Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

DATE 03/19/2008 **PERMIT** 000026862

APPLICANT DENNIS O'NEIL PHONE 386.454.2476

ADDRESS 235 NE 2ND STREET HIGH SPRINGS FL 32643

OWNER JAMES MACALUSO PHONE

ADDRESS 334 SW BLUFF DRIVE FT. WHITE FL 32038

CONTRACTOR DENNIS O'NEIL PHONE 386.454.2476

LOCATION OF PROPERTY 47-S TO HOLLINGSWORTH ST,TR TO BLUFF DR,TR 2ND LOT ON L PAST LONGHORN TERRACE.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 149000.00

HEATED FLOOR AREA 2980.00 TOTAL AREA 3580.00 HEIGHT 32.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 9'12 FLOOR CONC

LAND USE & ZONING ESA-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE AE DEVELOPMENT PERMIT NO. 08-007

PARCEL ID 18-7S-16-04236-014 SUBDIVISION CEDAR SPRINGS SHORES

LOT 34 BLOCK PHASE UNIT 1 TOTAL ACRES 1.00

Culvert Permit No.	Culvert Waiver	CGC061581 Contractor's License Number	Dennis O'Neil Applicant/Owner/Contractor
EXISTING Driveway Connection	08-0003-E Septic Tank Number	BLK LU & Zoning checked by	JTH Approved for Issuance
			N New Resident

COMMENTS: VARIANCE 0264 FOR SETBACKS.MFE @ 37.00'. ELEVATION CERTIFICATE NEEDED BEFORE POWER.

Check # or Cash 19084

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 $ 745.00 CERTIFICATION FEE $ 17.90 SURCHARGE FEE $ 17.90

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ 50.00 FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 905.80

INSPECTORS OFFICE CH CLERKS OFFICE

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

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

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

Columbia County Building Permit Application

Revised 9-

For Office Use Only Application # 0801-02 Date Received 1/2/08 By G Permit # 26862

Application Approved by - Zoning Official BLK Date 08.01.08 Plans Examiner OK JTH Date 2-28-85

Flood Zone AE Development Permit YES Zoning ESA-2 Land Use Plan Map Category ESA

Comments Variance 0264 for setbacks / Santa Fe River / Map 0255 / Flood Elevation 36 ft. Elevation Cert. before power MFE 37 ft. FAX 386 454-4244

NOC NEEDED

Applicants Name ONeil CONSTRUCTION Phone 3864542476

Address 235 NE 2ND St. HIGH SPRINGS, FL. 32643

Owners Name JAMES MACALUSO Phone

911 Address 334 SW BLUFF DR., Ft. White, Fl 32038 (Per Contractor) 3.19.07

Contractors Name ONeil CONSTRUCTION Phone 3525389515

Address 235 NE 2ND St. High Springs, FL. 32643

Fee Simple Owner Name & Address JAMES MACALUSO 2600 DR. ML KING St N St. 300 St. Petersburg, Fl. 33704

Bonding Co. Name & Address N.A.

Architect/Engineer Name & Address DONALD YANSKEY 2421 NW 49th AVE GAINESVILLE, FL. 32653

Mortgage Lenders Name & Address N.A.

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

Property ID Number 18 7S 16 04236014 Estimated Cost of Construction 320,000

Subdivision Name Cedar Springs Shores Lot 34 Block ____ Unit ____ Phase ____

Driving Directions From Ft. White take 47 S to Hollingsworth St. T-R Go to Bluff DR T-R to Job on L, 2nd lot on left past Longhorn Terr.

Type of Construction Single Family FRAME Number of Existing Dwellings on Property 1

Total Acreage 1 Lot Size .9 Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 150 Side 48 Side 15 Rear 180

Total Building Height 32' Number of Stories 2 Heated Floor Area 2980 Roof Pitch 9/12

TOTAL-3580

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 COMMENCMENT 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.

Dan O'Neil

Owner Builder or Agent (Including Contractor)

Dan O'Neil

Contractor Signature

Contractors License Number CGC061581

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY PUBLIC
CARLOS D'ARBELLES
Notary Public, State of Florida
Commission# DD687801
My comm. expires June 21, 2011

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 2nd day of January 2008.

Personally known ____ or Produced Identification X

Notary Signature

Left message

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

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

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.

James Mocalusa

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.

Don Oki

Contractor's Signature (Permitee)

Contractor's License Number_____
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 19th **day of** March **20**08.

Personally known_____ **or Produced Identification**_____

Kathy C Smith

State of Florida Notary Signature (For the Contractor)

SEAL:

KATHY C. SMITH
Notary Public - State of Florida
My Commission Expires May 27, 2008
Commission # DD 324142
Bonded By National Notary Assn.

MEMO OF REVIEW FOR CORRECTNESS AND COMPLETION

In accordance with participation in the NFIP/CRS program, all elevation certificates are required to be reviewed for correctness and completion prior to acceptance by the community. This completed form shall be attached to all elevation certificates maintained on file and provided with requested copies of elevation certificates.

_____ The attached elevation certificate requires corrections by the surveyor of section(s) _____ prior to acceptance by the community.
__X__ The attached elevation certificated is complete and correct.
_____ Minor corrections have been made in the below marked sections by the authorized Community Official.

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name	For Insurance Company Use:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number
City State ZIP Code	Company NAIC Number

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) _____
A5. Latitude/Longitude: Lat. _____ Long. _____ Horizontal Datum: ☐ NAD 1927 ☐ NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.
A7. Building Diagram Number_____
A8. For a building with a crawl space or enclosure(s), provide:
a) Square footage of crawl space or enclosure(s) _____ sq ft
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade _____
c) Total net area of flood openings in A8.b _____ sq in

A9. For a building with an attached garage, provide:
a) Square footage of attached garage _____ sq ft
b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____
c) Total net area of flood openings in A9.b _____ sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
☐ FIS Profile ☐ FIRM ☐ Community Determined ☐ Other (Describe) _____
B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☐ No
Designation Date_____ ☐ CBRS ☐ OPA

COMMENTS: _____

Date of Review: 21 MAY 2009 BOARD MEETS FIRST THURSDAY AT 7:00 P.M. AND THIRD THURSDAY AT 9:00 A.M. **Community Official:** _____

20862

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires February 28, 2009

Important: Read the instructions on pages 1-8.

SECTION A - PROPERTY INFORMATION

For Insurance Company Use:

A1. Building Owner's Name James Macaluso

Policy Number

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
334 SW Bluff Drive

Company NAIC Number

City Fort White State FL ZIP Code 32038

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
18-7S-16-04236-014

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential

A5. Latitude/Longitude: Lat. 29°52'21.54" N Long. 82°44'43.38" W Horizontal Datum: ☐ NAD 1927 ☐ NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number 5

A8. For a building with a crawl space or enclosure(s), provide
- a) Square footage of crawl space or enclosure(s) N/A sq ft
- b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade N/A
- c) Total net area of flood openings in A8.b N/A sq in

A9. For a building with an attached garage, provide:
- a) Square footage of attached garage 0 sq ft
- b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade 0
- c) Total net area of flood openings in A9.b 0 sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
Columbia County 120070	Columbia	FL

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
0526	C	02-04-2009	02-04-2009	AE	36.0 ft.

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
☐ FIS Profile ☐ FIRM ☐ Community Determined ☒ Other (Describe) SRWMD

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other (Describe) _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐Yes ☒No
Designation Date _____ ☐ CBRS ☐ OPA

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-g below according to the building diagram specified in Item A7.

Benchmark Utilized BM1 Vertical Datum NAVD 88

Conversion/Comments _____

			Check the measurement used.
a)	Top of bottom floor (including basement, crawl space, or enclosure floor)	37.85	☒ feet ☐ meters (Puerto Rico only)
b)	Top of the next higher floor	N/A	☐ feet ☐ meters (Puerto Rico only)
c)	Bottom of the lowest horizontal structural member (V Zones only)	N/A	☐ feet ☐ meters (Puerto Rico only)
d)	Attached garage (top of slab)	N/A	☐ feet ☐ meters (Puerto Rico only)
e)	Lowest elevation of machinery or equipment servicing the building (Describe type of equipment in Comments)	36.25	☒ feet ☐ meters (Puerto Rico only)
f)	Lowest adjacent (finished) grade (LAG)	28.7	☒ feet ☐ meters (Puerto Rico only)
g)	Highest adjacent (finished) grade (HAG)	33.6	☒ feet ☐ meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. *I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.*

☐ Check here if comments are provided on back of form.

PLACE SEAL HERE

Certifier's Name Robert P. Bishop, Jr. License Number PE# 36546

Title Professional Engineer Company Name Bailey Bishop & Lane, Inc.

Address SW 871 SR 47 City Lake City State FL ZIP Code 32025

Signature Date 5/5/09 Telephone 386-752-5640

IMPORTANT: In these spaces, copy the corresponding information from Section A.	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 334 SW Bluff Drive	Policy Number
City Fort White State FL ZIP Code 32038	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments A/C Pad

Signature Date

☐ Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
a) Top of bottom floor (including basement, crawl space, or enclosure) is _____._____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
b) Top of bottom floor (including basement, crawl space, or enclosure) is _____._____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.

E2. For Building Diagrams 6-8 with permanent flood openings provided in Section A Items 8 and/or 9 (see page 8 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____._____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E3. Attached garage (top of slab) is _____._____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is _____._____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge.*

Property Owner's or Owner's Authorized Representative's Name
Bailey Bishop & Lane, Inc. (LB#6685)

Address SW 871 SR 47 City Lake City State FL ZIP Code 32025

Signature Date 5/5/09 Telephone 386-752-5640

Comments

☐ Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8. and G9.

G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. ☐ The following information (Items G4.-G9.) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____._____ ☐ feet ☐ meters (PR) Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____._____ ☐ feet ☐ meters (PR) Datum _____

Local Official's Name Title

Community Name Telephone

Signature Date

Comments

☐ Check here if attachments

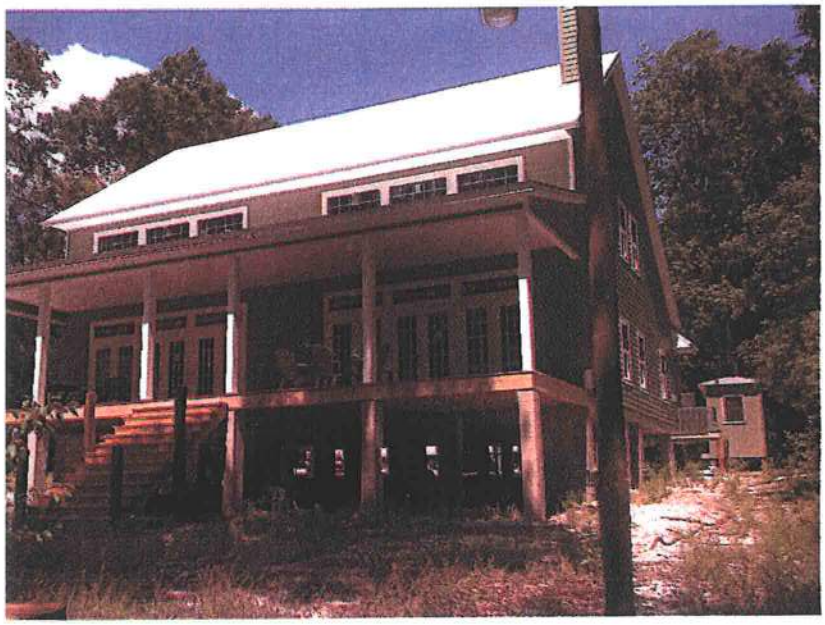
Building Photographs

See Instructions for Item A6.

	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 334 SW Bluff Drive	Policy Number
City Fort White State FL ZIP Code 32038	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page, following.

Front View – 4/30/09



Rear View – 4/30/09

DIAGRAM 3

All split-level buildings that are slab-on-grade, either detached or row type (e.g., townhouses); with or without attached garage.

Distinguishing Feature – The bottom floor (excluding garage) is at or above ground level (grade) on at least one side.*

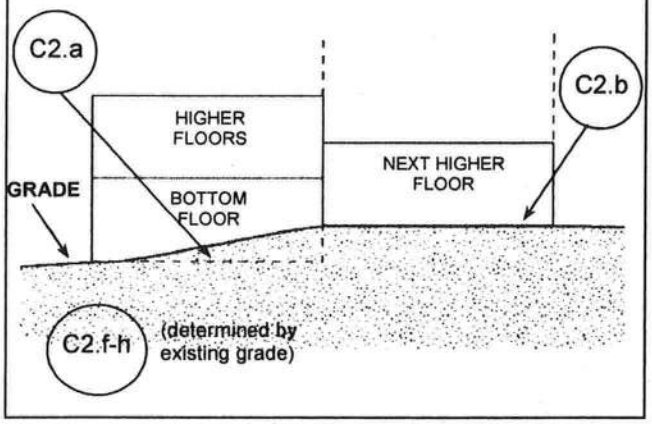


DIAGRAM 4

All split-level buildings (other than slab-on-grade), either detached or row type (e.g., townhouses); with or without attached garage.

Distinguishing Feature – The bottom floor (basement or underground garage) is below ground level (grade) on all sides.*

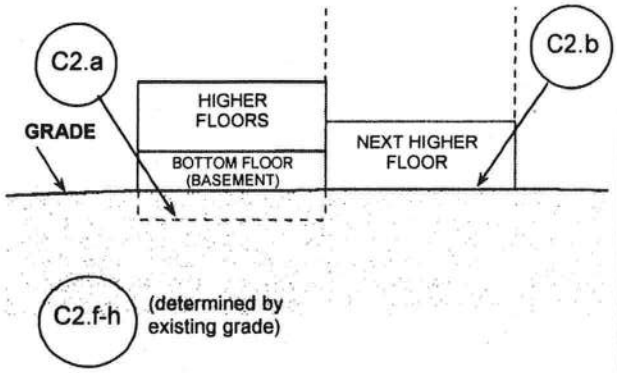


DIAGRAM 5

All buildings elevated on piers, posts, piles, columns, or parallel shear walls. No obstructions below the elevated floor.

Distinguishing Feature – For all zones, the area below the elevated floor is open, with no obstruction to flow of flood waters (open lattice work and/or insect screening is permissible).

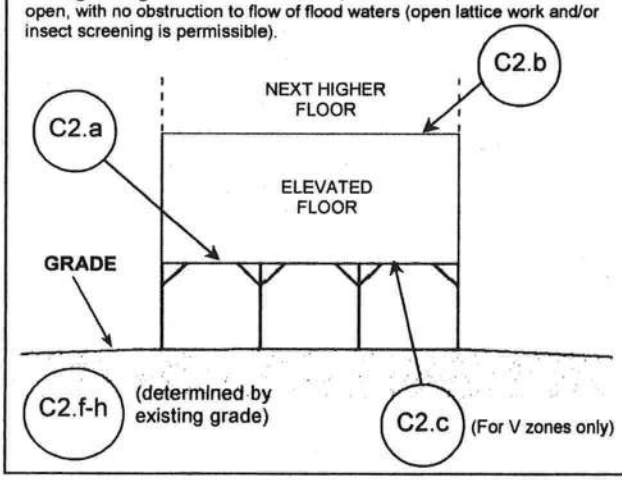
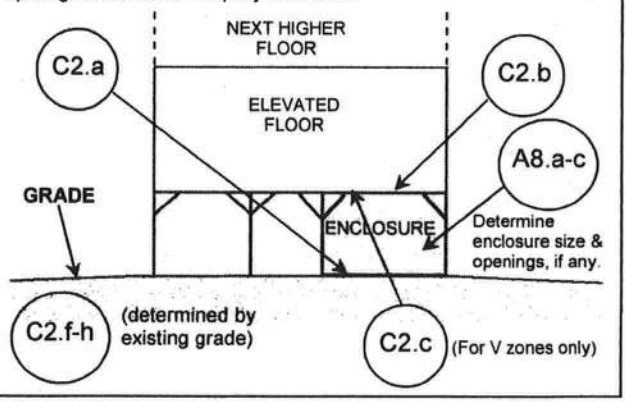


DIAGRAM 6

All buildings elevated on piers, posts, piles, columns, or parallel shear walls with full or partial enclosure below the elevated floor.

Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings** present in the walls of the enclosure. Indicate information about enclosure size and openings in Section A – Property Information.



* A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.

** An "opening" is a permanent opening that allows for the free passage of water automatically in both directions without human intervention. Under the NFIP, a minimum of two openings is required for enclosures or crawlspaces. The openings shall provide a total net area of not less than one square inch for every square foot of area enclosed, excluding any bars, louvers, or other covers of the opening. Alternatively, an Individual Engineered Flood Openings Certification or an Evaluation Report issued by the International Code Council Evaluation Service (ICC ES) must be submitted to document that the design of the openings will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening; openings may be installed in doors. Openings shall be on at least two sides of the enclosed area. If a building has more than one enclosed area, each area must have openings to allow floodwater to directly enter. The bottom of the openings must be no higher than one foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.

BAILEY BISHOP & LANE, INC.
Engineers *Surveyors* *Planners*

August 13, 2007

ZERO RISE CERTIFICATION

PROPERTY DESCRIPTION: ***Lot 34, Cedar Springs Shores, Unit One***

OWNER: ***Dennis O'neil***

BASE FLOOD ELEVATION (WITHOUT FLOODWAY): ***36.0***

BASE FLOOD ELEVATION (WITH FLOODWAY): ***37.0***

COMMUNITY-PANEL NUMBER: ***120070 0255 B***

PROJECT REQUIREMENTS: Minimum Finish Floor Elevation ***37.0***
Minimum Flooring Support (i.e. Girders, Joists) Elevation ***36.0***
All footers to be below grade.

I hereby certify that construction of the proposed residence will not increase flood elevations of the Santa Fe River at the project location.

Gregory G. Bailey, P.E.
Date: August 13, 2007
PE No. 43858

P. O. Box 3717 Lake City, FL 32056-3717 Ph. (386) 752-5640 FAX (386) 755-7771

HEC-RAS Version 1.2 April 1996
U.S. Army Corp of Engineers
Hydrologic Engineering Center
609 Second Street, Suite D
Davis, California 95616-4687
(916) 756-1104

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X     X  XXXXXX    XXXX         XXXX        XX       XXXX
X     X  X        X    X       X   X      X  X     X
X     X  X        X            X   X     X    X    X
XXXXXXX  XXXX     X       XXX  XXXX      XXXXXX    XXXX
X     X  X        X            X  X      X    X        X
X     X  X        X    X       X   X     X    X        X
X     X  XXXXXX    XXXX        X    X    X    X   XXXXX
```

****

PROJECT DATA
Project Title: Santa Fe River - Oneal2
Project File : oneal2.prj
Run Date and Time: 8/13/2007 11:24:08 PM

Project in English units

****

PLAN DATA

Plan Title: Existing Oneal

Plan File : c:\hec\ras\bbldat~1\oneal2.p03

Geometry Title: Existing Oneal
Geometry File : c:\hec\ras\bbldat~1\oneal2.p03

Flow Title : Existing Oneal
Flow File : c:\hec\ras\bbldat~1\oneal2.p03

Plan Summary Information:
Number of: Cross Sections = 144 Mulitple Openings = 0
Culverts = 0 Inline Weirs = 0
Bridges = 17

Computational Information
Water surface calculation tolerance = .01
Critical depth calculaton tolerance = .01
Maximum number of interations = 20
Maximum difference tolerance = .3
Flow tolerance factor = .001

Computational Flow Regime: Subcritical Flow

Encroachment Data: None

Flow Distribution Locations: None

****

FLOW DATA

Flow Title: 10,50,100, & 500 Year
Flow File : c:\hec\ras\bbldat~1\oneal2.f01

Flow Data (cfs)

Reach	Riv Sta	PF#1	PF#2	PF#3	PF#4
1	79.85	90	275	374	686
1	73.36	1344	2310	2965	4380
1	67.11	2690	3881	4665	6830
1	57.21	3103	6404	8767	12834
1	49.61	12824	20748	25162	36500
1	44.02	12268	19399	23767	35515
1	39.81	17113	26905	32800	46533
1	37.25	16995	26655	32569	46251
1	33.85	12746	19991	24427	34688
1	28.94	12109	18991	23206	32954
1	27.79	9705	16793	20910	32030
1	25.19	9264	15766	19587	29700
1	19.62	9192	13791	16717	22200
1	15.66	8457	13409	16359	22200

Boundary Conditions

Reach	Profile	Upstream	Downstream
1	1		Known WS = 29.38
1	2		Known WS = 31.25
1	3		Known WS = 32.27
1	4		Known WS = 35.23

GEOMETRY DATA

Geometry Title: Existing Oneal
Geometry File : c:\hec\ras\bbldat~1\oneal2.g04

CROSS SECTION INPUT Reach: 1 River Station: 15.71
Description: 15.71

Station Elevation Data, num = 63

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	40	10190	39	10363	38	10556	36.4	10697	34.7
10877	34.8	11024	34.6	11210	34.7	11313	34.7	11479	35.2
11635	36.1	11824	37.5	12029	37.9	12157	37.9	12257	37.6
12351	37.2	12494	36.5	12645	35.5	12770	35	12934	34
13056	34.4	13161	34.2	13256	34.3	13402	33.9	13524	33.9
13649	33.9	13750	33.9	13926	34	14097	34.2	14248	34.2
14423	34.4	14522	35.9	14678	37.6	14820	38.3	14823	34.6
14843	20.1	14924	9.5	14924	37.5	14930	37.5	14930	9.5
14937	9.4	14987	10.2	14992	13.9	14992	38.4	14996	38.4
14996	13.9	15052	18.4	15060	21.4	15060	37.44	15066	37.44
15066	21.4	15135	37.44	15140	38.1	15312	37	15455	34.4
15754	34	15920	33.8	16103	34.2	16250	35.1	16405	36
16573	37.5	16736	38.9	16882	40				

Manning's n Values, num = 3

Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	14820	.045	15140	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
14820	15140	25	25	.3	.5

BRIDGE INPUT Reach: 1 River Station: 15.705

```
Description: SR-47 Bridge
Distance from Upstream XS =       0
Deck/Roadway Width        =      25
Weir Coefficient          =     2.6
Bridge Deck/Roadway Skew  =
Upstream Deck/Roadway Coordinates,  num = 8
    Sta. Hi Cord Lo Cord    Sta. Hi Cord Lo Cord    Sta. Hi Cord Lo Cord
*****************************************************************************
   14820    38.3    38.3   14823   39.15    37.5   14924   39.15    37.5
   14992    40.1    38.4   15052    40.1    38.4   15066    39.1   37.44
   15135   39.11   37.44   15140    38.1    38.1
Downstream Deck/Roadway Coordinates,  num = 8
    Sta. Hi Cord Lo Cord    Sta. Hi Cord Lo Cord    Sta. Hi Cord Lo Cord
*****************************************************************************
   14820    38.3    38.3   14823   39.15    37.5   14924   39.15    37.5
   14992    40.1    38.4   15052    40.1    38.4   15066    39.1   37.44
   15135   39.11   37.44   15140    38.1    38.1
Elevation at which weir flow begins          =
Maximum allowable submergence for weir flow =     .95
Submergence criteria :Broad Crested

Number of Bridge Coefficient Sets =  1

Low Flow Methods
       Energy
       Momentum               Cd   =       0
       Yarnell                KVal =
       W.S. Pro Method        CVal =
Selected Low Flow Methods = Energy

High Flow Method
       Energy Only

Additional Bridge Parameters
       Add Friction component to Momentum
       Do not add Weight component to Momentum
       Class B flow critical depth computations use critical depth
           inside the bridge at the downstream end
       Criteria to check for pressure flow = Upstream water surface

CROSS SECTION INPUT    Reach: 1              River Station: 15.7
Description:  15.7

Station Elevation Data,  num = 63
    Sta.   Elev.    Sta.   Elev.    Sta.   Elev.    Sta.   Elev.    Sta.   Elev.
   10000     40   10190     39   10363     38   10556   36.4   10697   34.7
   10877   34.8   11024   34.6   11210   34.7   11313   34.7   11479   35.2
   11635   36.1   11824   37.5   12029   37.9   12157   37.9   12257   37.6
   12351   37.2   12494   36.5   12645   35.5   12770     35   12934     34
   13056   34.4   13161   34.2   13256   34.3   13402   33.9   13524   33.9
   13649   33.9   13750   33.9   13926     34   14097   34.2   14248   34.2
   14423   34.4   14522   35.9   14678   37.6   14820   38.3   14823   34.6
   14843   20.1   14924    9.5   14924   37.5   14930   37.5   14930    9.5
   14937    9.4   14987   10.2   14992   13.9   14992   38.4   14996   38.4
   14996   13.9   15052   18.4   15060   21.4   15060  37.44   15066  37.44
   15066   21.4   15135  37.44   15140   38.1   15312     37   15455   34.4
   15754     34   15920   33.8   16103   34.2   16250   35.1   16405     36
   16573   37.5   16736   38.9   16882     40

Manning's n Values,  num = 3
    Sta.   Value    Sta.   Value    Sta.   Value
   10000    .28   14820    .045   15140    .28

Bank Sta: Left   Right    Lengths: Left Channel   Right    Coeff Contr.   Expan.
```

14820	15140		200	200	200	.3	.5

CROSS SECTION INPUT Reach: 1 River Station: 15.66
Description: 15.66

Station Elevation Data, num = 92

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	40	10065	39.6	10193	39.5	10195	37.5	10222	38.9
10232	39.3	10243	38.9	10253	37.3	10274	39.3	10363	38.8
10432	39.7	10490	39.9	10524	39.9	10601	39.7	10659	38.4
10755	37.1	10844	36.3	10987	35.5	11080	34.8	11186	33.8
11296	31.3	11395	32.6	11468	34	11610	36.6	11677	37.9
11769	39	11832	38.5	11914	38	12064	38	12177	38.6
12291	38.9	12353	39.2	12453	38.4	12568	36.3	12638	34.6
12760	30.3	12848	30.3	12903	30.2	13021	31.6	13076	32.9
13172	32.8	13264	32.1	13337	30.7	13424	29.6	13545	29.2
13667	28.1	13773	28.1	13868	28.4	13986	30	14100	31.7
14124	31.7	14224	32.5	14358	29.6	14424	28.6	14504	27.4
14624	27	14663	27.5	14701	28.2	14805	25.7	14841	24.6
14934	26.5	14999	27.2	15071	26.6	15111	25.2	15145	17.3
15200	13.2	15250	10.22	15300	13.52	15343	17.3	15361	17.5
15467	17.9	15513	20.2	15629	25.2	15849	25.2	16088	27.4
16293	29	16439	32.3	16623	35.1	16814	39.2	16857	39.2
16904	40.3	16927	37.1	16955	37.1	16968	35.8	16988	35.4
16998	36.5	17053	37.9	17121	39	17147	38.1	17162	38.1
17179	40.2	17212	41.3						

Manning's n Values, num = 3

Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	15145	.045	15361	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
15145	15361	2600	2260	1700	.1	.3

CROSS SECTION INPUT Reach: 1 River Station: 15.23
Description: Oneal Section

Station Elevation Data, num = 33

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	40	10238	33.8	10462	32.3	10619	27.9	10703	26.2
10883	26.9	10963	27.3	10976	26.8	10994	26.8	11039	25.9
11178	26.5	11416	24.4	11547	24.6	11589	21.9	11632	24.4
11777	25.8	11863	23.8	12004	23.2	12118	25.3	12147	17.6
12200	10.7	12250	7.02	12280	11.32	12305	17.6	12318	18.6
12361	24	12441	25	12541	31	12641	35	12702	38.6
12726	39.4	12811	39.7	12915	40.5				

Manning's n Values, num = 3

Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	12118	.045	12361	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
12118	12361	800	800	800	.1	.3

CROSS SECTION INPUT Reach: 1 River Station: 15.08
Description: Section G (Columbia)

Station Elevation Data, num = 31

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	39.5	10238	33.3	10462	31.8	10619	27.4	10703	25.7
10883	26.4	10963	26.8	10976	26.3	10994	26.3	11039	25.4
11178	26	11416	23.9	11547	24.1	11589	21.4	11632	23.9
11777	25.3	11863	23.3	12004	22.7	12118	24.8	12147	17.1
12200	10.2	12250	6.52	12280	10.82	12305	17.1	12318	18.1

12361	24.5	12489	27.6	12702	38.1	12726	38.9	12811	39.2
12915	40								

Manning's n Values, num = 3

Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	12118	.045	12361	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
12118	12361	5700	5280	4000	.1	.3

CROSS SECTION INPUT Reach: 1 River Station: 14.08
Description: Section F (Columbia)

Station Elevation Data, num = 38

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	40	10089	37.9	10283	35.7	10472	32.3	10610	31.9
10770	33.9	11030	34	11183	30	11374	26	11475	21.9
11508	20.5	11699	20.7	11981	21.5	12090	23.1	12353	25.3
12443	20.4	12471	16	12500	12.8	12550	10.6	12575	10.5
12600	13.7	12624	16	12650	19.7	12734	23.6	12782	23.6
12838	16.6	12878	23.6	12930	24.6	12985	24.2	13064	30.9
13172	33.4	13298	34.5	13507	36.4	13550	36.6	13572	35.4
13612	37	13835	39.2	13910	40				

Manning's n Values, num = 3

Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	12443	.045	12650	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
12443	12650	4700	5540	5500	.1	.3

CROSS SECTION INPUT Reach: 1 River Station: 13.03
Description: Section E (Columbia)

Station Elevation Data, num = 31

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	40	10118	38.4	10251	39	10333	39.3	10366	38.1
10479	34	10562	31.5	10858	29.9	11233	29.5	11574	30.7
11746	27.4	11961	26.8	12415	32.3	12535	30.4	12667	23.3
12868	19.7	12920	13.3	12950	8.5	12975	-5.45	13025	7.45
13085	13.3	13185	16.6	13381	16.9	13544	19.1	13733	18.5
13810	20	13901	22.2	14050	22.8	14187	24.2	14265	24.9
14369	40								

Manning's n Values, num = 3

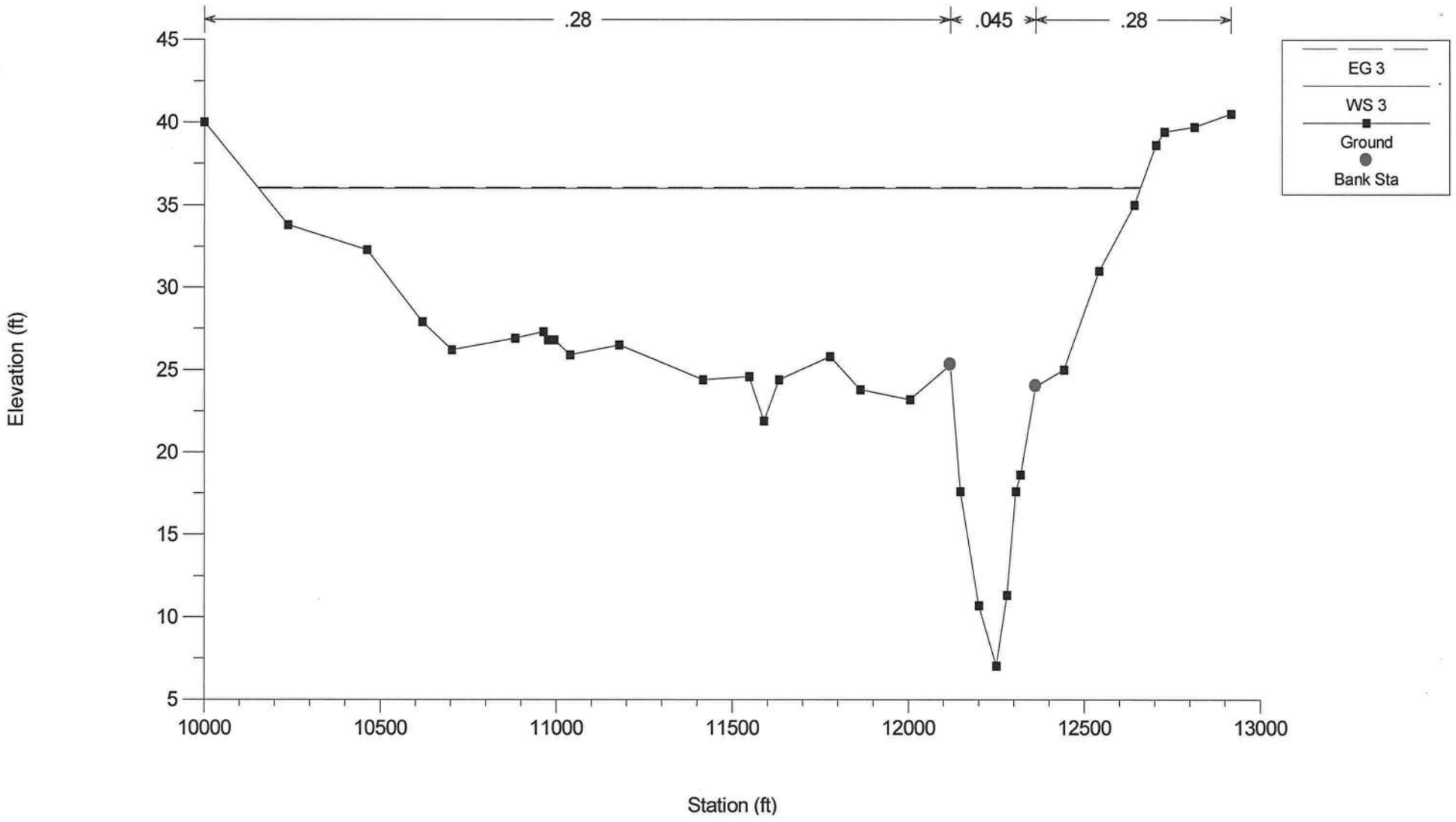
Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	12920	.045	13085	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
12920	13085	6100	9130	5400	.1	.3

Profile Output Table - Standard Table 1

River Sta.	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
15.71	16717.00	9.40	36.16	19.7	36.29	0.000295	3.01	11865.96	4423.87	0.13
15.705	Bridge									
15.7	16717.00	9.40	36.15		36.29	0.000296	3.02	11833.27	4419.19	0.13
15.66	16359.00	10.22	36.17		36.22	0.000071	2.20	35401.89	4849.02	0.08
15.23	**16359.00**	**7.02**	**35.98**		**36.04**	**0.000086**	**2.32**	**24793.63**	**2503.19**	**0.09**
15.08	16359.00	6.52	35.91		35.97	0.000080	2.26	25680.35	2520.03	0.09
14.08	16359.00	10.50	35.47		35.53	0.000088	2.38	27647.80	3111.94	0.09
13.03	16359.00	-5.45	35.15		35.19	0.000047	2.07	39322.95	3888.19	0.07

Santa Fe River - Oneal2 Plan: Existing Oneal 8/13/2007
Oneal Section



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U.S. Army Corp of Engineers
Hydrologic Engineering Center
609 Second Street, Suite D
Davis, California 95616-4687
(916) 756-1104

