

DATE 06/22/2011

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000029494

APPLICANT REBECCA THOMAS PHONE 386.623.5084
ADDRESS 547 SW DYAL AVENUE LAKE CITY FL 32024
OWNER MIKE ROBERTS PHONE 386.755.9476
ADDRESS 603 SW CHESTERFIELD CIRCLE LAKE CITY FL 32024
CONTRACTOR REBECCA THOMAS PHONE 386.623.5084

LOCATION OF PROPERTY 47-S TO C-242,TR TO ARROWHEAD,TL TO CROSSWINDS S.D.,TL ON
CHESTERFIELD AND FOLLOW AROUND TO 2ND LOT ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 101100.00
HEATED FLOOR AREA 1508.00 TOTAL AREA 2022.00 HEIGHT 16.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
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 24-4S-16-03117-155 SUBDIVISION CROSSWINDS
LOT 55 BLOCK PHASE 2 UNIT TOTAL ACRES 0.50

CBC1256094
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 11-0269 BLK TC N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 2627

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 \$ 510.00 CERTIFICATION FEE \$ 10.11 SURCHARGE FEE \$ 10.11
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 605.22

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.

COLUMBIA COUNTY OFFICE OF 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 24-4S-16-03117-155

Building permit No. 000029494

Use Classification SFD/UTILITY

Fire: 70.62

Permit Holder REBECCA THOMAS

Waste: 184.25

Owner of Building MIKE ROBERTS

Total: 254.87

Location: 603 SW CHESTERFIELD CIRCLE, LAKE CITY, FL 32024

Date: 11/03/2011

Ray Cur

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Revised
☒ WELL LETTER

Columbia County Building Permit Application

Rebecca's
☒ LIABILITY

For Office Use Only		Application #	1106-24	Date Received	6/9	By	JL	Permit #	29494
Zoning Official	BK	Date	20 Jan 2011	Flood Zone	X	Land Use	Res. Low Density	Zoning	RSF-2
FEMA Map #	N/A	Elevation	N/A	MFE	1/4 mile	River	N/A	Plans Examiner	J.C.
Comments									
☒ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☒ Well letter ☐ 911 Sheet ☐ Parent Parcel #									
☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter									
IMPACT FEES: EMS _____ Fire _____ Corr _____									
Road/Code _____ School _____ = TOTAL (Suspended) ☐ App Fee Paid									
☒ Sub VF Form ☒ PLASTER CONTRACTOR									

Septic Permit No. 11-0269

Fax 386-755-1933

Name Authorized Person Signing Permit Rebecca G. Thomas

Phone 386-623-5084

623-5079-R.T. de

Address 547 SW Dyal Avenue Lake City FL 32024

Owners Name Mike Roberts

Phone (386) 755-9476

911 Address 403^{SW} Chesterfield Circle Lake City FL 32024

Contractors Name Thomas Const. of Lake City Inc

Phone 386-623-5084

Address 547 SW Dyal Avenue Lake City FL 32024

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Mark Disasway P.E. PO Box 868 Lake City FL 32056

Mortgage Lenders Name & Address

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

Property ID Number 24-45-16-03117-155

Estimated Cost of Construction \$90,000

Subdivision Name Crosswinds

Lot 58 Block _____ Unit _____ Phase 2

Driving Directions Hwy 47 South Turn Right on CR 242 Turn Left on Arrowhead Road Turn Right into Crosswinds Subdivision Turn Left onto Chesterfield Circle.

number of Existing Dwellings on Property follow around circle thru 2nd on R

Construction of Residential Housing - SF2

Total Acreage .5 Lot Size 104' x 214'

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Total Building Height 16' 4 3/4"

Actual Distance of Structure from Property Lines - Front 26' Side 20' Side 26' Rear 78'

Number of Stories 1 Heated Floor Area 1508 Total Floor Area 2022 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.

JL spoke w/ Rebecca 6-20-11 cl# 2627

COLUMBIA COUNTY OFFICE OF CIVIL ENGINEERING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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Use Classification SFD/UTILITY

Fire: 70.62

Permit Holder REBECCA THOMAS

Waste: 184.25

Owner of Building MIKE ROBERTS

Total: 254.87

Location: 603 SW CHESTERFIELD CIRCLE, LAKE CITY, FL 32024

Date: 11/03/2011

Steve Cline

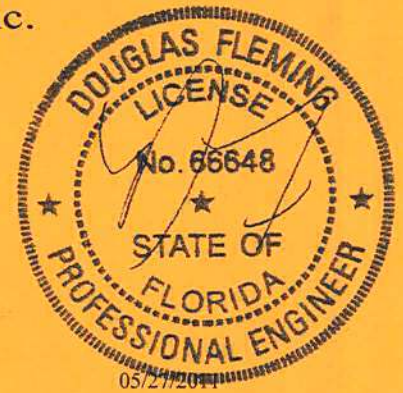
Building Inspector

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: IUCA487-Z0227132941



Truss Fabricator: Anderson Truss Company
Job Identification: 11-116--Fill in later MIKE ROBERTS -- , **
Truss Count: 26
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 9.05.
Structural Engineer of Record: The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

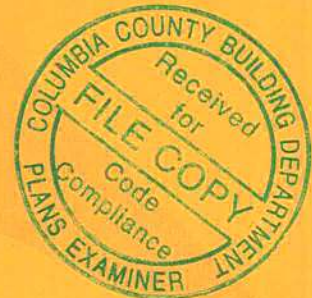
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Douglas Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-A1101505-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	85654--H7A		11147025	05/27/11
2	85655--H9A		11147010	05/27/11
3	85656--H11A		11147011	05/27/11
4	85657--A		11147012	05/27/11
5	85658--A1		11147013	05/27/11
6	85659--HM7A		11147026	05/27/11
7	85660--HM9A		11147014	05/27/11
8	85661--HS11A		11147015	05/27/11
9	85662--HS13A		11147016	05/27/11
10	85663--HS15A		11147017	05/27/11
11	85664--AH1		11147018	05/27/11
12	85665--AV1		11147019	05/27/11
13	85666--AV		11147020	05/27/11
14	85667--BGE		11147027	05/27/11
15	85668--B		11147021	05/27/11
16	85669--B1		11147022	05/27/11
17	85670--H7C		11147028	05/27/11
18	85671--C		11147023	05/27/11
19	85672--CJ1		11147029	05/27/11
20	85673--HJ7		11147030	05/27/11
21	85674--CJ3		11147024	05/27/11
22	85675--CJ5		11147031	05/27/11
23	85676--EJ7		11147032	05/27/11
24	85677--HJ5		11147033	05/27/11
25	85678--EJ5		11147034	05/27/11
26	85679--H5M		11147035	05/27/11





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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpf (+/-)=0.18	Top chord	2x4	SP #2	Dense
	Bot chord	2x4	SP #2	Dense
	Web	2x4	SP #3	

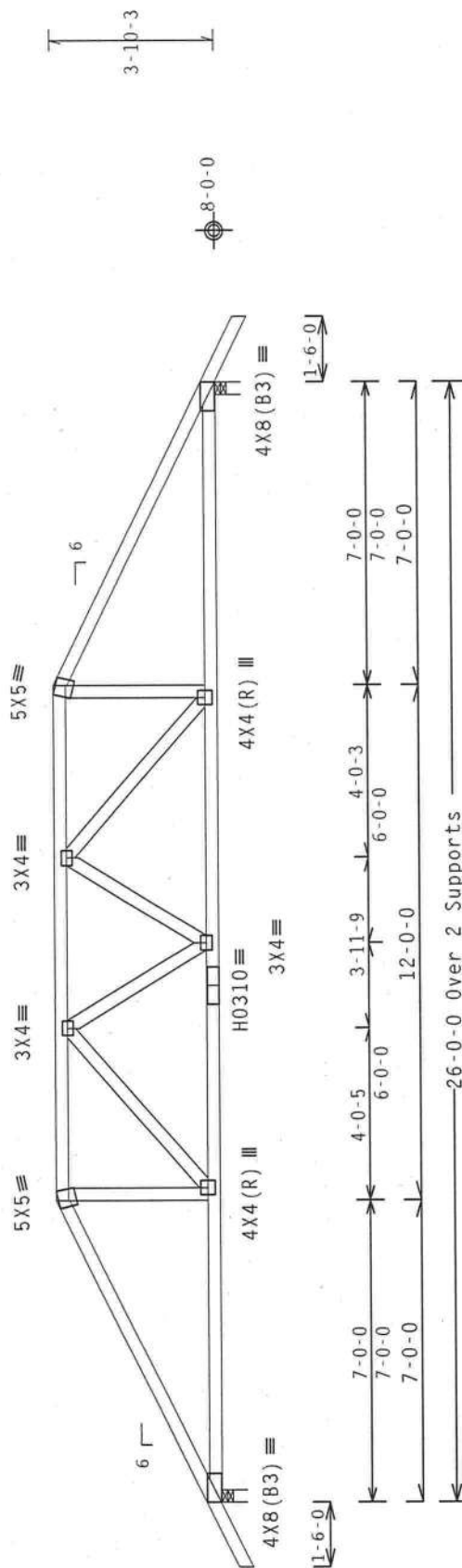
Roof overhang supports 2.00 psf soffit load.

In lieu of structural panels use purfins to brace all flat TC @ 24"

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

Wind reactions based on MWFRS pressures.

#1 hip supports 7-0-0 jacks with no webs.

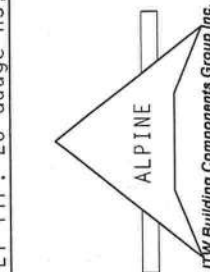


R=2216 H=963 W=3.5"

R=2216 U=963 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

Scale = .25"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FL CQA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
KNOW YOUR DESIGN TEAM CONTRACTORS INCLUDING INSTALLERS.

Trussing require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following information regarding the design and construction of BCS1 building Component Safety Information, by following the practices prior to performing these functions. Install structural steel members, attaching bracing between columns and girders, and attaching shear walls, attached structural sheathing and bottom chord members noted otherwise. See Figure 8-7 through 8-9 for details of connections shown for permanent lateral restraining of webs.

Install bracing installed per BCS1 sections 8-7 or 8-10, as applicable.

The Building Components Group, Inc. (LBGBC) shall not be responsible for any deviation from the manufacturer's instructions for use in accordance with ANSI TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face and position as shown above and on the Joint Details. Unless noted otherwise, Refer to drawings 1600-2 for standard plate positions. A seal with drawing or cover plate listing this design is required. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per TPI 1 Sec.2.2. For more information, visit this job's general notes page: lbgbc.com, www.tbccy.com, www.tpi1.net, www.tbciindustry.com

No. 6648

NO. 00010

STATE OF

...

FLORIDA

2013年10月15日

...JANUARY...

Continued

	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, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

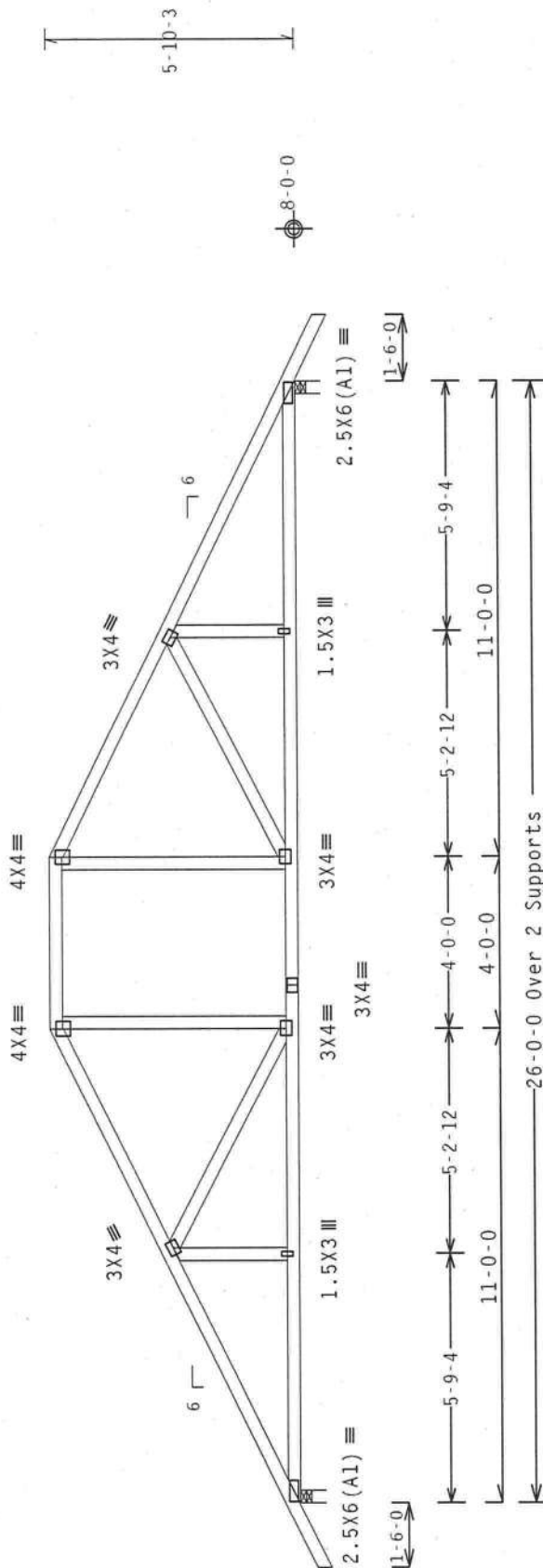
Wind reactions based on MWFRS pressures.

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.

MMFRS loads based on trusses located at least 7.50 ft. from roof edge.



R-1171 U-308 W-3.5"
RL-212/-212

R-1171 U-308 W=3.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

Scale = .25"/Ft.

F11-141-1-1R/-

19/17

3C200/Res/1H
ET/PT=20%/10

Design Crit:

OUT TYPE

11/11/2010

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

PROHIBITION: NO WORK TO BE DONE TO A CONCRETE SLAB, EMPLOYMENT, INSTALLATION

Fruses require extreme care in fabricating, handling, shipping, installing and bracing. Reader to consult the latest edition of AISC's Building Component Safety Information, by JPL and AISC, consistently.

Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord

shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or placing of trusses. Apply plate to each face of truss and position as shown above on the Joint.

Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering registration and use of this design or any structure designed therefrom. The suitability and use of this design or any structure designed therefrom is solely the responsibility of the design engineer.

ICC: 0000-1005076-079

	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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

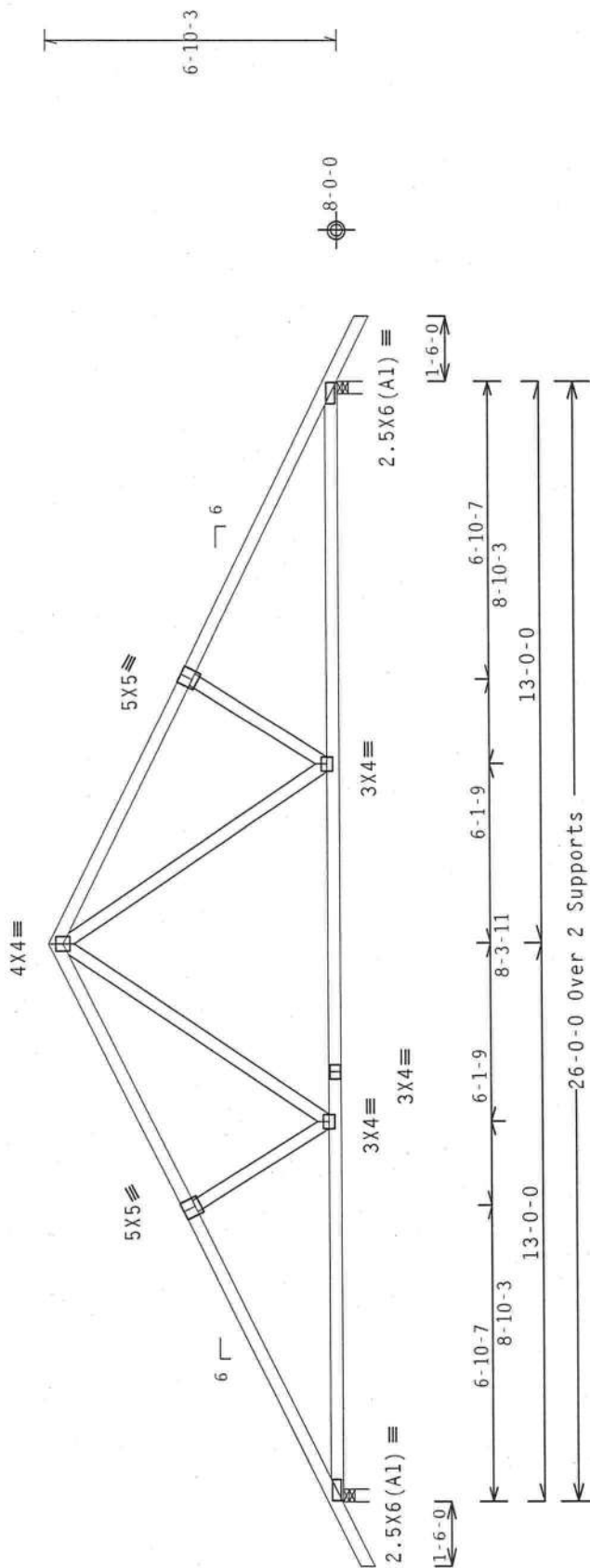
Wind reactions based on MWFRS pressures.

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

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

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

MMWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=1237 U=306 W=3.5"
RL=243/-243

R-1237 U=306 W=3.5"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

Scale = .25"/Ft.

