

DATE 02/14/2012

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000029936

APPLICANT MARY A. CRAWFORD PHONE 386.752.5152
ADDRESS 1482 SW COMMERCIAL GLEN LAKE CITY FL 32025
OWNER LARRY WEAVER PHONE
ADDRESS 2360 SW CENTERVILLE AVENUE FT. WHITE FL 32038
CONTRACTOR W. STANLEY CRAWFORD PHONE 386.752.5152
LOCATION OF PROPERTY 47-S TO C-238,TR TO CENTERVILLE,TL AND IT'S 3/10 OF A MILE
ON R.
TYPE DEVELOPMENT DETACHED GARAGE/UTIL ESTIMATED COST OF CONSTRUCTION 12000.00
HEATED FLOOR AREA TOTAL AREA 960.00 HEIGHT 14.11 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC
LAND USE & ZONING A-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 20-6S-16-03898-002 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES 10.00

RG0042896
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING X-12-0012 BLK TC N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: DETACHED GARAGE. NOC ON FILE.

Check # or Cash 3944

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 60.00 CERTIFICATION FEE \$ 4.80 SURCHARGE FEE \$ 4.80
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 144.60
INSPECTORS OFFICE CLERKS OFFICE

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

NORTH CENTRAL FLORIDA

AIR CONDITIONING, INC

Post Office Box 700
High Springs, Florida 32655-0700
Ph (352) 367-2945 Fax (386) 454-4854
Heating & Air Conditioning Commercial Refrigeration

Fax Cover Sheet

DATE: 03-21-12

Attn: Building Permit Specialist

COMPANY NAME: Columbia County Building Dept.

Fax: 386-758-2180

From: Desiree

RE: documentation to attach to permit **29936** & insurance certificate

Number of pages including cover sheet: 13

If you do not receive the amount of pages listed, please call our office.

Message:

PLEASE REVIEW THE ATTACHED.

If I can be of further assistance, please give me a call.

Thank you.

1

This message may contain confidential and/or proprietary information, and is intended for the person/entity to whom it was originally addressed. Any use by others is strictly prohibited.

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 _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name <u>Charles W Fischer II</u> License #: <u>CAC057846</u>	Signature <u>[Signature]</u> Phone #: <u>386-454-4767</u>
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ 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	Subcontractor Printed Name	Subcontractor Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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

Rhvac - Residential & Light Commercial HVAC Loads
 North Central Florida A/C Inc.
 High Springs, FL 32643

Weaver
 Page 1

Project Report

Project Title: Weaver
 Designed By: Chuck Fischer
 Project Date: Tuesday, March 1, 2012
 Client Name: Larry Weaver
 Client Address: 2360 Centerville Ave
 Client City: Ft White FL 32038
 Client Phone: 386-497-1508
 Company Name: North Central Florida Air Conditioning
 Company Representative: Chuck Fischer
 Company Address: P.O Box 700
 Company City: High Springs FL 32643
 Company Phone: 386-454-4767
 Company Fax: 386-454-4854
 Company Comment:

Reference City: Gainesville, Florida
 Building Orientation: Front door faces Northwest
 Daily Temperature Range: Medium
 Latitude: 29 Degrees
 Elevation: 152 ft.
 Altitude Factor: 0.995
 Elevation Sensible Adj. Factor: 1.000
 Elevation Total Adj. Factor: 1.000
 Elevation Heating Adj. Factor: 1.000
 Elevation Heating Adj. Factor: 1.000

	Outdoor Dry Bulb	Outdoor Wet Bulb	Outdoor Rel.Hum	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	33	30.8	80%	n/a	70	n/a
Summer:	92	77	51%	50%	75	52

Total Building Supply CFM:	635	CFM Per Square ft.:	0.662
Square ft. of Room Area:	960	Square ft. Per Ton:	510
Volume (ft³) of Cond. Space:	7,680		

Total Heating Required Including Ventilation Air:	26,887 Btuh	28.887 MBH
Total Sensible Gain:	16,130 Btuh	71 %
Total Latent Gain:	6,477 Btuh	29 %
Total Cooling Required Including Ventilation Air:	22,607 Btuh	1.88 Tons (Based On Sensible + Latent)

Rhvac is an ACCA approved Manual J and Manual D computer program.
 Calculations are performed per ACCA Manual J 8th Edition, Version 2, and ACCA Manual D.
 All computed results are estimates as building use and weather may vary.
 Be sure to select a unit that meets both sensible and latent loads according to the manufacturer's performance data at your design conditions.

Rhvac - Residential & Light Commercial HVAC Loads
North Central Florida A/C Inc.
High Springs, FL 32643

Elite Software Development, Inc.
Weaver
Page 2

Miscellaneous Report

Winter:	33	30.8	80%	n/a	70	n/a
Summer:	92	77	51%	50%	75	51.69

	Main Trunk	Runouts
Calculate:	Yes	Yes
Use Schedule:	Yes	Yes
Roughness Factor:	0.00300	0.01000
Pressure Drop:	0.1000 in.wg./100 ft.	0.1000 in.wg./100 ft.
Minimum Velocity:	650 ft./min	450 ft./min
Maximum Velocity:	900 ft./min	750 ft./min
Minimum Height:	14 in.	0 in.
Maximum Height:	20 in.	0 in.

	Winter	Summer
Infiltration Specified:	0.160 AC/hr 20 CFM	0.080 AC/hr 10 CFM
Infiltration Actual:	0.000 AC/hr	0.000 AC/hr
Above Grade Volume:	X 7.680 Cu.ft. 0 Cu.ft./hr	X 7.680 Cu.ft. 0 Cu.ft./hr
	X 0.0167	X 0.0167
Total Building Infiltration:	0 CFM	0 CFM
Total Building Ventilation:	120 CFM	120 CFM

---System 1---

Infiltration & Ventilation Sensible Gain Multiplier: 18.60 = (1.10 X 0.995 X 17.00 Summer Temp. Difference)
 Infiltration & Ventilation Latent Gain Multiplier: 34.96 = (0.68 X 0.995 X 51.69 Grains Difference)
 Infiltration & Ventilation Sensible Loss Multiplier: 40.48 = (1.10 X 0.995 X 37.00 Winter Temp. Difference)
 Winter Infiltration Specified: 0.160 AC/hr (20 CFM), Construction: Tight
 Summer Infiltration Specified: 0.080 AC/hr (10 CFM), Construction: Tight

1	Supply	Main	Attic	16B	0.12	6	530	No
1	Return	Main	Attic	16B	0.24	6	98	No

Load Preview Report

Scope	Net Ton	ft. ² /Ton	Area	Sens Gain	Lat Gain	Net Gain	Sens Loss	Sys Htg CFM	Sys Clg CFM	Sys Actl CFM	Duct Size
Building	1.88	510	960	16,130	6,477	22,607	28,887	314	635	635	
System 1	1.88	510	960	16,130	6,477	22,607	28,887	314	635	635	8x14
Ventilation				2,232	4,195	6,427	4,857				
Duct Latent					2,052	2,052					
Zone 1			960	13,898	230	14,128	24,030	314	635	635	9x14
1-Entire BLDG			960	13,898	230	14,128	24,030	314	635	635	4-8

Duct Size Preview

Room or Duct Name	Source	Minimum Velocity	Maximum Velocity	Rough. Factor	Design L/100	SP Loss	Duct Velocity	Duct Length	Htg Flow	Clg Flow	Act. Flow	Duct Size
System 1												
Supply Runouts												
Zone 1												
1-Entire BLDG	Built-In	450	750	0	0.1		455		314		635	4-8
Other Ducts in System 1												
Supply Main Trunk	Built-In	650	900	0	0.1		726		314		635	9x14

Summary

System 1
Heating Flow: 314
Cooling Flow: 635

Rhvac - Residential & Light Commercial HVAC Loads
North Central Florida Air Conditioning
High Springs, FL 32643