```
X     X  XXXXXX    XXXX        XXXX       XX      XXXX
X     X  X        X    X       X   X     X  X    X
X     X  X        X            X   X    X    X   X
XXXXXXX  XXXX     X       XXX  XXXX     XXXXXX    XXXX
X     X  X        X            X  X     X    X       X
X     X  X        X    X       X   X    X    X       X
X     X  XXXXXX    XXXX        X    X   X    X   XXXXX
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****

PROJECT DATA
Project Title: Santa Fe River - Oneal2
Project File : oneal2.prj
Run Date and Time: 8/13/2007 11:29:32 PM

Project in English units

****

PLAN DATA

Plan Title: Proposed Oneal

Plan File : c:\hec\ras\bbldat~1\oneal2.p04

Geometry Title: Proposed Oneal
Geometry File : c:\hec\ras\bbldat~1\oneal2.p04

Flow Title : Proposed Oneal
Flow File : c:\hec\ras\bbldat~1\oneal2.p04

Plan Summary Information:
Number of: Cross Sections = 144 Mulitple Openings = 0
Culverts = 0 Inline Weirs = 0
Bridges = 17

Computational Information
Water surface calculation tolerance = .01
Critical depth calculaton tolerance = .01
Maximum number of interations = 20
Maximum difference tolerance = .3
Flow tolerance factor = .001

Computational Flow Regime: Subcritical Flow

Encroachment Data: None

Flow Distribution Locations: None

****

FLOW DATA

Flow Title: 10,50,100, & 500 Year
Flow File : c:\hec\ras\bbldat~1\oneal2.f01

Flow Data (cfs)

Reach	Riv Sta	PF#1	PF#2	PF#3	PF#4
1	79.85	90	275	374	686
1	73.36	1344	2310	2965	4380
1	67.11	2690	3881	4665	6830
1	57.21	3103	6404	8767	12834
1	49.61	12824	20748	25162	36500
1	44.02	12268	19399	23767	35515
1	39.81	17113	26905	32800	46533
1	37.25	16995	26655	32569	46251
1	33.85	12746	19991	24427	34688
1	28.94	12109	18991	23206	32954
1	27.79	9705	16793	20910	32030
1	25.19	9264	15766	19587	29700
1	19.62	9192	13791	16717	22200
1	15.66	8457	13409	16359	22200

Boundary Conditions

Reach	Profile	Upstream	Downstream
1	1		Known WS = 29.38
1	2		Known WS = 31.25
1	3		Known WS = 32.27
1	4		Known WS = 35.23

GEOMETRY DATA

Geometry Title: Proposed Oneal
Geometry File : c:\hec\ras\bbldat~1\oneal2.g05

CROSS SECTION INPUT Reach: 1 River Station: 15.71
Description: 15.71

Station Elevation Data, num = 63

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	40	10190	39	10363	38	10556	36.4	10697	34.7
10877	34.8	11024	34.6	11210	34.7	11313	34.7	11479	35.2
11635	36.1	11824	37.5	12029	37.9	12157	37.9	12257	37.6
12351	37.2	12494	36.5	12645	35.5	12770	35	12934	34
13056	34.4	13161	34.2	13256	34.3	13402	33.9	13524	33.9
13649	33.9	13750	33.9	13926	34	14097	34.2	14248	34.2
14423	34.4	14522	35.9	14678	37.6	14820	38.3	14823	34.6
14843	20.1	14924	9.5	14924	37.5	14930	37.5	14930	9.5
14937	9.4	14987	10.2	14992	13.9	14992	38.4	14996	38.4
14996	13.9	15052	18.4	15060	21.4	15060	37.44	15066	37.44
15066	21.4	15135	37.44	15140	38.1	15312	37	15455	34.4
15754	34	15920	33.8	16103	34.2	16250	35.1	16405	36
16573	37.5	16736	38.9	16882	40				

Manning's n Values, num = 3

Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	14820	.045	15140	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
14820	15140	25	25	.3	.5

BRIDGE INPUT Reach: 1 River Station: 15.705

```
Description: SR-47 Bridge
Distance from Upstream XS =       0
Deck/Roadway Width        =      25
Weir Coefficient          =     2.6
Bridge Deck/Roadway Skew  =
Upstream Deck/Roadway Coordinates,  num = 8
    Sta. Hi Cord Lo Cord    Sta. Hi Cord Lo Cord    Sta. Hi Cord Lo Cord
*****************************************************************************
   14820    38.3    38.3   14823   39.15    37.5   14924   39.15    37.5
   14992    40.1    38.4   15052    40.1    38.4   15066    39.1   37.44
   15135   39.11   37.44   15140    38.1    38.1
Downstream Deck/Roadway Coordinates,  num = 8
    Sta. Hi Cord Lo Cord    Sta. Hi Cord Lo Cord    Sta. Hi Cord Lo Cord
*****************************************************************************
   14820    38.3    38.3   14823   39.15    37.5   14924   39.15    37.5
   14992    40.1    38.4   15052    40.1    38.4   15066    39.1   37.44
   15135   39.11   37.44   15140    38.1    38.1
Elevation at which weir flow begins          =
Maximum allowable submergence for weir flow =     .95
Submergence criteria :Broad Crested

Number of Bridge Coefficient Sets =  1

Low Flow Methods
       Energy
       Momentum               Cd   =       0
       Yarnell                KVal =
       W.S. Pro Method        CVal =
Selected Low Flow Methods = Energy

High Flow Method
       Energy Only

Additional Bridge Parameters
       Add Friction component to Momentum
       Do not add Weight component to Momentum
       Class B flow critical depth computations use critical depth
           inside the bridge at the downstream end
       Criteria to check for pressure flow = Upstream water surface

CROSS SECTION INPUT    Reach: 1              River Station: 15.7
Description:  15.7

Station Elevation Data,  num = 63
    Sta.   Elev.    Sta.   Elev.    Sta.   Elev.    Sta.   Elev.    Sta.   Elev.
   10000     40   10190     39   10363     38   10556   36.4   10697   34.7
   10877   34.8   11024   34.6   11210   34.7   11313   34.7   11479   35.2
   11635   36.1   11824   37.5   12029   37.9   12157   37.9   12257   37.6
   12351   37.2   12494   36.5   12645   35.5   12770     35   12934     34
   13056   34.4   13161   34.2   13256   34.3   13402   33.9   13524   33.9
   13649   33.9   13750   33.9   13926     34   14097   34.2   14248   34.2
   14423   34.4   14522   35.9   14678   37.6   14820   38.3   14823   34.6
   14843   20.1   14924    9.5   14924   37.5   14930   37.5   14930    9.5
   14937    9.4   14987   10.2   14992   13.9   14992   38.4   14996   38.4
   14996   13.9   15052   18.4   15060   21.4   15060  37.44   15066  37.44
   15066   21.4   15135  37.44   15140   38.1   15312     37   15455   34.4
   15754     34   15920   33.8   16103   34.2   16250   35.1   16405     36
   16573   37.5   16736   38.9   16882     40

Manning's n Values,  num = 3
    Sta.   Value    Sta.   Value    Sta.   Value
   10000    .28   14820    .045   15140    .28

Bank Sta: Left   Right    Lengths: Left Channel   Right    Coeff Contr.   Expan.
```

14820	15140		200	200	200	.3	.5

CROSS SECTION INPUT Reach: 1 River Station: 15.66
Description: 15.66

Station Elevation Data, num = 92

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	40	10065	39.6	10193	39.5	10195	37.5	10222	38.9
10232	39.3	10243	38.9	10253	37.3	10274	39.3	10363	38.8
10432	39.7	10490	39.9	10524	39.9	10601	39.7	10659	38.4
10755	37.1	10844	36.3	10987	35.5	11080	34.8	11186	33.8
11296	31.3	11395	32.6	11468	34	11610	36.6	11677	37.9
11769	39	11832	38.5	11914	38	12064	38	12177	38.6
12291	38.9	12353	39.2	12453	38.4	12568	36.3	12638	34.6
12760	30.3	12848	30.3	12903	30.2	13021	31.6	13076	32.9
13172	32.8	13264	32.1	13337	30.7	13424	29.6	13545	29.2
13667	28.1	13773	28.1	13868	28.4	13986	30	14100	31.7
14124	31.7	14224	32.5	14358	29.6	14424	28.6	14504	27.4
14624	27	14663	27.5	14701	28.2	14805	25.7	14841	24.6
14934	26.5	14999	27.2	15071	26.6	15111	25.2	15145	17.3
15200	13.2	15250	10.22	15300	13.52	15343	17.3	15361	17.5
15467	17.9	15513	20.2	15629	25.2	15849	25.2	16088	27.4
16293	29	16439	32.3	16623	35.1	16814	39.2	16857	39.2
16904	40.3	16927	37.1	16955	37.1	16968	35.8	16988	35.4
16998	36.5	17053	37.9	17121	39	17147	38.1	17162	38.1
17179	40.2	17212	41.3						

Manning's n Values, num = 3

Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	15145	.045	15361	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
15145	15361	2600	2260	1700	.1	.3

CROSS SECTION INPUT Reach: 1 River Station: 15.23
Description: Oneal Section

Station Elevation Data, num = 36

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	40	10238	33.8	10462	32.3	10619	27.9	10703	26.2
10883	26.9	10963	27.3	10976	26.8	10994	26.8	11039	25.9
11178	26.5	11416	24.4	11547	24.6	11589	21.9	11632	24.4
11777	25.8	11863	23.8	12004	23.2	12118	25.3	12147	17.6
12200	10.7	12250	7.02	12280	11.32	12305	17.6	12318	18.6
12361	24	12441	25	12541	31	12546	40	12604	40
12605	33.7	12641	35	12702	38.6	12726	39.4	12811	39.7
12915	40.5								

Manning's n Values, num = 3

Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	12118	.045	12361	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
12118	12361	800	800	800	.1	.3

CROSS SECTION INPUT Reach: 1 River Station: 15.08
Description: Section G (Columbia)

Station Elevation Data, num = 31

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	39.5	10238	33.3	10462	31.8	10619	27.4	10703	25.7
10883	26.4	10963	26.8	10976	26.3	10994	26.3	11039	25.4
11178	26	11416	23.9	11547	24.1	11589	21.4	11632	23.9
11777	25.3	11863	23.3	12004	22.7	12118	24.8	12147	17.1

12200	10.2	12250	6.52	12280	10.82	12305	17.1	12318	18.1
12361	24.5	12489	27.6	12702	38.1	12726	38.9	12811	39.2
12915	40								

Manning's n Values, num = 3

Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	12118	.045	12361	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
12118	12361	5700	5280	4000	.1	.3

CROSS SECTION INPUT Reach: 1 River Station: 14.08
Description: Section F (Columbia)

Station Elevation Data, num = 38

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	40	10089	37.9	10283	35.7	10472	32.3	10610	31.9
10770	33.9	11030	34	11183	30	11374	26	11475	21.9
11508	20.5	11699	20.7	11981	21.5	12090	23.1	12353	25.3
12443	20.4	12471	16	12500	12.8	12550	10.6	12575	10.5
12600	13.7	12624	16	12650	19.7	12734	23.6	12782	23.6
12838	16.6	12878	23.6	12930	24.6	12985	24.2	13064	30.9
13172	33.4	13298	34.5	13507	36.4	13550	36.6	13572	35.4
13612	37	13835	39.2	13910	40				

Manning's n Values, num = 3

Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	12443	.045	12650	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
12443	12650	4700	5540	5500	.1	.3

CROSS SECTION INPUT Reach: 1 River Station: 13.03
Description: Section E (Columbia)

Station Elevation Data, num = 31

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
10000	40	10118	38.4	10251	39	10333	39.3	10366	38.1
10479	34	10562	31.5	10858	29.9	11233	29.5	11574	30.7
11746	27.4	11961	26.8	12415	32.3	12535	30.4	12667	23.3
12868	19.7	12920	13.3	12950	8.5	12975	-5.45	13025	7.45
13085	13.3	13185	16.6	13381	16.9	13544	19.1	13733	18.5
13810	20	13901	22.2	14050	22.8	14187	24.2	14265	24.9
14369	40								

Manning's n Values, num = 3

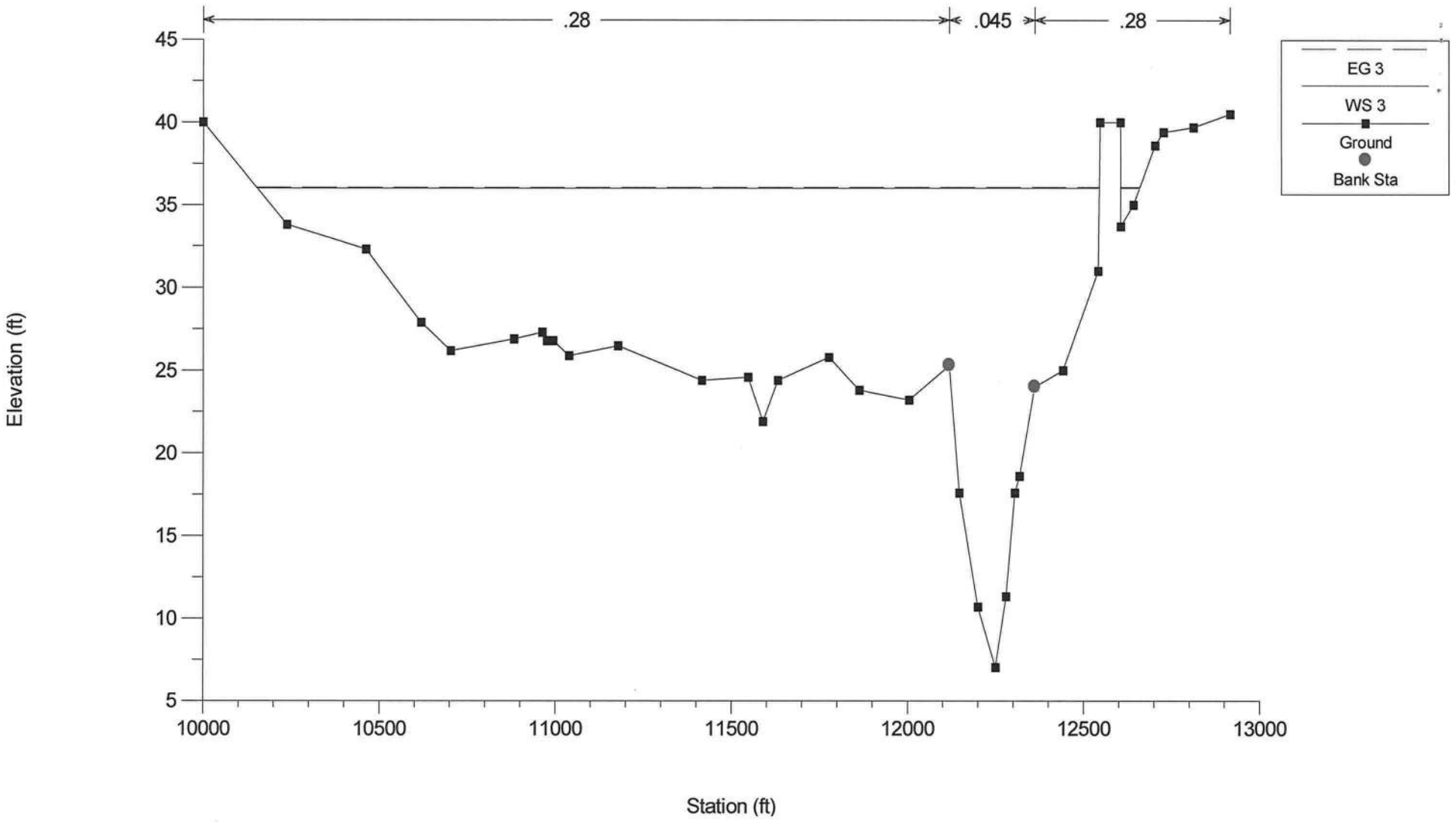
Sta.	Value	Sta.	Value	Sta.	Value
10000	.28	12920	.045	13085	.28

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
12920	13085	6100	9130	5400	.1	.3

Profile Output Table - Standard Table 1

River Sta.	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
15.71	16717.00	9.40	36.16	19.7	36.29	0.000295	3.01	11868.29	4424.20	0.13
15.705	Bridge									
15.7	16717.00	9.40	36.15		36.29	0.000296	3.02	11835.62	4419.53	0.13
15.66	16359.00	10.22	36.17		36.22	0.000071	2.20	35404.45	4849.19	0.08
15.23	**16359.00**	**7.02**	**35.98**		**36.04**	**0.000086**	**2.32**	**24561.47**	**2442.32**	**0.09**
15.08	16359.00	6.52	35.91		35.97	0.000080	2.26	25680.35	2520.03	0.09
14.08	16359.00	10.50	35.47		35.53	0.000088	2.38	27647.80	3111.94	0.09
13.03	16359.00	-5.45	35.15		35.19	0.000047	2.07	39322.95	3888.19	0.07

Santa Fe River - Oneal2 Plan: Proposed Oneal 8/13/2007
Oneal Section



PERMIT #0026862

PARCEL #

NOTICE OF COMMENCEMENT

STATE OF: FLORIDA COUNTY OF: Columbia CITY OF:

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

DESCRIPTION OF PROPERTY:

LOT: 34 unit 1 BLOCK: SECTION: 18 TOWNSHIP: 7S RANGE: 16E

SUBDIVISION: Cedar Springs Shores PLATBOOK: 4 MAP PAGE #: 1

STREET ADDRESS: SW Bluff Drive

GENERAL DESCRIPTION OF IMPROVEMENT:

TO CONSTRUCT: Single Family Residence

Inst:200812014280 Date:7/31/2008 Time:9:22 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1155 P:1864

OWNER INFORMATION:

OWNER(S) NAME: JAMES MACALUSO
ADDRESS: 2600 Dr. ML King JR St. N
CITY: St. Petersburg Fl STATE: Fl PHONE NO.: 727-823-6955 ZIP CODE: 33704
INTEREST IN THE PROPERTY: Owner
FEE SIMPLE TITLEHOLDER NAME: SAME
FEE SIMPLE TITLEHOLDER ADDRESS SAME
(if other than owner)

CONTRACTOR NAME: ONEIL Construction
ADDRESS: P.O. Box 1633
CITY: High Springs STATE: Fl PHONE NO.: 3864542476 ZIP CODE: 32655

BONDING COMPANY: N/A
ADDRESS: —
CITY: — AMOUNT OF BOND: — STATE: — ZIP CODE: —

LENDER NAME: None
ADDRESS: —
CITY: — STATE: — ZIP CODE: —

Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
NAME: JAMES MACALUSO ADDRESS: 2600 Dr. ML. King Jr. St. N St. Petersburg, Fl.
In addition to himself, Owner designates Dennis ONeil of ONeil CONSTRUCTION to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

Expiration date is 1 year from date of recording unless a different date is specified.

SIGNATURE OF OWNER: James Macaluso

Sworn to and subscribed before me this 9th day of July A.D. 19 2008

Notary Public Susan E Brown My Commission Expires: July 13, 2009
Signature
Susan E Brown

SUSAN E BROWN
MY COMMISSION # DD 406870
EXPIRES: July 13, 2009
Bonded Thru Notary Public Underwriters

DD 406870

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 18-7S-16-04236-014 **Building permit No.** 000026862

Use Classification SFD/UTILITY **Fire:** 32.10

Permit Holder DENNIS O'NEIL **Waste:** 83.75

Owner of Building JAMES MACALUSO **Total:** 115.85

Location: 334 SW BLUFF DRIVE

Date: 05/22/2009

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Screw (purlin) Spacing

linear feet of panels in your order	12 inch	18 inch	24 inch	30 inch
50	270	180	135	108
100	540	360	270	216
200	1080	720	540	432
300	1620	1080	810	648
400	2160	1440	1080	864
500	2700	1800	1350	1080
600	3240	2160	1620	1296
700	3780	2520	1890	1512
800	4320	2880	2160	1728
900	4860	3240	2430	1944
1000	5400	3600	2700	2160
1100	5940	3960	2970	2376
1200	6480	4320	3240	2592

Figure 6 Tuff-rib panel screw calculation chart

Panel lap detail

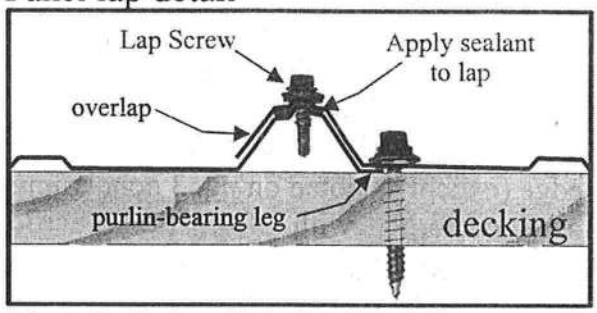


Figure 7 On low-pitched roofs butyl tape or caulk should be applied at the panel lap to keep water from overflowing the lap. Note that the *underlap* side of the panel has a short purlin-bearing leg that rests on the roof decking.

How to figure screws:

For 2-foot spacing between rows of screws, multiply the total linear feet of metal times 2.7

Example: your order is 1250 feet of Tuff-rib roofing. 1250 x 2.7 = 3375 screws

See table above for other spacings, or contact your Gulf Coast representative for a free estimate.

Gulf Coast Supply carries screws in 3 different lengths: 1 inch, 1½ inch, and 2 ½ inch. 1-inch screws will barely penetrate a 1x4, but the 1½ inch are the best all-purpose size. 1½- or 2½-inch screws are necessary for attaching ridge caps.

If care is taken, metal roofing application can be aided by pre-drilling panels, allowing screws to go quickly and accurately into the desired spacing. Pre-drilling will work provided that pilot holes <u>*are placed accurately*</u> in the proper locations on panels. Purlin spacing must be uniform and carefully measured.

To apply metal roofing over existing shingles, we recommend first overlaying the shingles with properly attached 1x4 purlins. If pressure treated purlins are used, felt paper should be applied over them in strips to prevent chemical interaction with the roofing panels. For solid decking, at least ½-inch plywood or its equivalent is required. For minimum penetration (such as might be desired over porches), 1-inch screws are recommended.

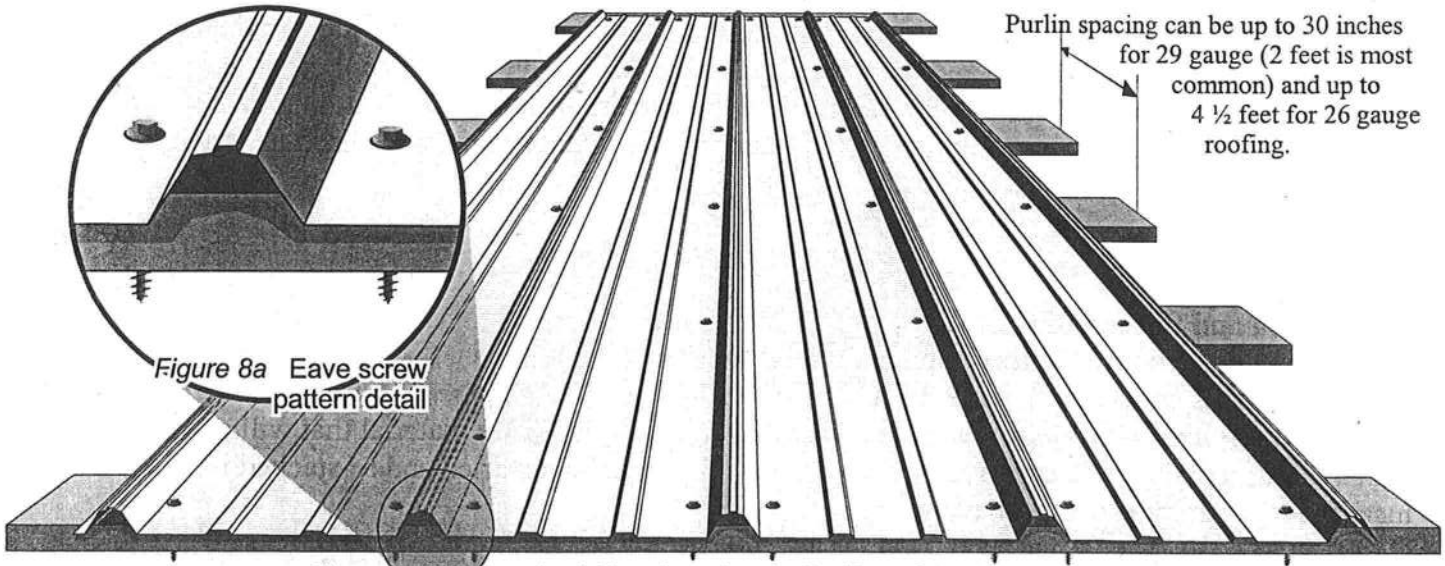
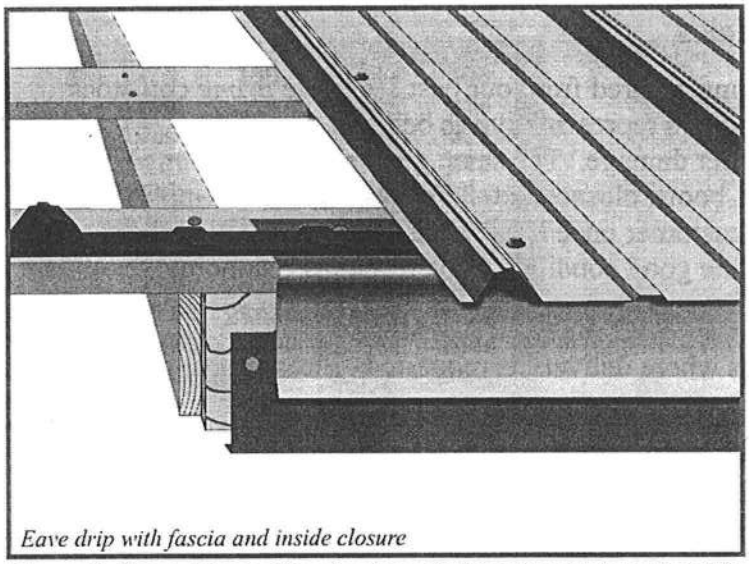


Figure 8a Eave screw pattern detail

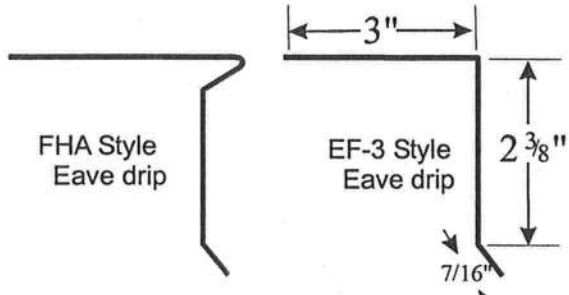
Figure 8 Screws should be placed on both sides of the ribs on the eave

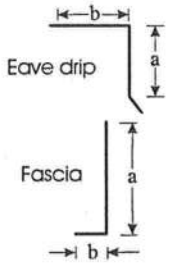


Eave drip with fascia and inside closure

Figure 9 Eave drip and fascia give a finished look along the drip eave of the house, as well as providing protection for the materials they cover. The eave drip should completely cover the top edge of the fascia. Inside closures, which seal off the open ribs of the panels, are optional.

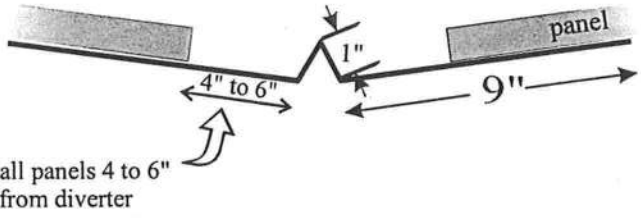
Eave Drip & Fascia



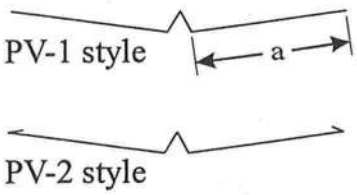


For custom eave drip, specify the amount of the eave that will be covered (dimension "a"), and, for steeper roofs, specify pitch . If fascia is desired, be sure that the dimension you order will be hidden by the eave drip.

Preformed Valley



Install panels 4 to 6" from diverter



Two basic styles of valley are available. For custom valleys, specify dimension "a"

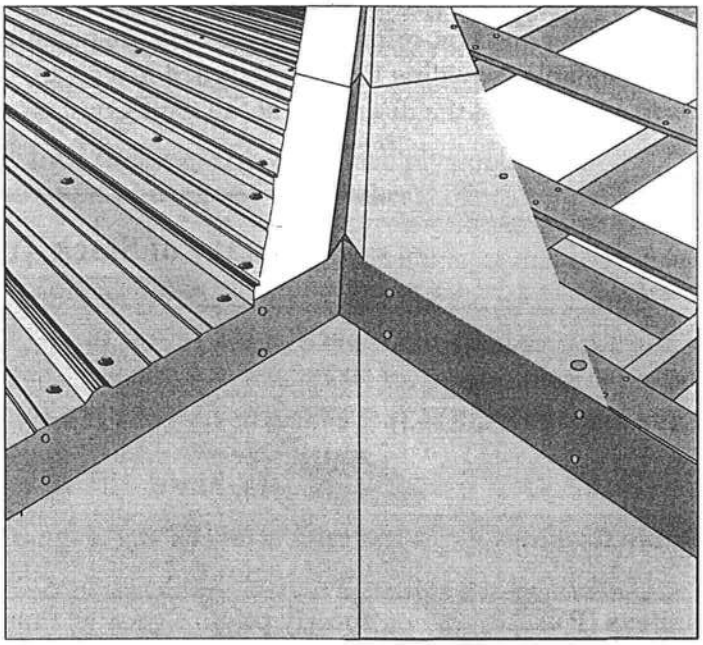
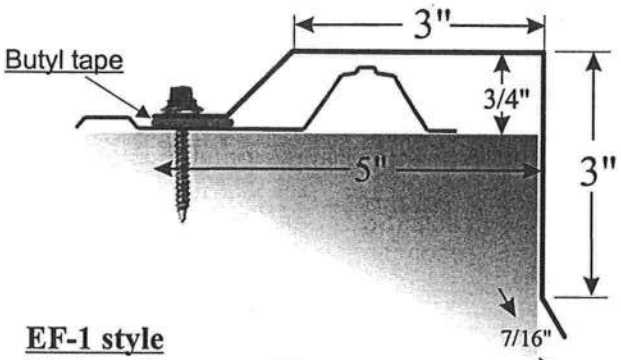
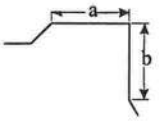


Figure 10 Pre-formed valleys use a diverter to prevent water from rushing under panels on the opposite side while meanwhile channeling water off the roof. Expanding foam closures are often used to assure a good seal.

