

DATE07/25/2007

Columbia County Building Permit

PERMIT000026055

This Permit Expires One Year From the Date of Issue

APPLICANTDAWN REFAELOV

PHONE497-2737

ADDRESSPO BOX 414

FORT WHITE

FL32038

OWNERREUVEN &DAWN REFAELOV

PHONE497-2737

ADDRESS459SW WINTHROP PLACE

FORT WHITE

FL32038

CONTRACTOROWNER

PHONE

LOCATION OF PROPERTY47 S, R 238, R HENDERSON DR, R SW WHINTHROP PL,

2ND FROM THE END ON LEFT

TYPE DEVELOPMENTSFD,UTILITY

ESTIMATED COST OF CONSTRUCTION97200.00

HEATED FLOOR AREA1944.00

TOTAL AREA3224.00

HEIGHT21.00

STORIES1

FOUNDATIONCONCRETE

WALLSFRAMED

ROOF PITCH5/12

FLOORSLAB

LAND USE & ZONINGA-3

MAX. HEIGHT35

Minimum Set Back Requirments:

STREET-FRONT30.00

REAR25.00

SIDE25.00

NO. EX.D.U.0

FLOOD ZONEX

DEVELOPMENT PERMIT NO.

PARCEL ID16-6S-16-03832-247

SUBDIVISIONSPRING RUN UNRC

LOT47

BLOCK

PHASE

UNIT

TOTAL ACRES5.71

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

EXISTING07-0381-E

BK

JH

Y

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS:FLOOR ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash5007

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

date/app. by

date/app. by

date/app. by

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

date/app. by

date/app. by

Framing

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

date/app. by

date/app. by

Permanent power

C.O. Final

Culvert

date/app. by

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

Pool

date/app. by

date/app. by

Reconnection

Pump pole

Utility Pole

date/app. by

date/app. by

date/app. by

M/H Pole

Travel Trailer

Re-roof

date/app. by

date/app. by

date/app. by

BUILDING PERMIT FEE \$490.00

CERTIFICATION FEE \$16.12

SURCHARGE FEE \$16.12

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 FEE597.24

INSPECTORS OFFICE

CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

JAC:jmc
3-87-2452
12/18/87

RAMCO FORM 6 1/2 A

PAID IN FULL

This Indenture

day of December

1987 JAN 4 D. 19 87

Between

REUVEN REF4ELOV and DAWN M. REF4ELOV, his wife,

hereinafter called the Mortgagors , and PATTEN CORPORATION SOUTH-ATLANTIC,

a Virginia corporation,

hereinafter called the Mortgagee ,

Witnesseth, That the said Mortgagors , for and in consideration of the sum of One Dollar to

them in hand paid by the said Mortgagee , the receipt whereof is hereby acknowledged,

have granted, bargained and sold to the said Mortgagee , its heirs and

assigns, forever, the following described land, situate, lying and being in the County of

Columbia , State of Florida , to-wit:

LOT 47 in SPRING RUN SUBDIVISION, an unrecorded subdivision as more particularly described on Exhibit "A" attached hereto and by reference incorporated herein. RESERVING, HOWEVER, to Grantor its successors and/or assigns the right to convey utility easements over and across said property. SUBJECT TO: Distribution Right of Way Easement to Clay Electric Cooperative, recorded June 12, 1987 in Official Records Book 625, pages 226-228; Declaration of Restrictions and Protective Covenants, recorded June 23, 1987 in Official Records Book 626, pages 121-125; Reservations of Mineral Rights and Exploration Rights in connection therewith contained in Warranty Deed dated March 30, 1967, recorded in Official Records Book 220, page 318, and rerecorded in Official Records Book 619, page 785; all in the public records, Columbia County, Florida.

and the said Mortgagor s do hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

Provided Always, That if said Mortgagors , their heirs, legal representatives, or assigns, shall pay unto the said Mortgagee , its legal representatives or assigns, a certain promissory note dated the 18th day of December , A. D. 1987 , for the sum of THIRTEEN THOUSAND FOUR HUNDRED NINETY FIVE AND NO/100 Dollars, payable every two weeks with interest at 15.75 per cent. from December 18, 1987 signed by mortgagors

and shall pay all sums payable hereunder, and perform, comply with and abide by each and every the stipulations, agreements, conditions and covenants of said promissory note and of this mortgage, and shall duly pay all taxes, and also insurance premiums reasonably required, and all costs and expenses including a reasonable attorney's fee, which said Mortgagee may incur in collecting money secured by this mortgage, and also in enforcing this mortgage by suit or otherwise, then this mortgage and the estate hereby created

shall cease and be null and void. **In Witness Whereof**, the said Mortgagor hereunto set

hand and seal the day and year first above written.

Signed, sealed and delivered in presence of us:

[Signature]
Karen E. Meister

[Signature]
REUVEN REF4ELOV
[Signature]
DAWN M. REF4ELOV

DOCUMENTARY STAMP 20.25

This Instrument Prepared By:
JILL A. CONY
DARRY, PEELE, BOWDISH, MANASSO & PAYNE
Attorneys at Law
377 North Hernando Street
Tampa, Florida 33605

EX 0641 PG 0206

Columbia County Building Permit Application

ck 5007 5-97.24

For Office Use Only Application # 0707-32 Date Received 7/11/07 By LH Permit # 26055
 Application Approved by - Zoning Official BLK Date 19.07.07 Plans Examiner OKTH Date 7-23-07
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments Site Plan with PLANS

☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit REUVEN & DAWN REFAELOV Phone 386 497 2737

Address _____

Owners Name REUVEN & DAWN REFAELOV Phone 386 497 2737

911 Address 459 SW WINTHROP PLACE FT WHITE FL 32038

Contractors Name OWNER/BUILDER Phone _____

Address _____

Fee Simple Owner Name & Address REUVEN & DAWN REFAELOV

Bonding Co. Name & Address _____

Architect/Engineer Name & Address MARK DISOSWAY

Mortgage Lenders Name & Address N/A

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

Property ID Number 16-65-16-03832-247 Estimated Cost of Construction \$80,000

Subdivision Name SPRING RUN SUBDIVISION Lot 47 Block _____ Unit _____ Phase _____

Driving Directions SOUTH ON SR 47, WEST ON CR 238 7/10 MILE, NORTH ON HENDERSON, EAST ON NW WINTHROP PL TO PROPERTY ON NORTH SIDE OF STREET

Type of Construction RESIDENCE (SINGLE FAM) Number of Existing Dwellings on Property 3

Total Acreage 5.71 Lot Size NO Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 600 Side 70 Side 200 Rear 100

Total Building Height 21' Number of Stories 1 Heated Floor Area 1944 Roof Pitch 12/5

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.

OWNERS AFFIDAVIT: 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.

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

Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA



Sworn to (or affirmed) and subscribed before me

this 11 day of 07 2007.

Personally known or Produced Identification FLDL

Contractor Signature
Contractors License Number _____
Competency Card Number _____
NOTARY STAMP/SEAL

L. John
Notary Signature

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION

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

IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE
RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 16-6S-16-03832-247

Permit Number 26055

1. Description of property: (legal description of the property and street address or 911 address)

COMM NW COR OF NE 1/4 OF NE 1/4 RUN W 335.08 FT
FOR POB, CONT W 330 FT, S 754.54 FT, E 330 FT, N 754.50
FT TO POB

459 NW WINTHROP PLACE, FORT WHITE

2. General description of improvement: NEW CONSTRUCTION - RESIDENCE

3. Owner Name & Address REUVEN & DAWN REFAELOV, POB 414
FORT WHITE FL 32038 Interest In Property OWNER

4. Name & Address of Fee Simple Owner (if other than owner): 2737

5. Contractor Name OWNER/BUILDER Phone Number 386 497 2381
Address _____

6. Surety Holders Name N/A Phone Number _____
Address _____

Amount of Bond _____

7. Lender Name N/A Address _____
Inst: 200712016633 Date: 7/25/2007 Time: 10:35 AM
DC, P. DeWitt Cason, Columbia County Page 1 of 1

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be
served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name N/A Phone Number _____
Address _____

9. In addition to himself/herself the owner designates N/A of
_____ to receive a copy of the Lien Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of
recording, (Unless a different date is specified) _____

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN
IN HIS/HER STEAD.