Elite Software Development, Inc.
Weaver
Page 5

Total Building Summary Loads

1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.23, outdoor insect screen with 50% coverage, dark color blinds at 45° with 50% coverage, external shade screen coefficient of 0.45 and 50% coverage, u-value 0.65, SHGC 0.67	45	1,083	0	1,134	1,134
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.23, outdoor insect screen with 50% coverage, dark color blinds at 45° with 50% coverage, external shade screen coefficient of 0.45 and 100% coverage, u-value 0.65, SHGC 0.67	60	1,444	0	1,767	1,767
10B-m: Glazing-French door, double pane clear glass, metal frame no break, ground reflectance = 0.23, dark color blinds at 45° with 50% coverage, u-value 1.45, SHGC 0.47	40.8	2,188	0	1,248	1,248
11P: Door-Polyurethane Core	20.4	219	0	166	166
12C-3sw: Wall-Frame, R-13 Insulation in 2 x 4 stud cavity, R-3 board insulation, siding finish, wood studs	857.8	2,381	0	1,248	1,248
16C-30: Roof/Ceiling-Under Attic with Insulation on Attic Floor (also use for Knee Walls and Partition Ceilings), Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	960	1,137	0	1,290	1,290
22A-pm: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy dry or light wet soil	128	5,588	0	0	0
Subtotals for structure:		14,040	0	6,853	6,853
People:	1		230	300	530
Equipment:			0	0	0
Lighting:	0			0	0
Ductwork:		9,990	2,052	6,745	8,798
Infiltration: Winter CFM: 0, Summer CFM: 0		0	0	0	0
Ventilation: Winter CFM: 120, Summer CFM: 120		4,857	4,195	2,232	6,427
Total Building Load Totals:		28,887	6,477	16,130	22,607

Total Building Supply CFM:	635	CFM Per Square ft.:	0.662
Square ft. of Room Area:	960	Square ft. Per Ton:	510
Volume (ft³) of Cond. Space:	7,680		

Total Heating Required Including Ventilation Air:	28,887 Btuh	28.887 MBH
Total Sensible Gain:	16,130 Btuh	71 %
Total Latent Gain:	6,477 Btuh	29 %
Total Cooling Required Including Ventilation Air:	22,607 Btuh	1.88 Tons (Based On Sensible + Latent)

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Be sure to select a unit that meets both sensible and latent loads according to the manufacturer's performance data at your design conditions.

Rhvac - Residential & Light Commercial HVAC Loads
North Central Florida, Inc.
High Springs, FL 32643

Elite Software Development, Inc.
Weaver
Page 8

System 1 Main Floor Summary Loads

1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.23, outdoor insect screen with 50% coverage, dark color blinds at 45° with 50% coverage, external shade screen coefficient of 0.45 and 50% coverage, u-value 0.65, SHGC 0.67	45	1,083	0	1,134	1,134
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.23, outdoor insect screen with 50% coverage, dark color blinds at 45° with 50% coverage, external shade screen coefficient of 0.45 and 100% coverage, u-value 0.65, SHGC 0.67	60	1,444	0	1,767	1,767
10B-m: Glazing-French door, double pane clear glass, metal frame no break, ground reflectance = 0.23, dark color blinds at 45° with 50% coverage, u-value 1.45, SHGC 0.47	40.8	2,188	0	1,248	1,248
11P: Door-Polyurethane Core	20.4	219	0	166	166
12C-3sw: Wall-Frame, R-13 insulation in 2 x 4 stud cavity, R-3 board insulation, siding finish, wood studs	857.8	2,381	0	1,248	1,248
16C-30: Roof/Ceiling-Under Attic with Insulation on Attic Floor (also use for Knee Walls and Partition Ceilings), Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	960	1,137	0	1,290	1,290
22A-pm: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy dry or light wet soil	128	5,588	0	0	0
Subtotals for structure:		14,040	0	6,853	6,853
People:	1		230	300	530
Equipment:			0	0	0
Lighting:	0			0	0
Ductwork:		9,990	2,052	6,745	8,798
Infiltration: Winter CFM: 0, Summer CFM: 0		0	0	0	0
Ventilation: Winter CFM: 120, Summer CFM: 120		4,857	4,195	2,232	6,427
System 1 Main Floor Load Totals:		28,887	6,477	16,130	22,607

Supply CFM:	635	CFM Per Square ft.:	0.662
Square ft. of Room Area:	960	Square ft. Per Ton:	510
Volume (ft³) of Cond. Space:	7,680		

Total Heating Required Including Ventilation Air:	28,887 Btuh	28.887 MBH
Total Sensible Gain:	16,130 Btuh	71 %
Total Latent Gain:	6,477 Btuh	29 %
Total Cooling Required Including Ventilation Air:	22,607 Btuh	1.88 Tons (Based On Sensible + Latent)

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Be sure to select a unit that meets both sensible and latent loads according to the manufacturer's performance data at your design conditions.

Rhvac - Residential - Elite Software\Rhvac 9 Projects\weaver larry.rh9

North Central Florida A/C, Inc.

High Springs, FL 32645

Weaver

Page 7

Equipment Data - System 1 - Main Floor

Cooling

System Type: Air Source Heat Pump
 Outdoor Model: SSZ140181A*
 Indoor Model: ASPF183016C*+TXV
 Tradename: GOODMAN, JANITROL, AMANA DISTINCTIONS, EVERREST, ONE HOUR AIR
 CONDITIONING AND HEATING, ENERGI AIR
 Outdoor Manufacturer: GOODMAN MANUFACTURING CO., LP.
 Description: Air Source Heat Pump
 AHRI Reference No.: 4248587
 Nominal Capacity: 19000
 Efficiency: 15 SEER

Heating

System Type: Air Source Heat Pump
 Model: SSZ140181A*
 Tradename: GOODMAN, JANITROL, AMANA DISTINCTIONS, EVERREST, ONE HOUR AIR
 CONDITIONING AND HEATING, ENERGI AIR
 Manufacturer: GOODMAN MANUFACTURING CO., LP.
 Description: Air Source Heat Pump
 Capacity: 18000
 Efficiency: 8.6 HSPF

Rhvac - Residential & Light Commercial HVAC Loads
 North Central Florida Air Inc
 High Springs, FL 32643

Weaver
 Page 6

System 1 Room Load Summary

---Zone 1---

1 Entire BLDG	960	24,030	314	4-8	455	13,898	230	635	635
Ventilation		4,857				2,232	4,195		
Duct Latent							2,052		
System 1 total	960	28,887	314			16,130	6,477	635	635

System 1 Main Trunk Size: 9x14 in.
 Velocity: 726 ft./min
 Loss per 100 ft.: 0.105 in.wg

Net Required:	1.88	71% / 29%	16,130	6,477	22,607
Actual:	1.58	75% / 25%	14,250	4,750	19,000

	Heating System	Cooling System
Type:	Air Source Heat Pump	Air Source Heat Pump
Model:	SSZ140181A*	SSZ140181A*
Indoor Model:		ASPF183016C*+TXV
Brand:	GOODMAN, JANITROL, AMANA DISTINCTIONS, EVERREST, ONE HOUR AIR CONDITIONING AND HEATING, ENERGI AIR	GOODMAN, JANITROL, AMANA DISTINCTIONS, EVERREST, ONE HOUR AIR CONDITIONING AND HEATING, ENERGI AIR
Description:	Air Source Heat Pump	Air Source Heat Pump
Efficiency:	8.6 HSPF	16 SEER
Sound:	0	0
Capacity:	18,000 Btuh	19,000 Btuh
Sensible Capacity:	n/a	14,250 Btuh
Latent Capacity:	n/a	4,750 Btuh
AHRI Reference No.:	n/a	4248587

Building Rotation Report

All rotation degree values in this report are clockwise with respect to the project's original orientation.
Building orientation as entered (zero degrees rotation): Front door faces Northwest

System 1:

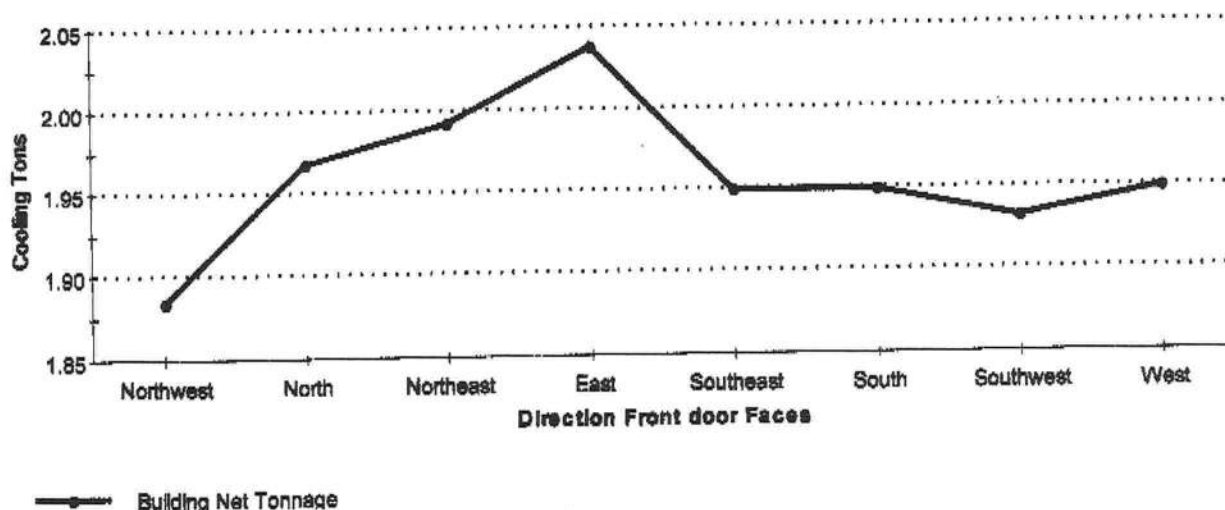
Zone 1:		635	679	692	*718	669	669	660	669	4-8
1 Entire BLDG										

* Indicates highest CFM of all rotations.

0°	Northwest	635	16,130	6,477	1.88
45°	North	679	17,093	*6,520	1.97
90°	Northeast	692	17,381	6,515	1.99
135°	East	*718	*17,931	6,515	*2.04
180°	Southeast	669	16,870	6,517	1.95
225°	South	669	16,871	6,516	1.95
270°	Southwest	660	16,678	6,493	1.93
315°	West	669	16,872	6,515	1.95

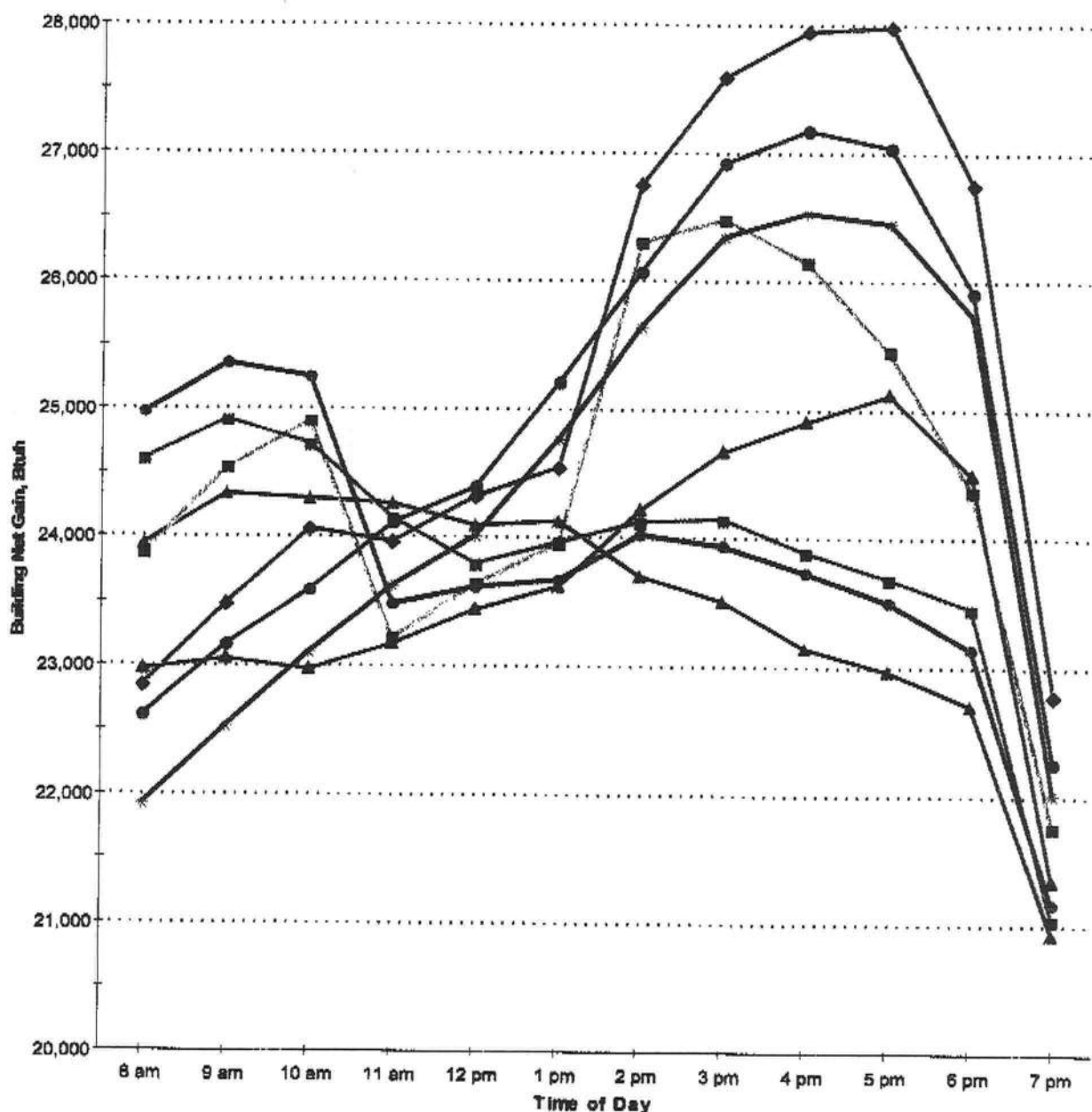
* Indicates highest value of all rotations.

Building Rotation Tonnage



Building Rotation Report (cont'd)

Building Rotation Hourly Net Gain



- Front door faces Northwest
- Front door faces North
- Front door faces Northeast
- Front door faces East
- Front door faces Southeast
- Front door faces South
- Front door faces Southwest
- Front door faces West

Columbia County Building Permit Application

For Office Use Only		Application # <u>1262-16</u>	Date Received <u>2/8/12</u>	By <u>LA</u>	Permit # <u>29936</u>
Zoning Official _____	Date <u>14 FEB. 2012</u>	Flood Zone <u>X</u>	Land Use <u>A-3</u>	Zoning <u>A-3</u>	
FEMA Map # <u>N/A</u>	Elevation <u>N/A</u>	MFE <u>N/A</u>	River <u>N/A</u>	Plans Examiner <u>T.C.</u>	Date <u>2-14-12</u>
Comments _____					
☒ NOC	☒ EH	☒ Deed or PA	☒ Site Plan	☒ State Road Info	☐ Well letter
☐ Dev Permit # _____	☐ In Floodway	☐ Letter of Auth. from Contractor	☐ F W Comp. letter	☒ Sub VF Form	☐ Parent Parcel # _____
IMPACT FEES: EMS _____ Fire _____ Corr _____			= TOTAL (Suspended) _____		
Road/Code _____ School _____			App Fee Paid _____		

Septic Permit No. X12-0012 *Relax in box.* Fax 386-755-2165

Name Authorized Person Signing Permit Mary Ann Crawford Phone 386-752-5152

Address 1482 SW Commercial Glen, Lake City, FL 32025

Owners Name Larry Weaver Phone _____

911 Address 2360 SW Centerville Ave, Ft White, FL 32038

Contractors Name Stanley Crawford Phone 386-752-5152

Address 1482 SW Commercial Glen, Lake City, FL 32025

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Mark Disoway

Mortgage Lenders Name & Address N/A

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

Property ID Number 20-65-16-03898-002 Estimated Cost of Construction 12,000

Subdivision Name N/A Lot _____ Block _____ Unit _____ Phase _____

Driving Directions 47 S to 238 R 8/10 mile L on

Centerville 3/10 mile R at mailbox 2360

Weaver Number of Existing Dwellings on Property 1

Construction of Shop Detached Garage Total Acreage 10 Lot Size _____

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 14' 11"

