DATE 10/23/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027444

APPLICANT GERALD SMITH,JR. PHONE 386.288.2428

ADDRESS 3104 SW OLD WIRE ROAD FT.WHITE FL 32038

OWNER MARY B.SUMMERFIELD PHONE 386.397.4800

ADDRESS 12436 S US HWY 441 LULU FL

CONTRACTOR GERALD M. SMITH, SR. PHONE 386.719.7191

LOCATION OF PROPERTY 441-S APPROX. 1/4 MILE PAST C-349,PROPERTY ON R- LAZY P. NURSERY

TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 91550.00

HEATED FLOOR AREA 794.00 TOTAL AREA 1831.00 HEIGHT 25.18 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 27-5S-17-09419-000 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 25.18

		CBC1254161	Gerald M Smith Jr	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
EXISTING	08-0694-M	BLK	HD	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: IMPACT FEE EXEMPT - ADDITION ONLY. NOC ON FILE.

Check # or Cash 2992

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by Foundation _____ date/app. by Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by Slab _____ date/app. by Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by Heat & Air Duct _____ date/app. by Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by C.O. Final _____ date/app. by Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by Pool _____ date/app. by

Reconnection _____ date/app. by Pump pole _____ date/app. by Utility Pole _____ date/app. by

M/H Pole _____ date/app. by Travel Trailer _____ date/app. by Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 460.00 CERTIFICATION FEE $ 9.15 SURCHARGE FEE $ 9.15

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** 553.30

INSPECTORS OFFICE _____ CLERKS OFFICE CH

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

Need Engy calc manual

Columbia County Building Permit Application

For Office Use Only Application # 0810-23 Date Received 10/13 By JW Permit # 27444

Zoning Official BLK Date 10.10.08 Flood Zone X FEMA Map # N/A Zoning A-3

Land Use A-3 Elevation N/A MFE N/A River N/A Plans Examiner NO Date 10-17-08

Comments Impact Fee Exempt - Addition

~~NOC~~ EH ~~Deed or PA~~ ~~Site Plan~~ State Road Info Parent Parcel #

Dev Permit # In Floodway Letter of Authorization from Contractor

Unincorporated area Incorporated area Town of Fort White Town of Fort White Compliance letter

Septic Permit No. 08-0694-M Gerald Smith Jr Fax 386-466-1866 386-719-7191

Name Authorized Person Signing Permit ~~Wendy Grenell~~ 121 SE Hernando Ave, LC FL 32055 Phone ~~386-288-2438~~

Address 3104 ~~Old~~ Old Wire Road ~~Ft~~ White ~~FL 32038~~

Owners Name MARY B Summerfield Phone 386-397-4800

911 Address 12436 S US Hwy 441 Lake City FL 32055

Contractors Name Gerald Milton Smith, Sr. Phone 386-719-7191

Address 121 SE Hernando Ave Lake City FL 32055

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Nicholas Geisler 1758 NW Brown Rd Lake City FL 32055

Mortgage Lenders Name & Address NA

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

Property ID Number 27-55-17-09419-000 Estimated Cost of Construction $130,000

Subdivision Name NA Lot NA Block ____ Unit ____ Phase ____

Driving Directions US Hwy 441 South approx 1/4 mile past CR 349 property on (R) - Lazy P Nursery

Number of Existing Dwellings on Property 1

Construction of Residential SF addition Total Acreage 25.18 Lot Size ____

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height ____

Actual Distance of Structure from Property Lines - Front 500 Side 470 Side 200 Rear 1100

Number of Stories 2 attic Heated Floor Area ~~2849.2~~ Total Floor Area ~~4391.7~~ 794 / 1831 Roof Pitch ____

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.

2992 - left message w/ wendy 10/21/08

 Revised 11-30-07

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT 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.

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.

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Mary Jo Summerfield
Owners Signature

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.

Gerald M Smith Jr.
Contractor's Signature (Permitee)

Contractor's License Number CBC1254161
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 9th **day of** October **20**08.
Personally known ✓ **or Produced Identification** _____

Dura Denise Wood
State of Florida Notary Signature (For the Contractor)

SEAL:

Notary Public State of Florida
Dura Denise Wood
My Commission DD752819
Expires 01/28/2012

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval:** **If the project is to be located within the city limits of the Town of Fort White**, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. **(386) 497-2321**

5. **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 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 8.8 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 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
   A development permit will also be required. Development permit cost is **$50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)**. All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☑ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☑ ☐ b) Floor joist size and spacing

☑ ☐ c) Girder size and spacing

☑ ☐ d) Attachment of joist to girder

☑ ☐ e) Wind load requirements where applicable

☑ ☐ **Plumbing Fixture layout**

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☑ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

☐ ☐ d) Service panel and sub-panel size and location(s)

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☐ ☐ f) Appliances and HVAC equipment

☐ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☐ ☐ h) Exhaust fans in bathroom

HVAC information

☑ ☐ a) Energy Calculations (dimensions shall match plans)

☐ ☐ b) Manual J sizing equipment or equivalent computation

☐ ☐ c) Gas System Type (LP or Natural) Location and BTU demand of equipment

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☐ ☐ **Private Potable Water**

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

☑ ☐ d) Location, size and height above roof of chimneys.
☑ ☐ e) Location and size of skylights
☑ ☐ f) Building height
☑ ☐ e) Number of stories

Floor Plan including:

☑ ☐ a) Rooms labeled and dimensioned.
☑ ☐ b) Shear walls identified.
☑ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
☑ ☐ d) Show safety glazing of glass, where required by code.
☑ ☐ e) Identify egress windows in bedrooms, and size.
☑ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
☐ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☐ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☐ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
☐ ☐ b) All posts and/or column footing including size and reinforcing
☐ ☐ c) Any special support required by soil analysis such as piling
☐ ☐ d) Location of any vertical steel.

Roof System:

☑ ☐ a) Truss package including:
1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☑ ☐ b) Conventional Framing Layout including:
1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☑ ☐ a) Masonry wall
1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Masonite	steel, fiberglass ext doors	FL 4242-R1
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	ESP	Single-hung insulated	FL 5768
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING		Hardiboard lap siding	FL 4905
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	GAF/ELK	Architectural shingles	FL 586-R2
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER	Woodland	underlayment	FL 1814-R1
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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

Wendy Stennett — APPLICANT SIGNATURE

10/9/08 — DATE

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

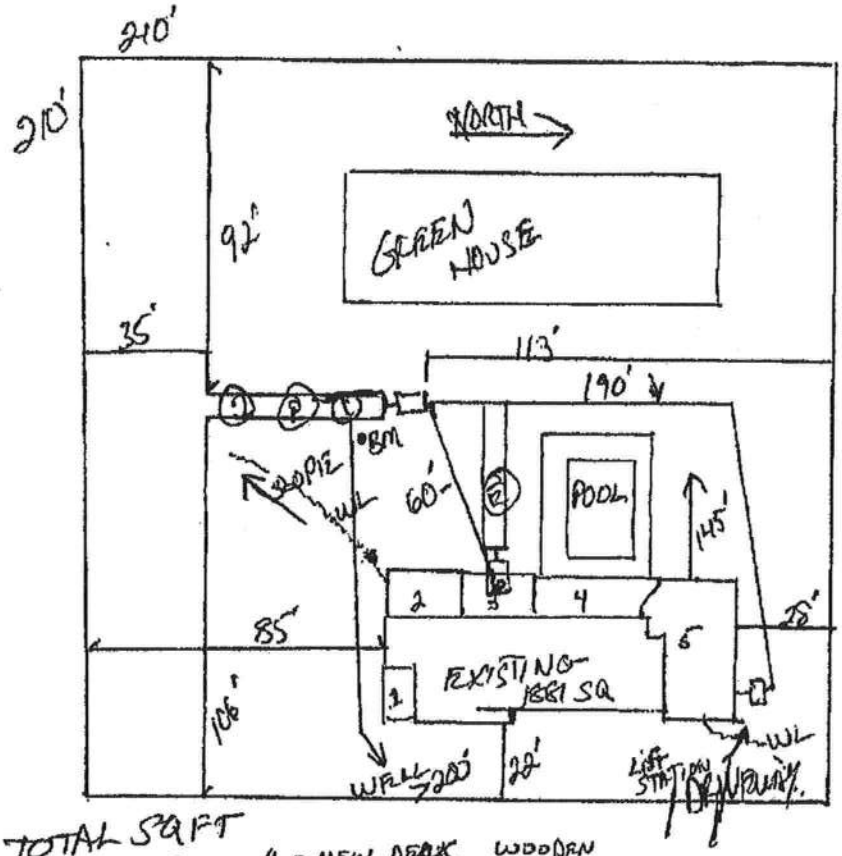
R-1305 01-04

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

Permit Application Number 08-0694M

---------- PART II - SITEPLAN ----------

Scale: 1 inch = 50 feet.



SEE ATTACHED

0810-23

TOTAL SQFT 2849

1 = NEW DECK WOODEN
2 = EXISTING DECK WOODEN
3 = PROPOSED WOODEN DECK
4 = NEW COVERED LANAI PORCH
5 = NEW MASTER BEDROOM & BATH
6 = EXISTING TANK TO BE ABANDONNED

Notes: _____

Site Plan submitted by: _____ MASTER CONTRACTOR

Plan Approved ✓ Not Approved _____ Date 10-22-08

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/98 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)

Complete Permit Services, LLC
3104 S W Old Wire Rd
Ft White, Fl 32038
Wendy Grennell Owner
386-288-2428 Cell
386-466-0840 Office
386-466-1866 Fax

BLANKET POWER OF ATTORNEY

I, Gerald Smith, Sr. license number CBC1254161 authorize Wendy Grennell to be my representative and act on my behalf in all aspects of applying for permits in Columbia County, State of Florida.

Signed: Gerald Smith, Sr
General Contractor

Sworn to and described before me this 9th day of October 2008

Dura Denise Wood
Notary public

Dura Denise Wood
Notary Name

Personally known ✓

DL ID_____

Notary Public State of Florida
Dura Denise Wood
My Commission DD752819
Expires 01/28/2012

Mary B Summerfield
Parcel # 27-55-17-09419-000

Columbia County Property Appraiser

DB Last Updated: 8/5/2008

2008 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Parcel: 27-5S-17-09419-000 HX

<< Prev Search Result: 4 of 4

Owner & Property Info

Owner's Name	BARCIA PETER P & BETTY		
Site Address	US HIGHWAY 441		
Mailing Address	12436 S US HWY 441 LAKE CITY, FL 32055		
Use Desc. (code)	IMPROVED A (005000)		
Neighborhood	27517.00	**Tax District**	3
UD Codes	MKTA02	**Market Area**	02
Total Land Area	25.180 ACRES		
Description	COMM NW COR OF SE1/4 OF SW1/4 RUN E 774.36 FT FOR POB, CONT E 1743.50 FT TO W R/W US-41, S ALONG R/W 700.26 FT, W 866.73 FT, NW ALONG CURVE 927.97 FT, N 495.44 FT TO POB. ORB 757-2031, 782-675 (LIFE ESTATE ORB 1044-2343), WD 1148-1442(LIFE EST)		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (3)	$10,940.00	**Just Value**		$278,955.00
Ag Land Value	cnt: (1)	$12,749.00	**Class Value**		$179,397.00
Building Value	cnt: (2)	$130,873.00	**Assessed Value**		$175,587.00
XFOB Value	cnt: (10)	$24,835.00	**Exempt Value**	(code: HX)	$50,000.00
Total Appraised Value		$179,397.00	**Total Taxable Value**		$125,587.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
10/26/1993	782/675	WD	V	U	34	$10,000.00
8/22/1989	694/643	WD	I	Q		$145,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1956	Vinyl Side (31)	1881	2942	$81,543.00
2	SFR MANUF (000200)	1995	Vinyl Side (31)	1772	2102	$49,330.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0260	PAVEMENT-A	0	$3,000.00	1.000	0 x 0 x 0	(.00)
0190	FPLC PF	0	$1,600.00	1.000	0 x 0 x 0	(.00)
0280	POOL R/CON	1993	$7,373.00	512.000	32 x 16 x 0	(.00)
0294	SHED WOOD/	0	$350.00	1.000	0 x 0 x 0	(.00)

>> **Print as PDF** <<

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COMM NW COR OF SE1/4 OF SW1/4      BARCIA PETER P & BETTY          27-5S-17-09419-000                Columbia Cou
RUN E 774.36 FT FOR POB, CONT      12436 S US HWY 441
E 1743.50 FT TO W R/W US-41,       LAKE CITY, FL 32055                                PRINTED  8/04/2008 13:57
S ALONG R/W 700.26 FT, W                                                              APPR     7/07/2005 DF
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BUSE 000100 SINGLE FAM        AE? Y       1881 HTD AREA    102.335 INDEX    27517.00 DIST 3            PUSE  005
MOD   1 SFR           BATH      1.50       2232 EFF AREA     52.191 E-RATE    100.000 INDX   STR  27- 5S- 17
EXW  31 VINYL SID     FIXT               116490 RCN                          1956 AYB    MKT AREA 02
   %    0000000000    BDRM         3      70.00 %GOOD      81,543 B BLDG VAL  1956 EYB    (PUD1
RSTR 03 GABLE/HIP     RMS                                                               AC       25.180
RCVR 12 MODULAR MT    UNTS
   %    N/A           C-W%
INTW 04 PLYWOOD       HGHT
   %    N/A           PMTR
FLOR 14 CARPET        STYS        1.0
 10% 06 VINYL ASB     ECON
HTTP 04 AIR DUCTED    FUNC
A/C  03 CENTRAL       SPCD
QUAL 05 05            DEPR 52
FNDN    N/A           UD-1     N/A
SIZE 03 RECTANGLE     UD-2     N/A
CEIL    N/A           UD-3     N/A
ARCH    N/A           UD-4     N/A
FRME 01 NONE          UD-5     N/A
KTCH 01 01            UD-6     N/A
WNDO    N/A           UD-7     N/A
CLAS    N/A           UD-8     N/A
OCC     N/A           UD-9     N/A
COND 03 03               %     N/A
```

SUB	A-AREA	%	E-AREA	SUB VALUE
BAS93	1881	100	1881	68719
USP93	574	40	230	8403
FOP93	32	30	10	365
UCP93	378	20	76	2777
UST93	77	45	35	1279
TOTAL	2942		2232	81543

```
FIELD CK:
LOC:  12436 US HIGHWAY 441 S

                    +-------34-----+
 +----20--+         1USP1993       1
 IUSP1993 I         1              1
 ++--+20--+---20--+----23---+--11+
  1  1BAS1993                 +--11+---18--+
  4  4                              IUCP1993I
 +-8+                                2       2
   BAS1993                           1       1
     I                             UST1993     I
     +-----27----+-8-+---37------+---18--+
                 +FOP1993
```

```
--------------- BLDG TRA
BAS1993=W20 USP1993=N10
 BAS1993=W8 S14 E8N14$ :
8 N4  W8 S2$ N2 E37 UCP
1$ N21 UST1993=N7W11 S7
=E11 N11 W34S11 E23$ W2:

---------------- PERMIT:
 NUMBER      DESC
7696      M H

------------------ SALE
BOOK   PAGE      DATE
  782    675 10/26/199
GRANTOR STEPHEN SMITH
GRANTEE PETER BARCIA
  694    643  8/22/198
GRANTOR NORTH FLA CREDI
GRANTEE SMITH STEPHEN
```

-------EXTRA FEATURES---------- FIELD CK:

AE	BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ UT PR	SPCD %
Y	1	0190	FPLC PF				1		0000	1.00	1.000	UT	1600.000	1600.000	1
Y		0260	PAVEMENT-ASP				1		0000	1.00	1.000	UT	3000.000	3000.000	1
Y		0280	POOL R/CON	32	16		1		1993	1.00	512.000	UT	36.000	36.000	
Y		0294	SHED WOOD/VI				1		0000	1.00	1.000	UT	350.000	350.000	1
Y		0214	GRN HOUSE				1		0000	1.00	1.000	UT	800.000	800.000	1
Y		0282	POOL ENCL	28	40		1		2004	1.00	1120.000	SF	9.500	9.500	

AE	LAND CODE	DESC	ZONE / TOPO	ROAD / UTIL	{UD1 {UD2	{UD3 {UD4	FRONT / BACK	DEPTH / DT	FIELD CK: ADJUSTMENTS	UNITS	UT	PRICE	ADJ UT PR
Y	000100	SFR	A-1 / 0002	0003 / 0003					1.00 1.00 1.00 1.00	1.000	AC	4845.000	4845.
N	000200	MBL HM	A-1 / 0002	0002 / 0003					1.00 1.00 1.00 1.00	1.000	AC	4845.000	4845.
N	006900	ORNAMENTAL	A-1 / 0002	0003 / 0003					1.00 1.00 1.00 1.00	23.180	AC	550.000	550.
N	009946	WELL	A-1 / 0002	0002 / 0003					1.00 1.00 1.00 1.00	1.000	UT	1250.000	1250.
N	009910	MKT.VAL.AG	A-1 / 0002	0003 / 0003					1.00 1.00 1.00 1.00	23.180	AC	4845.000	4845.

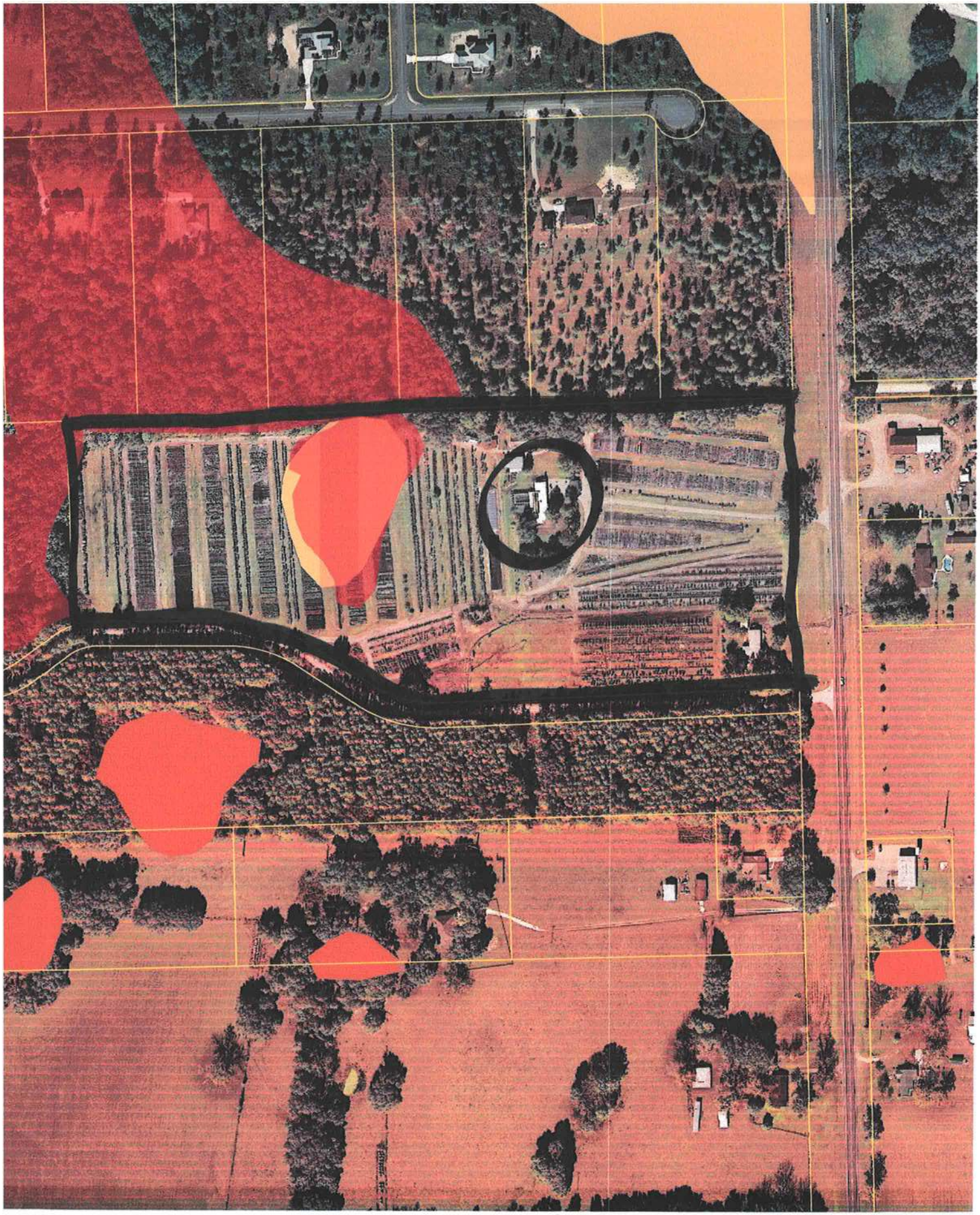
X005 - GREENHOUSE
2008

□

```
COMM NW COR OF SE1/4 OF SW1/4      BARCIA PETER P & BETTY          27-5S-17-09419-000                Columbia Cou
RUN E 774.36 FT FOR POB, CONT      12436 S US HWY 441
E 1743.50 FT TO W R/W US-41,       LAKE CITY, FL 32055                                PRINTED  8/04/2008 13:57
S ALONG R/W 700.26 FT, W                                                              APPR     7/07/2005 DF
```

```
BUSE 000200 SFR MANUF         AE? N       1772 HTD AREA    113.900 INDEX    27517.00 DIST 3            PUSE  005
MOD   2 MOBILE HME    BATH      2.00       1868 EFF AREA     35.309 E-RATE    100.000 INDX   STR  27- 5S- 17
EXW  31 VINYL SID     FIXT                66663 RCN                          1995 AYB    MKT AREA 02
   %    N/A           BDRM         3      74.00 %GOOD      49,330 B BLDG VAL  1995 EYB    (PUD1
```

