One (1)

126 MPH - Ultimate

0 hr

MFT-2530-EZ-476-1

7/18/2012

Southern Energy Homes, Inc.

Const. Type:

Occupancy:

of Floors:

Allowable No.

Wind Velocity: Fire Rating of

Ext. Walls:

Plan No.:

Allow. Floor Load

Approval Date:

Manufacturer:

APPLICATION ENGINEERING FOR HEATING AND COOLING

SOUTHERN ENERGY HOMES Hwy 41 N, PO Box 269 Addison, AL 35540

Manufacturer's Model #: EZ-476-1-FL

HVAC System Type: OVERHEAD GRAD FLEX FOR UPFLOW (SPLIT A/C)

Prepared By LaSalle Air Systems

7/6/2012

{Method & Output 5 2012}

All rights reserved: this information proprietary to LaSalle Bristol Co. & clients.

Calculations on this page are based on design parameters set forth in ASHRAE and ACCA Manuals J and D. System registers are located for best distribution based on Manual T. Design calculations are based on worst case orientation. Room loads may vary based on actual conditions.

ENTIRE HOUSE VALUES - DESIGN ZONE: FL, Region 2A (2010)

COOLING LOAD:

10 (2)

21,163 Btuh based on outside temp of

96 ° F (35 C) with inside temp reduced to

These prints comply with the Florida Manufactured Building

Act and adopted Codes and

APPROVED BY

adhere to the following criteria:

75 ° F (23 C)

HEATING LOAD:

25,754 Btuh based on outside temp of

17 ° F (-9 C) with inside temp raised to

72 ° F (22 C)

Crawlspace is not heated by the primary air handler.

CONSTRUCTION	DETAILS & U FA	CTORS:	(19-19-38)		GREE	N ORIENT	ATIO	N	
TOTAL FLOOR AREA:	1908.50 s.f.	TRUE OU	TSIDE PERIMETER:	202.33	ft				
Lowest Ceiling Height:	108 in.	Highest C	eiling Height:	108 in.					
NET Ext Wall Area:	1518.92 s.f.	ROOF:	0.029	FLOOR DUC	TS (U):	0			
TOTAL Low-E window	254.80 s.f.	WALLS:	0.059	ATTIC DUCT:		0.125			
TOTAL S.G.D.	0.00 s.f.	FLOOR:	0.050	EXT. DUCTS	5.00 m	0.125			
TOTAL Glass Block	0.00 s.f.	Low-E wi	0.370	ATTIC DUCT		44.286	sfexn	nsed	
TOTAL Skylite	0.00 s.f.	S.G.D.	1.060	EXT. DUCT A	REA:	0	s.f exp		
TOTAL Door1 Area:	21.64 s.f.	Glass Bic	0.790	PEOPLE:	AL-ROSERVIAN	4	o., oxp	0000	
TOTAL Door2 Area:	43.28 s.f.	Skylite	0.790	FIREPLACES	ě	0			
WINDOW % OF FLOOR	12.43 %	Door 1:	0.370	DUCT GAIN:		1063	Btuh	@ 83 TD/ 49 TD	
WINDOW % OF WALL	13.02 %	Door 2:	0.280	DUCT LOSS:		1376	Btuh	@ 110 TD	10.0
LATENT GAIN:	2478 Btuh			SUMMER INF	ILTR:	57.4	cfm	@ 1.10.15	
Mech. Ventilation:	0 cfm	Altitude:	40 ft	WINTER INFI	2000 S.	86.1	cfm		

ROOM BY ROOM VALUES:

657.3 FPM, max velocity in trunk #:

0.19 Max pressure at A/H

Actua	al heating	g and cooling re	equired in each re	oom and		Cooling Air	•	Heating Air		70.	
	flow set	to maximum of	either heating o	cooling		Values for		Values for	30	10.0 KW	Maximum A/C capacity
		HEATING	COOLING	CFM		2.5 t	on unit	90	% Gas/Oil	Elec	Calibrated Blower Test
ROOM NAME		LOSS (Btu)	GAIN (Btu)	DIST		CFM	Btuh	CFM	Btuh	E Btuh	Btuh (alt adj)
Living Room	c	4,756	4,334	157	(*)	166	5,107	158	4,628	5,857	6.740
Dining	C	3,480	3,456	129	90	151	4,636	144	4,201	5,317	6,102
Kitchen	h	1,753	1,137	47	9	66	2,044	63	1,853	2,345	2,699
Utility	h	1,417	857	38		56	1,725	53	1,563	1,978	2,277
M. Bedroom	C	2,493	2,241	84		104	3,191	99	2,892	3,660	4,212
Dressing Area	C	361	229	12		=	-	*	-	-	
WIC	h	920	593	25	2	53	1,644	51	1,490	1,885	2,170
M. Bath	C	2,936	2,200	82		94	2,895	90	2,623	3,320	3,821
Bedroom #3	c	2,953	2,529	93	-	98	3,032	94	2,748	3,477	3,986
Hall Bath	h	811	531	22	2	40	1,237	38	1,121	1,419	1,632
Bedroom #2	c	2,698	2,372	88		84	2,584	80	2,342	2,963	3,411
Foyer	h	1,176	682	32	*	54	1,656	51	1,501	1,900	2,187
TOTALS		25,754	21,163	809	30	966	29,752	923	26,960	34,120	39,236



APPLICATION ENGINEERING EQUIPMENT SELECTION AND SIZING WORKSHEET (MANUAL S)

Manufacturer:

SOUTHERN ENERGY HOMES

Model #: EZ-476-1-MOD-FL

Hwy 41 N, PO Box 269 Addison, AL 35540

HVAC System Type: OVERHEAD GRAD FLEX FOR UPFLOW (SPLIT A/C)
Design Zone: FL. Region 2A (2010)

