

Columbia County Building Permit Application

Application #	1205-46	Date Received	05/29	By	16	Permit #	1948/30209
Zoning Official	BLK	Date	01 June 2002	Flood Zone	X	Land Use	Res. Low Density Zoning
FEMA Map #	N/A	Elevation	N/A	MFE	114.1'	River	N/A
Comments	OK						
NOI	☒ 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 ☒ Sub VF Form						
Road/Code	☐ School ☐ TOTAL (Suspended) ☒ Ellisville Water ☒ App Fee Paid						

Septic Permit No. X-12057-Jn 41E Box

Name Authorized Person Signing Permit Bryan Baker Phone 752-8653 Address PO Box 815 Lake City, FL 32056

Owners Name Glen Colunga Phone 965-3698 911 Address 147 SW Lotus Gl. LG, FL 32024

Contractors Name Bryan Baker Homes Phone 752-8653 Address PO Box 815 Lake City, FL 32056

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Art Homes / North Discovery PO Box 868 Lake City, FL 32056

Mortgage Lenders Name & Address 1st Federal

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

Property ID Number 03-45-16-02731-016 Estimated Cost of Construction 187,000

Subdivision Name Preserve @ Laurel Lakes Lot 16 Block 1 Unit 1 Phase _____

Driving Directions US 90 West, T/L on 252B to Preserve, T/R who preserve, go to 1st left Bellflower, then 1st left on SW Lotus Gl.

Construction of New Home Do you need a - ☒ Culvert Permit ☐ or ☐ Culvert Waiver ☐ or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 26 Side 11 Side 30 Rear 20 Total Building Height 21 Lot Size 1/4 Total Acreage 1/4 Number of Existing Dwellings on Property 0

Number of Stories 1 Heated Floor Area 1914 Total Floor Area 2679 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 2010 and the 2008 National Electrical Code.

Spoke to Bryan on 6-1-12

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.)

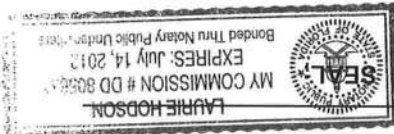
Owners Signature John H. Cole **OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.

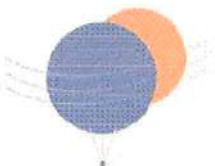
CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's Signature (Permitee) [Signature]

Contractor's License Number CBC054575
Columbia County
Competency Card Number 297X
day of May 2012

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 29th day of May 2012
Personally known [Signature] or Produced Identification
State of Florida Notary Signature (For the Contractor)





30204

7200 SW 8th Avenue #L-73
Gainesville, Florida 32607
July 9, 2012

Bryan Zecher
Bryan Zecher Construction
(386) 752-8653

Bryan,

I am writing this letter to provide you with elevation information in reference to your construction project at the following location:

147 SW Lotus Glen, Lake City, Florida 32024
Parcel ID: 03-45-16-02731-016 (Columbia County)
Lot 16 – Preserve at Laurel Lake, Unit 1 (PB 9, Pages 19-25)

Dynamic Land Solutions is licensed by the State of Florida as a Surveying and Mapping Firm. On July 9, 2012 a Professional Surveyor and Mapper was at the above reference property and determined the following:

The lowest observed elevation of the main floor of the poured foundation was 114.52 feet.

This elevation was obtained holding a benchmark elevation of 113.22 feet on the radius point of the cul-de-sac of SW Lotus Glen, per an undated letter from Britt Surveying and Mapping, LLC. This letter did not specify the elevation datum.

If you have any questions, please contact me at your convenience.

Sincerely,

Jared Rogers
President

Professional Surveyor and Mapper

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: 1205052

Street:
City, State, Zip: , fl,
Owner: Colunga - Knight
Design Location: FL, Gainesville

Builder Name: Bryan Zecher
Permit Office: Colunga
Permit Number: 22000
Jurisdiction: 22000

1. New construction or existing 2. Single family or multiple family 3. Number of units, if multiple family 4. Number of Bedrooms 5. Is this a worst case? 6. Conditioned floor area above grade (ft²) 7. Window\$320.3 sqft.) 8. Floor Types (1914.0 sqft.) 9. Wall Types (1956.0 sqft.) 10. Ceiling Types (2010.0 sqft.) 11. Ducts 12. Cooling systems 13. Heating systems 14. Hot water systems 15. Credits		1. New construction or existing 2. Single family or multiple family 3. Number of units, if multiple family 4. Number of Bedrooms 5. Is this a worst case? 6. Conditioned floor area above grade (ft²) 7. Window\$320.3 sqft.) 8. Floor Types (1914.0 sqft.) 9. Wall Types (1956.0 sqft.) 10. Ceiling Types (2010.0 sqft.) 11. Ducts 12. Cooling systems 13. Heating systems 14. Hot water systems 15. Credits	
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Glass/Floor Area: 0.167

Total Proposed Modified Loads: 33.16

Total Standard Reference Loads: 42.20

PASS

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

PREPARED BY: ELAN BEAMSLY
DATE: 5/23/12

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

OWNER/AGENT: [Signature]
DATE: 5/23/12

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:	1205052	Bedrooms:	3	Address Type:	Lot Information	Lot #		Block/SubDivision:		PlatBook:		Street:	Columbia	City, State, Zip:	ft.
Building Type:	FLProp2010	Conditioned Area:	1914												
Owner:	Colunga - Knight	Total Stories:	1												
# of Units:	1	Worst Case:	Yes												
Builder Name:	Bryan Zecher	Rotate Angle:	45												
Permit Office:		Cross Ventilation:													
Jurisdiction:		Whole House Fan:													
Family Type:	Single-family														
New/Existing:	New (From Plans)														
Design Location	TMY Site	IECC	Zone	Design Temp	Int Design Temp	Winter Summer	Heating	Design	Daily Temp						
FL, Gainesville	FL_GAINESVILLE_REGIO	2	32	92	70	75	1305.5	51	Medium						
BLOCKS															
Number	Name	Area	Volume												
1	Block1	1914	17226												
SPACES															
Number	Name	Area	Volume	Bedrooms	Occupants	Kitchen	Volume	Area	Volume	Bedrooms	Infilt ID	Finished	Cooled	Heated	
1	RoomsInBlock1	1914	17226	Yes	3	3	3	1	Yes	Yes	Yes	Yes	Yes	Yes	
FLOORS															
#	Floor Type	Space	Perimeter	R-Value	Area	Tile	Wood	Carpet							
1	Slab-On-Grade	Edge Insulatio	RoomsInBlock1	217 ft	0	1914 ft²	---	0.3	0.3	0.4					
ROOF															
#	Type	Materials	Roof	Gable	Area	Roof	Color	Solar	SA	Tested	Emitt	Emitt	Deck	Pitch	
1	Hip	Composition shingles	2141 ft²	0 ft²	Dark	0.96	No	0.9	No	0	26.6				
ATTIC															
#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC									
1	Full attic	Vented	300	1914 ft²	N	N									
CEILING															
#	Ceiling Type	Space	R-Value	Area	Framing	Frac	Truss Type								
1	Under Attic (Vented)	RoomsInBlock1	30	2010 ft²	0.11	Wood									

WALLS														
#	Omit	Adjacent To	Wall Type	Space	Cavity	Width	Height	Area	Sheathing	Framing	Solar Absor.	Below Grade%		
1	N	Exterior	Frame - Wood	RoomsinBlock	13	54	4	9	489 ft²	0.23	0.75	0		
2	E	Exterior	Frame - Wood	RoomsinBlock	13	46	2	9	415.5 ft²	0.23	0.75	0		
3	S	Exterior	Frame - Wood	RoomsinBlock	13	33		9	297 ft²	0.23	0.75	0		
4	W	Exterior	Frame - Wood	RoomsinBlock	13	55	0	9	495 ft²	0.23	0.75	0		
5	N	Garage	Frame - Wood	RoomsinBlock	13	28	10	9	259.5 ft²	0.23	0.01	0		
DOORS														
#	Omit	Door Type	Space	Storms	U-Value	Width	Height	Area	Height	Area	Height	Area		
1	N=SE	Insulated	RoomsinBlock	None	0.4	3	8	24 ft²	17.77777	8	16 ft²	3		
2	N=SE	Insulated	RoomsinBlock	None	0.4	3	8	24 ft²	17.77777	8	16 ft²	3		
3	S=NW	Insulated	RoomsinBlock	None	0.4	3	8	24 ft²	17.77777	8	16 ft²	3		
WINDOWS														
Orientation shown is the entered orientation (=>) changed to Worst Case.														
#	Omit	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Depth	Overhang	Int Shade	Screening	
1	N=SE	1	Metal	Low-E Double	Yes	0.3	0.3	N	72 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None	
2	N=SE	1	Metal	Low-E Double	Yes	0.3	0.3	N	64 ft²	10 ft 8 in	1 ft 0 in	HERS 2006	None	
3	E=SW	2	Metal	Low-E Double	Yes	0.3	0.3	N	18 ft²	99 ft 0 in	1 ft 0 in	HERS 2006	None	
4	E=SW	2	Metal	Low-E Double	Yes	0.3	0.3	N	31 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None	
5	E=SW	2	Metal	Low-E Double	Yes	0.3	0.3	N	4 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None	
6	S=NW	3	Metal	Low-E Double	Yes	0.3	0.3	N	12 ft²	8 ft 6 in	1 ft 0 in	HERS 2006	None	
7	S=NW	3	Metal	Low-E Double	Yes	0.3	0.3	N	32 ft²	12 ft 0 in	1 ft 0 in	HERS 2006	None	
8	S=NW	3	Metal	Low-E Double	Yes	0.3	0.3	N	36 ft²	8 ft 6 in	1 ft 0 in	HERS 2006	None	
9	S=NW	3	Metal	Low-E Double	Yes	0.3	0.3	N	4 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None	
10	W=NE	4	Metal	Low-E Double	Yes	0.3	0.3	N	5.333333	1 ft 6 in	1 ft 0 in	HERS 2006	None	
11	W=NE	4	Metal	Low-E Double	Yes	0.3	0.3	N	6 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None	
12	W=NE	4	Metal	Low-E Double	Yes	0.3	0.3	N	36 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None	
GARAGE														
#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation	1	430 ft²	55 ft	9 ft	1	430 ft²	55 ft	9 ft	1
INFILTRATION														
#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50	6.2952	0.2771	0.2771	6.2952	0.2771	0.2771

[illegible]

Florida Code Compliance Checklist
 Florida Department of Business and Professional Regulations
 Residential Whole Building Performance Method

ADDRESS:

, fl,

PERMIT #:

MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2.	
Thermostat & controls	403.1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.	
Ducts	403.2.2	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7.2 of this code.	
	403.3.3	Building framing cavities shall not be used as supply ducts.	
Water heaters	403.4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.	
Mechanical ventilation	403.5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	
Swimming Pools & Spas	403.9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/limer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0.	
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	
Ceilings/knee walls	405.2.1	R-19 space permitting.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 79

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

, , ft,

1. New construction or existing	New (From Plans	Single-family	1	3	Yes	1914	Area	320.33 ft ²	11. Ducts	a. Sup: Attic, Ret: RoomsInBlock1	6 382.8
2. Single family or multiple family									b. N/A		R=
3. Number of units, if multiple family									c. N/A		R=
4. Number of Bedrooms									d. N/A		R=
5. Is this a worst case?									a. Under Attic (Vented)		Insulation Area
6. Conditioned floor area (ft ²)									b. N/A		2010.00 ft ²
7. Windows**									c. N/A		R=
a. U-Factor:	SHGC:0.30	DbI, U=0.30							d. N/A		R=
b. U-Factor:	SHGC:	N/A							a. Sup: Attic, Ret: RoomsInBlock1		6 382.8
c. U-Factor:	SHGC:	N/A							b. N/A		R=
d. U-Factor:	SHGC:	N/A							c. N/A		R=
Area Weighted Average Overhang Depth:	SHGC:								d. N/A		R=
Area Weighted Average SHGC:									a. Under Attic (Vented)		2010.00 ft ²
Insulation Area									b. N/A		R=
10. Ceiling Types									c. N/A		R=
a. Frame - Wood, Exterior									d. N/A		R=
b. Frame - Wood, Adjacent									a. Sup: Attic, Ret: RoomsInBlock1		6 382.8
12. Cooling systems									b. N/A		R=
a. Central Unit									c. N/A		R=
13. Heating systems									d. N/A		R=
a. Electric Heat Pump									a. Sup: Attic, Ret: RoomsInBlock1		6 382.8
14. Hot water systems									b. N/A		R=
a. Electric									c. N/A		R=
b. Conservation features									d. N/A		R=
15. Credits									a. Sup: Attic, Ret: RoomsInBlock1		6 382.8
None									b. N/A		R=
Cap: 66 gallons									c. N/A		R=
EF: 0.94									d. N/A		R=
PSat									a. Sup: Attic, Ret: RoomsInBlock1		6 382.8

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:

Address of New Home:

Date:

City/FL Zip:



*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section 303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

Residential System Sizing Calculation

Summary

Project Title:
1205052

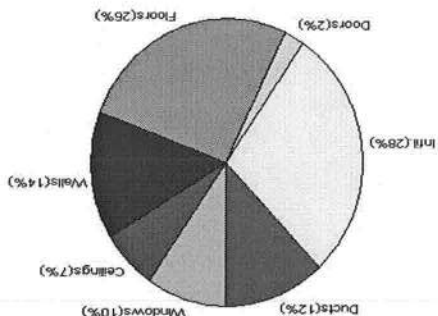
Colunga - Knight

11

5/23/2012

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature(MJ8 99%)	33 F	Summer design temperature(MJ8 99%)	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation		Total cooling load calculation	
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	125.6 45000	Sensible (SHR = 0.75)	118.2 33750
Heat Pump + Auxiliary(0.0kW)	125.6 45000	Latent	122.9 11250
		Total (Electric Heat Pump)	119.4 45000

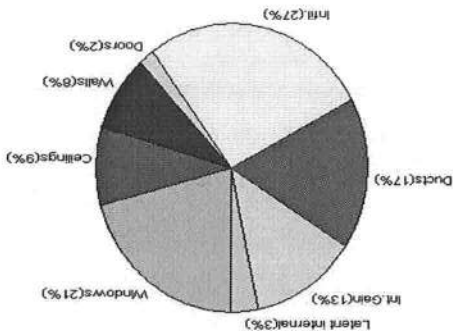
WINTER CALCULATIONS



Load component		
Window total	320 sqft	3556 Btuh
Wall total	1578 sqft	5182 Btuh
Door total	58 sqft	855 Btuh
Ceiling total	2010 sqft	2368 Btuh
Floor total	1914 sqft	9474 Btuh
Infiltration	248 cfm	10029 Btuh
Duct loss		4352 Btuh
Subtotal		35816 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		35816 Btuh

Winter Heating Load (for 1914 sqft)

SUMMER CALCULATIONS



Load component		
Window total	320 sqft	7859 Btuh
Wall total	1578 sqft	3152 Btuh
Door total	58 sqft	647 Btuh
Ceiling total	2010 sqft	3329 Btuh
Floor total	186 cfm	3456 Btuh
Infiltration	0 cfm	4780 Btuh
Duct gain		5324 Btuh
Sens. Ventilation		0 Btuh
Blower Load		0 Btuh
Total sensible gain		28547 Btuh
Latent gain(ducts)		1166 Btuh
Latent gain(infiltration)		6786 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		1200 Btuh
Total latent gain		9153 Btuh
TOTAL HEAT GAIN		37700 Btuh

Summer Cooling Load (for 1914 sqft)



8th Edition

EnergyGauge® / USRFZB v3.0

EnergyGauge® System Sizing
PREPARED BY: EIAN BOMSLER
DATE: 5/23/12

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Colunga - Knight

Project Title:

1205052

Building Type: User

5/23/2012

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%)
This calculation is for Worst Case. The house has been rotated 225 degrees.

Component Loads for Whole House

Window	Panes/Type	Frame U	Orientation	Area(sqft)	X	HTM=	Load	
1	2, NFRC 0.30	Metal 0.30	SW	72.0	11.1	799 Btuh	799 Btuh	
2	2, NFRC 0.30	Metal 0.30	SW	64.0	11.1	710 Btuh	710 Btuh	
3	2, NFRC 0.30	Metal 0.30	NW	18.0	11.1	200 Btuh	200 Btuh	
4	2, NFRC 0.30	Metal 0.30	NW	31.0	11.1	344 Btuh	344 Btuh	
5	2, NFRC 0.30	Metal 0.30	NW	4.0	11.1	44 Btuh	44 Btuh	
6	2, NFRC 0.30	Metal 0.30	NE	12.0	11.1	133 Btuh	133 Btuh	
7	2, NFRC 0.30	Metal 0.30	NE	32.0	11.1	355 Btuh	355 Btuh	
8	2, NFRC 0.30	Metal 0.30	NE	36.0	11.1	400 Btuh	400 Btuh	
9	2, NFRC 0.30	Metal 0.30	NE	4.0	11.1	44 Btuh	44 Btuh	
10	2, NFRC 0.30	Metal 0.30	SE	5.3	11.1	59 Btuh	59 Btuh	
11	2, NFRC 0.30	Metal 0.30	SE	6.0	11.1	67 Btuh	67 Btuh	
12	2, NFRC 0.30	Metal 0.30	SE	36.0	11.1	400 Btuh	3556 Btuh	
Window Total								
Walls	Type	Ornt. Ueff.	R-Value	Area X	HTM=	Load		
1	Frame - Wood	- Ext (0.089)	13.0/0.0	329	3.28	1080 Btuh	1080 Btuh	
2	Frame - Wood	- Ext (0.089)	13.0/0.0	363	3.28	1190 Btuh	1190 Btuh	
3	Frame - Wood	- Ext (0.089)	13.0/0.0	197	3.28	647 Btuh	647 Btuh	
4	Frame - Wood	- Ext (0.089)	13.0/0.0	448	3.28	1470 Btuh	1470 Btuh	
5	Frame - Wood	- Adj (0.089)	13.0/0.0	242	3.28	794 Btuh	5182 Btuh	
Wall Total								
Doors	Type	Storm Ueff.	Area X	HTM=	Load			
1	Insulated - Exterior, n (0.400)	24	14.8	355 Btuh				
2	Insulated - Garage, n (0.400)	18	14.8	263 Btuh				
3	Insulated - Exterior, n (0.400)	16	14.8	237 Btuh				
Door Total							855Btuh	
Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load		
1	Vented Attic/D/Shing (0.032)	30.0/0.0	2010	1.2	2368Btuh			
Ceiling Total							2368Btuh	
Floors	Type	Ueff.	R-Value	Size X	HTM=	Load		
1	Slab On Grade	(1.180)	0.0	217.0 ft(perim.)	43.7	9474 Btuh	9474 Btuh	
Floor Total							9474 Btuh	
Envelope Subtotal:							21435 Btuh	
Infiltration	Type	Wholehouse ACH	Volume(cuft)	Wall Ratio	CFM=	10029 Btuh		
Natural							0.86 17226 1.00 247.6	
Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.138)							4352 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Colunga - Knight

Project Title:
1205052
Building Type: User

5/23/2012

All Zones	Sensible Subtotal All Zones	35816 Btuh
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WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	35816 Btuh 0 Btuh 35816 Btuh
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EQUIPMENT

1. Electric Heat Pump	#	45000 Btuh
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Key: Window types -NRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (Manual Heat Transfer Multiplier)



Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Colunga - Knight

Project Title:

1205052

#

Reference City: Gainesville, FL
 Temperature Difference: 17.0F(MJ8 99%)
 Humidity difference: 54gr.

This calculation is for Worst Case. The house has been rotated 225 degrees.

Component Loads for Whole House

Window	Type*	Overhang	Window Area(sqft)	HTM	Load
1	2 NFRC 0.30, 0.30 No SW	1.5ft 1.0ft	72.0	17.6	54.4
2	2 NFRC 0.30, 0.30 No SW	10.7 1.0ft	64.0	64.0	0.0
3	2 NFRC 0.30, 0.30 No NW	99.0 1.0ft	18.0	0.0	18.0
4	2 NFRC 0.30, 0.30 No NW	1.5ft 1.0ft	31.0	0.0	31.0
5	2 NFRC 0.30, 0.30 No NW	1.5ft 1.0ft	4.0	0.0	4.0
6	2 NFRC 0.30, 0.30 No NE	8.5ft 1.0ft	12.0	0.0	12.0
7	2 NFRC 0.30, 0.30 No NE	12.0 1.0ft	32.0	0.0	32.0
8	2 NFRC 0.30, 0.30 No NE	8.5ft 1.0ft	36.0	0.0	36.0
9	2 NFRC 0.30, 0.30 No NE	1.5ft 1.0ft	4.0	0.0	4.0
10	2 NFRC 0.30, 0.30 No SE	1.5ft 1.0ft	5.3	2.9	3.1
11	2 NFRC 0.30, 0.30 No SE	1.5ft 1.0ft	6.0	8.8	27.2
12	2 NFRC 0.30, 0.30 No SE	1.5ft 1.0ft	36.0	8.8	27.2
Excursion					
Window Total					
Type					
U-Value R-Value Area(sqft)					
HTM					
Load					
1647 Btuh					
730 Btuh					
455 Btuh					
783 Btuh					
101 Btuh					
303 Btuh					
808 Btuh					
909 Btuh					
101 Btuh					
61 Btuh					
115 Btuh					
824 Btuh					
1021 Btuh					
7859 Btuh					
Type					
U-Value R-Value Area(sqft)					
HTM					
Load					
329.0					
362.5					
197.0					
447.7					
241.7					
1578 (sqft)					
Area (sqft)					
HTM					
Load					
686 Btuh					
756 Btuh					
411 Btuh					
934 Btuh					
365 Btuh					
3152 Btuh					
Type					
Insulated - Exterior					
Insulated - Garage					
Insulated - Exterior					
Door Total					
58 (sqft)					
Area (sqft)					
HTM					
Load					
269 Btuh					
199 Btuh					
179 Btuh					
647 Btuh					
Type/Color/Surface					
U-Value R-Value Area(sqft)					
HTM					
Load					
3329 Btuh					
Ceiling Total					
1					
Type					
Slab On Grade					
Floor Total					
1914.0 (sqft)					
Size					
HTM					
Load					
0 Btuh					
Envelope Subtotal:					
14986 Btuh					

Infiltration	Type	Average ACH	Volume(cuft) Wall Ratio	CFM=	Load
Internal	Natural	0.65	17226	185.7	3456 Btuh
gain	Occupants	6	Btuh/occupant	Appliance	Load
		X	230	+	3400
	Sensible Envelope Load:				
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DGM of 0.229)				
	Sensible Load All Zones				
	28547 Btuh				

Residential Load - Component Details (continued)

4

Whole House Totals for Cooling		Sensible Envelope Load All Zones 23222 Btuh 5324 Btuh 28547 Btuh Total Sensible Zone Loads Sensible ventilation 0 Btuh Blower Total sensible gain Latent infiltration gain (for 54 gr. humidity difference) 6786 Btuh 0 Btuh 28547 Btuh Total sensible gain Latent duct gain 1166 Btuh 1200 Btuh 0 Btuh 9153 Btuh Latent total gain TOTAL GAIN 37700 Btuh
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1. Central Unit	#	45000 Bluh
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EnergyGauge® / USRFZB v3.0

**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST**



MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2010 EFFECTIVE 15 MARCH 2012 AND THE NATIONAL ELECTRICAL 2008 EFFECTIVE 1 OCTOBER 2009

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2010 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 15 MARCH 2012. NATIONAL ELECTRICAL CODE 2008 EFFECTIVE 1 OCTOBER 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 FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES

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	☒	IIIIII	IIIIII	IIII
3	Condition space (Sq. Ft.)	1914			
	Total (Sq. Ft.) under roof	2679			

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 are required.

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

28	Identify accessibility of bathroom (see FBCR SECTION 320)			
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails			
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)			
25	Safety glazing of glass where needed			
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 FBC 1405.13.2 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.			
23	Shear wall opening shown (Windows, Doors and Garage doors)			
22	All exterior and interior shear walls indicated			
21	Raised floor surfaces located more than 30 inches above the floor or grade			
20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies			

Floor Plan including:

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

Elevations Drawing including:

GENERAL REQUIREMENTS:		APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			
Items to Include- Each Box shall be Circled as Applicable	Plans or specifications must show compliance with FBCR Chapter 3	9	Basic wind speed (3-second gust), miles per hour	✓	YES
		10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓	YES
		11	Wind importance factor and nature of occupancy	✓	YES
		12	The applicable internal pressure coefficient, Components and Cladding	✓	YES
		13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specially designed by the registered design professional.	✓	YES

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

FBCE 403: Foundation Plans

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 valve of soil 1000 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	☒		

FBCE 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	☒		

FBCE 318: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. Protection shall be provided by registered termiticides	☒		
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FBCE 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	☒		

Architect

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

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 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	☒		

FBRC CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

49	Show Draftstopping, Fire caulking and Fire blocking								
50	Show fireproofing requirements for garages attached to living spaces, per FBRC section 302.6								
51	Provide live and dead load rating of floor framing systems (psf).								

GENERAL REQUIREMENTS:

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 IRC 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 IRC 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								

FBRC: ROOF SYSTEMS:

60	Truss design drawing shall meet section FBRC 802.1.6.1 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								

FBRC 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								

FBRC 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								

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

HVAC information

73	Show the insulation R value for the following areas of the structure	☒	☒	☒	☒
74	Attic space	☒	☒	☒	☒
75	Exterior wall cavity	☒	☒	☒	☒
76	Crawl space	☒	☒	☒	☒

Plumbing Fixture layout shown

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	☒	☒	☒	☒

Private Potable Water

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

Electrical layout shown including

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

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	☒	☒	☒	☒
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits 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				

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

92	Building Permit Application A current On-Line Building Permit Application www.ccpermit.com is to be completed, by following the Checklist all supporting documents must be submitted.	✓		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also requested. www.columbiacountyfla.com	✓		
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 386-752-2031	✓		
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 approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required. A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00	✓		
100	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. County Public Works Dept. determines the size and length of every culvert before installation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	✓		
101	911 Address: An 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 Ext. 3	✓		

30204

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: IU00487-Z0121100419

Truss Fabricator: Anderson Truss Company
Job Identification: REPAIR 12-099 (REPAIR 12-099-)
Truss Count: 1

Model Code: Florida Building Code 2010

Truss Criteria: FBG2010Res/TP1-2007(STD)

Engineering Software: Alpine Software, Version 10.03.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Address: the seal date per section 61615-31.003(5a) of the FAC

Roof - 37.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 120 MPH ASCE 7-10 - 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/TP1 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

Details: -

#	Ref	Description	Drawing#	Date
1	79706-F1	15'2" Flat GI	12143033	05/22/12

Repair Charge: \$211.25 per Customer Agreement.
Amount to be invoiced separately.