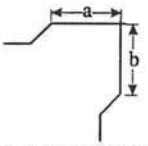
Gable Flashing ▶



EF-1 style
Custom trim—specify a custom length for ***a*** or ***b***.
Standard dimensions — ***a*** = 3"
b = 3"



GR-1 style
Custom trim—specify a custom length for ***a*** or ***b***.
Standard dimensions — ***a*** = 3"
b = 3"



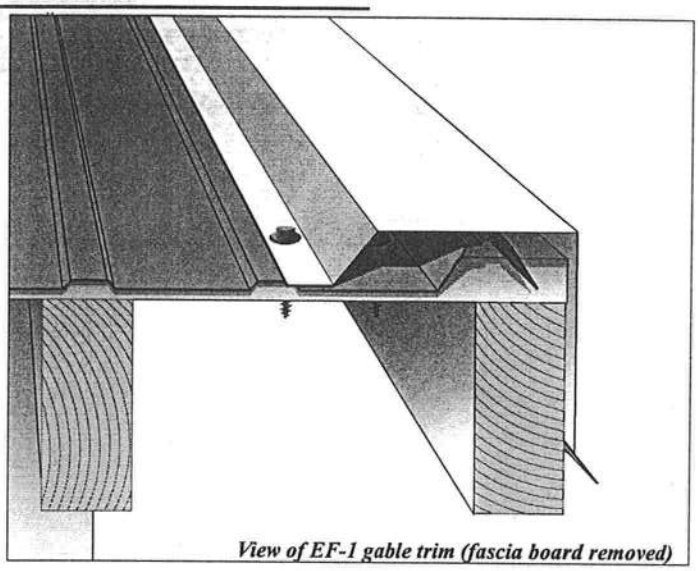


Figure 11 Gable flashing is used to trim the edge of the roofing panel at the gable end of the roof. It should match the eave drip that extends along the drip edge of the roof. If the panel is allowed to hang over the gable end, eave drip can be used instead. Butyl tape between the trim and panel eliminates leaks.

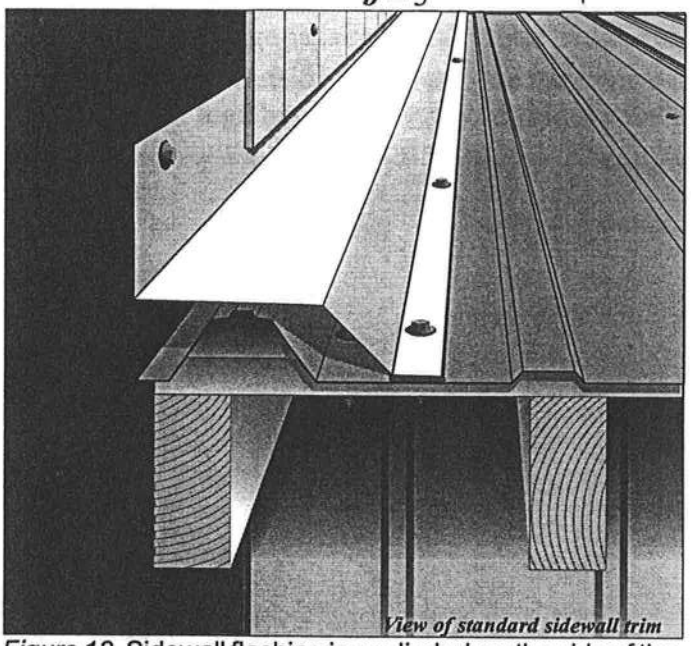
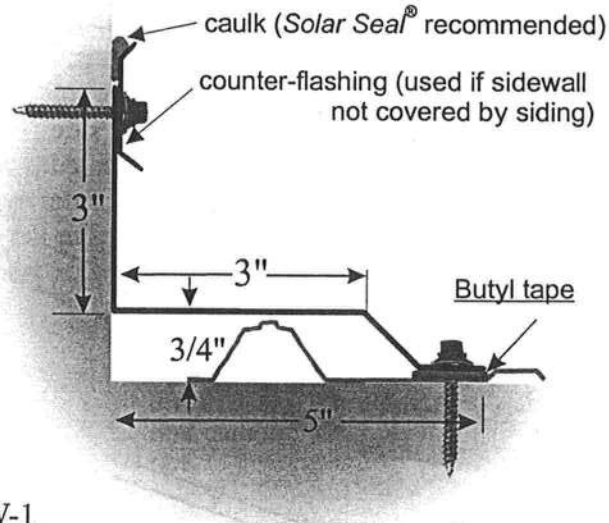
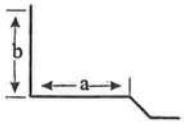


Figure 12 Sidewall flashing is applied when the side of the roof butts up against an adjacent wall. The wall-side of the flashing can either be covered over with siding or sealed with counterflashing . Butyl tape should be applied where the "foot" of the flashing attaches to the roof, and, if used, along the top edge of the counterflashing.

◀ Side-wall Flashing



SW-1
Custom trim—specify a custom length for ***a*** or ***b***.
Standard dimensions — ***a*** = 3"
b = 3"



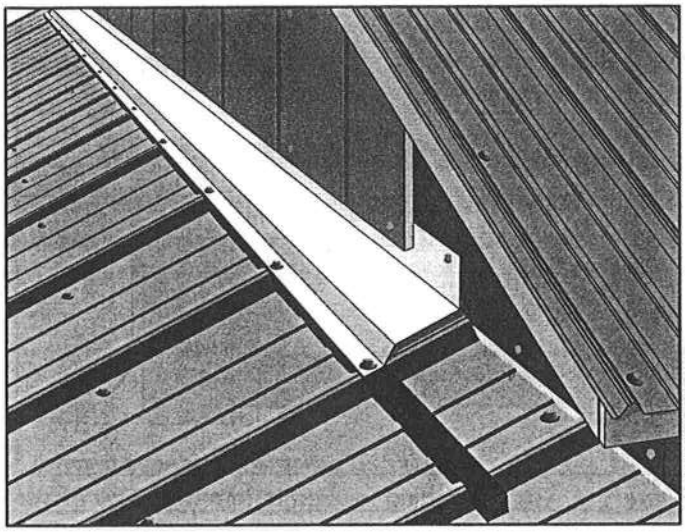
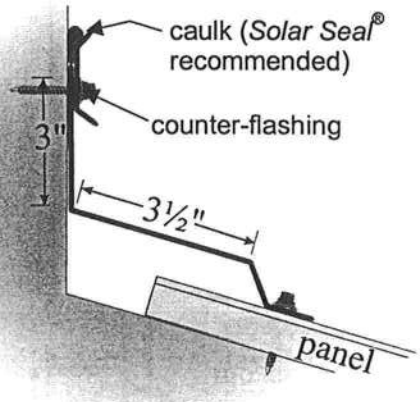
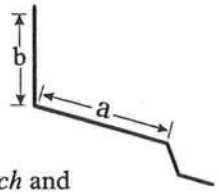


Figure 13 As with the ridge cap, the ENDWALL FLASHING above can be sealed using outside closures.

End-wall Flashing

End-wall flashing is applied where the upward slope of a roof meets a wall. The wall side of the flashing can be covered with siding or counter-flashing, and outside closures are used to seal between the flashing and the panel. Roof slope should be mentioned if roof exceeds 5/12 pitch.

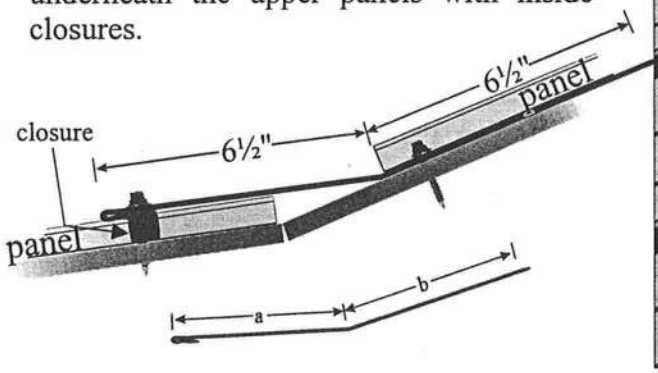




For custom end-walls, *specify roof pitch* and dimensions "a" and "b".

Transition Flashing

TRANSITION FLASHING prevents leakage at the point where two different roof pitches meet. It is sealed on the lower side with outside closures, and can be sealed underneath the upper panels with inside closures.



For custom transition flashing specify the pitches of the two roof slopes and, if necessary, dimensions "a" and "b".

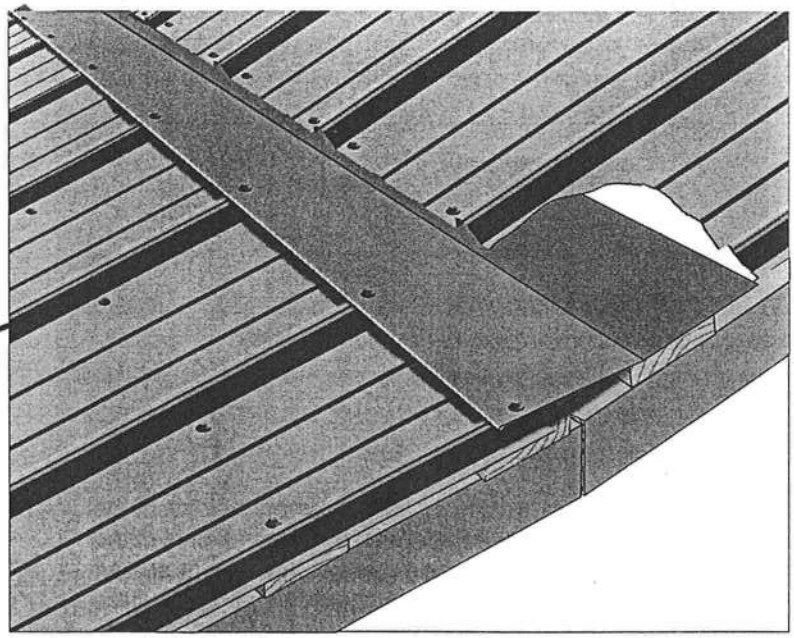


Figure 14 The transition flashing provides a continuous drainage where two slopes meet.

Ridge Cap ▶

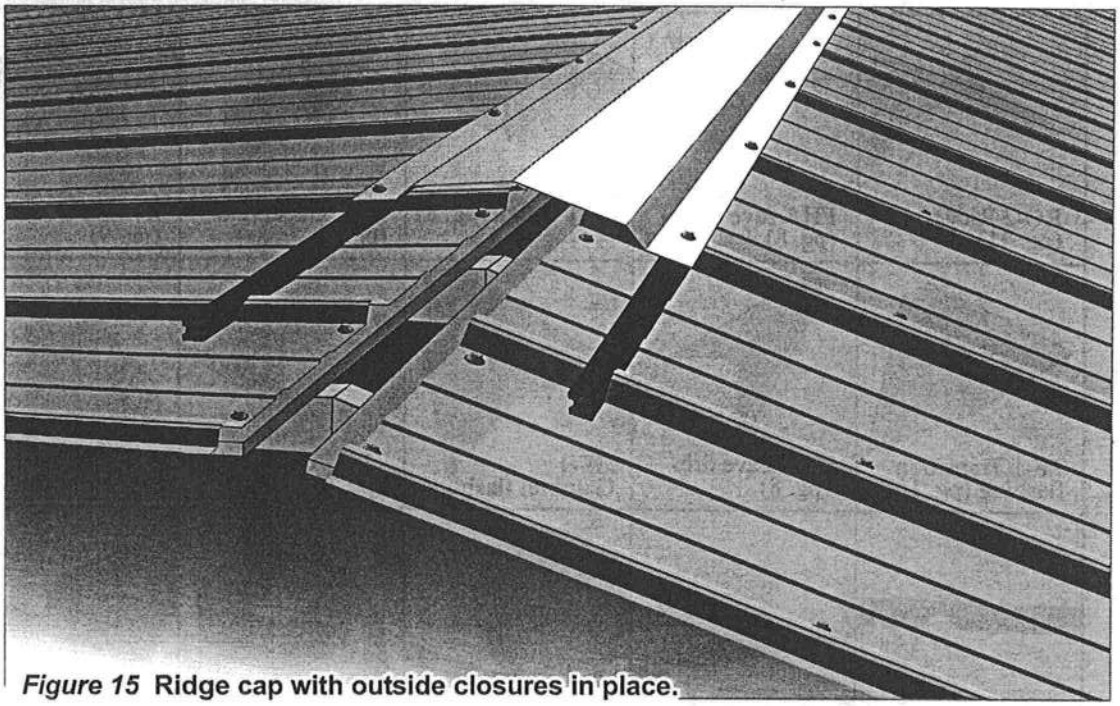


Figure 15 **Ridge cap with outside closures in place.**

The Ridge Cap is used to seal the point at which two upward slopes meet. This can be both along the ridge of the roof as well as a covering for a hip. Either woodgrip or self-drilling lap TEK screws are applied through the ribs of the metal.

Debris, insects, and blowing rain can find easy access under the ridge cap, so closures are often used to either completely or partially seal the opening. Closures under ridge caps come in 3 types: solid, vented, and hip tape.

Solid closures ("Outside Closures") are the same width as the panels. They lock together in a row placed directly under the screws that attach the ridge cap, and form a solid, water-tight, air-tight barrier. (see *Figure 14* on opposite page).

Profile Vent comes in 50 foot rolls, is 3 inches wide, and forms a water-retardant, insect resistant barrier that allows hot air to escape from the attic, and is superior to many more elaborate and expensive vent systems. Any length may be ordered.

Hip closure tape (*Peel and Seal®*) is a sticky, adhesive-backed metallic tape that seals the hip roof. It is 6 inches wide and comes in 33½ foot rolls. Because it must be conformed to the rise and fall of the panel ridges, approximately 10% extra may be needed beyond the length of the hip being covered.

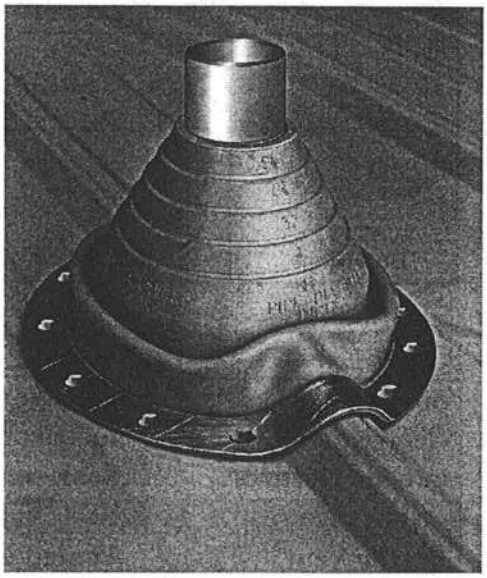
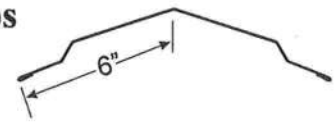
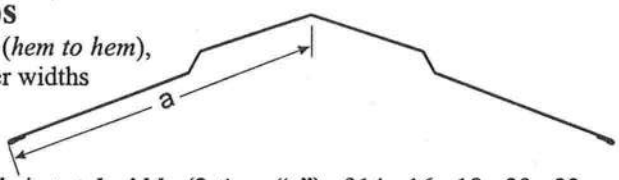


Figure 16 Pipe Boots provide a water-tight seal around roof vents and come in a variety of sizes. They seal with caulk and conform to the shape of the panel ribs.

Standard 12-inch Ridge Caps
are economical and adequate for most of your roofing needs



Over-sized Ridge Caps
are available in 18-inch widths (*hem to hem*), or as a *custom trim item* in other widths



Available in ***total widths*** (2 *times* "a") of 14-, 16-, 18-, 20-, 22-, and 24-inch

WINDOWS ATTACHMENT

TYPE	MANUFACTURER	SERIES	SIZE	JAMB TYPE/SPACING	HEADER TYPE/SPACING	SILLS TYPE/SPACING	MULLIONS
Sliding Glass Door	ESP	7222 X 0	Up to 6'- 0" X 6'-8"	8 - #8 X1 1/4" Screw	8 - #8 X1 1/4" Screw	8 - #8 X1 1/4" Tapcon Screw	
single window	ESP	130/131	up to 53x74"	3 - #8 X1" Screw See attachment	2 - #8 X1" Screw See attachment	2- #8 X1" Screw See attachment	
twin windows	ESP		4' X 4'	3 - #8 X1 1/4" Screw See attachment	6 - #8 X1 1/4" Screw See attachment	6 - #8 X1 1/4" Screw See attachment	Factory Twin with continuous HEADER & SILL
twin windows	ESP		6' X 6'	3 - #8 X1 1/4" Screw See attachment	6 - #8 X1 1/4" Screw See attachment	6- #8 X1 1/4" Screw See attachment	TUBE mull

DOORS ATTACHMENT OF FRAME

TYPE	MANUFACTURER	SERIES	SIZE	JAMB	HEADER	SILL
single Door Unit	Door Craft steel Doors	Gladiator Glazed or opaque	3'x6'8	6 - #8x3" wood screw See Attached Drawing	3 - #8x3" wood screw SEE ATTACHED Drawing	3 - 3/16x2 1/2" Tapcon See ATTACHED Drawing
DBL DOOR UNIT	"	"	up to 8'-4"x6'-8"	6 - #8x2 1/2 wood screw See ATTACHED Drawing	6 - #8x2 1/2 wood screw SEE ATTACHED Drawing	6 - 1/4" x 2 1/2" Tapcon SEE ATTACHMENT
single DOOR WITH 1 or 2 SIDELITES	"	"	up to 8'-4"x6'-8"	6 - #8x2 1/2 wood screw See ATTACHMENT	8 - #8x2 1/2 wood screw SEE ATTACHMENT	8 - 1/4x2 1/2" Tapcon SEE ATTACHMENT.

Load Short Form
1ST FLOOR
LARRY RESMONDO AIR CONDITIONING

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

Project Information

For: O'NEIL CONSTRUCTION
HIGH SPRINGS, FL

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration	
Method	Simplified
Construction quality	Average
Fireplaces	0

HEATING EQUIPMENT

Make Ruud
Trade Ruud UPNE Series
Model UPNE-048J*Z

Efficiency	8.5 HSPF	
Heating input		
Heating output	45000	Btuh @ 47°F
Temperature rise	26	°F
Actual air flow	1567	cfm
Air flow factor	0.046	cfm/Btuh
Static pressure	0.01	in H2O
Space thermostat		

COOLING EQUIPMENT

Make Ruud
Trade Ruud UPNE Series
Cond UPNE-048J*Z
Coil 21AHLA48HM+RCSA-H*4821A*

Efficiency	13 SEER	
Sensible cooling	32900	Btuh
Latent cooling	14100	Btuh
Total cooling	47000	Btuh
Actual air flow	1567	cfm
Air flow factor	0.045	cfm/Btuh
Static pressure	0.01	in H2O
Load sensible heat ratio	0.85	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
STUDY	172	3811	2919	174	132
ENTRY/HAL	135	2786	2221	127	100
1/2 BATH	38	200	171	9	8
LAUNDRY	60	312	5054	14	229
KITCHEN	182	2208	4865	101	220
DINING	203	5119	3738	234	169
LIVING ROOM	644	11448	9247	523	418
MASTER BEDROOM	342	3805	3298	174	149
W.I.CLOSET	55	1005	550	46	25
MASTER BATH	158	3184	2193	145	99
STAIRWELL	86	448	382	20	17

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1ST FLOOR Other equip loads Equip. @ 0.97 RSM Latent cooling	d	2073	34326 2110	34636 970 34538 6179	1567	1567
TOTALS		2073	36436	40716	1567	1567

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

Load Short Form
2ND FLOOR
LARRY RESMONDO AIR CONDITIONING

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

Project Information

For: O'NEIL CONSTRUCTION
HIGH SPRINGS, FL

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

HEATING EQUIPMENT

Make Ruud
Trade Ruud UPNE Series
Model UPNE-042J*Z

Efficiency	8.5 HSPF	
Heating input		
Heating output	41000	Btuh @ 47°F
Temperature rise	28	°F
Actual air flow	1350	cfm
Air flow factor	0.063	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

COOLING EQUIPMENT

Make Ruud
Trade Ruud UPNE Series
Cond UPNE-042J*Z
Coil UHSA-HM4221+RCSA-H*4821A*

Efficiency	13 SEER	
Sensible cooling	28350	Btuh
Latent cooling	12150	Btuh
Total cooling	40500	Btuh
Actual air flow	1350	cfm
Air flow factor	0.073	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.79	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
BEDROOM 2	221	2556	2563	162	188
STAIRS	86	142	279	9	20
BATH	119	1175	1074	74	79
BEDROOM 3	228	4144	3616	262	265
OPEN TO BELOW	922	12557	10077	795	738
OVERLOOK/LOFT	194	742	832	47	61
2ND FLOOR d	1768	21315	18442	1350	1350
Other equip loads		3097	946		
Equip. @ 0.97 RSM			18806		
Latent cooling			5248		
TOTALS	1768	24411	24054	1350	1350

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

Load Multizone Summary Report

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

LARRY RESMONDO AIR CONDITIONING

Infiltration Summary

ZONE NAME	Heating Volume ft³	Heating ACH	Heating AVF cfm	Heating HTM Btuh/ft²	Cooling Volume ft³	Cooling ACH	Cooling AVF cfm	Cooling HTM Btuh/ft²
1ST FLOOR	16583	0.30	84	2.2	16583	0.16	45	0.5
2ND FLOOR	14146	0.25	60	2.2	14146	0.14	32	0.5
Entire House	30729	0.28	143	2.2	30729	0.15	77	0.5

Load and AVF Summary

ROOM NAME	Area ft²	Htg load Btuh	Clg load Btuh	Htg AVF cfm	Clg AVF cfm
STUDY	172	3811	2919	174	132
ENTRY/HAL	135	2786	2221	127	100
1/2 BATH	38	200	171	9	8
LAUNDRY	60	312	5054	14	229
KITCHEN	182	2208	4865	101	220
DINING	203	5119	3738	234	169
LIVING ROOM	644	11448	9247	523	418
MASTER BEDROOM	342	3805	3298	174	149
W.I.CLOSET	55	1005	550	46	25
MASTER BATH	158	3184	2193	145	99
STAIRWELL	86	448	382	20	17
1ST FLOOR	2073	36436	34636	1567	1567
BEDROOM 2	221	2556	2563	162	188
STAIRS	86	142	279	9	20
BATH	119	1175	1074	74	79
BEDROOM 3	228	4144	3616	262	265
OPEN TO BELOW	922	12557	10077	795	738
OVERLOOK/LOFT	194	742	832	47	61
2ND FLOOR	1768	24411	18442	1350	1350
Entire House	3841	56679	53078	2076	2076

Building Analysis
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

Project Information

For: O'NEIL CONSTRUCTION
HIGH SPRINGS, FL

Design Conditions

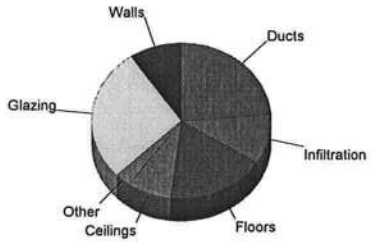
Location:
Gainesville, FL, US
Elevation: 0 ft
Latitude: 30°N

Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	33	92
Daily range (°F)	-	19 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	37	17
Relative humidity (%)	30	50
Moisture difference (gr/lb)	10.6	51.6
Infiltration:		
Method	Simplified	
Construction quality	Average	
Fireplaces	0	

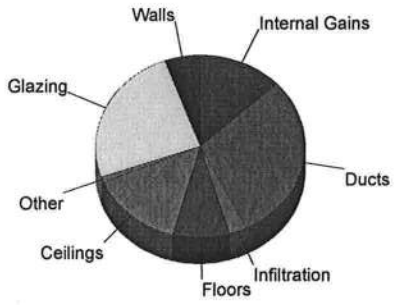
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	1.2	5404	9.5
Glazing	31.8	15729	27.8
Doors	14.4	606	1.1
Ceilings	1.2	4548	8.0
Floors	2.4	10127	17.9
Infiltration	2.2	5836	10.3
Ducts		13390	23.6
Piping		1038	1.8
Humidification		0	0.0
Ventilation		0	0.0
Adjustments		0	
Total		**56679**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.6	2929	5.5
Glazing	26.8	13239	24.9
Doors	11.4	477	0.9
Ceilings	2.0	7701	14.5
Floors	1.1	4653	8.8
Infiltration	0.5	1437	2.7
Ducts		15723	29.6
Ventilation		0	0.0
Internal gains		6920	13.0
Blower		0	0.0
Adjustments		0	
Total		**53078**	**100.0**



Overall U-value = 0.139 Btuh/ft²-°F

Data entries checked.

Building Analysis
1ST FLOOR
LARRY RESMONDO AIR CONDITIONING

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

Project Information

For: O'NEIL CONSTRUCTION
HIGH SPRINGS, FL

Design Conditions

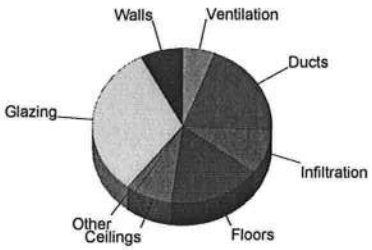
Location:
Gainesville, FL, US
Elevation: 0 ft
Latitude: 30°N

Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	33	92
Daily range (°F)	-	19 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	37	17
Relative humidity (%)	30	50
Moisture difference (gr/lb)	10.6	51.6
Infiltration:		
Method	Simplified	
Construction quality	Average	
Fireplaces	0	

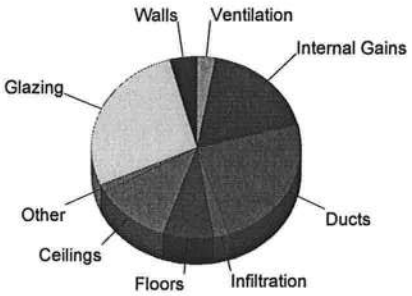
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	1.0	2868	7.9
Glazing	30.0	11586	31.8
Doors	14.4	606	1.7
Ceilings	1.2	2454	6.7
Floors	2.9	6097	16.7
Infiltration	2.2	3410	9.4
Ducts		7304	20.0
Piping		0	0.0
Humidification		0	0.0
Ventilation		2110	5.8
Adjustments		0	
Total		**36436**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.6	1554	4.4
Glazing	25.3	9754	27.4
Doors	11.4	477	1.3
Ceilings	2.0	4156	11.7
Floors	1.4	2802	7.9
Infiltration	0.5	839	2.4
Ducts		8593	24.1
Ventilation		970	2.7
Internal gains		6460	18.1
Blower		0	0.0
Adjustments		0	
Total		**35606**	**100.0**



Overall U-value = 0.162 Btuh/ft²-°F

Data entries checked.

Building Analysis
2ND FLOOR
LARRY RESMONDO AIR CONDITIONING

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

Project Information

For: O'NEIL CONSTRUCTION
HIGH SPRINGS, FL

Design Conditions

Location:
Gainesville, FL, US
Elevation: 0 ft
Latitude: 30°N

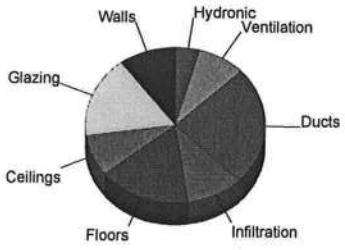
Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	33	92
Daily range (°F)	-	19 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	37	17
Relative humidity (%)	30	50
Moisture difference (gr/lb)	10.6	51.6

Infiltration:	
Method	Simplified
Construction quality	Average
Fireplaces	0

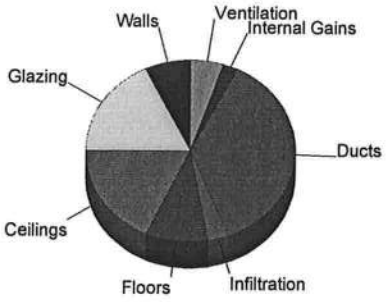
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	1.3	2536	10.4
Glazing	38.4	4143	17.0
Doors	0.0	0	0.0
Ceilings	1.2	2094	8.6
Floors	1.8	4030	16.5
Infiltration	2.2	2427	9.9
Ducts		6086	24.9
Piping		1038	4.3
Humidification		0	0.0
Ventilation		2058	8.4
Adjustments		0	
Total		**24411**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.7	1374	7.1
Glazing	32.3	3484	18.0
Doors	0.0	0	0.0
Ceilings	2.0	3545	18.3
Floors	0.8	1852	9.6
Infiltration	0.5	597	3.1
Ducts		7129	36.8
Ventilation		946	4.9
Internal gains		460	2.4
Blower		0	0.0
Adjustments		0	
Total		**19388**	**100.0**



Overall U-value = 0.111 Btuh/ft²-°F

WARNING: suspicious slab-on-grade floor perimeter in BEDROOM 2.