Actual Distance of Structure from Property Lines - Front 1690 Side 30 Side 260 Rear 600

Number of Stories 1 Heated Floor Area 960 Total Floor Area 960 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. **CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.** Page 1 of 2 (Both Pages must be submitted together.) Revised 1-11

Two spoke w/ 5x6 wds. 2/14/12

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

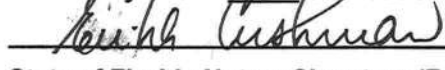
****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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

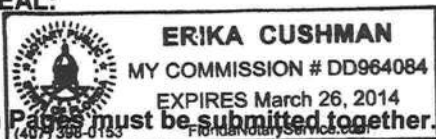

Contractor's Signature (Permitee)

Contractor's License Number RG0042896
Columbia County
Competency Card Number #64

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 8th day of February 2012.
Personally known or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:



Page 2 of 2 (Both Pages must be submitted together.)

Revised 1-11

Columbia County Property Appraiser

DB Last Updated: 1/17/2012

2011 Tax Year**Parcel:** 20-6S-16-03898-002

<< Next Lower Parcel Next Higher Parcel >>

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

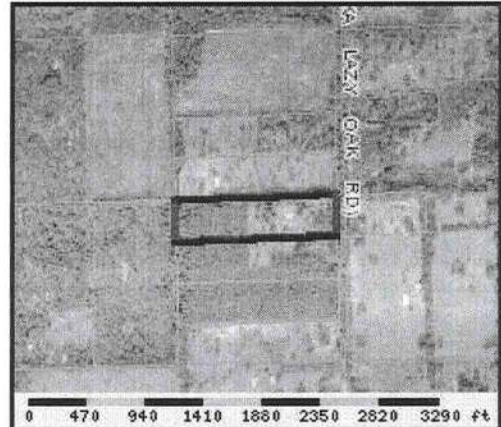
Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	WEAVER LARRY & JOAN MARTIN		
Mailing Address	2360 SW CENTERVILLE AVE FT WHITE, FL 32038		
Site Address	2360 SW CENTERVILLE AVE		
Use Desc. (code)	IMPROVED A (005000)		
Tax District	3 (County)	Neighborhood	20616
Land Area	10.000 ACRES	Market Area	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		
N1/2 OF N1/2 OF SE1/4 OF NE1/4. ORB 499-691			

**Property & Assessment Values**

2011 Certified Values		
Mkt Land Value	cnt: (1)	\$11,400.00
Ag Land Value	cnt: (2)	\$1,800.00
Building Value	cnt: (1)	\$13,076.00
XFOB Value	cnt: (5)	\$4,184.00
Total Appraised Value		\$30,460.00
Just Value		\$70,732.00
Class Value		\$30,460.00
Assessed Value		\$27,958.00
Exempt Value	(code: HX)	\$25,000.00
Total Taxable Value		Cnty: \$2,958 Other: \$2,958 Schl: \$2,958

2012 Working Values**NOTE:**

2012 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Show Working Values

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
10/1/1982	499/691	WD	V	Q		\$20,000.00

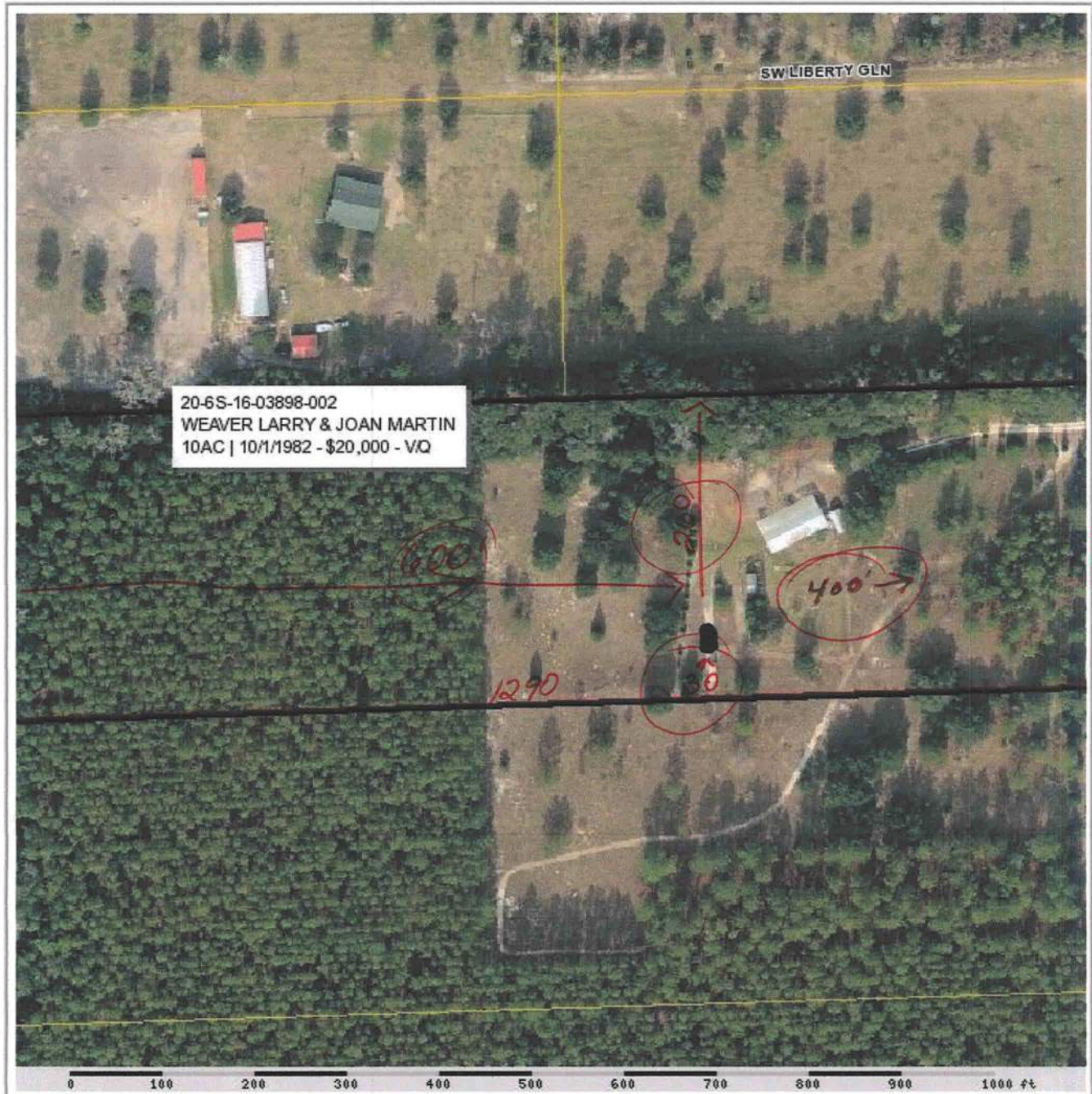
Building Characteristics*No Record Found on clerks website*

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	MOBILE HME (000800)	1986	WD ON PLY (08)	1440	2180	\$11,922.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0294	SHED WOOD/	0	\$400.00	0000001.000	0 x 0 x 0	(000.00)
0166	CONC,PAVMT	1993	\$128.00	0000160.000	10 x 16 x 0	AP (060.00)
0294	SHED WOOD/	1993	\$1,512.00	0000288.000	12 x 24 x 0	AP (030.00)
0294	SHED WOOD/	1993	\$1,344.00	0000256.000	16 x 16 x 0	AP (030.00)
0120	CLFENCE 4	2008	\$800.00	0000001.000	0 x 0 x 0	(000.00)