William H. Krick
-Truss Design Engineer-
1950 Marley Drive
Haines City, FL 33844



FIELD REPAIR MUST COMPLY WITH ALPINE DESIGNS AND SPECIFICATIONS.

REFER TO DRAWING HCUSR6704 12103096, 12103097, 12103073, AND 12103074 FOR LUMBER, PLATES AND OTHER DATA NOT GIVEN HERE.

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

Special loads

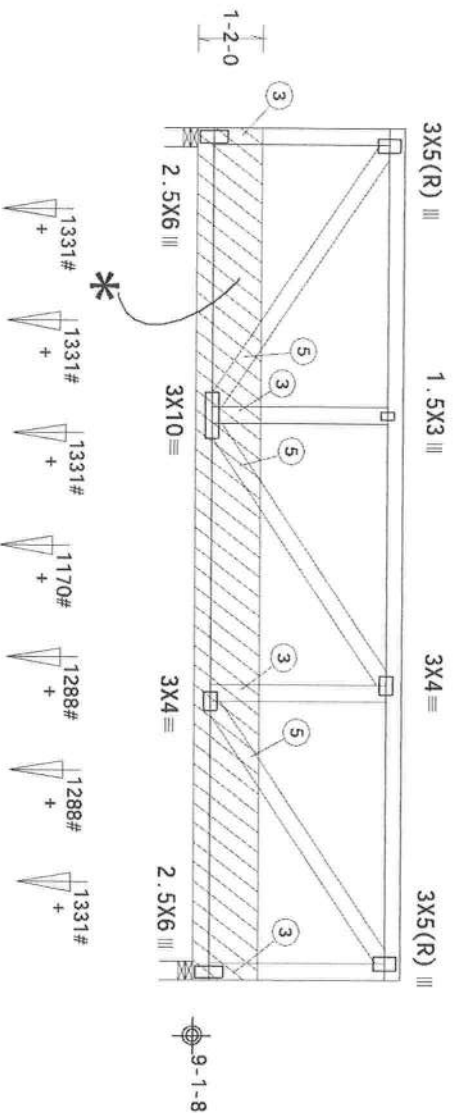
-----Lumber

	Dur.	Fac.=1.25	/	Plate	Dur.	Fac.=1.25
TC- From	27	pif at	0.00	to	27	pif at 15.17
BC- From	10	pif at	0.00	to	10	pif at 15.17
BC- 1331.00	1b	Conc.	Load at	1.44,	3.44,	5.44, 13.44
BC- 1170.00	1b	Conc.	Load at	7.44		
BC- 1288.00	1b	Conc.	Load at	9.44, 11.44		

* 2-PLY VERSA LAM 1, 4 1800 1, 75 "X1-2-0X15-2-0 (OR BETTER) LVL BEAMS. ATTACH TO THE TRUSS WITH ONE ROW OF SIMPSON SDW22500 0.22"x3" (S5) SCREW AT 4" O. C. THROUGHOUT BOTTOM CHORD. WITH ADDITIONAL SDW22500 SCREWS AT CLUSTERS AS SPECIFIED BY THE NUMBERS IN CIRCLES. REFER TO SIMPSON STRONG-TIE TECHNICAL LITERATURE FOR MORE INFORMATION REQUIREMENTS.

NOTE: LVL BEAM TO BE DESIGNED AND FURNISHED BY OTHERS AND MUST BE DESIGNED TO SUPPORT LOADING AS STATED IN "SPECIAL LOADS."

+ 1331#, 1170#, & 1288# CONCENTRATED LOADS MUST BE TRANSFERRED IN ITS ENTIRETY TO THE LVL BEAMS.



R=4920 U=813 W=4"

R=4711 U=906 W=4"

15-2-0 Over 2 Supports

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD
FT/RT=20%(0%)/10(0))

70 03 11 0209 20

OTY-1

EI / - / A / - / - / P / -

Scale = 313E"/E+

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

2000

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

responsibility for our outstanding designs. The responsibility of the Building Designer part A13/A191 / Part 2, Sec. 2. For more information send "This job".
General notes page: ITA-BDCI: www.itabdcg.com; TPI : www.tpi.net.org; BTCA: www.btcaindustry.com;
ICC: www.iccstaff.org

08/21/2012

DUR. FAC.
SPACING

REF - 11100487 701

#30204

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: LUOI487-Z0109151822



Truss Fabricator: Anderson Truss Company
Job Identification: 12-099--BRYAN ZECHER
Truss Count: 6
Florida Building Code: FBC2010Res/TP1-2007(STD)
Model Code:
Truss Criteria:
Engineering Software: Alpine Software, Version 10.03.
The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC
Address:
Minimum Design Loads:
Roof - 37.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 120 MPH ASCE 7-10 -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/TP1 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

Details: BRCLBSUB-160TL-

#	Ref	Description	Drawing#	Date
1	48827	revA5 35'4" Step	12222007	08/09/12
2	48828	revA6 35'4" Step	12222002	08/09/12
3	48829	revA7 35'4" Step	12222003	08/09/12
4	48830	revA8 33'4" Step	12222004	08/09/12
5	48831	revA9 33'4" Spec	12222005	08/09/12
6	48832	revA10 35'4" Spe	12222006	08/09/12

Douglas Fleming
-Truss Design Engineer-
1950 Marley Drive
Haines City, FL 33844

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

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

Left end vertical not exposed to wind pressure.

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

(H1) = (J) Hanger not calculated (2)2x4 SP #1 supporting member.

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

11 GAUGE (0.120")X1.375" nails required for truss plate attachment. Nails specified in circles must be applied to each face of each truss ply. See DMC 1601L for nailing and truss plate requirements.

This design is based on lumber values in effect prior to June 1, 2012 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction. The building designer and the project owner.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

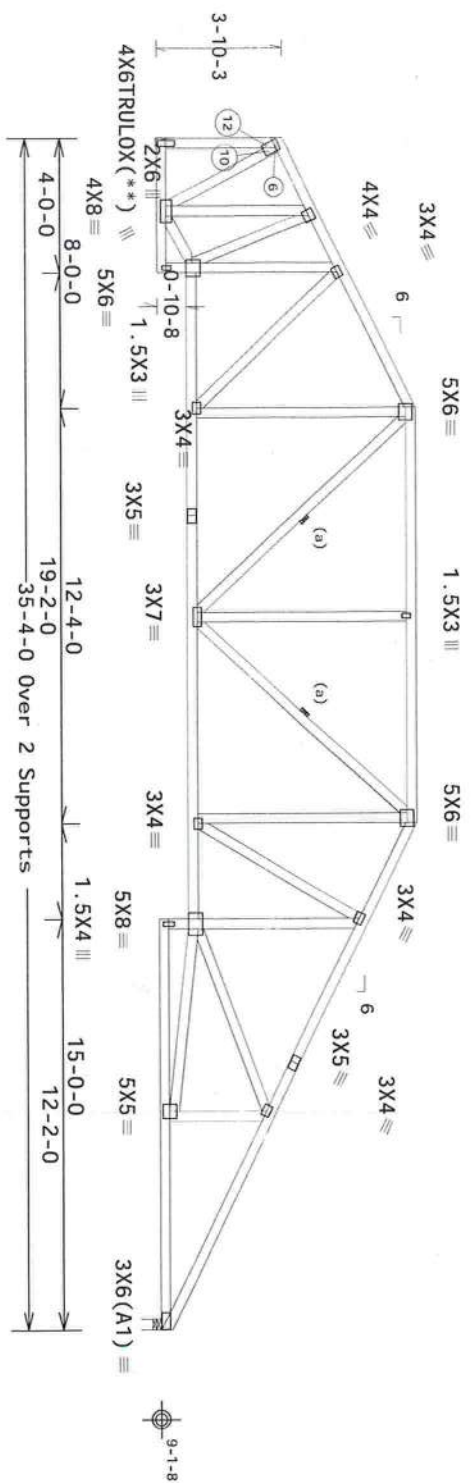
Wind loads and reactions based on MWFRS with additional C&C member design.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

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

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



R=1331 U=66
RL=111/-146

R=1342 U=83 W=4"

PLT TYP. Wave, Trulox

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

10.03.11.0209.20 QTY:

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

Scale = .1875"/Ft.

ALPINE

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

****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. Before installation, the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) for BCSI 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 shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of the truss. Applying plaster, sheathing or other finish to the truss shall be done in accordance with the drawing or cover page listing this drawing. 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.truss.org, WTA, www.theindustry.com, IBC, www.icba.org.



TC LL	20.0 PSF	REF R487-- 48827
TC DL	7.0 PSF	DATE 08/09/12
BC DL	10.0 PSF	DRW HCUSR487 12222007
BC LL	0.0 PSF	HC-ENG DF/DF
TOT. LD.	37.0 PSF	SEQN- 13829
DUR. FAC.	1.25	FROM CVB
SPACING	24.0"	JREF- 1U01487_Z01

(12-099--BRYAN ZECHER Colunga-Knight Residence -- Jasmine 1180F Lake City, FL - revA7 35'4" Steppdown Hip)

Top chord 2x4 SP #1 : 11 2x4 SP M-30:
Bot chord 2x4 SP #1 : 81 2x4 SP M-30:
Webs 2x4 SP #3 : 80 2x4 SP #2:

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

Left end vertical not exposed to wind pressure.

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

(HT) = (J) Hanger not calculated (2)2x4 SP #1 supporting member.

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

11 GAUGE (0.120")X1.375" nails required for trulox plate attachment. Nails specified in circles must be applied to each face of each truss ply. See DMC 160TLL for nailing and trulox plate requirements.

This design is based on values in effect prior to June 1, 2012 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

120 mph wind, 15.00 ft. mean hgt. ASCE 7-10, CLOSED bldg. not located within 9.00 ft. from roof edge. RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

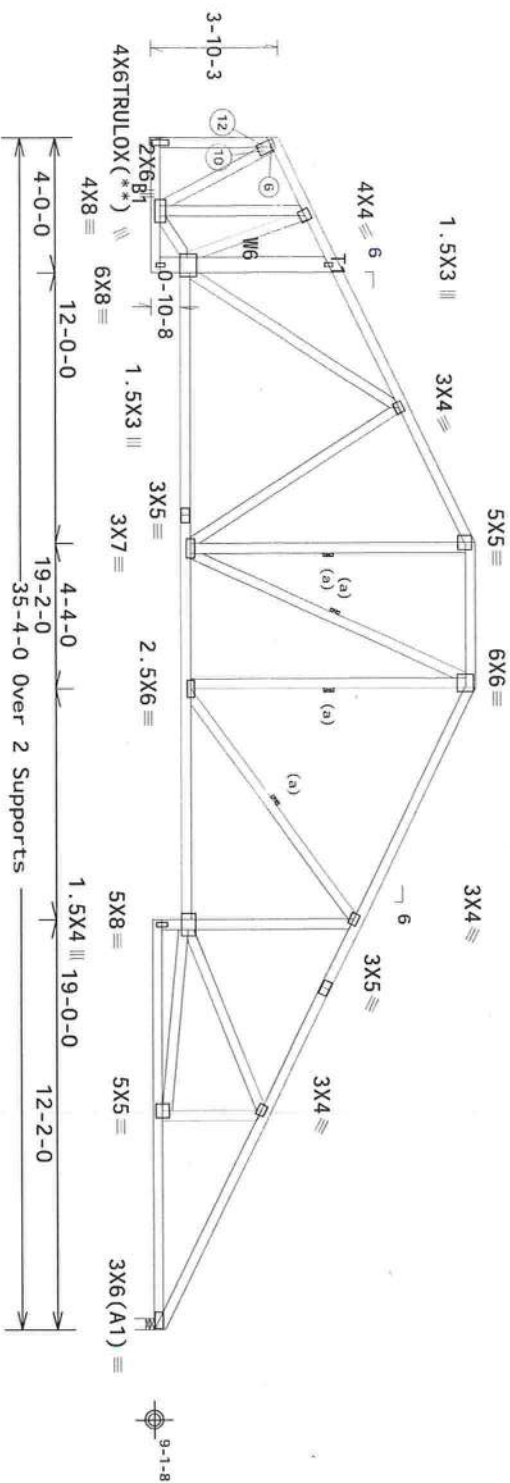
Wind loads and reactions based on MWFRS with additional C&C member design.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

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

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



R=1331 U=28
RL=156/-191

R=1342 U=54 W=4"

PLT TYP. Wave, Trulox

Design Crit: FBC2010Res/TP1-2007 (STD)
FT/RT=20% (0% / 10 (0))

10.08.11.0209.20

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

Scale = .1875"/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 the latest edition of BCSI Building Component Safety Information, by TPI and WTC for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

TPI Building Components Group Inc. (TPIWCO) shall not be responsible for any deviation from this design. The user of this design shall be responsible for any deviation from this design. The user of this design shall be responsible for any deviation from this design.

general notes page, TPIWCO- www.tpiwco.com; TPI - www.tpi.net; WTC - www.theindustry.com; (603) www.tceware.org

ALPINE

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



TC LL	20.0 PSF	REF	R487--	48829
TC DL	7.0 PSF	DATE	08/09/12	
BC DL	10.0 PSF	DRW	HCUSR487	12222003
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT. LD.	37.0 PSF	SECM-	13802	
DUR. FAC.	1.25	FROM	CVB	
SPACING	24.0"	JREF-	1U01487_201	

Negative reaction(s) of -513# MAX. (See below) from a non-wind load case requires uplift connection.

120 mph wind, 15.22 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCFP (+/-)=0.18

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member

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

11 GAGE (0.120"x1.375" nails required for truss plate attachment. Nails specified in trusses must be applied to each face of each truss ply. See DWG 1601L for nailing and truss plate requirements.

This design is based on lumber values in effect prior to June 1, 2012 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

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

Wind loads and reactions based on MMRFS with additional CMC member design.

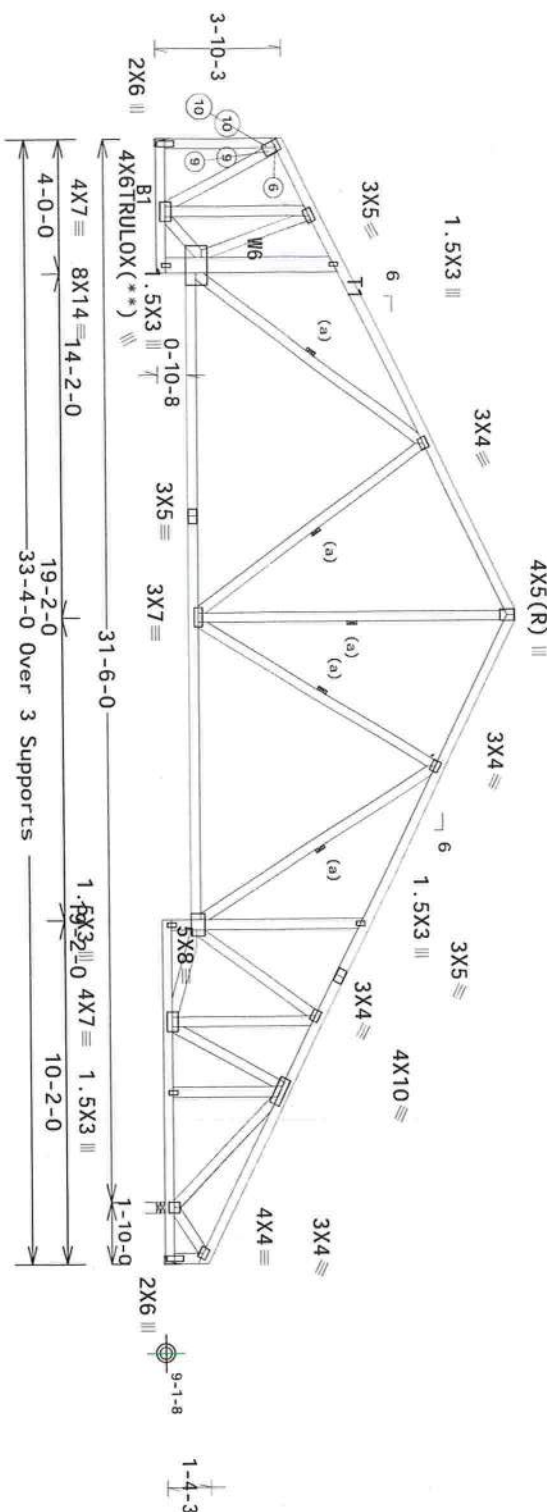
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(H1) = (J) Hanger not calculated (2)2x4 SP #1 supporting member.

(H2) = (J) Hanger not calculated (1)2x6 SP #2 supporting member.

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

MMRFS loads based on trusses located at least 15.22 ft. from roof edge.



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

MINERS loads based on trusses located at least 15.22 ft. from roof edge.

$$R=1170 \quad U=24$$
$$RL=170/-197$$

R=1819 U=42 W=4"

R=-513 R_w=18 U=246

H=SimpsonH¹

PLT TYP. Wave, Truiox

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

DATE	QTY
10.08.11	0209.20

QTY

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

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc

Haines City, FL 33844
FL COA #0278

****IMPORTANT****

WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET.

PUBLISH THIS DECISION TO ALL CONSTRUCTORS INCLUDING INSTALLERS.

Trossen requires extensive care in Fabricating, handling, shipping, installing and bracing. Be sure to follow the latest edition of BCSI Building Component Safety Information by visiting www.bcsinfo.com. Follow the instructions for proper installation, erection, bracing, and maintenance. Failure to follow these instructions may void the warranty. The following are general guidelines for the installation of Trossen products prior to performing shop work. Shop work shall have priority attached structural sheathing and bottom chord shall be properly attached prior to erecting. Locations shown for permanent lateral restraint will have bracing installed per BCSI sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (BTBCG) shall not be responsible for any deviation from this drawing. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of Trusses. Apply patches to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings TB6A-2 for standard plate positions. A seal on framing or cover panel fastening 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 joint details page, BTBCG web, www.tbtcg.com, TPI - www.tpi-inc.org, BTCA - www.btcaindustry.com.

general note page, BTBCG web, www.tbtcg.com, TPI - www.tpi-inc.org, BTCA - www.btcaindustry.com.

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 066040
08/09/2012

TC DL	7.0 PSF	DATE	08/09/12
BC DL	10.0 PSF	DRW	HCUSR487 12222004
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	37.0 PSF	SEQN-	13780
DUR. FAC.	1.25	FROM	CVB
SPACING	24.0"	JREF-	1U01487_Z01

Negative reaction(s) of -659# MAX. (See below) from a non-wind load case requires uplift connection.

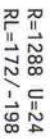
Left end vertical not exposed to wind pressure.

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

(H1) = (J) Hanger not calculated (2)2x4 SP #1
supporting member.
(H2) = (J) Hanger not calculated (1)2x6 SP #2
supporting member.

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

MMFRS loads based on trusses located at least 15.26 ft. from roof edge.



R=2100 U=44 W=4"

R=-660 Rn=20 U=269 H=5 Simpson LUS26
Supported Member Face: (3) 0.148"x3" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (1) 2x6 SP #2

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

10.03.11	0209.20	QTY
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FL/-/4/-/-/R/-

Scale = .1875"/Ft.



ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

*****IMPORTANT*** FURNISHING - READ AND FOLLOW ALL NOTES ON THIS SHEET**

Trussco requires extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BC51 Building Component Safety Information, by TPI and WITCA for all practices prior to performing these functions. Installers shall provide temporary bracing per BC51, unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BC51 seating. Locations shown for permanent lateral restraints shall have bracing installed per BC51 seating, 85, 87 or 89, as applicable.

ITR Building Components Group Inc. (ITRBCO51) shall not be responsible for any deviation from this document. Trussco shall be responsible for any deviation from this document. Trussco shall not be responsible for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, 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 T60A-2 for standard plate positions. Drawing and/or cover page lacking this drawing, shall not be used for installation. The responsibility for any deviation from this document shall rest with the Building Designer per ANSI/TPI 1, Sec.2. For more information see: This job's general notes page. ITR-BCO51: www.itrbco.com; TPI: www.tpi-inc.com; WITCA: www.theindustry.com; info@trussco.org

This design is based on lumber values in effect prior to June 1, 2012 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

120 mph wind, 15.26 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, Exp. C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Hangar specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is .50.

(a) Continuous lateral bracing equally spaced on member.

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

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

Professional Engineer Seal for Douglas Fleming, State of Florida, License No. 68648, Exp. 11/02/08.

FL/-/4/-/-/R/-		Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R487-- 48831
TC DL	7.0 PSF	DATE 08/09/12
BC DL	10.0 PSF	DRW HCUSR487 12222005
BC LL	0.0 PSF	HC-ENG DF/DF
TOT. LD.	37.0 PSF	SEQN- 13718
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1U01487_Z01

THIS FILE PREPARED FROM COMPILED INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRISE MED

This design is based on lumber values in effect prior to June 1, 2012 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the

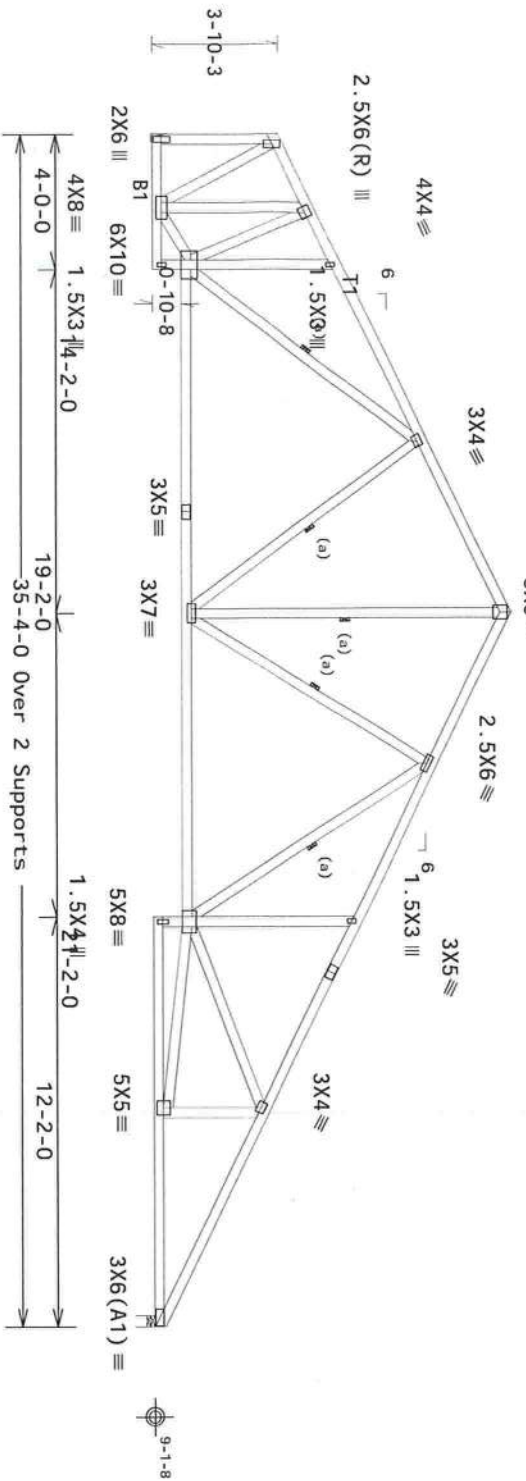
Wind loads and reactions based on MIFRS with additional C&C member design.

H = recommended connection based on manufacturer tested capacities and calculations.

(H1) = (J) Hanger not calculated (2)2x4 SP #1

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

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



R=1342 U=28 W=4"

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

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

Scale = .1875"/Ft.

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

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF	R487-- 48832
TC DL	7.0 PSF	DATE	08/09/12
BC DL	10.0 PSF	DRW	HCUSR487 12222006
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	37.0 PSF	SEQN-	13773
DUR. FAC.	1.25	FROM	CVB
SPACING	24.0"	JREF-	1U01487_Z01

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

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

WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	SCAB BRACE
2x3 OR 2x4	1 PDV	2x4	1-2x4
2x3 OR 2x4	2 PDWS	2x6	2-2x4
2x6	1 PDV	2x4	1-2x6
2x6	2 PDWS	2x6	2-2x4 ^(a)
2x8	1 PDV	2x6	1-2x8
2x8	2 PDWS	2x6	2-2x6 ^(a)

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

[illegible]

 FURNISH COPY OF THIS DECISION TO INSTALLATION CONTRACTOR

THE BUILDING COMPONENTS GROUP INC. (TBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with TCI or falsework, including attaching a grouping of trusses. ITBDC connector plates are made of 20101505 (1/4" x 3" x 3") grade 37/40/50 (1/4" x 3/4") galn. steel. Apply plates to each face of truss, positioned as shown on joint details.

A seal on this bagging or cover page indicated acceptance and professional engineering registration for the trust component design shown. The liability and use of this component for any building is the responsibility of the building designer per ABC 191 § 26.2.

11-800-888-7860 and www.trusticon.com info@trusticon.com 100 mainstreet.org



Building Components Group Inc.

Building Components Group Inc.

Earth City, MO 63045

L-BFACING:

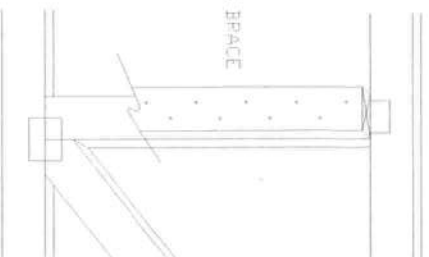
APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH JOD BOX OR GUM
01287-37 MIN NAILS
AT 5" OC
BRACE IS 4
MINIMUM 50% OF WEB
MEMBER LENGTH

T-REX
 DR
 L-PRACE

APPLY SCAB(S) TO WIDE FACE OF WEB
TWO MORE THAN (1) SCAB PER FACE.

AT 6" DC
BRACE IS A MINIMUM
90% OF WEB MEMBER LENGTH

SCAB BRACE



DOUGLAS FLEMING
LICENSE
No. 66648

No. 66648

STATE OF

APR 1964

OFFICE OF THE
...LORD...