(11-116--Fill in later MIKE ROBERTS -- ** - A1)

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

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

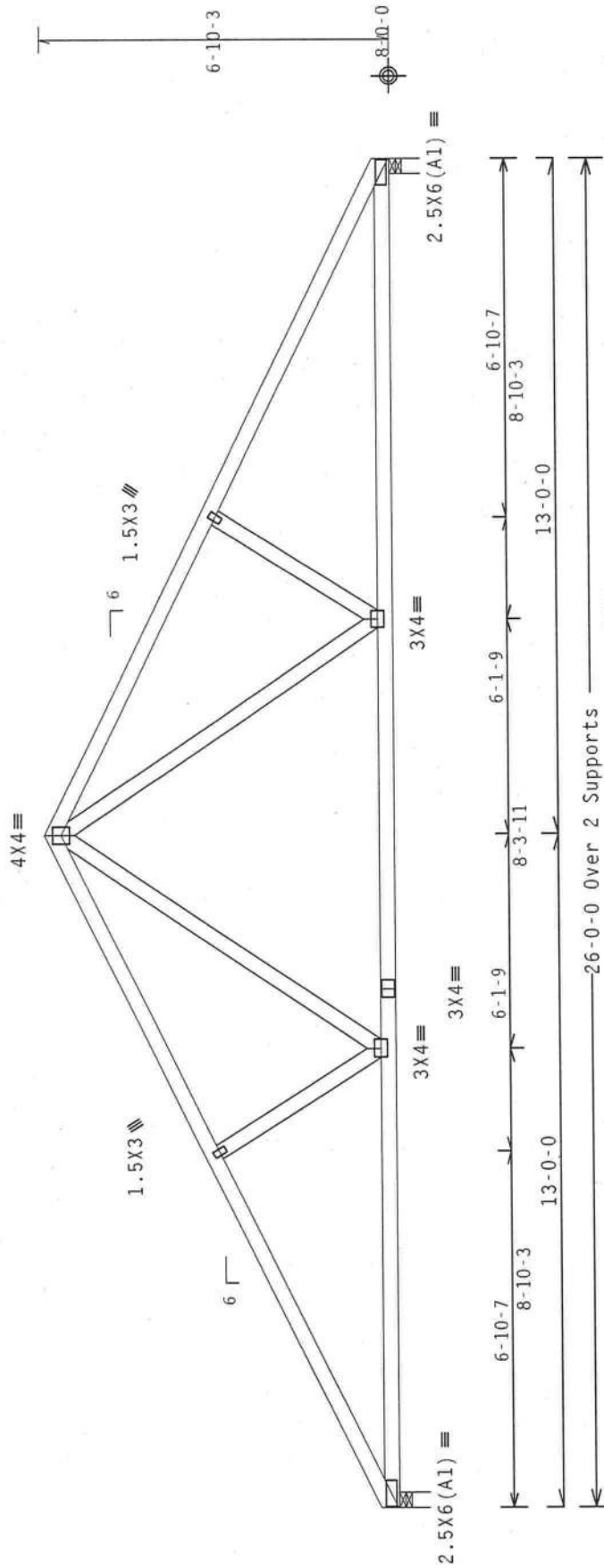
Deflection meets L/240 live and L/180 total load.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

MMFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=1136 U=270 W=3.5"

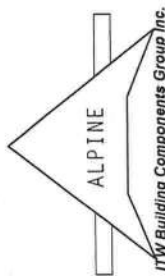
R=1135 U=270 W=3.5"
RL=197/-197

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

Scale = .3125"/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	R487--	85658
DATE	05/27/11	
DRW	HCUSR487	11147013
HC-ENG	DF/DF	*
SEQN	206331	
JREF	1UCA487_Z02	



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

PLT TYP. Wave

DOUGLAS FLEMING
LICENSE
No. 06648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
05/27/2011

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSI sections 93, 87 or 816, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to all connections in accordance with drawings 160A-2 for standard plate positions. A seal on the design or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-116--Fill in later MIKE ROBERTS -- ** - HM7A)

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

Roof overhang supports 2.00 psf soffit load.

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

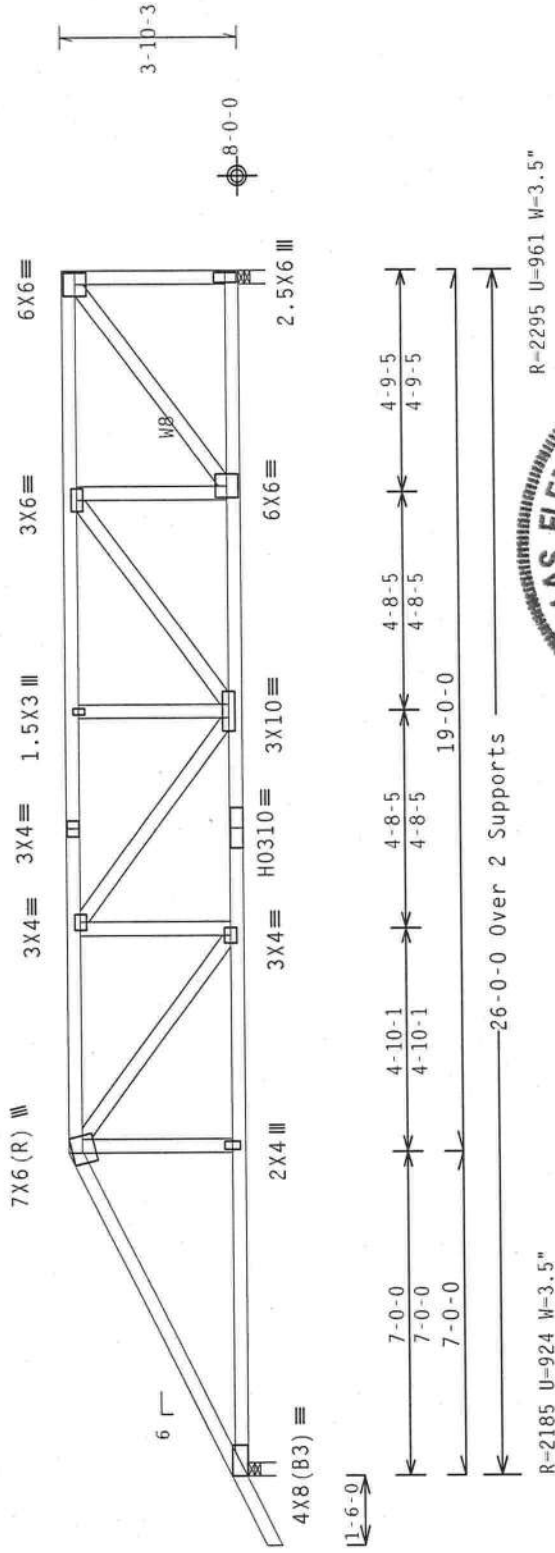
Deflection meets L/240 live and L/180 total load.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 G_{CPI}(+/-)=0.18

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

#1 hip supports 7-0-0 jacks with no webs.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

PLT TYP. 20 Gauge HS, Wave

Scale = .25" / Ft.

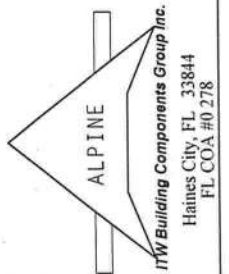
TC LL	20.0 PSF	REF	R487 -- 85659
TC DL	10.0 PSF	DATE	05/27/11
BC DL	10.0 PSF	DRW	HCUSR487 11147026
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN	206287
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1UCA487_Z02



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IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: IPIW-BCG: www.ipeco.com; IPI: www.ipeco.com; ICA: www.icca-safe.org



(11-116--Fill in later MIKE ROBERTS --, ** - HM9A)

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"

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

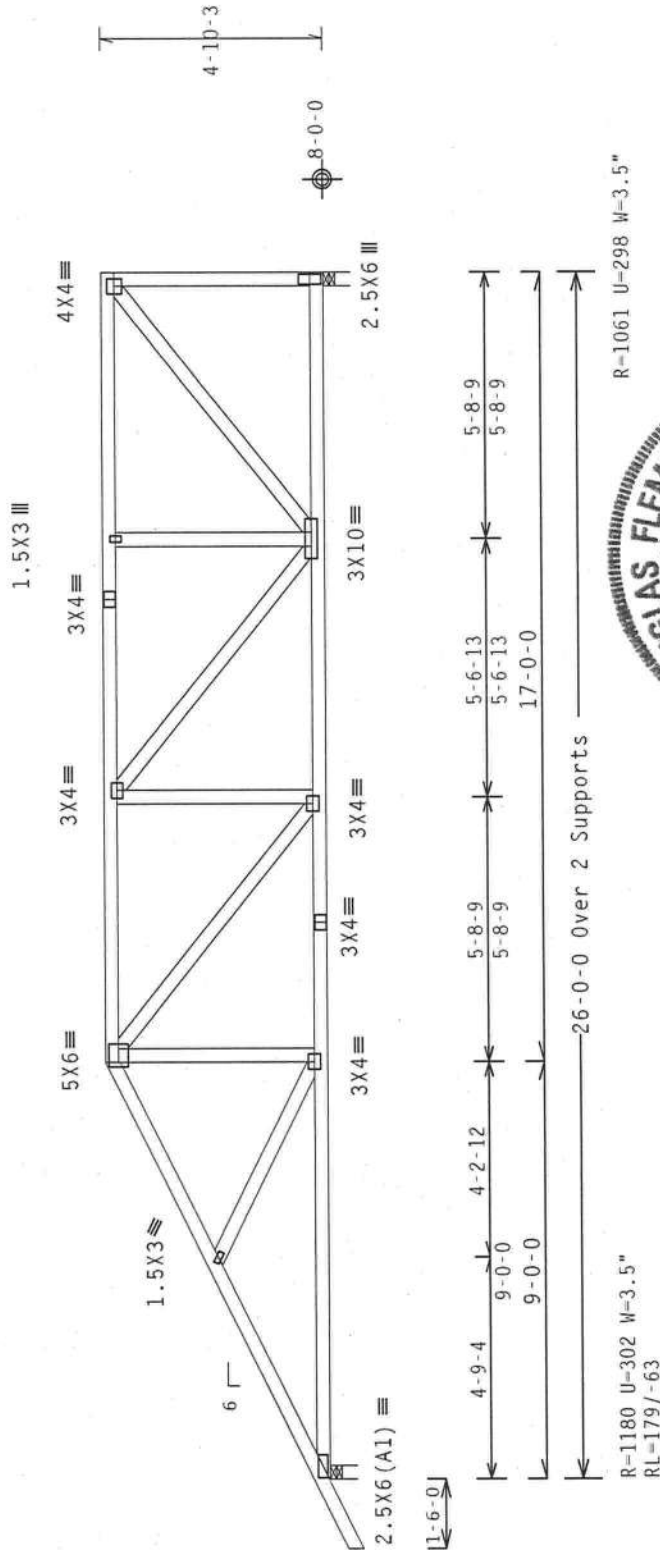
110 mph wind, 15.00 ft mean hgt. ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



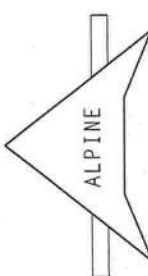
R-1061 U-298 W-3.5"

R-1180 U-302 W-3.5"
RL-179/-63

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%)/0 (0)

PLT TYP. Wave

Scale = .25" / Ft.

 ALPINE nW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	PLT TYP. Wave		Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=20% (0%)/0 (0)		Scale = .25" / Ft.	
	R-1180 U-302 W-3.5" RL-179/-63		R-1061 U-298 W-3.5"		QTY 1	
	4-9-4		4-2-12		TC LL	
	9-0-0		5-8-9		TC DL	
	9-0-0		5-6-13		BC DL	
	17-0-0		5-8-9		BC LL	
	26-0-0 Over 2 Supports		2.5X6 III		TOT.LD.	
	1.5X3 III		3X4 III		DUR.FAC.	
	5X6 III		3X4 III		SPACING	
	3X4 III		3X4 III		REF R487 --	
	3X4 III		3X4 III		DATE	
	3X4 III		3X4 III		DRW	
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Connections for all members shall be made in accordance with BCSI sections 85, 87 or 810, as applicable. ITW Building Components Group Inc. (ITWBCGI) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with the design. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCGI: www.itwbcgi.com; TPI: www.tpinet.org; NICA: www.nicaindstry.com; ICC: www.iccsafe.org	No. 66848		9.05.03.0319.17		HC-ENG DF/DF	
	DOUGLAS FLEMING		LICENSE		SEQN -	
	STATE OF		FLORIDA		206290	
	PROFESSIONAL ENGINEER		05/27/2011		JREF -	
	11-116--Fill in later MIKE ROBERTS --, ** - HM9A		Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3		11147014	
	Roof overhang supports 2.00 psf soffit load.		In lieu of structural panels use purlins to brace all flat TC @ 24"		10CA487_Z02	

(11-116--Fill in later MIKE ROBERTS --, ** - HS13A)

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

(A) Continuous lateral bracing equally spaced on member.

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

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

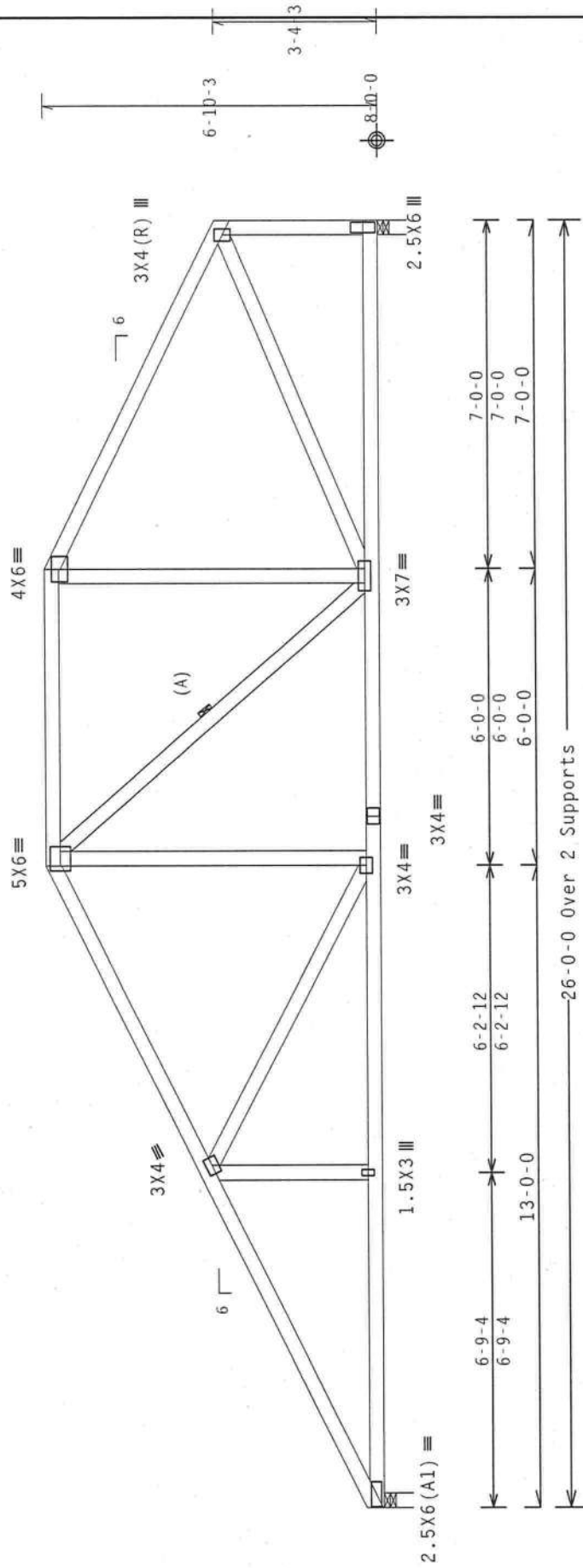
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpl(+/-)=0.18

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.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=1065 U=281 W=3.5"

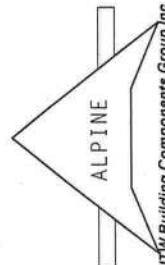
R=1077 U=269 W=3.5"

RL=174/-128

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

PLT TYP. Wave

Scale = .3125"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.				No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 05/27/2011				TC LL	20.0	PSF
	IMPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BESI (Building Component Safety Information, by TPI and MCAI) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BESI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint for web shall have bracing installed per BESI sections B3, B7 or B10, as applicable.								TC DL	10.0	PSF
	ITW Building Components Group Inc. (ITWBG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates as indicated on drawings. Refer to drawings 160A-2 for standard plate positions. A seal is required on cover plate listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BG3; www.itwbg.com; TPI: www.tpinet.org; MCAI: www.bcsiindustry.com; ECC: www.tccsafe.org								BC DL	10.0	PSF
									BC LL	0.0	PSF
									TOT.LD.	40.0	PSF
									DUR.FAC.	1.25	
								SPACING	24.0"		
								REF	R487 -	85662	
								DATE	05/27/11		
								DRW	HCUSR487	11147016	
								HC-ENG	DF/DF	*	
								SEQN-	206306		
								JREF-	1UCA487_Z02		

	Top chord	2x4	SP #2	Dense
	Bot chord	2x4	SP #2	Dense
	Webbs	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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

Wind reactions based on MWFRS pressures.

