

DATE 09/04/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000028055

APPLICANT TRAVIS TIMMONS PHONE 752-0375
ADDRESS 641 NW HARRIS LAKE DR. LAKE CITY FL 32055
OWNER MARVIN & MARY SLAY PHONE 754-0304
ADDRESS 694 NW FAIRWAY DRIVE LAKE CITY FL 32055
CONTRACTOR TRAVIS TIMMONS PHONE 752-0375
LOCATION OF PROPERTY 90W, TR ON COMMERCE BLVD., BECOMES FAIRWAY DR., 6TH LOT ON
LEFT PAST EGRET
TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 157700.00
HEATED FLOOR AREA 2404.00 TOTAL AREA 3154.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 27-3S-16-02309-019 SUBDIVISION FAIRWAY VIEW
LOT 19 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001756 CGC1513728
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
WAIVER 09-293 BK WR Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1963

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 Insulation 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 Pool date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by
Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 790.00 CERTIFICATION FEE \$ 15.77 SURCHARGE FEE \$ 15.77
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 896.54
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 NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

Heritage Title Services of North Florida, Inc.
201 Parshley Street S.W.
Live Oak, Florida 32064

File Number: 09-0027

Inst:200912001229 Date:1/27/2009 Time:2:15 PM
Doc Stamp-Deed:259.00
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1166 P:72

General Warranty Deed

Made this January 27, 2009 A.D. By **Christopher L. Craun, joined by his wife, Michelle Lee Craun**, whose post office address is: P.O. Box 2149, Lake City, FL 32056, hereinafter called the grantor, to **Marvin H. Slay and Mary T. Slay, husband and wife**, whose post office address is: 1316 N.W. Frontier Drive, Lake City, FL 32055, hereinafter called the grantee:

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

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

Lot 19 of Fairway View Subdivision Unit 1, according to the plat thereof recorded in Plat Book 3, pages 97-99, Public Records of Columbia County, Florida.

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

Parcel ID Number: R02309-019

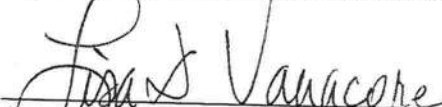
Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

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

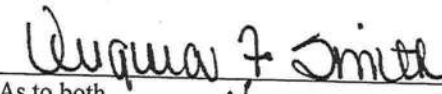
And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2008.

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:


As to both
Witness Printed Name LISA D VANACORE

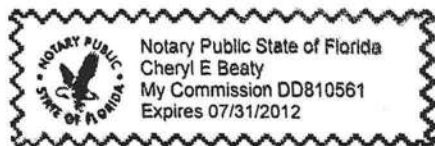

Christopher L. Craun (Seal)
Address: P.O. Box 2149, Lake City, FL 32056

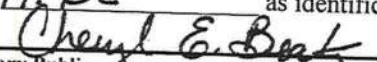

As to both
Witness Printed Name Virginia F. Smith


Michelle Lee Craun (Seal)
Address: P.O. Box 2149, Lake City, FL 32056

State of Florida
County of Suwannee

The foregoing instrument was acknowledged before me this 27th day of January, 2009, by Christopher L. Craun and Michelle Lee Craun, husband and wife, who is/are personally known to me or who has produced FL DL as identification.




Notary Public
Print Name: Cheryl E. Beaty
My Commission Expires: 7-31-2012

28055

SUBCONTRACTOR VERIFICATION FORM

Application Number: 0908-55

Contractor: Travis L. Timmons

Phone: 386-752-0375

Project: Slay House

Change of Subcontractor:

New Plumbing Contractor: K-Ault Plumbing Inc

License No. RF 11067359

Phone No.: 386-697-3856

Signature:  Kenneth E. Ault

CK#

left message
9/4/09

Columbia County Building Permit Application

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

TIME LIMITATIONS OF PERMITS: 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 work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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

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

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

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature _____

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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

Contractor's Signature (Permitee) _____

Contractor's License Number CGC 1513728
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 27th day of AUGUST 2009.

Personally known _____ or Produced Identification _____

State of Florida Notary Signature (For the Contractor) _____

SEAL: NOTARY PUBLIC-STATE OF FLORIDA
Stasia T. Slay
Commission #DD780253
Expires: AUG. 08, 2012
BONDED THRU ATLANTIC BONDING



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

LETTER OF AUTHORIZATION TO SIGN FOR PERMITS

I, TRAVIS L. TIMMONS (license holder name), licensed qualifier
for TIMMONS CONCRETE, INC. (company name), do certify that
the below referenced person(s) listed on this form is/are contracted/hired by me, the license
holder, or is/are employed by me directly or through an employee leasing arrangement; or, is an
officer of the corporation; or, partner as defined in Florida Statutes Chapter 468, and the said
person(s) is/are under my direct supervision and control and is/are authorized to purchase
permits, call for inspections and sign on my behalf.

Printed Name of Person Authorized	Signature of Authorized Person
1. <u>CHARLES TIMMONS</u>	1. <u>[Signature]</u>
2.	2.
3.	3.
4.	4.
5.	5.

I, the license holder, realize that I am responsible for all permits purchased, and all work done
under my license and fully responsible for compliance with all Florida Statutes, Codes, and
Local Ordinances. I understand that the State and County Licensing Boards have the power and
authority to discipline a license holder for violations committed by him/her, his/her agents,
officers, or employees and that I have full responsibility for compliance with all statutes, codes
and ordinances inherent in the privilege granted by issuance of such permits.

If at any time the person(s) you have authorized is/are no longer agents, employee(s), or
officer(s), you must notify this department in writing of the changes and submit a new letter of
authorization form, which will supersede all previous lists. Failure to do so may allow
unauthorized persons to use your name and/or license number to obtain permits.

[Signature] CGC 1513728 8/27/09
License Holders Signature (Notarized) License Number Date

NOTARY INFORMATION:

STATE OF: Florida COUNTY OF: COLUMBIA

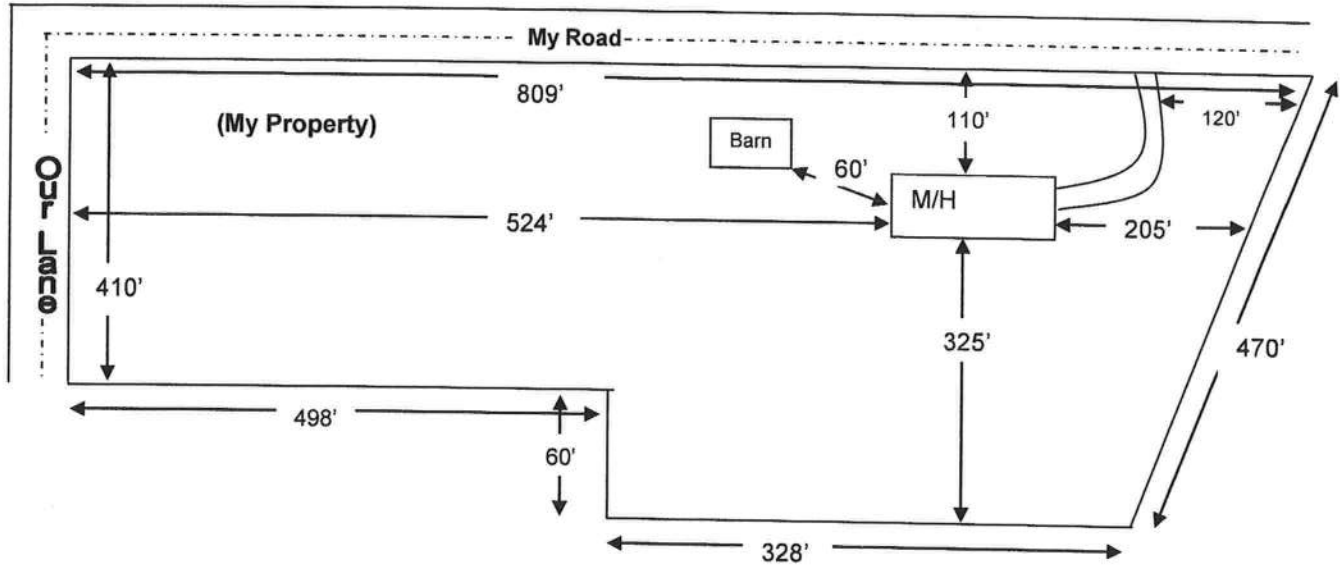
The above license holder, whose name is TRAVIS L. TIMMONS,
personally appeared before me and is known by me or has produced identification
(type of I.D.) _____ on this 27th day of AUGUST, 2009.

[Signature]
NOTARY'S SIGNATURE

(Seal/Stamp)

NOTARY PUBLIC-STATE OF FLORIDA
Stasia T. Slay
Commission #DD780253
Expires: AUG. 08, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

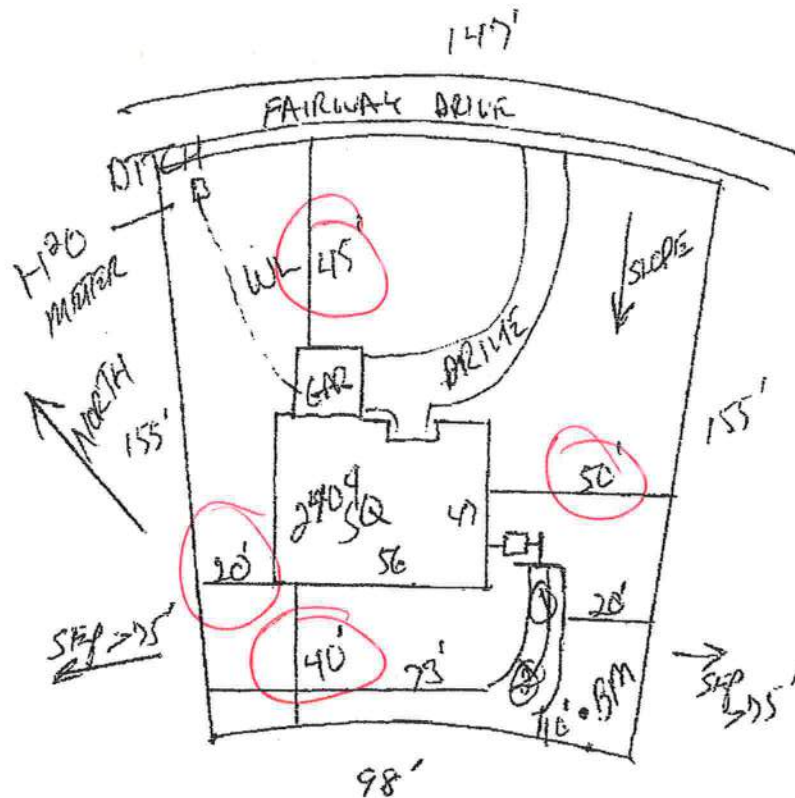
SITE PLAN EXAMPLE / WORKSHEET



Use this example to draw your own site plan. Show all existing buildings and any other homes on this property and show the distances between them. Also show where the roads or roads are around the property. This site plan can also be used for the 911 Addressing department if you include the distance from the driveway to the nearest property line.

Scale: 1 inch = 50 feet.

PROPOSED IMPROVEMENTS





STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
CONSTRUCTION PERMIT

09-2293
922866
PERMIT NO. 922866
DATE PAID: 5/15/09
FEE PAID: 310.00
RECEIPT #: 116345

CONSTRUCTION PERMIT FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: Marvin & Mary Slay

PROPERTY ADDRESS: 694 NW Fairway Drive, Lake City, FL, 32055

LOT: 19 BLOCK: na SUBDIVISION: Fairway View S/D

[SECTION, TOWNSHIP, RANGE, PARCEL NUMBER]
[OR TAX ID NUMBER]

PROPERTY ID #: 26-3S-16-02309-019

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T 1050 GALLONS / GPD SEPTIC TANK/AEROBIC UNIT CAPACITY MULTI-CHAMBERED/IN-SERIES ☐
A ☐ GALLONS / GPD CAPACITY MULTI-CHAMBERED/IN-SERIES ☐
N ☐ GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK: 1250 GALLONS]
K ☐ GALLONS DOSING TANK CAPACITY ☐ GALLONS @ ☐ DOSES PER 24 HRS # PUMPS ☐

D 444 SQUARE FEET PRIMARY DRAINFIELD SYSTEM
R ☐ SQUARE FEET SYSTEM

A TYPE SYSTEM: ☒ STANDARD ☐ FILLED ☐ MOUND ☐

I CONFIGURATION: ☒ TRENCH ☐ BED ☐

N

F LOCATION OF BENCHMARK: MAIL IN CHERRY TREE SOUTH OF SITE

I ELEVATION OF PROPOSED SYSTEM SITE 12 [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT

E BOTTOM OF DRAINFIELD TO BE 42 [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT

L

D FILL REQUIRED: NA INCHES EXCAVATION REQUIRED: NA INCHES

O

T

H

E

R

SPECIFICATIONS BY: Rock D 7-0 TITLE: MASTER CONTRACTOR

APPROVED BY: Salhi Ford TITLE: EH Director Columbia CHD

DATE ISSUED: 5-26-09

EXPIRATION DATE: 11-27-10

DH 4016, 10/97 (Previous Editions May Be Used)

Page 3



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

09-0293
PERMIT NO. 922816
DATE PAID: 5/15/09
FEE PAID: 310.00
RECEIPT #: 1126375

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: Marvin & Mary Slay

AGENT: ROCKY FORD, A & B CONSTRUCTION

TELEPHONE: 386-497-2311

MAILING ADDRESS: P.O. BOX 39 FT. WHITE, FL, 32038

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3) (m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: 19 BLOCK: na SUB: Fairway View S/D U-1 PLATTED: 7/

PROPERTY ID #: 26-3S-16-02309-019 ZONING: Res I/M OR EQUIVALENT: ☐ Y ☒ N

PROPERTY SIZE: .51 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐ ≤ 2000 GPD ☐ > 2000 GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ Y ☒ N DISTANCE TO SEWER: — FT

PROPERTY ADDRESS: 694 NW Fairway Drive, Lake City, FL, 32055

DIRECTIONS TO PROPERTY: 90 West, TR on NW Commerce Drive, Continue on Fairway

Drive, To lot directly across from Club House

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
---------	-----------------------	-----------------	--------------------	--

1	SF Residential	4	2404	
2				
3				

☒ Floor/Equipment Drains ☐ Other (Specify)

SIGNATURE: Rocky Ford DATE: 5/14/2009

09-0293

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: 4/13/2009 DATE ISSUED: 4/22/2009

ENHANCED 9-1-1 ADDRESS:

694 NW FAIRWAY

DR

LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

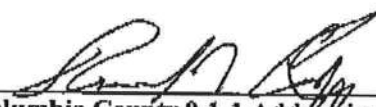
26-3S-16-02309-019

Remarks:

Approved Address

APR 22 2009

911Addressing/GIS Dept

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.

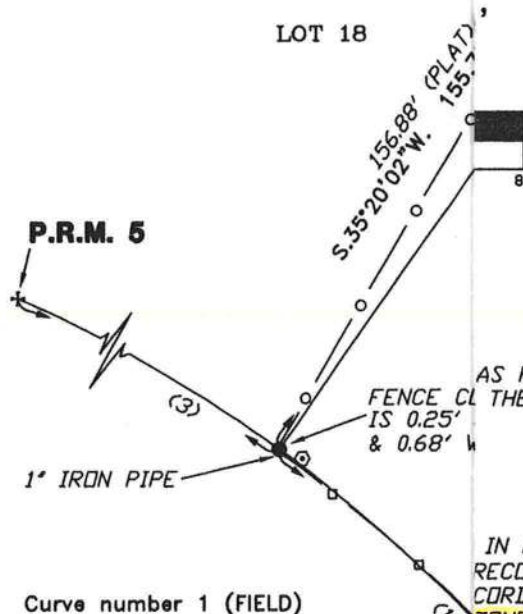
SECTIONS 26 & 27, TOWNSHIP 3 SOUTH,
COLUMBIA COUNTY, FLORIDA.

Curve number 3 (CALC.)

Radius= 309.12'
Delta= 17°40'44"
Arc= 95.38'
Tangent= 48.07'
Chord= 95.00'
Chord Brg.= S.63°08'52"E.

SYMBOL LEGEND:

■	4"X4" CONCRETE MONUMENT FOUND
□	4"X4" CONCRETE MONUMENT SET
●	IRON PIPE FOUND
○	IRON PIN AND CAP SET
×	"X" CUT IN PAVEMENT
+	CALCULATED PROPERTY CORNER
⊙	NAIL & DISK
⊕	POWER POLE
+	SIGN POST
▲	WATER METER
⊙	UTILITY BOX
*	WELL
⊙	SANITARY MANHOLE
⊙	CENTERLINE
—	SECTION LINE
—E—	ELECTRIC LINES
—X—	WIRE FENCE
—○—	CHAIN LINK FENCE
—□—	WOODEN FENCE
(PLAT)	AS PER A PLAT OF RECORD
(DEED)	AS PER A DEED OF RECORD
(CALC.)	AS PER CALCULATIONS
(FIELD)	AS PER FIELD MEASUREMENTS
P.R.M.	PERMANENT REFERENCE MARKER
P.C.P.	PERMANENT CONTROL POINT



Curve number 1 (FIELD)

Radius= 309.12'
Delta= 18°14'10"
Arc= 98.39'
Tangent= 49.61'
Chord= 97.97'
Chord Brg.= S.45°11'26"E.

Curve number 1 (PLAT)

Radius= 309.12'
Arc= 98.05'

AS PER THE PLAT THEREOF RECORDED
IN THE PUBLIC RECORDS OF COLUMBIA

IN ACCORDANCE WITH THE RETRACEMENT OF
RECORD.

CORD.
ZONE "X" AND IS DETERMINED TO BE OUTSIDE
OF RATE MAP, DATED 4 FEBRUARY, 2009 FIRM
THE FLOOD INSURANCE RATE MAPS ARE SUBJECT

THIS SURVEY DRAWING ARE AS LOCATED ON
I.
IMENTS AND/OR UTILITIES WERE LOCATED FOR
E BENEFIT OF A TITLE COMMITMENT OR A TITLE
ND DECIMAL PARTS THEREOF.
RMINE OWNERSHIP.
SHOWN HEREON IS BASED ON THE COUNTY
S OTHERWISE DENOTED.
TYPICAL IN THIS DEVELOPMENT AND ARE THE

NOTE: ALL PROPERTY CORNERS LOCATED

CERTIFIED TO

BUDDY SLAY

RITT SURVEYING
& ASSOCIATES, INC.

LAND SURVEYORS AND MAPPERS, L.B. # 7593
830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573

FIELD BOOK 311

PAGE(S)

WORK ORDER # L-19881

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number R02309-019

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

- Description of property (legal description): LOT 19 OF FAIRWAY VIEW, UNIT 1, PLAT BOOK 3, PAGES 97-99
a) Street (job) Address: 694 NW FAIRWAY DR., LAKE CITY, FL 32055
- General description of improvements: CONSTRUCTION OF NEW RESIDENCE
- Owner Information
a) Name and address: MARVIN & MARY SLAY
b) Name and address of fee simple titleholder (if other than owner) _____
c) Interest in property: OWNERS
- Contractor Information
a) Name and address: TRAVIS L. TIMMONS 641 NW HARRIS LAKE DR., LAKE CITY, FL 32055
b) Telephone No.: 326-752-0375 Fax No. (Opt.) 326-759-0194
- Surety Information
a) Name and address: _____
b) Amount of Bond: _____
c) Telephone No.: _____ Fax No. (Opt.) _____
- Lender
a) Name and address: _____
b) Phone No.: _____
- Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.) _____
- In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.) _____
- Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. [Signature]
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager
MARVIN SLAY
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 27th day of AUGUST, 2009, by:
MARVIN SLAY as OWNER (type of authority, e.g. officer, trustee, attorney fact) for OWNER (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification ☐ Type _____

Notary Signature [Signature] Notary Stamp or Seal:



REGINA G. TIMMONS
MY COMMISSION # DD 709157
EXPIRES: October 28, 2011
Bonded Third Budget Notary Services

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

[Signature]
Signature of Natural Person Signing (in line #10 above.)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 902051BuddySlay
 Street:
 City, State, Zip: Lake City, FL,
 Owner: Buddy Slay
 Design Location: FL, Gainesville

Builder Name: ~~Owner~~ Timmons
 Permit Office: Columbia
 Permit Number: 28055
 Jurisdiction: 221000

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	4	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft ²)	2404	
7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.30	242.67 ft ²
SHGC:	SHGC=0.50	
b. U-Factor:	N/A	ft ²
SHGC:		
c. U-Factor:	N/A	ft ²
SHGC:		
d. U-Factor:	N/A	ft ²
SHGC:		
e. U-Factor:	N/A	ft ²
SHGC:		
8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2404.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

9. Wall Types	Insulation	Area
a. Concrete Block - Int Insul, Exterior	R=4.0	1788.20 ft ²
b. Frame - Wood, Adjacent	R=13.0	186.67 ft ²
c. N/A	R=	ft ²
d. N/A	R=	ft ²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2404.00 ft ²
b. Knee Wall (Vented)	R=30.0	251.00 ft ²
c. N/A	R=	ft ²
11. Ducts		
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 210 ft ²		
12. Cooling systems		
a. Central Unit	Cap: 42 kBtu/hr	SEER: 13
13. Heating systems		
a. Electric Heat Pump	Cap: 42 kBtu/hr	HSPF: 7.8
14. Hot water systems		
a. Electric	Cap: 40 gallons	EF: 0.93
b. Conservation features	None	
15. Credits		None

Glass/Floor Area: 0.101

Total As-Built Modified Loads: 39.81

Total Baseline Loads: 48.63

PASS

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

PREPARED BY: [Signature]
 DATE: 4/9/09 EVAN BEAMSLEY

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: _____

PROJECT

Title: 902051BuddySlay	Bedrooms: 4	Address Type: Street Address
Building Type: FLAsBuilt	Bathrooms: 0	Lot #
Owner: Buddy Slay	Conditioned Area: 2404	SubDivision:
# of Units: 1	Total Stories: 1	PlatBook:
Builder Name: Owner	Worst Case: Yes	Street:
Permit Office:	Rotate Angle: 45	County: Columbia
Jurisdiction:	Cross Ventilation: No	City, State, Zip: Lake City ,
Family Type: Single-family	Whole House Fan: No	FL ,
New/Existing: New (From Plans)		
Comment:		

CLIMATE

	Design Location	TMY Site	IECC Zone	Design Temp 97.5 % 2.5 %	Int Design Temp Winter Summer	Heating Degree Days	Design Moisture	Daily Temp Range
✓	FL, Gainesville	FL_GAINESVILLE_REGI	2	32 92	75 70	1305.5	51	Medium

FLOORS

	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
✓	1	Slab-On-Grade Edge Insulatio	234.7 ft	0	2404 ft²	0.3	0	0.7

ROOF

	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
✓	1	Hip	Composition shingles	2689 ft²	0 ft²	Dark	0.96	No	0	26.6 deg

ATTIC

	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
✓	1	Full attic	Vented	303	2404 ft²	N	N

CEILING

	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	30	2404 ft²	0.11	Wood
	2	Knee Wall (Vented)	30	251 ft²	0.11	Wood

WALLS

	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
✓	1	N	Exterior	Concrete Block - Int Insul	4	496.89 ft²	0	0	0.75
	2	S	Exterior	Concrete Block - Int Insul	4	316.33 ft²	0	0	0.75
	3	E	Exterior	Concrete Block - Int Insul	4	480 ft²	0	0	0.75
	4	W	Exterior	Concrete Block - Int Insul	4	495 ft²	0	0	0.75
	5	??	Garage	Frame - Wood	13	186.67 ft²		0.23	0.01

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	N	Insulated	None	0.46	20 ft²
_____	2	S	Insulated	None	0.46	20 ft²
_____	3	??	Insulated	None	0.46	20 ft²
_____	4	E	Insulated	None	0.46	10 ft²
_____	5	W	Insulated	None	0.46	10 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang		Int Shade	Screening
										Depth	Separation		
_____	1	N	Metal	Double (Clear)	Yes	0.3	0.5	N	60 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None
_____	2	E	Metal	Double (Clear)	Yes	0.3	0.5	N	20 ft²	0 ft 1188 i	0 ft 12 in	HERS 2006	None
_____	3	N	Metal	Double (Clear)	Yes	0.3	0.5	N	20 ft²	0 ft 102 in	0 ft 12 in	HERS 2006	None
_____	4	N	Metal	Double (Clear)	Yes	0.3	0.5	N	36 ft²	0 ft 102 in	0 ft 12 in	HERS 2006	None
_____	5	W	Metal	Double (Clear)	Yes	0.3	0.5	N	10 ft²	0 ft 1188 i	0 ft 12 in	HERS 2006	None
_____	6	E	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None
_____	7	S	Metal	Double (Clear)	Yes	0.3	0.5	N	6.67 ft²	0 ft 116 in	0 ft 12 in	HERS 2006	None
_____	8	S	Metal	Double (Clear)	Yes	0.3	0.5	N	6 ft²	0 ft 116 in	0 ft 12 in	HERS 2006	None
_____	9	S	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 12 in	0 ft 12 in	HERS 2006	None
_____	10	N	Metal	Double (Clear)	Yes	0.3	0.5	N	24 ft²	0 ft 102 in	0 ft 12 in	HERS 2006	None

INFILTRATION & VENTING

✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ----		Run Time	Fan
							Supply CFM	Exhaust CFM	Fraction	Watts
_____	Default	0.00036	2270	6.30	124.6	234.4	0 cfm	0 cfm	0	0

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	523.6 ft²	523.6 ft²	66.7 ft	8 ft	11

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	None	SEER: 13	42 kBtu/hr	1260 cfm	0.75	

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 7.8	42 kBtu/hr	

HOT WATER SYSTEM

✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.93	40 gal	70 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None				ft²	

DUCTS

✓	#	Location	--- Supply --- R-Value	Area	Location	--- Return --- Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	210 ft²	Attic	160 ft²	Default Leakage	Interior				

TEMPERATURES

Programable Thermostat: N					Ceiling Fans:									
Cooling	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec		
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec		
Venting	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec		
Thermostat Schedule: HERS 2006 Reference														
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12	
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68	68

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lake City, FL,	PERMIT #:
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INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	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 INDEX* = 82

The lower the EnergyPerformance Index, the more efficient the home.