[Signature]
Signature of Owner

Sworn to (or affirmed) and subscribed before day of 7/25

[Signature]
Signature of Notary

NOTARY STAMP/SEAL





STATE OF FLORIDA
DEPARTMENT OF HEALTH

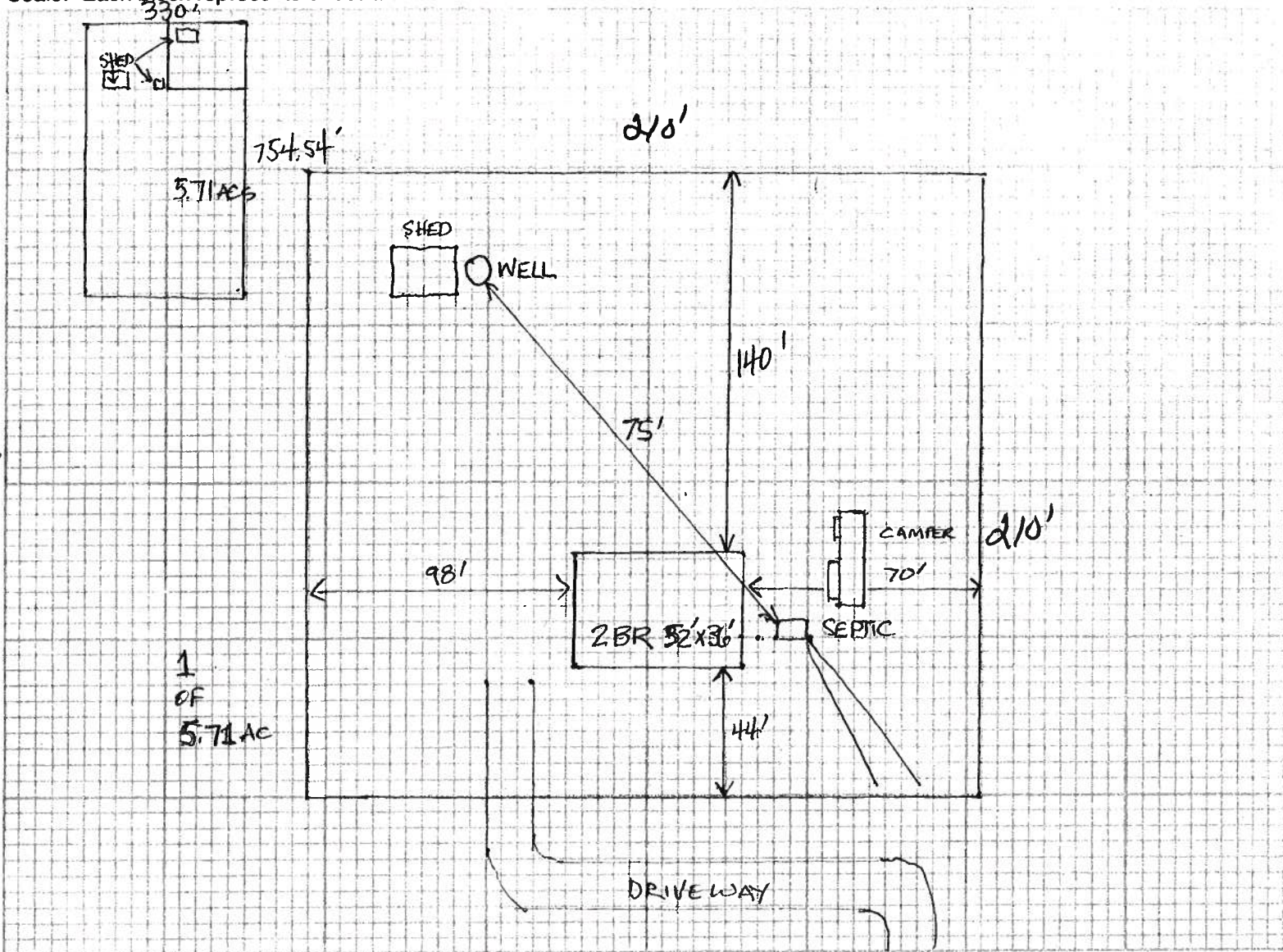
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

07-0381R

PART II - SITE PLAN

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



Notes:

Site Plan submitted by: DAWN

Signature

Not Approved

OWNER

Title

Date 5.10.07

Plan Approved

By: Salhi A. Haddy ESII

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling
☐ Farm Outbuilding

- ☐ Two-Family Residence
☐ Other _____

NEW CONSTRUCTION OR IMPROVEMENT

- ☐ New Construction
☐ Addition, Alteration, Modification or other Improvement

I DAWN REFAELOV, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number 26055

[Signature]
Owner Builder Signature Date 7/11/07



The above signer is personally known to me or produced identification FL DL

Notary Signature [Signature] Date 7/11/07 (Stamp / Seal)

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 7/28/07 Building Official/Representative [Signature]

Reuven & Dawn Refaelov
PO Box 414
Fort White, FL 32038

Laurie Hodson
Columbia County Building & Zoning Dept
135 NE Hernando Ave.
Suite B-21
Lake City, FL 32055

July 1, 2009

Dear Laurie:

I am writing to request an extension to our Building Permit #26055. We are working steadily at the house as we earn the money rather than having taken a bank loan. We are making good progress having just finished the interior paint and installation of the electrical receptacles and switches. We hope to receive our OC and to move in by winter this year. We appreciate all your assistance. Thank you.

Regards,



Dawn Refaelov

Reuven & Dawn Refaelov
PO Box 414
Fort White, FL 32038

Laurie Hodson
Columbia County Building & Zoning Dept
135 NE Hernando Ave.
Suite B-21
Lake City, FL 32055

April 1, 2009

Dear Laurie:

I am writing to request an extension to our Building Permit #26055. We are working steadily at the house as we earn the money rather than having taken a bank loan. We are making good progress having just finished the drywall, mud, and texture. Starting to paint soon. We appreciate all your assistance. Thank you.

Regards,



Dawn Refaelov

Refaelov
PO Box 414
Fort White, FL 32038

LAURE

~~Lori~~ Hodson
Columbia County Building & Zoning
135 NE Hernando Avenue
Lake City, FL 32055


July 25, 2008

Mrs Hodson:

I am requesting an extension to our building permit, number 26055. The reason for this request is our need for more time. We are building as we have money for materials, rather than taking a loan to complete the house. We are currently in the process of correcting the windows ordered in error by Home Depot. Our next project is to install the furring strips and foam on the interior side of the block walls as well as to install the deadwood for the drywall installation later.

Thank you in advance for all your assistance.

Regards,

A handwritten signature in black ink, appearing to read 'Dawn', with a stylized flourish extending to the right.

Dawn Refaelov

Refaelov
PO Box 414
Fort White, FL 32038

LAURIE

~~Lori~~ Hodson
Columbia County Building & Zoning
135 NE Hernando Avenue
Lake City, FL 32055

October 25, 2008

Mrs Hodson:

I am requesting another extension to our building permit, number 26055. The reason for this request is our need for more time. We are building as we have money for materials, rather than taking a loan to complete the house. We are currently in the process of installing the foam insulation between the furring strips interior side of the block walls. We are also preparing to install the mechanical ductwork for the HVAC system.

Thank you in advance for all your assistance.

Regards,



Dawn Refaelov

Refaelov
PO Box 414
Fort White, FL 32038

~~LAURIE~~
~~LOH~~ Hodson
Columbia County Building & Zoning
135 NE Hernando Avenue
Lake City, FL 32055

January 25, 2008

Mrs Hodson:

I am requesting another extension to our building permit, number 26055. The reason for this request is our need for more time. We are building as we have money for materials, rather than taking a loan to complete the house. We are currently in the process of installing insulation between the interior stud walls. We are also preparing to install the drywall soon.

Thank you in advance for all your assistance.

Regards,



Dawn Refaelov

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

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	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Site Plan including:</u> 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.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Wind-load Engineering Summary, calculations and any details required</u> 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, I_w , 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/m^2) to be used for the design of exterior component and cladding materials not specifi ally designed by the registered design professional.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Elevations including:</u> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation

Arch.

- ☒ ☐ d) Location, size and height above roof of chimneys. ✓
☒ ☐ e) Location and size of skylights - N/A
☒ ☐ 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 ^{STOVE} hearth, (Please circle applicable type).
☐ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails. N/A
☒ ☐ h) Must show and identify accessibility requirements (accessible bathroom) - All doors -
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. N/A
☐ ☐ 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 (termicide 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:

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

□

□

N/A *Block*

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 (termiteicide 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)

□

□

N/A

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

□

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Poured Floor

N/A

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

1/2 HP EXISTING
600 GAL

FILED w/ CNTY.
MYER 1089

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)
- N/A 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
- N/A 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
- N/A 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.**
- EXISTING ADDRESS 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

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	PELLA WINDOW + DOOR	ENTRY DOUBLE/SINGLE/FRENCH	
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	PELLA WINDOW + DOOR		
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
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.

APPLICANT SIGNATURE

DATE

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	706275Refaelov,Reuven&Dawn	Builder:	Owner
Address:	Lot: 47, Sub: Spring Run, Plat:	Permitting Office:	26055
City, State:	Columbia, FL	Permit Number:	
Owner:	Refaelov, Reuven & Dawn	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 32.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	2	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1944 ft²	13. Heating systems	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 32.0 kBtu/hr
a. U-factor:	Description Area		HSPF: 7.90
(or Single or Double DEFAULT) 7a. (Sngle, U=0.3)	80.0 ft²	b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT) 7b. (SHGC=0.5)	304.0 ft²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 40.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 180.0(p) ft		EF: 0.93
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 1236.0 ft²	DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 1944.0 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 140.0 ft		
b. N/A			

Glass/Floor Area: 0.16

Total as-built points: 18243

Total base points: 25232

PASS

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

PREPARED BY: [Signature]