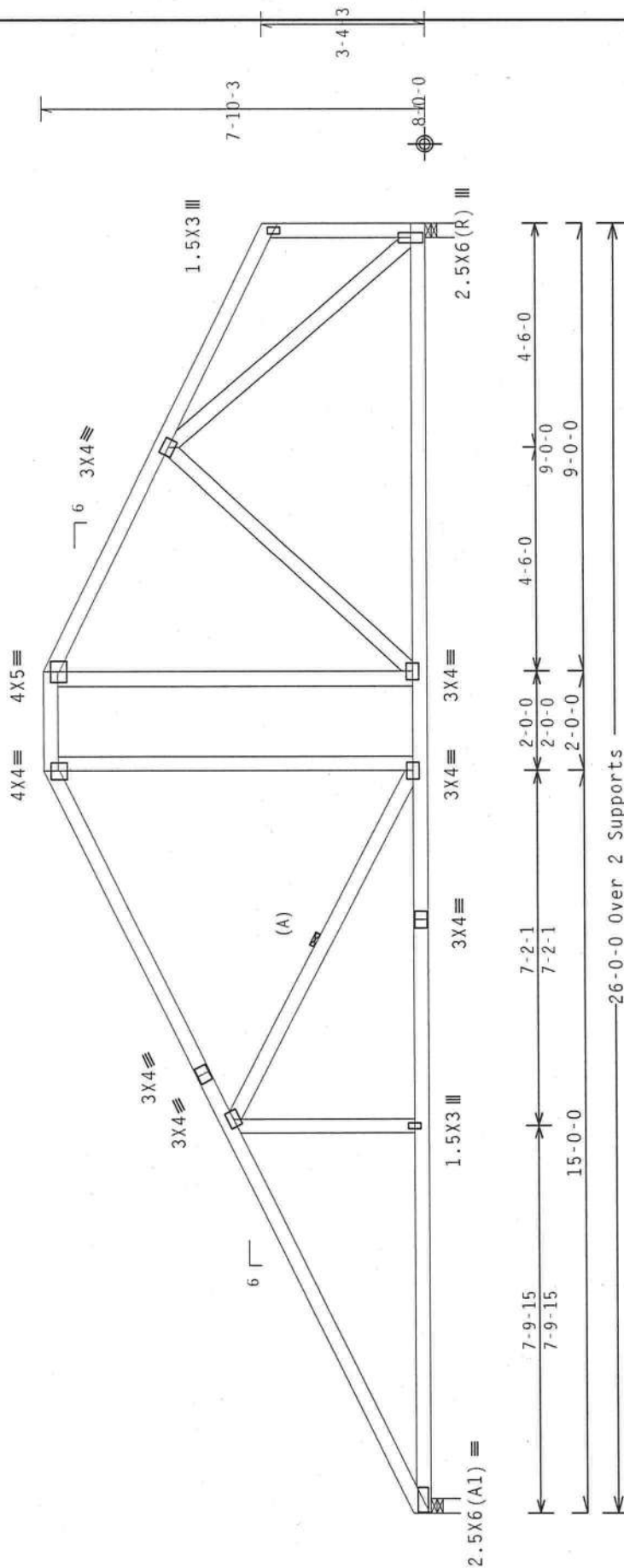
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Right end vertical not exposed to wind pressure.

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

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

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R-1077 U=98 W=3.5"
RL=204/-159

R=1065 U=79 W=3.5"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

Scale = .3125" / Ft.

(11-116--Fill in later MIKE ROBERTS -- ** - AHI)

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

(A) Continuous lateral bracing equally spaced on member.

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

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

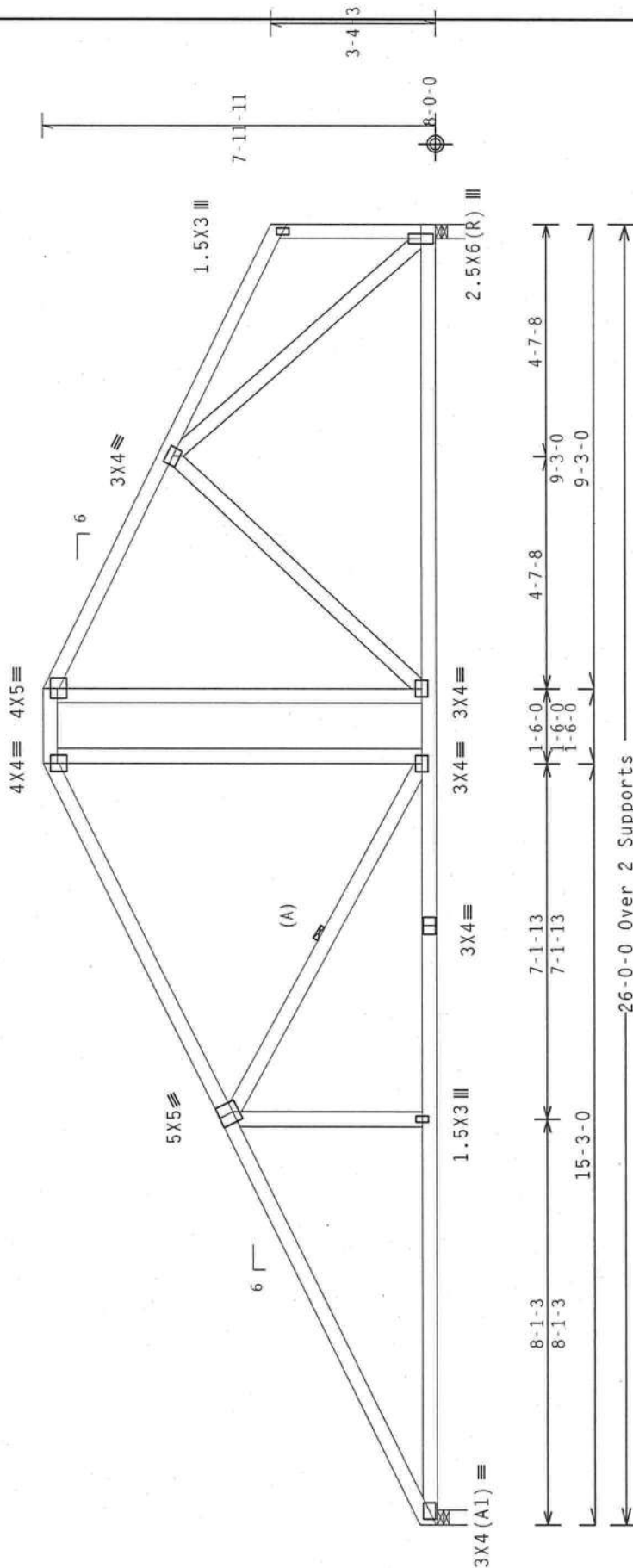
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpl (+/-)=0.18

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.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=1077 U=94 W=3.5"
RL=208/-162

R=1065 U=79 W=3.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

FL/-/4/-/-/R/- Scale = .3125"/Ft.

TC LL	20.0 PSF	REF R487--	85664
TC DL	10.0 PSF	DATE	05/27/11
BC DL	10.0 PSF	DRW	HCUSR487 11147018
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	206328
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UCA487_Z02

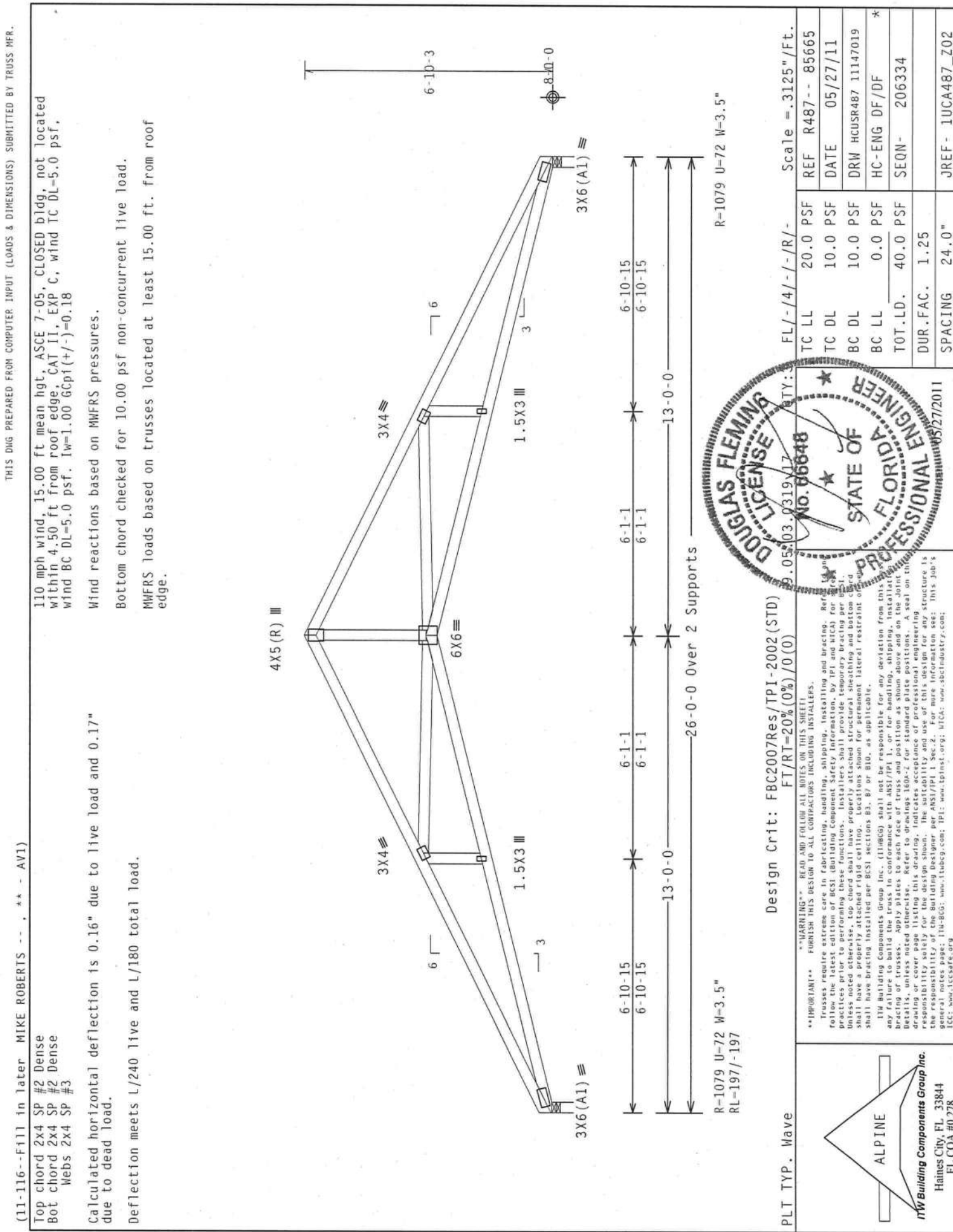
IMPORTANT!! READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following edition of BCS Building Component Safety Information, by TPI and BCSA for details and practices prior to performing these functions. Installers shall provide temporary bracing per BCSA. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSA sections B3, B7 or B10, as applicable.

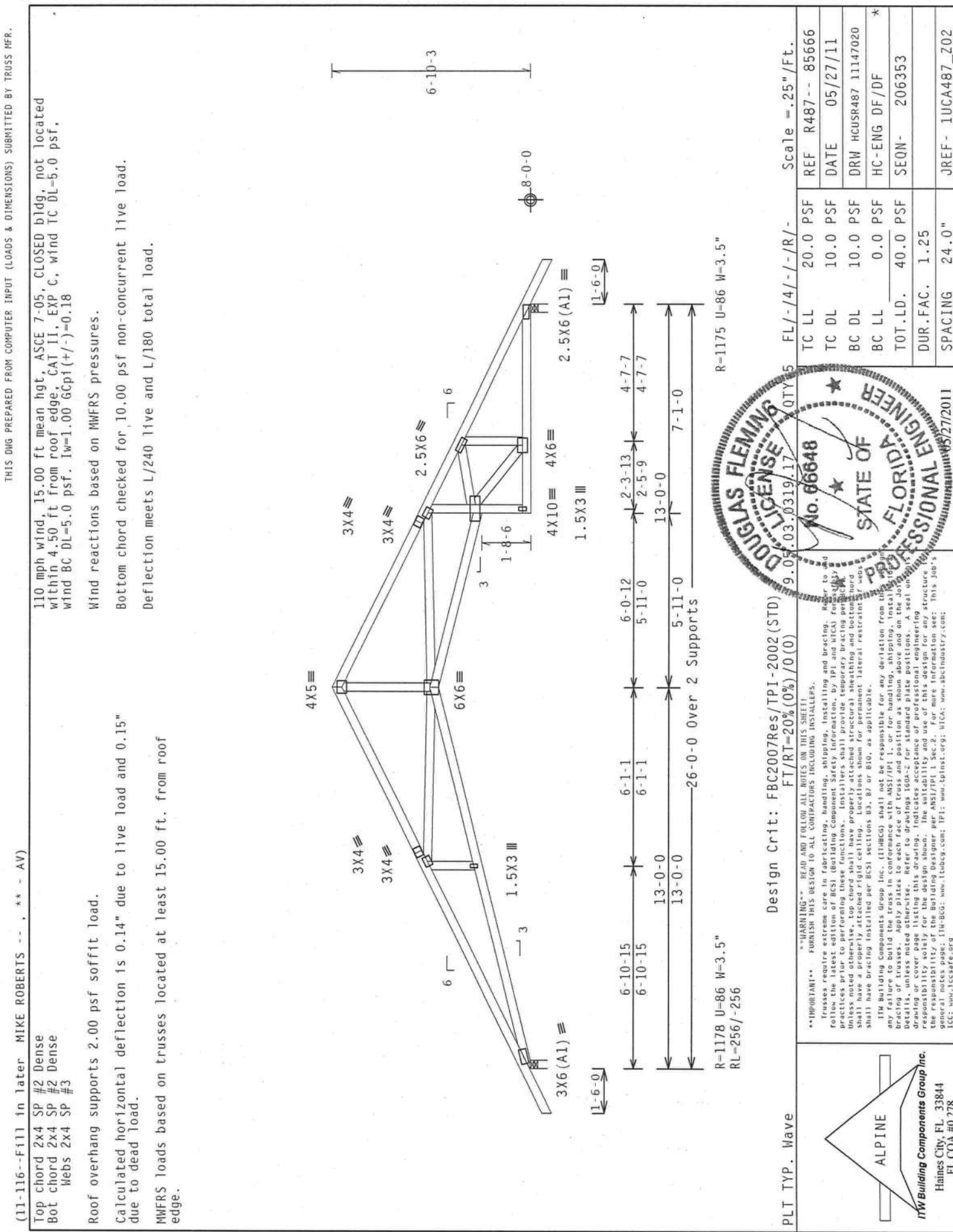
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint end of trusses. Refer to drawings 1000-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: T1W-BCG: www.t1wbcg.com; TPI: www.tpinst.org; NICA: www.sbcindustrial.com; ICC: www.iccsafe.org

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
05/27/2011

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278





THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(11-116--Fill in later MIKE ROBERTS --, ** - AV)

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

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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.

R-1178 U-86 W-3.5"
RL-256/-256

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%)/0 (0)

PLT TYP. Wave	Scale = .25" / Ft.
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	REF R487 -- 85666
	DATE 05/27/11
	DRW HCUSR487 11147020
	HC-ENG DF/DF *
	SEQN- 206353
	DUR.FAC. 1.25
	SPACING 24.0"
	JREF- 1UCA487_202

(11-116--Fill in later MIKE ROBERTS -- ** - BGE)

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.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

Stacked top chord must NOT be notched or cut in area (NML). Dropped top chord braced at 24" o.c. intervals. 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.

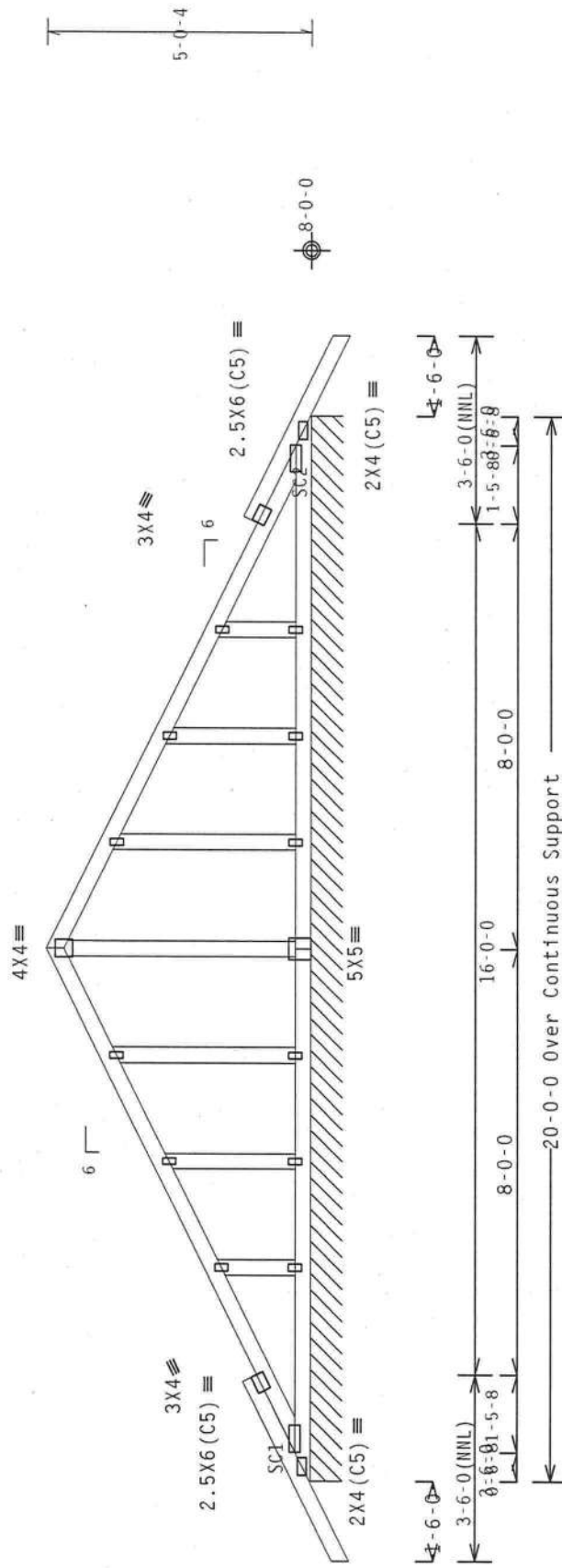
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

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



R-118 PLF U-24 PLF W-20-0-0
RL-10/-10 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .3125"/Ft.

