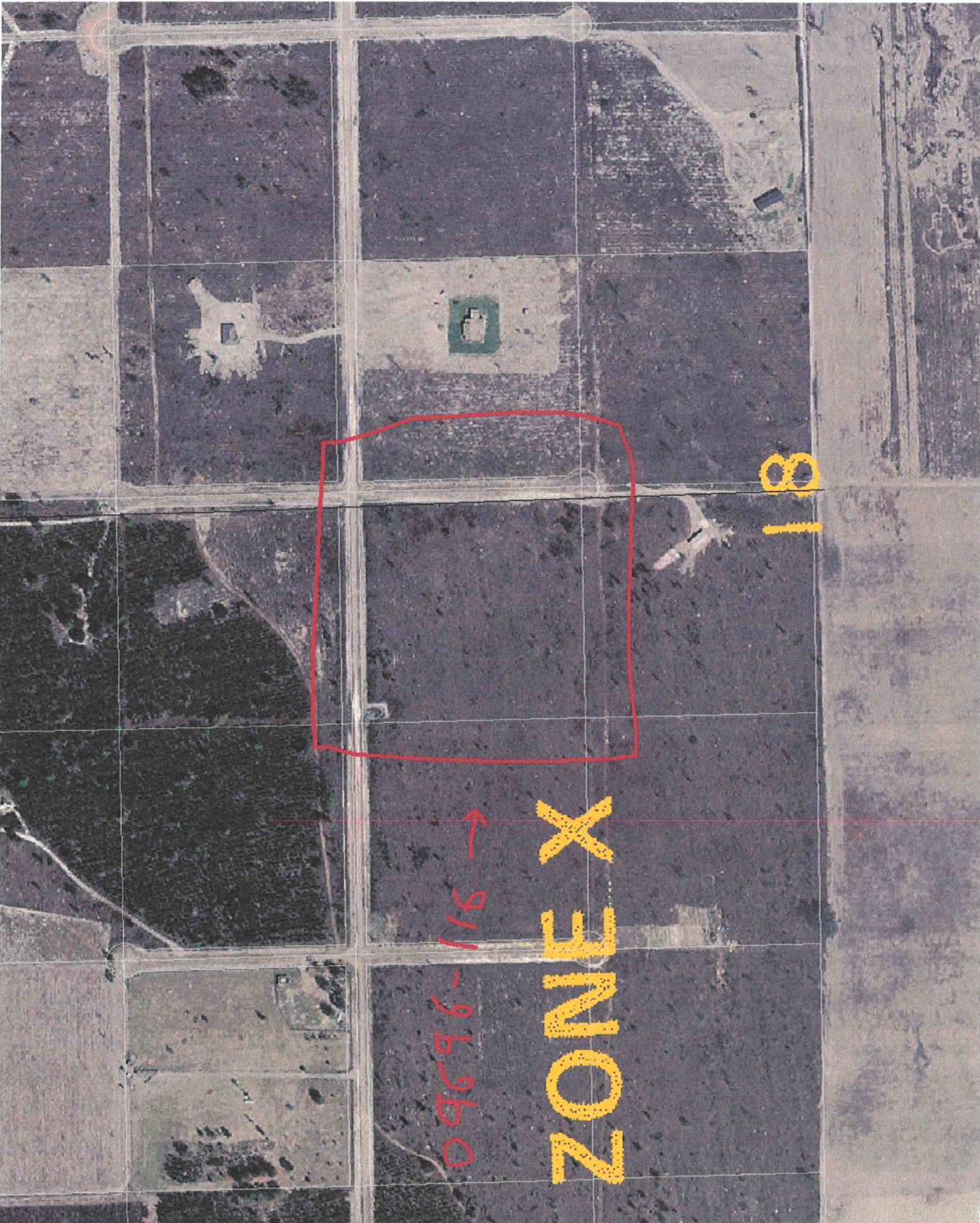
Also: Begin at Reference Point "C" and run N 00 degrees 27'15" West, 662.15 feet to the center of a cul-de-sac having a 50 foot radius and the point of termination.

Also: Begin at Reference Point "C" and run S 00 degrees 27'15" East, 662.15 feet to the center of a cul-de-sac having a radius of 50 feet and the point of termination.

09696-118 →

ZONE X

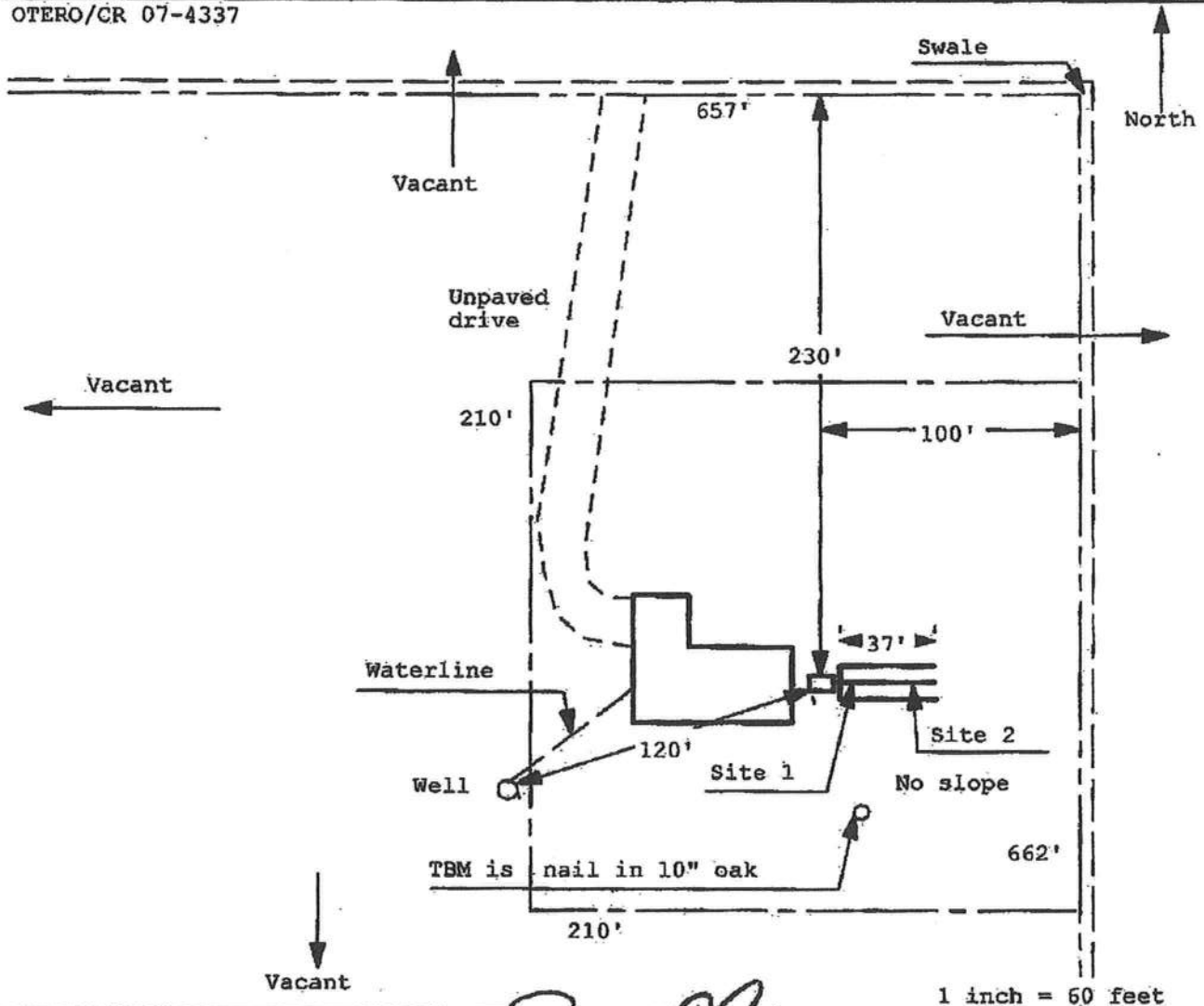
18



**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 08-044

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

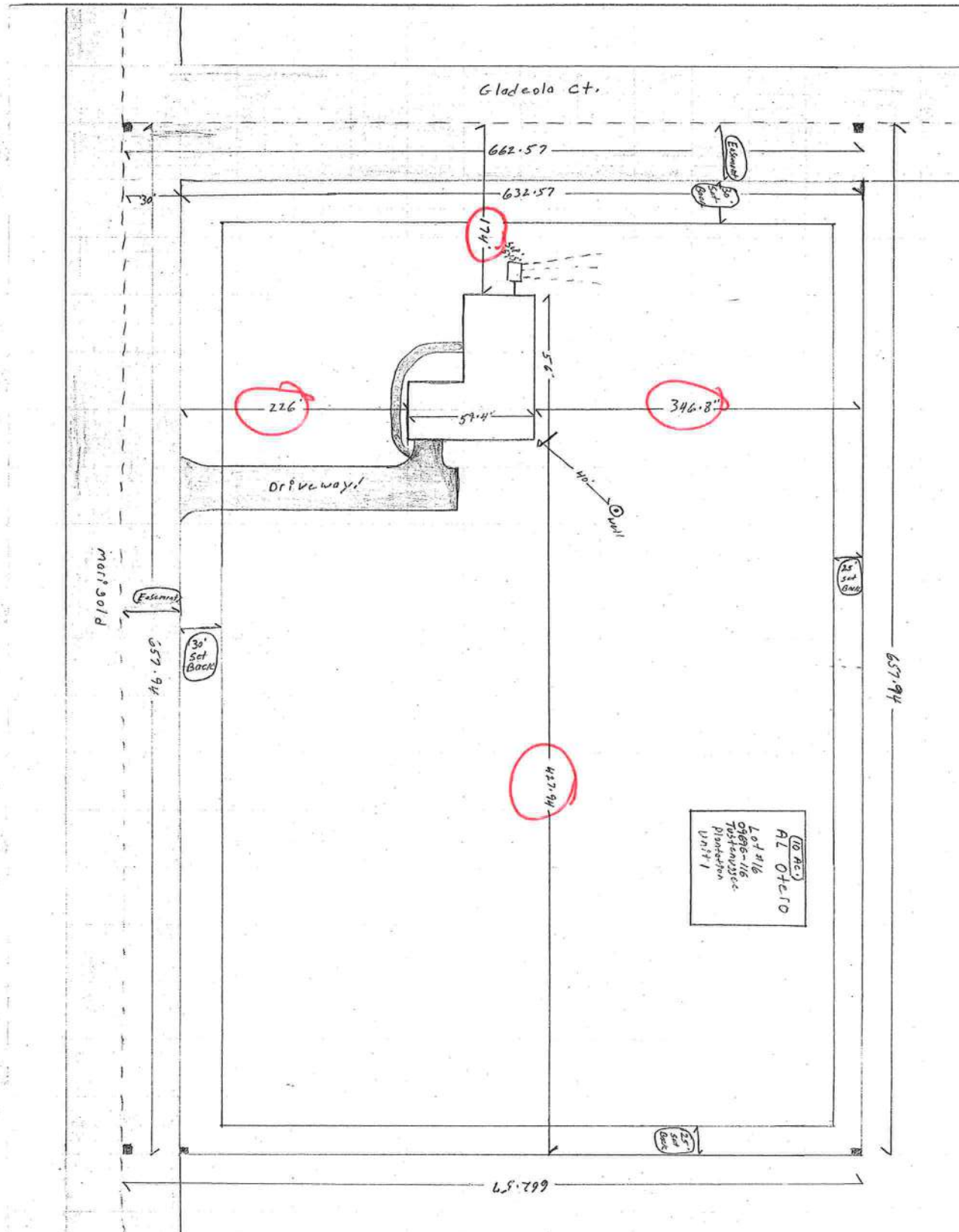
OTERO/CR 07-4337



Site Plan Submitted By Paul L. Lyle Date 3/27/08
Plan Approved ☒ Not Approved ☐ Date 6-18-08

By M. A. Lyle Columbia CPHU

Notes: _____



COLUMBIA COUNTY 9-1-1 ADDRESSING

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

PHONE: (386) 758-1125 • FAX: (386) 758-1365 • Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 3/27/2008 DATE ISSUED: 4/2/2008

ENHANCED 9-1-1 ADDRESS:

630 SW MARIGOLD PL
FORT WHITE FL 32038
PROPERTY APPRAISER PARCEL NUMBER:
18-6S-17-09696-116

Remarks:

LOT 16 TUSTENUGGEE PLANTATIONS UNREC

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

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

1177

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

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

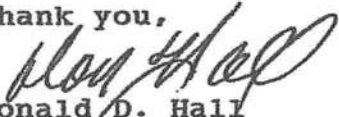
June 12, 2002

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

ATS# 17083

This Instrument Prepared By:

Michael H. Harrell
stract & Title Services, Inc.
283 NW Cole Terrace
Lake City, Florida 32055

Inst: 200812011419 Date: 8/17/2008 Time: 9:35 AM
P. DeWitt Cason, Columbia County Page 1 of 2 8:1152 P:1523

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

The undersigned hereby give notice that improvements will be made to certain real property and in accordance with Chapter 713.13, Florida Statutes, the following is provided in this Notice of Commencement:

1. Construction of Single Family Dwelling, to be made to real property located at TBD SW Marigold Place, Ft. White, Florida 32038, more particularly described as:
SEE EXHIBIT "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.
2. The name and address of the undersigned owner is: Alfred Otero, and his wife, Serana Otero, 7200 SW 8th Ave, Unit P-97, Gainesville, FL 32606.
3. The name and address of the contractor is: Edgley Constuction Co., 590 SW Arlington Blvd, Ste 113, Lake City, FL 32025.
4. The name and address of surety bond is: N/A
5. LENDER: First Federal Bank of Florida, P.O. Box 2029, Lake City, Florida 32056.
6. 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
7. In addition to himself, Owner designates Paula Hacker, P.O. Box 2029, Lake City, Florida 32056, is also designated to receive a copy of the Lienor's Notice as provided in Section 713.06(2)(b) Florida Statutes.
8. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

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

Signed, sealed and delivered in the presence:

Donna Cox
WITNESS Donna Cox
Jessica Newsome
WITNESS Jessica Newsome

Alfred Otero
Alfred Otero
Serana Otero
Serana Otero

STATE OF FLORIDA
COUNTY OF COLUMBIA

Before me, personally appeared Alfred Otero, and his wife, Serana Otero, to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 16th day of June, 2008.

(SEAL)

Donna Cox
NOTARY PUBLIC

My Commission Expires:



DONNA COX
Notary Public, State of Florida
My Comm. Expires Jan. 18, 2010
Comm. No. DD 597081
Bonded Thru Notary Public Underwriters

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

Sharon Taylor
Deputy Clerk
Date 06-17-2008



ATS 17083

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Columbia County
Building Department
Residential Plan Review Checklist

Application #0806-59

Date Received: 6/30/08

911 Address: 630 SW Marigold Ave. Fort White 32038

Applicant Name: Kimmy Edgley Phone # 752-0580

Owner Name: Alfred & Serana Otero Phone # 752-0580

Contractor Name: Edgley Construction Company Phone # 752-0580

Fax Numbers: 752-4904

Engineer/Architect Name: Mark Disosway PE # 53951 Phone # 754-5419

Application and Processing Forms

1.	Application & Checklist complete	YES
2.	Notice of Commencement recorded at Columbia County Clerk office.	YES
3.	Section 18 Township 6s Range 17 Parcel Number Subdivision Name 09696-116	
4.	A copy of a approved Columbia County Environmental Health waste disposal system #08-0441	
5.	Owner Builder disclosure statement	N/A

6.	Front Setback 226' Side Setback 17'4" Side Setback 427.94' Rear Setback 346.8 10 ACRES Subdivision Tustenuggee Plantations Unrecorded Lot 16	
7.	Height of proposed structure measured from existing grade. 19'1"	
8.	Under roof square footage 2749	
9.	Condition heated/cooled area 1856 Florida energy code Matches 1856	
10.	Do application calculations agree with calculations on plans?	Yes
11.	Is the structure within the floodway?	No

Structure Code Compliance

12.	Are plans sealed by Architect or Engineer?	Yes
13.	Is correct wind speed shown? (FBC R301.2(4)) 110 MPH (3 second gust) Sheet S-1	Yes
14.	Is exposure category 'B' shown? (FBC R301.2.1.4) Sheet S-1	Yes
15.	Is Importance Factor 1 shown? (FBC 1604.5) Sheet S-1	Yes
16.	Is internal pressure coefficient shown? (fully enclosed .18/Partial .55) ASCE 7 Sheet S-1	Yes
17.	Are pressures for wind loading on components and cladding shown? (FBC R301.2) Sheet S-1	Yes
18.	Is there a proposed detach accessory structure on the same lot?	No
19.	Are the exterior walls, less than 6' apart, protected by 1 hr fire-resistance rating? (FBC R302.1)	N/A

20.	Are the projections extending into the 6' separation distance protected by 1 hr fire-resistance rating? (FBC R302.1)	N/A
21.	Are penetrations located in the exterior wall of a dwelling separated by less than 6' protected in accordance with FBC R317.3?	N/A

Energy Code Information

22.	Is current energy code form completed properly and signed by designer and owner/agent, address, climate zone(3), Jurisdiction (Columbia County) and jurisdiction number (221000)? (FBC 13-600)	Yes
23.	Does conditioned square feet area on plans match square feet shown on energy forms?	Yes
24.	Manuel J submitted?	No

Construction Plans

25.	Is Designer's name, address and phone number shown on plans?	Yes
26.	Are current codes used for design listed?	Yes

Foundation Plan

27.	Are all footings shown, including interior bearing walls, column pads and concentrated loads? Sheet S-2	Yes
28.	Are all locations of vertical reinforcement and anchor bolts shown with spacing and size? Sheet S-1	Yes
29.	Are all elevation changes in slab shown? Sheet S-1 & S-2	Yes
30.	Is horizontal reinforcement shown or specified? Sheet S-1	Yes
31.	Is minimum concrete PSI shown? (FBC R402.2) 2500 PSI Sheet S-2	Yes
32.	Wire meshes size and gauges shown or fiber meshes reinforcement?	No
33.	Fiber meshes reinforcement only? Sheet S-1 See General Notes	Yes
34.	Is vapor barrier, minimum 6 mil. shown? (FBC R320.1.4 & R506.2.3) Sheet S-2	Yes
35.	Is minimum slab on grade thickness shown? (FBC R506.1) 3 1/2 " Sheet S-2	Yes
36.	Is type of soil treatment for termites shown? (FBC R320) Sheet S-2	Yes
37.	Is perimeter slab reinforcement shown? Sheet S-2	Yes
38.	Do plans show bottom of foundation minimum of 12" below finish grade? (FBC R403.1.4) Sheet S-2	Yes
39.	Do plans show concrete footings have a specified compressive strength of not less than 2500 PSI at 28 days? (FBC TABLE R402.2) Sheet S-2	Yes

Typical Wall Section

40.	Is finished grade shown?	No
41.	Is minimum floor elevation shown?	No
A.	Minimum 6" above adjacent grade? (FBC R319.1(5)) Sheet S-2	Yes
B.	Minimum 12" above crown of road or drainage plan submitted?	No
C.	Flood protection elevation?	No

Typical Wall Section

D.	Base flood elevation? Zone X	Yes
E.	Are engineered floor elevations shown?	No
42.	Is minimum footing depth beneath finished grade shown? (FBC R403.1.4) Sheet S-2	Yes
43.	Are all footing sizes shown? (FBC TABLE R403.1 for minimum) Sheet S-2	Yes

44.	Are all horizontal reinforcements shown? (FBC R606.8) Sheet S-2	Yes
A.	Number and size of reinforcement? Sheet S-2	Yes
B.	Minimum lap?	Yes
43.	Is vertical reinforcement shown with spacing? (FBC R606.8) Sheet S-2	Yes
44.	Masonry construction: 8" CMU Stem Wall concrete Slab Sheet S-2	
A.	Is exterior wall finish shown? Elevation Drawing show lap Siding	No
B.	Is interior wall finish shown? Sheet A-2	Yes
C.	Is interior furring shown?	N/A
D.	Is insulation shown for exterior walls, floors, and roofs? Sheet A-2	Yes
45.	Wood frame construction: (FBC R602.3) On 4" concrete slab	Yes
A.	Is stud size, spacing, grade and lumber species shown? (FBC R602.3.1) Sheet A-2	Yes
B.	Are exterior sheathing (type and thickness) and attachment details shown? (FBC R602.3) Sheet S-1 One story wall section	Yes
C.	Are nailing requirements (size and spacing) shown? (FBC R602.3(1) through R602.3(4)) Sheet S-1 One story wall section	Yes
D.	Is exterior wall finish shown? Sheet S-1 One story wall section	Yes
E.	Is interior wall finish shown? Sheet A-2	Yes
F.	Is wall insulation shown? Sheet A-2	Yes
G.	Is minimum clearance between wood siding and finished grade shown? (FBC R319.1(5)) 6" Sheet S-1 One story wall section	Yes
H.	Are shear wall segments shown with detailed drawings? Sheet S-3	Yes
I.	Type of hold-downs with locations, number and type of fasteners shown? Sheet S-2 & S-3	Yes
46.	Are all hurricane anchorage and hold-downs specified and labeled? Sheet S-3	Yes
47.	Is connector schedule showing connector type, max uplift, number and size of fasteners provided? Sheet S-3	Yes
48.	Is ceiling type shown, drywall thickness? 1/2CCB Sheet A-2	Yes
49.	Are ceiling heights shown? (FBC R305) Sheet A-1	Yes

Roof Framing:

50.	Are engineered trusses shown? (FBC R802.10.2)	Yes
51.	Are conventional frame rafters used? (FBC R802.2)	No
52.	Rafter size shown?	N/A
53.	Are all hurricane anchors and hold downs shown and specified? Sheet S-3	Yes
54.	Species of lumber shown?	N/A
55.	Grade of lumber shown?	N/A
56.	Type of roof sheathing shown? (FBC R803) Sheet S-1 OSB	Yes
57.	Thickness of roof sheathing shown? 7/16" Sheet S-1	Yes
58.	Grade of roof sheathing shown?	No
59.	Nailing pattern of roof sheathing shown? (FBC Table R602.3(1)) Sheet S-1	Yes
60.	Type of roof cover shown? Submitted product approval specification	Yes
61.	Attachment asphalt/fiberglass shingles shown? (FBC R905.2) Submitted product approval specification	Yes
62.	Other roof covering and attachments shown?	No
63.	Length of roof overhang shown? Sheet S-1 One story wall section	Yes
64.	Type of soffit and fascia shown?	No
65.	Attic ventilation shown? (FBC R806) Sheet A-1	Yes

Floor Plan

66.	Does square footage on plan match square footage shown on energy form and site plan?	Yes
67.	Are square footage calculations shown for total square footage under roof?	Yes

68.	Are all room dimensions shown? (FBC R304.3) Sheet A-2	Yes
69.	Are all door and window sizes shown? Sheet A-2	Yes
70.	Are all exterior and adjacent doors shown to be insulated or solid core (other than glass doors)? Sheet A-2	Yes
71.	Is garage separated from the residence and its attic area by not less than 1/2 inch gypsum board? (FBC R309.2)	Yes
72.	Are habitable rooms above the garage separated by not less than 5/8 inch Type X gypsum board? (FBC R309.2)	N/A
73.	Is door between garage and living space equipped with solid wood door not less than 1 3/8 inches, solid or honeycomb core steel door not less than 1 3/8 inches thick, or 20 minute fire-rated door? (FBC R309.1)	Yes
74.	Are all emergency egress openings shown (egress windows and doors)? (FBC R310.1)	Yes
75.	Is required tempered glass shown at all hazardous locations? (FBC R308.4)	Yes
76.	Are all vertical reinforcements shown for shear walls shown?	Yes
77.	Are all shear wall segments shown?	Yes
78.	Are all hold-downs and hurricane anchorage shown and identified?	Yes
79.	Is required attic access shown? - 22" x 30" (FBC R807.7)	Yes
80.	Does one (1) bathroom on the first habitable floor level have a 29" net clear door opening and handicap accessible route? (FBC 11-11) (minimum door size 32")	Yes
81.	Does bedroom not opening directly into garage? (FBC R309.1)	No
82.	Is at least one 3' 0" wide, side hinged egress door shown? (FBC R311.4)	Yes
83.	Do doors and landings comply with FBC R311.4.3?	Yes
84.	Are habitable rooms shown with the minimum light and ventilation requirements of FBC R303.1? (8% natural light)	Yes
85.	Are garage doors, all windows, doors, sky lights and other openings shown as meeting wind load requirements for components and cladding per FBC R301.2.1? Are design pressures specified?	Yes
86.	Does floor plan show fireplace?	NO
87.	Does masonry fireplace have a detailed for a load-bearing foundation?	No
88.	Are copies of pre-fabricated fireplace manufacturer's specifications included?	N/A
89.	Is hearth size and detail shown? (FBC R1003.9)	N/A

Stairs Details

90.	Is minimum stair width shown? (FBC R311.5.1)	N/A
91.	Are tread and riser sizes shown? (FBC R311.5.3)	N/A
92.	Do spiral stairways comply with FBC R311.5.8.1?	N/A
93.	Are required landings and size shown? (Max vertical rise is 12' between floors.) (FBC R311.5.4)	N/A
94.	Are handrail height, spacing and grasp ability details shown? (FBC R311.5.6)	N/A
95.	Is required headroom clearance shown? (FBC R311.5.2) 6' 8"	N/A
96.	Are guardrail height, spacing and details shown (max openings less than 4")? (FBC R312)	N/A
97.	Are exterior door landing shown?	N/A

Porches

98.	Are all columns and beams shown for porches and lanais?	Yes
99.	Are column type, size and anchorage shown? Sheet S-1	Yes
100.	Are beam type, size, span and anchorage shown including garage opening and porch beams? Sheet S-1	Yes
101.	Are all lintel and beam details shown? (FBC R611.7.3)	N/A

Floor Framing (FBC-2307)

102.	Is joist plan provided, showing size, spacing, span, species, grade of lumber and connections?	N/A
103.	Is floor sheathing indicated, showing type, thickness and nailing pattern? (FBC R503)	N/A

104.	Is crawl space opening shown (18" x 24" minimum)? (FBC R408.3)	N/A
105.	Is the crawl space showed to be insulated, showing R rating?	N/A
106.	Is joist plan provided, showing size, spacing, span, species, grade of lumber and connections?	N/A
107.	Is floor sheathing indicated, showing type, thickness and nailing pattern? (FBC R503)	N/A
108.	Is crawl space opening shown (18" x 24" minimum)? (FBC R408.3)	N/A
109.	Is the correct amount of area of ventilation openings shown? (FBC R408.2)	N/A

Elevations

110.	Does plan show four (4) elevations?	Yes
111.	Are attic ventilation requirements shown? (FBC R806.1) Sheet A-1	Yes
112.	Are roof pitch and overhang shown for sloped and flat roofs?	Yes
113.	Is chimney height and location shown? (FBC R1001.6)	Yes
114.	Are all lanai/porch details shown?	Yes
115.	Are roof drainage provisions shown? (FBC R801.3)	No
116.	Does the front elevation show the existing grade elevation?	No
117.	Is total height shown from the existing grade, not from finished floor?	Yes