1. New construction or existing	New (From Plans)	9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family	a. Concrete Block - Int Insul, Exterior	R=4.0	1788.20 ft²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	186.67 ft²
4. Number of Bedrooms	4	c. N/A	R=	ft²
5. Is this a worst case?	Yes	d. N/A	R=	ft²
6. Conditioned floor area (ft²)	2404	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	2404.00 ft²
a. U-Factor:	Dbl, U=0.30	b. Knee Wall (Vented)	R=30.0	251.00 ft²
SHGC:	SHGC=0.50	c. N/A	R=	ft²
b. U-Factor:	N/A	11. Ducts		
SHGC:		a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 210 ft²		
c. U-Factor:	N/A	12. Cooling systems		
SHGC:		a. Central Unit	Cap: 42 kBtu/hr	
d. U-Factor:	N/A		SEER: 13	
SHGC:		13. Heating systems		
e. U-Factor:	N/A	a. Electric Heat Pump	Cap: 42 kBtu/hr	
SHGC:			HSPF: 7.8	
8. Floor Types	Insulation	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0	a. Electric	Cap: 40 gallons	
b. N/A	R=	b. Conservation features	EF: 0.93	
c. N/A	R=	None		
	Area	15. Credits		None

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 Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 energygauge.com 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.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR TRAVIS L. TIMMONS PHONE 386-752-0375

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name <u>STEVE THOMAS ELECTRIC</u> License #: <u>EC 0001121</u>	Signature <u>[Signature]</u> Phone #: <u>386-752-5125</u>
MECHANICAL/ A/C	Print Name <u>TOUCHSTONE HEATING & AIR</u> License #: <u>CAC 058099</u>	Signature <u>[Signature]</u> Phone #: <u>386-496-3467</u>
PLUMBING/ GAS	Print Name <u>DEPENDABLE PLUMBING Co.</u> License #: <u>CFC 057747</u>	Signature <u>[Signature]</u> Phone #: <u>386-752-5218</u>
ROOFING	Print Name <u>CHARLES TIMMONS</u> License #: <u>CRC 005950</u>	Signature <u>[Signature]</u> Phone #: <u>386-752-0375</u>
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER	<u>CRC005950</u>	<u>CHARLES TIMMONS</u>	<u>[Signature]</u>
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Residential System Sizing Calculation

Summary

Buddy Slay

Project Title:
902051BuddySlay

Class 3 Rating
Registration No. 0
Climate: North

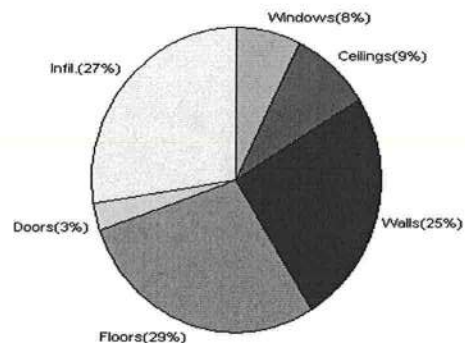
4/9/2009

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	35581 Btuh	Total cooling load calculation	29049 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.0 42000	Sensible (SHR = 0.75)	132.5 31500
Heat Pump + Auxiliary(0.0kW)	118.0 42000	Latent	198.8 10500
		Total (Electric Heat Pump)	144.6 42000

WINTER CALCULATIONS

Winter Heating Load (for 2404 sqft)

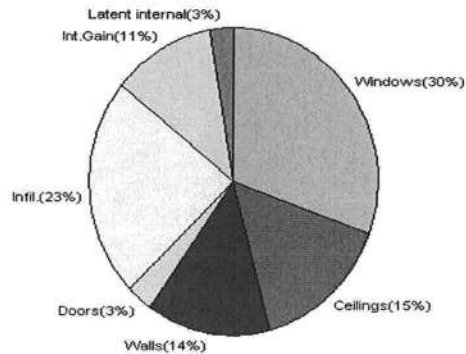
Load component		Load	
Window total	243 sqft	2694	Btuh
Wall total	1666 sqft	8835	Btuh
Door total	80 sqft	1036	Btuh
Ceiling total	2655 sqft	3129	Btuh
Floor total	235 sqft	10247	Btuh
Infiltration	238 cfm	9640	Btuh
Duct loss		0	Btuh
Subtotal		35581	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		35581	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2404 sqft)

Load component		Load	
Window total	243 sqft	8860	Btuh
Wall total	1666 sqft	4126	Btuh
Door total	80 sqft	784	Btuh
Ceiling total	2655 sqft	4397	Btuh
Floor total		0	Btuh
Infiltration	123 cfm	2282	Btuh
Internal gain		3320	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		23769	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		4481	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		800	Btuh
Total latent gain		5281	Btuh
TOTAL HEAT GAIN		29049	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 4/9/09 ERAN BEGINSLEY

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Buddy Slay

Project Title:
902051BuddySlay

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

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

4/9/2009

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

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, SHGC=0.5, Metal, 0.30	NW	60.0	11.1	666 Btuh
2	2, SHGC=0.5, Metal, 0.30	NE	20.0	11.1	222 Btuh
3	2, SHGC=0.5, Metal, 0.30	NW	20.0	11.1	222 Btuh
4	2, SHGC=0.5, Metal, 0.30	NW	36.0	11.1	400 Btuh
5	2, SHGC=0.5, Metal, 0.30	SW	10.0	11.1	111 Btuh
6	2, SHGC=0.5, Metal, 0.30	NE	30.0	11.1	333 Btuh
7	2, SHGC=0.5, Metal, 0.30	SE	6.7	11.1	74 Btuh
8	2, SHGC=0.5, Metal, 0.30	SE	6.0	11.1	67 Btuh
9	2, SHGC=0.5, Metal, 0.30	SE	30.0	11.1	333 Btuh
10	2, SHGC=0.5, Metal, 0.30	NW	24.0	11.1	266 Btuh
Window Total			243(sqft)		2694 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete Blk,Hollow - Ext(0.15)	4.0	1486	5.5	8244 Btuh
2	Frame - Wood - Adj(0.09)	13.0	180	3.3	591 Btuh
Wall Total			1666		8835 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		10	12.9	130 Btuh
2	Insulated - Exterior		10	12.9	130 Btuh
3	Insulated - Adjacent		20	12.9	259 Btuh
4	Insulated - Exterior		20	12.9	259 Btuh
5	Insulated - Exterior		20	12.9	259 Btuh
Door Total			80		1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2655	1.2	3129 Btuh
Ceiling Total			2655		3129Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	234.7 ft(p)	43.7	10247 Btuh
Floor Total			235		10247 Btuh
Zone Envelope Subtotal:					25941 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.66	21636	238.0	9640 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				35581 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Buddy Slay
Lake City, FL

Project Title:
902051BuddySlay

Class 3 Rating
Registration No. 0
Climate: North

1/9/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible	35581 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	35581 Btuh

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Buddy Slay

Project Title:
902051BuddySlay

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

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

4/9/2009

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

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, SHGC=0.5, Metal, 0.30	NW	60.0		11.1	666 Btuh
2	2, SHGC=0.5, Metal, 0.30	NE	20.0		11.1	222 Btuh
3	2, SHGC=0.5, Metal, 0.30	NW	20.0		11.1	222 Btuh
4	2, SHGC=0.5, Metal, 0.30	NW	36.0		11.1	400 Btuh
5	2, SHGC=0.5, Metal, 0.30	SW	10.0		11.1	111 Btuh
6	2, SHGC=0.5, Metal, 0.30	NE	30.0		11.1	333 Btuh
7	2, SHGC=0.5, Metal, 0.30	SE	6.7		11.1	74 Btuh
8	2, SHGC=0.5, Metal, 0.30	SE	6.0		11.1	67 Btuh
9	2, SHGC=0.5, Metal, 0.30	SE	30.0		11.1	333 Btuh
10	2, SHGC=0.5, Metal, 0.30	NW	24.0		11.1	266 Btuh
Window Total			243(sqft)			2694 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk, Hollow - Ext(0.15)	4.0	1486		5.5	8244 Btuh
2	Frame - Wood - Adj(0.09)	13.0	180		3.3	591 Btuh
Wall Total			1666			8835 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		10		12.9	130 Btuh
2	Insulated - Exterior		10		12.9	130 Btuh
3	Insulated - Adjacent		20		12.9	259 Btuh
4	Insulated - Exterior		20		12.9	259 Btuh
5	Insulated - Exterior		20		12.9	259 Btuh
Door Total			80			1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2655		1.2	3129 Btuh
Ceiling Total			2655			3129Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	234.7 ft(p)		43.7	10247 Btuh
Floor Total			235			10247 Btuh
Zone Envelope Subtotal:						25941 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.66	21636	238.0		9640 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					35581 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Buddy Slay
Lake City, FL

Project Title:
902051BuddySlay

Class 3 Rating
Registration No. 0
Climate: North

1/9/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible	35581 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	35581 Btuh

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

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Buddy Slay

Project Title:
902051BuddySlay

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

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

4/9/2009

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

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.5, 0.30, None,N,N	NW	1.5ft	6ft.	60.0	0.0	60.0	16	39	2332	Btuh
2	2, SHGC=0.5, 0.30, None,N,N	NE	99ft.	10ft.	20.0	0.0	20.0	16	39	777	Btuh
3	2, SHGC=0.5, 0.30, None,N,N	NW	8.5ft	9.5ft	20.0	0.0	20.0	16	39	777	Btuh
4	2, SHGC=0.5, 0.30, None,N,N	NW	8.5ft	9ft.	36.0	0.0	36.0	16	39	1399	Btuh
5	2, SHGC=0.5, 0.30, None,N,N	SW	99ft.	9.5ft	10.0	10.0	0.0	16	41	157	Btuh
6	2, SHGC=0.5, 0.30, None,N,N	NE	1.5ft	6ft.	30.0	0.0	30.0	16	39	1166	Btuh
7	2, SHGC=0.5, 0.30, None,N,N	SE	9.66	11.5f	6.7	6.7	0.0	16	41	105	Btuh
8	2, SHGC=0.5, 0.30, None,N,N	SE	9.66	5ft.	6.0	6.0	0.0	16	41	94	Btuh
9	2, SHGC=0.5, 0.30, None,N,N	SE	1ft.	6ft.	30.0	4.1	25.9	16	41	1119	Btuh
10	2, SHGC=0.5, 0.30, None,N,N	NW	8.5ft	3ft.	24.0	0.0	24.0	16	39	933	Btuh
Window Total					243 (sqft)					8860 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Concrete Blk,Hollow - Ext	4.0/0.15			1486.3			2.6		3855 Btuh	
2	Frame - Wood - Adj	13.0/0.09			180.0			1.5		272 Btuh	
Wall Total						1666 (sqft)					4126 Btuh
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				10.0			9.8		98 Btuh	
2	Insulated - Exterior				10.0			9.8		98 Btuh	
3	Insulated - Adjacent				20.0			9.8		196 Btuh	
4	Insulated - Exterior				20.0			9.8		196 Btuh	
5	Insulated - Exterior				20.0			9.8		196 Btuh	
Door Total						80 (sqft)					784 Btuh
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			2655.0			1.7		4397 Btuh	
Ceiling Total						2655 (sqft)					4397 Btuh
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			235 (ft(p))			0.0		0 Btuh	
Floor Total						234.7 (sqft)					0 Btuh
Zone Envelope Subtotal:										18167 Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load	
	SensibleNatural	0.34			21636			122.6		2282 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	4			X 230 +			2400		3320 Btuh		
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
Sensible Zone Load										23769 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Buddy Slay
Lake City, FL

Project Title:
902051BuddySlay

Class 3 Rating
Registration No. 0
Climate: North

4/9/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	23769 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	23769 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	23769 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4481 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5281 Btuh
	TOTAL GAIN	29049 Btuh

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Buddy Slay

Project Title:
902051BuddySlay

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

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

4/9/2009

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, SHGC=0.5, 0.30, None,N,N	NW	1.5ft	6ft.	60.0	0.0	60.0	16	39	2332	Btuh	
2	2, SHGC=0.5, 0.30, None,N,N	NE	99ft.	10ft.	20.0	0.0	20.0	16	39	777	Btuh	
3	2, SHGC=0.5, 0.30, None,N,N	NW	8.5ft	9.5ft	20.0	0.0	20.0	16	39	777	Btuh	
4	2, SHGC=0.5, 0.30, None,N,N	NW	8.5ft	9ft.	36.0	0.0	36.0	16	39	1399	Btuh	
5	2, SHGC=0.5, 0.30, None,N,N	SW	99ft.	9.5ft	10.0	10.0	0.0	16	41	157	Btuh	
6	2, SHGC=0.5, 0.30, None,N,N	NE	1.5ft	6ft.	30.0	0.0	30.0	16	39	1166	Btuh	
7	2, SHGC=0.5, 0.30, None,N,N	SE	9.66	11.5f	6.7	6.7	0.0	16	41	105	Btuh	
8	2, SHGC=0.5, 0.30, None,N,N	SE	9.66	5ft.	6.0	6.0	0.0	16	41	94	Btuh	
9	2, SHGC=0.5, 0.30, None,N,N	SE	1ft.	6ft.	30.0	4.1	25.9	16	41	1119	Btuh	
10	2, SHGC=0.5, 0.30, None,N,N	NW	8.5ft	3ft.	24.0	0.0	24.0	16	39	933	Btuh	
Window Total						243 (sqft)					8860 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load		
1	Concrete Blk,Hollow - Ext	4.0/0.15			1486.3			2.6		3855 Btuh		
2	Frame - Wood - Adj	13.0/0.09			180.0			1.5		272 Btuh		
Wall Total						1666 (sqft)					4126 Btuh	
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Exterior				10.0			9.8		98 Btuh		
2	Insulated - Exterior				10.0			9.8		98 Btuh		
3	Insulated - Adjacent				20.0			9.8		196 Btuh		
4	Insulated - Exterior				20.0			9.8		196 Btuh		
5	Insulated - Exterior				20.0			9.8		196 Btuh		
Door Total						80 (sqft)					784 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0			2655.0			1.7		4397 Btuh		
Ceiling Total						2655 (sqft)					4397 Btuh	
Floors	Type	R-Value			Size			HTM		Load		
1	Slab On Grade	0.0			235 (ft(p))			0.0		0 Btuh		
Floor Total						234.7 (sqft)					0 Btuh	
Zone Envelope Subtotal:										18167 Btuh		
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load		
	SensibleNatural	0.34			21636			122.6		2282 Btuh		
Internal gain	Occupants			Btuh/occupant			Appliance		Load			
	4			X 230 +			2400		3320 Btuh			
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh		
Sensible Zone Load										23769 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Buddy Slay
Lake City, FL

Project Title:
902051BuddySlay

Class 3 Rating
Registration No. 0
Climate: North

4/9/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	23769 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	23769 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	23769 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4481 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5281 Btuh
	TOTAL GAIN	29049 Btuh

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



For Florida residences only

Residential Window Diversity

MidSummer

Buddy Slay
Lake City, FL

Project Title:
902051BuddySlay

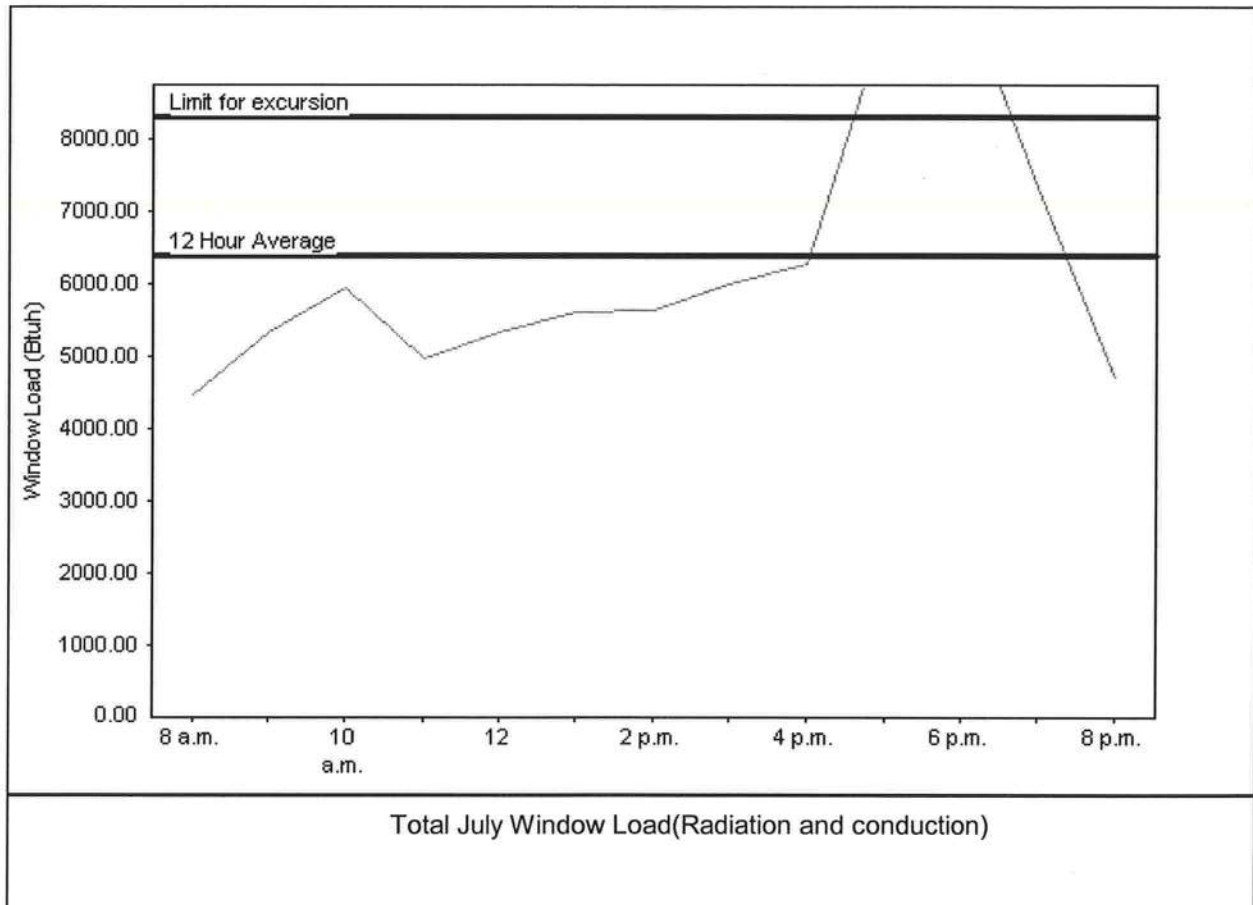
Class 3 Rating
Registration No. 0
Climate: North

4/9/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	6392 Btuh
Summer setpoint	75 F	Peak window load for July	10011 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	8309 Btuh
Latitude	29 North	Window excursion (July)	1702 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY:

DATE: 4/9/09 EVAN DEANSLEY

EnergyGauge® FLR2PB v4.1





**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIRMENTS**

6-25-09

**MINIMUM PLAN REQUIREMENTS FOR THE
FLORIDA BUILDING CODE RESIDENTIAL 2007 EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009, ONE (1) AND TWO (2) FAMILY DWELLINGS
with Supplements and Revision, OF THE NATIONAL ELECTRICAL 2008**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007
FLORIDA BUILDING CODES RESIDENTIAL EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009. ALL PLANS OR DRAWINGS SHALL
PROVIDE 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 SPEEDS ARE PER
FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind
speed map) SHALL BE USED.**

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

**GENERAL REQUIREMENTS:
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

Items to Include-
Each Box shall be
Circled as
Applicable

		Yes	No	N/A
1	Two (2) complete sets of plans containing the following:	☒		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	☒		
3	Condition space (Sq. Ft.) <u>2404</u>			
	Total (Sq. Ft.) under roof <u>3154</u>			

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	☒		
5	Dimensions of all building set backs			
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.			
7	Provide a full legal description of property.	☒		

Wind-load Engineering Summary, calculations and any details required

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIIII	IIII	IIIIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifiically designed by the registered design professional.	✓		

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys			✓
18	Location and size of skylights with Florida Product Approval			✓
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak			

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade			✓
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBCR 613.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	✓		
25	Safety glazing of glass where needed			✓
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)			✓
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
---	--	--	--	--

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.			✓
32	Assumed load-bearing value of soil _____ Pound Per Square Foot			
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3			

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓		

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Sub mit other approved termite protection methods. Protection shall be provided by registered termiticides	✓		
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FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type			✓
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement			✓

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers			✓
42	Attachment of joist to girder			✓
43	Wind load requirements where applicable			✓
44	Show required under-floor crawl space			✓

45	Show required amount of ventilation opening for under-floor spaces			✓
46	Show required covering of ventilation opening			✓
47	Show the required access opening to access to under-floor spaces			✓
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing			✓
49	Show Draftstopping, Fire caulking and Fire blocking			✓
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309			✓
51	Provide live and dead load rating of floor framing systems (psf).			✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing	✓		
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	✓		
67	Valley framing and support details	✓		
68	Provide dead load rating of rafter system	✓		

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assemblies covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering	✓		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. **Two of the required forms are to be submitted, N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure			
74	Attic space	✓		
75	Exterior wall cavity	✓		
76	Crawl space			✓

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	✓		
78	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	✓		
79	Show clothes dryer route and total run of exhaust duct			

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan		✓	
81	Show the location of water heater	✓		

Private Potable Water

82	Pump motor horse power			✓
83	Reservoir pressure tank gallon capacity			✓
84	Rating of cycle stop valve if used			✓

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	✓		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	✓		
87	Show the location of smoke detectors & Carbon monoxide detectors	✓		
88	Show service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. <i>UNDERGROUND</i> For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3			
90	Appliances and HVAC equipment and disconnects	✓		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter , Protection device.	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	City of Lake City A permit showing an approved waste water sewer tap			✓
96	Toilet facilities shall be provided for all construction sites	✓		
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓

98	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			✓
100	A development permit will also be required. Development permit cost is \$50.00			
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.			
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125			

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department

PRODUCT APPROVAL SPECIFICATION

SHEET

Location: _____

Project Name: _____

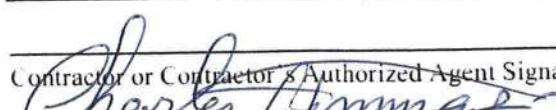
As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other	VENTTRA	EXTERIOR DOOR	FL1378.3
B. WINDOWS			
1. Single hung	ATRIUM	WINDOWS	FL8710-R1
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed	ATRIUM	WINDOWS	FL8381-R1
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion	ATRIUM	WINDOWS	FL11151
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits	ALCOA	SOFFITS	FL11191
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	CERTAINTEED	ASPHALT SHINGLES	FL5444-R1
2. Underlayments	CERTAINTEED	UNDERLAYMENT	FL3455-R2
3. Roofing Fasteners	SIMPSON	ANCHORS	FL2355-R3
4. Non-structural Metal			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	SIMPSON	WOOD CONNECTORS	FL 9589-R1
2. Truss plates	ITW Bldg Corp	TRUSS PLATES	FL 1999-R3
3. Engineered lumber	GEORGIA-PACIFIC	LAMINATED BEAM	FL 1008-R1
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature


CHARLES TIMMONS
 Print Name

8/27/09
 Date

17
**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001756**

DATE: 09/04/2009

BUILDING PERMIT NO. 28055

APPLICANT TRAVIS TIMMONS

PHONE 752-0375

ADDRESS 641 NW HARRIS LAKE DR.

LAKE CITY

FL 32055

OWNER MARVIN & MARY SLAY

PHONE 754-0304

ADDRESS 694 NW FAIRWAY DRIVE

LAKE CITY

FL 32055

CONTRACTOR TRAVIS TIMMONS

PHONE 752-0375

LOCATION OF PROPERTY 90W, TR ON COMMERCE BLVD., BECOMES FAIRWAY DR., 6TH LOT ON
LEFT PAST EGRET

SUBDIVISION/LOT/BLOCK/PHASE/UNIT FAIRWAY VIEW

19

PARCEL ID # 27-3S-16-02309-019

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA
COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: *Travis Timmons*

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE
CULVERT WAIVER IS:

✓ APPROVED

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: N/A

SIGNED: *Paul McLeister*

DATE: 9/14/09

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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



CERTIFICATE OF OCCUPANCY

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 27-3S-16-02309-019

Building permit No. 000028055

Use Classification SFD, UTILITY

Fire: 51.36

Permit Holder TRAVIS TIMMONS

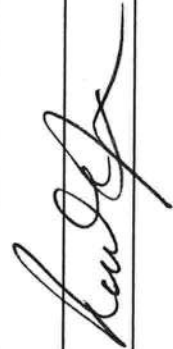
Waste: 134.00

Owner of Building MARVIN & MARY SLAY

Total: 185.36

Location: 694 NW FAIRWAY DRIVE, LAKE CITY, FL

Date: 02/23/2010



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



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: ITQ18228Z0117140904

Truss Fabricator: Anderson Truss Company
 Job Identification: 9-065--OWNER BUILDER Buddy Stay -- , **

Truss Count: 53
 Model Code: Florida Building Code
 Truss Criteria: FBC2007Res/TPI-2002(STD)
 Engineering Software: Alpine Software, Version 8.07.
 Structural Engineer of Record: The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC
 Roof - 40.0 PSF @ 1.25 Duration
 Floor - N/A
 Wind - 110 MPH ASCE 7-05 - 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: HCU8R8228

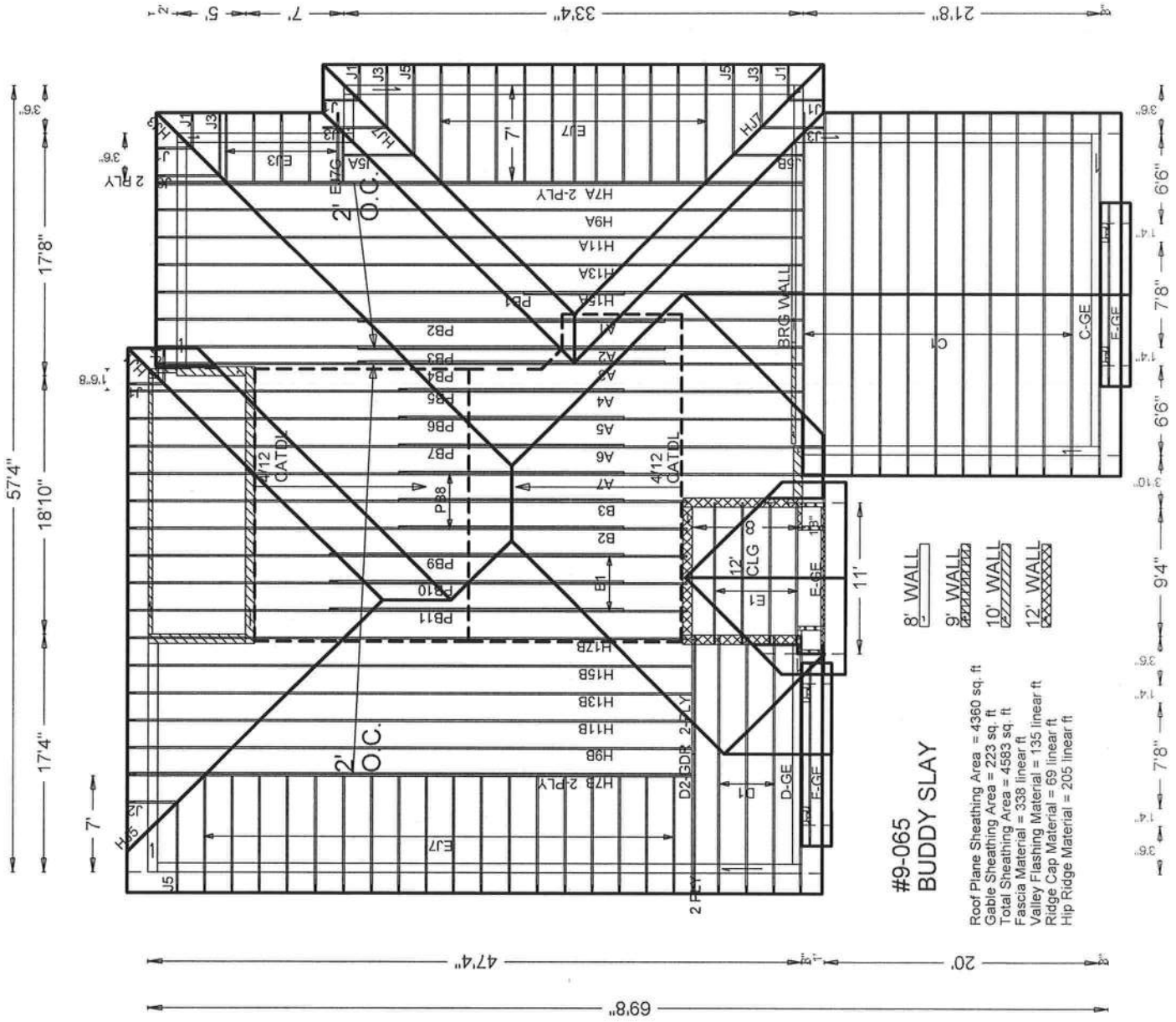
-Truss Design Engineer-
 Doug Fleming
 Florida License Number: 66648
 1950 Marley Drive
 Haines City, FL 33844

Seal Date: 03/17/2009

#	Ref	Description	Drawing#	Date
1	18057--A4	09076041	03/17/09	
2	18058--H7A	09076053	03/17/09	
3	18059--H9A	09076001	03/17/09	
4	18060--H1A	09076002	03/17/09	
5	18061--H13A	09076003	03/17/09	
6	18062--H15A	09076004	03/17/09	
7	18063--A1	09076011	03/17/09	
8	18064--A2	09076005	03/17/09	
9	18065--A3	09076012	03/17/09	
10	18066--A5	09076013	03/17/09	
11	18067--A6	09076014	03/17/09	
12	18068--A7	09076015	03/17/09	
13	18069--H7B	09076042	03/17/09	
14	18070--H9B	09076016	03/17/09	
15	18071--H1B	09076017	03/17/09	
16	18072--H13B	09076018	03/17/09	
17	18073--H15B	09076019	03/17/09	
18	18074--H17B	09076020	03/17/09	
19	18075--B1	09076021	03/17/09	
20	18076--B2	09076022	03/17/09	
21	18077--B3	09076023	03/17/09	
22	18078--C1	09076006	03/17/09	
23	18079--C-GE	09076043	03/17/09	
24	18080--D2-GDR	09076044	03/17/09	
25	18081--D1	09076007	03/17/09	
26	18082--D-GE	09076045	03/17/09	
27	18083--E-GE	09076046	03/17/09	
28	18084--E1	09076008	03/17/09	
29	18085--F-GE	09076047	03/17/09	
30	18086--J1	09076024	03/17/09	
31	18087--H7	09076048	03/17/09	
32	18088--HJ3	09076049	03/17/09	
33	18089--HJ1	09076050	03/17/09	
34	18090--J3	09076025	03/17/09	
35	18091--EJ3	09076026	03/17/09	
36	18092--J5	09076009	03/17/09	

#	Ref	Description	Drawing#	Date
37	18093--HJ5	09076051	03/17/09	
38	18094--J5A	09076027	03/17/09	
39	18095--EJ7G	09076052	03/17/09	
40	18096--J5B	09076028	03/17/09	
41	18097--EJ7	09076029	03/17/09	
42	18098--J2	09076010	03/17/09	
43	18099--PB1	09076030	03/17/09	
44	18100--PB2	09076031	03/17/09	
45	18101--PB4	09076032	03/17/09	
46	18102--PB3	09076033	03/17/09	
47	18103--PB5	09076034	03/17/09	
48	18104--PB6	09076035	03/17/09	
49	18105--PB7	09076036	03/17/09	
50	18106--PB8	09076037	03/17/09	
51	18107--PB9	09076038	03/17/09	
52	18108--PB10	09076039	03/17/09	
53	18109--PB11	09076040	03/17/09	





(9-065--OWNER BUILDER Buddy Stay --, ** - A4)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 : W4 2x4 SP #2 Dense:
:Rt Wedge 2x4 SP #3:

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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 GCpt(+/-)=0.18

Wind reactions based on MMFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.18" due to live load and 0.20" due to dead load.