Project Summary
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

Project Information

For: O'NEIL CONSTRUCTION
HIGH SPRINGS, FL

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	42251	Btuh
Ducts	13390	Btuh
Central vent (102 cfm)	0	Btuh
Humidification	0	Btuh
Piping	1038	Btuh
Equipment load	56679	Btuh

Sensible Cooling Equipment Load Sizing

Structure	37355	Btuh
Ducts	15723	Btuh
Central vent (102 cfm)	0	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	51486	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	3841	3841
Volume (ft³)	30729	30729
Air changes/hour	0.28	0.15
Equiv. AVF (cfm)	143	77

Latent Cooling Equipment Load Sizing

Structure	3493	Btuh
Ducts	4343	Btuh
Central vent (102 cfm)	0	Btuh
Equipment latent load	7836	Btuh
Equipment total load	59321	Btuh
Req. total capacity at 0.70 SHR	6.1	ton

Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0.000 cfm/Btuh
Static pressure	0.00 in H2O
Space thermostat	n/a

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0.000 cfm/Btuh
Static pressure	0.00 in H2O
Load sensible heat ratio	0.00

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

Project Summary
1ST FLOOR
LARRY RESMONDO AIR CONDITIONING

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

Project Information

For: O'NEIL CONSTRUCTION
HIGH SPRINGS, FL

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	27022	Btuh
Ducts	7304	Btuh
Central vent (52 cfm)	2110	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	36436	Btuh

Sensible Cooling Equipment Load Sizing

Structure	26043	Btuh
Ducts	8593	Btuh
Central vent (52 cfm)	970	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	34538	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2073	2073
Volume (ft³)	16583	16583
Air changes/hour	0.30	0.16
Equiv. AVF (cfm)	84	45

Latent Cooling Equipment Load Sizing

Structure	1973	Btuh
Ducts	2388	Btuh
Central vent (52 cfm)	1818	Btuh
Equipment latent load	6179	Btuh
Equipment total load	40716	Btuh
Req. total capacity at 0.70 SHR	4.1	ton

Heating Equipment Summary

Make Ruud
Trade Ruud UPNE Series
Model UPNE-048J*Z

Efficiency	8.5 HSPF	
Heating input		
Heating output	45000	Btuh @ 47°F
Temperature rise	26	°F
Actual air flow	1567	cfm
Air flow factor	0.046	cfm/Btuh
Static pressure	0.01	in H2O
Space thermostat		

Cooling Equipment Summary

Make Ruud
Trade Ruud UPNE Series
Cond UPNE-048J*Z
Coil 21AHLA48HM+RCSA-H*4821A*

Efficiency	13 SEER	
Sensible cooling	32900	Btuh
Latent cooling	14100	Btuh
Total cooling	47000	Btuh
Actual air flow	1567	cfm
Air flow factor	0.045	cfm/Btuh
Static pressure	0.01	in H2O
Load sensible heat ratio	0.85	

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

Project Summary
2ND FLOOR
LARRY RESMONDO AIR CONDITIONING

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

Project Information

For: O'NEIL CONSTRUCTION
HIGH SPRINGS, FL

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	15229	Btuh
Ducts	6086	Btuh
Central vent (51 cfm)	2058	Btuh
Humidification	0	Btuh
Piping	1038	Btuh
Equipment load	24411	Btuh

Sensible Cooling Equipment Load Sizing

Structure	11312	Btuh
Ducts	7129	Btuh
Central vent (51 cfm)	946	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	18806	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1768	1768
Volume (ft³)	14146	14146
Air changes/hour	0.25	0.14
Equiv. AVF (cfm)	60	32

Latent Cooling Equipment Load Sizing

Structure	1520	Btuh
Ducts	1955	Btuh
Central vent (51 cfm)	1773	Btuh
Equipment latent load	5248	Btuh
Equipment total load	24054	Btuh
Req. total capacity at 0.70 SHR	2.2	ton

Heating Equipment Summary

Make	Ruud
Trade	Ruud UPNE Series
Model	UPNE-042J*Z

Efficiency	8.5 HSPF	
Heating input		
Heating output	41000	Btuh @ 47°F
Temperature rise	28	°F
Actual air flow	1350	cfm
Air flow factor	0.063	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Ruud
Trade	Ruud UPNE Series
Cond	UPNE-042J*Z
Coil	UHSA-HM4221+RCSA-H*4821A*

Efficiency	13 SEER	
Sensible cooling	28350	Btuh
Latent cooling	12150	Btuh
Total cooling	40500	Btuh
Actual air flow	1350	cfm
Air flow factor	0.073	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.79	

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

Duct System Summary
1ST FLOOR
LARRY RESMONDO AIR CONDITIONING

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

Project Information

For: O'NEIL CONSTRUCTION
HIGH SPRINGS, FL

	Heating	Cooling
External static pressure	***0.01*** in H2O	***0.01*** in H2O
Pressure losses	0.25 in H2O	0.25 in H2O
Available static pressure	-0.2 in H2O	-0.2 in H2O
Supply / return available pressure	-0.14 / -0.11 in H2O	-0.14 / -0.11 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.010*** in/100ft
Actual air flow	1567 cfm	1567 cfm
Total effective length (TEL)	240 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
STUDY	h 2919	174	132	0.010	10	12x6	VIFx	135.0	0.0	st1
ENTRY/HAL	h 2221	127	100	0.010	8	12x5	VIFx	135.0	0.0	st1
1/2 BATH	h 171	9	8	0.010	4	12x1	VIFx	135.0	0.0	st1
LAUNDRY-A	c 2527	7	114	0.010	8	12x4	VIFx	135.0	0.0	st1
LAUNDRY	c 2527	7	114	0.010	8	12x4	VIFx	135.0	0.0	st1
KITCHEN-A	c 2433	50	110	0.010	8	12x4	VIFx	135.0	0.0	st1
KITCHEN	c 2433	50	110	0.010	8	12x4	VIFx	135.0	0.0	st1
DINING	h 3738	234	169	0.010	11	12x8	VIFx	135.0	0.0	st1
LIVING ROOM-A	h 3082	174	139	0.010	10	12x6	VIFx	135.0	0.0	st1
LIVING ROOM-B	h 3082	174	139	0.010	10	12x6	VIFx	135.0	0.0	st1
LIVING ROOM	h 3083	174	139	0.010	10	12x6	VIFx	135.0	0.0	st1A
MASTER BEDROOM	h 3298	174	149	0.010	10	12x6	VIFx	135.0	0.0	st1A
W.I.CLOSET	h 550	46	25	0.010	5	12x1	VIFx	135.0	0.0	st1B
MASTER BATH	h 2193	145	99	0.010	9	12x5	VIFx	135.0	0.0	st1B
STAIRWELL	h 382	20	17	0.010	4	12x1	VIFx	135.0	0.0	st1C

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1567	1567	0.010	353	27	16 x 40	RectFbg	
st1A	Peak AVF	560	430	0.010	336	17	16 x 15	RectFbg	st1
st1B	Peak AVF	212	141	0.010	318	11	16 x 6	RectFbg	st1A
st1C	Peak AVF	20	17	0.010	184	10	16 x 1	RectFbg	st1B

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb2	0x0	174	139	105.0	0.010	348	10	12x 6		VlFx	
rb3	0x0	174	149	105.0	0.010	347	10	12x 6		VlFx	

Duct System Summary
2ND FLOOR
LARRY RESMONDO AIR CONDITIONING

Job: JAMES MACALUSO
Date: Nov 27, 2007
By:

Project Information

For: O'NEIL CONSTRUCTION
HIGH SPRINGS, FL

	Heating	Cooling
External static pressure	***0.10*** in H2O	***0.10*** in H2O
Pressure losses	0.25 in H2O	0.25 in H2O
Available static pressure	-0.2 in H2O	-0.2 in H2O
Supply / return available pressure	-0.08 / -0.07 in H2O	-0.08 / -0.07 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.100*** in/100ft
Actual air flow	1350 cfm	1350 cfm
Total effective length (TEL)	180 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BEDROOM 2	c 2563	162	188	0.100	8	12x5	VlFx	100.0	0.0	st1
STAIRS	c 279	9	20	0.100	4	12x1	VlFx	100.0	0.0	st1A
BATH	c 1074	74	79	0.100	6	12x3	VlFx	100.0	0.0	st1
BEDROOM 3	c 3616	262	265	0.100	10	12x7	VlFx	100.0	0.0	st1
OPEN TO BELOW-A	h 4186	265	246	0.100	10	12x7	VlFx	100.0	0.0	st1
OPEN TO BELOW-B	h 4186	265	246	0.100	10	12x7	VlFx	100.0	0.0	st1
OPEN TO BELOW	h 4187	265	246	0.100	10	12x7	VlFx	100.0	0.0	st1
OVERLOOK/LOFT	c 832	47	61	0.100	6	12x2	VlFx	100.0	0.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1350	1350	0.100	810	17	16 x 15	RectFbg	
st1A	Peak AVF	9	20	0.100	184	10	16 x 1	RectFbg	st1

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb2	0x0	162	188	80.0	0.100	450	8	12x 5		VlFx	
rb3	0x0	262	265	80.0	0.100	454	10	12x 7		VlFx	
rb4	0x0	265	246	80.0	0.100	454	10	12x 7		VlFx	

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 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 1606 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 104.2.1). 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.
☑ ON PLANS See Notes	☐	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☑	☐	**Elevations including:**
☑	☐	a) All sides
☑ shed A-1	☐	b) Roof pitch
☑ shed A-1	☐	c) Overhang dimensions and detail with attic ventilation
☑	☐	d) Location, size and height above roof of chimneys
☐ N.A	☐	e) Location and size of skylights
☑	☐	f) Building height
☑	☐	e) Number of stories

Floor Plan including:

- ☑ ☐ a) Rooms labeled and dimensioned
- ☑ ☐ b) Shear walls
- ☑ ☐ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☑ ☐ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☐ ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☑ A-4 ☐ f) 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
- ☐ 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 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☐ N.A. ☐ 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 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- ☐ N.A. ☐ 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
  6. Roof assembly shown here or on roof system detail (FBC 104.2.1 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 retardant (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)

☐ ☑ **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 — note on A-8
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) — see Attached
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable) — N/A
9. Fireproofing requirements — N/A
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade — N/A
    a. Vapor retardant (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 R-30
    b. Exterior wall cavity R-19
    c. Crawl space (if applicable) R-19

☐ 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

HVAC information

☐ ☐ a) Manual J sizing equipment or equivalent computation

☐ ☐ b) Exhaust fans in bathroom

☐ ☐ **Energy Calculations** (dimensions shall match plans)

☐ N.A. ☐ **Gas System** Type (LP or Natural) Location and BTU demand of equipment

☐ N/A ☐ **Disclosure Statement for Owner Builders**

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

☐ ☐ **Private Potable Water** — Existing Well

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.

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

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

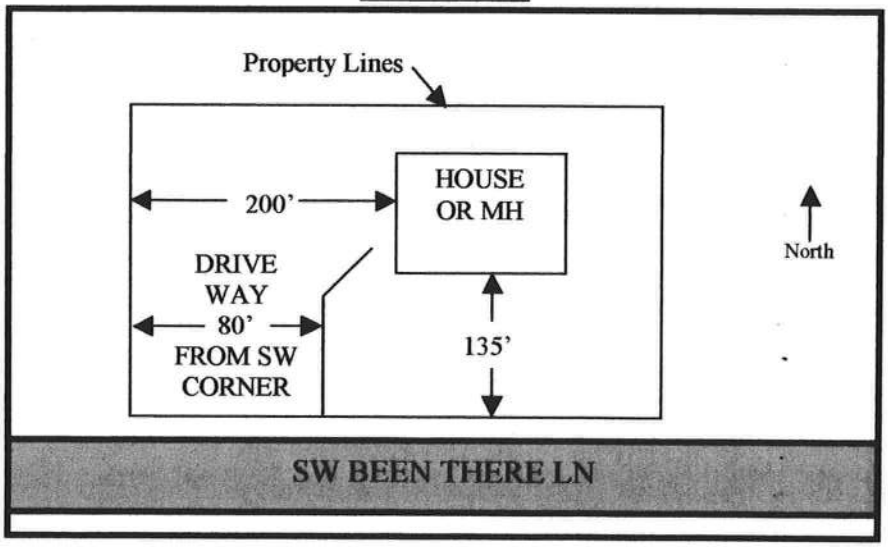
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
    a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
    b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
    c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

COLUMBIA COUNTY BUILDING DEPARTMENT
CHECKLIST FOR PERMITTING

Application #_____

✓ **Notarized completed Building Permit Application**
Notes:

N.A. **If an Owner Builder, signed Disclosure Statement**
Notes: N.A.

✓ **Recorded Deed or a Notarized Affidavit (form from the Building Dept.)**
Notes:

✓ **Approved and Signed Site Plan from Environmental Health on the septic**
Notes:

✓ **Site plan with actual distances of the structure to each property line**
Notes: ON PLAN

911 Address form, Contact 386.752.8787 for an appointment
Notes: 911 Address

✓ **Residential or Commercial Checklist completed**
Notes:

Driving directions including all road names
Notes: ON Permit Application

Well information (on plans or letter from the well driller)
Notes: Existing

Before the 1st inspection Recorded Notice of Commencement signed by owner
Notes:

✓ **2 sets of plans (blueprints)**
Notes:

✓ **2 sets of sealed truss engineering**
Notes:

✓ **2 sets of energy code & manual J**
Notes:

✓ **2 sets of engineering packets including specs on windows, doors, roof and etc.**
Notes:

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: **0801-02**

Applicant: O'Neil Construction
Owner: James Macaluso
Contractor: O'Neil Construction
Property Identification # 18-7s-16-04236-014

On the date of January 7, 2008 building permit application number 0801-02 and the submitted plans for construction of a single family dwelling were reviewed. The following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0801-02 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Codes 2004 only and doesn't make any consideration toward the land use and zoning requirement

1.Sheet A-2 (foundation plans) general notes, note # 3 requires that the soil have a bearing capacity of 2,500 pounds per square foot. The Florida Residential Building chapter four, section R401.4.1 Geotechnical evaluation list the presumptive load-bearing values of foundation materials. The soils which are prevalent in the area of construction are Sand, silty sand, clayey sand, silty gravel and clayey gravel which may have a load bearing pressure equal to 2,000 pound per square foot. To insure that the foundation has sufficient supporting soils please have a registered professional geotechnical testing agency conduct subsurface explorations at the project site upon which foundations are to be constructed, a sufficient number (not less than four, one boring on each corner of the building foundation) borings shal be made to a depth of not less than 10 feet below the level of the foundations to provide assurance of the soundness of the foundation bed and its load-bearing capacity. Have the professional geotechnical testing agency submit a report to this department showing the following information.

A. A plot showing the location of test borings and/or excavations.

B. A complete record of the soil samples.

C. A record of the soil profile.

D. Elevation of the water table, if encountered.

E. Recommendations for foundation type and design criteria, including but not limited to: bearing capacity of natural or compacted soil; provisions to mitigate the effects of

expansive soils; mitigation of the effects of liquefaction, differential settlement and varying soil strength; and the effects of adjacent loads.

F. Expected total and differential settlement.

G. Pile and pier foundation information.

H. Special design and construction provisions for footings or foundations founded on expansive soils, as necessary.

2. Please verify that one window in each bedroom will have the required opening area to meet the requirements for emergency escape and rescue as stated in the Florida Residential Building chapter three section R310.1

R310.1.1 Minimum opening area: All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet.

R310.1.2 Minimum opening height: The minimum net clear opening height shall be 24 inches.

R310.1.3 Minimum opening width: The minimum net clear opening width shall be 20 inches.

R310.1.4 Operational constraints: Emergency escape and rescue openings shall be operational from the inside of the room without the use of keys or tools.

3. Please verify that all exterior and interior stairs and stairwells meet the requirements of the Florida Residential Building chapter three sections R311.1in its entirety along with sections R312.1 guards requirements in its entirety. Show the method of attachment of all guards systems to the structure to insure that the guard system will have sufficient stability to provide a minimum uniformly distributed live load of 200 pound per square foot as a single concentrated load applied in any direction at any point along the top rail.

4. Provide a drawing using a typical exterior load bearing shear wall sections that details the components which will be used to construct the two story wall section, showing the required structural elements which will be used to construct these shear walls. Include the lumber type, sizes, and spacing. The material fasteners of the structural elements to each other and to the foundation.

Thank You:

Joe Haltiwanger
Plan Examiner
County Building Department

MiTek®
POWER TO PERFORM.™

MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO 63017-5746

Re: 0662-2
JAMES MACALUSO

The truss drawing(s) referenced below have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Reese Building Components, Inc.

Pages or sheets covered by this seal: I13216695 thru I13216707

My license renewal date for the state of Florida is February 28, 2009.

December 12,2007

Garcia, Juan

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1995 Sec. 2.

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	I13216695
0662-2	AG1	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:34 2007 Page 1

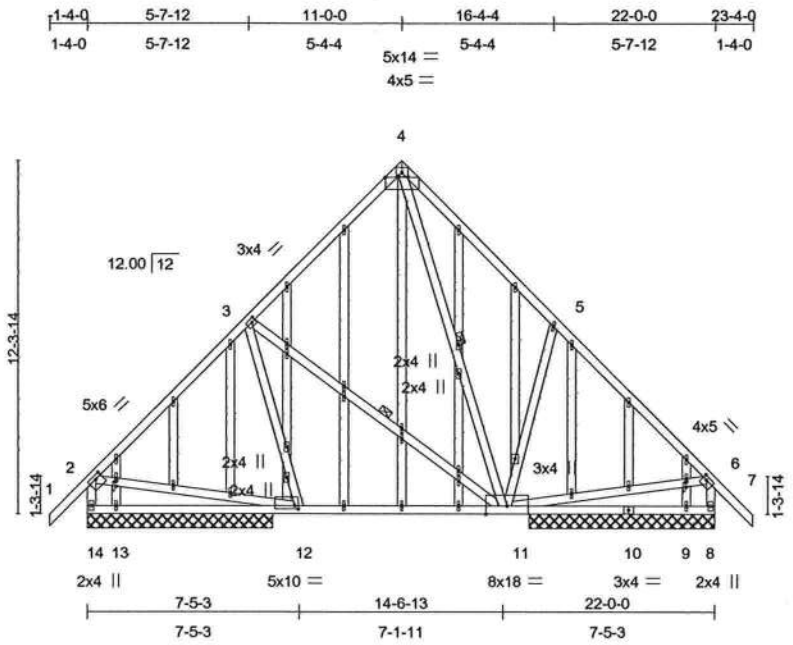


Plate Offsets (X,Y): [2:0-2-12,0-1-8], [3:0-1-12,0-1-8], [4:0-2-8,0-1-12], [4:0-5-10,Edge], [6:0-1-12,0-1-8], [12:0-1-8,0-1-8], [27:0-2-0,0-0-8], [40:0-2-0,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.00	13	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.07	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 259 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-0 oc bracing.
WEBS 1 Row at midpt 3-11, 4-11

REACTIONS (lb/size) 14=389/6-6-0, 12=399/6-6-0, 11=618/6-6-0, 8=303/6-6-0, 13=111/6-6-0, 9=93/6-6-0
Max Horz 14=-535(LC 2)
Max Uplift14=-265(LC 5), 12=-160(LC 4), 11=-492(LC 5), 8=-85(LC 5)
Max Grav 14=389(LC 1), 12=399(LC 1), 11=618(LC 1), 8=303(LC 1), 13=128(LC 9), 9=106(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/63, 2-3=-343/184, 3-4=-246/227, 4-5=-147/217, 5-6=-223/99, 6-7=0/63, 2-14=-425/203, 6-8=-328/79
BOT CHORD 13-14=-540/527, 12-13=-540/527, 11-12=-221/387, 10-11=-75/73, 9-10=-75/73, 8-9=-75/73
WEBS 3-12=-275/197, 3-11=-11/236, 4-11=-218/38, 5-11=-293/484, 2-12=-110/295, 6-11=-102/414

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) All plates are 1x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 265 lb uplift at joint 14, 160 lb uplift at joint 12, 492 lb uplift at joint 11 and 85 lb uplift at joint 8.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 12,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662-2	AT1	ATTIC	5	1	I13216696
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:35 2007 Page 1

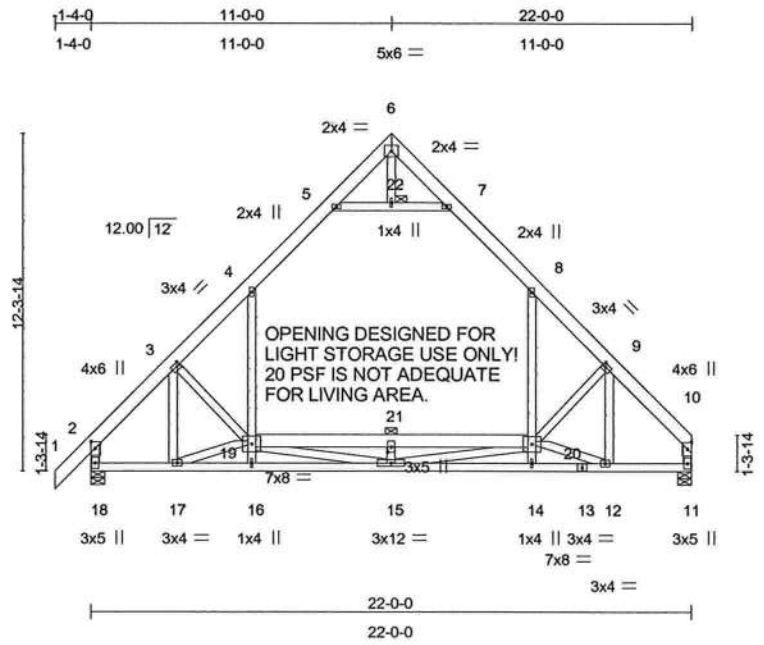


Plate Offsets (X,Y): [2:0-3-0,0-1-12], [3:0-1-4,0-1-8], [9:0-1-4,0-1-8], [21:0-2-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	0.17	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.28	14-15	>935	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.38	Horz(TL)	0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 211 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
2-18 2 X 4 SYP No.2, 10-11 2 X 4 SYP No.2, 19-20 2 X 6 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-7 oc bracing.
WEBS 1 Row at midpt 19-20
JOINTS 1 Brace at Jt(s): 22

REACTIONS (lb/size) 18=1151/0-6-0, 11=1057/0-6-0
Max Horz 18=559(LC 3)
Max Uplift18=-477(LC 4), 11=-389(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-1105/448, 3-4=-969/480, 4-5=-637/396, 5-6=-108/186, 6-7=-104/188, 7-8=-636/401, 8-9=-973/493, 9-10=-1114/444, 2-18=-985/468, 10-11=-893/358
BOT CHORD 17-18=-455/654, 16-17=-932/1175, 15-16=-980/1144, 14-15=-795/1167, 13-14=-759/1197, 12-13=-759/1197, 11-12=-210/671
WEBS 14-20=0/139, 8-20=-172/416, 16-19=0/140, 4-19=-158/416, 19-21=-1102/645, 20-21=-1102/645, 5-22=-828/639, 7-22=-828/639, 15-21=-153/74, 15-19=-701/985, 15-20=-783/968, 17-19=-616/517, 12-20=-620/698, 3-19=-169/348, 9-20=-191/372, 6-22=-14/19, 3-17=-146/147, 9-12=-198/207

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 477 lb uplift at joint 18 and 389 lb uplift at joint 11.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-6=-60, 6-10=-60, 11-18=-20, 19-20=-40(F)

JUAN GARCIA LICENSE No 58521 STATE OF FLORIDA PROFESSIONAL ENGINEER

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 12,2007

POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662-2	G1	ROOF TRUSS	2	1	I13216697
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:35 2007 Page 1

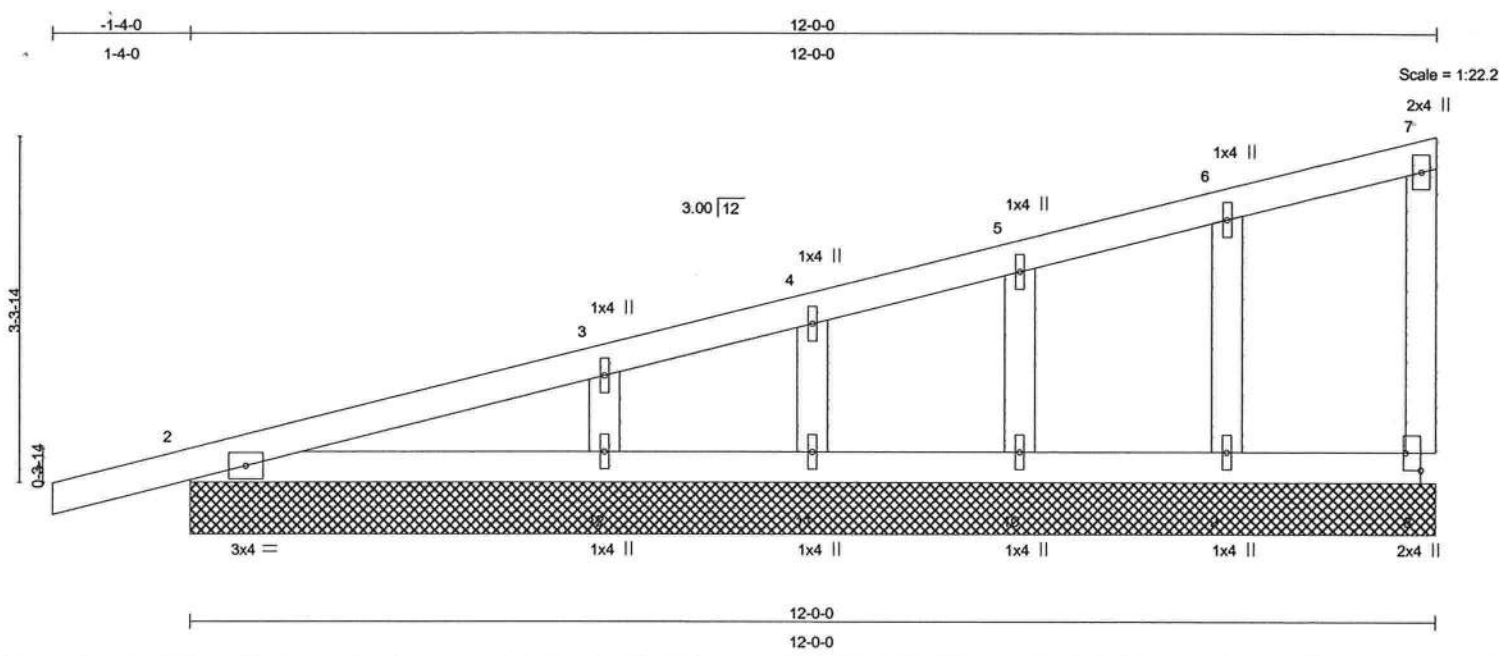


Plate Offsets (X,Y): [8:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	0.01	1	n/r	90		
BCLL	0.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 51 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 8=66/12-0-0, 2=229/12-0-0, 9=159/12-0-0, 10=175/12-0-0, 11=102/12-0-0, 12=298/12-0-0
Max Horz 2=184(LC 3)
Max Uplift8=-26(LC 3), 2=-146(LC 2), 9=-76(LC 2), 10=-84(LC 4), 11=-61(LC 2), 12=-126(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-130/26, 3-4=-96/5, 4-5=-81/15, 5-6=-62/29, 6-7=-41/38, 7-8=-48/40
BOT CHORD 2-12=-36/41, 11-12=-36/41, 10-11=-36/41, 9-10=-36/41, 8-9=-36/41
WEBS 6-9=-121/86, 5-10=-129/108, 4-11=-82/74, 3-12=-213/160

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 8, 146 lb uplift at joint 2, 76 lb uplift at joint 9, 84 lb uplift at joint 10, 61 lb uplift at joint 11 and 126 lb uplift at joint 12.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 12,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662-2	G2	ROOF TRUSS	1	1	I13216698
					Job Reference (optional)

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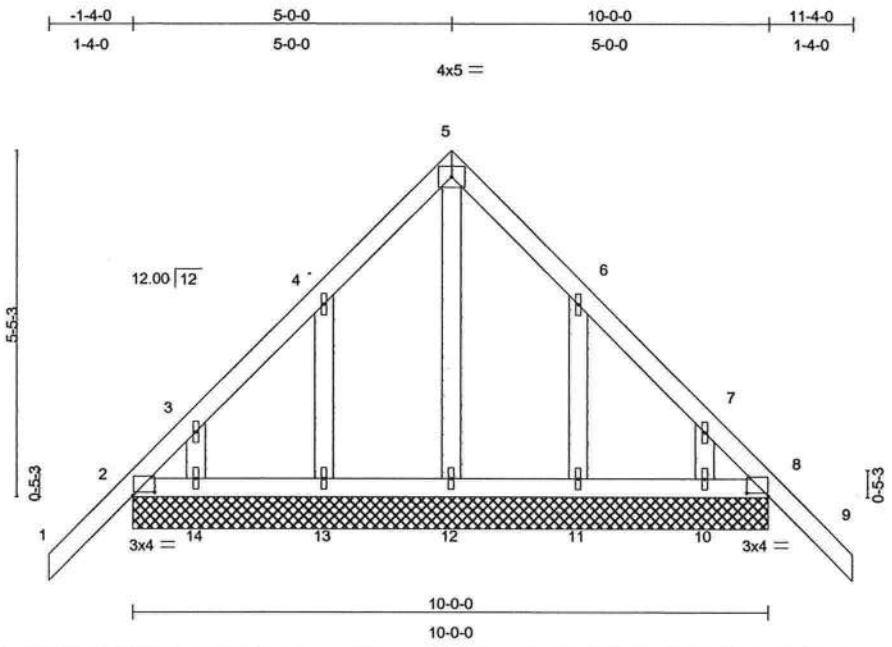


Plate Offsets (X,Y): [2:0-4-2,0-0-10], [8:0-4-2,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.01	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.01	9	n/r	90		
BCLL	0.0	Rep Stress Incr	NO	WB	0.06	Horz(TL)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 61 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=186/10-0-0, 8=186/10-0-0, 12=111/10-0-0, 13=172/10-0-0, 14=67/10-0-0, 11=172/10-0-0, 10=67/10-0-0
Max Horz 2=-222(LC 2)
Max Uplift2=-134(LC 2), 8=-117(LC 5), 13=-201(LC 4), 14=-56(LC 3), 11=-199(LC 5), 10=-55(LC 2)
Max Grav 2=186(LC 1), 8=186(LC 1), 12=147(LC 5), 13=177(LC 8), 14=88(LC 2), 11=177(LC 9), 10=86(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/55, 2-3=-207/141, 3-4=-130/121, 4-5=-74/160, 5-6=-74/142, 6-7=-77/69, 7-8=-154/88, 8-9=0/55
BOT CHORD 2-14=-25/230, 13-14=-25/230, 12-13=-25/230, 11-12=-25/230, 10-11=-25/230, 8-10=-25/230
WEBS 5-12=-124/0, 4-13=-130/211, 3-14=-74/123, 6-11=-130/209, 7-10=-74/123

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) All plates are 1x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 2, 117 lb uplift at joint 8, 201 lb uplift at joint 13, 56 lb uplift at joint 14, 199 lb uplift at joint 11 and 55 lb uplift at joint 10.

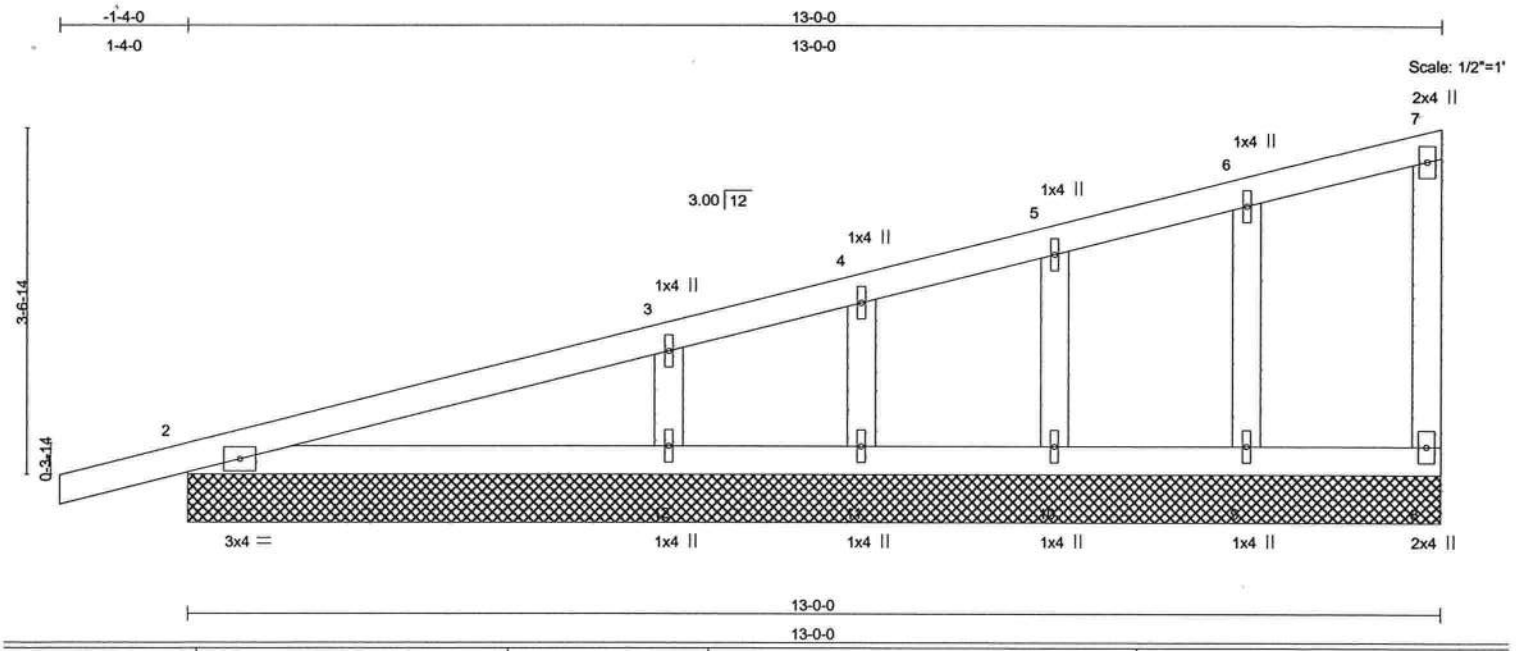
LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 12,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	
0662-2	G4	ROOF TRUSS	1	1	Job Reference (optional)	I13216699

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:37 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	0.03	1	n/r	90		
BCLL	0.0	Rep Stress Incr	NO	WB	0.06	Horz(TL)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 56 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 8=66/13-0-0, 2=257/13-0-0, 9=156/13-0-0, 10=189/13-0-0, 11=46/13-0-0, 12=395/13-0-0
Max Horz 2=199(LC 3)
Max Uplift8=-27(LC 3), 2=-155(LC 2), 9=-74(LC 2), 10=-90(LC 4), 11=-34(LC 2), 12=-175(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-139/35, 3-4=-96/9, 4-5=-84/19, 5-6=-65/32, 6-7=-44/41, 7-8=-48/42
BOT CHORD 2-12=-39/45, 11-12=-39/45, 10-11=-39/45, 9-10=-39/45, 8-9=-39/45
WEBS 6-9=-119/82, 5-10=-138/114, 4-11=-46/48, 3-12=-278/209

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 8, 155 lb uplift at joint 2, 74 lb uplift at joint 9, 90 lb uplift at joint 10, 34 lb uplift at joint 11 and 175 lb uplift at joint 12.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 12,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	
0662-2	G5	ROOF TRUSS	2	1	Job Reference (optional)	I13216700

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:37 2007 Page 1

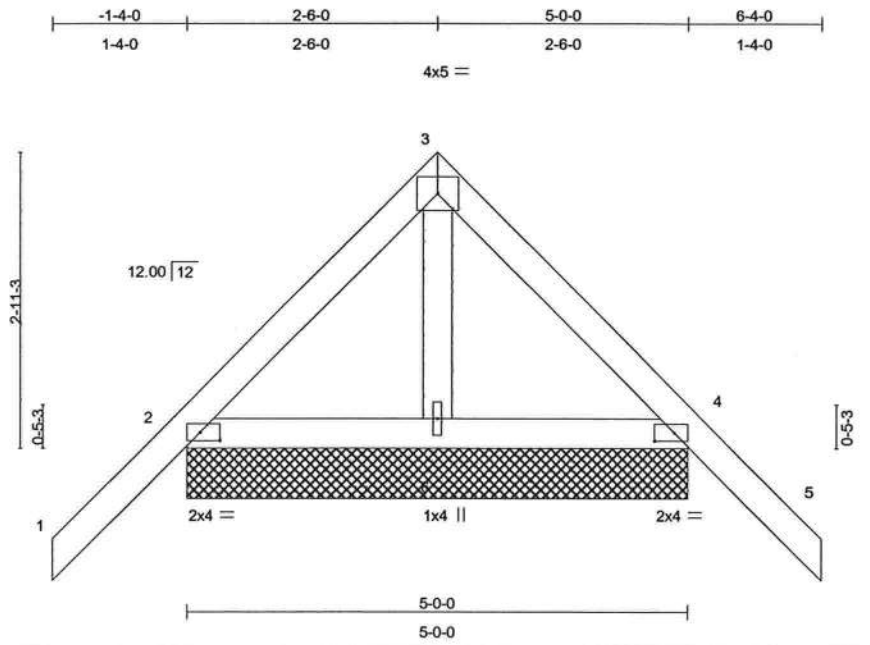


Plate Offsets (X,Y): [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.01	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.01	5	n/r	90		
BCLL	0.0	Rep Stress Incr	NO	WB	0.01	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 28 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=211/5-0-0, 4=211/5-0-0, 6=138/5-0-0
Max Horz 2=-117(LC 2)
Max Uplift2=-186(LC 4), 4=-203(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/55, 2-3=-91/72, 3-4=-91/63, 4-5=0/55
BOT CHORD 2-6=-0/155, 4-6=-0/155
WEBS 3-6=-76/8