Structural Details (also see Structural Code Compliance section)

118.	Are gable end bracing details shown? Hip roof	Yes
119.	Are roof sheathing nailing zones shown? (FBC FIGURE R301.2(8))	Yes
120.	Are wind design pressures for components and cladding shown? (FBC R301.2)	Yes
121.	Are exterior windows and glass doors shown as approved by independent testing laboratory and do they bear a label by AAMA or WDMA or other approved label? (FBC R613.3.1)	Yes
122.	Are exterior window and door manufacturer's specifications and installation details which meet the specified design pressures provided?	Yes
123.	Are window and door installation and buck details shown?	Yes
124.	Are mullion installation details and design criteria provided	
125.	Are garage door positive and negative design wind pressures shown as meeting requirements of 1.5 x pressure? (FBC R613.4)	Yes
126.	Are number and size of fasteners for all connections shown?	Yes

Electrical (NEC)

127.	Is underground service specified? (WPA 106.3.4)	Yes
128.	Is an exterior service disconnect shown?	Yes
129.	Is service size (amps) and location shown? (NEC 230)	Yes
123.	Are panel locations shown with proper clearances (NEC 384)?	Yes
124.	Are disconnects shown (WH and A/C equipment) (NEC 440-14)? Include exterior 110 Volt receptacle GFI Near Ac Compressor	Yes
125.	Are GFI receptacles (kitchen, bath, exteriors, basements and garage) shown? (NEC 210-8)	Yes

Electrical (NEC)

126.	Are all smoke detectors shown (bedroom halls, top & bottom of stairs)? (FBC R313.1)	Yes
127.	Are the required carbon monoxide alarm shown within 10 feet of each room used for sleeping room, with the dwelling having a fossil-fuel-burning heater or appliance, a fireplace, or an attached garage carbon monoxide alarm installed purposes.	No
128.	Are receptacle locations shown? (NEC 210-52) The <u>2008 National Electric Code</u> expands the Combination Type AFCI requirement beyond bedroom circuits to include additional circuits in the home , (i.e. family rooms, dining rooms, living rooms, hallways, libraries, dens, sun rooms, recreation rooms, and similar rooms.	No
129.	NEC Article 406.11 states that all 125-volt, 15- and 20-ampere receptacles shall be listed tamper-resistant receptacles the effective date will be upon the adoption of the 2008 NEC	No
130.	Walls receptacles (12 ft. o.c. & 6 ft from openings)?	Yes
140.	Kitchen counter tops (12 in. widths, 48 in. o.c. and 2in. from edge of counter) and islands?	Yes

141.	Plan shows GFI – receptacles, with water proof or unattended type covers front and rear of dwelling.	Yes
142.	Is switched lighting shown? (NEC 210-70)	Yes
143.	A. Top and Bottom of stairs?	N/A
144.	B. Attic access?	No
145.	C. Exterior doors?	Yes
146.	D. Occupiable rooms (light or switched receptacle)?	Yes
147.	Are all electrical fixtures shown?	Yes

Plumbing (FPC)

148.	Are all plumbing fixtures shown on the foundation plan and floor plan?	Yes
149.	Is water heater size and location shown?	Yes
150.	Is the potable well shown on the site plan to include the size of pump motor, size of pressure tank and cycle stop valve?	Yes

Mechanical (FMC)

151.	Are all mechanical fixtures shown?	Yes
152.	Are the clothes dryer vent route shown not to exceed 25 feet from the dryer location to the outlet terminal.(Fuel & Gas code 504.4)	Yes

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: 803261EdgleyConstruction
Address:
City, State: Lake City, FL 32025-
Owner: Otero Residence
Climate Zone: North

Builder:
Permitting Office: Columbia
Permit Number: 27178
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 3 ☐
5. Is this a worst case? Yes ☐
6. Conditioned floor area (ft²) 1856 ft² ☐
7. Glass type¹ 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) 211.3 ft² ☐
 - b. SHGC:
 - (or Clear or Tint DEFAULT) 7b. (Clear) 211.3 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 182.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1036.7 ft² ☐
 - b. Frame, Wood, Adjacent R=13.0, 148.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1958.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 176.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 34.0 kBtu/hr ☐
 - SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 34.0 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)

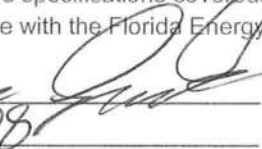
Glass/Floor Area: 0.11

Total as-built points: 23703

Total base points: 26660

PASS

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

PREPARED BY: 63 

DATE: 3-27-08

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: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1856.0	20.04	6695.0	Double, Clear	SW	8.0	5.5	20.0	40.16	0.43	344.5
				Double, Clear	SW	8.0	5.5	30.0	40.16	0.43	516.7
				Double, Clear	S	8.0	5.5	20.0	35.87	0.48	341.6
				Double, Clear	SW	1.5	5.5	60.0	40.16	0.86	2079.6
				Double, Clear	NW	1.5	1.5	4.0	25.97	0.64	66.3
				Double, Clear	NE	7.0	5.5	30.0	29.56	0.54	475.3
				Double, Clear	NE	7.0	7.3	13.3	29.56	0.60	233.9
				Double, Clear	NE	1.5	5.5	30.0	29.56	0.91	802.9
				Double, Clear	SE	1.5	1.5	4.0	42.75	0.49	84.6
				As-Built Total:				211.3	4945.5		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	148.0	0.70	103.6	Frame, Wood, Exterior	13.0		1036.7	1.50	1555.0		
Exterior	1036.7	1.70	1762.4	Frame, Wood, Adjacent	13.0		148.0	0.60	88.8		
Base Total:				1184.7		1866.0		As-Built Total:			
						1184.7		1643.8			
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	20.0	1.60	32.0	Exterior Insulated			20.0	4.10	82.0		
Exterior	40.0	4.10	164.0	Exterior Insulated			20.0	4.10	82.0		
				Adjacent Insulated			20.0	1.60	32.0		
Base Total:				60.0		196.0		As-Built Total:			
						60.0		196.0			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1856.0	1.73	3210.9	Under Attic	30.0		1958.0	1.73 X 1.00	3387.3		
Base Total:				1856.0		3210.9		As-Built Total:			
						1958.0		3387.3			
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	182.0(p)	-37.0	-6734.0	Slab-On-Grade Edge Insulation	0.0		182.0(p)	-41.20	-7498.4		
Raised	0.0	0.00	0.0								
Base Total:						-6734.0		As-Built Total:			
						182.0		-7498.4			
INFILTRATION Area X BSPM = Points								Area X SPM = Points			
						1856.0		10.21			
						18949.8					
						1856.0		10.21			
						18949.8					

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

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 24183.6			Summer As-Built Points: 21624.0					
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
24183.6	0.4266	10316.7	(sys 1: Central Unit 34000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 21624	1.00	(1.09 x 1.147 x 1.00)	0.263	1.000	7097.7
			21624.0	1.00	1.250	0.263	1.000	7097.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

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	1856.0	12.74	4256.2	Double, Clear	SW	8.0	5.5	20.0	16.74	1.80	601.2
				Double, Clear	SW	8.0	5.5	30.0	16.74	1.80	901.8
				Double, Clear	S	8.0	5.5	20.0	13.30	3.24	861.9
				Double, Clear	SW	1.5	5.5	60.0	16.74	1.07	1076.8
				Double, Clear	NW	1.5	1.5	4.0	24.30	1.02	99.6
				Double, Clear	NE	7.0	5.5	30.0	23.57	1.05	742.3
				Double, Clear	NE	7.0	7.3	13.3	23.57	1.04	326.9
				Double, Clear	NE	1.5	5.5	30.0	23.57	1.01	712.7
				Double, Clear	SE	1.5	1.5	4.0	14.71	1.94	113.9
				As-Built Total:			211.3		5437.1		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	148.0	3.60	532.8	Frame, Wood, Exterior	13.0		1036.7	3.40		3524.8	
Exterior	1036.7	3.70	3835.8	Frame, Wood, Adjacent	13.0		148.0	3.30		488.4	
Base Total: 1184.7 4368.6				As-Built Total:		1184.7		4013.2			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	8.00	160.0	Exterior Insulated			20.0	8.40		168.0	
Exterior	40.0	8.40	336.0	Exterior Insulated			20.0	8.40		168.0	
				Adjacent Insulated			20.0	8.00		160.0	
Base Total: 60.0 496.0				As-Built Total:		60.0		496.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1856.0	2.05	3804.8	Under Attic	30.0		1958.0	2.05 X 1.00		4013.9	
Base Total: 1856.0 3804.8				As-Built Total:		1958.0		4013.9			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	182.0(p)	8.9	1619.8	Slab-On-Grade Edge Insulation	0.0		182.0(p)	18.80		3421.6	
Raised	0.0	0.00	0.0								
Base Total: 1619.8				As-Built Total:		182.0		3421.6			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1856.0 -0.59 -1095.0				1856.0 -0.59 -1095.0							

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

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		13450.3		Winter As-Built Points:				16286.7		
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
13450.3	0.6274		8438.7	(sys 1: Electric Heat Pump 34000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 16286.7	1.000	(1.069 x 1.169 x 1.00)	0.432	1.000		8785.2
13450.3				16286.7	1.00	1.250	0.432	1.000		8785.2

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

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
3		2635.00	7905.0	40.0	0.93	3		1.00	2606.67 1.00 7820.0
				As-Built Total:					7820.0

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
10317		8439	7905 26660	7098		8785	7820 23703

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

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* = 85.3

The higher the score, the more efficient the home.

Otero Residence, , Lake City, FL, 32025-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 34.0 kBtu/hr ___
3. Number of units, if multi-family	1	___		SEER: 13.00 ___
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1856 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: 34.0 kBtu/hr ___
(or Single or Double DEFAULT)	7a. (Dble Default) 211.3 ft ²	___		HSFP: 7.90 ___
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 211.3 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 182.0(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, 1036.7 ft ²	___	(HR-Heat recovery, Solar	___
b. Frame, Wood, Adjacent	R=13.0, 148.0 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, 1958.0 ft ²	___	MZ-C-Multizone cooling,	___
b. N/A		___	MZ-H-Multizone heating)	___
c. N/A		___		___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 176.0 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)

 Daley
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.





Architectural Testing

AAMA/NWWDA 101/I.S.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/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and 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 APR 2007



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

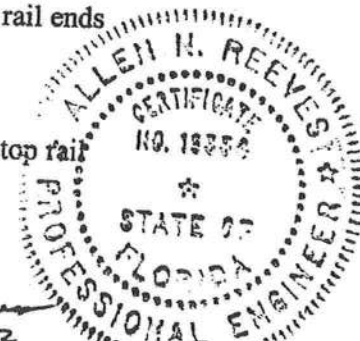
Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting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



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.*

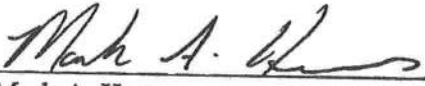
Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"

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

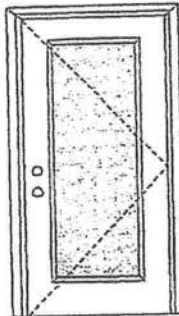


X
Glazed Inswing Unit

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 ITSAWH website (www.itsema.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



136 Series



620 Series

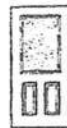


822 Series

1/2 GLASS:



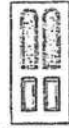
105 Series*



106, 160 Series*



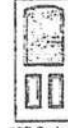
129 Series*



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 Balthaz

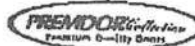
State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533



Test Data Review Certificate #202647A and COP/First Report Validation Table 4302647A-001 provides additional information - available from the ITSMH website (www.itsmh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson
EntrySystems

June 17, 2003
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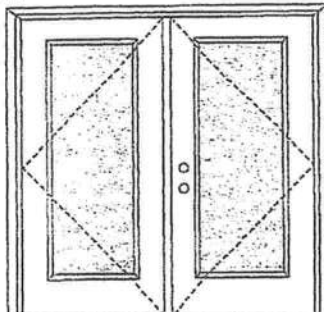
Exclusively from
Masonite
Masonite International Corporation

XX
Glazed Inswing Unit

COP-WL-JH4142-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3025447A and COP/Test Report Validation Matrix #3025447A-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
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.

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



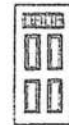
133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



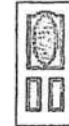
12 R/L, 23 R/L, 24 R/L Series*



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.

Johnson™

Exclusively from

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. Balhazor

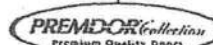
State of Florida, Professional Engineer
Kurt Balhazor, P.E. - License Number 56533



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

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EntrySystems™

June 17, 2002
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Exclusively from
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Masonite International Corporation

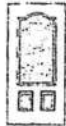
WOOD-EDGE STEEL DOORS

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



128 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 and 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.itsamko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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EntrySystems

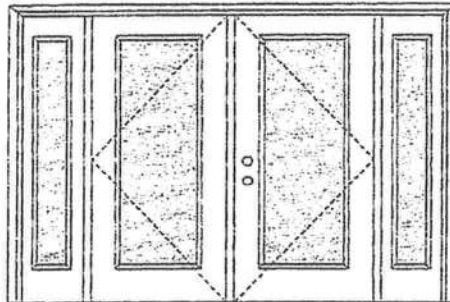
June 17, 2002
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Exclusively from
Masonite
Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3028447A 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*



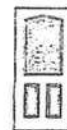
129 Series*



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 ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson
EntrySystems

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



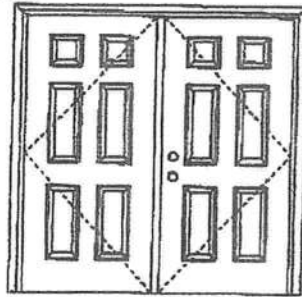
Exclusively from

Masonite International Corporation

XX

Opaque Inswing Unit

COP-WL-JH4102-02

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

Test Data Review Certificate #1025447A
and COP/Inst Report Validation Matrix
#3092041A-001 provides additional
information - available from the ITG/WH
website (www.itgwh.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 6'6".

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

Design Pressure
+45.0/-45.0

Exhibit water unless coastal 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 edition 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 small



Eyebrow 5-panel



Eyebrow 5-panel with screen

Johnson
EntrySystems

June 17, 2002

Our continuing program of product improvement meets new regulations, codes and product
usage subject to change without notice.



Exclusively from

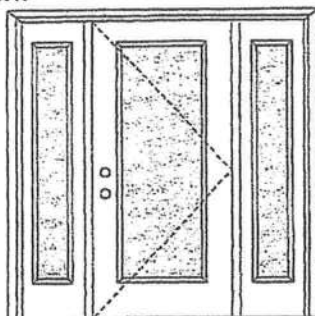
Masonite International Corporation

OXO
Glazed Inswing Unit

GOP-WL-JH4144-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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.

Warnock Hersey



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".

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*



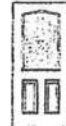
120 Series*



200 Series*



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



107 Series*



108 Series



304 Series

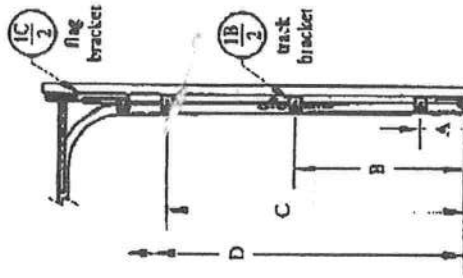
*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson™



Exclusively from

Door Model	Gauge	Decimal
2250/2251	25	.0185
4250/4251	25	.0185
2240/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225

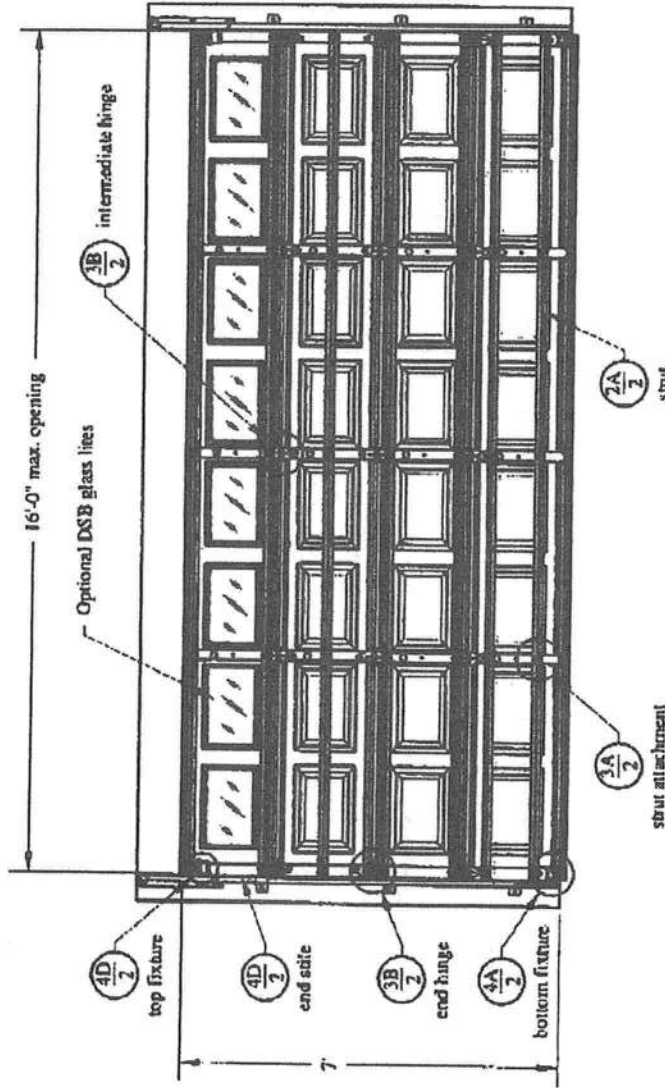


door height	height in inches	height in feet	height in feet
6'-0" to 7'-0"	4	7	2
7'-0" to 8'-0"	5	8	4
8'-3" to 9'-0"	5	9	4
9'-0" to 10'-0"	6	11	5
10'-0" to 12'-3"	7	13	6
12'-6" to 14'-0"	8	15	7

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high

Track Bracket Chart	door height									
	6'-6"	7'-0"	7'-6"	8'-0"	8'-3"	8'-6"	8'-9"	9'-0"	9'-3"	9'-6"
D	n/a	n/a	69"	72"	81"	84"	87"	87"	87"	87"
C	60"	63"	66"	66"	66"	66"	66"	66"	66"	66"
B	55"	55"	55"	55"	55"	55"	55"	55"	55"	55"
A	10"	7"	10"	10"	10"	10"	10"	10"	10"	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 102-2002

Design Pressure (DP): 13.5 psf / 20.7 deg

Test Pressure (TP): 27.8 psf / 31.1 deg

Per 2004 FBC Table 1609.6E, DP meets or exceeds basic wind speed of:

V = 110 MPH for Exposure B and mean roof height of 30' or less

V = 93 MPH for Exposure C and mean roof height of 30' or less

Maximum door size: 16'-0" wide by 14'-0" tall

Glazing and door have not been tested for windborne debris.

Wood back 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.

John E. States, P.E.
1411 LeMay Street #205
Canollon, Texas 75007
Florida P.E. # 51737

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

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

FL 5319

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.

① 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

② SECOND COURSE

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

③ THIRD COURSE

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

④ 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.

For a Limited Wind Warranty, all Prestique and Prestique Plus 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.



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HIP AND RIDGE SHINGLES	
Seal-A-Ridge® w/FLX™	Pieces/Bundle: 45
Vented RidgeCrest™ w/FLX™	Exposure: 6"
	Size: 12" x 12"
	Exposure: 9"
	Size: 13" x 13"
	Exposure: 9"
	Pieces/Box: 26

Prestique I High Definition	
Product size	13" x 39"
Exposure	5"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq. ft.
Squares/Pallet	14
Product size	13" x 39"
Exposure	5"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq. ft.
Squares/Pallet	14

Prestique Plus High Definition and Prestique Gallery Collection™	
Product size	13" x 39"
Exposure	5"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq. ft.
Squares/Pallet	11
Product size	13" x 39"
Exposure	5"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq. ft.
Squares/Pallet	11

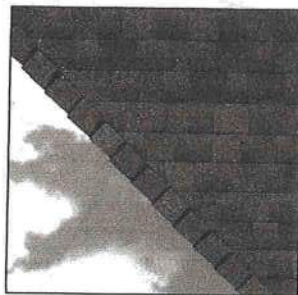
50-year limited warranty period:
5-7 years non-protected coverage for shingles and application labor with protected coverage for remainder of limited warranty period, plus an option for transferability*. Wind limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***

40-year limited warranty period:
5-7 years non-protected coverage for shingles and application labor with protected coverage for remainder of limited warranty period, plus an option for transferability*. Wind limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***

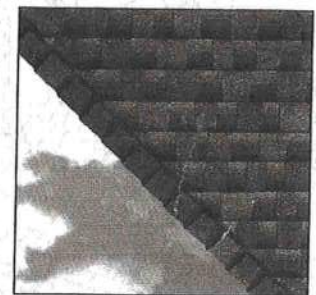
RAISED PROFILE	
Product size	13" x 38"
Exposure	5"
Pieces/Bundle	22
Bundles/Square	3/100 sq. ft.
Squares/Pallet	16
Product size	13" x 38"
Exposure	5"
Pieces/Bundle	22
Bundles/Square	3/100 sq. ft.
Squares/Pallet	16

30-year limited warranty period:
5-7 years non-protected coverage for shingles and application labor with protected coverage for remainder of limited warranty period, plus an option for transferability*. Wind limited wind warranty*. Wind Coverage: standard 70 mph.

30-year limited warranty period:
5-7 years non-protected coverage for shingles and application labor with protected coverage for remainder of limited warranty period, plus an option for transferability*. Wind limited wind warranty*. Wind Coverage: standard 70 mph.



RAISED PROFILE®



PRESTIQUE® HIGH DEFINITION®



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.

* 27178

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 32056
Company Business License No. JB109476 Company Phone No. 386-755-3611 • 352-494-5751
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Edgely Const Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 630 S.W. Marigold Ave
St. White 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 Asst

Section 4: Treatment Information

Date(s) of Treatment(s) 6-7-08
Brand Name of Product(s) Used Bifen
EPA Registration No. 53483-184
Approximate Final Mix Solution % .6
Approximate Size of Treatment Area: Sq. ft. 2749 Linear ft. 221 Linear ft. of Masonry Voids 221
Approximate Total Gallons of Solution Applied 407
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 Brenner Certification No. (if required by State law) JF104376

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.

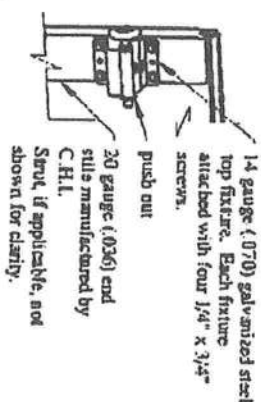
Authorized Signature [Signature] Date 6-7-08

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

Form NPCA-99-B may still be used

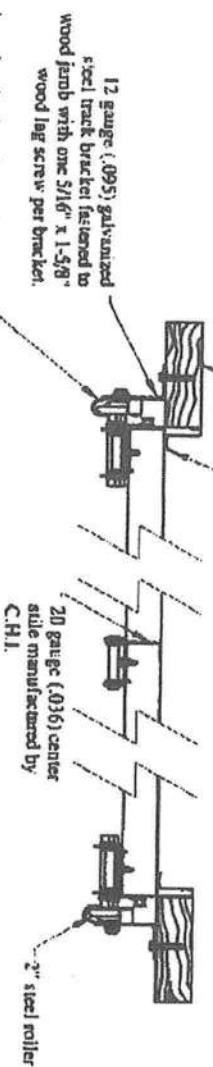
form HUD-NPCA-99-B (04/2003)

Details on some views may have been omitted for clarity.



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

The 2x6 vertical wood jambs are to be grade 2 or better southern pine. Fasteners may be countersunk to provide a flush mounting surface.



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

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

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

2" x .051 min. galvanized steel track fastened to track brackets. Each track bracket attached with one 1/4" x 5/8" track bolt and nut.

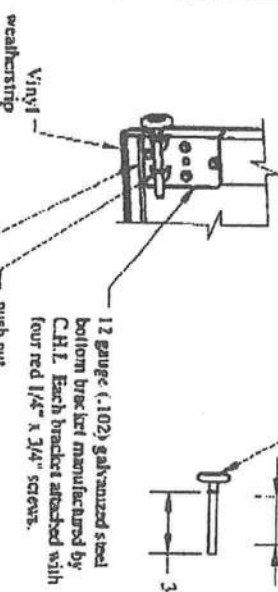
2" steel track roller

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

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

12 gauge (.085) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

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



20 gauge (.034) 53 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile or hinge plate.

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

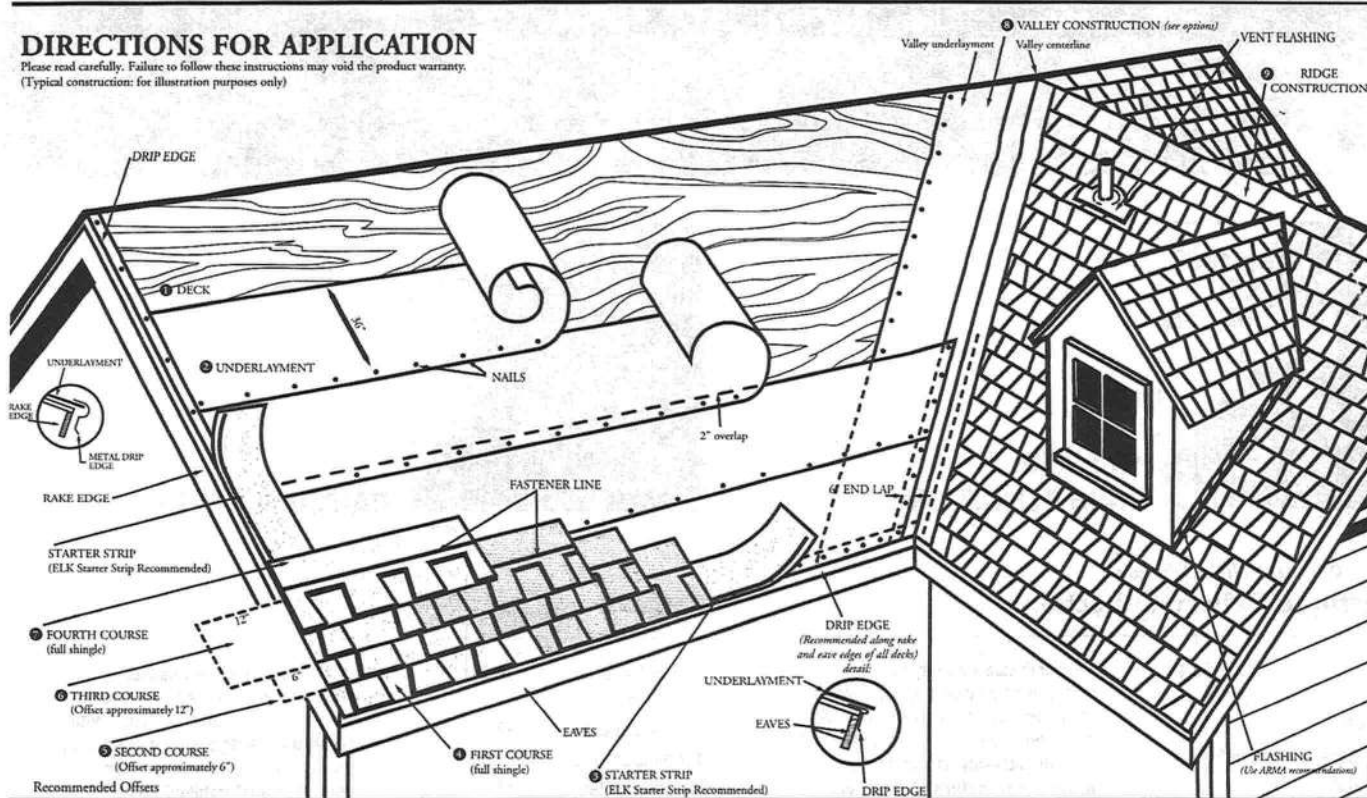
John E. Scater, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

Design Load: 18.5 psf / 20.7 meg
Test Load: 27.8 psf / 31.1 meg
page 2 of 2

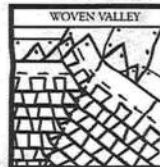
C.H.I. Drawing: ZS-1607-01100

DIRECTIONS FOR APPLICATION

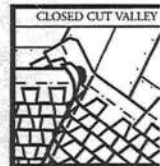
Please read carefully. Failure to follow these instructions may void the product warranty.
(Typical construction: for illustration purposes only)



VALLEY CONSTRUCTION (California Open and California C also acceptable valleys.)