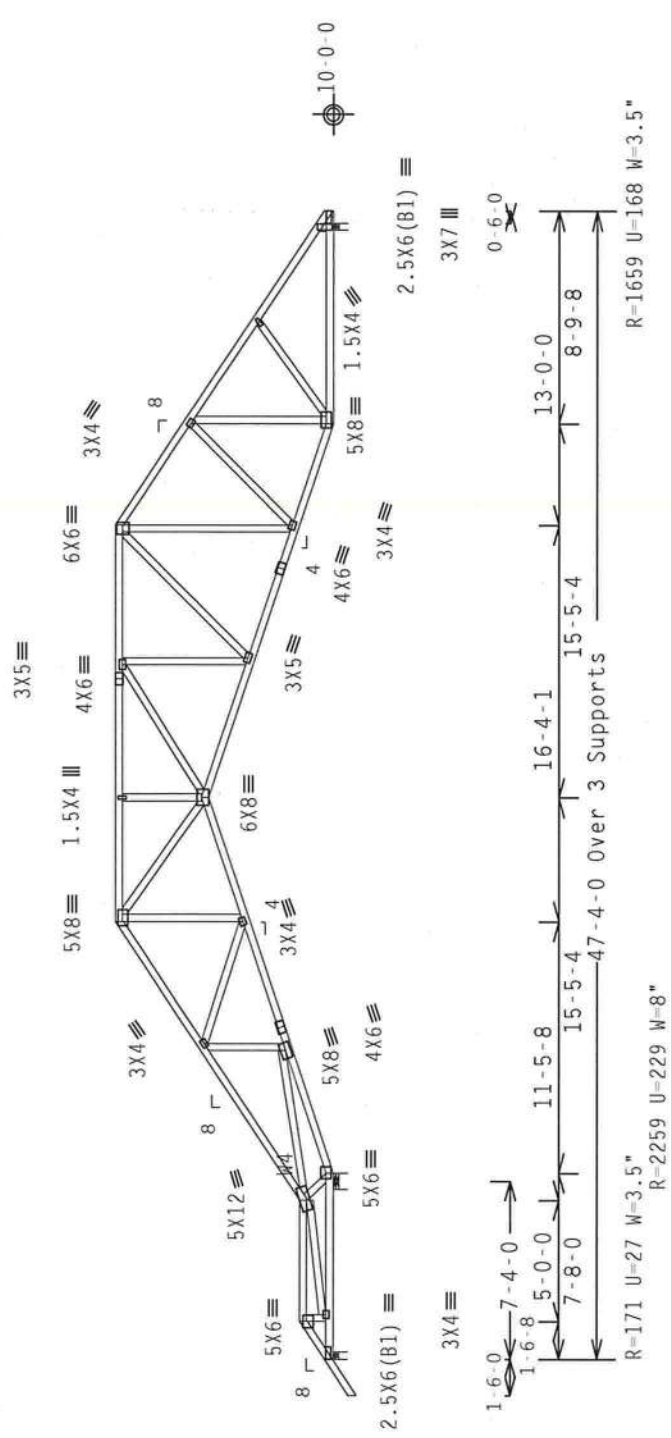
Deflection meets L/240 live and L/180 total load.

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

SPECIAL LOADS

TC - From	DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)	64 PLF at 1.50 to	64 PLF at 1.54
TC - From		64 PLF at 1.54 to	64 PLF at 6.54
TC - From		64 PLF at 6.54 to	64 PLF at 18.00
TC - From		64 PLF at 18.00 to	64 PLF at 34.34
TC - From		64 PLF at 34.34 to	64 PLF at 47.33
BC - From		5 PLF at 1.50 to	5 PLF at 0.00
BC - From		20 PLF at 0.00 to	20 PLF at 7.67
BC - From		21 PLF at 7.67 to	21 PLF at 23.10
BC - From		21 PLF at 23.10 to	21 PLF at 38.54
BC - From		20 PLF at 38.54 to	20 PLF at 47.33
TC -	-14 LB Conc. Load at	1.76	
BC -	-12 LB Conc. Load at	1.76	

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



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0-578

PLT TYP. Wave	QTY: 1	FL / - / 4 / - / R / -	Scale = .125" / Ft.
	TC LL	20.0 PSF	REF R8228- 18057
	TC DL	10.0 PSF	DATE 03/17/09
	BC DL	10.0 PSF	DRW HCUSR8228 09076041
	BC LL	0.0 PSF	HC-ENG JB/DF
	TOT.LD.	40.0 PSF	SEQN- 8687
	DUR.FAC.	1.25	FROM AH
	SPACING	24.0"	JREF- 1T018228Z01

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

Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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

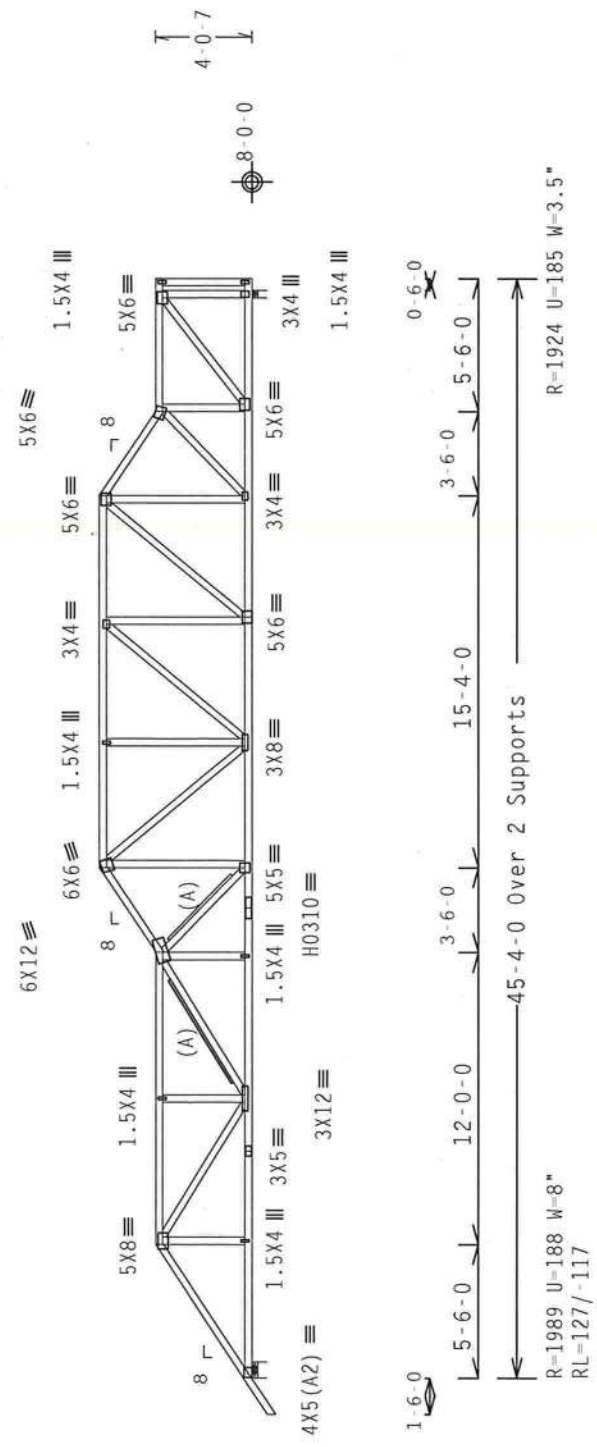
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



110 mph wind, 15.00 ft mean ht., ASCE 7-05, 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, wind BC DL=5.0 psf. $I_w=1.00$ GCp1 (+/-) = 0.18

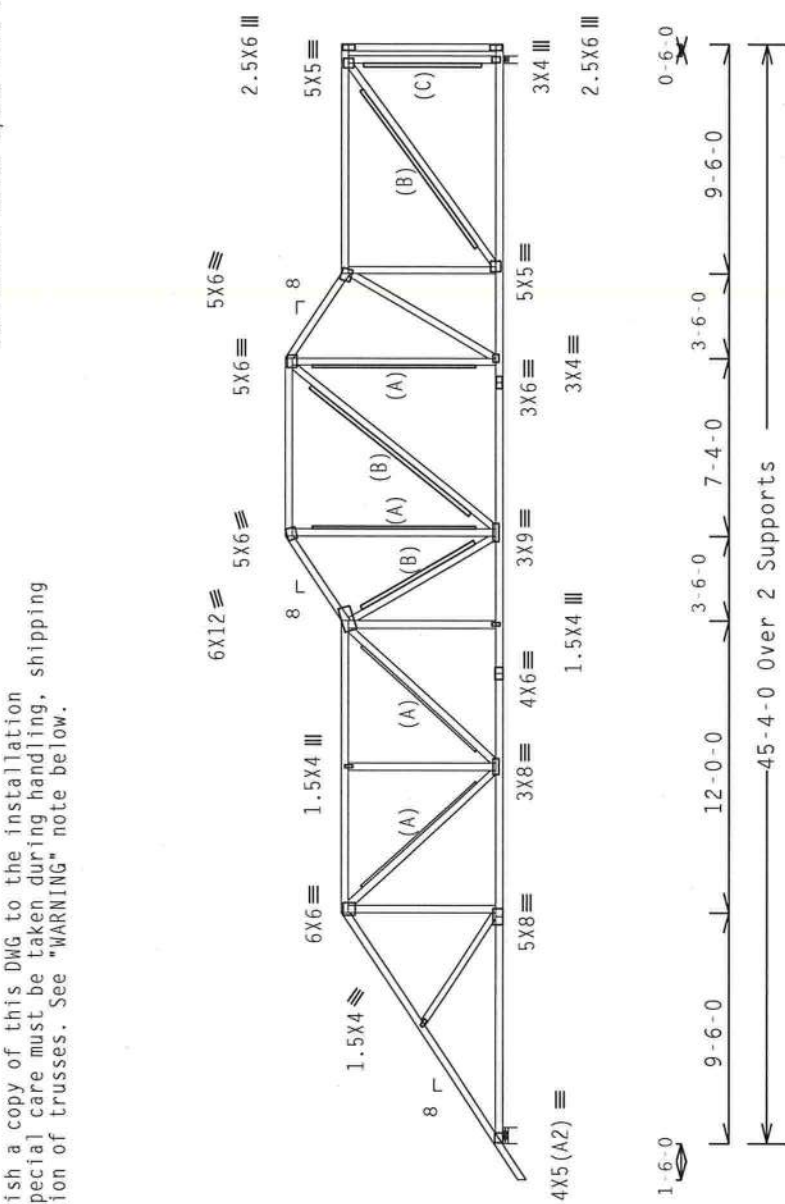
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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

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



R=1924 U=191 W=3.5"

R=1989 U=174 W=8"
RL=169/-140

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

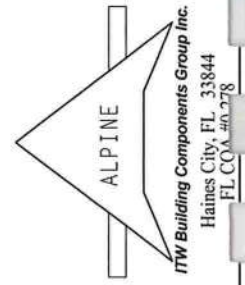
QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

TC LL	20.0 PSF	REF	R8228 - 18061
TC DL	10.0 PSF	DATE	03/17/09
BC DL	10.0 PSF	DRW	HCUSR8228 09076003
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT.LD.	40.0 PSF	SEQN -	8570
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1T018228Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT INFORMATION, PUBLISHED BY TRF (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAIL OR FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PSA) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 2018/18/16GA. OR 2018/PSA ASTM A653 GRADE 40/60 (K/PSI) GALV. STEEL. APPLICABLE 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 ANNEX A OF TPI-2009 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



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

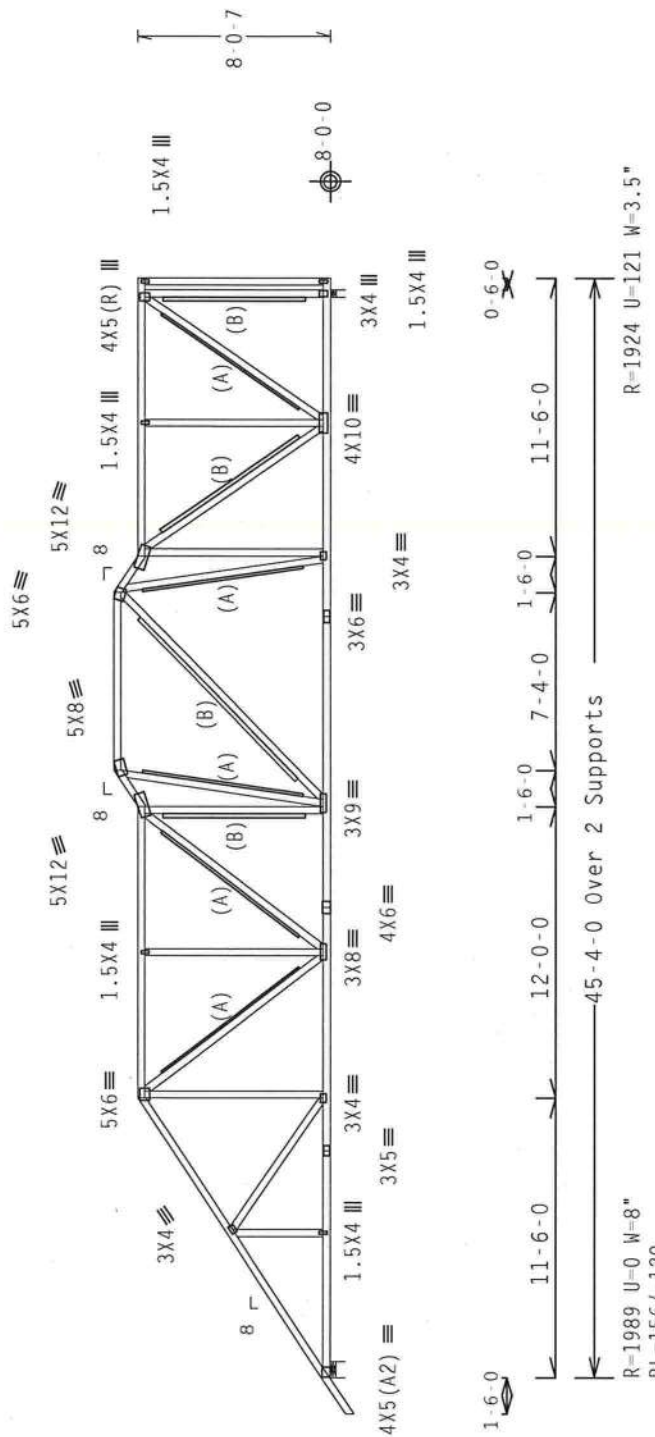
Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web
Right end vertical not exposed to wind pressure.

(B) 2x6 #3 or better "T" brace. 80% length of web member. Attached to web member with 3/8" dia. bolts. 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



Design Crit:	FBC2007Res/TPI-2002(STD)	FT/RT=10%(0%)/0(0)	8.

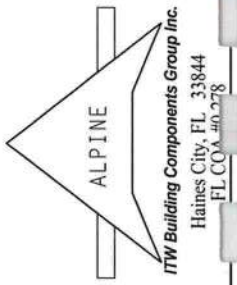
7.00	QTY:1	FL/- /4/- /- /R/-	Scale =.125"/Ft.
	TC LL	20.0 PSF	REF R8228- 18062
	TC DL	10.0 PSF	DATE 03/17/09
	BC DL	10.0 PSF	DRW HCUSR8228 09076004
	BC LL	0.0 PSF	HC-ENG JB/DF
	TOT.L.D.	40.0 PSF	SEQN- 8580
	DUR.FAC.	1.25	FROM AH
		SPACING 24.0"	JREF- 1TQ18228Z01



****IMPORTANT**** Furnish a copy of this design to the installation contractor thru BEC, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY ATTEMPT TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN REQUIREMENTS WITHOUT THE INSTALLATION CONTRACTOR'S PERMISSION IS PROHIBITED.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AISC/A) AND TPI-1. ALL CONNECTORS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AISC/A) AND TPI-1. CONNECTOR PLATES ARE MADE OF 2018/16GA. (MIL-H/SX/K) ASIN A653 GRADE 40/60 (4 / K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A OF TPI-1-2002 SEC. 3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOPS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI-1 SEC. 2.



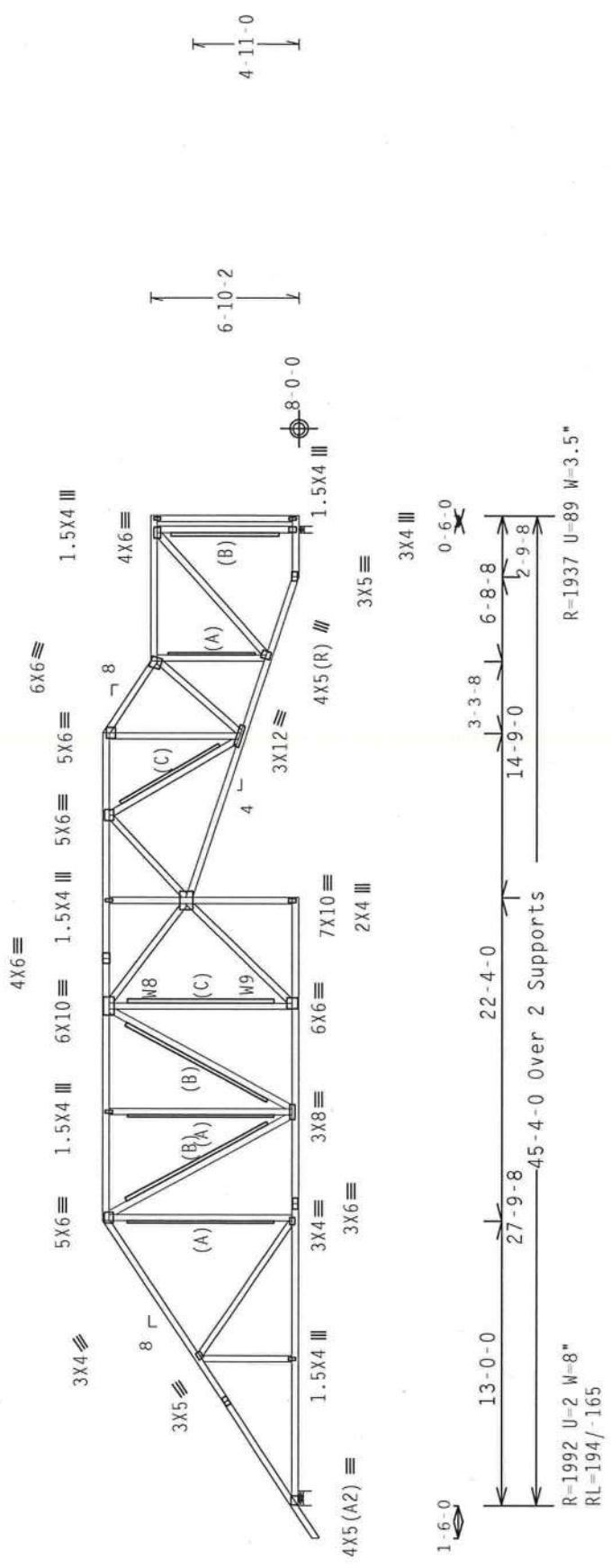
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W8, W9 2x4 SP #2 Dense:
Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.21" due to live load and 0.23" due to dead load.

(B) 2x4 #3 or better "I" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.
(C) 2x6 #3 or better "I" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi(+/-)=0.18
Wind reactions based on MWFRS pressures.
Right end vertical not exposed to wind pressure.
(A) 1x4 #3SRB SPF-S or better "I" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Deflection meets L/240 live and L/180 total load.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)



PLT TYP. Wave
Scale = .125"/Ft.
QTY: 1 FL/-/4/-/R/-
REF R8228- 18063
DATE 03/17/09
DRW HCUSR8228 09076011
HC-ENG JB/DF
SEQN- 8599
FROM AH
JREF- 1T018228Z01

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Haines City, FL 33844
FL COA #0278

110 mph wind, 15.00 ft mean hgt., ASCE 7-05, 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, wind BC DL=5.0 GCpi(+/-)=0.18

Wind reactions based on MwFRS pressures.

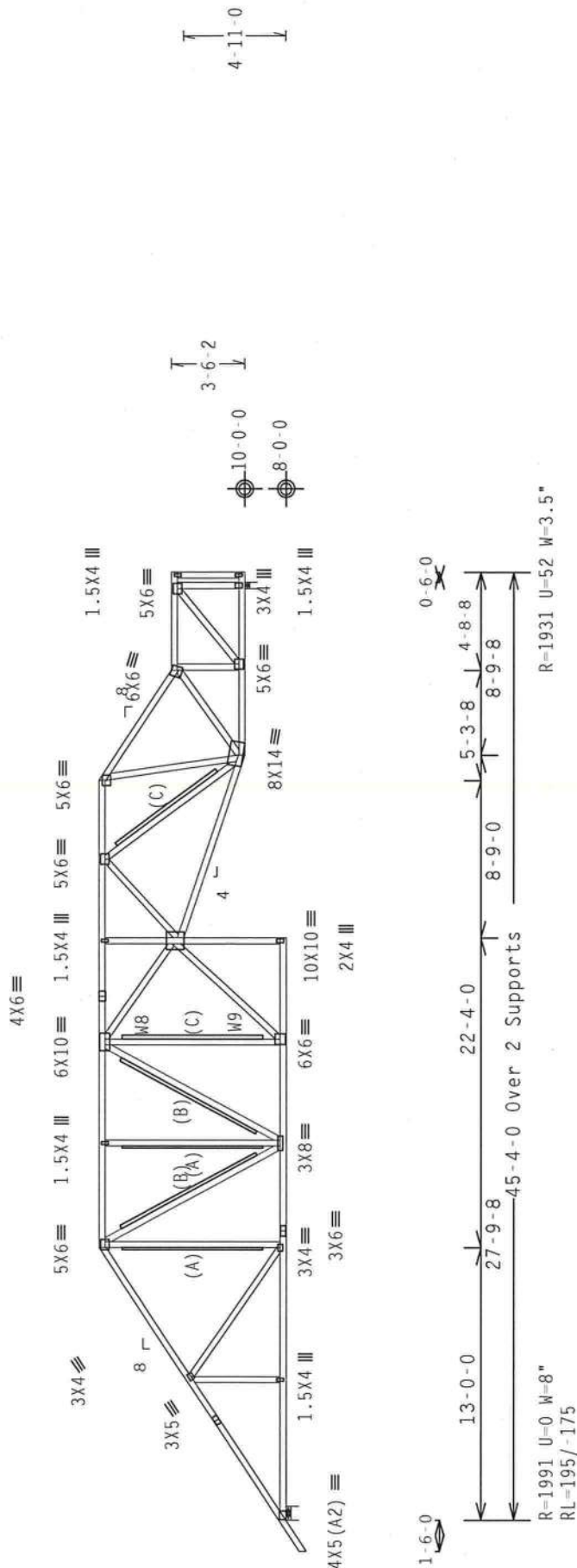
Right end vertical not exposed to wind pressure.

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

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

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

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



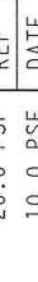
R=1991 U=0 W=8"
RL=195/-175

R=1931 U=52 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

QTY:1 FL/-/4/-/-/R/-
Scale = .125"/Ft.

PLT TYP. Wave

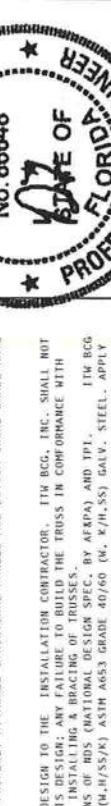


ALPINE

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Haines City, FL 33844
FL COA #0278

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (CROSS PLATE TRUSS), 218 WEST STREET, SUITE 317, ALBANY, NY, 12206, REGARDING THE PROPER PRACTICES FOR PERFORMING THE FUNCTION. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY INVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AREA) AND TPI. ITW BEG CORP. PLATES ARE MADE OF 20/18/16GA (N-0/SS/S) ASTM A653 GRADE 40/60 (N-2/0-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNER A3 OF TPI1 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.



17 '09

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 R8228 - 18064

DATE 03/17/09

DRW HCSUR8228 09076005

HC-ENG JB/DF

SEQN- 8623

FROM AH

JREF- 1T018228Z01

(**) 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 7-05, 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, wind BW=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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

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

Top chord 2x4 SP #2 Dense
 Bot chord 2x4 SP #2 Dense
 Webs 2x4 SP #3 :W8, W9, W11 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

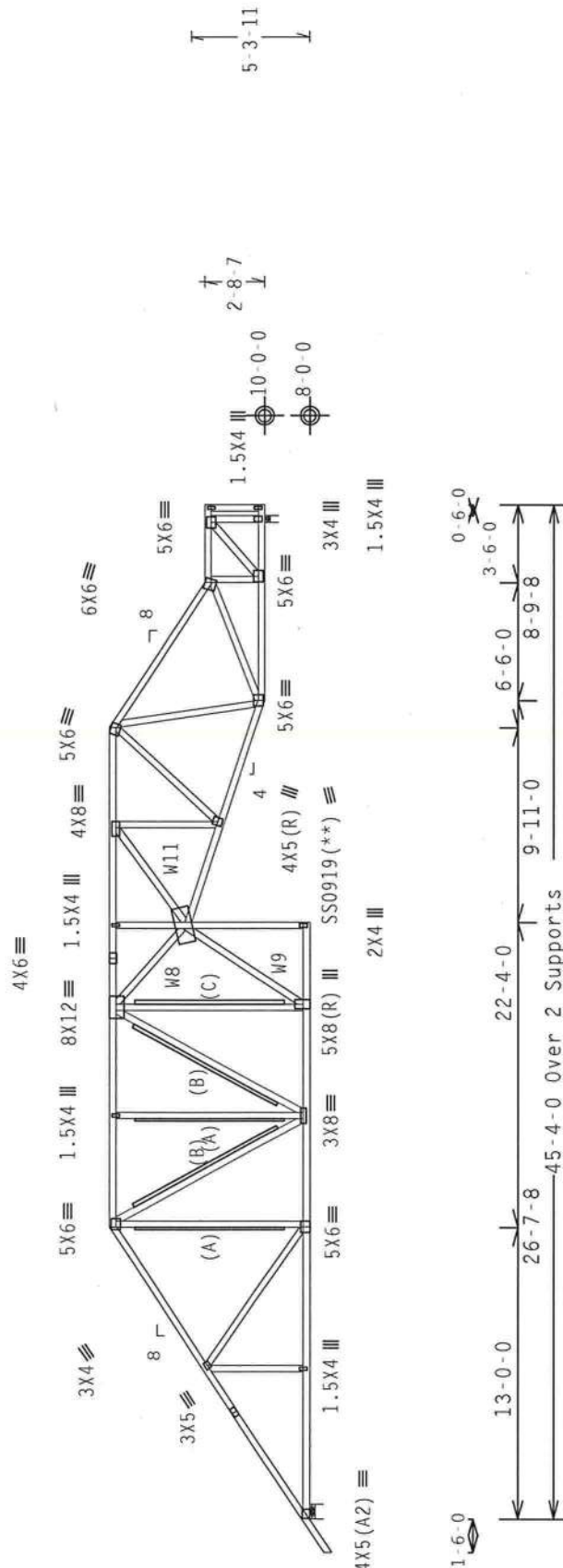
Calculated horizontal deflection is 0.23" due to live load and 0.26" due to dead load.

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

(C) 2x8 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=1932 U=26 W=3.5"

R=1992 U=0 W=8"
RL=204/-190

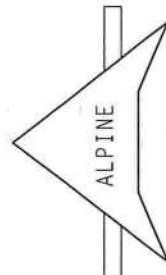
Design Crit: FBC2007Res/TPI - 2002 (STD)
FT/RT=10%(10%) / 0(0)

QTY:1 FL/-/4/-/-/R/-/ Scale = .125" / Ft.

TC LL	20.0	PSF	REF	R8228-	18065
TC DL	10.0	PSF	DATE	03/17/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09076012
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	8671	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TQ18228Z01	

[illegible]

IMPORTANT-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR FOR ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE ITH BCG DESIGN COORDINATING WITH THE FOLLOWING: 1) FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. 2) DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC.) BY AISC AND 1917. 3) ITH BCG PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. 4) INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TP11-2002 SEC.2. 5) SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNED BY ITH BCG. 6) THIS IS THE SAME DESIGN AS SHOWN ON THE PREVIOUS EDITION OF THIS DRAWING. 7) HOLDING DESIGNER PER AMER (TP11-2 SEC.2).



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

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

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.14" due to live load and 0.15" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

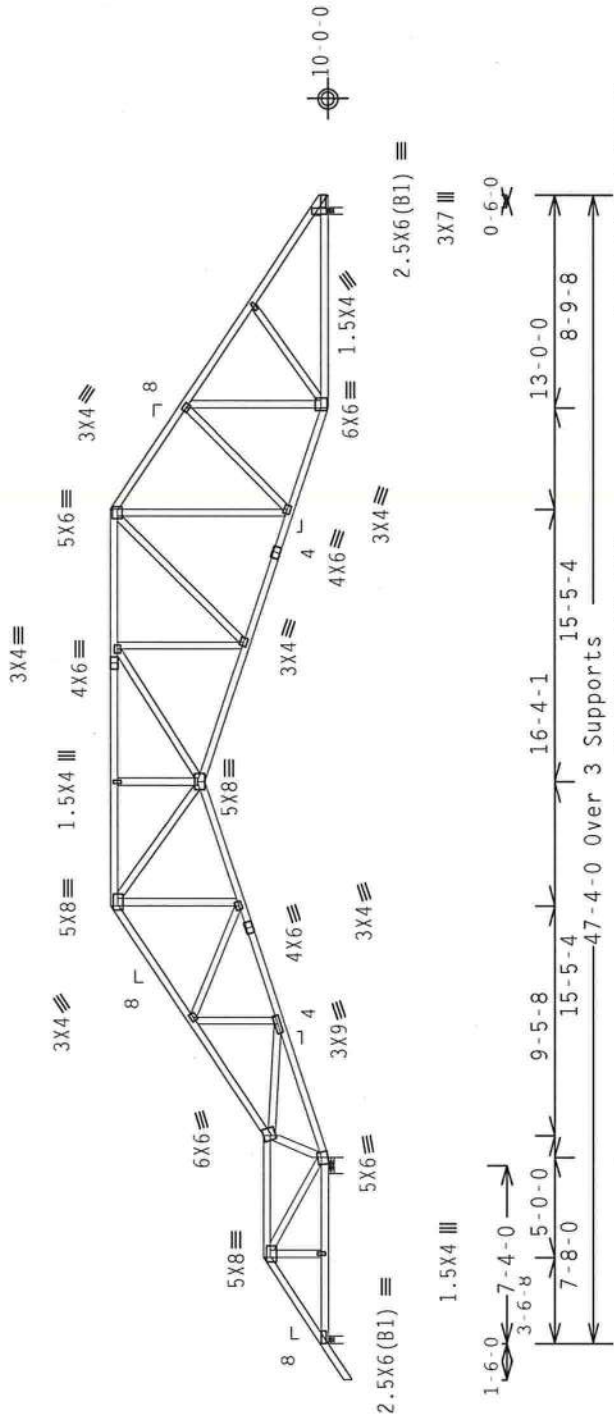
** Negative reaction(s) of -355# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. 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 (+/-)=0.55

Wind reactions based on MWFRS pressures.