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 2 and 203 lb uplift at joint 4.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 12,2007

POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	
0662-2	G6	ROOF TRUSS	2	1	Job Reference (optional)	I13216701

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:39 2007 Page 1

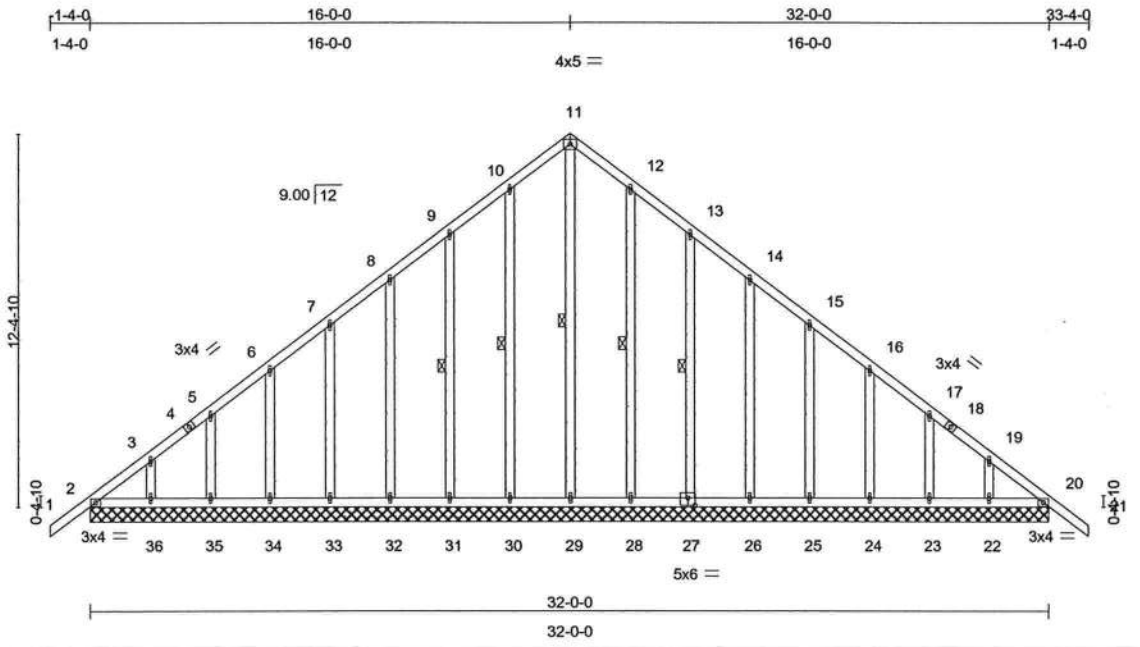


Plate Offsets (X,Y): [27:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.01	21	n/r	120	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.01	21	n/r	90		
BCLL	0.0	Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.02	20	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 252 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 11-29, 10-30, 9-31, 12-28, 13-27

REACTIONS (lb/size) 2=192/32-0-0, 29=133/32-0-0, 30=158/32-0-0, 31=161/32-0-0, 32=160/32-0-0, 33=160/32-0-0, 34=159/32-0-0, 35=166/32-0-0, 36=138/32-0-0, 28=157/32-0-0, 27=160/32-0-0, 26=161/32-0-0, 25=160/32-0-0, 24=159/32-0-0, 23=165/32-0-0, 22=138/32-0-0, 20=193/32-0-0
Max Horz 2=-513(LC 2)
Max Uplift 2=-191(LC 2), 30=-101(LC 4), 31=-147(LC 4), 32=-132(LC 4), 33=-136(LC 4), 34=-131(LC 4), 35=-149(LC 4), 36=-88(LC 4), 28=-93(LC 5), 27=-149(LC 5), 26=-131(LC 5), 25=-136(LC 5), 24=-131(LC 5), 23=-149(LC 5), 22=-86(LC 5), 20=-86(LC 3)
Max Grav 2=241(LC 3), 29=376(LC 5), 30=162(LC 8), 31=161(LC 1), 32=160(LC 8), 33=160(LC 8), 34=159(LC 1), 35=166(LC 8), 36=138(LC 8), 28=161(LC 9), 27=160(LC 1), 26=161(LC 9), 25=160(LC 9), 24=159(LC 1), 23=165(LC 9), 22=138(LC 9), 20=193(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-478/307, 3-4=-404/277, 4-5=-394/288, 5-6=-333/280, 6-7=-263/271, 7-8=-193/263, 8-9=-124/277, 9-10=-61/358, 10-11=-60/404, 11-12=-60/391, 12-13=-61/310, 13-14=-62/199, 14-15=-62/125, 15-16=-95/103, 16-17=-164/112, 17-18=-224/120, 18-19=-235/109, 19-20=-328/136, 20-21=0/46
BOT CHORD 2-36=-83/384, 35-36=-83/384, 34-35=-83/384, 33-34=-83/384, 32-33=-83/384, 31-32=-83/384, 30-31=-83/384, 29-30=-83/384, 28-29=-83/384, 27-28=-83/384, 26-27=-83/382, 25-26=-83/382, 24-25=-83/382, 23-24=-83/382, 22-23=-83/382, 20-22=-83/382
WEBS 11-29=-356/0, 10-30=-122/121, 9-31=-121/167, 8-32=-120/152, 7-33=-120/155, 6-34=-119/153, 5-35=-122/161, 3-36=-110/138, 12-28=-122/113, 13-27=-120/169, 14-26=-120/152, 15-25=-120/155, 16-24=-119/153, 17-23=-122/161, 19-22=-110/136

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) All plates are 1x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 2, 101 lb uplift at joint 30, 147 lb uplift at joint 31, 132 lb uplift at joint 32, 136 lb uplift at joint 33, 131 lb uplift at joint 34, 149 lb uplift at joint 35, 88 lb uplift at joint 36, 93 lb uplift at joint 28, 149 lb uplift at joint 27, 131 lb uplift at joint 26, 136 lb uplift at joint 25, 131 lb uplift at joint 24, 149 lb uplift at joint 23, 86 lb uplift at joint 22 and 86 lb uplift at joint 20.

Continued on page 2

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FL Cert.#6634

December 12,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662-2	G6	ROOF TRUSS	2	1	I13216701
					Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	
0662-2	M1	ROOF TRUSS	24	1	Job Reference (optional)	I13216702

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:39 2007 Page 1

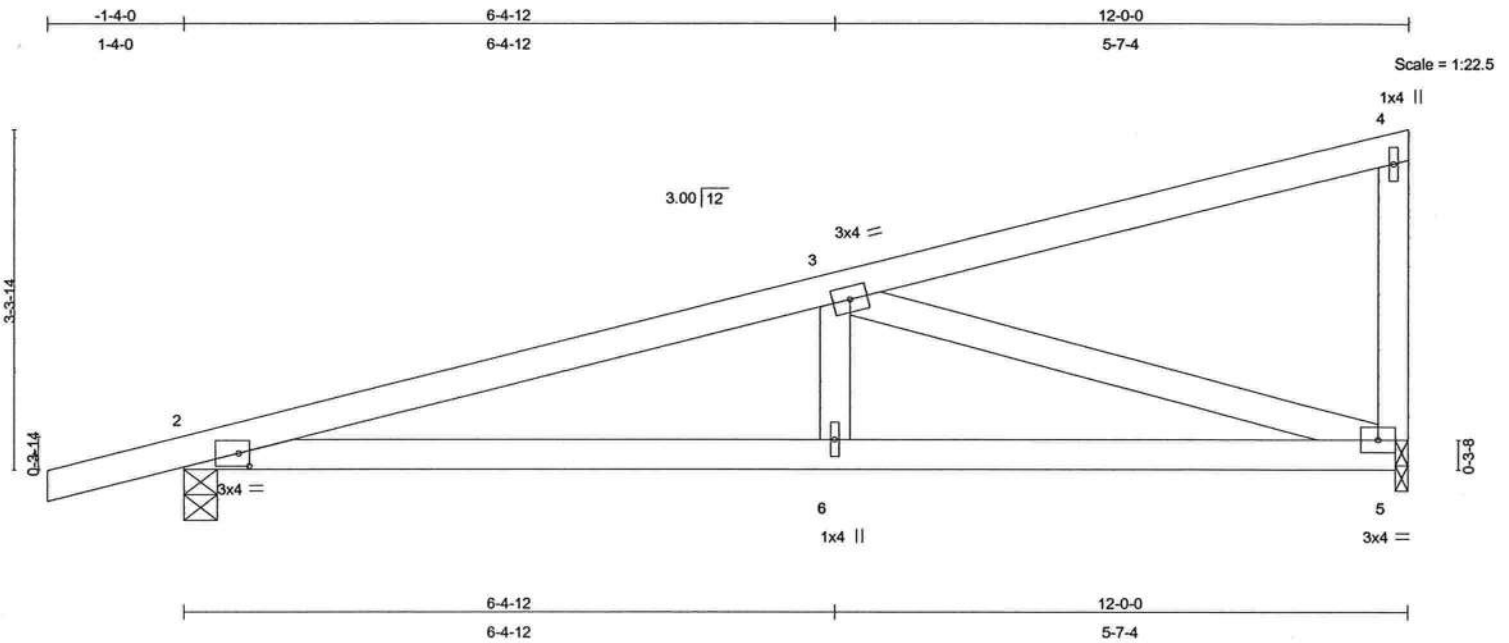

Plate Offsets (X,Y): [2:0-1-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	0.05	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.12	2-6	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 52 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-1-5 oc bracing.

REACTIONS (lb/size) 2=563/0-4-0, 5=462/0-1-8
Max Horz 2=191(LC 2)
Max Uplift2=-298(LC 2), 5=-224(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-1061/366, 3-4=-49/23
BOT CHORD 2-6=-469/986, 5-6=-469/986
WEBS 3-6=0/144, 3-5=-1029/490, 4-5=-126/104

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 298 lb uplift at joint 2 and 224 lb uplift at joint 5.

LOAD CASE(S) Standard

JUAN GARCIA LICENSE No 58521 STATE OF FLORIDA PROFESSIONAL ENGINEER

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December 12,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	
0662-2	M2	ROOF TRUSS	10	1	Job Reference (optional)	I13216703

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:40 2007 Page 1

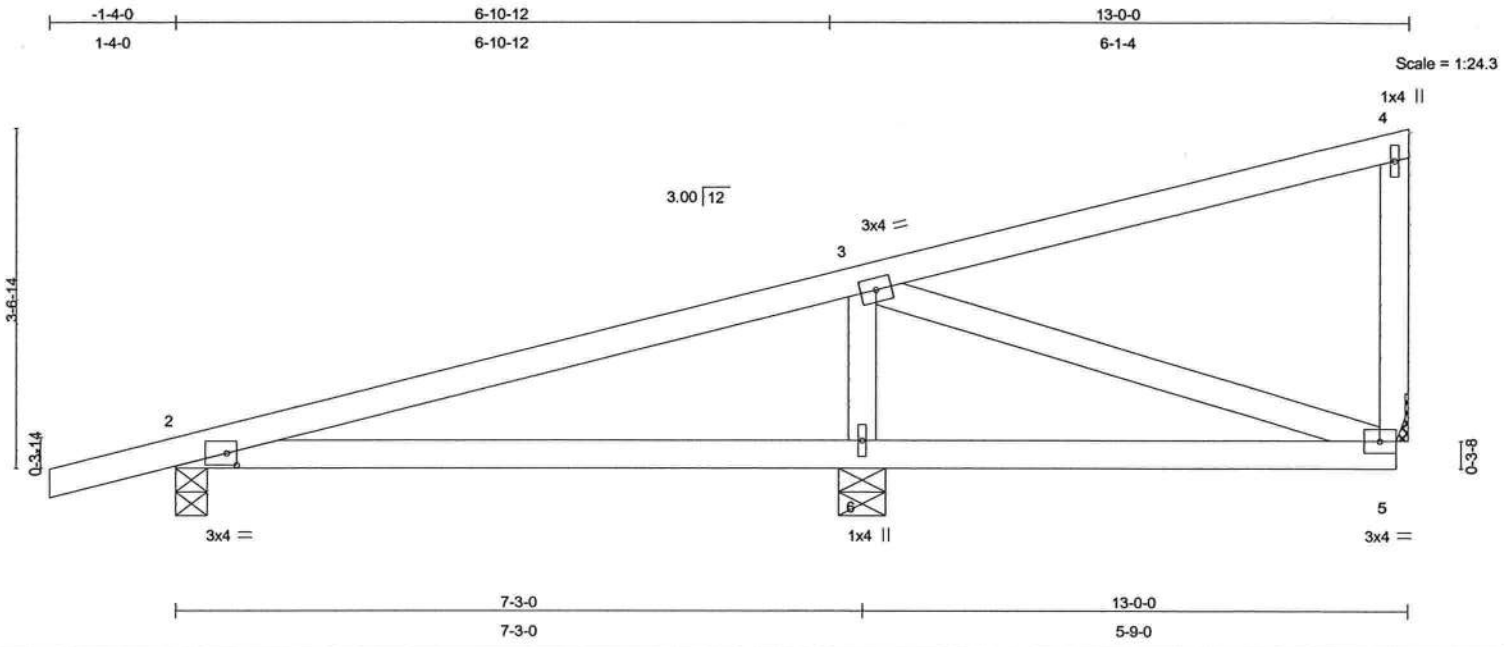


Plate Offsets (X,Y): [2:0-1-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	0.04	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.12	2-6	>684	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 56 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

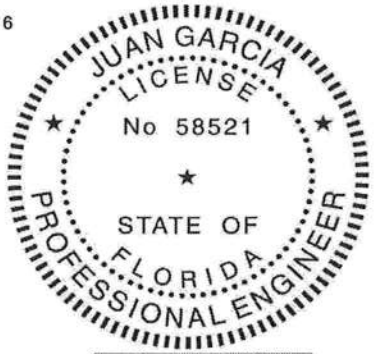
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=332/0-4-0, 6=613/0-6-0, 5=160/Mechanical
Max Horz 2=205(LC 2)
Max Uplift2=-194(LC 2), 6=-269(LC 2), 5=-94(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-92/37, 3-4=-53/21
BOT CHORD 2-6=-51/21, 5-6=-51/21
WEBS 3-6=-441/329, 3-5=-22/54, 4-5=-118/100

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 194 lb uplift at joint 2, 269 lb uplift at joint 6 and 94 lb uplift at joint 5.

LOAD CASE(S) Standard



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December 12,2007

POWER TO PERFORM.
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Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	
0662-2	M3	ROOF TRUSS	4	1	Job Reference (optional)	I13216704

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:40 2007 Page 1

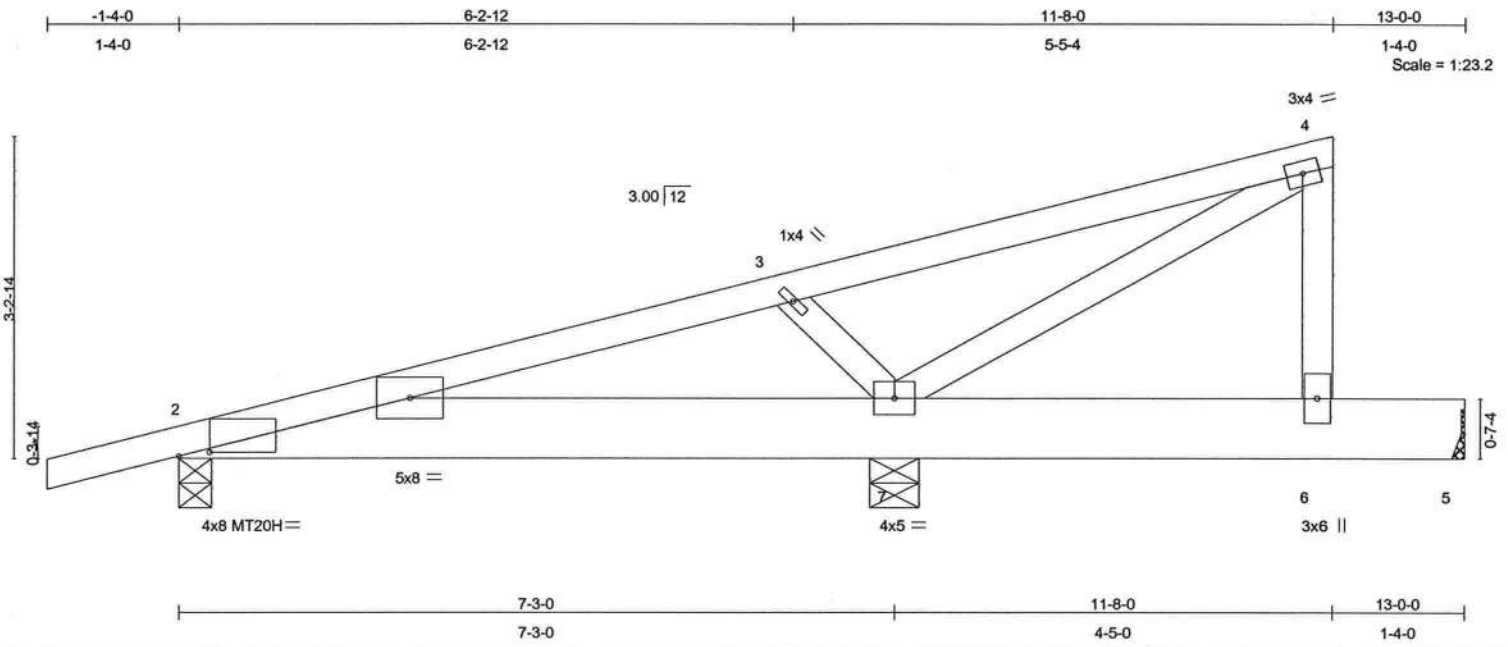


Plate Offsets (X,Y): [2:0-3-12,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.00	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	2-7	>999	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 73 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.2
WEBS 2 X 4 SYP No.3

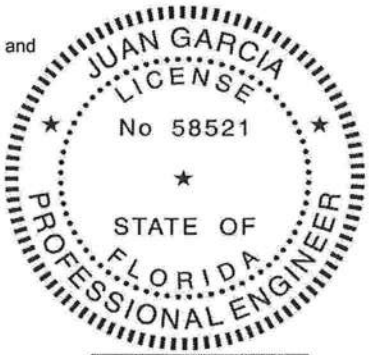
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=324/0-4-0, 5=79/Mechanical, 7=624/0-6-0
Max Horz 2=190(LC 2)
Max Uplift2=-199(LC 2), 5=-30(LC 2), 7=-266(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/27, 2-3=-154/31, 3-4=-116/181
BOT CHORD 2-7=-139/112, 6-7=0/0, 5-6=0/0
WEBS 3-7=-419/338, 4-7=-182/90, 4-6=-64/74

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 199 lb uplift at joint 2, 30 lb uplift at joint 5 and 266 lb uplift at joint 7.

LOAD CASE(S) Standard



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December 12,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	
0662-2	S1	ROOF TRUSS	24	1	Job Reference (optional)	I13216705

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:41 2007 Page 1

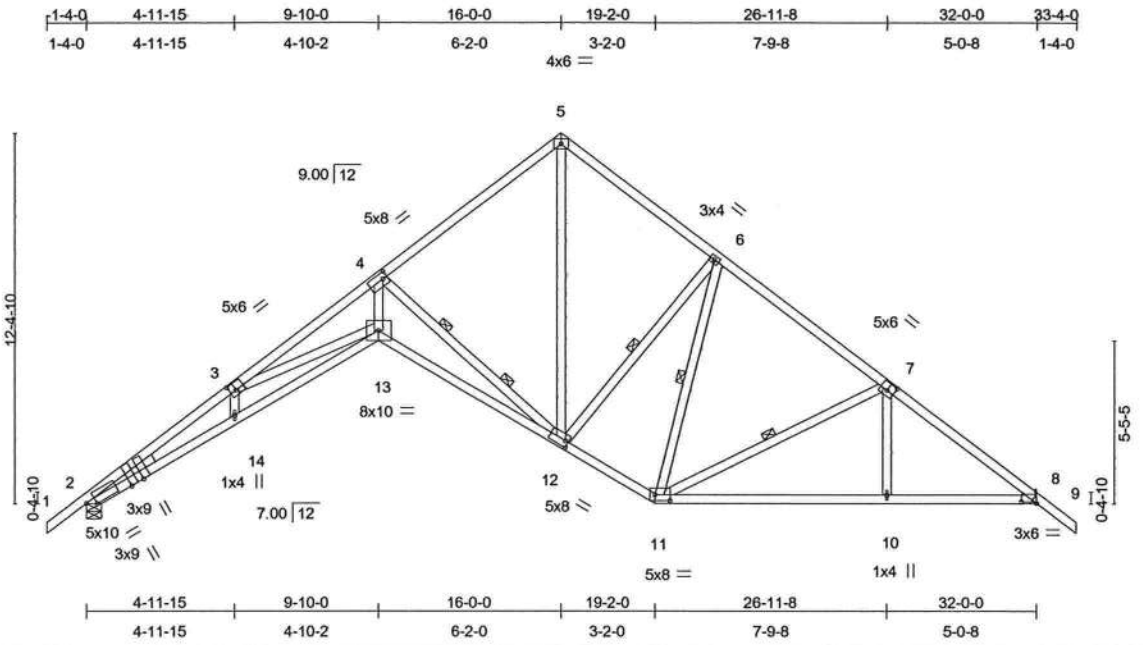

Plate Offsets (X,Y): [2:0-3-10,Edge], [2:0-3-4,Edge], [2:0-3-4,Edge], [3:0-2-8,0-3-0], [4:0-1-12,0-2-8], [7:0-3-0,0-3-0], [8:0-6-3,0-0-10], [11:0-6-0,0-2-4], [12:0-1-4,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.94	Vert(LL)	0.70	13-14	>546	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-1.42	13	>268	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.94	Horz(TL)	1.37	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 201 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
2-13 2 X 4 SYP No.1, 11-13 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
4-13 2 X 4 SYP No.2, 4-12 2 X 4 SYP No.2
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-12, 7-11, 6-11
2 Rows at 1/3 pts 4-12

REACTIONS (lb/size) 2=1361/0-6-0, 8=1352/Mechanical
Max Horz 2=-516(LC 2)
Max Uplift2=-570(LC 4), 8=-562(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-5584/2133, 3-4=-5401/1818, 4-5=-1354/602, 5-6=-1343/653, 6-7=-1431/595, 7-8=-1876/632, 8-9=0/47
BOT CHORD 2-14=-1973/4895, 13-14=-1978/4915, 12-13=-1532/4961, 11-12=-219/1157, 10-11=-369/1420, 8-10=-371/1416
WEBS 3-14=0/71, 3-13=-84/402, 4-13=-1564/5070, 4-12=-4402/1641, 5-12=-501/1127, 6-12=-218/400, 7-11=-397/304, 7-10=0/146, 6-11=-310/121

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Special provisions shall be made by the building designer to allow for 0.67in of horizontal movement due to live load and 1.37in due to total load.
4) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 570 lb uplift at joint 2 and 562 lb uplift at joint 8.

LOAD CASE(S) Standard

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December 12,2007

POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	
0662-2	T1	ROOF TRUSS	2	1	Job Reference (optional)	I13216706

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:41 2007 Page 1

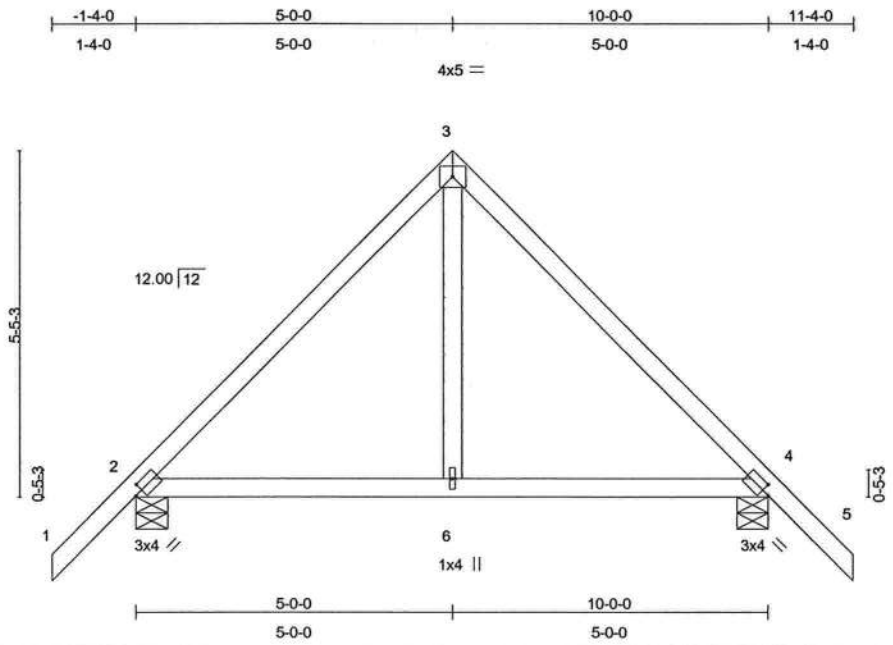

Plate Offsets (X,Y): [2:0-1-9,0-1-8], [4:0-1-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	0.02	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.03	2-6	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 49 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=475/0-6-0, 4=475/0-6-0
Max Horz 2=-222(LC 2)
Max Uplift2=-245(LC 4), 4=-245(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-388/149, 3-4=-388/149, 4-5=0/59
BOT CHORD 2-6=-27/199, 4-6=-27/199
WEBS 3-6=0/120

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 245 lb uplift at joint 2 and 245 lb uplift at joint 4.

LOAD CASE(S) Standard

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December 12,2007

POWER TO PERFORM.
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Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662-2	T3	ROOF TRUSS	2	2	I13216707
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Dec 12 11:29:42 2007 Page 1

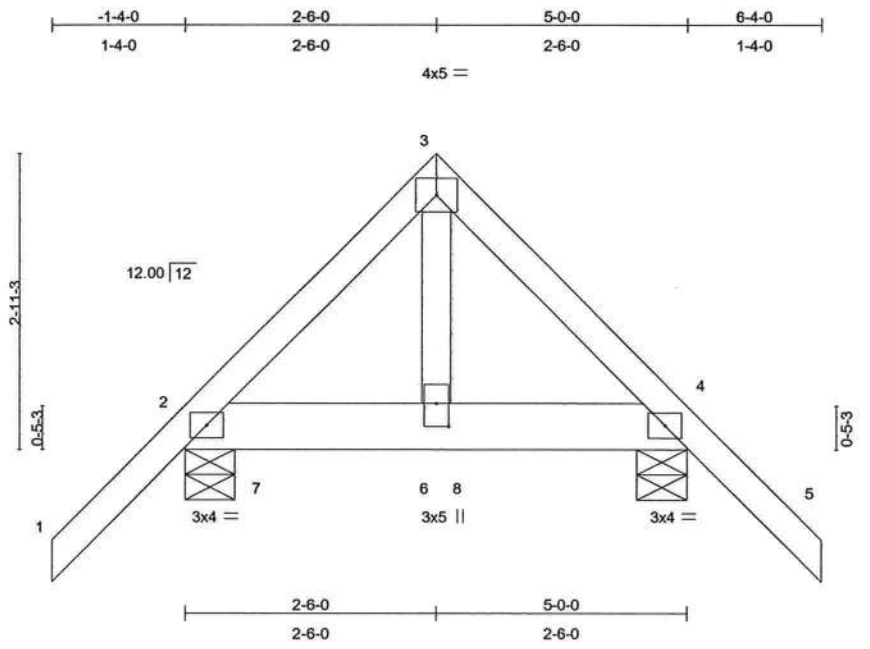


Plate Offsets (X,Y): [6:0-2-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	0.01	6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.01	6	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.27	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 63 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

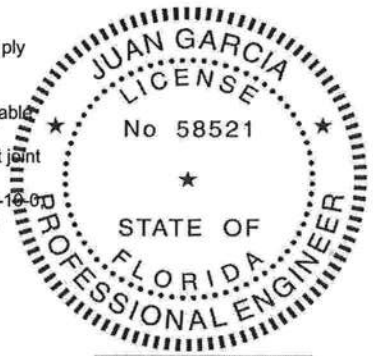
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=2002/0-6-0, 4=2564/0-6-0
Max Horz 2=-114(LC 2)
Max Uplift2=-960(LC 4), 4=-1192(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/61, 2-3=-1257/520, 3-4=-1257/518, 4-5=0/61
BOT CHORD 2-7=-312/791, 6-7=-312/791, 6-8=-312/791, 4-8=-312/791
WEBS 3-6=-709/1690

NOTES
1) 2-ply truss to be connected together with 10d (0.148"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 960 lb uplift at joint 2 and 1192 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1332 lb down and 594 lb up at 0-10-0, and 1332 lb down and 594 lb up at 2-10-0, and 1352 lb down and 584 lb up at 4-9-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 2-4=-20
Concentrated Loads (lb)
Vert: 4=-1352(B) 7=-1332(B) 8=-1332(B)



Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 12,2007

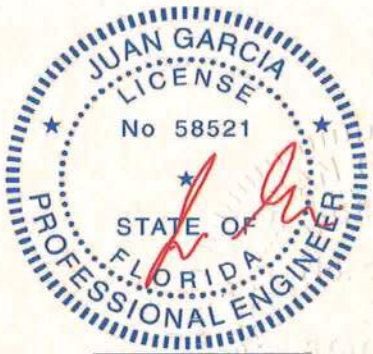
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO 63017-5746

Re: 0662-1
JAMES MACALUSO

The truss drawing(s) referenced below have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Reese Building Components, Inc.

Pages or sheets covered by this seal: I13219935 thru I13219941

My license renewal date for the state of Florida is February 28, 2009.



December 13,2007

Garcia, Juan

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1995 Sec. 2.