VALLEY CENTER LINE



VALLEY CENTER LINE



VALLEY CENTER LINE

NOTE: For complete ARMA wall 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.

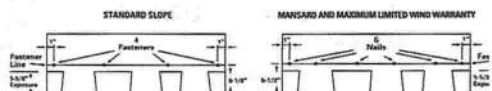
LIMITED WIND WARRANTY

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.® Wir 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 the shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

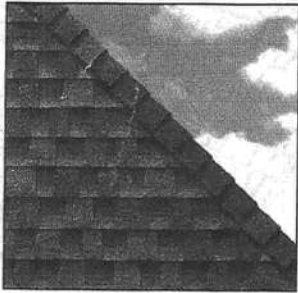
ELK
The Premium Choice[®]
www.elkcorp.com

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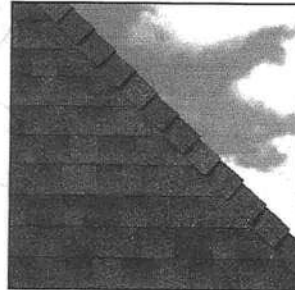


ELK

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: 6½"
Pieces/Bundle: 45
Coverage: 4 Bundles =
100 linear feet

Vented RidgeCrest™ w/FLX™

Size: 13" x 13¼"
Exposure: 9½"
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. All warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

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

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

PLANT LOCATION:
800.945.5545

ELK
The Premium Choice®
www.elkcorp.com

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: ITG6215-Z0427150759

Truss Fabricator: W.B. Howland
Job Identification: 5345-OTERO RESIDENCE /EDGELY CONSTRUCTION -- LAKE CITY, FL
Truss Count: 34
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.38, 7.25.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 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: TCFILLER-BCFILLER-BRCLBSUB-



Seal Date: 03/27/2008

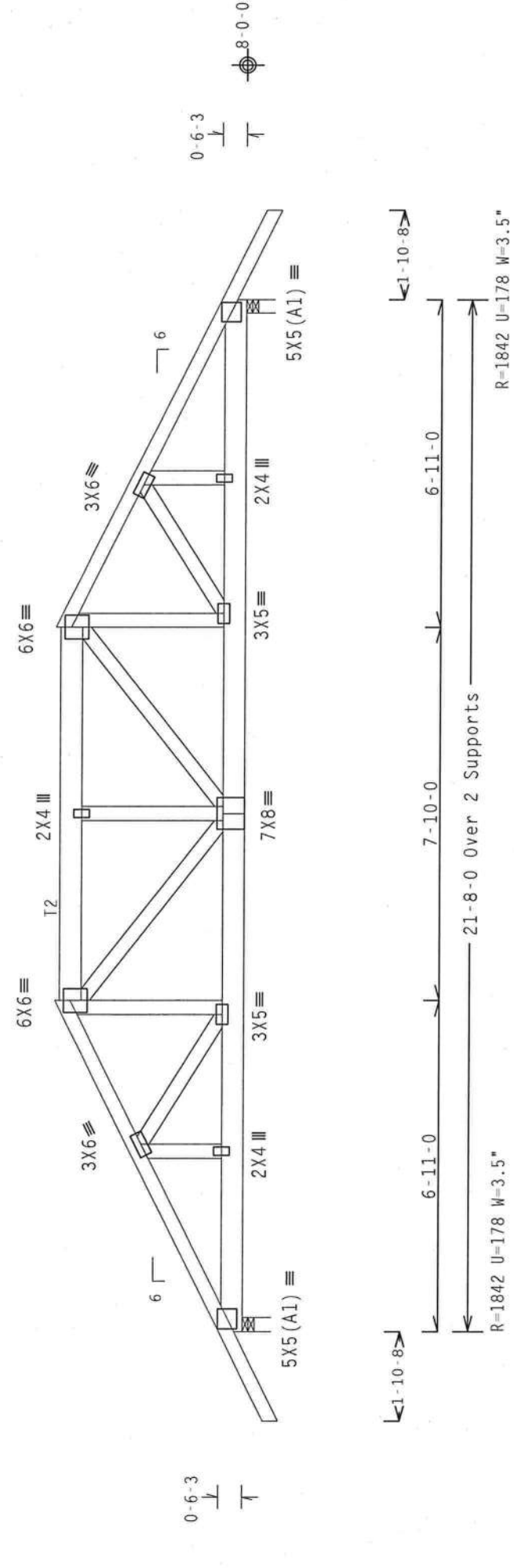
-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

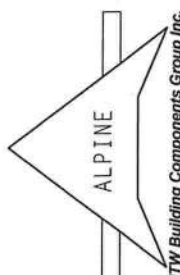
#	Ref	Description	Drawing#	Date
1	35017--	A1HG	08087010	03/27/08
2	35018--	A2	08087019	03/27/08
3	35019--	A3	08087033	03/27/08
4	35020--	A4	08087030	03/27/08
5	35021--	B1HG (2-PLY)	08087038	03/27/08
6	35022--	B2	08087012	03/27/08
7	35023--	B3	08087013	03/27/08
8	35024--	B4	08087014	03/27/08
9	35025--	B5	08087015	03/27/08
10	35026--	B6	08087016	03/27/08
11	35027--	B7	08087017	03/27/08
12	35028--	B8	08087018	03/27/08
13	35029--	B9	08087020	03/27/08
14	35030--	B10	08087041	03/27/08
15	35031--	B11	08087034	03/27/08
16	35032--	B12	08087040	03/27/08
17	35033--	B13	08087039	03/27/08
18	35034--	B14	08087028	03/27/08
19	35035--	B15	08087027	03/27/08
20	35036--	B16	08087026	03/27/08
21	35037--	B17	08087025	03/27/08
22	35038--	B18	08087024	03/27/08
23	35039--	B19	08087023	03/27/08
24	35040--	B20	08087022	03/27/08
25	35041--	B21HG (2-PLY)	08087011	03/27/08
26	35042--	JC1	08087039	03/27/08
27	35043--	JC3	08087037	03/27/08
28	35044--	JC3A	08087043	03/27/08
29	35045--	JC5	08087036	03/27/08
30	35046--	JC5A	08087035	03/27/08
31	35047--	JE7	08087040	03/27/08
32	35048--	JE7A	08087042	03/27/08
33	35049--	JH10	08087032	03/27/08
34	35050--	JH10A	08087041	03/27/08



Top chord 2x4 SP #2 N : T2 2x6 SP #2 N :
Bot chord 2x6 SP #2 N :
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, lw=1.00 GCpi(+/-)=0.18

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
#1 hip supports 7'-0" jacks w/2 panel TC and no end vert.
Plates sized for a minimum of 3.00 sq.in./piece.
Wind reactions based on MWFRS pressures.
Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 3'-11"-11."





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

PLT TYP. Wave\R

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

QTY: 1

Scale = .3125" /Ft.

TC LL	20.0 PSF	REF	R215--	35017
TC DL	10.0 PSF	DATE	03/27/08	
BC DL	10.0 PSF	DRW	HCUSR215	08087010
BC LL	0.0 PSF	HC-ENG	RA/WHK	
TOT.LD.	40.0 PSF	SEQN-	207725	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TG6215_Z04	

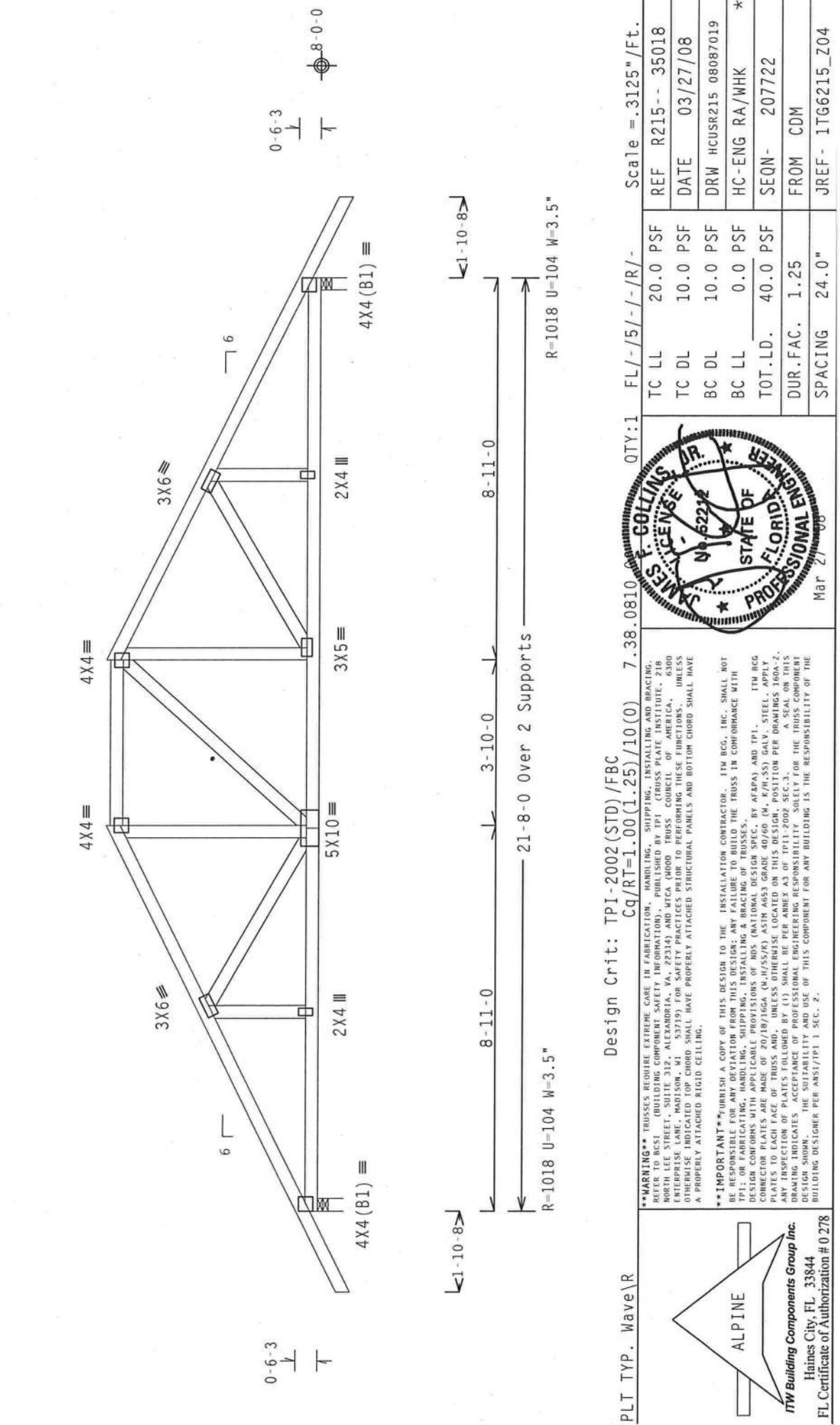
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 4-11-11.

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. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Plates sized for a minimum of 3.00 sq.in./piece.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.38.0810 QTY:1

Scale = .3125" / Ft.

TC LL	20.0 PSF	FL / - / 5 / - / - / R / -
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-- 35018
DATE 03/27/08
DRW HCUSR215 08087019
HC-ENG RA/WHK
SEQN- 207722
FROM CDM
JREF- 1TG6215_Z04

James F. Collins, Dr.
Professional Engineer
State of Florida
License No. 52212
Mar 21 08

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

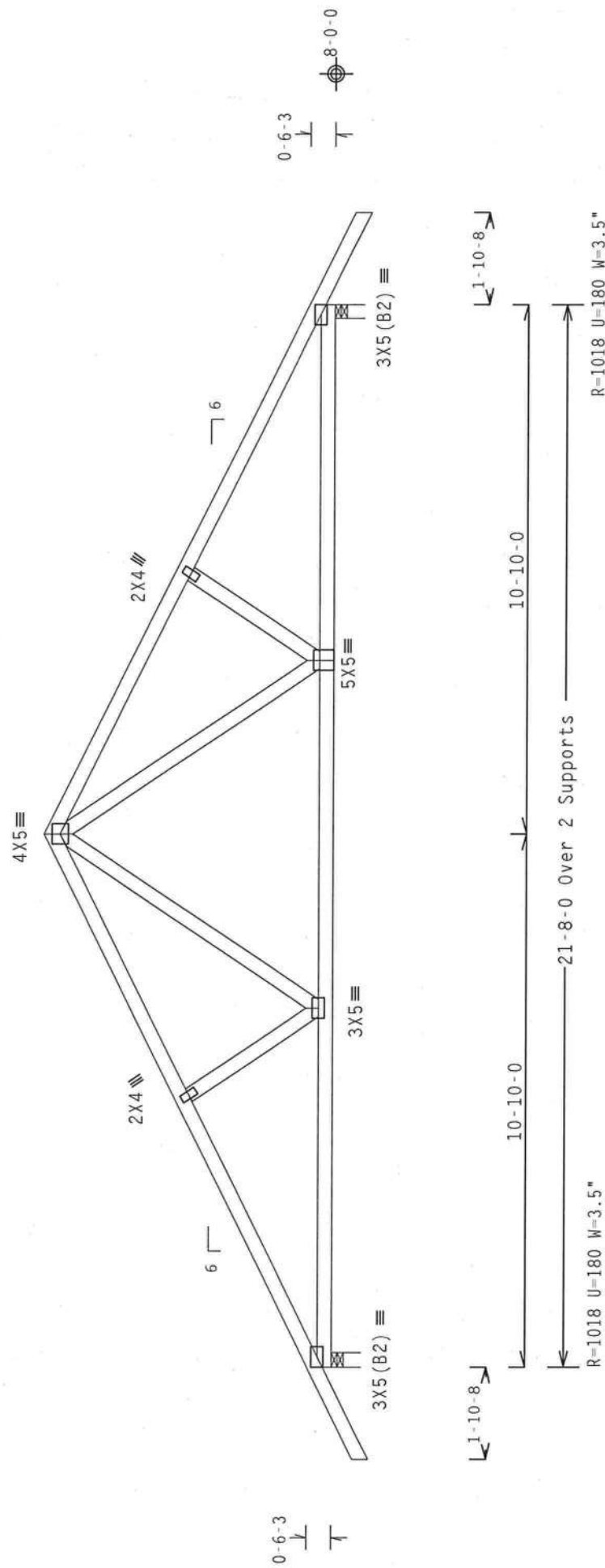
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 5-11-3.

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

PLT TYP. Wave\R

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

0TY.3 EI / - / 5 / - / - / R / -

Scale = .3125"/Ft.

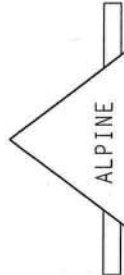
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PROTECT TRUSSES FROM DRAINING, CORROSION, AND DAMAGE. FOR MORE INFORMATION, PUBLISHED BY TPI (CRUSS PLATE INSTITUTE, 2108 NORTH LEE STREET, MADISON, WI 53717) FOR SAFETY PRACTICES, PLEASE REFER TO THE FOLLOWING REFERENCES. 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
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 BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (BRUSS PLATE INSTITUTE, 218 STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE DRIVE, WILMINGTON, OH, 43737) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP AND BOTTOM 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. ITR BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

TOP CHORDS COMING WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ACPA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/166A (4-1/2X5/8X) ASH A653 GRADE 40/60 (A, K/H-S5) GALV. STEEL. APPLY THE SAME TO ALL TRUSSES AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF THE TRUSS SHALL BE CONDUCTED IN ACCORDANCE WITH ACPA 1711-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER RESPONSIBILITY TO SELECT FOR THE TRUSS COMPONENT DESIGN. SIGNATURE. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ASCE/TPPI 1 SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 027

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

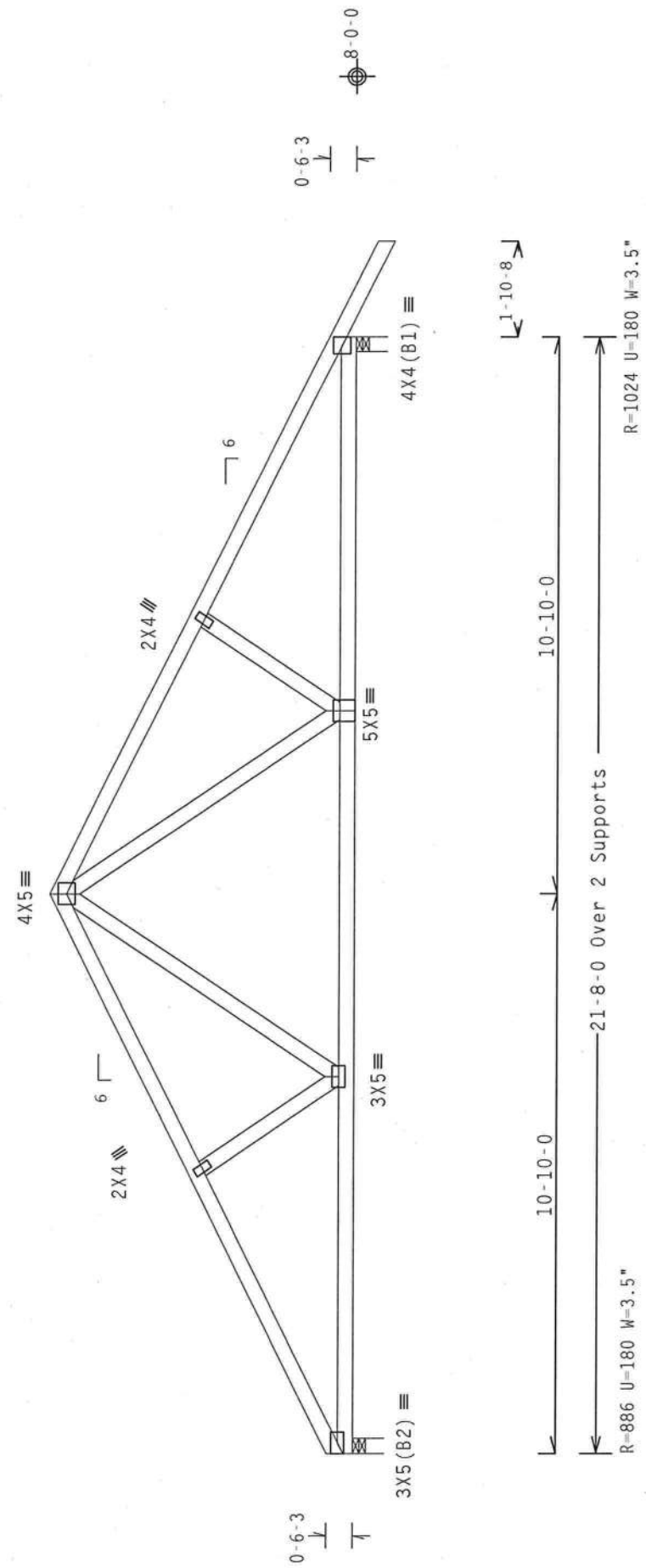
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

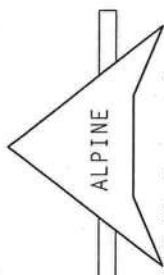
Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 5-11-3.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R	QTY: 4	FL/-/5/-/-/R/-	Scale = .3125"/Ft.
	TC LL	20.0 PSF	REF R215-- 35020
	TC DL	10.0 PSF	DATE 03/27/08
	BC DL	10.0 PSF	DRW HCUSR215 08087030
	BC LL	0.0 PSF	HC-ENG JK/AP *
	TOT.LD.	40.0 PSF	SEQN- 156790
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF- 1TG6215_Z04

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (NATIONAL 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; OF FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL BE FABRICATED TO MEET ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI-2002 SEC. 2.1. THE DESIGNER'S 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 :T2, T3 2x6 SP #2 N:
Bot chord 2x6 SP #2 N
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 MMFRS pressures.

#1 hip supports 6-11-0 jacks W/2 panel TC and no end vert.

Deflection meets L/360 live and L/240 total load.

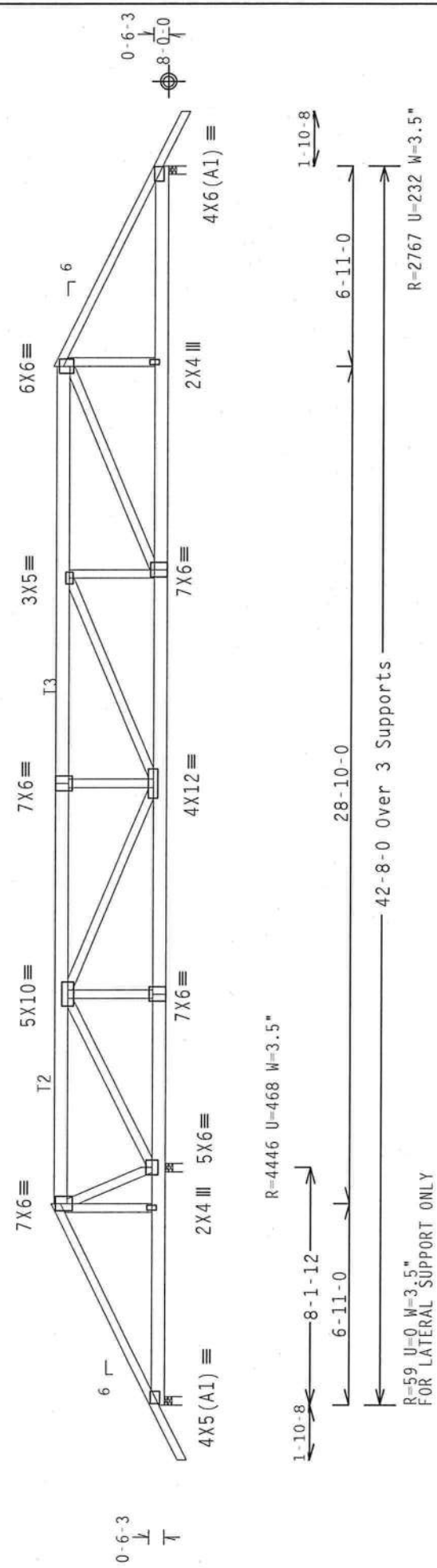
The overall height of this truss excluding overhang is 3-11-11.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

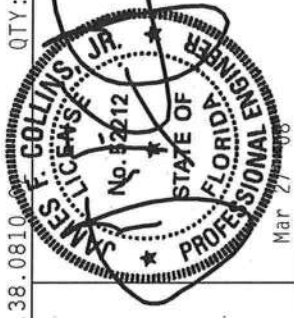
Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.38.0810

Scale = .1875" /Ft.

QTY:1	FL/-/5/-/R/-	TC LL	20.0 PSF	REF	R215--	35021
		TC DL	10.0 PSF	DATE	03/27/08	
		BC DL	10.0 PSF	DRW	HCUSR215	08087038
		BC LL	0.0 PSF	HC-ENG	RA/WHK	
		TOT.LD.	40.0 PSF	SEQN-	207733	
		DUR.FAC.	1.25	FROM	CDM	
		SPACING	24.0"	JREF-	1TG6215_Z04	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI-1. 1TH BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (N.H/SS/ST) ASTM A653 GRADE 40/60 (N. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1-2002 SEC.3. A SEAL ON THIS ANNEX INDICATES 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.

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, 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

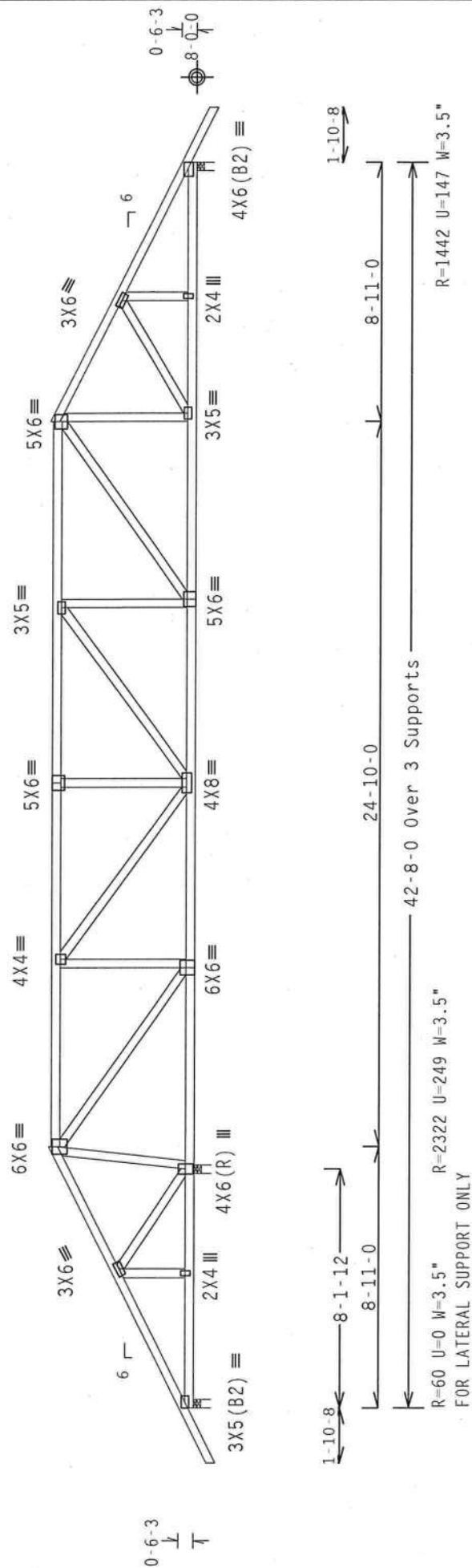
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq. in./piece.