OS/DMA/ET

80

TO LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

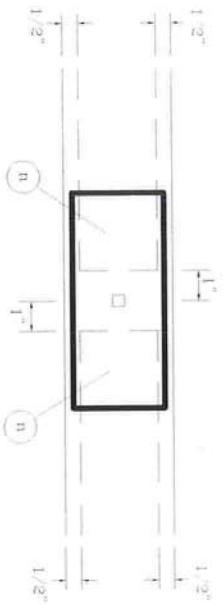
REF	CLB	SUBST.
1000		

DATE 1/1/05

DRWG BRCLPSUB0109

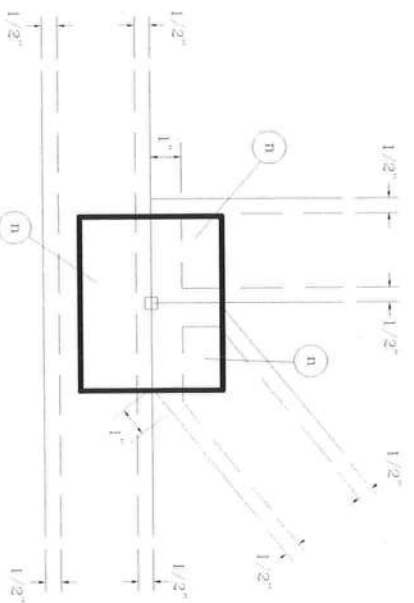
TRULOX INFORMATION DETAIL

TYPICAL OFF PANEL SPLICE

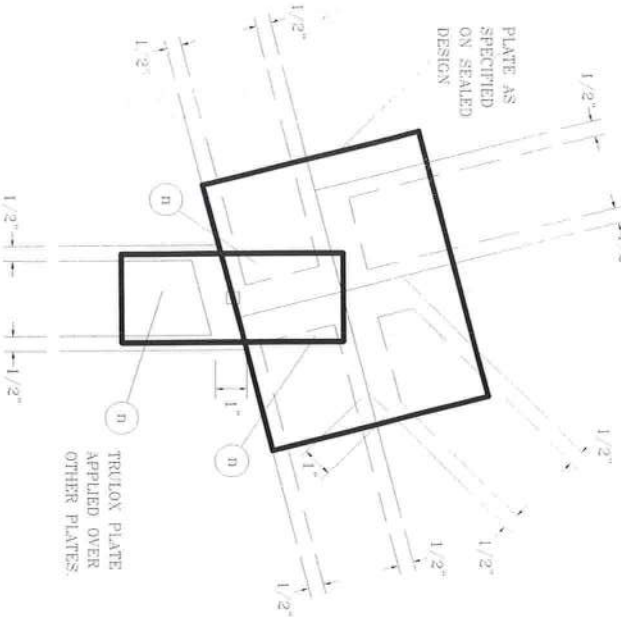


DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE AS SHOWN BY DASHED LINES
NAILS MUST NOT SPLIT LUMBER

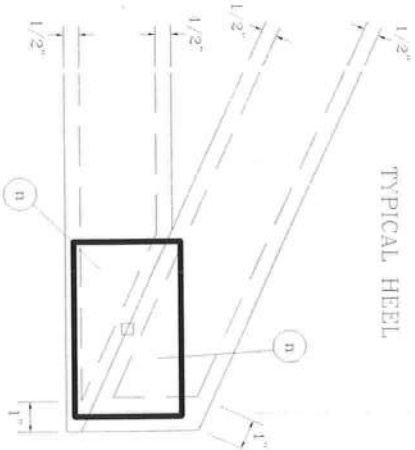
TYPICAL PANEL POINT WITHOUT SPLICE



TYPICAL FILLER



TYPICAL HEEL



TYPICAL PANEL POINT SPLICE

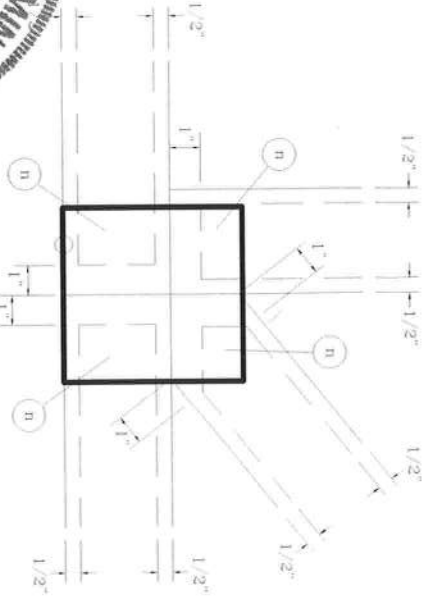


PLATE AS SPECIFIED ON SEALED DESIGN

TRULOX PLATE APPLIED OVER OTHER PLATES

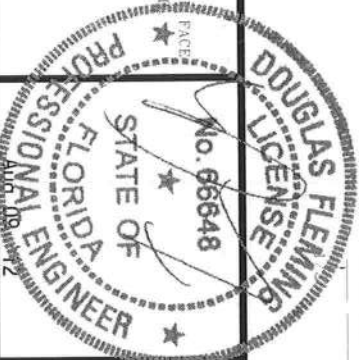
NOTES:

- (n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLATE AS SPECIFIED ON THE SEALED DESIGN REFERENCING THIS DETAIL.
- LOCATES PLATE CORNER OR FLUSH EDGE.
- LOCATES PLATE CENTER.



Building Components Group Inc.

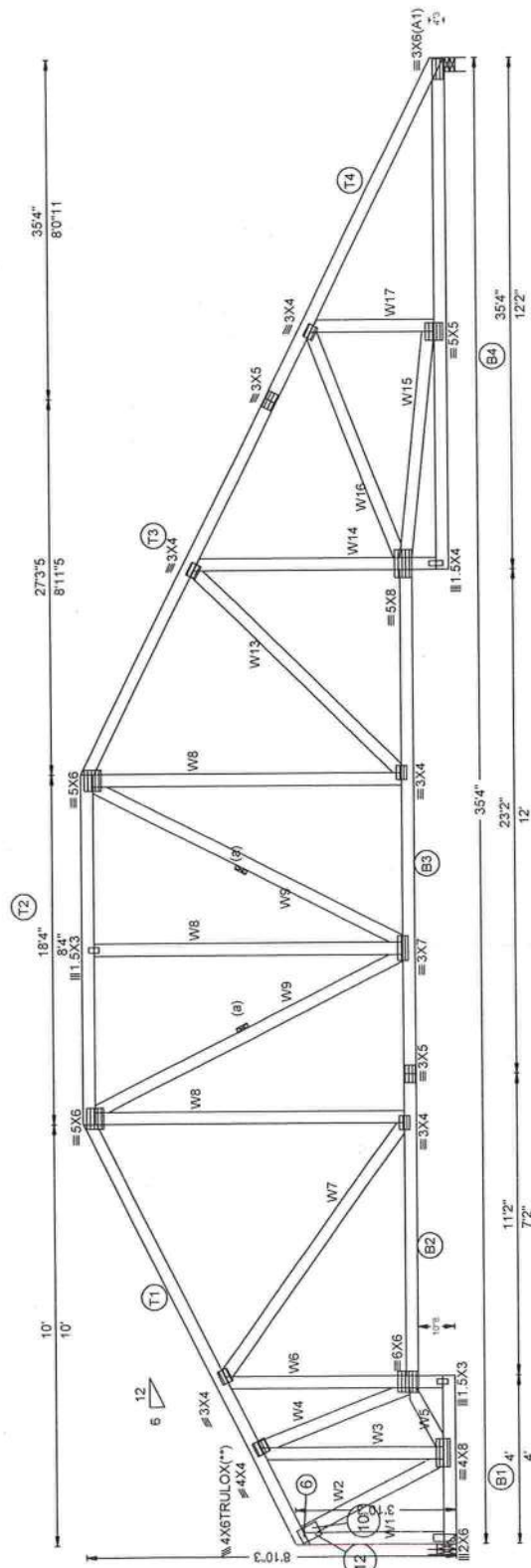
Earth City, MO 63045



TRULOX PLATING

160 TL

PAGE 1 OF 1
DATE 4/1/09



CHORDS		CHORDS		CHORDS		WEBS		WEBS	
26.6		0.0		0.0		1	2x4	1	2x4
1	2x4	1	2x4	1	2x4	1	2x4	1	2x4
	11-2-3 11-3-15		12-0-0 7-2-0 4-0-0		11-7-8 0-7-4		3-3-10 3-4-8 2-10-14 2-11-12		3-3-10 3-4-8 2-10-14 2-11-12
	CL T1 OA		CL B3 CL B2 CL B1		CL B3 CL B2 CL B1		CL W1 LS CL W17 LS		CL W1 LS CL W17 LS
SP #1		SP #1		SP #1		SP #1		SP #3	
26.6		0.0		0.0		1	2x4	1	2x4
1	2x4	1	2x4	1	2x4	1	2x4	1	2x4
	8-4-0		12-2-0 0-0-4		11-7-8 0-7-4		3-9-8		3-9-8
	CL T2		OA B4		CL B4		CL W2		CL W2
SP #1		SP #1		SP #1		SP #1		SP #3	
0.0		0.0		0.0		1	2x4	1	2x4
1	2x4	1	2x4	1	2x4	1	2x4	1	2x4
	9-11-2 10-0-0 9-0-15 9-1-13		5-8-14 5-9-12 4-3-12 4-4-10		5-8-14 5-9-12 4-3-12 4-4-10		3-10-4 3-10-7		3-10-4 3-10-7
	CL T3 LS CL T4 LS		CL W14 LS CL W3 LS		CL W14 LS CL W3 LS		CL W4 OA		CL W4 OA
SP #1		SP #1		SP #3		SP #3		SP #3	

WEBS				PLATE PICK LIST			
QNTY	SIZE	QNTY	SIZE	QNTY	SIZE	QNTY	SIZE
29.6		60.4	SP #3	2 3X6	2 3X7 2 4X8 4 5X6 2 6X6		
60.4		29.6		2 4X4			
1	2x4	1-7-4	CL W5	2 5X5			
				2 5X8			
0.0		26.6	SP M-30				
1							
		5-1-14	CL W6				
		5-2-12	LS				
36.0		54.0	SP #3				
27.5		36.0					
1	2x4	7-4-15	CL W7				
0.0		0.0	SP #3				
3							
		7-4-11	CL W8				
63.2		26.8	SP #3				
26.8		63.2					
2	2x4	8-3-5	CL W9				
45.6		44.4	SP #3				
17.8		45.6					
1	2x4	6-10-15	CL W13				
6.2		6.2	SP #3				
1							
		5-4-14	CL W15				
		5-5-4	OA				
21.4		62.4	SP #3				
42.1		21.4					
1	2x4	5-9-4	CL W16				
PLATE PICK LIST				PLATE PICK LIST			
QNTY	SIZE	QNTY	SIZE	QNTY	SIZE	QNTY	SIZE
2 4X6	TRULOX	4 1.5X3		2 4X6	TRULOX	4 1.5X3	
2 1.5X4		2 2X6		2 1.5X4		2 2X6	
10 3X4		4 3X5		10 3X4		4 3X5	

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: 2/29/2012 DATE ISSUED: 3/5/2012

ENHANCED 9-1-1 ADDRESS:

147 SW LOTUS GLN

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

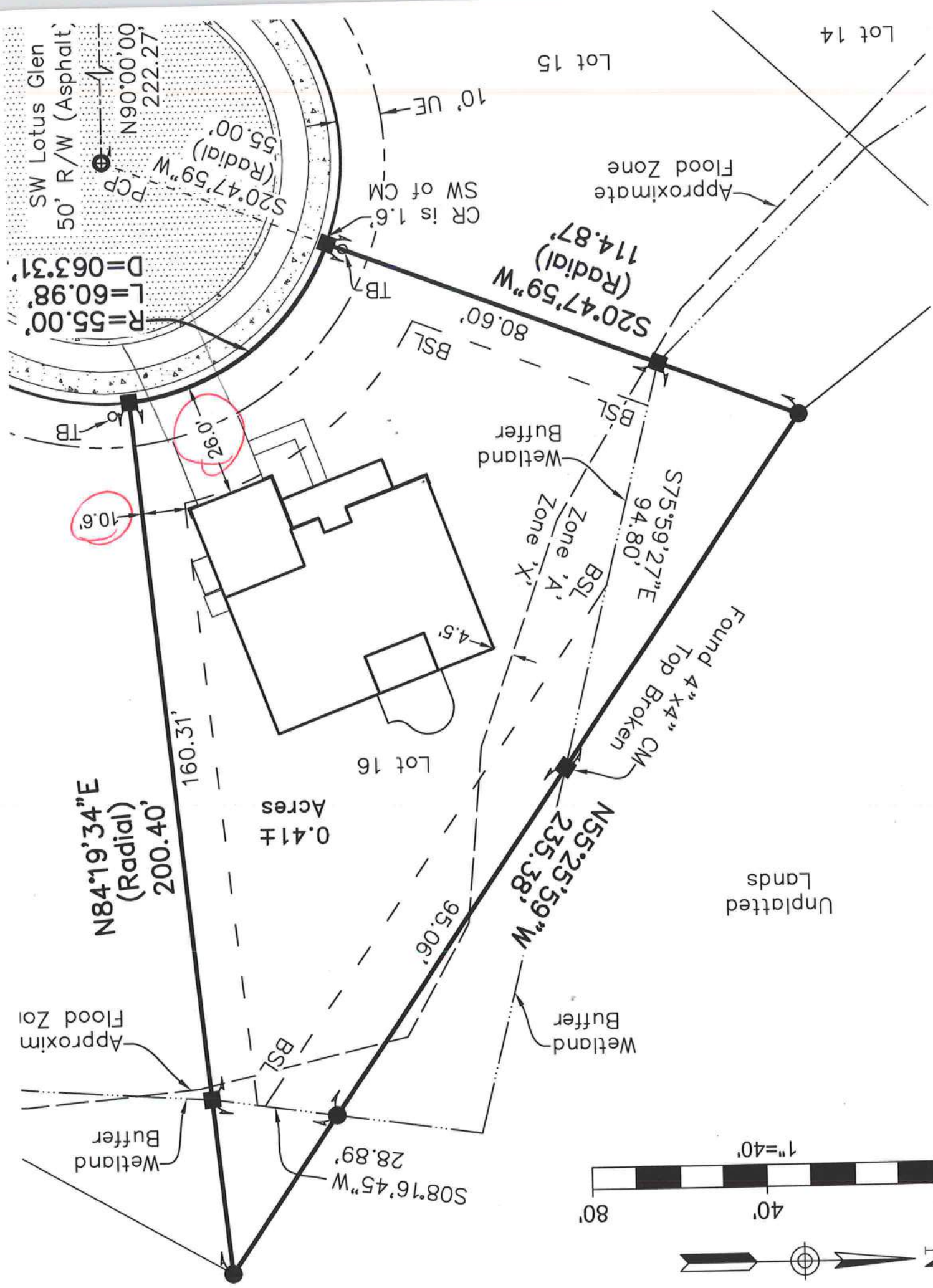
03-4S-16-02731-016

Remarks:

ADDRESS FOR PROPOSED STRUCTURE ON PARCEL LOT 16
PRESERVE AT LAUREL LAKE UNIT 1.

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.



5078

12/20/2012 12:00:08 Date: 5/9/2012 Time: 9:28 AM

USCP DeWitt Cason, Columbia County Page 1 of 1 B:1234 P:1209

This Instrument Prepared By:
Abstract Trust Title LLC
PO Box 2175
Lake City, Florida 32055

TO WHOM IT MAY CONCERN:

The undersigned hereby give notice that improvements will be made to certain real property and in accordance with Chapter 713, Florida Statutes, the following is provided in this Notice of Commencement:

1. Description of Property: Lot 16, PRESERVE AT LAUREL LAKE, Unit 1, a subdivision according to the plat thereof as recorded in Plat Book 9, Pages 18-25, of the public records of Columbia County, Florida.
2. General Description of Improvement: Construction of Dwelling
3. Owner Information:

- a. Name and Address: Glenn G. Cologua, 179 SE Valencia Court, Lake City, FL 32025
- b. Interest in property: Fee Simple
- c. Name and address of fee simple title holder (if other than Owner): NONE
4. Lender/Name and address: Bryon Zecher Homes Inc, PO Box 815, Lake City, FL 32056
5. Surety:
- a. Name and Address: N/A
- b. Amount of Bond: N/A

- a. LENDER: First Federal Bank of Florida
4705 West US Highway 90
PO Box 2029
Lake City, FL 32056
7. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)(b)7, Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER, of FIRST FEDERAL BANK OF FLORIDA at 4705 WEST US HIGHWAY 90 / PO BOX 2029, LAKE CITY, FL 32056, to receive a copy of the Lender's Notice as provided in Section 713.13(1)(b) Florida Statutes.

9. Expiration date of Notice of Commencement (the expiration date is 1 year from 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 1 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 NEED TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

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

Signed, sealed and delivered in the presence:

WITNESS: Glenn G. Cologua

WITNESS: Michael Harell

STATE OF FLORIDA
COUNTY OF COLUMBIA

Before me, personally appeared Glenn G. Cologua, to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 4th day of May 12, 2012.

NOTARY PUBLIC

My Commission Expires:

MICHAEL H. HARELL
Notary Public, State of Florida
My Comm. Expires April 8, 2013
Commission No. JD 88885

Verification Pursuant to Section 72.525, 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.

Glenn G. Cologua



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

DeWitt Cason
Deputy Clerk

Date: May 9, 2012

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1205-46 CONTRACTOR B. ZENON PHONE 752.4653

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	Mark Matthews	Signature	[Signature]	Phone #	386-344-8029
MECHANICAL/A/C	487	Print Name	Glen Jones A/C	Signature	[Signature]	Phone #	386-752-5389
PLUMBING/GAS		Print Name	Wesley Plumbing	Signature	[Signature]	Phone #	
ROOFING		Print Name	Mac Johnson Roofing	Signature	[Signature]	Phone #	
SHEET METAL		Print Name	N/A	Signature	[Signature]	Phone #	
FIRE SYSTEM/SPRINKLER		Print Name	N/A	Signature	[Signature]	Phone #	
SOLAR		Print Name	N/A	Signature	[Signature]	Phone #	

MASON		License Number	N/A	Sub-Contractors Printed Name	N/A	Sub-Contractors Signature	[Signature]
CONCRETE FINISHER							
FRAMING		001141	Doni Spadley	Will Sikes	N/A		[Signature]
INSULATION		000240			N/A		
STUCCO					N/A		
DRYWALL		000345	Wade Helthman		N/A		[Signature]
PLASTER					N/A		
CABINET INSTALLER	953	000330	Bobbi Touben		N/A		[Signature]
PAINTING					N/A		
ACOUSTICAL CEILING					N/A		
GLASS					N/A		
CERAMIC TILE	853	000545	Bryan Zehn		N/A		[Signature]
FLOOR COVERING					N/A		
ALUM/VINYL SIDING		0000166	Mike Nickels	DD Gray Door	N/A		[Signature]
GARAGE DOOR					N/A		
METAL BLDG ERECTOR					N/A		

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.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

1205-42

CONTRACTOR

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

PHONE

752.8653

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

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

ELECTRICAL	Print Name Marc Matthews	License # ER 0014352	Signature <i>Marc Matthews</i>	Phone # 386-344-2029
MECHANICAL/A/C	Print Name Glenn Jones A/C	License # WDB 2824	Signature <i>Glenn Jones</i>	Phone # 752 5389
PLUMBING/GAS 1081	Print Name Wolfe Plumbing	License # 2505121	Signature <i>Wolfe Plumbing</i>	Phone # 386-935-0616
ROOFING	Print Name MAT Solar-Roofing	License #	Signature <i>MAT Solar-Roofing</i>	Phone #
SHEET METAL	Print Name	License #	Signature	Phone #
FIRE SYSTEM/SPRINKLER	Print Name	License #	Signature	Phone #
SOLAR	Print Name	License #	Signature	Phone #

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	000287	Willie Dixon	<i>Willie Dixon</i>
CONCRETE FINISHER	000287	Willie Dixon	<i>Willie Dixon</i>
FRAMING	001141	Self-Nichols	<i>Self-Nichols</i>
INSULATION	000240	Will Sikes	<i>Will Sikes</i>
STUCCO			
DRYWALL	000345	Wade Herthman	<i>Wade Herthman</i>
PLASTER			
CABINET INSTALLER			
PAINTING	000330	Bob Taylor	<i>Bob Taylor</i>
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING	000166	Mike Nicholson	<i>Mike Nicholson</i>
GARAGE DOOR 99	0001258205	DVD Garage Door	<i>DVD Garage Door</i>
METAL BLDG ERECTOR			

F. 5. 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.

SUBCONTRACTOR VERIFICATION FORM
CONTRACTOR MAC JOHNSON PHONE 352-8653
THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County. Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name: <u>Mark Mathews</u> License #: <u>81-0014352</u> Signature: <u>[Signature]</u> Phone #: <u>344-2029</u>
MECHANICAL/A/C	Print Name: <u>Glen Jones</u> License #: <u>81-051486</u> Signature: <u>[Signature]</u> Phone #: <u>867-0424</u>
PLUMBING/GAS	Print Name: <u>Life Plumbing</u> License #: <u>81-051621</u> Signature: <u>[Signature]</u> Phone #: <u>623-7198</u>
ROOFING	Print Name: <u>Mac Johnson</u> License #: <u>81-0061384</u> Signature: <u>[Signature]</u> Phone #: <u>352-472-4943</u>
SHEET METAL	Print Name: <u>N/A</u> License #: <u>N/A</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
FIRE SYSTEM/SPRINKLER	Print Name: <u>N/A</u> License #: <u>N/A</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
SOLAR	Print Name: <u>N/A</u> License #: <u>N/A</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>

MASON	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
CONCRETE FINISHER	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
FRAMING	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
INSULATION	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
STUCCO	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
DRYWALL	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
PLASTER	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
CABINET INSTALLER	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
PAINTING	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
ACOUSTICAL CEILING	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
GLASS	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
CERAMIC TILE	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
FLOOR COVERING	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
ALUM/VINYL SIDING	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
GARAGE DOOR	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>
METAL BLDG ERECTOR	Print Name: <u>[Signature]</u> License #: <u>81-0510500</u> Signature: <u>[Signature]</u> Phone #: <u>[Signature]</u>

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.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1205-4L CONTRACTOR Bryan Zecher PHONE 752-8653

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

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

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

ELECTRICAL	Print Name <u>Marc Matthews</u>	License #: <u>ER-0014352</u>	Signature <u>[Signature]</u>	Phone #: <u>344-2029</u>
MECHANICAL/A/C	Print Name <u>Louis Weeks/Clean</u>	License #: <u>CAC 05-1186</u>	Signature <u>[Signature]</u>	Phone #: <u>752-5589</u>
PLUMBING/GAS	Print Name <u>Buck Boyette</u>	License #: <u>CAC 21542</u>	Signature <u>[Signature]</u>	Phone #: <u>351-152-0126</u>
ROOFING	Print Name <u>Mac Johnson</u>	License #: <u>RC0061384</u>	Signature <u>[Signature]</u>	Phone #: <u>352-472-4943</u>
SHEET METAL	Print Name <u>N/A</u>	License #: <u>N/A</u>	Signature <u>[Signature]</u>	Phone #: <u>[Signature]</u>
FIRE SYSTEM/SPRINKLER	Print Name <u>N/A</u>	License #: <u>N/A</u>	Signature <u>[Signature]</u>	Phone #: <u>[Signature]</u>
SOLAR	Print Name <u>N/A</u>	License #: <u>N/A</u>	Signature <u>[Signature]</u>	Phone #: <u>[Signature]</u>

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	000097	Kenneth Lunden	[Signature]
CONCRETE FINISHER	00063	Darrell Spradley	[Signature]
FRAMING	CBC054575	Bryan Zecher	[Signature]
INSULATION	00240	Will Sykes	[Signature]
STUCCO		N/A	
DRYWALL	00066	Joe Mauer	[Signature]
PLASTER		N/A	
CABINET INSTALLER	CBC054575	Bryan Zecher	[Signature]
PAINTING	000330	Bobby Touchton	[Signature]
ACOUSTICAL CEILING		N/A	
GLASS		N/A	
CERAMIC TILE	000188	Don Humphrey	[Signature]
FLOOR COVERING	000160	Mark Vercel	[Signature]
ALUM/VINYL SIDING	000160	Mike Nicholson	[Signature]
GARAGE DOOR	542138196	Richard Horne	[Signature]
METAL BLDG ERECTOR			

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

This Instrument Prepared By:
Abstract Trust Title, LLC
PO Box 7175
Lake City, FL 32055
ATTN# 4-5078

In 201212007064 Date: 5/9/2012 Time: 9:15 AM
DC, P DeWitt Cason, Columbia County Page 1 of 1 B: 1234 P: 1170
Stamp-Deed: 140.00

GENERAL WARRANTY DEED
Limited Liability Company to Individual

THIS WARRANTY DEED made this 1st day of May, 2012, by Lake City Holdings, LLC, a Florida Limited Liability Company, hereinafter called the grantor, to Glenn G. Cologna whose post office address is: 179 SE Valerie Court, Lake City, FL 32025 hereinafter called the grantee:

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

WITNESSETH that the Grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, assigns, remises, releases, conveys, and confirms unto the Grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID# R02731-016

LOT 16, PRESERVE AT LAUREL LAKE, UNIT 1, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 9, PAGES 18-25, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

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

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

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2011.

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

Signed, sealed and delivered in our presence:

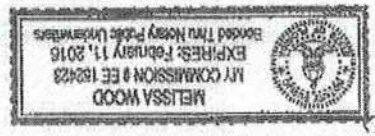
Rhonda E Jones
WITNESS
PRINTED NAME
Rhonda E Jones

Glenn G Cologna
WITNESS
PRINTED NAME
Glenn G Cologna

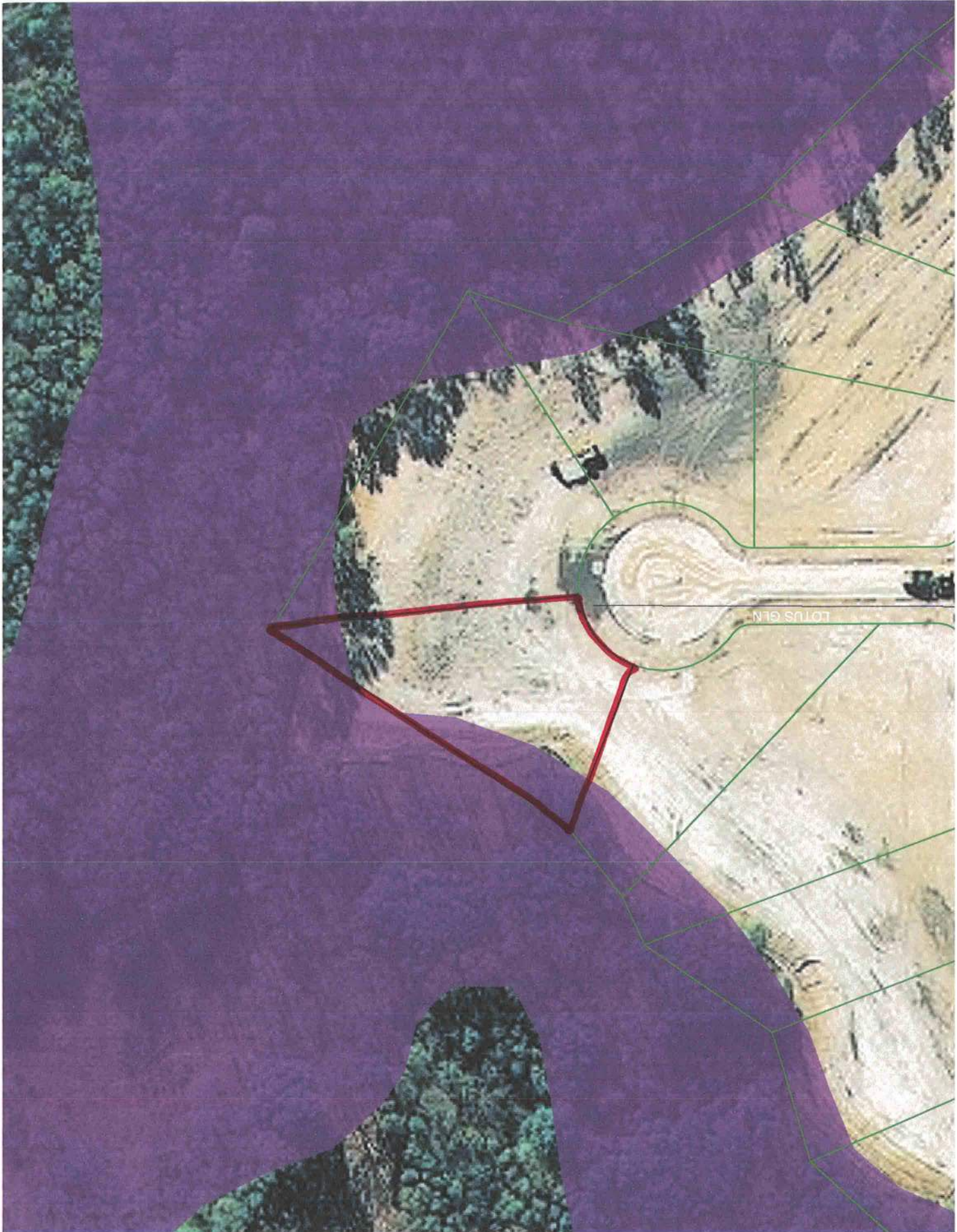
STATE OF Florida
COUNTY OF Duval

The foregoing instrument was acknowledged before me this 1st day of May, 2012 by Robert L. Fleckenstein as Managing Member of Lake City Holdings, LLC personally known to me or, if not personally known to me, who produced for identification and who did not take an oath.