```
RSTR 03 GABLE/HIP    RMS                -------------------------------------------------       AC        25.180
RCVR 03 COMP SHNGL   UNTS              ³FIELD CK:                                          ³     NTCD
  %      N/A         C-W%              ³LOC:  12436 US HIGHWAY 441 S                       ³     APPR CD
INTW 05 DRYWALL      HGHT              ³                                                   ³     CNDO
  %      N/A         PMTR              ³        +-----20----+                              ³     SUBD
FLOR 14 CARPET       STYS        1.0   ³        IFOP2000    I                              ³     BLK
 10% 08 SHT VINYL    ECON              ³        1           1                              ³     LOT
HTTP 04 AIR DUCTED   FUNC              ³        6           6                              ³     MAP#
A/C  03 CENTRAL      SPCD              ³        I           I                              ³     HX
QUAL 05 05           DEPR 09           ³ +----+-----20----+-----------38---------+         ³     TXDT      003
FNDN     N/A         UD-1     N/A      ³ IBAS2000                                I         ³
SIZE     N/A         UD-2     N/A      ³ I                                       I         ³ -------------- BLDG TRA
CEIL     N/A         UD-3     N/A      ³ I                                       I         ³ BAS2000=W38 FOP2000=N16
ARCH     N/A         UD-4     N/A      ³ 2                                       2         ³  S27 E34 FOP2000= E10 N
FRME     N/A         UD-5     N/A      ³ 7                                       7         ³  E22  N27$.
KTCH 01 01           UD-6     N/A      ³ I                                       I         ³
WNDO     N/A         UD-7     N/A      ³ I                      +--10-+          I         ³
CLAS     N/A         UD-8     N/A      ³ +----------34--------+FOP2000-----22----+         ³
OCC      N/A         UD-9     N/A      ³                                                   ³
COND 03 03              %     N/A      ³                                                   ³----------------- PERMIT
SUB   A-AREA  %  E-AREA   SUB VALUE    ³                                                   ³  NUMBER      DESC
BAS00   1772 100   1772       46299    ³                                                   ³
FOP00    330  35    116        3031    ³                                                   ³
                                       ³                                                   ³ ------------------ SALE
                                       ³                                                   ³ BOOK   PAGE      DATE
                                       ³                                                   ³
                                       ³                                                   ³ GRANTOR
                                       ³                                                   ³ GRANTEE
                                       ³                                                   ³
                                       ³                                                   ³ GRANTOR
TOTAL    2102      1888       49330    -------------------------------------------------   GRANTEE
-------EXTRA FEATURES--------------------------------- FIELD CK:                           -------------------------
AE BN  CODE       DESC        LEN   WID HGHT QTY QL   YR  ADJ         UNITS UT        PRICE   ADJ UT PR   SPCD %
N   2 0190   FPLC PF                          1      1995 1.00        1.000 UT     1600.000    1600.000           1
Y     0296   SHED METAL                       1      2004 1.00        1.000 UT      300.000     300.000           1
Y     0251   LEAN TO W/FL                     1      2004 1.00        1.000 UT      300.000     300.000           1
Y     0296   SHED METAL                       1      2004 1.00        1.000 UT     1000.000    1000.000           1
---------------------------------------------------------------------------------------------------------------------
    LAND    DESC      ZONE  ROAD {UD1 {UD3 FRONT DEPTH  FIELD CK:
AE  CODE              TOPO  UTIL {UD2 {UD4  BACK   DT      ADJUSTMENTS             UNITS UT       PRICE   ADJ UT PI
 2008
```



0810-23

Description provided by grantor
No title search
PREPARED BY/RETURN TO:
John J. Kendron
ROBINSON, KENNON & KENDRON, P.A.
P. O. Box 1178
Lake City, FL 32056-1178

Inst:2005010089 Date:05/02/2005 Time:14:54
Doc Stamp-Deed : 0.70
MK DC,P.DeWitt Cason,Columbia County B:1044 P:2343

LIFE ESTATE DEED

THIS INDENTURE, made this 28 day of April, 2005, by and between Betty Barcia a/k/a Betty Jo Barcia and Peter P. Barcia a/k/a Peter Paul Barcia, by and through his attorney in fact, Betty Jo Barcia, **husband and wife,** whose address is 12436 S. US Hwy 441, Lake City, Florida 32025, hereinafter called Grantor(s), Betty Jo Barcia and Peter Paul Barcia, **husband and wife,** a life estate for their joint lives; and upon the death of both the life tenants, the remainder, if any, to Mary C. Bass, whose address is 12484 S. US Hwy 441, Lake City, FL 32025, hereinafter called the Grantee(s).

WITNESSETH: That said Grantors, for and in consideration of Love and Affection and other good and valuable consideration, to said Grantors in hand paid by said Grantee, the receipt and sufficiency of which are hereby acknowledged, has granted, bargained and sold to the said Grantee, and Grantee's heirs, successors and assigns forever the following described land, lying, situate and being in Columbia County, Florida, to-wit:

See Schedule A attached hereto

SUBJECT TO: Taxes and assessments for 2004 and subsequent years, reservations, restrictions, covenants, conditions, limitations and easements of record, if any, and applicable zoning, land use and building regulations.

PARCEL NO: 27-5S-[redacted]

and said Grantors do hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons claiming by, through or under the Grantors.

N.B. This deed is executed with the authority given under that certain Durable Power of Attorney for Peter P. Barcia a/k/a Peter Paul Barcia which was previously recorded at Bk 1044 and Page(s) 2337, in the Public Records of Columbia County, Florida.

IN WITNESS WHEREOF, Grantors have hereunto set their hands and seals the day and year first above written.

Signed, sealed and delivered
in the presence of:

Jason J. Kendron
Print Name of First Witness

Mary Driggers
MARY DRIGGERS
Print Name of Second Witness

Betty Barcia
Betty Barcia a/k/a Betty Jo Barcia

Peter P. Barcia By Betty Jo Barcia POA
Peter P. Barcia a/k/a Peter Paul Barcia by and through his attorney in fact Betty Jo Barcia

STATE OF FLORIDA
COUNTY OFCOLUMBIA

I HEREBY CERTIFY that the foregoing was acknowledged before me this 28th day of April, 2005, by Betty Barcia a/k/a Betty Jo Barcia, who is personally known to me or who produced _____, as identification and by Betty Jo Barcia as the attorney in fact for Peter P. Barcia a/k/a Peter Paul Barcia who is personally known to me or who produced _____, as identification.

Mary Driggers
Notary Public

Mary Driggers
MY COMMISSION # DD240248 EXPIRES
August 11, 2007
BONDED THRU TROY FAIN INSURANCE, INC.

Inst:2005010089 Date:05/02/2005 Time:14:54
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1044 P:2344

Parcel A

A PART OF THE SOUTH 1/4 OF SECTION 27, TOWNSHIP 5 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NW CORNER OF THE SE 1/4 OF THE SW 1/4 OF SAID SECTION 27 AND RUN S.89°19'17'E., ALONG THE NORTH LINE THEREOF 774.36 FEET TO THE POINT OF BEGINNING; THENCE S.89°19'17'E., CONTINUE ALONG SAID NORTH LINE THEREOF A DISTANCE OF 693.03 FEET; THENCE S.00°44'07'E., A DISTANCE OF 659.47 FEET TO THE NORTH MAINTAINED RIGHT-OF-WAY OF A PAVED ROAD; THENCE N.54°26'03'W., ALONG SAID MAINTAINED RIGHT-OF-WAY A DISTANCE OF 169.50 FEET TO A POINT ON A CURVE TO THE LEFT, HAVING A RADIUS OF 364.75 FEET, A CENTRAL ANGLE OF 33°01'55', A TANGENT LENGTH OF 108.15 FEET, A CHORD BEARING OF N.70°55'30'W. AND A CHORD LENGTH OF 207.38 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 210.28 FEET TO THE END OF SAID CURVE; THENCE N.87°26'55'W., STILL ALONG SAID MAINTAINED RIGHT-OF-WAY A DISTANCE OF 311.71 FEET TO A POINT ON A CURVE TO THE LEFT, HAVING A RADIUS OF 183.75 FEET, A CENTRAL ANGLE OF 19°35'52', A TANGENT LENGTH OF 31.74 FEET, A CHORD BEARING OF S.82°36'38'W, AND A CHORD LENGTH OF 62.54 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 62.85 FEET TO THE END OF SAID CURVE; THENCE N.00°40'38'E., A DISTANCE OF 495.53 FEET TO THE POINT OF BEGINNING. PARCEL CONTAINS 8.40 ACRES, MORE OR LESS.

Parcel B

A PART OF THE SOUTH ¼ OF SECTION 27, TOWNSHIP 5 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARYLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NW CORNER OF THE SE ¼ OF THE SW ¼ OF SAID SECTION 27 AND RUN S.89°19'17E., ALONG THE NORTH LINE THEREOF 1467.39 FEET TO THE POINT OF BEGINNING; THENCE S. 89°19'17"E., ALONG THE NORTH LINE THEREOF A DISTANCE OF 318.81 FEET; THENCE S.01°23'52"E., A DISTANCE OF 445.71 FEET; THENCE S.89°33'24"E., A DISTANCE OF 542.45 FEET; THENCE S.01°01'36"W., A DISTANCE OF 258.40 FEET TO THE NORTH MAINTAINED RIGHT-OF-WAY OF A PAVED ROAD; THENCE N.89°58'49"W., ALONG SAID MAINTAINED RIGHT-OF-WAY, A DISTANCE OF 696.48 FEET TO A POINT ON A CURVE TO THE RIGHT, HAVING A RADIUS OF 279.82 FEET, A CENTRAL ANGLE OF 35°31'19", A TANGENT LENGTH OF 89.63 FEET, A CHORD BEARING OF N.72°10'56"W. AND A CHORD LENGTH OF 170.72 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 173.48 FEET TO THE END OF SAID CURVE; THENCE N.00°44'07"W., A DISTANCE OF 659.47 FEET TO THE POINT OF BEGINNING. PARCEL CONTAINS 8.41 ACRES, MORE OR LESS.

Parcel C

A PART OF THE SOUTH ¼ OF SECTION 27, TOWNSHIP 5 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NW CORNER OF THE SE ¼ OF THE SW ¼ OF SAID SECTION 27 AND TUN S.89°19'17"E., ALONG THE NORTH LINE THEREOF 1786.20 FEET TO THE POINT OF BEGINNING; THENCE S.89°19'17"E., CONTINUE ALONG SAID NORTH LINE THEREOF A DISTANCE OF 731.60 FEET TO THE WEST RIGHT-OF-WAY LINE OF U.S. HIGHWAY #41/441; THENCE S.01°02'26"W., ALONG SAID WEST RIGHT-OF-WAY LINE A DISTANCE OF 442.54 FEET; THENCE N.89°33'24"W., A DISTANCE OF 712.66 FEET; THENCE N.01°23'52"W., A DISTANCE OF 445.71 FEET TO THE POINT OF BEGINNING. PARCEL CONTAINS 7.36 ACRES, MORE OR LESS.

Schedule A

to that certain indenture made April 28, 2005, by and between Betty Barcia a/k/a Betty Jo Barcia and Peter P. Barcia a/k/a Peter Paul Barcia, by and through his attorney in fact, Betty Jo Barcia, husband and wife, Grantor(s), to Betty Jo Barcia and Peter Paul Barcia, husband and wife, a life estate for their joint lives; and upon the death of both the life tenants, to Mary C. Bass

Inst:2005010088 Date:05/02/2005 Time:14:54
DC,P.DeWitt Cason,Columbia County B:1044 P:2337

DURABLE POWER OF ATTORNEY

STATE OF FLORIDA
COUNTY OF ALACHUA

BY THIS DURABLE POWER OF ATTORNEY, I, **PETER PAUL BARCIA**, of Columbia County, Florida, appoint as my attorney in fact to manage my affairs my wife, **BETTY JO BARCIA**. If for any reason she declines or is unable to serve as certified by a medical doctor licensed to practice in Florida or her then state of residence, I appoint as my alternate attorney in fact, my daughter, **MARY BARCIA BASS.**