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



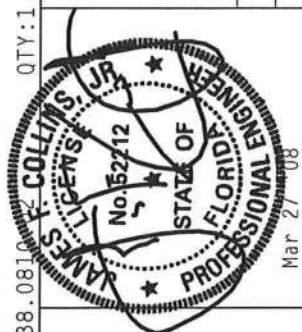
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

Scale = 1875"/Ft

TC LL	20.0	PSF	REF	R215--	35022
TC DL	10.0	PSF	DATE	03/27/08	
BC DL	10.0	PSF	DRW	HCUSR215	08087012
BC LL	0.0	PSF	HC-ENG	RA/WHK	
TOT.LD.	40.0	PSF	SEQN-	207737	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1TG6215	Z04



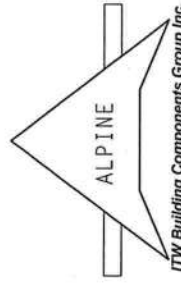
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESIST BUILDING COMPONENT SAFETY MANUAL FOR THE TRUSS PLATE CONNECTIONS. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO OR LOSS OF PROPERTY DURING TRANSPORTATION. IF A TRUCK ACCIDENT OCCURS, NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND TELEPHONE NUMBER 703-698-1000 MUST BE CALLED IMMEDIATELY. ENTERPRISE LANE, MADISON, WI 53719, IS THE ADDRESS FOR ALL CORRESPONDENCE CONCERNING 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 TYPE OR CONFIGURATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,

CONTRACTOR PLATES ARE MADE OF 20/18/16GA (.04/.055)SS ASHIN A653 GRADE 40/60 (M. K/2H-S5) GALV. STEEL. APPLY PLATES TO EACH PAIR OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DIMENSIONS 160A-Z. A SIAL ON THIS DESIGN SHOWS ACCEPTABLE TOLERANCES. THE TOLERANCE ALLOWED BY (1) SHALL BE PER AMERICAN A3 OF 1911-2002 SEC.3.

DRAWING INDICATES ACCEPTABLE TOLERANCES. THE TOLERANCE ALLOWED BY (1) SHALL BE PER AMERICAN A3 OF 1911-2002 SEC.3.

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.



ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 27

James 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.

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

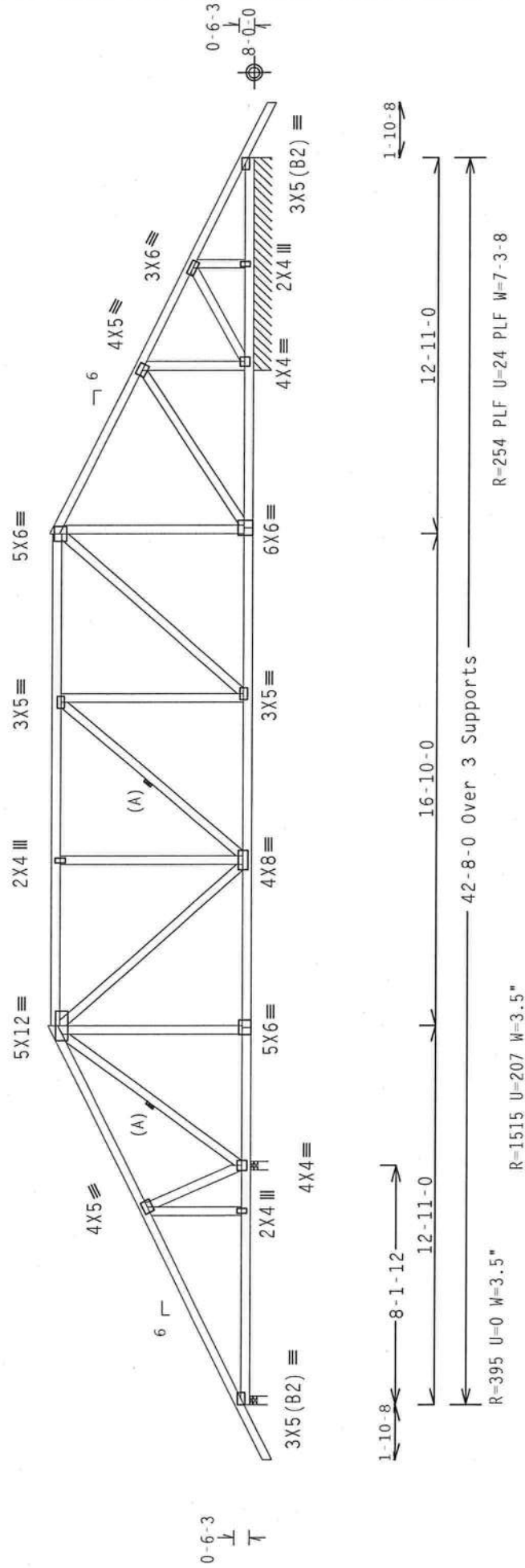
Plates sized for a minimum of 3.00 sq.in./piece.

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/360 live and L/240 total load.

The overall height of this truss excluding overhang is 6-11-11.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

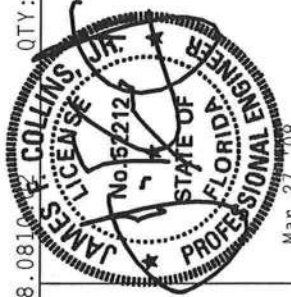
Cq/RT=1.00(1.25)/10(0)

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

Scale = .1875"/Ft.

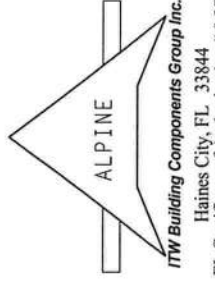
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (NATIONAL COUNCIL OF AMERICA, 6300 ENTERPRISE 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 2018/10GA 40/55K7 ASH A663 GRADE 40/60 (4. K/4.55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE FOLLOWED BY TPI. ITW BCG SHALL BE RESPONSIBLE 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
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--	35024
DATE	03/27/08	
DRW	HCUSR215	08087014
HC-ENG	RA/WHK	
SEON-	207746	
FROM	CDM	
JREF-	1TG6215_Z04	



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 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

(A) Continuous lateral bracing equally spaced on member.

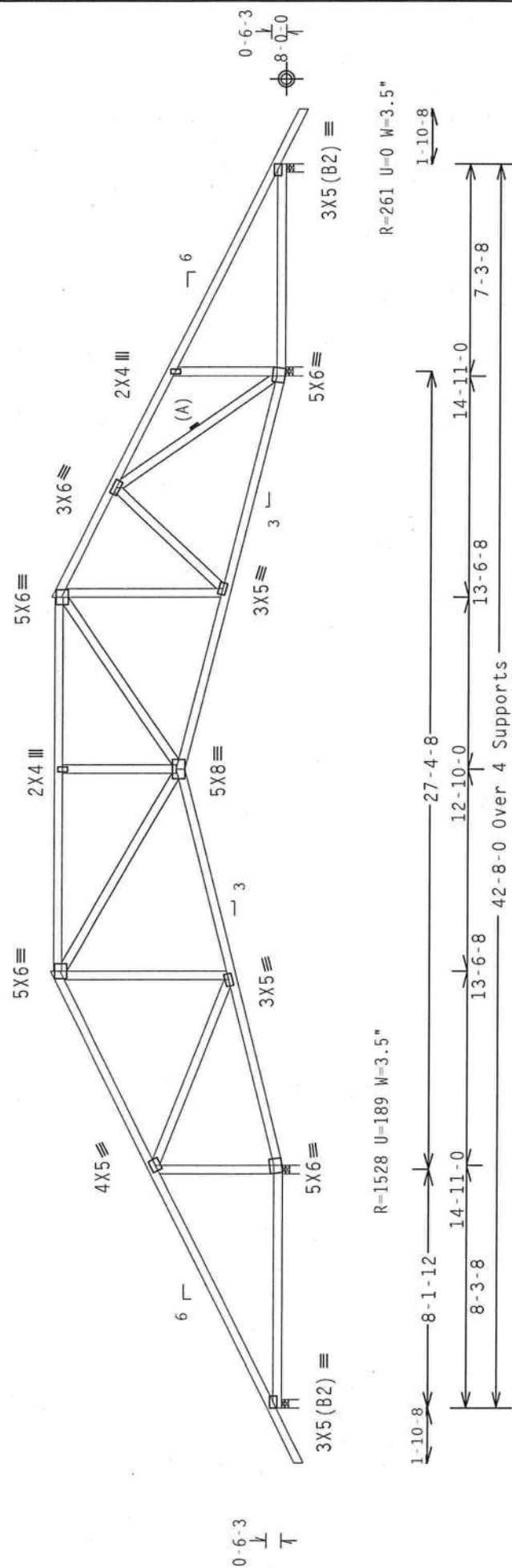
Wind reactions based on MWFRS pressures.

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

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq. in./piece.

The overall height of this truss excluding overhang is 7-11-11.



R=385 U=0 W=3.5"
FOR LATERAL SUPPORT

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

PLT TYP. Wave\R

810 23

QTY:1 FL1-151-1-1R1-

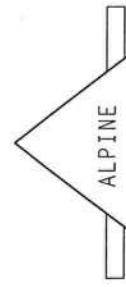
Scale = 1875"/Ft

WARNING THUSSE'S REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND UNLOADING THESE SAFETY INFORMATION. PUBLISHED BY TPI CONSTRUCTION PRODUCTS, 630 NORTH LEE STREET, SUITE 100, CHICAGO, ILLINOIS 60610-7890, U.S.A., TEL: 773-399-0000, FAX: 773-399-0001, WWW.TPICONSTRUCTION.COM

OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED 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 TROUS IN CONFORMANCE WITH TYPE OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROUSSES.

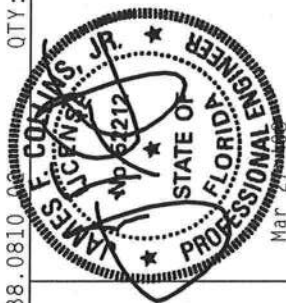
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL DESIGN SPEC., BY AISC AND TPI. ITW BCG PROVIDES PLATES ARE MADE AS 20/18/16GA (.075)ASTM A563 GRADE 40/60 (KIN-SS) GALV. STEEL, ALLOWED STRESS FOR PLATES IS 40,000 PSI. ALL WELDS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY SHOWN, REPAIRS WILL BE REQUIRED AT THE LOCAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE POSSIBLE COMPONENT DESIGN SHOWN. THE SENSITIVITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER PER ANSI/TPI 1 SEC.-2.



ITW Building Components Group Inc.

Haines City, FL 33844

James City, FL 33844
FL Certificate of Authorization #0278



TC LL	20.0	PSF	REF R215-- 35025
TC DL	10.0	PSF	DATE 03/27/08
BC DL	10.0	PSF	DRW HCURSR215 08087015
BC LL	0.0	PSF	HC-ENG RA/WHK
TOT.LD.	40.0	PSF	SEQN- 207751
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 1T66215_Z04

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. Iw=1.00 GCPI(+/-)=0.18

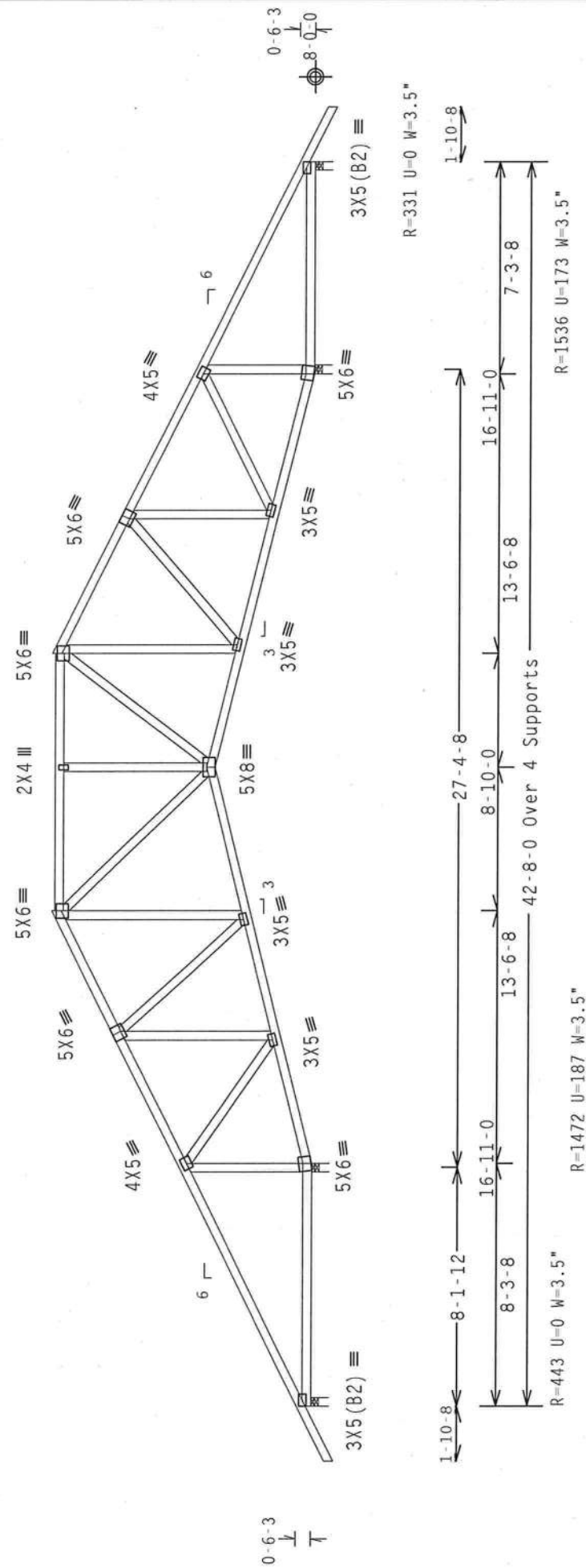
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq. in./piece.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

 $Cq/RT=1.00(1.25)/10(0)$ 7.38-0810

OTY:1 EL 1-151-1-1R1-

Scale = .1875"/Ft.

WARNING CROSSIES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFERENCES: CROSSIES COMPLETED IN ACCORDANCE WITH THE CROSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 310, WILMINGTON, MA 01897. CROSSIES ARE NOT TO BE USED IN PERMANENT STRUCTURES. ENTERPRISE LANE, WILMINGTON, MA 01827. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

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

111110 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

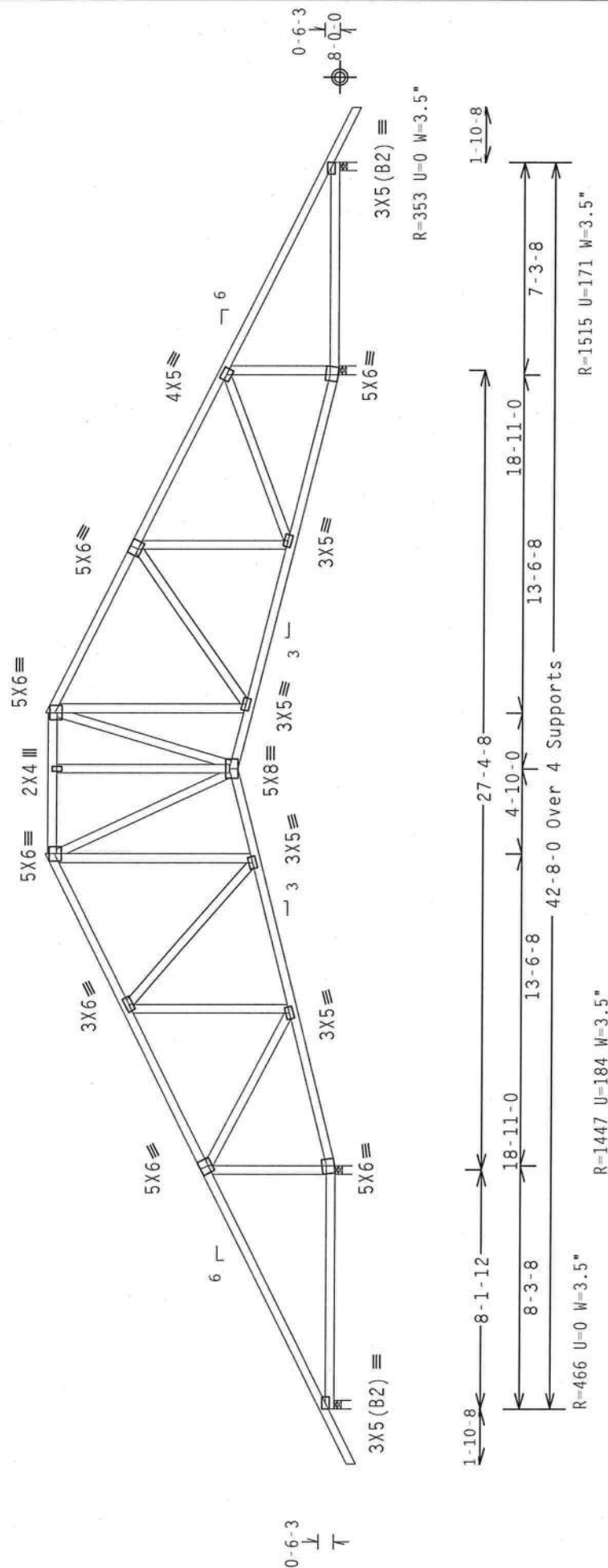
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

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



Design Crit: TPI-2002(STD)/FBC

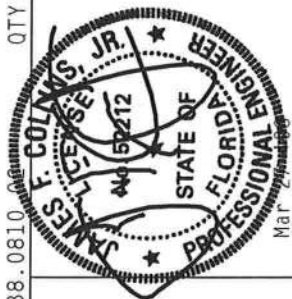
PLT	TYP.	Wave\	Cq/RT=1.00(1.25)/10(0)	7.38.0810	QTY:1	FL/-5/-/-R/ Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ORDER TO BEST (BUILDING, CONSTRUCTION, SAFETY, INFORMATION), AND PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 MILLER ST., ALBANY, N.Y. 12219-1001. TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48051-1500. 527-0000. TRUSSES PERFORM THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PURLINS 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 ITW BCG DRAWING, FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA/P) AND TPI. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS. THE DESIGN SHALL BE IN ACCORDANCE WITH THE FOLLOWING: 2018/18/19 (CM-25/24) ASTM A563 GRADE 40/50 (M. K/2N-S5) GALV. STEEL, APPLICABLE TO EACH FACE OF PLATES. THE DESIGN SHALL BE IN ACCORDANCE WITH THE FOLLOWING: 2018/18/19 (CM-25/24) GALV. STEEL, APPLICABLE TO EACH FACE OF PLATES. FOLLOWED BY (1) SHALL BE PERMITTED TO BE DESIGN, POSITION PER DRAWINGS 160A-2. THE DESIGN SHALL BE IN ACCORDANCE WITH THE FOLLOWING: 2018/18/19 (CM-25/24) GALV. STEEL, APPLICABLE TO EACH FACE OF PLATES. FOLLOWED BY (1) SHALL BE PERMITTED TO BE DESIGN, POSITION PER DRAWINGS 160A-2.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS CONNECTION DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/ITW 1 SEC. 2.



TC LL	20.0	PSF	REF R215-- 35027
TC DL	10.0	PSF	DATE 03/27/08
BC DL	10.0	PSF	DRW HCURS215 08087017
BC LL	0.0	PSF	HC-ENG RA/WHK
TOT.LD.	40.0	PSF	SEQN- 207758
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		REF- 1TG6215_Z04

ALPINE

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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

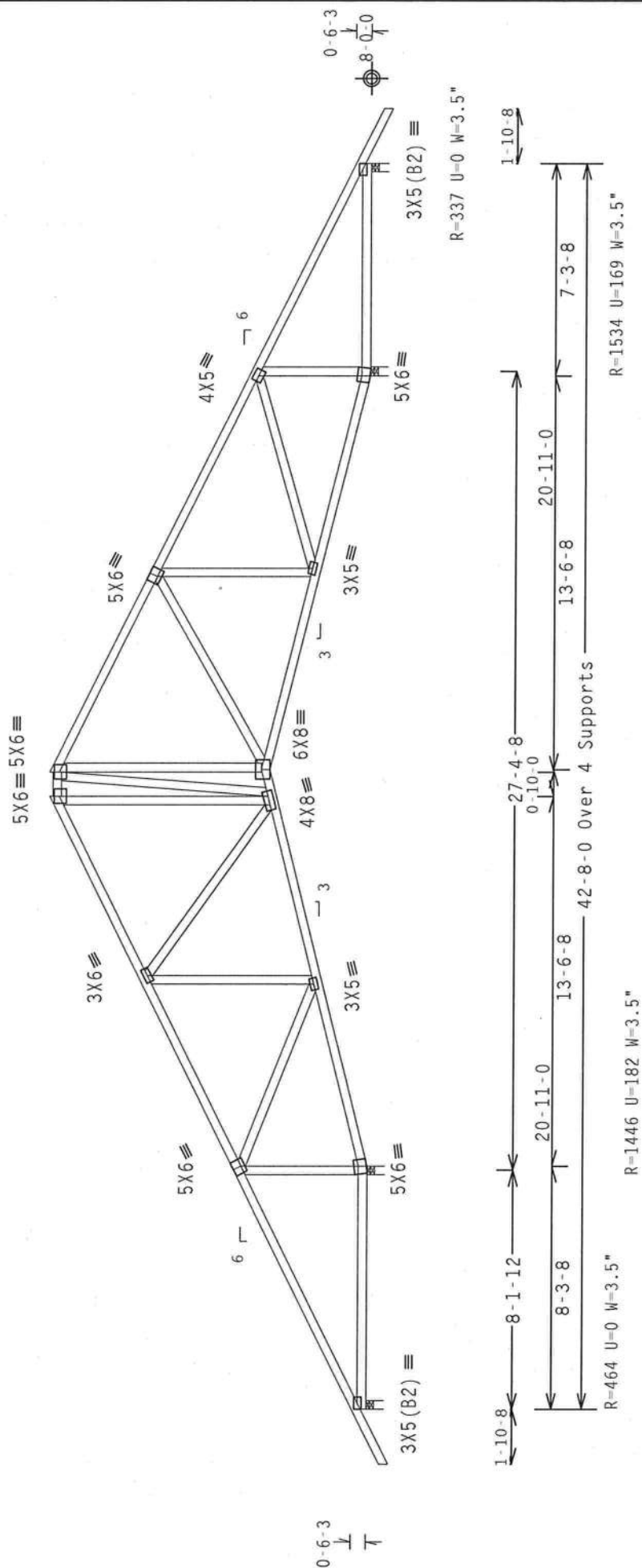
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

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



Design Crit: TPI-2002(STD)/FBC

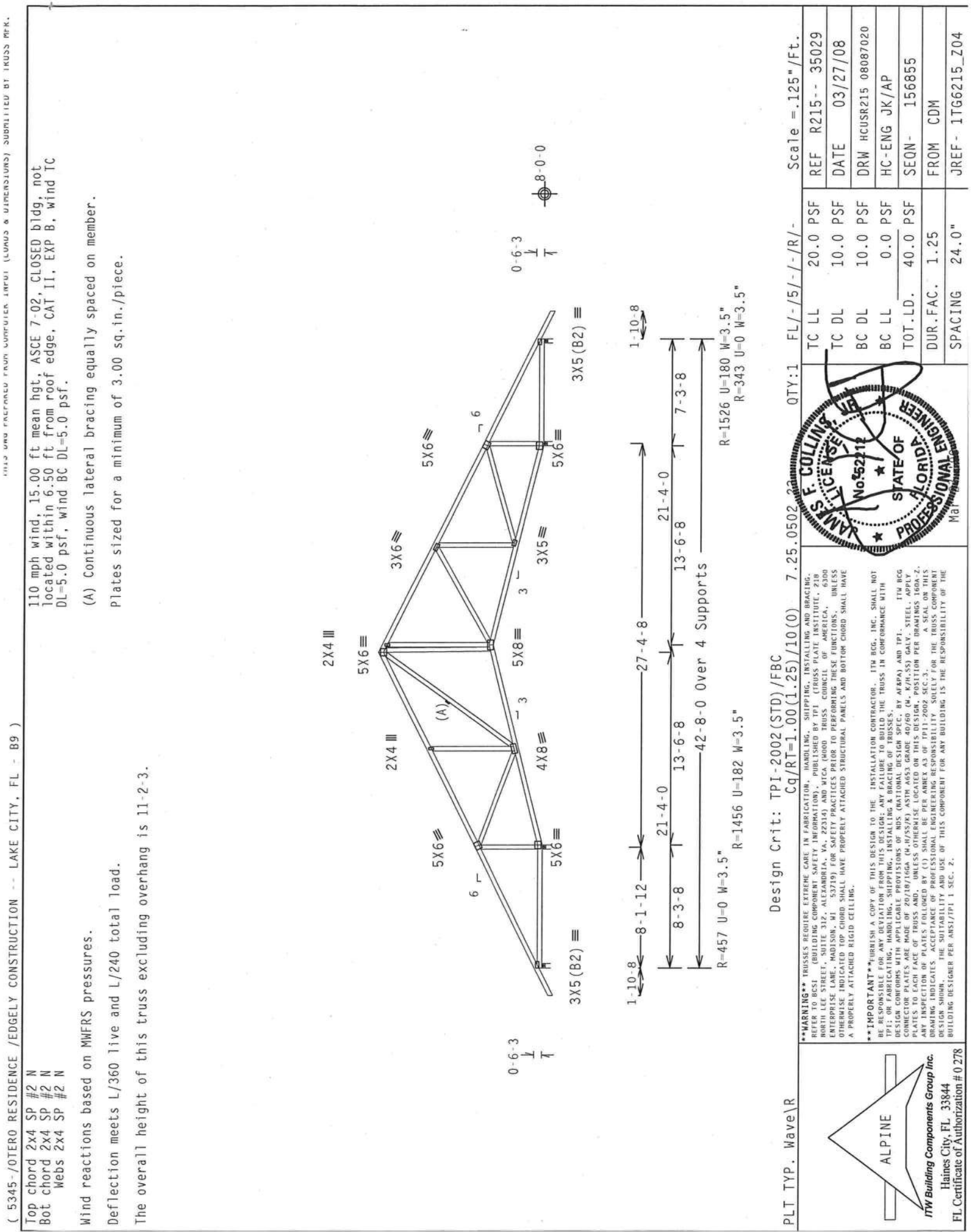
PLT TYP. Wave\R

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL ACCESSORIES (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 710 NORTH LEXINGTON AVE., SUITE 2234) AND THE AMERICAN TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAILING BOAT RIGGING FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A THEMATICALLY ATTACHED RIGID CELL.

****IMPORTANT****—TURKISH 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 THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN CODES OF AFRICA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/10/16GA W/55/52% ALUMINUM GRADE 40/60 (K/55/52) GALV. STEEL. ALL 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 AMEX A3 OF TPI-2002 SEC.2. 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 AMX/TPI 1 SEC. 2.