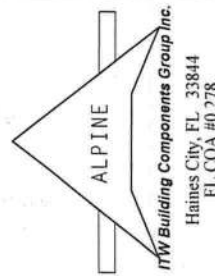


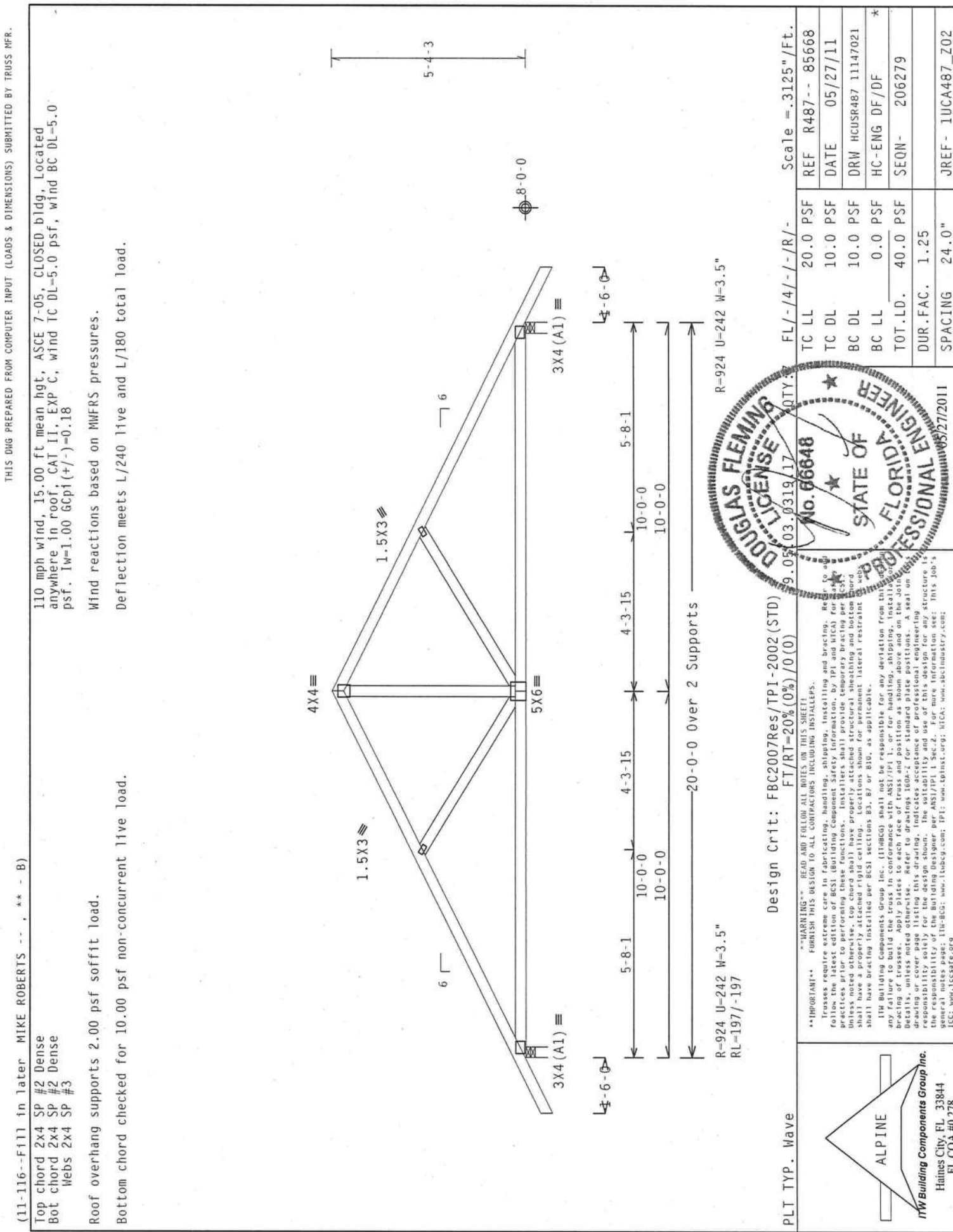
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the details of this design. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal or drawing or cover page listing this design, indicates acceptance of professional engineering responsibility solely for this design shown. The applicability and use of this design for any structure other than that for which it was specifically designed is the responsibility of the user. This job's general notes page: ITH-BCG: www.ithbcg.com; IPI: www.tpiinst.org; NICA: www.theindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	FL/-4/-1-R/-	REF	R487--	85667
TC DL	10.0 PSF		DATE	05/27/11	
BC DL	10.0 PSF		DRW	HCUSR487	11147027
BC LL	0.0 PSF		HC-ENG	DF/DF	
TOT.LD.	40.0 PSF		SEQN-	206274	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UCA87_Z02	





THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(11-116--Fill in later MIKE ROBERTS -- . ** - B)

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, Located
anywhere in roof, CAT II, EXP C, wind TC DL-5.0 psf, wind BC DL-5.0
psf. Iw=1.00 GCpl(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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.

R-924 U-242 W-3.5"
RL=197/-197

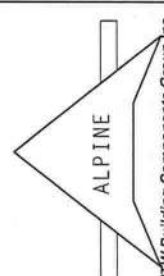
R-924 U-242 W-3.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

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

Scale = .3125"/Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		No. 06648		TC LL	20.0	PSF	REF	R487--	85668
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for details on the correct erection and bracing of trusses. The contractor shall be responsible for the proper erection and bracing of the truss. The contractor shall have a properly attached structural sheathing and bottom chord bracing installed per BCSI sections 83, 87 or 810, as applicable.		★		TC DL	10.0	PSF	DATE	05/27/11	
	The contractor shall be responsible for the proper erection and bracing of the truss. The contractor shall have a properly attached structural sheathing and bottom chord bracing installed per BCSI sections 83, 87 or 810, as applicable.		★		BC DL	10.0	PSF	DRW	HCUSR487	11147021
	The contractor shall be responsible for the proper erection and bracing of the truss. The contractor shall have a properly attached structural sheathing and bottom chord bracing installed per BCSI sections 83, 87 or 810, as applicable.		★		BC LL	0.0	PSF	HC-ENG	DF/DF	*
	The contractor shall be responsible for the proper erection and bracing of the truss. The contractor shall have a properly attached structural sheathing and bottom chord bracing installed per BCSI sections 83, 87 or 810, as applicable.		★		TOT.LD.	40.0	PSF	SEQN-	206279	
			★		DUR.FAC.	1.25				
				SPACING	24.0"		JREF-	1UCA487_Z02		

(11-116--Fill) in later MIKE ROBERTS -- , ** - C)

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

Roof overhang supports 2.00 psf soffit load.

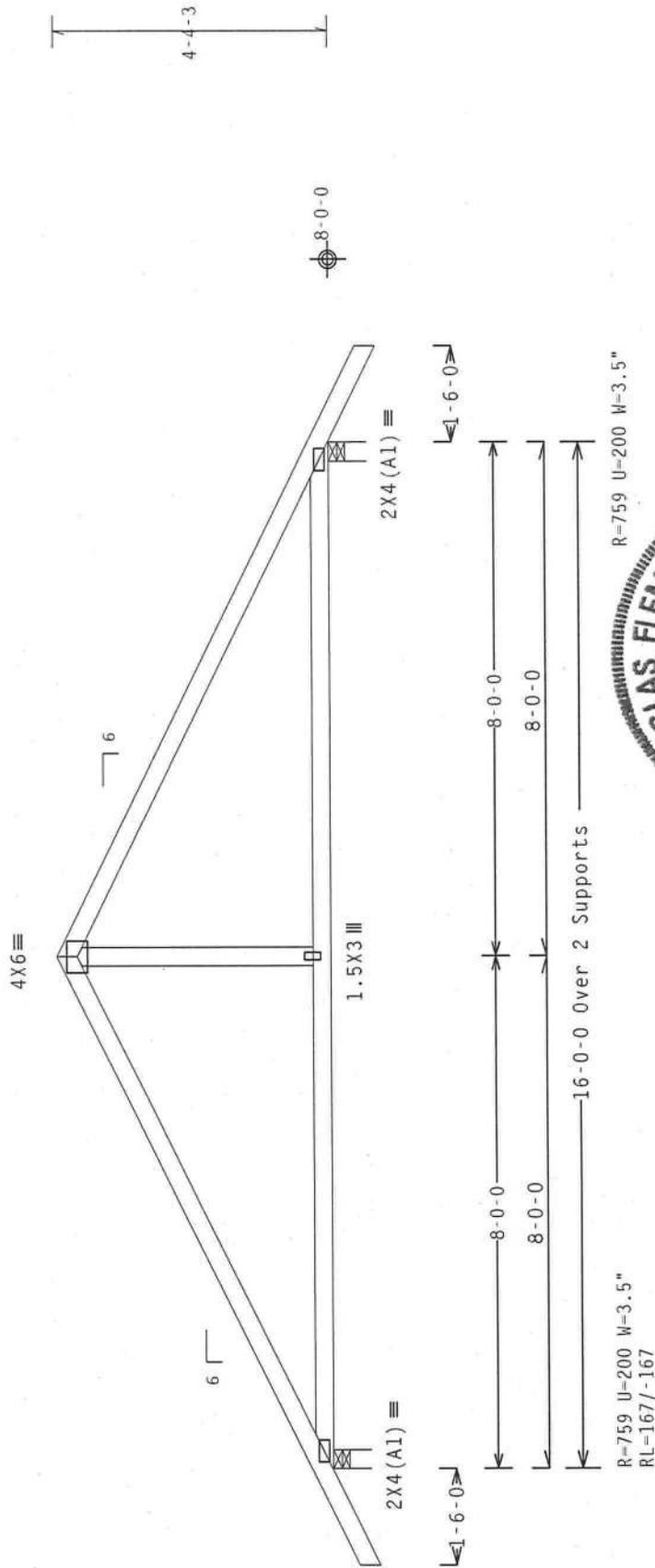
Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

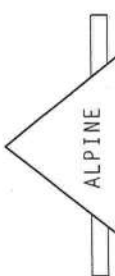


Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .375"/Ft.



 ALPINE nw Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	PLT TYP. Wave		Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=20%(0%)/0(0)		Scale = .375"/Ft.	
	R=759 U-200 W-3.5" RL=167/-167		R=759 U-200 W-3.5"		TC LL	20.0 PSF
	8-0-0		8-0-0		TC DL	10.0 PSF
	8-0-0		8-0-0		BC DL	10.0 PSF
	16-0-0 Over 2 Supports		16-0-0 Over 2 Supports		BC LL	0.0 PSF
				TOT.LD.		40.0 PSF
				DUR.FAC.		1.25
				SPACING		24.0"
				JREF		1UCA487_Z02

11-116--Fill		MIKE ROBERTS		-- , ** - C)	
Top chord 2x4 SP #2 Dense		Bot chord 2x4 SP #2 Dense		Webs 2x4 SP #3	
Roof overhang supports 2.00 psf soffit load.		Bottom chord checked for 10.00 psf non-concurrent live load.		MWFRS loads based on trusses located at least 7.50 ft. from roof edge.	
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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf (+/-)=0.18		Wind reactions based on MWFRS pressures.		Deflection meets L/240 live and L/180 total load.	
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.					

(11-116--Fill in later MIKE ROBERTS -- , ** - (CJ1)

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

Roof overhang supports 2.00 psf soffit load.

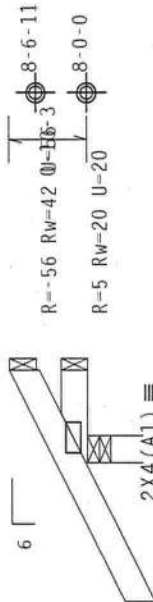
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI (+/-)=0.18

Wind reactions based on MWFRS pressures.

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



1-6-0 →
1-0-0 Over 3 Supports

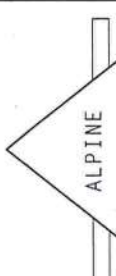
R=254 U=95 W=3.5"
RL=42/-32

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

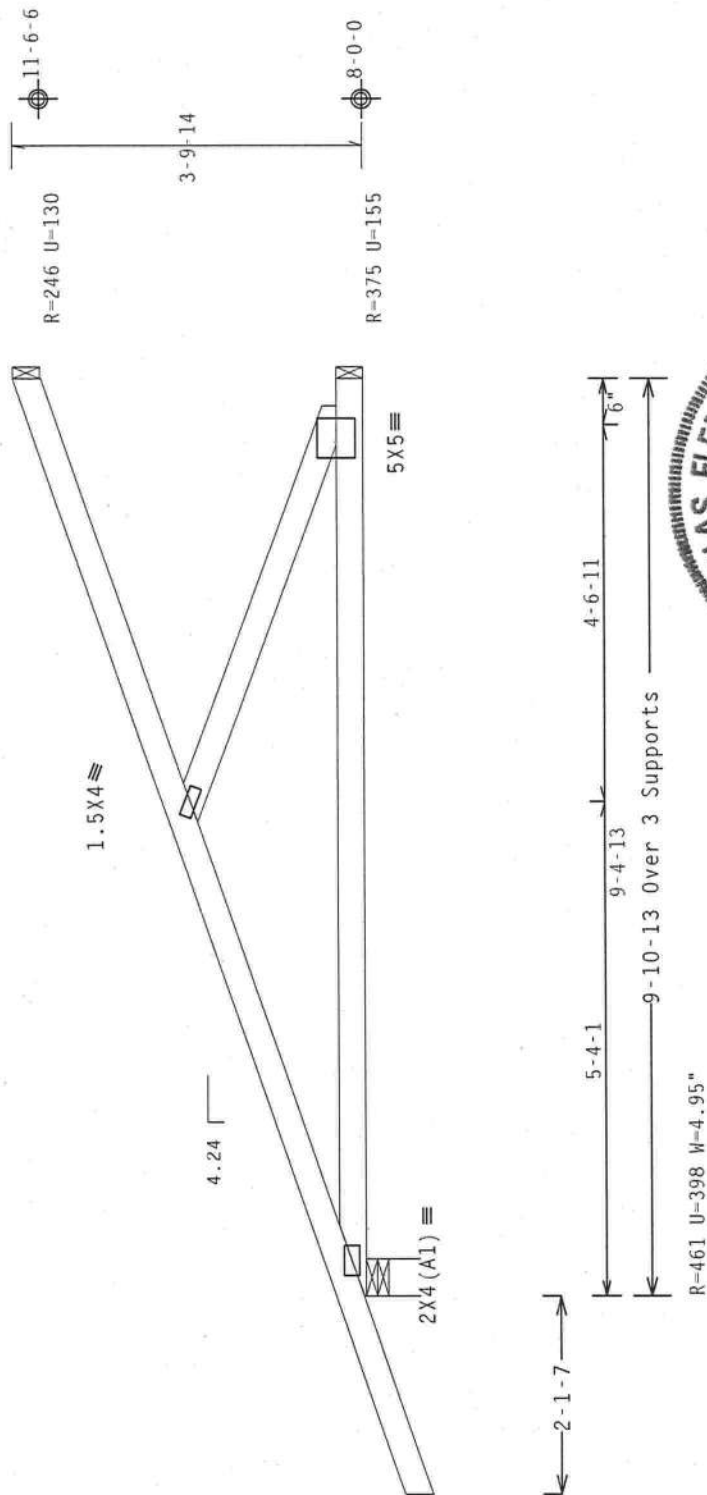
FL / - / 4 / - / - / R / -

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		No. 06648		REF R487 -- 85672			
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per code. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint only. Shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.				DATE 05/27/11			
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, inspecting, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1000-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org				DRW HCUSR487 11147029			
			TC LL 20.0 PSF		HC-ENG DF/DF			
			TC DL 10.0 PSF		SEQN- 206247			
			BC DL 10.0 PSF		DUR.FAC. 1.25			
			BC LL 0.0 PSF		SPACING 24.0"			
			TOT.LD. 40.0 PSF		JREF- 1UCA487_Z02			

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

Scale = .5"/Ft.

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

05/03/2019 17:00

BC200/KES/IFT-2002 (310)
FT/RT=20%(0%) 10(0)

Design Crit:

PLT TYP. Wave

REF	R487--	85673
DATE	05/27/11	
DRW	HCUSR487	11147030
HC-ENG	DF/DF	
SEQN-	206259	
JREF-	1UCA487	Z02

The seal is circular with a dashed outer border. Inside the border, the text "STATE OF FLORIDA" is written in a semi-circle at the top, and "PROFESSIONAL ENGINEER" is written in a semi-circle at the bottom. In the center, the number "No. 66648" is printed vertically. To the right of the number, the date "06/27/2011" is printed vertically. The seal is stamped over the signature of the registrant.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of ANSI Building Components Safety Information, Volume 1, for details and practices prior to performing the erection of the trusses. The contractor shall be responsible for the proper bracing of the trusses. The contractor shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of the trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

THE Building Components Group, Inc. (TBCG) shall not be responsible for any deviation from this drawing or specifications. The contractor shall be responsible for any handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal or drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/SPRI 1 Sec.2. For more information see: The general notes page: 1N-BGQ: 1-14bicy.com; 1P1600:1p1600.com; HCKA: www.hckadustry.com;



ALPINE
Building Components
Haines City, FL 33844

(11-116--Fill in later MIKE ROBERTS --, ** - CJ3)

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

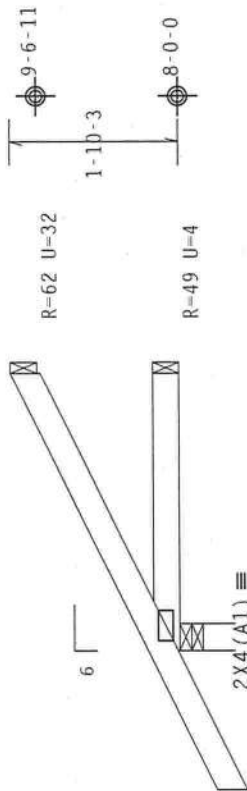
Root overhang supports 2.00 psi static load.

Wind reactions based on MWFRS pressures.

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

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

Provide (2) 16d common nails(0.162"x3.5"). toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"). toe nailed at Bot chord.