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	I13219935
0662-1	FL10	FLOOR	2	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga. 7.010 s Sep 11 2007 MiTek Industries, Inc. Thu Dec 13 11:36:56 2007 Page 1

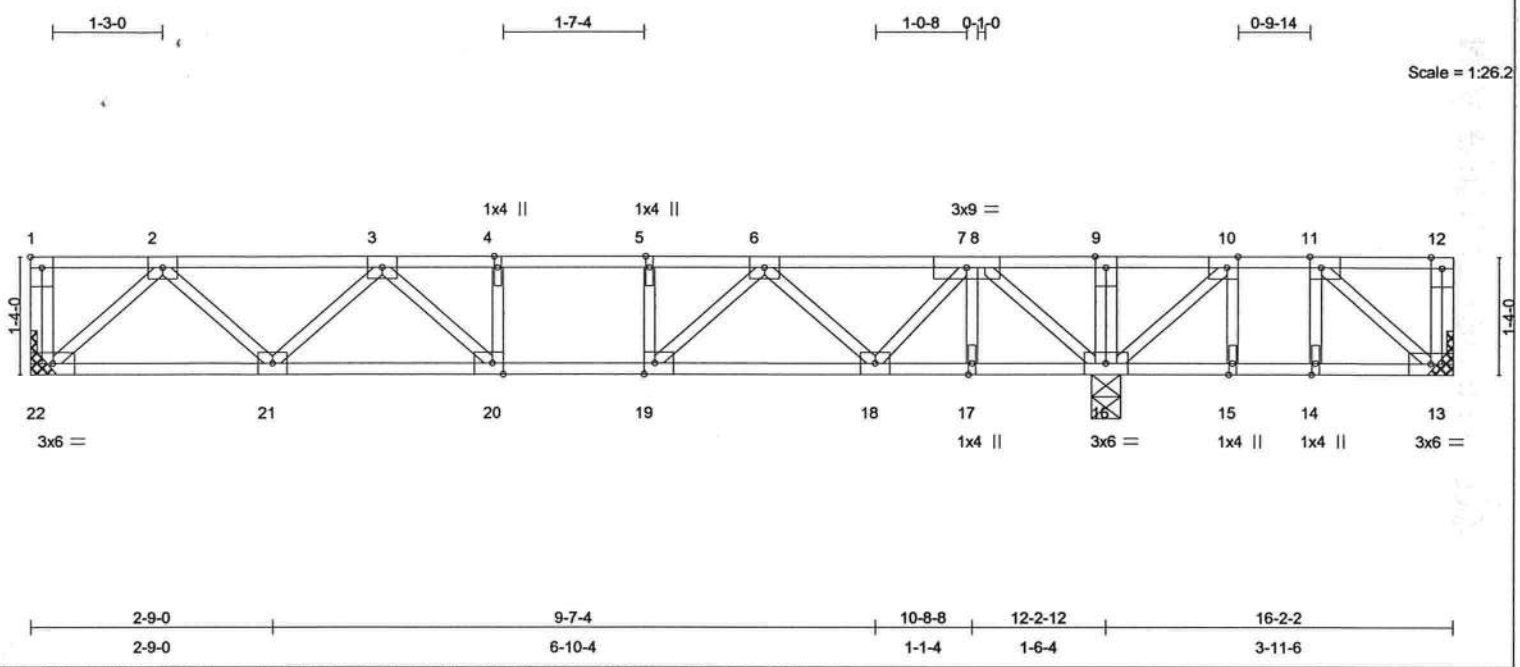


Plate Offsets (X,Y): [1:Edge,0-1-8], [10:0-1-8,Edge], [11:0-1-8,Edge], [19:0-1-8,Edge], [20:0-1-8,Edge]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.46	Vert(LL)	-0.04	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.28	Vert(TL)	-0.06	20-21	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.01	16	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 90 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 22=429/Mechanical, 13=13/Mechanical, 16=918/0-4-0
Max Uplift 13=-87(LC 2)
Max Grav 22=432(LC 7), 13=104(LC 3), 16=918(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-22=-26/0, 12-13=-63/0, 1-2=0/0, 2-3=-712/0, 3-4=-1035/0, 4-5=-1035/0, 5-6=-1035/0, 6-7=-631/0, 7-8=-367/0, 8-9=0/429, 9-10=0/429, 10-11=-56/166, 11-12=0/0
BOT CHORD 21-22=0/455, 20-21=0/946, 19-20=0/1035, 18-19=0/912, 17-18=0/367, 16-17=0/367, 15-16=-166/56, 14-15=-166/56, 13-14=-166/56
WEBS 9-16=-35/47, 2-22=-605/0, 8-16=-995/0, 2-21=0/358, 3-21=-326/0, 6-18=-401/0, 3-20=-8/225, 6-19=0/279, 4-20=-116/0, 5-19=-136/0, 11-13=-73/217, 10-16=-428/0, 10-15=0/94, 11-14=-81/0, 7-17=-14/9, 7-18=0/400

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 13.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 191 lb down at 10-8-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-22=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 7=-191(F)

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December 13,2007

POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662-1	FL11	FLOOR	16	1	I13219936
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 13 09:06:48 2007 Page 1

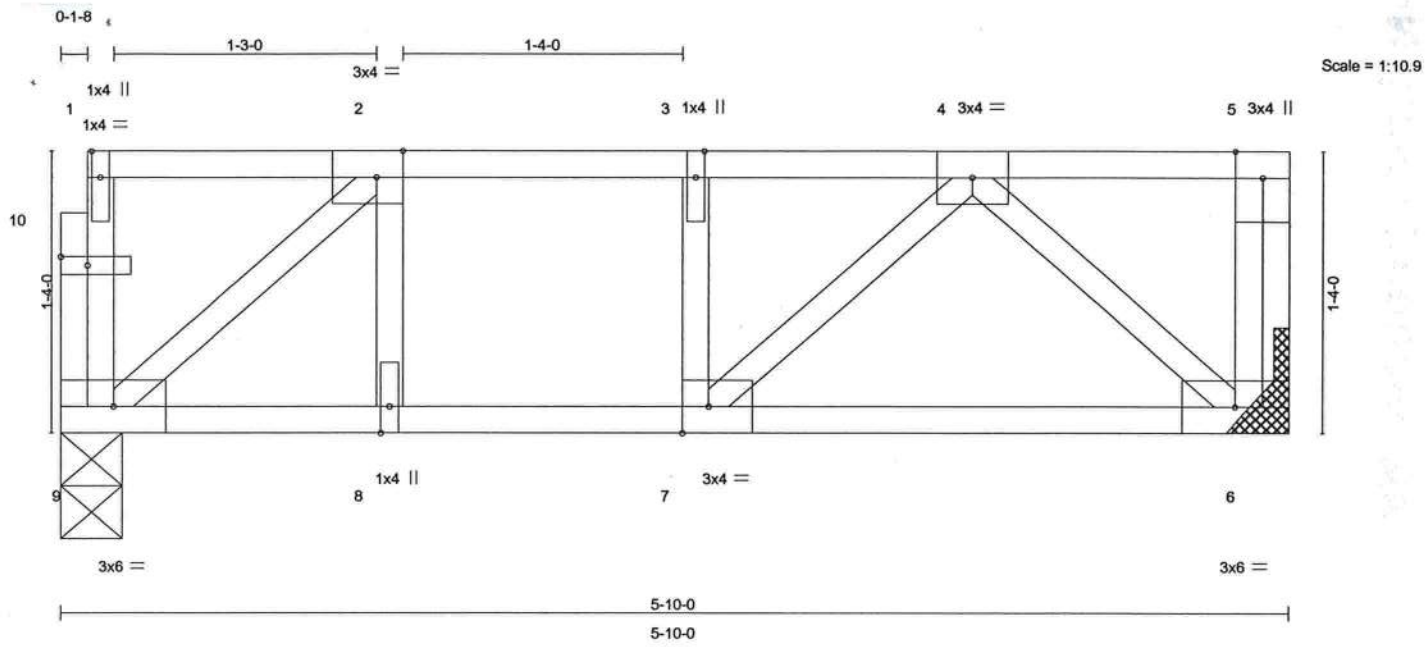


Plate Offsets (X,Y): [2:0-1-8,Edge], [7:0-1-8,Edge], [10:0-1-8,0-0-8]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.15	Vert(LL)	-0.01	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.15	Vert(TL)	-0.02	6-7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 34 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 9=201/0-3-8, 6=205/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 9-10=-33/14, 1-10=-33/14, 5-6=-34/0, 1-2=-2/1, 2-3=-220/0, 3-4=-220/0, 4-5=0/0
BOT CHORD 8-9=0/220, 7-8=0/220, 6-7=0/181
WEBS 4-6=-241/0, 2-9=-286/0, 4-7=0/89, 2-8=0/48, 3-7=-47/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

JUAN GARCIA LICENSE No 58521 STATE OF FLORIDA PROFESSIONAL ENGINEER

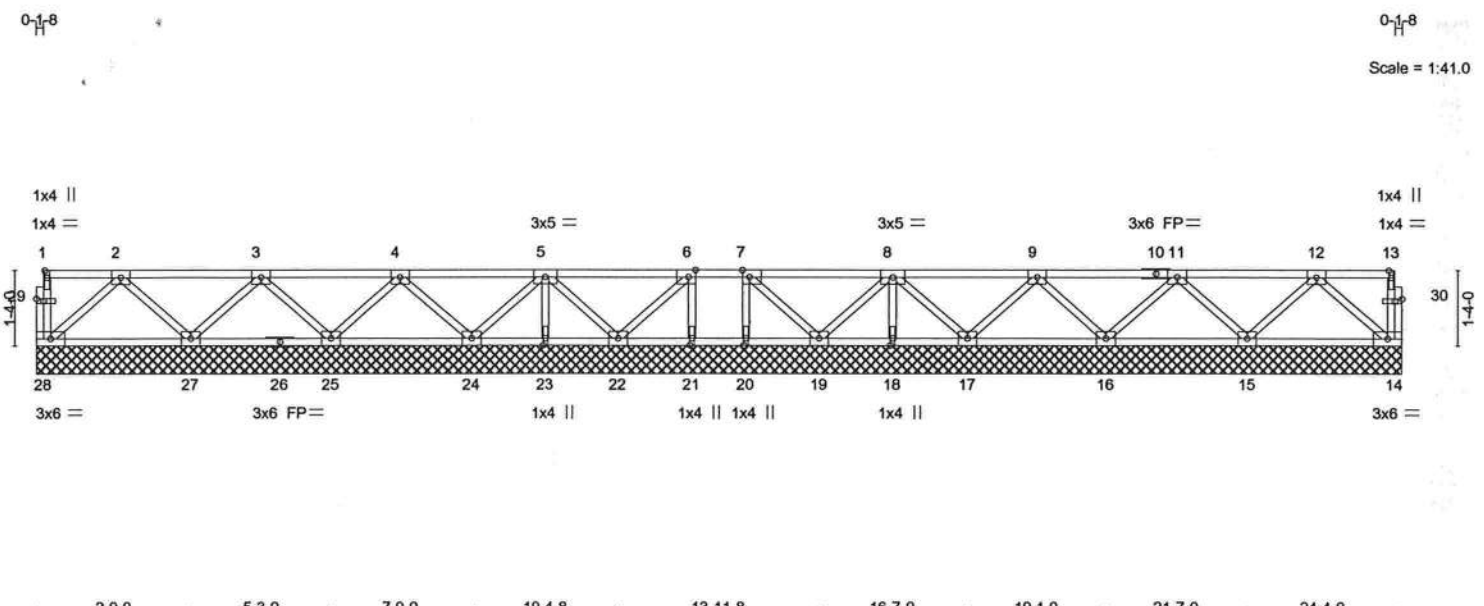
Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 13,2007

POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662-1	FL12	FLOOR	2	1	I13219937
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 13 09:06:49 2007 Page 1



2-9-0	5-3-0	7-9-0	10-4-8	13-11-8	16-7-0	19-1-0	21-7-0	24-4-0
2-9-0	2-6-0	2-6-0	2-7-8	3-7-0	2-7-8	2-6-0	2-6-0	2-9-0

Plate Offsets (X,Y): [6:0-1-8,Edge], [7:0-1-8,Edge], [29:0-1-8,0-0-8], [30:0-1-8,0-0-8]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 129 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 28=81/24-4-0, 14=81/24-4-0, 15=196/24-4-0, 27=196/24-4-0, 16=191/24-4-0, 25=191/24-4-0, 17=129/24-4-0, 24=129/24-4-0, 18=123/24-4-0, 23=123/24-4-0, 19=61/24-4-0, 22=61/24-4-0, 21=97/24-4-0, 20=97/24-4-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 28-29=-23/0, 1-29=-23/0, 14-30=-23/0, 13-30=-23/0, 1-2=-1/0, 2-3=0/36, 3-4=0/40, 4-5=0/30, 5-6=0/19, 6-7=-7/0, 7-8=0/19, 8-9=0/30, 9-10=0/40, 10-11=0/40, 11-12=0/36, 12-13=-1/0
BOT CHORD 27-28=0/59, 26-27=0/51, 25-26=0/51, 24-25=0/50, 23-24=0/11, 22-23=0/11, 21-22=0/7, 20-21=0/7, 19-20=0/7, 18-19=0/11, 17-18=0/11, 16-17=0/50, 15-16=0/51, 14-15=0/59
WEBS 12-14=-77/0, 2-28=-77/0, 12-15=-133/0, 2-27=-133/0, 11-15=-121/0, 3-27=-121/0, 11-16=-126/0, 3-25=-126/0, 9-16=-125/0, 4-25=-125/0, 9-17=-111/0, 4-24=-111/0, 8-17=-56/0, 8-18=-117/0, 5-24=-56/0, 5-23=-117/0, 8-19=-41/0, 5-22=-41/0, 7-19=-35/0, 6-22=-35/0, 6-21=-89/0, 7-20=-89/0

NOTES
1) All plates are 3x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 13,2007

POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662-1	FL6	FLOOR	14	1	I13219938
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 13 09:06:49 2007 Page 1

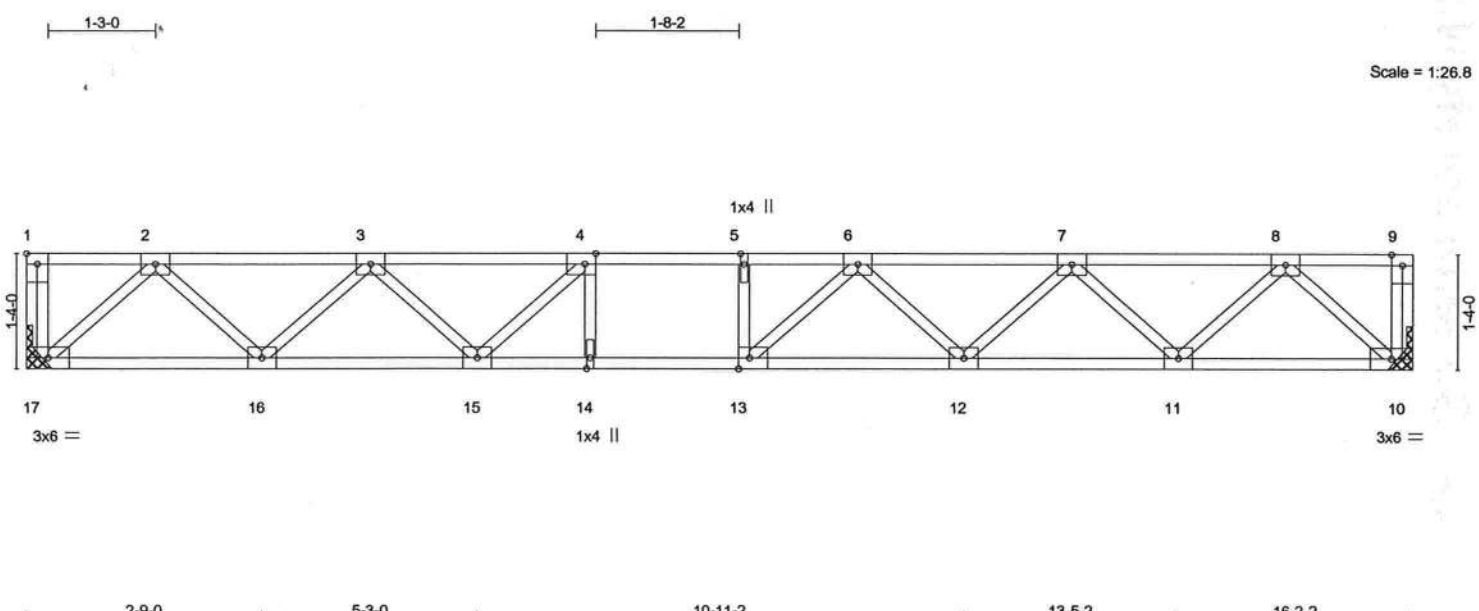

Plate Offsets (X,Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [13:0-1-8,Edge]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.29	Vert(LL)	-0.11	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.57	Vert(TL)	-0.17	12-13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.03	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 17=584/Mechanical, 10=584/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-17=-29/0, 9-10=-28/0, 1-2=0/0, 2-3=-1043/0, 3-4=-1660/0, 4-5=-1898/0, 5-6=-1898/0, 6-7=-1664/0, 7-8=-1042/0, 8-9=0/0
BOT CHORD 16-17=0/625, 15-16=0/1439, 14-15=0/1898, 13-14=0/1898, 12-13=0/1858, 11-12=0/1443, 10-11=0/623
WEBS 8-10=-830/0, 2-17=-832/0, 8-11=0/582, 2-16=0/581, 7-11=-558/0, 3-16=-551/0, 7-12=0/306, 3-15=0/337, 6-12=-271/0, 4-15=-411/0, 6-13=-119/265, 4-14=-54/118, 5-13=-119/16

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 13,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	I13219939
0662-1	FL7	FLOOR	3	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 13 09:06:50 2007 Page 1

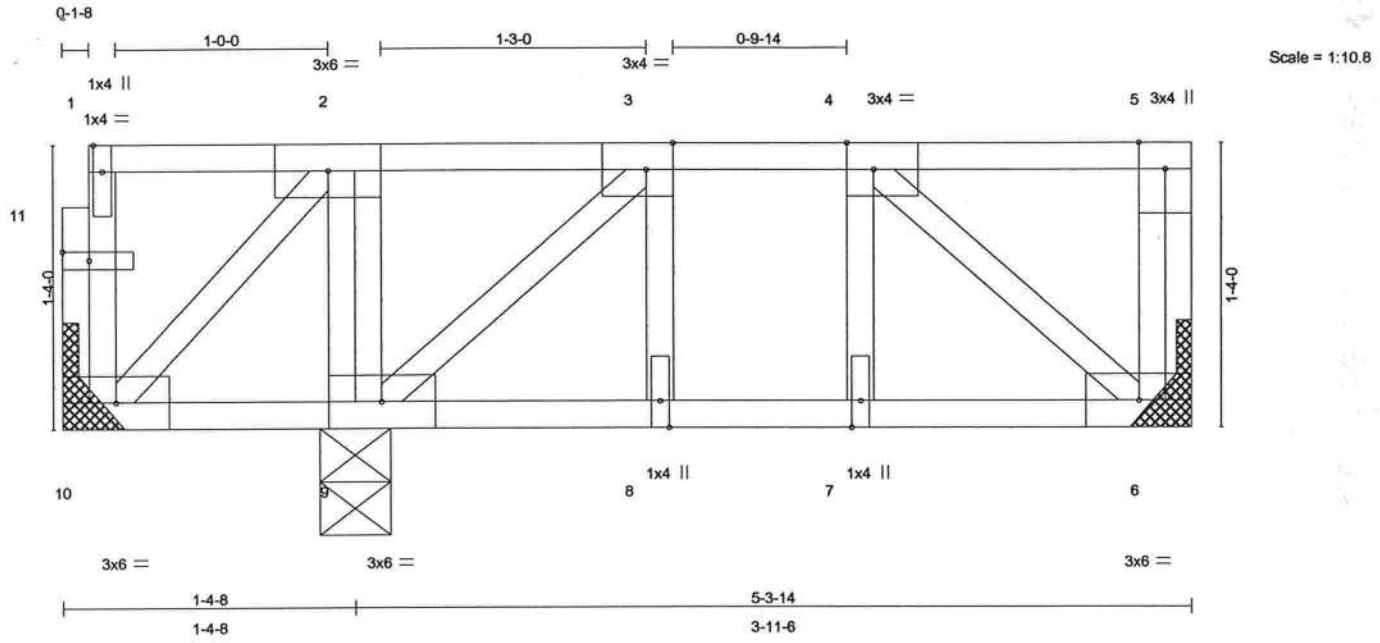

Plate Offsets (X,Y): [3:0-1-8,Edge], [4:0-1-8,Edge], [11:0-1-8,0-0-8]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.06	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.04	Vert(TL)	-0.00	7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 35 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-10.

REACTIONS (lb/size) 10=37/Mechanical, 6=139/Mechanical, 9=192/0-4-0
Max Grav 10=77(LC 5), 6=139(LC 1), 9=227(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 10-11=-34/0, 1-11=-34/0, 5-6=-42/0, 1-2=-2/0, 2-3=-42/30, 3-4=-109/0, 4-5=0/0
BOT CHORD 9-10=-30/42, 8-9=0/109, 7-8=0/109, 6-7=0/109
WEBS 2-9=-134/0, 2-10=-55/44, 4-6=-143/0, 3-9=-140/0, 3-8=0/19, 4-7=-2/13

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
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Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 13,2007

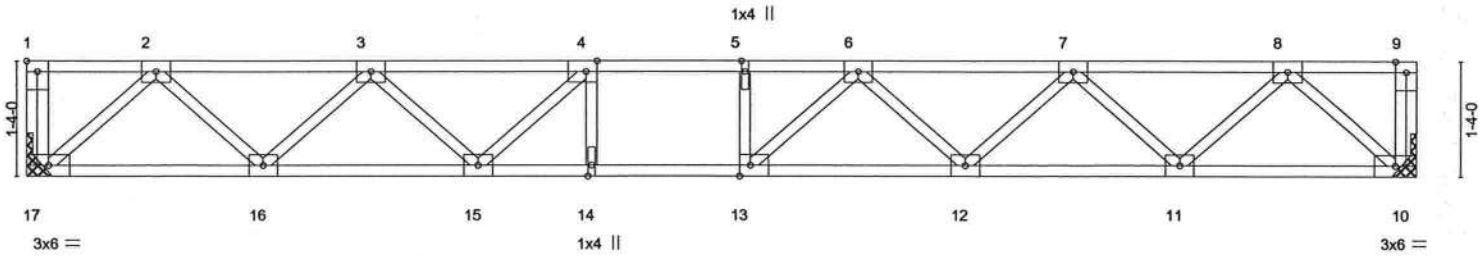
POWER TO PERFORM.®
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	
0662-1	FL8	FLOOR	21	1	Job Reference (optional)	I13219940

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 13 09:06:50 2007 Page 1

1-3-0 1-8-2

Scale = 1:26.8



2-9-0 5-3-0 10-11-2 13-5-2 16-2-2

2-9-0 2-6-0 5-8-2 2-6-0 2-9-0

Plate Offsets (X,Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [13:0-1-8,Edge]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.29	Vert(LL)	-0.11	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.57	Vert(TL)	-0.17	12-13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.03	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 17=584/Mechanical, 10=584/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-17=-29/0, 9-10=-28/0, 1-2=0/0, 2-3=-1043/0, 3-4=-1660/0, 4-5=-1898/0, 5-6=-1898/0, 6-7=-1664/0, 7-8=-1042/0, 8-9=0/0
BOT CHORD 16-17=0/625, 15-16=0/1439, 14-15=0/1898, 13-14=0/1898, 12-13=0/1858, 11-12=0/1443, 10-11=0/623
WEBS 8-10=-830/0, 2-17=-832/0, 8-11=0/582, 2-16=0/581, 7-11=-558/0, 3-16=-551/0, 7-12=0/306, 3-15=0/337, 6-12=-271/0, 4-15=-411/0, 6-13=-119/265, 4-14=-54/118, 5-13=-119/16

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 13,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO	
0362-1	FL9	FLOOR 3x4 =	1	1	Job Reference (optional)	I13219941

Reese Building Components, INC., Sylvester Ga. 7.010 s Sep 11 2007 MiTek Industries, Inc. Thu Dec 13 11:39:15 2007 Page 1

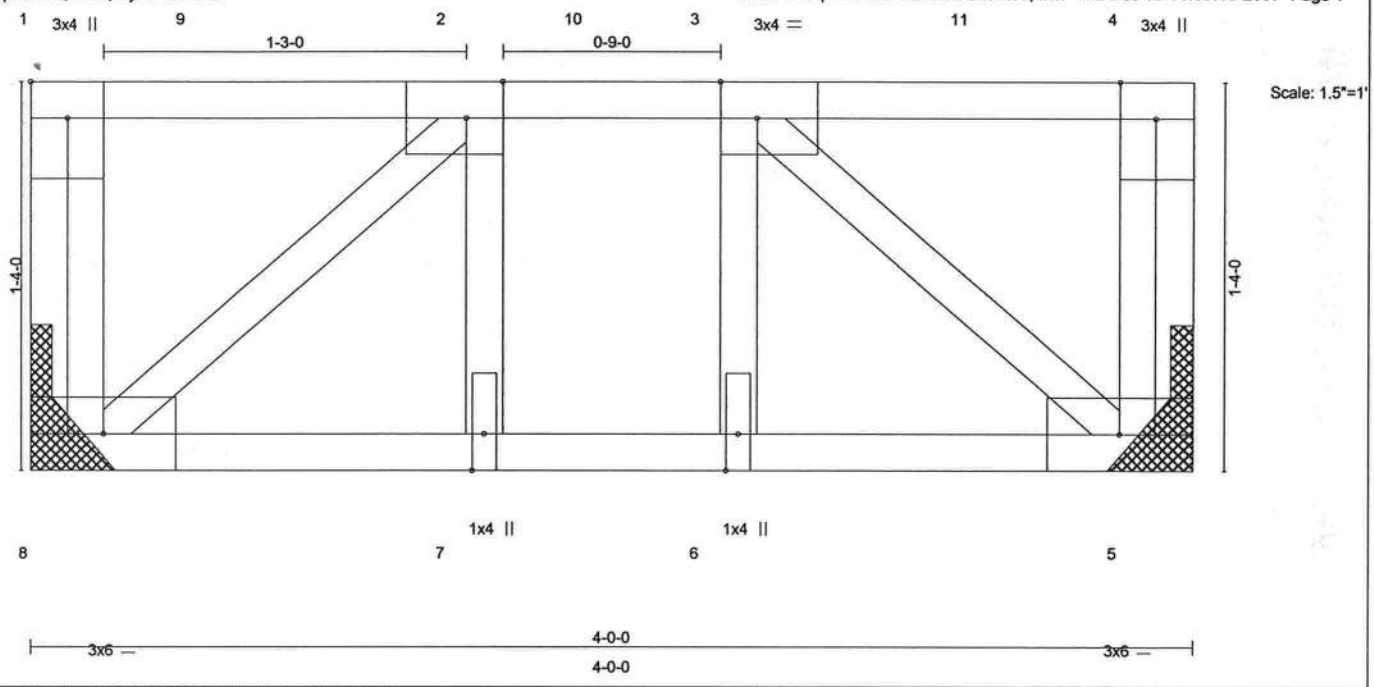


Plate Offsets (X,Y): [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.14	Vert(LL)	-0.00	6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.07	Vert(TL)	-0.00	6	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 8=195/Mechanical, 5=195/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-8=-64/0, 4-5=-64/0, 1-9=0/0, 2-9=0/0, 2-10=-155/0, 3-10=-155/0, 3-11=0/0, 4-11=0/0
BOT CHORD 7-8=0/155, 6-7=0/155, 5-6=0/155
WEBS 3-5=-202/0, 2-8=-202/0, 2-7=-16/31, 3-6=-16/31

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 39 lb down at 0-8-0, and 39 lb down at 2-0-0, and 39 lb down at 3-4-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-7, 1-4=-67
Concentrated Loads (lb)
Vert: 9=-39(F) 10=-39(F) 11=-39(F)

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 13,2007

MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO 63017-5746

Re: 0662
JAMES MACALUSO

The truss drawing(s) referenced below have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Reese Building Components, Inc.

Pages or sheets covered by this seal: I13219927 thru I13219931

My license renewal date for the state of Florida is February 28, 2009.

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 13,2007

Garcia, Juan

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1995 Sec. 2.

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662	FL1	FLOOR	38	1	I13219927
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 13 09:05:48 2007 Page 1

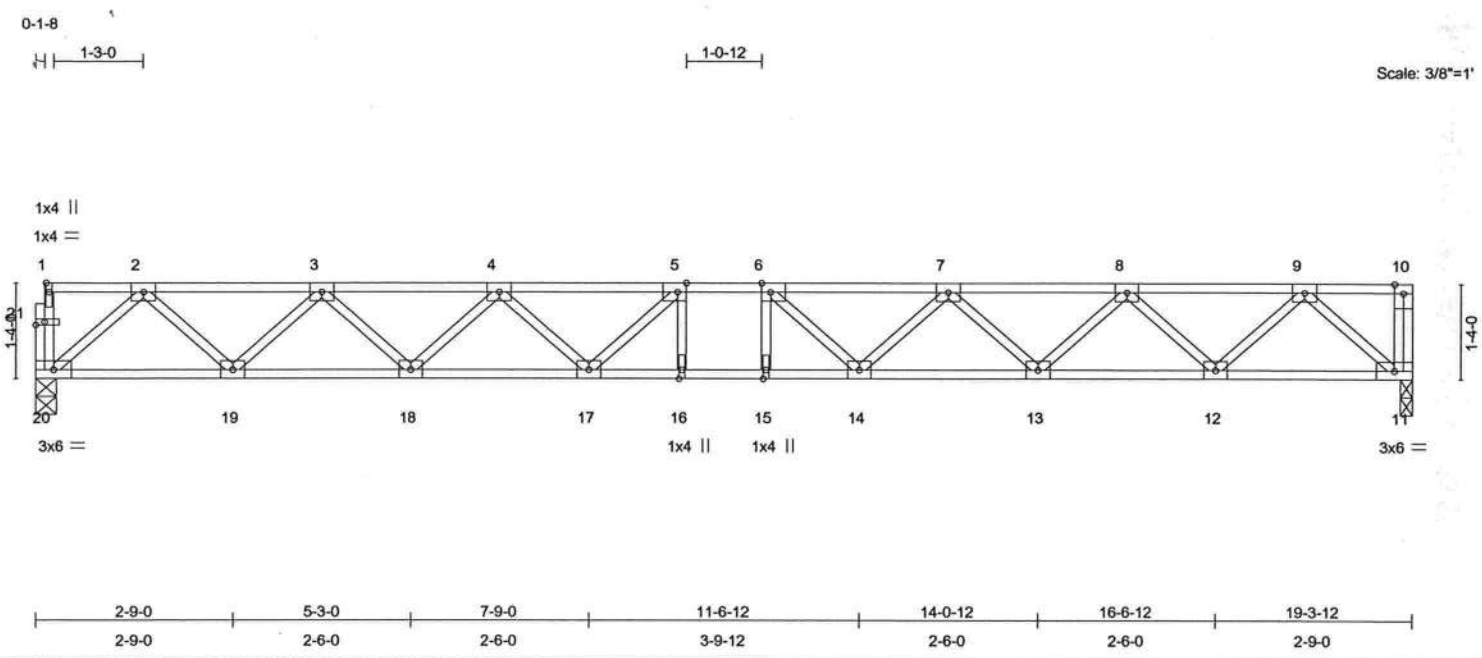


Plate Offsets (X,Y): [5:0-1-8,Edge], [6:0-1-8,Edge], [21:0-1-8,0-0-8]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.27	Vert(LL)	-0.19	16	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.65	Vert(TL)	-0.30	15-16	>763	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.30	Horz(TL)	0.06	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 101 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 20=695/0-3-8, 11=699/0-2-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 20-21=-25/0, 1-21=-25/0, 10-11=-27/0, 1-2=-1/0, 2-3=-1291/0, 3-4=-2149/0, 4-5=-2620/0, 5-6=-2756/0, 6-7=-2620/0, 7-8=-2149/0, 8-9=-1291/0, 9-10=0/0
BOT CHORD 19-20=0/754, 18-19=0/1807, 17-18=0/2475, 16-17=0/2756, 15-16=0/2756, 14-15=0/2756, 13-14=0/2475, 12-13=0/1807, 11-12=0/755
WEBS 9-11=-1005/0, 2-20=-1003/0, 9-12=0/745, 2-19=0/746, 8-12=-718/0, 3-19=-719/0, 8-13=0/476, 3-18=0/476, 7-13=-453/0, 4-18=-453/0, 7-14=0/285, 4-17=0/285, 6-14=-340/62, 5-17=-340/62, 5-16=-116/128, 6-15=-116/128

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
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December 13,2007

POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662	FL2	FLOOR	17	1	I13219928
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 13 09:05:49 2007 Page 1

