FORM 405-10

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: 2425-02 Street.	266F C643		Builder Name: CHAMPION HOMES Permit Office:					
City, State, Zip: PERRY	′,FL,		Permit Number:					
Owner: Design Location: FL, Tall	lahassee		Jurisdiction.					
1 New construction or existing	ng New (From F	Plans)	9 Wall Types (1710.0 sqft.)	Insulation Area				
2. Single family or multiple far	mily Single-family	/	a Frame - Wood, Exterior b N/A	R=19 0 1710 00 ft ²				
3. Number of units, if multiple	family 1	ne se	c. N/A	R= ft ²				
4 Number of Bedrooms	4		d N/A	R≔ ft²				
5 Is this a worst case?	Yes		10. Celling Types (1914.0 sqft.) a. Under Attic (Vented)	Insulation Area R=30.0 1914.00 ft²				
6 Conditioned floor area above	ve grade (ft²) 1914		b. N/A	R= ft²				
Conditioned floor area belo	ow grade (ft²) 0		c N/A	R= ft ²				
7 Windows(219.7 sqft.)	Description Are	**	11 Ducts a Sup Attic, Ret: Exterior, AH Exterior	R ft² 6 286				
	·	69 ft²						
	HGC=0.40 bl, U=0 35 90 (00 ft²	12 Cooling systems	kBtu/hr Efficiency				
	HGC=0 30	00 10	a Central Unit	36 0 SEER:14 00				
	/A	ft²						
SHGC: d. U-Factor N	/A	ft²	13 Heating systems	kBtu/hr Efficiency				
SHGC	/M	11.	a Electric Heat Pump	30.0 HSPF:7.70				
Area Welghted Average Ov	verhang Depth 1 0	000 ft,						
Area Weighted Average Si	HGC ⁻ 0.35	59	14. Hot water systems a Electric	Cap 50 gallons				
8 Floor Types (1914.0 sqft.)		· · · · · · · · · · · · · · · · · · ·	2 2,000,0	EF: 0.910				
a. Crawispace b. N/A	R=11 0 1914.0 R=	00 ft²	b. Conservation features					
c N/A	R=	ft²	None 15 Credits	Pstat				
AND HER STATE THE PROPERTY OF								
Glass/Floor Area: 0.11	5	osed Modified L		PASS				
Marchinen kannannan sepadah kan kan kan kannan kannan kannan kannan kannan kannan kannan kannan kannan kannan Marchinen kannan ka	lotal Standa	ard Reference Lo	oads: 54.95					
this calculation are in comp	ns and specifications covere	rgy s	Review of the plans and pecifications covered by this alculation indicates compliance	OF THE STATE				
J	Luald Thomas	w	ith the Florida Energy Code.	5				
PREPARED BY: 8-6-12			efore construction is completed nis building will be inspected for					
DATE,	***************************************		ompliance with Section 553.908					
I hereby certify that this bui with the Florida Energy Cod	ilding, as designed, is in con de	i	lorida Statutes.	COD WE TRUS				
		11	BUILDING OFFICIAL.					
DATE:		D	OATE:					
- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist Approved By SCOTT S. FRANCES								

Modular Building Plans Examiner

Florida Lirensa No. SMP-42

A STOWN EACH

		n de la companya de l		PROJECT				leane published substitution in the		ON AS HARDS AND SPECIMENTS OF	
Title: Building Type: Owner: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	2425-0266F C64FLProp2010 1 CHAMPION HOI Single-family New (From Plans	MES	Bedrooms Conditioned Total Stories Worst Case Rotate Angle Cross Ventil Whole Hous	: 1 Yes 180	3		Address T Lot # Block/Sub PlatBook Street' County City, State	oDivision: o, Zip	Street Ad JEFFERS ÞERRY , FL ,		
			Schrödige (Schrödige Control of Schrödige Control o	CLIMATE		ACALINA III SIII SII SII SII SII SII SII SII S				and the state of t	abmentiko konerrentzoa
Desig	gn Location	TMY Site	IECC Zone	U	n Temp 2.5 %	Int Desig Winter	jn Temp Summer	Heating Degree Da			ily Temp Range