DATE: 7-6-07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 47, Sub: Spring Run, Plat: , Columbia, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area											
				Type/SC	Overhang Ornt Len Hgt			Area X SPM X	SOF = Points		
.18	1944.0	20.04	7012.4	Single,U=0.30,SHGC=0.5	NE	8.0	4.0	9.0	24.06	0.47	102.7
				Single,U=0.30,SHGC=0.5	NE	8.0	6.0	40.0	24.06	0.53	509.6
				Single,U=0.30,SHGC=0.5	NE	8.0	6.0	40.0	24.06	0.53	509.6
				Single,U=0.30,SHGC=0.5	NE	8.0	6.0	15.0	24.06	0.53	191.1
				Single,U=0.30,SHGC=0.5	SE	1.5	0.0	36.0	33.95	0.38	463.7
				Single,U=0.30,SHGC=0.5	SE	1.5	0.0	3.0	33.95	0.38	38.6
				Single,U=0.30,SHGC=0.5	SW	8.0	5.0	12.0	32.00	0.42	159.6
				Single,U=0.30,SHGC=0.5	SW	8.0	6.0	80.0	32.00	0.44	1126.1
				Single,U=0.30,SHGC=0.5	SW	8.0	6.0	20.0	32.00	0.44	281.5
				Single,U=0.30,SHGC=0.5	NW	1.5	0.0	40.0	21.41	0.52	441.6
				Single,U=0.30,SHGC=0.5	NW	1.5	0.0	9.0	21.41	0.52	99.4
				As-Built Total:			304.0			3923.4	
WALL TYPES Area X BSPM = Points				Type		R-Value		Area X SPM		= Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior		13.0		1236.0	1.50		1854.0
Exterior	1236.0	1.70	2101.2								
Base Total:		1236.0	2101.2	As-Built Total:				1236.0			1854.0
DOOR TYPES Area X BSPM = Points				Type				Area X SPM		= Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				60.0	4.10		246.0
Exterior	80.0	4.10	328.0	Exterior Insulated				20.0	4.10		82.0
Base Total:		80.0	328.0	As-Built Total:				80.0			328.0
CEILING TYPES Area X BSPM = Points				Type		R-Value		Area X SPM X SCM		= Points	
Under Attic	1944.0	1.73	3363.1	Under Attic		30.0		1944.0	1.73 X 1.00		3363.1
Base Total:		1944.0	3363.1	As-Built Total:				1944.0			3363.1
FLOOR TYPES Area X BSPM = Points				Type		R-Value		Area X SPM		= Points	
Slab	180.0(p)	-37.0	-6660.0	Slab-On-Grade Edge Insulation		0.0		180.0(p)	-41.20		-7416.0
Raised	0.0	0.00	0.0								
Base Total:			-6660.0	As-Built Total:				180.0			-7416.0
INFILTRATION Area X BSPM = Points								Area X SPM		= Points	
		1944.0	10.21	19848.2				1944.0	10.21		19848.2

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 47, Sub: Spring Run, Plat: , Columbia, FL,

PERMIT #:

BASE				AS-BUILT									
Summer Base Points: 25993.0				Summer As-Built Points: 21900.8									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
25993.0		0.4266	11088.6	(sys 1: Central Unit 32000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 21901 1.00 (1.09 x 1.147 x 0.91) 0.263 1.000 6541.6 21900.8 1.00 1.138 0.263 1.000 6541.6									

PERMIT #:

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 47, Sub: Spring Run, Plat: , Columbia, FL,

PERMIT #:

BASE				AS-BUILT									
Winter Base Points: 14143.4				Winter As-Built Points: 12933.1									
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Heating Points
14143.4		0.6274	8873.6	(sys 1: Electric Heat Pump 32000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0 12933.1 1.000 (1.069 x 1.169 x 0.93) 0.432 1.000 6487.9 12933.1 1.00 1.162 0.432 1.000 6487.9									

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 47, Sub: Spring Run, Plat: , Columbia, FL,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Credit X Multiplier = Total Multiplier
2		2635.00		5270.0	40.0	0.93	2		1.00	2606.67
					As-Built Total:					5213.3

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
11089		8874		5270	6542		6488		5213

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 47, Sub: Spring Run, Plat: , Columbia, 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 88.2

The higher the score, the more efficient the home.

Refaelov, Reuven & Dawn, Lot: 47, Sub: Spring Run, Plat: , Columbia, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 32.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	2	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1944 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 32.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Single, U=0.3) 80.0 ft ²		HSPF: 7.90
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (SHGC=0.5) 304.0 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 180.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1236.0 ft ²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1944.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 140.0 ft		
b. N/A			

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



*NOTE: The home's estimated energy performance 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 EnergyStarTM 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.

Residential System Sizing Calculation

Summary

Refaelov, Reuven & Dawn

Project Title:
706275Refaelov,Reuven&Dawn

Class 3 Rating
Registration No. 0
Climate: North

Columbia, FL

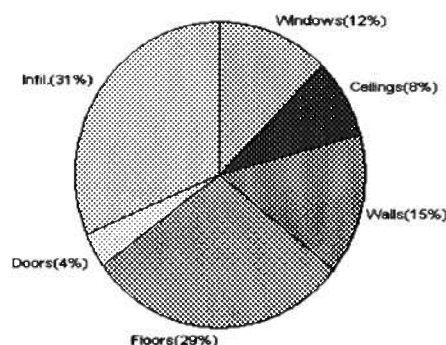
7/6/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	27018 Btuh	Total cooling load calculation	22388 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.4 32000	Sensible (SHR = 0.75)	136.3 24000
Heat Pump + Auxiliary(0.0kW)	118.4 32000	Latent	167.4 8000
		Total (Electric Heat Pump)	142.9 32000

WINTER CALCULATIONS

Winter Heating Load (for 1944 sqft)

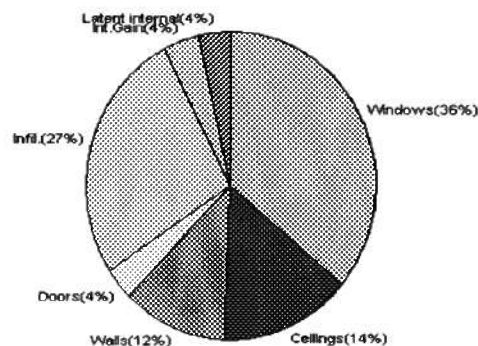
Load component	Load
Window total 304 sqft	3374 Btuh
Wall total 1236 sqft	4059 Btuh
Door total 80 sqft	1036 Btuh
Ceiling total 1944 sqft	2291 Btuh
Floor total 180 sqft	7859 Btuh
Infiltration 207 cfm	8399 Btuh
Duct loss	0 Btuh
Subtotal	27018 Btuh
Ventilation 0 cfm	0 Btuh
TOTAL HEAT LOSS	27018 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1944 sqft)

Load component	Load
Window total 304 sqft	8082 Btuh
Wall total 1236 sqft	2578 Btuh
Door total 80 sqft	784 Btuh
Ceiling total 1944 sqft	3219 Btuh
Floor total	0 Btuh
Infiltration 109 cfm	2026 Btuh
Internal gain	920 Btuh
Duct gain	0 Btuh
Sens. Ventilation 0 cfm	0 Btuh
Total sensible gain	17609 Btuh
Latent gain(ducts)	0 Btuh
Latent gain(infiltration)	3978 Btuh
Latent gain(ventilation)	0 Btuh
Latent gain(internal/occupants/other)	800 Btuh
Total latent gain	4778 Btuh
TOTAL HEAT GAIN	22388 Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 7-6-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Refaelov, Reuven & Dawn

Project Title:

Class 3 Rating

706275Refaelov,Reuven&Dawn

Registration No. 0

Columbia, FL

Climate: North

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

7/6/2007

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

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, SHGC=0.5, Metal, 0.30	NW	9.0		11.1	100 Btuh
2	1, SHGC=0.5, Metal, 0.30	NW	40.0		11.1	444 Btuh
3	1, SHGC=0.5, Metal, 0.30	NW	40.0		11.1	444 Btuh
4	1, SHGC=0.5, Metal, 0.30	NW	15.0		11.1	166 Btuh
5	1, SHGC=0.5, Metal, 0.30	NE	36.0		11.1	400 Btuh
6	1, SHGC=0.5, Metal, 0.30	NE	3.0		11.1	33 Btuh
7	1, SHGC=0.5, Metal, 0.30	SE	12.0		11.1	133 Btuh
8	1, SHGC=0.5, Metal, 0.30	SE	80.0		11.1	888 Btuh
9	1, SHGC=0.5, Metal, 0.30	SE	20.0		11.1	222 Btuh
10	1, SHGC=0.5, Metal, 0.30	SW	40.0		11.1	444 Btuh
11	1, SHGC=0.5, Metal, 0.30	SW	9.0		11.1	100 Btuh
Window Total			304(sqft)			3374 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1236		3.3	4059 Btuh
Wall Total			1236			4059 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
2	Insulated - Exterior		60		12.9	777 Btuh
Door Total			80			1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1944		1.2	2291 Btuh
Ceiling Total			1944			2291Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	180.0 ft(p)		43.7	7859 Btuh
Floor Total			180			7859 Btuh
Zone Envelope Subtotal:						18619 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	
	Natural	0.80	15552		207.4	8399 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					27018 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Refaelov, Reuven & Dawn

Project Title:

Class 3 Rating

706275Refaelov,Reuven&Dawn

Registration No. 0

Columbia, FL

Climate: North

7/6/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	27018 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	27018 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Refaelov, Reuven & Dawn

Project Title:

Class 3 Rating

Columbia, FL

706275Refaelov,Reuven&Dawn

Registration No. 0

Climate: North

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

7/6/2007

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

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, SHGC=0.5, Metal, 0.30	NW	9.0		11.1	100 Btuh
2	1, SHGC=0.5, Metal, 0.30	NW	40.0		11.1	444 Btuh
3	1, SHGC=0.5, Metal, 0.30	NW	40.0		11.1	444 Btuh
4	1, SHGC=0.5, Metal, 0.30	NW	15.0		11.1	166 Btuh
5	1, SHGC=0.5, Metal, 0.30	NE	36.0		11.1	400 Btuh
6	1, SHGC=0.5, Metal, 0.30	NE	3.0		11.1	33 Btuh
7	1, SHGC=0.5, Metal, 0.30	SE	12.0		11.1	133 Btuh
8	1, SHGC=0.5, Metal, 0.30	SE	80.0		11.1	888 Btuh
9	1, SHGC=0.5, Metal, 0.30	SE	20.0		11.1	222 Btuh
10	1, SHGC=0.5, Metal, 0.30	SW	40.0		11.1	444 Btuh
11	1, SHGC=0.5, Metal, 0.30	SW	9.0		11.1	100 Btuh
Window Total			304(sqft)			3374 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1236		3.3	4059 Btuh
Wall Total			1236			4059 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
2	Insulated - Exterior		60		12.9	777 Btuh
Door Total			80			1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1944		1.2	2291 Btuh
Ceiling Total			1944			2291Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	180.0 ft(p)		43.7	7859 Btuh
Floor Total			180			7859 Btuh
Zone Envelope Subtotal:						18619 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	
	Natural	0.80	15552		207.4	8399 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					27018 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Refaelov, Reuven & Dawn

Project Title:

Class 3 Rating

706275Refaelov,Reuven&Dawn

Registration No. 0

Columbia, FL

Climate: North

7/6/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	27018 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	27018 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Refaelov, Reuven & Dawn

Project Title:

Class 3 Rating

706275Refaelov,Reuven&Dawn

Registration No. 0

Columbia, FL

Climate: North

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

7/6/2007

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

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	1, SHGC=0.5, 0.30, None,N,N	NW	8ft.	4ft.	9.0	0.0	9.0	16	39	350	Btuh	
2	1, SHGC=0.5, 0.30, None,N,N	NW	8ft.	6ft.	40.0	0.0	40.0	16	39	1555	Btuh	
3	1, SHGC=0.5, 0.30, None,N,N	NW	8ft.	6ft.	40.0	0.0	40.0	16	39	1555	Btuh	
4	1, SHGC=0.5, 0.30, None,N,N	NW	8ft.	6ft.	15.0	0.0	15.0	16	39	583	Btuh	
5	1, SHGC=0.5, 0.30, None,N,N	NE	1.5ft.	0ft.	36.0	0.0	36.0	16	39	1399	Btuh	
6	1, SHGC=0.5, 0.30, None,N,N	NE	1.5ft.	0ft.	3.0	0.0	3.0	16	39	117	Btuh	
7	1, SHGC=0.5, 0.30, None,N,N	SE	8ft.	5ft.	12.0	12.0	0.0	16	41	188	Btuh	
8	1, SHGC=0.5, 0.30, None,N,N	SE	8ft.	6ft.	80.0	80.0	0.0	16	41	1254	Btuh	
9	1, SHGC=0.5, 0.30, None,N,N	SE	8ft.	6ft.	20.0	20.0	0.0	16	41	314	Btuh	
10	1, SHGC=0.5, 0.30, None,N,N	SW	1.5ft.	0ft.	40.0	40.0	0.0	16	41	627	Btuh	
11	1, SHGC=0.5, 0.30, None,N,N	SW	1.5ft.	0ft.	9.0	9.0	0.0	16	41	141	Btuh	
	Window Total				304 (sqft)					8082 Btuh		
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		1236.0			2.1		2578 Btuh		
	Wall Total				1236 (sqft)					2578 Btuh		
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Exterior				20.0			9.8		196 Btuh		
2	Insulated - Exterior				60.0			9.8		588 Btuh		
	Door Total				80 (sqft)					784 Btuh		
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle		30.0		1944.0			1.7		3219 Btuh		
	Ceiling Total				1944 (sqft)					3219 Btuh		
Floors	Type		R-Value		Size			HTM		Load		
1	Slab On Grade		0.0		180 (ft(p))			0.0		0 Btuh		
	Floor Total				180.0 (sqft)					0 Btuh		
	Zone Envelope Subtotal:									14663 Btuh		
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load		
	SensibleNatural		0.42		15552			108.9		2026 Btuh		
Internal gain			Occupants		Btuh/occupant			Appliance		Load		
			4		X 230 +			0		920 Btuh		
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									17609 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Refaelov, Reuven & Dawn

Project Title:

Class 3 Rating

706275Refaelov,Reuven&Dawn

Registration No. 0

Columbia, FL

Climate: North

7/6/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	17609 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	17609 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	17609 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3978 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4778 Btuh
	TOTAL GAIN	22388 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Refaelov, Reuven & Dawn

Project Title:

Class 3 Rating

706275Refaelov,Reuven&Dawn

Registration No. 0

Columbia, FL

Climate: North

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

7/6/2007

Component Loads for Zone #1: Main

Window	Type*			Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, SHGC=0.5, 0.30, None,N,N	NW		8ft.	4ft.	9.0	0.0	9.0	16	39	350	Btuh
2	1, SHGC=0.5, 0.30, None,N,N	NW		8ft.	6ft.	40.0	0.0	40.0	16	39	1555	Btuh
3	1, SHGC=0.5, 0.30, None,N,N	NW		8ft.	6ft.	40.0	0.0	40.0	16	39	1555	Btuh
4	1, SHGC=0.5, 0.30, None,N,N	NW		8ft.	6ft.	15.0	0.0	15.0	16	39	583	Btuh
5	1, SHGC=0.5, 0.30, None,N,N	NE		1.5ft.	0ft.	36.0	0.0	36.0	16	39	1399	Btuh
6	1, SHGC=0.5, 0.30, None,N,N	NE		1.5ft.	0ft.	3.0	0.0	3.0	16	39	117	Btuh
7	1, SHGC=0.5, 0.30, None,N,N	SE		8ft.	5ft.	12.0	12.0	0.0	16	41	188	Btuh
8	1, SHGC=0.5, 0.30, None,N,N	SE		8ft.	6ft.	80.0	80.0	0.0	16	41	1254	Btuh
9	1, SHGC=0.5, 0.30, None,N,N	SE		8ft.	6ft.	20.0	20.0	0.0	16	41	314	Btuh
10	1, SHGC=0.5, 0.30, None,N,N	SW		1.5ft.	0ft.	40.0	40.0	0.0	16	41	627	Btuh
11	1, SHGC=0.5, 0.30, None,N,N	SW		1.5ft.	0ft.	9.0	9.0	0.0	16	41	141	Btuh
	Window Total					304 (sqft)					8082 Btuh	
Walls	Type	R-Value/U-Value				Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09				1236.0			2.1		2578 Btuh	
	Wall Total					1236 (sqft)					2578 Btuh	
Doors	Type					Area (sqft)			HTM		Load	
1	Insulated - Exterior					20.0			9.8		196 Btuh	
2	Insulated - Exterior					60.0			9.8		588 Btuh	
	Door Total					80 (sqft)					784 Btuh	
Ceilings	Type/Color/Surface	R-Value				Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0				1944.0			1.7		3219 Btuh	
	Ceiling Total					1944 (sqft)					3219 Btuh	
Floors	Type	R-Value				Size			HTM		Load	
1	Slab On Grade	0.0				180 (ft(p))			0.0		0 Btuh	
	Floor Total					180.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:										14663 Btuh	
Infiltration	Type	ACH				Volume(cuft)			CFM=		Load	
	SensibleNatural	0.42				15552			108.9		2026 Btuh	
Internal gain	Occupants				Btuh/occupant			Appliance		Load		
	4				X 230 +			0		920 Btuh		
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
	Sensible Zone Load										17609 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Refaelov, Reuven & Dawn

Project Title:

Class 3 Rating

706275Refaelov,Reuven&Dawn

Registration No. 0

Columbia, FL

Climate: North

7/6/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	17609 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	17609 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	17609 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3978 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4778 Btuh
	TOTAL GAIN	22388 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Refaelov, Reuven & Dawn