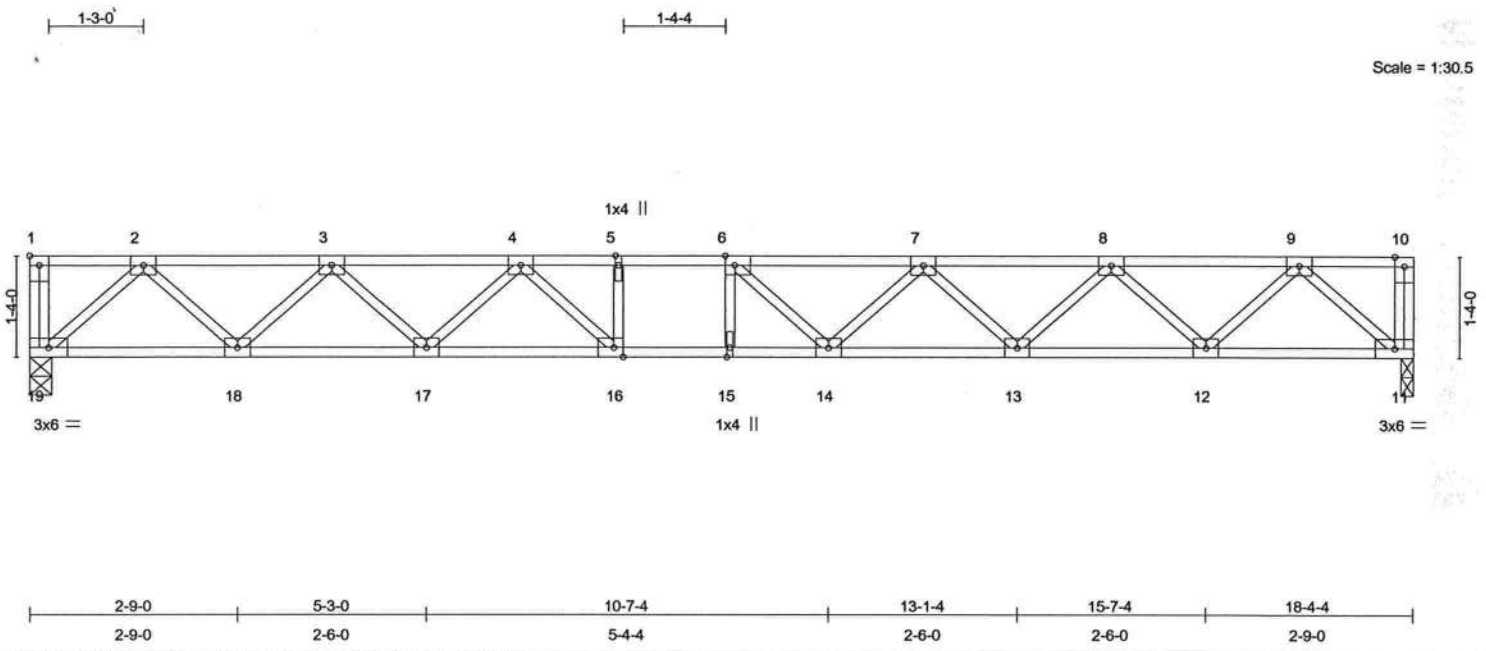

Plate Offsets (X,Y): [1:Edge,0-1-8], [6:0-1-8,Edge], [16:0-1-8,Edge]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.32	Vert(LL)	-0.17	15	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.71	Vert(TL)	-0.26	14-15	>826	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(TL)	0.05	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 96 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 19=664/0-3-8, 11=664/0-2-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-19=-28/0, 10-11=-27/0, 1-2=0/0, 2-3=-1217/0, 3-4=-1992/0, 4-5=-2463/0, 5-6=-2463/0, 6-7=-2398/0, 7-8=-2001/0, 8-9=-1215/0, 9-10=0/0
BOT CHORD 18-19=0/714, 17-18=0/1697, 16-17=0/2282, 15-16=0/2463, 14-15=0/2463, 13-14=0/2295, 12-13=0/1694, 11-12=0/715
WEBS 9-11=-952/0, 2-19=-951/0, 9-12=0/694, 2-18=0/699, 8-12=-666/0, 3-18=-668/0, 8-13=0/428, 3-17=0/409, 7-13=-409/0, 4-17=-404/0, 7-14=0/244, 4-16=-25/414, 6-14=-272/109, 5-16=-167/0, 6-15=-126/68

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
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December 13,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662	FL3	FLOOR	21	1	I13219929
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 13 09:05:50 2007 Page 1

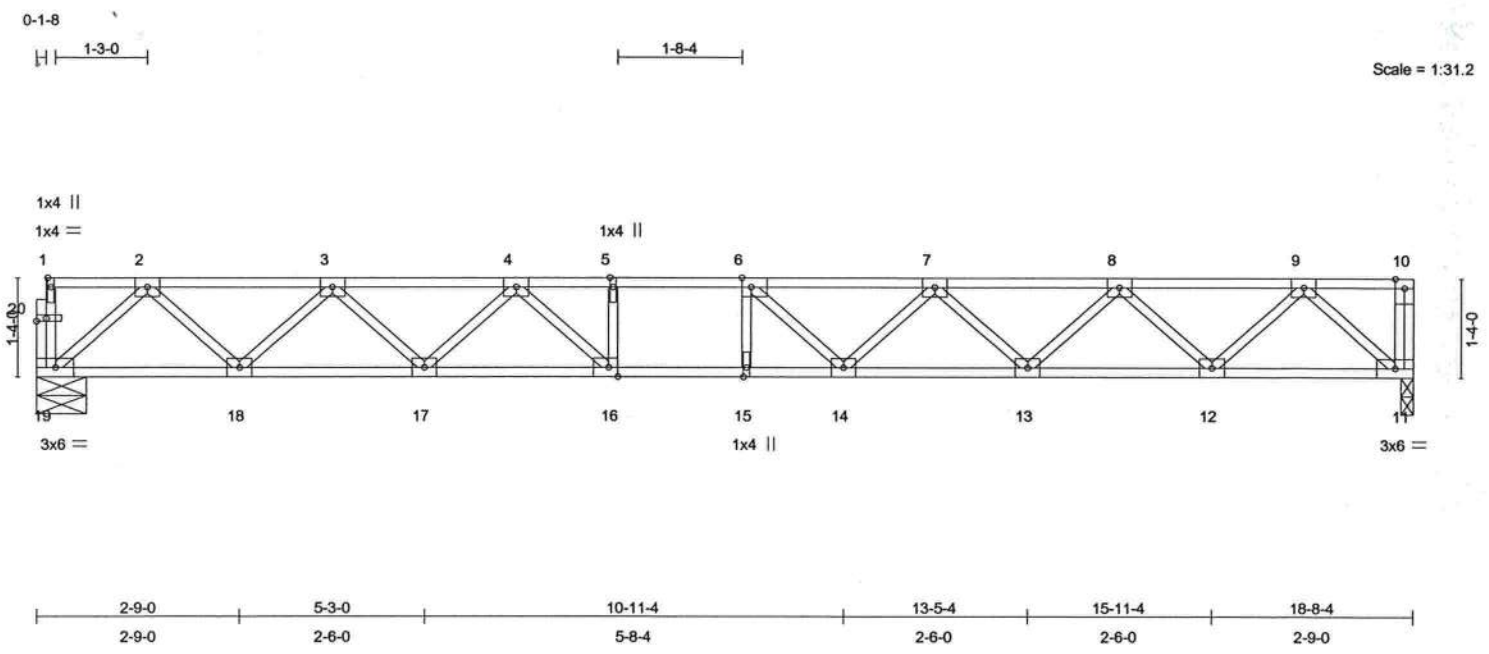

Plate Offsets (X,Y): [6:0-1-8,Edge], [16:0-1-8,Edge], [20:0-1-8,0-0-8]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.40	Vert(LL)	-0.19	15	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.77	Vert(TL)	-0.29	14-15	>768	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.05	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 97 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 19=672/0-8-0, 11=676/0-2-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 19-20=-26/0, 1-20=-26/0, 10-11=-27/0, 1-2=-1/0, 2-3=-1244/0, 3-4=-2042/0, 4-5=-2550/0, 5-6=-2550/0, 6-7=-2475/0, 7-8=-2053/0, 8-9=-1241/0, 9-10=0/0
BOT CHORD 18-19=0/728, 17-18=0/1736, 16-17=0/2346, 15-16=0/2550, 14-15=0/2550, 13-14=0/2360, 12-13=0/1733, 11-12=0/729
WEBS 9-11=-971/0, 2-19=-967/0, 9-12=0/712, 2-18=0/718, 8-12=-684/0, 3-18=-685/0, 8-13=0/445, 3-17=0/425, 7-13=-427/0, 4-17=-422/0, 7-14=0/264, 4-16=-9/457, 6-14=-302/107, 5-16=-194/0, 6-15=-129/74

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
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December 13,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662	FL4	FLOOR	10	1	I13219930
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 13 09:05:50 2007 Page 1

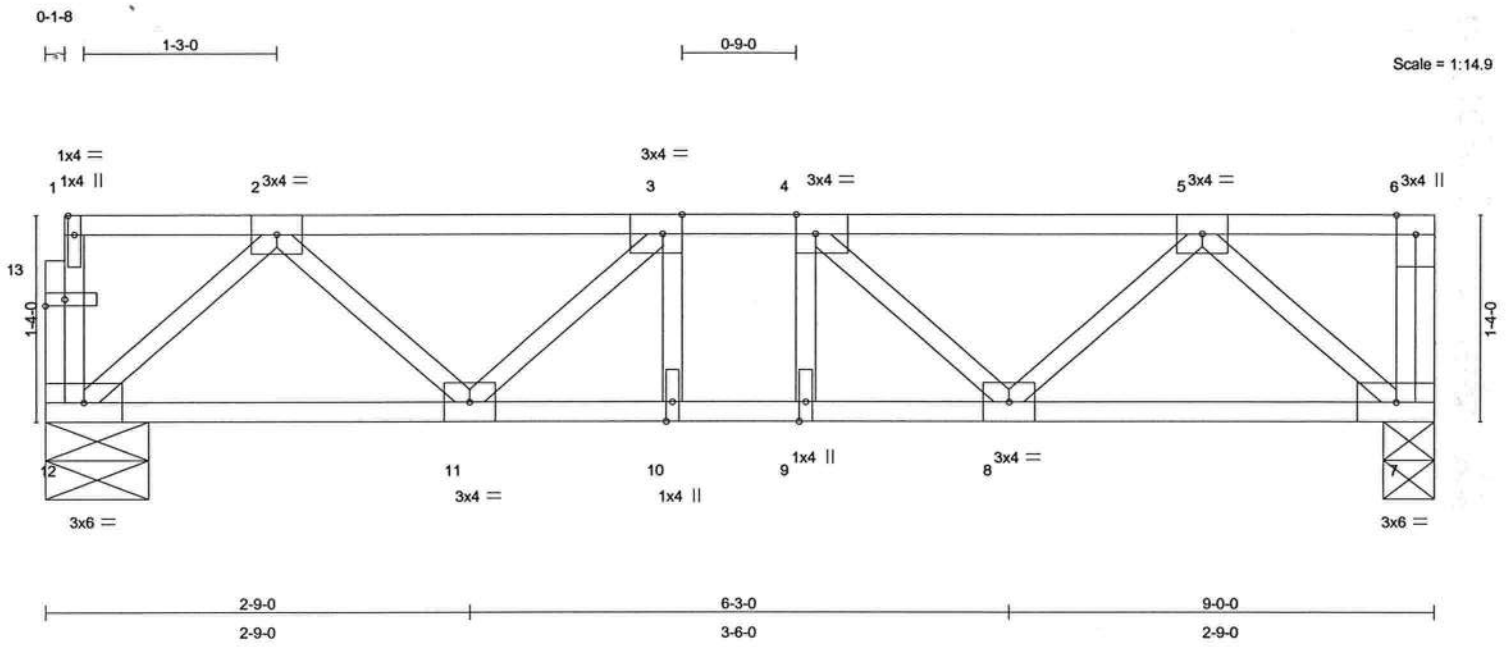

Plate Offsets (X,Y): [3:0-1-8,Edge], [4:0-1-8,Edge], [13:0-1-8,0-0-8]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.17	Vert(LL)	-0.01	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.20	Vert(TL)	-0.02	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 51 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 12=317/0-8-0, 7=321/0-4-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 12-13=-20/0, 1-13=-20/0, 6-7=-23/0, 1-2=-1/0, 2-3=-468/0, 3-4=-594/0, 4-5=-468/0, 5-6=0/0
BOT CHORD 11-12=0/330, 10-11=0/594, 9-10=0/594, 8-9=0/594, 7-8=0/330
WEBS 5-7=-439/0, 2-12=-437/0, 5-8=0/193, 2-11=0/193, 4-8=-178/0, 3-11=-178/0, 3-10=-62/69, 4-9=-62/69

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO. 63017
FL Cert.#6634

December 13,2007

Job	Truss	Truss Type	Qty	Ply	JAMES MACALUSO
0662	FL5	FLOOR	9	1	I13219931
					Job Reference (optional)

Reese Building Components, INC., Sylvester Ga. 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 13 09:05:50 2007 Page 1

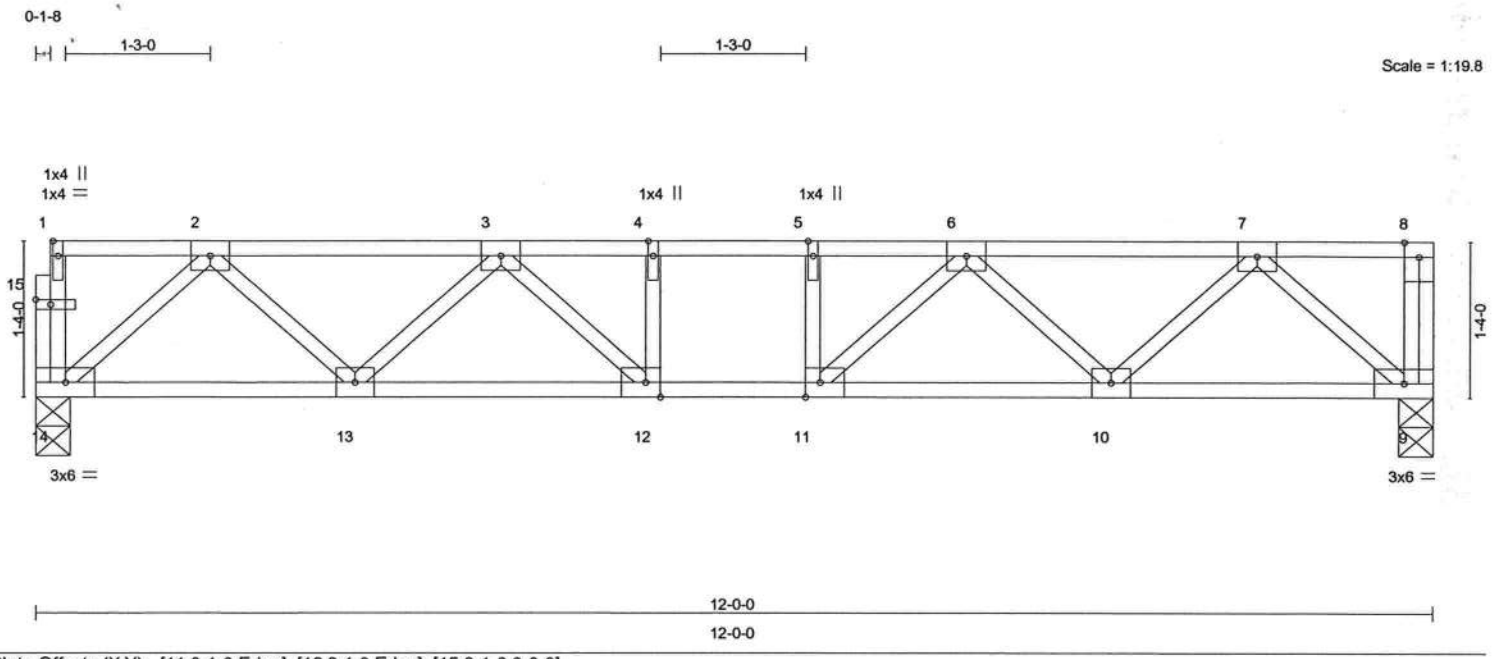

Plate Offsets (X,Y): [11:0-1-8,Edge], [12:0-1-8,Edge], [15:0-1-8,0-0-8]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.16	Vert(LL)	-0.03	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.24	Vert(TL)	-0.05	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 65 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 14=427/0-3-8, 9=431/0-3-8

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 14-15=-23/0, 1-15=-23/0, 8-9=-26/0, 1-2=-1/0, 2-3=-709/0, 3-4=-1036/0, 4-5=-1036/0, 5-6=-1036/0, 6-7=-709/0, 7-8=0/0
BOT CHORD 13-14=0/453, 12-13=0/944, 11-12=0/1036, 10-11=0/944, 9-10=0/453
WEBS 7-9=-603/0, 2-14=-601/0, 7-10=0/356, 2-13=0/356, 6-10=-327/0, 3-13=-327/0, 6-11=-10/235, 3-12=-11/235, 4-12=-115/0, 5-11=-115/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Juan Garcia, FL Lic #58521
MiTek Industries, Inc.
14515 North Outer Forty Drive
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Chesterfield, MO. 63017
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December 13,2007

POWER TO PERFORM.™
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: **0801-02**

Applicant: O'Neil Construction
Owner: James Macaluso
Contractor: O'Neil Construction
Property Identification # 18-7s-16-04236-014

On the date of January 7, 2008 building permit application number 0801-02 and the submitted plans for construction of a single family dwelling were reviewed. The following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0801-02 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Codes 2004 only and doesn't make any consideration toward the land use and zoning requirement

1.Sheet A-2 (foundation plans) general notes, note # 3 requires that the soil have a bearing capacity of 2,500 pounds per square foot. The Florida Residential Building chapter four, section R401.4.1 Geotechnical evaluation list the presumptive load-bearing values of foundation materials. The soils which are prevalent in the area of construction are Sand, silty sand, clayey sand, silty gravel and clayey gravel which may have a load bearing pressure equal to 2,000 pound per square foot. To insure that the foundation has sufficient supporting soils please have a registered professional geotechnical testing agency conduct subsurface explorations at the project site upon which foundations are to be constructed, a sufficient number (not less than four, one boring on each corner of the building foundation) borings shal be made to a depth of not less than 10 feet below the level of the foundations to provide assurance of the soundness of the foundation bed and its load-bearing capacity. Have the professional geotechnical testing agency submit a report to this department showing the following information.

A. A plot showing the location of test borings and/or excavations.

B. A complete record of the soil samples.

C. A record of the soil profile.

D. Elevation of the water table, if encountered.

E. Recommendations for foundation type and design criteria, including but not limited to: bearing capacity of natural or compacted soil; provisions to mitigate the effects of

expansive soils; mitigation of the effects of liquefaction, differential settlement and varying soil strength; and the effects of adjacent loads.

F. Expected total and differential settlement.

G. Pile and pier foundation information.

H. Special design and construction provisions for footings or foundations founded on expansive soils, as necessary.

2. Please verify that one window in each bedroom will have the required opening area to meet the requirements for emergency escape and rescue as stated in the Florida Residential Building chapter three section R310.1

R310.1.1 Minimum opening area: All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet.

R310.1.2 Minimum opening height: The minimum net clear opening height shall be 24 inches.

R310.1.3 Minimum opening width: The minimum net clear opening width shall be 20 inches.

R310.1.4 Operational constraints: Emergency escape and rescue openings shall be operational from the inside of the room without the use of keys or tools.

3. Please verify that all exterior and interior stairs and stairwells meet the requirements of the Florida Residential Building chapter three sections R311.1in its entirety along with sections R312.1 guards requirements in its entirety. Show the method of attachment of all guards systems to the structure to insure that the guard system will have sufficient stability to provide a minimum uniformly distributed live load of 200 pound per square foot as a single concentrated load applied in any direction at any point along the top rail.

4. Provide a drawing using a typical exterior load bearing shear wall sections that details the components which will be used to construct the two story wall section, showing the required structural elements which will be used to construct these shear walls. Include the lumber type, sizes, and spacing. The material fasteners of the structural elements to each other and to the foundation.

Thank You:

Joe Haltiwanger
Plan Examiner
County Building Department

0801-02

GEO-TECH, INC.

ENGINEERING CONSULTANTS IN GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION MATERIALS TESTING

January 16, 2008
Project No.083568.01G

Dennis O'Neil
O'Neil Construction of High Springs, Inc.
235 N.E. 2nd Street
P.O. Box 1633
High Springs, Florida 32655

Reference: Proposed Macaluso Residence
334 Bluff Drive
Fort White, Florida

Dear Mr. O'Neil,

As requested, Geo-Tech, Inc. has performed the geotechnical engineering investigation and evaluation of the site for the Macaluso residence to be constructed at the referenced address in Fort White, Florida. The purposes of our investigation were to determine the general subsurface conditions in the proposed building area, to provide an allowable bearing pressure for foundation design, and to provide recommendations for site preparation and other geotechincal concerns as appropriate. The scope of our investigation was planned in conjunction with and authorized by you.

We understand the residence will be two-story and have a plan area of approximately 1,400 square feet. Support for the residence is to be provided by conventional, shallow spread footings. Foundation loads were not provided; however, we believe column and wall loads will not exceed 25 kips and 2.0 kips per foot, respectively.

Site Investigation

Subsurface conditions at the site were investigated by performing four Standard Penetration Test borings advanced to depths of 10 feet. Borings were performed at the approximate locations indicated on the attached drawing. These locations were selected by Geo-Tech, Inc., and the building limits were staked on site by your firm. Representative samples of the site soils were collected and returned to our laboratory for visual examination and classification by a geotechnical engineer.

The Standard Penetration Test (ASTM D-1586) is performed by driving a standard split-barrel sampler into the soil by blows of a 140-pound hammer falling 30 inches. The number of blows required to drive the sampler 1 foot, after seating 6 inches, is designated the penetration resistance, or N-value; this value is an index to soil density or consistency.

Findings

The soil borings generally encountered three soil strata. The first layer consists of 2 to 10 or more feet of loose to medium dense, dark gray or light gray to white sand (SP) or sand with silt (SP/SM). The N-values of this layer range from 6 to 21 blows per foot. The second layer consists of 4 to 7 feet of medium dense to dense, gray or gray, tan and orange, clayey sand (SC) or sand with clay (SP/SC). The N-values of this layer range from 12 to 32 blows per foot. The third layer consists of an undetermined thickness of medium dense limestone for which N-values are on the order of 17 to 24 blows per foot. This layer was encountered only at boring locations B-2 and B-3.

Ground water was not encountered at any boring location at the time of our investigation, and we believe the wet season water table will occur at a depth of more than 6 feet below the existing surface grade. It is unlikely ground water will adversely affect site preparation procedures.

For a more detailed description of the subsurface conditions encountered, please refer to the attached borings logs. Note specifically the transition between soil layers is typically gradual and not abrupt as indicated by the logs; therefore, the thickness of soil layers should be considered approximate.

Discussion and Recommendations

Based upon our findings, it is our opinion the site soils are suitable to provide support for the residence using the proposed conventional, shallow spread footings sized to exert a maximum soil bearing pressure of 2,500 pounds per square foot. Based upon a bearing capacity analysis, we obtained an allowable bearing pressure of 2,520 pounds per square foot with a factor of safety of 1.3 against a bearing capacity failure. A conventional strip foundation having a width of 20 inches and embedment of 14 inches was used for this analysis.

We believe only normal, good practice site preparation procedures should be required to prepare the site. Unsuitable soils were not encountered.

We recommend the building area and a minimum of 3 feet beyond be stripped of topsoil, grass, roots and other deleterious materials. Excavation should then be performed if required to establish the appropriate bearing grades. Clean, sandy soils should be stockpiled for later use as fill.

The subgrade should then be thoroughly proof-rolled using heavy, rubber-tired equipment (a large, loaded front-end loader or loaded dump truck, for example). Proof-rolling helps compact the bearing soils and locate zones of especially loose soil that may be present (former tree areas or areas of previous excavation and replacement).

The subgrade should then be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of 2 feet in foundation areas and 1

foot in floor areas. We recommend compaction be performed using a heavy, steel-drum vibratory roller in full dynamic mode.

Fill materials should then be placed as required to raise the site or to establish bearing grades. Foundation cuts may be excavated in the compacted fill or compacted natural soils. Fill materials should be placed in maximum 12-inch, loose lifts, and each lift should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density. The existing site soils, free of organics, should provide a suitable fill. In general however fill should consist of clean, fine sand containing less than about 10% passing the No. 200 sieve.

Field density testing should be performed in the compacted subgrade, in each lift of fill, and in foundation excavations to verify the recommended compaction has been achieved. Final compaction to 95% of the Modified Proctor maximum dry density should be verified to a depth of 1 foot in foundation and floor slab areas.

Foundations should have minimum widths of 20 and 24 inches for strip and isolated footings, respectively. Additionally, the bottoms of foundations should be embedded a minimum of 14 inches below the finished surface grade.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us if you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Geo-Tech, Inc.

John C. Dorman, Jr., Ph.D., P.E. 1/16/08
Geotechnical Engineer
Florida P.E. No. 52612

B-1

Ground Water: N/A

Depth (ft)	N-Value	Soil Description
0		
	9	Loose to Medium Dense, Light Gray to White SAND (SP)
	14	
5	21	Medium Dense, Grayish Tan SAND (SP)
	18	
	16	Medium Dense, Tannish Gray SAND (SP)
	18	Medium Dense, Light Gray SAND (SP)
10		

B-2

Ground Water: N/A

Depth (ft)	N-Value	Soil Description
0		
		Loose, Light Gray to White SAND (SP)
	8	
	14	Loose to Medium Dense, Gray, Tan and Orange, CLAYEY SAND with Limestone (SC)
5	32	
	30	Dense, Gray, Light Gray and Orange, SLIGHTLY CLAYEY SAND (SC)
	13	Medium Dense, Light Gray and Orange SAND with CLAY (SP/SC)
10	24	Medium Dense, Light Gray to White LIMESTONE

B-3

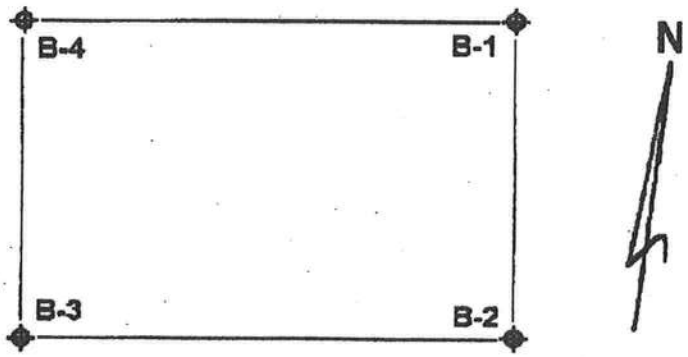
Ground Water: N/A

Depth (ft)	N-Value	Soil Description
0		
	7	Loose, Dark Gray SAND with SILT (SP/SM)
	7	Loose, Gray SAND (SP)
5	15	Loose to Medium Dense, Tannish Gray, SLIGHTLY CLAYEY SAND, Trace Limestone (SC)
	14	Medium Dense, Gray SAND with CLAY, Trace Limestone
	17	Medium Dense, Gray, White and Orange, SILTY LIMESTONE, Lenses Sandy Clay
10	24	
		Medium Dense, Light Gray to White LIMESTONE with Clay

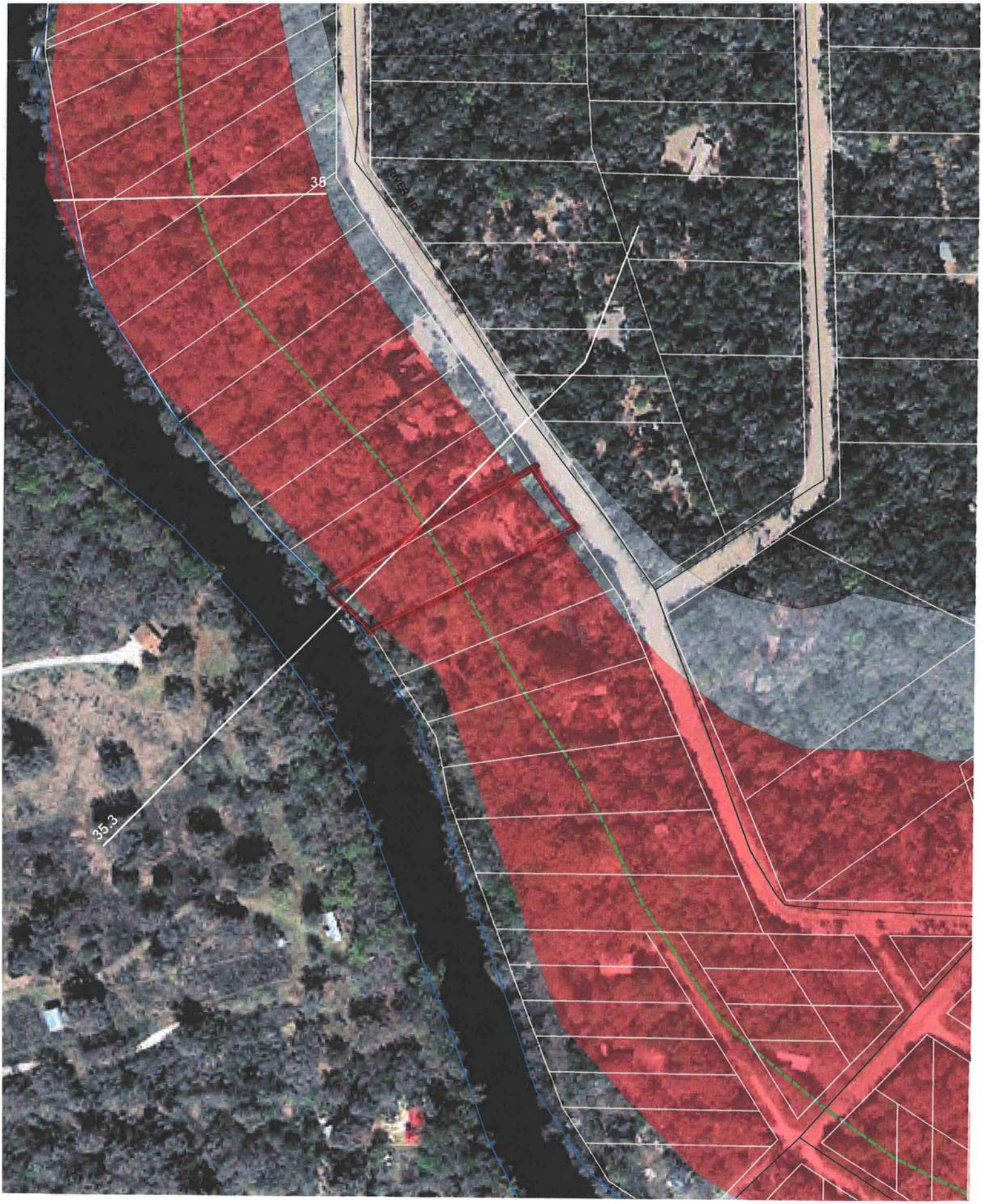
B-4

Ground Water: N/A

Depth (ft)	N-Value	Soil Description
0		
	6	Loose, Light Gray to White SAND (SP)
	7	
5	12	Medium Dense, Gray, VERY CLAYEY SAND (SC)
	16	
	15	Medium Dense, Gray, Tan and Orange, CLAYEY SAND with Limestone (SC)
10	14	



Boring Logs: Malcaluso Residence
Ft. White, Florida



0801-02

SUWANNEE
RIVER
WATER
MANAGEMENT
DISTRICT
9225 CR 49
LIVE OAK, FLORIDA 32060
TELEPHONE: (386) 362-1001
TELEPHONE: 800-226-1066
FAX (386) 362-1056

GENERAL PERMIT

PERMITTEE:
JAMES MACALUSO
2600 N DR M L KING STREET, STE 300
ST PETERSBURG, FL 33704

PERMIT NUMBER: ERP07-0417
DATE ISSUED: 10/24/2007
DATE EXPIRES: 10/24/2010
COUNTY: COLUMBIA
TRS: S18/T7S/R16E

PROJECT: MACALUSO WOD RESIDENCE

Approved entity to whom operation and maintenance may be transferred pursuant to rule 40B-4.1130, Florida Administrative Code (F.A.C.):

JAMES MACALUSO
2600 N DR M L KING STREET, STE 300
ST PETERSBURG, FL 33704

Based on information provided, the Suwannee River Water Management District's (District) rules have been adhered to and an environmental resource general permit is in effect for the permitted activity description below:

This permit authorizes the construction of a residence within the regulatory floodway of the Santa Fe River. The project will be completed in a manner consistent with the application package received by the District from James Macaluso on August 22, 2007; as amended by the District on October 9, 2007; and subject to conditions in District rule 40B-4.3030, F.A.C.

It is your responsibility to ensure that adverse off-site impacts do not occur either during or after construction. Any additional construction or alterations not authorized by this permit may result in flood control or water quality problems both on and off site and will be a violation of District rule.

You or any other substantially affected persons are entitled to request an administrative hearing or mediation. Please refer to enclosed notice of rights.

This permit is issued under the provisions of chapter 373, F.S., chapter 40B-4, and chapter 40B-400,

F.A.C. A general permit authorizes the construction, operation, maintenance, alteration, abandonment, or removal of certain minor surface water management systems. This permit authorizes the permittee to perform the work necessary to construct, operate, and maintain the surface water management system shown on the application and other documents included in the application. This is to notify you of District's agency action concerning Notice Of Intent. This action is taken pursuant to rule 40B-4 and 40B-400, F.A.C.

Standard Conditions for All General Permits:

1. The permittee shall perform all construction authorized in a manner so as to minimize adverse impacts to fish, wildlife, natural environmental values, and water quality. The permittee shall institute necessary measures during construction including riprap, reinforcement, or compaction of any fill materials placed around newly installed structures, to minimize erosion, turbidity, nutrient loading, and sedimentation in the receiving waters.

2. Water quality data representative of the water discharged from the permitted system, including, but not limited to, the parameters in chapter 62-302, F.A.C., shall be submitted to the District as required. If water quality data are required, the permittee shall provide data as required on the volume and rate of discharge including the total volume discharged during the sampling period. All water quality data shall be in accordance with and reference the specific method of analysis in "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association or "Methods for Chemical Analysis of Water and Wastes" by the U.S. Environmental Protection Agency.