3-0-0 Over 3 Supports

R=262 U=64 W=3.5"
RL=76/-40

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%) / 0(0)

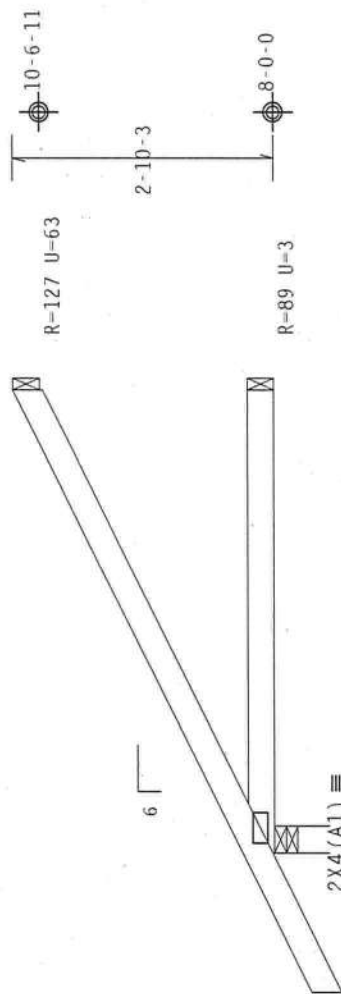
Scale = .5"/Ft.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1-6-0

←5-0-0 Over 3 Supports

R=331 U=71 W=3.5"
RL=110/-48

Design Crit: FBC2007Res/TPI-2002(STD)
 FT/RT=20%(0%)/0(0)

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

05/27/2011

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET.**

****IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Components Safety Program) Manual for all practices, bracing and details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint in webs shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the details shown on this drawing. ITWBCG shall not be responsible for any failure to build the truss in conformance with ANSI/JPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the building details shown on this drawing. For more information see: This job's general notes; ITW-8005; www.itwbcg.com; JPI: www.jpintest.org; NCA: www.ncastruct.com; ICC: www.iccsafe.org

TC LL	20.0	PSF	REF	R487--	85675
TC DL	10.0	PSF	DATE	05/27/11	
BC DL	10.0	PSF	DRW	HCUSR487	11147031
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	206253	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UCA487_Z02	

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

Roof overhang supports 2.00 psf soffit load.

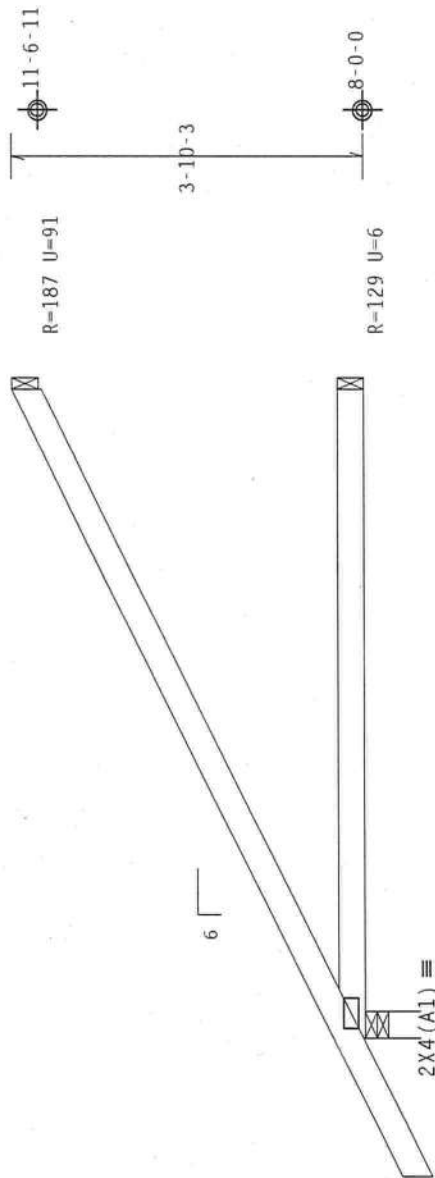
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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 C, 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.



1-6-07

7-0-0 Over 3 Supports

R=408 U=82 W=3.5"
RL=145/-55

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=20\%(0\%)/0(0)$

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
P.O. Box #0 738

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 66648
05/27/2011

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for recommended practices prior to performing these functions. Installers and erectors must follow all instructions and warnings on all drawings and labels. Trusses are designed for permanent lateral bracing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraints or webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details. Details, unless noted otherwise. Refer to drawings 1608-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/IPI 1, Sec.2. For more information see: the responsible page at: <http://itw-bcg.com/itwinfo>; www.itwinc.org; itw.com/industry.com; This job's

TC LL	20.0	PSF	REF	R487 - -	85676
TC DL	10.0	PSF	DATE	05/27/11	
BC DL	10.0	PSF	DRW	HCUSR487	11147032
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	206256	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UCA487_Z02	

(11-116--Fill in later MIKE ROBERTS --, ** - HJ5)

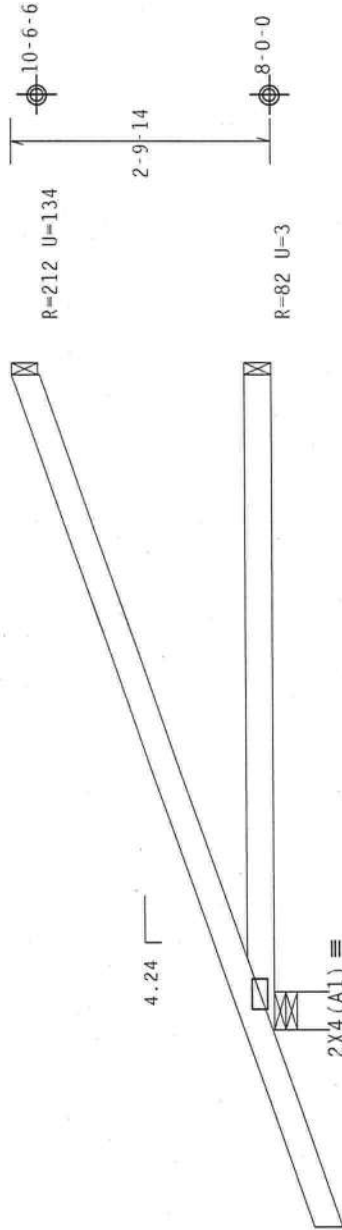
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Hipjack supports 5-0-0 setback Jacks with no webs.

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

Wind reactions based on MWFRS pressures.

Provide { 2 } 16d common nails(0.162"x3.5"); toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"); toe nailed at Bot chord.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

R-307 U-312 W-4.95"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487 --	85677
TC DL	10.0 PSF	DATE	05/27/11	
BC DL	10.0 PSF	DRW	HCUR487	11147033
BC LL	0.0 PSF	HC	ENG DF/DF	
TOT.LD.	40.0 PSF	SEQN	206265	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1UCA487_Z02	

****WARNING**** HEAD AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for best practices prior to performing these functions. Installers shall follow the instructions on the drawings, unless noted otherwise. The manufacturer shall be responsible for the design of the truss and the manufacturer shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1, Sec.2. For more information, visit: www.itwbcg.com; ITW: www.itwbcg.com; TPI: www.tpiinst.org; WICA: www.shcindustry.com; IBC: www.icb.org



ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

(11-116--Fill in later MIKE ROBERTS --, ** - EJS)

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

Roof overhang supports 2.00 psf soffit load.

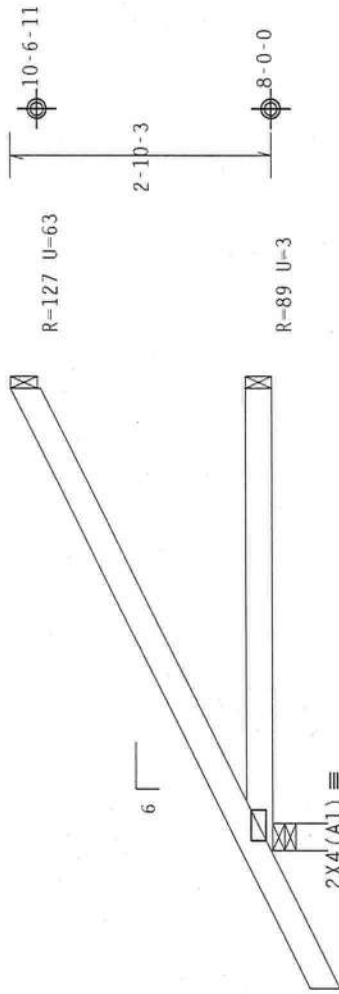
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



1-6-0
5-0-0 Over 3 Supports

R=331 U=71 W=3.5"
RL=110/-48

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%)/0 (0)

PLT TYP. Wave

TC LL	20.0 PSF	FL/-/4/-/R/-	Scale = .5" / Ft.
TC DL	10.0 PSF		REF R487-- 85678
BC DL	10.0 PSF		DATE 05/27/11
BC LL	0.0 PSF		DRW HCUSR487 11147034
TOT.LD.	40.0 PSF		HC-ENG DF/DF
DUR.FAC.	1.25		SEQN- 206262
SPACING	24.0"		JREF- 1UCA487_Z02



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL COMPARTMENTS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached for lateral bracing of each panel. Bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
TPI Building Components Group Inc. (TPI/BCG) shall not be responsible for any deviation from the approved design. All trusses shall be installed in accordance with the approved design. Details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal or drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page. TPI/BCG: www.tpiinc.com; TPI: www.tpinet.org; WICA: www.wicaindust7.com; ICC: www.iccsafe.org

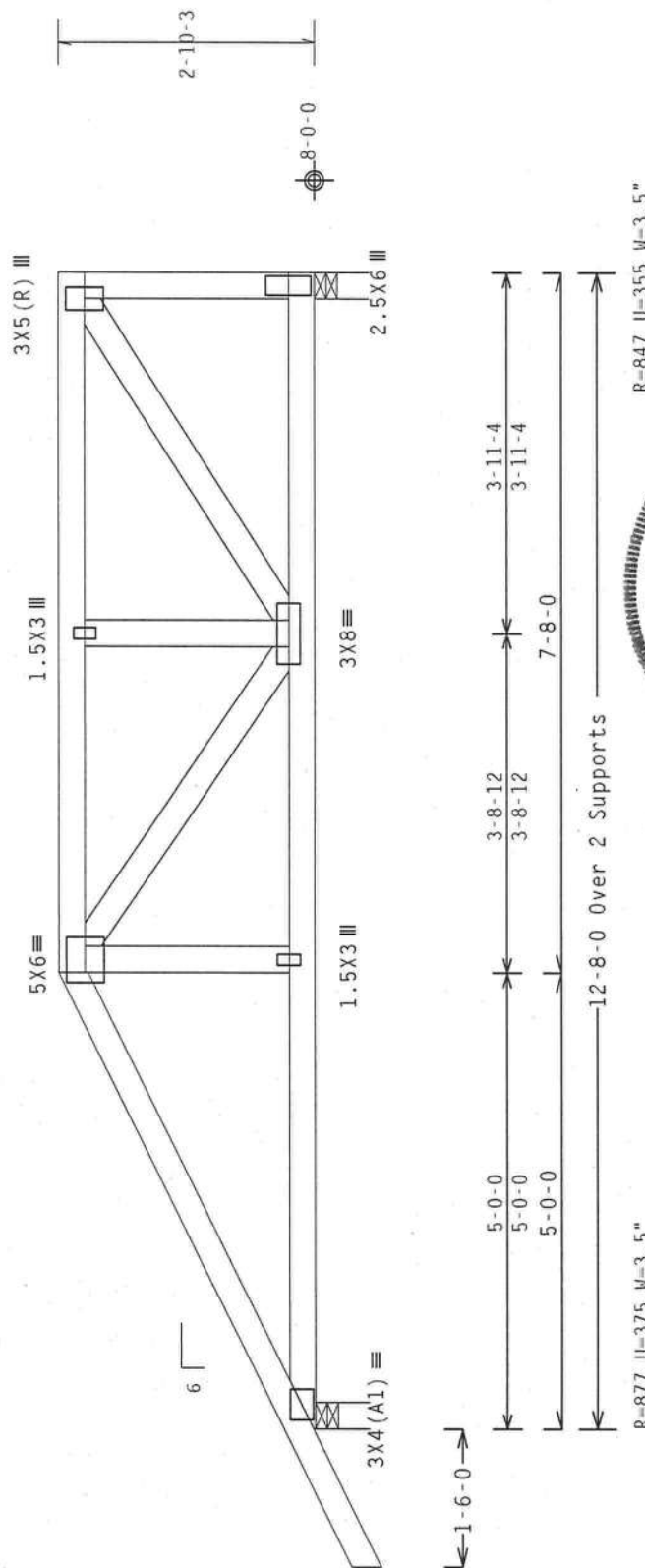
ALPINE
TPI Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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 C, 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.

#1 hip supports 5-0-0 jacks with no webs.



R-847 11-355 W-3 5"

P=877 11=375 W=3 5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%) / 0(0)

Scale = .5"/Ft.

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

TC LL	20.0	PSF	REF	R487--	85679
TC DL	10.0	PSF	DATE	05/27/11	
BC DL	10.0	PSF	DRW	HCUSR487	11147035
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	206224	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UCA487_Z02	

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.

****IMPORTANT****

Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to the latest edition of BCSI Building Components Information by FPI and ITCA for details on how to brace trusses. Truss manufacturers must follow the instructions noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs.

ITW Building Components Group Inc. (IHBGCI) shall not be responsible for any deviation from the design shown herein or any failure to build the Truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or practicing of trusses. Apply plates to each face of truss and position as shown above and on the following drawing or cover plate listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The manufacturer's liability and use of this design or any structures built therefrom shall remain the sole responsibility of the manufacturer.

General notes page: ITH-B002; www.ithbgc.com; FPI; www.fpi.net.org; ITCA; www.abctindustry.com;
www.ncsc46e.org

No. 66648

★ ★

STATE OF FLORIDA

PROFESSIONAL ENGINEER

09/27/2011



ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0 778

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	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4	2-2X4
2X6	1 ROW	2X4	1-2X6	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)	2-2X4(*)
2X8	1 ROW	2X6	1-2X8	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)	2-2X6(*)

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

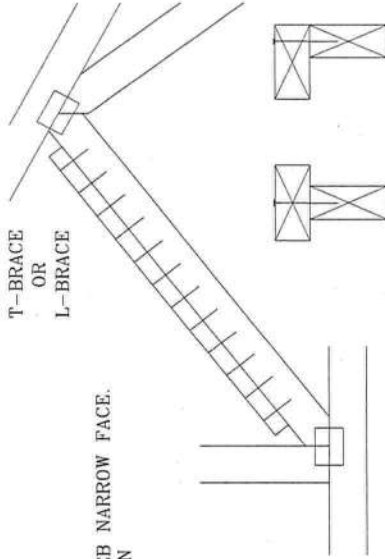
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

L-BRACING:

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

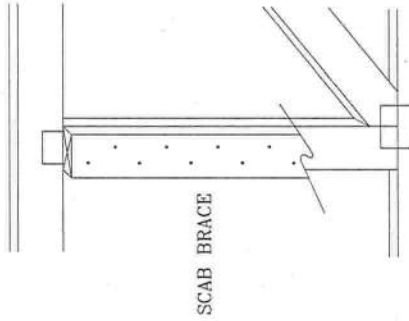


T-BRACE

L-BRACE

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



SCAB BRACE



ITW Building Components Group Inc. shall not be responsible for any deviation from this design. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design.

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TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. 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 VERTICAL SPACING / SPECIES		BRACE GRADE		NO BRACES		(1) 1X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE	
						GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
MAX GABLE VERTICAL LENGTH	12" O.C.	SPF	#1 / #2	3' 10"	3' 9"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"
						6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"
						5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"
						4' 3"	4' 3"	7' 11"	7' 11"	10' 2"	10' 2"	12' 5"	12' 5"
	24" O.C.	SP	#1	4' 2"	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"
						6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"
						6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"
						5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"
	16" O.C.	SPF	#1 / #2	4' 5"	4' 4"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 4"	14' 0"	14' 0"
						7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"
						7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"
						6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"
	12" O.C.	SPF	#1	4' 10"	4' 9"	8' 3"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"
						8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"
						8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"
						7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

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

DOUGLAS FIR-LARCH	SOUTHERN PINE
#3 STUD	#3 STUD
STANDARD	STANDARD

GROUP B:

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

SOUTHERN PINE	
#1	
#2	

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4' O.C. BETWEEN ZONES.

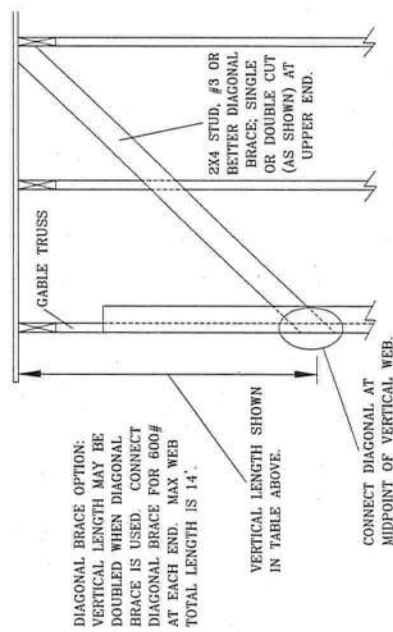
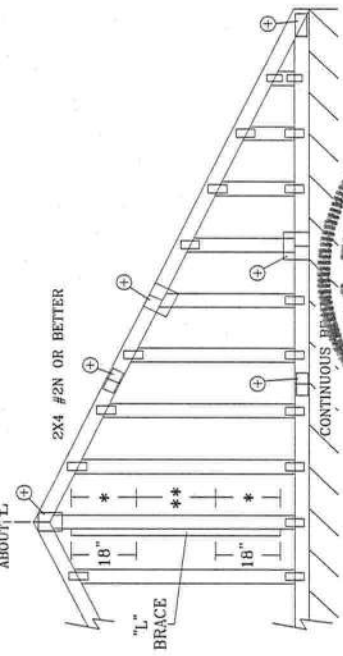
** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6' O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 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.



WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the instructions on the truss manufacturer's literature. Trusses shall be braced in accordance with the design and specifications of the truss manufacturer. Trusses 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 IBC sections E3 & E7. 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 or any failure to build the truss in conformance with TPI or fabricating, handling, shipping, installing or bracing of trusses. ITWBCG connector plates are made of 20/18/16GA (W/H/S/K) ASTM A653 galv. (K/H/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. ITWBCG is the truss component design shown. The suitability and use of this component for any building application is the responsibility of the building engineer. ITWBCG: www.itwbcg.com, TPI: www.tpi.net, WTC: www.wtcindustry.com, ICC: www.iccsafe.org

Building Components Group Inc.