Land Breakdown



Columbia County Property Appraiser J. Doyle Crews - Lake City, Florida 32055 386-758-1083			
PARCEL: 20-6S-16-03898-002 - IMPROVED A (005000)			NOTES:
N1/2 OF N1/2 OF SE1/4 OF NE1/4. ORB 499-691			
2011 Certified Values			
Name: WEAVER LARRY & JOAN MARTIN	Land \$11,400.00		
Site: 2360 SW CENTERVILLE AVE	Bldg \$13,076.00		
Mail: 2360 SW CENTERVILLE AVE	Assd \$27,958.00		
FT WHITE, FL 32038	Exmpt \$25,000.00		
Sales Info 10/1/1982 \$20,000.00 V / Q	Cnty: \$2,958		
	Taxbl Other: \$2,958 Schl: \$2,958		
This information, GIS Map Updated: 1/17/2012, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.			
		powered by: GrizzlyLogic.com	

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1202-16 CONTRACTOR Stanley Crawford PHONE 752-5152
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 380	Print Name <u>Donald R. Davis</u> License #: <u>EC 006 2306</u>	Signature <u>Donald R. Davis</u> Phone #: <u>386 623 9499</u>
☒ MECHANICAL/ A/C	Print Name <u>Clinton L. Davis</u> License #: <u>CAC057886</u>	Signature <u>Clinton L. Davis</u> Phone #: <u>386 751 7905</u>
☒ PLUMBING/ GAS	Print Name <u>Joseph A. Davis</u> License #: <u>CECO 57204</u>	Signature <u>Joseph A. Davis</u> Phone #: <u>386 751 7905</u>
☒ ROOFING →	Print Name <u>Stanley Crawford</u> License #: <u>000064</u>	Signature <u>Stanley Crawford</u> Phone #: <u>386 752-5152</u>
☐ SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
☐ FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
☐ SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractor Printed Name	Sub-Contractor Signature
☒ MASON	<u>000712</u>	<u>Colin Gary Masonary</u>	<u>Colin Gary</u>
☒ CONCRETE FINISHER	<u>218</u>	<u>Jordan Concrete</u>	<u>Jordan</u>
☒ FRAMING 64	<u>CC0012896</u>	<u>Stanley Crawford</u>	<u>Stanley Crawford</u>
☒ INSULATION	<u>000741</u>	<u>SunCoast Insulators</u>	<u>Patricia Bowen</u>
☐ STUCCO	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
☐ DRYWALL	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
☒ PLASTER	<u>CC0042896</u>	<u>Stanley Crawford</u>	<u>Stanley Crawford</u>
☒ CABINET INSTALLER	<u>00064</u>	<u>Stanley Crawford Const</u>	<u>Stanley Crawford</u>
☒ PAINTING	<u>00064</u>	<u>Stanley Crawford Const</u>	<u>Stanley Crawford</u>
☐ ACOUSTICAL CEILING	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
☒ GLASS	<u>618</u>	<u>Lake City Glass</u>	<u>Lake City Glass</u>
☒ CERAMIC TILE	<u>CC0042896</u>	<u>Stanley Crawford</u>	<u>Stanley Crawford</u>
☒ FLOOR COVERING	<u>CC0042896</u>	<u>Stanley Crawford</u>	<u>Stanley Crawford</u>
☒ ALUM/VINYL SIDING	<u>000312</u>	<u>Columbia Exteriors</u>	<u>Paul Ruiz</u>
☒ GARAGE DOOR	<u>00064</u>	<u>Lake City Glass</u>	<u>Lake City Glass</u>
☐ METAL BLDG ERECTOR	<u>N/A</u>	<u>N/A</u>	<u>N/A</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.

Contractor Form: Subcontractor Form: 6/05

STATE OF FLORIDA
COUNTY OF Columbia

TAX NO: 20-6S-16-03898-002

This instrument was Prepared By:
Stanley Crawford Construction, Inc.
1482 S.W. Commercial Glen
Lake City, Florida 32025

NOTICE OF COMMENCEMENT

The undersigned hereby gives notice that improvement will be made to certain real Property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

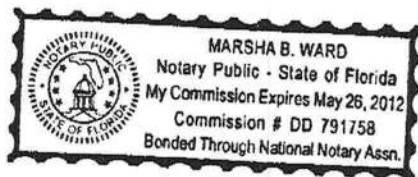
1. Description of property: N1/2 of N1/2 of SE1/4 of NE1/4. ORB 499-691
2. General description of improvement: Detached Shop
3. Owner Name & Address: Larry or Joan Weaver
2360 Centerville Ave
Ft. White, FL 32038
4. Interest in property: Fee Simple
5. Name and address of fee simple title holder (if other than owner): NONE
6. Contractor: Stanley Crawford Construction, Inc
1482 SW Commercial Glen
Lake City, Florida 32025
7. Surety N/A
 - a. Name and address:
 - b. Amount of bond:
8. Lender: N/A
9. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes : NONE
10. In addition to himself, Owner designates _____
_____ to receive a copy of the Lienor's
Notice as provided in section 713.13 (1) (b), Florida Statutes.
11. Expiration date of notice of commencement (the expiration date is 1 year from
The date of recording unless a different date is specified).

Joan Weaver

The foregoing instrument was acknowledged before me this 10 day of
Feb., 2012 by Joan Weaver,
who are personally known to me and who did not take an oath.

Marsh B Ward
Notary Public

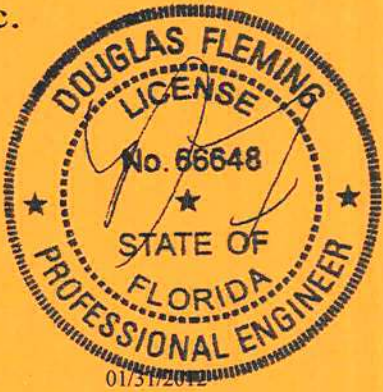
May 26, 2012
My Commission Expires



Inst. 201212002307 Date: 2/14/2012 Time: 2:02 PM
DC, P DeWitt Cason, Columbia County Page 1 of 1 B: 1229 P: 2154

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:1UJ7487-Z0131131712



Truss Fabricator: Anderson Truss Company
Job Identification: 12-019--Fill in later STANLEY CRAWFORD/WEAVER -- , **
Truss Count: 6
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(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 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