TC LL	20.0	PSF	REF	R215--	35028
TC DL	10.0	PSF	DATE	03/27/08	
BC DL	10.0	PSF	DRW	HCUSR215	08087018
BC LL	0.0	PSF	HC-ENG	RA/WHK	
TOT.LD.	40.0	PSF	SEON-	207762	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1TG6215_Z04	



(5345-/OTERO RESIDENCE /EDGEY CONSTRUCTION -- LAKE CITY, FL - B9)

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

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 11-2-3.

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.

(A) Continuous lateral bracing equally spaced on member.

Plates sized for a minimum of 3.00 sq.in./piece.

Design Crit: TPI-2002(STD)/FBC

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

7.25.0502

QTY: 1

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

Scale = .125"/Ft.

REF R215-- 35029

DATE 03/27/08

DRW HCUSR215 08087020

HC-ENG JK/AP

SEQN- 156855

FROM CDM

JREF- 1TG6215_Z04

PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC

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

7.25.0502

QTY: 1

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

Scale = .125"/Ft.

REF R215-- 35029

DATE 03/27/08

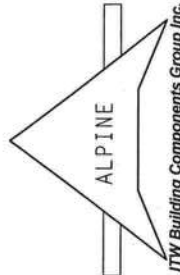
DRW HCUSR215 08087020

HC-ENG JK/AP

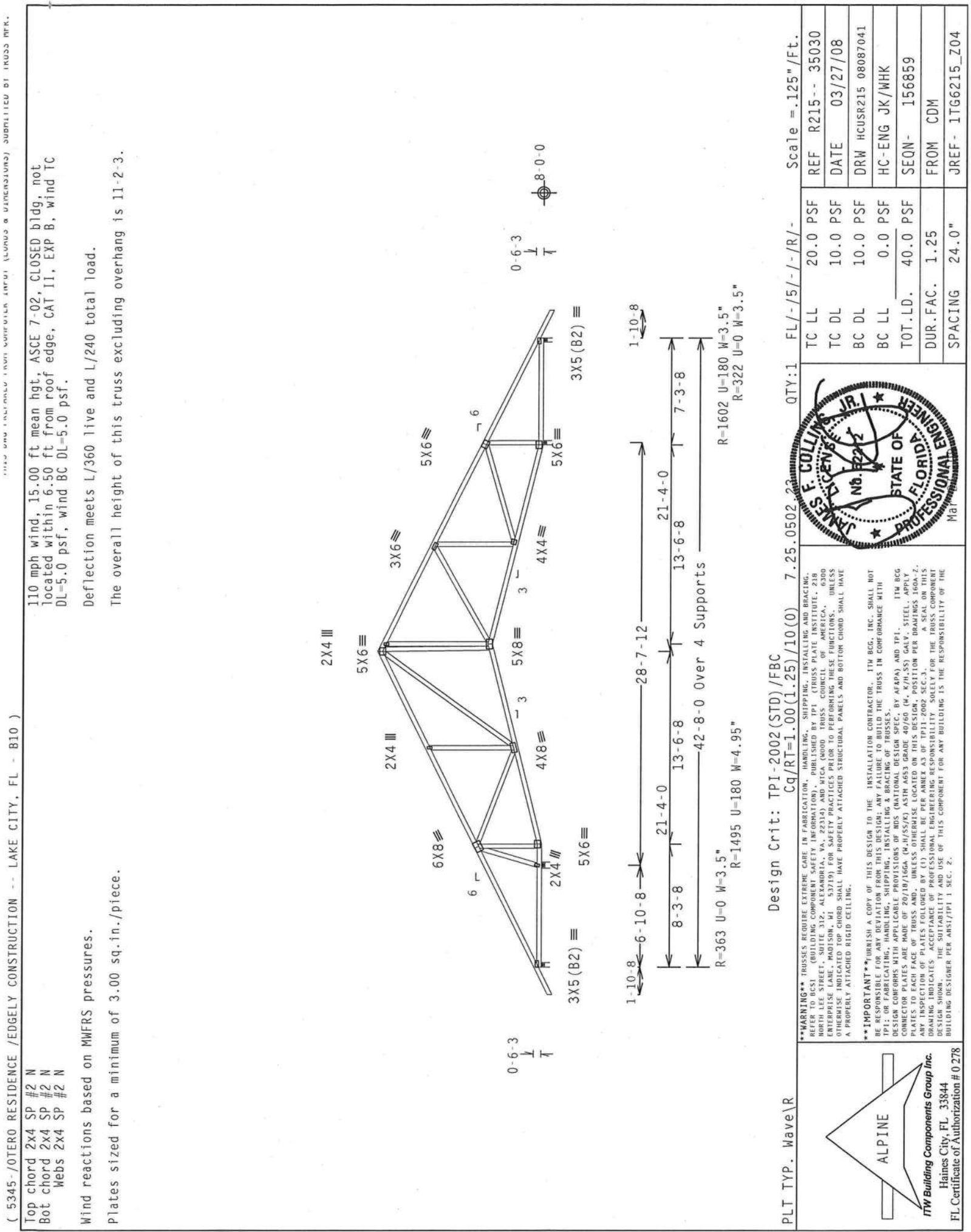
SEQN- 156855

FROM CDM

JREF- 1TG6215_Z04



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



(5345-/OTERO RESIDENCE /EDGEY CONSTRUCTION -- LAKE CITY, FL - B10)

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

Wind reactions based on MWFRS pressures.
Plates sized for a minimum of 3.00 sq.in./piece.

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.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 11-2-3.

Scale = .125"/Ft.

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"

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

REF R215-- 35030
DATE 03/27/08
DRW HCUR215 08087041
HC-ENG JK/WHK
SEQN- 156859
FROM CDM
JREF- 1TG6215_Z04

PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502.22

R=1602 U=180 W=3.5"
R=322 U=0 W=3.5"

R=363 U=0 W=3.5"
R=1495 U=180 W=4.95"

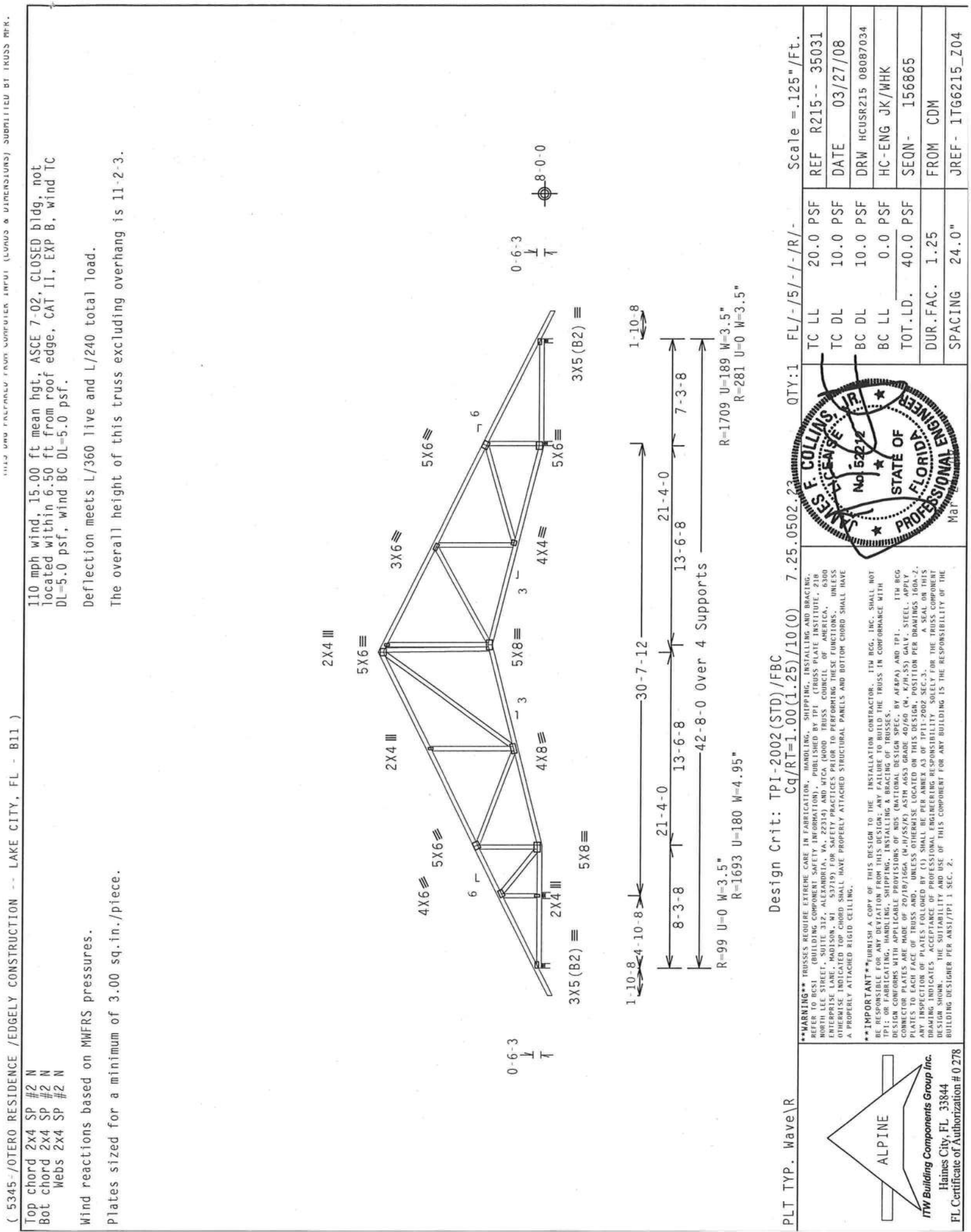
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502.22

PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502.22

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502.22

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502.22



(5345-OTERO RESIDENCE /EDGELY CONSTRUCTION -- LAKE CITY, FL - B11)

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

Wind reactions based on MWFRS pressures.
Plates sized for a minimum of 3.00 sq.in./piece.

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.

Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 11-2-3.

Scale = .125" / Ft.

REF R215 -- 35031
DATE 03/27/08
DRW HCUSR215 08087034
HC-ENG JK/WHK
SEQN- 156865
FROM CDM
JREF- 1TG6215_Z04

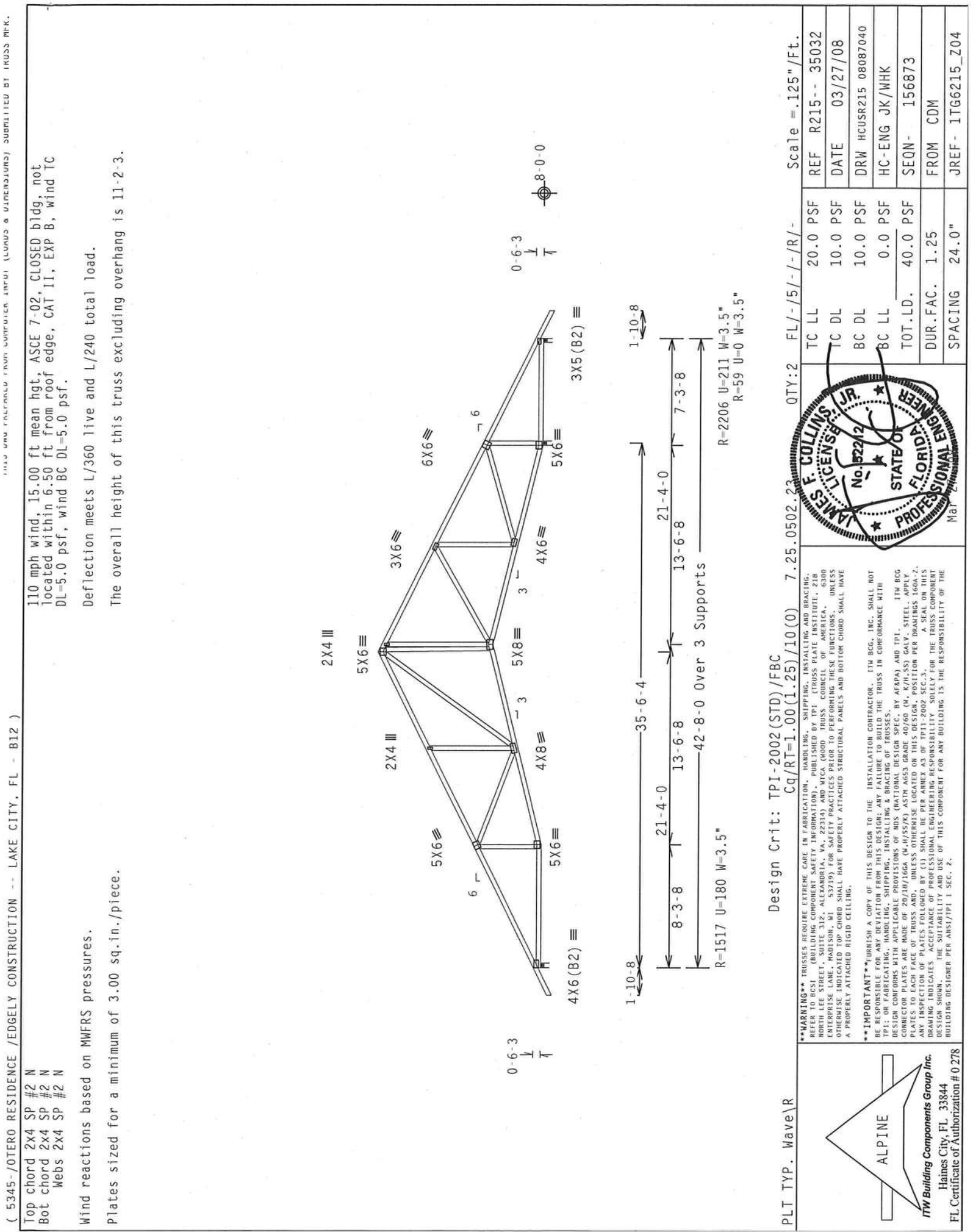
QTY: 1 FL / - / 5 / - / - / R / -

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502.23

****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), 6300 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. ITH BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PJ) AND TPI. ITH BCG PLATES TO BE MADE OF 2016/16GA (44-1/2/55/16) ASH 6053 GRADE 40/60 (4, 4/16.55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLICIT FOR THE TRUSS 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.



(5345-/OTERO RESIDENCE /EDGEY CONSTRUCTION -- LAKE CITY, FL - B12)

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

Wind reactions based on MWFRS pressures.
Plates sized for a minimum of 3.00 sq.in./piece.

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.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 11-2-3.

Scale = .125"/Ft.

REF R215-- 35032
DATE 03/27/08
DRW HCUSR215 08087040
HC-ENG JK/WHK
SEQN- 156873
FROM CDM
JREF- 1TG6215_Z04

PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502.23 QTY:2 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"

James F. Collins, Jr.
Professional Engineer
State of Florida
No. 152212
May 2012

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

ALPINE

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

FL Certificate of Authorization # 0 278

FL Certificate of Authorization # 0 278

FL Certificate of Authorization # 0 278

FL Certificate of Authorization # 0 278

FL Certificate of Authorization # 0 278

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

Wind reactions based on MWFRS pressures.

See DWGS TCFILLER1106 and BCFILLER1106 for filler details.

Deflection meets L/360 live and L/240 total load.

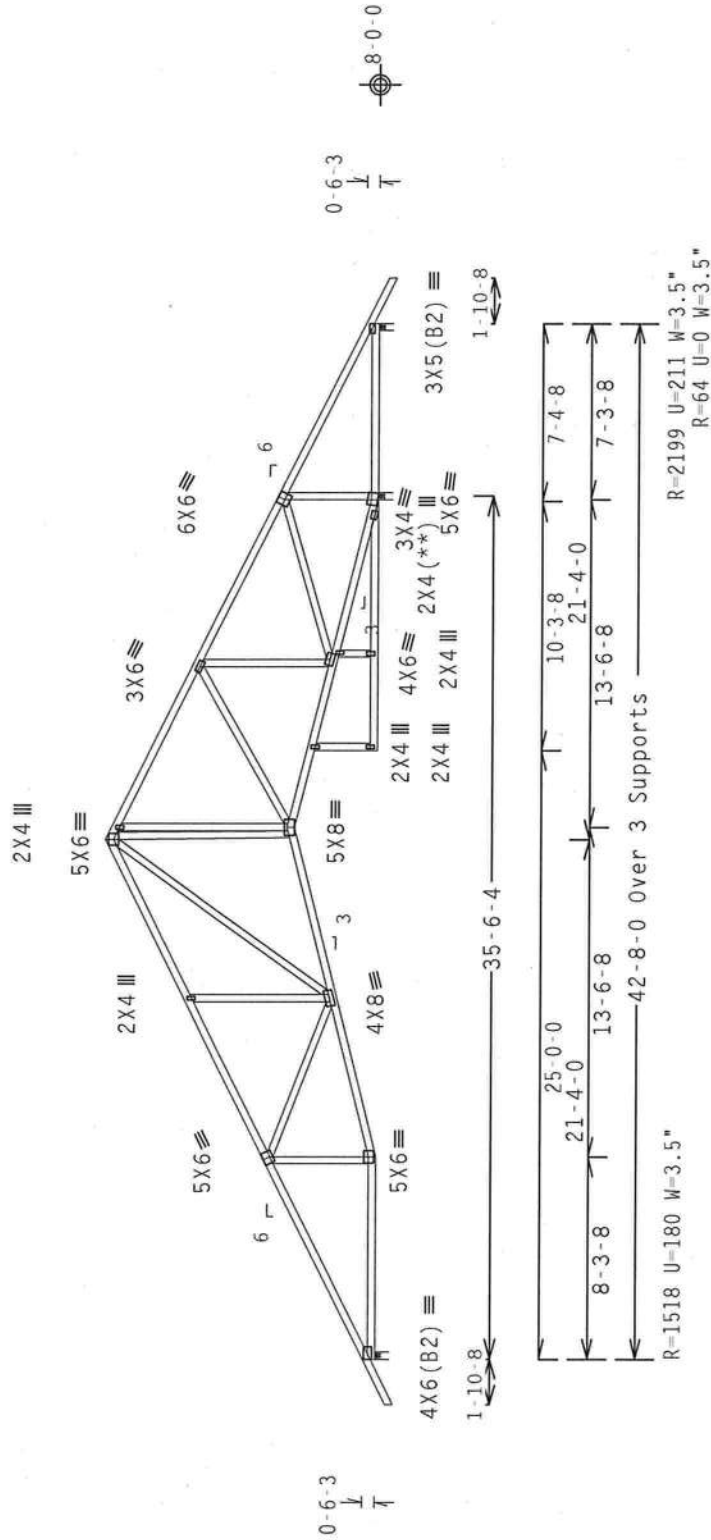
The overall height of this truss excluding overhang is 11'-2-3".

NOTE: LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 2'-0" O.C. MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

(**) 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 TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

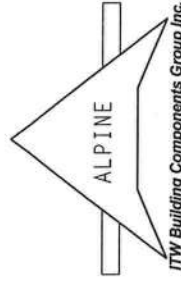
7.25.0502

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

Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE MANUFACTURER OF THE TRUSS. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND MICA GOOD TRUSS, COUNCIL OF AMERICA, 4300 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.

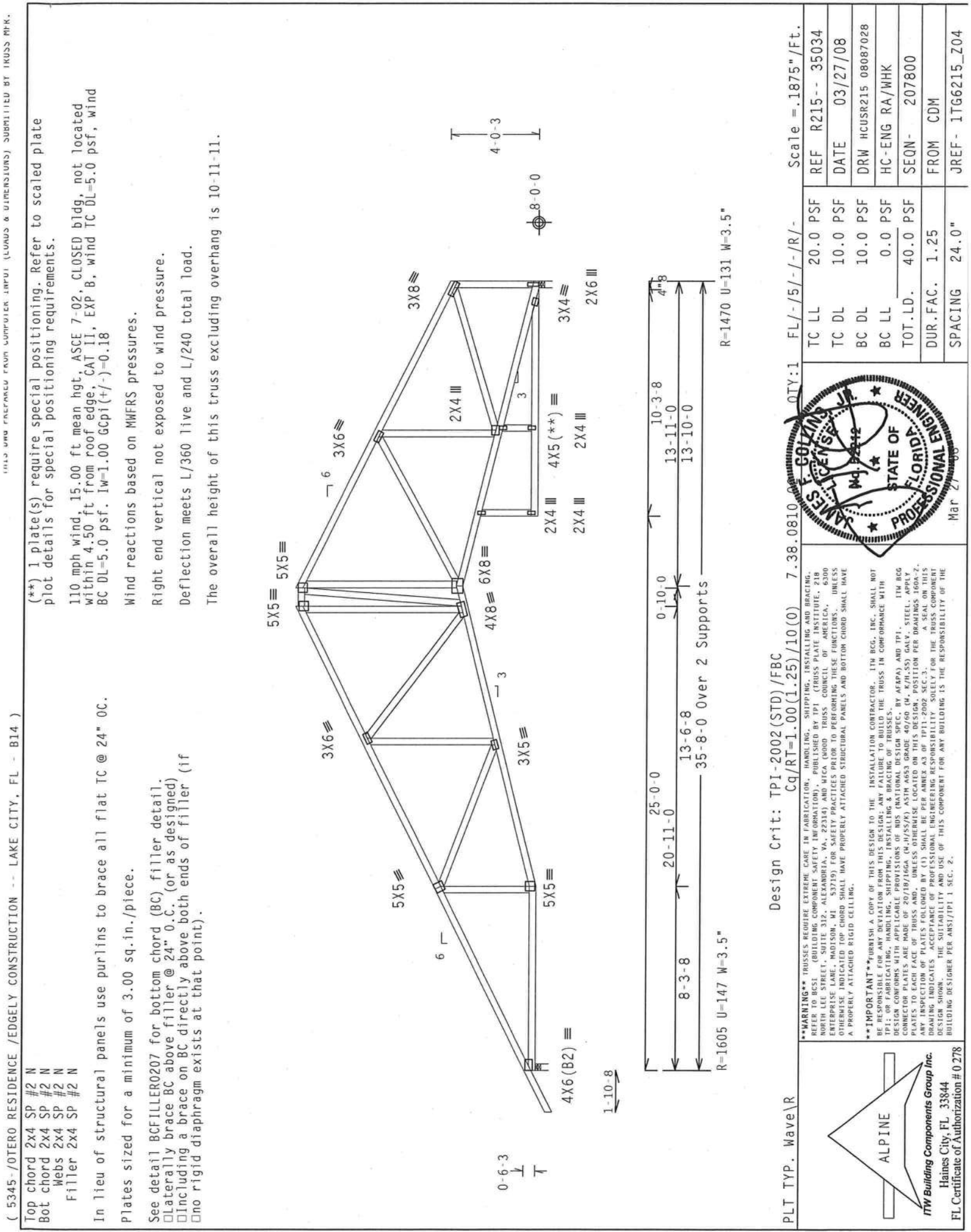
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/160A (4-N/SS/PS) ASTM A653 GRADE 40/60 (4-N/SS) GALV. STEEL. APPLY LATERAL BRACE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEER'S SEAL FOR THE TRUSS COMPONENT FOR THE BUILDING DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Haines City, FL 33844
FL Certificate of Authorization # 0278



TC LL	20.0 PSF	REF	R215--	35033
TC DL	10.0 PSF	DATE	03/27/08	
BC DL	10.0 PSF	DRW	HCUSR215	08087039
BC LL	0.0 PSF	HC-ENG	JK/WHK	
TOT.LD.	40.0 PSF	SEQN-	156878	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TG6215_Z04	



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

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

Plates sized for a minimum of 3.00 sq.in./piece.

See detail BCFILLER0207 for bottom chord (BC) filler detail.

Laterally brace BC above filler @ 24" O.C. (or as designed)

Including a brace on BC directly above both ends of filler (if

No rigid diaphragm exists at that point).

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

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale = .1875"/Ft.

PLT TYP. Wave\R

REF R215-- 35034
DATE 03/27/08
DRW HCUSR215 08087028
HC-ENG RA/WHK
SEQN- 207800
FROM CDM
JREF- 1TG6215_Z04

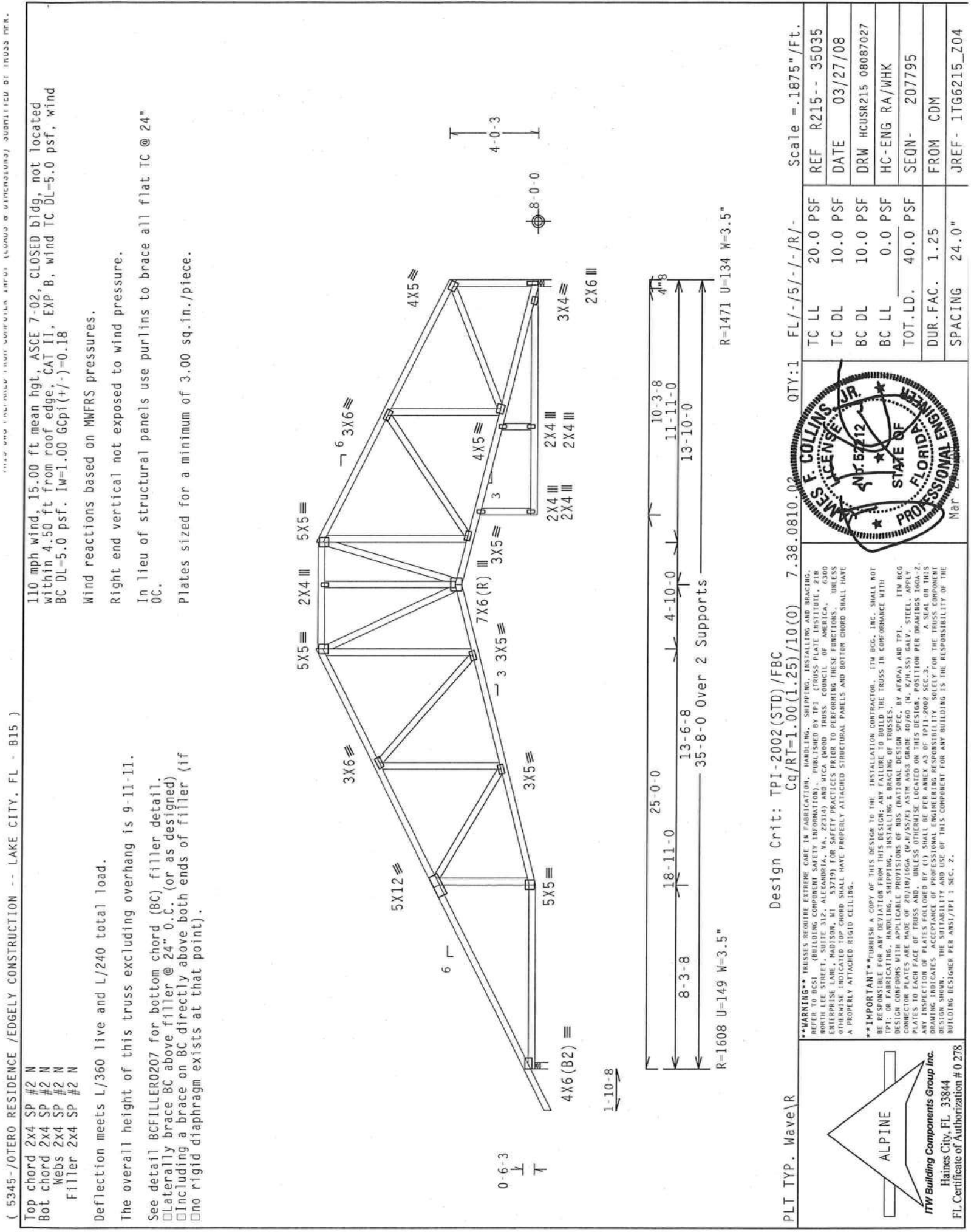
WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS INSTITUTE, 4300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND MICA (WOOD TRUSS COUNCIL OF AMERICA), ENTERPRISE LANE, 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 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 2018/166A (4-HYSS/AS) ASTM A653 GRADE 40/60 (4, K/H-SS) GALV. STEEL. APPLY LATER TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ADVISE EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED AS OF 1/11/2002 SEC.3, A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. THE SEAL IS 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 # 0 278

JAMES F. GOLZINSKY
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 12342
Mar 21, 2008



(5345-OTERO RESIDENCE /EDGELY CONSTRUCTION -- LAKE CITY, FL - B15)

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

Deflection meets L/360 live and L/240 total load.