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

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



R=-355 RW=76 U=175 W=3.5" ** R=2916 U=340 W=8"

RL=225/-239

R=1554 U=150 W=3.5"

PLT TYP. Wave

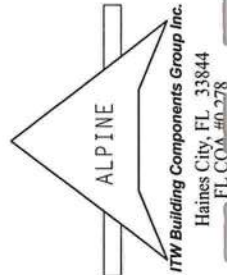
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

8.07.00

QTY:1 FL/- /4/- /- /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 TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PJ) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2019/16GA (4-H/SS/S) ASTM A653 GRADE 40/60 (4, 8/10, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FIG. 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 18066
TC DL	10.0 PSF	DATE	03/17/09
BC DL	10.0 PSF	DRW	HCUSR8228 09076013
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	8710
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T018228Z01

(9-065--OWNER BUILDER Buddy Slay --, ** - A6)

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

Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

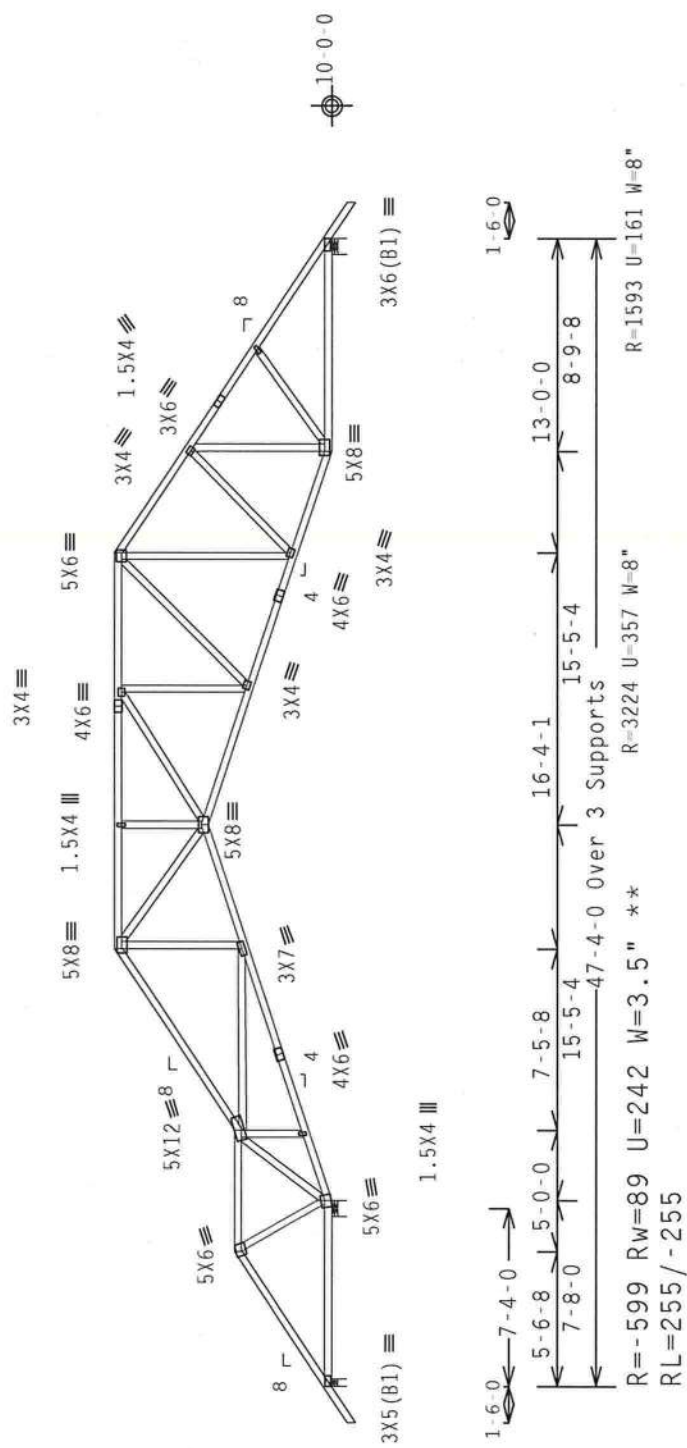
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

** Negative reaction(s) of -599# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind; 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind IC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(+/-)=0.55$

Wind reactions based on MWFRS pressures.

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



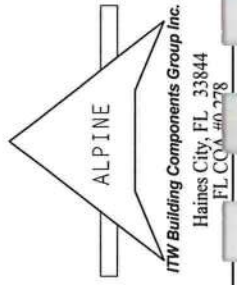
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave	QTY: 1		FL / - / 4 / - / - / R / -		Scale = .125" / Ft.	
	TC LL	20.0 PSF	TC DL	10.0 PSF	REF	R8228- 18067
	BC DL	10.0 PSF	BC LL	0.0 PSF	DATE	03/17/09
	TOT. LD.	40.0 PSF	DUR. FAC.	1.25	DRW	HCUSR8228 09076014
	SPACING	24.0"	FROM	AH	HC-ENG	JB/DF
					SEON-	8721
			JREF- 1T018228Z01			



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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ITW BCG FURNISHES THE PLATE FACTOR AND THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3.2. THE 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.



*** Negative reaction(s) of -944# MAX. (See below) from a non-wind Load case requires uplift connection.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART_ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC D=5.0 psf, wind BC DL=5.0 psf, wind BC DL=5.0 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

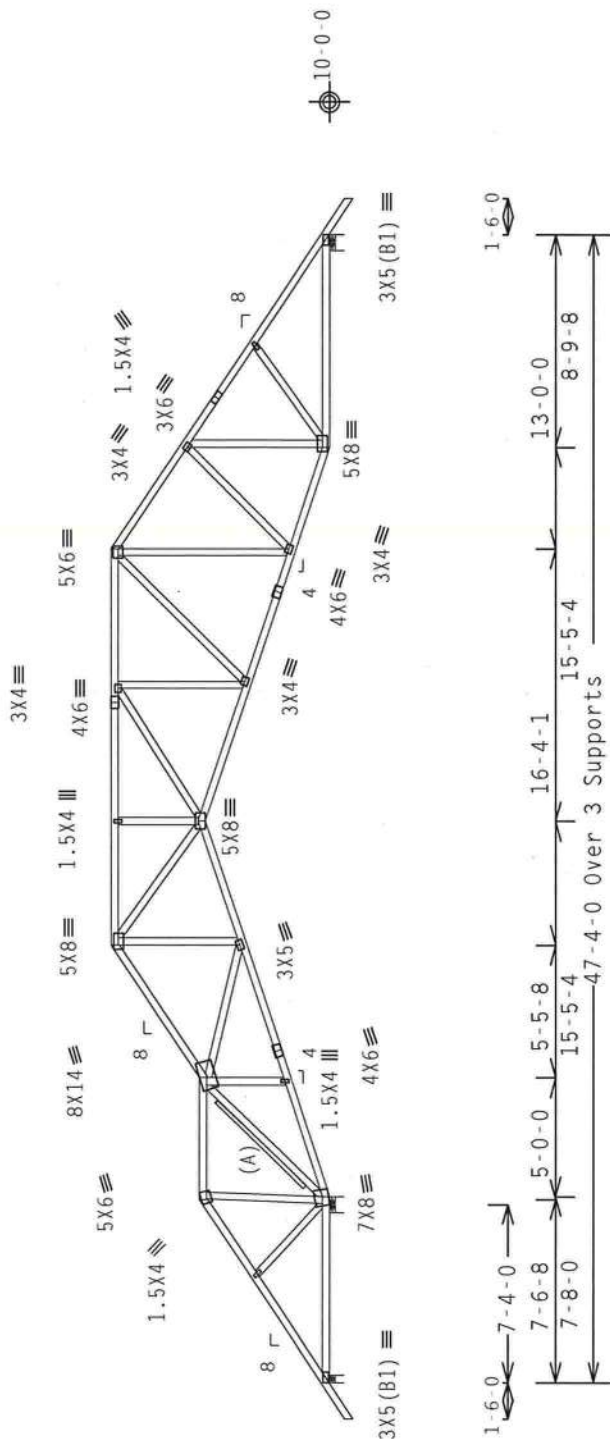
Bottom chord checked for 10.00 psf non-concurrent live load.

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

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

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



R=-944 R_w=126 U=372 W=3.5" **
RL=255 / -255

R=3635 II=402 W=8"

R=1527 U=163 W=8"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

00

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

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R8228 - 18068
TC DL	10.0 PSF	DATE	03/17/09
BC DL	10.0 PSF	DRW	HCUSR8228 09076015
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN -	8746
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TQ18228Z01



ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL CQ^A 40378[illegible]

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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

Wind reactions based on MWFRS pressures.
Roof overhang supports 2.00 psf soffit load.

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

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 65 PLF at 1.50 to 65 PLF at 0.00
TC - From 60 PLF at 0.00 to 60 PLF at 4.00
TC - From 126 PLF at 4.00 to 126 PLF at 39.33
BC - From 20 PLF at 0.00 to 20 PLF at 4.00
BC - From 44 PLF at 4.00 to 44 PLF at 39.33
BC - 400 LB Conc. Load at 4.00

2 COMPLETE TRUSSES REQUIRED

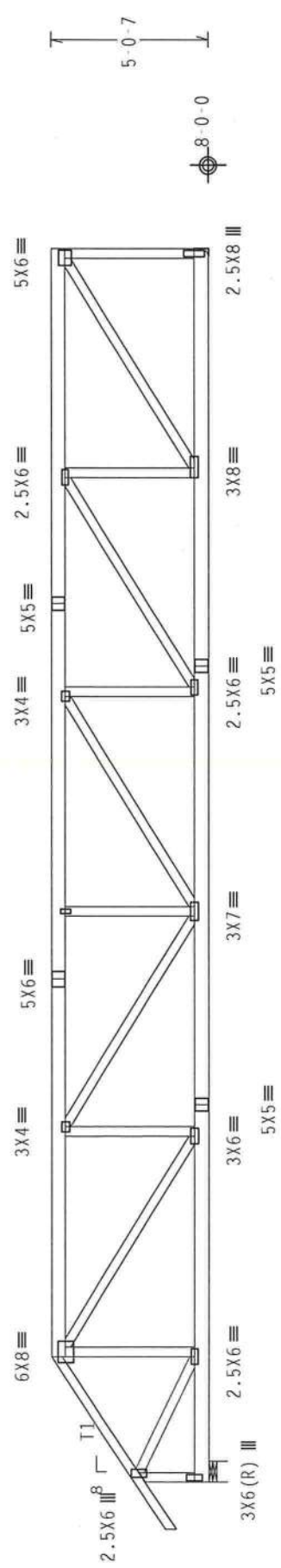
Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

End verticals not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

1.5X4



1'-6-0"

4'-0-0"

39'-4-0" Over 2 Supports

R-3446 U=370 W=8"

R-3347 U=339 H=Simpson HHUS26-2
w/ (6) 16d Common, 0.162"x3.5" nails in Truss
w/ (14) 16d Common, 0.162"x3.5" nails in Girder
Girder is (2)2X8 min. So.Pine

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

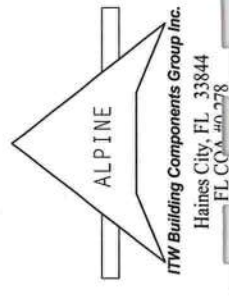
QTY: 1 FL/-4/-1-/R/- Scale = .1875"/Ft.



****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, 2318 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND MICA (WOOD TRUSS, COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, MI 48061) 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. THE BCSI, 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. THE BCSI CONNECTION PLATES ARE MADE OF 2018/10/2002 (A573M A573) ASH OR 2018/10/2002 (A573M A573) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PER ANNEK A3 OF TPI-2002 SEC. 2. THE BCSI DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R8228- 18069
TC DL	10.0 PSF	DATE	03/17/09
BC DL	10.0 PSF	DRW	HCUSR8228 09076042
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	8761 REV
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T018228Z01



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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

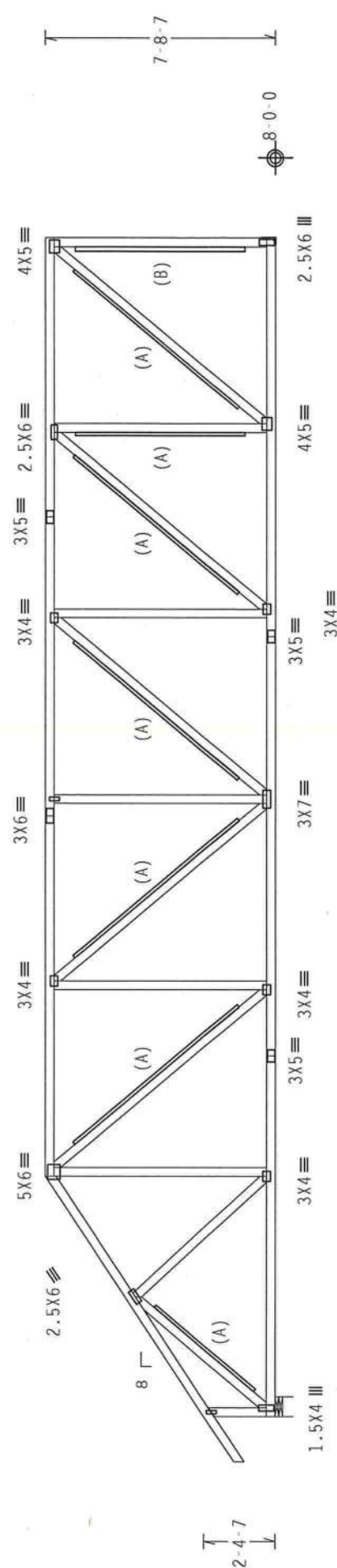
(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

1.5X4 III



2.5X6 (R) III

8'-0-0
31'-4-0
39'-4-0 Over 2 Supports

R-1758 U=154 W=8"
RL=177/-109

R-1651 U=184 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X0 min. (H)

Scale = .1875" / Ft.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

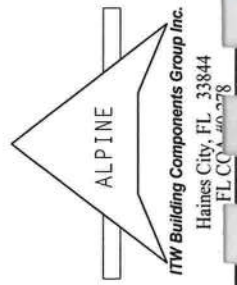


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND MICA (WOOD TRUSS CODE) OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/T666 (AL-7050) ALUMINUM 6061-T6 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING TECHNIQUE OF PLATES LONGER BY (1) SHALL BE PER AF&PA TPI-2002 (C-3). THE USER SHALL BE RESPONSIBLE FOR THE DESIGN SHOWN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R8228- 18071
TC DL	10.0 PSF	DATE	03/17/09
BC DL	10.0 PSF	DRW	HCUSR8228 09076017
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	8775
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T018228Z01



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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi (+/-) 0.18

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Roof overhang supports 2.00 psf soffit load.

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

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

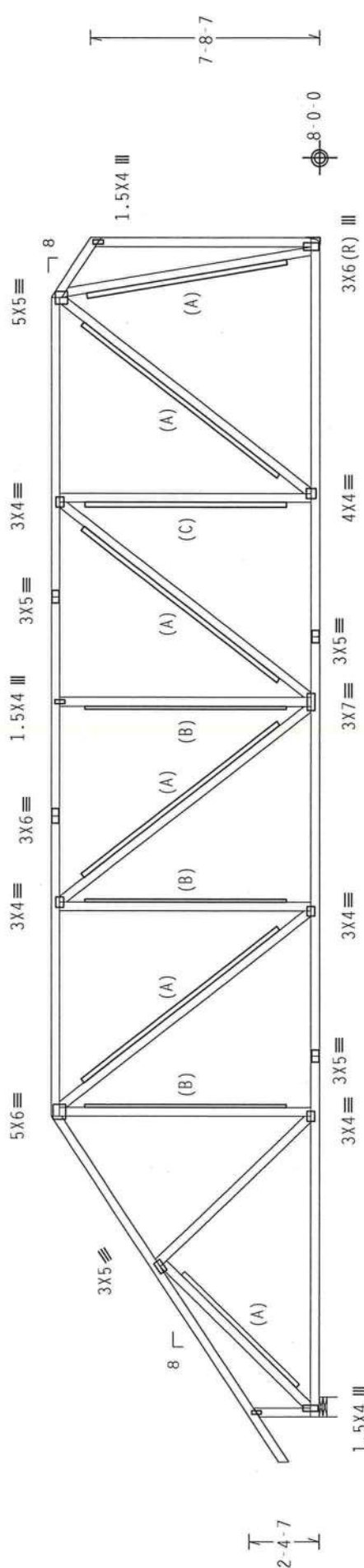
Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



2.5X6(R) III
1'-6-0

10'-0-0

27'-4-0

2'-0-0

39'-4-0 Over 2 Supports

R=1758 U=150 W=8"
RL=178/-139

R=1651 U=177 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X0 min. (H)

QTY: 1

FL/-4/-1-R/-

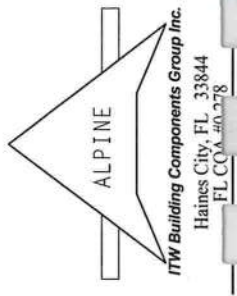
Scale = .1875"/Ft.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

****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), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/ASA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/19/16GA (0.0156") ASTM A505 GRADE 40/60 (N.Y./H.S.S) GALV. STEEL. APPLY PLATES EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. ADDITIONAL SPECIFICATIONS, ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 18072
TC DL	10.0 PSF	DATE	03/17/09
BC DL	10.0 PSF	DRW	HCUSR8228 09076018
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	8787
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T018228Z01

1110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-) -0.18

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

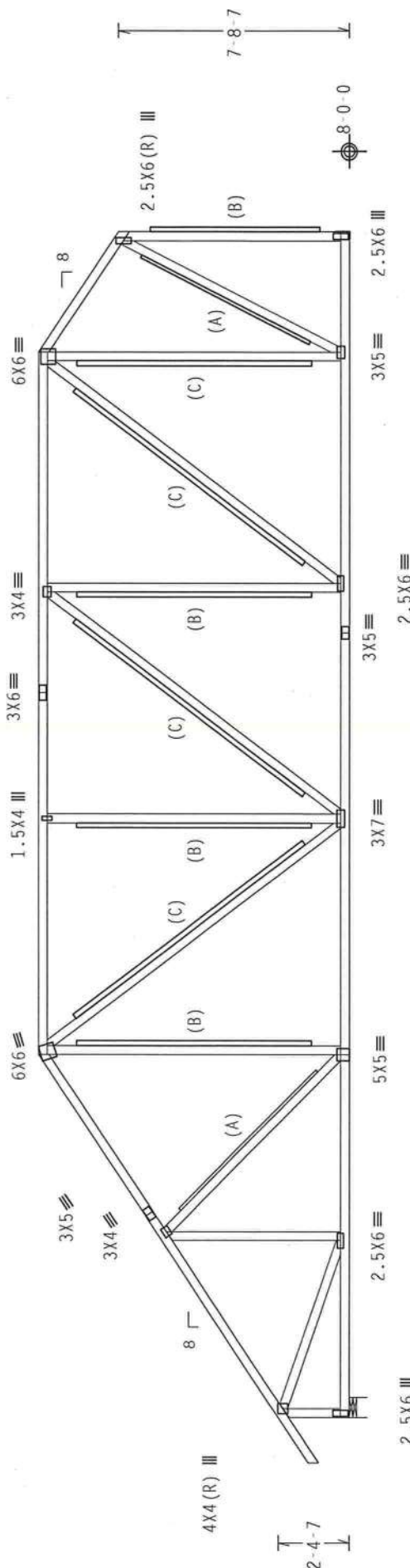
Roof overhang supports 2.00 psf soffit load.

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

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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



1-6-01

12-0-0

23-4-0

14-00000

39-4-0 Over 2 Supports

R=1758 U=5 W=8"

RL=182/-171

R=1651 U=55 H=Simpson HUS26

w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X0 min. (H)

PLT TYP: Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

8.07.00

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

Scale = .1875"/Ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING PRIOR TO BEING USED FOR ANY PURPOSE. FOR SAFETY INFORMATION, PUBLISHED BY CROSS PLATE INSTITUTE, 210 UNIVERSITY LANE, WADSWORTH, MA 01955, TEL. (508) 548-1100, FAX (508) 548-1101, WWW.CROSSPLATE.COM, OR ENTERPRISE LANE, WADSWORTH, MA 01955, TEL. (508) 548-1100, FAX (508) 548-1101, WWW.CROSSPLATE.COM. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELL.

****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TROUSS IN CONFORMANCE WITH THE FOLLOWING FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING REQUIREMENTS. ITW BCG DESIGNS ALL TRUSSES TO BE USED ON THESE PROJECTS. (MATERIAL SPECIFICATIONS PER AFIPPO AND TP1.)
CONNECTOR PLATES ARE MADE OF 20/19/16SS OR 27/25/18SS LOCATED AT 40/60 CM X 30/55 CM GAIN. STEEL APPLICATION PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE NOTED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROSS COMPONENT DESIGNER. THE SUBMITTAL 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

FLCQA 40378

JREF- 1TQ18228Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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.

(B) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

Shim all supports to solid bearing.

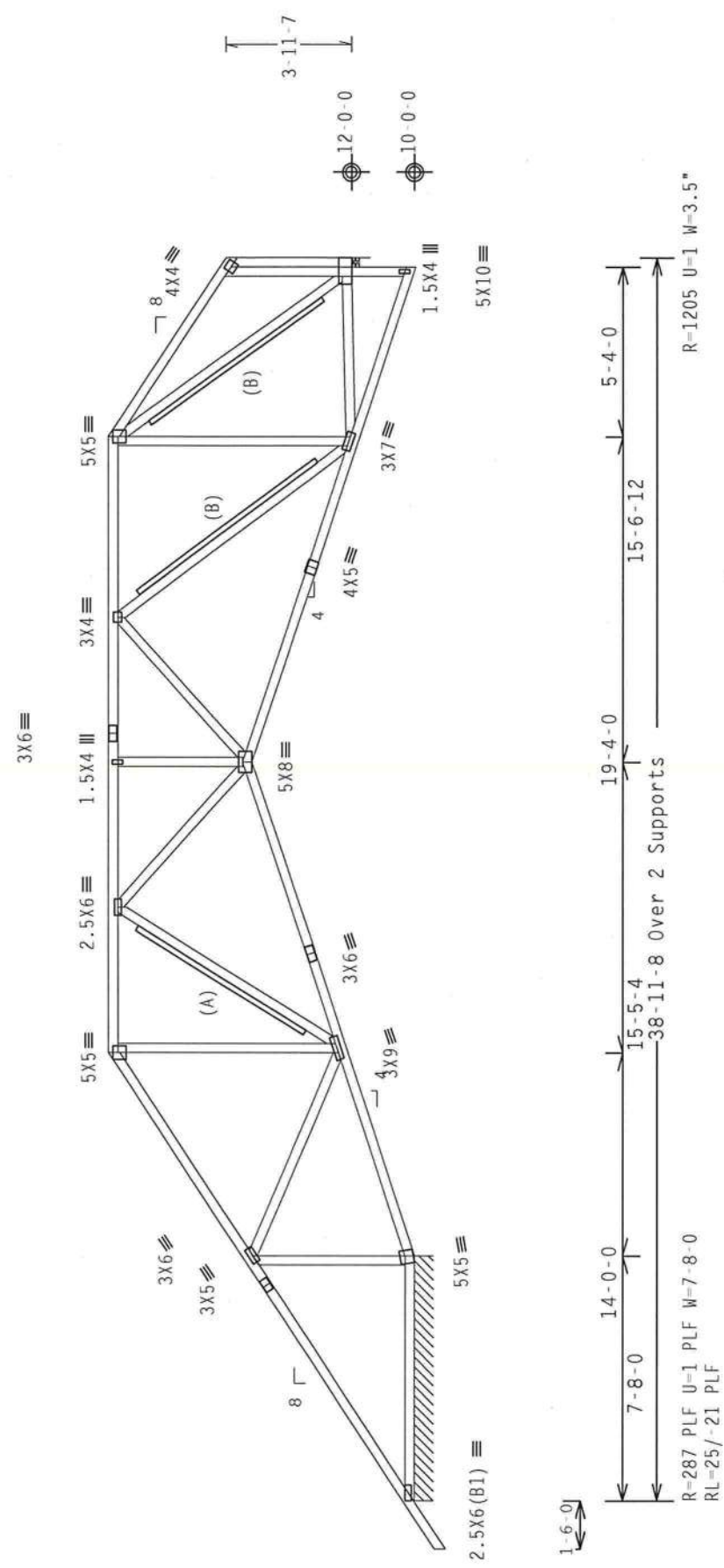
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

Roof overhang supports 2.00 psf soffit load.

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

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

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

Design Crit: FBC2007Res/TPI-2002 (STD)

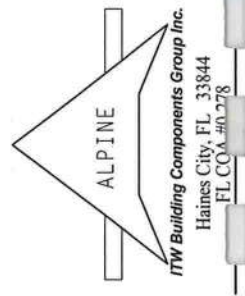
$$F_T/RT=10\%(0\%)/0(0)$$

QTY: 1	FL / - / 4 / - / - / R / -	Scale = .1875" / Ft.
TC LL	20.0 PSF	REF R8228- 18074
TC DL	10.0 PSF	DATE 03/17/09
BC DL	10.0 PSF	DRW HCUR8228 09076020
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 8832
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TQ18228Z01



****WARNING**** THUSSIS REQUIRES EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (THUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND UTCA (4000 THUSS, COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48319) 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-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. FOR STEEL, AND AISC STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TPI-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING SUFFICIENTLY 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 ANNEX TPI-1 SEC. 2.



Negative reaction(s) of -219# MAX. (See below) from a non-wind load case requires uplift connection.

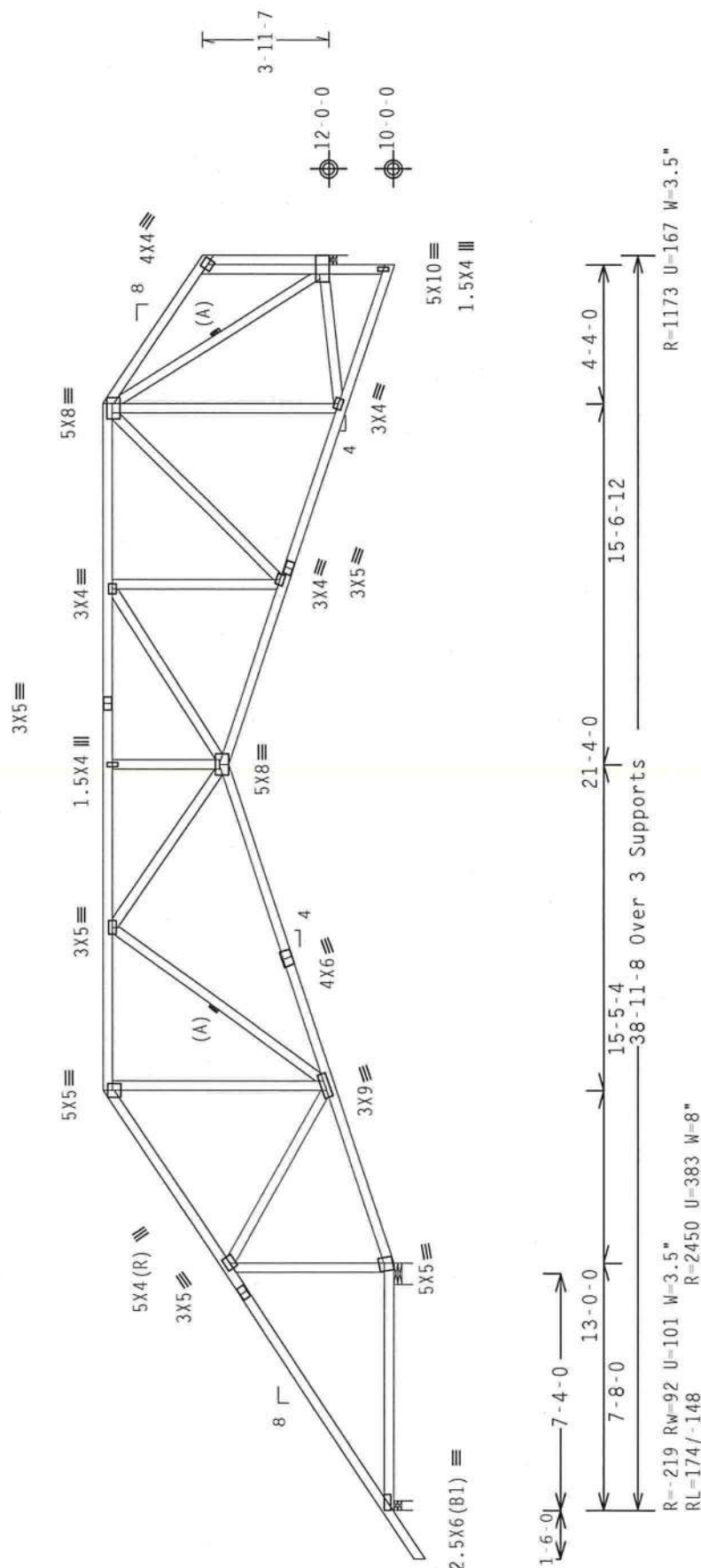
1110 mph wind, 15.00 ft mean hgt., ASCE 7-05, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.55

Wind reactions based on MwFRS pressures.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

Shim all supports to solid bearing.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

8.07.00

QTY: 3

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

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THESE TRUSSES ARE NOT TO BE USED IN ANY MANNER OTHER THAN THAT SPECIFIED BY THE MANUFACTURER. NORTH LEE STREET, SUITE 312, ALABAMA, VA 22114) AND YUCA (4000 TRUSS, COUNCIL OF AMERICA, 5300 ENTERPRISE LANE, WAH15006, #1 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****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR (ITW BEG, INC.) SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TROSS IN CONFORMANCE WITH TP1; OR FABRICATING, SHIPPING, INSTALLING AND/OR BRACING TROSSES, BY ALPAC) AND TP2. ITW BEG DESIGN COMBINGS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ALPAC) AND TP2. ITW BEG PLATES TO EACH FACE OF TROSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA A3 OF TP1-2009 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROSS COMPONENT OF THIS DESIGN. THE USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER AREA A3 OF TP1-2009 SEC.2.



