DATE 01/10/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025393

APPLICANT ROBERT BETTERTON PHONE 454-0627

ADDRESS 9170 SE 2ND STREET TRENTON FL 32693

OWNER ROUNDTABLE GROUP. LLC PHONE 352-377-6666

ADDRESS 523 SW MARYNIK DR HIGH SPRINGS FL 32643

CONTRACTOR ROBERT BETTERTON PHONE 454-0627

LOCATION OF PROPERTY 47 S, L 27, L 778, R MARY NILE RD, LOT IS LOCATED ON L ON THE CURVE IN THE ROAD

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 123500.00

HEATED FLOOR AREA 2470.00 TOTAL AREA 3712.00 HEIGHT 20.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 16-7S-17-10006-001 SUBDIVISION RIVER RISE

LOT 39 BLOCK PHASE UNIT 2 TOTAL ACRES 5.00

000001293 Culvert Permit No.

Culvert Waiver

CGC1505090 Contractor's License Number

Applicant/Owner/Contractor

18"X32' Driveway Connection

06-0990-N Septic Tank Number

BK LU & Zoning checked by

JH Approved for Issuance

N New Resident

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

Check # or Cash 5199

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 $ 620.00 CERTIFICATION FEE $ 18.56 SURCHARGE FEE $ 18.56

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 757.12

INSPECTORS OFFICE L. Hall CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

352-258-0012
left message 12/14/06

Columbia County Building Permit Application

For Office Use Only Application # 0612-31 Date Received 12/8 By JW Permit # 1293/25393

Application Approved by - Zoning Official BLK Date 14.12.06 Plans Examiner OK JTH Date 12-13-06

Flood Zone X per plat Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments 911 ADDRESS

☑ NOC ☐ EH ☑ Deed or PA ☑ Site Plan N/A State Road Info ☐ Parent Parcel # ☐ Development Permit

Fax H.A.S. Builders Inc 386-454-0462

Name Authorized Person Signing Permit Robert Betterton Phone 386-454-0627

Address 9170 SE 2nd St. Rd. Trenton Fl. 32693

Owners Name Roundtable Group LLC Phone 352-377-6664

911 Address 523 SW Warynik Dr, High Springs FL 32643

Contractors Name Robert Betterton H.A.S. Builder Inc. Phone 386-454-0627

Address 9170 SE 2nd St. Rd. Trenton Fl. 32693

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Paul Stressing-Eng. ~ Paul Bergner

Mortgage Lenders Name & Address Florida Capital NA Robert S Johnson 5010 W Newberry Road Suite C Gainesville Fl. 32607

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

Property ID Number 16-7S-17-10006-001 Estimated Cost of Construction 225000.00

Subdivision Name River Rise Lot 39 Block ____ Unit 2 Phase ____

Driving Directions HWY 27 → 778 Take Right → Take Right on Mary Nik Lot is located on the Curve in Road.

Type of Construction Wood - SFD Number of Existing Dwellings on Property 0

Total Acreage 5 Lot Size 729X436 Do you need a - **Culvert Permit** (circled) or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 170 Side 230 Side 250 Rear 173

Total Building Height 20' Number of Stories 1 Heated Floor Area 2470 TOTAL 3712 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

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.

Owner Builder or Authorized Person by Notarized Letter

Contractor Signature [signature]

Contractors License Number CGC1505090

Competency Card Number

NOTARY STAMP/SEAL

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 8 day of December 20 ✓.

Personally known____ or Produced Identification ✓

Notary Signature [signature]

(Revised Sept. 2006)

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001293

DATE 01/10/2007 PARCEL ID # 16-7S-17-10006-001

APPLICANT ROBERT BETTERTON PHONE 454-0627

ADDRESS 9170 SE 2ND STREET TRENTON FL 32693

OWNER ROUNDTABLE GROUP, LCC PHONE 352-377-6666

ADDRESS 523 SW MARYNIK DR HIGH SPRINGS FL 32643

CONTRACTOR ROUNDTABLE GROUP, LLC PHONE 352-377-6666

LOCATION OF PROPERTY 47 S, L 27, L 778, R MARY NILE RD, LOT IS ON THE LEFT

ON THE CURVE IN THE ROAD

SUBDIVISION/LOT/BLOCK/PHASE/UNIT RIVER RISE 39 2

SIGNATURE

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

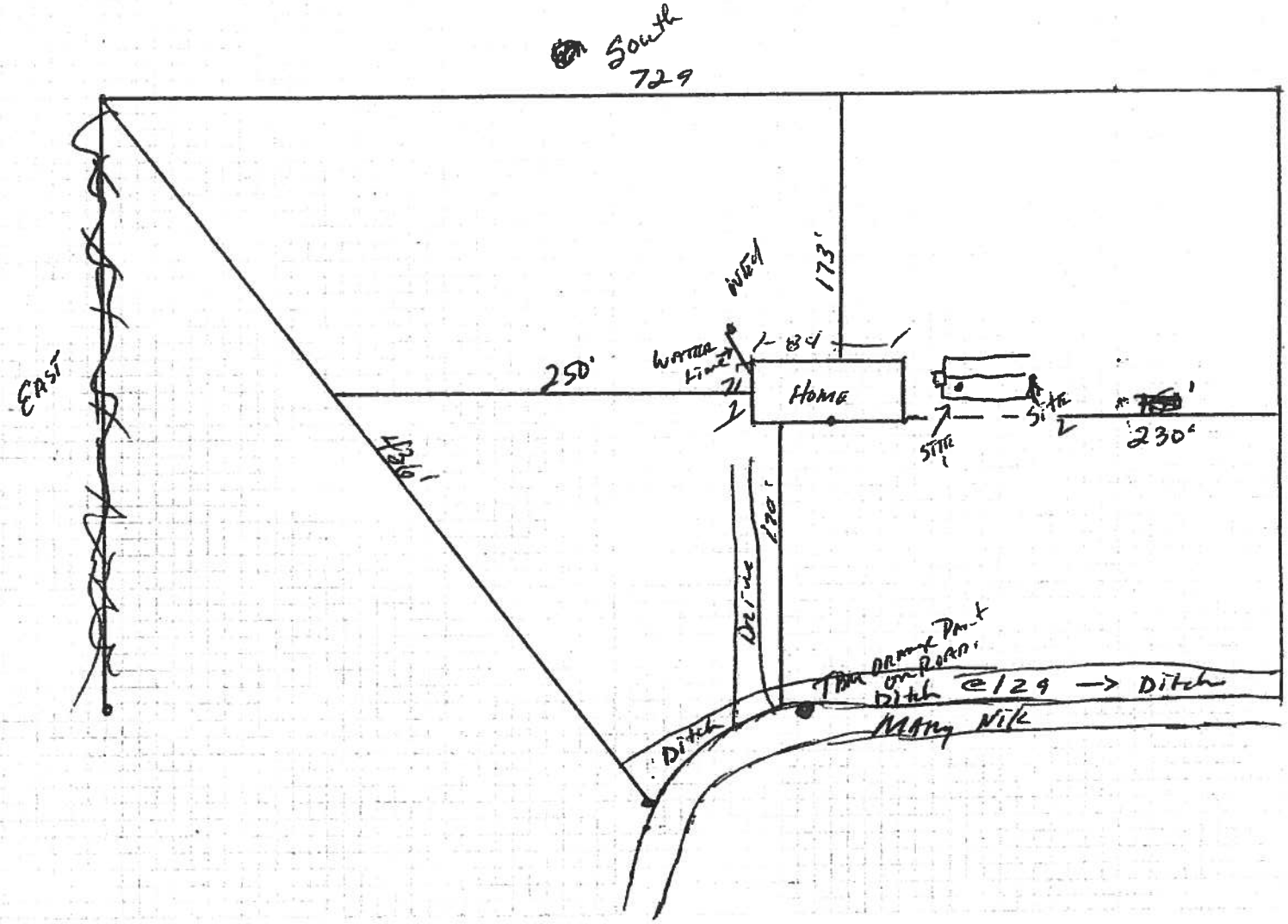
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