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

See detail BCFILLER0207 for bottom chord (BC) filler detail.
Laterally brace BC above filler @ 24" O.C. (or as designed)
Including a brace on BC directly above both ends of filler (if
no rigid diaphragm exists at that point).

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

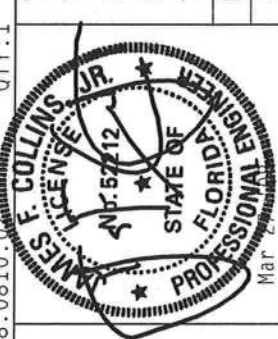
Plates sized for a minimum of 3.00 sq.in./piece.

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

PLT TYP. Wave/R

****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, 22304) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 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 RDS (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (4-J/SS/K) ASTM A553 GRADE 40/60 (N, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY RESPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE 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.



QTY:1	FL/-/5/-/R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R215-- 35035
TC DL	10.0 PSF	DATE 03/27/08
BC DL	10.0 PSF	DRW HCUSR215 08087027
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 207795
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1TG6215_Z04

ALPINE

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

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

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

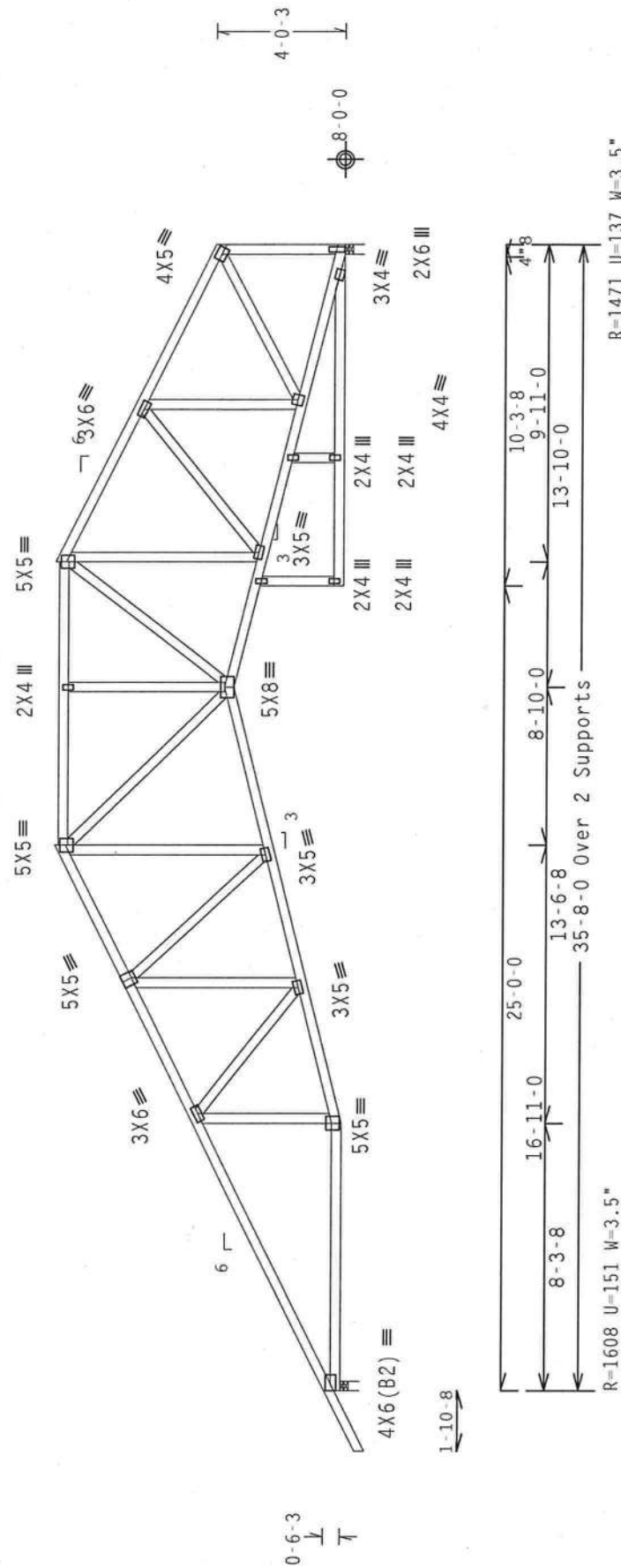
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

See detail BCFILLER0207 for bottom chord (BC) filler detail.

- ☐ Laterally brace BC above filler @ 24" O.C. (or as designed)
- ☐ Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point).



R=1608 U=151 W=35

R=1471 ||=137 W=3 5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

$$C\sigma/RT=1.00(1.25)/10(0)$$

0810 03

0TV.1 EI 1-151-1-101-

Scale = .1875"/Ft.

****WARNING**** THUSSE'S REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE BEST BUILDING COMPANY SAFETY INFORMATION, PUBLISHED BY TPJ (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, CHICAGO, ILL., 60612) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. LAKE STREET, PITTSBURGH, PA., 15222-1997), MUST BE OBTAINED FROM THE TRUSS COUNCIL OF AMERICA, 6300 ERIEVIEW LANE, MADISON, WI 53717-4001, PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID GUTTING.

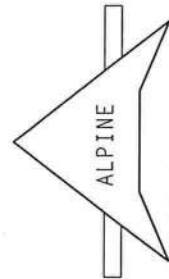
TC LL	20.0 PSF	REF	R215--	35036
TC DL	10.0 PSF	DATE	03/27/08	

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

DESIGN CONFORMS WITH APPLICABLE REQUIREMENTS OF NDS (NATIONAL DESIGN SPEC, BY AFAPA) AND TP1. ITU BCG CONTRACTOR PLATES ARE MADE OF 2017H16GA (M-H/SSK) ASTM A663 GRADE 40/60 (M, K/H=55) GALV. STEEL. ALL 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 TP1-2002 SEC.3.

DESIGN SHOWS THE SUBMITTAL AND PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE BUILDING. THE CONTRACTOR FOR THIS CONCRETE FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ABEX/TP1 1 SEC. 2.

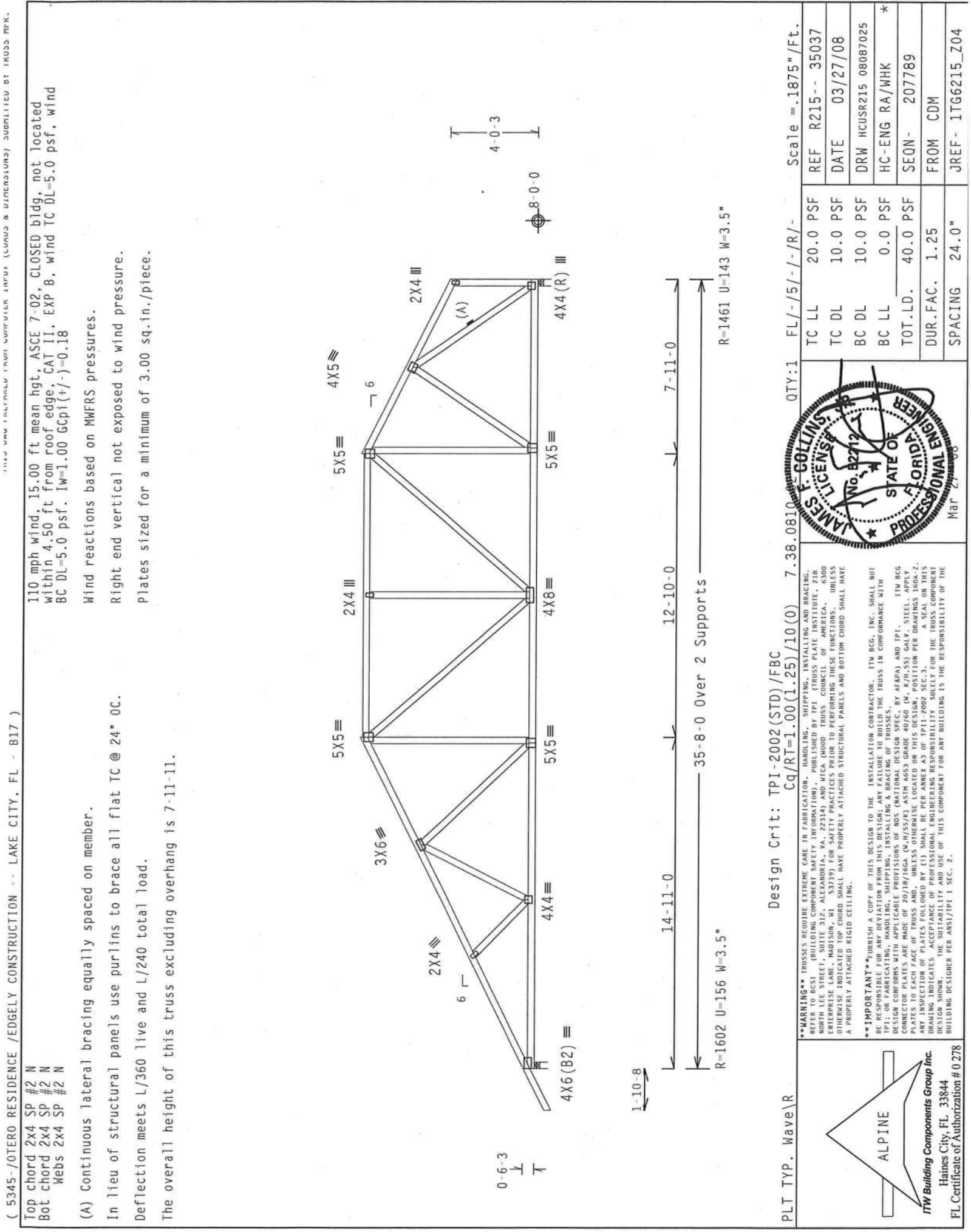
BC DL	10.0 PSF	DRW	HCU2R15	08087026
BC LL	0.0 PSF	HC-ENG RA/WHK		
TOT.LD.	40.0 PSF	SEQN- 207792		
DUR.FAC.	1.25	FROM CDM		



ITW Building Components Group Inc.

Haines City FL 33844

HALLIES CITY, I L 33844
 FI Certificate of Authorization # 0 278
 BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(5345- /OTERO RESIDENCE /EDGELY CONSTRUCTION -- LAKE CITY, FL - B17)

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. lw=1.00 GCPI (+/-) 0.18

(A) Continuous lateral bracing equally spaced on member.

Wind reactions based on MWFRS pressures.

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

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 7-11-11.

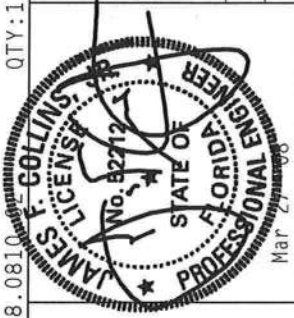
Design Crit: TPI-2002(STD)/FBC

Scale = .1875" / Ft.

PLT TYP. Wave\ R

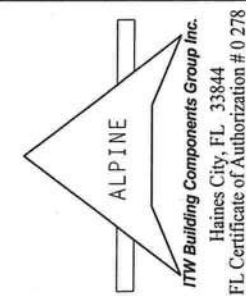
QTY: 1 FL / - / 5 / - / - / R / -

REF	R215 --	35037
DATE	03/27/08	
DRW	HCUSR215	08087025
HC-ENG	RA/WHK	*
SEQN	207789	
FROM	CDM	
JREF	1TG6215_Z04	



****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 AND BRACING OF TRUSSES. ITM BCG CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (20-M/18-S/16-W) ASTM A653 GRADE 40/60 (M, K/H-SS) GALV. STEEL. APPLY TO ALL TRUSSES. ANY INSPECTION OF PLATES FOR AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2, 100B-2, 100C-2, 100D-2, 100E-2, 100F-2, 100G-2, 100H-2, 100I-2, 100J-2, 100K-2, 100L-2, 100M-2, 100N-2, 100O-2, 100P-2, 100Q-2, 100R-2, 100S-2, 100T-2, 100U-2, 100V-2, 100W-2, 100X-2, 100Y-2, 100Z-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN. 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 : T1 2x8 SP SS:

Bot	chord	2x4	SP	#2	N
	webs	2x4 <td>SP <td>#2 <td>N</td> </td></td>	SP <td>#2 <td>N</td> </td>	#2 <td>N</td>	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. Iw=1.00 GCpi (+/-)=0.18

Calculated horizontal deflection is 0.15" due to live load and 0.16" due to dead load.

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

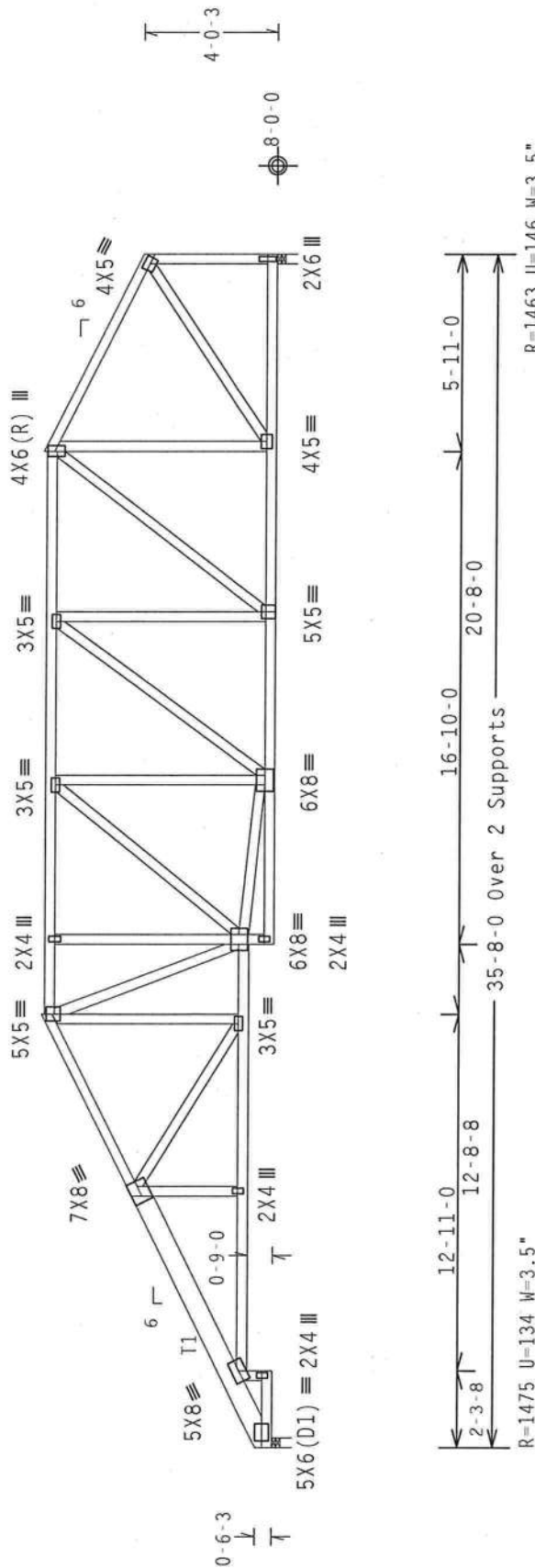
Plates sized for a minimum of 3.00 sq.in./piece.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 6-11-11.



Design Crit: TPI-2002(STD)/FBC

PLT TYP: Wave\ R.

7.38.0810

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

Scale = .1875"/Ft.

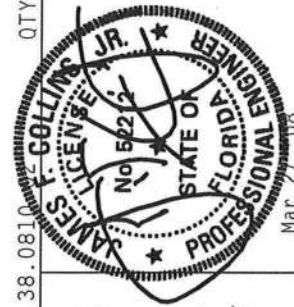
WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DEWASHING. REFER TO BCS1 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY, 1001 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (A0002 THUSS, COUNCIL OF ENGINEERS, 1001 ENTERPRISE LANE, MADISON, MI 48371) 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****TURISH 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 ITPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING, BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL DESIGN SPEC. (BY AFSPA) AND TPI-1. ITM BCG CONTRACTOR PLATES ARE MADE OF 20X18X16GA (.75/MSSK) ASTM A653 GRADE 50C40 (IN .X/75) GALV. STEEL. APPLY THESE DIMENSIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 THROUGH 160D-2. ACCEPTANCE OF PROFESSIONAL ENGINEER SHALL BE REQUIRED AS OF ITPI-1-2002 SEC.3.

A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER THEREON. SELECT FOR THE TRUSS COMPONENT IDENTIFICATION NUMBER. THIS IS THE TRUSS IDENTIFICATION NUMBER. THE TRUSS IDENTIFICATION NUMBER IS THE TRUSS IDENTIFICATION NUMBER. THE TRUSS IDENTIFICATION NUMBER IS THE TRUSS IDENTIFICATION NUMBER.

THE 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 --	35038
TC DL	10.0	PSF	DATE	03/27/08	
BC DL	10.0	PSF	DRW	HCU8R215	08087024
BC LL	0.0	PSF	HC-ENG	RA/WHK	
TOT.LD.	40.0	PSF	SEQN-	207782	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1TG6215_Z04	

Top chord 2x4 SP #2 N :T1 2x8 SP SS:

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

Calculated horizontal deflection is 0.15" due to live load and 0.16" due to dead load.

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

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq. in./piece.

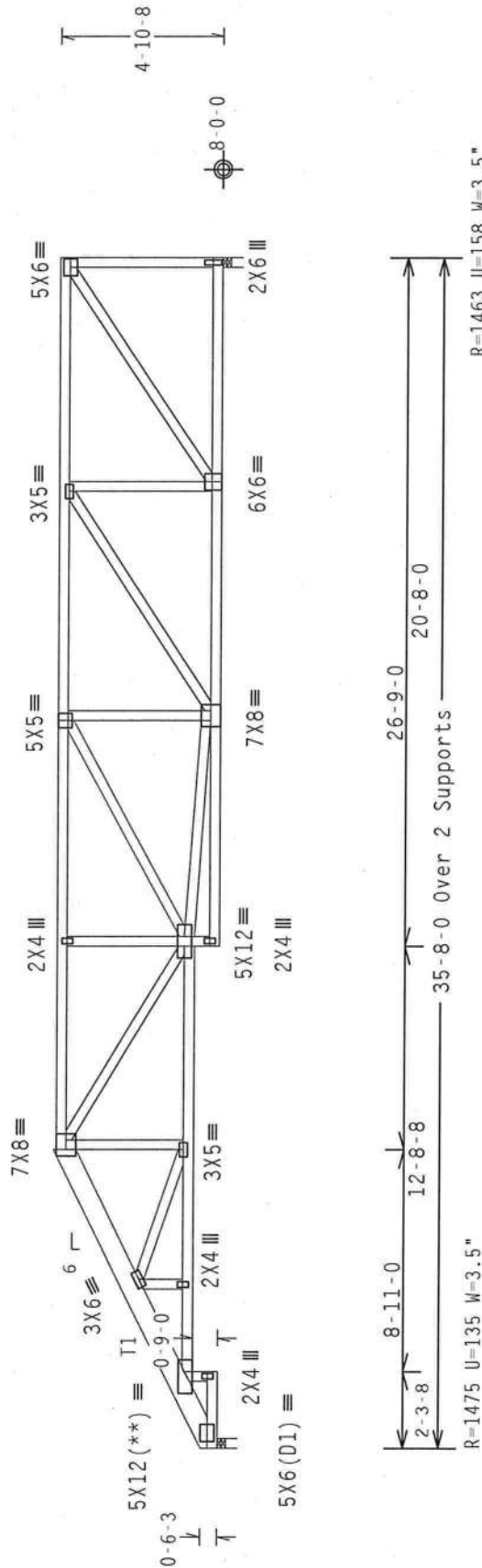
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

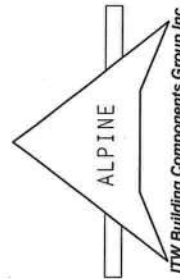
0TY.1

El 1-15/1-19/1-

Scale = .1875"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION FOR THE STEEL PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND VICA (WOOD TRUSS CONNECTIONS), 600 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.

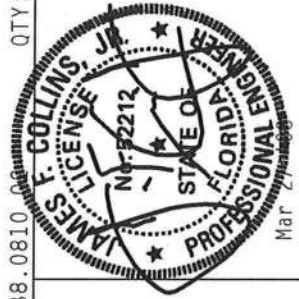
*****IMPORTANT****TURKISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ITM BCG DRAWINGS OR FABRICATING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITM BCG DOES NOT GUARANTEE COMPLIANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PAP) AND TPT. ITM BCG WILL PROVIDE TECHNICAL SUPPORT TO THE CLIENT REGARDING THE TRUSS DESIGN. ITM BCG WILL SUPPLY STEEL PLATES 100A-2 PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN SECTION. A SEAL ON THIS INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER AMBEX A-3 OF TPT-2002 SEC. 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS PROJECT. THE REMAINING PORTION OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0 278



TC LL	20.0	PSF	REF	R215--	35040
TC DL	10.0	PSF	DATE	03/27/08	
BC DL	10.0	PSF	DRW	HCUSR215	08087022
BC LL	0.0	PSF	HC-ENG	RA/WHK	
TOT.LD.	40.0	PSF	SEQN-	207773	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1TG6215	Z04

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

Mar Zupardogyan

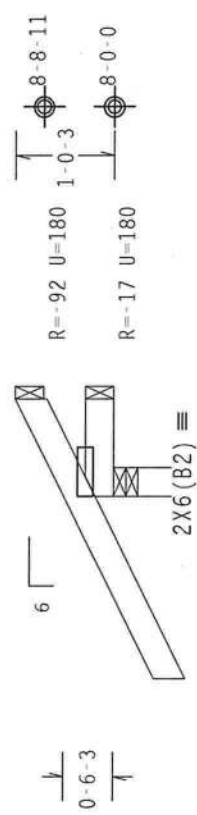
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

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. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

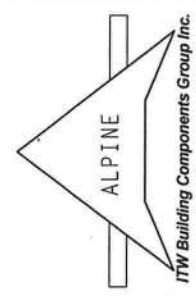


$\downarrow$ 1-10-8 $\rightarrow$
 1-0-0 Over 3 Supports
 $R=316 \quad U=180 \quad W=3$

Design Crit: TPI-2002(STD)/FBC

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R215 - -	35042
TC DL	10.0 PSF	DATE	03/27/08	
BC DL	10.0 PSF	DRW	HCSR215 08087039	
BC LL	0.0 PSF	HC-ENG EC/WHK		
TOT.LD.	40.0 PSF	SEQN-	143880	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TG6215.Z04	



Haines City, FL 33844
FL Certificate of Authorization #0278

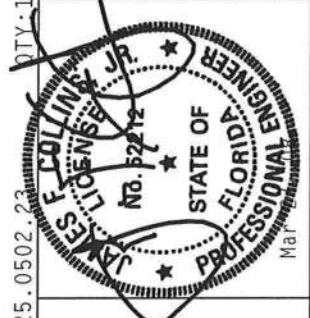
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, MI 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.

IMPORTANTFURNISH 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, INCLUDING HANDLING, SHIPPING AND BRACING OF TRUSSES.

DESIGN CONNECTOR PLATES ARE MADE OF TP018/16GA./H/S/STEEL PER THE FOLLOWING DESIGN SPEC.: BY AF&PA) AND TPI. ITW BCG HAS BEEN ADVISED THAT THESE TRusses WILL BE USED ON STEEL FRAMING SYSTEMS.

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DIMENSIONS 160A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A 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 AMST/TP1 1 SEC. 2.



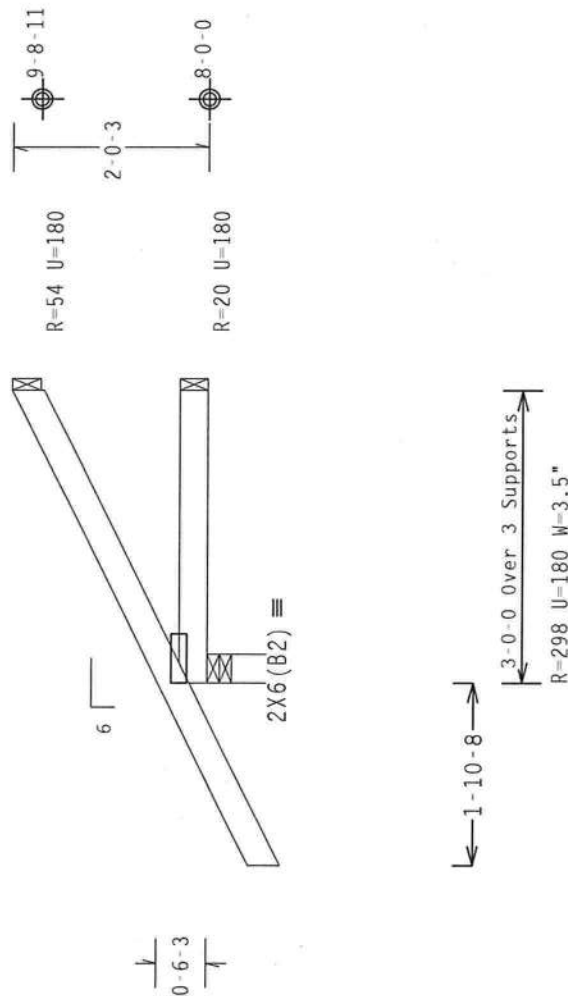
Top chord	2x4	SP	#2 N
Bot chord	2x4	SP	#2 N

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

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-0-3.



Design Crit: TPI-2002(STD)/FBC

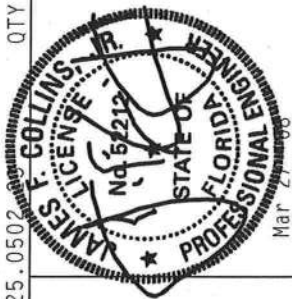
PLT TYP. Wave\R

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

QTY:8 FL/-/5/-/-/R/-

Scale = .5"/Ft.