This Durable Power of Attorney is not affected by my subsequent incapacity, except as provided in § 709.08 Florida Statutes, or any successor provisions of law. The power shall be exercisable from this date. All acts done by my attorney pursuant to this power shall bind me, my heirs, devisees and personal representatives. This Power of Attorney is nondelegable.

By these presents I do hereby revoke all other Durable Powers of Attorney which I may have made prior to this date.

A. General Grant of Power

I hereby give and grant unto my said attorney in fact full power and authority to do and perform every act and thing whatsoever with respect to all of my property and interests in property as fully to all intents and purposes as I might or could do if personally present. The powers conferred upon my attorney in fact extend to all of my right, title and interest in property in which I may have an interest jointly with any other person, whether in an estate by the entirety, joint tenancy or tenancy in common.

Without limiting the broad powers conferred by the preceding provisions, I authorize my attorney in fact to:

1. Collect all sums of money and other property that may be payable or belonging to me, and to execute receipts, releases, cancellations or discharges.

2. Settle any account in which I have any interest and to pay or receive the balance of that account as the case may require.

3. Enter any safe deposit box or other place of safekeeping standing in my name alone or jointly with another and to remove the contents and to make additions, substitutions and replacements.

4. Borrow money and to otherwise incur or guarantee indebtedness for which I will be liable, and to secure any such indebtedness by mortgage or other security interests

encumbering my assets.

5. Deposit to or withdraw from, or draw checks or drafts upon, any and all savings or checking accounts, money market funds or any other type of account in my name; open any new such accounts in my name in any bank or financial institution or with any insurance or brokerage firm; and endorse my name to any and all negotiable instruments.

6. Pay any and all bills, accounts, claims, and demands now or hereafter payable by me.

7. Receive and endorse for deposit in any account any payments that I receive from any branch or department of the United States or other government, including without limitation, Social Security Payments, Veteran's Administration payments or grants, Medicare or Medicaid payments, and tax refunds.

8. To represent me before any office of the Internal Revenue Service or any state agency; prepare and sign any tax return on my behalf; receive confidential information regarding tax matters (SS # 117-03-4956) for all periods, whether before or after the execution of this instrument; and to make any tax elections on my behalf.

9. Cash in bonds issued by the United States Government or any of its agencies, any other bonds and any certificates of deposit or other similar assets belonging to me.

10. Sell bonds, shares of stock, warrants, debentures, or other assets belonging to me, and execute all assignments and other instruments necessary or proper for transferring them to the purchaser or purchasers, and give good receipts and discharges for all money payable in respect to them.

11. Invest the proceeds of any redemption or sales and any other of my money, in bonds, shares of stock and other securities as my attorney shall deem fit.

12. Vote and exercise all rights and options, or empower another to vote and exercise those rights and options, concerning any corporate stock, securities, or other assets; to enter into or approve agreements for merger, reorganization or equivalent transactions with respect to any company or enterprise; to delegate those rights to an agent; and to enter into voting trusts and other agreements or subscriptions.

13. Act for me in any business or enterprise in which I am now or have been engaged or interested or with respect to any trust in which I have a beneficial interest.

14. Execute in my behalf any tax return and act for me in any examination, audit, hearing, conference or litigation relating to taxes, including authority to file and prosecute refund claims, and enter into any settlements.

15. Buy, sell, exchange, lease, convey, and grant options with respect to any real

or personal property, and to negotiate for and to enter into contracts and agreements of every nature, concerning real or personal property, including homestead or exempt property. Any such contract, agreement, or lease will be valid and binding for its full term even if it extends beyond my lifetime or the duration of this power of attorney.

16. Manage all assets and properties belonging to me or in which I have any interest, and to expend whatever funds my attorney-in-fact deems proper for the preservation, maintenance, or improvement of those assets or properties.

17. Hire or discharge (with or without cause) employees including, but not limited to, physicians, nurses, attorneys, and domestics.

18. Employ as investment counsel, custodians, brokers, accountants, appraisers, attorneys at law or other agents, such persons, firms or organizations, including my said agent and any firm of which my said agent may be a member or employee, as deemed necessary or desirable; to pay such persons, firms or organizations such compensation as it is deemed reasonable; and to determine whether or not to act upon the advice of any such agent without liability for acting or failing to act thereon.

19. Have, use, and take all lawful means and equitable and legal remedies and proceedings in my name for the collection and recovery of any property now or hereafter owned by me, and to adjust, sell, compromise, and agree for the same and to execute and deliver for me, on my behalf, and in my name, all endorsements, releases, receipts, or other sufficient discharges for the same.

20. Compromise, arbitrate, or otherwise adjust claims in favor of or against me or any assets or entity in which I have an interest, and to agree to any rescission or modification of any contract or agreement.

21. Participate in any type of liquidation or reorganization of any enterprise.

22. Join with other persons with whom I own property as joint tenants with right of survivorship in any transaction regarding that property. Joinder by my spouse may be accomplished by the exercise of authority in a power of attorney executed by my joining spouse, and either my spouse or I may appoint the other as attorney in fact and agent.

23. Exercise all rights and options, or empower another to exercise those rights and options, concerning sole proprietorships, general or limited partnerships, joint ventures, business trusts, land trusts, limited liability companies, and other domestic and foreign forms of organizations.

24. To exercise all powers even though my attorney-in-fact may also be acting individually or on behalf of any other person or entity interested in the same matters.

25. Transact all business, make, execute and acknowledge all contracts, orders, deeds, bills of sale, assurances, promissory notes, mortgages and other instruments of any

nature which may be requisite or proper to effectuate any matter or things pertaining to or belonging to me.

26. Execute stock powers or similar documents and to delegate to a transfer agent or similar person the authority to register any stocks, bonds, or other securities either into or out of my name or nominee's name.

27. Employ and compensate any investment management service, financial institution, or similar organization to advise my attorney-in-fact and to handle all investments and to render all accountings of funds held on my behalf under custodial, agency, or other agreements.

28. Disclaim any property interest that I would otherwise receive.

29. Demand, obtain, review, and release to others medical records or other documents protected by the patient-physician privilege, attorney-client privilege or any similar privilege.

30. File or process claims for any medical bills with all insurance companies through which I have coverage, including but not limited to Medicare and Medicaid and to receive from Blue Cross/Blue Shield or any other insurer information obtained in the adjudication of any claim in regard to services furnished to me under Title 18 of the Social Security Act.

31. Nominate on my behalf a person (including my attorney-in-fact) or entity to be appointed by a court of appropriate jurisdiction as guardian of my person or property, or both, or as custodian for my property during the pendency of any proceedings to determine my competency.

32. Do anything regarding my estate, property and affairs that I could do myself, including make gifts for estate planning purposes, including gifts to my attorney-in-fact; change the beneficiaries of any life insurance policies or other qualified or nonqualified benefit plans; create revocable or irrevocable trusts for the benefit of myself or of other persons; and consent to the creation or extension of trust established by other persons for my benefit; provided the gifts or transfers are consistent with testamentary dispositions as set forth in my Will.

33. Convey or mortgage homestead property. If the principal is married, the attorney in fact may not mortgage or convey homestead property without joinder of the spouse of the principal or the spouse's legal guardian. Joinder by a spouse may be accomplished by the exercise of authority in a durable power of attorney executed by the joining spouse, and either spouse may appoint the other as his or her attorney in fact.

34. Create, amend, modify, or revoke any documents or other disposition effective at my death or transfer assets to an existing trust created by me provided the gifts or transfers are consistent with my previously expressed testamentary intent.

Inst:2005010088 Date:05/02/2005 Time:14:54
DC,P.DeWitt Cason,Columbia County B:1044 P:2340

B. Third Party Reliance.

Third parties may rely upon the representations of my agent as to all matters relating to any power granted to my agent, and no person who may act in reliance upon the representations of my agent shall incur any liability to me or to my estate, beneficiaries, or joint owners as a result of permitting my agent to exercise any power prior to having actual knowledge of revocation, suspension, partial or complete termination of this power, a petition to determine my incapacity, or my death. Any third party may rely on a duly executed counterpart of this instrument, or a copy certified by my agent to be a true copy of the original hereof, as fully and completely as if such third party had received the original of this instrument.

C. Interpretation and Governing Law.

This instrument is executed by me in the State of Florida and the laws of the State of Florida shall govern all questions as to the validity of this power and the construction of its provisions. However, it is my intention that this Power of Attorney shall be exercisable in any other State or jurisdiction where I may have any property or interests in property.

D. Revocation.

