DATE 06/23/2011

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000029498

APPLICANT ED HIGGS PHONE 386.623.0707

ADDRESS POB 238 LAKE CITY FL 32056

OWNER ED HIGGS PHONE 386.623.0707

ADDRESS 1777 SE CR 245 LAKE CITY FL 32025

CONTRACTOR ED HIGGS PHONE 386.623.0707

LOCATION OF PROPERTY 90-E TO SR 100,TR TO C-245 AND IT'S 1 MILE ON L

TYPE DEVELOPMENT BARN/UTILITY ESTIMATED COST OF CONSTRUCTION 25000.00

HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES 1

FOUNDATION CONC WALLS METAL ROOF PITCH 4'12 FLOOR A-3

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 X DEVELOPMENT PERMIT NO.

PARCEL ID 11-4S-17-08315-001 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 25.00

000001894		OWNER		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
WAIVER	11-0278-N	BLK	HD	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE.

Check # or Cash CASH REC'D.

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

Insulation _____ 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

Pool _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

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

Reconnection _____ date/app. by

RV _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 125.00 CERTIFICATION FEE $ 0.00 SURCHARGE FEE $ 0.00

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 200.00

INSPECTORS OFFICE CLERKS OFFICE

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

Important Notice: If visually graded lumber is used for the trusses covered by these designs, see "SPIB Important Notice, Dated July 28, 2010" (reprinted at www.mii.com) before use. MiTek does not warrant third-party lumber design values.

RE: ELIX-JODY -

MiTek Industries, Inc.
6904 Parke East Boulevard
Tampa, FL 33610-4115

Site Information:
Customer Info: JODY Project Name: JODY Model: ***BUILT 5/11***
Lot/Block: . Subdivision: .
Address: .
City: . State: FLORIDA

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2007 Design Program: OnLine Plus 28.0.007
Wind Code: ASCE 7-05 Wind Speed: 110 mph
Roof Load: 40.0 psf

This package includes 1 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T4101843	A1	6/14/011

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2013.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

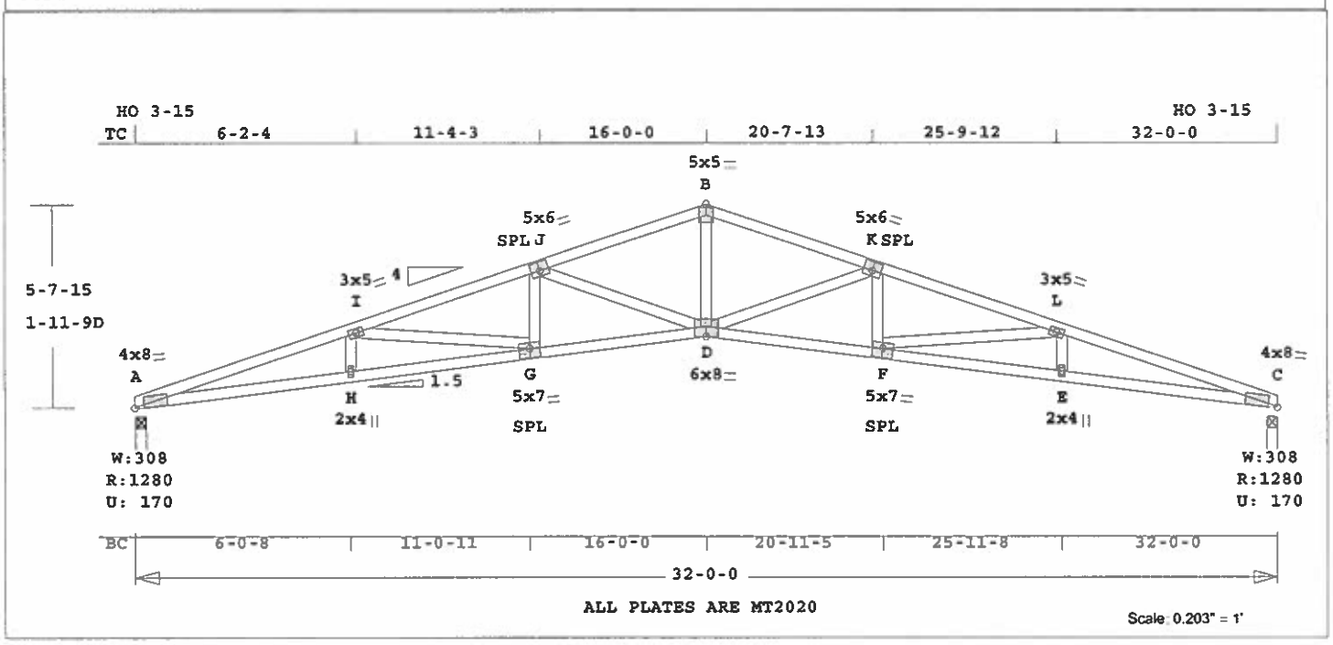
FL Cert. 6634

June 14,2011

ORegan, Philip 1 of 1

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ELIX-JODY	A1	41	SCIS	320000	4	0	0	T4101843

JODY



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 179.7 LBS

Online Plus -- Version 28.0.007
RUN DATE: 14-JUN-11

	CSI	Size	Lumber
TC	0.54	2x 4	SP-#2
BC	0.96	2x 4	SP-#2
WB	0.38	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	32- 0- 0
BC	Cont.	0- 0- 0	32- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1280	171 U	73 R
C	1280	171 U	73 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -I	0.54	4807 C	0.24	0.30
I -J	0.50	4078 C	0.18	0.32
J -B	0.35	3114 C	0.18	0.17
B -K	0.35	3114 C	0.18	0.17
K -L	0.50	4078 C	0.18	0.32
L -C	0.54	4808 C	0.24	0.30
Bottom Chords				
A -H	0.94	4587 T	0.77	0.17
H -G	0.96	4593 T	0.77	0.19
G -D	0.71	3905 T	0.65	0.06
D -F	0.71	3904 T	0.65	0.06
F -E	0.96	4593 T	0.77	0.19
E -C	0.94	4587 T	0.77	0.17
Webs				
H -I	0.02	167 T		
I -G	0.28	686 C		
G -J	0.05	354 T		
J -D	0.38	976 C		
D -B	0.31	1692 T		
D -K	0.38	976 C		
F -K	0.05	354 T		
F -L	0.28	686 C		
E -L	0.02	167 T		

TL Defl -1.12" in D -F L/335
LL Defl -0.45" in D -F L/839

Hz Disp	LL	DL	TL
Jt C	0.21"	0.32"	0.53"

Shear // Grain in I -J 0.21

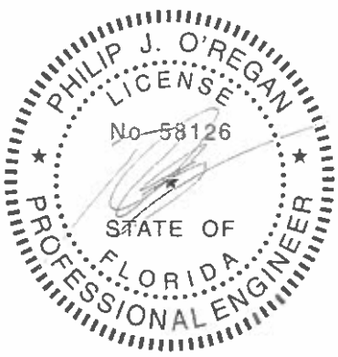
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 8.0	Ctr	Ctr	0.96
I	MT20	3.0x 5.0	Ctr	Ctr	0.35
J	MT20	5.0x 6.0	-0.2	0.5	0.46
B	MT20	5.0x 5.0	Ctr	Ctr	0.58
K	MT20	5.0x 6.0	0.2	0.5	0.46
L	MT20	3.0x 5.0	Ctr	Ctr	0.35
C	MT20	4.0x 8.0	Ctr	Ctr	0.96
H	MT20	2.0x 4.0	Ctr	Ctr	0.29
G	MT20	5.0x 7.0	0.1	-0.5	0.90
D	MT20	6.0x 8.0	Ctr	-0.5	0.66
F	MT20	5.0x 7.0	-0.1	-0.5	0.90
E	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
This truss has been designed for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 4808 Lbs
Max tens. force 4593 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.



FL Cert. 6634

June 14,2011

ONLINE PLUS GENERAL NOTES & SYMBOLS

108

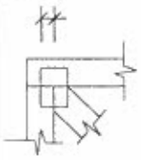
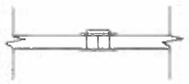


PLATE LOCATION

Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

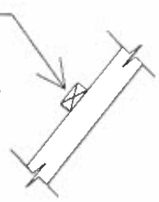
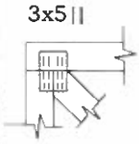


PLATE SIZE AND ORIENTATION

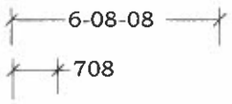
3x5||

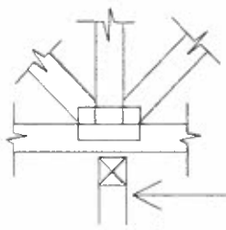


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Mitek Industries Inc. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI 1) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.

MiTek®
POWER TO PERFORM.™

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Tel: 813-972-1135
Fax: 813-971-6117

Important Notice: If visually graded lumber is used for the trusses covered by these designs, see "SPIB Important Notice, Dated July 28, 2010" (reprinted at www.mii.com) before use. MiTek does not warrant third-party lumber design values.