TC LL	20.0 PSF	REF	R8228- 18075
TC DL	10.0 PSF	DATE	03/17/09
BC DL	10.0 PSF	DRW	HCUSR8228 09076021
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	8852
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TQ18228Z01

PLT TYP. Wave

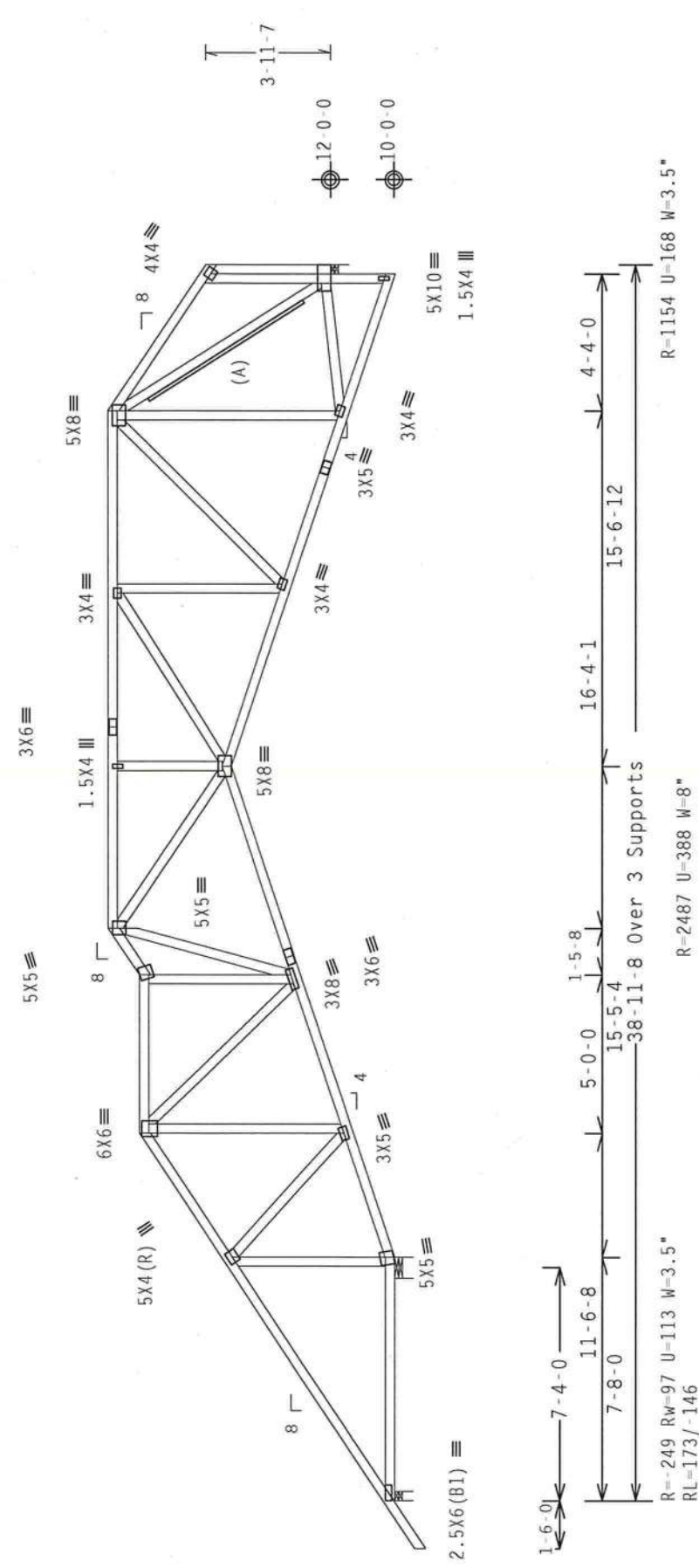
ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0078

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:
Roof overhang supports 2.00 psf soffit load.
(A) 1x4 #3SRB SPF-S or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Shim all supports to solid bearing.

Negative reaction(s) of -248# MAX. (See below) from a non-wind load case requires uplift connection.
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind IC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-) = 0.55
Wind reactions based on MWFRS pressures.
Right end vertical not exposed to wind pressure.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.

QTY: 1

FL / - / 4 / - / - / 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"

REF R8228- 18076
DATE 03/17/09
DRW HCUSR8228 09076022
HC-ENG JB/DF
SEQN - 8867
FROM AH
JREF - 1T018228201

ALPINE

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

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
17 '09

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN COMPONERS WITH APPLICABLE PROVISIONS OF ROS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1066 (A-11/SS/AT) ASH A663 GRADE 40/60 (A-11/SS/AT) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI-2002 SEC. 2. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Negative reaction(s) of -330# MAX. (See below) from a non-wind load case requires uplift connection.

111.0 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART. ENC. 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 (+/-)=0.55

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.

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

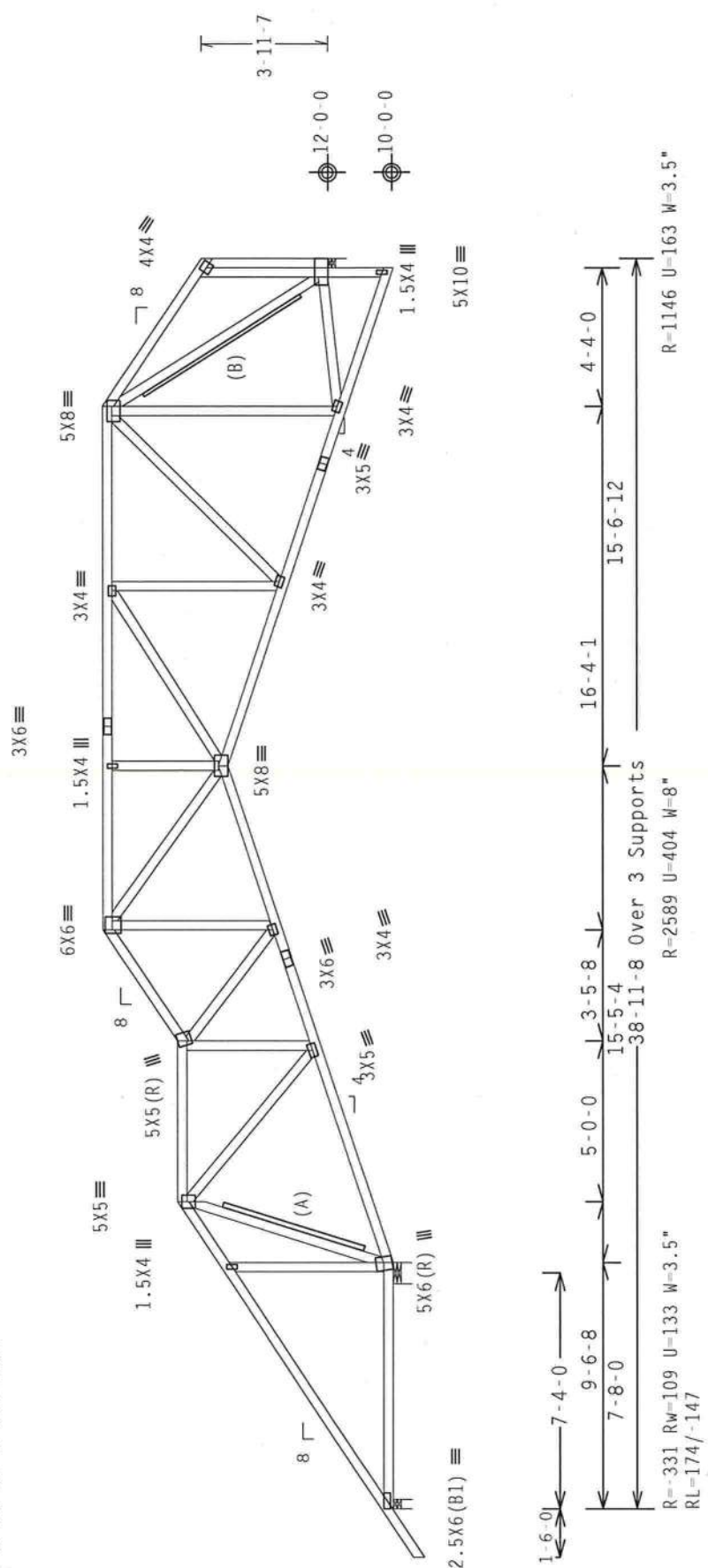
Roof overhang supports 2.00 psf soffit load.

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

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

Bottom chord checked for 10.00 psf non-concurrent live load.

Shim all supports to solid bearing.



R=1146 U=163 W=3.5"

R=2589 U=404 W=8"

RL=174/-147

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .1875" / Ft.

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

00

8.

 $FT/RT=10\%(0\%)/0(0)$

5
-
5
=
m
-
0
0
0

PLT TYP. Wave

****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), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WFLA (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.

TC LL	20.0	PSF	REF	R8228-	18077
TC DL	10.0	PSF	DATE	03/17/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09076023
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	8876	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1T018228Z01	



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COM #0378

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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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

Roof overhang supports 2.00 psf soffit load.

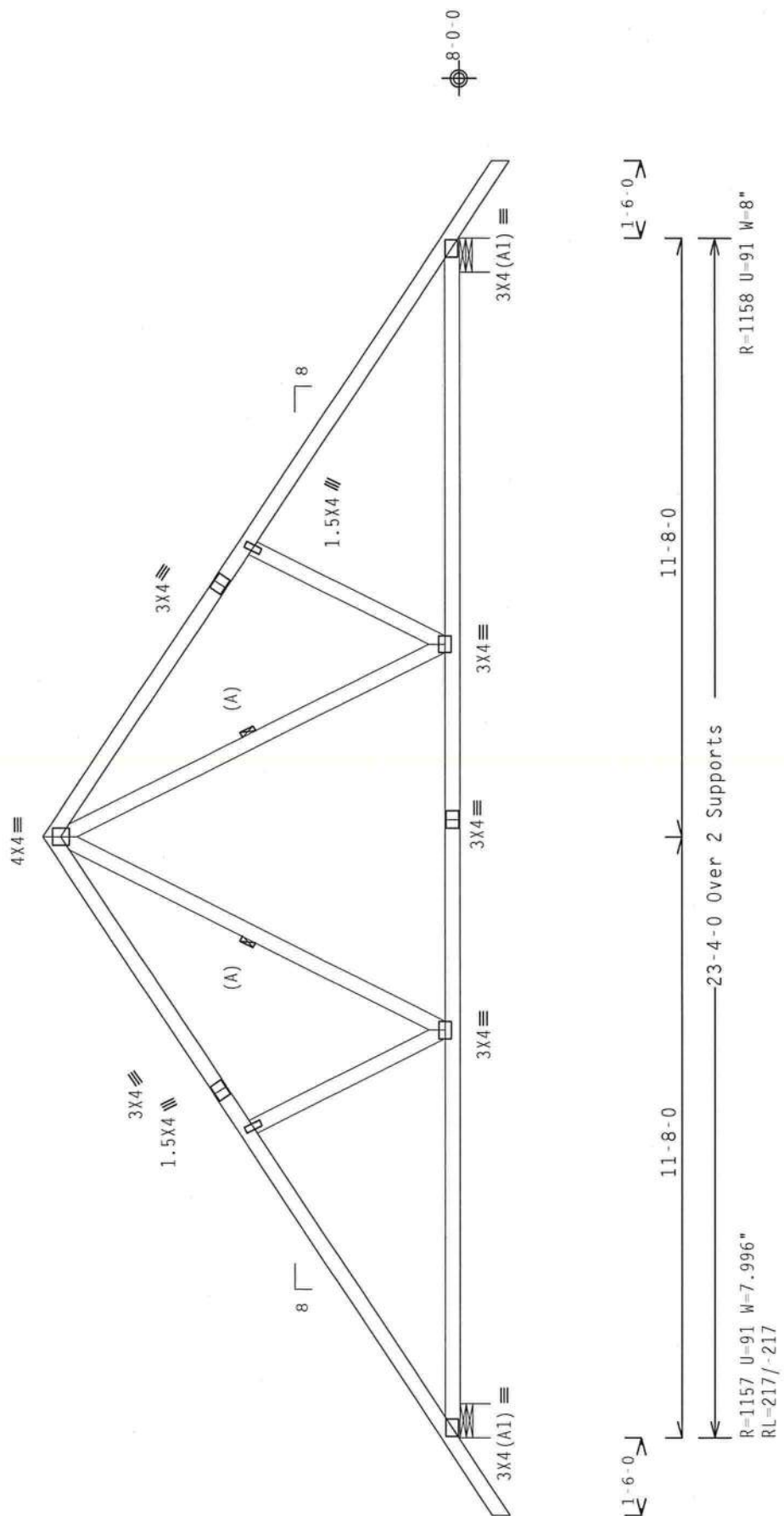
Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

Scale = .3125"/Ft.

QTY:11 FL/-/4/-/-/R/-/

00-16451 FLEA

0.0 (0) 0/2002 (SID)

FT/RT=10%(0%)

Design Crit:

YP. Wave

17d

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECSI BUILDING COMPONENT SYSTEM INFORMATION, PUBLISHED BY TP1 (PROSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALZANDRIA, VA, 22114) AND METAL DECKING COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**** IMPORTANT **** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING, A BRACING OF TRUSSES, ITW BCG DESIGN CORP. HAS APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PDA) AND TPI-1. CONNECTOR BOLTS WITH APPLICABLE PROVISIONS OF AISC A633 GRADE 40/60 (4.4/5.5) GALV. STEEL, APPLY PLATES TO EACH PLATE OF TRUSS AND, QUANTITIES OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIBX 43 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 AIBX/TPI-1, CORP. 2.

TC LL	20.0 PSF	REF R8228-1
-------	----------	-------------

TC DL	10.0 PSF	DATE	03/17
-------	----------	------	-------

BC DL	10.0 PSF	DRW HCUSR8228 0
-------	----------	-----------------

BC LL	0.0 PSF	HC-ENG JB/DF
-------	---------	--------------

TOT.LD.	40.0 PSF	SEQN-	8880
---------	----------	-------	------

DUR.FAC.	1.25	FROM	AH

SPACING 24.0" JREF - 1TQ1822



ITW Building Components Group Inc.
Haines City, FL 33844
FL CCA #0378

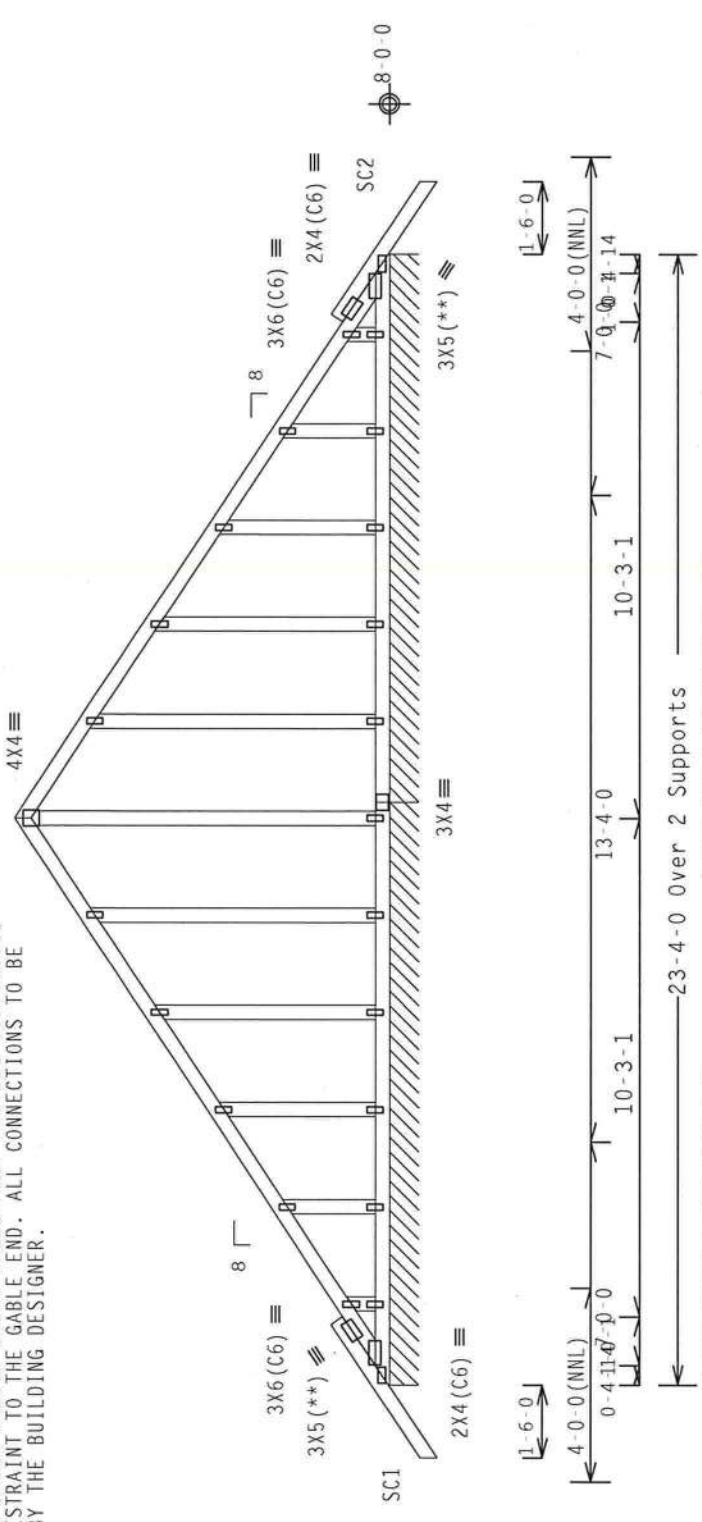
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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.

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

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

Scale = .25"/Ft.

QTY: 1

FL/-4/-/R/-

8.07.00

FT/RT=10%(0%)/0(0)

REF R8228- 18079

DATE 03/17/09

DRW HCUSR8228 09076043

HC-ENG JB/DF

SEQN- 8914

FROM AH

JREF- 1T018228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/-4/-/R/-

8.07.00

FT/RT=10%(0%)/0(0)

23-4-0 Over 2 Supports

R=152 PLF U-13 PLF W-11-4-0

R=172 PLF U=3 PLF W=12-0-0

RL=18/-18 PLF

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

8

10-3-1

13-4-0

7-9-0 #14

4-0-0 (NNL)

1-6-0

1-6-0

8-0-0

3X5 (**) =

2X4 (C6) =

3X6 (C6) =

3X5 (**) =

4X4 =

SC1

SC2

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3 : W3 2x4 SP #2 Dense:

SPECIAL LOADS

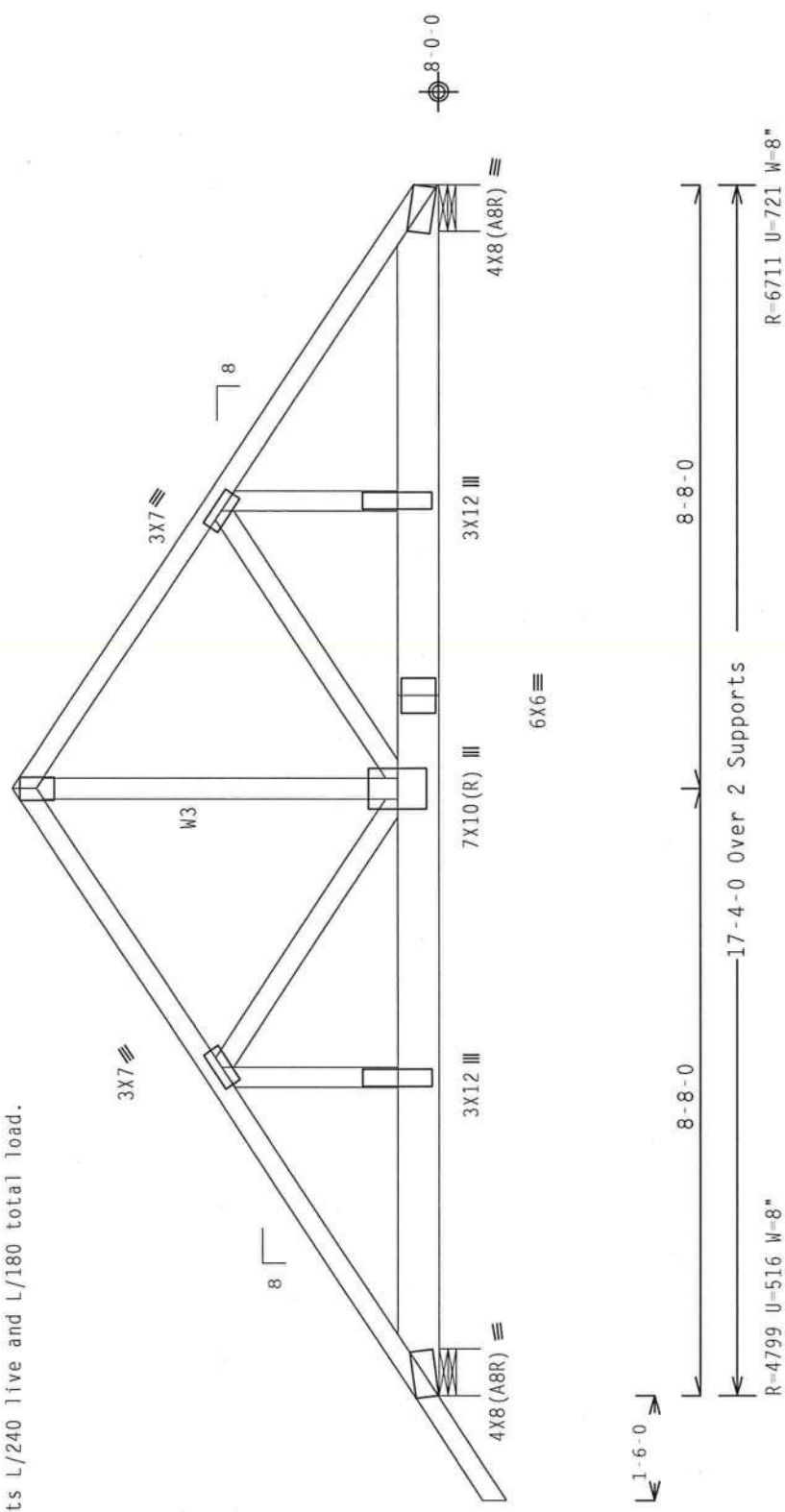
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 8.67
TC - From 64 PLF at 8.67 to 64 PLF at 17.33
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 17.33
BC - 3347 LB Conc. Load at 7.13
BC - 1651 LB Conc. Load at 9.06, 11.06, 13.06, 15.06

Wind reactions based on MWFRS pressures.

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @3.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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
Roof overhang supports 2.00 psf soffit load.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)



PLT TYP. Wave

QTY: 1 FL - / 4 - / - / R - / - Scale = .375" / Ft.

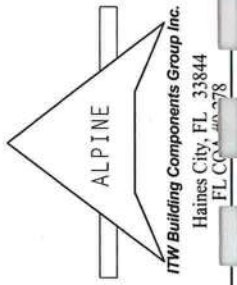
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF R8228- 18080
DATE 03/17/09
DRW HCUSR8228 09076044
HC-ENG JB/DF
SEQN- 8919
FROM AH
JREF- 1T018228Z01

17 '09

WARNING TRUSSES REQUIRING 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 MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ITW BCG PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE ASSOCIATED ON THIS DESIGN, POSITION PER DRAWING 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL OR 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.



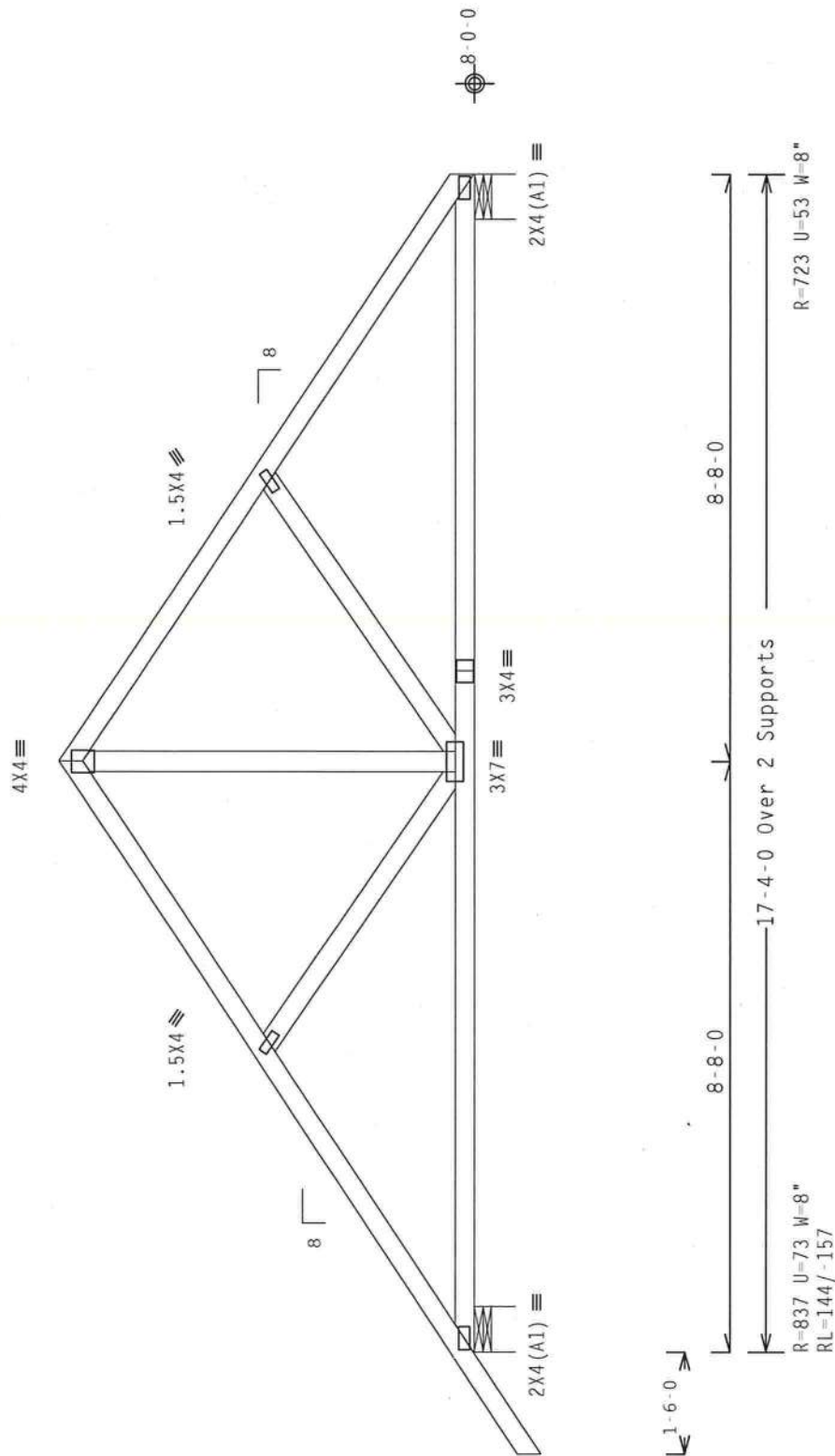
110 mph wind, 15.00 ft mean ht., ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind reactions based on MWFRS pressures.

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

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

00

QTY:3

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

Scale = .375" / Ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, INSTALLING AND BRACING. THESE THUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. THE MANUFACTURER'S REPRESENTATIVE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND MECA WOOD TRUSS, COUNCIL OF AMERICA, 1700 ENTERPRISE LANE, MOBILE, AL 36688, SHALL BE CONTACTED IMMEDIATELY BY PHONE OR MAIL IF THERE IS ANOTHER ISSUE. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

[illegible]

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	R8228-	18081
DATE	03/17/09	
DRW	HCUSR8228	090760
HC-ENG	JB/DF	
SEQN	- 8899	
FROM	AH	
REF	- 1T018228	2701



ALPINE

ITW Building Components Group Inc.

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

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

```

:Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:

```

Roof overhang supports 2.00 psf soffit load.

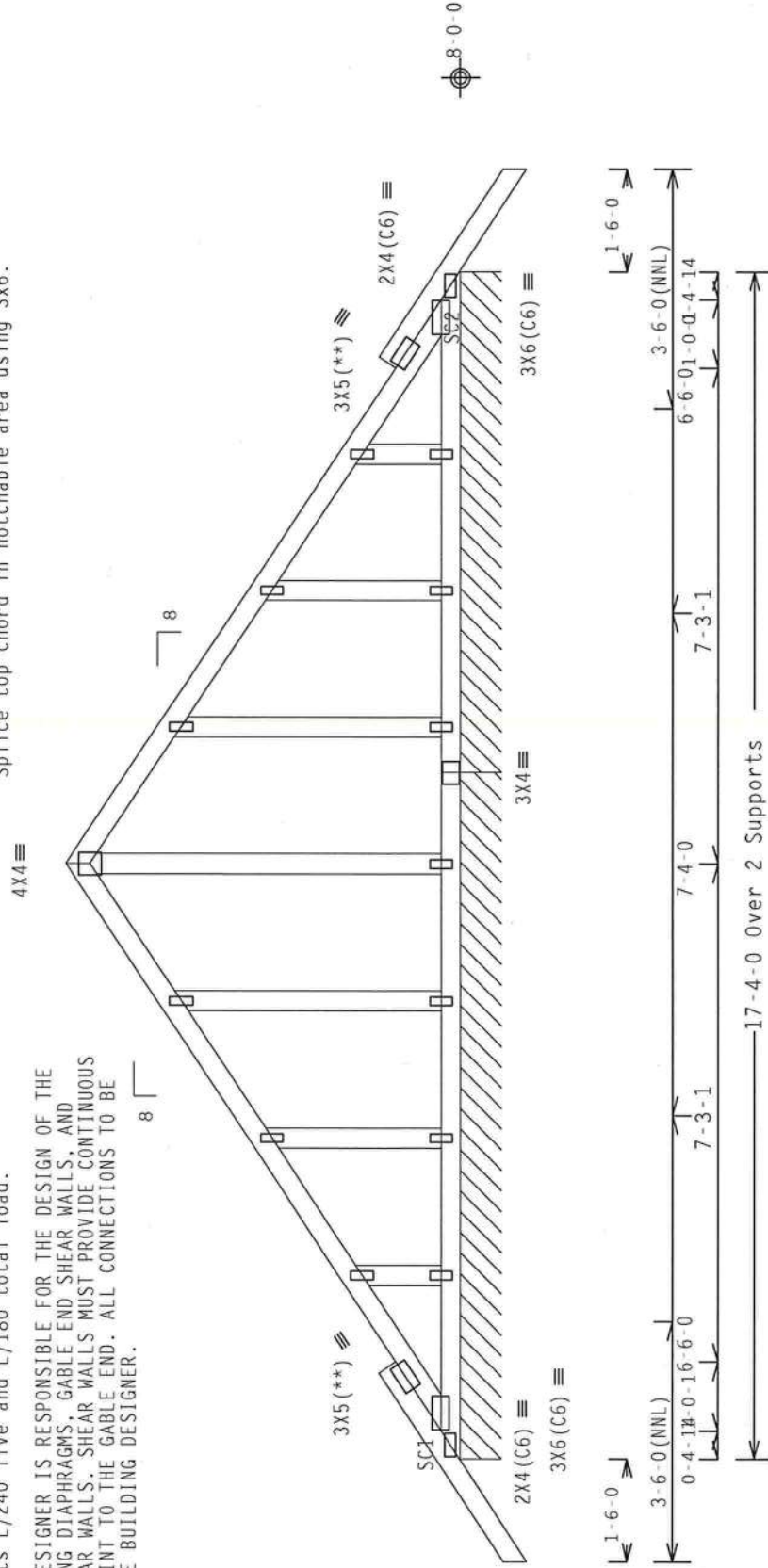
Gable end supports 8" max rake overhang.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

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



R=153 PLF U=4 PLF W=10-0-0

RL=17/-17 PLF

R=162 PIF U=15 PIF W=7-4-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

8.07.00

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

Scale = .375" / Ft.