Any act that is done under this power between the revocation of this instrument and notice of that revocation to my attorney shall be valid unless the person claiming the benefit of the act had notice of that revocation.

IN WITNESS WHEREOF, I have set my hand and seal on this 13th day of May, 2004.

PETER PAUL ( ) BARCIA
His Mark

Signed, sealed and delivered
in the presence of:

Susan Taylor
Susan Taylor
Print name of Witness

Michael D Summerfield
Print name of Witness

Inst:2005010088 Date:05/02/2005 Time:14:54
DC,P.DeWitt Cason,Columbia County B:1044 P:2342

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 18th day of May, 2004, by Peter Paul Barcia, who signed with a mark in the presence of these witnesses.

Susan Taylor
Notary Public - State of Florida

(Seal)

SUSAN TAYLOR
MY COMMISSION # CC 984394
EXPIRES: November 30, 2004
Bonded Thru Notary Public Underwriters

- [x] Personally Known, OR
- [ ] Produced Identification
- [ ] Type of Identification Produced _____

Inst:200812018784 Date:10/13/2008 Time:11:12 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1160 P:875

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 27-55-17-09419-000

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

1. Description of property *(legal description)*: Comm NW Cor of SE1/4 of SW1/4 Run E 774.36 for POB cont E 1743.50 to W R/W US 41 S 700.26 W 866.73
   a) Street *(job)* Address: 12436 S US Hwy 441 Lake City FL 32055
2. General description of improvements: residential SF addition
3. Owner Information
   a) Name and address: Mary B. Summerfield 12436 S US Hwy 441 Lake City FL
   b) Name and address of fee simple titleholder (if other than owner) NA
   c) Interest in property OWNER
4. Contractor Information
   a) Name and address: Gerald Milton Smith, Sr. 121 S.E. Hernando Ave Lake City FL 32055
   b) Telephone No.: 386-719-9191 Fax No. (Opt.) 386-719-7145
5. Surety Information
   a) Name and address: NA
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: NA
   b) Phone No.
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: NA
   b) Telephone No.: Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b). Florida Statutes:
   a) Name and address: NA
   b) Telephone No.: Fax No. (Opt.)
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**:

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

Mary B Summerfield
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager

Mary B Summerfield
Print Name

The foregoing instrument was acknowledged before me , a Florida Notary, this 10 day of October, 2008, by: MARY B. Summerfield as OWNER **(type of authority, e.g. officer, trustee, attorney fact) for** **(name of party on behalf of whom instrument was executed).**

Personally Known ____ OR Produced Identification ✓ Type Drivers License

Notary Signature Shirley M. Bennett Notary Stamp or Seal:

SHIRLEY M. BENNETT
MY COMMISSION # DD804429
EXPIRES July 08, 2012
(407) 398-0153 FloridaNotaryService.com

—AND—

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

Mary B Summerfield
Signature of Natural Person Signing (in line #10 above.)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
SUBCHAPTER 4 – Commercial Building Compliance Methods

Form 400C-04
Building Prescriptive Envelope Method

North
Climate Zones 1 2 3

Project Name:	Summerfield Alt + Addtns	Zone:	1
Address:	12436 S US Hwy 441	Building Classification:	Residential, S.F., Addtn
City, Zip Code:	Lake City FL 32055	Building Permit No.:	
Builder:	Gerald Milton Smith Sr	Permitting Office:	Columbia County
Owner:	Mary B Summerfield	Jurisdiction No.:	

BUILDING ENVELOPE INFORMATION

ENVELOPE COMPONENT	Nonresidential		Residential		Semiheated	
	U-factor	*R*-value	*U*-factor	*R*-value	*U*-factor	*R*-value
Roof type: Attic			0.034	30		
Wall type: Wd Frame			0.089	13		
Floor type: Slab on Grade			F-1.020	7.5 for 12in.		
Fenestration	Max. *U*-factor Fixed/operable	Max. SHGC All orientation	Max. *U*-factor Fixed/operable	Max. SHGC All orientation	Max. *U*-factor Fixed/operable	Max. SHGC All orientation
Vertical glazing type, % of wall: 13%			1.27	0.44		
Skylight type, % of roof: 0						

SYSTEMS INFORMATION

SYSTEM	Type (describe system)		Size (capacity)	Sizing calc.	Efficiency	Rating
Air-conditioning system	Existing Package		5.0 T max			
Heating system	" " H/P		60.0MBTU max			
Ventilation						
Ducts	Location: Attic		Fan Power:		*R*-value 6.0	
Piping	Fluid design operating temp:		Size of pipe:	-------	Inches	
Hot water	Existing Gas			-------	EF	
Electric power	Drawings	Y ✓ N	Operations manual available upon completion:	Y N		
Motors	Open or enclosed		Poles & speed		Horsepower:	
Lighting	Space type: Res.		Lighting power density	<3W/SF		

PRESCRIPTIVE MEASURES

Components	Section	Requirements	Check
Operations Manual	102.1, 410, 413	Operations manual provided to owner.	–
Windows & Doors	406.1.ABC.1.1	Glazed swinging entrance & revolving doors: max. 1.0 cfm/ft²; all other products: 0.4 cfm/ft².	✓
Joints/Cracks	406.1.ABC.1.2	To be caulked, gasketed, weatherstripped or otherwise sealed.	✓
Dropped Ceiling Cavity	406.1.ABC.1.4	Vented: seal & insulated ceiling. Unvented seal & insulate roof & side walls.	✓
Reheat	407.1.BC	Electric resistance reheat prohibited.	–
HVAC Efficiency	407.1, 408.1	Minimum efficiencies: Cooling Tables 407.1.ABC.3.2A-D; Heating Tables 407.1.ABC.3.2B, 407.1.ABC.3.2D, 408.1.ABC.3.2E thru 408.1.ABC.3.2G.	✓
HVAC Controls	407.1.ABC.2	Zone controls prevent reheat (exceptions); separate thermostatic control per zone; combined HAC control 5°F deadband (exceptions).	✓
Ventilation	409.1.ABC.3	Motorized dampers reqd. except gravity dampers OK in: 1) exhaust systems and 2) systems with design outside air intake or exhaust capacity ≤300 cfm.	✓
HVAC Ducts	410.1.ABC	Air ducts, fittings, mechanical equipment & plenum chambers shall be mechanically attached, sealed, insulated & installed per Sec. 410.1.ABC. Fan power limitations.	✓
Balancing	410.1.ABC.4	HVAC distribution system(s) tested & balanced. Report in construction documents.	–
Piping Insulation	411.1.ABC	In accordance with Table 411.1.ABC.2.	✓
Water Heaters	412.1.ABC	Performance requirements in accordance with Table 412.1.ABC.3. Heat trap required.	✓
Swimming Pools	412.1.ABC.2.6	Cover on heated pools; Time switch (exceptions); Readily accessible on/off switch.	–
Hot Water Pipe Insulation	412.1.ABC.4	Table 411.1.ABC.2 for circulating systems, first 8' outlet pipe from storage tank, between inlet pipe and heat trap.	✓
Water Fixtures	412.1.ABC.2.5.2	Shower heat water flow restricted to 2.5 gpm at 80 psi. Public lavatory fixture max. Flow 0.5 gpm; if self-closing valve 0.25 gallon circulating, 0.5 gallon noncirculating.	✓
Lighting Controls	415.1.ABC	Automatic control required for interior lighting in buildings <5,000 s.f.; Space control; Exterior photo sensor; Tandem wiring where 1-3 linear fluorescent lamps >30W.	✓

If required by Florida law, I hereby certify that the system design is in compliance with the Florida Energy Code.

		Registration number
ARCHITECT:	Nicholas Geisler	AR0007005
ELECTRICAL SYSTEM DESIGNER:		
LIGHTING SYSTEM DESIGNER:		
MECHANICAL SYSTEM DESIGNER:		
PLUMBING SYSTEM DESIGNER:		

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code.
PREPARED BY: _____ DATE: 15 Sep 08
I hereby certify that this building is in compliance with the Florida Energy Code:
OWNER AGENT: _____ DATE: _____

Review of 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 in accordance with Section 553.908, F.S.
BUILDING OFFICIAL: _____
DATE: _____

Form 400C-04
Building Prescriptive Envelope Method

North
Climate Zones 1 2 3

Opaque Elements	Nonresidential		Residential		Semiheated	
	Assembly Maximum	Insulation Min.[1] *R*-value	Assembly Maximum	Insulation Min.[1] R-value	Assembly Maximum	Insulation Min.[1] *R*-Value
Roofs						
Insulation all above deck	U-0.063	R-15.0 ci	U-0.063	R-15.0 ci	U-0.218	R-3.8 ci
Metal building	U-0.065	R-19.0	U-0.065	R-19	U-0.167	R-6.0
Attic and other	U-0.034	R-30.0	U-0.034	R-30.0	U-0.081	R-13.0
Walls, Above-Grade						
Mass	U-0.580	NR	U-0.151[2]	R-5.7 ci[2]	U-0.580	NR
Metal Building	U-0.113	R-13.0	U-0.113	R-13.0	U-0.184	R-6.0
Steel framed	U-0.124	R-13.0	U-0.124	R-13.0	U-0.352	NR
Wood framed and other	U-0.089	R-13.0	U-0.089	R-13.0	U-0.292	NR
Walls, Below-Grade						
Below-grade wall	C-1.140	NR	C-1.140	NR	C-1.140	NR
Floors						
Mass	U-0.137	R-4.2 ci	U-0.107	R-6.3 ci	U-0.322	NR
Steel Joist	U-0.052	R-19.0	U-0.052	R-19.0	U-0.350	NR
Wood framed and Other	U-0.051	R-19.0	U-0.051	R-19.0	U-0.282	NR
Slab-On-Grade Floors						
Unheated	F-0.730	NR	F-0.730	NR	F-0.730	NR
Heated	F-1.020	R-7.5 for 12 in.	F-1.020	R-7.5 for 12 in.	F-1.020	R-7.5 for 12 in.
Opaque Doors						
Swinging	U-0.700		U-0.700		U-0.700	
Nonswinging	U-1.450		U-1.450		U-1.450	
Fenestration	**Assembly Max U (Fixed/Operable)**	**Assembly Max. SHGC (All Orientations/North -Oriented)**	**Assembly Max. U (Fixed/Operable)**	**Assembly Max. SHGC (All Orientations/North -Oriented)**	**Assembly Max. U (Fixed/Operable)**	**Assembly Max. SHGC (All Orientations/North -Oriented)**
Vertical Glazing, % of wall						
0 - 10%	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ 0.39 $SHGC_{north}$ 0.61	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ 0.61 $SHGC_{north}$ 0.61	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ NR $SHGC_{north}$ NR
10.1 - 20%	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ 0.25 $SHGC_{north}$ 0.61	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ 0.44 $SHGC_{north}$ 0.61	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ NR $SHGC_{north}$ NR
20.1 - 30%	U_{fixed}–1.22 U_{oper}– 1.27	$SHGC_{all}$ 0.25 $SHGC_{north}$ 0.61	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ 0.44 $SHGC_{north}$ 0.61	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ NR $SHGC_{north}$ NR
30.1 - 40%	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ 0.25 $SHGC_{north}$ 0.61	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ 0.40 $SHGC_{north}$ 0.61	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ NR $SHGC_{north}$ NR
40.1 - 50%	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ 0.17 $SHGC_{north}$ 0.42	U_{fixed}–1.22 U_{oper}–1.27	$SHGC_{all}$ 0.29 $SHGC_{north}$ 0.41	U_{fixed}–0.98 U_{oper}–1.02	$SHGC_{all}$ NR $SHGC_{north}$ NR
Skylight with curb, glass, % roof						
0 - 2.0%	U_{all}–1.98	$SHGC_{all}$ 0.39	U_{all}–1.98	$SHGC_{all}$ 0.36	U_{all}–1.98	$SHGC_{all}$ NR
2.1 - 5.0%	U_{all}–1.98	$SHGC_{all}$ 0.25	U_{all}–1.98	$SHGC_{all}$ 0.19	U_{all}–1.98	$SHGC_{all}$ NR
Skylight with curb, plastic, % roof						
0 - 2.0%	U_{all}–1.90	$SHGC_{all}$ 0.65	U_{all}–1.90	$SHGC_{all}$ 0.27	U_{all}–1.90	$SHGC_{all}$ NR
2.1 - 5.0%	U_{all}–1.90	$SHGC_{all}$ 0.39	U_{all}–1.90	$SHGC_{all}$ 0.27	U_{all}–1.90	$SHGC_{all}$ NR
Skylight without curb, all, % roof						
0 - 2.0%	U_{all}–1.36	$SHGC_{all}$ 0.39	U_{all}–1.36	$SHGC_{all}$ 0.36	U_{all}–1.36	$SHGC_{all}$ NR
2.1 - 5.0%	U_{all}–1.36	$SHGC_{all}$ 0.25	U_{all}–1.36	$SHGC_{all}$ 0.19	U_{all}–1.36	$SHGC_{all}$ NR

[1] The following definitions apply: ci = continuous insulation; NR = no (insulation) requirements.
[2] Exception to 402.1.C.1 applies for mass walls.

FORM 600A-2004

EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	SUMMERFIELD ADDITION	Builder:	S&S CONSTRUCTION
Address:	-	Permitting Office:	COLUMBIA
City, State:	LAKE CITY, FL	Permit Number:	