NOTARY PUBLIC
My Commission Expires: 2-11-2016



1205-46





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

SIGNED: [Signature] DATE: 6-12-12

COMMENTS: _____

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE
CULVERT WAIVER IS: X APPROVED NOT APPROVED - NEEDS A CULVERT PERMIT

PUBLIC WORKS DEPARTMENT USE ONLY

PARCEL ID # 03-4S-16-02731-016
I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA
COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.
SIGNATURE: [Signature]
A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC
Amount Paid 50.00

DATE: 06/04/2012 BUILDING PERMIT NO. 30204
APPLICANT BRYAN ZECHER PHONE 752-8653
ADDRESS PO BOX 815 LAKE CITY FL 32056
OWNER GLEN COUNGA PHONE 965-3698
ADDRESS 147 SW LOTUS GLEN LAKE CITY FL 32024
CONTRACTOR BRYAN ZECHER PHONE 752-8653
LOCATION OF PROPERTY 90 W, L 252-B, R INTO PRESERVE, L BELLFLOWER, L LOTUS GLEN,
BACK OF CUL-DE-SAC ON THE LEFT
SUBDIVISION/LOT/BLOCK/PHASE/UNIT/PRESERVE @ LAKE LKES 16 1

Columbia County Building Department
Culvert Waiver
Culvert Waiver No. 000001948

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: IUMB487-Z0222100826



Truss Fabricator: Anderson Truss Company
 Job Identification: 12-099--BRYAN ZECHE
 Truss Count: 42
 Model Code: Florida Building Code
 Truss Criteria: FBC2010Res/TPI-2007(STD)
 Engineering Software: Alpine Software, Version 10.03.
 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

Minimum Design Loads:
 Roof - 37.0 PSF @ 1.25 Duration
 Floor - N/A
 Wind - 120 MPH ASCE 7-10 - 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

1950 Marley Drive
 Haines City, FL 33844

Walter P. Finn
 -Truss Design Engineer-

Details: BRCLBSUB-12015EC1-GBLLTIN-GABRS110-

#	Ref	Description	Drawing#	Date
1	13029-A3	42" Stepdow	12143005	05/22/12
2	13030-A4	42" Stepdow	12143006	05/22/12
3	13031-A5	35" Stepdow	12143007	05/22/12
4	13032-A6	35" Stepdow	12143008	05/22/12
5	13033-A7	35" Stepdow	12143009	05/22/12
6	13034-A8	33" Stepdow	12143010	05/22/12
7	13035-A9	33" Stepdow	12143011	05/22/12
8	13036-A10	35" Stepdow	12143012	05/22/12
9	13037-A11	42" Stepdow	12143013	05/22/12
10	13038-A12	42" Stepdow	12143014	05/22/12
11	13039-A13	33" Stepdow	12143015	05/22/12
12	13040-A14	33" Stepdow	12143016	05/22/12
13	13041-A15	33" Stepdow	12143017	05/22/12
14	13042-A16	33" Stepdow	12143018	05/22/12
15	13043-A17	33" Stepdow	12143019	05/22/12
16	13044-A18	33" Stepdow	12143020	05/22/12
17	13045-A19	33" Stepdow	12143026	05/22/12
18	13046-B1	25" Stepdow	12143036	05/22/12
19	13047-B2	25" Stepdow	12143035	05/22/12
20	13048-C1	20" Stepdow	12143028	05/22/12
21	13049-C2	20" Stepdow	12143027	05/22/12
22	13050-C3	20" Stepdow	12143029	05/22/12
23	13051-CJ1	1" Stepdow	12143023	05/22/12
24	13052-CJ2	3" Stepdow	12143024	05/22/12
25	13053-CJ3	5" Stepdow	12143025	05/22/12
26	13054-CJ4	7" Stepdow	12143040	05/22/12
27	13055-CJ5	7" Stepdow	12143039	05/22/12
28	13056-CJ6	3" Stepdow	12143044	05/22/12
29	13057-CJ7	5" Stepdow	12143043	05/22/12
30	13058-CJ8	7" Stepdow	12143042	05/22/12
31	13059-E1	7" Stepdow	12143034	05/22/12
32	13060-E2	7" Stepdow	12143032	05/22/12
33	13061-EJ1	7" Stepdow	12143021	05/22/12
34	13062-EJ4	5" Stepdow	12143030	05/22/12
35	13063-F1	15" Stepdow	12143033	05/22/12
36	13064-F2	15" Stepdow	12143031	05/22/12

#	Ref	Description	Drawing#	Date
37	13065-HJ1	9" Stepdow	12143022	05/22/12
38	13066-HJ2	12" Stepdow	12143038	05/22/12
39	13067-HJ3	12" Stepdow	12143045	05/22/12
40	13068-A1	42" Stepdow	12143046	05/22/12
41	13069-EJ2	9" Stepdow	12143037	05/22/12
42	13070-EJ3	9" Stepdow	12143041	05/22/12



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
 Page 1 of 1 Document ID: IUMB487-Z0222100826



-Truss Design Engineer-
 Walter P. Finn

1950 Marley Drive
 Haines City, FL 33844

1. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
2. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Revised Trusses

#	Ref	Description	Drawing#	Date
1	13031-A5	35'4" Stepdow	12143007	05/22/12
2	13032-A6	35'4" Stepdow	12143008	05/22/12
3	13033-A7	35'4" Stepdow	12143009	05/22/12
4	13034-A8	33'4" Stepdow	12143010	05/22/12
5	13035-A9	33'4" Special	12143011	05/22/12
6	13036-A10	35'4" Special	12143012	05/22/12

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

Minimum Design Loads:
 Roof - 37.0 PSF @ 1.25 Duration
 Floor - N/A
 Wind - 120 MPH ASCE 7-10 - Closed

Truss Fabricator: Anderson Truss Company
 Job Identification: 12-099--BRYAN ZECHE Colunga-Knight Residence -- Lake Cit
 Truss Count: 6
 Florida Building Code
 Truss Criteria: FBC2010Res/TPI-2007(STD)
 Engineering Software: Alpine Software, Version 10.03.
 Structural Engineer of Record:
 Address:
 Minimum Design Loads:

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MUMRS with additional C&C member design.

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.



Scale = .1875"/ft.

REF R487-- 13030

ALPINE

Haines City, FL 33844

FL COA #0 278



TC LL	20.0 PSF	REF	R487 - 13030
TC DL	7.0 PSF	DATE	05/22/12
BC DL	10.0 PSF	DRW	HCUSR487 12143006
BC LL	0.0 PSF	HC-ENG	TCE/WPF
TOT.LD.	37.0 PSF	SEQN-	4399
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UMB487_Z02

TOP chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

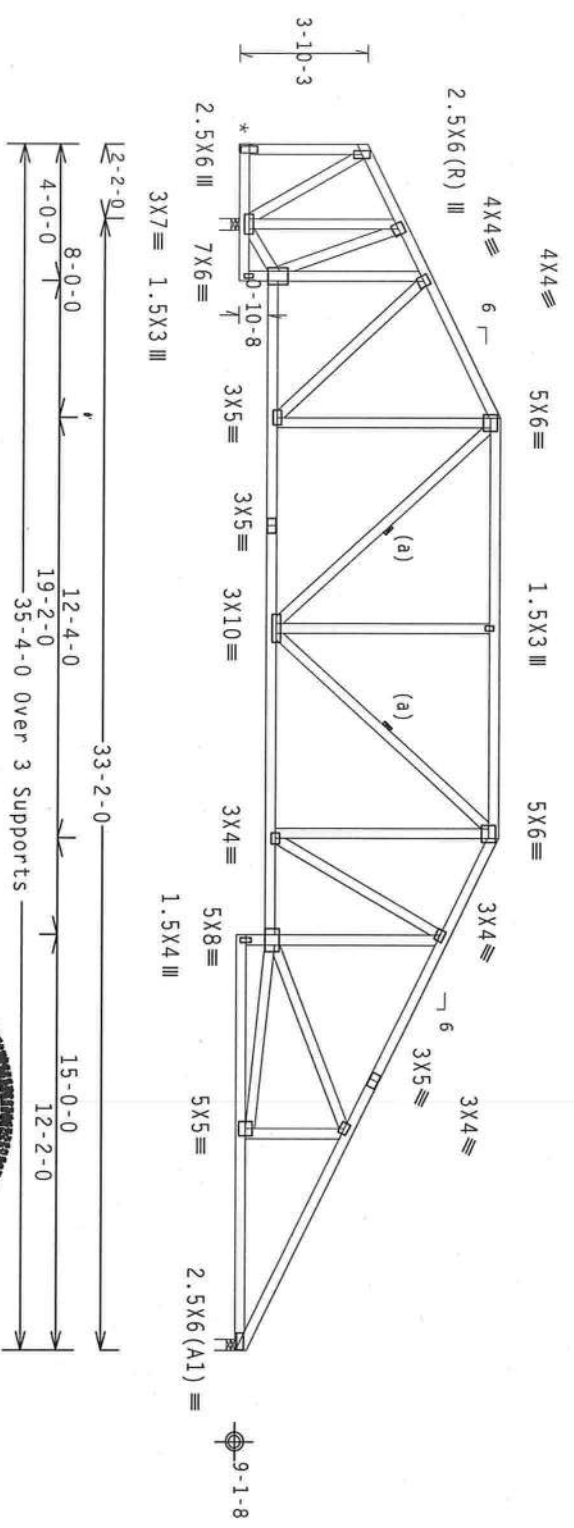
Left end vertical not exposed to wind pressure.
(J) hanger connection not found in inventory file for this condition.
Provide connection.

(a) Continuous lateral bracing equally spaced on member.

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

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

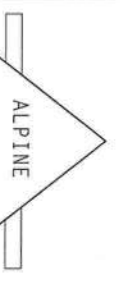
* Negative reaction(s) of -945# MAX. (See below) from a non-wind load case requires uplift connection.
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=-945 RW=115 U=47A
RL=111/-146 R=2405 U=364 W=4*
H=H1

R=1184 U=191 W=4*

PLT TYP. Wave
Design Crit: FBC2010Res/TPI-2007/STP
FT/RT=20%(0%)/10(0)



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.

IMPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) practices prior to performing these functions. Installer shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBC) shall not be responsible for any deviation from 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 Job. Do not alter or modify the design. The design is based on the information provided in the drawing or cover page listing this drawing. Indicates acceptance and use of this design for any structure. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW BCSI: www.bcsi.com; TPI: www.tpiinst.org; WTC: www.sbcindustry.com; ICC: www.iccsafe.org



FL/-/4/-/R/-	Scale = .1875"/ft.
TC LL 20.0 PSF	REF R487-- 13031
TC DL 7.0 PSF	DATE 05/22/12
BC DL 10.0 PSF	DRW HCUSR487 12143007
BC LL 0.0 PSF	HC-ENG TCE/WPF
TOT.LD. 37.0 PSF	SEON- 4914 REV
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UMB487_202

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

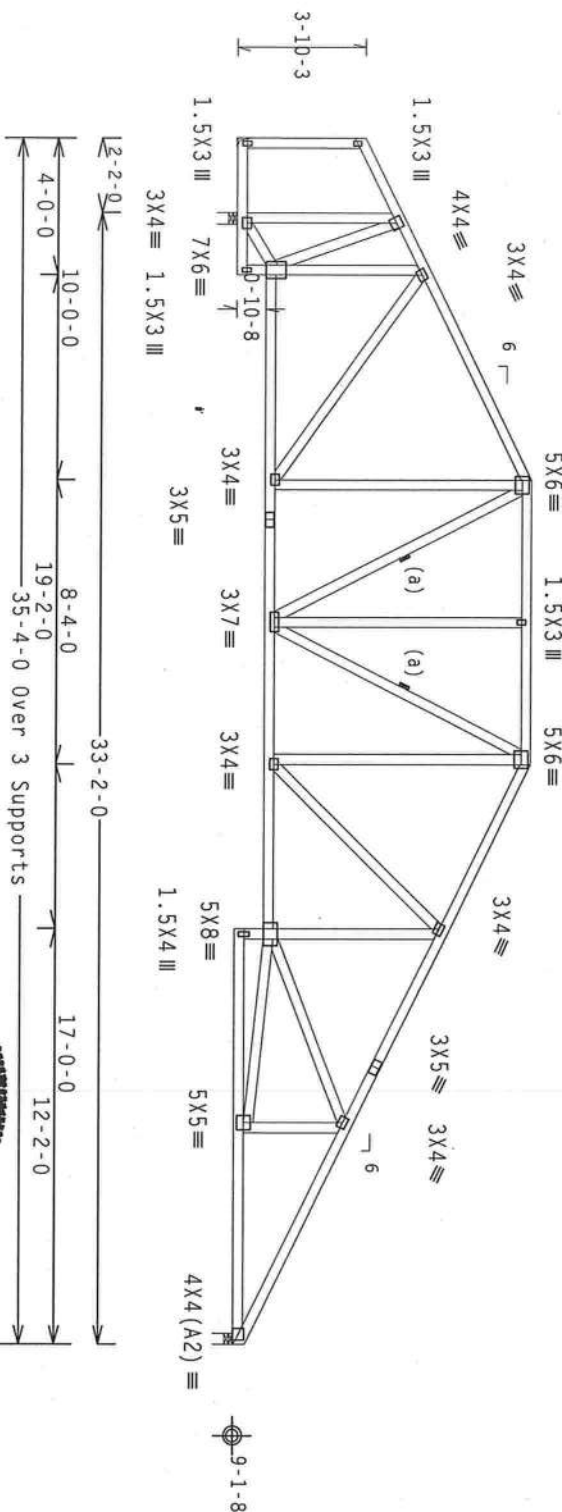
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL-3.5 psf, wind BC DL-5.0 psf, GCPI (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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

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



R=57 U=11
RL=134/-169 R=1396 U=51 W=4"
H=H1

R=1244 U=70 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (ST
FT/RT=20%(0%)/10(0)

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. Follow the latest edition of BC21 (Building Component Safety Information, by TPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bot shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BC21 sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or bracing. The truss shall be shown above and on the side of the building. Refer to drawings 100A-2, 100B-2, 100C-2, 100D-2, 100E-2, 100F-2, 100G-2, 100H-2, 100I-2, 100J-2, 100K-2, 100L-2, 100M-2, 100N-2, 100O-2, 100P-2, 100Q-2, 100R-2, 100S-2, 100T-2, 100U-2, 100V-2, 100W-2, 100X-2, 100Y-2, 100Z-2, 100AA-2, 100AB-2, 100AC-2, 100AD-2, 100AE-2, 100AF-2, 100AG-2, 100AH-2, 100AI-2, 100AJ-2, 100AK-2, 100AL-2, 100AM-2, 100AN-2, 100AO-2, 100AP-2, 100AQ-2, 100AR-2, 100AS-2, 100AT-2, 100AU-2, 100AV-2, 100AW-2, 100AX-2, 100AY-2, 100AZ-2, 100BA-2, 100BB-2, 100BC-2, 100BD-2, 100BE-2, 100BF-2, 100BG-2, 100BH-2, 100BI-2, 100BJ-2, 100BK-2, 100BL-2, 100BM-2, 100BN-2, 100BO-2, 100BP-2, 100BQ-2, 100BR-2, 100BS-2, 100BT-2, 100BU-2, 100BV-2, 100BW-2, 100BX-2, 100BY-2, 100BZ-2, 100CA-2, 100CB-2, 100CC-2, 100CD-2, 100CE-2, 100CF-2, 100CG-2, 100CH-2, 100CI-2, 100CJ-2, 100CK-2, 100CL-2, 100CM-2, 100CN-2, 100CO-2, 100CP-2, 100CQ-2, 100CR-2, 100CS-2, 100CT-2, 100CU-2, 100CV-2, 100CW-2, 100CX-2, 100CY-2, 100CZ-2, 100DA-2, 100DB-2, 100DC-2, 100DD-2, 100DE-2, 100DF-2, 100DG-2, 100DH-2, 100DI-2, 100DJ-2, 100DK-2, 100DL-2, 100DM-2, 100DN-2, 100DO-2, 100DP-2, 100DQ-2, 100DR-2, 100DS-2, 100DT-2, 100DU-2, 100DV-2, 100DW-2, 100DX-2, 100DY-2, 100DZ-2, 100EA-2, 100EB-2, 100EC-2, 100ED-2, 100EE-2, 100EF-2, 100EG-2, 100EH-2, 100EI-2, 100EJ-2, 100EK-2, 100EL-2, 100EM-2, 100EN-2, 100EO-2, 100EP-2, 100EQ-2, 100ER-2, 100ES-2, 100ET-2, 100EU-2, 100EV-2, 100EW-2, 100EX-2, 100EY-2, 100EZ-2, 100FA-2, 100FB-2, 100FC-2, 100FD-2, 100FE-2, 100FF-2, 100FG-2, 100FH-2, 100FI-2, 100FJ-2, 100FK-2, 100FL-2, 100FM-2, 100FN-2, 100FO-2, 100FP-2, 100FQ-2, 100FR-2, 100FS-2, 100FT-2, 100FU-2, 100FV-2, 100FW-2, 100FX-2, 100FY-2, 100FZ-2, 100GA-2, 100GB-2, 100GC-2, 100GD-2, 100GE-2, 100GF-2, 100GG-2, 100GH-2, 100GI-2, 100GJ-2, 100GK-2, 100GL-2, 100GM-2, 100GN-2, 100GO-2, 100GP-2, 100GQ-2, 100GR-2, 100GS-2, 100GT-2, 100GU-2, 100GV-2, 100GW-2, 100GX-2, 100GY-2, 100GZ-2, 100HA-2, 100HB-2, 100HC-2, 100HD-2, 100HE-2, 100HF-2, 100HG-2, 100HH-2, 100HI-2, 100HJ-2, 100HK-2, 100HL-2, 100HM-2, 100HN-2, 100HO-2, 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100QD-2, 100QE-2, 100QF-2, 100QG-2, 100QH-2, 100QI-2, 100QJ-2, 100QK-2, 100QL-2, 100QM-2, 100QN-2, 100QO-2, 100QP-2, 100QQ-2, 100QR-2, 100QS-2, 100QT-2, 100QU-2, 100QV-2, 100QW-2, 100QX-2, 100QY-2, 100QZ-2, 100RA-2, 100RB-2, 100RC-2, 100RD-2, 100RE-2, 100RF-2, 100RG-2, 100RH-2, 100RI-2, 100RJ-2, 100RK-2, 100RL-2, 100RM-2, 100RN-2, 100RO-2, 100RP-2, 100RQ-2, 100RR-2, 100RS-2, 100RT-2, 100RU-2, 100RV-2, 100RW-2, 100RX-2, 100RY-2, 100RZ-2, 100SA-2, 100SB-2, 100SC-2, 100SD-2, 100SE-2, 100SF-2, 100SG-2, 100SH-2, 100SI-2, 100SJ-2, 100SK-2, 100SL-2, 100SM-2, 100SN-2, 100SO-2, 100SP-2, 100SQ-2, 100SR-2, 100SS-2, 100ST-2, 100SU-2, 100SV-2, 100SW-2, 100SX-2, 100SY-2, 100SZ-2, 100TA-2, 100TB-2, 100TC-2, 100TD-2, 100TE-2, 100TF-2, 100TG-2, 100TH-2, 100TI-2, 100TJ-2, 100TK-2, 100TL-2, 100TM-2, 100TN-2, 100TO-2, 100TP-2, 100TQ-2, 100TR-2, 100TS-2, 100TT-2, 100TU-2, 100TV-2, 100TW-2, 100TX-2, 100TY-2, 100TZ-2, 100UA-2, 100UB-2, 100UC-2, 100UD-2, 100UE-2, 100UF-2, 100UG-2, 100UH-2, 100UI-2, 100UJ-2, 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100YR-2, 100YS-2, 100YT-2, 100YU-2, 100YV-2, 100YW-2, 100YX-2, 100YY-2, 100YZ-2, 100ZA-2, 100ZB-2, 100ZC-2, 100ZD-2, 100ZE-2, 100ZF-2, 100ZG-2, 100ZH-2, 100ZI-2, 100ZJ-2, 100ZK-2, 100ZL-2, 100ZM-2, 100ZN-2, 100ZO-2, 100ZP-2, 100ZQ-2, 100ZR-2, 100ZS-2, 100ZT-2, 100ZU-2, 100ZV-2, 100ZW-2, 100ZX-2, 100ZY-2, 100ZZ-2

ALPINE

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



TC LL	20.0 PSF	REF R487-- 13032
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUR487 12143008
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT.LD.	37.0 PSF	SEQN- 4586 REV
DUR.FAC.	1.25	
SPACING	24.0"	UREF- IUMB487_202

Scale = .1875"/Ft.

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

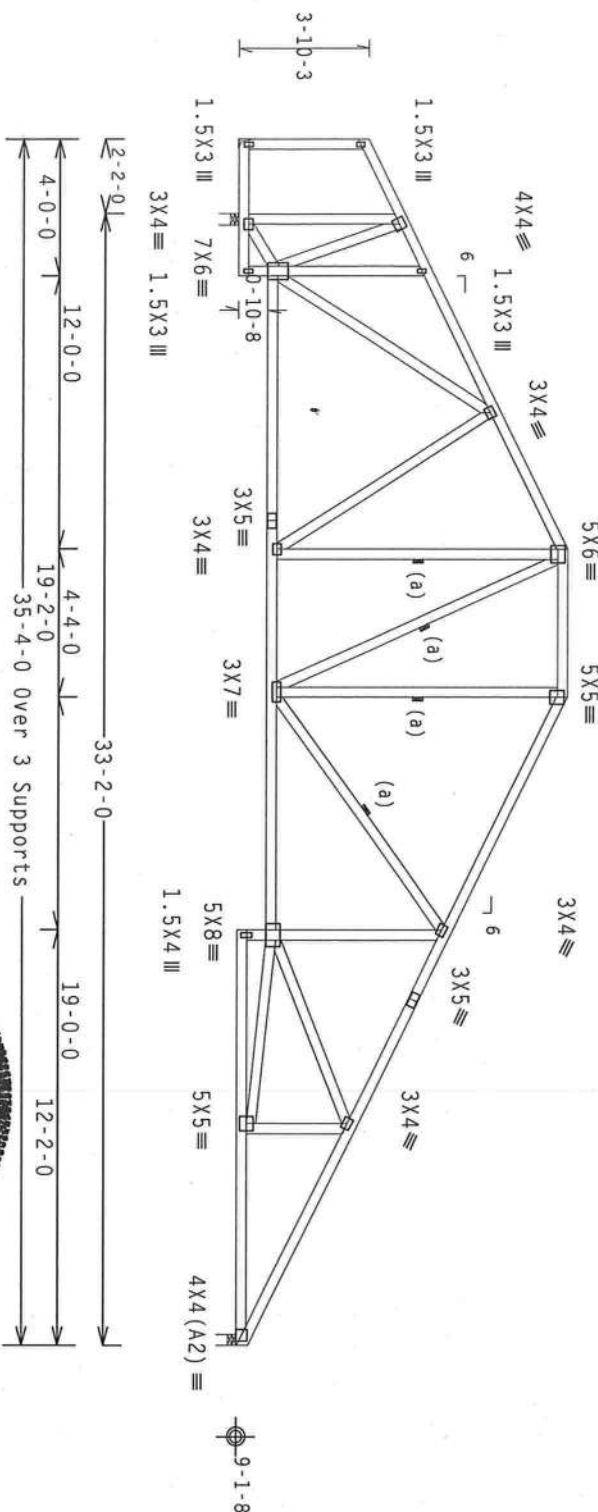
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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=57 U=8
RL=156/-191 R=1398 U=27 W=4"

R=1244 U=53 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (ST
FT/RT=20%(0%)/10(0)

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. Follow the latest edition of BCSI (Building Component Safety Information) and WCTCA (Wood Construction Technology Council) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and nailing 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.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from 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 bottom chord. The truss shall be installed in accordance with the manufacturer's instructions. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCTCA: www.bctindustry.com; ICC: www.iccsafe.org

ALPINE

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



05/22/2012

TC LL	20.0 PSF	REF R487-- 13033
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUR487 12143009
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT.LD.	37.0 PSF	SEQN- 4918 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UMB487_202

Top Chord 2x4 Sp #1
Bot Chord 2x4 Sp #1
Webs 2x4 Sp #3

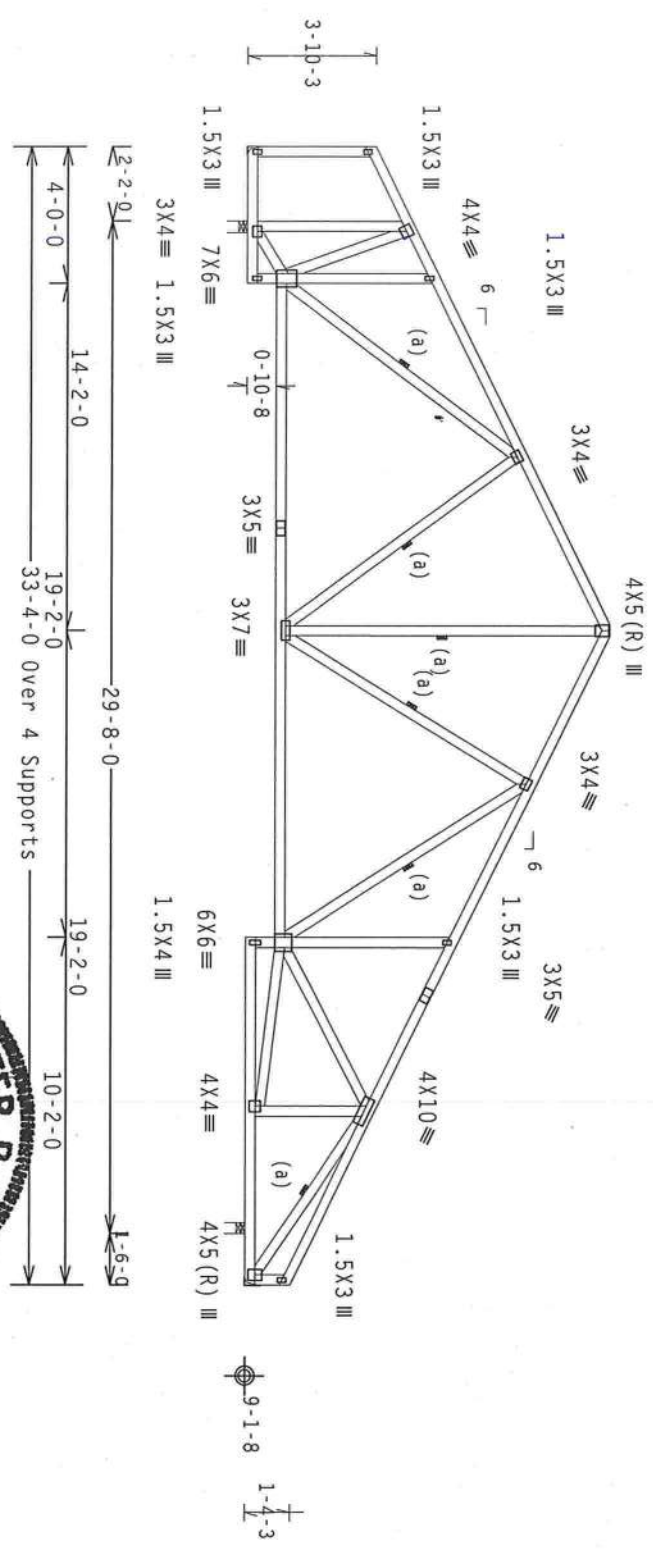
Left end vertical not exposed to wind pressure.