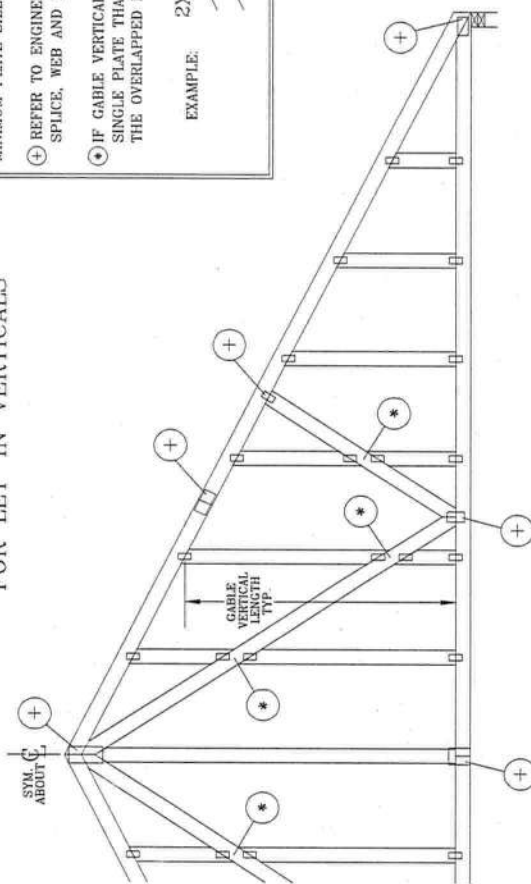
Earth City, MO 63045

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-05-GAB11015
DATE	1/1/09
DRWG	A11015050109

GABLE DETAIL FOR LET-IN VERTICALS

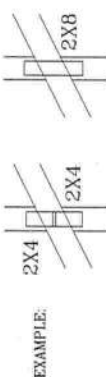


GABLE TRUSS PLATE SIZES

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 3.1" MIN) NAILS AT 4" O.C. PLUS
- (4) NAILS IN TOP AND BOTTOM CHORD.

TOENAILED NAILS:

- 10d COMMON (0.148"x 3.1" 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, A10130980109, A10030980109

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015020109, A12015020109, A10115020109, A10015020109,

A13030020109, A12030020109, A10130020109, A10030020109

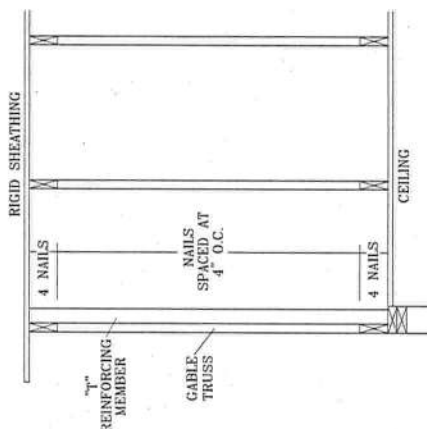
ASCE 7-05 GABLE DETAIL DRAWINGS

A13015050109, A12015050109, A10115050109, A10015050109,

A13030050109, A12030050109, A10130050109, A10030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM

UNREINFORCED GABLE VERTICAL LENGTH.



ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of this detail.

ITWBCG requires extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following sections of the ITWBCG Manual for details on these functions. ITWBCG connector plates are made of 20/18/16GA (W/H/S/K) ASTM A653 grade 37/50 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 for the truss component design shown. The suitability and use of this component for any building for the truss component design shown. ITW-BCG: www.itwbcg.com; TPI: www.tpinet.com; WTC: www.wtcindustry.com; ICC: www.iccsafe.org

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"T" REINFORCEMENT ATTACHMENT DETAIL

"T" REINFORCING MEMBER

TOENAIL - OR - ENDNAIL



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" REINFORCING MEMBER SIZE	"T" INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
120 MPH	2x4	10 %
15 FT	2x6	50 %
120 MPH	2x4	10 %
15 FT	2x6	50 %
110 MPH	2x4	10 %
15 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
15 FT	2x6	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

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

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

"T" REINFORCING MEMBER SIZE = 2X4

(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 GBLTIN0109

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"



Building Components Group Inc.

Earth City, MO 63045

05/27/2011

Project Information

For: Mike Roberts
Lake City, FL

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	37	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

HEATING EQUIPMENT

Make Tempstar
Trade NHP Series
Model NHP230A(G)KC*

Efficiency 7 HSPF
Heating input 29000 Btuh @ 47°F
Heating output 28 °F
Temperature rise 933 cfm
Actual air flow 0.036 cfm/Btuh
Air flow factor 0.10 in H2O
Static pressure
Space thermostat

COOLING EQUIPMENT

Make Tempstar
Trade NHP Series
Cond NHP230A(G)KC*
Coil EX*36F****+MV12F19****
Efficiency 13 SEER
Sensible cooling 19600 Btuh
Latent cooling 8400 Btuh
Total cooling 28000 Btuh
Actual air flow 933 cfm
Air flow factor 0.043 cfm/Btuh
Static pressure 0.10 in H2O
Load sensible heat ratio 0.66

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
master bed	210	4255	3989	152	171
master bath	79	2445	959	87	41
master closet	74	826	353	30	15
kitchen	130	1394	2299	50	99
dinning rm	130	2574	3098	92	133
living rm	338	5415	5184	194	223
bedrm 2	204	4342	2727	155	117
bedrm 3	167	3928	2549	140	109
bath	41	720	264	26	11
core	136	195	309		13



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

C.H

Entire House	d	1508	26093	21731	933	933
Other equip loads			8897	4088		
Equip. @ 0.97 RSM				25044		
Latent cooling				13016		
TOTALS		1508	34990	38060	933	933

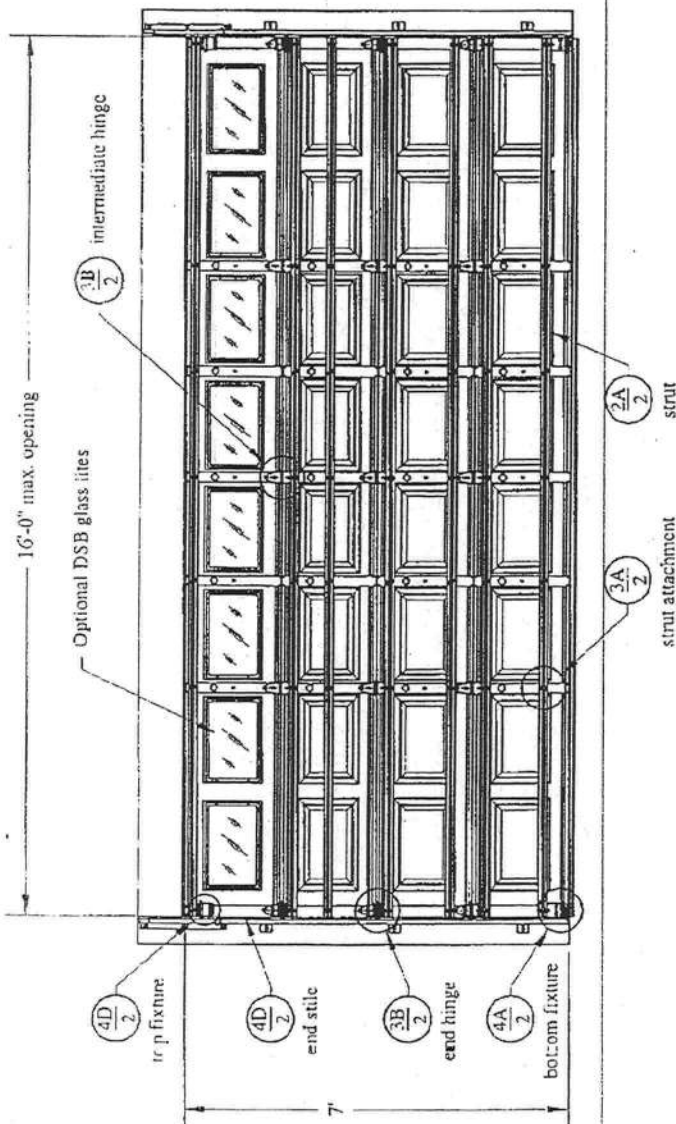
Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Door Model	Gauge	Decimal
2250/2251	25	.0185
2240/2241	24	.0225

Window Restriction: Standard window options are available.

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

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



This door has been tested in accordance with ANSI/DASMA 108-2002 & 108-2005

Design Pressure (DP): 30.1 psf / 33.5 neg

Test Pressure (TP): 45.2 psf / 50.3 neg

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

V = 140 MPH for Exposure B and mean roof height of 30' or less

V = 118 MPH for Exposure C and mean roof height of 30' or less

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

Glazing and door have not been tested for windborne debris.

Wood work and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.

If door is not electrically operated, a lock must be installed.

Details for door heights up to 14'-0" are contained in the Supplemental Instructions, which are required in addition to this drawing for installation. Do not install door using only this drawing.

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

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

page 1 of 2

FL 10201

C.H.I. 888		DATE	01-18-2008
Model 2250/51 (16'-0" wide)		C.H.I. Drawing: Z6-1607-01200	

Details on some views may have been omitted for clarity.

16 gauge (.059) galvanized steel top fixture. Each fixture attached with four $1/4"$ x $3/4"$ screws.

push nut

20 gauge (.034) end stile manufactured by C.H.I.

Strut, if applicable, not shown for clarity.

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

2" x 7/16" (nominal) Stop molding required (not supplied by C.H.I.) To be secured with minimum 2-1/2" long nail or screw on a 5" spacing.

20 gauge (.034) center stile manufactured by C.H.I.

2" steel roller

12 gauge (.102) galvanized steel track bracket.

2" x .0485 min. galvanized steel track fastened to track brackets. Each track bracket attached with one $1/4"$ x $5/8"$ track bolt and nut.

End Hinge
14 gauge (.069) galvanized steel end hinge fastened to section with six $1/4"$ x $3/4"$ screws.

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

2" steel track roller.

12 gauge (.102) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red $1/4"$ x $3/4"$ screws.

push nut

Aluminum extrusion

Vinyl weatherstrip

17 gauge (.051) 50 ksi galvanized steel 3" strut attached with two $1/4"$ x $3/4"$ screws per stile or hinge plate.

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

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

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

12 gauge (.102) galvanized steel track bracket fastened to wood jamb with one $5/16"$ x $1-5/8"$ wood lag screw per bracket.

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

Design Load: 30.1 pos / 33.5 neg
Test Load: 45.2 pos / 50.3 neg
page 2 of 2

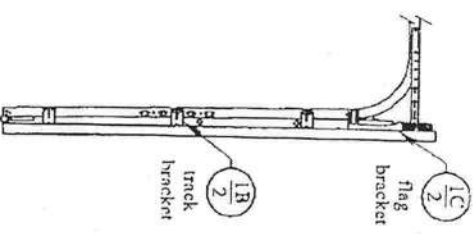
John E. Scates, P.E.
1411 LeMay Street #205
Carrington, Texas 75007
Florida P.E. # 51737

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

Model 2250/51 (16'-0" wide)
C.H.I. Drawing: Z6-1607-01200

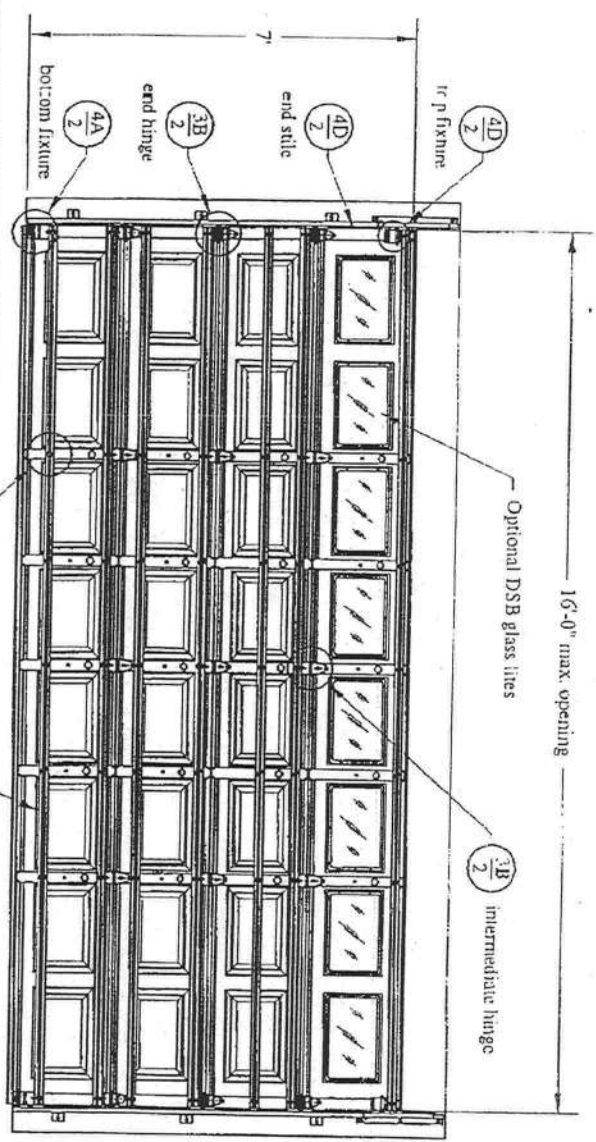
Door Model	Gauge	Decimal
2250/2251	25	.0185
2240/2241	24	.0225

Window Restriction: Standard window options are available.



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

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



This door has been tested in accordance with ANSI/DASMA 108-2002 & 108-2005
Design Pressure (DP): 30.1 pos / 33.5 neg
Test Pressure (TP): 45.2 pos / 50.3 neg
UL 280A HBC Table 1009.0E, DP meets or exceeds basic wind speed of:
V = 140 MPH for Exposure B and mean roof height of 30' or less
V = 118 MPH for Exposure C and mean roof height of 30' or less
Maximum door size: 16'-0" wide by 14'-0" tall
Glazing and door have not been tested for windborne debris.
Wood track and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.
If doors are not electrically operated, a lock must be installed.

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

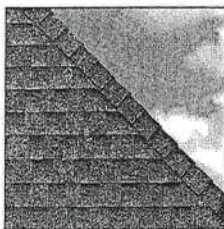
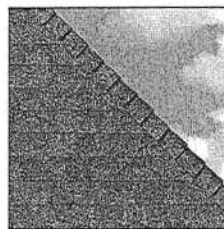
John E. Seates, P.E.
1411 LeMay Street #205
Carrilton, Texas 75007
Florida P.E. # 51737

FL 10201

CHI
Model 2250/51 (16'-0" wide)
C.H.I. Drawing: Z6-1607-01200

**ELK**

ROOFING PRODUCTS SPECIFICATIONS — TUSCALOOSA, AL

**PRESTIQUE®
HIGH DEFINITION®****RAISED PROFILE®**

2

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

Product size _____ 13 1/4" x 39 1/2"
 Exposure _____ 5 1/2"
 Pieces/Bundle _____ 16
 Bundles/Square _____ 4/98.5 sq.ft.
 Squares/Pallet _____ 11

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

Raised Profile

Product size _____ 13 1/4" x 38 1/2"
 Exposure _____ 5 1/2"
 Pieces/Bundle _____ 22
 Bundles/Square _____ 3/100 sq.ft.
 Squares/Pallet _____ 16

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

Prestique I High Definition

Product size _____ 13 1/4" x 39 1/2"
 Exposure _____ 5 1/2"
 Pieces/Bundle _____ 16
 Bundles/Square _____ 4/98.5 sq.ft.
 Squares/Pallet _____ 14

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

HIP AND RIDGE SHINGLES**Seal-A-Ridge® w/FLX™**

Size: 12" x 12"
 Exposure: 6 1/2"
 Pieces/Bundle: 45
 Coverage: 4 Bundles =
 100 linear feet

Vented RidgeCrest™ w/FLX™

Size: 13" x 13 1/2"
 Exposure: 9 1/2"
 Pieces/Box: 26
 Coverage: 5 boxes =
 100 linear feet

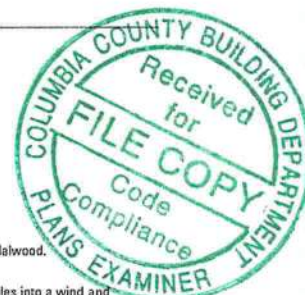
Prestique High Definition

Product size _____ 13 1/4" x 38 1/2"
 Exposure _____ 5 1/2"
 Pieces/Bundle _____ 22
 Bundles/Square _____ 3/100 sq.ft.
 Squares/Pallet _____ 16

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

Elk Starter Strip

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



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

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

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

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

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

**See actual limited warranty for conditions and limitations.

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

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

SPECIFICATIONS

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

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

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

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

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

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

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

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

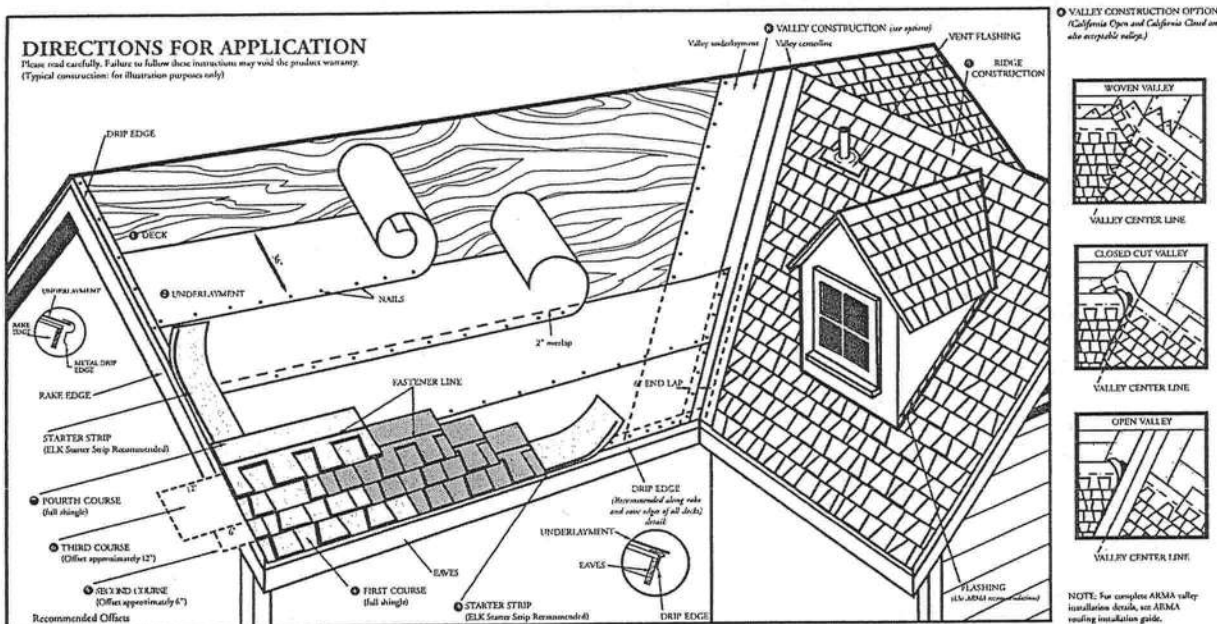
CORPORATE HEADQUARTERS:
800.354.7732

PLANT LOCATION:
800.945.5545

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 www.elkcorp.com
 S800T 06/04

DIRECTIONS FOR APPLICATION

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



DIRECTIONS FOR APPLICATION

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

1 DECK PREPARATION

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

2 UNDERLAYMENT

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

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

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

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

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

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

3 STARTER SHINGLE COURSE

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

4 FIRST COURSE

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

5 SECOND COURSE

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

6 THIRD COURSE

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

7 FOURTH COURSE

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

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

8 VALLEY CONSTRUCTION

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

9 RIDGE CONSTRUCTION

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

FASTENERS

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

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the sealant dots.