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

Douglas Fleming
-Truss Design Engineer-

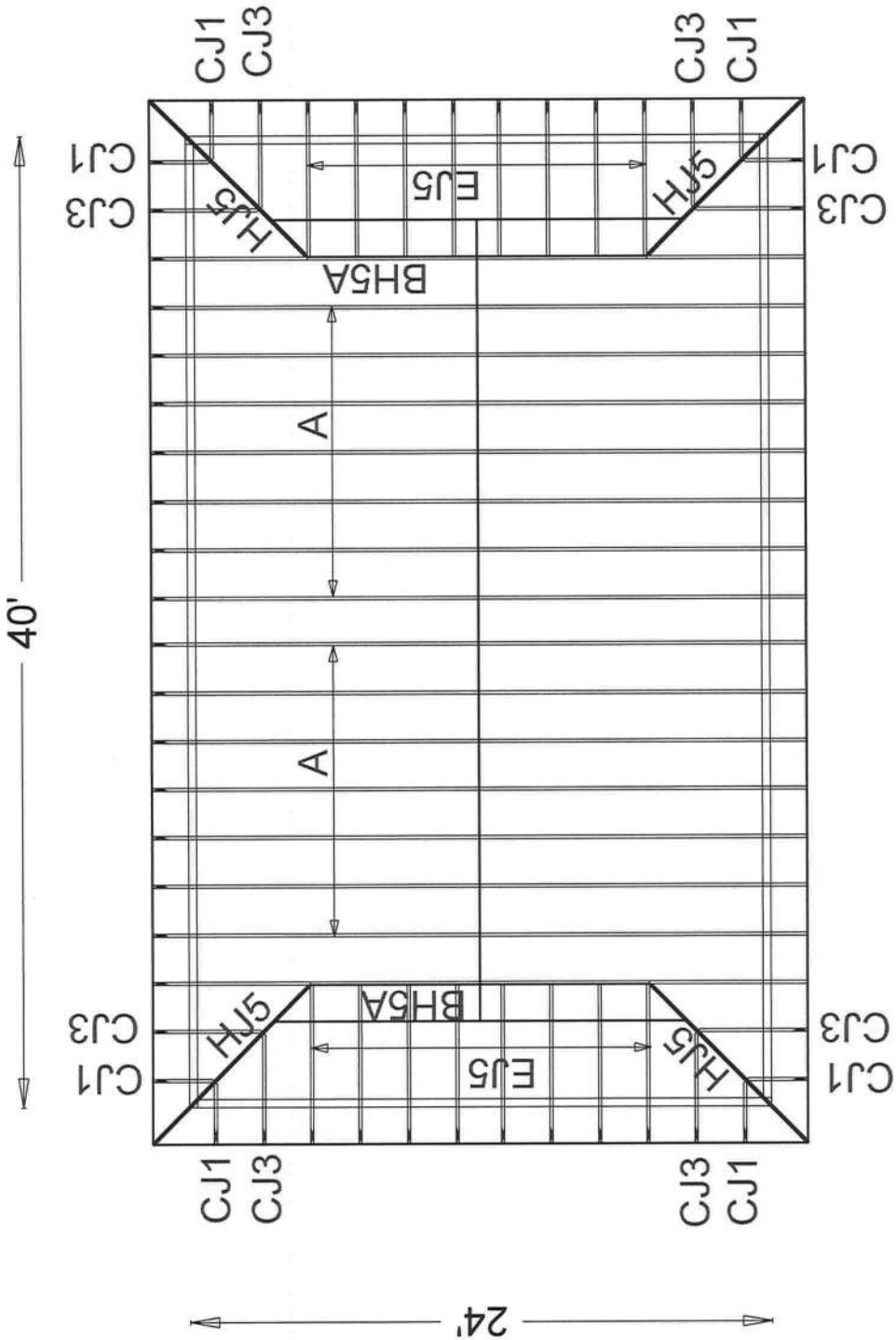
1950 Marley Drive
Haines City, FL 33844

Details: A1101505-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	85075--A		12031001	01/31/12
2	85076--BH5A		12031003	01/31/12
3	85077--CJ1		12031004	01/31/12
4	85078--CJ3		12031002	01/31/12
5	85079--HJ5		12031005	01/31/12
6	85080--EJ5		12031006	01/31/12



Roof Plane Sheathing Area = 1350 sq. ft



STANLEY CRAWFORD/ WEAVER

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.0$ GCPI (+/-)=0.18

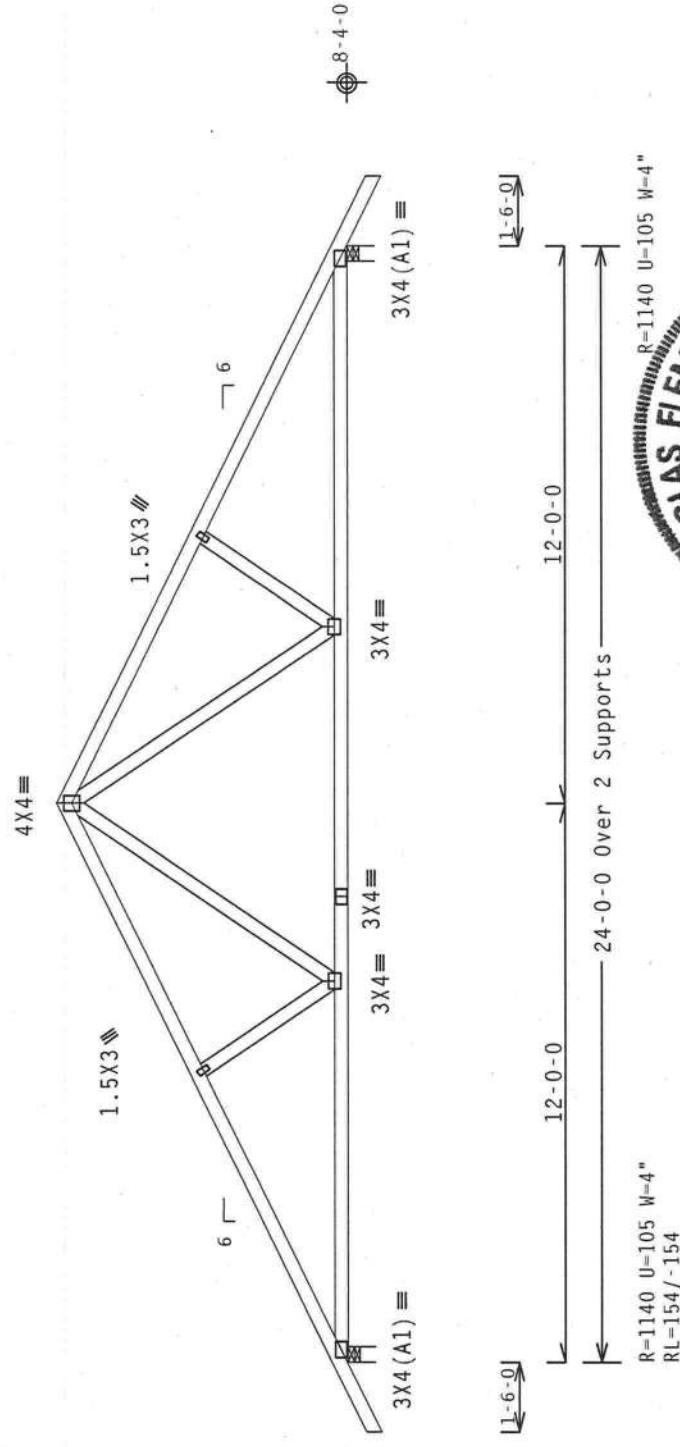
Roof overhang supports 2.00 psf soffit load.

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

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

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

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



PLT TYP. Wave

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

Scale = .25"/Ft.

****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. For all trusses, the BC51 (Bolted Chord) installation and bracing practices prior to performing these functions. Installers shall provide temporary bracing post-chord unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom post-chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint web 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 these general notes. 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. Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the drawing indicates cover plate lifting and shipping. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicasafe.com; ICC: www.iccsafe.org

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

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

JREJ - 1UJ7487_Z01

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

Roof overhang supports 2.00 psf soffit load.

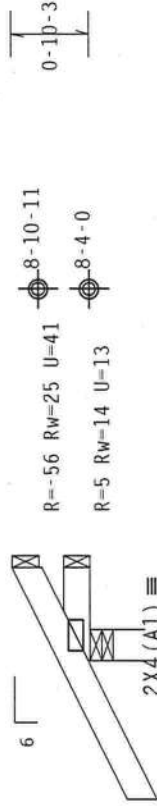
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT I, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 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.



1-6-0-1
1-0-0 over 3 Supports

R=254 U=49 W=4"
RI=28/-22

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

PLT TYP. Wave

Scale = .5"/Ft.

ALPINE

nW Building Components Group Inc.

Haines City, FL 33844

TEL: 800.270.2782

REF	R487 --	85077			
DATE	01/31/12				
DRW	HCUSR487	12031004			
HC-ENG	JB/DF				
SEQN-	266787				

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

****WARNING**** 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. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached and braced. All trusses shall be braced. Unless noted otherwise, all trusses shall be installed as shown for permanent lateral restraint of web. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (IITBCG) shall not be responsible for any deviation from any IITBCG drawing or the truss in accordance with ANSI/PPI 1 or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Order Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal over 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/PPI 1 Sec.2. For more information see: This Job Order and general notes page. IITBCG: www.iitbcg.com; IPI: www.ipi.com; NICA: www.nicaindustry.com;

No. 06648

★

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

01/31/2012

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

Roof overhang supports 2.00 psf soffit load.