FL, T	Tallahassee I	FL_TALLAHASSEE	REG 2	28	94	70	75	1545	4	6	Medium
STATEMENT OF STATEMENT AND				BLOCKS				ncincured principlatic articulati	a Applica e di mala su di addididi.	S PHONISM ACTION IS	
Number	Name	Area	Volume								
1	Block1	1914	17226								
		NATIONAL PROPERTY PROPERTY SERVICE SERVICE SERVICES	Charles de Charles (de la Septembra de Charles de Charl	SPACES	NAZOKANI OKANI AMBANIA		CANAL SAME CONTRACTOR SAME SALES			MATERIAL STATEMENT (STATEMENT)	
Number	Name	Area	Volume Ki	tchen Oc	cupants	Bedrooms	i Infil I	D Finish	ed C	Cooled	Heate
1	RoomsInBlock1	1914	17226	Yes	4	4	1	Yes	Υ	'es	Yes
2013 and secure 2 that American Secure Control Security S	atoria kan di menementan arang kan di perjambah di di menembah di menembah di menembah di menembah di menembah Atoria kan di menembah di			FLOORS					- 10 mm		
#	Floor Type	Space	Expose	d PerWall Ins	. R-Value	Area	Floor Joist	R-Value	Tile	Wood	Carpet
1 Cra	wlspace	Roomsli	nBlock1 141 f	t	0	1914 ft²	11	NACO MARI APPENDANCE NA PROPERTIES	0.1	0.1	0.8
ROOF											
/ #	Туре	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Testec	Emit	t Emitt Tested	Deck Insul	
1	Gable or shed	Composition shingl	es 1973 ft²	238 ft²	Medlum	0.96	No	0 9	No	0	14
maaaaa ka fi shi ee maada ah ye kanadu minaminin ah ah a kababa	ophetiker a senskokko eksobolka aserbo a senskoka aserbo	TOTT THE TOTAL STATE A STATE AS A STATE OF THE STATE AS A STATE AS	kilomilian kanakulus panyos payagaga pakin iki kepineta	ATTIC	akatik basay pada kada kitanasay daga katanasay	ez egenes a polició de la contracto de la cont	Makaciman dapun (pagaktanah	TO POST OF CHARGE STATE	ene saje fi di barreterakteur sann		MILES HARMON PROPERTY SERVICES
#	Type	Ventila	ation	Vent Ratio (1	in)	Area	RBS	IRCC	n populati (1986) akai kabi kabi kata kata kabi		
1	Full attic	Vent	ed	300	1	1914 ft²	N	N			
ven karinakan da karinakan kendulan kendulan kendulan kendulan kendulan kendulan kendulan kendulan kendulan ke	inkanaskanikainen om innere konstantinisterie		POMPONIA MICEO DE PARTE COM ANTONIO DE COMO	CEILING			y kita kali mandan ya ta 1964 (ar as	Condition of Parish Condition of Condition o	ESCHOLAR OF MARKETON AND	Perférat processi consume	nastradi inipercanasi pengengan
#	Ceiling Type		Space	R-Value	Al	'ea	Framing	g Frac	Tr	uss Typ	e
1	Under Attic (Vent	ted) Ro	oomsInBlock1	30	19	14 ft²	0 1	1		Wood	

							W	ALLS							
\checkmark	# Orn	,	Adjace:		Туре	Space	Cavity R-Value	Wid Et		Height	Area	Sheathing	Framing Fraction	Solar	Below Grade%
	1 S		xterior		ne - Wood	RoomsinBi		29	,	9	261 ft²		0.23	0.75	0
	_2 N	E	xterlor	Fran	me - Wood	RoomsinBl	oc 19	29	0	9	261 ft ²		0.23	0 75	0
	3 W	' E	xterlor	Fran	ne - Wood	RoomsinBi	oc 19	66	0	9	594 ft²		0.23	0.75	0
······································	_4 E	Ex	kterior	Fran	me - Wood	RoomsinBl	oc 19	66	0 :	9	594 ft²		0.23	0 75	0
		outonyalezarvari	tegonikreteria	THE PERSON NAMED OF STREET	and the second s	o province in the control of the con	DC	ORS	LOCAL PROPERTY OF THE PARTY OF						Ten sense sens
V	#		Ornt	ekonometronen	Door Type	Space			Storms	U-Valı	ie F	Width t in	Helgh Ft	t In	Area
1 E Insulated						RoomsInBloo	;	***************************************	Metal	0.4600	00 3	}	6	8	20 ft ²
	_ 2		W		Insulated	RoomsinBloc	3		None	0 4600	00 3	}	6	8	20 ft²
WINDOWS Orientation shown is the entered orientation (=>) changed to Worst Case.															