Owner:	M/M SUMMERFIELD	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	Addition	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 20.5 kBtu/hr
3. Number of units, if multi-family	1		SEER: 14.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	794.2 ft²		
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor: (or Single or Double DEFAULT) 7a.	Description Area (Dble Default) 72.5 ft²	a. Electric Heat Pump	Cap: 21.8 kBtu/hr
b. SHGC: (or Clear or Tint DEFAULT) 7b.	(Clear) 72.5 ft²		HSPF: 8.00
8. Floor types		b. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 124.2(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Adjacent	R=0.0, 264.0 ft²		EF: 0.93
b. Frame, Wood, Exterior	R=11.0, 596.2 ft²	b. N/A	
c. N/A			
d. N/A		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
e. N/A			
10. Ceiling types		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	CV,
a. Under Attic	R=22.0, 855.7 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 80.0 ft		
b. N/A			

Glass/Floor Area: 0.13

Total as-built points: 10706

Total base points: 11341

PASS

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

PREPARED BY: Wendy Greenwell

DATE: 10-16-08

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

OWNER/AGENT: Wendy Greenwell

DATE: 10/16/08

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL, PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL, PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Point
.18	794.2	12.74	1821.3	Double, Clear	E	2.0	4.8	25.0	18.79	1.09	511.4
				Double, Clear	N	2.0	12.4	15.0	24.58	1.00	368.8
				Double, Clear	N	2.0	15.8	15.0	24.58	1.00	368.6
				Double, Clear	N	2.0	12.8	15.0	24.58	1.00	368.8
				Double, Clear	W	2.0	4.8	30.0	20.73	1.06	660.8
				As-Built Total:				**100.0**			**2278.4**
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points
Adjacent Exterior	264.0 596.2	3.60 3.70	950.4 2205.9	Frame, Wood, Adjacent Frame, Wood, Exterior			0.0 11.0	264.0 596.2	10.40 3.70		2745.6 2205.9
Base Total:	**860.2**		**3156.3**	**As-Built Total:**				**860.2**			**4951.5**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM	=	Points
Adjacent Exterior	0.0 33.3	0.00 12.30	0.0 410.2	Exterior Wood				33.3	12.30		410.2
Base Total:	**33.3**		**410.2**	**As-Built Total:**				**33.3**			**410.2**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points
Under Attic	794.2	2.05	1628.1	Under Attic			22.0	855.7	2.45 X 1.00		2096.5
Base Total:	**794.2**		**1628.1**	**As-Built Total:**				**855.7**			**2096.5**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points
Slab Raised	124.2(p) 0.0	8.9 0.00	1105.4 0.0	Slab-On-Grade Edge Insulation			0.0	124.2(p	18.80		2335.0
Base Total:			**1105.4**	**As-Built Total:**				**124.2**			**2335.0**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM	=	Points
	794.2	-0.59	-468.6					794.2	-0.59		-468.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL, PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**7652.7**	**Winter As-Built Points:**					**11603.0**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 21800 btuh ,EFF(8.0) Ducts:Unc(S),Con(R),Int(AH),R6.0					
7652.7	**0.6274**	**4801.3**	11603.0 **11603.0**	1.000 **1.00**	(1.060 x 1.169 x 0.93) **1.152**	0.426 **0.426**	1.000 **1.000**	5699.5 **5699.5**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL, PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BSPM	= Points
.18	794.2	20.04	2864.8

WALL TYPES	Area	X BSPM	= Points
Adjacent	264.0	0.70	184.8
Exterior	596.2	1.70	1013.5
Base Total:	**860.2**		**1198.3**

DOOR TYPES	Area	X BSPM	= Points
Adjacent	0.0	0.00	0.0
Exterior	33.3	6.10	203.4
Base Total:	**33.3**		**203.4**

CEILING TYPES	Area	X BSPM	= Points
Under Attic	794.2	1.73	1374.0
Base Total:	**794.2**		**1374.0**

FLOOR TYPES	Area	X BSPM	= Points
Slab	124.2(p)	-37.0	-4595.4
Raised	0.0	0.00	0.0
Base Total:			**-4595.4**

INFILTRATION	Area	X BSPM	= Points
	794.2	10.21	8108.8

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area	X SPM	X SOF	= Points
Double, Clear	E	2.0	4.8	25.0	42.06	0.79	826.9
Double, Clear	N	2.0	12.4	15.0	19.20	0.98	281.6
Double, Clear	N	2.0	15.8	15.0	19.20	0.99	285.3
Double, Clear	N	2.0	12.8	15.0	19.20	0.98	282.1
Double, Clear	W	2.0	4.8	30.0	38.52	0.79	912.0
As-Built Total:				**100.0**			**2587.9**

Type	R-Value	Area	X SPM	= Points
Frame, Wood, Adjacent	0.0	264.0	2.20	580.8
Frame, Wood, Exterior	11.0	596.2	1.70	1013.5
As-Built Total:		**860.2**		**1594.3**

Type	Area	X SPM	= Points
Exterior Wood	33.3	6.10	203.4
As-Built Total:	**33.3**		**203.4**

Type	R-Value	Area	X SPM X SCM	= Points
Under Attic	22.0	855.7	2.11 X 1.00	1805.5
As-Built Total:		**855.7**		**1805.5**

Type	R-Value	Area	X SPM	= Points
Slab-On-Grade Edge Insulation	0.0	124.2(p	-41.20	-5117.0
As-Built Total:		**124.2**		**-5117.0**

	Area	X SPM	= Points
	794.2	10.21	8108.8

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL, PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 9154.0			**Summer As-Built Points: 9183.0**					
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 20500 btuh ,SEER/EFF(14.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)					
9154.0	0.4266	3905.1	9183 **9183.0**	1.00 **1.00**	(1.08 x 1.147 x 0.91) **1.128**	0.244 **0.244**	0.950 **0.950**	2399.6 **2399.6**

FORM 600A-2004

EnergyGauge® 4.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL, PERMIT #:

BASE			AS-BUILT							
WATER HEATING										
Number of Bedrooms	X Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
1	2635.00	2635.0	40.0	0.93	1	1.00	2606.67	1.00	2606.7	
			As-Built Total:						**2606.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
3905	**4801**	**2635**	**11341**	**2400**	**5700**	**2607**	**10706**

PASS

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.8

The higher the score, the more efficient the home.

M/M SUMMERFIELD, -, LAKE CITY, FL,

1. New construction or existing		Addition	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		1	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		794.2 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description	Area	
(or Single or Double DEFAULT)	7a. (Dble Default)	72.5 ft²	
b. SHGC:			
(or Clear or Tint DEFAULT)	7b. (Clear)	72.5 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 124.2(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Adjacent		R=0.0, 264.0 ft²	
b. Frame, Wood, Exterior		R=11.0, 596.2 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=22.0, 855.7 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior		Sup. R=6.0, 80.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 20.5 kBtu/hr	
	SEER: 14.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 21.8 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 40.0 gallons	
	EF: 0.93	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	CV,	

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: Wendy Stunnell Date: 10/16/08

Address of New Home: US Hwy 441 City/FL Zip: Lake City FL 32055

NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Residential System Sizing Calculation

Summary

M/M SUMMERFIELD
-
LAKE CITY, FL

Project Title:
SUMMERFIELD ADDITION

Code Only
Professional Version
Climate: North

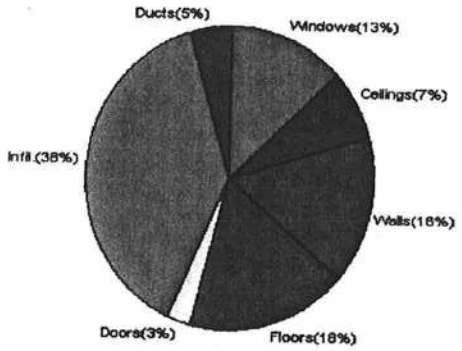
17-Oct-08

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**21832**	**Btuh**	**Total cooling load calculation**	**20507**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	99.9	21800	Sensible (SHR = 0.75)	113.7	15375
Heat Pump + Auxiliary(5.0kW)	178.0	38865	Latent	73.4	5125
			Total (Electric Heat Pump)	100.0	20500

WINTER CALCULATIONS

Winter Heating Load (for 794 sqft)

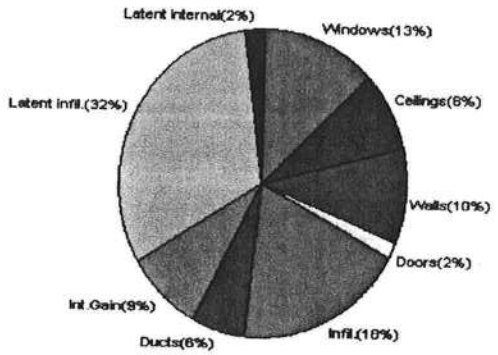
Load component			Load	
Window total	100	sqft	2830	Btuh
Wall total	860	sqft	3512	Btuh
Door total	33	sqft	598	Btuh
Ceiling total	856	sqft	1626	Btuh
Floor total	124	ft	3925	Btuh
Infiltration	194	cfm	8301	Btuh
Subtotal			**20792**	**Btuh**
Duct loss			1040	Btuh
TOTAL HEAT LOSS			**21832**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 794 sqft)

Load component			Load	
Window total	100	sqft	2619	Btuh
Wall total	860	sqft	2091	Btuh
Door total	33	sqft	333	Btuh
Ceiling total	856	sqft	1729	Btuh
Floor total			0	Btuh
Infiltration	188	cfm	3724	Btuh
Internal gain			1800	Btuh
Subtotal(sensible)			**12295**	**Btuh**
Duct gain			1230	Btuh
Total sensible gain			**13525**	**Btuh**
Latent gain(infiltration)			6522	Btuh
Latent gain(internal)			460	Btuh
Total latent gain			**6982**	**Btuh**
TOTAL HEAT GAIN			**20507**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: _____
DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

M/M SUMMERFIELD
-
LAKE CITY, FL

Project Title:
SUMMERFIELD ADDITION

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

17-Oct-08

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	E	25.0	28.3	708 Btuh
2	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
3	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
4	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
5	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
	Window Total		100		2830 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Adjacent	0.0	264	5.4	1426 Btuh
2	Frame - Exterior	11.0	596	3.5	2087 Btuh
	Wall Total		860		3512 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		33	17.9	598 Btuh
	Door Total		33		598Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	22.0	856	1.9	1626 Btuh
	Ceiling Total		856		1626Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	124.2 ft(p)	31.6	3925 Btuh
	Floor Total		124		3925 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	6512(sqft)	44	1866 Btuh
	Mechanical			150	6435 Btuh
	Infiltration Total			194	8301 Btuh

Totals for Heating	**Subtotal**	**20792 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1040 Btuh**
	Total Btuh Loss	**21832 Btuh**

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

System Sizing Calculations - Summer

Residential Load - Component Details

M/M SUMMERFIELD
-
LAKE CITY, FL

Project Title:
SUMMERFIELD ADDITION

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 17-Oct-08

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	 Hgt	Window Area(sqft) Gross	 Shaded	 Unshaded	HTM Shaded	 Unshaded	Load
1	2, Clear, DEF, B, N	E	2	4.83	25.0	8.6	16.4	15	46	884 Btuh
2	2, Clear, DEF, B, N	N	2	12.4	15.0	0.0	15.0	15	15	225 Btuh
3	2, Clear, DEF, B, N	N	2	15.8	15.0	0.0	15.0	15	15	225 Btuh
4	2, Clear, DEF, B, N	N	2	12.8	15.0	0.0	15.0	15	15	225 Btuh
5	2, Clear, DEF, B, N	W	2	4.83	30.0	10.3	19.7	15	46	1060 Btuh
	Window Total				100					2619 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Adjacent	0.0	264.0	3.5	935 Btuh
2	Frame - Exterior	11.0	596.2	1.9	1157 Btuh
	Wall Total		860.2		2091 Btuh

Doors	Type	Area	HTM	Load
1	Wood - Exter	33.4	10.0	333 Btuh
	Door Total	33.4		333 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	22.0	855.7	2.0	1729 Btuh
	Ceiling Total		855.7		1729 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	124.2 ft(p)	0.0	0 Btuh
	Floor Total		124.2		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	6512	38.1	754 Btuh
	Mechanical			150	2970 Btuh
	Infiltration Total			188	3724 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	2	X 300	+	1200	1800 Btuh

Totals for Cooling		
	Subtotal	**12295 Btuh**
	Duct gain(using duct multiplier of 0.10)	**1230 Btuh**
	Total sensible gain	**13525 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**6522 Btuh**