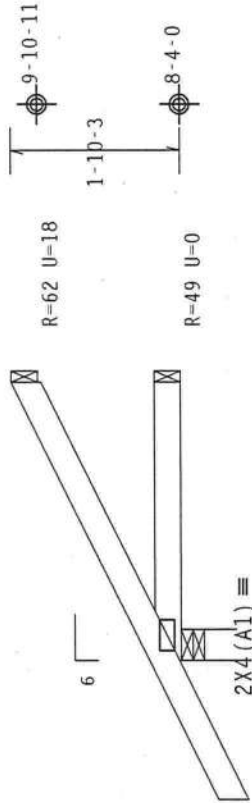
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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



1'-6-0
3'-0-0 Over 3 Supports

R-262 U=26 W=4"
RL=52/-27

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

PLT TYP. Wave

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

Scale =.5"/Ft.

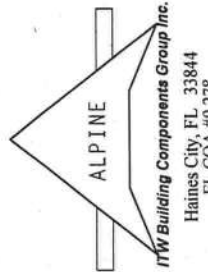
TC LL	20.0 PSF	REF	R487--	85078
TC DL	10.0 PSF	DATE	01/31/12	
BC DL	10.0 PSF	DRW	HCUSR487	12031002
BC LL	0.0 PSF	HC-ENG	JB/DF	*
TOT.LD.	40.0 PSF	SEQN	266790	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1UJ7487_Z01	



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

****WARNING****
READ AND FOLLOW ALL NOTES ON THIS SHEET.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by FPI and WTC) for details and practices. All trusses shall be braced in accordance with the BCSI Manual for Truss Bracing. The bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses 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 any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, the suitability and use of this design for any structure is the responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer. ITWBCG: www.itwbcg.com; FPI: www.fpi.net; TPI: www.tpinet.org; WTC: www.wtcindustry.com; ICC: www.iccsafe.org



(12-019--Fill in later STANLEY CRAWFORD/WEAVER --, ** - HJ5)

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

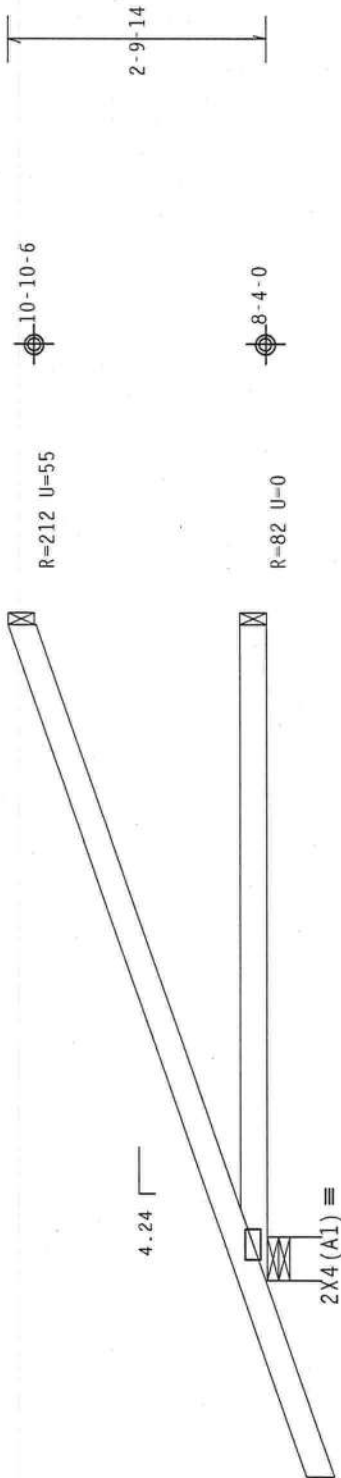
Hipjack supports 5-0-0 setback jacks with no webs.

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

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

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

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



2-1-7
7-0-14 Over 3 Supports
R=307 U=42 W=5.657"

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

PLT TYP. Wave

FL/-4/-/-R/-

Scale =.5"/Ft.

 ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		10.08.04/0601.16 QTY 4		REF R487-- 85079		
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by IPI and ITC for proper installation and bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.		TC LL 20.0 PSF		DATE 01/31/12		
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on drawing or cover page listing this design shown, the ANSI/TPI 1, and use of this design for any structure is the responsibility of the user. ITWBCG, IPI, www.itwbcg.com; IPI: www.tpinet.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org		TC DL 10.0 PSF		DRW HCUSR487 12031005		
			BC DL 10.0 PSF		HC-ENG JB/DF		
			BC LL 0.0 PSF		SEQN- 266793		
			TOT.LD. 40.0 PSF		JREF- 1UJ7487_Z01		
						DUR.FAC. 1.25	
						SPACING 24.0"	

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

Roof overhang supports 2.00 psf soffit load.

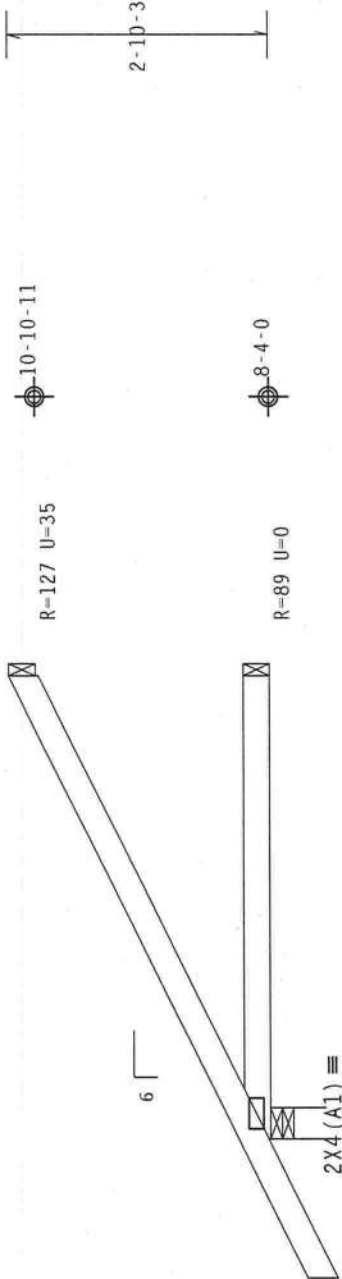
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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



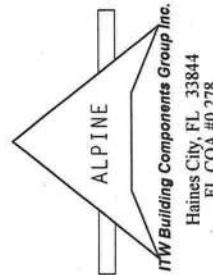
1-6-0
5-0-0 Over 3 Supports
R=331 U=24 W=4"
RL=75/-32

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

PLT TYP. Wave



TC LL	20.0 PSF	REF	R487--	85080
TC DL	10.0 PSF	DATE	01/31/12	
BC DL	10.0 PSF	DRW	HCUSR487	12031006
BC LL	0.0 PSF	HC-ENG	JB/DF	
TOT.LD.	40.0 PSF	SEQN-	266796	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UJ7487_Z01	



****IMPORTANT****
READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the literature edition of the ITW Building Components Group Inc. (ITWBCG) for details and instructions for installing and bracing these trusses. Trusses shall be installed in accordance with the ITWBCG literature. 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 BCIS sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Jointing Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering 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; NICA: www.nicaindustry.com; ICC: www.iccsafe.org

GABLE STUD REINFORCEMENT DETAIL

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

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

BRACING GROUP SPECIES AND GRADES:			
GROUP A:			
SPRUCE-PINE-FIR	HEM-FIR		
#1 / #2	STUD	#2	STUD
STANDARD	STANDARD	#3	STANDARD
GROUP B:			
DOUGLAS FIR-LARCH	SOUTHERN PINE		
#3	STUD	#3	STUD
STANDARD	STANDARD		

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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

ATTACH EACH 'L' BRACE WITH 10d NAILS.

* FOR 12' 'L' BRACE: SPACE NAILS AT 2' DC.