WARNING—PROCESSES REQUIRING EXTREME CARE IN FABRICATION, INCLUDING SHIPING, INSTALLING AND BRACING OF TRUSS JOISTS, MUST BE FOLLOWED EXACTLY AS SPECIFIED BY THE MANUFACTURER. FOR ADDITIONAL INFORMATION CONTACT: NORTH LEE STEEL, SUITE 312, ALBUQUERQUE, NM 87106-9901 OR VICKI HODGINS, COUNCIL OF AMERICAS, ENTERPRISE STREET, WILMISTE, MI 48197-1000. TO PERFORM THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TIGID CLIPPING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) DESIGN COMPANION FOR RDS (ASTM DESIGN SPECIFICATION, BY A709/A) AND TPI.

CONNECTION PLATES ARE MADE OF 2X18/1/16GA (14-41/55X78) (ASTM A653 GRADE 40/50 (H/ K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 10A-2 THROUGH 10D-2.

DRAWING 10D-2 INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. DESIGN SPECIFICATION, SECTION 10.



TC LL	20.0	PSF	REF	R8228 -	18082
TC DL	10.0	PSF	DATE	03/17/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09076045
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN -	8908	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF -	1T018228Z01	

ITW Building Components Group Inc.

Haines City FL 33844

FL CC 40378

(9-065--OWNER BUILDER Buddy Slay --, ** - E-GE)

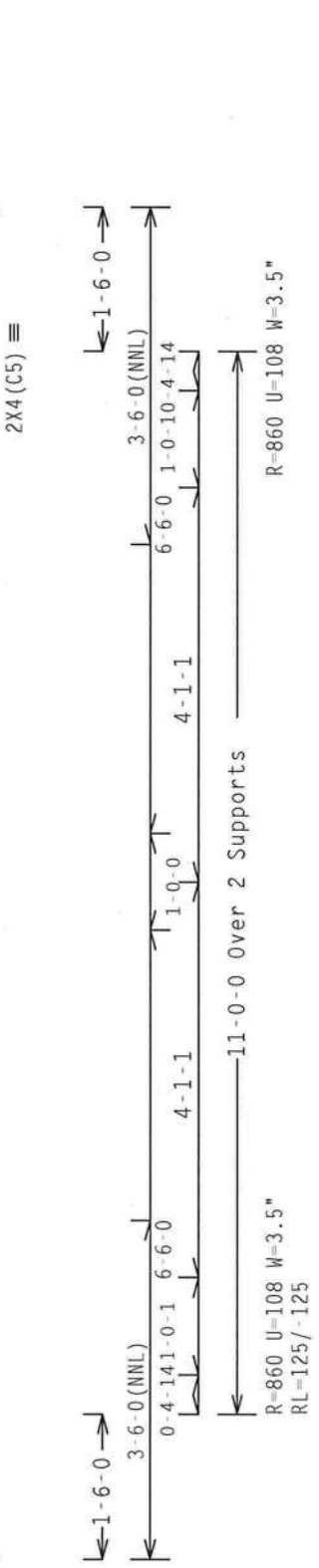
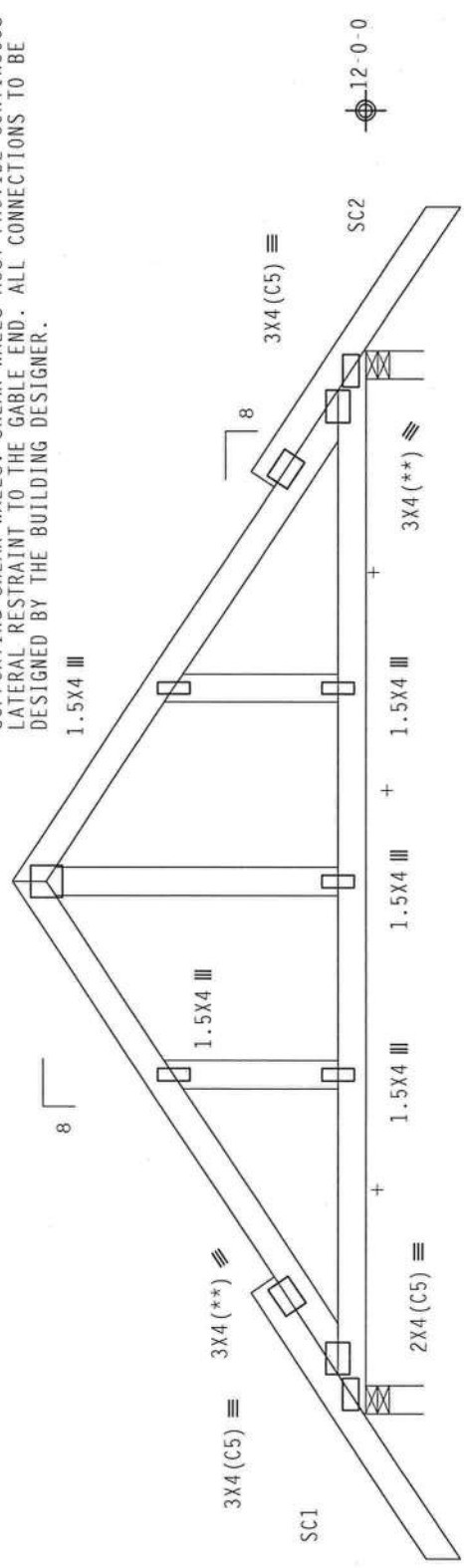
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:
Roof overhang supports 2.00 psf soffit load.
Gable end supports 8" max rake overhang.

See DWGS A140GC020109 & A140GS020109 for more requirements.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.
+ MEMBER TO BE Laterally Braced for Out of Plane Wind Loads.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. 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(+/-)=0.55
Wind reactions based on MWFRS pressures.

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

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



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

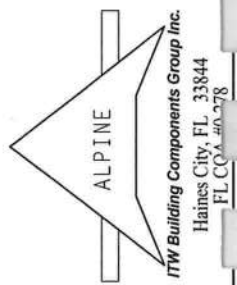
PLT TYP. Wave
Scale = .5"/Ft.



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2017/1666 (W/155/24) ASTM A663 GRADE 40/60 (W/ 8/155) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC. 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R8228- 18083
TC DL	10.0 PSF	DATE	03/17/09
BC DL	10.0 PSF	DRW	HCUSR8228 09076046
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	8930
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T018228Z01



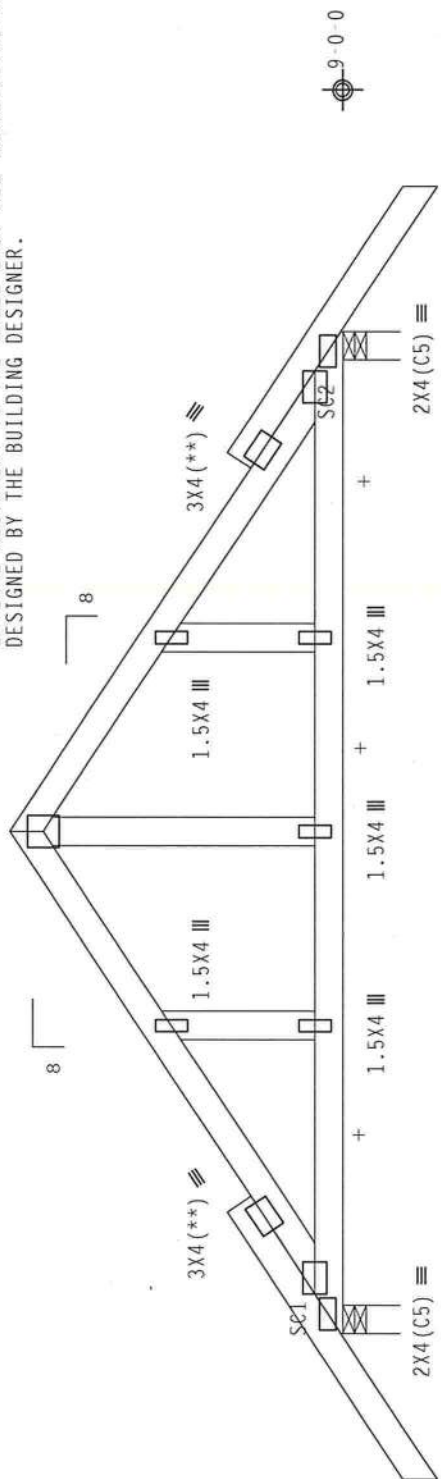
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:
Roof overhang supports 2.00 psf soffit load.

Gable end supports 8" max rake overhang.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

+ MEMBER TO BE Laterally Braced FOR OUT OF PLANE WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

FL/-4/-/-R/-		Scale = .5"/Ft.
TC LL	20.0 PSF	REF R8228- 18085
TC DL	10.0 PSF	DATE 03/17/09
BC DL	10.0 PSF	DRW HCUSR8228 09076047
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 8943
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T018228Z01



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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD), ITW BEG, INC. CONNECTION PLATES ARE MADE OF 2010/10/10GA (20/10/10GA) ASPH 6053 GRADE, 48/60 (48, 60/55) GALV. STEEL, APPLY 7. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE



ITW Building Components Group Inc.
Haines City, FL 33844
FL 000-00-078

(9-065--OWNER BUILDER Buddy Slay --, ** - J1)

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

Roof overhang supports 2.00 psf soffit load.

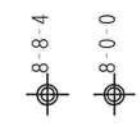
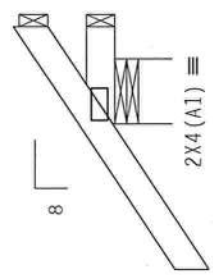
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART. ENC. 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(+/-)=0.55

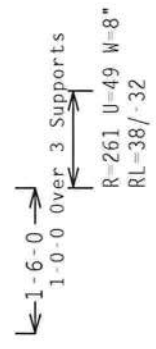
Wind reactions based on MWFRS pressures.

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

R=-59 Rw=28 U=50



R=6 Rw=17 U=18



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)



QTY: 8	FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
TC LL	20.0 PSF	REF R8228- 18086
TC DL	10.0 PSF	DATE 03/17/09
BC DL	10.0 PSF	DRW HCUSR8228 09076024
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 8425
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T018228Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND 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 OF THE TRUSS IN COMPLIANCE WITH TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. ITW BCG CORRELATION PLATES ARE MADE OF 2024-T3 ALUMINUM ALLOY WITH ANS3 GRADE 40760 (4. X/IN. SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1804-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 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. 7.

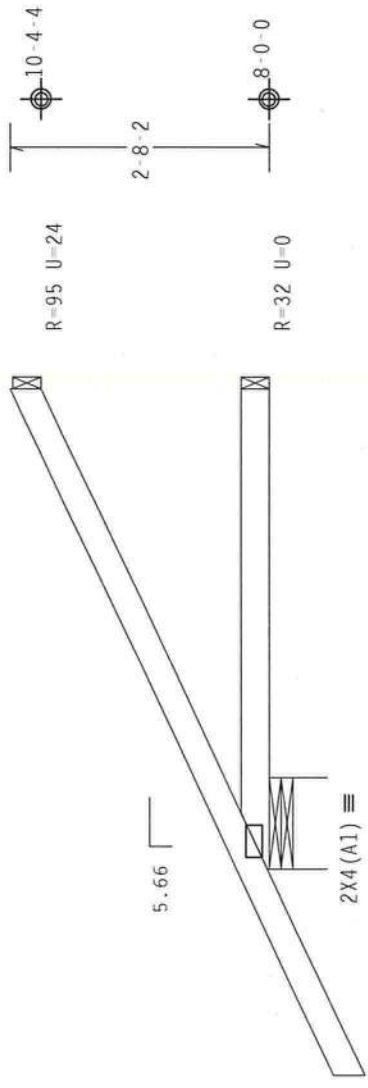
ITW Building Components Group Inc.
Haines City, FL 33844
FL CCR 000078

(9-065--OWNER BUILDER Buddy Slay --, ** - HJ3)

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

Hipjack supports 3-6-0 setback jacks with no webs.
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC
DL-5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
Wind reactions based on MWFRS pressures.



← 2-1-7 →
← 4-11-6 Over 3 Supports →
R=202 U=27 W=11.314"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

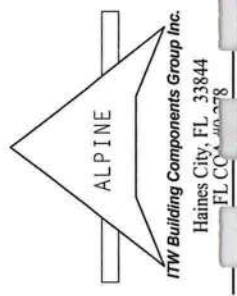
QTY: 1 FL/-/4/-/R/- Scale = .5"/Ft.



TC LL	20.0 PSF	REF	R8228- 18088
TC DL	10.0 PSF	DATE	03/17/09
BC DL	10.0 PSF	DRW	HCUSR8228 09076049
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	8443
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T018228Z01

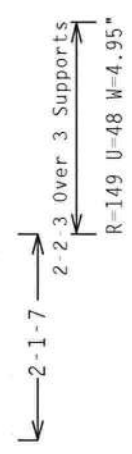
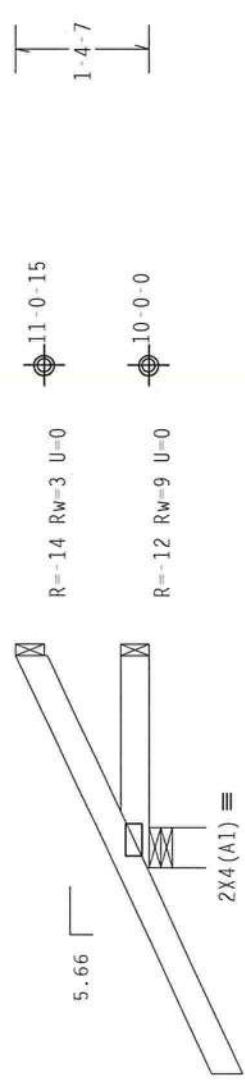
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. 1TH BCG CORRECTOR PLATES ARE MADE OF 2018/16GA (40/55/21) ASTM A653 GRADE 40/55 GALVALUME GALV. STEEL. APPL. PER TPI. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEA 3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(9-065--OWNER BUILDER Buddy Slay --, ** - HJ1)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Hipjack supports 1-6-8 setback jacks with no webs.
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. 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(+/-)=0.55
Wind reactions based on MWFRS pressures.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%/0(0))

8.07.00

QTY: 1

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R8228- 18089
TC DL	10.0 PSF	DATE 03/17/09
BC DL	10.0 PSF	DRW HCUSR8228 09076050
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 8430
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T018228Z01

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL CO. 60-278

DOUGLAS FLEMING

License No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

17 '09

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE 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**** TURNISH 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 20/18/16GA (W/SS/RS) ASTM A653 GRADE 40/60 (W/ K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DESIGN SHOWN. DESIGNER SHALL BE RESPONSIBLE FOR THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.

(9-065--OWNER BUILDER Buddy Slay -- , ** - J3)

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

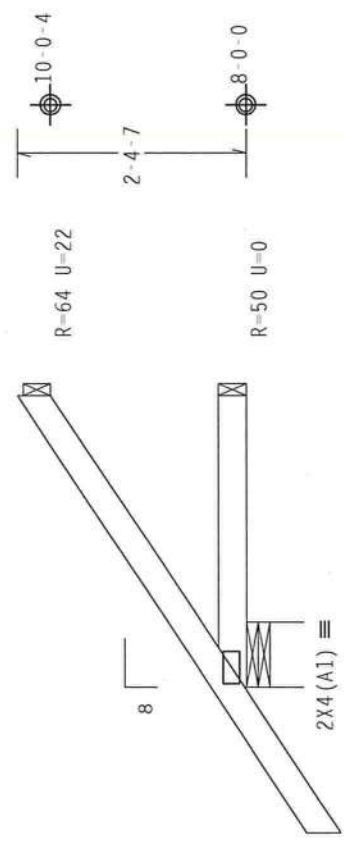
Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

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



3'-0'-0 Over 3 Supports
R=268 U=17 W=8"
RL=69/-42

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

QTY: 6	FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
TC LL	20.0 PSF	REF R8228- 18090
TC DL	10.0 PSF	DATE 03/17/09
BC DL	10.0 PSF	DRW HCUSR8228 09076025
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 8437
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T018228Z01



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

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

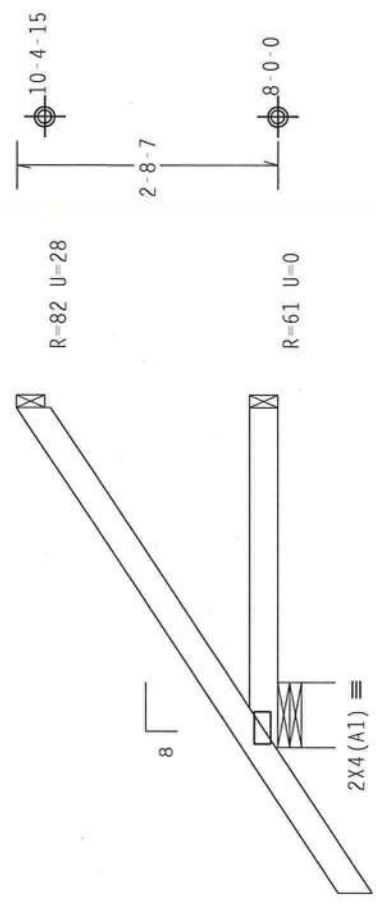
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. FOR STEEL), AISC 360-10, AND TPI. ITW BEG CORP. PLATES TO EACH FACE OF TOP CHORD AND BOTTOM CHORD UNLESS OTHERWISE LOCATED ON THIS DESIGN. EXCEPT AS NOTED OTHERWISE, ALL DIMENSIONS ARE IN INCHES. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

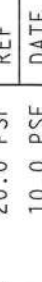


$\overleftarrow{1-6-0} \rightarrow$
 $\overleftarrow{3-6-0}$ Over 3 Supports
 $\rightarrow$

R=284 U=15 W=8"
 RL=76/-44

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

Scale = .5"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FLC00000078

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2400 HIGHWAY 100, SUITE 100, ALBUQUERQUE, NM 87102-1000, FOR ALL INFORMATION CONCERNING CORRECT CONSTRUCTION, ERECTION, LABEL, HANDLING, AND SAFETY PRACTICES. PROCEED 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 CORRELATOR PLATES ARE MADE OF 2018/1766A (4-10/55/K) ASTM A653 GRADE 40/560 (H, K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

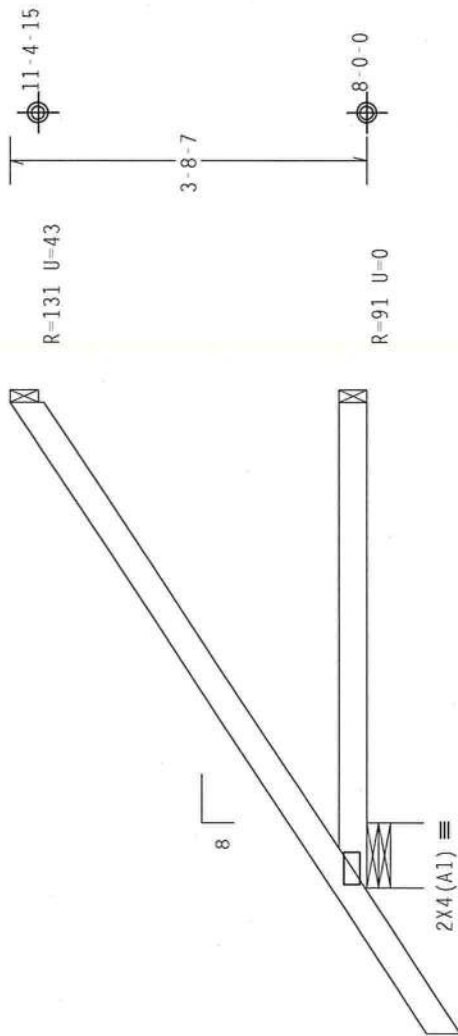


TC LL	20.0	PSF	REF	R8228-	18091
TC DL	10.0	PSF	DATE	03/17/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09076026
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	8445	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1T018228201	

110 mph wind, 15.00 ft mean ht, ASCE 7-05, 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

Wind reactions based on MWFRS pressures.

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



$\overleftarrow{1-6-0} \rightarrow$
 $\overleftarrow{5-0-0}$ Over 3 Supports $\rightarrow$
 R=339 U=10 W=8"
 RL=99/-51

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

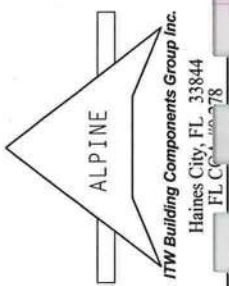
FL / - / 4 / - / - / R / -		Scale = .5" / Ft.
TC LL	20.0 PSF	REF R8228- 18092
TC DL	10.0 PSF	DATE 03/17/09
BC DL	10.0 PSF	DRW HCUSR8228 09076009
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT.LD.	40.0 PSF	SEQN- 8448
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TQ18228Z01

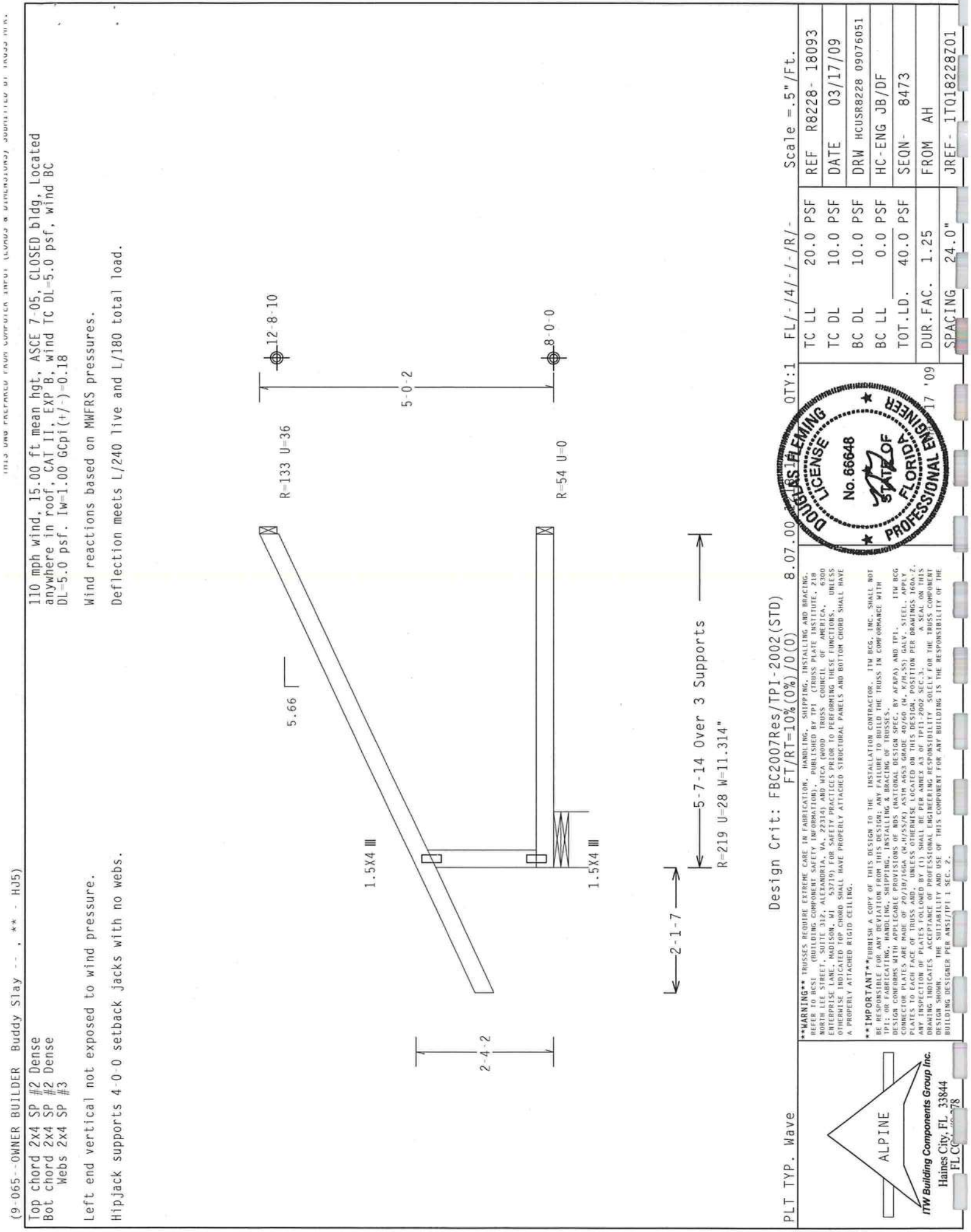


WARNING THUSSES REQUIRE EXTREME CARE IN ERECTION, AND THE SUPPORTING, INSTALLING AND BRACING OF THE THUSSES BUILDINGS COMPONENT SAFETY INFORMATION. FOR THE THUSSES, CONTACT: THUSSES, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314, AND (800) THUSSES. COUNCIL OF AMERICA, 6300 ELLERIE LANE, MADISON, MI. 48271, 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 BEAMING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSULATION CONTRACTOR... ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO OR DESTRUCTION OF THE TROSS IN CONFORMANCE WITH THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE TROSS IN CONFORMANCE WITH THE TYPICAL FABRICATING, HANDLING, SHIPPING, INSTALLING & PACKAGING OF TROSSES.

TITW BCG CONNECTOR PLATES ARE MADE OF 20/28/19 (UNGA, UH/SS/RS) ALUMINUM GRADE 6061 (M, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITIONED PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC. 2.; DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER PER ANNEX D/TP11-2002 SEC. 7.





(9-065--OWNER BUILDER Buddy Slay --, ** - HJ5)

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

Left end vertical not exposed to wind pressure.

Hipjack supports 4-0-0 setback jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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

Wind reactions based on MMFRS pressures.

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

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

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SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

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SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

8.07.00

QTY:1

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

Scale = .5"/Ft.

REF R8228- 18093

DATE 03/17/09

DRW HCUR8228 09076051

HC-ENG JB/DF

SEQN- 8473

FROM AH

JREF- 1TQ18228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

PLT TYP. Wave

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

110 mph wind, 15.00 ft mean ht, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-)=0.18

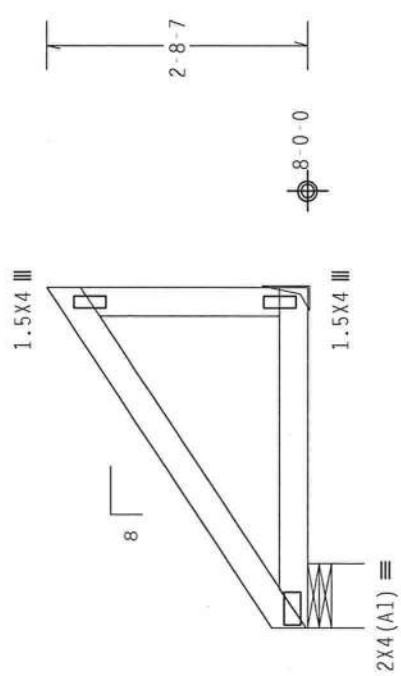
Wind reactions based on MWFRS pressures.

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

SPECIAL LOADS

		(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC	From 64 PLF at 0.00 to 64 PLF at 3.50	
BC	From 20 PLF at 0.00 to 20 PLF at 3.50	
BC	215 LB Conc. Load at 1.59	

Right end vertical not exposed to wind pressure.



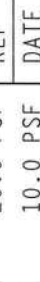
R-233 U-9 H-Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d, 0.148"x1.5" nails in Girder
Girder is (1)2X0 min. (H)

Y-3-6-0 Over 2 Supports
R=276 U=9 W=8"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave



ITW Building Components Group Inc.
Haines City, FL 33844
FLC000000078

DATE 03/17/09 **REF** R8228- 18095

DRW HCUSR8228 09076052 **HC-ENG** JB/DF

SEQN - 8467

FROM AH

JREF - 1TQ18228Z01

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"

17 '09

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND UTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, SHILTON, 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.