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

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

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

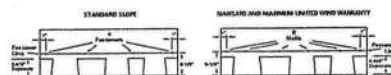
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only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

LIMITED WIND WARRANTY

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

HELP STOP BLOW-OFFS AND CALL-BACKS

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



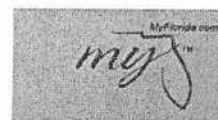
Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.

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

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



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**Product Approval**

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► COMMUNITY PLANNING

► HOUSING & COMMUNITY DEVELOPMENT

► EMERGENCY MANAGEMENT

► OFFICE OF THE SECRETARY

FL # FL4645
 Application Type New
 Code Version 2004
 Application Status Approved
 Comments
 Archived ☐

Product Manufacturer C.H.I. Overhead Doors
 Address/Phone/Email 1485 Sunrise Drive
 Arthur, IL 61911
 (217) 543-2135 ext 4309
 canzelmo@chiohd.com

Authorized Signature Chris Anzelmo
 canzelmo@chiohd.com

Technical Representative Patrick J. Hunter
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 phunter@chiohd.com

Quality Assurance Representative Jerod Price
 Address/Phone/Email 1485 Sunrise Drive
 PO Box 260
 Arthur, IL 61911
 (217) 543-2135
 jprice@chiohd.com

Category Exterior Doors
 Subcategory Sectional Exterior Door Assemblies

Compliance Method Evaluation Report from a Florida Registered Architect or a
 Licensed Florida Professional Engineer
☒ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name John E. Scates, P.E.
 who developed the Evaluation Report
 Florida License PE- 51737
 Quality Assurance Entity Architectural Testing, Inc.
 Validated By Gordon Thomas, P.E.

Certificate of Independence

Referenced Standard and Year (of Standard)

Standard**Year**

ANSI/DASMA 108-2002	2002
ASTM D 1929	2001
ASTM D 2843	1999
ASTM E 330-02	2002

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted	06/09/2005
Date Validated	08/01/2005
Date Pending FBC Approval	06/20/2005
Date Approved	08/05/2005

Summary of Products

Go to Page 

 Page 1 / 3 

FL #	Model, Number or Name	Description
4645.1	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z7-1007-03000 Non impact rated Design load: +35.7 / -41.0 Test load: +53.6 / -61.5 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports PTID 4645 T all-instructions.pdf PTID 4645 T Cert of Independence Scates 06 09 05.pdf PTID 4645 T Evaluation Report 06 09 05.pdf PTID 4645 T polycarbonate building compliance.pdf PTID 4645 T res-instruct.pdf PTID 4645 T Z1-0907-04000s.pdf PTID 4645 T Z1-1007-01000s.pdf PTID 4645 T Z1-1007-02000s.pdf PTID 4645 T Z1-1007-03000s.pdf PTID 4645 T Z1-1607-02000.pdf PTID 4645 T Z1-1607-04000s.pdf PTID 4645 T Z1-1807-01000s.pdf PTID 4645 T Z1-1807-02000s.pdf PTID 4645 T Z1-1807-03000s.pdf PTID 4645 T Z2-1007-01000s.pdf PTID 4645 T Z2-1007-02000s.pdf PTID 4645 T Z2-1007-03000s.pdf PTID 4645 T Z2-1807-02000s.pdf PTID 4645 T Z2-1807-03000s.pdf PTID 4645 T Z3-0907-04000s.pdf PTID 4645 T Z3-1007-02000s.pdf PTID 4645 T Z3-1007-03000s.pdf PTID 4645 T Z3-1607-04000s.pdf PTID 4645 T Z3-1807-02000s.pdf PTID 4645 T Z3-1807-03000s.pdf PTID 4645 T Z4-1007-01000s.pdf PTID 4645 T Z4-1007-02000s.pdf PTID 4645 T Z4-1007-03000s.pdf PTID 4645 T Z4-1607-04000s.pdf PTID 4645 T Z4-1807-02000s.pdf PTID 4645 T Z4-1807-03000s.pdf PTID 4645 T Z5-0907-01000.pdf PTID 4645 T Z5-0907-04000s.pdf PTID 4645 T Z5-1007-01000s.pdf PTID 4645 T Z5-1007-02000s.pdf

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4645.2	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z1-1007-03000 Non impact rated Design load: +12.8 / -14.8 Test load: -19.2 / -22.2 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.3	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z2-1007-03000 Non impact rated Design load: +15.9 / -18.2 Test load: +23.9 / -27.3 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.4	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z3-1007-03000 Non impact rated Design load: +19.2 / -22.0 Test load: +28.8 / -33.0 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.5	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z4-1007-03000 Non impact rated Design load: +22.9 / -26.3 Test load: +34.4 / -39.5 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.6	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z5-1007-03000 Non impact rated Design load: +26.9 / -30.8 Test load: +40.4 / -46.2 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports

4645.7	Model: 2216, 2217, 4216 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z5-1807-03000 Non impact rated Design Load: +25.9 / -28.8 Test Load: +38.9 / -43.2 16'-1" thru 18'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.8	Model: 2216, 2217, 4216 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z4-1807-03000 Non impact rated Design Load: +22.0 / -24.5 Test Load: +33.0 / -36.8 16'-1" thru 18'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.9	Model: 2216, 2217, 4216 and 5216	26 ga. min. ext. and 27 ga. min. int. with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z1-1807-03000 Non impact rated Design load: +12.4 / -13.8 Test load: +18.6 / -20.7 16'-1" thru 18'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.10	Model: 2216, 2217, 4216 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z2-1807-03000 Non impact rated Design load: +15.3 / -17.0 Test load: +23.0 / -25.5 16'-1" thru 18'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.11	Model: 2216, 2217, 4216 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z3-1807-03000 Non impact rated Design load: +18.5 / -20.7 Test load: +27.8 / -31.1 16'-1" thru 18'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.12	Model: 2250, 2251, 2240 and 2241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z5-1007-01000 Non impact rated Design Load: +26.9 / -30.8 Test Load: +40.4 / -46.2 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.13	Model: 2250, 2251, 2240 and 2241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation

Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z1-1007-01000 Non impact rated Design load: +12.8 / -14.8 Test load: +19.2 / -22.2 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.14	Model: 2250, 2251, 2240 and 2241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z2-1007-01000 Non impact rated Design load: +15.9 / -18.2 Test load: +23.9 / -27.3 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.15	Model: 2250, 2251, 2240 and 2241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z4-1007-01000 Non impact rated Design load: +22.9 / -26.3 Test load: +34.4 / -39.5 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.16	Model: 2250, 2251, 2240 and 2241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z7-1007-01000 Non impact rated Design load: +35.7 / -41.0 Test load: +53.6 / -61.5 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.17	Model: 2250, 2251, 4250, 4251, 2240, 2241, 4240, 4241, 5240 and 5241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z1-1807-01000 Non impact rated Design Load: +12.4 / -13.8 Test Load: +18.6 / -13.8 16'-1" thru 18'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.18	Model: 2250, 2251, 4250, 4251, 2240, 2241, 4240, 4241, 5240 and 5241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z5-0907-01000 Non impact rated Design Load: +26.9 / -30.8 Test Load: +40.4 / -46.2 Thru 9'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.19	Model: 2283, 2284, 2285 and 2286	27 ga. int. min. 27 ga. ext. min. with polystyrene insulation

Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z2-1007-02000 Non impact rated Design load: +15.9 / -18.2 Test load: +23.9 / -27.3 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports
4645.20	Model: 2283, 2284, 2285 and 2286	27 ga. int. min. 27 ga.ext. min. with polystyrene insulation
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: C.H.I. Drawing: Z3-1007-02000 Non impact rated Design load: +19.2 / -22.0 Test load: +28.8 / -33.0 9'-1" thru 10'-0" wide		Installation Instructions Verified By: Evaluation Reports

Go to Page 

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[Back](#)[Next](#)

DCA Administration

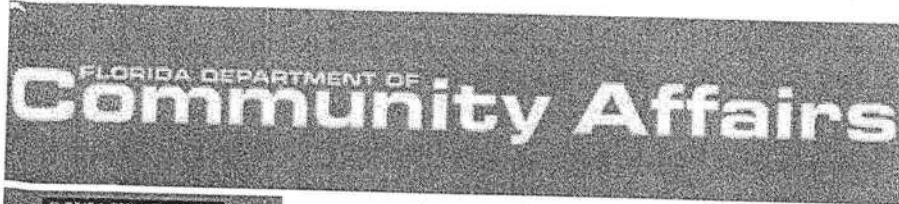
Department of Community Affairs
Florida Building Code Online
Codes and Standards

2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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Product Approval Accepts:



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Product Approval

USER: Public User

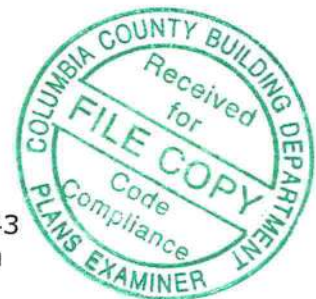
[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

FL # FL1214-R1
 Application Type Revision
 Code Version 2004
 Application Status Approved
 Comments
 Archived ☐

Product Manufacturer
 Address/Phone/Email

Alenco
 615 Carson
 Bryan, TX 77802
 (979) 779-7770 ext 343
 mkoppers@alenco.com



Authorized Signature

Martin Koppers
 mkoppers@alenco.com

Technical Representative
 Address/Phone/Email

Martin Koppers
 615 Carson St.
 Bryan, TX 77802

mkoppers@alenco.com

Quality Assurance Representative
 Address/Phone/Email

Category
 Subcategory

Windows
 Single Hung

Compliance Method

Certification Mark or Listing

Certification Agency

National Accreditation & Management Institute,

Referenced Standard and Year (of

Standard

Standard)

AAMA/NWWDA 101/I.S.2

Equivalence of Product Standards
Certified By

Sections from the Code

1707.4.2.1

Product Approval Method

Method 1 Option A

Date Submitted

06/08/2005

Date Validated

08/04/2005

Date Pending FBC Approval

06/18/2005

Date Approved

08/05/2005

Summary of Products

FL #	Model, Number or Name	Description
1214.1	1111	Vinyl Tilt Single Hung
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: 1111: 48X72 R(35) Tested with DS annealed, 44X72 R(40) Tested with SS annealed. For smaller window sizes, glass to comply with ASTM E1300-02.		Certification Agency Certificate Installation Instructions PTID 1214 R1 I FL INSTALLATION INSTRUCTIONS - Aluminum B.pdf PTID 1214 R1 I INSTALLATION INSTRUCTIONS - Vinyl B.pdf Verified By:
1214.2	3753	Aluminum Tilt Single Hung
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: 3753: 44X72 R(40) Tested with Tested with DS annealed. For smaller window sizes, glass to comply with ASTM E1300-02.		Certification Agency Certificate Installation Instructions Verified By:
1214.3	4710F	Aluminum Single Hung
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: 4710F: 48X72 R(40)/DP(50), Tested with DS annealed glass. For smaller window sizes, glass to comply with ASTM E1300-02.		Certification Agency Certificate Installation Instructions Verified By:

Back

Next

DCA Administration

**Department of Community Affairs
Florida Building Code Online
Codes and Standards**

2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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Product Approval Accepts:





Engineers • Planners

128 SW Nassau St
Lake City, FL 32025
Phone 386-758-4209
Fax 386-758-4290

May 27, 2011

Columbia County Building and Zoning

RE: Mike Roberts 603 SW Catherine Lane Lake City, Columbia County, FL

To whom it may concern:

I have reviewed the Flood Insurance Rate Map and have determined the property is not located in a flood zone. I have performed a site evaluation of the existing area. I certify that placing the finished floor elevation at least 12" above finished grade is adequate to prevent flood and water damage. Grade the perimeter so that all runoff drains away from the building.

Sincerely,

A handwritten signature in cursive script that reads "William H. Freeman".

William H. Freeman, P.E.
President
Cert. Of Authorization 00008701



(4)

SUBCONTRACTOR VERIFICATION FORM

 APPLICATION NUMBER 1106-24 CONTRACTOR REBECCA Thomas PHONE 623-5079

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 76	Print Name <u>MATTHEWS ELECTRIC INC</u> License #: <u>ER-0014352</u>	Signature <u>[Signature]</u> Phone #: <u>386-344-2029</u>
☒ MECHANICAL/ A/C 13	Print Name <u>RA13067384</u> License #: <u>D.L. Williams Heat & Cool</u>	Signature <u>[Signature]</u> Phone #: <u>[Phone]</u>
☒ PLUMBING/ GAS 298	Print Name <u>HomeTown Plumbing</u> License #: <u>RF11067418</u>	Signature <u>[Signature]</u> Phone #: <u>886-7546140</u>
☒ ROOFING 885	Print Name <u>Thomas Const. of Lake City Inc</u> License #: <u>CBC 1256094</u>	Signature <u>Rebecca Thomas</u> Phone #: <u>386-623-5079</u>
SHEET METAL	Print Name <u>N-A</u> License #:	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name <u>N-A</u> License #:	Signature _____ Phone #:
SOLAR	Print Name <u>N-A</u> License #:	Signature _____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	N-A		
✓ CONCRETE FINISHER	000025	Gary W. Moore Jr.	[Signature]
✓ FRAMING	000101	Mike Roberts	[Signature]
✓ INSULATION	743	Spicer Ins. LLC	[Signature]
STUCCO	no		
DRYWALL	no		
✓ PLASTER	CBC 1256094	Rebecca Thomas	Rebecca Thomas
✓ CABINET INSTALLER	000762	Bordeaux Cab	[Signature]
✓ PAINTING	000848	Mike Roberts	[Signature]
ACOUSTICAL CEILING	no		
GLASS	no		
✓ CERAMIC TILE	000849	Mike Roberts	[Signature]
FLOOR COVERING			
ALUM/VINYL SIDING	no		
✓ GARAGE DOOR	000619	Lake City Glass - Carl Burkhardt	[Signature]
METAL BLDG ERECTOR	no		

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.

New Construction Subterranean Termite Service Record

OMB Approval No. 2502-0525
(exp. 02/29/2012)

This form is completed by the licensed Pest Control Company.

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

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential, therefore, no assurance of confidentiality is provided.

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

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

#29494

Section 1: General Information (Pest Control Company Information)

Company Name Aspen Pest Control, Inc.
Company Address P.O. Box 1795 City Lake City State FL Zip 32056
Company Business License No. JB182948 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name Rebecca Thomas Phone No. 623-5084

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Mike Roberts
603 SW Chesterfield Circle Lake City, FL 32024

Section 4: Service Information

Date(s) of Service(s) 7-7-2011
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____

Check all that apply:

- ☒ A. Soil Applied Liquid Termiticide
Brand Name of Termiticide: Maxx-Thor EC EPA Registration No. 93923-6
Approx. Dilution (%): .06 Approx. Total Gallons Mix Applied: 200 Treatment completed on exterior: ☐ Yes ☒ No
- ☐ B. Wood Applied Liquid Termiticide
Brand Name of Termiticide: _____ EPA Registration No. _____
Approx. Dilution (%): _____ Approx. Total Gallons Mix Applied: _____
- ☐ C. Bait System Installed
Name of System _____ EPA Registration No. _____ Number of Stations Installed _____
- ☐ D. Physical Barrier System Installed
Name of System _____ Attach installation information (required) _____

Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) C. Lacey Certification No. (if required by State law) _____

The applicator has used a product in accordance with the product label and state requirements. All materials and methods used comply with state and federal regulations.