NACONI PROPERTY		an day direct policy.	Wall	NEED PROCESSION OF THE PERSON	Offentatio	on snown is the	entered or	lentation	(=>) CNS	inged to vv	外的國際條款 第2条時期長至17億以	who no			
$\sqrt{}$	#	Ornt		Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area		rhang Separation	Int Sha	ade	Screenin
~~~~	1	E	4	Vinyl	Low-E Double		0 35	0 4	N	75 ft²	1 ft 0 ln	2 ft 4 in	HERS :		None
	2	E	4	Vinyl	Low-E Double		0.35	0.4	N	25 ft²	1 ft 0 in	2 ft 4 in	HERS :	2006	None
	3	s	1	Vinyl	Low-E Double		0.35	0.4	N	15 ft²	1 ft 0 in	3 ft 4 in	HERS :		None
	. 4	N	2	Vinyl	Low-E Double		0 35	0.4	N	14.69444	1 1 ft 0 in	2 ft 8 in	HERS:	2006	None
	5	W	3	Vinyl	Low-E Double	Yes	0 35	03	N	12 5 ft²	1 ft 0 In	2 ft 4 In	HERS :	2006	None
	6	W	3	Vinyl	Low-E Double	Yes	0 35	03	N	40 ft ²	1 ft 0 in	2 ft 4 in	HERS :	2006	None
	. 7	W	3	Vinyl	Low-E Double	Yes	0.35	0.3	N	37.5 ft²	1 ft 0 ln	2 ft 4 in	HERS :	2006	None
INFILTRATION															
	Scope		M	ethod		SLA C	FM 50	ELA	Ē	EqLA	ACH	AC	H 50		
E	SySpace	S	Propo	sed SL	A 0	.000360	1807.3	99 221	18	86 60	0.2267	6.2	952	to the second second second second	
CA (HINDERSON)		Production and the second	and the second	india interiority (managagi fil	arturio di Lorio Companio di Artoria (1460)	MACTO PARTICIPATA PROPERTIES AND	HEATIN	G SYS	TEM	AND THE PERSON OF THE PERSON O	an kirin di mammalije novije ilije vije i i zavorin	nemperat de la lactificación d	OROTOMOSK PRINSPERIOR	Maintenant (20) H. Marie Fig. )	ne nesalantik derikanen kaputara
V	#	Sys	tem Ty	ype	THE REPORT OF THE PROPERTY OF THE PARTY OF T	Subtype			Efficienc	У	Capacity			Block	Ducts
	_ 1	Ele	ctric H	eat Pun	np	None			HSPF 7	7.7 3	0 kBtu/hr			1	sys#1
						(	COOLIN	G SYS	TEM		33 TO CARE OF THE COMMON TO SERVICE OF THE SERVICE	Prince Control Section (Section 2017)			
V	#	Sys	tem Ty	уре		Subtype			Efficiency	y Capac	ity /	ir Flow S	SHR	Block	Ducts
	. 1	Cer	itral Ur	nit		None		;	SEER 14	4 36 kBtt	الـ/hr 10	)80 cfm (	0.75	1	sys#1
n sacabhpa		tomore and	KIRIPEK CONNECTE	Selection of Albert	Colonia il missi di Albania di Malatanni di Baragasia	H	TAW TC	ER SY	STEM		SARAKES SPECIES HEST ASSESSMENT THE	ara sa ang ang ang ang ang ang ang ang ang an	ar in may a real property of the second property of	kan	A Projem Productive State of Land
unisseparea	#	S	ystem	Туре	SubType	Location	EF	Ce	Ď.	Use	SetP	nt	Cons	ervation	
	1	E	lectric		None	RoomsInBloc	k <b>1</b> 0.91	50 g	jal	70 gal	120 de	eg	N	one	

SOLAR HOT WATER SYSTEM															
	FSEC Cert #	Company	Name	NOT THE PART IN COMMENTER AND	S. C.	System Mo	odel#	Col	lector Model		lector rea	Stora Volun	~	FEF	<b>W</b> power concension.
p.1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	None	None	***************************************		······			***************************************	<u>, , , , , , , , , , , , , , , , , , , </u>	***************************************	ft²			***************************************	***************************************
	ear in the second second second	TO THE TO SHEET WAS SHEET SHEET STORY		iran (1994) dalik iran (1995) dalik iran (1995)		D	UCTS	and the second considerate and the second considerate and the second considerate and the second considerate and			TO SHARE SHEET AND	alle de la companie de	nd and an indicate state of		
<b>/</b>	#		pply R-Value Area	Locat	Return ion	Area	Leakag	е Туре	Air Handler	CFM 25	Percent Leakage	QИ	RLF	HV/ Heat	AC # Cool
	1	Attic	6 286 ft²	Exter	ior (	98.7 ft²	DSE:	=0.88	Exterior	57 4 cfm	0.00 %	0.00	0.05	1	1
TEMPERATURES															
Programable Thermostat. Y Celling Fans.									HERENCH CHANNETS						
Cooling Heating Venting	[X] Jan [X] Jan [X] Jan	X Feb X Feb X Feb	X) Mar X) Mar X) Mar	[X] Apr [X] Apr [X] Apr	XXX	May May May	X] Jun X] Jun X] Jun	X Jul X Jul XJul	X Aug X Aug X Aug	[X] Sep [X] Sep [X] Sep		ot ct ct	X Nov X Nov X Nov	XX	Dec Dec Dec
Thermosta Schedule		e: HERS 2	006 Reference 1	2	3	4	5	Hoi 6	urs 7	8	9	10	11	1	12
Cooling (W	VD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	<u> </u>	80 78
Cooling (W	VEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	7	78 78
Heating (V	VD)	AM PM	66 68	66 68	36 38	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	68 66
Heating (V	VEH)	AM PM	66 68	66 68	66 88	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	(	68 66
MECHANICAL VENTILATION															
Гуре	TO COMPANY TO STATE OF THE STAT		Supply CFM	Exhaust	CFM	Fan Watt	s HRV	Heating	System	R	lun Time	Coo	ling Syst	tem	HANNE AND ASSESSED.