(J) hanger connection not found in inventory file for this condition.
Provide connection.

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

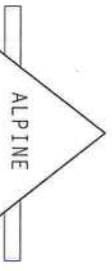
MMFRS loads based on trusses located at least 7.61 ft. from roof edge.

120 mph wind, 15.22 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCFI(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
(a) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=62 U=11
RL=170/-197
H=H1
R=1310 U=212 W=4"

PLT TYP. Wave
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)



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.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) for safety 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 shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint. 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; WTA: www.sbcindustry.com; ICC: www.iccsafe.org



FL/-/4/-/1-/R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	37.0 PSF
DUR. FAC.	1.25
SPACING	24.0"

REF	DATE	REV
R487--	05/22/12	13034
DRW	HCUR487	12143010
HC-ENG	TCE/WPF	
SEON-	4920	REV

Top Chord 2x4 Sp #1
Bot Chord 2x4 Sp #1
Webs 2x4 Sp #3

Left end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

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

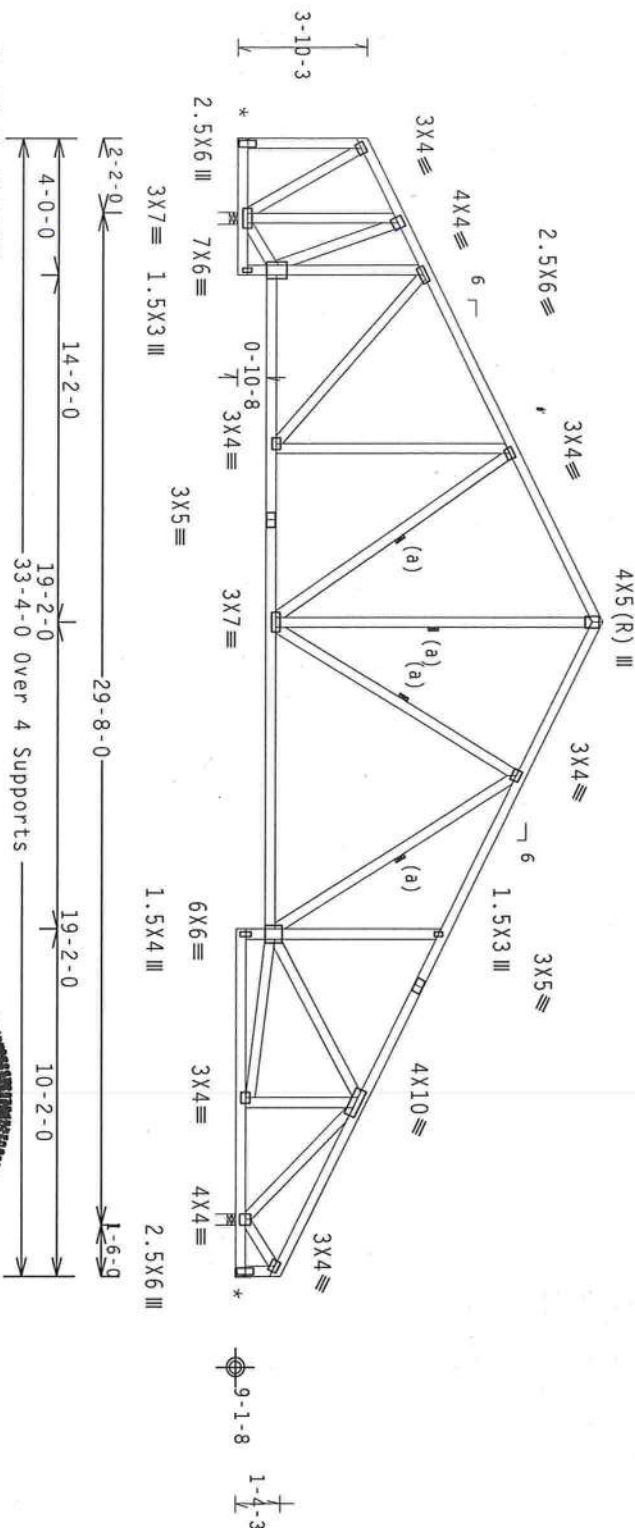
* Negative reaction(s) of -574# MAX. (See below) from a non-wind load case requires uplift connection.

120 mph wind, 15.26 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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

MMFRS loads based on trusses located at least 15.26 ft. from roof edge.



R=-574 R_w=52 U=330
R_L=172/-198 R=1986 U=45 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (ST
FT/RT=20%(0%)/10(0)

10-03-11 020839
No. 22839

07-12-2012 FL/-/4/-/R/-

Scale = .1875"/Ft.

ALPINE

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.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of RCSI (Building Component Safety Information, by TPI and WTC) practices prior to performing these functions. Installers shall provide temporary bracing 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 bracing shall have bracing installed per RCSI sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from 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 drawing or cover page listing this drawing. Indicates acceptance of professional engineering seal and responsibility solely for the design shown. The suitability and use of this design for any structure the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTC: www.stcindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF R487-- 13035
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUSR487 12143011
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT.LD.	37.0 PSF	SEQN- 4923 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- IUMB487_202

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

Left end vertical not exposed to wind pressure

(a) Continuous lateral bracing equally spaced on member.

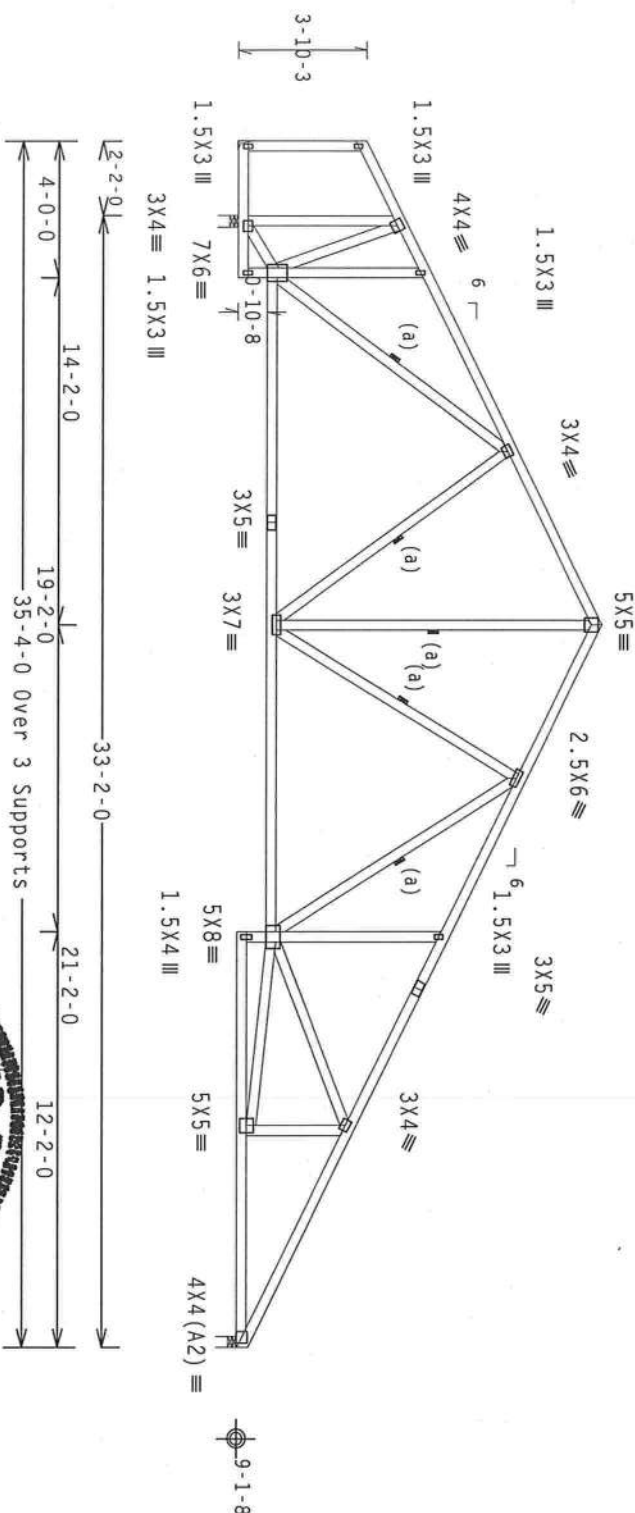
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. Gcpl (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load

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



R=56 U=8
RL=181/-216
R=1400 U=25 W=4'

R=1244 U=29 W=4

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD
FT/RT=20%(0%)/10(0)

10:03. No. 22839

QTY

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

Scale = .1875"/Ft.

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

Trusses require pre-stress care in fabricating, handling, shipping, installing and bracing. Researcher and author of the new edition of *Trusses*, R. W. Whitely, says, "The new edition follows the latest edition of BCSP (Building Component Safety Information, by TPI and WFA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraints shall have bracing installed per BCSP sections 9.17 or 810, as applicable."

ALPINE

ITW Building Components Group Inc

Haines City, FL 33844
FL COA #0 278

The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: General notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WGA: www.sbcindustry.com; ICC: www.iccsafe.org

05/22/2012

TC LL	20.0 PSF	REF R487-- 13036
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUR487 12143012
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT.LD.	37.0 PSF	SEGN- 4926 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UMB487_202

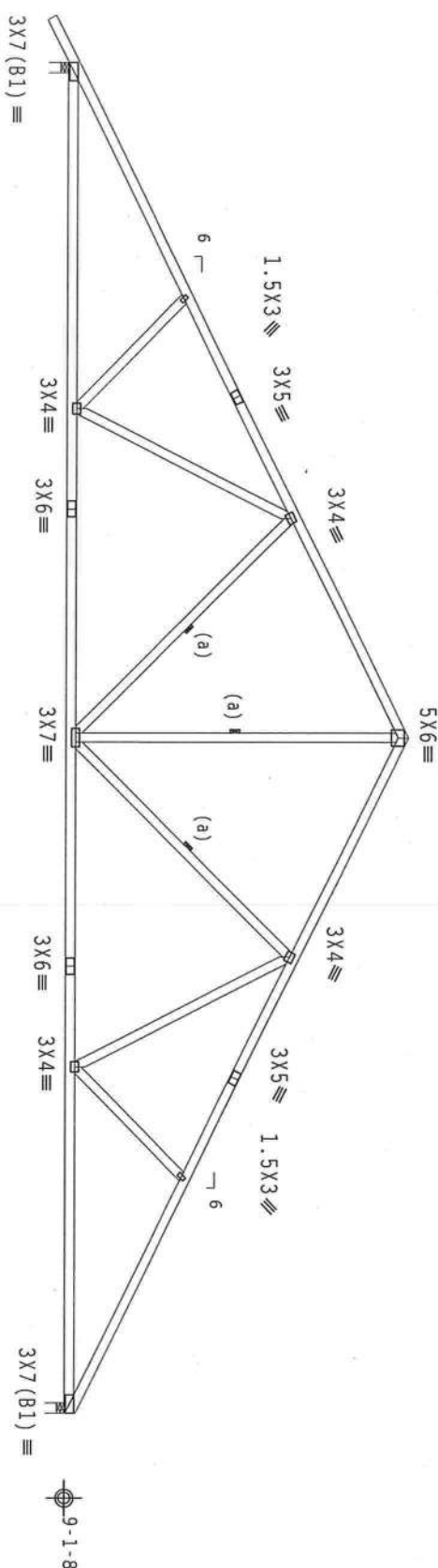
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10; CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, Exp C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, Gcpi(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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

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



R=1599 U=29 W=4

Design Crit: FBC2010Res/TPI-2007(STD

FT/RT=20%(0%)/10(0)

10:03. No. 22839 QTY

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

Scale = .1875"/Ft.

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

Trusses require extreme care in fabricating, hoisting, shipping, installing and bracing. The following are the minimum requirements for the design and erection of BCSI trusses. Follow the latest edition of BCSI Building Component Safety Information, by TPI and WTA for safety 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 deck. Locations shown for permanent lateral restraints shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.

ALPINE

ITW Building Components Group Inc

Haines City, FL 33844
FL COA #0278

the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: general notes page. ITW-BCa: www.itwbcg.com; TPI: www.tpiinc.org; ITCA: www.itcdate.org; ITCA: www.itcdate.org

05/22/2012

TC LL	20.0 PSF	REF	R487 - 13037
TC DL	7.0 PSF	DATE	05/22/12
BC DL	10.0 PSF	DRW	HCUSR487 12143013
BC LL	0.0 PSF	HC-ENG	TCE/WDF
TOT.LD.	37.0 PSF	SEQN -	4413
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	IUMB487_202

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

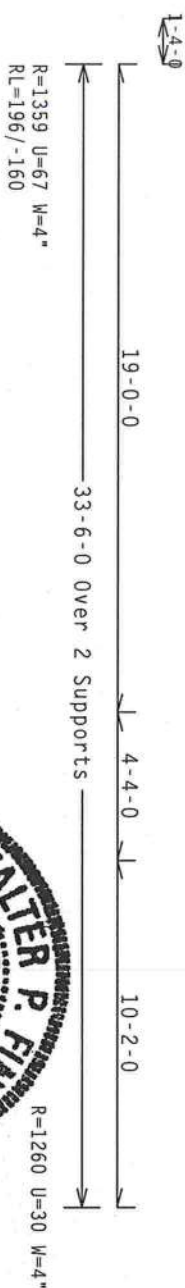
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member

9
8
7
6
5
4
3
2
1

100

Factor for dead load is 1.50.



Scale = .1875"/Ft.

REF R487-- 13039

ALPINE

JREF - 1UMB487_Z02

Top Chord 2x4 SP #1
Bot Chord 2x4 SP #1
Webs 2x4 SP #3

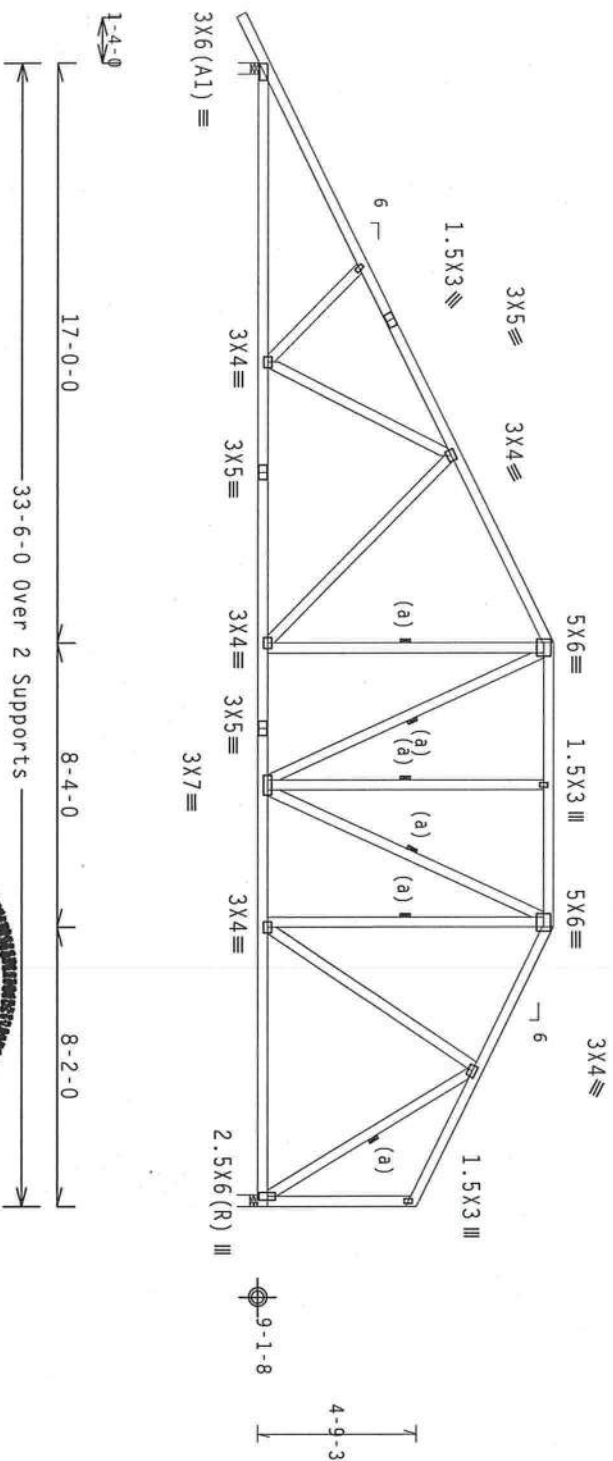
Roof overhang supports 2.00 psf soffit load.

(a) Continuous lateral bracing equally spaced on member.

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

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, Wind BC DL=5.0 psf, GCPI(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=1359 U=88 W=4"
RL=174/-137

R=1259 U=61 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(Std)
FT/RT=20%(0%)/10(0)

10-03 No. 022839

QTY

FL/-/4/-/R/-

Scale = .1875"/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. Follow the latest edition of BCSP (Building Component Safety Information, by TPI and WTC) practices prior to performing these functions. Installers shall provide temporary bracing and bracing 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 BCSP section 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of trusses. Apply plates to each face of truss and position as shown above and on the job. ITWBCG shall not be responsible for the design of the building. 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; WTC: www.structure.com; ICC: www.iccsafe.org

ALPINE

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



TC LL	20.0 PSF	REF	R487--13040
TC DL	7.0 PSF	DATE	05/22/12
BC DL	10.0 PSF	DRW	HGUSR487 12143016
BC LL	0.0 PSF	HC-ENG	TCE/WPF
TOT.LD.	37.0 PSF	SEQN-	4419
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	IUMB487_202

Top Chord 2x4 Sp #1
Bot Chord 2x4 Sp #1
Webs 2x4 Sp #3

Roof overhang supports 2.00 psf soffit load.

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

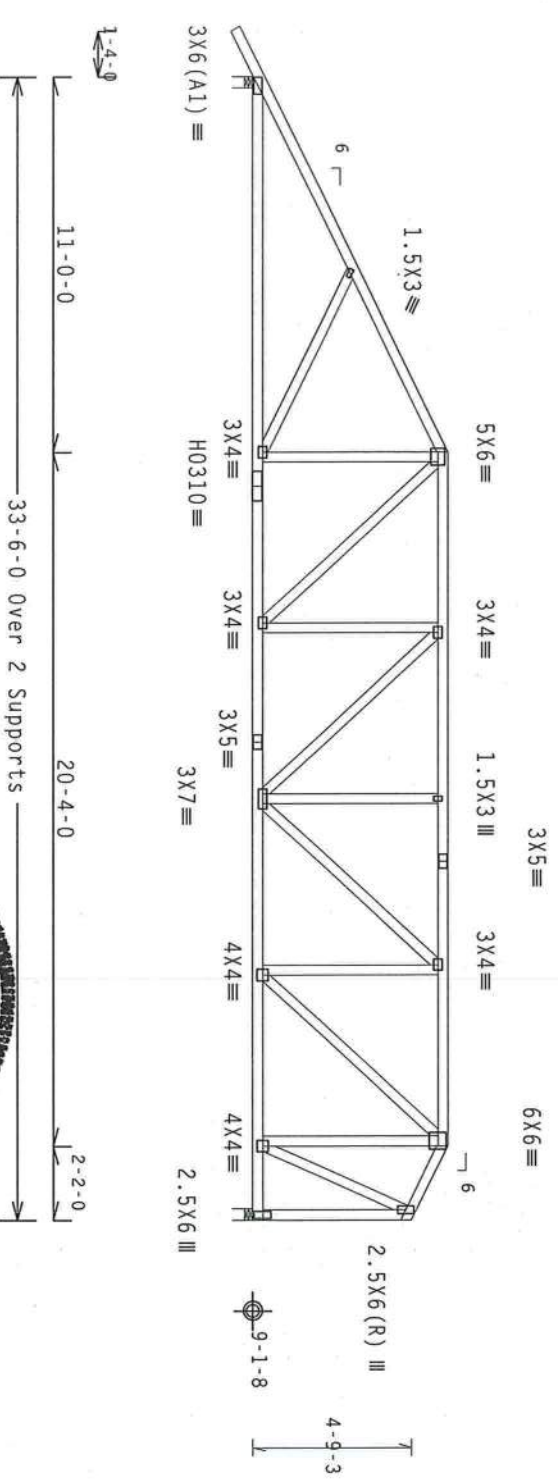
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCFI(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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



R=1359 U=230 W=4"
RL=126/-70

R=1259 U=221 W=4"

PLT TYP. 20 Gauge HS.Wave

Design Crit: FBC2010Res/TP1-2007(STB

FT/RT=20%(0%)/10(0)

10.03.2012

Scale = .1875"/ft.



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.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) 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 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 any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or bracing. The user of this design shall be responsible for any deviation from the design. Details, unless noted otherwise, shall be in accordance with the latest edition of the BCSI 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.tpi.net; WICA: www.structure.com; ICC: www.iccsafe.org



FL/-/4/-/-/R/-		Scale = .1875"/ft.	
TC LL	20.0 PSF	REF	R487- 13043
TC DL	7.0 PSF	DATE	05/22/12
BC DL	10.0 PSF	DRW	HCSR487 12143019
BC LL	0.0 PSF	HC-ENG	TCE/WPF
TOT.LD.	37.0 PSF	SEQN-	4385
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	IUMB487_202

Top Chord 2x4 SP #1
Bot Chord 2x4 SP #1
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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

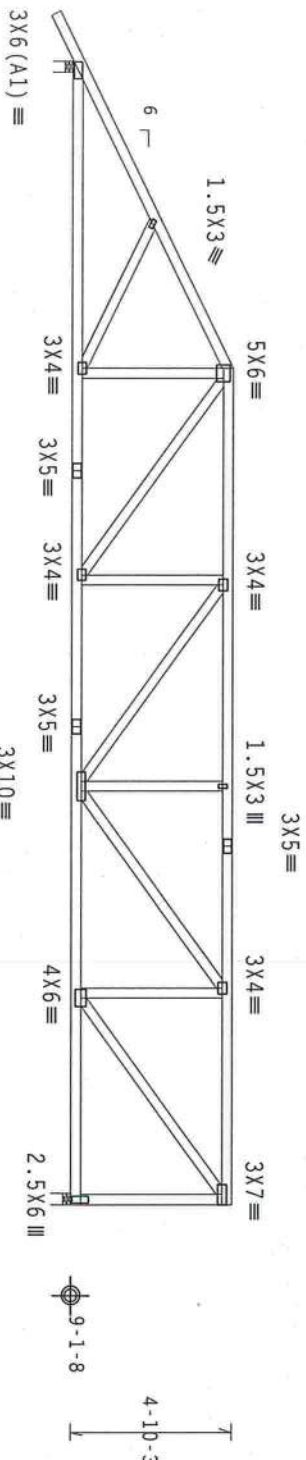
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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



9-0-0 24-6-0 33-6-0 Over 2 Supports

R=1359 U=231 W=4"
RL=127/-47

R=1259 U=225 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(Std)
FT/RT=20%(0%)/10(0)

10-03-11 No. 022839

0TY11

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

Scale = .1875"/Ft.

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. Follow the latest edition of BCSP (Building Component Safety Information, by TPI and WCA) and all applicable codes and standards. Installers shall provide temporary bracing per BCSP. 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 BCSP sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown. Apply plates to each face of truss and position as shown above and on the Job. Detail all connections and bracing. Indicate acceptance of professional engineering drawing or cover page listing this drawing. 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: general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net.org; WCA: www.sdbindustry.com; ICC: www.iccsafe.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF R487-- 13044
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUR487 12143020
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT.LD.	37.0 PSF	SEQN- 4387
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UMBA87_202

(12-099--BRYAN ZECHEER Colunga-Knight Residence -- Lake City, FL - A19 33'6" Mono Hip Girder)

Top chord 2x4 SP M-30 :T1 2x4 SP #1:

Bot chord 2x6 SP #1 Dense

Webs 2x4 SP #3 :W10 2x4 SP #1:

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCP1(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Roof overhang supports 2.00 psf soffit load.