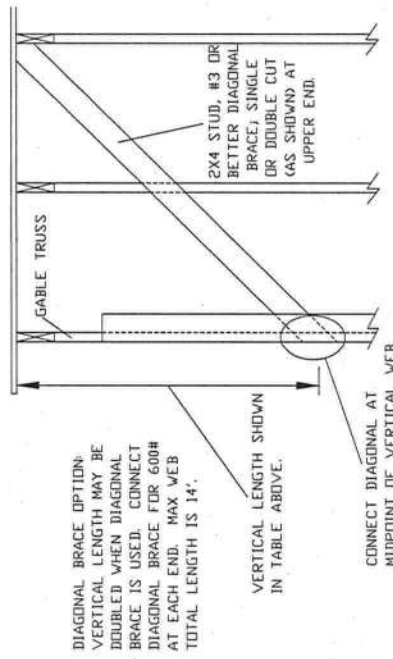
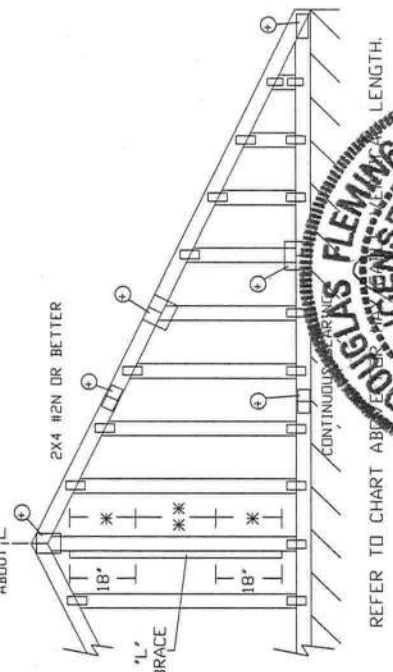
IN 18' END ZONES AND 4' DC. BETWEEN ZONES.

*#2 DR (2) 'L' BRACES: SPACE NAILS AT 3' DC.

IN 18' END ZONES AND 6' DC. BETWEEN ZONES.

'L' BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH	NO SPLICE		
LESS THAN 4' 0"	1X4 DR 2X3		
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	25X4		
GREATER THAN 11' 6"	3X4		
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.			



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to ITV-BCCG Building Component Safety Information, by ITI and VITA for safety practices prior to installing. The truss manufacturer shall be responsible for providing the truss with the proper bracing and bracing details. The truss manufacturer shall be responsible for providing the truss with the proper bracing and bracing details. The truss manufacturer shall be responsible for providing the truss with the proper bracing and bracing details.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

ITV-BCCG Building Component Safety Information, by ITI and VITA for safety practices prior to installing & bracing of trusses. ITV-BCCG connector plates are made of 2018/16GA (W/H/S/K) ASME grade 37/40/60 (K/M/H/S) galv. steel. Apply plates to each face of truss, positioned as shown in and on Joint Details.

As used on this drawing or cover page indicates acceptance and professional engineering responsibility of the Building Designer. The Building Designer shall be responsible for the design and construction of the building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

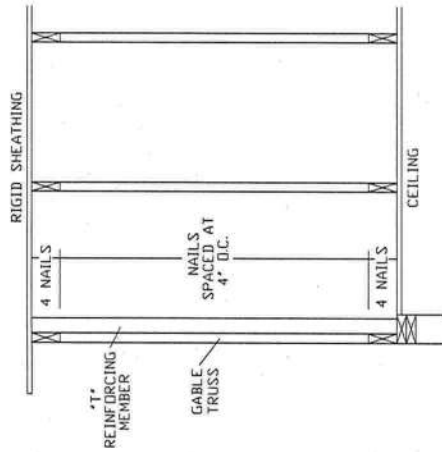
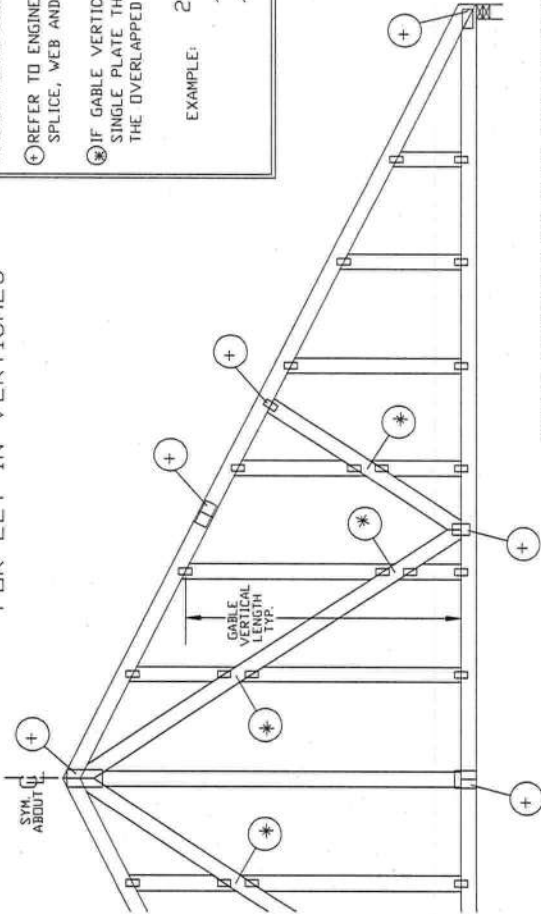
ITV-BCCG, www.itv-bccg.com, TPI, www.tpinet.com, VITA, www.vitaindustry.com, ICC, www.iccsafe.org



REF	ASCE7-05-GAB1015
DATE	1/1/09
DRWG	A11015050109
MAX. TOT. LD. 60 PSF	
MAX. SPACING 24.0"	



GABLE DETAIL FOR LET-IN VERTICALS



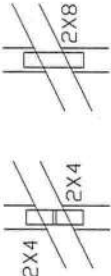
GABLE TRUSS PLATE SIZES

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

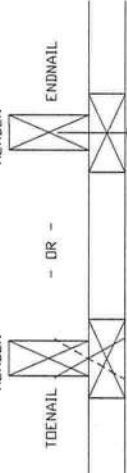
⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

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

EXAMPLE:



'T' REINFORCEMENT ATTACHMENT DETAIL



TO CONVERT FROM 'L' TO 'T' REINFORCING MEMBERS, MULTIPLY 'T' INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

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

WEB LENGTH INCREASE W/ 'T' BRACE

WIND SPEED AND MRH	'T' REINF. MBR. SIZE	'T' INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
30 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
30 FT	2x6	50 %
120 MPH	2x4	10 %
30 FT	2x6	50 %
110 MPH	2x4	10 %
15 FT	2x6	40 %
110 MPH	2x4	10 %
30 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	10 %
30 FT	2x6	40 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
30 FT	2x6	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT, Kzt = 1.00
GABLE VERTICAL = 24' DC, SP #3
'T' REINFORCING MEMBER SIZE = 2x4
'T' BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2x4 'L' BRACE LENGTH = 6' 7"
MAXIMUM 'T' REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH 'T' REINFORCING MEMBER WITH

END DRIVEN NAILS:

10d COMMON (0.148"x 3") MIN NAILS AT 4" O.C. PLUS

(4) NAILS IN TOP AND BOTTOM CHORD.

TOENAILED NAILS:

10d COMMON (0.148"x 3") MIN TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

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

WIND LOAD.

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015980109, A12015980109, A11015980109, A10015980109,

A13030980109, A12030980109, A11030980109, A10030980109

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015020109, A12015020109, A11015020109, A10015020109,

A13030020109, A12030020109, A11030020109, A10030020109

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015050109, A12015050109, A11015050109, A10015050109,

A13030050109, A12030050109, A11030050109, A10030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM

UNREINFORCED GABLE VERTICAL LENGTH.



Earth City, MO 63045

*****WARNING***** READ AND FOLLOW ALL NOTES ON THIS SHEET. This detail is intended for use in conjunction with the ITW Building Components Group Inc. (ITWBCG) product line. It is not to be used for any other purpose. Follow BCSI Building Component Safety Information, by TPI and VTCB 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 panels and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

*****IMPORTANT***** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2018/16GA CD45/50 ASTM A572 Grade 50 steel (A572/50ksi/70ksi/48ksi) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. ITW-BGC www.itwbcg.com TPI www.tpinet.com VTCB www.vtcindustry.com, LLC www.tccsa.org



REF	LET-IN VERT
DATE	1/1/09
DRWG	GBLETTIN0109

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