None			0	C	)	0	0 1	- Electric	Heat Pump	Marian marian escriber es	0%	1 - Cer	ntral Unit	ţ	

FORM 405-10

Florida Code Compliance Checklist
Florida Department of Business and Professional Regulations Residential Whole Building Performance Method

ADDRESS: PERMIT #:		
DEDDY EI	ADDRESS:	PERMIT #:
	PERRY, FL,	

### MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283 Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air Must complete envelope leakage report or visually verify Table 402.4.2.	
Thermostat & controls	403.1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.	
Ducts	403.2.2	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7.2 of this code.	
	403.3 3	Building framing cavities shall not be used as supply ducts.	
Water heaters	403.4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403 4 3.2 Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.	
Mechanical ventilation	403.5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	
Swimming Pools & Spas	403.9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0.	
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503 2 3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	
Ceilings/knee walls	405 2.1	R-19 space permitting,	

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

# ESTIMATED ENERGY PERFORMANCE INDEX* = 74

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

### , PERRY, FL,

1.	New construction or exis	ting	New (F	rom Plans)	9. Wall Types	Insulation	ı A	√rea
2.	Single family or multiple family		Single	-family	a. Frame - Wood, Exterior b. N/A	R=19.0 R=	1710	00 ft² ft²
3.	Number of units, if multip	ole family	1		c. N/A	R=		ft²
4.	Number of Bedrooms		4		d. N/A	R=		ft²
5.	Is this a worst case?		Yes		10 Ceiling Types a. Under Attic (Vented)	Insulatior R≕30 0		Area 1.00 ft²
6	Conditioned floor area (f	t ² )	1914		b. N/A	R=		ft²
7.	Windows** a. U-Factor: SHGC:	Description Dbl, U≈0.35 SHGC=0.40		Area 129 69 ft²	c. N/A 11. Ducts a Sup: Attic, Ret: Exterior, AH Exterior	R=	F 6	ft² R ff° 8 286
	b. U-Factor: SHGC: c U-Factor: SHGC	DЫ, U=0.35 SHGC=0.30 N/A		90.00 ft²	12 Cooling systems a. Central Unit	kBtu/hr 36.0		ciency R:14.00
	d. U-Factor: SHGC Area Weighted Average Area Weighted Average			ft² 1.000 ft. 0.359	13 Heating systems a. Electric Heat Pump	kBtu/hr 30.0		ciency PF:7 70
8.	Floor Types a. Crawlspace b N/A c. N/A		insulation R=11 0 R= R=	Area 1914 00 ft² ft² ft²	<ul><li>14. Hot water systems</li><li>a. Electric</li><li>b. Conservation features</li><li>None</li></ul>	Ca	ap; 50 ( Ei	gallons F 091
					15 Credits			Psta

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

3uilder Signature.	Date	3:
Address of New Home		City/FL Zip:



*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section 303 1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.



ENGINEERING • INSPECTIONS
CERTIFICATIONS • TESTING

August 20, 2012

Champion Home Builders Inc. P.O. Box 2097 Lake City, FL 32025 Davocich

RE: Manufacturer: Champion Home Builders Inc.

S/N Size & Occupancy; C643; 29'-0"x 66'-0"; R3

HWC Plan#: 2425-0266F

### To Whom It May Concern:

This is to certify that the plans for the referenced manufactured building have been reviewed and approved as being in compliance with the 2010 Florida Codes and Standards as noted on the approved drawings, subject to the following limitations:

- 1. Approval covers factory-built structure only. (Note: Any alterations to factory built structure on site voids state approval)
- 2. Items installed at the site are subject to review, approval, and inspection by the local authority having jurisdiction.
- 3. The Chapter 633 Plan Review and Inspection shall be conducted by the local fire safety inspector.
- 4. Signed and sealed plans shall be on file with HWC Engineering.
- 5. NOT approved for High Velocity Hurricane Zone (i.e. Broward and Dade Counties)

Sincerely,

HILBORN, WERNER, CARTER & ASSOCIATES, INC.

Plan Reviewer