Columbia, FL

Project Title:
706275Refaelov,Reuven&Dawn

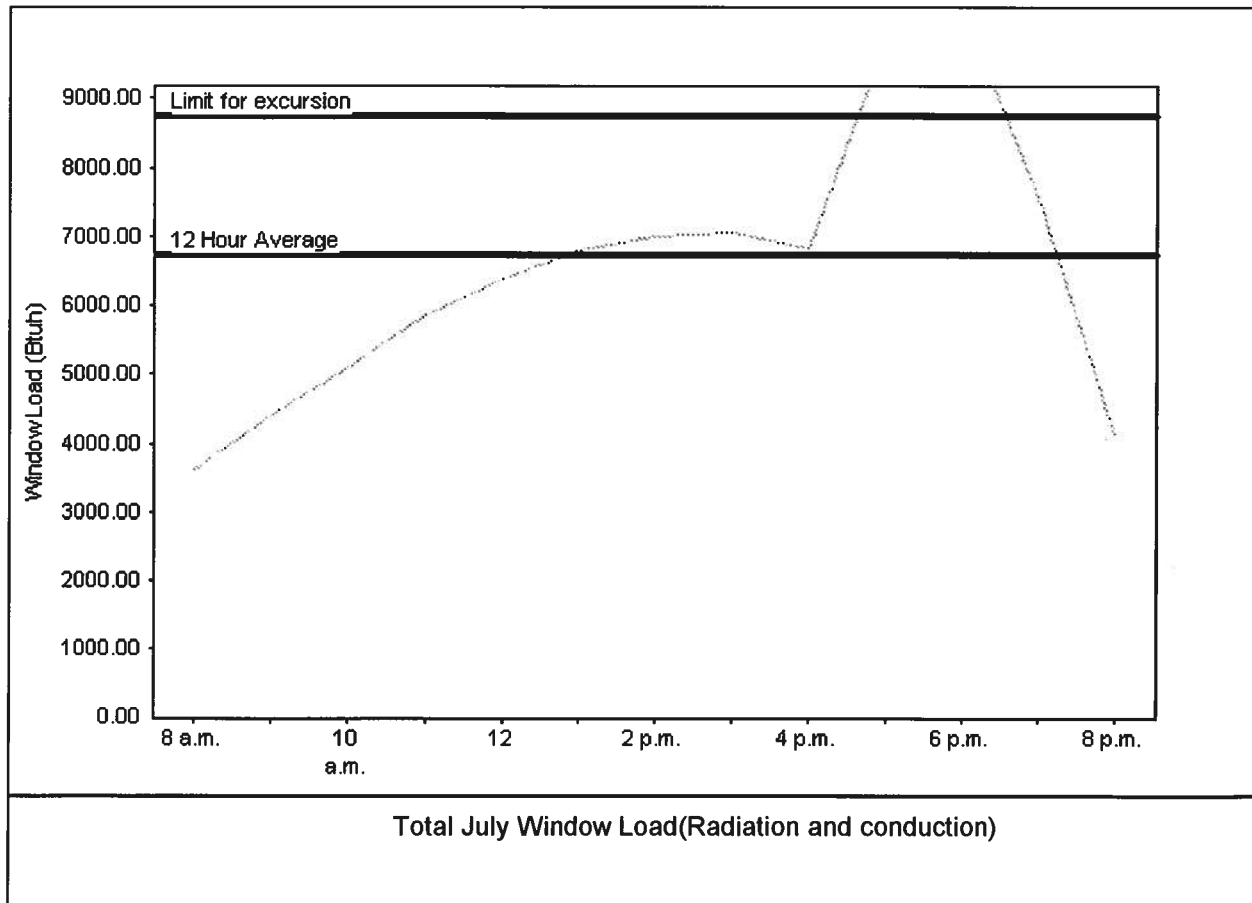
Class 3 Rating
Registration No. 0
Climate: North

7/6/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	6722 Btuh
Summer setpoint	75 F	Peak window load for July	10246 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	8739 Btuh
Latitude	29 North	Window excursion (July)	1507 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: *7-6-07*

EnergyGauge® FLR2PB v4.1



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: 1T8P487-Z0103072804

Truss Fabricator: Anderson Truss Company
Job Identification: 7-193-DAWN REFAELOV
Truss Count: 4
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.24.
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: HCUSR487

Details: CNBRGBLK-BRCLBSUB-A11015EE-GBLLETIN-

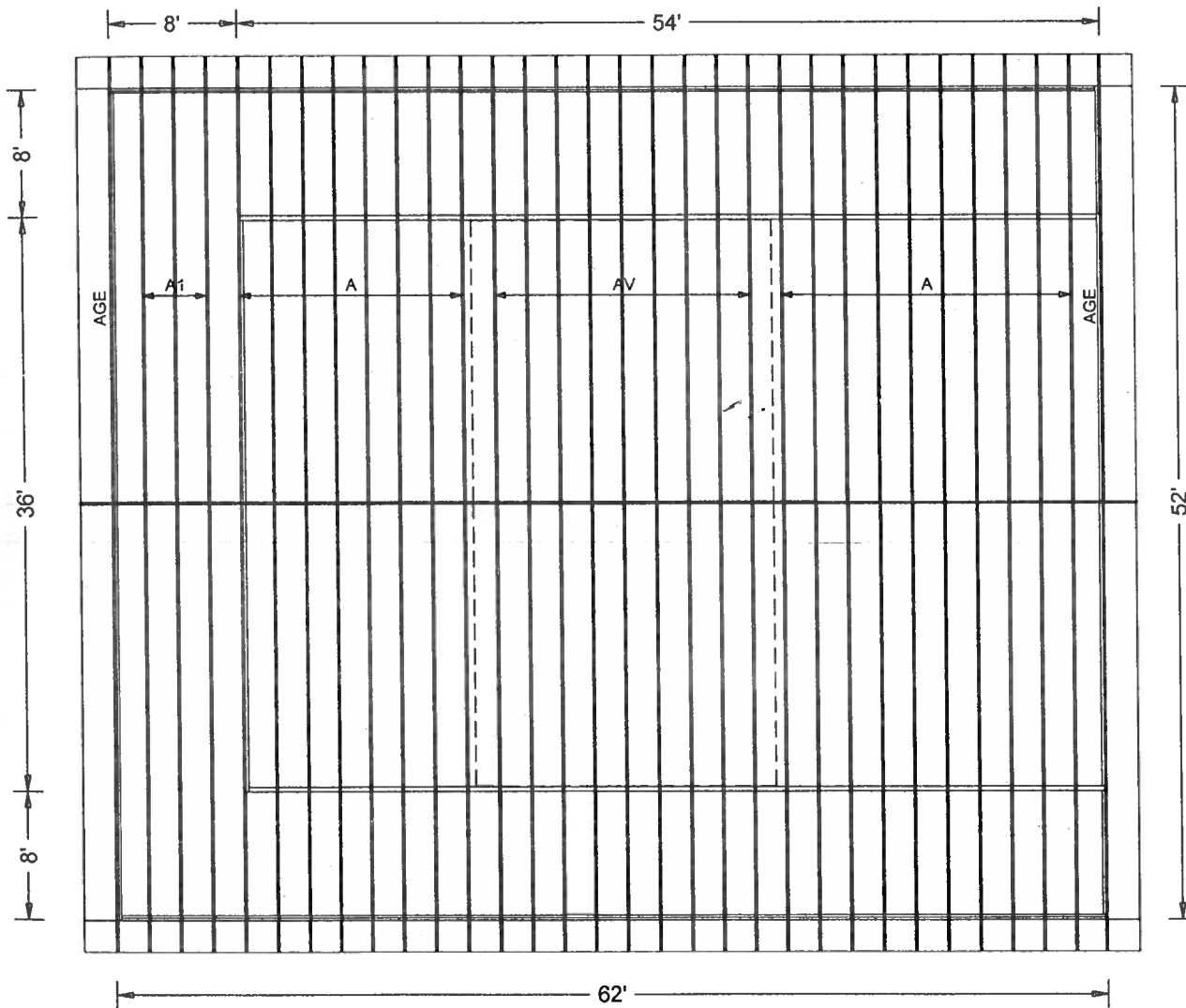
#	Ref	Description	Drawing#	Date
1	13406--A		07183001	07/02/07
2	13407--A1		07183002	07/02/07
3	13408--AGE		07183003	07/02/07
4	13409--AV		07183004	07/02/07



Seal Date: 07/03/2007

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





DAWN REFAELOV 7-193

JOB LOCATION:

JOB DESCRIPTION:
DAWN REFAELOV

DESIGNED BY:
Jenny Patterson

JOB NO:
7-193

PAGE NO:
1 OF 1

TC LL	20.0 PSF	REF	R487 - 13406
TC DL	10.0 PSF	DATE	07/02/07
BC DL	10.0 PSF	DRW	HCUSR487 071B3001
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	38125
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF -	1TB487 Z01

Bearing blocks: Nail type: 12d Box or Gun (0.128"x3.25", min.) _nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
1 0.000' 1 12" 4 Rigid Surface

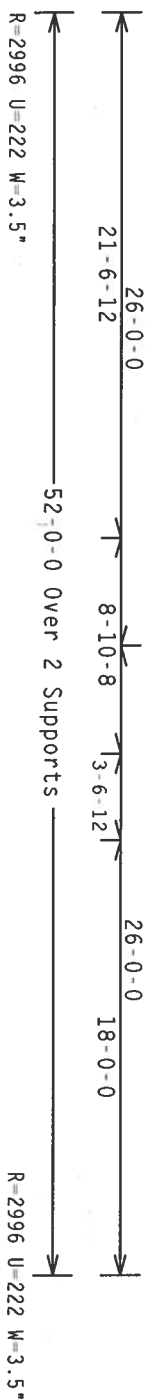
Refer to drawing CNBRGBLK0207 for additional information.

(A) Continuous lateral bracing equally spaced on member.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 21-0-0 to 31-0-0.

Calculated vertical deflection is 0.33" due to live load and 0.77" due to dead load at $X = 20-8-8$.

RS1 (1) 2x8x16-0-0 SP #2 Bottom chord scab centered 26-0-0 from left end. Attach to one face of chord with (4) rows of 12d_Box or Gun_(0.128"x3.25",_min.)_nails @ 6" O.C., staggered 3".



Scale = .125" / Ft.