Authorized Signature [Signature] Date 7-7-2011

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

may still be used form HUD-NPMA-99-B

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: New Project Roberts Street: City, State, Zip: , fl , Owner: Design Location: FL, Gainesville		Builder Name: wind tech / mike roberts Permit Office: COLUMBIA Permit Number: 29499 Jurisdiction: 221006	
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Glass/Floor Area: 0.081	Total As-Built Modified Loads: 28.00 Total Baseline Loads: 33.93	PASS
-------------------------	---	------

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: <u>[Signature]</u> DATE: <u>1/5/10</u> 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:	New Project Roberts	Bedrooms:	3	Address Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:		Conditioned Area:	1508	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	wind tech / mike roberts	Worst Case:	No	Street:	
Permit Office:		Rotate Angle:	0	County:	columbia
Jurisdiction:		Cross Ventilation:		City, State, Zip:	, fl,
Family Type:	Single-family	Whole House Fan:			
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp 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 Insulation	168 ft	0	1508 ft²	0	0	1

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
✓	1	Hip	Composition shingles	1633 ft²	0 ft²	Medium	0.96	No	2	22.6 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
✓	1	Full attic	Vented	300	1508 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	30	1508 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
✓	1	N	Exterior	Frame - Wood	13	304 ft²		0.23	0.75
✓	2	N	Garage	Frame - Wood	13	160 ft²		0.23	0.01
✓	3	E	Exterior	Frame - Wood	13	208 ft²		0.23	0.75
✓	4	S	Exterior	Frame - Wood	13	464 ft²		0.23	0.75
✓	5	W	Exterior	Frame - Wood	13	208 ft²		0.23	0.75

DOORS

✓	#	Omt	Door Type	Storms	U-Value	Area
✓	1	N	Insulated	None	0.46	20 ft²
✓	2	N	Insulated	None	0.46	17.78 ft²
✓	3	E	Insulated	None	0.46	13.33 ft²

WINDOWS

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

✓	#	Omt	Frame	Panels	NFRC	U-Factor	SHGC	Storms	Area	Overhang		Int Shade	Screening
										Depth	Separation		
✓	1	N	Metal	Double (Clear)	Yes	0.4	0.28	N	6 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
✓	2	N	Metal	Double (Clear)	Yes	0.4	0.28	N	25 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
✓	3	N	Metal	Double (Clear)	Yes	0.4	0.28	N	20 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
✓	4	N	Metal	Double (Clear)	Yes	0.4	0.28	N	30 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
✓	5	E	Metal	Double (Clear)	Yes	0.4	0.28	N	6 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
✓	6	E	Metal	Double (Clear)	Yes	0.4	0.28	N	15 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
✓	7	E	Metal	Double (Clear)	Yes	0.4	0.28	N	20 ft²	2 ft 0 in	6 ft 0 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	1424	7.08	78.2	147.0	0 cfm	0 cfm	0	0

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
✓	1	384 ft²	384 ft²	64 ft	8 ft	11

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
✓	1	Central Unit	None	SEER: 13	28 kBtu/hr	840 cfm	0.75	False

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
✓	1	Electric Heat Pump	None	HSPF: 7.7	29 kBtu/hr	False

HOT WATER SYSTEM

✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	0.92	40 gal	60 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	301.6 ft²	Attic	75.4 ft²	Default Leakage	Garage				

TEMPERATURES

Programable Thermostat: None													
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
	PM	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
	PM	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
	PM	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
	PM	68	68	68	68	68	68	68	68	68	68	68	68

FORM 1100A-08

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: _____, fl. _____	PERMIT #: _____
---------------------------	-----------------

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-8 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* = 83

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. Frame - Wood, Exterior	R=13.0	1184.00 ft ²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	160.00 ft ²
4. Number of Bedrooms	3	c. N/A	R=	ft ²
5. Is this a worst case?	No	d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	1508	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	1508.00 ft ²
a. U-Factor:	Dbl, U=0.40	b. N/A	R=	ft ²
SHGC:	SHGC=0.28	c. N/A	R=	ft ²
b. U-Factor:	N/A	11. Ducts		
SHGC:		a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 301.6 ft ²		
c. U-Factor:	N/A	12. Cooling systems		
SHGC:		a. Central Unit	Cap: 28 kBtu/hr	
d. U-Factor:	N/A		SEER: 13	
SHGC:		13. Heating systems		
e. U-Factor:	N/A	a. Electric Heat Pump	Cap: 29 kBtu/hr	
SHGC:			HSPF: 7.7	
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: 0.92	
c. N/A	R=	None		
		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: _____



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.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 83

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. Frame - Wood, Exterior	R=13.0	1184.00 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	160.00 ft ²
4. Number of Bedrooms	3		c. N/A	R=	ft ²
5. Is this a worst case?	No		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	1508		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	1508.00 ft ²
a. U-Factor:	Dbl, U=0.40	122.00 ft ²	b. N/A	R=	ft ²
SHGC:	SHGC=0.28		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	11. Ducts		
SHGC:			a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 301.6 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 28 kBtu/hr	SEER: 13
d. U-Factor:	N/A	ft ²	13. Heating systems		
SHGC:			a. Electric Heat Pump	Cap: 29 kBtu/hr	HSPF: 7.7
e. U-Factor:	N/A	ft ²	14. Hot water systems		
SHGC:			a. Electric	Cap: 40 gallons	EF: 0.92
8. Floor Types	Insulation	Area	b. Conservation features		
a. Slab-On-Grade Edge Insulation	R=0.0	1508.00 ft ²	None		
b. N/A	R=	ft ²	15. Credits		None
c. N/A	R=	ft ²			

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) 838-1492 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

**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.

Suncoast Insulators

A Suncoast Company

Proposal

Date 1-5-10

Contractor/Homeowner:
MIKE ROBERTS

Project: 1508 L/A

We hereby submit specifications and estimate for furnished and installed materials as follows:

EXTERIOR WALLS - HOUSE AND GARAGE- R-13 "UNFACED" BATTS
CEILINGS@ LIVING AREA- (NO GARAGE) R- 30 BATTS
POLYSEAL AND FIRECAULKING TO CODE
PROPER VENTS TO CODE

PRICE \$ 1752.00

WIRE SHELVING - 64 LF. OF CLOSET SHELVING \$ 219.00
VANITY MIRROR - 38"X60", 38"X 30" \$110.00

TOTAL AS BID \$ 2,081.00

TOTAL AS PACKAGE PRICE DISCOUNT <\$105.00> PACKAGE PRICE \$1976.00

UNLESS ACCEPTED, THIS PROPOSOL IS GOOD FOR (30) DAYS FROM ABOVE

Accepted _____

Suncoast Insulators

By _____

By: Mike D'Andrea



10.31
140.00
20,000.00
This Instrument Prepared by & return to:
Name: TRISH LANG, an employee of
NORTH CENTRAL FLORIDA TITLE,
LLC
Address: 343 NW COLE TERRACE, SUITE 101
LAKE CITY, FLORIDA 32055
File No. 11Y-05031TL

Inst 201112008047 Date 5/31/2011 Time: 11:52 AM
Doc Stamp-Deed: 140.00
DC, P DeWitt Cason, Columbia County Page 1 of 1 B.1215 P.1121

Parcel I.D. #: 03117-155

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED Made the 27th day of May, A.D. 2011, by **DELTA OMEGA PROPERTIES, INC.**, having its principal place of business at 3454 SW CR 242, LAKE CITY, FLORIDA 32024, hereinafter called the grantor, to **MIKE W. ROBERTS, A SINGLE PERSON**, whose post office address is 657 SW CATHERINE LANE, LAKE CITY, FLORIDA 32025, hereinafter called the grantee

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

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

Lot 55, Crosswinds, Phase II, according to the plat thereof, recorded in Plat Book 8, Page(s) 83, of the Public Records of Columbia County, Florida.

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

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

And the grantor hereby covenants with said grantee that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land, and 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, 2011.

In Witness Whereof, the said grantor has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its proper officers thereunto duly authorized the day and year first above written.

Signed, sealed and delivered in the presence of:

Patricia Lang
Witness Signature
PATRICIA LANG
Printed Name

Regina Simpkins
Witness Signature
Regina Simpkins
Printed Name

DELTA OMEGA PROPERTIES, INC.

By: *James Rhett Smythey* L.S.
Name: JAMES RHETT SMITHEY
Title: DIRECTOR

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 27th day of May, 2011, by JAMES RHETT SMITHEY as DIRECTOR of DELTA OMEGA PROPERTIES, INC., A FLORIDA CORPORATION. He is personally known to me or has produced Driver's License as identification.

Patricia Lang
Notary Public
My commission expires 12-14-14



**Water Wells
Pumps & Service**

**Phone: (386) 752-6677
Fax: (386) 752-1477**

Lynch Well Drilling, Inc.

**173 SW Young Place
Lake City, FL 32025**

June 20 , 2011

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the well for Thomas Contracting in Cross Winds lot 55 owner Mike Roberts.

Size of Pump Motor:	1 HP 20 gallons per min.
Size of Pressure Tank:	81 -Gallon Bladder Tank - 25.1 Draw down
Cycle Stop Valve Used:	No
Constant Pressure System:	No

Should you require any additional information, please contact us.

Sincerely,



Linda Newcomb
Lynch Well Drilling, Inc.

Mike Roberts

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: 5/31/2011 DATE ISSUED: 5/31/2011

ENHANCED 9-1-1 ADDRESS:

603 SW CHESTERFILED CIR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

24-4S-16-03117-155

Remarks:

Address Issued By: SIGNED: / RONAL N. CROFT
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.

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. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

(Owners Must Sign All Applications Before Permit Issuance.)


Owners Signature

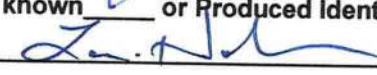
****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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 CBC1254094
Columbia County
Competency Card Number 885

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 9th day of JUNE 2011.
Personally known ☒ or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:





• Engineering
• Geotechnical
• Environmental
Laboratories

Cal-Tech Testing, Inc.

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456

4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 11-00213-01

DATE TESTED: 6/14/11

DATE REPORTED: 6/15/11

PROJECT:	Crosswinds Subdivision, Lot 55 Lake City, FL Permit 000029494
CLIENT:	Mike Roberts Framing, 857 SW Catherine Lane, Lake City, FL 32025
GENERAL CONTRACTOR:	Mike Roberts Framing
EARTHWORK CONTRACTOR:	Richardson Site Prep
INSPECTOR:	Chad Day
ASTM METHOD	SOIL USE
(D-2922) Nuclear	BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	MAXIMUM DENSITY
1	East End of Pad Approx. Center 6' West	12"	108.8	5.7	102.9	Pit	103.0	100%
2	Approx. Center of Pad	12"	111.2	5.8	105.1	Pit	103.0	102%
3	West End of Pad Approx. Center 10' East	12"	105.8	6.7	99.2	Pit	103.0	96%

REMARKS: The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
Pit	Richardsons Ft. White Pit	103.0		MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda M. Creamer, CEO, D. 11
Linda M. Creamer
President - CEO

Reviewed By:

Date: 6/15/2011
Licensed, Florida No: 57842

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.



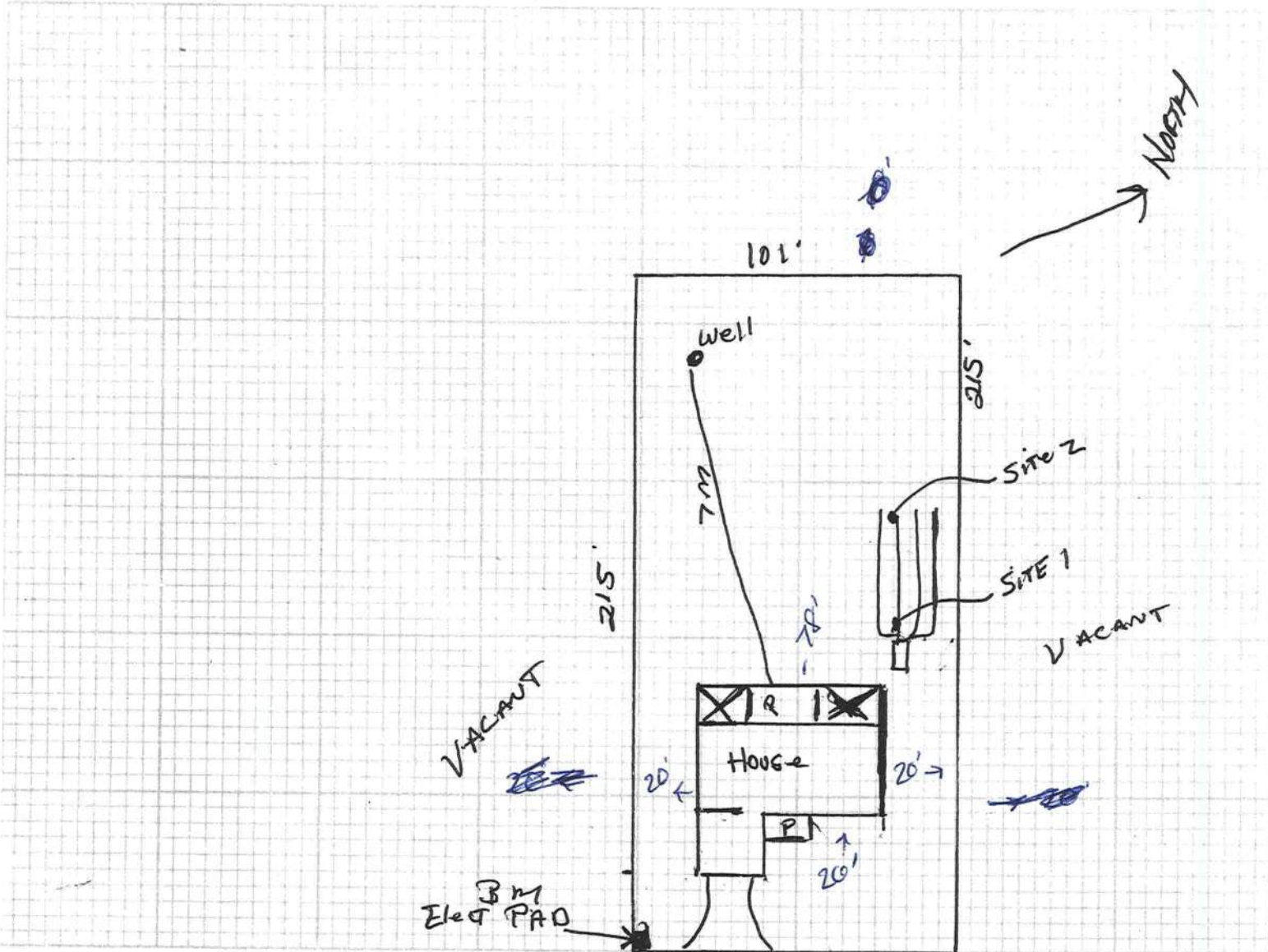
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 11-0269-N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes:

603 Chestnutfield Circle 101

Delta Omega Propt.

(Mike Roberts)

LOT 55 PH2 24-45-16-03/17-155

Site Plan submitted by:

Robert W Ford Jr
Signature

Plan Approved X

Not Approved

By

Salbi Ford, Env Health Director

Agave
Title

Date 6-7-11

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



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

PERMIT NO. AP 1037730
DATE PAID: 6/1/2011
FEE PAID: 310.00
RECEIPT #: 12-PID-1633307

APPLICATION FOR:

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

APPLICANT: Delta Omega Properties (Mike Roberts)

AGENT: Robert Ford NFST inc TELEPHONE: 386-755-6372

MAILING ADDRESS: 580 NW Overdon Rd LC FLA 32055

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(a) 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: 55 BLOCK: / SUBDIVISION: CROSSWIND PH 2 PLATTED: 4/2004

PROPERTY ID #: 24-45-14-03117-155 ZONING: SF I/M OR EQUIVALENT: ☒ Y ☐ N

PROPERTY SIZE: 0.510 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐ 1<=2000GPD ☐ 1>2000GPD

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

PROPERTY ADDRESS: 603 SW Chesterfield Circle

DIRECTIONS TO PROPERTY: Hwy 47 SOUTH TO 242 TR Go to
Arrowhead Rd TR Follow Around to Crosswinds Sud
TL Follow Around to Lot 55

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	<u>House</u>	<u>3</u>	<u>1508</u>	
2				
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify) _____

SIGNATURE: Robert W. Jach

DATE: 5/31/11

ENTERED
YCF

RECEIVED
6/3/2011

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

03117-155

Clerk's Office Stamp

Inst 201112008171 Date 6/1/2011 Time: 12:20 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B 1215 P.1437

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.

1. Description of property (legal description): Lot 55 Crosswinds Phase II
a) Street (job) Address: _____
2. General description of improvements: Plat Book 8 P. 83 Public Records Columbia
603 S.W. Chesterfield Cir. County
3. Owner Information
a) Name and address: Mike Roberts 32024
b) Name and address of fee simple titleholder (if other than owner) 657 S.W. Catherine Lane Lake City
c) Interest in property OWNER
4. Contractor Information
a) Name and address: Thomas Const. 5417 S.W. Duval RD. 32024
b) Telephone No.: 623 5084 Fax No. (Opt.) _____
5. Surety Information
a) Name and address: Not Apply
b) Amount of Bond: _____
c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
a) Name and address: none
b) Phone No.: _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: N.A.
b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
a) Name and address: N.A.
b) Telephone No.: _____ Fax No. (Opt.) _____
9. 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.

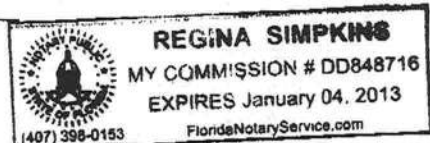
STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Mike Roberts
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager
Mike Roberts
Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 1st day of June, 2011, by:
Mike Roberts as _____ (type of authority, e.g. officer, trustee, attorney fact) for _____ (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature Regina Simpkins Notary Stamp or Seal: _____
Regina Simpkins



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.

Mike Roberts
Signature of Natural Person Signing (in line #10 above.)



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

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.)	IIIIIIII	IIIIIIII	IIII
	Total (Sq. Ft.) under roof			

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 speciffally 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		
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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 & interior 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. 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.

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			FL 4242-R
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			FL 5108
2. Horizontal Slider			FL 515
3. Casement			
4. Double Hung			
5. Fixed			FL 5418
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			FL 889-R2
2. Soffits			FL 4899
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			FL 3820-R1
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			FL 586-R2
2. Underlayments			FL 1814-R1
3. Roofing Fasteners			
4. Non-structural Metal Rf			FL 7618.1
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			FL 1960-R1
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			FL 451-R1
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			FL 474-R1
4. Railing			
5. Coolers-freezers			FL 1008-R1
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.

Rebecca Thomas
Contractor or Contractor's Authorized Agent Signature

Rebecca Thomas 6/3/11
Print Name Date

Location _____