PART II - SITE PLAN

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



otes: _____

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 12/11/2006 **DATE ISSUED:** 12/14/2006

ENHANCED 9-1-1 ADDRESS:

523 SW MARYNIK DR

HIGH SPRINGS FL 32643

PROPERTY APPRAISER PARCEL NUMBER:

16-7S-17-10006-239

Remarks:

LOT 39 RIVER RISE S/D UNIT 2

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

527

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

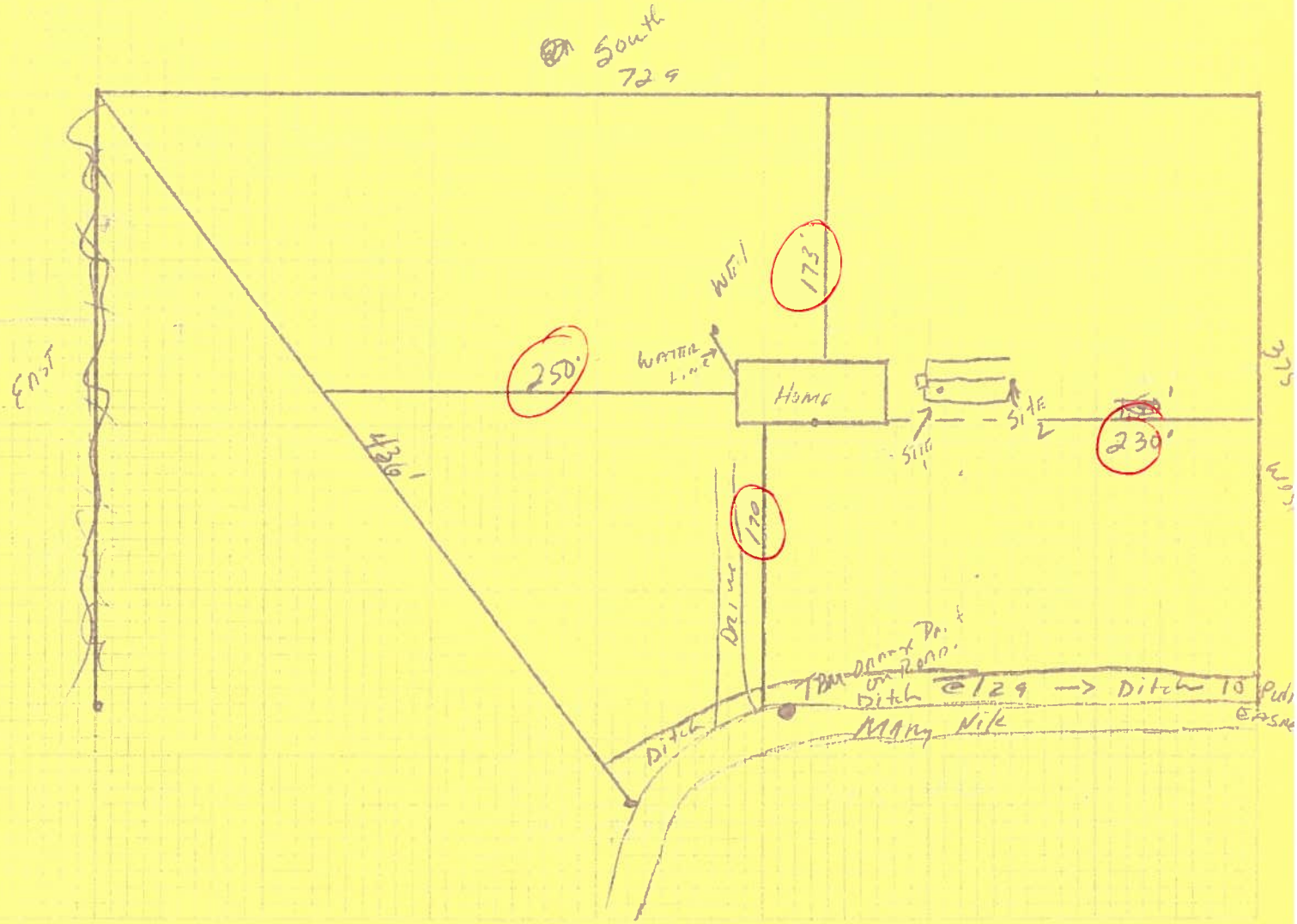
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0990N

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 11/13/06

By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Record & Return To
Darryl J. Tompkins, P.A.
P.O. Box 519
Alachua, FL 32616

Inst:2006007382 Date:03/27/2006 Time:11:23
Doc Stamp-Deed : 575.60
DC,P.DeWitt Cason,Columbia County B:1076 P:1252

Parcel ID Number: 16-7s-17-10006-001 Portion of

Warranty Deed

This Indenture, Made this 20th day of March, 2006 A.D., **Between**

Nevin G. Summers, a married man

of the Borough of Anchorage, State of Alaska, **Grantor**, and

Roundtable Group, LLC, a Florida limited liability company
Document # L05000054994
FEI# 202968663

whose post office address is : 4141 NW 37th Place, Suite A, Gainesville, FL 32606

of the County of Alachua, State of Florida. **Grantee**

Witnesseth that the GRANTOR, for and in consideration of the sum of TEN & NO/100 ($10.00), and other good and valuable consideration to GRANTOR in hand paid by GRANTEE, the receipt of which is hereby acknowledged, has granted, bargained and sold to the said GRANTEE and GRANTEE=S successors and assigns forever, the following described land, situate, lying and being in the County of Columbia, State of Florida to wit:

Lot 39 of RIVER RISE RESIDENTIAL SUBDIVISION UNIT 2, according to the Plat thereof as recorded in Plat Book 8, Page(s) 54, of the Public Records of Columbia County, Florida.

SUBJECT TO THE FOLLOWING:

A. Zoning restrictions, prohibitions and other requirements imposed by governmental authority;
B. Restrictions and matters appearing on the plat and/or common to the subdivision;
C. Taxes for the year 2006 and subsequent years.

The purpose of reflecting the document number and tax identification number is to avoid any confusion with a limited liability company of the same or similar name.

The land described herein is not the homestead of the grantor(s), and neither the grantor(s) nor the grantor(s) spouse, nor anyone for whose support the grantor(s) is responsible, resides on or adjacent to said land

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

In Witness Whereof, the grantor has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Printed Name: Carlos A Lomboy

Printed Name: Vanonvar Gomez

NEVIN G. SUMMERS

STATE OF ALASKA
BOROUGH OF Anchorage

The foregoing instrument was acknowledged before me this 20th day of March, 2006, by NEVIN G. SUMMERS, who is personally known to me or has produced his AK-DL as identification

EMMA MEYER
My Commission Expires
NOTARY PUBLIC
Nov. 18, 2009
STATE OF ALASKA

Notary Public State of Alaska
Printed Name: EMMA Meyer
My Commission Expires: 11.18.09

J. K. "Buddy" Irby, Clerk of the Circuit & County Court, Eighth Judicial Circuit of Florida, in and for Alachua County, hereby certifies this to be a true and correct copy of the document now in my custody in this office. Witness my hand and seal this 3rd day of October 2006
J. K. "Buddy" Irby, Clerk of the Circuit & County Court
By: Deputy Clerk

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 2281090 1 PG
2006 OCT 03 04:14 PM BK 3473 PG 1281
J. K. "BUDDY" IRBY
CLERK OF CIRCUIT COURT
ALACHUA COUNTY, FLORIDA
CLERK25 Receipt#302957

Prepared By & Return To:
Philip A. DeLaney,
Scruggs & Carmichael, P.A.
Post Office Box 23109
Gainesville, Florida 32602
PAD 06-1496-A

NOTICE OF COMMENCEMENT

Tax Folio No. Portion of #16-7-17-10006
Permit No. _____
State of Florida
County of Columbia

2281090

To whom it may concern:

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

Description of real property to be improved (legal description and address if available)
Lot 39 of River Rise Residential, Subdivision Unit 2, according to the Plat thereof as recorded in Plat Book 8, Page(s) 54, of the Public Records of Columbia County, Florida

General description of improvements - Construction of a single-family home

Owner Information: Roundtable Group, LLC, a Florida limited liability company Document #L05000054994
4141 N.W. 37th Place, Suite A, Gainesville, Florida 32606
(352) 377-6666 Phone (352) _____ Fax

Owner's interest in the site of the improvements (if other than fee simple title holder): Fee Simple

Name of fee simple title holder (if other than owner): N/A

Contractor: H.A.S. Builder, Inc. (EIN 65-0111088
9170 SE 2nd Street Road, Trenton, FL 32693
Phone: (386) 454-0627 Fax: (352) _____

Surety on any payment bond: _____ (Name)
_____ (Address)
( ) _____ (Phone) ( ) _____ (Fax)

Name of any Lender making a loan for the construction of the improvements:
Florida Capital Bank, N.A. Robert S. Johnson, President (Name)
5010 W. Newberry Road, Suite C, Gainesville, FL 32607 (Address)
(352) 692-5289 (Phone) (352) 692-5281 (Fax)

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)
_____ (Address)
( ) _____ (Phone) ( ) _____ (Fax)

In addition to himself, owner designates the following person to receive a copy of the lienor's notice as provided in Section 713.13(1)(b), Florida Statutes:
_____ (Name)
_____ (Address)
_____ (Phone) _____ (Fax)

This Notice of Commencement shall Expire One Year from date of recording.

Roundtable Group, LLC, a Florida limited liability company Document #L05000054994

By: _____
Thomas P. McIntosh, Jr., Managing Member

Inst:2006023845 Date:10/05/2006 Time:11:19
DC,P.DeWitt Cason,Columbia County B:1098 P:727

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 3rd day of October, 2006, by Thomas P. McIntosh, Jr. Managing Member of Roundtable Group, LLC, a Florida limited liability company Document #L05000054994, who ( ) is/are personally known to me or who ( ) presented _____ as identification and who executed on behalf of the limited liability company.

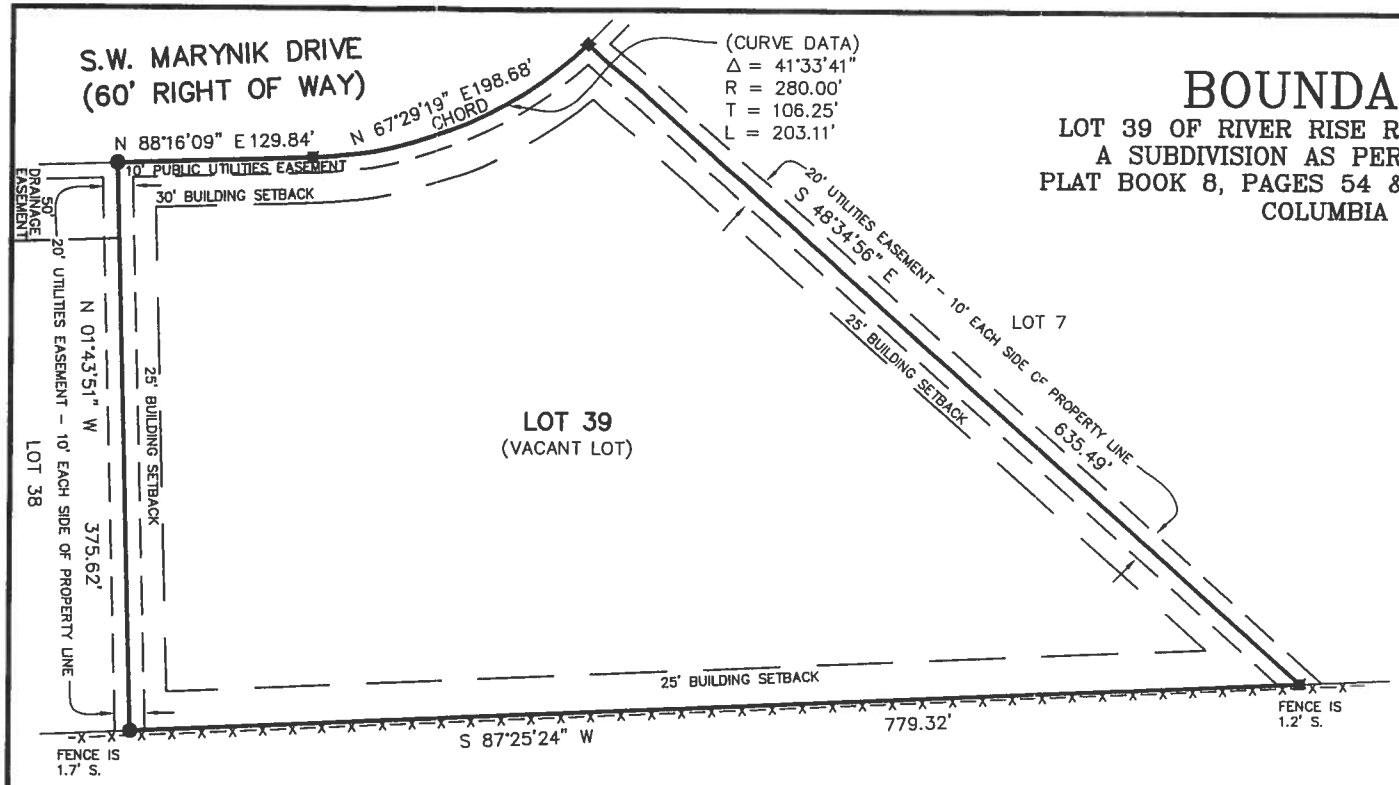
_____
Notary Public State of Florida
My Commission Expires:

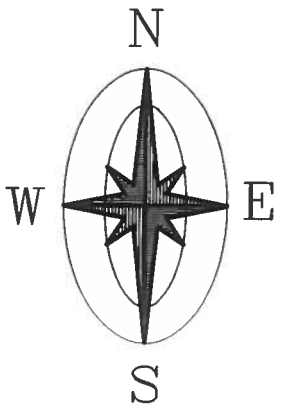
Philip A. DeLaney
Commission # DD507269
Expires April 18, 2010
Bonded Thru Fain Insurance Inc 800-385-7019

(NOTARY SEAL)

BOUNDARY SURVEY

LOT 39 OF RIVER RISE RESIDENTIAL SUBDIVISION, UNIT 2,
A SUBDIVISION AS PER PLAT THEREOF RECORDED IN
PLAT BOOK 8, PAGES 54 & 55 OF THE PUBLIC RECORDS OF
COLUMBIA COUNTY, FLORIDA





GRAPHIC SCALE: 1" = 100'

LEGEND

- ■ = FOUND 4" x 4" CONCRETE MONUMENT 'LB 6685'
- ● = FOUND 5/8" REBAR & CAP 'LB 6685'
- ○ = SET 1/2" REBAR AND CAP 'PLS 4789'
- ø = POWER POLE
- OHPL = OVERHEAD POWER LINE
- −□− = WOOD FENCE
- −x− = WIRE FENCE
- Δ = DELTA
- R = RADIUS
- T = TANGENT
- L = ARC LENGTH
- Ⓦ = 4" WATER WELL

FLOOD CERTIFICATION

THE LOT SHOWN HEREON LIES WITHIN ZONE 'X' AS DESIGNATED ON THE FLOOD INSURANCE RATE MAP PANEL 120070-0280 B OF 290 FOR COLUMBIA COUNTY FLORIDA. SAID MAP DESCRIBES ZONE 'X' AS BEING AREAS OUTSIDE 500-YEAR FLOOD.

EFFECTIVE DATE 1-06-1988

CERTIFIED TO:

ROUNDTABLE GROUP, LLC,
FLORIDA CAPITAL BANK,
PROFESSIONALS' TITLE COMPANY, LLC,
CENSTAR TITLE INSURANCE COMPANY

I HEREBY CERTIFY THAT A SURVEY OF THE HEREON DESCRIBED LAND WAS MADE UNDER MY RESPONSIBLE DIRECTION AND THAT THIS IS A TRUE AND CORRECT REPRESENTATION THEREOF TO THE BEST OF MY KNOWLEDGE AND BELIEF AND FURTHER THAT THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS IN CHAPTER 61G17-6 FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

NOTES:

1. BEARINGS BASED ON SAID RECORD PLAT DATUM FOR S.W. MARYNIK DRIVE.
2. NO UNDERGROUND INSTALLATIONS OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS NOTED.
3. NO INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS OF WAY, AND OR OWNERSHIP WERE FURNISHED TO THIS SURVEYOR EXCEPT AS SHOWN.

TYPE SURVEY	FIELD WORK COMPLETED	DRAWING COMPLETED	PROJECT NO.	FIELD BOOK	PAGE
BOUNDARY SURVEY	10-31-06	11-01-06	06-204	63	43
FOUNDATION SURVEY					
FINAL SURVEY					

DAVID D. PARRISH LAND SURVEYING, INC.
12606 N.W. 142nd TERRACE, ALACHUA FL 32615 (386)462-5427
FAX (386)462-7789
DAVID D. PARRISH, P.L.S.
Registered Florida Land Surveyor No. 4789

11-01-06
Date Signed

RESIDENTIAL WIND DESIGN & ANALYSIS

FBC SECTION 1609 \ ***NO COPIES ARE TO BE PERMITTED***

PREPARED FOR:

H. A. S. BUILDERS

PREPARED BY:

MARTY R. ESKRIDGE
14952 MAIN ST
ALACHUA FL 32615
386-462-1340 / 352-375-6329

SUMMARY
OF WIND DESIGN & ANALYSIS

Trusses: Lumber type So. Pine Grade #1 #2 #3 Size 2 x 4 Spacing 24 in.

Roof sheathing: Type OSB Size 7/16 Fastener type Nails Size 8d/131 GA
Interior zone spacing: Interior 8 in. Periphery 4 in.
Edge and end zone spacing: Interior 8 in. Periphery 4 in.

Top double pl: Type Spruce Grade #1 #2 Size 2 x 4 Nail spacing 12 in.

Studs: Wood or Steel: Wood Type Spruce Grade #1 #2 Size 2 x 4
Interior stud spacing 16 in. Composite (yes or no) Y
End stud spacing 16 in. Composite (yes or no) Y

Shearwall siding: Type OSB Thickness 7/16 in.
66' — Trans: Fastener 8d / 131 Spacing: Int 8 in. Edge 4 in.
77' — Long: Fastener 8d / 131 Spacing: Int 8 in. Edge 4 in.

Allowable unit shear on shearwalls: 325 **pounds per linear foot**

Wall tension transferred by: Siding nails 8d/131 @ 4 O.C. edges

Foundation anchor bolts: Concrete strength 3000 psi
Size 1/2 in. Shape L Washer 2" Embedment 7 in.
Location of first anchor bolt from corner 8 in.

Anchor Bolts @ 48" O.C. Model A307 Loc. from corner 8 in.

Type of foundation: 1 #5 rebar continuous required in bond beam.

Floor slab 4 in. CMU: Size 8 x 16 in. Height 24 in. Reinf. # 5 at 96 in.
Monolithic footing: Depth 20 in. Bottom width 12 in. 2/14/07

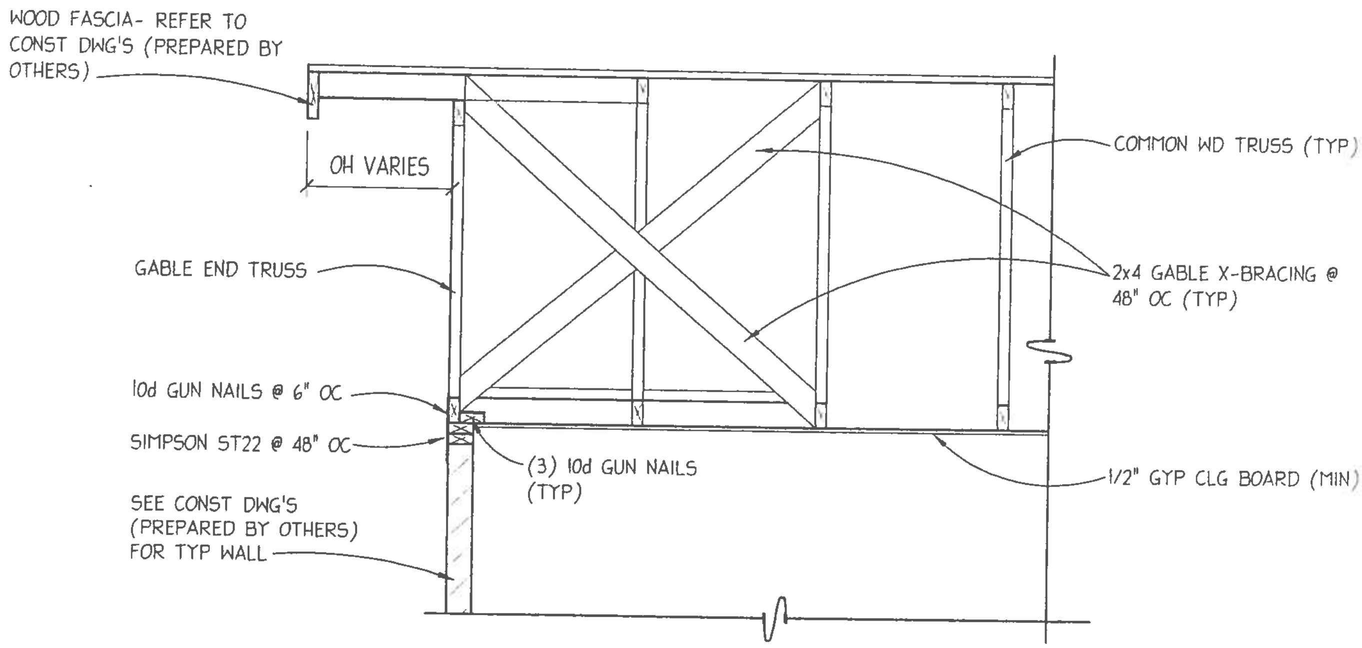
Footing: Width 20 in. Depth 10 in. Reinforcing 2 --# 5 bars
Interior Footings: 16" W X 10" D

Porch Columns: 4X4X 9' 54 #2 ST @ 120" o.c.

Porch Column Fasteners: Simpson CBS44/CC44 OR EQUAL

NOTE:
1. Balloon frame ALL gable ends unless this summary is accompanied by Gable End Wall Brace detail.
2. All trusses must bear on exterior walls & porch beams.
3. All walls to be nailed with same nailing pattern as shearwalls.
4. This is a windload only, NOT a structural analysis.
5. This windload is not valid without a raised, embossed seal.
6. It is assumed that ideal soil conditions and pad preparations are provided.
7. Fiber mesh or WWM may be used in concrete slab.
8. Trusses must be anchored and supported in accordance to the truss engineering.
9. Wind design and analysis valid for one use only, no copies permitted.
10. The foundation is for minimum design use and may be increased.
11. All headers over 12 feet to be pre-engineered.

AM001305
8/30/06



THIS WIND ANALYSIS ASSUMES IDEAL SOIL CONDITIONS W/MIN 2500 PSI SOIL BRG CAPACITY & 95% DRY PROCTOR DENSITIES

GABLE END DETAIL

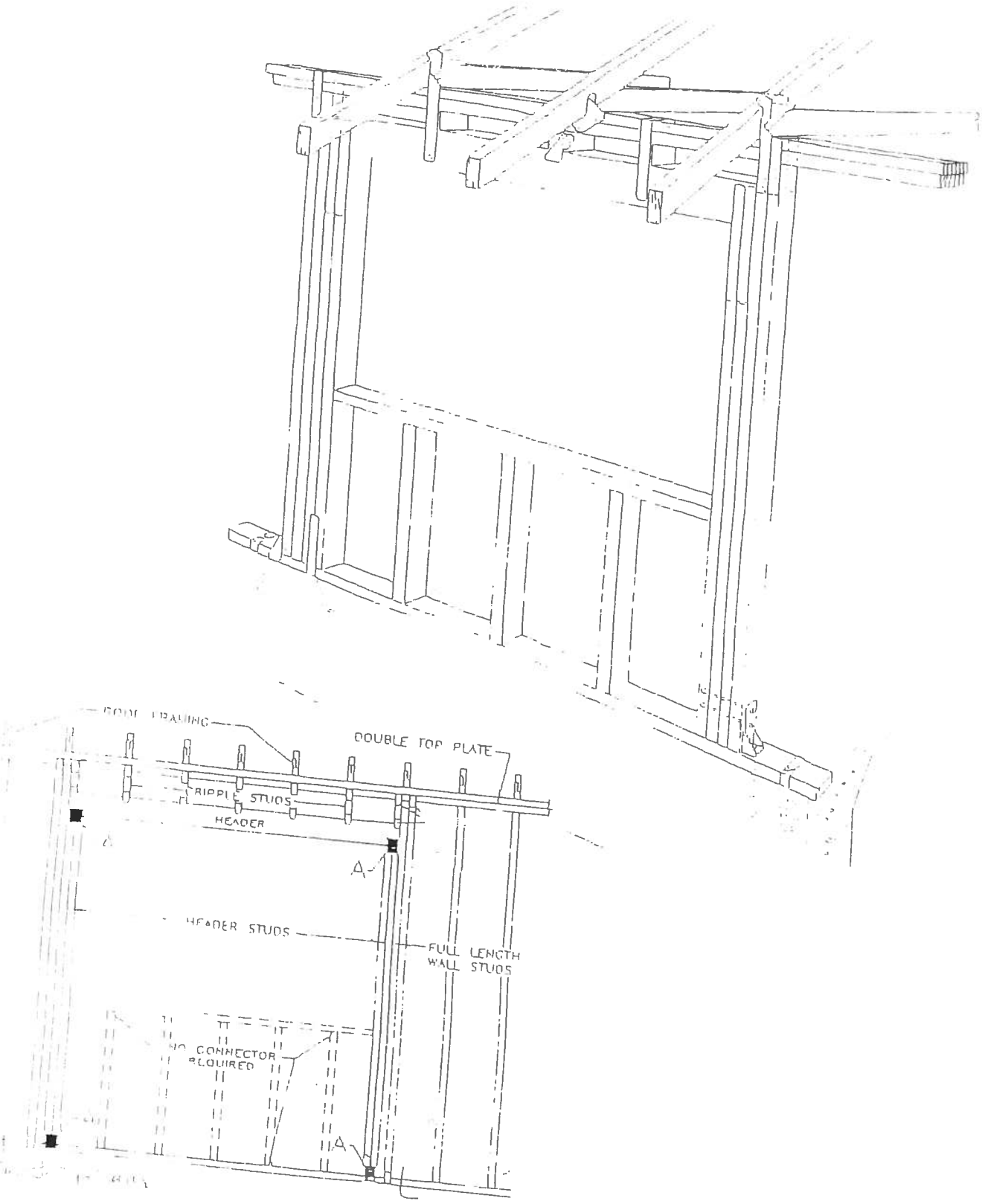
SCALE: 1/2" = 1'-0"

NOTE:
INSTALL AND ERECT ALL TRUSS MEMBERS IN STRICT CONFORMANCE WOTH THE PRE-ENGINEERED ROOF TRUSS MANUFACTURERS ERECTION SHEET ACCOMPANYING THE TRUSS PACKAGE. IF NOT AVAILABLE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE SUPPLIER TO OBTAIN ERECTION & BRACING SHEET.

8/30/06

O:\SUPPORT\DETAILS\WINDLOADS\02-GABLE END.DWG 06/22/06 15:27

TYPICAL GABLE END DETAILS	PAUL STRESING ASSOCIATES, INC. 14617 MAIN STREET ALACHUA, FLORIDA 32615	DRAWN BY CAD DATE 2006 PROJECT FILE WINDLOADS	SHEET NO. OF



Total each truss uplift on the header divide by 2 for header anchorage

TIE-DOWN TABLES

HEADERS				
Uplift Force Lbs	Top Connector **	Rating Lbs	Bottom Connector **	Rating Lbs
to 455	LSTA9	725	H3	455
to 910	LSTA12	905	2-H3	910
to 1265	LSTA18	1265	LTT19	1350
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2565
to 2865	3-LSTA18	3255	HD2A-3.5	2865
to 3700	3-LSTA24	3880	HD5A-3	3700
Total uplift for each truss resting on the header and divide by 2 to determine the uplift force. Use proper bolt anchors sufficient to support required load.				

TRUSSES/GIRDERS		
Uplift Force Lbs	Top Connector **	Bottom Connector **
to 500	H2.5	N/A
501-1049	H10	N/A
1050-1350	TS22	LTT19
1351-1750	2-TS22	LTT20
1751-2570	2-TS22	HD2A
2571-3665	3-TS22	HD5A
3666-5260	2-MST148	HTT22
5261-8300	2-MST48	HD10A
Two 12d common toenails are required per truss/rafter per bearing point into plate. Use proper bolt anchors. Strap rafters to truss or at each end with minimum uplift resistance of 450# each end. Strap ridge beam at each end with minimum uplift resistance of 1000#. It is the contractors responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation.		

	Top Connector **	Rating Lbs	Bottom Connector **	Rating
BEAM SEATS	LSTA18*	1200	LTT19*	1250
POSTS (max 17' spacing)	2-LSTA18	2400	ABU44	2300
*or per truss engineering Use proper bolt anchors All beams to be sheathed or strapped to Double Top Plate when applicable.				

CRIPPLES	Sheathing nailing alone adequate w/8d nails @ 3" O.C.

STUDS
Wall sheathing nailing Adequate exterior walls bottom w/8d nails @ 3" O.C.
Wall sheathing nailing Adequate exterior walls top w/8d nails @ 3" O.C., as long as sheathing covers top plate, otherwise use SP2 @ 32" O.C. in addition to sheathing nailing.
Use SP2 top and SP1 bottom each stud for all interior load bearing walls and anchor bolts @ 32" O.C.
Interior anchor bolts to be ½" x 8" A307 or ½" x 6" wedge anchor or equivalent.

** Equivalent Simpson hardware, or other manufacturer, may be substituted for any of the hardware specified on this page as long as it meets the required load capacities/uplift resistance.
NOTE: For nailing into SPF members, multiply table values by .86

ASCE 7-02

8/28/06

Wind Load Design per ASCE 7-02

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	26.6	Deg
Type of Roof	Hipped	
Eave Height (Eht)	9.00	ft
Ridge Height (RHt)	19.43	ft
Mean Roof Height (Ht)	15.18	ft
Width Perp. to Wind (B)	71.00	ft
Width Parallel to Wind (L)	84.00	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.21
Flexible Structure	No

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.8835	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8562	
Gust Factor Category III: Flexible or Dynamically Sensitive Structures			
Vhref	V*(5280/3600)	161.33	ft/s
Vzm	bm*(zm/33)^Am*Vhref	70.89	ft/s
NF1	NatFreq*Lzm/Vzm	4.37	Hz
Rn	(7.47*NF1)/(1+10.302*NF1)^1.667	0.0552	
Nh	4.6*NatFreq*Ht/Vzm	0.99	
Nb	4.6*NatFreq*B/Vzm	4.61	
Nd	15.4*NatFreq*Depth/Vzm	18.25	
Rh	1/Nh-(1/(2*Nh^2)*(1-Exp(-2*Nh)))	0.5717	
Rb	1/Nb-(1/(2*Nb^2)*(1-Exp(-2*Nb)))	0.1935	
Rd	1/Nd-(1/(2*Nd^2)*(1-Exp(-2*Nd)))	0.0533	
RR	((1/Beta)*Rn*Rh*Rb*(0.53+0.47*Rd))^0.5	0.5821	
gg	+(2*LN(3600*n1))^0.5+0.577/(2*LN(3600*n1))^0.5	4.19	
Gust3	0.925*((1+1.7*Izm*(3.4^2*Q^2+GG^2*RR^2)^0.5)/(1+1.7*3.4*Izm))	1.01	

Gust Factor Summary			
Main Wind-force resisting system:		**Components and Cladding:**	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.86	Gust Factor (G)	0.86

ASCE 7-02

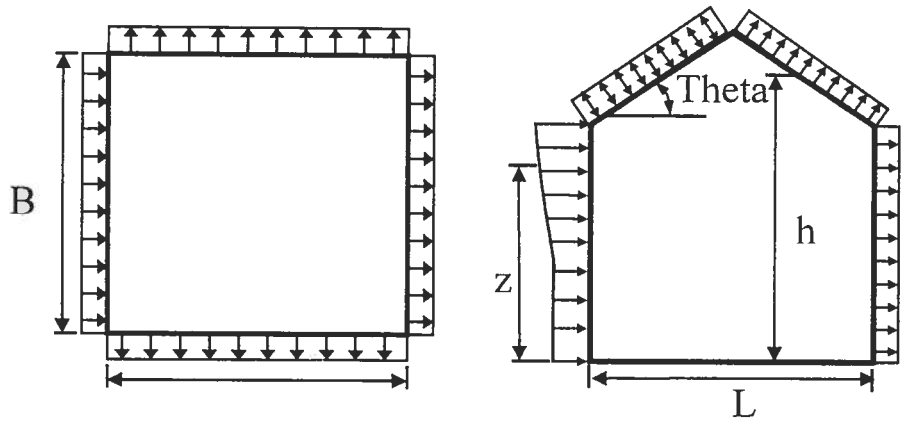
Wind Load Design per ASCE 7-02

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev. ft	Kz	Kzt	Kd 1.00	qz lb/ft^2	Pressure (lb/ft^2) Windward Wall* +GCpi	-GCpi
19.43	0.70	1.00	1.00	21.70	11.65	18.08
15.18	0.70	1.00	1.00	21.70	11.65	18.08
15	0.70	1.00	1.00	21.70	11.65	18.08

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(Ht/zg)^(2/Alpha)	0.58	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*ImpFac*Kh*Kht*Kd	17.86	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.80

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Description	Cp	Pressure (psf) +GCpi	-GCpi
Leeward Walls (Wind Dir Parallel to 71 ft wall)	-0.46	-10.30	-3.87
Leeward Walls (Wind Dir Parallel to 84 ft wall)	-0.50	-10.86	-4.43
Side Walls	-0.70	-13.92	-7.49
Roof - Normal to Ridge (Theta>=10)			
Windward - Max Negative	-0.20	-6.27	0.16
Windward - Max Positive	0.30	1.37	7.80
Leeward Normal to Ridge	-0.60	-12.39	-5.96
Overhang Top	-0.20	-3.06	-3.06
Overhang Bottom	0.80	0.68	0.68
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 7.59 ft	-0.90	-16.98	-10.55
Dist from Windward Edge: 7.59 ft to 15.18 ft	-0.90	-16.98	-10.55

ASCE 7-02

Wind Load Design per ASCE 7-02

Dist from Windward Edge: 15.18 ft to 30.36 ft	-0.50	-10.86	-4.43
Dist from Windward Edge: > 30.36 ft	-0.30	-7.80	-1.37

* Horizontal distance from windward edge

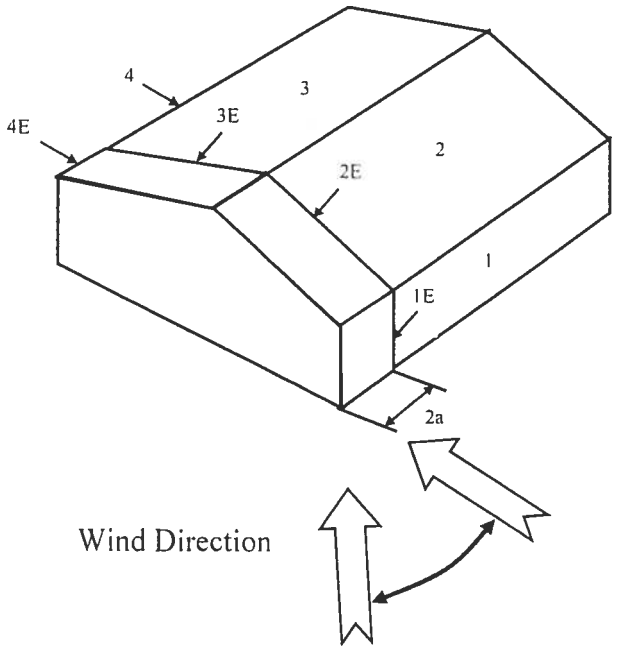
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.58
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.86

Case A						
Surface	**GCpf**	**+GCpi**	**-GCpi**	**qh (psf)**	**Min P (psf)**	**Max P (psf)**
1	0.55	0.18	-0.18	21.70	8.03	15.84
2	-0.10	0.18	-0.18	21.70	-5.99	1.82
3	-0.45	0.18	-0.18	21.70	-13.61	-5.79
4	-0.39	0.18	-0.18	21.70	-12.38	-4.57
5	0.00	0.18	-0.18	21.70	-3.91	3.91
6	0.00	0.18	-0.18	21.70	-3.91	3.91
1E	0.73	0.18	-0.18	21.70	11.88	19.69
2E	-0.19	0.18	-0.18	21.70	-7.93	-0.12
3E	-0.58	0.18	-0.18	21.70	-16.59	-8.78
4E	-0.53	0.18	-0.18	21.70	-15.50	-7.69
5E	0.00	0.18	-0.18	21.70	-3.91	3.91
6E	0.00	0.18	-0.18	21.70	-3.91	3.91

* p = qh * (GCpf - GCpi)



ASCE 7-02

Wind Load Design per ASCE 7-02

Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.58
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.86

Case B						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	-0.45	0.18	-0.18	21.70	-13.67	-5.86
2	-0.69	0.18	-0.18	21.70	-18.88	-11.07
3	-0.37	0.18	-0.18	21.70	-11.94	-4.12
4	-0.45	0.18	-0.18	21.70	-13.67	-5.86
5	0.40	0.18	-0.18	21.70	4.77	12.59
6	-0.29	0.18	-0.18	21.70	-10.20	-2.39
1E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
2E	-1.07	0.18	-0.18	21.70	-27.13	-19.31
3E	-0.53	0.18	-0.18	21.70	-15.41	-7.60
4E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
5E	0.61	0.18	-0.18	21.70	9.33	17.14
6E	-0.43	0.18	-0.18	21.70	-13.24	-5.43

* p = qh * (GCpf - GCpi)

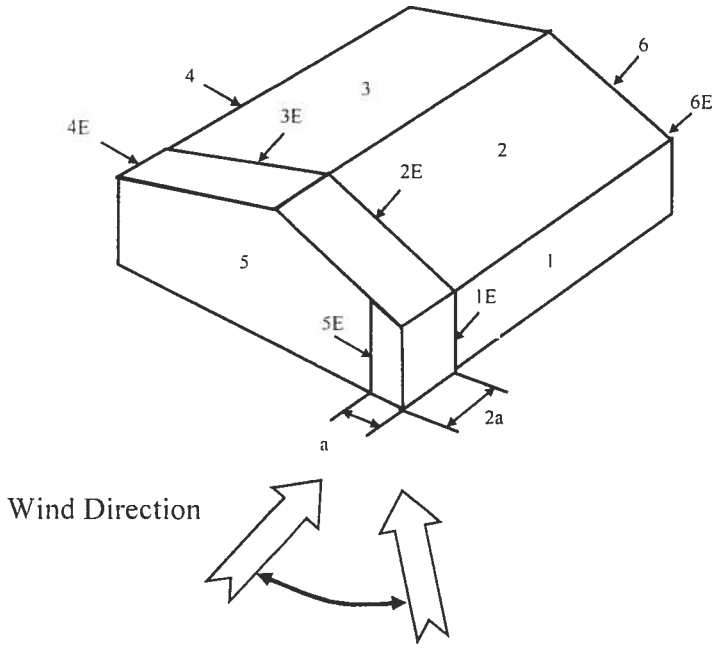


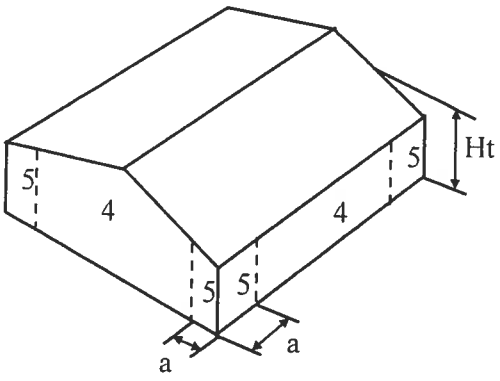
Figure 6-5 - External Pressure Coefficients, GCp

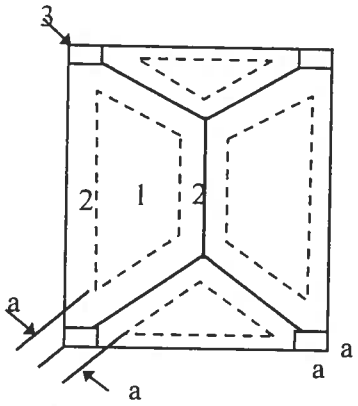
ASCE 7-02

8/28/06

Wind Load Design per ASCE 7-02

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Hipped Roof

10 < Theta <= 30

a = 6.072 ==> 6.07 ft

Component	Width (ft)	Length (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
	16	7	112.00	5	0.81	-1.03	17.77	-21.60
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi

ASCE 7-02

Wind Load Design per ASCE 7-02

	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

Table 6-8 External Pressure Coefficients for Arched Roofs, Cp

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	Cp		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	Cp	0.13	-1	-0.5
	P (+GCpi) - psf	-1.30	-18.51	-10.86
	P (-GCpi) -psf	5.13	-12.08	-4.43
Roof Springing from Ground	Cp	0.42	-1	-0.5
	P (+GCpi) - psf	3.21	-18.51	-10.86
	P (-GCpi) -psf	3.21	-18.51	-10.86

Table 6-9 Force Coefficients for Monoslope Roofs over Open Buildings, Cf

Variable	Description	Value	
L	Roof dimension normal to wind direction	84.00	ft
B	Roof dimension parallel to wind direction	71.00	ft
L/B	Ratio of L to B	1.183	
Theta	Slope of Roof	26.6	Deg
Cf	Force Coefficient	1.17	
X	Distance to center of pressure from windward edge	0.41	ft

ASCE 7-02

Wind Load Design per ASCE 7-02

	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

Table 6-8 External Pressure Coefficients for Arched Roofs, Cp

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	Cp		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	Cp	0.13	-1	-0.5
	P (+GCpi) - psf	-1.30	-18.51	-10.86
	P (-GCpi) -psf	5.13	-12.08	-4.43
Roof Springing from Ground	Cp	0.42	-1	-0.5
	P (+GCpi) - psf	3.21	-18.51	-10.86
	P (-GCpi) -psf	3.21	-18.51	-10.86

Table 6-9 Force Coefficients for Monoslope Roofs over Open Buildings, Cf

Variable	Description	Value	
L	Roof dimension normal to wind direction	84.00	ft
B	Roof dimension parallel to wind direction	71.00	ft
L/B	Ratio of L to B	1.183	
Theta	Slope of Roof	26.6	Deg
Cf	Force Coefficient	1.17	
X	Distance to center of pressure from windward edge	0.41	ft

Newberry

8:20 Date 4/30/07

SITE LOCATION #25393

Block # Permit # 25393

vision River Ridge

ss 523 SW Marymik Dr

of Chemical Applied Bifenthrin 535.1607 Used .06 %

Treated 3712 sq ft 308 LN ft

ıs Used 558 gal

rks Supported Slab

r - White Permit File - Canary Permit Holder - Pink

M 1043

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 16-7S-17-10006-001 **Building permit No.** 000025393

Use Classification SFD,UTILITY **Fire:** 57.78

Permit Holder ROBERT BETTERTON **Waste:** 150.75

Owner of Building ROUNDTABLE GROUP. LLC **Total:** 208.53

Location: 523 SW MARYNIK DRIVE HIGH SPRINGS, FL

Date: 01/04/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**HASB - River Rise Spec**	Builder:	Robert Betterton
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	25393
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

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?	Yes	
6.	Conditioned floor area (ft²)	2470 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 Default) 394.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 394.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 276.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1989.0 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 225.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 2511.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 160.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 60.0 kBtu/hr	
		SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 60.0 kBtu/hr	
		HSPF: 8.50	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 60.0 gallons	
		EF: 0.90	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.16

Total as-built points: 28302
Total base points: 34071

PASS

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

PREPARED BY: _____

DATE: 8-22-00

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: , , , 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	2470.0	20.04	8909.8	Double, Clear	SE	0.0	0.0	112.0	42.75	1.00	4788.3	
				Double, Clear	SW	0.0	0.0	103.0	40.16	1.00	4136.3	
				Double, Clear	NW	0.0	0.0	60.0	25.97	1.00	1558.4	
				Double, Clear	NE	0.0	0.0	119.0	29.56	1.00	3517.1	
				As-Built Total:				**394.0**			**14000.1**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	225.0	0.70	157.5	Frame, Wood, Exterior			13.0	1989.0	1.50		2983.5	
Exterior	1989.0	1.70	3381.3	Frame, Wood, Adjacent			13.0	225.0	0.60		135.0	
Base Total:	**2214.0**		**3538.8**	**As-Built Total:**				**2214.0**			**3118.5**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	18.0	2.40	43.2	Adjacent Insulated				18.0	1.60		28.8	
Exterior	0.0	0.00	0.0									
Base Total:	**18.0**		**43.2**	**As-Built Total:**				**18.0**			**28.8**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	2470.0	1.73	4273.1	Under Attic			30.0	2511.0	1.73 X 1.00		4344.0	
Base Total:	**2470.0**		**4273.1**	**As-Built Total:**				**2511.0**			**4344.0**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	276.0(p)	-37.0	-10212.0	Slab-On-Grade Edge Insulation			0.0	276.0(p	-41.20		-11371.2	
Raised	0.0	0.00	0.0									
Base Total:			**-10212.0**	**As-Built Total:**				**276.0**			**-11371.2**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	2470.0	10.21	25218.7					2470.0	10.21		25218.7	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 31771.6			**Summer As-Built Points:**					**35338.9**
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 60000 btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Int(AH),R6.0(INS)					
			35339	1.00	(1.00 x 1.147 x 0.91)	0.263	1.000	9683.9
31771.6	**0.4266**	**13553.8**	**35338.9**	**1.00**	**1.044**	**0.263**	**1.000**	**9683.9**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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	2470.0	12.74	5664.2	Double, Clear	SE	0.0	0.0	112.0	14.71	1.00	1647.0	
				Double, Clear	SW	0.0	0.0	103.0	16.74	1.00	1723.8	
				Double, Clear	NW	0.0	0.0	60.0	24.30	1.00	1457.8	
				Double, Clear	NE	0.0	0.0	119.0	23.57	1.00	2804.6	
				As-Built Total:				**394.0**			**7633.1**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	225.0	3.60	810.0	Frame, Wood, Exterior			13.0	1989.0	3.40		6762.6	
Exterior	1989.0	3.70	7359.3	Frame, Wood, Adjacent			13.0	225.0	3.30		742.5	
Base Total:	**2214.0**		**8169.3**	**As-Built Total:**				**2214.0**			**7505.1**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	18.0	11.50	207.0	Adjacent Insulated				18.0	8.00		144.0	
Exterior	0.0	0.00	0.0									
Base Total:	**18.0**		**207.0**	**As-Built Total:**				**18.0**			**144.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	2470.0	2.05	5063.5	Under Attic			30.0	2511.0	2.05 X	1.00	5147.5	
Base Total:	**2470.0**		**5063.5**	**As-Built Total:**				**2511.0**			**5147.5**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	276.0(p)	8.9	2456.4	Slab-On-Grade Edge Insulation			0.0	276.0(p	18.80		5188.8	
Raised	0.0	0.00	0.0									
Base Total:			**2456.4**	**As-Built Total:**				**276.0**			**5188.8**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	2470.0	-0.59	-1457.3					2470.0	-0.59		-1457.3	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**20103.1**	**Winter As-Built Points:**					**24161.3**
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 60000 btuh ,EFF(8.5) Ducts:Con(S),Con(R),Int(AH),R6.0					
			24161.3	1.000	(1.000 x 1.169 x 0.93)	0.401	1.000	10537.9
20103.1	**0.6274**	**12612.7**	**24161.3**	**1.00**	**1.087**	**0.401**	**1.000**	**10537.9**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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	60.0	0.90	3	1.00	2693.56	1.00	8080.7	
				As-Built Total:						**8080.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
13554	**12613**	**7905**	**34071**	**9684**	**10538**	**8081**	**28302**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.3

The higher the score, the more efficient the home.

1.	New construction or existing	New		12.	Cooling systems
2.	Single family or multi-family	Single family		a.	Central Unit	Cap: 60.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	3		b.	N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	2470 ft²		c.	N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
a.	U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 394.0 ft²		a.	Electric Heat Pump	Cap: 60.0 kBtu/hr
b.	SHGC:					HSPF: 8.50
	(or Clear or Tint DEFAULT)	7b. (Clear) 394.0 ft²		b.	N/A	
8.	Floor types					
a.	Slab-On-Grade Edge Insulation	R=0.0, 276.0(p) ft		c.	N/A	
b.	N/A					
c.	N/A			14.	Hot water systems	
9.	Wall types			a.	Electric Resistance	Cap: 60.0 gallons
a.	Frame, Wood, Exterior	R=13.0, 1989.0 ft²				EF: 0.90
b.	Frame, Wood, Adjacent	R=13.0, 225.0 ft²		b.	N/A	
c.	N/A					
d.	N/A			c.	Conservation credits	
e.	N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 2511.0 ft²		15.	HVAC credits	
b.	N/A				(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
a.	Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 160.0 ft			MZ-C-Multizone cooling,	
b.	N/A				MZ-H-Multizone heating)	

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.