REF	R487--	13407
DATE	07/02/07	

DKW HCUSR487 0718300

HC-ENG JB/AP

FROM JP

JREF-1T8P487 Z01

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3
Stack Chord SC1 2x4 SP #2 Dense:
Stack Chord SC2 2x4 SP #2 Dense:

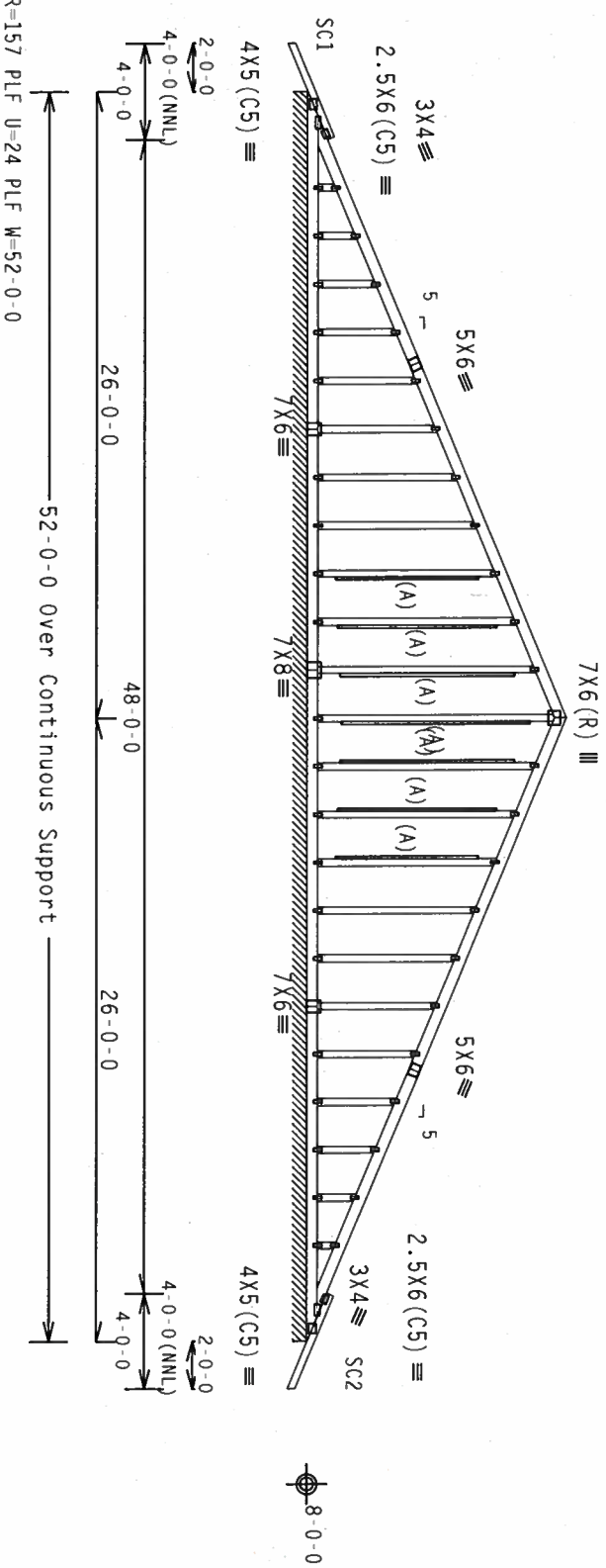
Truss spaced at 24.0" OC designed to support 1-4-0 top chord
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord
must not be cut or notched.

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

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

Deflection meets L/360 live and L/240 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. $I_w=1.00$ GCPI (+/-)=0.18
Wind reactions based on MMFRS pressures.
See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.
Stacked top chord must NOT be notched or cut in area (NML).
Dropped top chord braced at 24" o.c. intervals. Attach stacked
top chord (SC) to dropped top chord in 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.
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.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

OTY:2 FL/-/3/-/R/-

Scale = .125" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300
ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

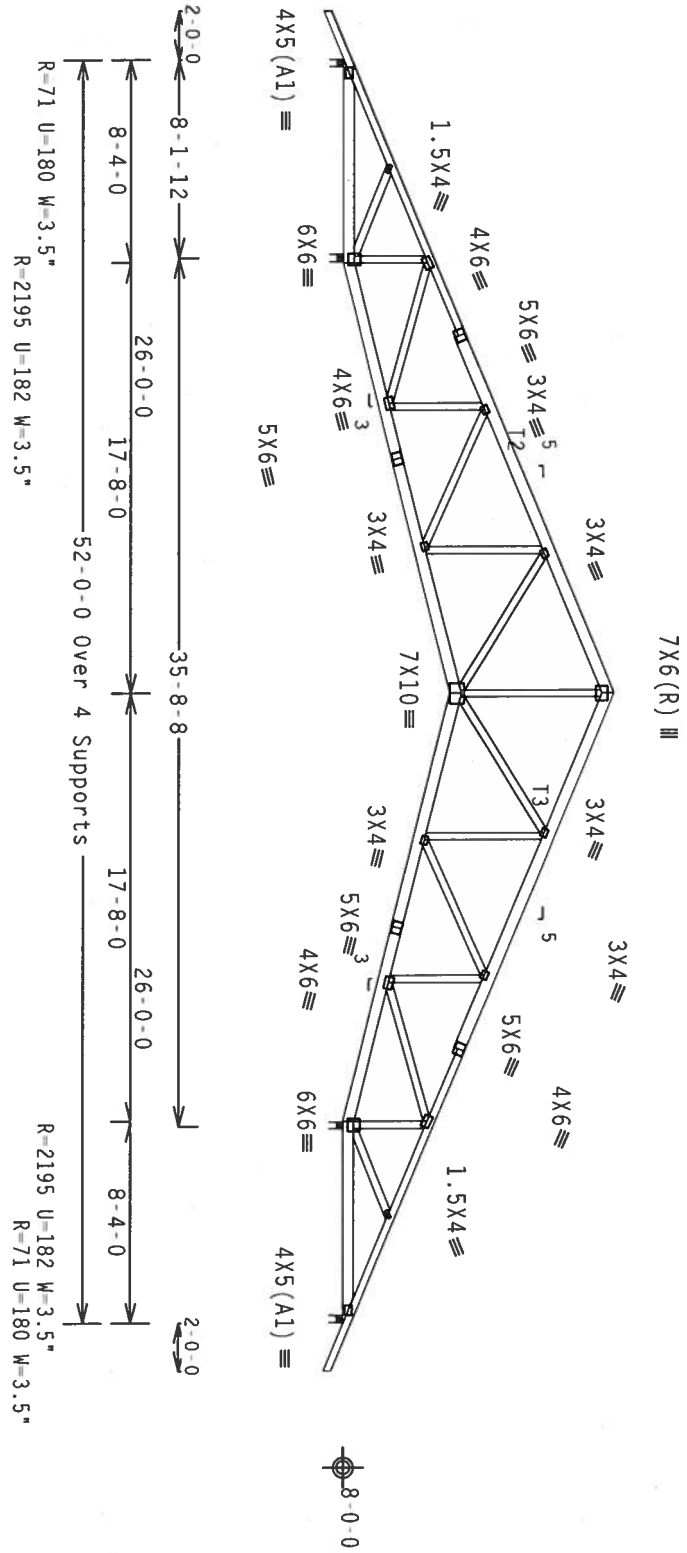
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH
TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, BY ACPA) AND TPI. ITM BCG
DESIGN FOR PURLINS, APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. FOR STEEL, 1989, 1.10, 1.11, 1.12, 1.13, 1.14, 1.15, 1.16, 1.17, 1.18, 1.19, 1.20, 1.21, 1.22, 1.23, 1.24, 1.25, 1.26, 1.27, 1.28, 1.29, 1.30, 1.31, 1.32, 1.33, 1.34, 1.35, 1.36, 1.37, 1.38, 1.39, 1.40, 1.41, 1.42, 1.43, 1.44, 1.45, 1.46, 1.47, 1.48, 1.49, 1.50, 1.51, 1.52, 1.53, 1.54, 1.55, 1.56, 1.57, 1.58, 1.59, 1.60, 1.61, 1.62, 1.63, 1.64, 1.65, 1.66, 1.67, 1.68, 1.69, 1.70, 1.71, 1.72, 1.73, 1.74, 1.75, 1.76, 1.77, 1.78, 1.79, 1.80, 1.81, 1.82, 1.83, 1.84, 1.85, 1.86, 1.87, 1.88, 1.89, 1.90, 1.91, 1.92, 1.93, 1.94, 1.95, 1.96, 1.97, 1.98, 1.99, 2.00, 2.01, 2.02, 2.03, 2.04, 2.05, 2.06, 2.07, 2.08, 2.09, 2.10, 2.11, 2.12, 2.13, 2.14, 2.15, 2.16, 2.17, 2.18, 2.19, 2.20, 2.21, 2.22, 2.23, 2.24, 2.25, 2.26, 2.27, 2.28, 2.29, 2.30, 2.31, 2.32, 2.33, 2.34, 2.35, 2.36, 2.37, 2.38, 2.39, 2.40, 2.41, 2.42, 2.43, 2.44, 2.45, 2.46, 2.47, 2.48, 2.49, 2.50, 2.51, 2.52, 2.53, 2.54, 2.55, 2.56, 2.57, 2.58, 2.59, 2.60, 2.61, 2.62, 2.63, 2.64, 2.65, 2.66, 2.67, 2.68, 2.69, 2.70, 2.71, 2.72, 2.73, 2.74, 2.75, 2.76, 2.77, 2.78, 2.79, 2.80, 2.81, 2.82, 2.83, 2.84, 2.85, 2.86, 2.87, 2.88, 2.89, 2.90, 2.91, 2.92, 2.93, 2.94, 2.95, 2.96, 2.97, 2.98, 2.99, 3.00, 3.01, 3.02, 3.03, 3.04, 3.05, 3.06, 3.07, 3.08, 3.09, 3.10, 3.11, 3.12, 3.13, 3.14, 3.15, 3.16, 3.17, 3.18, 3.19, 3.20, 3.21, 3.22, 3.23, 3.24, 3.25, 3.26, 3.27, 3.28, 3.29, 3.30, 3.31, 3.32, 3.33, 3.34, 3.35, 3.36, 3.37, 3.38, 3.39, 3.40, 3.41, 3.42, 3.43, 3.44, 3.45, 3.46, 3.47, 3.48, 3.49, 3.50, 3.51, 3.52, 3.53, 3.54, 3.55, 3.56, 3.57, 3.58, 3.59, 3.60, 3.61, 3.62, 3.63, 3.64, 3.65, 3.66, 3.67, 3.68, 3.69, 3.70, 3.71, 3.72, 3.73, 3.74, 3.75, 3.76, 3.77, 3.78, 3.79, 3.80, 3.81, 3.82, 3.83, 3.84, 3.85, 3.86, 3.87, 3.88, 3.89, 3.90, 3.91, 3.92, 3.93, 3.94, 3.95, 3.96, 3.97, 3.98, 3.99, 4.00, 4.01, 4.02, 4.03, 4.04, 4.05, 4.06, 4.07, 4.08, 4.09, 4.10, 4.11, 4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18, 4.19, 4.20, 4.21, 4.22, 4.23, 4.24, 4.25, 4.26, 4.27, 4.28, 4.29, 4.30, 4.31, 4.32, 4.33, 4.34, 4.35, 4.36, 4.37, 4.38, 4.39, 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7.72, 7.73, 7.74, 7.75, 7.76, 7.77, 7.78, 7.79, 7.80, 7.81, 7.82, 7.83, 7.84, 7.85, 7.86, 7.87, 7.88, 7.89, 7.90, 7.91, 7.92, 7.93, 7.94, 7.95, 7.96, 7.97, 7.98, 7.99, 8.00, 8.01, 8.02, 8.03, 8.04, 8.05, 8.06, 8.07, 8.08, 8.09, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15, 8.16, 8.17, 8.18, 8.19, 8.20, 8.21, 8.22, 8.23, 8.24, 8.25, 8.26, 8.27, 8.28, 8.29, 8.30, 8.31, 8.32, 8.33, 8.34, 8.35, 8.36, 8.37, 8.38, 8.39, 8.40, 8.41, 8.42, 8.43, 8.44, 8.45, 8.46, 8.47, 8.48, 8.49, 8.50, 8.51, 8.52, 8.53, 8.54, 8.55, 8.56, 8.57, 8.58, 8.59, 8.60, 8.61, 8.62, 8.63, 8.64, 8.65, 8.66, 8.67, 8.68, 8.69, 8.70, 8.71, 8.72, 8.73, 8.74, 8.75, 8.76, 8.77, 8.78, 8.79, 8.80, 8.81, 8.82, 8.83, 8.84, 8.85, 8.86, 8.87, 8.88, 8.89, 8.90, 8.91, 8.92, 8.93, 8.94, 8.95, 8.96, 8.97, 8.98, 8.99, 9.00, 9.01, 9.02, 9.03, 9.04, 9.05, 9.06, 9.07, 9.08, 9.09, 9.10, 9.11, 9.12, 9.13, 9.14, 9.15, 9.16, 9.17, 9.18, 9.19, 9.20, 9.21, 9.22, 9.23, 9.24, 9.25, 9.26, 9.27, 9.28, 9.29, 9.30, 9.31, 9.32, 9.33, 9.34, 9.35, 9.36, 9.37, 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16.61, 16.62, 16.63, 16.64, 16.65, 16.66, 16.67, 16.68, 16.69, 16.70, 16.71, 16.72, 16.73, 16.74, 16.75, 16.76, 16.77, 16.78, 16.79, 16.80, 16.81, 16.82, 16.83, 16.84, 16.85, 16.86, 16.87, 16.88, 16.89, 16.90, 16.91, 16.92, 16.93, 16.94, 16.95, 16.96, 16.97, 16.98, 16.99, 17.00, 17.01, 17.02, 17.03, 17.04, 17.05, 17.06, 17.07, 17.08, 17.09, 17.10, 17.11, 17.12, 17.13, 17.14, 17.15, 17.16, 17.17, 17.18, 17.19, 17.20, 17.21, 17.22, 17.23, 17.24, 17.25, 17.26, 17.27, 17.28, 17.29, 17.30, 17.31, 17.32, 17.33, 17.34, 17.35, 17.36, 17.37, 17.38, 17.39, 17.40, 17.41, 17.42, 17.43, 17.44, 17.45, 17.46, 17.47, 17.48, 17.49, 17.50, 17.51, 17.52, 17.53, 17.54, 17.55, 17.56, 17.57, 17.58, 17.59, 17.60, 17.61, 17.62, 17.63, 17.64, 17.65, 17.66, 17.67, 17.68, 17.69, 17.70, 17.71, 17.72, 17.73, 17.74, 17.75, 17.76, 17.77, 17.78, 17.79, 17.80, 17.81, 17.82, 17.83, 17.84, 17.85, 17.86, 17.87, 17.88, 17.