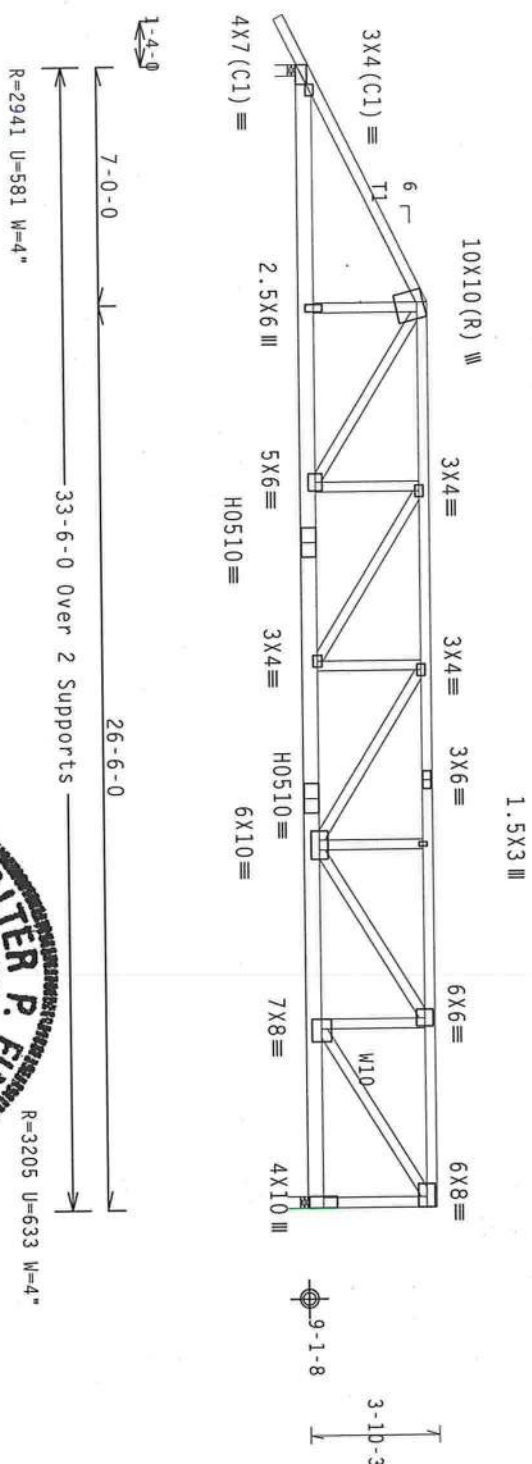
Bottom chord checked for 10.00 psf non-concurrent live load.

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

Special Loads

Lumber		Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC-From	56 pif at -1.46 to 56 pif at 7.00	
TC-From	28 pif at 7.00 to 28 pif at 33.50	
BC-From	4 pif at -1.46 to 4 pif at 0.00	
BC-From	20 pif at 0.00 to 20 pif at 7.03	
BC-From	10 pif at 7.03 to 10 pif at 33.50	
TC-227.59 lb Conc.	Load at 7.03	
TC-168.70 lb Conc.	Load at 9.06, 11.06, 13.06, 15.06	
TC-19.06, 21.06, 23.06, 25.06, 27.06, 29.06, 31.06, 33.06	Load at 7.03	
BC-454.60 lb Conc.	Load at 9.06, 11.06, 13.06, 15.06	
BC-126.57 lb Conc.	Load at 9.06, 11.06, 13.06, 15.06	
BC-19.06, 21.06, 23.06, 25.06, 27.06, 29.06, 31.06, 33.06	Load at 9.06, 11.06, 13.06, 15.06	

Right end vertical not exposed to wind pressure.



PLT TYP. 20 Gauge HS.Wave

Design Crit: FBC2010Res/TPI-2007 (ST

FT/RT=20%(0%)/10(0)

11.03.11.0209.20

No.22839

QT 1 FL/-/4/-/-/R/-

Scale = .1875"/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.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BC31 (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing 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 bracing shall have bracing installed per BC31 sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, or bracing of trusses. Apply plates to each end of the truss in accordance with the design drawings. Under no circumstances shall the truss be used for any purpose other than that for which it was designed. 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: general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.structure.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF R487--13045
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUR487 12143026
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT.LD.	37.0 PSF	SEQN- 4560
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UMB487_202

(12-099--BRYAN ZECHER Colunga-Knight Residence -- Lake City, FL - B1 25'1"8 Gable)

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

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

See DWGS A12015ENC100212, GBLLET100212, & GABRST100212 for more requirements.

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

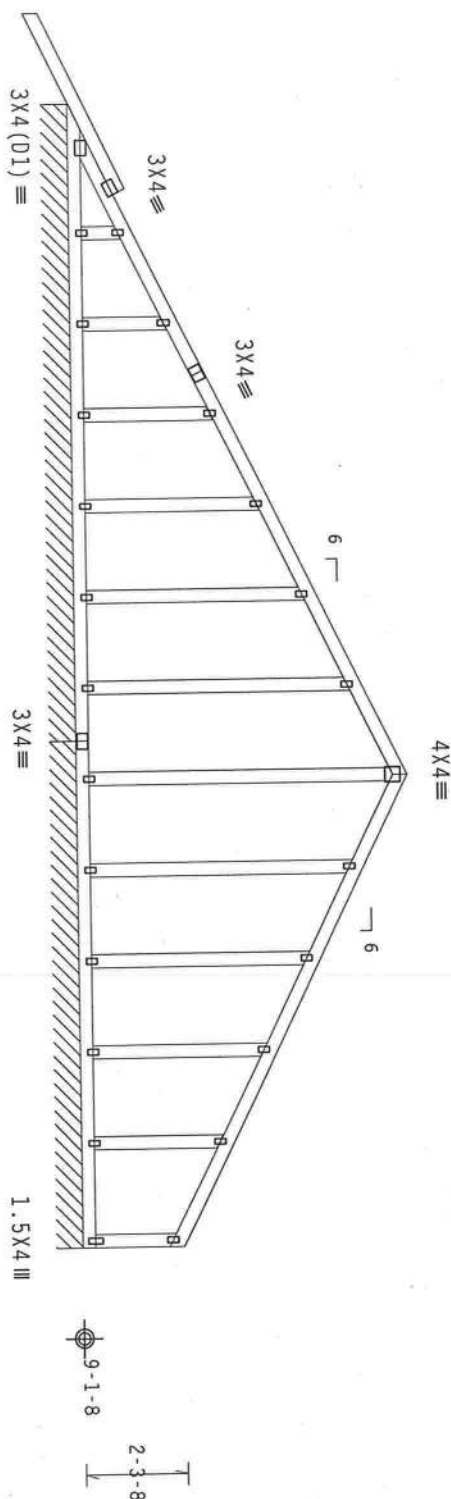
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, Exp C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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

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



R=77 PLF U=15 PLF W=14-0-0
RL=10/-9 PLF

R=76 PLF U=8 PLF W=

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

FT/RT=20%(0%)/10(0)

10403. No. 22839

QTY:

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

Scale = .25"/ft.

PLT TYP. Wave

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. The truss designer is responsible for providing all necessary information, by TPI and WCA, for the safe and proper erection of the truss. The truss designer shall provide detailed drawings and specifications for the truss, including but not limited to, the following: 1. Truss layout and dimensions. 2. Truss member sizes and grades. 3. Truss connections and bracing. 4. Truss erection and bracing sequence. 5. Truss storage and handling instructions. 6. Truss transportation instructions. 7. Truss installation instructions. 8. Truss maintenance instructions. 9. Truss warranty information. 10. Truss contact information. The truss designer shall also provide a detailed list of materials and a bill of materials for the truss. The truss designer shall also provide a detailed list of specifications and a list of references for the truss. The truss designer shall also provide a detailed list of notes and a list of revisions for the truss. The truss designer shall also provide a detailed list of drawings and a list of specifications for the truss. The truss designer shall also provide a detailed list of materials and a bill of materials for the truss. The truss designer shall also provide a detailed list of specifications and a list of references for the truss. The truss designer shall also provide a detailed list of notes and a list of revisions for the truss.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

ICC: www.iccsafe.org



05/22/2012

TC LL	20.0 PSF	REF	R487--	13046
TC DL	7.0 PSF	DATE	05/22/12	
BC DL	10.0 PSF	DRW	HCSR487	12143036
BC LL	0.0 PSF	HC-ENG	TCE/WPF	
TOT. LD.	37.0 PSF	SEQN-	4657	
DUR. FAC.	1.25			
SPACING	24.0"	JREF-	1UMB487_Z02	

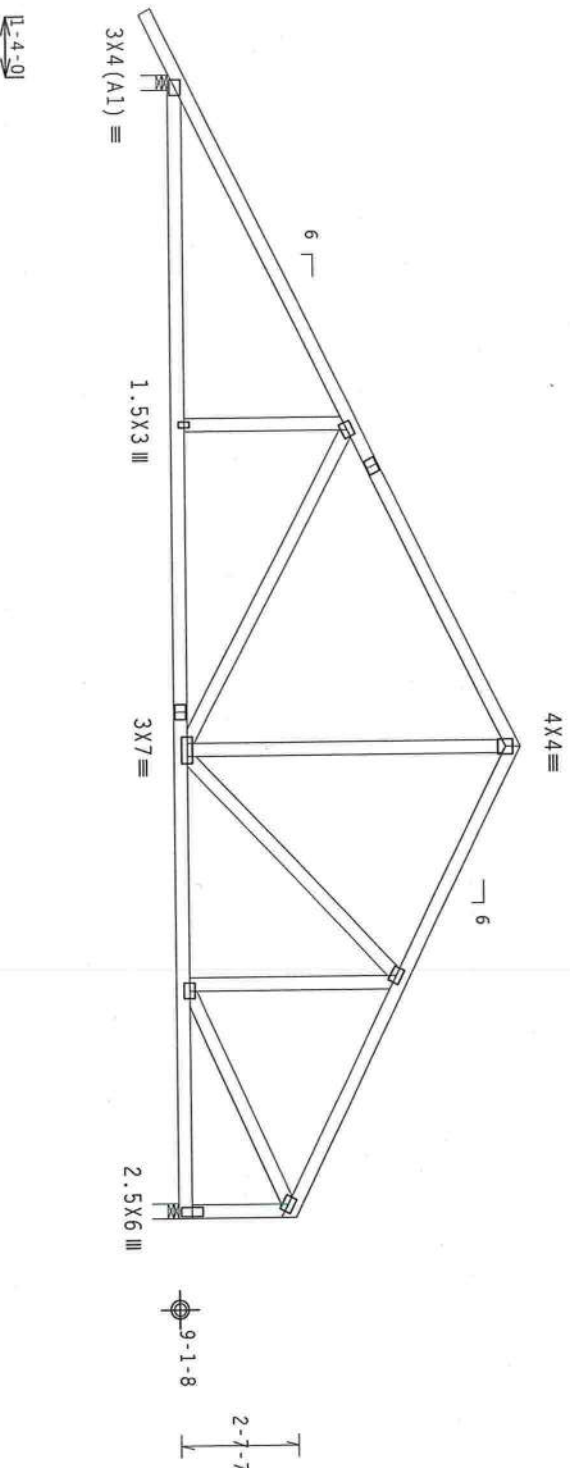
TRUSS AND JOISTED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof RISK CAT II, Exp C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Wind loads and reactions based on MIMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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



R=942 U=154 W=4

Design Crit: FBC2010Res/TPI-2007(STI

$$FT/RT=20\%(0\%)/10(0)$$

10:03 11:02 12:01 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 24:00 25:00 26:00 27:00 28:00 29:00 30:00 31:00 32:00 33:00 34:00 35:00 36:00 37:00 38:00 39:00 40:00 41:00 42:00 43:00 44:00 45:00 46:00 47:00 48:00 49:00 50:00 51:00 52:00 53:00 54:00 55:00 56:00 57:00 58:00 59:00 60:00 61:00 62:00 63:00 64:00 65:00 66:00 67:00 68:00 69:00 70:00 71:00 72:00 73:00 74:00 75:00 76:00 77:00 78:00 79:00 80:00 81:00 82:00 83:00 84:00 85:00 86:00 87:00 88:00 89:00 90:00 91:00 92:00 93:00 94:00 95:00 96:00 97:00 98:00 99:00 100:00 101:00 102:00 103:00 104:00 105:00 106:00 107:00 108:00 109:00 110:00 111:00 112:00 113:00 114:00 115:00 116:00 117:00 118:00 119:00 120:00 121:00 122:00 123:00 124:00 125:00 126:00 127:00 128:00 129:00 130:00 131:00 132:00 133:00 134:00 135:00 136:00 137:00 138:00 139:00 140:00 141:00 142:00 143:00 144:00 145:00 146:00 147:00 148:00 149:00 150:00 151:00 152:00 153:00 154:00 155:00 156:00 157:00 158:00 159:00 160:00 161:00 162:00 163:00 164:00 165:00 166:00 167:00 168:00 169:00 170:00 171:00 172:00 173:00 174:00 175:00 176:00 177:00 178:00 179:00 180:00 181:00 182:00 183:00 184:00 185:00 186:00 187:00 188:00 189:00 190:00 191:00 192:00 193:00 194:00 195:00 196:00 197:00 198:00 199:00 200:00 201:00 202:00 203:00 204:00 205:00 206:00 207:00 208:00 209:00 210:00 211:00 212:00 213:00 214:00 215:00 216:00 217:00 218:00 219:00 220:00 221:00 222:00 223:00 224:00 225:00 226:00 227:00 228:00 229:00 230:00 231:00 232:00 233:00 234:00 235:00 236:00 237:00 238:00 239:00 240:00 241:00 242:00 243:00 244:00 245:00 246:00 247:00 248:00 249:00 250:00 251:00 252:00 253:00 254:00 255:00 256:00 257:00 258:00 259:00 260:00 261:00 262:00 263:00 264:00 265:00 266:00 267:00 268:00 269:00 270:00 271:00 272:00 273:00 274:00 275:00 276:00 277:00 278:00 279:00 280:00 281:00 282:00 283:00 284:00 285:00 286:00 287:00 288:00 289:00 290:00 291:00 292:00 293:00 294:00 295:00 296:00 297:00 298:00 299:00 300:00 301:00 302:00 303:00 304:00 305:00 306:00 307:00 308:00 309:00 310:00 311:00 312:00 313:00 314:00 315:00 316:00 317:00 318:00 319:00 320:00 321:00 322:00 323:00 324:00 325:00 326:00 327:00 328:00 329:00 330:00 331:00 332:00 333:00 334:00 335:00 336:00 337:00 338:00 339:00 340:00 341:00 342:00 343:00 344:00 345:00 346:00 347:00 348:00 349:00 350:00 351:00 352:00 353:00 354:00 355:00 356:00 357:00 358:00 359:00 360:00 361:00 362:00 363:00 364:00 365:00 366:00 367:00 368:00 369:00 370:00 371:00 372:00 373:00 374:00 375:00 376:00 377:00 378:00 379:00 380:00 381:00 382:00 383:00 384:00 385:00 386:00 387:00 388:00 389:00 390:00 391:00 392:00 393:00 394:00 395:00 396:00 397:00 398:00 399:00 400:00 401:00 402:00 403:00 404:00 405:00 406:00 407:00 408:00 409:00 410:00 411:00 412:00 413:00 414:00 415:00 416:00 417:00 418:00 419:00 420:00 421:00 422:00 423:00 424:00 425:00 426:00 427:00 428:00 429:00 430:00 431:00 432:00 433:00 434:00 435:00 436:00 437:00 438:00 439:00 440:00 441:00 442:00 443:00 444:00 445:00 446:00 447:00 448:00 449:00 450:00 451:00 452:00 453:00 454:00 455:00 456:00 457:00 458:00 459:00 460:00 461:00 462:00 463:00 464:00 465:00 466:00 467:00 468:00 469:00 470:00 471:00 472:00 473:00 474:00 475:00 476:00 477:00 478:00 479:00 480:00 481:00 482:00 483:00 484:00 485:00 486:00 487:00 488:00 489:00 490:00 491:00 492:00 493:00 494:00 495:00 496:00 497:00 498:00 499:00 500:00 501:00 502:00 503:00 504:00 505:00 506:00 507:00 508:00 509:00 510:00 511:00 512:00 513:00 514:00 515:00 516:00 517:00 518:00 519:00 520:00 521:00 522:00 523:00 524:00 525:00 526:00 527:00 528:00 529:00 530:00 531:00 532:00 533:00 534:00 535:00 536:00 537:00 538:00 539:00 540:00 541:00 542:00 543:00 544:00 545:00 546:00 547:00 548:00 549:00 550:00 551:00 552:00 553:00 554:00 555:00 556:00 557:00 558:00 559:00 560:00 561:00 562:00 563:00 564:00 565:00 566:00 567:00 568:00 569:00 570:00 571:00 572:00 573:00 574:00 575:00 576:00 577:00 578:00 579:00 580:00 581:00 582:00 583:00 584:00 585:00 586:00 587:00 588:00 589:00 590:00 591:00 592:00 593:00 594:00 595:00 596:00 597:00 598:00 599:00 600:00 601:00 602:00 603:00 604:00 605:00 606:00 607:00

QTY 3 FL/-/4/-/-/R/-

Scale = .25" / Ft.

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

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

general issues page;
ICC: www.iccsafe.org

05/22/2012

TC LL	20.0 PSF	REF R487-- 13047
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUR487 12143035
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT. LD.	37.0 PSF	SEQN- 4578
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UM487_Z02

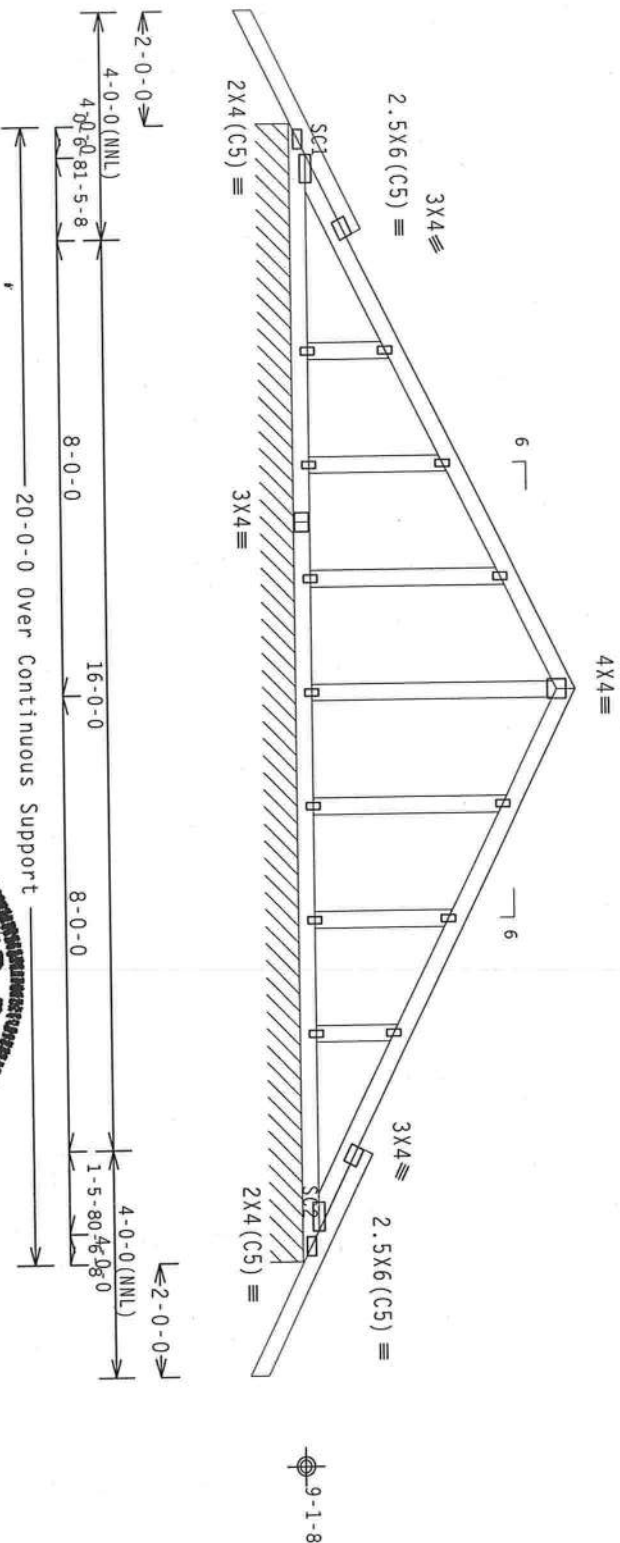
(12-099--BRYAN ZECHEER Colunga-Knight Residence -- Lake City, FL - C1 20' Gable)

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

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3
Stack Chord SC1 2x4 SP #1::Stack Chord SC2 2x4 SP #1:
Roof overhang supports 2.00 psf soffit load.
See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.
In lieu of structural panels use purlins to brace TC @ 24" OC.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, Gcpl(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.

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



Note: All Plates Are 1.5X3 Except As Shown.
Design Crt: FBC2010Res/TP1-2007 (ST)
FT/RT=20%(0%)/10(0)

10-03-11 020839
No. 22839

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

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. For the latest edition of ECSI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bolts shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per ECSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, bracing of trusses. Apply plates to each face of truss and use standard plate positions. A seal on details, unless noted otherwise, shall not be used. The seal on details shall indicate 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.tpi.net.org; WCA: www.structure.org; ICC: www.iccsafe.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF	R487-- 13048
TC DL	7.0 PSF	DATE	05/22/12
BC DL	10.0 PSF	DRW	HGUR487 12143028
BC LL	0.0 PSF	HC-ENG	TCE/WPF
TOT.LD.	37.0 PSF	SEQN-	4364
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	IUMB487_Z02

(12-099--BRYAN ZECHE, Colunga-Knight Residence -- Lake City, FL - C3 20' Common)

Top Chord 2x4 SP #1
Bot Chord 2x4 SP #1
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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

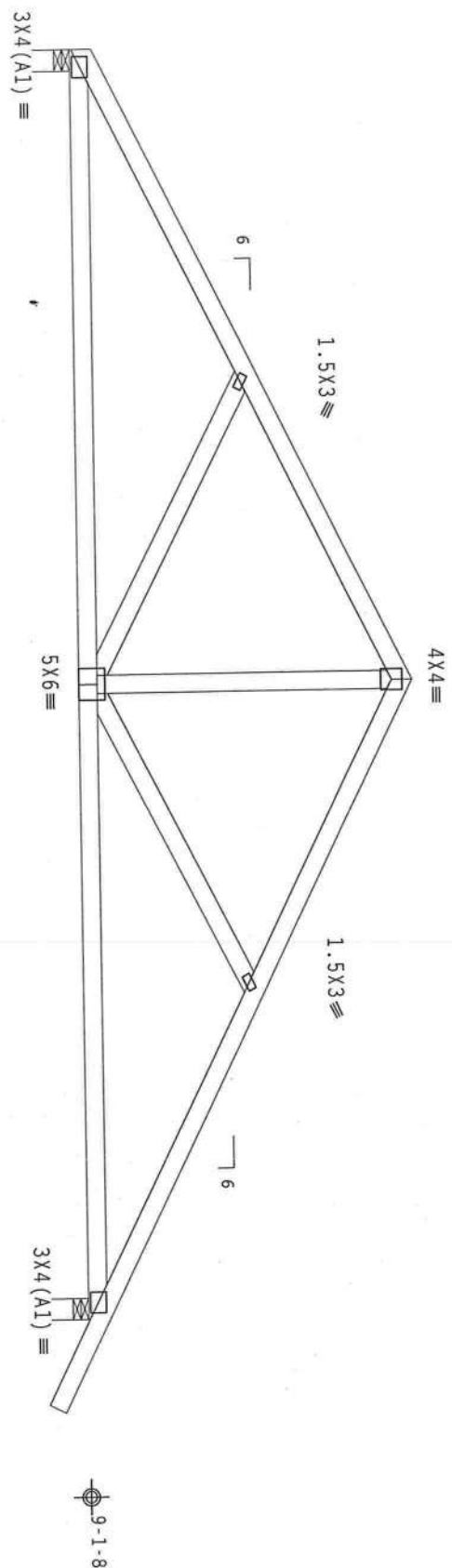
MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCP1 (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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

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



10'-0'-0
20'-0'-0 Over 2 Supports
10'-0'-0
12'-4'-0
R=753 U=13 W=4"
RL=128/-120
R=844 U=26 W=4"

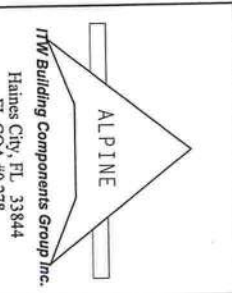
PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=20%(0%)/10(0)



FL/-4/-/-R/-

Scale = .375"/ft.



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

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Trusses are designed for specific functions. Trusses shall be installed in accordance with the design shown. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BC51 sections 831, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown. ITWBCG shall not be responsible for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, bracing or installing the truss. The user of the truss shall be responsible 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.tpiinc.org; MICA: www.micaindustrial.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R487-13050
TC DL	7.0 PSF	DATE	05/22/12
BC DL	10.0 PSF	DRW	HCSR487 12143029
BC LL	0.0 PSF	HC-ENG	TCE/WPF
TOT.LD.	37.0 PSF	SEQN	4375
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1UMB487_202

(12-099--BRYAN ZECHER Columna-Knight Residence -- Lake City, FL - CJD 3' Jack)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

Roof overhang supports 2.00 psf soffit load.

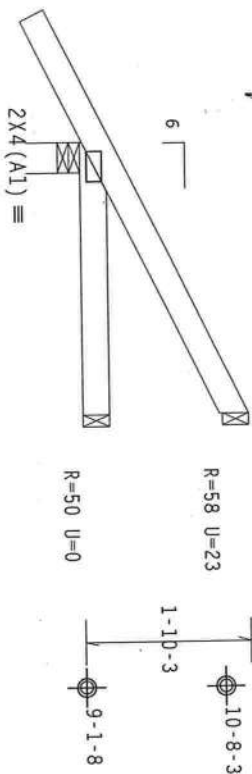
Bottom chord checked for 10.00 psf non-concurrent live load.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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.



R=228 U=41 W=4"
RL=54/-28

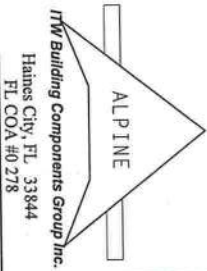
Design Crit: FBC2010Res/TPI-2007 (STD
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

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

IMPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of the International Building Code (IBC) and the latest edition of the International Code of Building Officials (ICBO) for all applicable provisions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BC51 sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from 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.tpiint.org; WCA: www.structure.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R487-- 13052
TC DL	7.0 PSF	DATE	05/22/12
BC DL	10.0 PSF	DRW	HCSR487 12143024
BC LL	0.0 PSF	HC-ENG	TCE/WPF
TOT.LD.	37.0 PSF	SEQN-	4404
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	IUMB487_202

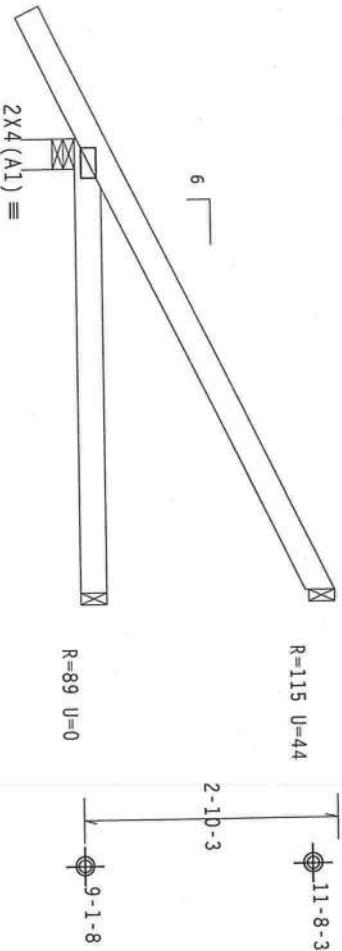
Scale = .5"/ft.