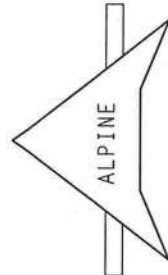
TC LL	20.0 PSF	REF R215-- 35043
TC DL	10.0 PSF	DATE 03/27/08
BC DL	10.0 PSF	DRW HCURSR215 08087037
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 143883
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1TG6215_Z04



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. NORTH LESTER TRUSS COMPANY'S TRUSSING COMPANIES, INC. (TRUSS PLATE INSTITUTE, 210 NORTH LESTER BLVD., CHICAGO, ILL. 60606) 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 PRINCIPAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

*****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 DESIGNER'S FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

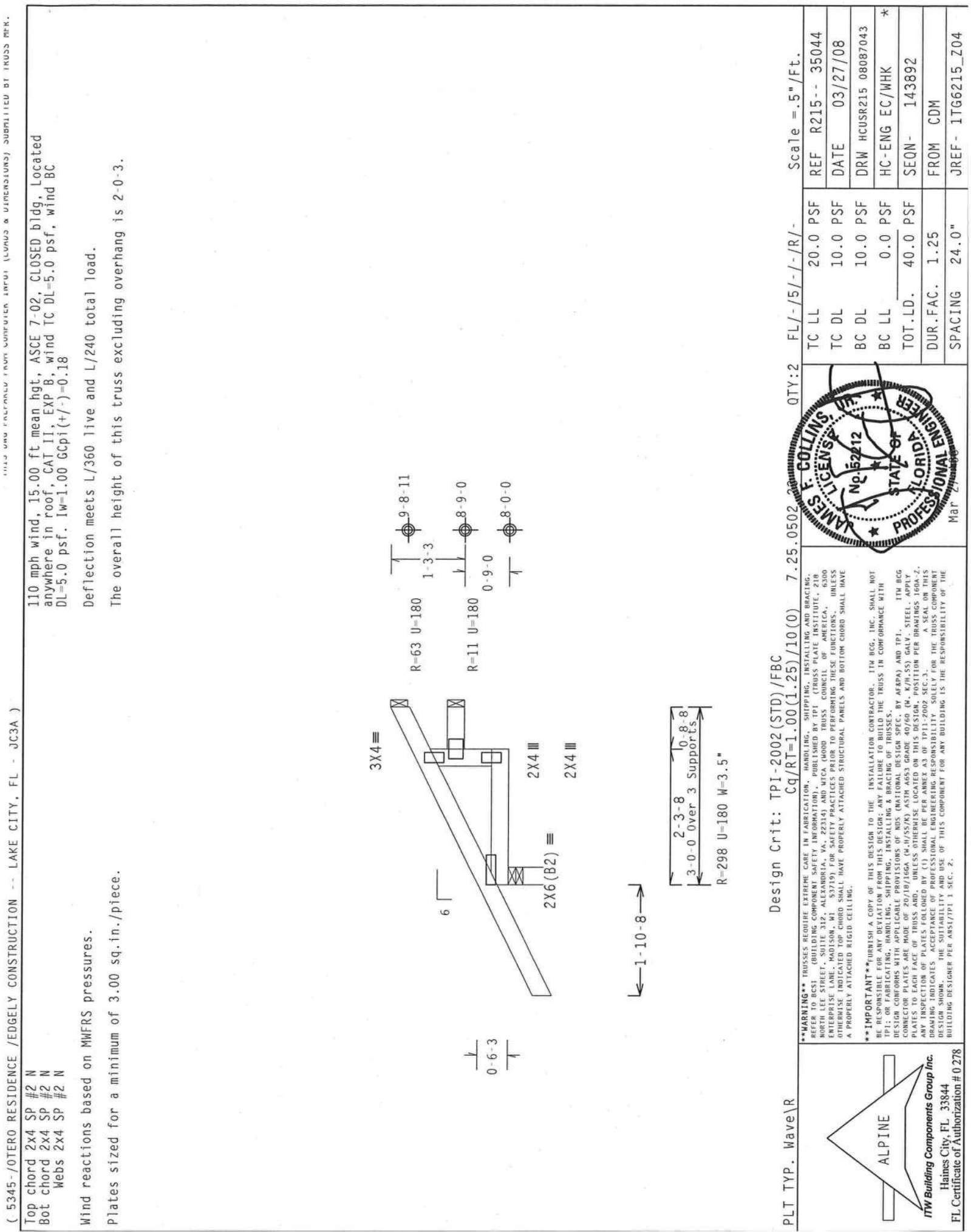
DESIGNER'S ASSUMPTIONS: PROVIDING OF HOUS (NATIONAL DESIGN SPEC, BY AFPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2019-T3 ALUMINUM GRADES 40760 & 40760-T3 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE NOTED, 6" SPACING PER DRAWING. NON-ZONE 2 TRUSS. ALL TRUSSES SHALL BE 100% INSPECTED BY THE DESIGNER. THE DESIGNER'S RESPONSIBILITY FOR THE TRUSS COMPONENTS SHALL BE 100% INSPECTED BY THE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMSI/TPI 1 SEC. 2.



ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0 278



(5345-/OTERO RESIDENCE /EDGEY CONSTRUCTION -- LAKE CITY, FL - JC3A)

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

Wind reactions based on MWFRS pressures.
Plates sized for a minimum of 3.00 sq.in./piece.

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

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-0-3.

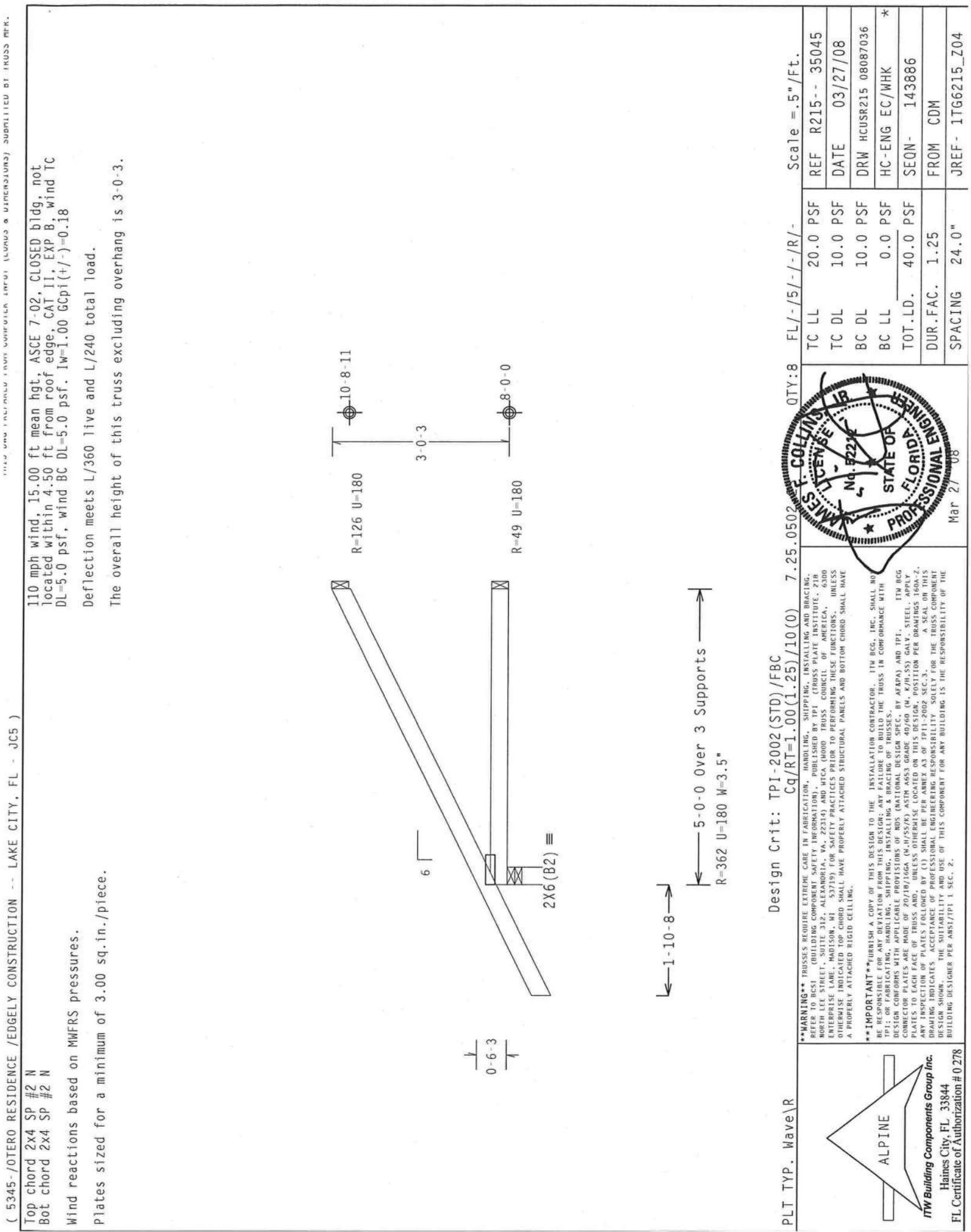
PLT TYP. Wave\R	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)	7.25.0502	QTY:2	FL/-/5/-/-/R/-	Scale = .5"/Ft.
REF R215-- 35044	TC LL 20.0 PSF	REF R215-- 35044	DATE 03/27/08	DRW HCUSR215 08087043	
DATE 03/27/08	TC DL 10.0 PSF	DATE 03/27/08	DRW HCUSR215 08087043	HC-ENG EC/WHK	
DRW HCUSR215 08087043	BC DL 10.0 PSF	DRW HCUSR215 08087043	HC-ENG EC/WHK	SEQN- 143892	
HC-ENG EC/WHK	BC LL 0.0 PSF	HC-ENG EC/WHK	SEQN- 143892	FROM CDM	
SEQN- 143892	TOT.LD. 40.0 PSF	SEQN- 143892	TOT.LD. 40.0 PSF	SPACING 24.0"	JREF- 1TG6215_Z04
FROM CDM	DUR.FAC. 1.25	FROM CDM	DUR.FAC. 1.25		
SPACING 24.0"		SPACING 24.0"			

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

James F. Collins, P.E.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Mar 24 2008

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), 6300 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 AIA/AS) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/K) ASTM A653 GRADE 40/60 (4. K/M.55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. UNLESS OTHERWISE INDICATED, ALL PLATES SHALL BE FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(5345-/OTERO RESIDENCE /EDGEY CONSTRUCTION -- LAKE CITY, FL - JC5)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Wind reactions based on MWFRS pressures.
Plates sized for a minimum of 3.00 sq.in./piece.

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, W=1.00 GCpl(+/-)=0.18
Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 3-0-3.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502 QTY:8 FL/-/5/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave\R

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

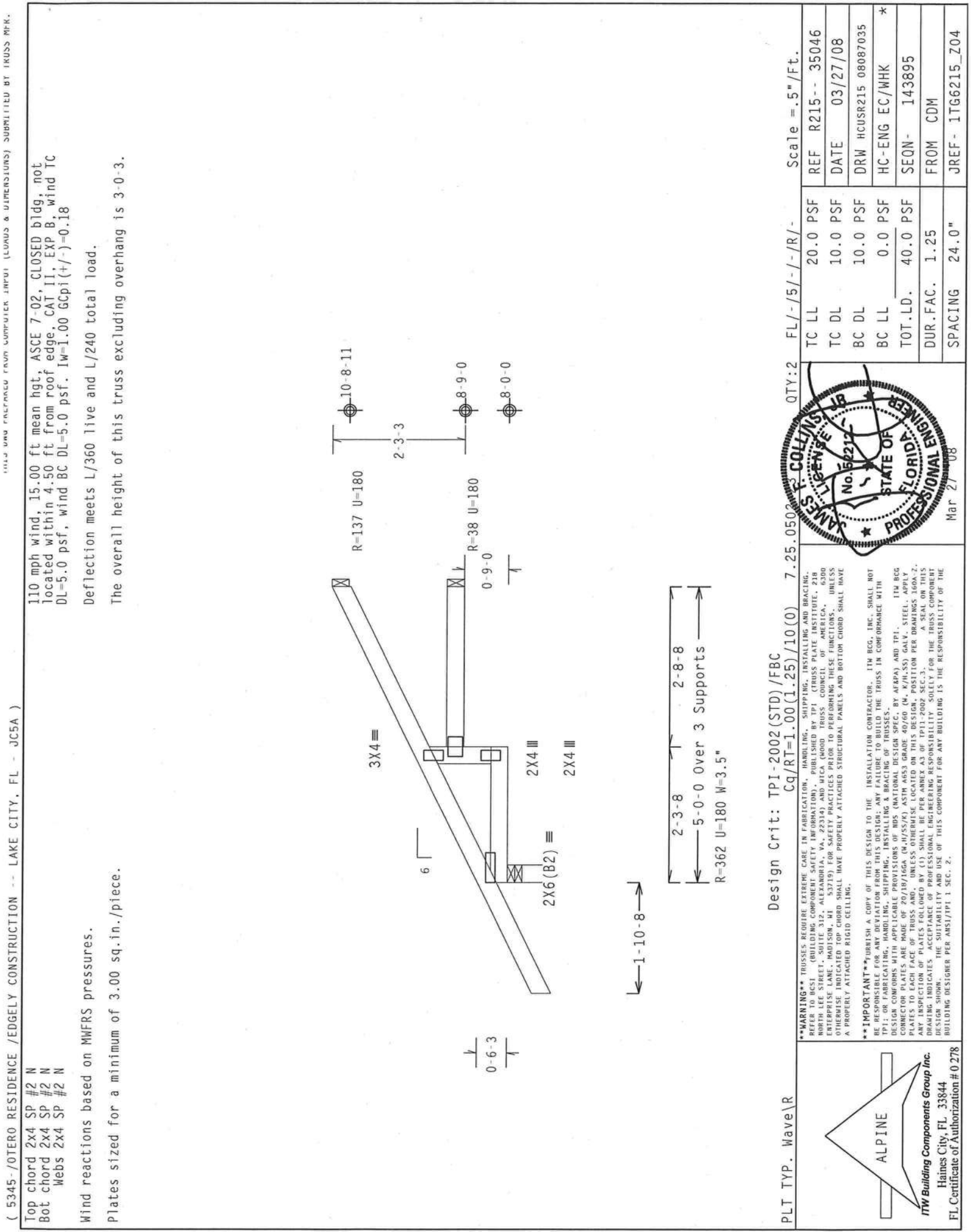
Mar 27 '08
Professional Engineer
James F. Collins
No. 82227
State of Florida

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, W=1.00 GCpl(+/-)=0.18
Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 3-0-3.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502 QTY:8 FL/-/5/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave\R

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



(5345-/OTERO RESIDENCE /EDGELY CONSTRUCTION -- LAKE CITY, FL - JCSA)

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

Wind reactions based on MWFRS pressures.

Plates sized for a minimum of 3.00 sq.in./piece.

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

Deflection meets L/360 live and L/240 total load.

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

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503

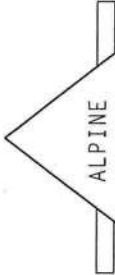
PLT TYP. Wave\R

QTY:2

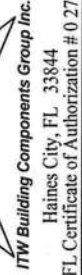
Scale = .5" / Ft.

****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, 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.

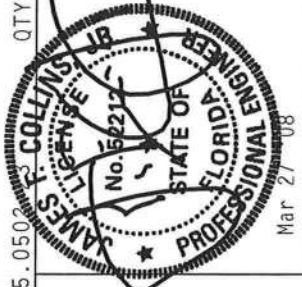
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 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.



ALPINE

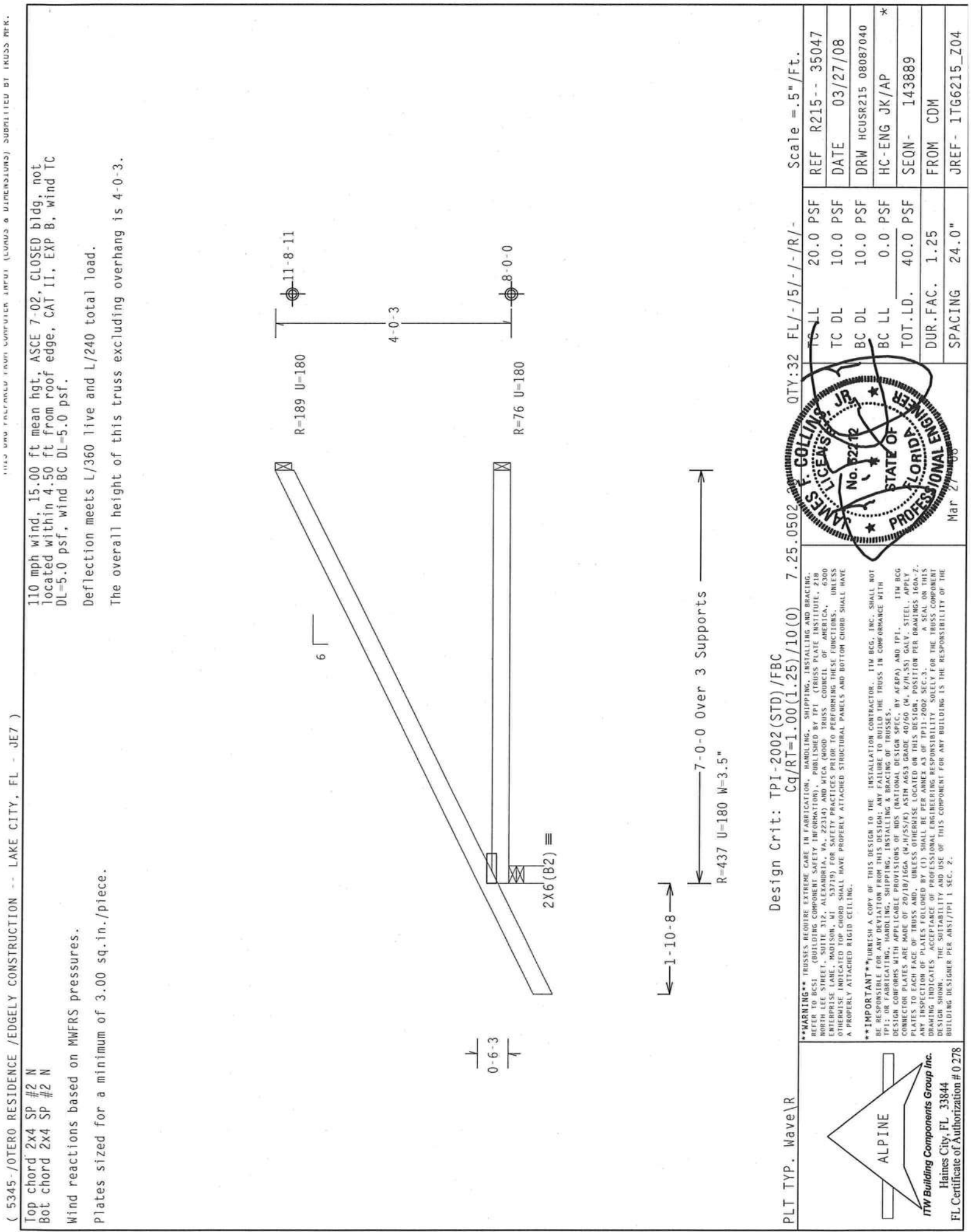


ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278



JAMES COLLINS
No. 56219
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Mar 27/08

TC LL	20.0 PSF	REF	R215--	35046
TC DL	10.0 PSF	DATE	03/27/08	
BC DL	10.0 PSF	DRW	HCUSR215	08087035
BC LL	0.0 PSF	HC-ENG	EC/WHK	*
TOT.LD.	40.0 PSF	SEQN-	143895	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TG6215_Z04	



(5345-/OTERO RESIDENCE /EDGEY CONSTRUCTION -- LAKE CITY, FL - JE7)

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.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 4-0-3.

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

Wind reactions based on MWFRS pressures.

Plates sized for a minimum of 3.00 sq.in./piece.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502

Scale = .5"/Ft.

PLT TYP. Wave\R

ALPINE

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

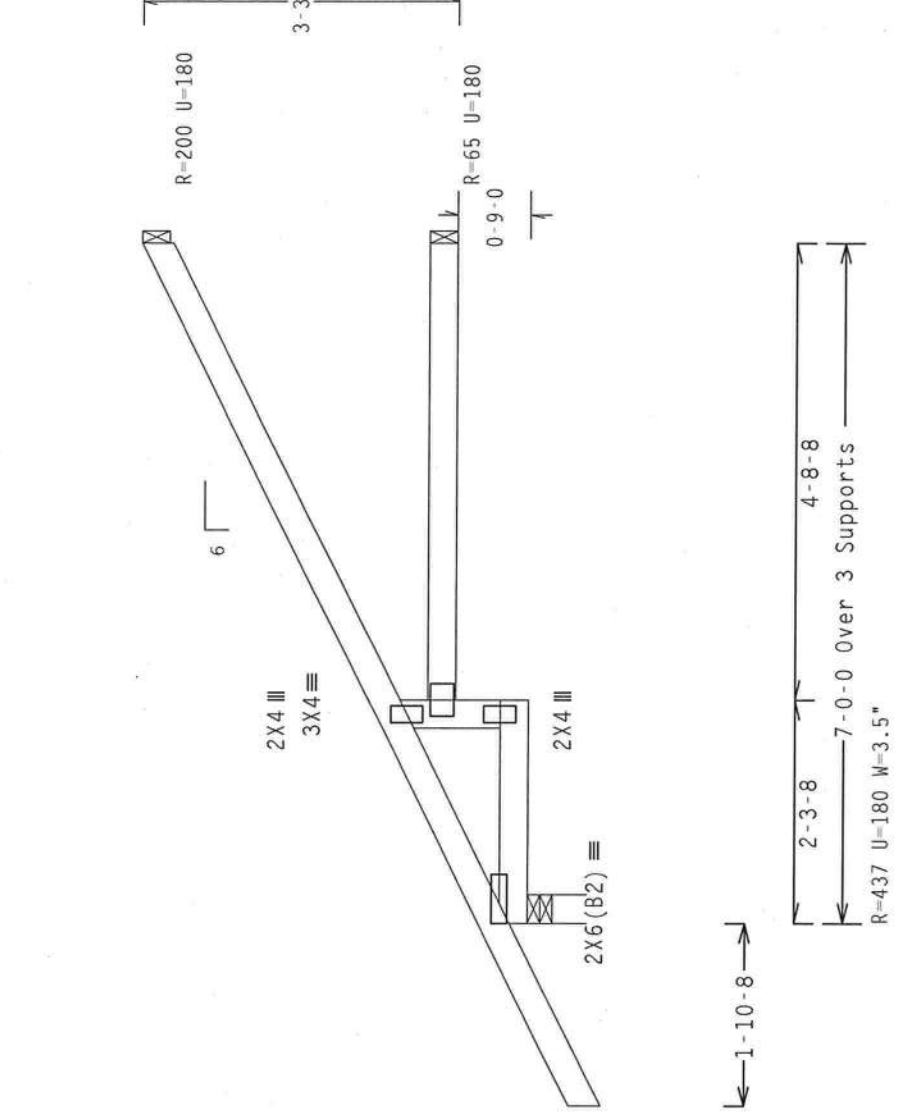
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.
Plates sized for a minimum of 3.00 sq.in./piece.

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.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 4-0-3.



PLT TYP. Wave|R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502

Scale = .5" /Ft.

Mar 27 '08

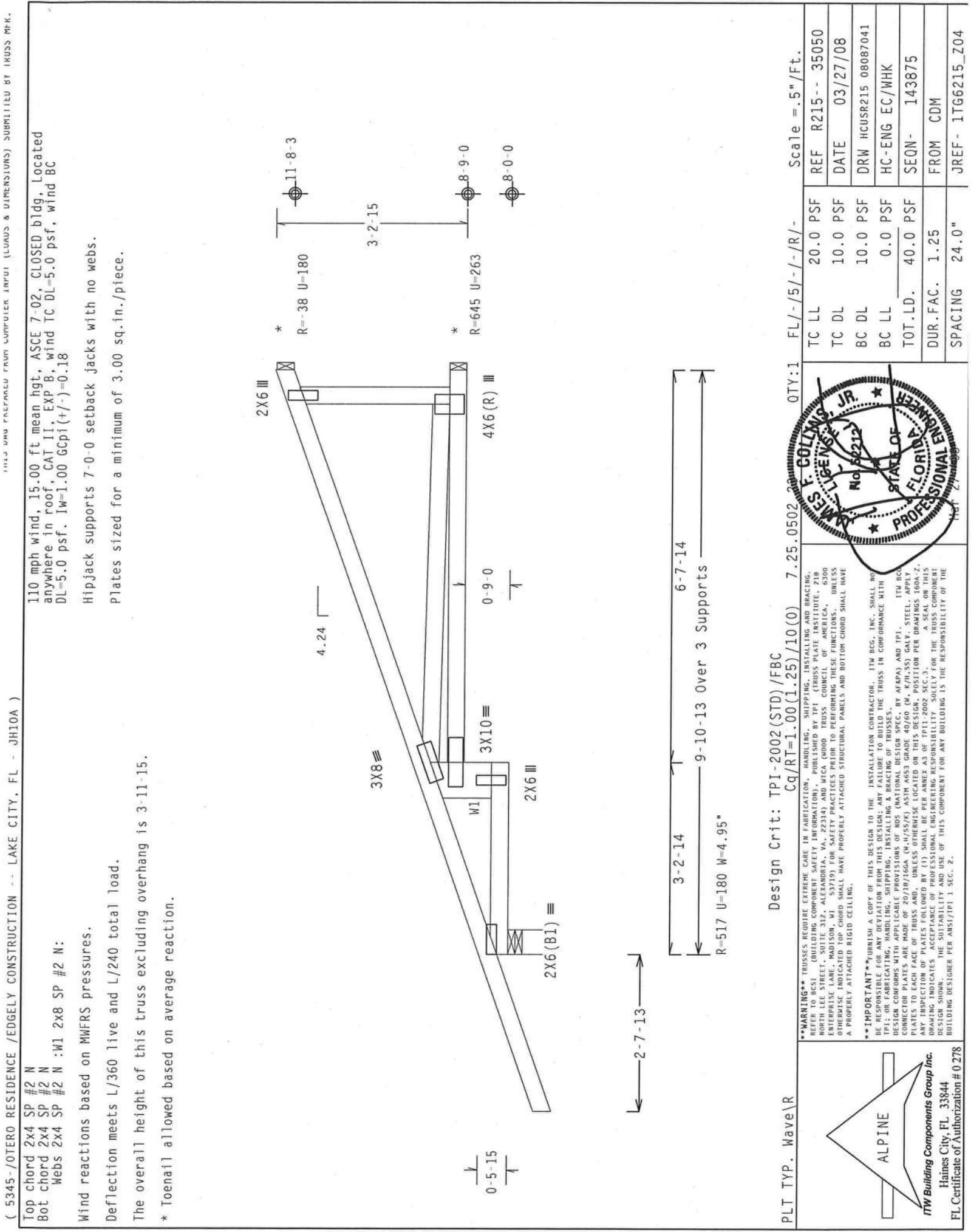
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		TC DL	10.0 PSF	DATE	03/27/08
		BC DL	10.0 PSF	DRW	HCUSR215 08087042
		BC LL	0.0 PSF	HC-ENG	JK/AP
		TOT.LD.	40.0 PSF	SEQN-	143898
		DUR.FAC.	1.25	FROM	CDM
		SPACING	24.0"	JREF-	1TG6215_Z04

****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 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. ITN 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. CORRELATOR PLATES ARE MADE TO 2010 TPI/ITW STANDARD UNLESS OTHERWISE INDICATED ON THIS DRAWING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3 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.