	Latent occupant gain (2 people @ 230 Btuh per person)	**460 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**20507 Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

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
 Document ID:1TLK8228Z0107064942

Truss Fabricator:	Anderson Truss Company
Job Identification:	8-245P--Fill in later· MILTON SMITH -- , **
Truss Count:	17
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.36, 8.06.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Notes:

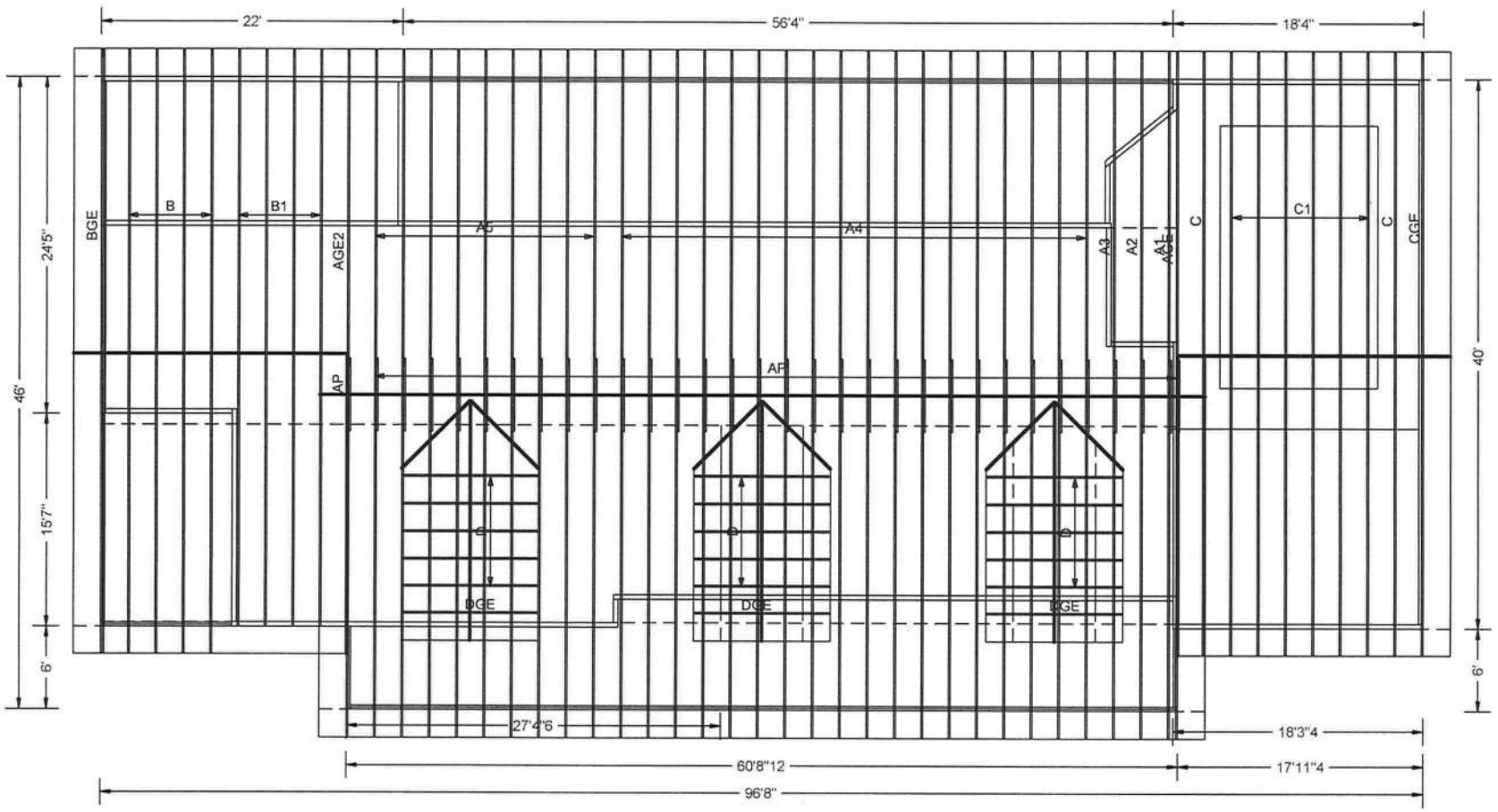
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: BRCLBSUB-CNBRGBLK-A11015EE-GBLLETIN-PIGBACKA-PIGBACKB-A11030EE-

#	Ref Description	Drawing#	Date
1	39055--A5	08281003	10/07/08
2	39056--A4	08281004	10/07/08
3	39057--A3	08281005	10/07/08
4	39058--A2	08281006	10/07/08
5	39059--A1	08281007	10/07/08
6	39060--AGE2	08281008	10/07/08
7	39061--AGE	08281009	10/07/08
8	39062--B1	08281017	10/07/08
9	39063--B	08281010	10/07/08
10	39064--BGE	08281011	10/07/08
11	39065--C	08281001	10/07/08
12	39066--C1	08281012	10/07/08
13	39067--CGE	08281013	10/07/08
14	39068--D	08281002	10/07/08
15	39069--DGE	08281014	10/07/08
16	39070--AP	08281015	10/07/08
17	39071--AP	08281016	10/07/08

Seal Date: 10/07/2008

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



MIKE & MARY SUMMERFIELD 10/07/08

JOB DESCRIPTION:: Fill in later
/: MILTON SMITH

JOB NO:
8-245P

PAGE NO:
1 OF 1

(8-245P--Fill in later MILTON SMITH -- , ** - A5)

Top chord 2x4 SP #2 Dense :T4 2x6 SP SS:
:T5 2x6 SP #1 Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W11, W12 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	62 PLF	at -2.13	to	62 PLF	at 12.18
TC - From	62 PLF	at 12.18	to	62 PLF	at 20.31
TC - From	62 PLF	at 20.31	to	62 PLF	at 25.69
TC - From	62 PLF	at 25.69	to	62 PLF	at 27.00
TC - From	250 PLF	at 27.00	to	297 PLF	at 33.82
TC - From	297 PLF	at 33.82	to	333 PLF	at 39.00
TC - From	62 PLF	at 39.00	to	62 PLF	at 48.13
BC - From	4 PLF	at -2.13	to	4 PLF	at 0.00
BC - From	20 PLF	at 0.00	to	20 PLF	at 10.75
BC - From	21 PLF	at 10.75	to	21 PLF	at 25.21
BC - From	21 PLF	at 25.21	to	21 PLF	at 39.67
BC - From	20 PLF	at 39.67	to	20 PLF	at 46.00
BC - From	4 PLF	at 46.00	to	4 PLF	at 48.13
TC -	100 LB Conc. Load at 39.00				

Wind reactions based on MWFRS pressures.

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

Roof overhang supports 2.00 psf soffit load.

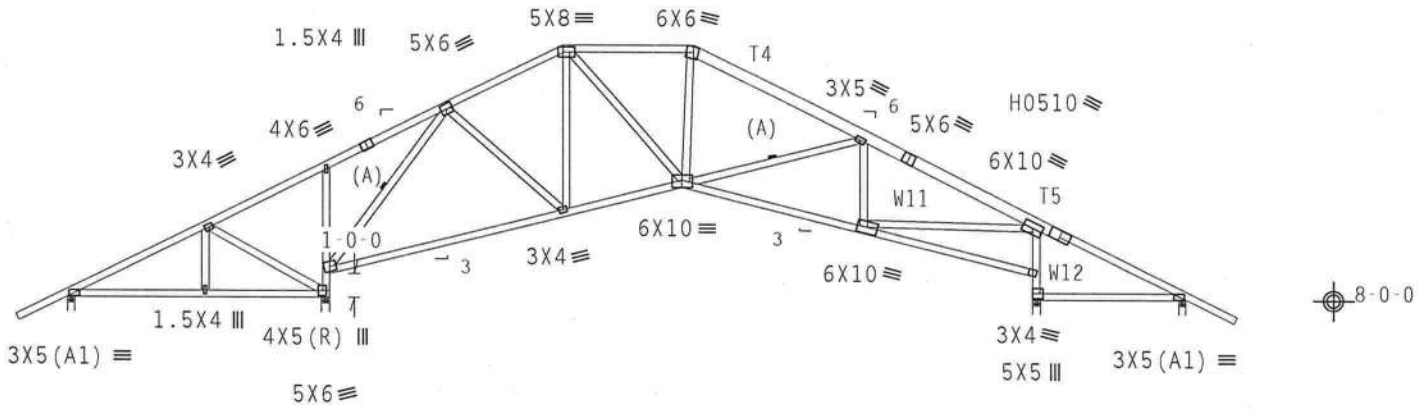
(A) Continuous lateral bracing equally spaced on member.

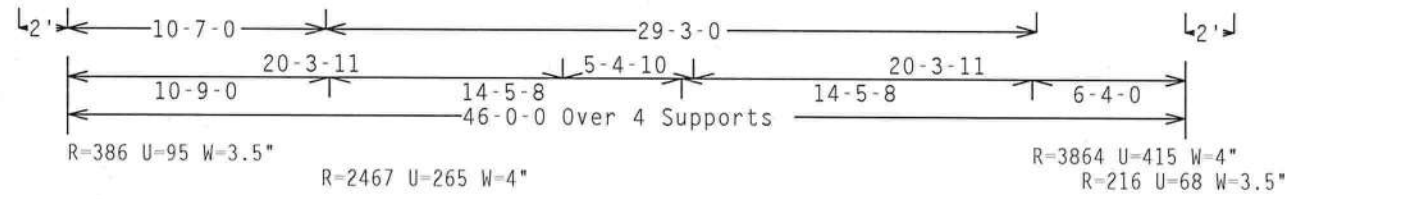
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/ SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave — Cq/RT=1.00(1.25)/10(0) 7.36.00 — QTY:9 FL/-/4/-/-/R/- — Scale =.125"/Ft.

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES H. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct 8,2008

TC LL	20.0 PSF	REF R8228- 39055
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281003
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 44813
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

(8-245P--Fill in later MILTON SMITH -- , ** - A3)

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

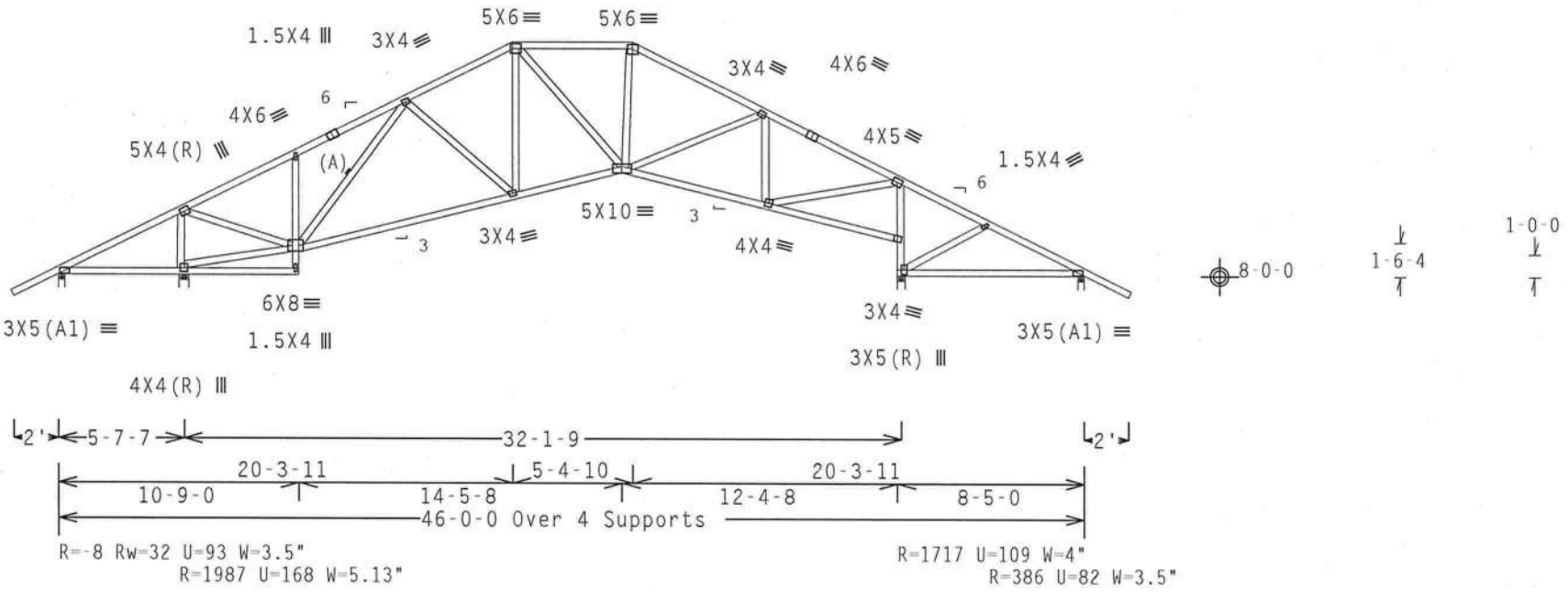
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.00.042 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct [illegible], 08

TC LL	20.0 PSF	REF R8228- 39057
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281005
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 44831
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

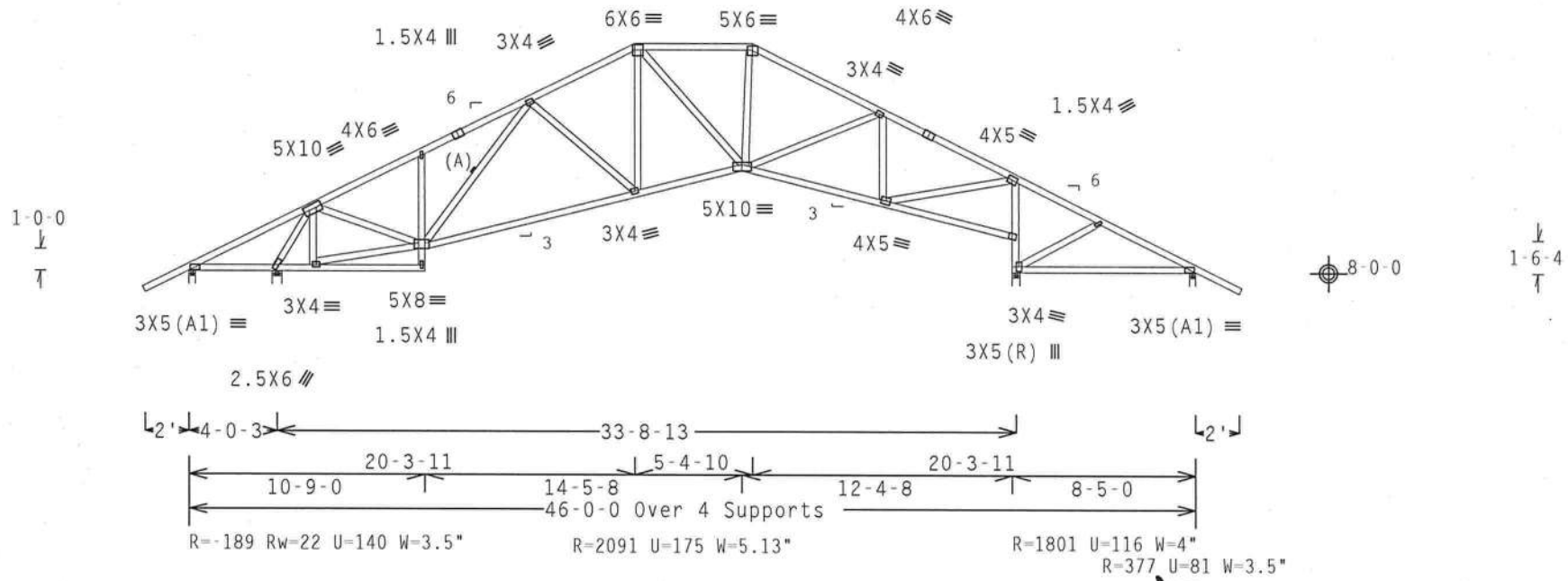
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Negative reaction(s) of -188# MAX. (See below) from a non-wind load case requires uplift connection.

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

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.00.0[illegible]24/48 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct [illegible]

TC LL	20.0 PSF	REF R8228- 39058
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281006
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 44836
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

(8-245P--Fill in later MILTON SMITH -- , ** - A1)

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

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

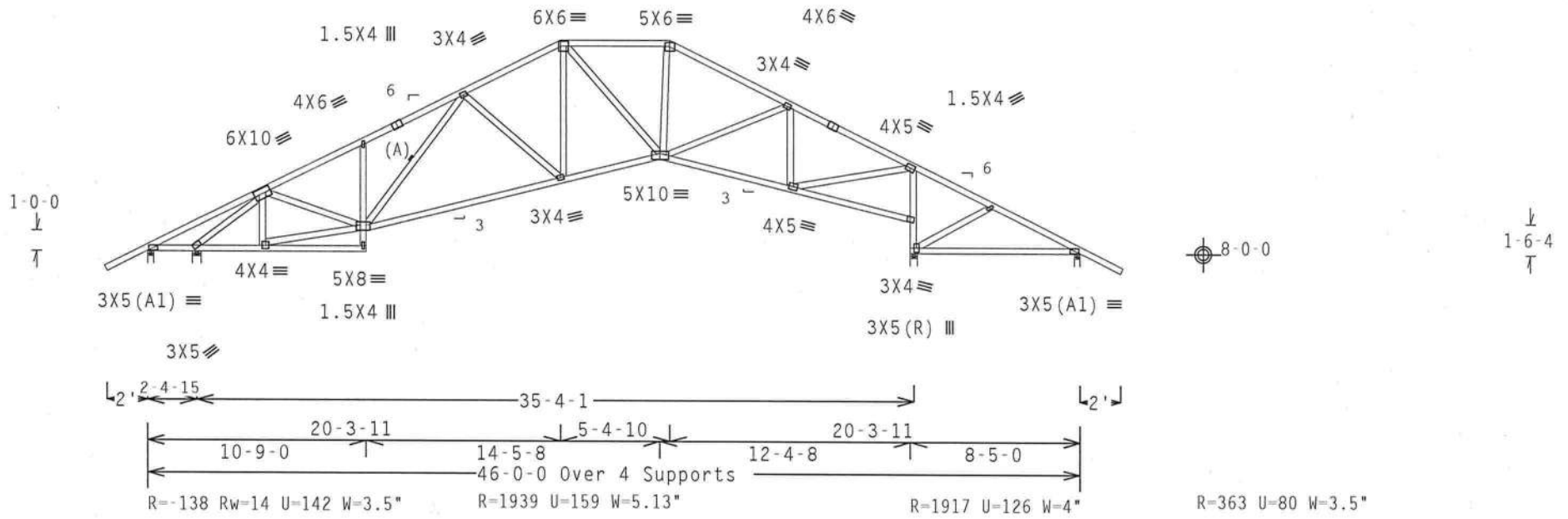
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.00 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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

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JAMES E. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct 07 '08

TC LL	20.0 PSF	REF R8228- 39059
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281007
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 44841
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.62 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

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

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

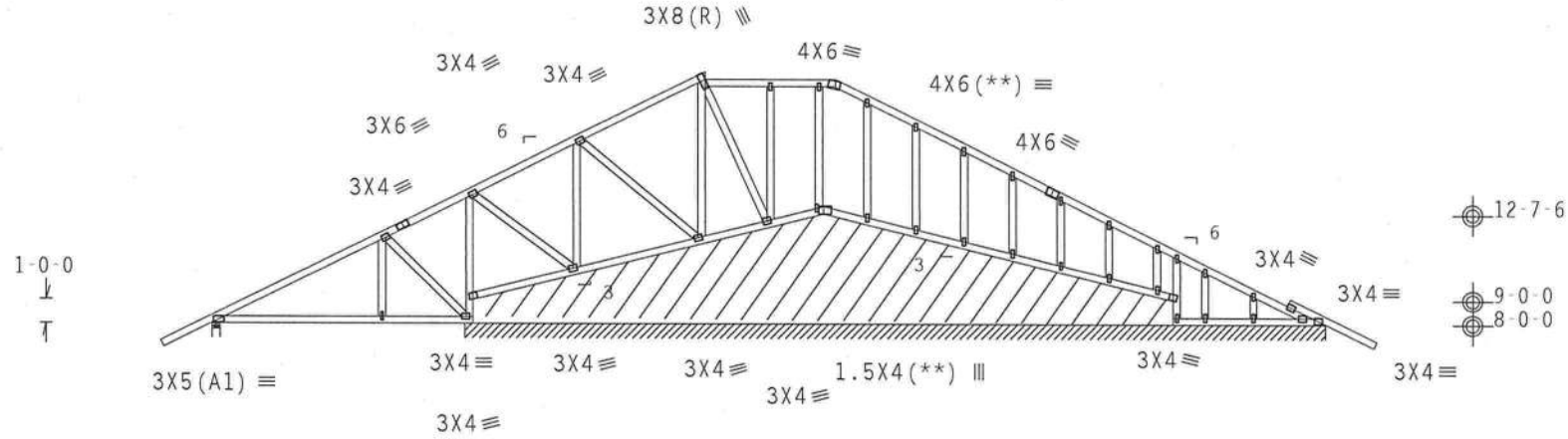
Wind reactions based on MWFRS pressures.

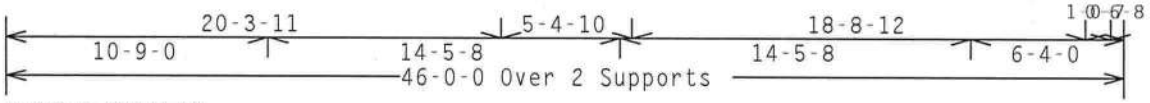
Roof overhang supports 2.00 psf soffit load.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

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





R=843 U=330 W=4"
R=176 PLF U=31 PLF W=35-7-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.00.143

FL/-/4/-/-/R/- Scale =.125"/Ft.

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

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

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct 07 08

TC LL	20.0 PSF	REF R8228- 39060
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281008
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 44870
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

(8-245P--Fill in later MILTON SMITH -- , ** - AGE)

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

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

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

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

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

Wind reactions based on MWFRS pressures.

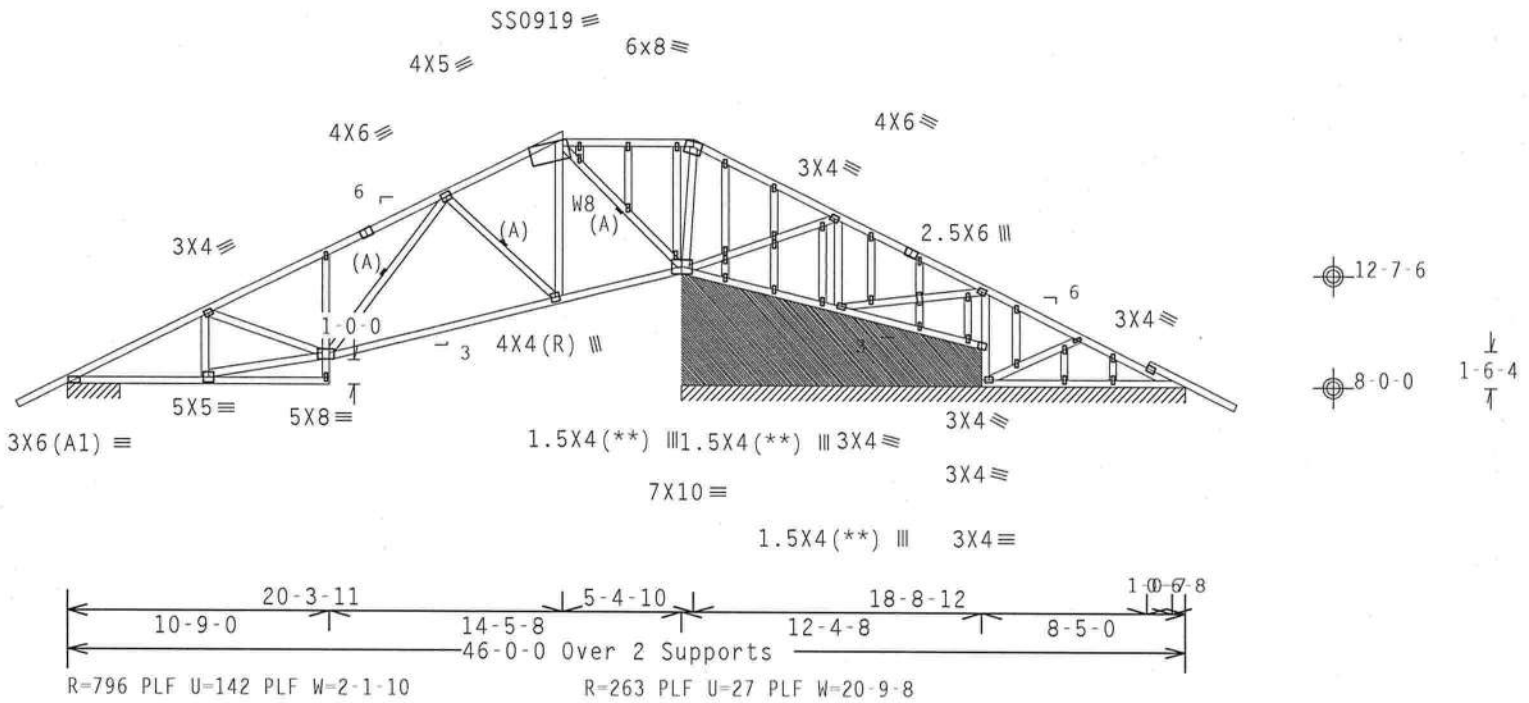
Roof overhang supports 2.00 psf soffit load.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

(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.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.00 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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

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JAMES T. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct 07 '08

TC LL	20.0 PSF	REF	R8228- 39061
TC DL	10.0 PSF	DATE	10/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08281009
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	44864
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TLK8228Z01

(8-245P--Fill in later MILTON SMITH -- , ** - B1)

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

Top chord 2x4 SP #2 Dense :T3 2x6 SP #2: :T4 2x8 SP SS:
Bot chord 2x4 SP #2 Dense :B3 2x6 SP #2:
Webs 2x4 SP #3 :W5 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.21" due to live load and 0.33" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

Shim all supports to solid bearing.

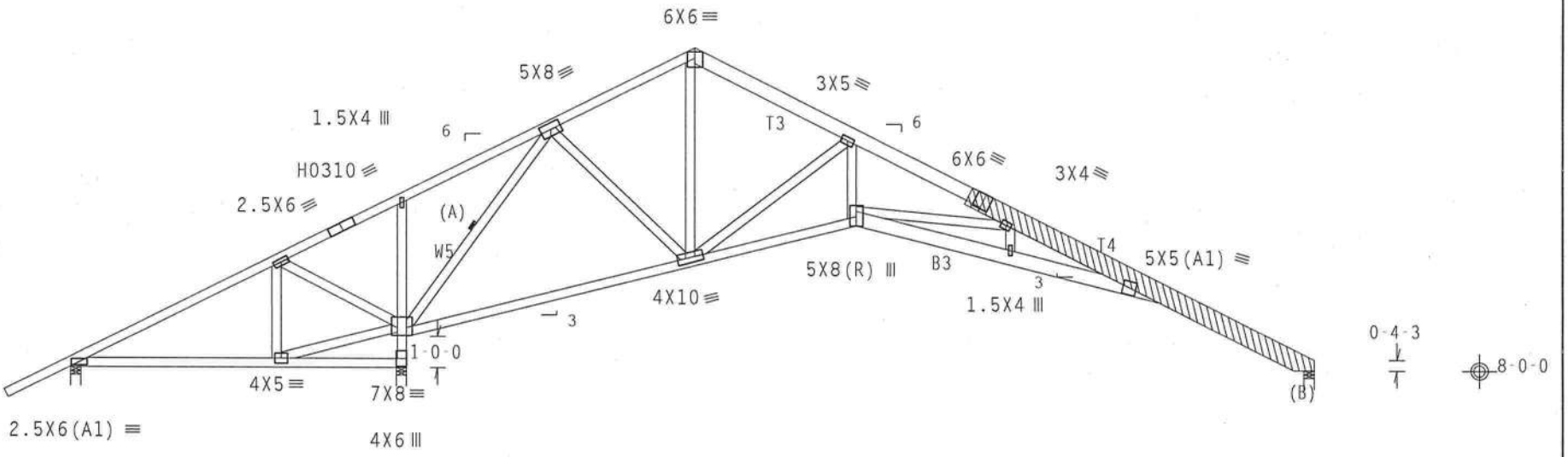
** Negative reaction(s) of -659# MAX. (See below) from a non-wind load case requires uplift connection.

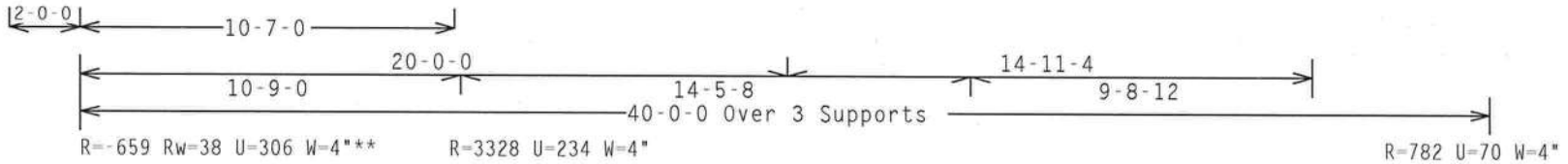
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

(B) (1) 2x8x12-5-14 SP SS scab at right end. Attach scab to face of chord with: 10d_Box_or_Gun_(0.128"x3",_min.)_nails @ 8" OC, plus additional nail clusters at : BRG.: (3), heel: (5), 1st panel point: (3).





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.00.0 QTY:4 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct 07 08

TC LL	20.0 PSF	REF R8228- 39062
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281017
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 44606
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

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

Roof overhang supports 2.00 psf soffit load.

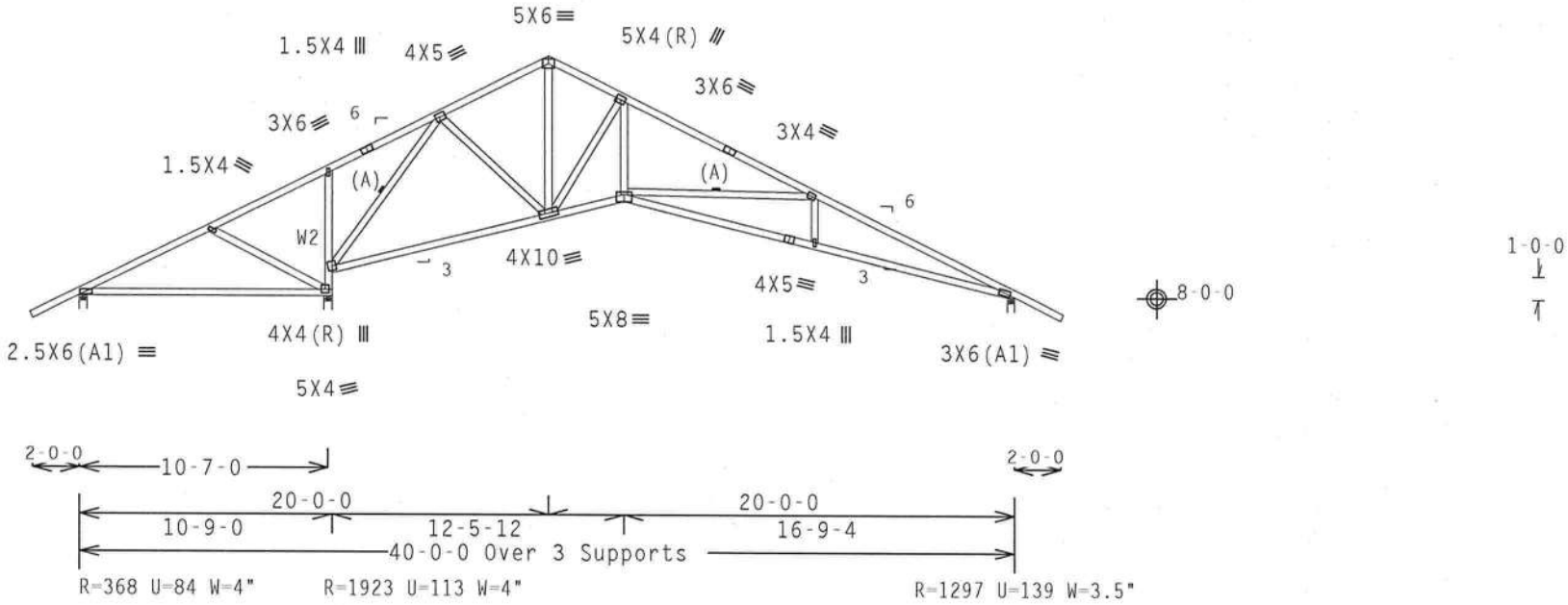
(A) Continuous lateral bracing equally spaced on member.

Shim all supports to solid bearing.

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

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.

PLT TYP. Wave

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

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct 07 '08

TC LL	20.0 PSF	REF R8228- 39063
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281010
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 44715
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

(8-245P--Fill in later MILTON SMITH -- , ** - BGE)

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

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

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

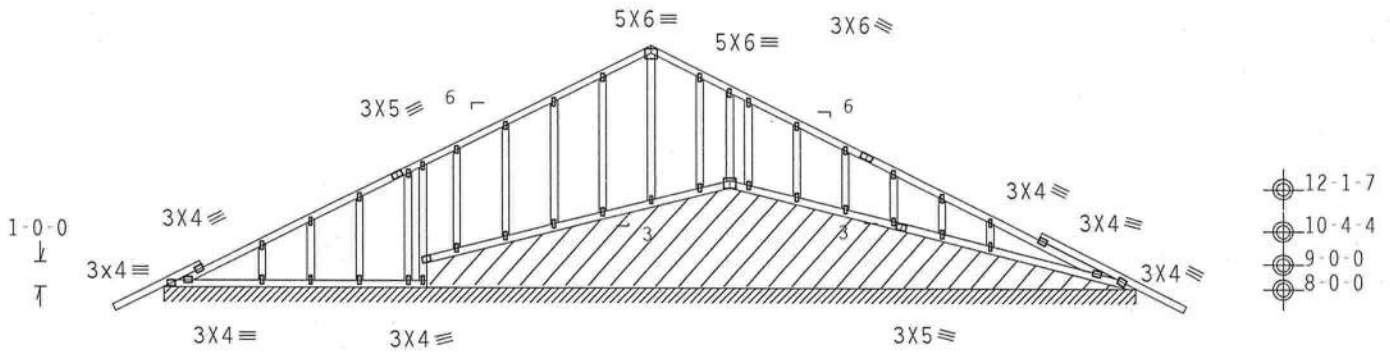
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

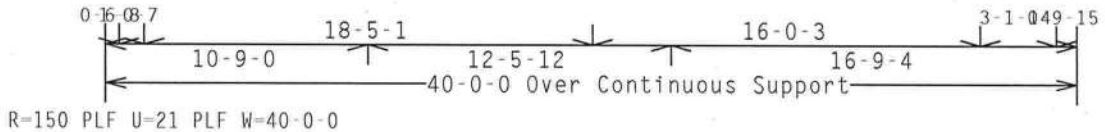
Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

Shim all supports to solid bearing.

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





R=150 PLF U=21 PLF W=40-0-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.00 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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

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

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JAMES F. COLANS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct 07 08

TC LL	20.0 PSF	REF	R8228- 39064
TC DL	10.0 PSF	DATE	10/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08281011
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	44736
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TLK8228Z01

(8-245P--Fill in later MILTON SMITH -- , ** - C)

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

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

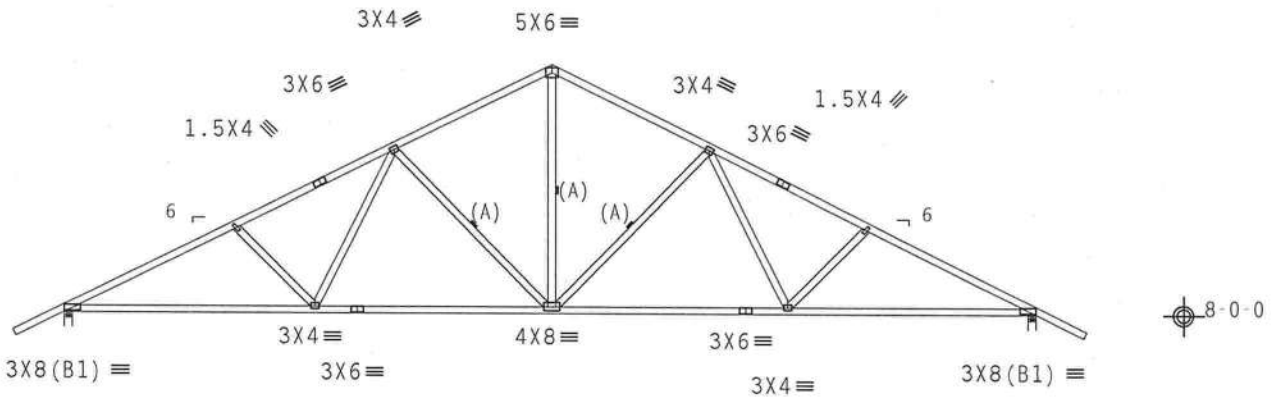
Roof overhang supports 2.00 psf soffit load.

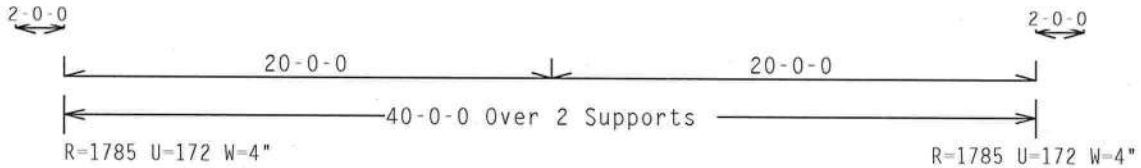
(A) Continuous lateral bracing equally spaced on member.

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

Wind reactions based on MWFRS pressures.

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





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00 [illegible] QTY:2 FL/-/4/-/-/R/- Scale =.125"/Ft.

PLT TYP. Wave

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct 07 [illegible]

TC LL	20.0 PSF	REF R8228- 39065
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281001
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 44644
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B1, B2 2x6 SP SS:
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.16" due to live load and 0.24" due to dead load.

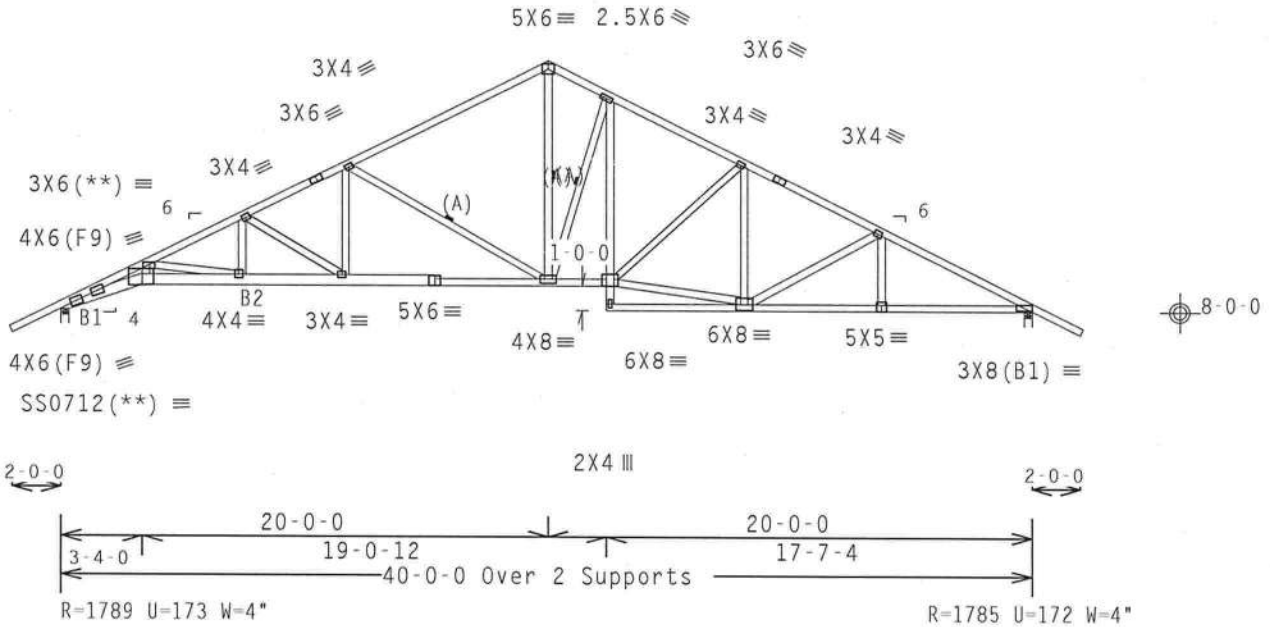
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Wind reactions based on MWFRS pressures.

(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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS,Wave

Cq/RT=1.00(1.25)/10(0) 7.36.00 [illegible] QTY:6 FL/-/4/-/-/R/- Scale =.125"/Ft.

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