TRUSS ONE GENERATED FROM COMPUTER INPUT (1 DADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL-3.5 psf, wind BC DL=0 psf, Gch(+/-)=0.18

Wind loads and reactions based on MIFRS with additional C&C member design.

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: FBC2010Res/TPI-2007(ST

$$FT/RT=20\%(0\%)/10(0)$$

10:03 11:0209 20
No. 22839

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

Scale = .5"/Ft.

READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Components Information, by TPI and MWCA) practices prior to performing these tasks. Installers shall provide temporary bracing and bracing noted elsewhere. Attached field ceiling locations shown for permanent lateral restraint shall have a pre-installed near BCSI sections B3, B7 or B10, as applicable.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF	R487 - 13053
TC DL	7.0 PSF	DATE	05/22/12
BC DL	10.0 PSF	DRW	HCUSR487 12143025
BC LL	0.0 PSF	HC-ENG	TCE/WPF
TOT.LD.	37.0 PSF	SEQN-	4405
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1UMB487_202

Roof overhang supports 2.00 psf soffit load.

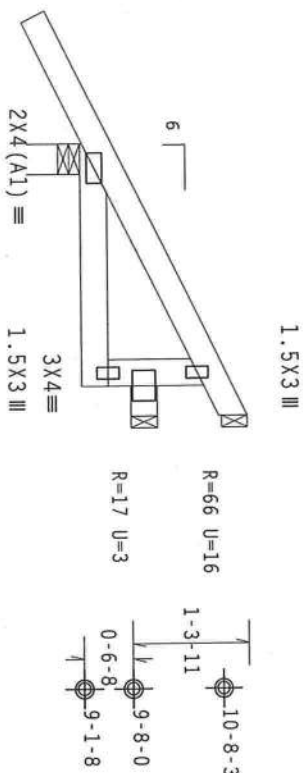
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

wind loads and reactions based on MMFRS with additional C&C member design.

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



1-4-0

3-0-0 over 3 Supports-4-0

R=228 U=41 W=4"
RL=54/-28

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(Std)
FT/RT=20%(0%)/10(0)

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

Tenets requiring extreme care in fabricating, handling, shipping, installing and bracing, following the latest edition of BCSI (Building Component Safety Information, by TPI and AISC), and the use of the following practices for performing these functions. Installers shall provide temporary bracing between members 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 restraints shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

[illegible]

05/22/2012

FL/-/4/-/-/R/-		Scale = .5"/ft.
TC LL	20.0 PSF	REF R487-- 13056
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUR487 12143044
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT.LD.	37.0 PSF	SEQN- 4474
DUR.FAC.	1.25	
SPACING	24.0"	JREF- IUMB487_Z02

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

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

Trusses to be spaced at 48.0" OC maximum.

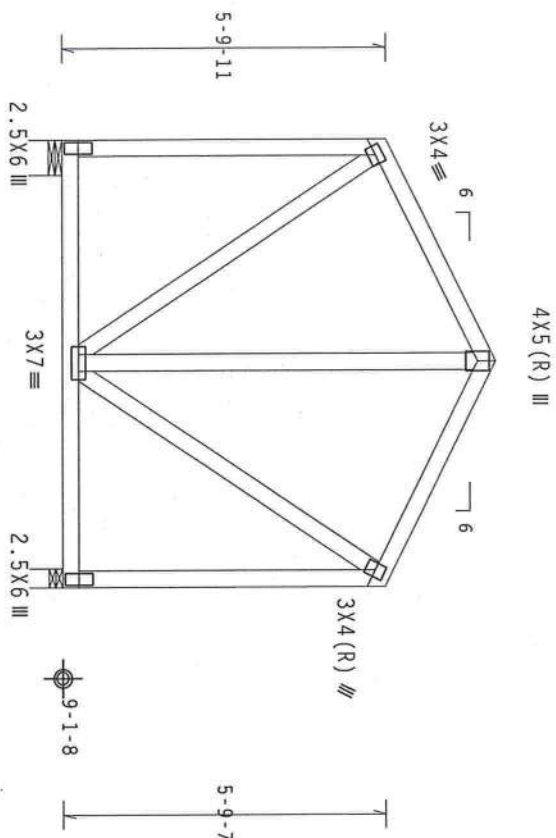
MFERS loads based on trusses located at least 7.95 ft. from roof edge.

120 mph wind, 15.90 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

Wind loads and reactions based on MFERS with additional C&C member design.

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

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



3-11-0 3-11-8
7-10-8 over 2 Supports
R=596 U=95 W=7.5"
RL=84/-84
R=596 U=94 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for safety 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 shall have bracing installed per BCSI section 83, 87 or 810, 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 accordance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each truss chord as shown in the drawing. 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; WCA: www.sciindustry.com; ITC: www.itcinfo.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

10/03 No. 22839 QTY: 1

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

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF R487-- 13059
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUSR487 12143034
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT.LD.	37.0 PSF	SEQN- 4624
DUR.FAC.	1.25	
SPACING	48.0"	JREF- 1UMB487_202

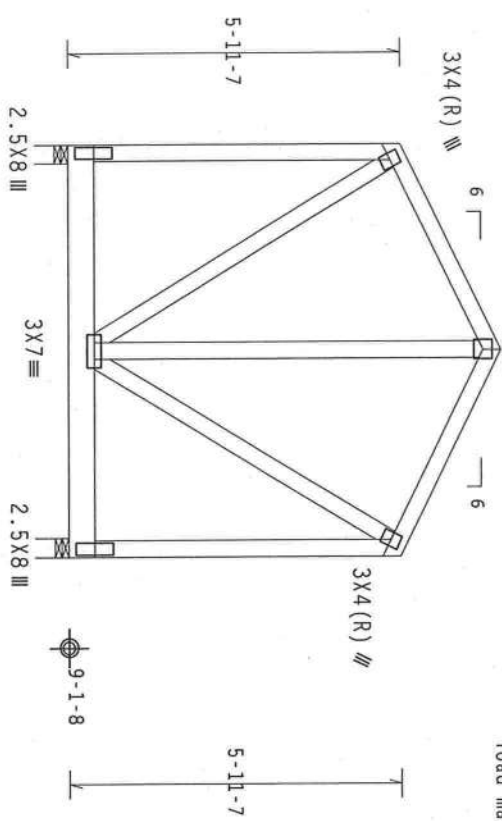
Top chord 2x4 SP #1
Bot chord 2x6 SP #2
Webs 2x4 SP #3

120 mph wind, 15.98 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, Exp C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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

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



Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 111 plf at 0.00 to 111 plf at 3.63
TC- From 111 plf at 3.63 to 111 plf at 7.25
BC- From 20 plf at 0.00 to 20 plf at 7.25
BC- 1028.60 lb Conc. Load at 1.65
BC- 228.28 lb Conc. Load at 3.65, 5.65

End verticals not exposed to wind pressure.

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

Trusses to be spaced at 48.0" OC maximum.

The Building Designer shall evaluate and approve load magnitudes and locations as shown under "SPECIAL LOADS".
Truss Engineer & Fabricator are not responsible for load magnitudes and locations.

PLT TYP. Wave

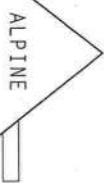
Design crit: FBC2010Res/TPI-2007(STI)
FT/RT=20%(0%)/10(0)

3-7-8 3-7-8
7-3-0 over 2 supports
R-1107 U=319 W=4"
R-417 U=420 W=4"

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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bot shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing, or any other aspect of the truss. ITWBCG shall not be responsible for any deviation from any drawing or cover page listing this drawing. 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: general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.structindustry.com; ITC: www.itcsafe.org



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



FL/-/4/-/R/-	Scale = .3125"/ft.
TC LL 20.0 PSF	REF R487-- 13060
TC DL 7.0 PSF	DATE 05/22/12
BC DL 10.0 PSF	DRW HCUSR487 12143032
BC LL 0.0 PSF	HC-ENG TCE/WPF
TOT.LD. 37.0 PSF	SEON- 4633
DUR.FAC. 1.25	
SPACING 48.0"	JREF- 1UWB487_202

TOP chord 2x4 SP #1
Bot chord 2x4 SP #1

Roof overhang supports 2.00 psf soffit load.

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

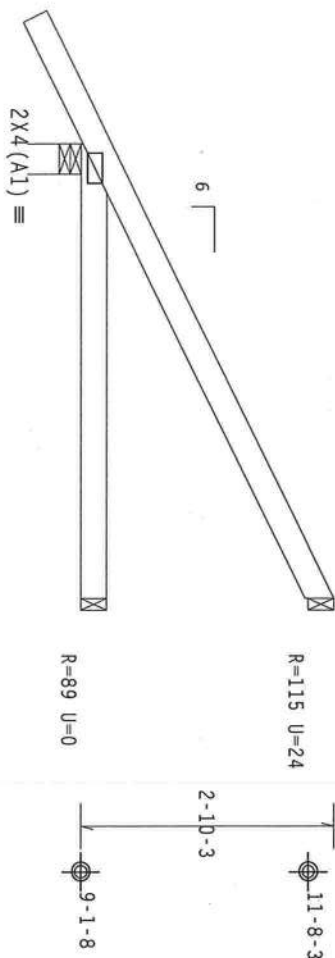
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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



← 1-4-0 →
5-0-0 Over 3 Supports
R=294 U=20 W=4"
RL=52/-33

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(ST
FT/RT=20%(0%)/10(0)

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. Follow the latest edition of ACI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bot shall have bracing installed per ACI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or bracing the truss. The user of this design shall be responsible for the design and the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.sciindustry.com; IBC: www.iccsafe.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278



FL/-/4/-/-/R/-				Scale = .5"/ft.	
TC LL	20.0 PSF	REF	R487--	13062	
TC DL	7.0 PSF	DATE	05/22/12		
BC DL	10.0 PSF	DRW	HCSR487	12143030	
BC LL	0.0 PSF	HC-ENG	TCE/WPF		
TOT.LD.	37.0 PSF	SEQN-	4603		
DUR.FAC.	1.25				
SPACING	24.0"	JREF-	1UMB487_202		

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

In lieu of structural panels use purtins to brace TC @ 24" OC

Trusses to be spaced at 48.0" OC maximum.

Truss must be installed as shown with top chord up.

Special loads

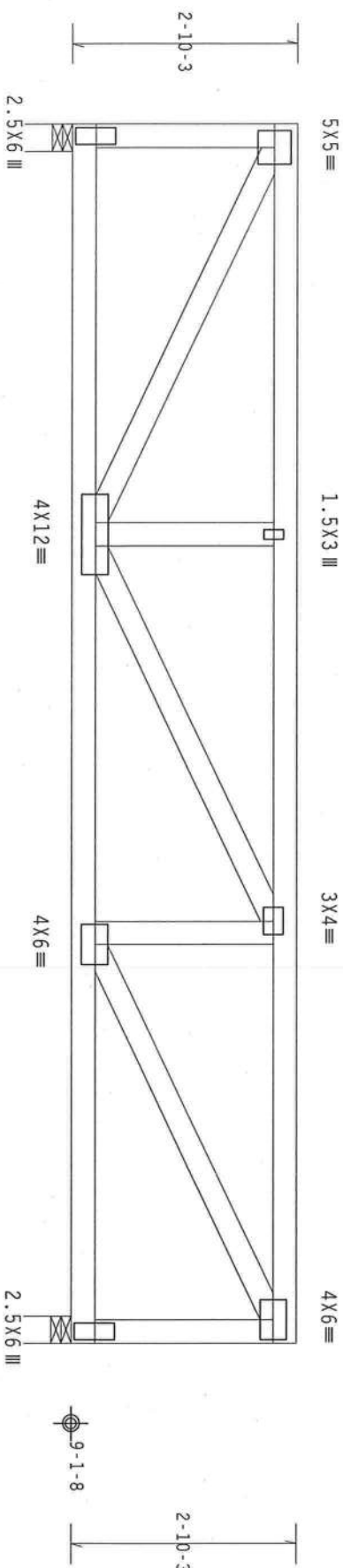
	PlatDur.Fac.=1.25	PlatDur.Fac.=1.25
TC- (Lumber Dur.Fac.=1.25 /		
TC- From 54 pif at 0.00 to 54 pif at 15.17		
8C- From 20 pif at 0.00 to 20 pif at 15.17		
TC- 115.30 lb Conc. Load at 1.56, 3.56, 5.56, 7.56		
9.56, 11.56, 13.56		
8C- 88.55 lb Conc. Load at 1.56, 3.56, 5.56, 7.56		
9.56, 11.56, 13.56		

End verticals 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. Creep increase factor for dead load is 1.50.

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



R=1277 U=163 W=4

-15-2-0 Over 2 Supports

R=1273 U=162 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STL
FT/RT=20%(0%)/10(0)

$$FT/RT=20\%(0\%)/10(0)$$

10:03 AM 03/28/2010

QTY

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

Scale = .5"/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

Trusses require different care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information, by TC and AISC, for safety practices relative 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 restraints shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

[illegible]

05/22/2012

TC LL	20.0 PSF	REF	R487 - 13064
TC DL	7.0 PSF	DATE	05/22/12
BC DL	10.0 PSF	DRW	HCSUR487 12143033
BC LL	0.0 PSF	HC-ENG	TCE/WPF
TOT.LD.	37.0 PSF	SEON -	4613
DUR.FAC.	1.25		
SPACING	48.0"	JREF -	IUMB487_202