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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, lw=1.00 Gcpl(+/-)=0.18
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

QTY: 9 FL/-/3/-/R/-

Scale = .125" / ft.

ALPINE

TTW Building Components Group, Inc.
Haines City, FL 33844
P.O. Box 1000
Haines City, FL 33844

Professional Engineer
JAMES F. COLLINS
No. 82112
STATE OF FLORIDA
JUL 19 2007

TC LL	20.0 PSF	REF	R487--13409
TC DL	10.0 PSF	DATE	07/02/07
BC DL	10.0 PSF	DRW	HCUSR487 071B3004
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	38114
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1T8P487 201

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

- 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)

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 (F_c-perp) IS AT LEAST THAT OF THE CHORD.

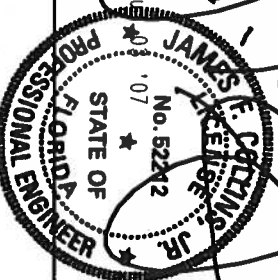


MINIMUM NAIL SPACING DISTANCES

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NCS NATIONAL DESIGN SPEC. BY AISC AND THE DESIGN OF WELDED CONNECTIONS, 1989 EDITION, AND THE AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DRAWING, POSITION PER DRAWINGS 160A-Z. AN INSPECTION OF PLATES FOLLOWED BY C/S SHALL BE REQUIRED FOR EACH TRUSS. THE DESIGN OF THIS BUILDING AND PLATES, INCLUDING THE DESIGN OF THE TRUSS, IS THE PROPERTY OF THE DESIGNER. THE DESIGNER'S PROFESSIONAL AND ENGINEERING RESPONSIBILITY FOR THE DESIGN OF THIS BUILDING IS THE RESPONSIBILITY OF THE DESIGNER, PER U.S. CODE, 28 USC, 2401.



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

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.

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 CLUB BRACING	ALTERNATIVE T OR L-BRACE	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.



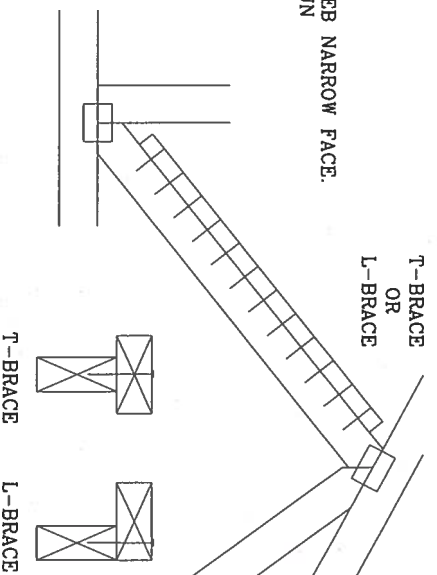
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

14-00000** TASSES REQUIRE EXTREME CARE IN FABRICATING, HANDING, SHIPPING, INSTALLATION AND
 BRACING. REFER TO BEST PRACTICES CONCERNING SAFETY INFORMATION, PUBLISHED BY THE CRYSTAL PLATE
 INSTITUTE, 218 NORTH LEE STR., SUITE 318, ALEXANDRIA, VA 22304 AND VICA CYCLOD TRUSS COMPANY,
 6300 ENTERPRISE LN., MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE
 FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUTS, BRAC-
 ETS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

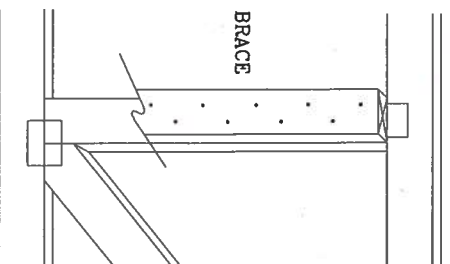
IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE RUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND THE
TRUSS CONNECTOR PLATES ARE MADE OF 2018/1614 (YU/NH/SS) ASTM A663 GRADE 40/46 (XK/H/SS)
GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS PERMITS
DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE RE-
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
CONSISTENT SEC. 2

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

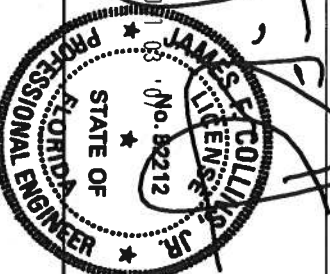


APPLY SCAB(S) TO WIDE FACE OF WEB
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128" x 3." MIN) NAILS.
AT 6" OF WEB BRACE IS A MINIMUM
50% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579.640