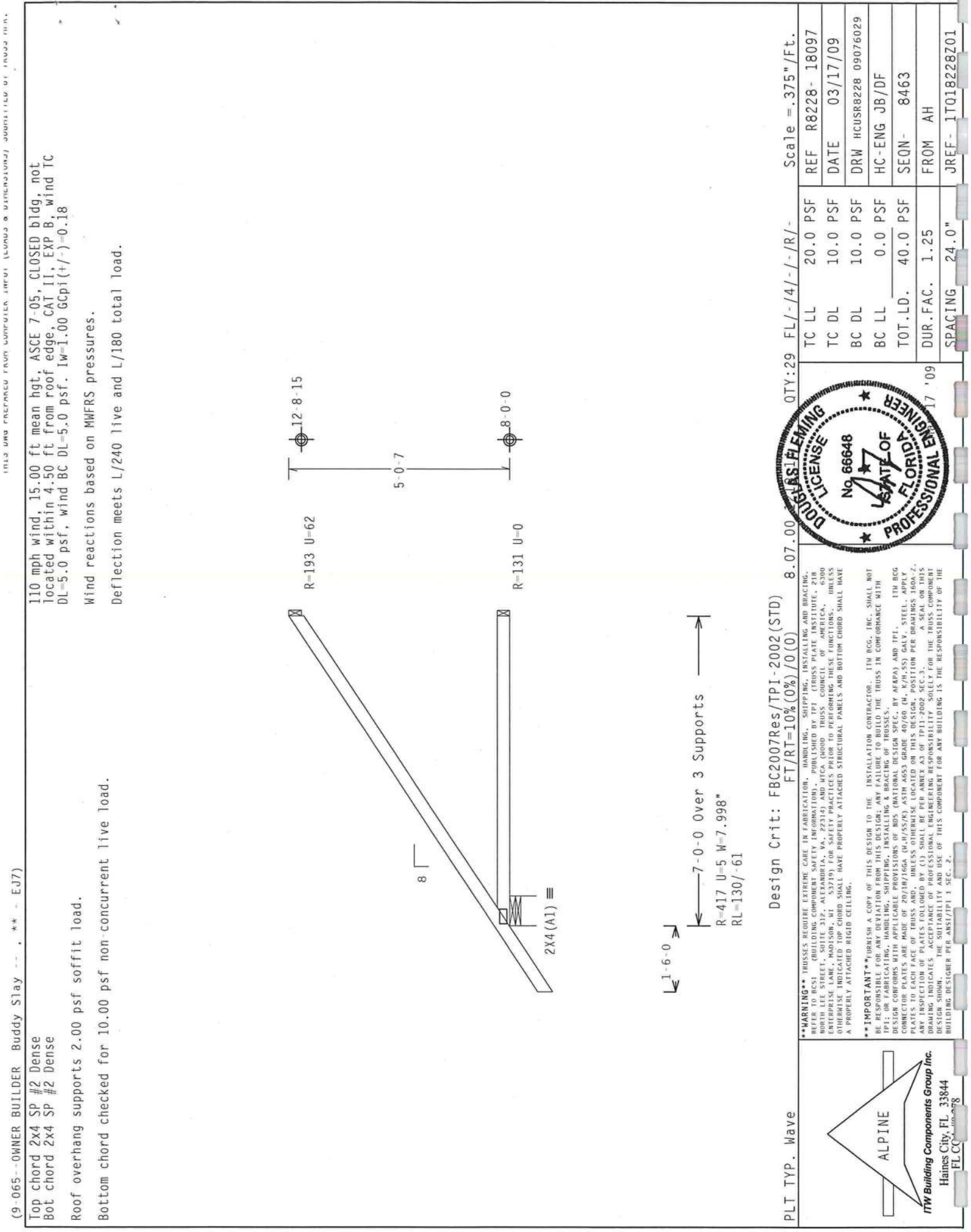
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE OF TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI.

CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (H, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1-2002 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 ANSI/TPI 1 SEC. 2.





THIS DRAW PREPARED FROM COMPUTER INPUT (UNLESS OTHERWISE NOTED) SUBMITTED BY THE USER. THE USER IS RESPONSIBLE FOR THE ACCURACY OF THE INPUT DATA.

(9-065--OWNER BUILDER Buddy Slay --, ** - EJ7)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Roof overhang supports 2.00 psf soffit load.
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0) 8.07.00 QTY:29 FL/-/4/-/-/R/- Scale =.375"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL 00000008

17 '09
DUR.FAC. 1.25
SPACING 24.0"
JREF- 1T018228Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.

(9-065--OWNER BUILDER Buddy Slay --, ** - J2)

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

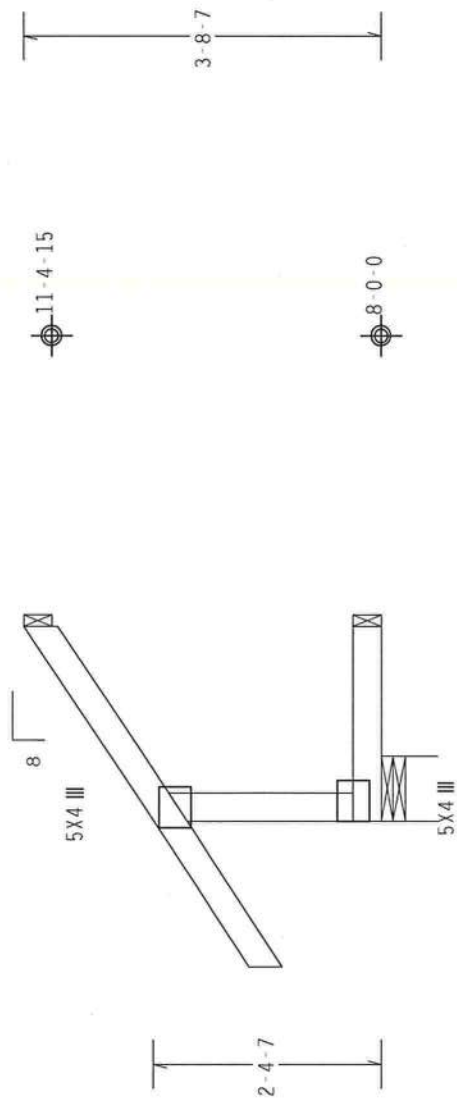
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.
Calculated horizontal deflection is 0.23" due to live load and 0.10" due to dead load.
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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

Wind reactions based on MWFRS pressures.
Roof overhang supports 2.00 psf soffit load.
Bottom chord checked for 10.00 psf non-concurrent live load.

R=12 Rw=23 U=50

R=45 Rw=56 U=37



2'-0'-0" over 3 supports
R=226 U=16 W=8"
RL=99/-90

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .5"/Ft.

QTY:1

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

8.07.00

REF R8228- 18098

DATE 03/17/09

DRW HCUSR8228 09076010

HC-ENG JB/DF

SEQN- 8470

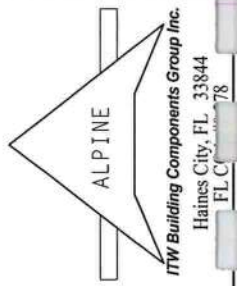
FROM AH

JREF- 1TQ18228Z01



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ITW BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

110 mph wind, 18.26 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MWFRS pressures.

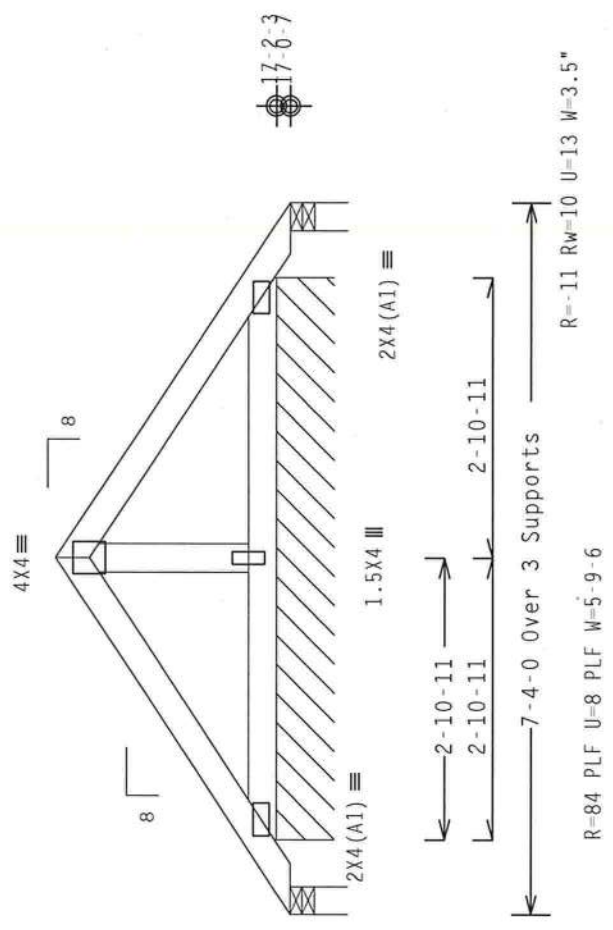
Deflection meets L/240 live and L/180 total load.

Refer to DWG PB1200109 for piggyback details.

SPECIAL LOADS

----- (LUMBER DUR. FAC = 1.25 / PLATE DUR. FAC = 1.25) -----			
TC	- From	64 PLF at -0.78	to 64 PLF at -0.28
TC	- From	64 PLF at -0.28	to 64 PLF at 2.89
TC	- From	64 PLF at 2.89	to 64 PLF at 6.06
TC	- From	64 PLF at 6.06	to 64 PLF at 6.56
BC	- From	4 PLF at -0.78	to 4 PLF at 6.56

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

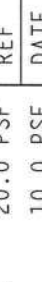


R=11 RW=40 U=43 W=3.5"
RL=53/-53

R = -11 R_w = 10 U = 13 W = 3.5"

Design Crit: FBC2007Res/TPI-2002(STD)

QTY:1 FL/-/4/-/-/R/- Scale = .5"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FL CO. JOB #78

****WARNING**** TROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURER, 2300 TULL STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND IFCA 40000 TRUSS COUNCIL OF AMERICA, 6300 WILSON AVENUE, NEWTON, MASS 02459 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 DAMAGE TO THE TRUSS IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONECTOR PLATES WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TP1. CONECTOR PLATES ARE MADE OF 20/18/16GA (40/55/RS) ASTM A563 GRADE 40/60 (40, 40/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/TP1 1 SEC. 2.



REF	R8228 - 18100	TC LL	20.0 PSF	PSF	REF	R8228 - 18100
DATE	03/17/09	TC DL	10.0 PSF			
DRW	HCSR8228 09076031	BC DL	10.0 PSF			
	HC-ENG JB/DF	BC LL	0.0 PSF			
	SEQN - 8969	TOT.LD.	40.0 PSF			
	FROM AH	DUR.FAC.	1.25			
	JREF - 1T018228Z01	SPACING	24.0"			

(9-065--OWNER BUDDY SLAY --, ** - PB4)

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

110 mph wind, 18.27 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4-50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

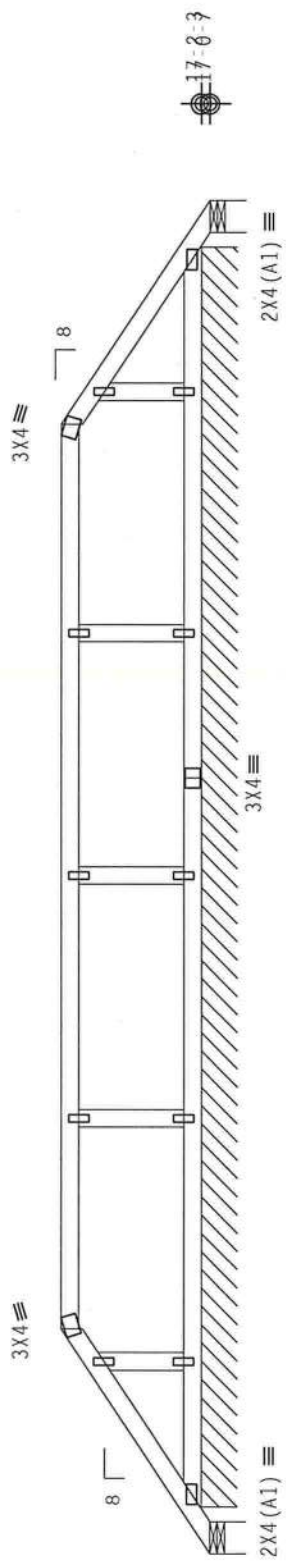
Deflection meets L/240 live and L/180 total load.

Refer to DWG PB1200109 for piggyback details.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 3.71
TC - From 64 PLF at 3.71 to 64 PLF at 18.63
TC - From 64 PLF at 18.63 to 64 PLF at 22.33
BC - From 4 PLF at 0.00 to 4 PLF at 22.33

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



22-4-0 Over 3 Supports
R=16 Rw=34 U=30 W=6.31"
RL=54/-54
R=70 PLF U=13 PLF W=20-9-6

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

QTY:1	FL/-/4/-/-/R/-	Scale = .3125"/Ft.
TC LL	20.0 PSF	REF R8228- 18101
TC DL	10.0 PSF	DATE 03/17/09
BC DL	10.0 PSF	DRW HCUSR8228 09076032
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 8973
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TQ18228Z01



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

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DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-N/55/SX) ASH A653 GRADE 40/60 (4, 8/7N-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED, POSITION PER DRAWINGS FOR 2". BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

	Top chord	2x4	SP	Dense
	Bot chord	2x4	SP	Dense
	Webbs	2x4	SP	Dense

110 mph wind, 18.26 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

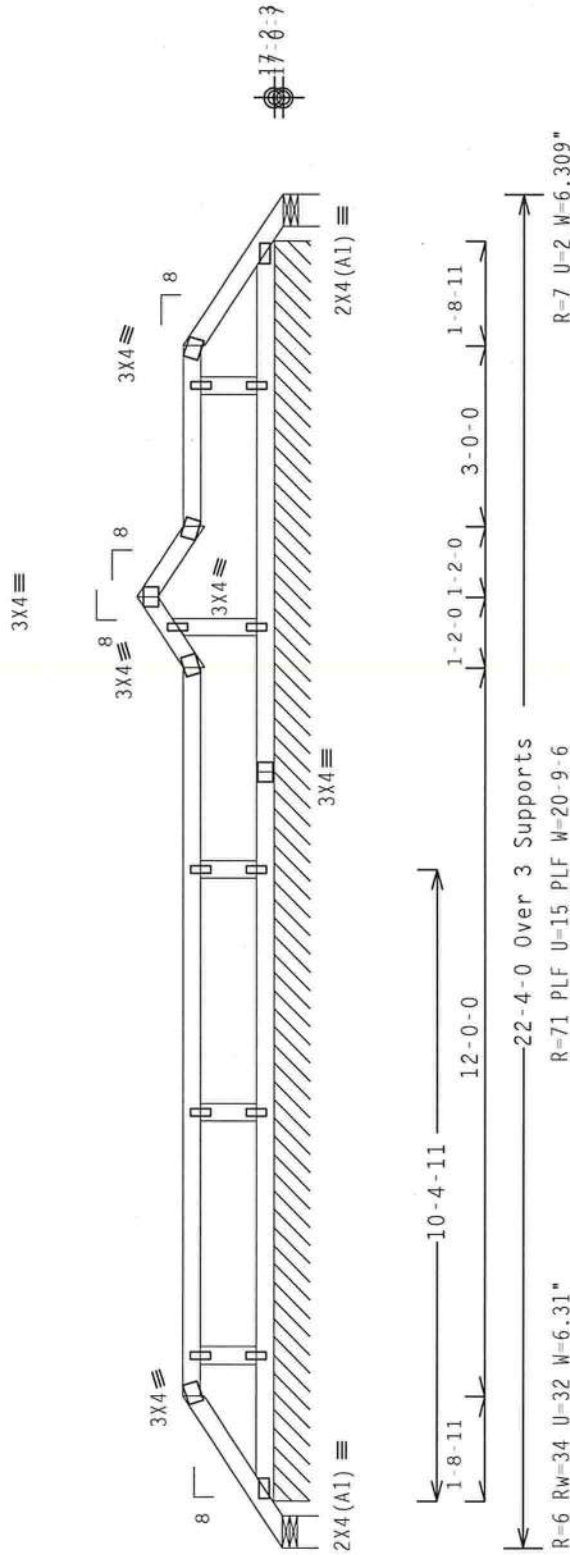
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

Refer to DWG PB1200109 for piqqback details.

SPECIAL LOADS

----- (LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)			
TC	- From	64 PLF at 0.00 to	64 PLF at 2.50
TC	- From	64 PLF at 2.50 to	64 PLF at 14.50
TC	- From	64 PLF at 14.50 to	64 PLF at 15.67
TC	- From	64 PLF at 15.67 to	64 PLF at 16.83
TC	- From	64 PLF at 16.83 to	64 PLF at 19.83
TC	- From	64 PLF at 19.83 to	64 PLF at 22.33
DC	- From	4 PLF at 0.00 to	4 PLF at 22.33

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

8.07.00

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

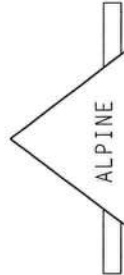
Scale = .3125"/Ft.

TC LL	20.0 PSF	REF R8228- 18102
TC DL	10.0 PSF	DATE 03/17/09
BC DL	10.0 PSF	DRW HCUR8228 09076033
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 8977
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T018228Z01



WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DEBUNCHING. THESE THUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. THE MANUFACTURER ASSUMES NO LIABILITY FOR INJURY OR DEATH TO PERSONS OR DAMAGE TO PROPERTY OR EQUIPMENT OF ANY KIND, INCLUDING BUT NOT LIMITED TO, THE USE OF THESE THUSSES TO PERFORM ANY OTHER FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

**** IMPORTANT ****TURKISH A.S. INSTALLATION CONTRACTOR ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITM BCG DESIGN COMES WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC., BY AISC) AND TP1. ITM BCG PLANTS TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY TP1 SHALL BE PER AMERICAN A3 OF TP1-2902 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS PROJECT. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PURSUANT TO TP1 SEC. 2.



ITW Building Components Group Inc.

Haines City, FL 33844

TEL CO 110 378

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

110 mph wind, 19.94 ft mean hgt. ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

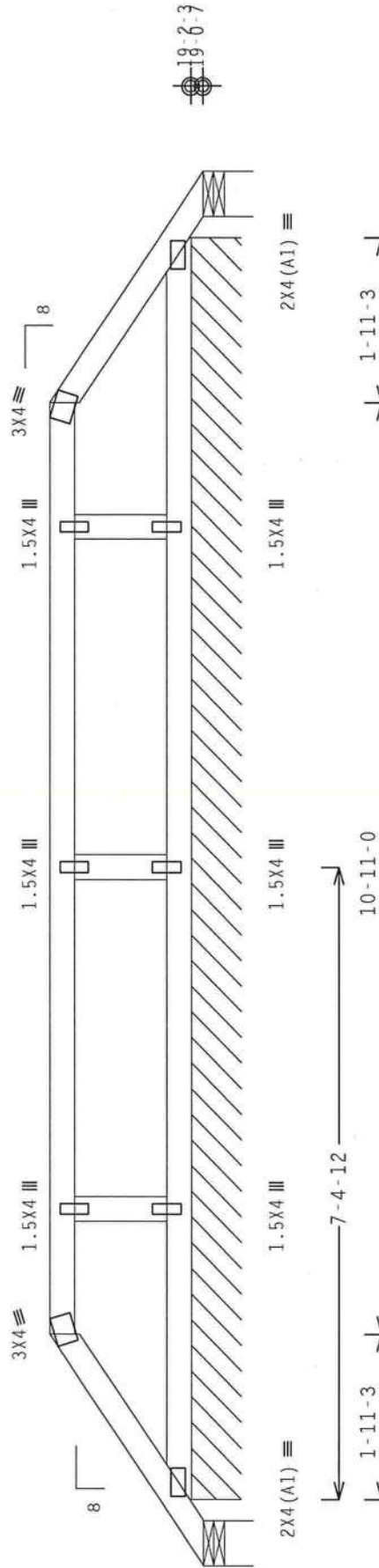
Deflection meets L/240 live and L/180 total load.

Refer to DWG PB1200I09 for piggyback details.

SPECIAL LOADS

	LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25	
TC - From	64 PLF at 0.00 to	64 PLF at 2.71
TC - From	64 PLF at 2.71 to	64 PLF at 13.63
TC - From	64 PLF at 13.63 to	64 PLF at 16.34
DC - From	4 PLF at 0.00 to	4 PLF at 16.34

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



R=3 RW=30 U=31 W=6.31"
RL=39/-39

R=72 PLF U=17 PLF W=14-9-7

R=3 R_W=7 H=8 W=6 31"

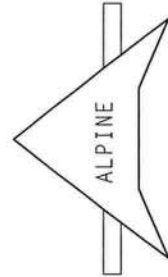
Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

8.07.00

QTY:1

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

Scale = .5"/Ft.



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

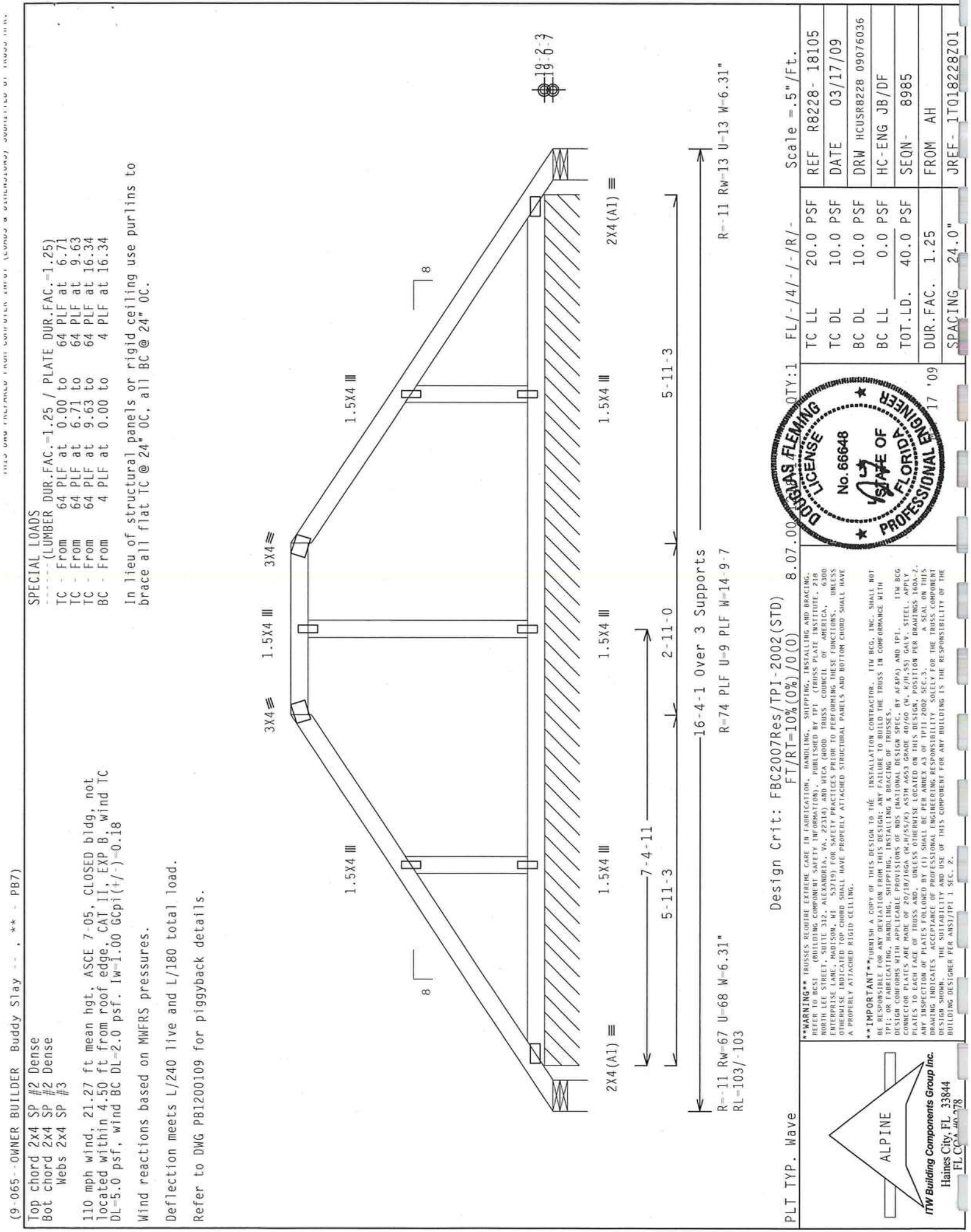
[illegible]

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

THIS SPECIFICATION IS A TECHNICAL STANDARD OF THE AMERICAN INSTITUTE OF STEEL BUILDING DESIGNERS AND MANUFACTURERS. IT IS INTENDED TO BE USED AS A GUIDE FOR THE DESIGNER OF STRUCTURES OF STEEL FRAMED BUILDINGS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE SELECTION OF THE APPROPRIATE MATERIALS AND THE APPLICATION OF THIS SPECIFICATION TO THE PARTICULAR CASE. THE DESIGNER SHALL ALSO BE RESPONSIBLE FOR THE VERIFICATION OF THE COMPLIANCE OF THE SUPPLIER'S PRODUCTS WITH THE REQUIREMENTS OF THIS SPECIFICATION. THE DESIGNER SHALL BE RESPONSIBLE FOR THE VERIFICATION OF THE COMPLIANCE OF THE SUPPLIER'S PRODUCTS WITH THE REQUIREMENTS OF THIS SPECIFICATION.



TC LL	20.0 PSF	REF R8228- 18103
TC DL	10.0 PSF	DATE 03/17/09
BC DL	10.0 PSF	DRW HCUSR8228 09076034
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 8981
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T018228Z01



(9-065--OWNER BUILDER Buddy Slay --, ** - PB7)

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

110 mph wind, 21.27 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. 1w=1.00 Gcpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

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

Refer to DWG PB1200109 for piggyback details.

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 6.71
TC - From 64 PLF at 6.71 to 64 PLF at 9.63
TC - From 64 PLF at 9.63 to 64 PLF at 16.34
BC - From 4 PLF at 0.00 to 4 PLF at 16.34

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

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10% (0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

REF R8228- 18105
DATE 03/17/09
DRW HCUR8228 09076036
HC-ENG JB/DF
SEQN- 8985
FROM AH
JREF- 1T018228Z01

17 '09

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

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

QTY:1

8.07.00

16-4-1 Over 3 Supports

R=11 Rw=67 U=68 W=6.31"

RL=103/-103

R=11 Rw=13 U=13 W=6.31"

R=103/-103

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL CCA #0278

(9-065--OWNER BUILDER Buddy Slay --, ** - PB8)

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

110 mph wind, 21.76 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-2.0 psf. $1w=1.00$ $Gcpi(+/-)=0.18$

Wind reactions based on MWFRS pressures.