RE: ELIX-JODY -

MiTek Industries, Inc.
6904 Parke East Boulevard
Tampa, FL 33610-4115

Site Information:
Customer Info: JODY Project Name: JODY Model: ***BUILT 5/11***
Lot/Block: . Subdivision: .
Address: .
City: . State: FLORIDA

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2007 Design Program: OnLine Plus 28.0.007
Wind Code: ASCE 7-05 Wind Speed: 110 mph
Roof Load: 40.0 psf

This package includes 1 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T4101843	A1	6/14/011

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2013.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL Cert. 6634

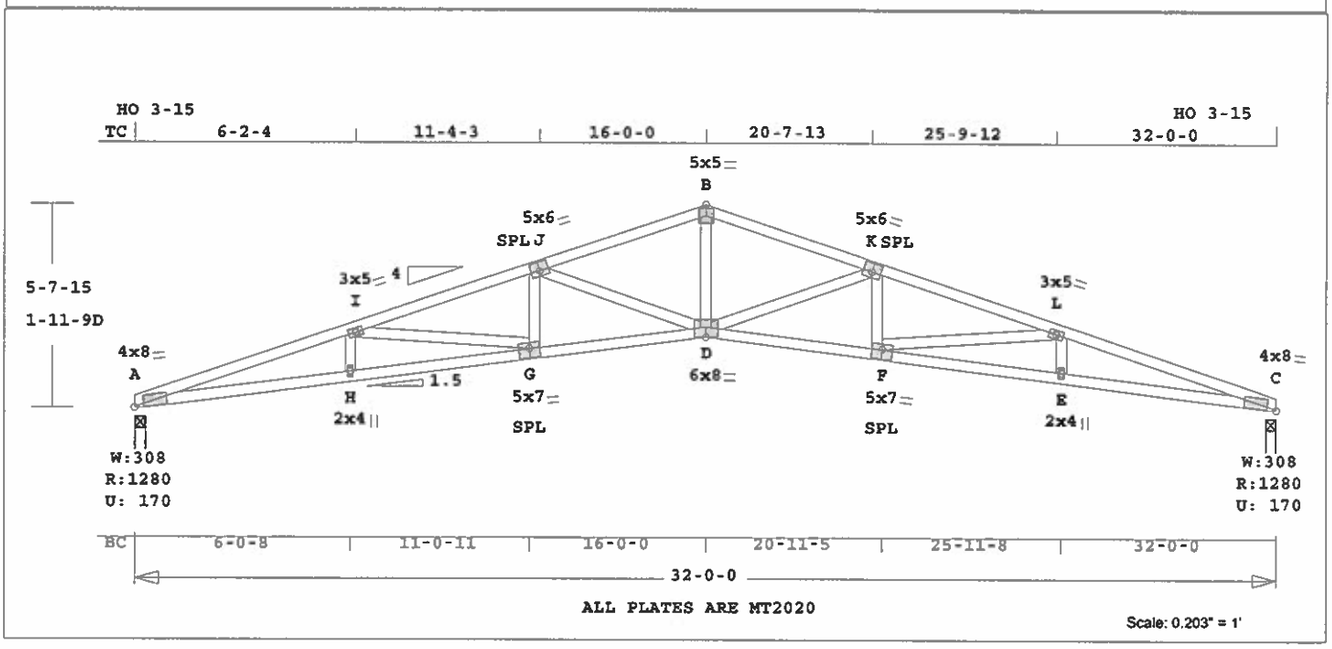
#1106-19

June 14,2011

ORegan, Philip 1 of 1

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ELIX-JODY	A1	41	SCIS	320000	4	0	0	T4101843

JODY



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 179.7 LBS

Online Plus -- Version 28.0.007
RUN DATE: 14-JUN-11

	CSI	Size	Lumber
TC	0.54	2x 4	SP-#2
BC	0.96	2x 4	SP-#2
WB	0.38	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	32- 0- 0
BC	Cont.	0- 0- 0	32- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1280	171 U	73 R
C	1280	171 U	73 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -I	0.54	4807 C	0.24		0.30
I -J	0.50	4078 C	0.18		0.32
J -B	0.35	3114 C	0.18		0.17
B -K	0.35	3114 C	0.18		0.17
K -L	0.50	4078 C	0.18		0.32
L -C	0.54	4808 C	0.24		0.30
Bottom Chords					
A -H	0.94	4587 T	0.77		0.17
H -G	0.96	4593 T	0.77		0.19
G -D	0.71	3905 T	0.65		0.06
D -F	0.71	3904 T	0.65		0.06
F -E	0.96	4593 T	0.77		0.19
E -C	0.94	4587 T	0.77		0.17
Webs					
H -I	0.02	167 T			
I -G	0.28	686 C			
G -J	0.05	354 T			
J -D	0.38	976 C			
D -B	0.31	1692 T			
D -K	0.38	976 C			
F -K	0.05	354 T			
F -L	0.28	686 C			
E -L	0.02	167 T			

TL Defl -1.12" in D -F L/335
LL Defl -0.45" in D -F L/839

Hz Disp	LL	DL	TL
Jt C	0.21"	0.32"	0.53"

Shear // Grain in I -J 0.21

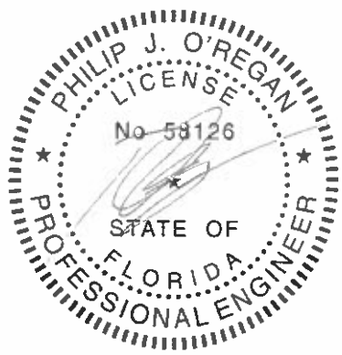
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 8.0	Ctr	Ctr	0.96
I	MT20	3.0x 5.0	Ctr	Ctr	0.35
J	MT20	5.0x 6.0-0.2	0.5		0.46
B	MT20	5.0x 5.0	Ctr	Ctr	0.58
K	MT20	5.0x 6.0 0.2	0.5		0.46
L	MT20	3.0x 5.0	Ctr	Ctr	0.35
C	MT20	4.0x 8.0	Ctr	Ctr	0.96
H	MT20	2.0x 4.0	Ctr	Ctr	0.29
G	MT20	5.0x 7.0 0.1-0.5			0.90
D	MT20	6.0x 8.0	Ctr-0.5		0.66
F	MT20	5.0x 7.0-0.1-0.5			0.90
E	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
This truss has been designed for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 4808 Lbs
Max tens. force 4593 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

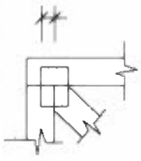


FL Cert. 6634

June 14,2011

ONLINE PLUS GENERAL NOTES & SYMBOLS

PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)

(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

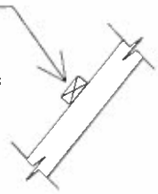
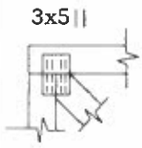


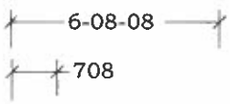
PLATE SIZE AND ORIENTATION

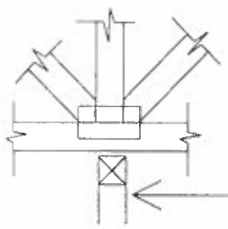


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Mitek Industries Inc. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI 1) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.

MiTek®
POWER TO PERFORM.™

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Tel: 813-972-1135
Fax: 813-971-6117

AS PER BK - TC - BARN PER BLUEPRINTS - $200.00

Columbia County Building Permit Application

For Office Use Only Application # 1106-19 Date Received 6/8/11 By LH Permit # 25998 / 1894

Zoning Official BLK Date 22 June 2011 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1' above River N/A Plans Examiner HD Date 6-20-11

Comments

☑ NOC ☑ EH ☐ Deed or PA ☑ Site Plan ☑ State Road Info ☐ Well letter (Existing) ☑ 911 Sheet ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter

IMPACT FEES: EMS Fire Corr ☐ Sub VF Form

Road/Code School = TOTAL (Suspended) ☑ App Fee Paid ☑ Owner Builder Disclosure

Septic Permit No. 11-0278-N Fax 386-752-5536

Name Authorized Person Signing Permit Ed Hicks Phone 386-623-0707

Address P.O. Box 238, Lake City, FL 32056

Owners Name Ed Hicks Phone 386-623-0707

911 Address 1777 SE County Road 245 Lake City FL 32025

Contractors Name SELF (Owner Builder) Phone

Address

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address GTC ENGINEERING

Mortgage Lenders Name & Address N/A

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

Property ID Number 11-4S-17-08315-001 Estimated Cost of Construction 25,000

Subdivision Name N/A Lot Block Unit Phase

Driving Directions Hwy 100 TO CR 245 1 MILE ON LEFT.

Number of Existing Dwellings on Property 0

Construction of "Barn" Total Acreage 25 Lot Size NA

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

Actual Distance of Structure from Property Lines - Front 1200 FT Side 250 FT Side 300 FT Rear 400 FT

Number of Stories 1 Heated Floor Area 1728 Total Floor Area 4,000 Roof Pitch 4:12

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. **CODE:** Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.

JW Left msg for Ed H. 555. 6.23.11

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

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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

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

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

N\A

Contractor's Signature (Permitee)

Contractor's License Number_____
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20___.

Personally known_____ or Produced Identification_____

SEAL:

State of Florida Notary Signature (For the Contractor)

NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Inst. 201112008611 Date:6/8/2011 Time:2:29 PM
DC,P DeWitt Cason,Columbia County Page 1 of 1 B:1215 P:2781

Tax Parcel Identification Number:

11-4S-17-08315-001

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

1. Description of property *(legal description)*: 22.25 Acres
   a) Street *(Job)* Address: 1777 SE CR 245 Lake City FL 32025
2. General description of improvements: Barn Construction
3. Owner Information
   a) Name and address: Ed Higgs
   b) Name and address of fee simple titleholder (if other than owner)
   c) Interest in property Owner
4. Contractor Information
   a) Name and address: Owner Builder
   b) Telephone No.: Fax No. (Opt.)
5. Surety Information
   a) Name and address: N/A
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: N/A
   b) Phone No.
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: N/A
   b) Telephone No.: Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
   a) Name and address: N/A
   b) Telephone No.: Fax No. (Opt.)
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

X 10. _____
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Ed Higgs
Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 8 day of June, 20 11, by: Ed Higgs as Owner (type of authority, e.g. officer, trustee, attorney fact) for Ed Higgs (name of party on behalf of whom instrument was executed).

Personally Known X OR Produced Identification ____ Type ____

Notary Signature _____ Notary Stamp or Seal:

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

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

Y _____
Signature of Natural Person Signing (in line #10 above.)

Attn: Connie

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000001894

DATE: 06/23/2011 BUILDING PERMIT NO. 29498

APPLICANT ED HIGGS PHONE 386.623.0707

ADDRESS POB 238 LAKE CITY FL 32056

OWNER ED HIGGS PHONE 386.623.0707

ADDRESS 1777 SE CR 245 LAKE CITY FL 32025

CONTRACTOR ED HIIGS PHONE 386.623.0707

LOCATION OF PROPERTY 90-E TO SR.100,TR TO C-245 AND IT'S 1 MILE ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 11-4S-17-08315-001

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE:

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

✓ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS:

SIGNED: John Merchant DATE: 28 June 11

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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

COLUMBIA COUNTY FLORIDA

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1106-19 CONTRACTOR Ed Nissl PHONE 623-0707

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name ____ License #:	Signature ____ Phone #:
MECHANICAL/ A/C ____	Print Name ____ License #:	Signature ____ Phone #:
PLUMBING/ GAS	Print Name ____ License #:	Signature ____ Phone #:
ROOFING	Print Name ____ License #:	Signature ____ Phone #:
SHEET METAL	Print Name ____ License #:	Signature ____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name ____ License#:	Signature ____ Phone #:
SOLAR	Print Name ____ License #:	Signature ____ Phone #:

Ed Nissl — Owners Signature

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

Ed Nissl — Owners Signature

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Inst. Number: 201012015179 Book: 1201 Page: 1868 Date: 9/21/2010 Time: 3:55:26 PM Page 1 of 2

Consideration $99,640.00

Rec. 18.50
Doc. 697.90

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

File No. 10-154

Part of Property Appraiser's Parcel Identification No.
R08315-000

Inst:201012015179 Date:9/21/2010 Time:3:55 PM
Doc Stamp-Deed: 697.90
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1201 P:1868

WARRANTY DEED

THIS INDENTURE, made this 20th day of September 2010, BETWEEN PRICE CREEK, LLC, a Florida Limited Liability Company, whose post office address is 2806 West US Highway 90, Suite 101, Lake City, Florida 32055, of the County of Columbia, State of Florida, grantor*, and CLYDE EDWARD HIGGS and his wife, DONNA S. HIGGS, whose post office address is Post Office Box 238, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten 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:

TOWNSHIP 4 SOUTH - RANGE 17 EAST

SECTION 11: Commence at the SW Corner of the NW 1/4 of the NW 1/4 of Section 11, Township 4 South, Range 17 East, Columbia County, Florida and run thence N 89°35'53"E, to an iron pin and cap on the East Right-of-Way Line of County Road No. 245; thence N 00°04'39"E, along said Right-of-Way Line, 28.77 feet to the POINT OF BEGINNING; thence N 88°55'54"E, 1569.38 feet to the centerline of a creek; thence follow along the centerline of said creek the following courses: thence N 34°08'54"E, 28.40 feet; thence N 04°11'54"E, 40.62 feet; thence N 34°05'27"E, 54.43 feet; thence N 35°15'40"W, 21.07 feet; thence N 20°51'37"E, 27.96 feet; thence N 62°36'51"E, 49.30 feet; thence N 17°55'55"E, 29.69 feet; thence N 18°24'23"W, 35.25 feet; thence N 23°07'18"E, 35.44 feet; thence N 30°00'01"W, 16.34 feet; thence N 09°58'14"E, 24.67 feet; thence N 31°07'24"E, 18.89 feet; thence N 30°35'46"W, 30.66 feet; thence N 00°48'35"E, 113.80 feet; thence N 14°56'13"E, 54.32 feet; thence N 35°24'02"E, 67.30 feet; thence N 42°28'56"E, 3.98 feet; thence leaving said creek centerline S 89°20'18"W, 1718.89 feet;

Inst. Number: 201012015179 Book: 1201 Page: 1869 Date: 9/21/2010 Time: 3:55:26 PM Page 2 of 2

thence S 00°04'39"W, 612.64 feet to the POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

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

"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in the presence of:

First Witness
Terry McDavid
(Printed Name)

Second Witness
Myrtle Ann McElroy
(Printed Name)

PRICE CREEK, LLC, a Florida Limited Liability Company

By: _____
Daniel Crappe
Managing Member

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 20th day of September 2010, by DANIEL CRAPPS, Managing Manager of PRICE CREEK, LLC, a Florida Limited Liability Company, on behalf of the company. He is personally known to me and did not take an oath.

Notary Public
My commission expires: _____

Columbia County Property Appraiser

DB Last Updated: 5/3/2011

2010 Tax Year

Tax Collector | Tax Estimator | Property Card | Parcel List Generator | Interactive GIS Map | Print

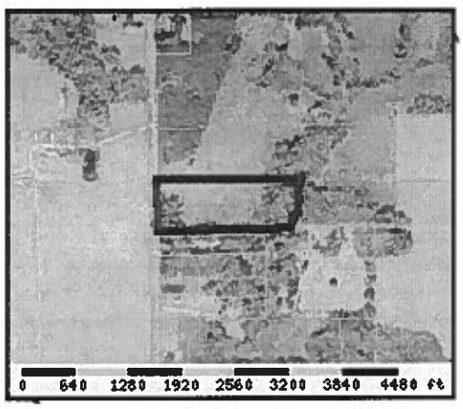
Parcel: 11-4S-17-08315-001

<< Next Lower Parcel | Next Higher Parcel >>

Search Result: 1 of 1

Owner & Property Info

Owner's Name	HIGGS CLYDE EDWARD & DONNA S		
Mailing Address	P O BOX 238 LAKE CITY, FL 32056		
Site Address	P O BOX 238		
Use Desc. (code)	TIMBERLAND (005500)		
Tax District	3 (County)	**Neighborhood**	11417
Land Area	22.250 ACRES	**Market Area**	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		
COMM SW COR OF NW1/4 OF NW1/4, RUN E TO E R/W OF CR-245, N 28.77 FT FOR POB, RUN EAST			



Property & Assessment Values

2010 Certified Values

There are no 2010 Certified Values for this parcel

2011 Working Values

NOTE:
2011 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Show Working Values

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
9/20/2010	1201/1868	WD	V	Q	01	$99,700.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
005500	TIMBER 2 (AG)	22.25 AC	1.00/1.00/1.00/1.00	$241.00	$5,362.00
009910	MKT.VAL.AG (MKT)	22.25 AC	1.00/1.00/1.00/1.00	$0.00	$78,773.00

Columbia County Property Appraiser DB Last Updated: 5/3/2011

1 of 1

Clyde & Donna Higgs

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: 5/19/2011 **DATE ISSUED:** 5/23/2011

ENHANCED 9-1-1 ADDRESS:

1777 SE COUNTY ROAD 245

LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

11-4S-17-08315-001

Remarks:

ADDRESS FOR PROPOSED STRUCTURE ON PARCEL.

Address Issued By: SIGNED: / RONAL N. CROFT
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.

1991

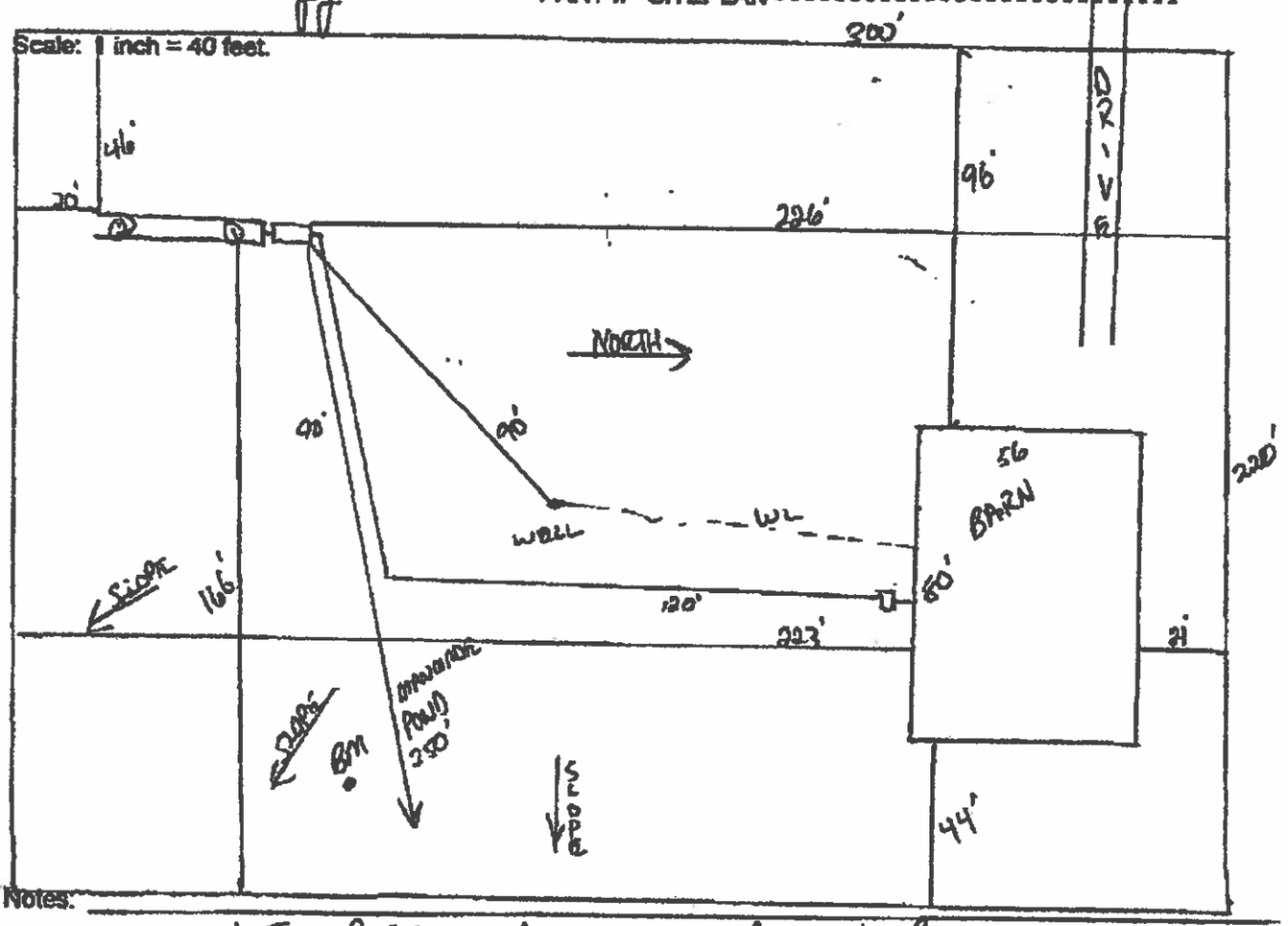
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 11-0278-N

Higgs

PART II - SITEPLAN

Scale: 1 inch = 40 feet.



Notes: 1.5 of 22.25 Acres Site Attached

Site Plan submitted by: [signature]

MASTER CONTRACTOR

Plan Approved X Not Approved ____ Date 6/16/11

By [signature] Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 08/09 (Obsoletes previous editions which may not be used) Incorporated: 64E-6.001, FAC
(Stock Number: 5744-002-4015-6)

SF

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
CONSTRUCTION PERMIT

PERMIT #: 12-SC-1354193
APPLICATION #: AP1038384
DATE PAID: 6/8/11
FEE PAID: 340.90
RECEIPT #: 1640398
DOCUMENT #: PR847639

CONSTRUCTION PERMIT FOR: OSTDS New

APPLICANT: CLYDE-11-0278 HIGGS

PROPERTY ADDRESS: SE CR 245 Lake City, FL 32025

LOT: _____ BLOCK: _____ SUBDIVISION: _____

PROPERTY ID #: 08316-001 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER] [OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [900] GALLONS / DWD Septic CAPACITY
A [ ] GALLONS / DWD N/A CAPACITY
N [ ] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK:1250 GALLONS]
K [ ] GALLONS DOSING TANK CAPACITY [ ]GALLONS @[ ]DOSES PER 24 HRS &pumps [ ]

D [280] SQUARE FEET Drainfield SYSTEM
R [ ] SQUARE FEET N/A SYSTEM
A TYPE SYSTEM: [x] STANDARD [ ] FILLED [ ] MOUND [ ] _____
I CONFIGURATION: [x] TRENCH [ ] BED [ ] _____
N
F LOCATION OF BENCHMARK: Nail in stump East of system site.
I ELEVATION OF PROPOSED SYSTEM SITE [10.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT
E BOTTOM OF DRAINFIELD TO BE [24.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT
L
D FILL REQUIRED: [4.00] INCHES EXCAVATION REQUIRED: [0.00] INCHES

O The licensed contractor installing the system is responsible for installing the minimum category of tank in accordance with
T s. 64E-6.013(3)(f), FAC.
H
E 911 address shall be required prior to final approval.
R

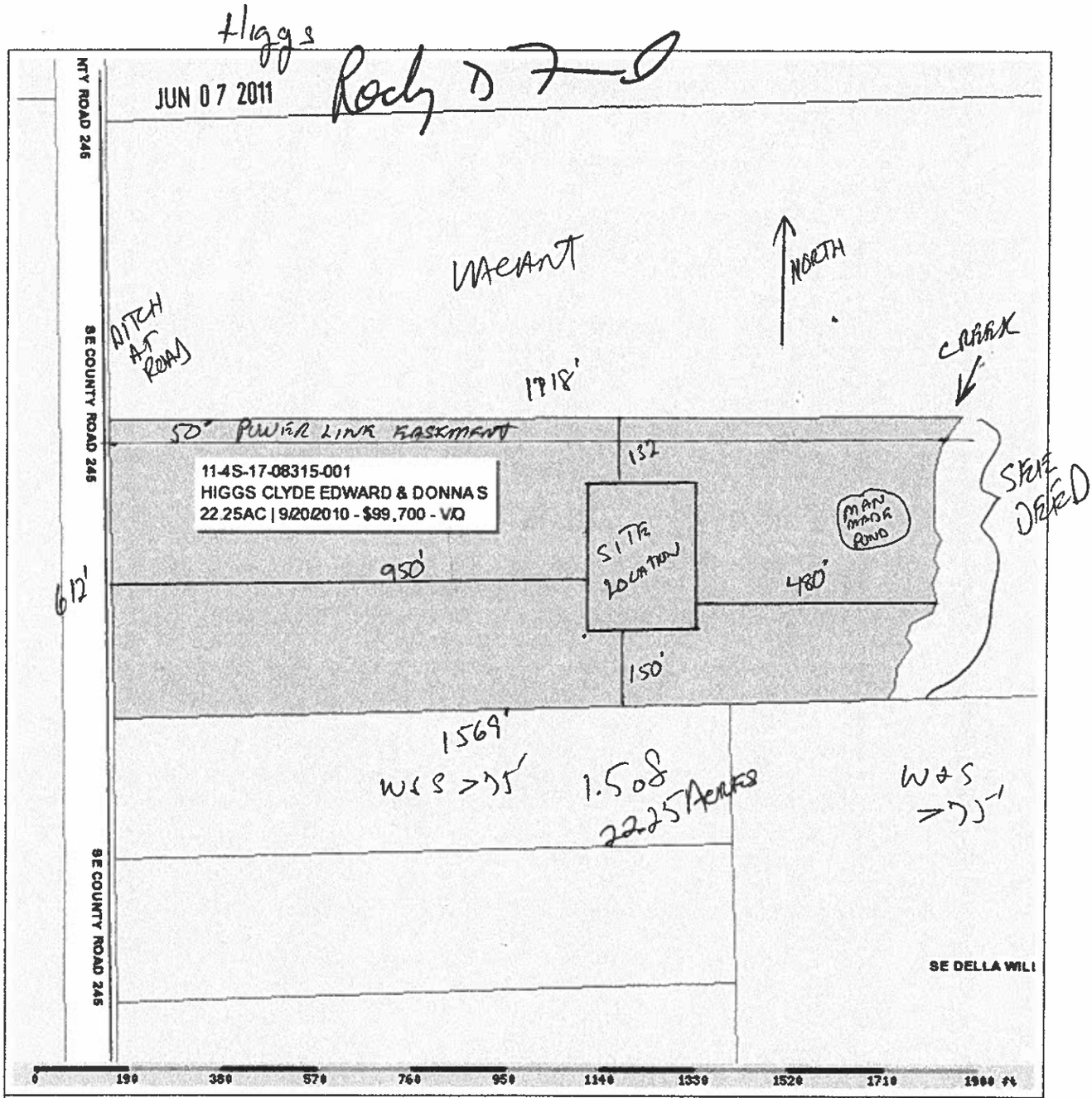
SPECIFICATIONS BY: Rocky D Ford TITLE: Master Contractor

APPROVED BY: Jeffrey K Pickard TITLE: Environmental Specialist I Columbia CHD

DATE ISSUED: 06/16/2011 EXPIRATION DATE: 12/16/2012

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)
Incorporated: 64E-6.003, FAC

v 3.1.4 AP1038384 SE846420



Columbia County Property Appraiser

J. Doyle Crews - Lake City, Florida 32055 | 386-758-1083

PARCEL: 11-4S-17-08315-001 - TIMBERLAND (005500)

COMM SW COR OF NW1/4 OF NW1/4, RUN E TO E R/W OF CR-245, N 28.77 FT FOR POB, RUN EAST

Name: HIGGS CLYDE EDWARD & DONNA S **2010 Certified Values**

Site: P O BOX 238

Mail: P O BOX 238
LAKE CITY, FL 32056

Sales Info 9/20/2010 $99,700.00 V / Q

There are no 2010 Certified Values for this parcel

NOTES:

COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

OWNER BUILDER DISCLOSURE STATEMENT

I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.

I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.

I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed and bonded in Florida and to list his or her license numbers on permits and contracts.

I understand that I may build or improve a one-family or two-family residence or farm outbuilding. I may also build or improve a commercial building if the costs do not exceed $75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease. If a building or residence that I have built or substantially improved myself is sold or leased with in 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.

I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.

I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

I understand that it is frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

I understand that I may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.

I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at 850-487-1395 or Internet website address http://www.myflorida.com/dbpr/pro/cilb/index.html for more information about licensed contractors.

I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:

1777 SE CR 245 Lake City fl 32025.

I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual of firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

I understand that if I hire subcontractors they must be licensed for that type of work in Columbia County, ex: framing, stucco, masonry, and state registered builders. Registered Contractors must have a minimum of $300,000.00 in General Liability insurance coverage and the proper workers' compensation. Specialty Contractors must have a minimum of $100,000.00 in General Liability insurance coverage and the proper workers' compensation coverage.

Before a building permit can be issued, this disclosure statement must be completed and signed by the property owner and returned to Columbia County Building Department.

TYPE OF CONSTRUCTION

( ) Single Family Dwelling   ( ) Two-Family Residence   (✓) Farm Outbuilding

( ) Addition, Alteration, Modification or other Improvement

( ) Commercial, Cost of Construction 25,000   Construction of Barn

( ) Other____________

I Ed Thomas__________, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes allowing this exception for the construction permitted by Columbia County Building Permit.

______________________   6-8-11
Owner Builder Signature   Date

NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification ____________

Notary Signature ______________ Date 6-8-11   (Seal)

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner builder has been given notice of the restriction stated above.

Building Official/Representative______________

Revised: 7-23-09
DISCLOSURE STATEMENT 09
Documents: B&Z Forms

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	PF11-066	Builder Name:	Ed Higgs
Street:		Permit Office:	Columbia
City, State, Zip:	, FL ,	Permit Number:	
Owner:	HIGGS	Jurisdiction:	22066
Design Location:	FL, Gainesville		

1. New construction or existing	New (From Plans)	9. Wall Types		Insulation	Area
2. Single family or multiple family	Single-family	a. Frame - Wood, Exterior		R=13.0	1866.70 ft²
3. Number of units, if multiple family	1	b. N/A		R=	ft²
4. Number of Bedrooms	1	c. N/A		R=	ft²
5. Is this a worst case?	No	d. N/A		R=	ft²
6. Conditioned floor area (ft²)	1664	10. Ceiling Types		Insulation	Area
7. Windows	Description / Area	a. Under Attic (Vented)		R=30.0	1664.00 ft²
a. U-Factor: / SHGC:	Dbl, U=0.35 / SHGC=0.38	45.00 ft²	b. N/A		R=	ft²
b. U-Factor: / SHGC:	Dbl, U=0.35 / SHGC=0.37	27.00 ft²	c. N/A		R=	ft²
c. U-Factor: / SHGC:	N/A	ft²	11. Ducts			
d. U-Factor: / SHGC:	N/A	ft²	a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 332.8 ft²			
e. U-Factor: / SHGC:	N/A	ft²	12. Cooling systems			
8. Floor Types	Insulation / Area		a. Central Unit		Cap: 36.0 kBtu/hr SEER: 13	
a. Slab-On-Grade Edge Insulation	R=0.0	1664.00 ft²	13. Heating systems			
b. N/A	R=	ft²	a. Electric Heat Pump		Cap: 36.0 kBtu/hr HSPF: 8.2	
c. N/A	R=	ft²	14. Hot water systems			
			a. Electric		Cap: 40 gallons EF: 0.92	
			b. Conservation features None			
			15. Credits		CF	

Glass/Floor Area: 0.043

Total As-Built Modified Loads: 31.61
Total Baseline Loads: 39.87

PASS

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

PREPARED BY: Gary Gill
DATE: 6/14/11

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: _____

- **Compliance requires an envelope leakage test report, by a Florida Class 1 Rater, in accordance with N1113.A.1.**

PROJECT

Title:	PF11-066	Bedrooms:	1	Adress Type:	Street Address
Building Type:	FLAsBuilt	Conditioned Area:	1664	Lot #	
Owner:	HIGGS	Total Stories:	1	SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	COLUMBIA
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	0.1 ft	0.01	1664 ft²	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Gable or shed	Composition shingles	1754 ft²	276 ft²	Light	0.96	No	0	18.4 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	303	1664 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1664 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	413.33 ft²		0.23	0.75
_____	2	E	Exterior	Frame - Wood	13	520 ft²		0.23	0.75
_____	3	S	Exterior	Frame - Wood	13	413.33 ft²		0.23	0.75
_____	4	W	Exterior	Frame - Wood	13	520 ft²		0.23	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
____	1	E	Wood	None	0.460000	48.02399
____	2	E	Wood	None	0.460000	48 ft²
____	3	N	Wood	None	0.460000	20 ft²

WINDOWS

Orientation shown is the entered, asBuilt orientation.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	W	Wood	Low-E Double	Yes	0.35	0.38	N	15 ft²	13 ft 0 in	0 ft 0 in	HERS 2006	None
____	2	S	Wood	Low-E Double	Yes	0.35	0.38	N	30 ft²	2 ft 0 in	12 ft 0 in	HERS 2006	None
____	3	E	Wood	Low-E Double	Yes	0.35	0.37	N	15 ft²	13 ft 0 in	0 ft 0 in	HERS 2006	None
____	4	E	Wood	Low-E Double	Yes	0.35	0.37	N	12 ft²	13 ft 0 in	0 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM	Exhaust CFM	Run Time Fraction	Fan Watts
____	Proposed ACH	0.00036	1571	5.15	86.3	162.2	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
____	1	Central Unit	None	SEER: 13	36 kBtu/hr	cfm	0.75	sys#1

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ducts
____	1	Electric Heat Pump		HSPF: 8.2	36 kBtu/hr	sys#1

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
____	1	Electric	0.92	40 gal	40 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
____	None	None			ft²		

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
____	1	Attic	6	332.8 ft	Attic	83.2 ft²	Default Leakage	Interior	(Default)	(Default) %		

TEMPERATURES

Programable Thermostat: N

Ceiling Fans:

Cooling	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
Heating	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
Venting	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS:	PERMIT #:
, FL,	

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	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 INDEX* = 79

The lower the EnergyPerformance Index, the more efficient the home.

, , FL,

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		1
5. Is this a worst case?		No
6. Conditioned floor area (ft²)		1664
7. Windows**	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.35 SHGC=0.38	45.00 ft²
b. U-Factor: SHGC:	Dbl, U=0.35 SHGC=0.37	27.00 ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1664.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1866.70 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1664.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 332.8 ft²

12. Cooling systems
a. Central Unit — Cap: 36.0 kBtu/hr SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 36.0 kBtu/hr HSPF: 8.2

14. Hot water systems
a. Electric — Cap: 40 gallons EF: 0.92
b. Conservation features
None

15. Credits — CF

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 Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 79

The lower the EnergyPerformance Index, the more efficient the home.

, , FL,

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		1
5. Is this a worst case?		No
6. Conditioned floor area (ft²)		1664
7. Windows**	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.35 SHGC=0.38	45.00 ft²
b. U-Factor: SHGC:	Dbl, U=0.35 SHGC=0.37	27.00 ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1664.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1866.70 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1664.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 332.8 ft²

12. Cooling systems
a. Central Unit — Cap: 36.0 kBtu/hr SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 36.0 kBtu/hr HSPF: 8.2

14. Hot water systems
a. Electric — Cap: 40 gallons EF: 0.92

b. Conservation features
None

15. Credits — CF

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: _____

Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

Florida Code Summary Report

HIGGS

, FL,
Registration #: 0

Title: PF11-066
FLAsBuilt

TMY City: FL_GAINESVILLE_R
Elec Util: Florida Average
Gas Util: Florida Average
Run Date:

Energy Uses	Baseline Home	As-Built Home	e-Ratio
Heating	3.46 MBtu	2.21 MBtu	0.64
Cooling	12.74 MBtu	10.03 MBtu	0.79
Hot Water	6.18 MBtu	6.08 MBtu	0.98
Total	22.38 MBtu	18.32 MBtu	0.82

Building Loads	Baseline Home	As-Built Home	e-Ratio
Heating	5.96 MBtu	3.81 MBtu*	0.64
Cooling	28.35 MBtu	22.33 MBtu*	0.79
Hot Water	5.56 MBtu	5.47 MBtu*	0.98
Total	39.87 MBtu	31.61 MBtu	0.79

* normalized modified loads

Glass/Floor Area: 0.043	Total As-Built Modified Loads: 31.61	**PASS**
	Total Baseline Loads: 39.87	

Building Input Summary Report

PROJECT

Title:	PF11-066	Bedrooms:	1	Adress Type:	Street Address
Building Type:	User	Bathrooms:	0	Lot #	
Owner:	HIGGS	Conditioned Area:	1664	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:		Worst Case:	No	Street:	
Permit Office:		Rotate Angle:	0	County:	COLUMBIA
Jurisdiction:		Cross Ventilation:		City, State, Zip:	.
Family Type:	Single-family	Whole House Fan:			FL ,
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

Design Location	Tmy Site	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
FL_Gainesville	FL_GAINESVILLE_REGIONAL_AP	32	92	70	75	1305.5	51	Medium

UTILITY RATES

Fuel	Unit	Utility Name	Monthly Fixed Cost	$/Unit
Electricity	kWh	Florida Average	0	0.09
Natural Gas	Therm	Florida Average	0	1.72
Fuel Oil	Gallon	Florida Default	0	1.1
Propane	Gallon	Florida Default	0	1.4

SURROUNDINGS

Ornt	Type	Shade Trees Height	Shade Trees Width	Shade Trees Distance	Adjacent Buildings Exist	Adjacent Buildings Height	Adjacent Buildings Width	Adjacent Buildings Distance
N	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
NE	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
E	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
SE	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
S	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
SW	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
W	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
NW	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft

FLOORS

#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
1	Slab-On-Grade Edge Insulatio	0.1 ft	0.01	1664 ft²	0	0	1

ROOF

#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
1	Gable or shed	Composition shingles	1754 ft²	276 ft²	Light	0.58	No	0	18.4 deg

ATTIC

#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
1	Full attic	Vented	303	1664 ft²	N	N

Building Input Summary Report

CEILING

#	Ceiling Type	R-Value	Area	Framing Fraction	Truss Type
1	Under Attic (Vented)	30	1664 ft²	0.11	Wood

WALLS

Wall orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
1	N	Exterior	Frame - Wood	13	32		12	11	413.33 ft²		0.23	0.75
2	E	Exterior	Frame - Wood	13	52		10		520 ft²		0.23	0.75
3	S	Exterior	Frame - Wood	13	32		12	11	413.33 ft²		0.23	0.75
4	W	Exterior	Frame - Wood	13	52		10		520 ft²		0.23	0.75

DOORS

#	Ornt	Door Type	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
1	E	Wood	None	0.46	7.199		6.667		48.02 ft²
2	E	Wood	None	0.46	7.199		6.667		48 ft²
3	N	Wood	None	0.46	3		6	8	20 ft²

WINDOWS

#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storm	Area	Overhang Depth	Overhang Separation	Interior Shade	Screening
1	W	Wood	Low-E Double	Yes	0.35	0.38	N	15 ft²	13 ft 0 in	0 ft 0 in	Drapes/blinds	None
2	S	Wood	Low-E Double	Yes	0.35	0.38	N	30 ft²	2 ft 0 in	12 ft 0 in	Drapes/blinds	None
3	E	Wood	Low-E Double	Yes	0.35	0.37	N	15 ft²	13 ft 0 in	0 ft 0 in	Drapes/blinds	None
4	E	Wood	Low-E Double	Yes	0.35	0.37	N	12 ft²	13 ft 0 in	0 ft 0 in	Drapes/blinds	None

INFILTRATION & VENTING

Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50	---- Forced Ventilation ---- Supply	Exhaust	Run Time	Terrain/Wind Shielding
Proposed ACH	0.00000	0	0.0	0.0	0.000	0.00	0	0	0	Suburban / Suburban

MASS

Mass Type	Area	Thickness	Furniture Fraction
No Added Mass	0 ft²	0 ft	0.3

COOLING SYSTEM

#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
1	Central Unit	None	SEER: 13	36 kBtu/hr	cfm	0.75	False

HEATING SYSTEM

#	System Type	Subtype	Efficiency	Capacity	Ductless
1	Electric Heat Pump		HSPF: 8.2	36 kBtu/hr	False

Building Input Summary Report

HOT WATER SYSTEM

#	System Type	EF	Cap	Use	SetPnt	Credits
1	Electric	0.92	40 gal	40 gal	120 deg	None

SOLAR HOT WATER

Collector Type	Collector Tilt	Azimuth	Surface Area	Loss Coef.	Absorp. Prod.	Trans Corr.	Tank Volume	Tank U-Value	Tank Surf Area	Heat Exch Eff	PV Pumped	Pump Energy

DUCTS

#	Supply Location	Supply R-Value	Supply Area	Return Location	Return Area	Number	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
1	Attic	6	332.8 ft²	Attic	83.2 ft²	(invalid)	Default Leakage	Interior	(Default)	(Default)		

TEMPERATURES

Programable Thermostat: N Ceiling Fans: N

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	80	80	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	80	80	78	78	78	78	78	78	78	78
Heating (WD)	AM	65	65	65	65	65	65	65	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	65	65	65	65	65	65	65	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

Building Input Summary Report

APPLIANCES & LIGHTING

Appliance Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Ceiling Fans (Summer)	AM	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.33	0.33	0.33	0.33	0.33
% Released: 100	PM	0.33	0.33	0.33	0.33	0.33	1	0.9	0.9	0.9	0.9	0.9	0.65
Annual Use: 0 kWh/Yr					Peak Value: 0 Watts								
Clothes Washer	AM	0.105	0.081	0.046	0.046	0.081	0.128	0.256	0.57	0.849	1	0.977	0.872
% Released: 60	PM	0.779	0.698	0.605	0.57	0.581	0.57	0.57	0.57	0.57	0.488	0.43	0.198
Annual Use: 0 kWh/Yr					Peak Value: 0 Watts								
Dishwasher	AM	0.139	0.05	0.028	0.024	0.029	0.09	0.169	0.303	0.541	0.594	0.502	0.443
% Released: 60	PM	0.377	0.396	0.335	0.323	0.344	0.448	0.791	1	0.8	0.597	0.383	0.281
Annual Use: 0 kWh/Yr					Peak Value: 0 Watts								
Dryer	AM	0.2	0.1	0.05	0.05	0.05	0.075	0.2	0.375	0.5	0.8	0.95	1
% Released: 10	PM	0.875	0.85	0.8	0.625	0.625	0.6	0.575	0.55	0.625	0.7	0.65	0.375
Annual Use: 891 kWh/Yr					Peak Value: 200 Watts								
Lighting	AM	0.16	0.15	0.16	0.18	0.23	0.45	0.4	0.26	0.19	0.16	0.12	0.11
% Released: 90	PM	0.16	0.17	0.25	0.27	0.34	0.55	0.55	0.88	1	0.86	0.51	0.28
Annual Use: 0 kWh/Yr					Peak Value: 0 Watts								
Miscellaneous	AM	0.48	0.47	0.47	0.47	0.47	0.47	0.64	0.71	0.67	0.61	0.55	0.53
% Released: 90	PM	0.52	0.5	0.5	0.5	0.59	0.73	0.79	0.99	1	0.96	0.77	0.55
Annual Use: 7047 kWh/Yr					Peak Value: 1292 Watts								
Pool Pump	AM	0	0	0	0	0	0	0	0	0	1	1	1
% Released: 0	PM	1	1	1	1	0	0	0	0	0	0	0	0
Annual Use: 0 kWh/Yr					Peak Value: 0 Watts								
Range	AM	0.057	0.057	0.057	0.057	0.057	0.114	0.171	0.286	0.343	0.343	0.343	0.4
% Released: 100	PM	0.457	0.343	0.286	0.4	0.571	1	0.857	0.429	0.286	0.229	0.171	0.114
Annual Use: 447 kWh/Yr					Peak Value: 165 Watts								
Refrigeration	AM	0.85	0.78	0.75	0.73	0.73	0.73	0.75	0.75	0.8	0.8	0.8	0.8
% Released: 100	PM	0.88	0.85	0.85	0.83	0.88	0.95	1	0.98	0.95	0.93	0.9	0.85
Annual Use: 1028 kWh/Yr					Peak Value: 140 Watts								
Well Pump	AM	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1
% Released: 0	PM	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Annual Use: 0 kWh/Yr					Peak Value: 0 Watts								

Monthly Summary Energy Use Report

HIGGS

, FL,
Registration #: 0

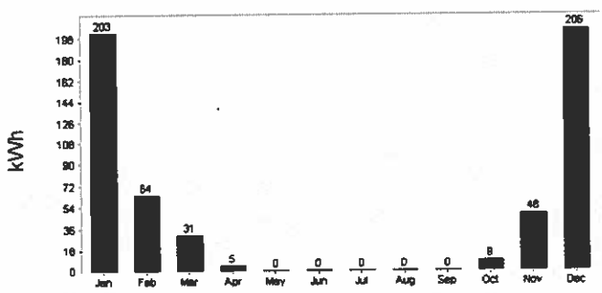
Title: PF11-066
FLAsBuilt

TMY City: FL_GAINESVILLE_R
Elec Util: Florida Average
Gas Util: Florida Average
Run Date: 06/14/2011 09:56:11

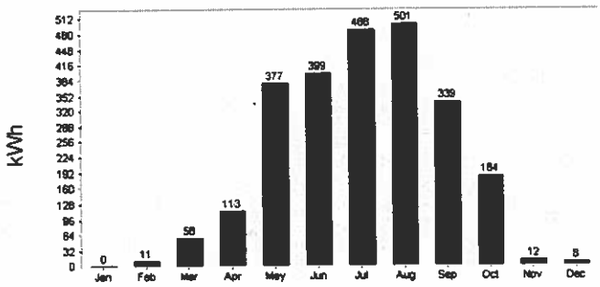
End-Use	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Cooling	kWh	0	11	58	113	377	399	488	501	339	184	12	8	2439
Cooling Fan	kWh	0	2	12	23	77	82	101	103	69	38	3	2	501
Cooling Vent Fan	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Heating	kWh	203	64	31	5	0	0	0	0	0	9	48	206	566
Heating Fan/Pump	kWh	30	9	4	1	0	0	0	0	0	1	6	30	81
Heating Vent Fan	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Hot Water	kWh	179	160	170	152	143	127	125	126	128	145	154	172	1782
Hot Water Pump	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceiling Fans	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Clothes Washer	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Dishwasher	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Dryer	kWh	76	68	76	73	76	73	76	76	73	76	73	76	891
Lighting	kWh	152	137	152	147	152	147	152	152	147	152	147	152	1786
Miscellaneous	kWh	252	228	252	244	252	244	252	252	244	252	244	252	2966
Pool Pump	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Range	kWh	38	34	38	37	38	37	38	38	37	38	37	38	447
Refrigerator	kWh	66	59	66	64	66	64	66	66	64	66	64	66	775
Photovoltaics	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost	$	90	69	77	77	107	105	117	118	100	87	71	91	1101

Total kWh	12234	$1101
Total Therms	0	$0
Total Oil Gallons	0	$0
Total Propane Gallons	0	$0
Total PV Produced	0	$0

Heating Energy Use



Cooling Energy Use



Monthly Summary Utility Bill Report

HIGGS

, FL,
Registration #: 0

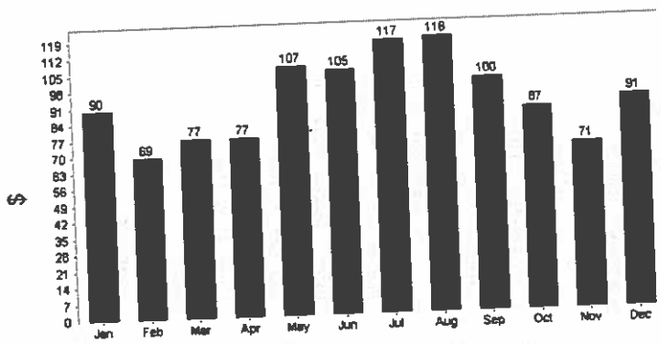
Title: PF11-066
FLAsBuilt

TMY City: FL_GAINESVILLE_R
Elec Util: Florida Average
Gas Util: Florida Average
Run Date: 06/14/2011 09:56:11

End-Use	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Cooling	0	1	5	10	34	36	44	45	31	17	1	1	$220
Cooling Fan	0	0	1	2	7	7	9	9	6	3	0	0	$45
Cooling Vent Fan	0	0	0	0	0	0	0	0	0	0	0	0	$0
Heating	0	0	0	0	0	0	0	0	0	1	4	19	$51
Heat Fan/Pump	18	6	3	0	0	0	0	0	0	0	1	3	$7
Heat Vent Fan	3	1	0	0	0	0	0	0	0	0	0	0	$0
Hot Water	0	0	0	0	0	0	0	0	0	0	0	0	$0
Hot Water Pump	16	14	15	14	13	11	11	11	12	13	14	15	$160
Ceiling Fans	0	0	0	0	0	0	0	0	0	0	0	0	$0
Clothes Washer	0	0	0	0	0	0	0	0	0	0	0	0	$0
Dishwahser	0	0	0	0	0	0	0	0	0	0	0	0	$0
Dryer	7	6	7	7	7	7	7	7	7	7	7	7	$80
Lighting	14	12	14	13	14	13	14	14	13	14	13	14	$161
Miscellaneous	23	21	23	22	23	22	23	23	22	23	22	23	$267
Pool Pump	0	0	0	0	0	0	0	0	0	0	0	0	$0
Range	3	3	3	3	3	3	3	3	3	3	3	3	$40
Refrigerator	6	5	6	6	6	6	6	6	6	6	6	6	$70
Photovoltaics	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost by Month	90	69	77	77	107	105	117	118	100	87	71	91	$1101

Total kWh	12234	$1101
Total Therms	0	$0
Total Oil Gallons	0	$0
Total Propane Gallons	0	$0
Total PV Produced	0	$0

Monthly Utility Bill



Residential System Sizing Calculation

Summary

HIGGS

, FL

Project Title:
PF11-066

Code Only
Professional Version
Climate: North

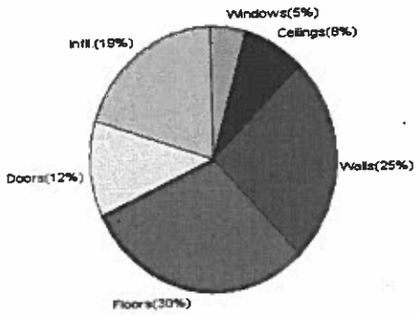
6/14/2011

Location for weather data: Orlando - Defaults: Latitude(28) Altitude(100 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (76F) Humidity difference(46gr.)					
Winter design temperature	42	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	28	F	Summer temperature difference	18	F
Total heating load calculation	**18310**	**Btuh**	**Total cooling load calculation**	**22395**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	196.6	36000	Sensible (SHR = 0.75)	152.6	27000
Heat Pump + Auxiliary(0.0kW)	196.6	36000	Latent	191.4	9000
			Total (Electric Heat Pump)	160.8	36000

WINTER CALCULATIONS

Winter Heating Load (for 1664 sqft)

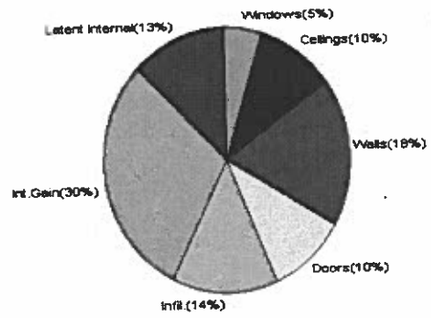
Load component			Load	
Window total	87	sqft	901	Btuh
Wall total	1866	sqft	4637	Btuh
Door total	144	sqft	2177	Btuh
Ceiling total	1664	sqft	1484	Btuh
Floor total	168	sqft	5551	Btuh
Infiltration	116	cfm	3559	Btuh
Duct loss			0	Btuh
Subtotal			**18310**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**18310**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1664 sqft)

Load component			Load	
Window total	87	sqft	1176	Btuh
Wall total	1866	sqft	4058	Btuh
Door total	144	sqft	2255	Btuh
Ceiling total	1664	sqft	2279	Btuh
Floor total			0	Btuh
Infiltration	61	cfm	1204	Btuh
Internal gain			6720	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**17692**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			1903	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			2800	Btuh
Total latent gain			**4703**	**Btuh**
TOTAL HEAT GAIN			**22395**	**Btuh**



Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: _____

Residential Window Diversity

MidSummer

HIGGS

, FL

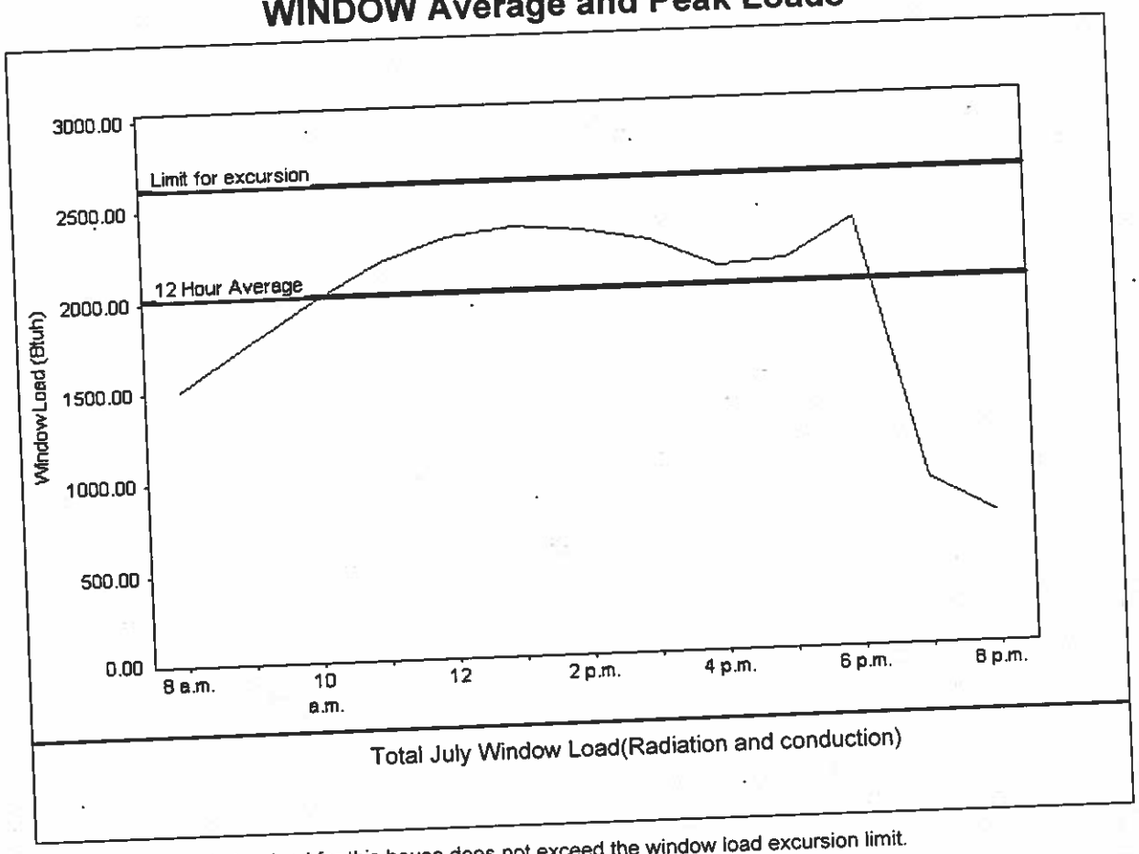
Project Title:
PF11-066

Code Only
Professional Version
Climate: North

6/14/2011

Weather data for: Orlando - Defaults			
Summer design temperature	93 F	Average window load for July	2021 Btuh
Summer setpoint	75 F	Peak window load for July	2366 Btuh
Summer temperature difference	18 F	Excusion limit(130% of Ave.)	2627 Btuh
Latitude	28 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: _____

DATE: _____

Residential Window Diversity

October

HIGGS

, FL

Project Title:
PF11-066

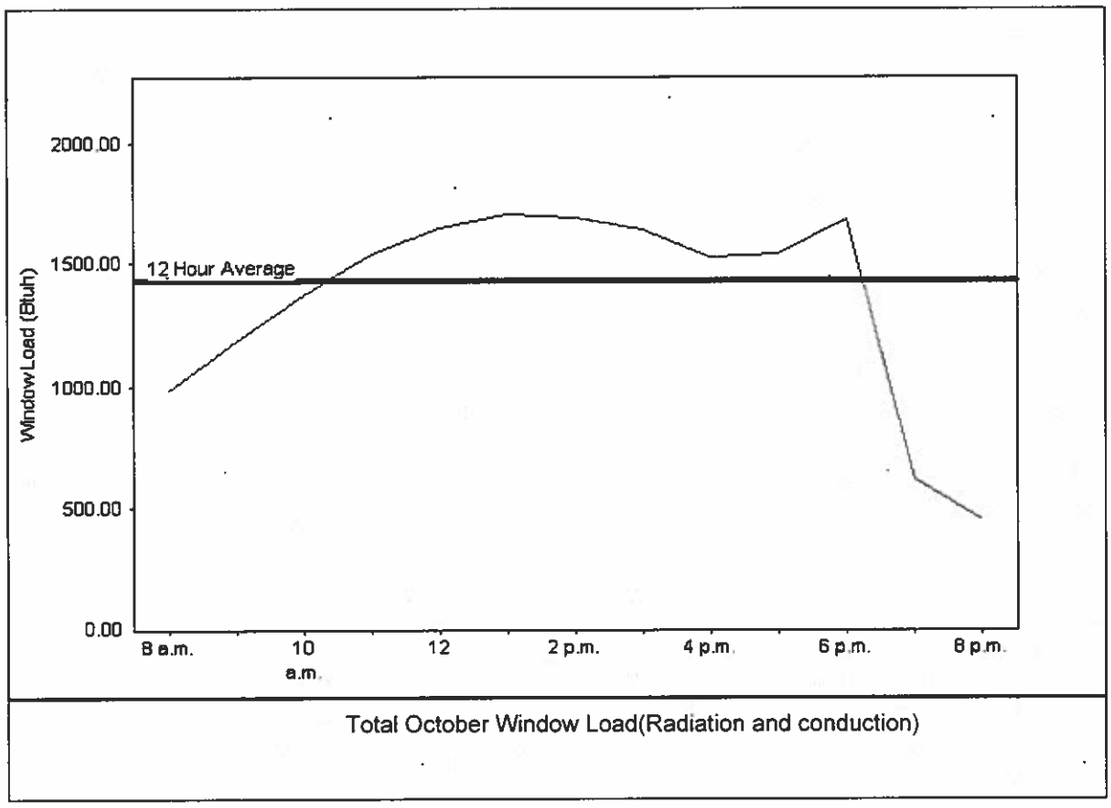
Code Only
Professional Version
Climate: North

6/14/2011

Weather data for: Orlando - Defaults

Summer design temperature	93 F	Average window load for October	1426 Btuh
Summer setpoint	75 F	Peak window load for October	1701 Btuh
Summer temperature difference	18 F	Excusion limit(130% of Ave.)	2627 Btuh
Latitude	28 North	Window excursion (October)	None

WINDOW Average and Peak Loads



Total October Window Load(Radiation and conduction)

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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

Residential Window Diversity

Detailed

HIGGS

, FL

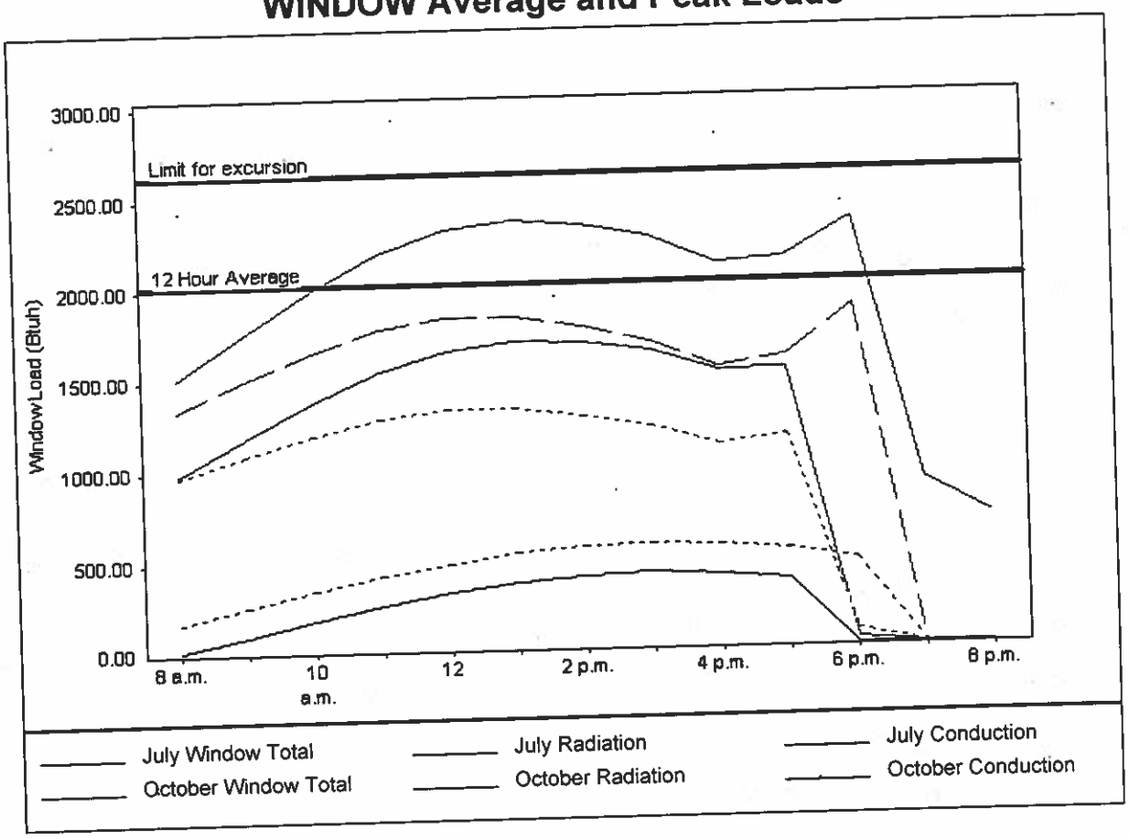
Project Title:
PF11-066

Code Only
Professional Version
Climate: North

6/14/2011

Weather data for: Orlando - Defaults			
Summer design temperature	93 F	Average window load for July	2021 Btuh
Summer setpoint	75 F	Peak window load for July	2366 Btuh
Summer temperature difference	18 F	Excusion limit(130% of Ave.)	2627 Btuh
Latitude	28 North	Window excursion (July)	None

WINDOW Average and Peak Loads



EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

Residential Window Diversity

System1

Project Title:
PF11-066

HIGGS

, FL

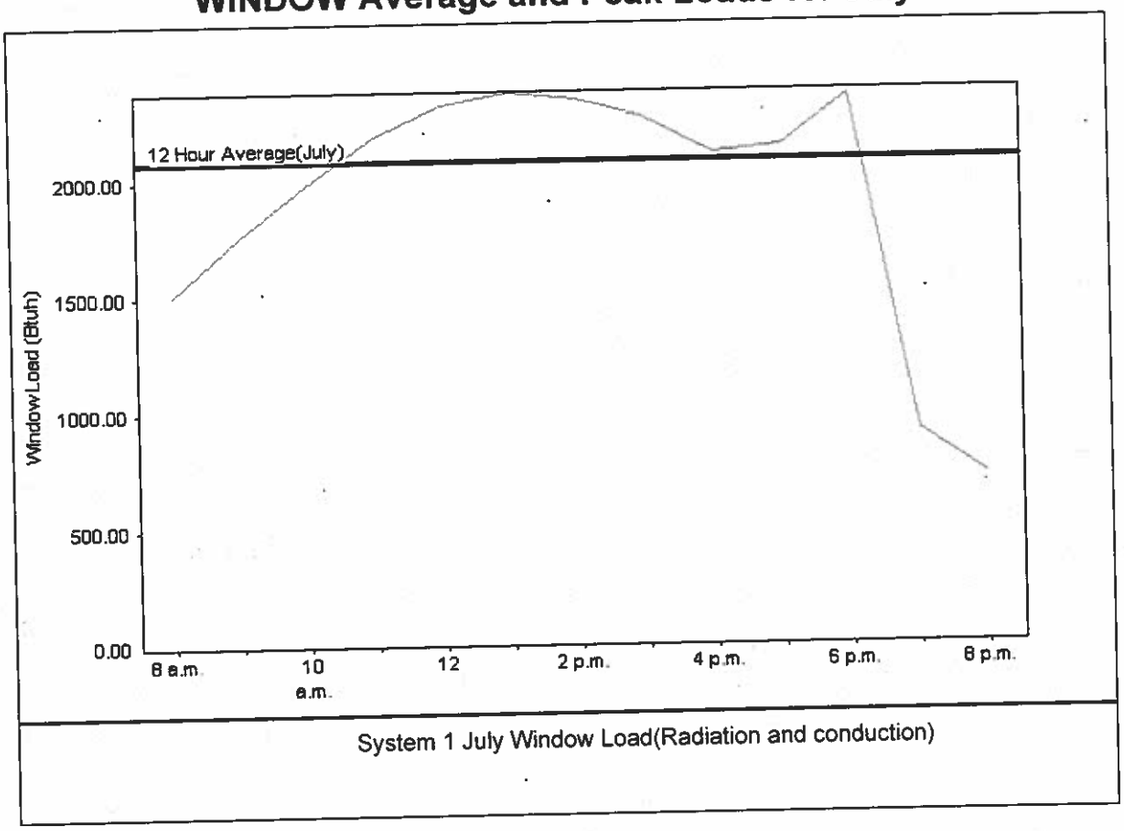
Code Only
Professional Version
Climate: North

6/14/2011

Weather data for: Orlando - Defaults

Summer design temperature	93 F	Ave. system window load for July	2080 Btuh
Summer setpoint	75 F	Peak system load for July	2366 Btuh
Summer temperature difference	18 F	Excusion limit(130% of Ave.)	2704 Btuh
Latitude	28 North	Window excursion (July)	None

WINDOW Average and Peak Loads for July



System 1 July Window Load(Radiation and conduction)

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

HIGGS
, FL

Project Title:
PF11-066

Code Only
Professional Version
Climate: North

6/14/2011

Reference City: Orlando (Defaults) Winter Temperature Difference: 28.0 F

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.37	E	12.0	10.4	124 Btuh
2	2, Clear, Metal, 0.37	E	15.0	10.4	155 Btuh
3	2, Clear, Metal, 0.37	N	30.0	10.4	311 Btuh
4	2, Clear, Metal, 0.37	N	30.0	10.4	311 Btuh
	Window Total		87(sqft)		901 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	413	2.5	1026 Btuh
2	Frame - Wood - Ext(0.09)	13.0	520	2.5	1292 Btuh
3	Frame - Wood - Ext(0.09)	13.0	413	2.5	1026 Btuh
4	Frame - Wood - Ext(0.09)	13.0	520	2.5	1292 Btuh
	Wall Total		1866		4637 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exterior		144	15.1	2177 Btuh
	Door Total		144		2177Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shin	30.0	1664	0.9	1484 Btuh
	Ceiling Total		1664		1484Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0.01	168.0 ft(p)	33.0	5551 Btuh
	Floor Total		168		5551 Btuh
			Envelope Subtotal:		14751 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.38	18304	1866	115.9	3559 Btuh
Ductload				(DLM of 0.000)		0 Btuh
All Zones			**Sensible Subtotal All Zones**			**18310 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	18310 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	18310 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

HIGGS
, FL

Project Title:
PF11-066

Code Only
Professional Version
Climate: North

6/14/2011

EQUIPMENT

1. Electric Heat Pump	#	36000 Btuh

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

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

HIGGS
, FL

Project Title:
PF11-066

Code Only
Professional Version
Climate: North

Reference City: Orlando (Defaults) Summer Temperature Difference: 18.0 F

6/14/2011

Component Loads for Whole House

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.37, B-M, N,N	E	13.0	0ft.	12.0	12.0	0.0	14	50	162 Btuh
2	2, Clear, 0.37, B-M, N,N	E	13.0	0ft.	15.0	15.0	0.0	14	50	203 Btuh
3	2, Clear, 0.37, B-M, N,N	N	2ft.	6ft.	30.0	0.0	30.0	14	14	406 Btuh
4	2, Clear, 0.37, B-M, N,N	N	13ft.	0ft.	30.0	0.0	30.0	14	14	406 Btuh
	Window Total				87 (sqft)					1176 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	413.0	2.2	898 Btuh
2	Frame - Wood - Ext	13.0/0.09	520.0	2.2	1131 Btuh
3	Frame - Wood - Ext	13.0/0.09	413.0	2.2	898 Btuh
4	Frame - Wood - Ext	13.0/0.09	520.0	2.2	1131 Btuh
	Wall Total		1866 (sqft)		4058 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Wood - Exterior	144.0	15.7	2255 Btuh
	Door Total	144 (sqft)		2255 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle	30.0	1664.0	1.4	2279 Btuh
	Ceiling Total		1664 (sqft)		2279 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

			Envelope Subtotal:		9768 Btuh
Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.20	18304	1866	115.9	1204 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		2	X 230	+	6260	6720 Btuh
			Sensible Envelope Load:			17692 Btuh
Duct load			(DGM of 0.000)			0 Btuh
			Sensible Load All Zones			**17692 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

HIGGS
, FL

Project Title:
PF11-066

Code Only
Professional Version
Climate: North

6/14/2011

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**17692 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**17692 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**17692 Btuh**
	Latent infiltration gain (for 46 gr. humidity difference)	1903 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	2400 Btuh
	Latent total gain	**4703 Btuh**
	TOTAL GAIN	**22395 Btuh**

EQUIPMENT

1. Central Unit	#	36000 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)

Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

HIGGS
, FL

Project Title:
PF11-066

Code Only
Professional Version
Climate: North

Reference City: Orlando (Defaults) Winter Temperature Difference: 28.0 F

6/14/2011

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.37	E	12.0	10.4	124 Btuh
2	2, Clear, Metal, 0.37	E	15.0	10.4	155 Btuh
3	2, Clear, Metal, 0.37	N	30.0	10.4	311 Btuh
4	2, Clear, Metal, 0.37	N	30.0	10.4	311 Btuh
	Window Total		87(sqft)		901 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	413	2.5	1026 Btuh
2	Frame - Wood - Ext(0.09)	13.0	520	2.5	1292 Btuh
3	Frame - Wood - Ext(0.09)	13.0	413	2.5	1026 Btuh
4	Frame - Wood - Ext(0.09)	13.0	520	2.5	1292 Btuh
	Wall Total		1866		4637 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exterior		144	15.1	2177 Btuh
	Door Total		144		2177Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shin	30.0	1664	0.9	1484 Btuh
	Ceiling Total		1664		1484Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0.01	168.0 ft(p)	33.0	5551 Btuh
	Floor Total		168		5551 Btuh
			Zone Envelope Subtotal:		14751 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.38	18304	1866	115.9	3559 Btuh
Ductload	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond.)DLM of 0.000)				0 Btuh
Zone #1	**Sensible Zone Subtotal**				**18310 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	18310 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	18310 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

HIGGS
, FL

Project Title:
PF11-066

Code Only
Professional Version
Climate: North

6/14/2011

EQUIPMENT

1. Electric Heat Pump	#	36000 Btuh

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

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

HIGGS
, FL

Project Title:
PF11-066

Code Only
Professional Version
Climate: North

Reference City: Orlando (Defaults) Summer Temperature Difference: 18.0 F

6/14/2011

Component Loads for Zone #1: Main

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.37, B-M, N,N	E	13.0	0ft.	12.0	12.0	0.0	14	50	162 Btuh
2	2, Clear, 0.37, B-M, N,N	E	13.0	0ft.	15.0	15.0	0.0	14	50	203 Btuh
3	2, Clear, 0.37, B-M, N,N	N	2ft.	6ft.	30.0	0.0	30.0	14	14	406 Btuh
4	2, Clear, 0.37, B-M, N,N	N	13ft.	0ft.	30.0	0.0	30.0	14	14	406 Btuh
	Window Total				87 (sqft)					1176 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	413.0	2.2	898 Btuh
2	Frame - Wood - Ext	13.0/0.09	520.0	2.2	1131 Btuh
3	Frame - Wood - Ext	13.0/0.09	413.0	2.2	898 Btuh
4	Frame - Wood - Ext	13.0/0.09	520.0	2.2	1131 Btuh
	Wall Total		1866 (sqft)		4058 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Wood - Exterior	144.0	15.7	2255 Btuh
	Door Total	144 (sqft)		2255 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle	30.0	1664.0	1.4	2279 Btuh
	Ceiling Total		1664 (sqft)		2279 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:		9768 Btuh
Infiltration	Type	ACH	Volume(cuft) wall area(sqft)	CFM=	Load
	SensibleNatural	0.20	18304 1866	61.0	1204 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		2	X 230 +	6260	6720 Btuh
			Sensible Envelope Load:		17692 Btuh
Duct load	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)			(DGM of 0.000)	0 Btuh
			Sensible Zone Load		**17692 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

HIGGS
, FL

Project Title:
PF11-066

Code Only
Professional Version
Climate: North

6/14/2011

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**17692 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**17692 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**17692 Btuh**
	Latent infiltration gain (for 46 gr. humidity difference)	1903 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	2400 Btuh
	Latent total gain	**4703 Btuh**
	TOTAL GAIN	**22395 Btuh**

EQUIPMENT

1. Central Unit	#	36000 Btuh

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

Version 8
For Florida residences only

#29498

NOTICE OF INSPECTION AND/OR TREATMENT

Date of Inspection
7/5/11 TH
Date of Treatment

Date of Spot Treatment
Premise Pro
Pesticide Used
Subterranean Termites
Wood-Destroying Organisms Treated

Notice
It is a violation of Florida State Law (Chap. 482.226) for anyone other than the property owner to remove this notice.

Address: 752-7779

Pestmaster Services of Lake City
187 SE Country Club Rd., Suite 101 • Lake City, FL 32025