3. The operational and maintenance phase of an environmental resource permit will not become effective until the owner or his authorized agent certifies that all facilities have been constructed in accordance with the design permitted by the District. If required by the District, such as-built certification shall be made by an engineer or surveyor. Within 30 days after the completion of construction of the system, the permittee shall notify the District that the facilities are complete. If appropriate, the permittee shall request transfer of the permit to the responsible entity approved by the District for operation and maintenance. The District may inspect the system and, as necessary, require remedial measures as a condition of transfer of the permit or release for operation and maintenance of the system.

4. Off-site discharges during and after construction shall be made only through the facilities authorized by the permit. Water discharged from the project shall be through structures suitable for regulating upstream stage if so required by the District. Such discharges may be subject to operating schedules established by the District.

5. The permit does not convey to the permittee any property right nor any rights or privileges other

than those specified in the permit and chapter 40B-1, F.A.C.

6. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance, alteration, abandonment, or development in a Works of the District which is authorized by the permit.

7. The permit is issued based on the information submitted by the applicant which reasonably demonstrates that adverse off-site water resource impacts will not be caused by the permitted activity. It is the responsibility of the permittee to insure that such adverse impacts do not in fact occur either during or after construction.

8. It is the responsibility of the permittee to obtain all other clearances, permits, or authorizations required by any unit of local, state, or federal government.

9. The surfacewater management system shall be constructed prior to or concurrent with the development that the system is intended to serve and the system shall be completed within 30 days of substantial completion of the development which the system is intended to serve.

10. Except for General Permits After Notice or permits issued to a unit of government, or unless a different schedule is specified in the permit, the system shall be inspected at least once every third year after transfer of a permit to operation and maintenance by the permittee or his agent to ascertain that the system is being operated and maintained in a manner consistent with the permit. A report of inspection is to be sent to the District within 30 days of the inspection date. If required by chapter 471, F.S., such inspection and report shall be made by an engineer.

11. The permittee shall allow reasonable access to District personnel or agents for the purpose of inspecting the system to insure compliance with the permit. The permittee shall allow the District, at its expense, to install equipment or devices to monitor performance of the system authorized by their permit.

12. The surfacewater management system shall be operated and maintained in a manner which is consistent with the conditions of the permit and chapter 40B-4.2040, F.A.C.

13. The permittee is responsible for the perpetual operation and maintenance of the system unless the operation and maintenance is transferred pursuant to chapter 40B-4.1130, F.A.C., or the permit is modified to authorize a new operation and maintenance entity pursuant to chapter 40B-4.1110, F.A.C.

14. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for

undertaking that activity shall constitute a violation of this permit.

15. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

16. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.

17. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site-specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

18. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.

19. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40B-1.901(14) indicating the actual start date and the expected completion date.

20. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an Annual Status Report Form No. 40B-1.901(15). These forms shall be submitted during June of each following year.

21. For those systems which will be operated or maintained by an entity requiring an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance documents as are required by Paragraph 40B-4.2030(2)(g), F.A.C., and Rule 40B-4.2035, F.A.C.,

must be submitted to the District for approval. Documents meeting the requirements set forth in these subsections of District rules will be approved. Deed restrictions, easements and other operation and maintenance documents which require recordation either with the Secretary of State or Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.

22. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

23. Within 30 days after completion of construction of the permitted system, or independent portion of the system, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, using the supplied As-Built Certification Form No. 40B-1.901(16) incorporated by reference in Subsection 40B-1.901(16), F.A.C. When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submittal of the completed form shall serve to notify the District that the system is ready for inspection. The statement of completion and certification shall be based on on-site observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or review of as-built drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at a minimum, shall be verified on the as-built drawings:

a. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;

b. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;

c. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;

d. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;

e. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;

f. Existing water elevation(s) and the date determined; and

g. Elevation and location of benchmark(s) for the survey.

24. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the condition in paragraph 23 above, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District in accordance with Rule 40B-4.2035, F.A.C., accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the approved responsible operation and maintenance operating entity if different from the permittee. Until the permit is transferred pursuant to Rule 40B-4.1130, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

25. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior to implementation so that a determination can be made whether a permit modification is required.

26. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and in this chapter and Chapter 40B-4, F.A.C.

27. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent

authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

28. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under 40B-400.046, F.A.C., provides otherwise.

29. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 40B-4.1130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

30. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District.

31. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT, THE PERMITTEE SHALL NOTIFY THE DISTRICT, IN WRITING, THAT THE FACILITIES ARE COMPLETE.

Approved by Lori Manton Date Approved 10/24/07
District Staff

Timothy J. Sagul
Clerk

Executive Director

NOTICE OF RIGHTS

1. A person whose substantial interests are or may be determined has the right to request an administrative hearing by filing a written petition with the Suwannee River Water Management District (District), or may choose to pursue mediation as an alternative remedy under Section 120.569 and 120.573, Florida Statutes, before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth in Sections 120.569 and 120.57 Florida Statutes. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). A petition must comply with Chapter 28-106, Florida Administrative Code.

2. If the Governing Board takes action which substantially differs from the notice of District decision to grant or deny the permit application, a person whose substantial interests are or may be determined has the right to request an administrative hearing or may chose to pursue mediation as an alternative remedy as described above. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). Such a petition must comply with Chapter 28-106, Florida Administrative Code.

3. A substantially interested person has the right to a formal administrative hearing pursuant to Section 120.569 and 120.57(1), Florida Statutes, where there is a dispute between the District and the party regarding an issue of material fact. A petition for formal hearing must comply with the requirements set forth in Rule 28-106.201, Florida Administrative Code.

4. A substantially interested person has the right to an informal hearing pursuant to Section 120.569 and 120.57(2), Florida Statutes, where no material facts are in dispute. A petition for an informal hearing must comply with the requirements set forth in Rule 28-106.301, Florida Administrative Code.

5. A petition for an administrative hearing is deemed filed upon receipt of the petition by the Office of the District Clerk at the District Headquarters in Live Oak, Florida.

6. Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing pursuant to Rule 28-106.111, Florida Administrative Code.

7. The right to an administrative hearing and the relevant procedures to be followed is governed by Chapter 120, Florida Statutes, and Chapter 28-106, Florida Administrative Code.

8. Pursuant to Section 120.68, Florida Statutes, a person who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to the Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.

9. A party to the proceeding before the District who claims that a District order is inconsistent with the provisions and purposes of Chapter 373, Florida Statutes, may seek review of the order pursuant to Section 373.114, Florida Statutes, by the Florida Land and Water Adjudicatory Commission, by filing a request for review with the Commission and serving a copy of the Department of Environmental Protection and any person named in the order within 20 days of adoption of a rule or the rendering of the District order.

10. For appeals to the District Courts of Appeal, a District action is considered rendered after it is signed on behalf of the District, and is filed by the District Clerk.

11. Failure to observe the relevant time frames for filing a petition for judicial review, or for Commission review, will result in waiver of the right to review.

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Notice of Rights has been sent by U.S. Mail to:

JAMES MACALUSO
2600 N DR M L KING STREET, STE 300
ST PETERSBURG, FL 33704

At 4:00 p.m. this 25 day of Oct, 2007

Jon M. Dinges
Deputy Clerk
Suwannee River Water Management District
9225 C.R. 49
Live Oak, Florida 32060

386.362.1001 or 800.226.1066 (Florida only)

cc: File Number: ERP07-0417

FORM 600A-2004R Tested sealed ducts must be certified in this house. EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**MACALUSO RESIDENCE**	Builder:	**O'NEIL CONSTRUCTION**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	**HIGH SPRINGS, FL**	Permit Number:	26862
Owner:	**JAMES MACALUSO**	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: 48.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. Central Unit	Cap: 42.0 kBtu/hr
5. Is this a worst case?	No		SEER: 13.00
6. Conditioned floor area (ft²)	3841 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble, U=0.9) 120.0 ft²	13. Heating systems	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 494.0 ft²	a. Electric Heat Pump	Cap: 48.0 kBtu/hr
8. Floor types			HSPF: 8.50
a. Raised Wood, Adjacent	R=4.0, 3442.9ft²	b. Electric Heat Pump	Cap: 42.0 kBtu/hr
b. Raised Wood, Adjacent	R=19.0, 825.0ft²		HSPF: 8.50
c. N/A		c. N/A	
9. Wall types			
a. Frame, Wood, Adjacent	R=5.0, 2548.0 ft²	14. Hot water systems	
b. Frame, Wood, Exterior	R=19.0, 2148.0 ft²	a. Natural Gas	Cap: 40.0 gallons
c. N/A			EF: 0.60
d. N/A		b. Electric Resistance	Cap: 50.0 gallons
e. N/A			EF: 0.93
10. Ceiling types (white roof)		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
a. Under Attic	R=30.0, 3841.0 ft²	15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, CF, MZ-H
b. N/A			
c. N/A			
11. Ducts(Leak Free)(white roof)			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 240.0 ft		
b. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 190.0 ft		

Glass/Floor Area: 0.13 Total as-built points: 44613 Total base points: 46176 **PASS**

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

PREPARED BY: Larry Resmondo A/C

DATE: 12/21/07

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: , **HIGH SPRINGS, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	3841.0	18.59	12853.0	1.Double,U=0.87,Clear	N	7.0	7.5	14.0	19.20	0.72	194.0	
				2.Double,U=0.87,Clear	N	7.0	6.0	45.0	19.20	0.68	591.0	
				3.Double,U=0.87,Clear	N	1.5	5.0	24.0	19.20	0.92	421.0	
				4.Double,U=0.87,Clear	N	1.5	6.0	30.0	19.20	0.94	540.0	
				5.Double,U=0.87,Clear	N	1.5	4.0	9.0	19.20	0.88	151.0	
				6.Double,U=0.87,Clear	N	12.0	7.0	120.0	19.20	0.64	1465.0	
				7.Double,U=0.60,Clear	N	12.0	8.0	84.0	20.51	0.65	1127.0	
				8.Double,U=0.87,Clear	N	1.5	6.0	60.0	19.20	0.94	1081.0	
				9.Double,U=0.87,Clear	N	1.5	4.0	18.0	19.20	0.88	303.0	
				10.Single,U=1.27,Clear	N	1.5	6.0	45.0	21.76	0.94	919.0	
				11.Double,U=0.87,Clear	N	1.5	6.0	45.0	19.20	0.94	811.0	
				As-Built Total:				**494.0**			**7603.0**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	2548.0	0.70	1783.6	1. Frame, Wood, Adjacent			5.0	2548.0	1.20		3057.6	
Exterior	2148.0	1.70	3651.6	2. Frame, Wood, Exterior			19.0	2148.0	0.90		1933.2	
Base Total:	**4696.0**		**5435.2**	**As-Built Total:**				**4696.0**			**4990.8**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	1.Exterior Wood				42.0	6.10		256.2	
Exterior	42.0	6.10	256.2									
Base Total:	**42.0**		**256.2**	**As-Built Total:**				**42.0**			**256.2**	
CEILING TYPES	Area X	BSPM =	Points	Type (White Roof)			R-Value	Area X	SPM X SCM =		Points	
Under Attic	3841.0	1.73	6644.9	1. Under Attic			30.0	3841.0	1.73 X 0.55		3654.7	
Base Total:	**3841.0**		**6644.9**	**As-Built Total:**				**3841.0**			**3654.7**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Adjacent			4.0	3442.9	1.40		4820.1	
Raised	4267.9	-3.99	-17028.9	2. Raised Wood, Adjacent			19.0	825.0	0.40		330.0	
Base Total:			**-17028.9**	**As-Built Total:**				**4267.9**			**5150.1**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	3841.0	10.21	39216.6					3841.0	10.21		39216.6	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , **HIGH SPRINGS, FL,**	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 47377.0			**Summer As-Built Points:**					**60871.4**
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 48000btuh ,SEER/EFF(13.0) Ducts:Att(S),Att(R),Int(AH),R6.0(INS)					
			60871	0.53	(1.05 x 1.000 x 0.91)	0.260	0.902	7258.1
			(sys 2: Central Unit 42000btuh ,SEER/EFF(13.0) Ducts:Att(S),Att(R),Int(AH),R6.0(INS)					
			60871	0.47	(1.05 x 1.000 x 0.91)	0.260	0.902	6350.8
47377.0	**0.3250**	**15397.5**	**60871.4**	**1.00**	**0.953**	**0.260**	**0.902**	**13608.9**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , **HIGH SPRINGS, 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	= Points	
.18	3841.0	20.17	13945.0	1.Double,U=0.87,Clear	N	7.0	7.5	14.0	24.58	1.02	350.0	
				2.Double,U=0.87,Clear	N	7.0	6.0	45.0	24.58	1.02	1128.0	
				3.Double,U=0.87,Clear	N	1.5	5.0	24.0	24.58	1.00	592.0	
				4.Double,U=0.87,Clear	N	1.5	6.0	30.0	24.58	1.00	739.0	
				5.Double,U=0.87,Clear	N	1.5	4.0	9.0	24.58	1.01	222.0	
				6.Double,U=0.87,Clear	N	12.0	7.0	120.0	24.58	1.02	3020.0	
				7.Double,U=0.60,Clear	N	12.0	8.0	84.0	17.07	1.02	1466.0	
				8.Double,U=0.87,Clear	N	1.5	6.0	60.0	24.58	1.00	1478.0	
				9.Double,U=0.87,Clear	N	1.5	4.0	18.0	24.58	1.01	445.0	
				10.Single,U=1.27,Clear	N	1.5	6.0	45.0	32.68	1.00	1473.0	
				11.Double,U=0.87,Clear	N	1.5	6.0	45.0	24.58	1.00	1108.0	
				As-Built Total:				**494.0**			**12021.0**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	2548.0	3.60	9172.8	1. Frame, Wood, Adjacent			5.0	2548.0	6.11		15579.2	
Exterior	2148.0	3.70	7947.6	2. Frame, Wood, Exterior			19.0	2148.0	2.20		4725.6	
Base Total:	**4696.0**		**17120.4**	**As-Built Total:**				**4696.0**			**20304.8**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	1.Exterior Wood				42.0	12.30		516.6	
Exterior	42.0	12.30	516.6									
Base Total:	**42.0**		**516.6**	**As-Built Total:**				**42.0**			**516.6**	
CEILING TYPES	Area X	BWPM =	Points	Type (White Roof)			R-Value	Area X	WPM X WCM =		Points	
Under Attic	3841.0	2.05	7874.0	1. Under Attic			30.0	3841.0	2.05 X 1.04		8220.5	
Base Total:	**3841.0**		**7874.0**	**As-Built Total:**				**3841.0**			**8220.5**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Adjacent			4.0	3442.9	6.97		24001.9	
Raised	4267.9	0.96	4097.2	2. Raised Wood, Adjacent			19.0	825.0	2.20		1815.0	
Base Total:			**4097.2**	**As-Built Total:**				**4267.9**			**25816.9**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	3841.0	-0.59	-2266.2					3841.0	-0.59		-2266.2	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , **HIGH SPRINGS, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**41287.0**	**Winter As-Built Points:**					**64613.6**
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 48000 btuh ,EFF(8.5) Ducts:Att(S),Att(R),Int(AH),R6.0					
			64613.6	0.533	(1.071 x 1.000 x 0.93)	0.401	0.950	13081.4
			(sys 2: Electric Heat Pump 42000 btuh ,EFF(8.5) Ducts:Att(S),Att(R),Int(AH),R6.0					
			64613.6	0.467	(1.071 x 1.000 x 0.93)	0.401	0.950	11446.2
41287.0	**0.5540**	**22873.0**	**64613.6**	**1.00**	**0.996**	**0.401**	**0.950**	**24527.6**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , **HIGH SPRINGS, 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
3		2635.00	7905.0	40.0	0.60	3		0.44	1598.90	1.00	2131.9
				50.0	0.93	3		0.56	2606.67	1.00	4344.4
				As-Built Total:							**6476.3**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
15398	**22873**	**7905**	**46176**	**13609**	**24528**	**6476**	**44613**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , **HIGH SPRINGS, 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 cir 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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.2

The higher the score, the more efficient the home.

JAMES MACALUSO, , HIGH SPRINGS, FL,

1.	New construction or existing	New	__
2.	Single family or multi-family	Single family	__
3.	Number of units, if multi-family	1	__
4.	Number of Bedrooms	3	__
5.	Is this a worst case?	No	__
6.	Conditioned floor area (ft²)	3841 ft²	__
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble, U=0.9) 120.0 ft²	__
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 494.0 ft²	__
8.	Floor types		
a.	Raised Wood, Adjacent	R=4.0, 3442.9ft²	__
b.	Raised Wood, Adjacent	R=19.0, 825.0ft²	__
c.	N/A		__
9.	Wall types		
a.	Frame, Wood, Adjacent	R=5.0, 2548.0 ft²	__
b.	Frame, Wood, Exterior	R=19.0, 2148.0 ft²	__
c.	N/A		__
d.	N/A		__
e.	N/A		__
10.	Ceiling types (white roof)		
a.	Under Attic	R=30.0, 3841.0 ft²	__
b.	N/A		__
c.	N/A		__
11.	Ducts(Leak Free)(white roof)		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 240.0 ft	__
b.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 190.0 ft	__

12.	Cooling systems		
a.	Central Unit	Cap: 48.0 kBtu/hr	__
		SEER: 13.00	__
b.	Central Unit	Cap: 42.0 kBtu/hr	__
		SEER: 13.00	__
c.	N/A		__
			__
13.	Heating systems		
a.	Electric Heat Pump	Cap: 48.0 kBtu/hr	__
		HSPF: 8.50	__
b.	Electric Heat Pump	Cap: 42.0 kBtu/hr	__
		HSPF: 8.50	__
c.	N/A		__
			__
14.	Hot water systems		
a.	Natural Gas	Cap: 40.0 gallons	__
		EF: 0.60	__
b.	Electric Resistance	Cap: 50.0 gallons	__
		EF: 0.93	__
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)	MZ-C, CF, MZ-H	__

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 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.

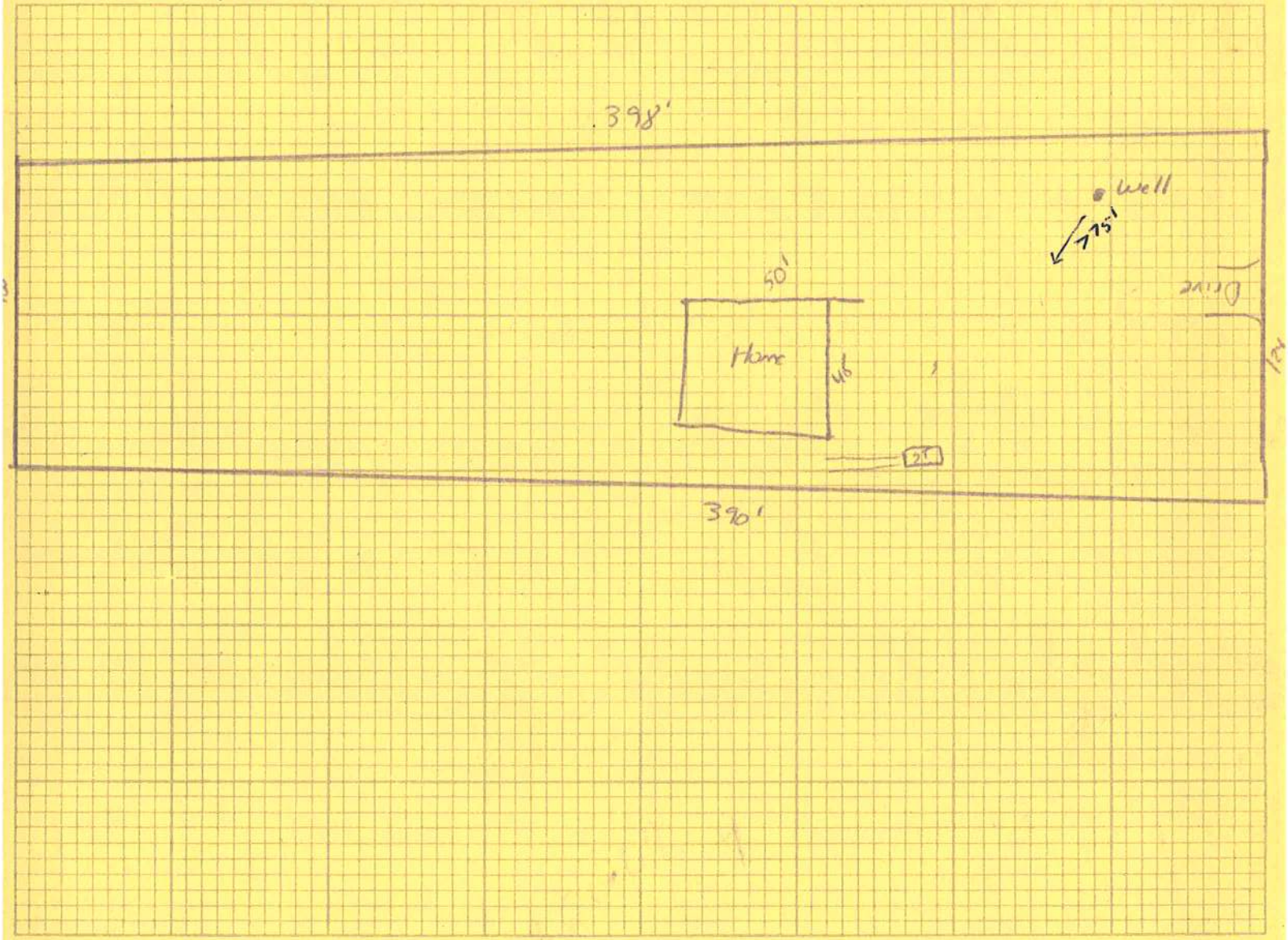
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-0003-E

PART II - SITE PLAN

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



Notes: _____

Site Plan submitted by: _____ _____
Signature Title

Plan Approved ✓ Not Approved _____ Date 12-08

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

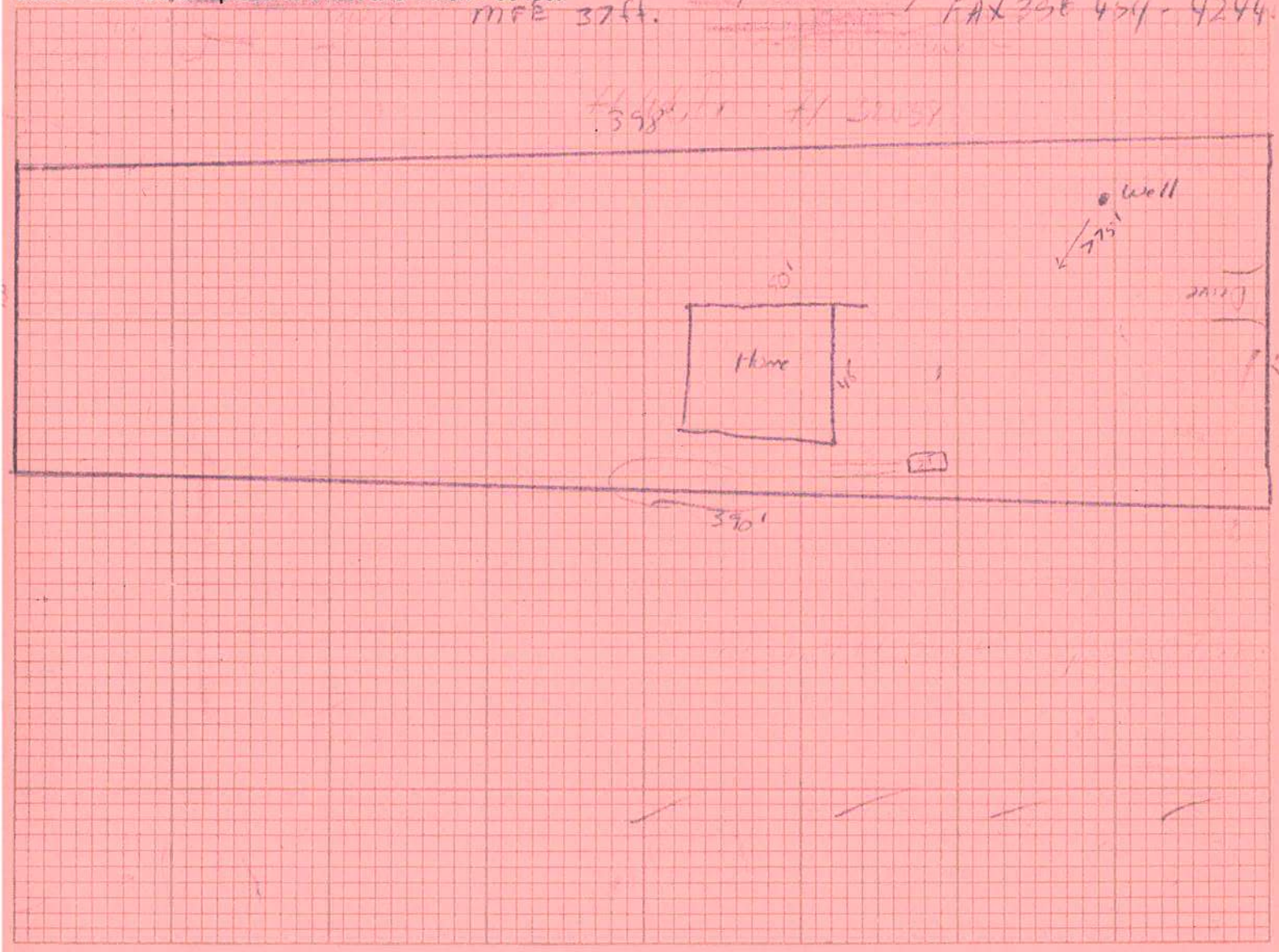
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

BLK 08.01.08 Permit Application Number 08-0023-E

PART II - SITE PLAN

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



Notes: _____

Site Plan submitted by: _____ _____
Signature Title

Plan Approved ✓ Not Approved _____ Date 12-08

By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Columbia County Building Department
Flood Development Permit

Development Permit
F 023- 08-007

DATE 03/19/2008 BUILDING PERMIT NUMBER 000026862

APPLICANT DENNIS O'NEIL PHONE 386.454.2476

ADDRESS 235 NE 2ND STREET HIGH SPRINGS FL 32643

OWNER JAMES MACALUSO PHONE

ADDRESS 334 SW BLUFF DRIVE FT. WHITE FL 32038

CONTRACTOR DENNIS O'NEIL PHONE 386.454.2476

ADDRESS 235 NE 2ND STREET HIGH SPRINGS FL 32643

SUBDIVISION CEDAR SPRINGS SHORES Lot 34 Block Unit 1 Phase

TYPE OF DEVELOPMENT SFD/UTILITY PARCEL ID NO. 18-7S-16-04236-014

FLOOD ZONE AE BY BLK 1-6-88 FIRM COMMUNITY #. 120070 - PANEL #. 0255 B

FIRM 100 YEAR ELEVATION 36.00' PLAN INCLUDED YES or NO

REQUIRED LOWEST HABITABLE FLOOR ELEVATION 37.00'

IN THE REGULATORY FLOODWAY YES or NO RIVER SANTA FE

SURVEYOR / ENGINEER NAME GREGORY G. BAILEY, PE LICENSE NUMBER 43858

_____ ONE FOOT RISE CERTIFICATION INCLUDED

__✓__ ZERO RISE CERTIFICATION INCLUDED

_____ SRWMD PERMIT NUMBER_____
(INCLUDING THE ONE FOOT RISE CERTIFICATION)

DATE THE FINISHED FLOOR ELEVATION CERTIFICATE WAS PROVIDED_____

INSPECTED DATE _____ BY _____

COMMENTS _____

_____

135 NE Hernando Ave., Suite B-21
Lake City, Florida 32055
Phone: 386-758-1008
Fax: 386-758-2160

COLUMBIA COUNTY GATEWAY TO FLORIDA

executive line

OR 0736 PG 0654
OFFICIAL RECORDS

THIS INSTRUMENT PREPARED BY
REGIONAL TITLE COMPANY
2015 SOUTH FIRST STREET
P.O. BOX 1672
LAKE CITY, FLORIDA 32055
MARTHA J. TEDDER by: [illegible]

90 14276

FILED AND RECORDED
1990 NOV 27 AM 11:59
P. Downey
FLORIDA

This Indenture,

"The terms "grantor" and "grantee" herein shall be construed to include all genders and singular or plural as the context indicates."

Made this 23rd day of November, 19 90, Between
Donald W. Kragh and Nance Anne Kragh, his wife
Social Security No(s) 266-29-4544 309-48-5145

of the County of PINELLAS, State of FLORIDA, grantor, and
James Macaluso, a married man
Social Security No(s) [redacted]

whose post office address is P.O. Box 1214, High Springs, Florida 32643
of the County of Alachua, State of Florida, grantee,

Witnesseth: That said grantor, for and in consideration of the sum of TEN AND NO/100'S Dollars, and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs, successors and assigns forever, the following described land, situate, lying and being in COLUMBIA County, Florida, to-wit:

Lot Thirty-Four (34) CEDAR SPRINGS SHORES, Unit No. One (1), a subdivision as per plat thereof recorded in Plat Book [illegible] page 1, public records of Columbia County, Florida.

R-73420 kmlw

DOCUMENTARY STAMP 165.00
INTANGIBLE TAX -0-
DAWITT CASON, CLERK OF COURTS, COLUMBIA COUNTY
By P. Downey D.C.

The property appraiser's parcel identification number of the property is: [redacted]

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

In Witness Whereof, Grantor has hereunto set grantor's hand and seal the day and year first above written.
Signed, sealed and delivered in our presence:

Raye dee Burton
witness
Linda Ann Lyle
witness
witness
witness

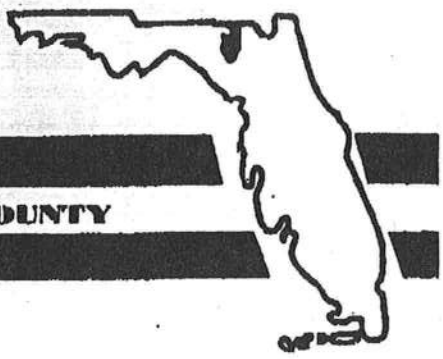
Donald W. Kragh (Seal)
Nance Anne Kragh (Seal)
(Seal)
(Seal)

STATE OF FLORIDA
COUNTY OF PINELLAS
I HEREBY CERTIFY that on this day before me, an officer duly qualified to take acknowledgments, personally appeared
Donald W. Kragh and Nance Anne Kragh, his wife

to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged before me the execution of same.
WITNESS my hand and official seal in the County and State last aforesaid this 23rd day of November, 1990

R. E. Vieira
Notary Public
My commission expires: NOTARY PUBLIC, STATE OF FLORIDA AT LARGE. MY COMMISSION EXPIRES JUL 28, 1994.

MIDSTATE LEGAL SUPPLY CO., INC. – ORLANDO, FLORIDA (Revised 10/88)



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

December 5, 2007

Mr. James Macaluso
100 Pershing St. NE
St. Petersburg, FL 33702

Re: V #0264

Dear Mr. Macaluso:

This letter is to inform you that your application for a variance was approved by the Columbia County Board of Adjustment at the meeting on November 29, 2007.

There is a 30-day appeal period that will expire on December 28, 2007. If no appeals are filed within this time period, you may apply for the necessary permits after December 28, 2007.

If you have any questions concerning this matter, please feel free to contact me at (386) 758-1008.

Sincerely,

Brian L. Kepner
County Planner

FLORIDA PEST CONTROL & CHEMICAL CO.
Since 1949

FOUNDED 1949

CORPORATE HEADQUARTERS:

P.O. BOX 5369
116 N.W. 16TH AVENUE
GAINESVILLE, FL 32602-5369

(352) 376-2661
FAX (352) 376-2791

SCIENTIFIC PEST CONTROL DIRECTED BY GRADUATE ENTOMOLOGISTS

Complete Pest Control Service
Member Florida & National Pest Control Associations

26862

Reply to: 116 NW 16th Ave
Gainesville, FL 32601
Phone (352) 376-2661 Fax (352) 376-2791

O'NEIL CONSTRUCTION
FAX# 386-454-4244

TERMITE TREATMENT CERTIFICATION

Owner: JAMES MACALUSO	Permit Number:
Lot:	Block:
Subdivision:	Street Address: 334 SW BLUFF DR
City: FORT WHITE	County: COLUMBIA
General Contractor: O'NEIL CONSTRUCTION	Area Treated: EXTERIOR PERIMETER
Date: 6/10/09	Time: AM
Name of applicator DAVID REED	Applicator ID Number: JE 149226
Product Used: Active Ingredient: % Concentration Termidor: Fipronil: 0.12%	Number of gallons used: 40
Method of termite prevention treatment: Soil Treatment	

The building has received a complete treatment for the prevention of subterranean termites. Treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services.

This form is proof of complete treatment for Certificate of Occupancy or Closing.

THIS IS PROOF OF WARRANTY

Warranty and Treatment Certifications Have Been Issued.

Authorized Signature:	Date:
Dave Reuckert	6-10-09

000-26862