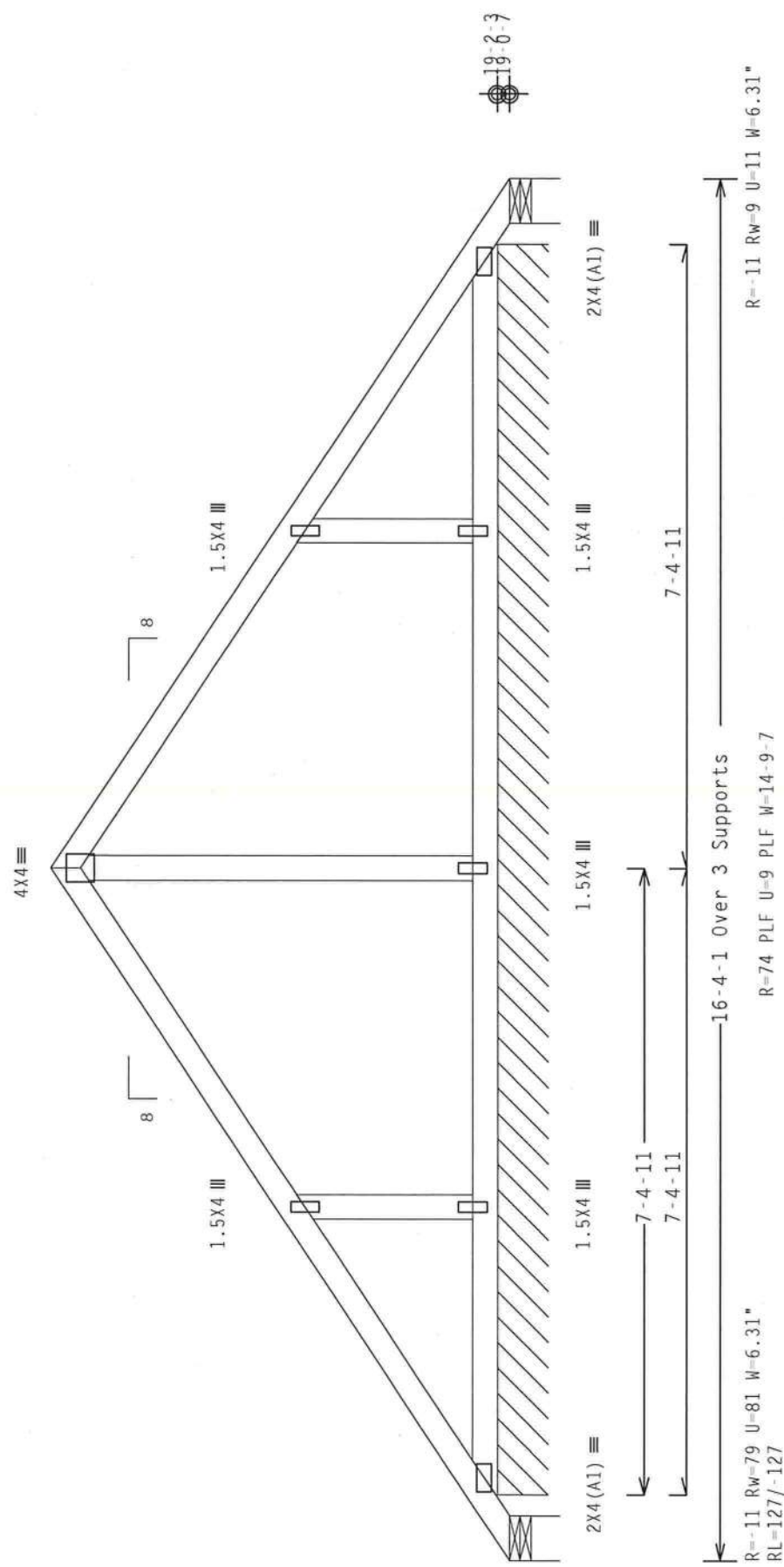
Refer to DWG PB1200109 for piggyback details.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 8.17
TC - From 64 PLF at 8.17 to 64 PLF at 16.34
BC - From 4 PLF at 0.00 to 4 PLF at 16.34

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

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



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

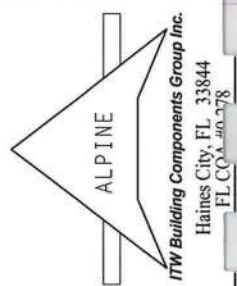
PLT TYP. Wave	QTY: 3		FL/-/4/-/R/-	Scale = .5"/Ft.	
	TC LL	20.0 PSF	REF	R8228-	18106
	TC DL	10.0 PSF	DATE	03/17/09	
	BC DL	10.0 PSF	DRW	HCUSR8228	09076037
	BC LL	0.0 PSF	HC-ENG	JB/DF	
TOT.LD.		40.0 PSF	SEQN	8987	
DUR.FAC.		1.25	FROM	AH	
SPACING		24.0"	JREF	1T018228Z01	

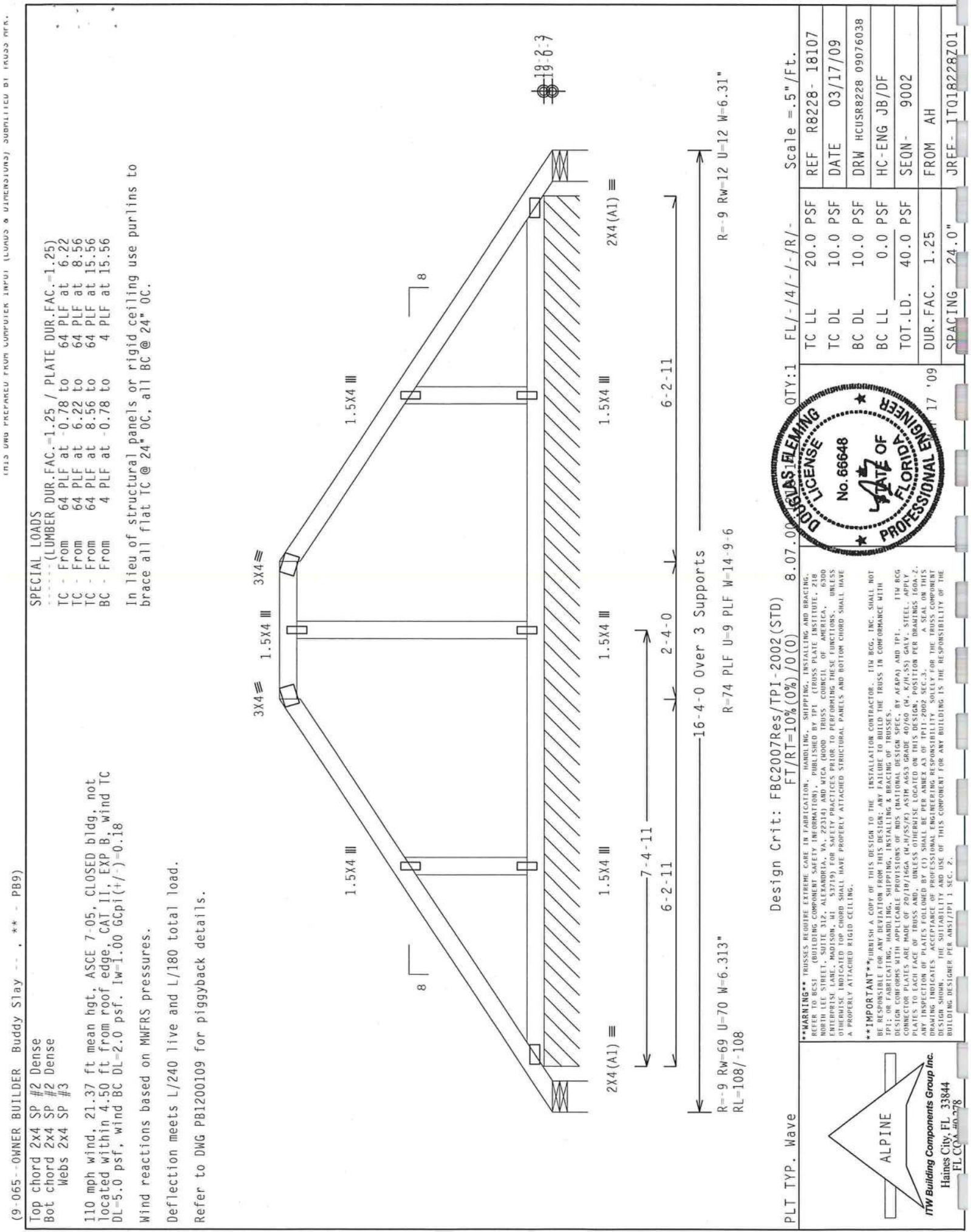


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 230 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND METCA CHORD TRUSS, COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/P&J AND TPI). ITW BCG CONNECTOR PLATES ARE MADE OF 2019/16GA (44-H/55/P) ASTM A653 GRADE 40/60 (4, K/M, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES THE ACCEPTANCE PROFESSIONAL ENGINEER'S RESPONSIBILITY 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.





(9-065--OWNER BUILDER Buddy Slay -- . ** - PB9)

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

110 mph wind, 21.37 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, lw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Refer to DWG PB1200109 for piggyback details.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -0.78 to 64 PLF at 6.22
TC - From 64 PLF at 6.22 to 64 PLF at 8.56
TC - From 64 PLF at 8.56 to 64 PLF at 15.56
BC - From 4 PLF at -0.78 to 4 PLF at 15.56

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

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

8.07.00

Scale = 5" / Ft.

PLT TYP. Wave

REF R8228- 18107

DATE 03/17/09

DRW HCUSR8228 09076038

HC-ENG JB/DF

SEQN- 9002

FROM AH

JREF- 1T018228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

QTY:1

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

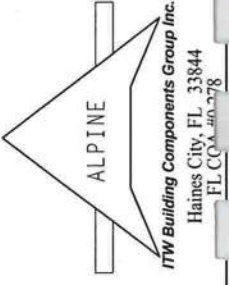
17 '09



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND MGA (GOOD 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. TPI 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/PJ AND TPI. TPI INC CONNECTOR PLATES ARE MADE OF 2019/16GA (4-H/55/8) ASTM A553 GRADE 40/60 (4, 8/11, 55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2. OBSERVATION OF PLATE FOR LAMINATED TRUSSES SHALL BE RESPONSIBILITY OF THE TRUSS MANUFACTURER'S DRAWING. 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	Dense
Bot	chord	2x4	SP	#2	Dense	
		webs	2x4	SP	#3	

1110 mph wind, 20.70 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, wind BC DL=2.0 psf, $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MwFRS pressures.

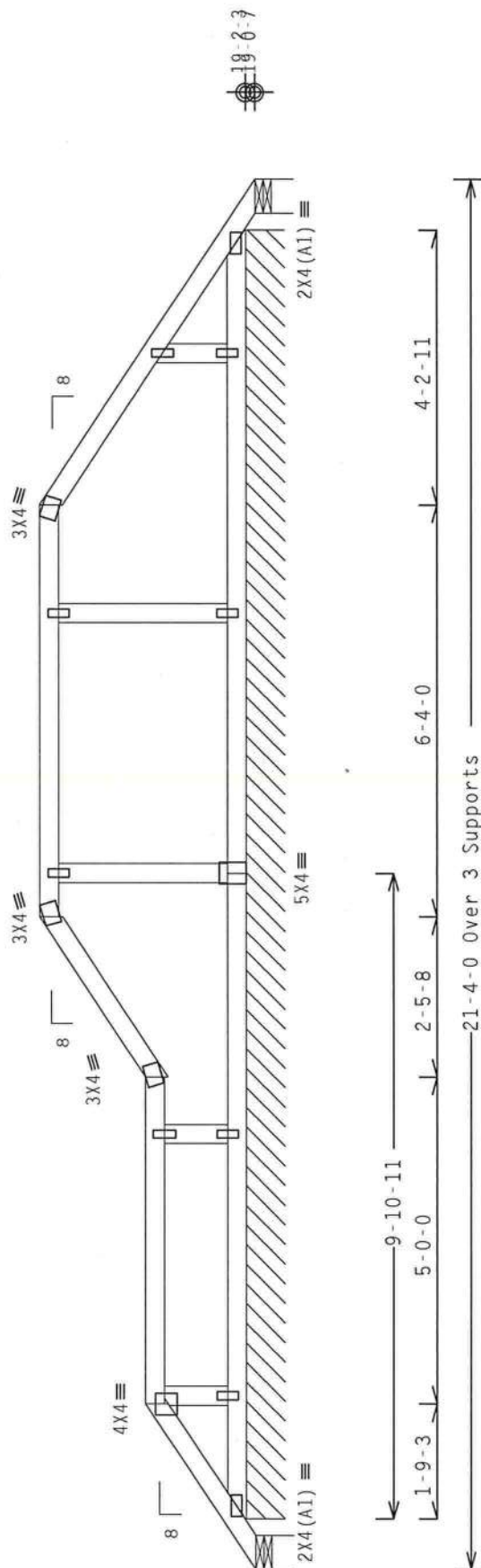
Deflection meets L/240 live and L/180 total load.

Refer to DWG PBL200109 for piggyback details.

SPECIAL LOADS

LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25		
TC - From	64 PLF at 0.00 to	64 PLF at 2.54
TC - From	64 PLF at 2.54 to	64 PLF at 7.54
TC - From	64 PLF at 7.54 to	64 PLF at 10.00
TC - From	64 PLF at 10.00 to	64 PLF at 16.33
TC - From	64 PLF at 16.33 to	64 PLF at 21.33
BC - From	4 PLF at 0.00 to	4 PLF at 21.33

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



R=25 RW=49 U=41 W=6.31"
 RL=75/-75

R=69 PLF U=12 PLF W=19-9-6

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

8.07.00.

Scale = .375"/Ft.

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

STANAS FLEA

8.07.00

(0) 0 / (%0)

FT/RT=10%

11. 51. 15.

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נ
ב

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 210 HUNTERS LANE, HUNTSVILLE, AL 35894. (205) 938-3141. SEE THE TRUSS PLATE INSTITUTE WEBSITE, WWW.TRUSSESGO.COM, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

****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 TROSS IN CONFORMANCE WITH ITW BCG, INC. SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TROSS DURING TRANSPORT, STORAGE, INSTALLING & RACING OF TROSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. 17M RIG.

CONNECTION PLATES ARE MADE OF 20/18/14 (N/55/53) LATH A653 GRADE 40/60 (N, K/H/55) GALV. STEEL, 160A-2

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED AS SHOWN, POSITION PER DRAWINGS. APPLY A SEAL ON THIS

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER. AMEX A3 OF TPI-2002 SEC. 3.2.

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

DESIGN SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



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

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

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

110 mph wind, 20.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $lw=1.00$ $GCP(+-)=0.18$

Wind reactions based on MWFRS pressures.

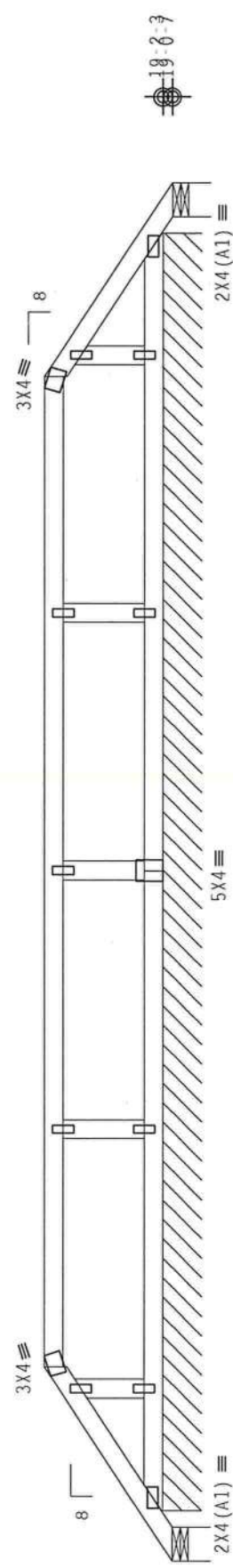
Deflection meets L/240 live and L/180 total load.

Refer to DWG PB1200109 for piggyback details.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 3.00
TC - From 64 PLF at 3.00 to 64 PLF at 18.33
TC - From 64 PLF at 18.33 to 64 PLF at 21.33
BC - From 4 PLF at 0.00 to 4 PLF at 21.33

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



2-2-11 9-10-11 15-4-0 21-4-0 Over 3 Supports
R=25 Rw=28 U=23 W=6.31"
RL=43/-43
R=69 PLF U=15 PLF W=19-9-6
R=25 U=5 W=6.31"

Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)



****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, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BEG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA NATIONAL DESIGN SPEC. BY AREA3 AND TPI. ITW BEG PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS, FIGS. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. A SEAL OR 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 3 SEC. 2.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL CCA 465378

QTY:1	FL/-4/-/-R/-	Scale = .375"/Ft.
TC LL	20.0 PSF	REF R8228- 18109
TC DL	10.0 PSF	DATE 03/17/09
BC DL	10.0 PSF	DRW HCUR8228 09076040
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 9021
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TQ18228Z01

CLB WEB BRACE SUBSTITUTION

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

NOTES:

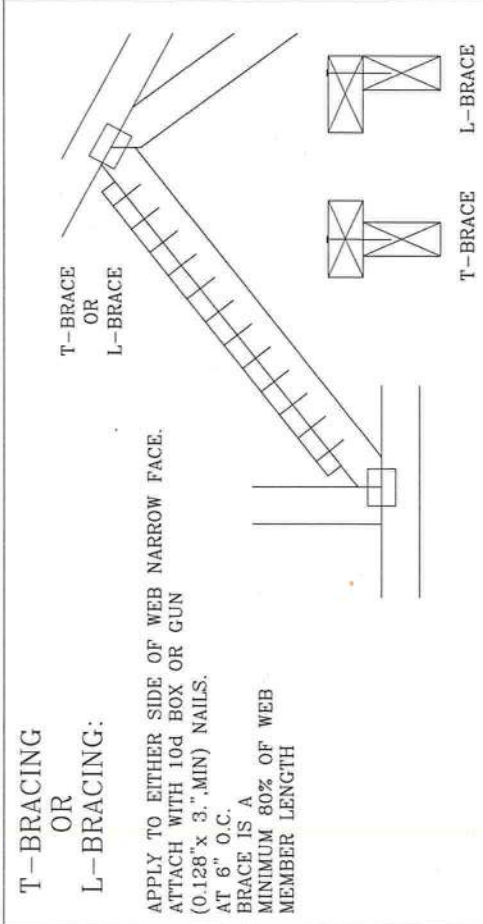
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING
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.



SCAB BRACING:

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

BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

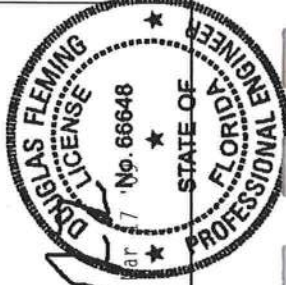


****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trussing, bracing, and temporary bracing. Refer to and follow BCSI (Building Components Safety Institute) for safety practices and these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) 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. ITWBCG connector plates are made of 2018/166A (W/H/S/K) ASTM A653 grade 37/40/60 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely of the Building Designer. ITWBCG shall not be responsible for use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2.

ITW-BGC: www.itwbcg.com; TPI: www.tpinet.com; ICC: www.iccsafe.org

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
EDUR. FAC.			
SPACING			



GABLE STUD REINFORCEMENT DETAIL

ASCE 7-05: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

#3 STUD	SOUTHERN PINE
STANDARD	STUD
STANDARD	STANDARD

GROUP B:

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

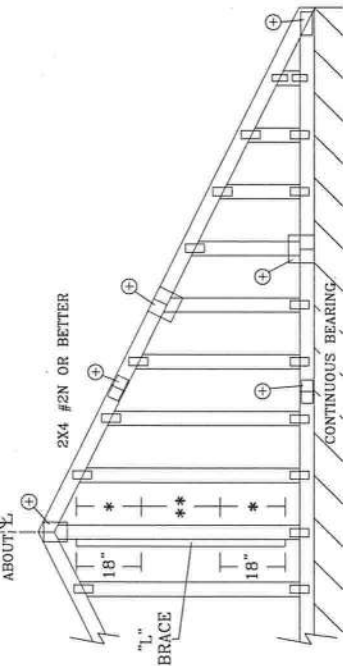
SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#1
#2	#2

CABLE TRUSS DETAIL NOTES:

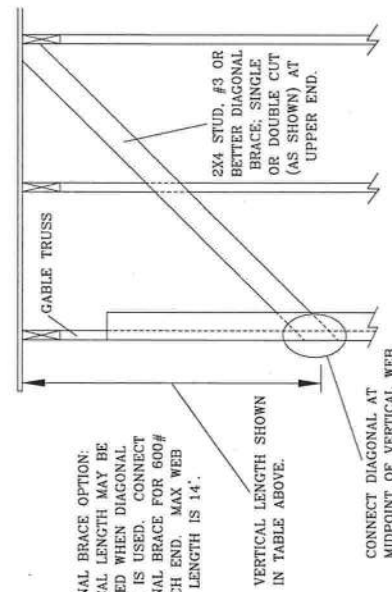
- LIVE LOAD DEFLECTION CRITERIA IS L/240.
- PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
- GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
- ATTACH EACH "L" BRACE WITH 10d NAILS.
- * FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4' O.C. BETWEEN ZONES.
- ** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6' O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2.5X4
GREATER THAN 11' 6"	3X4

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



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WCA) and BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing any work on these trusses. BCSI (Building Component Safety Information, by TPI and WCA) and BCSI (Building Component Safety Information, by TPI and WCA) shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

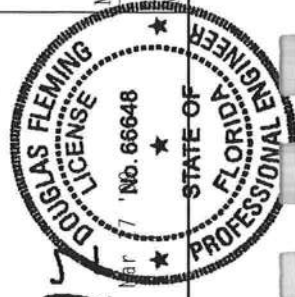
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) will not be responsible for any deviation from this design. Any failure to build the truss in conformance with TPI or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2019/16GA (W/H/S/K) ASTM A653 grade 37/40 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on joint details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TP1 Sec. 2.

ITW-BCSI: www.itwbcg.com, TPI: www.tpi.net, WCA: www.wcaindustry.com, ICC: www.iccsafe.org

REF: ASCE7-05-CAB1015
DATE: 1/1/09
DRWG: A11015050109

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"



Earth City, MO 63045

GABLE DETAIL FOR LET-IN VERTICALS

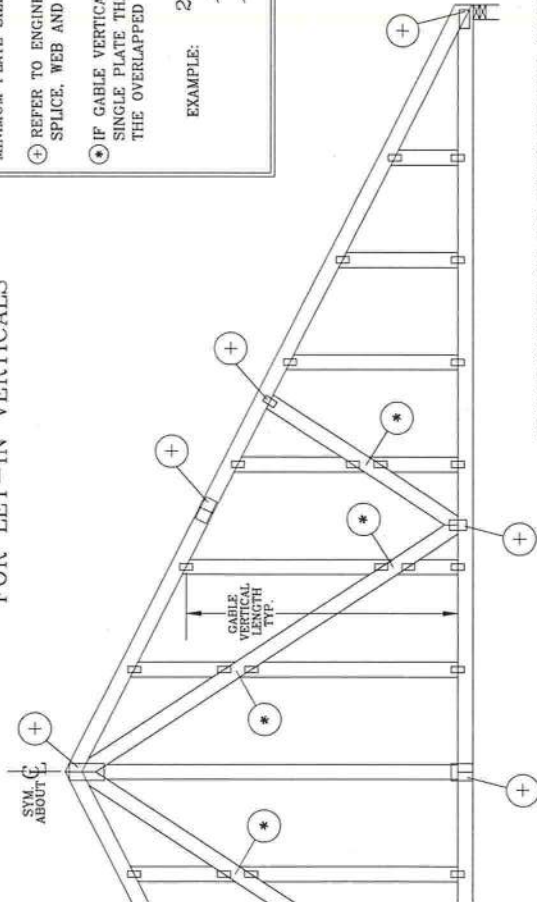
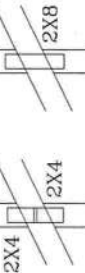
GABLE TRUSS PLATE SIZES

REFER TO APPROPRIATE ITW GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPICE, WEB AND HEEL PLATES.

⊙ IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF THE OVERLAPPED PLATES TO SPAN THE WEB.

EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

END DRIVEN NAILS:

- 10d COMMON (0.148" X 3" MIN) NAILS AT 4" O.C. PLUS
- (4) NAILS IN TOP AND BOTTOM CHORD.

TOENAIL NAILS:

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

THIS DETAIL TO BE USED WITH THE APPROPRIATE ITW GABLE DETAIL FOR ASCE WIND LOAD.

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015980109, A12015980109, A10115980109, A10015980109, A13030980109, A12030980109, A11030980109, A10030980109

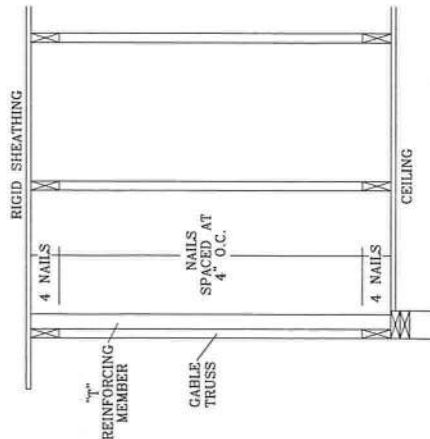
ASCE 7-02 GABLE DETAIL DRAWINGS

A13015020109, A12015020109, A10115020109, A10015020109, A13030020109, A12030020109, A11030020109, A10030020109

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015050109, A12015050109, A10115050109, A10015050109, A13030050109, A12030050109, A11030050109, A10030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.



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****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

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Earth City, MO 63045

"T" REINFORCEMENT ATTACHMENT DETAIL

"T" REINFORCING MEMBER



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

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

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	"T" INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
30 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
30 FT	2x6	50 %
120 MPH	2x4	10 %
15 FT	2x6	50 %
30 FT	2x6	50 %
120 MPH	2x4	10 %
30 FT	2x6	40 %
110 MPH	2x4	10 %
15 FT	2x6	40 %
110 MPH	2x4	10 %
30 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	10 %
30 FT	2x6	40 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
30 FT	2x6	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT. $K_{zt} = 1.00$

GABLE VERTICAL = 24" O.C. SP #3

"T" REINFORCING MEMBER SIZE = 2X4

"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10

(1) 2X4 "L" BRACE LENGTH = 6' 7"

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

1.10 x 6' 7" = 7' 3"

REF LET-IN VERT

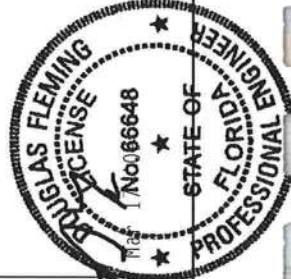
DATE 1/1/09

DRWG GBLTNO109

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"



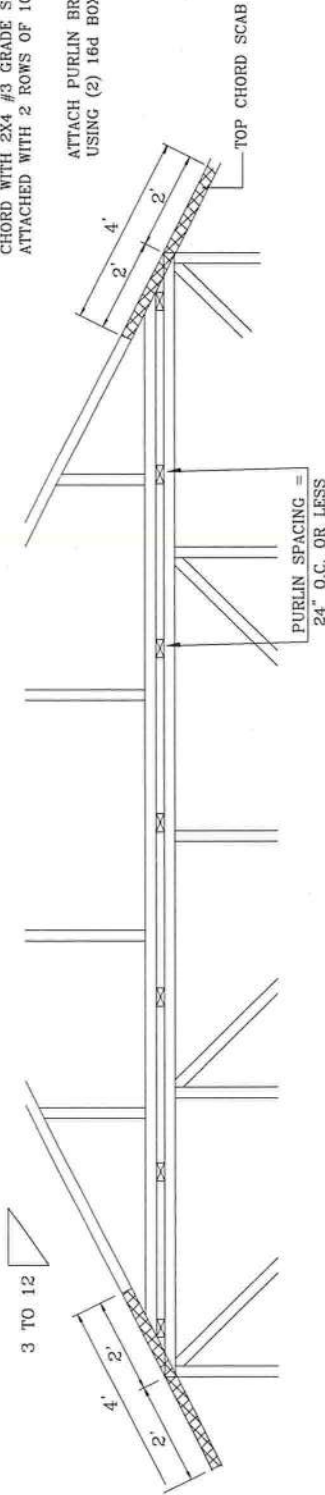
120 PIGGYBACK DETAIL

UP TO 120 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND DL= 5.0 PSF KZT=1.0.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. THE BUILDING ENGINEER OF RECORD SHALL PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

•• REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR PIGGYBACK AND BASE TRUSS SPECIFICATIONS.

DETAIL A

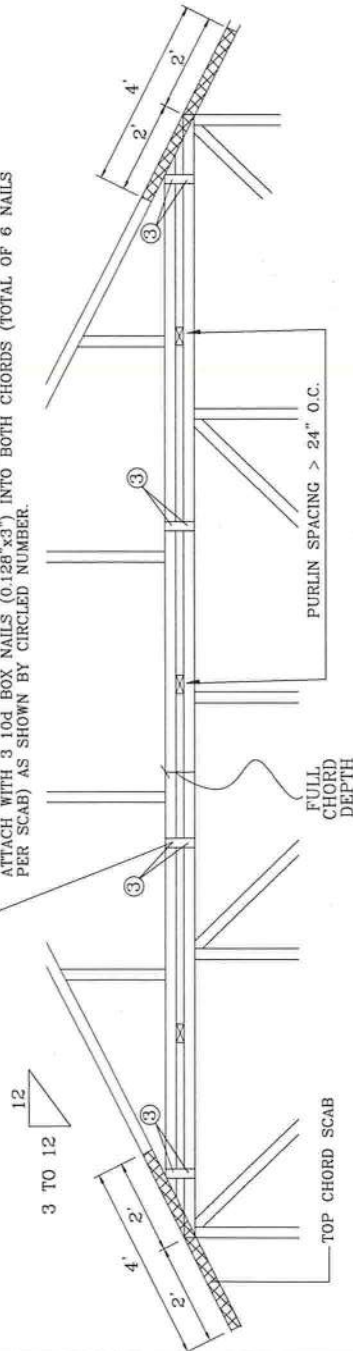


PIGGYBACK CAP TRUSS SLANT NAILED TO ALL TOP CHORD PURLIN BRACING WITH (2) 16d BOX NAILS (0.135"x3.5") AND SECURE TOP CHORD WITH 2x4 #3 GRADE SCAB (1 SIDE ONLY AT EACH END) ATTACHED WITH 2 ROWS OF 10d BOX NAILS (0.128"x3.0") AT 4" O.C.

ATTACH PURLIN BRACING TO THE FLAT TOP CHORD USING (2) 16d BOX NAILS (0.135"x3.5")

DETAIL B

PIGGYBACK CAP TRUSS NAILED TO TOP CHORD OF BASE TRUSS AND SECURED WITH 2x4 SPF#2, FULL CHORD DEPTH SCABS @ 8" O.C. EACH FACE, STAGGERED 4" O.C. ATTACH WITH 3 10d BOX NAILS (0.128"x3") INTO BOTH CHORDS (TOTAL OF 6 NAILS PER SCAB) AS SHOWN BY CIRCLED NUMBER.



PIGGYBACK CAP TRUSS SLANT NAILED TO ALL TOP CHORD PURLIN BRACING WITH (2) 16d BOX NAILS (0.135"x3.5") AND SECURE TOP CHORD WITH 2x4 #3 GRADE SCAB (1 SIDE ONLY AT EACH END) ATTACHED WITH 2 ROWS OF 10d BOX NAILS (0.128"x3.0") AT 4" O.C.

ATTACH PURLIN BRACING TO THE FLAT TOP CHORD USING (2) 16d BOX NAILS (0.135"x3.5")

ALTERNATE ATTACHMENTS	
TRULOX	USE 3x8 TRULOX PLATES FOR 2x4 CHORD MEMBER, AND 3x10 TRULOX PLATES FOR 2x6 AND LARGER CHORD MEMBERS. ATTACH TO EACH FACE @ 8" O.C. WITH (4) 0.120 x1.375" NAILS INTO CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. TRULOX PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.
PLYWOOD GUSSET	8"x8"x1/2" RATED SHEATHING GUSSETS (EACH FACE). ATTACH @ 8" O.C. WITH (8) 6d COMMON (0.113"x2") NAILS PER GUSSET. (4) IN CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. GUSSETS MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

••WARNING•• READ AND FOLLOW ALL NOTES ON THIS SHEET

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Earth City, MO 63045

REF PIGGYBACK

DATE 1/1/09

DRWG PB1200109



SPACING 24.0"

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE Bay Ave

City: Lake City

Phone: 386 752-1703

Site Location: Subdivision LAKE CITY Country Club

Lot # 10 **Block#**

Permit # 28095

Address 694 NW Fairway Dr. MARVIN & MARY SLAY

Product used

Active Ingredient

% Concentration

☒ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☐ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Dwelling / BACK PATIO

3400

281

231.7

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

9/29/09

Date

7:50

Time

F299

Print Technician's Name

Remarks: Front PATIO NOT ready

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