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			

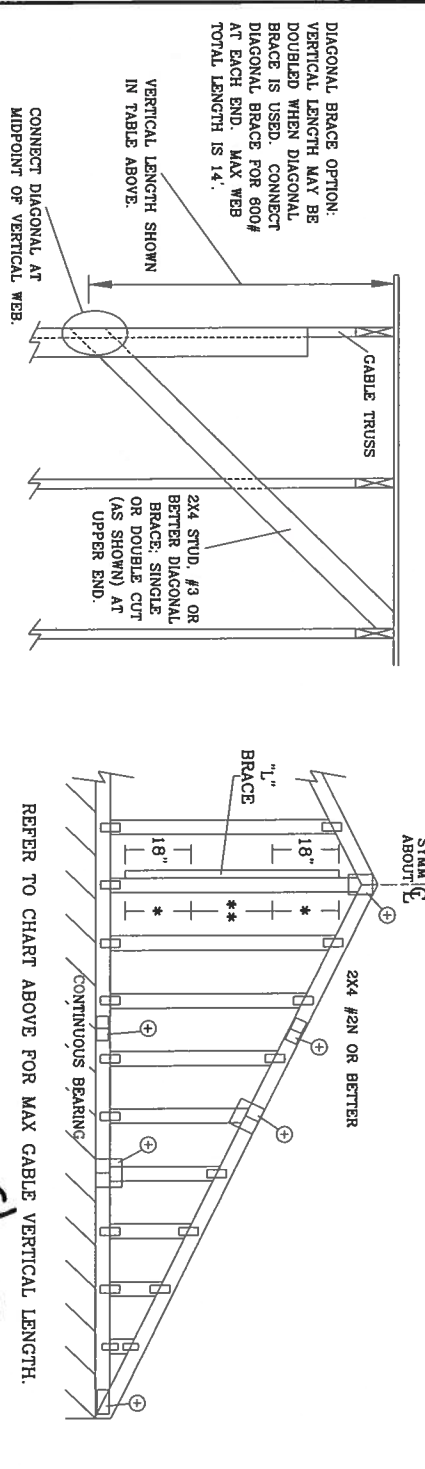


2x4 GABLE VERTICAL		BRACE		NO BRACES		(1) 1x4 "L" BRACE *		(1) 2x4 "L" BRACE *		(2) 2x4 "L" BRACE *		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE *	
SPACING	SPECIES	GRADE	BRACE	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF	#1 / #2	STUD	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 5"	9' 5"	12' 5"	12' 4"	14' 0"	14' 0"
	HF	STUD	STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
	SP	STANDARD	#1	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	13' 5"	13' 5"	14' 0"	14' 0"
	DFL	STUD	#2	4' 2"	6' 8"	6' 8"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	STUD	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"	14' 0"
	HF	STUD	STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"	14' 0"
	SP	STANDARD	#1	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"
	DFL	STUD	#2	4' 5"	7' 8"	7' 8"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.	SPF	#1 / #2	STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STUD	STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	STANDARD	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	STUD	#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"

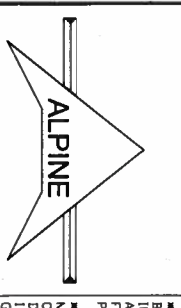
BRACING GROUP SPECIES AND GRADES:	
GROUP A:	
SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STANDARD	#2 STUD
#3 STUD	#3 STANDARD
DOUGLAS FIR-LARCH	
#3 STUD	#3 STUD
STANDARD	STANDARD
GROUP B:	
HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR	#1
SOUTHERN PINE	#2
#1	#2

CABLE TRUSS DETAIL NOTES:

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

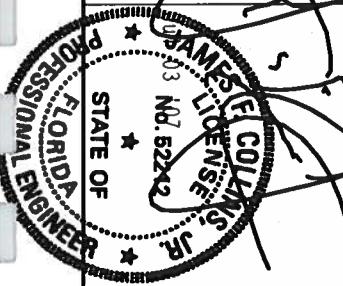


GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPICE
LESS THAN 4' 0"	1x4 OR 2x3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2x4
GREATER THAN 11' 6"	2.5x4
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPICE, AND HEEL PLATES.	



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

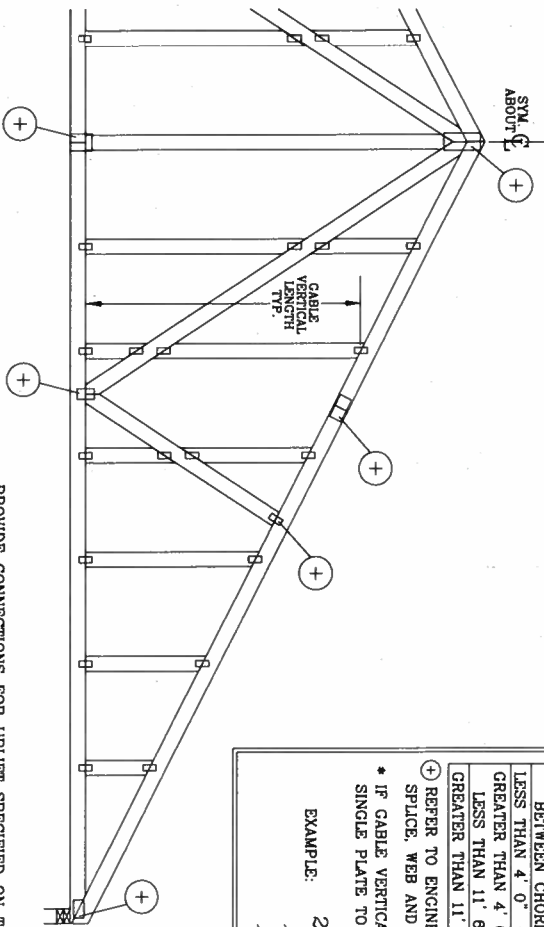
REF ASCE7-02-CAL1015
DATE 2/23/07
DRWG A11015EEO207
-ENG



T/W BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"

CABLE DETAIL FOR LET-IN VERTICALS

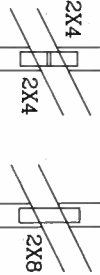


CABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X6
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X6
GREATER THAN 11' 6"	2.5X4	2.5X6

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

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

EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON (0.148" X 3.1" 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:

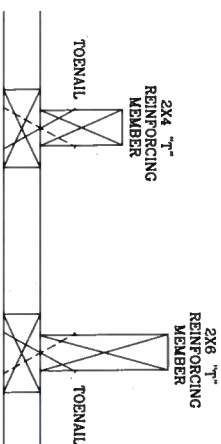
8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4' O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE CABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

- ASCE 7-93 CABLE DETAIL DRAWINGS
 A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207,
 A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207
 ASCE 7-98 CABLE DETAIL DRAWINGS
 A13015EC0207, A12015EC0207, A11015EC0207, A08515EC0207,
 A13030EC0207, A12030EC0207, A11030EC0207, A08530EC0207
 ASCE 7-02 CABLE DETAIL DRAWINGS
 A13015EB0207, A12015EB0207, A11015EB0207, A08515EB0207,
 A13030EB0207, A12030EB0207, A11030EB0207, A08530EB0207
 ASCE 7-05 CABLE DETAIL DRAWINGS
 A13015E50207, A12015E50207, A11015E50207, A08515E50207,
 A13030E50207, A12030E50207, A11030E50207, A08530E50207

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876.719 & HC26294035



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

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

WEB LENGTH INCREASE W/ "T" BRACE

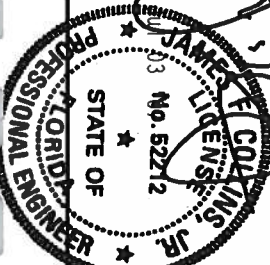
WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	10 %
30 FT	2x6	20 %	30 %
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
 CABLE 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 CABLE VERTICAL LENGTH
 1.10 x 6' 7" = 7' 3"



TRUSS BUILDING COMPONENTS GROUP, INC.
 POMPANO BEACH, FLORIDA



MAX TOT. LD. 60 PSF	REF	LET-IN VERT
DUR. FAC. ANY	DATE	2/23/07
MAX SPACING 24.0"	DRWG	GILLETINO207
	-ENG	DLJ/KAR

Reuven & Dawn Refaelov
PO Box 414
Fort White, FL 32038

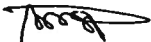
Laurie Hodson
Columbia County Building & Zoning Dept
135 NE Hernando Ave.
Suite B-21
Lake City, FL 32055

January 1, 2010

Dear Laurie:

I am writing to request an extension to our Building Permit #26055. We are working steadily at the house as we earn the money rather than taking a bank loan. We are making good progress. We are getting ready to purchase and install the kitchen cabinets and countertops. Soon we will buy the appliances to go with them. We appreciate all your assistance. Thank you.

Regards,



Dawn Refaelov

Reuven & Dawn Refaelov
PO Box 414
Fort White, FL 32038

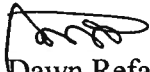
Laurie Hodson
Columbia County Building & Zoning Dept
135 NE Hernando Ave.
Suite B-21
Lake City, FL 32055

Oct 1, 2009

Dear Laurie:

I am writing to request an extension to our Building Permit #26055. We are working steadily at the house as we earn the money rather than taking a bank loan. We are making good progress. We are installing lights and plumbing fixtures. Soon we will install interior doors and exterior door hardware. We appreciate all your assistance. Thank you.

Regards,



Dawn Refaelov

Reuven & Dawn Refaelov
PO Box 414
Fort White, FL 32038

Laurie Hodson
Columbia County Building & Zoning Dept
135 NE Hernando Ave.
Suite B-21
Lake City, FL 32055

July 1, 2009

Dear Laurie:

I am writing to request an extension to our Building Permit #26055. We are working steadily at the house as we earn the money rather than taking a bank loan. We are making good progress on finishing the floor tile. We are installing the light and plumbing fixtures soon. We appreciate all your assistance. Thank you.

Regards,



Dawn Refaelov