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JAMES F. COLLINS JR. LICENSE
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Oct 07 08

TC LL	20.0 PSF	REF R8228- 39066
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281012
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 44703
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1TLK8228Z01

(8-245P--Fill in later MILTON SMITH -- , ** - CGE)

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

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

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

(A) Continuous lateral bracing equally spaced on member.

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.

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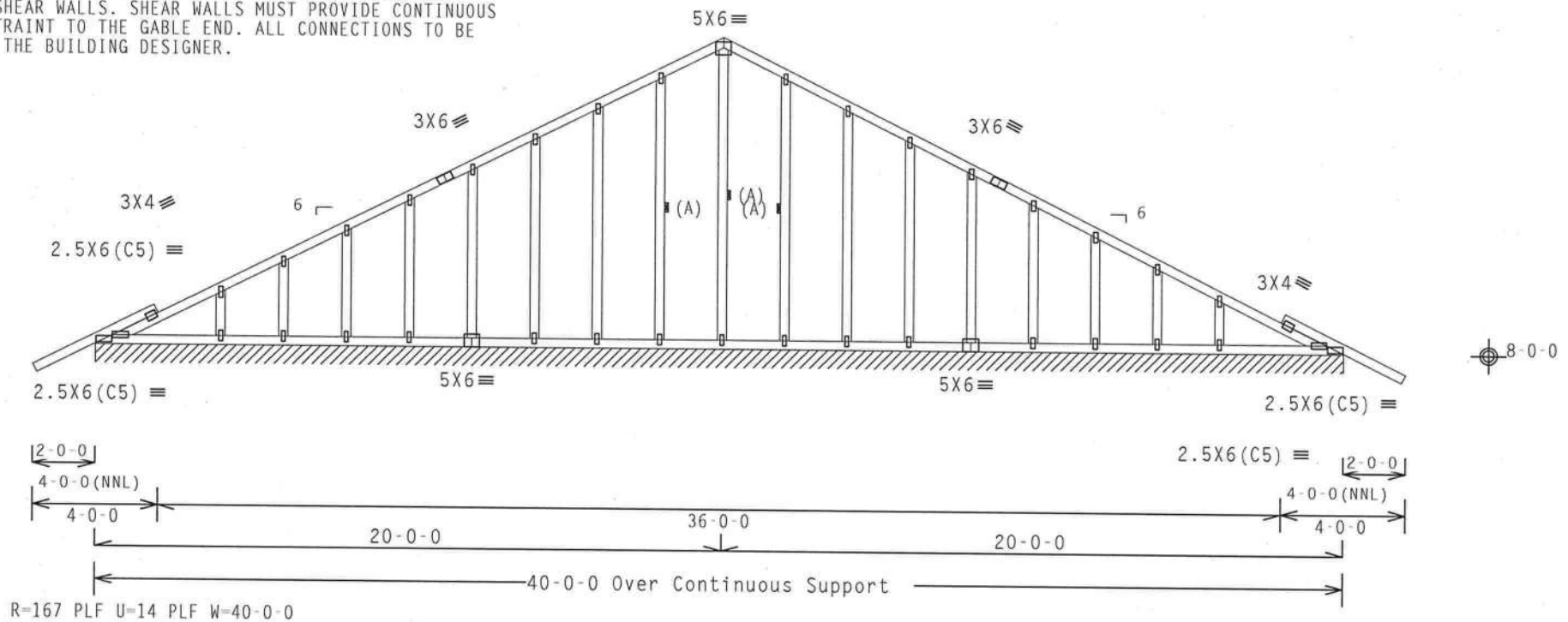
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.00.042 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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JAMES E. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct 07,08

TC LL	20.0 PSF	REF R8228- 39067
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281013
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 44720
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228701

(8-245P--Fill in later MILTON SMITH -- , ** - D)

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

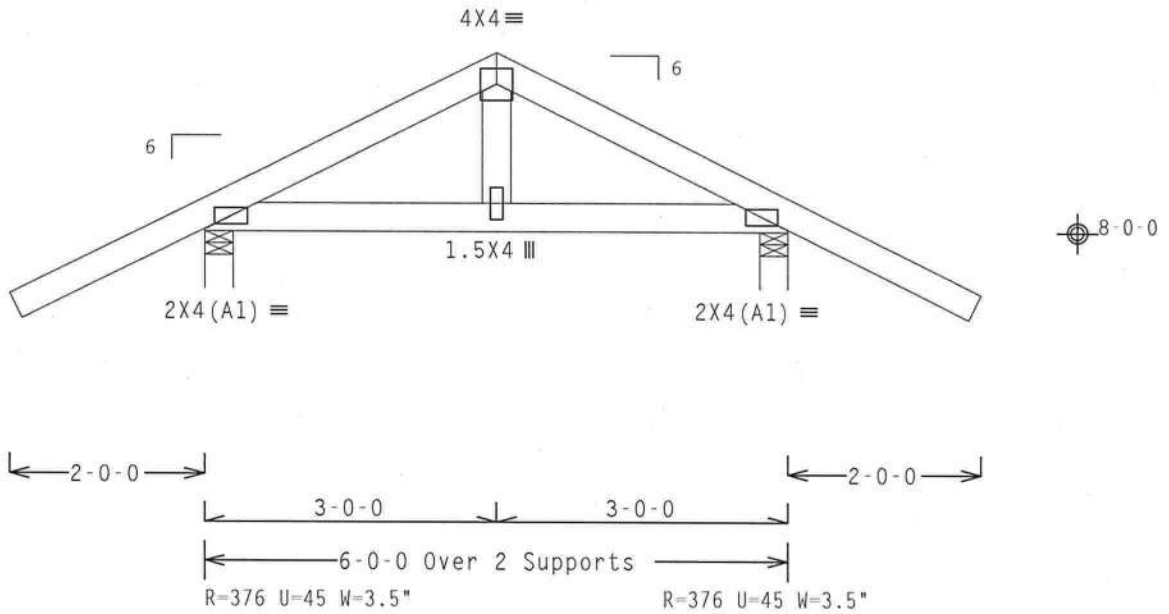
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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

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

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.043

PLT TYP. Wave

QTY:15 FL/-/4/-/-/R/-

Scale =.5"/Ft.

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

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JAMES H. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Oct 0

TC LL	20.0 PSF	REF R8228- 39068
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281002
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 44766
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

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

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

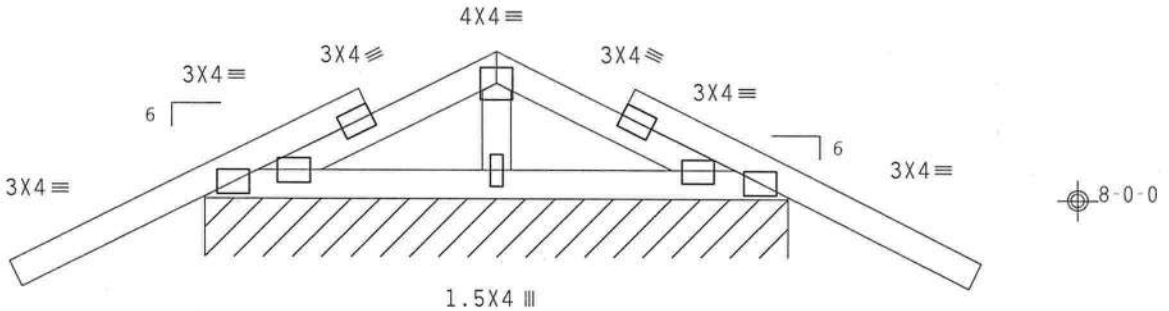
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

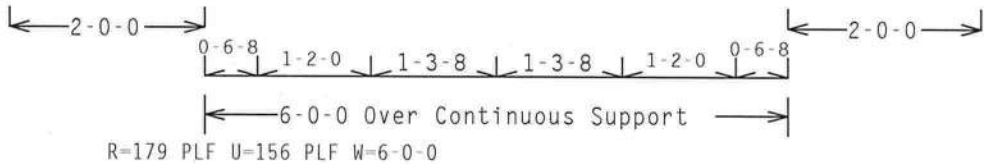
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.





R=179 PLF U=156 PLF W=6-0-0

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.[illegible]

PLT TYP. Wave

QTY:3 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Oct

TC LL	20.0 PSF	REF R8228- 39069
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281014
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 44771
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

(8-245P--Fill in later MILTON SMITH -- , ** - AP)

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

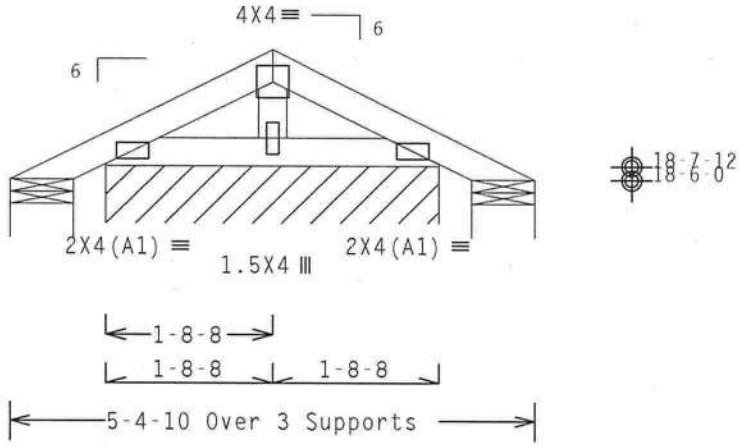
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.17 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf.

Deflection meets L/180 live and L/120 total load. Creep increase factor for dead load is 1.50.



18-7-12
18-6-0

R=19 U=8 W=7.826"
RL=25/-25

R=81 PLF U=21 PLF W=3-5-0

R=19 U=7 W=7.826"

Design Crit: TPI-2002(STD)

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 8.06.00 10 [illegible] QTY:31 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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

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JAMES E. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Oct 07,08

TC LL	20.0 PSF	REF R8228- 39070
TC DL	10.0 PSF	DATE 10/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08281015
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 2098 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TLK8228Z01

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

110 mph wind, 19.17 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 3.56 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

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

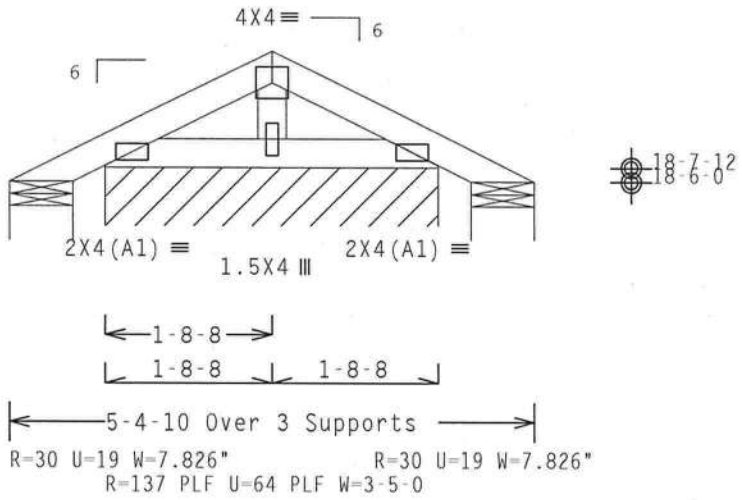
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	62 PLF at	0.00 to	62 PLF at	2.69
TC - From	62 PLF at	2.69 to	62 PLF at	5.39
BC - From	4 PLF at	0.00 to	4 PLF at	5.39

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.00.042 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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JAMES A. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oct 8,2008

TC LL	20.0 PSF	REF	R8228- 39071
TC DL	10.0 PSF	DATE	10/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08281016
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	44821
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TLK8228Z01

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

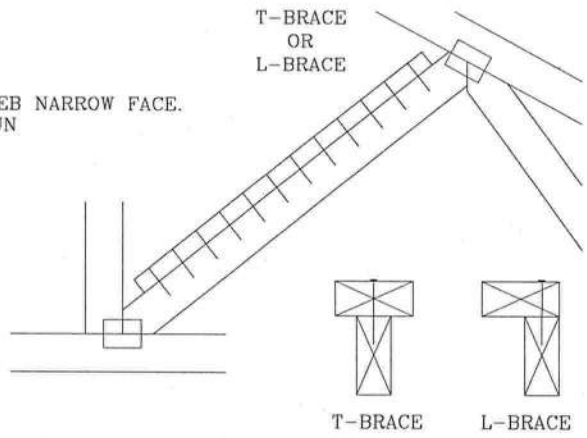
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

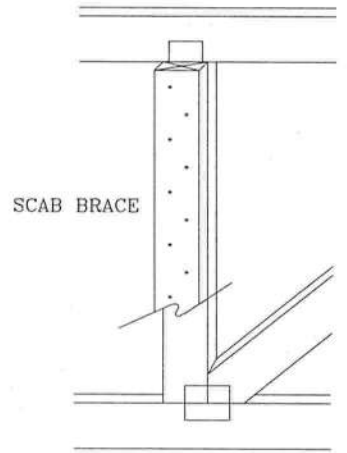
T-BRACING OR L-BRACING:

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



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3.",MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 07 '08

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

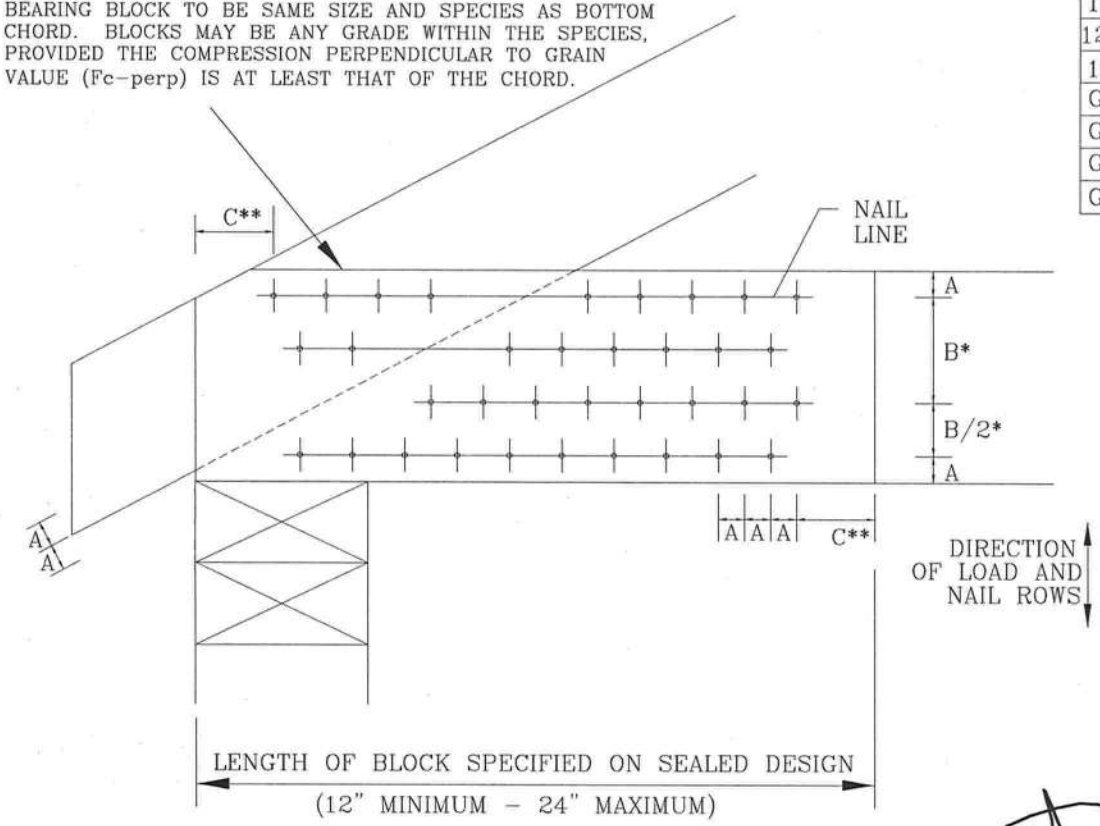
BEARING BLOCK NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

A – EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B – SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C – END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
- • SPACING MAY BE REDUCED BY 50%
- •• SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE 2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"X 2.5",MIN)	3	6	9	12	15
10d BOX (0.128"X 3.",MIN)	3	5	7	10	12
12d BOX (0.128"X 3.25",MIN)	3	5	7	10	12
16d BOX (0.135"X 3.5",MIN)	3	5	7	10	12
20d BOX (0.148"X 4.",MIN)	2	4	5	6	8
8d COMMON (0.131"X 2.5",MIN)	3	5	7	10	12
10d COMMON (0.148"X 3.",MIN)	2	4	6	8	10
12d COMMON (0.148"X 3.25",MIN)	2	4	6	8	10
16d COMMON (0.162"X 3.5",MIN)	2	4	6	8	10
GUN (0.120"X 2.5",MIN)	3	6	8	11	14
GUN (0.131"X 2.5",MIN)	3	5	7	10	12
GUN (0.120"X 3.",MIN)	3	6	8	11	14
GUN (0.131"X 3.",MIN)	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	2"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
10d COMMON (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X 3.5",MIN)	1'	2"	2 1/2"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
06 04 '08

REF	BEARING BLOCK
DATE	2/23/07
DRWG	CNBRGBLK0207
-ENG	SJP/KAR

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR

#1 / #2	STANDARD
#3	STUD

HEM-FIR

#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH

#3
STUD
STANDARD

SOUTHERN PINE

#3
STUD
STANDARD

GROUP B:

HEM-FIR

#1 & BTR
#1

SOUTHERN PINE

#1
#2

DOUGLAS FIR-LARCH

#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

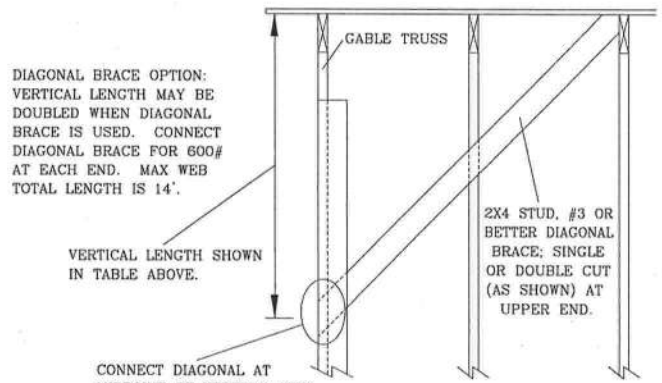
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

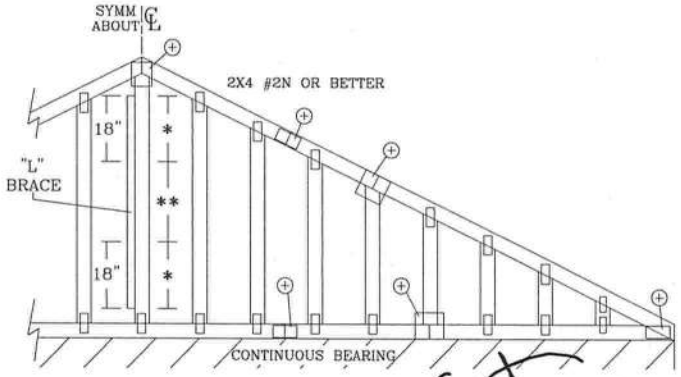
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

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

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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Oct 07 '08

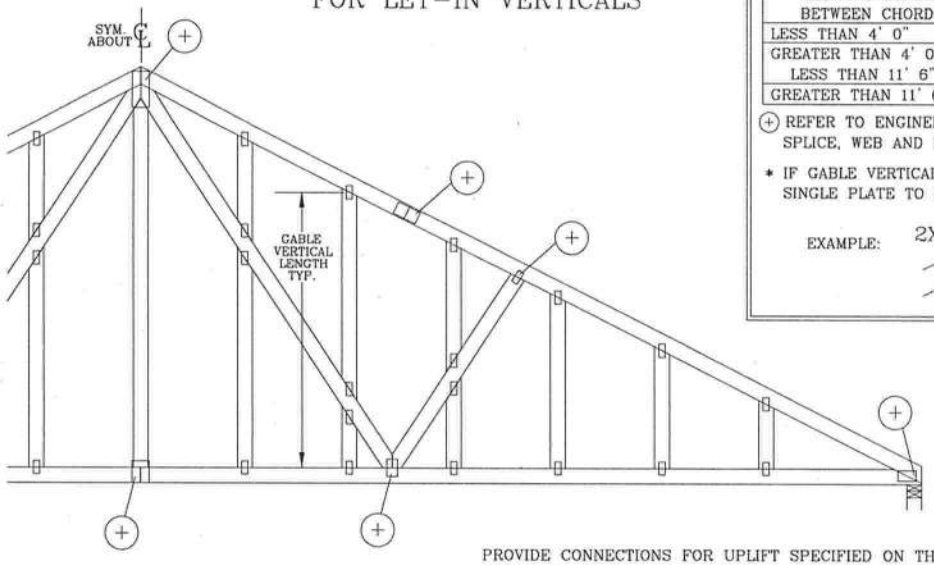
JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	2/23/07
DRWG	A11015EE0207
-ENG	

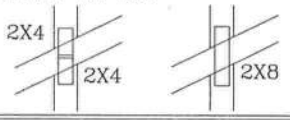
GABLE DETAIL
FOR LET-IN VERTICALS

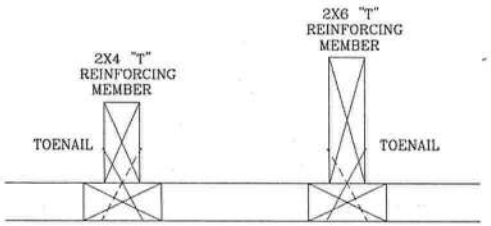


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE: 



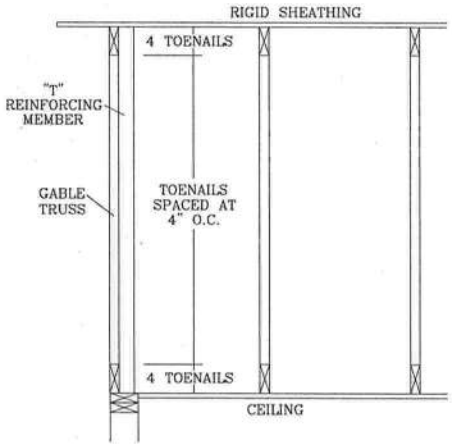
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207,
A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207,
A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207,
A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207
ASCE 7-05 GABLE DETAIL DRAWINGS
A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207,
A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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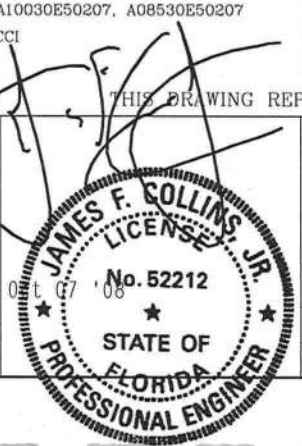


Oct 07 '08

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

REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLLETIN0207
-ENG	DLJ/KAR

PIGGYBACK DETAIL

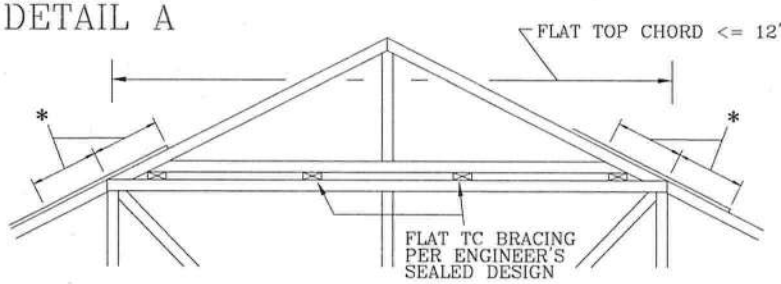
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, CLOSED BLGD, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATLY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

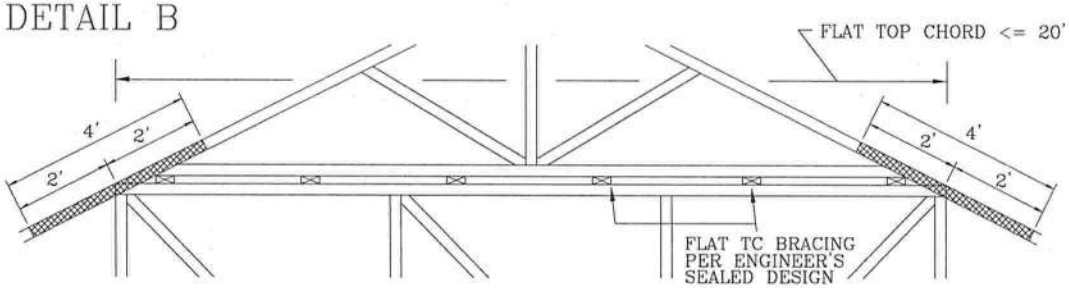
DETAIL A



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5") OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

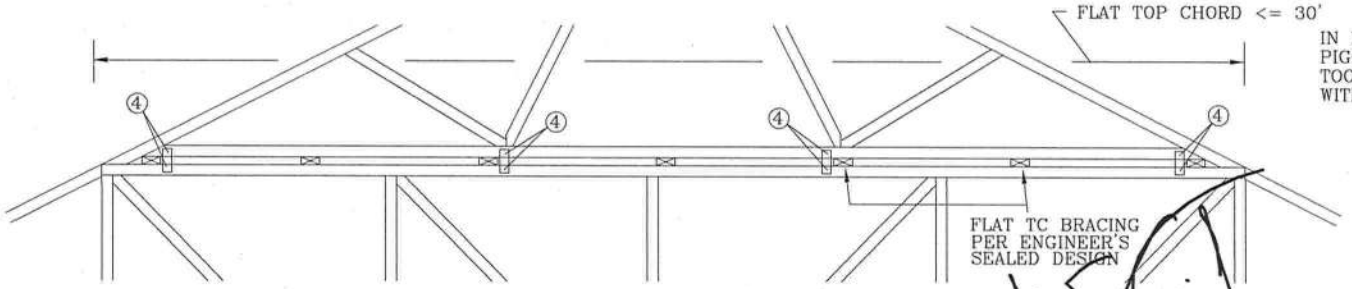
DETAIL B



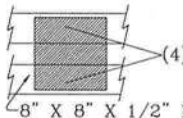
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"X3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C

CAP TRUSS TOENAILED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.



IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.



8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 8d COMMON NAILS PER GUSSET, (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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Oct 07 '08

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	PIGBACKA0207
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD.	MAX 60 PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

PIGGYBACK DETAIL

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

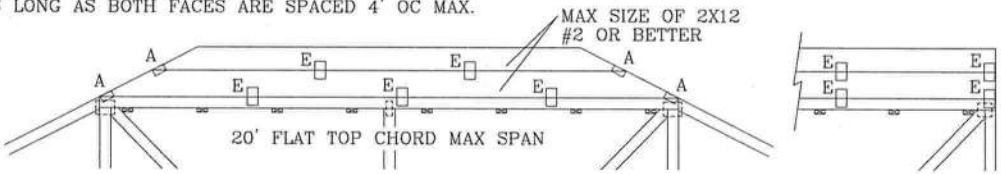
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

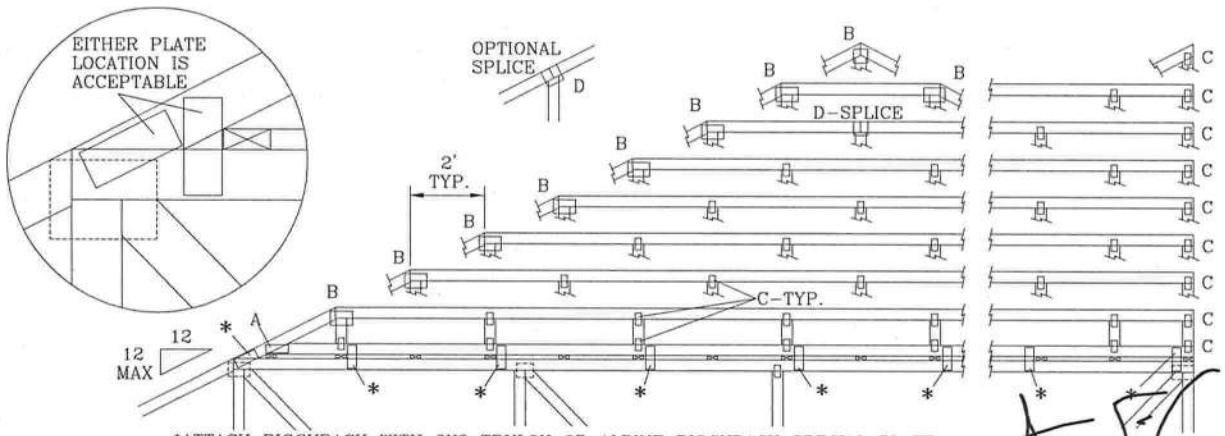
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30' MEAN HGT, ASCE 7-98, ASCE 7-02 OR ASCE 7-05, CLOSED BLGD, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

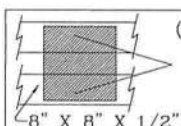
110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.





*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.



(4) 6d BOX (0.099"X 2.",MIN) NAILS.

8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 6d BOX (0.099"X 2.",MIN) NAILS PER GUSSET.

(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

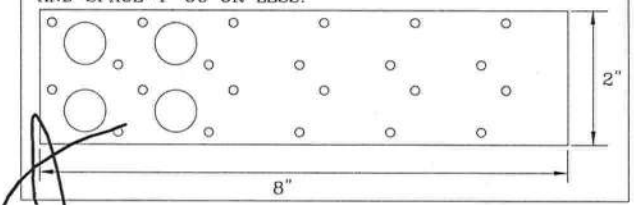
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113"X 2.5",MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135"X 3.5",MIN) NAILS AT 4" OC

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Oc 07 '08

MAX LOADING
55 PSF AT 1.33 DUR. FAC.
50 PSF AT 1.25 DUR. FAC.
47 PSF AT 1.15 DUR. FAC.
SPACING 24.0"

REF	PIGGYBACK
DATE	2/23/07
DRWG	PIGBACKB0207
-ENG	DLJ/KAR

ASCE 7-02: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

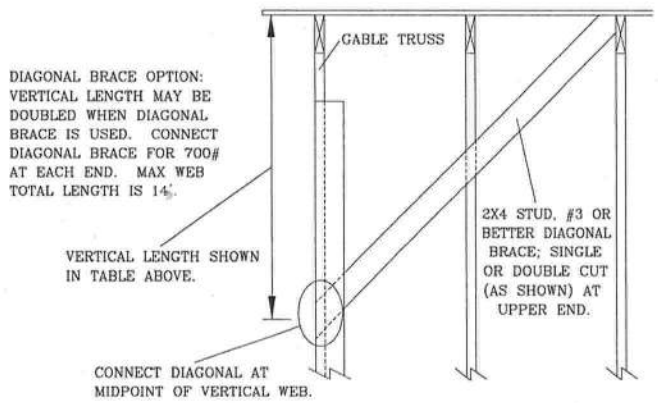
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

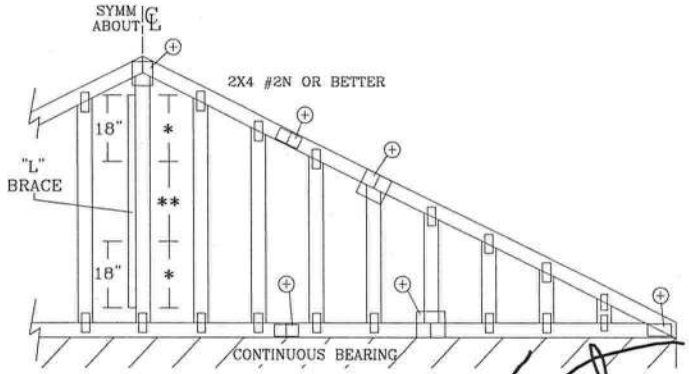
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

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

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW, BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W,K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Oct 07 08

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11030
DATE	2/23/07
DRWG	A11030EE0207
-ENG	

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 27-5S-17-09419-000 **Building permit No.** 000027444

Use Classification ADDITION TO SFD **Fire:** 0.00

Permit Holder GERALD M. SMITH, SR. **Waste:**

Owner of Building MARY B.SUMMERFIELD **Total:** 0.00

Location: 12436 S. US HIGHWAY 441, LULU, FL

Date: 04/13/2009

Wayne A. Rust

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)