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf wind BC DL=5.0 psf, Gcpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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 ( 3 ) 16d common nails(0.162"x3.5"). toe nailed at Bot chord.
```

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC- From	TC- To	BC- From	BC- To	TC- From	TC- To	BC- From	BC- To
0 ptf at 1.98	to 55 ptf at -0.10	0 ptf at -0.10	to 2 ptf at 9.90	0 ptf at 1.98	to 55 ptf at -0.10	0 ptf at -0.10	to 2 ptf at 9.90
2 ptf at -0.10	to 4 ptf at -0.10	2 ptf at -1.98	to 4 ptf at -0.10	2 ptf at -0.10	to 4 ptf at -0.10	2 ptf at -1.98	to 4 ptf at -0.10
2 ptf at 0.00	to 2 ptf at 9.90	2 ptf at 0.00	to 2 ptf at 9.90	2 ptf at 0.00	to 2 ptf at 9.90	2 ptf at 0.00	to 2 ptf at 9.90

TC-115.10	1b cone.	Load at 4.31
1c-23.76	1b collc.	Load at 1.46

TC- 230.62 1b Conc. Load at 7.13

BC-16.24 1b Conc. Load at 1.48

BC- 99.61 lb conc. Load at 4.31
BC- 177.11 lb conc. load at 7.13

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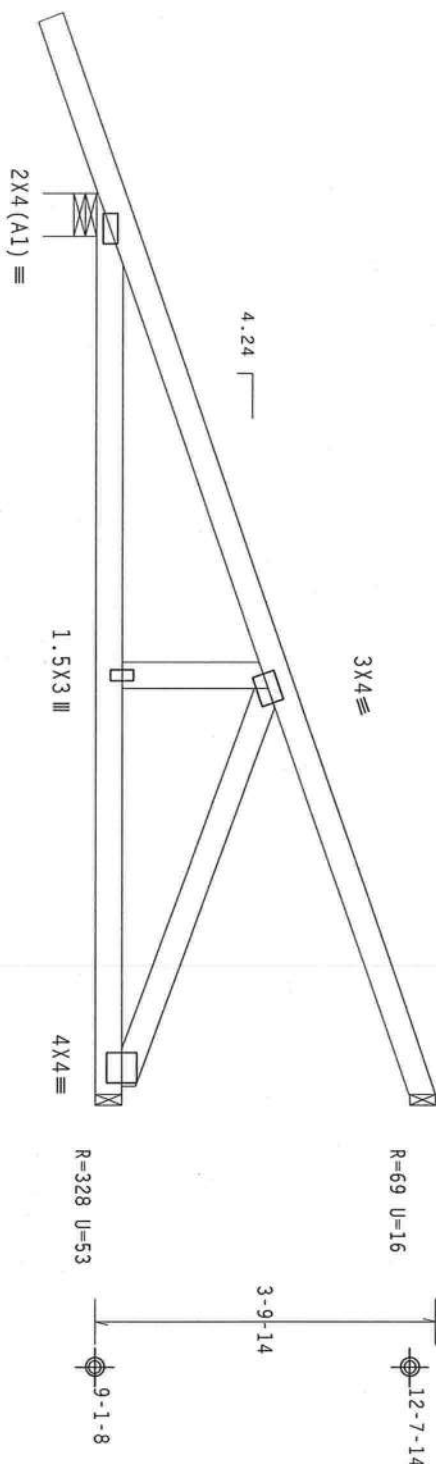
C
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C

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



1-10-10

R=317 U=142 W=5.657.

-9-10-13 Over 3 Supports

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD

$$FT/RT=20\%(0\%)/10(0)$$

10:03. No. 22839 QTY

QTY

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

Scale = .5" / Ft.

****IMPORTANT****

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

Trustees requiring a strenuous case in fabric/cleaning, handling, shipping, installing and bracing. A review of the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) for safety practices noted otherwise. To perform these functions, installers shall provide temporary bracing per BCSI. Unless noted otherwise, 20 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 83, 89 or 810, as applicable.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

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; MICA: www.shcindustry.com; ICC: www.iccsafe.org

05/22/2012

DUR.FAC.	1.25	
SPACING	24.0"	JREF - IUMB487_202

Top Chord 2x4 SP #1
Bot Chord 2x4 SP #1
Webs 2x4 SP #3

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Roof overhang supports 2.00 psf soffit load.

(H1) = (J) Hanger not calculated (2)2x6 SP #2 supporting member.

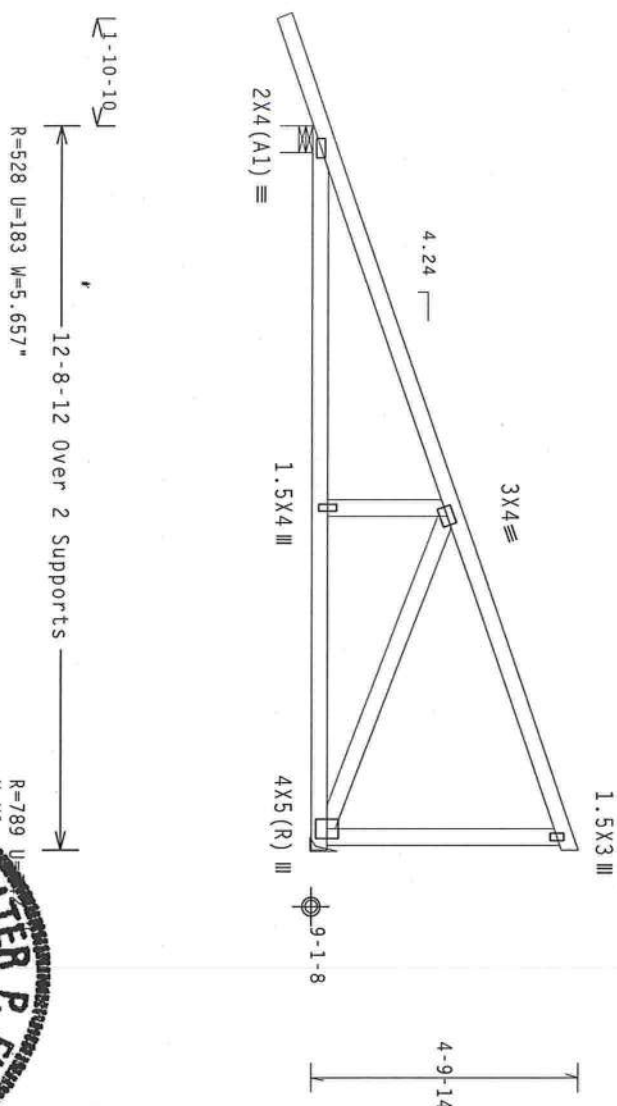
Bottom chord checked for 10.00 psf non-concurrent live load.

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

Special Loads

Lumber		Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From	0 pif at -1.98 to 55 pif at -0.10	
TC- From	2 pif at -0.10 to 2 pif at 12.73	
BC- From	0 pif at -1.98 to 4 pif at -0.10	
BC- From	2 pif at 0.00 to 2 pif at 12.73	
TC- 25.76 lb Conc.	Load at 1.48	
TC- 115.10 lb Conc.	Load at 4.31	
TC- 230.62 lb Conc.	Load at 7.13	
TC- 342.89 lb Conc.	Load at 9.96	
BC- 16.24 lb Conc.	Load at 1.48	
BC- 99.61 lb Conc.	Load at 4.31	
BC- 177.11 lb Conc.	Load at 7.13	
BC- 254.79 lb Conc.	Load at 9.96	

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STC)
FT/RT=20%(0%)/10(0)

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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bolts shall have bracing installed per BCSI section 83, 87 or 810, as applicable.

The Building Components Group Inc. (TWPBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing, or any other failure. The truss manufacturer shall be responsible for the design and details. Unless noted otherwise, refer to drawings 160A-2 for standard plate positions and drawing or cover page listing this drawing. 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: general notes page: the-bcsi: www.tbcsi.com; tpi: www.tpinet.org; WCA: www.shcindustry.com; TCI: www.tbcsire.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278



FL/-/4/-/-/R/-		Scale = .3125"/Ft.	
TC LL	20.0 PSF	REF	R487-- 13066
TC DL	7.0 PSF	DATE	05/22/12
BC DL	10.0 PSF	DRW	HCSR487 12143038
BC LL	0.0 PSF	HC-ENG	TCE/MPF
TOT.LD.	37.0 PSF	SEQN-	4554
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	IUMB487_202

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 :W1 2x6 SP #2:

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

Wind loads and reactions based on MWFRS with additional CMC member design.

Roof overhang supports 2.00 psf soffit load.

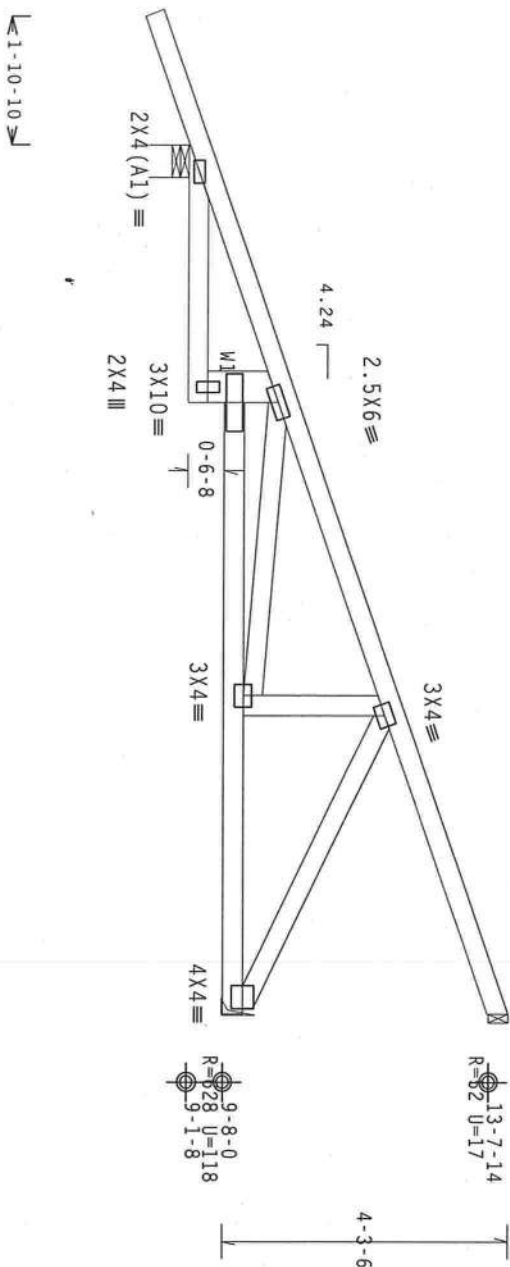
Bottom chord checked for 10.00 psf non-concurrent live load.

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

Special loads
-----Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25

TC- From 0 pif at -1.98 to 55 pif at -0.10
TC- From 2 pif at -0.10 to 2 pif at 12.73
BC- From 0 pif at -1.98 to 4 pif at -0.10
BC- From 2 pif at 0.00 to 2 pif at 3.77
TC- From 2 pif at 3.77 to 1.48
TC- 25.76 lb Conc. Load at 1.48
TC- 132.45 lb Conc. Load at 4.31, 7.13
TC- 226.15 lb Conc. Load at 9.96
BC- 16.24 lb Conc. Load at 1.48
BC- 34.65 lb Conc. Load at 4.31
BC- 213.76 lb Conc. Load at 7.13
BC- 301.47 lb Conc. Load at 9.96

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



R=459 U=179 W=5.657"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=20%(0%/10(0))

10-03-NOV22839

FL/-/4/-/R/-

Scale = .375"/Ft.

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of ANSI (Building Code) and all applicable local codes. Do not deviate from these practices prior to performing these functions. Installers shall provide temporary bracing per ANSI. 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 BCS1 sections 93, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. ITWBCG shall not be responsible 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. ITWBCG shall not be responsible for any failure to follow 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-BCG: www.itwbcg.com; TPI: www.tpi.net; NTA: www.sciindustry.com; ITC: www.itcinfo.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF R487-- 13067
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUR487 12143045
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT.LD.	37.0 PSF	SEQN- 4564
DUR.FAC.	1.25	
SPACING	24.0"	JREF - IUMB487_202

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

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

120 mph wind, 15.00 ft mean hgt.; ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpt (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

#1 hip supports 9-0-0 jacks w/2 panel TC and no end vert.

Left side jacks have 9-0-0 setback with 0-0-0 cant and 1-5-9 overhang.
End jacks have 9-0-0 setback with 0-0-0 cant and 1-5-9 overhang.

Right side jacks have 9-0-0 setback with 0-0-0 cant and 0-0-0 overhang.

Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.

Naïl Schedule: 0.128"x3", min. naïls

10P	chord: 1 Row	@12.00"	0. c
Bot	Chord: 1 Row	@12.00"	0. c

Webbs	: 1 Row	@ 4" O.C.
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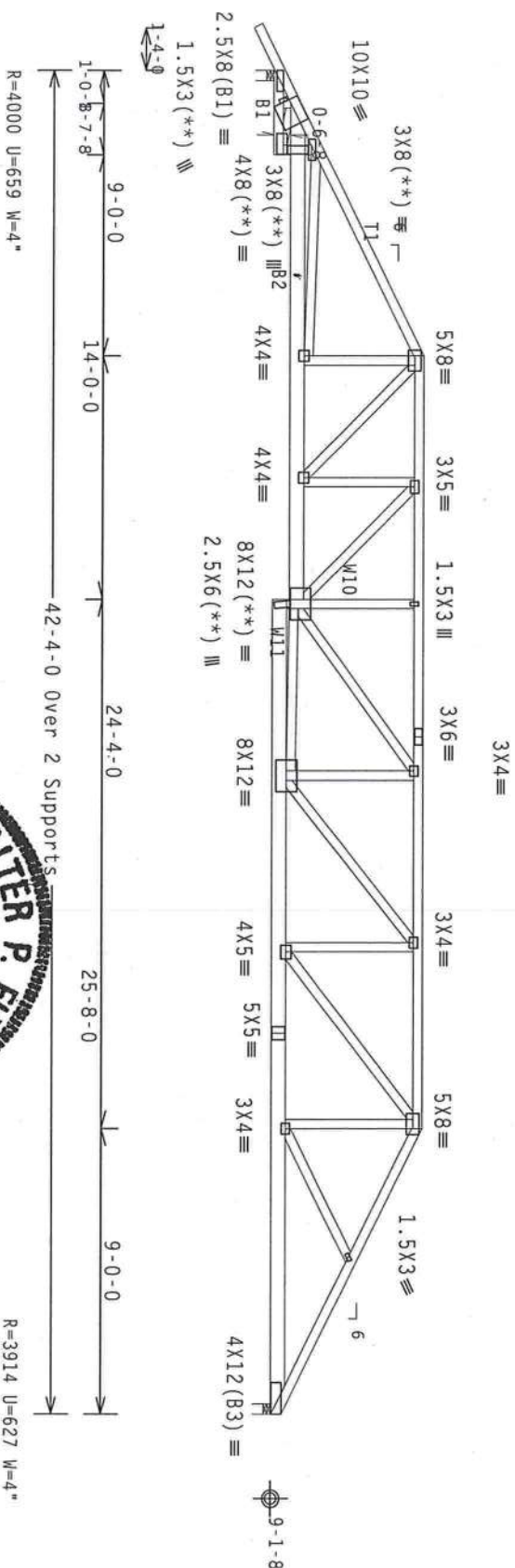
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Wind loads and reactions based on MMFRS with additional C&C member design.

Calculated horizontal deflection is 0.15" due to live load and 0.20" due to dead load.

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

Calculated vertical deflection is 0.45" due to live load and 0.60" due to dead load at X = 16-9-12.



R=3914 U=627 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STE

$$FT/RT=20\%(0\%)/10(0)$$

10:03. No. 22839 JNTY

ALD

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

Scale = .1875"/Ft.

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

Trusses requiring extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) information, by TPI and MICA, for practices prior to performing these functions. Installers shall provide temporary bracing per the manufacturer's recommendations. Top chord shall have properly attached sheathing and bottom chord shall have a properly attached BCI section. Locations shown for permanent lateral restraints shall have bracing installed per BCI sections 3.87 or 8.10, as applicable.

ALPINE

ITW Building Components Group Inc

Haines City, FL 33844
FL COA #0278

The responsibility of the Building Designer per ANSI/7P1.1 Sec.2. For more information see general notes page: ITW-BCD: www.itwbcg.com; TFI: www.tfnus.org; MTCA: www.sbcindustry.com
ICC: www.iccsafe.org

05/22/2012

DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1UMB487_202

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

Roof overhang supports 2.00 psf soffit load.

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

(H1) = (J) Hanger not calculated (2) 2x6 SP #2 supporting member.

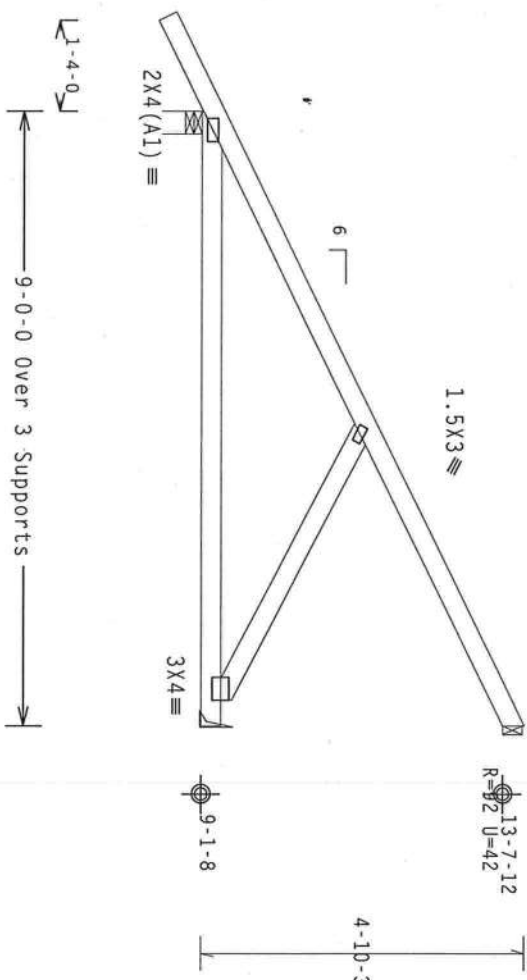
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

120 mph wind 15.00 ft mean hgt. ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge. RISK CAT II, EXP C, wind TC DL=3.5 psf, Wind BC DL=5.0 psf. Gcpl (+/-)=0.18

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

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=438 U=54 W=4"
RL=127/-44

Design Crit: FBC2010Res/TPI-2007(STD

$$\text{FT/RT} = 20\% (0\%) / 10 (0)$$

10.03.140222839

QTY: 10 FL/-/4/-/-/R/-

Scale = .375"/ft.

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

Trusses requiring extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSD (Building Component Safety Information, by SPI and WTA) for practices prior to performing these functions. Installers shall provide temporary bracing per drawings noted elsewhere. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations for permanent lateral restraints installed shall have bracing installed per BCSD sections B9, B7 or B10, as applicable.

[illegible]

Revised 401-781-6900
WALTER P. KILPATRICK
Supplies and Membership Office: (2) 0.148"x3" nails
Shipping Department: (4) 0.148"x3" nails
Postage & Freight: (2) 0.148"x3" nails
Subscriptions: (2) 0.148"x3" nails

WALTER P. KILPATRICK
Supplies and Membership Office: (2) 0.148"x3" nails
Shipping Department: (4) 0.148"x3" nails
Postage & Freight: (2) 0.148"x3" nails
Subscriptions: (2) 0.148"x3" nails

$R^2 = 0.40$ *Ward* *LUS24*

Size: (2) 0.148"x3" nails

(+) 0.140
2x6 SP #2

10.03.140222839

QTY: 10 FL/-/4/-/-/R/-

Scale = .375"/ft.

05

TC LL 20.0

REF R487 -- 13069

✓

TC DL 7.0

DATE 05/22/12

PRIVATE OR

BC DL 10.0

DRW HCUSR487 1214303

FLORIDA

BC LL 0.01

HC-ENG TCE/WPF

PROFESSIONAL EN

TOT.LD. 37.0

SEQN - 96314

structure is
This job's

DUR.FAC.	1.25
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1000

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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SPACING	24.0"
---------	-------

JREF - 1UMB487_Z02

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #1 :W2 2x4 SP #3:

Roof overhang supports 2.00 psf soffit load.

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

(H1) = (J) Hanger not calculated (2)2x6 SP SS supporting member.

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

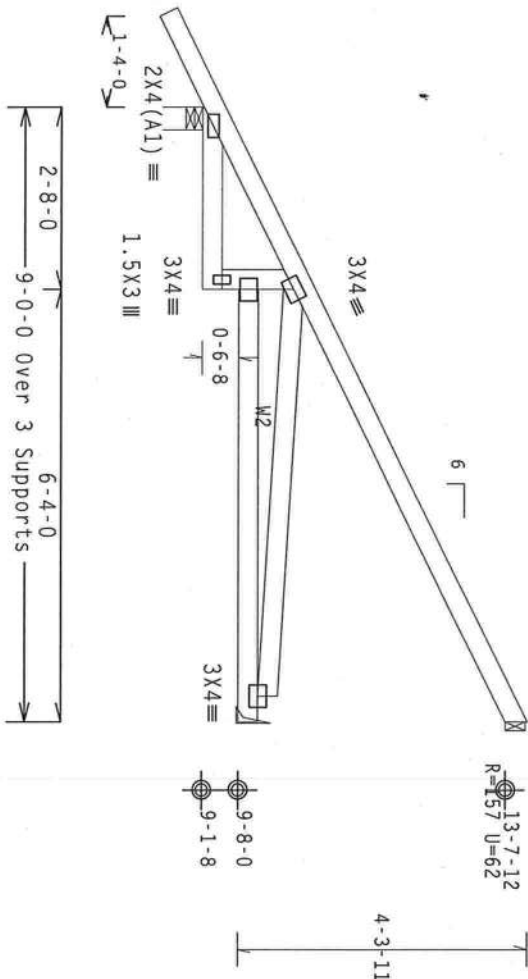
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

Wind loads and reactions based on WMFRS with additional C&C member design.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

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

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



R=438 U=53 W=4*
RL=127/-44

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STD
FT/RT=20%(0%)/10(0)

10/03/2012

FL/-/4/-/R/-

Scale = .375"/ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSC (Building Component Safety Information, BCSPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSC. 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 BCSC sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the bracing of trusses. Apply plates to each face of truss and position as shown above and on the data sheet. The truss shall be braced in accordance with the standards plate positions. A steel on drawing or cover page listing the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ASCE 7-10 Section 2. For more information see: the general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WICA: www.structure.com; IBC: www.icbsafe.org

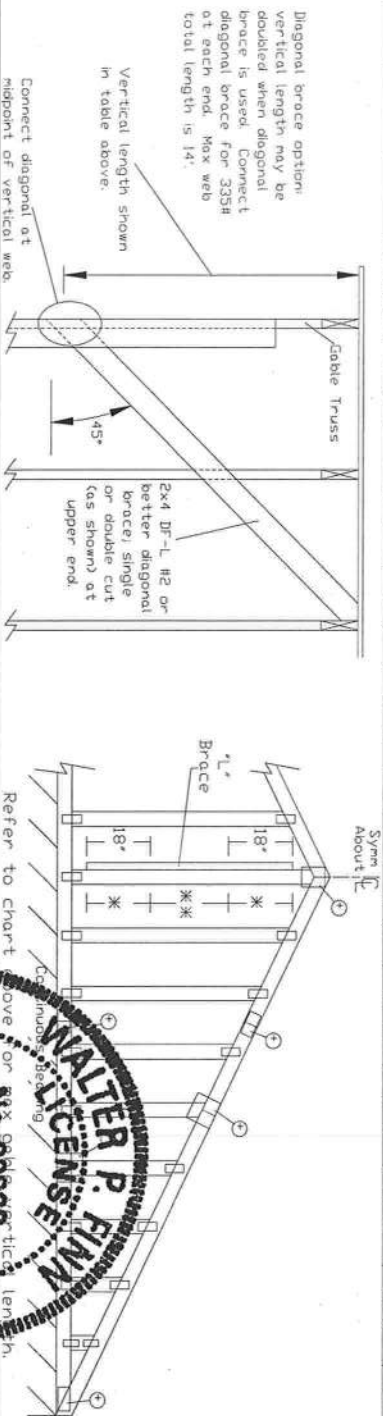
WALTER P. SIMPSON LUS24
Professional Engineer
State of Florida
License No. 22869
Date: 05/22/2012



TC LL	20.0 PSF	REF R487-- 13070
TC DL	7.0 PSF	DATE 05/22/12
BC DL	10.0 PSF	DRW HCUR487 12143041
BC LL	0.0 PSF	HC-ENG TCE/WPF
TOT. LD.	37.0 PSF	SEQN- 96305
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UMB487_202

ASCE 7-10: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00 Dr: 100 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00 Dr: 100 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Gable Vertical Length		2x4		Brace		No		(1) 1x4 1" L" Brace *		(1) 2x4 1" L" Brace *		(2) 2x4 1" L" Brace *		(1) 2x6 1" L" Brace *		(2) 2x6 1" L" Brace *	
Spacing	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
12" o.c.	SPF	#1 / #2	4' 10"	8' 2"	8' 6"	9' 8"	10' 1"	11' 6"	12' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
				7' 9"	8' 3"	9' 7"	9' 11"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
				8' 1"	8' 4"	9' 7"	9' 11"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
				8' 1"	8' 4"	9' 7"	9' 11"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
16" o.c.	SPF	#1 / #2	4' 11"	8' 3"	8' 7"	9' 9"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
				8' 2"	8' 6"	9' 8"	10' 1"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
				8' 2"	8' 6"	9' 8"	10' 1"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
				8' 2"	8' 6"	9' 8"	10' 1"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
24" o.c.	SPF	#1 / #2	4' 7"	6' 11"	7' 4"	8' 4"	8' 0"	8' 6"	8' 0"	8' 6"	10' 10"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
				6' 0"	6' 4"	6' 4"	6' 0"	6' 6"	6' 0"	6' 6"	10' 10"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
				6' 0"	6' 4"	6' 4"	6' 0"	6' 6"	6' 0"	6' 6"	10' 10"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
				6' 0"	6' 4"	6' 4"	6' 0"	6' 6"	6' 0"	6' 6"	10' 10"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"



Bracing Group Species and Grades:		Group A:		Group B:	
Spruce-Pine-Fir	#1 / #2	Standard	Stud	Douglas Fir-Larch	#1 / #2
	#3	Standard	Stud		#3
Douglas Fir-Larch	#1	Standard	Stud	Southern Pine***	#1
	#2	Standard	Stud		#2



Building Components Group Inc.
Earth City, MO 63045

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to the latest edition of BSI Building Component Safety Information, by TPI and VITA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BSI. Trusses shall have a properly attached rigid ceiling. Trusses shall be braced in accordance with the face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions.

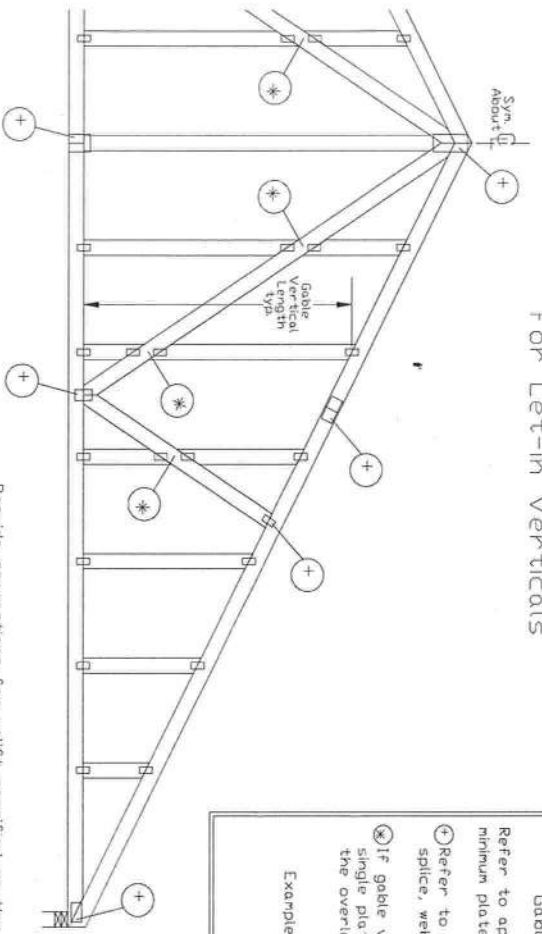
11V Building Components Group Inc. shall not be responsible for any deviation from this drawing or failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing is the responsibility of the building designer per ANSI/TPI 1, Sec. 6.

For more information, visit the following websites:
TPI: www.tpi.org
VITA: www.vita-usa.org
ICC: www.iccsa.org

MAX. TOT. L.D. 60 PSF
MAX. SPACING 24.0"

REF ASCE7-10-GAB12015
DATE 2/14/12
DRWG A12015ENC100212

Gable Detail For Let-in Verticals



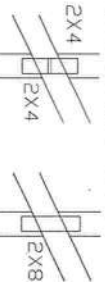
Gable Truss Plate Sizes

Refer to appropriate ITW gable detail for minimum plate sizes for vertical studs.

⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊗ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x 3" min) Nails at 4" o.c. plus

(4) nails in the top and bottom chords.

Toe-nailed Nails:

10d Common (0.148"x 3" min) Toenails at 4" o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate ITW gable detail for ASCE wind load.

ASCE 7-98 Gable Detail Drawings

A13015980109, A12015980109, A10015980109,

A13030980109, A12030980109, A10030980109

ASCE 7-02 Gable Detail Drawings

A13015020109, A12015020109, A10015020109,

A13030020109, A12030020109, A10030020109

ASCE 7-05 Gable Detail Drawings

A13015050109, A12015050109, A10015050109,

A13030050109, A12030050109, A10030050109

ASCE 7-10 Gable Detail Drawings

A11515000000, A12015000000, A14015000000,

A18015000000, A20015000000, A20015000000,

A11530000000, A12030000000, A14030000000,

A18030000000, A20030000000, A20030000000

See appropriate ITW gable detail for maximum unreinforced gable vertical length

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.

'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

'T' Reinf. Mem. Size	'T' Increase
2x6	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

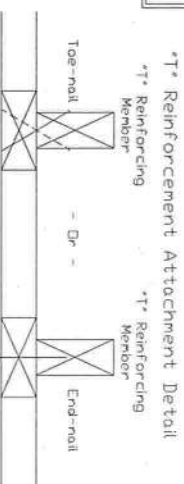
'T' Reinforcing Member Size = 2x4

'T' Brace Increase (from Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length

1.30 x 8' 7" = 11' 2"



Building Components Group Inc.

Earth City, MO 63045

No. 22839

WALTER P. FINN
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA

05/22/2012

MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0"

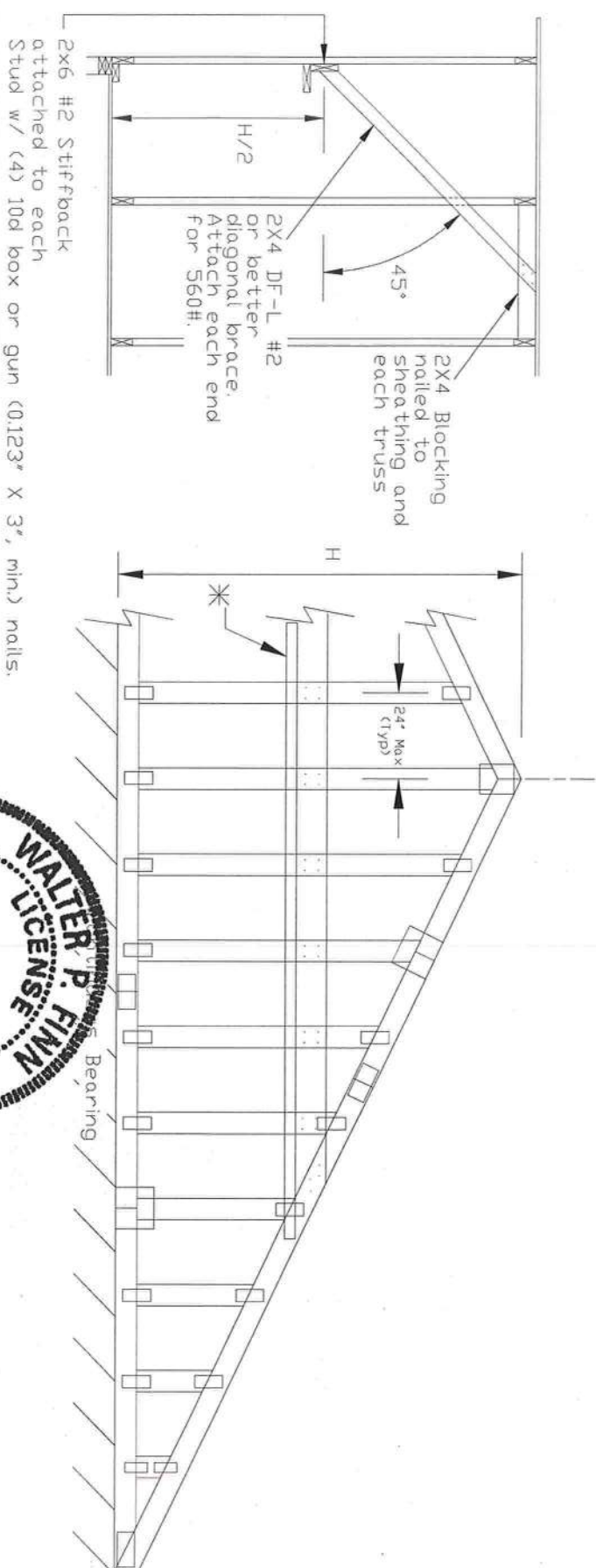
REF LET-IN VERT
DATE 2/16/12
DRWG GBLETT100212

H Less than 4'6" - no stud bracing required

H Greater than 4'6" to 7'6" in length
provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DRWG A12030ENC10).

H Greater than 7'6" to 12'0" max:
provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0" (see detail below or refer to DRWG A12030ENC10).

* Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0.128" x 3", min.) nails @ 6" o.c.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



Building Components Group Inc.

Earth City, MO 63045



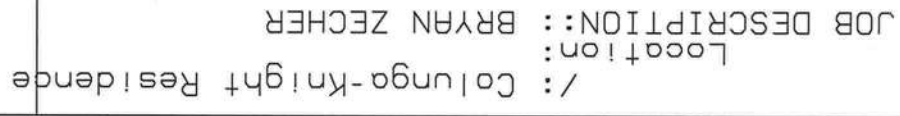
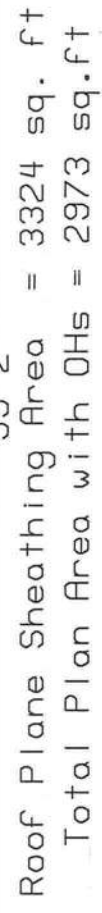
REF	GE WHALER
DATE	2/14/12
DRWG	GABRST100212

MAX. TOT. LD. 60 PSF

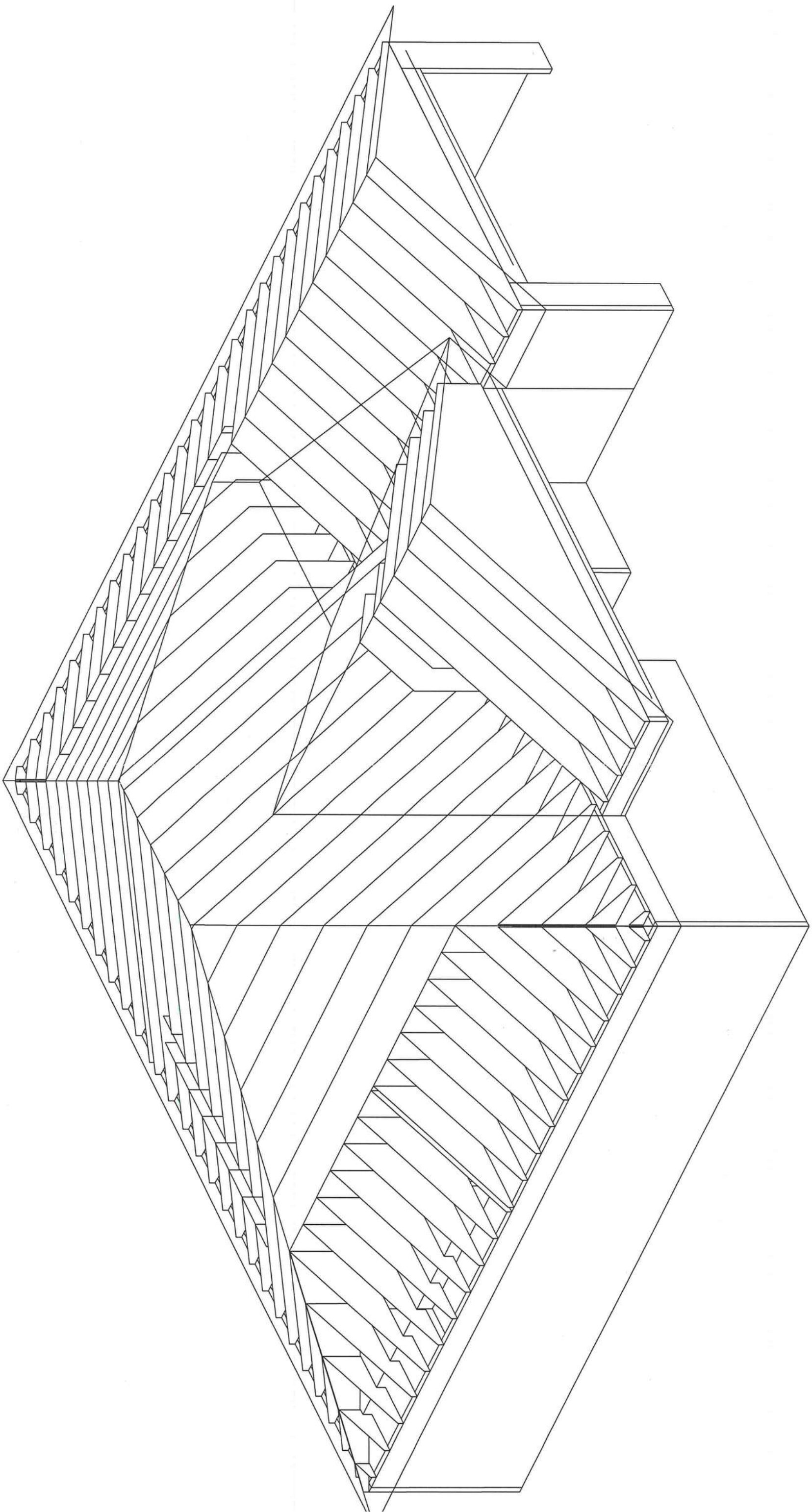
MAX. SPACING

The Jasmine 1130F

The Jasmine 1130F
55'2" —
Total Truss Quantity = 90. 6/12 - 1'4" OH



PAGE NO: 1 OF 1



Notice of Treatment

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

Address: 536 SE Bay Dr.

City: Lake City

Phone: 752-1703

Site Location: Subdivision Preserve @ Laurel Lakes

Lot #: 16

Block#:

Permit #: 30204

Address: 147 S.W. Lotus Glen, Lake City 32024

Product used

Active Ingredient

% Concentration

☒ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☐ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Main

2519

186

160

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

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

6-20-12

Date

1:20

Time

FOBZB.H.

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink