DATE 05/24/2004	Columbia C	ounty B	uilding Pe	ermit	PERMIT
	This Permit Expi	res One Year			000021907
APPLICANT BRENDA HA			PHONE	752-3496	- TY 20005
Property and the second	2592 S. US HWY 441	<u>L</u>	AKE CITY		FL 32025
	ATHER ASMUS		PHONE	-	-
	E GILES MARTIN AVE	<u>L</u>	AKE CITY		FL 32024
-	OOD HOMES, INC		PHONE	752-3496	-
LOCATION OF PROPERTY	441 SOUTH, L CR 1				
TUDE DEVEL OBJECT			3/	Vombylomiov	(7500.00
	SFD,UTILITY	ESTIMA	ATED COST OF CO	NSTRUCTION	67500.00
HEATED FLOOR AREA	1350.00	TOTAL AREA	1916.00	HEIGHT	14.00 STORIES 1
FOUNDATION CONCRET	TE WALLS FRAN	MED ROOM	F PITCH <u>6/12</u>	F	FLOOR SLAB
LAND USE & ZONING	A-3		MAX	HEIGHT	35
Minimum Set Back Requirmen	ts: STREET-FRONT	30.00	— REAR	25.00	SIDE 25.00
See and analysis 744	is. STREET-FRONT	30.00	KEAR	23.00	SIDE 25.00
NO. EX.D.U. 0	FLOOD ZONE X	DE	VELOPMENT PERM	MIT NO.	
PARCEL ID 24-6S-17-0976	57-001	SUBDIVISION	MEANS UNRECO	RDED	
LOT 2 BLOCK	PHASE	UNIT	TOTA	L ACRES 1	0.00
274 PERMIT 04-	0513-N tic Tank Number	Elicense Number BK LU & Zoning che CON FILE	<u>HI</u>	pplicant/Owne O oved for Issuan	<u>N</u>
	0			Check # or C	Cash 1724
	FOR BUILDING	9 ZONING F			
Temporary Power			PEPARTMENT		(footer/Slab)
The second secon	Foundate/app. by	***********	e/app. by	Monolithic _	detalore by
Under slab rough-in plumbing		Slab	CONTRACTOR CONTRACTOR	CI - vI :	date/app. by
	date/app. by		date/app. by	Sneathing	date/app. by
Framing	Rough-in	plumbing above s	lab and below wood	floor	
date/app. by					date/app. by
Electrical rough-in	Heat & A	HARMAN HARMAN	P	eri. beam (Linte	el)
Permanent power			ate/app. by	6.1	date/app. by
date/app	C.O. Fir	date/ar		Culvert	date/app. by
M/H tie downs, blocking, electric	ity and plumbing		.p. 0)	Pool	date/app. by
Reconnection		date/app. by		TOTAL STATE	date/app. by
date/ap	pp. by	date/app. b	Utility Pole	date/app. by	,
M/H Pole date/app. by	Travel Trailer	(3.4)		Re-roof	
date/app. by		date/ap	p. by		date/app. by
BUILDING PERMIT FEE \$	340.00 CERTIFIC	ATION FEE \$	9.58	SURCHARGE	FEE \$ 9.58
MISC. FEES \$.00	ZONING CERT. FEE		IRE FEE \$		E FEE \$
FLOOD ZONE DEVELOPMENT		ULVERT FEE \$	-		-
	0 1 0	OLVERI FEE \$		OTAL FEE	409.16
NSPECTORS OFFICE	Z. Doslin	C	LERKS OFFICE	CN	
NOTICE: IN ADDITION TO THE I					

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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



PERMIT NO:

TAX FOLIO NO:

NOTICE OF COMMENCEMENT

STATE OF FLORIDA COUNTY OF COLUMBIA

LOAN NO. 5441613

The undersigned hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713 of the Florida Statutes, the following information is stated in this NOTICE OF COMMENCEMENT:

LEGAL DESCRIPTION OF PROPERTY: SEE ATTACHED FOR COMPLETE LEGAL DESCRIPTION

PROPERTY ADDRESS: XXX GILES MARTIN ROAD LAKE CITY, FL 32025

GENERAL DESCRIPTION OF IMPROVEMENTS: SINGLE FAMILY RESIDENCE

OWNER(S): RYAN D. ASMUS and HEATHER S. ASMUS

ADDRESS: 219 SE JEREMY PLACE LAKE CITY, FL 32025

OWNER'S INTEREST IN SITE OF THE IMPROVEMENTS: Fee Simple

FEE SIMPLE TITLE HOLDER (IF OTHER THAN OWNER): ADDRESS: N/A

CONTRACTOR: HAYGOOD HOMES, INC. 12592 S. US HWY 441 LAKE CITY, FL 32025

SURETY (IF ANY): N/A AMOUNT OF BOND: N/A

LENDER:

Market Street Mortgage Corporation 2650 McCormick Drive, Ste 200 Attn: Construction Lending Department

Clearwater, FL 33759

Name/Address of person within the State of Florida designated by owner to whom notices or other documents may be served as provided by Section 713.13 (1)(a)7, Florida Statutes: In addition to himself, owner designates MARKET STREET MORTGAGE CORPORATION, Attn: Construction Lending Department, 2650 of the Lienor's Notice as provided in Section 713.13 (1)(b), Commencement is one year from the date of this Notice of different date is specified.

ml_ -

Exhibit A.

TOWNSHIP 6 SOUTH, RANGE 17 EAST

Sections 23 and

24:

COMMENCE at the Northeast Corner of the NW 1/4 of the NW 1/4 of said Section 24, Columbia County, Florida, and run thence S 01°36'03" E along the East line of the W 1/2 of said NW 1/4, 864.52 feet for the POINT OF BEGINNING; thence continue S 01°36'03" E along said East line, 277.70 feet; thence S 88°23'57" W, 1561.17 feet to the East line of Giles Martin Avenue, formerly known as Old Wire Road (a county maintained graded road); thence N 06°36'22" W along said East line of Giles Martin Avenue, 278.76 feet; thence N 88°23'57" E, 1585.49 feet to the POINT OF BEGINNING. Said lands being a part of the NW 1/4 of Section 24 and the NE 1/4 of Section 23, Township 6 South, Range 17 East. Containing 10.03 acres, more or less.

Parcel Identification Number: 24-6S-17-09767-000

Inst:2004008650 Date:04/19/2004 Time:08:48

______DC,P.DeWitt Cason,Columbia County B:1012 P:2177

STATE OF FLORIDA. COUNTY OF COLUMBIA I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office. P. DeWITT CASON, CLERK OF COURTS

Orcel Keles
Deputy Clerk

Date Cipsil 19

COUNTY, FLORING

Prepared by and return to: John E. Norris Attorney at Law Norris & Johnson, P.A. P.O. Drawer 2349 253 N.W. Main Blvd. Lake City, FL 32056-2349 386-752-7240

Inst:2004008648 Date:04/19/2004 Time:08:43

Doc Stamp-Deed: 209.30
DC,P.DeWitt Cason,Columbia County B:1012 P:2163

File Number: M764

Parcel Identification No. 24-6S-17-09767-000

[Space Above This Line For Recording Data]

Warranty Deed

(STATUTORY FORM - SECTION 689.02, F.S.)

This Indenture made this 15th day of April, 2004 between Samuel Cleff Means, Jr., Individually, and as Trustee of the Samuel Cleff Means, Jr. Revocable Living Trust established by that Trust Agreement dated June 1, 1995, Betty Ann Means, Individually, and as Trustee of the Betty Ann Means Revocable Living Trust established by that Trust Agreement dated June 1, 1995, Gregory David Means, Jeffrey Alan Means, and Kevin C. Means whose post office address is 22715 NW CR 235A, Alachua, FL 32615 of the County of Alachua, State of Florida, grantor*, and Ryan D. Asmus and Heather S. Asmus, husband and wife, whose post office address is 219 SE Jeremy Place, Lake City, FL 32025 of the County of Columbia, State of Florida, grantee*,

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in **Columbia County**, **Florida**, described in Exhibit A attached hereto and made a part hereof.

SUBJECT TO: Ad valorem taxes and special assessments for 2004 and subsequent years; Easement for underground telephone cable to American Telephone and Telegraph Company recorded in OR Book 202, Page 300; Declaration of Protective Covenants dated November 5, 1999, recorded in OR Book 891, Page 988, public records of Columbia County, Florida; easements shown by a plat of the property; and visible easements.

Each Grantor warrants that at the time of this conveyance, the subject property is not the Grantor's homestead within the meaning set forth in the constitution of the state of Florida, nor is it contiguous to or a part of homestead property. Each Grantor's residence and homestead address is located in Alachua County, Florida.

and said grantor does hereby fully warrant the title to said land, and will defend the same against 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 our presence:

Witness Name: Dinne A. Cheus

Witness Name: Sout E NOTES

Witness Name: Dipple A. Chews

Witness Name: DAN ENORRIS

Samuel Cleff Means (Seal)
Samuel Cleff Means, Jr., Individually, and as Trustee

Betty Ann Means, Individually, and as Trustee

Gregory David Moone (Soal)

	Jeffrey Alan Means(Seal)
Witness Name: Dinne A. Cre	By Samuel Cleff Means Jr. Samuel Cleff Means Mr., His Attorney-in-Fact
Witness Name: JOKA F. Nomes	
	Kevin C. Means(Seal)
Witness Name: Di Ant A. Cate	By Samuel Cleff Means J.
Witness Name: JOHN ENOURIS	
	Inst:2004008648 Date:04/19/2004 Time:08:43 Doc Stamp-Deed: 209.30 DC,P.DeWitt Cason,Columbia County B:1012 P:2164
State of Florida County of Columbia	
	edged before me this 15th day of April, 2004 by Samuel Cleff Means, Jr., s personally known or [] has produced as
[Notary Seal]	Notary Public My Commission Expires:
State of Florida County of Columbia	
	wledged before me this 15th day of April, 2004 by Betty Ann Means, as personally known or has produced as
CONACY BUS	Notary Public Printed Name: My Commission Expires:
State of Florida County of Columbia	
as Attorney-in-Fact for Gregory D	edged before me this 15th day of April, 2004 by Samuel Cleff Means, Jr., David Means, who is personally known or has produced tification.
	Notary Public Printed Name: My Commission Expires:
State of Florida County of Columbia	DS
as Attorney-in-Fact for Jeffrey A	edged before me this 15th day of April, 2004 by Samuel Cleff Means, Jr., lan Means, who is personally known or has produced tification.
[Notary Seal]	Notary Public

. . .

State of Florida County of Columbia

The foregoing instrume as Attorney-in-Fact	ent was acknowledged befor for Kevin C. Means, as identification.	e me this 15th day of April, 2004 by Samuel Cleff Means, Jr., who is personally known or in has produced
[Notary Seal]		Notary Public Printed Name: My Commission Expires:

OFFICIAL OF TOTAL

DIANE A CPEWS

NOTARY PUBLIC STATE OF FLORIDA

COMMISSION NO. DORREGES

E.Y. COMMISSION FLORIDA

Inst:2004008648 Date:04/19/2004 Time:08:43

Doc Stamp-Deed: 209.30

_____DC,P.DeWitt Cason,Columbia County B:1012 P:2165

Exhibit A

TOWNSHIP 6 SOUTH, RANGE 17 EAST

Sections 23 and

24:

COMMENCE at the Northeast Corner of the NW 1/4 of the NW 1/4 of said Section 24, Columbia County, Florida, and run thence S 01°36'03" E along the East line of the W 1/2 of said NW 1/4, 864.52 feet for the POINT OF BEGINNING; thence continue S 01°36'03" E along said East line, 277.70 feet; thence S 88°23'57" W, 1561.17 feet to the East line of Giles Martin Avenue, formerly known as Old Wire Road (a county maintained graded road); thence N 06°36'22" W along said East line of Giles Martin Avenue, 278.76 feet; thence N 88°23'57" E, 1585.49 feet to the POINT OF BEGINNING. Said lands being a part of the NW 1/4 of Section 24 and the NE 1/4 of Section 23, Township 6 South, Range 17 East. Containing 10.03 acres, more or less.

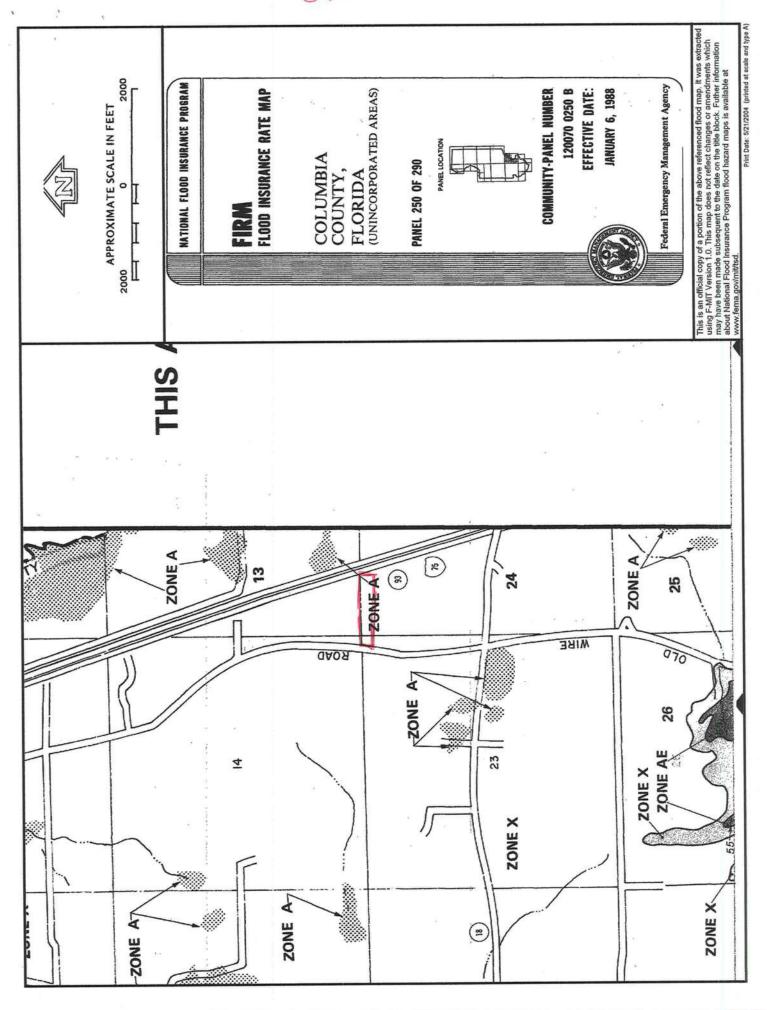
Parcel Identification Number: 24-6S-17-09767-000

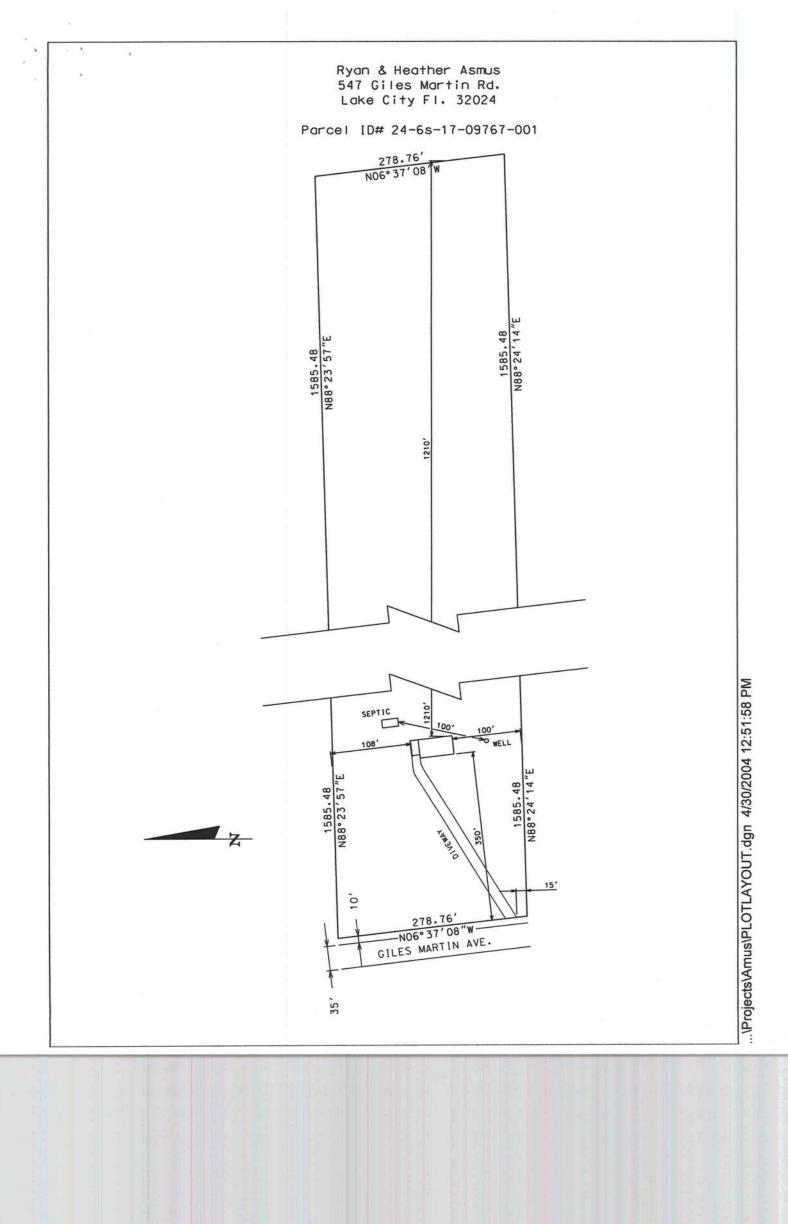
Inst:2004008648 Date:04/19/2004 Time:08:43
Doc Stamp-Deed: 209.30
__DC,P.DeWitt Cason,Columbia County B:1012 P:2166

Building Permit Application

Pat Cell 303-1981

ate	Z 1907 Application No. 0405-01
pplicants Name & Address Haygood H	Mes. Inc 101d Phone 386-752-3496 15 Hwy 441 Lake City 32025
wners Name & Address Ryan & Heather f	Asmus Phone
e Simple Owners Name & Address	Phone
ontractors Name & Address Haygood Home	es Inc Phone 386-752-3496 194 441 Lake City 32025
egal Description of Property See Attacked	East
ocation of Property 5. US Hwy 441, Left on CI	218 Troward Worthington Spas)
ax Parcel Identification No. 24-65-17-09767-06	Estimated Cost of Construction \$ 76,000.
ype of Development Private Property	Number of Existing Dwellings on Property
omprehensive Plan Map Category A-3	Zoning Map Category
uilding Height 14' Number of Stories 1 (one) Flories	oor Area 1350 Total Acreage in Development 10
istance From Property Lines (Set Backs) Front 350	Side 108" Rear 12/0' Street 350'
ood Zone Certification Date	
onding Company Name & Address	Donato Pinent I of this
rchitect/Engineer Name & Address	
ortgage Lenders Name & Address Market Street	Mortgage 2650 mcCormick DR. Suite 200
Clearwater, fl	33759
pplication is hereby made to obtain a permit to do the work and	installations as indicated. I certify that no work or installation has
mmenced prior to the issuance of a permit and that all work wi	Il be performed to meet the standards of all laws regulating
onstruction in this jurisdiction.	The second of th
Section (Annual Contraction Contraction) • Production Contraction • Production • Production Contraction • Production • Production	
WNERS AFFIDAVIT: I hereby certify that all the forego	ing information is accurate and all work will be done in compliance
ith all applicable laws regulating construction and zoning.	B
••	
VARNING TO OWNER: YOUR FAILURE TO RI	ECORD A NOTICE OF COMMENCMENT MAY
ESULT IN YOU PAYING TWICE FOR IMPROV	EMENTS TO YOUR PROPERTY
3 YOU INTEND TO OBTAIN FINANCING, CONS	SULT WITH YOUR LENDER OR ATTORNEY BEFORE
ECORDING YOUR NOTICE OF COMMENCEM	MENT.
3	The second
wner or Agent (including contractor)	Contractor
ACCORD	022 120 12
*	CIEC 1526115
	Contractor License Number
	COMMISSION E. S. C.
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TATE OF FLORIDA	STATE OF FLORIDA
OUNTY OF COLUMBIA	COUNTY OF COLUMBIA #DD184369
worn to (or affirmed) and subscribed before me	Sworn to (or affirmed) and subscribed before mental and subscribed before
nis day of by	this a day of Many By BLIC STATE CHIMIN
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ersonally KnownOR Produced Identification	Personally Known OR Produced Identification





COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 2949 * Lake City, FL 32056-2949 PHONE: (386) 752-8787 * 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 ISSUED: April 20, 2004
ENHANCED 9-1-1 ADDRESS:
547 SE GILES MARTIN AVE (LAKE CITY, FL 32024)
Addressed Location 911 Phone Number: NOT AVAIL.
OCCUPANT NAME: NOT AVAIL.
OCCUPANT CURRENT MAILING ADDRESS:
PROPERTY APPRAISER MAP SHEET NUMBER: 159
PROPERTY APPRAISER PARCEL NUMBER: 24-6S-17-09767-001
Other Contact Phone Number (If any):
Building Permit Number (If known):
Remarks:
Address Issued By:
Columbia County 9-1-1 Addressing Department

9-1-1 ADDRESSING
APPROVED

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION FORM 600A-01 Residential Whole Building Performance Method A NORTH 1 2 3 * Heather PROJECT NAME: BUILDER: Haygood es, Inc Ryan Homes, AND ADDRESS: 47 Giles Marlin PERMITTING lumbia OFFICE: ZONE: 32024 OWNER: Ryan PERMIT NO. JURISDICTION NO .: Heather Please Type New construction or addition Single family detached or Multifamily attached Single 3. If Multifamily—No. of units covered by this submission 3. MA 405 Is this a worst case? (yes / no) 4. 5. Conditioned floor area (sq. ft.) 1350 5. sq. ft. 6. Predominant eave overhang (ft.) 6. 2 Single Pane 7. Glass type and area: Double Pane 154 a. Clear glass 7a. sq. ft. sq. ft. b. Tint, film or solar screen 7b. sq. ft. sq. ft. 8. Floor type and insulation: a. Slab-on-grade (R-value + perimeter) 8a. I. ft. b. Wood, raised (R-value + sq. ft.) 8b. R= sq. ft. c. Concrete, raised (R-value) 8c. sq. ft. Net Wall type, area and insulation: a. Exterior: Concrete block (Insulation R-value) 9a-1 sq. ft. 2. Wood frame (Insulation R-value) 9a-2 1232 R= sq. ft. 3. Steel frame (Insulation R-value) 9a-3 Rsq. ft. 4. Log (Insulation R-value) sq. ft. 5. Other: 9b-1 b. Adjacent: 1. Concrete block (Insulation R-value) sq. ft. 2. Wood frame (Insulation R-value) 9b-2 R= sq. ft. Steel frame (Insulation R-value) 9b-3 R= sq. ft. 4. Log (Insulation R-value) 9b-4 sq. ft. 10. Ceiling type, area and insulation: a. Under attic (Insulation R-value) 10a. R= 30 1350 sq. ft. b. Single assembly (Insulation R-value) 10b. R= sq. ft. c. Radiant barrier, IRCC or white roof installed? 10c. 11. Air distribution system: a. Ducts (Insulation + Location) 11a. R= 6 , uncond b. Air Handler (Location) 11b. cond (cond./uncond.) spl: t 12. Cooling system: 12a. Type: Cent (Types: central-split, central-single pkg., room unit, PTAC., gas, none) 12b. SEER/EER/COP: 12c. Capacity: 2.5 13. Heating system: 13a. Type: HP (Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room or PTAC, none) 13b. HSPF/COP/AFUE: 14. Hot water system: 13c. Capacity: (Types: elec., natural gas, solar, L.P. gas, none) 14a. Type: _ 15. Hot Water Credits: 14b.

a. Total As-Built points	b. Total Base points	17a. 18818.59 17b. 23,644.98
I hereby certify that the plans and specification compliance with the Florida Energy Code. PREPARED BY: I hereby certify that this building, as designed, is OWNER AGENT:	DATE: 4/30/04	
Effective data: March 1 2002		

15a.

15b. 15c.

16.

a. Heat Recovery (HR)

HF-Whole house fan, MZ-Multizone)

c. Solar 16. HVAC Credits

b. Dedicated Heat Pump(DHP)

(Use: CF-Ceiling Fan, CV-Cross vent, PT-Programmable thermostat,

17. COMPLIANCE STATUS: (PASS if As-Built Pts. are less than Base Pts.) 17.

1			ORIENTATION	LENGTH	GLASS AREA	SINGLE-	-PANE IT MULTIPLIER	OR DOUBLE-F		SUMMER OH FACTOR	AS-BUILT GLASS
	1			OH (FEET)	(SO. FT.)	CLEAR	TINT2	CLEAR	TINT2	(from 6A-1)	SUMMER PT
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			NE			33.55	27.37	29.56	23.48		
		\leq	E	2	24	47.92	39.62	42.06	33.89	. 898	906.48
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	н .		SW			45.75	37.77	40.16	32.30		
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	1		NW			29.42	23.83	25.97	20.48		
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		BASE CEILING AREA	QUALS FLOOR AREA DIRE	CTLY UNDER C	EILING, AS-BUI	LT CEILING AR	EA EQUALS AC	TUAL CEILING S	QUARE FOOTA	AGE.	
											▼
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-											
<u> </u>	E/	OR SLAB ON GRADE U	SE PERIMETER LENGTH A	ROUND CONDIT	IONED FLOOR.	FOR RAISED F	LOORS USE A	REA OVER UNC	ONDITIONED SE	PACE.	
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								3 -73	10.21	13.	783.5
INFI	LTRATION &	1350		783.5				350	10.2		
INFI					AREA OF COND	TTONED SPAC	E. /	350	10.2		
INFI	LTRATION & ERNAL GAINS	1350	USE	783.5 TOTAL FLOOR	AREA OF COND	ITTONED SPAC	E.	350			▼
INFI	LTRATION & ERNAL GAINS		USE	783.5 TOTAL FLOOR			E.	BUILT SUM			9.54
INFI	LTRATION & ERNAL GAINS	1350 Ent base summe	USE POINTS 1	783.5 TOTAL FLOOR A ▼ 7900.3		TOTAL COM	PONENT AS	BUILT SUM	MER POINTS	16/6	9.54
INFI	LTRATION & ERNAL GAINS	NT BASE SUMME	R POINTS //	7930.3 BASE		TOTAL COM	PONENT AS	BUILT SUM	MER POINTS	16/6	9.54
INFI	LTRATION & ERNAL GAINS TOTAL COMPONE	1350 Ent base summe	USE POINTS 1	783.5 TOTAL FLOOR A ▼ 7900.3	TOT	TOTAL COM	PONENT AS	-BUILT SUMP	MER POINTS	1/6/6	9.54
INFI	LTRATION & ERNAL GAINS	NT BASE SUMME	R POINTS //	7930.3 BASE	TOT	OTAL COM	PONENT AS -Builtas-	Builtas-B	MER POINTS	iltAs-Built	9.54 AS-BUILT COOLING
INFI	LTRATION & ERNAL GAINS TOTAL COMPONE	Base Cooling System Multiplier	Total Base X Summer = Points	BASE COOLING POINTS	TOT AS-B SUM.	TOTAL COM AL AS UILTX I PTS (6	PONENT AS -Builtas- DM x DS 5A-8) (67	Bui tas-Bi	MER POINTS uiltAs-Bu: x CSM 7) (6A-9		AS-BUILT COOLING COINTS
INFI	LTRATION & ERNAL GAINS TOTAL COMPONE	NT BASE SUMME Base Cooling System	Total Base x Summer = Points	TOTAL FLOOR A	TOT AS-B	TOTAL COM AL AS UILTX I PTS (6	PONENT AS -Builtas- DM x DS 5A-8) (67	Bui tas-Bi	MER POINTS uiltAs-Bui x CSM 7) (6A-9		AS-BUILT COOLING COINTS
INFI	LTRATION & ERNAL GAINS TOTAL COMPONE	Base Cooling System Multiplier .43	Total Base Summer = Points 17970.3 7	BASE COOLING POINTS	TOT AS-B SUM.	AL AS UILTX I PTS (6	PONENT AS -Bui tas- DM x DS 5A-8) (62	Builtas-Bridge ABU (6A-20) (6A-	wiltas-Bui x CSM 7) (6A-9		AS-BUILT COOLING COINTS
INFI	LTRATION & ERNAL GAINS TOTAL COMPONE	Base Cooling System Multiplier .43	Total Base Summer = Points 17970.3 7	BASE COOLING POINTS	TOT AS-B SUM.	AL AS UILTX I PTS. (6	PONENT AS -Bui tas- OM x DS 5a-8) (67 CON 1.15 (Bui tas-Bu M × AHU -20 (6A- r 0.0 , 9	MER POINTS ui tas-Bui x csm 7) (6A-9	/6/6 i tas-Bui t x CCM = (6A-19 .95 5	AS-BUILT COOLING COINTS 780.4 C
INFI	LTRATION & ERNAL GAINS TOTAL COMPONE COOLING SYSTEM	Base Cooling System Multiplier .43 Number of	Total Base Summer = Points 17970.3 7	BASE COOLING POINTS	TOT AS - B SUM. I WW.	AL AS UILTX I PTS. (6	PONENT AS -Bui tas- DM x DS 5A-8) (68 GO 1.15 0 Number of	Builtas-Bu M × AHU -20 (6A- or 1.0) . 9	MER POINTS x CSM 7) (6A-9	/6/6 i tas-Bui t x CCM = 0 (6A-19 .95 5 SBuilt A	AS-BUILT COOLING COINTS 780.4 (J IS-BUILT DT WATER
INFI	LTRATION & ERNAL GAINS TOTAL COMPONE COOLING SYSTEM HOT WATER	Base Cooling System Multiplier .43 Number of bedrooms	Total Base Summer = Points 17970.3 7	BASE COOLING POINTS	TOT AS - B SUM. I WW.	AL AS UILTX I PTS. (6	PONENT AS -Bui tas- OM x DS 5a-8) (67 CON 1.15 (Bui tas-Bu M × AHU -20 (6A- r 0.0 , 9	MER POINTS x CSM 7) (6A-9	/6/6 i tAs-Bui t x CCM = (6A-19) .95 5 -Built A	AS-BUILT COOLING COINTS 780.44
INFI	LTRATION & ERNAL GAINS TOTAL COMPONE COOLING SYSTEM HOT	Base Cooling System Multiplier .43 Number of	Total Base Summer = Points 17970.3 7	BASE COOLING POINTS	TOT AS - B SUM. I WW.	AL AS UILTX I PTS. (6	PONENT AS -BuiltAs- DM x DS 5A-8) (67 GO 1.15 (Number of bedrooms	Bui tas-Bu M x AHU -20 (6A- or 0.0) . 9 As-Bui X HWM (6A-22	MER POINTS ui tas-Bui x CSM 7) (6A-9 1/ 34 It As x Hi) (6	/G/G 	AS-BUILT COOLING COINTS TYO.Y (A) S-BUILT DI WATER POINTS
INFI	LTRATION & ERNAL GAINS TOTAL COMPONE COOLING SYSTEM HOT WATER	Base Cooling System Multiplier .43 Number of bedrooms	Total Base Summer = Points 17970.3 7	BASE COOLING POINTS	TOT AS - B SUM. I WW.	AL AS UILTX I PTS. (6	PONENT AS -Bui tas- DM x DS 5A-8) (68 GO 1.15 0 Number of	Builtas-Bu M × AHU -20 (6A- or 1.0) . 9	MER POINTS ui tas-Bui x CSM 7) (6A-9 1/ 34 It As x Hi) (6	/G/G 	AS-BUILT COOLING COINTS 780.4 (J IS-BUILT DT WATER

SUMMER POINT MULTIPLIERS (SPM)

CLIMATE ZONES 1 2 8

6A-1 SUMMER OVERHANG FACTORS (SOF) FOR SINGLE AND DOUBLE PANE GLASS.

	OH Ratio .	1.0011	1217	.1826	.2735	.3546	.4757	.5870	.7183	.84-1.18	1.19-1.72	1.73-2.73	2.74 & UD
	North	1.00	0.993	0.971	0.930	0.888	0.842	0.803	0.766	0.736	0.681	0.634	0.593
- 1	Northeast	1.00	0,996	0.967	0.907	0.845	0.775	0.717	0.662	0.619	0.545	0,487	0.441
B	East	1.00	0.994	0.963	0.898	0.827	0.745	0.675	0.609	0.558	0.470	0.405	0.357
	Southeast	1.00	0.998	0.952	0.864	0.777	0.689	0.623	0.566	0.525	0.459	0.413	0.379
SECT	South	1.00	0.989	0.931	0.835	0.751	0.675	0.620	0.575	0.543	0.493	0.458	0.432
S	Southwest	1.00	0.998	0.953	0.866	0.779	0.691	0.623	0.565	0.522	0.453	0.404	0.368
0,1	West	1.00	0.994	0.963	0.899	0.828	0.748	0.681	0.617	0.569	0.485	0.422	0.375
	Northwest	1.00	0.996	0.968	0.913	0.858	0.797	0.748	0.702	0.667	0.605	0.556	0.516
▶	OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-2 WALL SUMMER POINT MULTIPLIERS (SPM)

		FRAME			CONCRETE	BLOCK	(NORM)	AL WT)		FACE E	RICK			100	
_		THAME				INTER	OR	EXT.	R-VALUE	WOOD FR	R-VALUE	BLOCK	1	LOG	
	WC	OOD	ST	EEL		INSUL	ATION	INSUL.	0-6.9	2.4	0-2.9	1.0		6 INCH	8 INCH
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	7-10.9	.6	3-6.9	.6	R-VALUE	EXT	EXT
0-6.9	5.5	2.2	7.6	2.8	0-2.9	2.2	1.1	2.2	11-18.9	.4	7-9.9	.4	0-2.9	1.5	1.0
7-10.9	2.1	.8	3.5	1.3	3-4.9	1.3	.8	.8	19-25.9	.2	10 & UP	.2	3-6.9	1.0	7
11-12.9	1.7	.7	2.7	1.0	5-6.9	1.0	.7	.5	26 & Up	.1			7 & Up	.8	1.6
13-18.9	1.5	.6	2.5	0.9	7-10.9	.7	.5	.3					1		1
19-25.9	.9	.4	2.2	0.8	11-18.9	.4	.4	0	1						
26& Up	.6	.2	1.2	0.4	19-25.9	.2	.2		1	NOTE:	SEE SECTION 2	ONCEADDE	MOIVECODI	ALM TICK IC	DC
					26 & Up	.1	1.1	7	1		ELOPE COMP				13

SA A CERING CHAMED DOINT MILL TIDLATED (CRAP

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	6.1	2.4
INSULATED	4.1	1.6

UNDER	ATTIC	SINGLE AS	SEMBLY	CON	CRETE DECK I	ROOF
R-VALUE	SPM	R-VALUE	SPM		CEILIN	G TYPE
19-21.9	2.34	10-10.9	8.49	R-VALUE	EXPOSED	DROPPED
22-25.9	2.11	11-12.9	7.97	10-13.9	9.13	8.47
26-29.9	1.89	13-18.9	7.14	14-20.9	6.80	6.45
30-37.9	1.73	19-25.9	5.64	21 & Up	4.92	4.63
38 & Up	1.52	26-29.9	4.75			
RBS Credit	0.700	30 & Up	4.40			
IRCC Credit	0.849					
White Roof Cri	edit 0.550	1				

6A-5 FLOOR SUMMER POINT MULTIPLIERS (SPM)

SLAB-ON	-GRADE	RAIS	ED		RAISED WOOD						
EDGE INS		CONC	With Additional Control		POST OR PIER CONSTRUCTION	STEM WALL W/ UNDER FLOOR INSULATION	ADJACENT				
R-VALUE	SPM	R-VALUE	SPM	R-VALUE	SPM	SPM	SPM				
0-2.9	-41.2	0-2.9	8	0-6.9	2.80	-4.7	2.2				
3-4.9	-37.2	3-4.9	-1.3	7-10.9	1.34	-2.3	8				
5-6.9	-36.2	5-6.9	-1.3	11-18.9	1.06	-1.9	7				
7 & Up	-35.7	7 & Up	-1.3	19 & Up	77	-15	1				

 6A-6
 INFILTRATION & INTERNAL GAINS (SPM)

 Air Infiltration
 3.44

 Internal Gains
 + 6.77

 Infiltration/Internal Gains
 10.21

 (Combined)

Located in garage	1.00
Located in conditioned area	0.91
Located on exterior of building	1.02
Located in attic	1.11

	DUCT		RETURN	DUCTS I	n:	
SUPPLY DUCTS IN:	R-Value	Unconditioned space	Attic/ RBS	Attic/ IRCC	Attic/ White roof	Conditioned space
	4.2	1.118	1.111	1.112	1.089	1.107
Unconditioned Space	6.0	1.090	1.084	1.085	1.066	1.081
	8.0	1.071	1.066	1.067	1.051	1.064
	4.2	1.072	1.066	-	-	1.061
Attic/Radiant Barrier (RBS)	6.0	1.056	1.051	_	-	1.047
50 950	8.0	1.045	1.041	-	-	1.037
	4.2	1.099		1.092	-	1.084
Attic/Interior Radiation	6.0	1.076	-	1.071	-	1.065
Control Coatings (IRCC)	8.0	1.061	-	1.057	-	1.052
	4.2	1.068	-	-	1.096	1.057
Attic/White Roof	6.0	1.051	. —	_	1.071	1.043
	8.0	1.040	-	-	1.055	1.034
22 1000 LC	4.2	1.006	1.005	1.007	1.008	1.000
Conditioned Space	6.0	1.005	1.004	1.005	1.006	1.000
	8.0	1.004	1.003	1.004	1.005	1.000

6A-9 COOLING SYSTEM MULTIPLIERS (CSM)

SYSTEM TYPE See Table 6-3	for Code minimums		Y		CO	OLING SYS	TEM MULT	PLIERS (C	SM)			
Central Units (SEER)	Rating		7.5-7.9	8.0-8.4	8.5-8.8	8.9-9.4	9.5-9.9	10.0-10.4	10.5-10.9	11.0-11.4	11.5-11.9	12.0-12.4
Central Onits (SEEN)	CSM		.45	.43	.40	.38	.36	.34	32	.31	.30	.28
PTAC & Room Units (EER)	Rating	12.5-12.9	13.0-13.4	13.5-13.9	14.0-14.4	14.5-14.9	15.0-15.4		16.0-16.4		17.0-17.4	
· · · · · · · · · · · · · · · · · · ·	CSM	.27	.26	.25	.24	.24	.23	.22	.21	.21	.20	.19

Effective date: March 1, 2003

1				ORIENTATION	OVERHANG LENGTH OH (FEET)	GLASS AREA (SQ. FT.)	SINGLE- WINTER POINT	PANE T MULTIPLER	OR DOUBLE-	PANE NT MULTIPLIER	WINTER OH FACTOR	AS-BUILT GLASS
1	Ψ.	*)	N	1	04.71.5	CLEAR	TINT2	CLEAR	TINT2	(from 6A-10)	WINTER PTS
1		7 11		NE NE			33.22	34.06	24.58	25.37	1.00	0
		11 11		F	2	24	26.41	28 18	18.79	24.53	1.040	469
		4 1	1	SE		-	21.82	24.24	14.71	17.06	1.090	1961
		A L L - M I	- 1	S	1	30	20.24	22.87	13.30	15.87	1.00	399
1		1 ;		SW			24.09	26.20	16.74	18.79		
	1	1		W	8	75	28.84	30.32	20.73	22.15	1.187	1845.49
1			1	NW			32.93	33.82	24.30	25.14		
GLASS			1	H1			29.19	31.47	19.86	22.11		
Z						_	-		-			
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S			GHTED GLA		BASE							AS-BUILT
GLASS		DOR X I	MULTIPLIER		GLASS			-				GLASS
ਲ	.18 /35		12.74		SUBTOTAL	_						UBTOTAL
	1.10 1 /33		12.74		30 95.82						27	113.49
-		T			BASE	7 _				1 Martin	5 1 .	V
	COMPONENT	AREA	BASE V		WINTER		COMPONEN		AREA	X POINT, M		AS-BUILT WINTER
D	ESCRIPTION		POINT.	MULI.	POINTS		DESCRIPTIO	DN	MILA	(6A-11THRU		POINTS
	EXTERIOR	1232	3.7	1 4	558.4	14	000d		232	3 U	2002 (n) - 5 (n) 10 (n) - 10 (n)	88.8
WALL	ADJACENT		3.6				0101	- '		13.4	17/	00.0
≩												4
	l											
co	EXTERIOR	1.96	1 100		1200	7 -	- 1		0.1			▼
DOORS	ADJACENT	74	12.3		180.8	14	15u		96	8.0	80	16.4
8	7.DUTIOEITI		11.0			1				-		
												▼
Ø	UNDER ATTIC	1350	2.0	5 2	767.5	TR	-30	17	350	12.05	- 125	167.5
Š	OR SINGLE									-	-	16 /.
CEILING	ASSEMBLY						BS/IRCC/white			,	(
		BASE CEILING	AREA EQUALS	FLOOR AREA	DIRECTLY UND	ER CEILING, A	S-BUILT CEILIN	IG AREA EQUA	LS ACTUAL CE	ILING SQUARE	FOOTAGE.	
	CLAD (acquire	1 1 1	1 00		2 - 7 2 /							▼
05	SLAB (PERIMETER RAISED (AREA)	154	8.9		370.6	1 1-3	lab		154	7.6) 1/7	10.4
0			.91	0		$\dashv \vdash \vdash$					-	
8	TOTIOLD (MILM)		1			1 1						
FLOOR		OR SLAB ON GRADE	LISE PERIMETE	FR I FNGTH AR	OI IND CONDIT	IONED EL COR	EOD DAISED E	OODE HEE A	DEA OVED LINE	ONDETONED C	DAOF	
FLOO		OR SLAB ON GRADE	USE PERIMETE	ER LENGTH AR	OUND CONDIT	IONED FLOOR	FOR RAISED F	LOORS USE A	REA OVER UN	CONDITIONED S	PACE.	_
			USE PERIMETE		▼	IONED FLOOR	FOR RAISED F	LOORS USE A	REA OVER UNO	/ 1		V
INF	R	DR SLAB ON GRADE		8 -	OUND CONDIT			LOORS USE A	REA OVER UNO	-0.58		₹3.
INF	FILTRATION & ERNAL GAINS	1350	-0.58	8 <u>-</u>	▼ - 783 - E TOTAL FLOOR		TIONED SPACE.			-0.58	-7	₹3.
INF	FILTRATION & ERNAL GAINS		-0.58	8 <u>-</u>	▼ - 783 . E TOTAL FLOOR		TIONED SPACE.			-0.58	-7	83.
INF	FILTRATION & ERNAL GAINS	1.35TO	-0.58	B -	783. EE TOTAL FLOOR	AREA OF COND	TIONED SPACE. TOTAL COM	IPONENT A	S-BUILT WIN	-0.58	108	83. ▼ 63.59
INF	ILTRATION & ERNAL GAINS TOTAL COMPON	1.35TO Base Heating	ER POINTS Total B	B - US	783. BETOTAL FLOOR	AREA OF CONDI	TOTAL COM	PONENT A	S-BUILT WIN	TER POINTS	108	83. ▼ 63.59
INF	ILTRATION & CENAL GAINS TOTAL COMPON	I.350 HENT BASE WINTE	ER POINTS Total B Winte	8 - US 112 ase er =	FIGURE 190. 2 BASE HEATING	AREA OF CONDI	TOTAL COM TOTAL COM AL AS- UILTX D	PONENT A	S-BUILT WIN Built As-B M x AHU	TER POINTS uilt As-Bui	108	83. V 63.59 AS-BUILT HEATING
INF	ILTRATION & ERNAL GAINS TOTAL COMPON	ENT BASE WINTI Base Heating System Multiplier	ER POINTS Total B. X Winte	ase er = ss	BASE HEATING POINTS	AREA OF CONDI	TOTAL COM AL AS- UILTX DE PTS. (62)	PONENT AS- Built As- M x DS A-17) (67	S-BUILT WIN Built As-B M x AHU (-20) (6A-	-0.58 TER POINTS uilt As-Bui x HSM 16) (6A-18	- 7 108 1t As-Built x HCM = 1 (6A-21)	¥ €3.59 AS-BUILT HEATING POINTS
INF	ILTRATION & ERNAL GAINS TOTAL COMPON	I.350 HENT BASE WINTE	ER POINTS Total B Winte	ase er = ss	FIGURE 190. 2 BASE HEATING	AREA OF CONDI	TOTAL COM AL AS- UILTX DE PTS. (62)	PONENT A	S-BUILT WIN BuiltAs-B M x AHU -20) (6A-	TER POINTS uilt As-Bui	- 7 108 1t As-Built x HCM = 1 (6A-21)	¥ €3.59 AS-BUILT HEATING POINTS
INF	ILTRATION & ERNAL GAINS TOTAL COMPONINE	Base Heating System Multiplier .63	FR POINTS Total B: Winte Point 13190	ase er =	BASE HEATING POINTS	AREA OF CONDI	TOTAL COM AL AS- UILTX DE PTS. (62	PONENT AS-Built As-M x DS A-17) (62	Built As-B M x AHU (6A-	TER POINTS ui]t As-Bui x HSM 16) (6A-18	- 7	¥3.59 AS-BUILT HEATING POINTS SYU0.13
INF	ILTRATION & ERNAL GAINS TOTAL COMPONING HEATING SYSTEM BASE	Base Heating System Multiplier .63 BASE	FR POINTS Total B: Winte Point J 90 BASE	ase	BASE HEATING POINTS	AREA OF CONDI	TIONED SPACE. TOTAL COM ALL AS- UILTX DI PTS. (62 AS-BUILT	PONENT AS- M x DS A-17) (62	Built As-B M x AHU (-20) (6A-	TER POINTS ui]t As-Bui x HSM 16) (6A-18	- 7	¥3.59 AS-BUILT HEATING POINTS SYU0.13
INF	ILTRATION & ERNAL GAINS TOTAL COMPON HEATING SYSTEM BASE COOLING + POINTS	Base Heating System Multiplier .63	FR POINTS Total B: Winte Point 13190	ase s - 12 7(BASE HEATING POINTS	AREA OF CONDI	TOTAL COM AL AS- UILTX DE PTS. (62	PONENT AS-Built As-Built As-A-17) (67	Built As-B M x AHU (6A-	TER POINTS ui]tAs-Bui x HSM 16) (6A-18	7	AS-BUILT HEATING POINTS OTAL -BUILT
INF	ILTRATION & ERNAL GAINS TOTAL COMPONING HEATING SYSTEM BASE COOLING +	Base Heating System Multiplier .63 BASE HEATING POINTS	ER POINTS Total Base Point Point Point Point Point From P	ase s	BASE HEATING POINTS 679.78	AREA OF CONDI	TOTAL COM TOTAL COM TOTAL AS- UILTX DI PTS. (62 AS-BUILT COOLING	PONENT AS-Built As-Built As-A-17) (67	Built Win Built As-B M AHU (6A- (10) 293 S-BUILT IEATING	TER POINTS ui]t As-Bui x HSM 16) (6A-18	- 7	AS-BUILT HEATING POINTS
INF	ILTRATION & ERNAL GAINS TOTAL COMPON HEATING SYSTEM BASE COOLING + POINTS	Base Heating System Multiplier .63 BASE HEATING	ER POINTS Total Base Base HOT WA POINT	ase s	BASE HEATING POINTS 679.78	TOT AS-B WIN.	TOTAL COM AL AS- UILTX DI PTS. (62 3.59 / 01 AS-BUILT COOLING POINTS	PONENT A: Built As- M x DS A-17) (62 4 1.17 0	Built Win Built As-B M AHU (6A- (10) 293 S-BUILT IEATING	TER POINTS uilt As-Bui X HSM (6A-18 (6A-18 FOUNTS AS-BUILT POINTS (From P. 2		AS-BUILT HEATING POINTS SYDOINS OTAL -BUILT DINTS Fron P. 1)
TOTAL	ILTRATION & ERNAL GAINS TOTAL COMPONING SYSTEM BASE COOLING + POINTS (From P. 2)	Base Heating System Multiplier .63 BASE HEATING POINTS	FR POINTS Total Box Winte Point Jay 90 BASE HOT WA POINT (From P	ase er = s	BASE HEATING POINTS 679.78 TOTAL BASE POINTS nter on P. 1)	TOT AS-B WIN.	TIONED SPACE. TOTAL COM AL AS- UILTX DI PTS. (62 AS-BUILT COOLING POINTS (From P. 2)	PONENT AS-Bui t As-	Built As-B M x AHU (6A-20) (6A- (10) 93 S-BUILT HEATING POINTS	TER POINTS ui]tAs-Bui x HSM 16) (6A-18 HOT WATT POINTS (From P.:	- 7	AS-BUILT HEATING POINTS OTAL -BUILT DINTS or on P. 1) 8. 5 9

WINTER POINT MULTIPLIERS (WPM)

6A-10 WINTER OVERHANG FACTORS (WOF)

CLIMATE ZONES 1 2 3

_	OH Ratio	.0011	10 17	10.00	07.05								
	North		.1217	.1826	.2735	.3646	.4757	.5870	.7183	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
- 1		1.00	1.000	1.001	1.003	1.005	1.009	1.011	1.014	1.016	1.021	1.024	1.027
_	Northeast	1.00	0.998	1.001	1.008	1.015	1.023	1.029	1.035	1.040	1.049	1.056	1.061
B	East	1.00	1.007	1.018	1.040	1.069	1,109	1.150	1.198	1.242	1.338		
ECT	Southeast	1.00	1.014	1.043	1,111	1.202	1.332	1,472	1.635	1.787	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.429	1.507
끯뜽	South	1.00	0.994	1.032	1.142	1.308	1.563	1.845	2.175	2.471	2.113	2,412	2.650
	Southwest	1.00	1.006	1.025	1.070	1.131	1.217	1.308	1.413		3.042	3.450	3.661
	West	1.00	1.002	1.010	1.027	1.049	1.077	1.102		1.508	1.708	1.888	2.031
- 1	Northwest	1.00	0.999	1.000	1.004				1.128	1.149	1.187	1.217	1.238
	OH Length	0.0'				1.008	1.012	1.016	1.019	1.022	1.028	1.032	1.036
100 mm	Orr Lengur	1 0.0	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-11 WALL WINTER POINT MULTIPLIERS (WPM)

		FRAME			CONCRETE	BLOCK	(NORM	AL WT)		FACE E	RICK		1		-
	* ****				1	INTERI	OR	EXT.	R-VALUE	WOOD FR	R-VALUE	BLOCK	1 17	LOG	
		OOD		EEL		INSULA	ATION	INSUL	0-6.9	12.6	0-2.9	7.9		6 INCH	8 INC
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	7-10.9	4.2	3-6.9		R-VALUE		EXT
0-6.9	11.1	10.4	15.1	13.1	0-2.9	11.2	6.8	11.2	11-18.9	3.5	7-9.9	3.8	0-2.9	4.5	3.0
7-10.9	4.4	4.4	7.3	6.6	3-4.9	7.3	5.1	5.6	19-25.9	2.2	10 & UP	3.0			
11-12.9	3.7	3.6	5.7	5.2	5-6.9	5.7	4.2	4.3	26 & Up	1.4	10 a UF	3.0	3-6.9	2.8	2.2
13-18.9	3.4	3.3	5.2	4.9	7-10.9	4.6	3.5	3.3	20 0 00	1.4			7 & Up	2.1	1.7
19-25.9	2.2	2.2	4.6	4.4	11-18.9	3.0	2.6	2.2	1	***					
26& Up	1.5	1.5	2.7	2.6	19-25.9	1.9	1.7	2.2	1	NOTE: SEE	SECTION 2.00	FAPPEND	XCFORMUL	TIPLIERS	7
					26 & Up	1.3	1.2	1	1	OF ENVELO	OPE COMPON	ENTS NOT	ON THIS FO	RM.	

6A-12 DOOR WINTER POINT MULTIPLIERS (WPM)

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	12.3	11.5
INSULATED	8.4	8.0

6A-13 CEILING WINTER POINT MULTIPLIERS (WPM)

UNDER	ATTIC	SINGLE AS	SEMBLY	CONCRETE DECK ROOF				
R-VALUE	WPM	R-VALUE	WPM			G TYPE		
19-21.9	2.70	10-10.9	2.87	R-VALUE	EXPOSED	DROPPED		
22-25.9	2.45	11-12.9	2.70	10-13.9	3.16	2.91		
26-29.9	2.22	13-18.9	2.40	14-20.9	2.31	2.14		
30-37.9	2.05	19-25.9	1.86	21 & Up	1.47	1.47		
38 & Up	1.81	26-29.9	1.54			1.11		
RBS Credit IRCC Credit White Roof Cre	0.850 0.912 edit 1.044	30 & Up	1.43	1				

6A-14 FLOOR WINTER POINT MULTIPLIERS (WPM)

SLAB-ON EDGE INS		RAIS	TO COLUMN TO STATE OF THE PARTY	T
R-VALUE	WPM	R-VALUE	WPM	+
0-2.9	18.8	0-2.9	9.9	7
3-4.9	9.3	3-4.9	5.1	٦.
5-6.9	7.6	5-6.9	3.6	1
7 & Up	7.0	7.8 Un	29	1

-		RAIS	ED WOOD	
1		POST OR PIER CONSTRUCTION	STEM WALL W/ UNDER FLOOR INSULATION	ADJACENT
L	R-VALUE	WPM	WPM	WPM
L	0-6.9	5.77	3.5	10.4
	7-10.9	2.20	1.6	4.4
L	11-18.9	1.55	1.2	3.6
Γ	19 & Up	0.88	9	3.0

6A-15 INFILTRATION & INTERNAL GAINS (WPM)

Air Infiltration	2.13
Internal Gains	- 2.72
Infiltration/Internal Gains (Combined)	-0.58

6A-16 AIR HANDLER MULTIPLIERS (WPM)

Located in garage	1.00
Located in conditioned area	0.93
Located on exterior of building	1.07
Located in attic	1.10

6A-17	DUCT MULTIPLIERS	(DM)	See Table 6-10 for Code minimums.
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	DUCT	RETURN DUCTS In:						
SUPPLY DUCTS IN:	R-Value	Unconditioned space	Attic/ RBS	Attic/ IRCC	Attic/ White roof	Conditioned		
¥	4.2	1.093	1.086	1.088	1.089	1.081		
Unconditioned Space	6.0	1.069	1.064	1.065	1.066	1.060		
0.000	8.0	1.053	1.049	1.051	1.051	1.046		
	4.2	1.067	1.059	-		1.052		
Attic/Radiant Barrier (RBS)	6.0	1.051	1.045	_	_	1.040		
	8.0	1.040	1.036	-	- 1	1.032		
	4.2	1.096	_	1.088	- 1	1.077		
Attic/Interior Radiation	6.0	1.072	_	1.066	-	1.057		
Control Coatings (IRCC)	8.0	1.056	_	1.052	-	1.045		
	4.2	1.104		-	1.096	1.083		
Attic/White Roof	6.0	1.076	-		1.071	1.061		
	8.0	1.059	_	_	1.055	1.048		
	4.2	1.008	1.007	1.010	1.008	1.000		
Conditioned Space	6.0	1.006	1.005	1.007	1.006	1.000		
1 1	8.0	1.005	1.004	1.006	1.005	1.000		

6A-18 HEATING SYSTEM MULTIPLIERS (HSM)

SYSTEM TYPE See Tab Central Heat	HSPF			SYSTEM MULT					
Pump Units		6.40-6.79	6.80-6.89	6.90-7.39	7.40-7.89	7.90-8.39	8.40-8.89	8.9-9.39	9.4-9.89
	HSM	.53	.50	.49	.46	.43	.41	.38	.36
	HSPF	9.90-10.39	10.40-10.89	10.90-11.39	11.40-11.89	11.90-12.39	12.40 & up	.50	
	HSM	.34	.33	.31	.30	.29	.28		
PTHP	COP	2.50-2.69	2.70-2.89	2.90-3.09	3.10-3.29	3.30-3.49	3.50-3.69	0.70.000	00011
	HSM	.40	.37	.34	.32	.30	.29	3.70-3.89	3.90-4.19

Effective date: March 1, 2003

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan Permit Application Number:

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

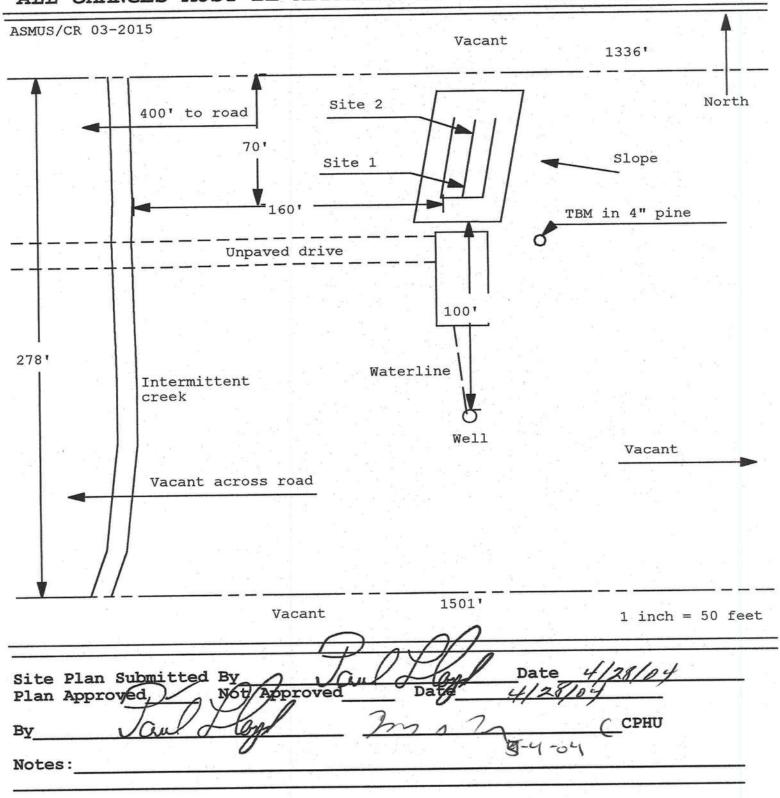


Exhibit A.

TOWNSHIP 6 SOUTH, RANGE 17 EAST

Sections 23 and

24:

COMMENCE at the Northeast Corner of the NW 1/4 of the NW 1/4 of said Section 24, Columbia County, Florida, and run thence S 01°36'03" E along the East line of the W 1/2 of said NW 1/4, 864.52 feet for the POINT OF BEGINNING; thence continue S 01°36'03" E along said East line, 277.70 feet; thence S 88°23'57" W, 1561.17 feet to the East line of Giles Martin Avenue, formerly known as Old Wire Road (a county maintained graded road); thence N 06°36'22" W along said East line of Giles Martin Avenue, 278.76 feet; thence N 88°23'57" E, 1585.49 feet to the POINT OF BEGINNING. Said lands being a part of the NW 1/4 of Section 24 and the NE 1/4 of Section 23, Township 6 South, Range 17 East. Containing 10.03 acres, more or less.

Parcel Identification Number: 24-6S-17-09767-000

Inst:2004008650 Date:04/19/2004 Time:08:48 _DC,P.DeWitt Cason,Columbia County B:1012 P:2177

> STATE OF FLORIDA, COUNTY OF COLUMBIA I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
>
> P. DEWITT CASON, CLERK OF COURTS

COUNTY

PARCEL NO. 4

COMMENCE AT THE MORTHEAST CORNER OF THE NW 1/4 OF THE NW 1/4 DF SECTION 24. TOWNSHIP 6 SOUTH,

RANGE 17 EAST. COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 01°36'03" E ALONG THE EAST LINE OF THE SAID NW 1/4. 864.52 FEET TO THE POINT OF BEGINNING. THENCE CONTINUE S 01°36'03" E ALONG
SAID EAST LINE. 277.70 FEET. THENCE S 88°23'57" W, 1561.17 FEET TO THE EAST LINE OF OLD WIRE ROAD.

(A COUNTY MAINTAINED GRADED ROAD!, THENCE N 06°36'22" W ALONG SAID EAST LINE OF OLD WIRE ROAD.

278.76 FEET. THENCE N 88°23'57" E, 1585.49 FEET TO THE POINT OF BEGINNING. SAID LANDS BEING SUBJECT,

TO AN AT & T EASEMENT FOR UNDERGROUND TELEPHONE CABLE AS RECORDED IN OFFICIAL RECORDS BOOK 202, PAGE B

300 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA. SAID LANDS BEING A PART OF THE NW 1/4 OF
SECTION 24 AND THE NE 1/4 OF SECTION 23, TOWNSHIP 6 SOUTH, RANGE 17 EAST. CONTAINING 10.03 ACRES.

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Columbia County Building Department Culvert Permit

Culvert Permit No. 000000274

DATE 04/1	5/2004 PARC	CELID#	24-6S-17-09767-001	_						
APPLICANT	RYAN & HEATHER ASMUS		PHON	IE 850.5	84.2384					
ADDRESS _	806 SOUTHWOOD DRIVE		PERRY		FL	32348				
OWNER RY	AN & HEATHER ASMUS		PHON	TE						
ADDRESS 54	47 SE GILES MARTIN AVE		LAKE CITY		FL	32024				
CONTRACTO	R	1.	PHON	IE						
LOCATION O	F PROPERTY 441-S TO C-18-	E, GO TO GII	LES MARTIN, L, LOT	ON THE	RIGHT					
SUBDIVISION	/LOT/BLOCK/PHASE/UNIT	MEANSTIND	ECOPDED		2					
50DD1 V101014	/ / /	INDANA DINK	ECORDED							
SIGNATURE	Lyan D. Asnew									
	INSTALLATION REQUIR	REMENTS	1							
х	Culvert size will be 18 inche driving surface. Both ends w thick reinforced concrete sla	es in diamet	er with a total lengh	t of 32 fe l slope a	et, leaving nd poured v	24 feet of vith a 4 inch				
	INSTALLATION NOTE: Turnouts will be required as follows: a) a majority of the current and existing driveway turnouts are paved, or; b) the driveway to be served will be paved or formed with concrete. Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.									
	Culvert installation shall conf	form to the	approved site plan	tandards	•					
	Department of Transportation	n Permit ins	tallation approved s	tandards.	r.					
	Other									
	FETY REQUIREMENTS SHOULD STALATION OF THE CULVERT.		WED			A GOILL				
Lake City, FL 32	lo Ave., Suite B-21 2055 1008 Fax: 386-758-2160	Amou	nt Paid <u>25.0</u>	0	O. D. C.					

