

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0709-48 Date Received 9/14/07 By GP Permit # 1454/ 26271
Application Approved by - Zoning Official B2K Date 25/09/07 Plans Examiner OK JTH Date 9-17-07
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments Finished Floor to be 1 ft above the Rd
Ext, 9/14, received - need more

Applicants Name RODGER BUTLER Phone 386-754-3664
Address 206 SW CAVALRY PLACE LAKE CITY FL 32025
Owners Name RODGER BUTLER Phone 386-754-3664
911 Address 140 SW BLOOMINGTON TER, LAKE CITY FL 32025
Contractors Name BUTLER BUILDERS LLC Phone 386-916-3261
Address 206 SW CAVALRY PLACE LAKE CITY FL 32025
Fee Simple Owner Name & Address n/a
Bonding Co. Name & Address n/a
Architect/Engineer Name & Address n/a
Mortgage Lenders Name & Address n/a
Circle the correct power company - FL Power & Light Clay Elec. Suwannee Valley Elec. Progressive Energy
Property ID Number 22-55-17-09340-052 Estimated Cost of Construction 35,000.00
Subdivision Name MASON CITY Lot Block 43 Unit Phase
Driving Directions 415 TO MASON CITY. TURN RIGHT ON TURNER ST. PROCEED TO END. TURN LEFT ON BLOOMINGTON. PROPERTY ON

Type of Construction WOODFRAME SFD Number of Existing Dwellings on Property 0
Total Acreage .72 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 100 Side 30 Side 32 Rear 168
Total Building Height 18 FT Number of Stories 1 Heated Floor Area 1356 Roof Pitch 7/12
TOTAL 1572

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

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 14 day of September 2007

Personally known or Produced Identification FL DL

Contractor Signature

Contractors License Number RR 282811327

Competency Card Number 5739

NOTARY STAMP/SEAL

Notary Signature



B 346-734-59-391-0

Exp 10-31-2012

TW TAKEN W/ RANGER AT 12:50 PM



0709-48

Prepared by and return to:
Susan Shattler

Home Town Title of North Florida
2744 US Highway 90 West
Lake City, FL 32055
386-754-7175
File Number: 2007-3006

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 12th day of September, 2007 between **David Cheesman, a married man** whose post office address is **2636 High Ridge Drive, Lakeland, FL 33813**, grantor, and **Rodger N. Butler, a single man** whose post office address is **206 SW Cavalry Place, Lake City, FL 32025**, grantee:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) 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 and assigns forever, the following described land, situate, lying and being in **Columbia County, Florida** to-wit:

The S ½ of the middle 1/3 of Block 43, Mason City Subdivision, a subdivision recorded in Plat Book 1, page 31, public records of Columbia County, Florida. Also known as the N 1/3 of the S ½ of Block 43, Mason City Subdivision, according to the plat thereof recorded in Plat Book 1, page 31, public records of Columbia County, Florida.

Parcel Identification Number: R09340-052

Grantor warrants that at the time of this conveyance, the subject property is not the Grantor's homestead within the meaning set forth in the constitution of the state of Florida, nor is it contiguous to or a part of homestead property. Grantor's residence and homestead address is: 2636 High Ridge Drive, Lakeland FL, 33813.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to **December 31, 2006**.

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:

Susan Shattler
Witness Name: Susan Shattler

Amy L. Fraddosio
Witness Name: Amy L. Fraddosio

David Cheesman (Seal)
David Cheesman

State of Florida
County of Columbia

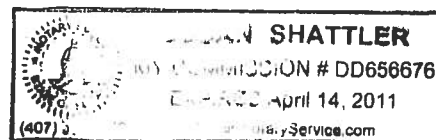
The foregoing instrument was acknowledged before me this 12th day of September, 2007 by David Cheesman, who ☐ is personally known or ☒ has produced a driver's license as identification.

[Notary Seal]

Susan Shattler
Notary Public

Printed Name: Susan Shattler

My Commission Expires: _____





STATE OF FLORIDA
DEPARTMENT OF HEALTH

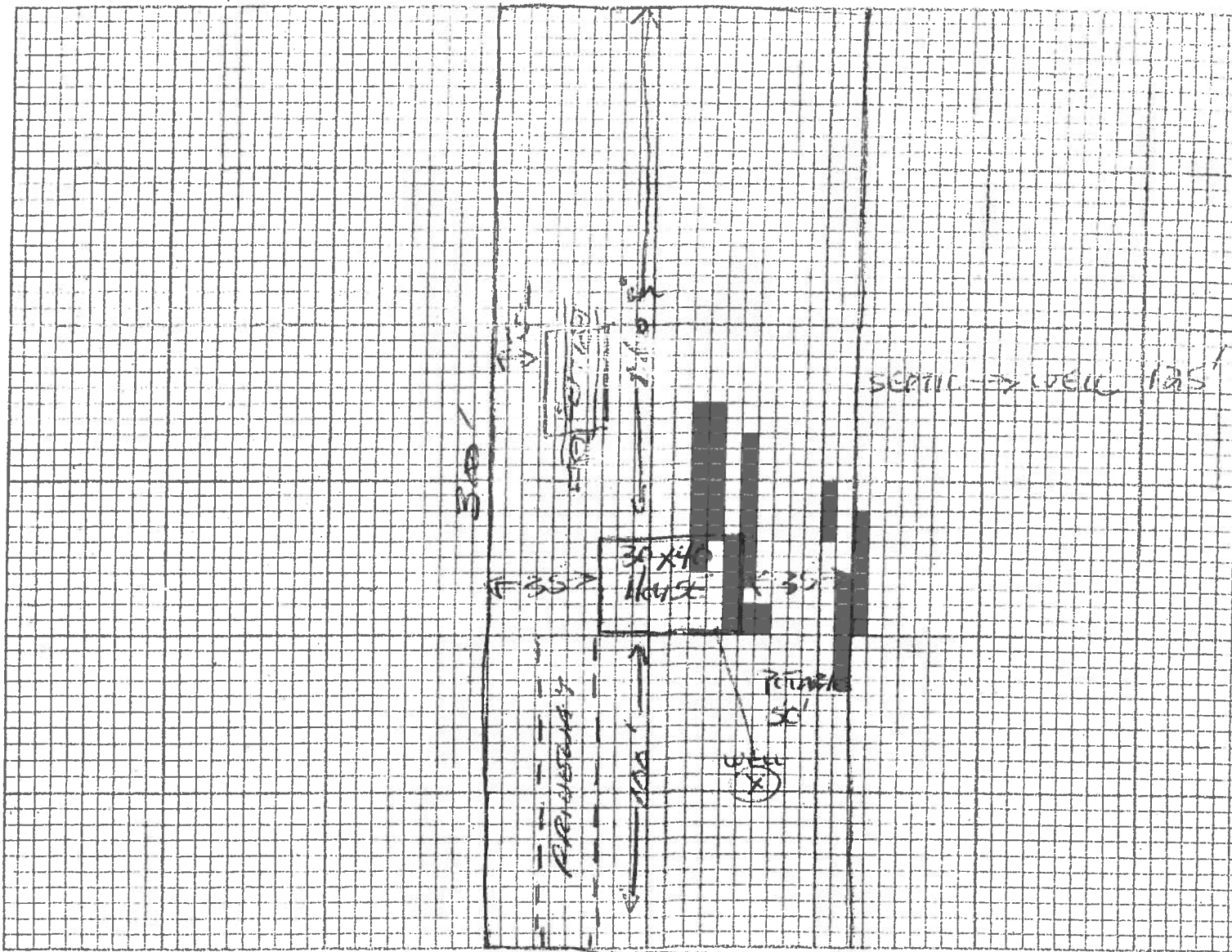
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-665

PART II - SITE PLAN

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

110'



Notes:

Site Plan submitted by:

X Rodgers Burton
Signature

Plan Approved X

Not Approved _____

By

Salhi Ford ESII

Agent
Title

Date 9-11-0

Columbia CHD

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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: 9/4/2007 DATE ISSUED: 9/5/2007

ENHANCED 9-1-1 ADDRESS:

140 SW BLOOMINGTON TER

LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

22-5S-17-09340-052

Remarks:

S1/2 OF MIDDLE 1/3 OF BLOCK 43 MASON CITY.

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.

942

Approved Address

SEP 05 2007

911Addressing/GIS Dept

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **709062ButlerRodger**
Address: **140 Bloomington Terr.**
City, State: **, FL**
Owner: **Spec House**
Climate Zone: **North**

Builder: *Rodger Butler*
Permitting Office: *Columbia*
Permit Number: *26271*
Jurisdiction Number: *220000*

- | | | |
|---------------------------------------------------------------------------------|------------------------------|-----|
| 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) | 1356 ft² | ___ |
| 7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default) | | ___ |
| a. U-factor: | Description Area | |
| (or Single or Double DEFAULT) | 7a. (Dble Default) 108.0 ft² | ___ |
| b. SHGC: | | ___ |
| (or Clear or Tint DEFAULT) | 7b. (Clear) 108.0 ft² | ___ |
| 8. Floor types | | ___ |
| a. Slab-On-Grade Edge Insulation | R=0.0, 168.0(p) ft | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 9. Wall types | | ___ |
| a. Frame, Wood, Exterior | R=13.0, 1196.0 ft² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| d. N/A | | ___ |
| e. N/A | | ___ |
| 10. Ceiling types | | ___ |
| a. Under Attic | R=30.0, 1356.0 ft² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 11. Ducts | | ___ |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 120.0 ft | ___ |
| b. N/A | | ___ |

- | | | |
|----------------------------------------|-------------------|-----|
| 12. Cooling systems | | |
| a. Central Unit | Cap: 27.0 kBtu/hr | ___ |
| | SEER: 13.00 | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 13. Heating systems | | |
| a. Electric Heat Pump | Cap: 27.0 kBtu/hr | ___ |
| | HSPF: 7.90 | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 14. Hot water systems | | |
| a. Electric Resistance | Cap: 40.0 gallons | ___ |
| | EF: 0.93 | ___ |
| b. N/A | | ___ |
| c. Conservation credits | | ___ |
| (HR-Heat recovery, Solar | | ___ |
| DHP-Dedicated heat pump) | | ___ |
| 15. HVAC credits | | ___ |
| (CF-Ceiling fan, CV-Cross ventilation, | | ___ |
| HF-Whole house fan, | | ___ |
| PT-Programmable Thermostat, | | ___ |
| MZ-C-Multizone cooling, | | ___ |
| MZ-H-Multizone heating) | | ___ |

Glass/Floor Area: 0.08

Total as-built points: 18300

Total base points: 22302

PASS

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

PREPARED BY: *[Signature]*

DATE: *2-10-07*

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: 140 Bloomington Terr., , FL,

PERMIT #:

| BASE | | | | AS-BUILT | | | | | | | |
|-------------------------------------------------|----------|-------|---------|-------------------------------|--------------------------|---------------------|---------------------------|------------------------|-------|---------|--------|
| GLASS TYPES | | | | | | | | | | | |
| .18 X Conditioned X BSPM = Points Floor Area | | | | Type/SC | Overhang Ornt Len Hgt | | Area X SPM X SOF = Points | | | | |
| .18 | 1356.0 | 20.04 | 4891.4 | Double, Clear | E | 1.5 | 3.5 | 6.0 | 42.06 | 0.78 | 195.7 |
| | | | | Double, Clear | E | 1.5 | 5.5 | 15.0 | 42.06 | 0.90 | 565.5 |
| | | | | Double, Clear | S | 1.5 | 0.0 | 15.0 | 35.87 | 0.43 | 232.4 |
| | | | | Double, Clear | W | 1.5 | 5.5 | 60.0 | 38.52 | 0.90 | 2073.1 |
| | | | | Double, Clear | N | 1.5 | 3.5 | 12.0 | 19.20 | 0.86 | 197.9 |
| As-Built Total: | | | | 108.0 3264.7 | | | | | | | |
| WALL TYPES Area X BSPM = Points | | | | Type | R-Value | | Area X SPM = Points | | | | |
| Adjacent | 0.0 | 0.00 | 0.0 | Frame, Wood, Exterior | 13.0 | | 1196.0 | 1.50 | | 1794.0 | |
| Exterior | 1196.0 | 1.70 | 2033.2 | | | | | | | | |
| Base Total: | | | | 1196.0 | | 2033.2 | | As-Built Total: | | | |
| | | | | | | 1196.0 | | 1794.0 | | | |
| DOOR TYPES Area X BSPM = Points | | | | Type | R-Value | | Area X SPM = Points | | | | |
| Adjacent | 0.0 | 0.00 | 0.0 | Exterior Insulated | | | 40.0 | 4.10 | | 164.0 | |
| Exterior | 40.0 | 4.10 | 164.0 | | | | | | | | |
| Base Total: | | | | 40.0 | | 164.0 | | As-Built Total: | | | |
| | | | | | | 40.0 | | 164.0 | | | |
| CEILING TYPES Area X BSPM = Points | | | | Type | R-Value | | Area X SPM X SCM = Points | | | | |
| Under Attic | 1356.0 | 1.73 | 2345.9 | Under Attic | 30.0 | | 1356.0 | 1.73 X 1.00 | | 2345.9 | |
| Base Total: | | | | 1356.0 | | 2345.9 | | As-Built Total: | | | |
| | | | | | | 1356.0 | | 2345.9 | | | |
| FLOOR TYPES Area X BSPM = Points | | | | Type | R-Value | | Area X SPM = Points | | | | |
| Slab | 168.0(p) | -37.0 | -6216.0 | Slab-On-Grade Edge Insulation | 0.0 | | 168.0(p) | -41.20 | | -6921.6 | |
| Raised | 0.0 | 0.00 | 0.0 | | | | | | | | |
| Base Total: | | | | -6216.0 | | 168.0 | | As-Built Total: | | | |
| | | | | | | 168.0 | | -6921.6 | | | |
| INFILTRATION Area X BSPM = Points | | | | | | Area X SPM = Points | | | | | |
| 1356.0 10.21 13844.8 | | | | | | 1356.0 10.21 | | 13844.8 | | | |

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 140 Bloomington Terr., , FL,

PERMIT #:

| BASE | | | | AS-BUILT | | | | | | |
|------------------------------------|---------------------------|---|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------|---------------------------|---------------------------|---|-------------------|
| Summer Base Points: 17063.2 | | | | Summer As-Built Points: 14491.7 | | | | | | |
| Total Summer Points | X System Multiplier | = | Cooling Points | Total Component (System - Points) | X Cap Ratio (DM x DSM x AHU) | X Duct Multiplier (DM x DSM x AHU) | X System Multiplier | X Credit Multiplier | = | Cooling Points |
| 17063.2 | 0.4266 | | 7279.2 | <small>(sys 1: Central Unit 27000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)</small> <small>14492 1.00 (1.09 x 1.147 x 0.91) 0.263 1.000 4328.6</small> 14491.7 1.00 1.138 0.263 1.000 4328.6 | | | | | | |

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 140 Bloomington Terr., , FL,

PERMIT #:

| BASE | | | | AS-BUILT | | | | | | | |
|-------------------------------------------------|----------|-------|--------|-------------------------------|--------------------------|-----|---------------------------|---------------|---------------|--------|--------|
| GLASS TYPES | | | | | | | | | | | |
| .18 X Conditioned X BWPM = Points Floor Area | | | | Type/SC | Overhang Ornt Len Hgt | | Area X WPM X WOF = Points | | | | |
| .18 | 1356.0 | 12.74 | 3109.6 | Double, Clear | E | 1.5 | 3.5 | 6.0 | 18.79 | 1.09 | 123.3 |
| | | | | Double, Clear | E | 1.5 | 5.5 | 15.0 | 18.79 | 1.04 | 293.5 |
| | | | | Double, Clear | S | 1.5 | 0.0 | 15.0 | 13.30 | 3.66 | 730.0 |
| | | | | Double, Clear | W | 1.5 | 5.5 | 60.0 | 20.73 | 1.03 | 1278.6 |
| | | | | Double, Clear | N | 1.5 | 3.5 | 12.0 | 24.58 | 1.01 | 297.1 |
| | | | | As-Built Total: | | | | 108.0 | 2722.6 | | |
| WALL TYPES Area X BWPM = Points | | | | Type | R-Value | | Area X WPM = Points | | | | |
| Adjacent | 0.0 | 0.00 | 0.0 | Frame, Wood, Exterior | 13.0 | | 1196.0 | 3.40 | | 4066.4 | |
| Exterior | 1196.0 | 3.70 | 4425.2 | | | | | | | | |
| Base Total: 1196.0 4425.2 | | | | As-Built Total: | | | | 1196.0 | 4066.4 | | |
| DOOR TYPES Area X BWPM = Points | | | | Type | Area X WPM = Points | | | | | | |
| Adjacent | 0.0 | 0.00 | 0.0 | Exterior Insulated | | | 40.0 | 8.40 | | 336.0 | |
| Exterior | 40.0 | 8.40 | 336.0 | | | | | | | | |
| Base Total: 40.0 336.0 | | | | As-Built Total: | | | | 40.0 | 336.0 | | |
| CEILING TYPES Area X BWPM = Points | | | | Type | R-Value | | Area X WPM X WCM = Points | | | | |
| Under Attic | 1356.0 | 2.05 | 2779.8 | Under Attic | 30.0 | | 1356.0 | 2.05 X 1.00 | | 2779.8 | |
| Base Total: 1356.0 2779.8 | | | | As-Built Total: | | | | 1356.0 | 2779.8 | | |
| FLOOR TYPES Area X BWPM = Points | | | | Type | R-Value | | Area X WPM = Points | | | | |
| Slab | 168.0(p) | 8.9 | 1495.2 | Slab-On-Grade Edge Insulation | 0.0 | | 168.0(p) | 18.80 | | 3158.4 | |
| Raised | 0.0 | 0.00 | 0.0 | | | | | | | | |
| Base Total: 1495.2 | | | | As-Built Total: | | | | 168.0 | 3158.4 | | |
| INFILTRATION Area X BWPM = Points | | | | Area X WPM = Points | | | | | | | |
| 1356.0 -0.59 -800.0 | | | | 1356.0 -0.59 -800.0 | | | | | | | |

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 140 Bloomington Terr., , FL,

PERMIT #:

| BASE | | | | AS-BUILT | | | | | | | | | |
|-----------------------------|---|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------|---|-----------------|---|-------------------|---|-------------------|------------------|
| Winter Base Points: 11345.7 | | | | Winter As-Built Points: 12263.2 | | | | | | | | | |
| Total Winter Points | X | System Multiplier | = Heating Points | Total Component (System - Points) | X | Cap Ratio (DM x DSM x AHU) | X | Duct Multiplier | X | System Multiplier | X | Credit Multiplier | = Heating Points |
| 11345.7 | | 0.6274 | 7118.3 | (sys 1: Electric Heat Pump 27000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0 12263.2 1.000 (1.069 x 1.169 x 0.93) 0.432 1.000 6151.9 12263.2 1.00 1.162 0.432 1.000 6151.9 | | | | | | | | | |

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 140 Bloomington Terr., , FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.7

The higher the score, the more efficient the home.

Spec House, 140 Bloomington Terr., , FL,

| | | | |
|---------------------------------------------------------------------------------|------------------------------------------|----------------------------------------|-------------------|
| 1. New construction or existing | New | 12. Cooling systems | |
| 2. Single family or multi-family | Single family | a. Central Unit | Cap: 27.0 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 | c. N/A | |
| 6. Conditioned floor area (ft ²) | 1356 ft ² | | |
| 7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default) | | 13. Heating systems | |
| a. U-factor: | Description Area | a. Electric Heat Pump | Cap: 27.0 kBtu/hr |
| (or Single or Double DEFAULT) | 7a. (Dble Default) 108.0 ft ² | | HSPF: 7.90 |
| b. SHGC: | | b. N/A | |
| (or Clear or Tint DEFAULT) | 7b. (Clear) 108.0 ft ² | c. N/A | |
| 8. Floor types | | 14. Hot water systems | |
| a. Slab-On-Grade Edge Insulation | R=0.0, 168.0(p) ft | a. Electric Resistance | Cap: 40.0 gallons |
| b. N/A | | | EF: 0.93 |
| c. N/A | | b. N/A | |
| 9. Wall types | | c. Conservation credits | |
| a. Frame, Wood, Exterior | R=13.0, 1196.0 ft ² | (HR-Heat recovery, Solar | |
| b. N/A | | DHP-Dedicated heat pump) | |
| c. N/A | | 15. HVAC credits | |
| d. N/A | | (CF-Ceiling fan, CV-Cross ventilation, | |
| e. N/A | | HF-Whole house fan, | |
| 10. Ceiling types | | PT-Programmable Thermostat, | |
| a. Under Attic | R=30.0, 1356.0 ft ² | MZ-C-Multizone cooling, | |
| b. N/A | | MZ-H-Multizone heating) | |
| c. N/A | | | |
| 11. Ducts | | | |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 120.0 ft | | |
| b. N/A | | | |

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

Builder Signature: _____ Date: _____

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



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge[®] (Version: FLR2PB v4.1)

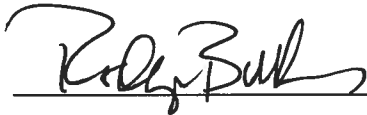
Columbia County Building Department Culvert Permit

Culvert Permit No.
000001454

DATE 09/25/2007 PARCEL ID # 22-5S-17-09340-052
APPLICANT RODGER BUTLER PHONE 754-3664
ADDRESS 206 SW CAVALRY PLACE LAKE CITY FL 32025
OWNER RODGER BUTLER PHONE 754-3664
ADDRESS 206 SW CAVALRY PLACE LAKE CITY FL 32025
CONTRACTOR RODGER BUTLER PHONE _____
LOCATION OF PROPERTY 41 SOUTH TO MASON CITY, R TURNER ST. GO TO END.
L BLOOMINGTON, 2ND ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MASON CITY 43

SIGNATURE



INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length 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 INSTALLATION 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



010170
NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

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

Tax Parcel ID Number 22-55-17-09340-052

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

S 1/2 OF MIDDLE 1/3 OF BLOCK 43 MASON CITY

140 SW BLOOMINGTON TERRACE

2. General description of improvement: ERECT SINGLE STORY RESIDENTIAL HOME.

3. Owner Name & Address RODGER BUTLER

206 SW CAVALRY PLACE LC FL Interest in Property 100%

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

5. Contractor Name BUTLER BUILDERS LLC Phone Number 386 916 3261

Address 206 SW CAVALRY PLACE LAKE CITY FL 32025

6. Surety Holders Name _____ Phone Number _____

Address _____

Amount of Bond _____

Inst: 200712020996 Date: 9/14/2007 Time: 2:21 PM

14 DC, P. DeWitt Cason, Columbia County Page 1 of 1

7. Lender Name n/a

Address _____

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

Name n/a

Phone Number _____

Address _____

9. In addition to himself/herself the owner designates n/a of

_____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee _____

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

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Rodger Butler
Signature of Owner

FL DL

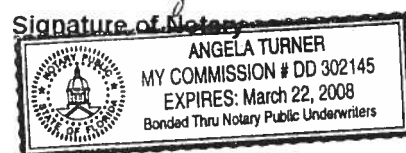
B 346-734-59-391-0

Exp 10-31-2012

Sworn to (or affirmed) and subscribed before
day of 14 September, 20 07

NOTARY STAMP/SEAL

Angela Turner



Door and window schedule for 140 Bloomington terrace

Exterior Door

1. Front- 9 panel f/g cross buck 3/0 FL 18
2. Side entrance f/g cross buck 3/0 FL18
3. Utility rear door f/g cross buck 3/0 FL18

INTERIOR DOOR

1. Masonite 6 panel 2/8 FL
2. Same as above
3. Same as above
4. Same as above
5. Same as above
6. Same as above
- 10.. Same as above
7. Folding masonite panel closet 2/0 FL
8. Folding masonite panel closet 3/0
- 9 same as no. 8

EXTERIOR WINDOW

1. BETTERBILT 3/0 X 5/0 FL 663
2. BETTERBILT 3/0 X 5/0 FL663
3. BETTERBILT 3/0 X 5/0 FL663
4. BETTERBILT 3/0 X 5/0 FL663
5. BETTERBILT 3/0 X 5/0 FL663
6. BETTERBILT 2/0 X 4/0 FL663
7. BETTERBILT 2/0 X 3/0 FL663
8. BETTERBILT 2/0 X 3/0 FL663

COLUMBIA COUNTY ALUMINUM

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 22-5S-17-09340-052

Building permit No. 000026271

Use Classification SFD, UTILITY

Fire: 25.68

Permit Holder RODGER BUTLER

Waste: 67.00

Owner of Building RODGER BUTLER

Total: 92.68

Location: 140 SW BLOOMINGTON TERR, LAKE CITY, FL



Date: 06/19/2008

Wayne A. Luss
by Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Residential System Sizing Calculation

Summary

Spec House
140 Bloomington Terr.
, FL

Project Title:
709062ButlerRodger

Class 3 Rating
Registration No. 0
Climate: North

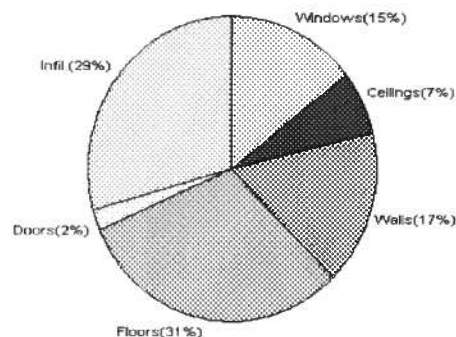
9/10/2007

| | | | |
|-------------------------------------------------------------------------------------------------|-------------------|---------------------------------------|-------------------|
| Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) | | | |
| Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.) | | | |
| Winter design temperature | 33 F | Summer design temperature | 92 F |
| Winter setpoint | 70 F | Summer setpoint | 75 F |
| Winter temperature difference | 37 F | Summer temperature difference | 17 F |
| Total heating load calculation | 23739 Btuh | Total cooling load calculation | 18176 Btuh |
| Submitted heating capacity | % of calc Btuh | Submitted cooling capacity | % of calc Btuh |
| Total (Electric Heat Pump) | 113.7 27000 | Sensible (SHR = 0.75) | 147.4 20250 |
| Heat Pump + Auxiliary(0.0kW) | 113.7 27000 | Latent | 152.1 6750 |
| | | Total (Electric Heat Pump) | 148.6 27000 |

WINTER CALCULATIONS

Winter Heating Load (for 1356 sqft)

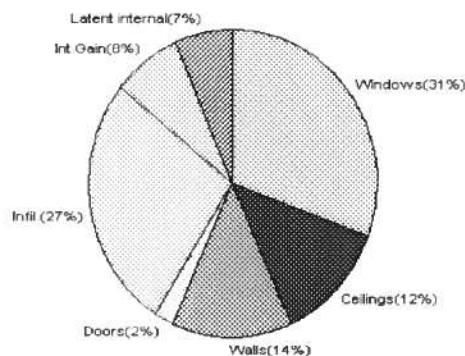
| Load component | | Load | |
|------------------------|-----------|--------------|-------------|
| Window total | 108 sqft | 3477 | Btuh |
| Wall total | 1196 sqft | 3928 | Btuh |
| Door total | 40 sqft | 518 | Btuh |
| Ceiling total | 1356 sqft | 1598 | Btuh |
| Floor total | 168 sqft | 7335 | Btuh |
| Infiltration | 170 cfm | 6884 | Btuh |
| Duct loss | | 0 | Btuh |
| Subtotal | | 23739 | Btuh |
| Ventilation | 0 cfm | 0 | Btuh |
| TOTAL HEAT LOSS | | 23739 | Btuh |



SUMMER CALCULATIONS

Summer Cooling Load (for 1356 sqft)

| Load component | | Load | |
|---------------------------------------|-----------|--------------|-------------|
| Window total | 108 sqft | 5577 | Btuh |
| Wall total | 1196 sqft | 2495 | Btuh |
| Door total | 40 sqft | 392 | Btuh |
| Ceiling total | 1356 sqft | 2246 | Btuh |
| Floor total | | 0 | Btuh |
| Infiltration | 89 cfm | 1649 | Btuh |
| Internal gain | | 1380 | Btuh |
| Duct gain | | 0 | Btuh |
| Sens. Ventilation | 0 cfm | 0 | Btuh |
| Total sensible gain | | 13738 | Btuh |
| Latent gain(ducts) | | 0 | Btuh |
| Latent gain(infiltration) | | 3238 | Btuh |
| Latent gain(ventilation) | | 0 | Btuh |
| Latent gain(internal/occupants/other) | | 1200 | Btuh |
| Total latent gain | | 4438 | Btuh |
| TOTAL HEAT GAIN | | 18176 | Btuh |



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *Bar*

DATE: *9-10-07*

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House
140 Bloomington Terr.
, FL

Project Title:
709062ButlerRodger

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

9/10/2007

| Component Loads for Whole House | | | | | | |
|---------------------------------|----------------------------------------------------|-------------|-------------|-------|---------------|------------|
| Window | Panes/SHGC/Frame/U | Orientation | Area(sqft) | X | HTM= | Load |
| 1 | 2, Clear, Metal, 0.87 | NW | 6.0 | | 32.2 | 193 Btuh |
| 2 | 2, Clear, Metal, 0.87 | NW | 15.0 | | 32.2 | 483 Btuh |
| 3 | 2, Clear, Metal, 0.87 | NE | 15.0 | | 32.2 | 483 Btuh |
| 4 | 2, Clear, Metal, 0.87 | SE | 60.0 | | 32.2 | 1931 Btuh |
| 5 | 2, Clear, Metal, 0.87 | SW | 12.0 | | 32.2 | 386 Btuh |
| | Window Total | | 108(sqft) | | | 3477 Btuh |
| Walls | Type | R-Value | Area | X | HTM= | Load |
| 1 | Frame - Wood - Ext(0.09) | 13.0 | 1196 | | 3.3 | 3928 Btuh |
| | Wall Total | | 1196 | | | 3928 Btuh |
| Doors | Type | | Area | X | HTM= | Load |
| 1 | Insulated - Exterior | | 40 | | 12.9 | 518 Btuh |
| | Door Total | | 40 | | | 518Btuh |
| Ceilings | Type/Color/Surface | R-Value | Area | X | HTM= | Load |
| 1 | Vented Attic/D/Shin) | 30.0 | 1356 | | 1.2 | 1598 Btuh |
| | Ceiling Total | | 1356 | | | 1598Btuh |
| Floors | Type | R-Value | Size | X | HTM= | Load |
| 1 | Slab On Grade | 0 | 168.0 ft(p) | | 43.7 | 7335 Btuh |
| | Floor Total | | 168 | | | 7335 Btuh |
| | Zone Envelope Subtotal: | | | | | 16855 Btuh |
| Infiltration | Type | ACH X | Zone Volume | CFM= | | |
| | Natural | 0.94 | 10848 | 170.0 | | 6884 Btuh |
| Ductload | Average sealed, R6.0, Supply(Attic), Return(Attic) | | | | (DLM of 0.00) | 0 Btuh |
| Zone #1 | Sensible Zone Subtotal | | | | | 23739 Btuh |

WHOLE HOUSE TOTALS

| | | |
|--|----------------------|------------|
| | Subtotal Sensible | 23739 Btuh |
| | Ventilation Sensible | 0 Btuh |
| | Total Btuh Loss | 23739 Btuh |

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
140 Bloomington Terr.
, FL

Project Title:
709062ButlerRodger

Class 3 Rating
Registration No. 0
Climate: North

01/10/2007



Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House
140 Bloomington Terr.
, FL

Project Title:
709062ButlerRodger

Class 3 Rating
Registration No. 0
Climate: North

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

9/10/2007

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

Component Loads for Zone #1: Main

| Window | Panes/SHGC/Frame/U | Orientation | Area(sqft) | X | HTM= | Load |
|-------------------------|------------------------------------------------------------------|-------------|-------------|-------|------|------------|
| 1 | 2, Clear, Metal, 0.87 | NW | 6.0 | | 32.2 | 193 Btuh |
| 2 | 2, Clear, Metal, 0.87 | NW | 15.0 | | 32.2 | 483 Btuh |
| 3 | 2, Clear, Metal, 0.87 | NE | 15.0 | | 32.2 | 483 Btuh |
| 4 | 2, Clear, Metal, 0.87 | SE | 60.0 | | 32.2 | 1931 Btuh |
| 5 | 2, Clear, Metal, 0.87 | SW | 12.0 | | 32.2 | 386 Btuh |
| Window Total | | | 108(sqft) | | | 3477 Btuh |
| Walls | Type | R-Value | Area | X | HTM= | Load |
| 1 | Frame - Wood - Ext(0.09) | 13.0 | 1196 | | 3.3 | 3928 Btuh |
| Wall Total | | | 1196 | | | 3928 Btuh |
| Doors | Type | | Area | X | HTM= | Load |
| 1 | Insulated - Exterior | | 40 | | 12.9 | 518 Btuh |
| Door Total | | | 40 | | | 518Btuh |
| Ceilings | Type/Color/Surface | R-Value | Area | X | HTM= | Load |
| 1 | Vented Attic/D/Shin) | 30.0 | 1356 | | 1.2 | 1598 Btuh |
| Ceiling Total | | | 1356 | | | 1598Btuh |
| Floors | Type | R-Value | Size | X | HTM= | Load |
| 1 | Slab On Grade | 0 | 168.0 | ft(p) | 43.7 | 7335 Btuh |
| Floor Total | | | 168 | | | 7335 Btuh |
| Zone Envelope Subtotal: | | | | | | 16855 Btuh |
| Infiltration | Type | ACH X | Zone Volume | CFM= | | |
| | Natural | 0.94 | 10848 | 170.0 | | 6884 Btuh |
| Ductload | Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00) | | | | | 0 Btuh |
| Zone #1 | Sensible Zone Subtotal | | | | | 23739 Btuh |

WHOLE HOUSE TOTALS

| | | |
|--|----------------------|------------|
| | Subtotal Sensible | 23739 Btuh |
| | Ventilation Sensible | 0 Btuh |
| | Total Btuh Loss | 23739 Btuh |

Manual J Winter Calculations

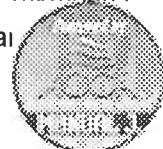
Residential Load - Component Details (continued)

Spec House
140 Bloomington Terr.
, FL

Project Title:
709062ButlerRodger

Class 3 Rating
Registration No. 0
Climate: North

01/01/2007



Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House
140 Bloomington Terr.
, FL

Project Title:
709062ButlerRodger

Class 3 Rating
Registration No. 0
Climate: North

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

9/10/2007

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

Component Loads for Whole House

| Window | Type* | | Overhang | | Window Area(sqft) | | | HTM | | Load | |
|---------------|----------------------------------------------------|-----------------|----------|---------------|-------------------|--------|-----------|------------|-----------|------------|------|
| | Pn/SHGC/U/InSh/ExSh/IS | Ornt | Len | Hgt | Gross | Shaded | Unshaded | Shaded | Unshaded | | |
| 1 | 2, Clear, 0.87, None,N,N | NW | 1.5ft. | 3.5ft. | 6.0 | 0.0 | 6.0 | 29 | 60 | 360 | Btuh |
| 2 | 2, Clear, 0.87, None,N,N | NW | 1.5ft. | 5.5ft. | 15.0 | 0.0 | 15.0 | 29 | 60 | 901 | Btuh |
| 3 | 2, Clear, 0.87, None,N,N | NE | 1.5ft. | 0ft. | 15.0 | 0.0 | 15.0 | 29 | 60 | 901 | Btuh |
| 4 | 2, Clear, 0.87, None,N,N | SE | 1.5ft. | 5.5ft. | 60.0 | 24.3 | 35.7 | 29 | 63 | 2937 | Btuh |
| 5 | 2, Clear, 0.87, None,N,N | SW | 1.5ft. | 3.5ft. | 12.0 | 8.1 | 3.9 | 29 | 63 | 479 | Btuh |
| Window Total | | | | | 108 (sqft) | | | | | 5577 Btuh | |
| Walls | Type | R-Value/U-Value | | | Area(sqft) | | | HTM | | Load | |
| 1 | Frame - Wood - Ext | 13.0/0.09 | | | 1196.0 | | | 2.1 | | 2495 Btuh | |
| Wall Total | | | | | 1196 (sqft) | | | | | 2495 Btuh | |
| Doors | Type | | | | Area (sqft) | | | HTM | | Load | |
| 1 | Insulated - Exterior | | | | 40.0 | | | 9.8 | | 392 Btuh | |
| Door Total | | | | | 40 (sqft) | | | | | 392 Btuh | |
| Ceilings | Type/Color/Surface | R-Value | | | Area(sqft) | | | HTM | | Load | |
| 1 | Vented Attic/DarkShingle | 30.0 | | | 1356.0 | | | 1.7 | | 2246 Btuh | |
| Ceiling Total | | | | | 1356 (sqft) | | | | | 2246 Btuh | |
| Floors | Type | R-Value | | | Size | | | HTM | | Load | |
| 1 | Slab On Grade | 0.0 | | | 168 (ft(p)) | | | 0.0 | | 0 Btuh | |
| Floor Total | | | | | 168.0 (sqft) | | | | | 0 Btuh | |
| | Zone Envelope Subtotal: | | | | | | | | | 10709 Btuh | |
| Infiltration | Type | ACH | | | Volume(cuft) | | | CFM= | | Load | |
| | SensibleNatural | 0.49 | | | 10848 | | | 88.6 | | 1649 Btuh | |
| Internal gain | Occupants | | | Btuh/occupant | | | Appliance | | Load | | |
| | 6 | | | X 230 + | | | 0 | | 1380 Btuh | | |
| Duct load | Average sealed, R6.0, Supply(Attic), Return(Attic) | | | | | | | DGM = 0.00 | | 0.0 Btuh | |
| | Sensible Zone Load | | | | | | | | | 13738 Btuh | |

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
140 Bloomington Terr.
, FL

Project Title:
709062ButlerRodger

Class 3 Rating
Registration No. 0
Climate: North

9/10/2007

WHOLE HOUSE TOTALS

| | | |
|-------------------------------------------|-----------------------------------------------------------|-------------------|
| Whole House Totals for Cooling | Sensible Envelope Load All Zones | 13738 Btuh |
| | Sensible Duct Load | 0 Btuh |
| | Total Sensible Zone Loads | 13738 Btuh |
| | Sensible ventilation | 0 Btuh |
| | Blower | 0 Btuh |
| | Total sensible gain | 13738 Btuh |
| | Latent infiltration gain (for 54 gr. humidity difference) | 3238 Btuh |
| | Latent ventilation gain | 0 Btuh |
| | Latent duct gain | 0 Btuh |
| | Latent occupant gain (6 people @ 200 Btuh per person) | 1200 Btuh |
| | Latent other gain | 0 Btuh |
| | Latent total gain | 4438 Btuh |
| | TOTAL GAIN | 18176 Btuh |

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House
140 Bloomington Terr.
, FL

Project Title:
709062ButlerRodger

Class 3 Rating
Registration No. 0
Climate: North

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

9/10/2007

Component Loads for Zone #1: Main

| Window | Type* | | Overhang | | Window Area(sqft) | | | HTM | | Load |
|---------------|----------------------------------------------------|-----------------|----------|---------------|-------------------|-----------|----------|------------|------------|-----------|
| | Pn/SHGC/U/InSh/ExSh/IS | Ornt | Len | Hgt | Gross | Shaded | Unshaded | Shaded | Unshaded | |
| 1 | 2, Clear, 0.87, None,N,N | NW | 1.5ft. | 3.5ft. | 6.0 | 0.0 | 6.0 | 29 | 60 | 360 Btuh |
| 2 | 2, Clear, 0.87, None,N,N | NW | 1.5ft. | 5.5ft. | 15.0 | 0.0 | 15.0 | 29 | 60 | 901 Btuh |
| 3 | 2, Clear, 0.87, None,N,N | NE | 1.5ft. | 0ft. | 15.0 | 0.0 | 15.0 | 29 | 60 | 901 Btuh |
| 4 | 2, Clear, 0.87, None,N,N | SE | 1.5ft. | 5.5ft. | 60.0 | 24.3 | 35.7 | 29 | 63 | 2937 Btuh |
| 5 | 2, Clear, 0.87, None,N,N | SW | 1.5ft. | 3.5ft. | 12.0 | 8.1 | 3.9 | 29 | 63 | 479 Btuh |
| Window Total | | | | | 108 (sqft) | | | | | 5577 Btuh |
| Walls | Type | R-Value/U-Value | | | Area(sqft) | | HTM | | Load | |
| 1 | Frame - Wood - Ext | 13.0/0.09 | | | 1196.0 | | 2.1 | | 2495 Btuh | |
| Wall Total | | | | | 1196 (sqft) | | | | | 2495 Btuh |
| Doors | Type | | | | Area (sqft) | | HTM | | Load | |
| 1 | Insulated - Exterior | | | | 40.0 | | 9.8 | | 392 Btuh | |
| Door Total | | | | | 40 (sqft) | | | | | 392 Btuh |
| Ceilings | Type/Color/Surface | R-Value | | | Area(sqft) | | HTM | | Load | |
| 1 | Vented Attic/DarkShingle | 30.0 | | | 1356.0 | | 1.7 | | 2246 Btuh | |
| Ceiling Total | | | | | 1356 (sqft) | | | | | 2246 Btuh |
| Floors | Type | R-Value | | | Size | | HTM | | Load | |
| 1 | Slab On Grade | 0.0 | | | 168 (ft(p)) | | 0.0 | | 0 Btuh | |
| Floor Total | | | | | 168.0 (sqft) | | | | | 0 Btuh |
| | Zone Envelope Subtotal: | | | | | | | | 10709 Btuh | |
| Infiltration | Type | ACH | | | Volume(cuft) | | CFM= | | Load | |
| | SensibleNatural | 0.49 | | | 10848 | | 88.6 | | 1649 Btuh | |
| Internal gain | Occupants | | | Btuh/occupant | | Appliance | | Load | | |
| | 6 | | | X | 230 | + | 0 | 1380 Btuh | | |
| Duct load | Average sealed, R6.0, Supply(Attic), Return(Attic) | | | | | | | DGM = 0.00 | | 0.0 Btuh |
| | Sensible Zone Load | | | | | | | | 13738 Btuh | |

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
140 Bloomington Terr.
, FL

Project Title:
709062ButlerRodger

Class 3 Rating
Registration No. 0
Climate: North

9/10/2007

WHOLE HOUSE TOTALS

| | | |
|-------------------------------------------|-----------------------------------------------------------|-------------------|
| Whole House Totals for Cooling | Sensible Envelope Load All Zones | 13738 Btuh |
| | Sensible Duct Load | 0 Btuh |
| | Total Sensible Zone Loads | 13738 Btuh |
| | Sensible ventilation | 0 Btuh |
| | Blower | 0 Btuh |
| | Total sensible gain | 13738 Btuh |
| | Latent infiltration gain (for 54 gr. humidity difference) | 3238 Btuh |
| | Latent ventilation gain | 0 Btuh |
| | Latent duct gain | 0 Btuh |
| | Latent occupant gain (6 people @ 200 Btuh per person) | 1200 Btuh |
| | Latent other gain | 0 Btuh |
| | Latent total gain | 4438 Btuh |
| | TOTAL GAIN | 18176 Btuh |

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Spec House
140 Bloomington Terr.
, FL

Project Title:
709062ButlerRodger

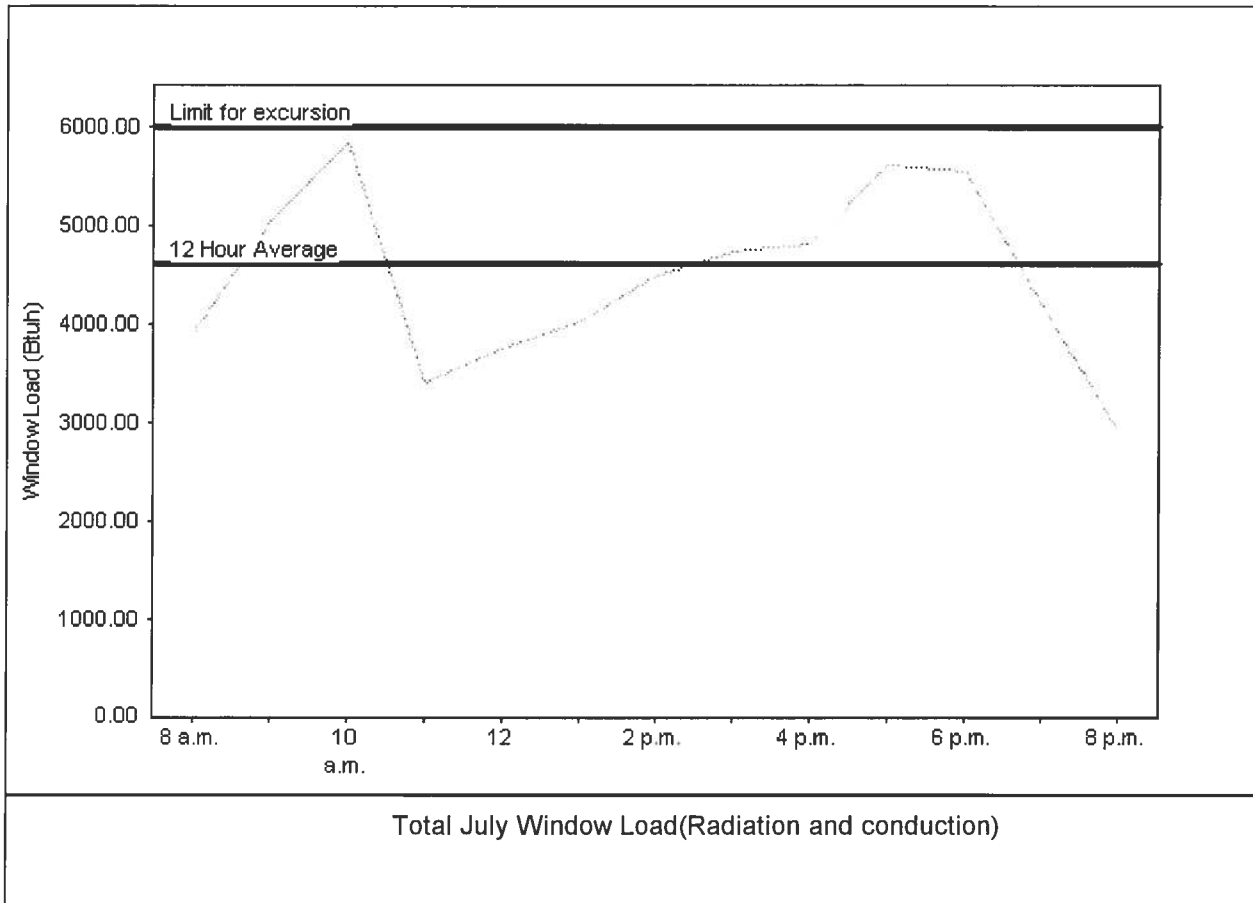
Class 3 Rating
Registration No. 0
Climate: North

9/10/2007

Weather data for: Gainesville - Defaults

| | | | |
|-------------------------------|----------|-------------------------------|-----------|
| Summer design temperature | 92 F | Average window load for July | 4610 Btuh |
| Summer setpoint | 75 F | Peak window load for July | 5840 Btuh |
| Summer temperature difference | 17 F | Excursion limit(130% of Ave.) | 5993 Btuh |
| Latitude | 29 North | Window excursion (July) | None |

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: *9-10-07*

EnergyGauge® FLR2PB v4.1



PRODUCT APPROVAL SPECIFICATION SHEET

Location: 140 BLOOMINGTON TERR

Project Name: THE MILLIONAIRE

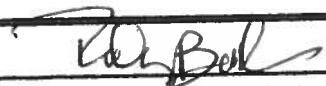
As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

| Category/Subcategory | Manufacturer | Product Description | Approval Number(s) |
|----------------------------|---------------|---------------------|--------------------|
| A. EXTERIOR DOORS | | | |
| 1. Swinging | RELIABILT | 9 PANEL CROSSBUDL | FL18 |
| 2. Sliding | — | | |
| 3. Sectional | — | | |
| 4. Roll up | — | | |
| 5. Automatic | — | | |
| 6. Other | — | | |
| B. WINDOWS | | | |
| 1. Single hung | BETTERBILT | ALUM SH | FL663 |
| 2. Horizontal Slider | — | | |
| 3. Casement | — | | |
| 4. Double Hung | — | | |
| 5. Fixed | — | | |
| 6. Awning | — | | |
| 7. Pass-through | — | | |
| 8. Projected | — | | |
| 9. Mullion | — | | |
| 10. Wind Breaker | — | | |
| 11 Dual Action | — | | |
| 12. Other | — | | |
| C. PANEL WALL | | | |
| 1. Siding | HARDIE | HARDI PLANK | FL889.5 |
| 2. Soffits | GP | VINYL SOFFIT | FL1146 |
| 3. EIFS | — | | |
| 4. Storefronts | — | | |
| 5. Curtain walls | — | | |
| 6. Wall louver | — | | |
| 7. Glass block | — | | |
| 8. Membrane | TYVEK | HOUSEWRAP | N/A |
| 9. Greenhouse | — | | |
| 10. Other | — | | |
| D. ROOFING PRODUCTS | | | |
| 1. Asphalt Shingles | OWENS CORNING | F/G SHINGLES | FL673 |
| 2. Underlayments | TAKKO | 30AFELT | FL1744-P1 |
| 3. Roofing Fasteners | | | |
| 4. Non-structural Metal Rf | — | | |
| 5. Built-Up Roofing | — | | |
| 6. Modified Bitumen | — | | |
| 7. Single Ply Roofing Sys | — | | |
| 8. Roofing Tiles | — | | |
| 9. Roofing Insulation | — | | |
| 10. Waterproofing | — | | |
| 11. Wood shingles /shakes | — | | |
| 12. Roofing Slate | — | | |

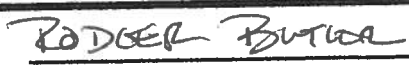
| Category/Subcategory (cont.) | Manufacturer | Product Description | Approval Number(s) |
|------------------------------------------|--------------|------------------------------|--------------------|
| 13. Liquid Applied Roof Sys | — | | |
| 14. Cements-Adhesives – Coatings | — | | |
| 15. Roof Tile Adhesive | — | | |
| 16. Spray Applied Polyurethane Roof | — | | |
| 17. Other | | | |
| E. SHUTTERS | | | |
| 1. Accordion | — | N/A | |
| 2. Bahama | — | | |
| 3. Storm Panels | — | | |
| 4. Colonial | — | | |
| 5. Roll-up | — | | |
| 6. Equipment | — | | |
| 7. Others | — | | |
| F. SKYLIGHTS | | | |
| 1. Skylight | — | N/A | |
| 2. Other | — | | |
| G. STRUCTURAL COMPONENTS | | | |
| 1. Wood connector/anchor | SIMPSON | TOP/BOTTOM - SPH4 - FL538.21 | |
| 2. Truss plates | SIMPSON | STRONGTIE HQ.SA- FL503.15 | |
| 3. Engineered lumber | — | STRONGTIE H6 - FL474.106 | FL502.1 |
| 4. Railing | — | | |
| 5. Coolers-freezers | — | | |
| 6. Concrete Admixtures | — | | |
| 7. Material | — | | |
| 8. Insulation Forms | — | | |
| 9. Plastics | — | | |
| 10. Deck-Roof | — | | |
| 11. Wall | — | | |
| 12. Sheds | — | | |
| 13. Other | — | | |
| H. NEW EXTERIOR ENVELOPE PRODUCTS | | | |
| 1. | | | |
| 2. | | | |

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

I understand these products may have to be removed if approval cannot be demonstrated during inspection


Contractor or Contractor's Authorized Agent Signature

Location

 9-10-07
Print Name Date

Permit # (FOR STAFF USE ONLY)