ALPINE

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



TOP CHORD FILLER DETAIL

- + 2X4 CONTINUOUS LATERAL BRACING AT 24" O.C. MAXIMUM SPACING. ATTACH TO EACH TOP CHORD WITH (2) 16d COMMON (0.162"X 3.5".MIN) NAILS.
- BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.
- ++ 2X4 SO. PINE #2 N OR SPF #1/#2 FILLER TOP CHORD.
- +++ 2X4 SO. PINE #3 OR SPF #1/#2 VERTICAL WEBS SPACED 48" OC MAXIMUM.
- * 8/12 MAXIMUM PITCH.

** 2X8.25 PIGGYBACK SPECIAL PLATE. SEE DRAWING PIGBACKB0699 FOR PIGGYBACK SPECIAL PLATE INFORMATION.

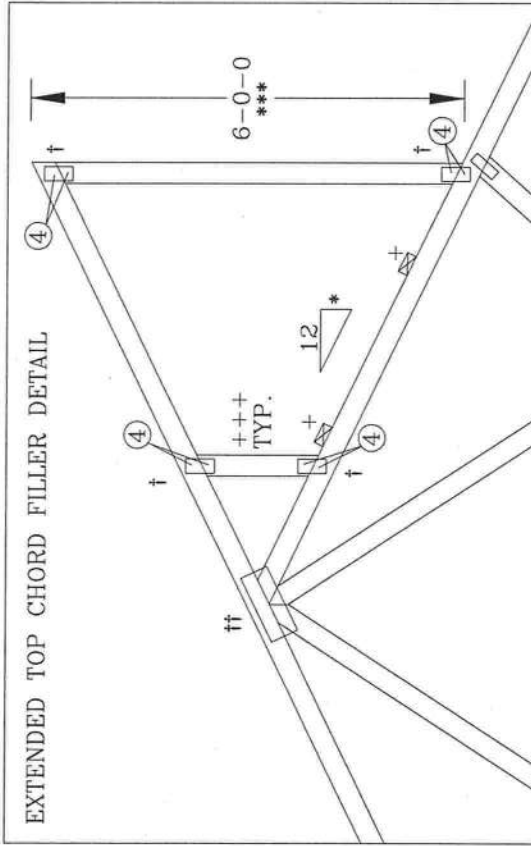
*** 6'0" MAXIMUM HEIGHT.

† W2X4 OR 3X6 TRULOX.

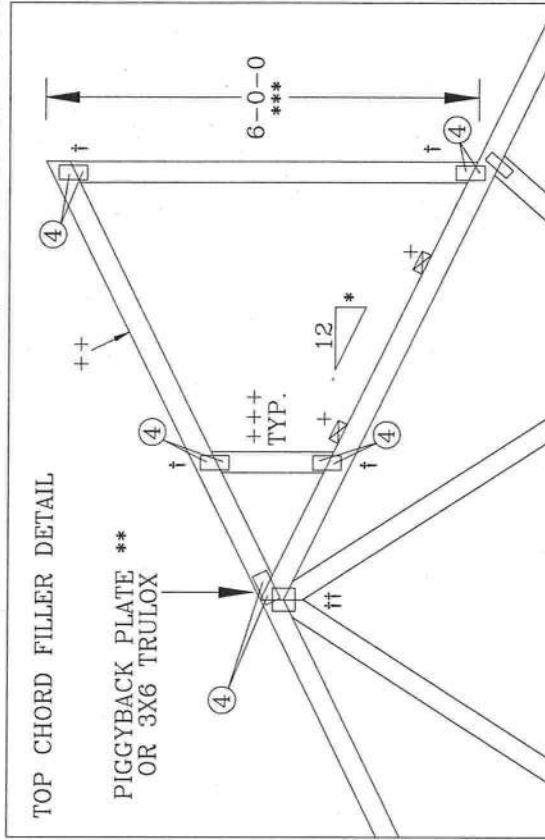
†† REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

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

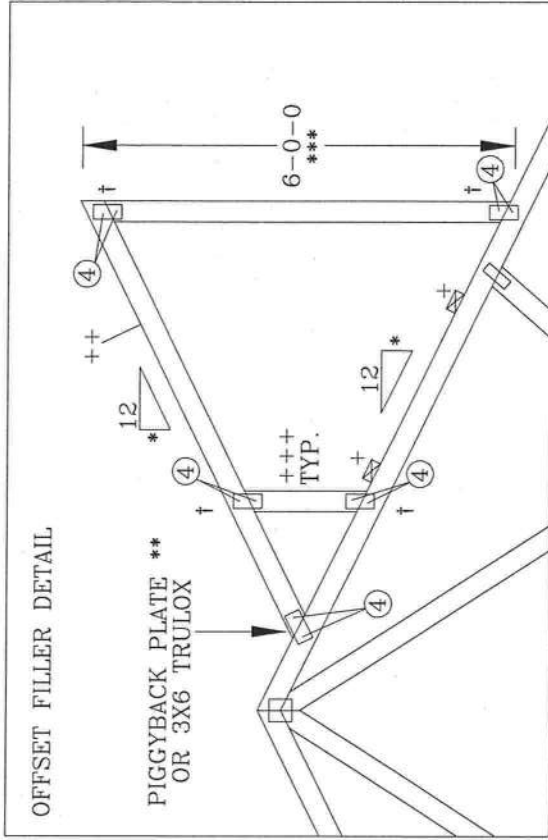
EXTENDED TOP CHORD FILLER DETAIL



TOP CHORD FILLER DETAIL



OFFSET FILLER DETAIL



THIS DRAWING REPLACES DRAWING 884.080

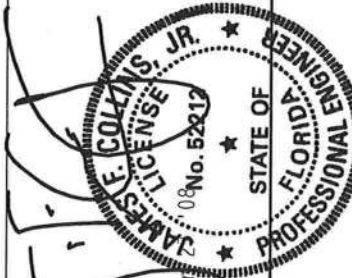
TC LL	MAX 30 PSF	REF	TC-FILLER
TC DL	MAX 15 PSF	DATE	2/23/07
BC DL	MAX 10 PSF	DRWG	TCFILLER0207
BC LL	0 PSF	-ENG	SJP/KAR
TOT. LD.	MAX 55 PSF		
DUR. FAC.	1.15 OR 1.33		
SPACING	24.0"		

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, 2815 N. WILSON AVENUE, SUITE 312, ALEXANDRIA, VA 22314, AND WTC (WOOD TRUSS COUNCIL AMERICAN 6300 ENTERPRISE DRIVE, MADISON, WI 53711) FOR SAFETY INFORMATION 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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV 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. ITV BCG CONNECTOR PLATES ARE MADE OF 6061-T6 ALUMINUM. UNLESS OTHERWISE SPECIFIED, ALL GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, USE THE DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE THE ENGINEER'S RESPONSIBILITY. 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.



ITV BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA



BOTTOM CHORD FILLER DETAIL

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

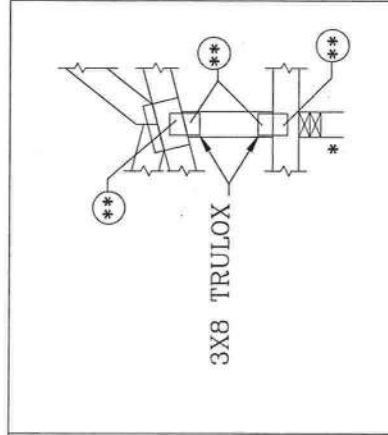
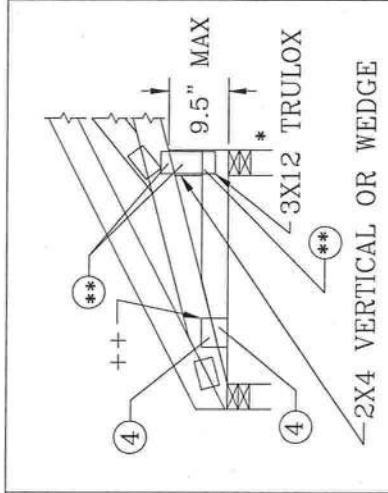
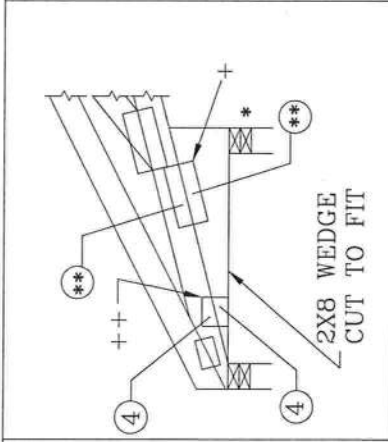
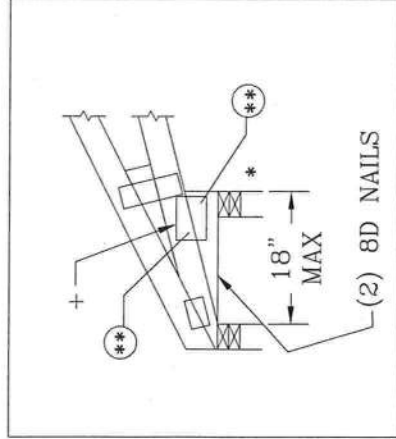
0.120" X 1.375", NAILS, REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS

+ 3X4 WAVE OR 4X8 TRULOX
++ 2X4 WAVE OR 3X6 TRULOX

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

ALL TRULOX PLATES SHOWN ARE MINIMUMS. LARGER PLATES MAY BE REQUIRED TO ACCOMMODATE REQUIRED NAILS (**)

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





ALPINE BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWINGS A115 A115/R & 884.132

TC LL — PSF
TC DL — PSF
BC DL 10.0 PSF
BC LL — PSF
TOT. LD. — PSF
DUR. FAC. 1.0/1.15/1.25/1.33
SPACING 24.0"

DATE 2/23/07
DRWG BC/FILLER0207
-ENG DLJ/KAR

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC/SI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314 AND WCA (WOOD TRUSS COUNCIL), 1000 S. 10TH AVE., SUITE 100, MIAMI, FL 33136 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS UNLESS OTHERWISE INDICATED. ALL TRUSSES MUST BE PROPERLY ATTACHED TO STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNER'S RESPONSIBILITY FOR THE TRUSS DESIGN, INCLUDING THE DESIGN SPEC, BY A/E/P/S AND TPI. GALV. STEEL CONNECTOR PLATES TO EACH FACE OF TRUSSES. REFER TO TPI DRAWING 160A-2 FOR DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY IT 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.

JAMES K. COLLINS, JR.
No. 52212
Professional Engineer
STATE OF FLORIDA

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.

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

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

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

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



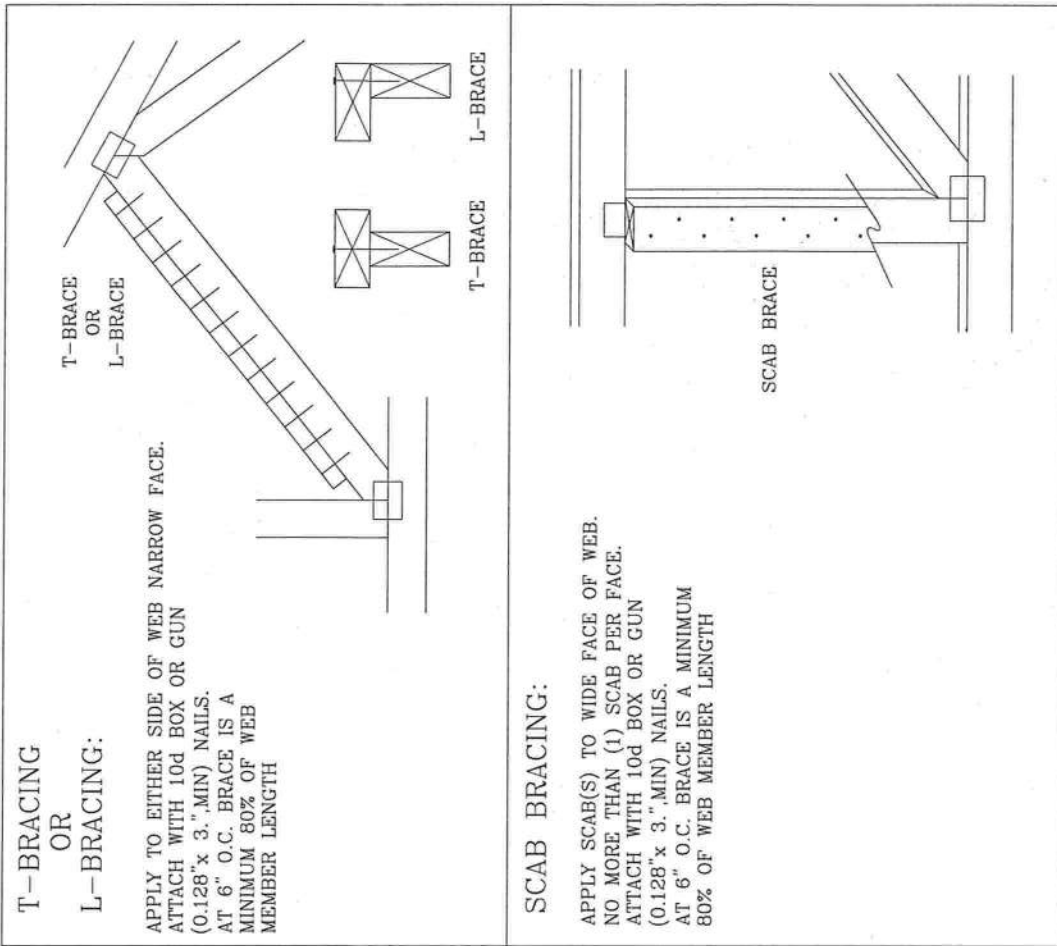
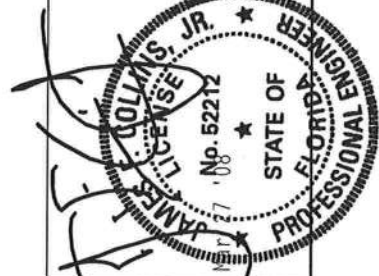
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

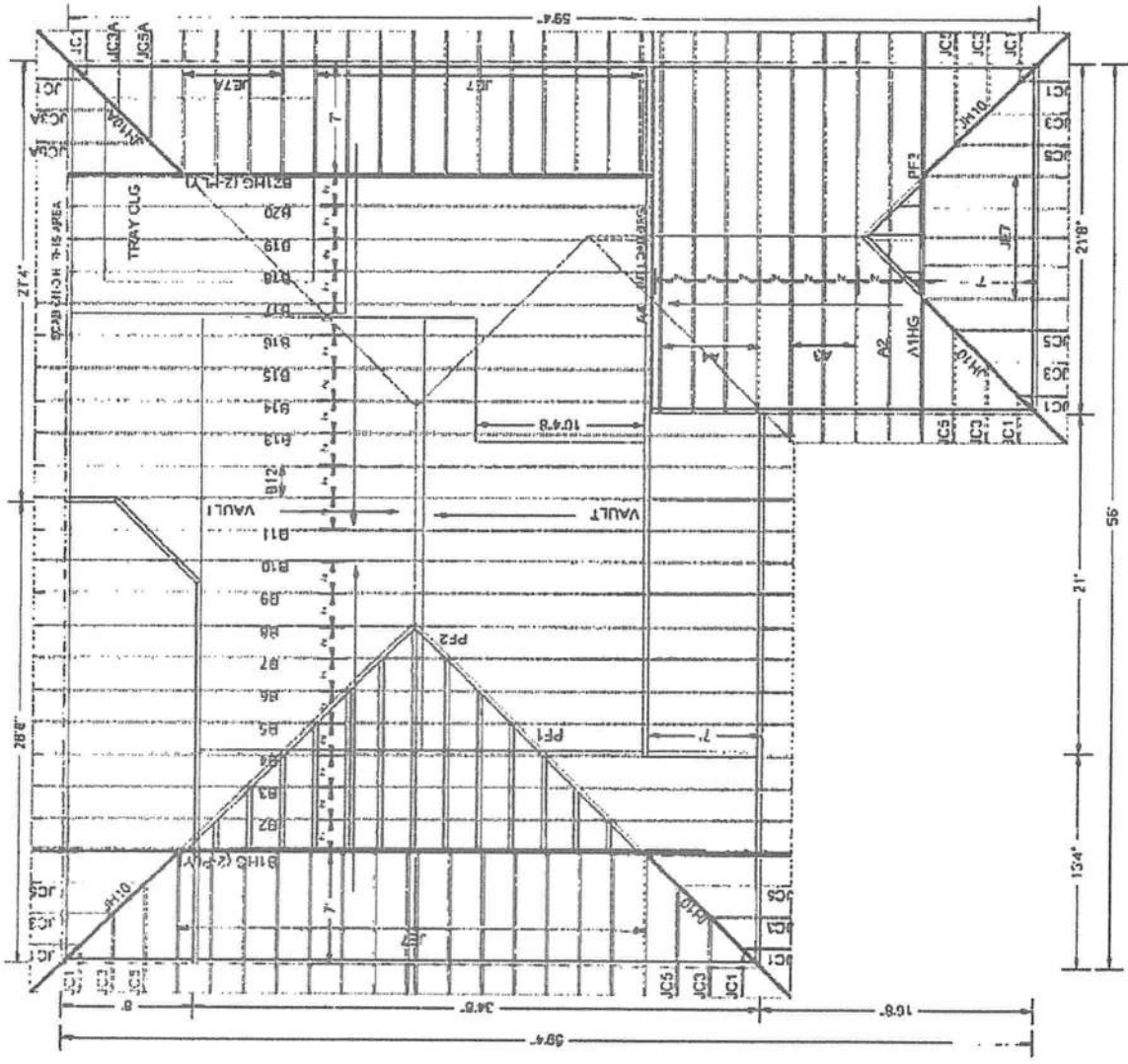
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND MAINTAINING. REFER TO THE FOLLOWING LITERATURE FOR THE EXTENSIVE SAFETY INFORMATION, PUBLISHED BY THE TRUSS INSTITUTE, 218 NORTH CENTRAL AVENUE, SUITE 200, CHICAGO, ILL. 60610-4001, TEL. (312) 462-1100, FAX (312) 462-1101, WWW: WWW.TRUSSINSTITUTE.COM, E-MAIL: TRUSS@TRUSSINSTITUTE.COM. IN NORTH AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMANCE OF TRUSS FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NIS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. TP1, BEG CONNECTOR PLATES ARE MADE OF 20/18/16/6 GA W/45X30 ASTM A653 GRADE 40/60 (W/45X30) TRUSS DESIGN. THE TRUSS FACE OF THE TRUSS IS TO BE 60 IN. UNLESS OTHERWISE LOCATED ON THE TRUSS. DESIGN POSITION PER DRAWING 6002. THE TRUSS DESIGN IS TO BE 60 IN. PER DRAWING 6002. ANNEX A3 OF TP1 1-2008 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 ANS1/TP1 1 SEC. 2.

THIS DRAWING REPLACES DRAWING 579.640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			





W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

ROOF PITCH: 8/12
CLG PITCH: 3/12
OVERHANG: 1-10 1/2" PLUMB CUT
LOADING: 40 PSF T.L./SHINGLE
WIND LOAD: 110 MPH ENCLOSED
EXT WALLS: 2x4 FRAMING
DATE: 3-27-08

• DROPPED FLAT TOP CHORDS ON
B14 - B21ING

• ADDED 1" TO EACH SIDE OF FLAT
TOP CHORD AREAS

Job Name: OTERO RESIDENCE
Customer: EDGELY CONSTRUCTION
Designer: Chris McCall

JOB NO:
5345

PAGE NO:
1 OF 1

COLUMBIA COUNTY BUILDING DEPARTMENT

**RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR
FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS
ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002**

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.
 _____ FEET EAST OF SAID LINE SHALL BE _____ 100 MPH

- WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF THE WIND SPEED LINE SHALL BE 100 MPH
1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE 100 MPH
 2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE 110 MPH
 3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

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.

Site Plan including:

- 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.

Wind-load Engineering Summary, calculations and any details required

- Wind-load Engineering Summary, calculations and any details required**
- 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/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional

Elevations including:

- 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
- e) Number of stories

☒ ☐ **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
- c) Cycle stop valve if used

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: 803261EdgleyConstruction
Address:
City, State: Lake City, FL 32025-
Owner: Otero Residence
Climate Zone: North

Builder:
Permitting Office:
Permit Number:
Jurisdiction Number:

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 34.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1856 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: 34.0 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble Default) 211.3 ft ²			HSPF: 7.90
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 211.3 ft ²		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 182.0(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, 1036.7 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 148.0 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, 1958.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 176.0 ft		
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 23703

Total base points: 26660

PASS

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

PREPARED BY: 43
DATE: 3-27-08

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: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1856.0	20.04	6695.0	Double, Clear	SW	8.0	5.5	20.0	40.16	0.43	344.5
				Double, Clear	SW	8.0	5.5	30.0	40.16	0.43	516.7
				Double, Clear	S	8.0	5.5	20.0	35.87	0.48	341.6
				Double, Clear	SW	1.5	5.5	60.0	40.16	0.86	2079.6
				Double, Clear	NW	1.5	1.5	4.0	25.97	0.64	66.3
				Double, Clear	NE	7.0	5.5	30.0	29.56	0.54	475.3
				Double, Clear	NE	7.0	7.3	13.3	29.56	0.60	233.9
				Double, Clear	NE	1.5	5.5	30.0	29.56	0.91	802.9
				Double, Clear	SE	1.5	1.5	4.0	42.75	0.49	84.6
				As-Built Total:			211.3			4945.5	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	148.0	0.70	103.6	Frame, Wood, Exterior	13.0			1036.7	1.50	1555.0	
Exterior	1036.7	1.70	1762.4	Frame, Wood, Adjacent	13.0			148.0	0.60	88.8	
Base Total:				As-Built Total:			1184.7			1643.8	
1184.7 1866.0											
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	20.0	1.60	32.0	Exterior Insulated	20.0 4.10 82.0						
Exterior	40.0	4.10	164.0	Exterior Insulated	20.0 4.10 82.0						
				Adjacent Insulated	20.0 1.60 32.0						
Base Total:				As-Built Total:			60.0			196.0	
60.0 196.0											
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1856.0	1.73	3210.9	Under Attic	30.0			1958.0	1.73 X 1.00	3387.3	
Base Total:				As-Built Total:			1958.0			3387.3	
1856.0 3210.9											
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	182.0(p)	-37.0	-6734.0	Slab-On-Grade Edge Insulation	0.0			182.0(p)	-41.20	-7498.4	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:			182.0			-7498.4	
-6734.0											
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1856.0 10.21 18949.8				1856.0 10.21 18949.8							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 24183.6				Summer As-Built Points: 21624.0						
Total Summer Points	X Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
24183.6	0.4266		10316.7	(sys 1: Central Unit 34000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 21624 1.00 (1.09 x 1.147 x 1.00) 0.263 1.000 7097.7 21624.0 1.00 1.250 0.263 1.000 7097.7						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

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	1856.0	12.74	4256.2	Double, Clear	SW	8.0	5.5	20.0	16.74	1.80	601.2
				Double, Clear	SW	8.0	5.5	30.0	16.74	1.80	901.8
				Double, Clear	S	8.0	5.5	20.0	13.30	3.24	861.9
				Double, Clear	SW	1.5	5.5	60.0	16.74	1.07	1076.8
				Double, Clear	NW	1.5	1.5	4.0	24.30	1.02	99.6
				Double, Clear	NE	7.0	5.5	30.0	23.57	1.05	742.3
				Double, Clear	NE	7.0	7.3	13.3	23.57	1.04	326.9
				Double, Clear	NE	1.5	5.5	30.0	23.57	1.01	712.7
				Double, Clear	SE	1.5	1.5	4.0	14.71	1.94	113.9
				As-Built Total:				211.3	5437.1		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	148.0	3.60	532.8	Frame, Wood, Exterior	13.0		1036.7	3.40	3524.8		
Exterior	1036.7	3.70	3835.8	Frame, Wood, Adjacent	13.0		148.0	3.30	488.4		
Base Total:				As-Built Total:		1184.7		4013.2			
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	20.0	8.00	160.0	Exterior Insulated			20.0	8.40	168.0		
Exterior	40.0	8.40	336.0	Exterior Insulated			20.0	8.40	168.0		
				Adjacent Insulated			20.0	8.00	160.0		
Base Total:				As-Built Total:		60.0		496.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1856.0	2.05	3804.8	Under Attic	30.0		1958.0	2.05 X 1.00	4013.9		
Base Total:				As-Built Total:		1958.0		4013.9			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	182.0(p)	8.9	1619.8	Slab-On-Grade Edge Insulation	0.0		182.0(p)	18.80	3421.6		
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		182.0		3421.6			
INFILTRATION Area X BWPM = Points						Area X WPM = Points					
1856.0 -0.59 -1095.0						1856.0 -0.59 -1095.0					

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

BASE			AS-BUILT						
Winter Base Points: 13450.3			Winter As-Built Points: 16286.7						
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points	
13450.3	0.6274	8438.7	(sys 1: Electric Heat Pump 34000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 16286.7 1.000 (1.069 x 1.169 x 1.00) 0.432 1.000 8785.2	1.00	1.250	0.432	1.000	8785.2	
			16286.7	1.00	1.250	0.432	1.000	8785.2	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

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
3		2635.00	7905.0	40.0	0.93	3		1.00	2606.67
				As-Built Total:					7820.0

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	= Total Points
10317		8439		7905	26660	7098		8785	23703

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

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* = 85.3

The higher the score, the more efficient the home.

Otero Residence, , Lake City, FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 34.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1856 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: 34.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 211.3 ft ²		HSPF: 7.90
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 211.3 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0. 182.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0. 1036.7 ft ²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0. 148.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0. 1958.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0. 176.0 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 FLORIDA DEPARTMENT OF BUILDING AND ZONING INSPECTION

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 18-6S-17-09696-116

Building permit No. 000027178

Use Classification SFD/UTILITY

Fire: 109.98

Permit Holder DOUG EDGLEY

Waste: 150.75

Owner of Building ALFRED & SERANA OTERO

Total: 260.73

Location: 630 SW MARIGOLD AVE., FT. WHITE, FL



Date: 01/28/2009



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

FEE:

ROAD IMPACT FEE \$1,046.00 CODE 210 UNIT 1
10100003632400

EMS IMPACT FEE \$27.88
10300003632210

FIRE PROTECTION IMPACT FEE \$78.63
10200003632220

CORRECTIONS IMPACT FEE \$409.16
00100003632200

SCHOOL IMPACT FEE \$1,500.00
00100003632900

TOTAL FEES CHARGED \$3,063.67 CHECK NUMBER _____