SULTS FROM MANUAL-J CA	LCULATIONS: Worst Case	e Orientation			
ATING LOAD: 25,	754 Btuh at 17 °	REQ'D BLOWER CFM:	966 cfm at alti	tude of 40 ft	
	685 Bluh at 96 °	Entering Air DRY Bulb:	75.0 °	Mech. Ventilation: 0	
TENT CLG LOAD: 2, RAINS DIFFERENCE:	478 Bluh at 96 ° -	Entering Air WET Bulb: Outside wet bulb:	59.0 ° 83.0 °	Entering Air RH: 45 %	
				outside RH: 68,3 %	
LL IN THE DATA FROM THE H	.V.A.C. EQUIPMENT DATA	CHARTS: (Do not use ARI I	Ratings!)		
ir handler model #:		_ Condenser mode	el #:		
Blower Data Select blow	er speed in COOLING mode:				
Blower CFM is from	649 to 879 f	or Total (External) Static Pres	sure of	0.7 to 0.9	
Electric, Gas or Oil Furnace	Select blower speed in HEA	ATING mode:	Output Btuh	is from 27041	_ to 36055
Blower CFM is from	451 to 533 f	or Temp. rise of 55-65			
Blower CFM is from	533 to 651 f	or Temp. rise of 45-55			
Blower CFM is from	651 to 837 fe	or Temp. rise of 35-45			
Cooling Equipment	S/T Ratio = 0.88	Lamina Tan-	0	27.0.5	
At 96F outside, Total A/C out		Leaving Temp = 48.0 ft tuhto	TD = 24337 btuh is G	27.0 *	
At 96F outside, Total A/C out		tuhto	25395 btuh is M		
			20000 Blair B W	ANOTHAL.	
Sensible Capacity is from	17445 btuh	to 19923 btuh			
and the second s					
Latent Capacity is from Mechanical Ventilation is Heat Pump with Supplementa Data from performace of		to 3717 btuh Dry bulb incre		F and wet bulb by: 0	F
Mechanical Ventilation is Heat Pump with Supplemente Data from performace of both at For	0.0 % of blower cfm. al Heating Coils tharts utside	Dry bulb incre Data from load ca O btuh at	Iculation 72 Foutside		F
Mechanical Ventilation is Heat Pump with Supplemente Data from performace complete Formula Formul	0.0 % of blower cfm. al Heating Coils tharts utside	Dry bulb incre Data from load ca	lculation		F
Mechanical Ventilation is Heat Pump with Supplemente Data from performace of both at For	0.0 % of blower cfm. al Heating Coils tharts utside	Dry bulb incre Data from load ca O btuh at	Iculation 72 Foutside		F
Mechanical Ventilation is Heat Pump with Supplementa	0.0 % of blower cfm. al Heating Coils tharts utside	Dry bulb incre Data from load ca O btuh at	Iculation 72 Foutside		F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace of btuh at Formula	0.0 % of blower cfm. al Heating Coils tharts utside	Dry bulb incre Data from load ca O btuh at	Iculation 72 Foutside		F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace of btuh at Form btuh at Form btuh at South a	0.0 % of blower cfm. al Heating Coils charts atside atside	Dry bulb incre Data from load ca 0 btuh at 25,754 btuh at	Iculation 72 Foutside		T F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace of btuh at Formula	0.0 % of blower cfm. al Heating Coils charts atside atside	Dry bulb incres Data from load cas 0 btuh at 25,754 btuh at	Iculation 72 Foutside		i F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace of btuh at Form btuh	0.0 % of blower cfm. al Heating Coils charts atside atside	Dry bulb incre Data from load ca 0 btuh at 25,754 btuh at	Iculation 72 Foutside		
Mechanical Ventilation is Heat Pump with Supplementa Data from performace of the bruh at For the bruh at	0.0 % of blower cfm. al Heating Coils charts atside atside bornpiy with the Const. Type: accured Building Occupancy:	Dry bulb increa	Iculation 72 Foutside 17 Foutside		i F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace c btuh atFor5000For	0.0 % of blower cfm. If Heating Coils charts Itside Itside	Dry bulb increa	Iculation 72 Foutside 17 Foutside		i F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace of the bruh at For the bruh at	0.0 % of blower cfm. If Heating Coils charts Itside Itside	Dry bulb incres Data from load cal 0 btuh at 25,754 btuh at VB - unprotected R-3 One (1) 126 MPH - Ultimate	Iculation 72 Foutside 17 Foutside		F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace compatible of the supplementa btuh at For the supplementa btuh at For the supplementa btuh at For the supplementa 35000	0.0 % of blower cfm. If Heating Coils charts Itside Itside	Dry bulb increa	Iculation 72 Foutside 17 Foutside		F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace c btuh atFor5000For	0.0 % of blower cfm. If Heating Coils Charts Itside Itside	Dry bulb incres Data from load cal 0 btuh at 25,754 btuh at VB - unprotected R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 att 40 PSF	Iculation 72 Foutside 17 Foutside		F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace of btuh at For btuh at For second performace of btuh at For second performace of btuh at For second performance of btuh at For second performance of the perfor	Down of blower cfm. If Heating Coils Charts Itside	Dry bulb incres Data from load cai 0 btuh at 25,754 btuh at VB - unprotectec R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 ad: 40 PSF 7/18/2012	Iculation 72 Foutside 17 Foutside		F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace compatible of the supplementa btuh at For the supplementa btuh at For the supplementa btuh at For the supplementa 35000	0.0 % of blower cfm. If Heating Coils Charts Itside Itside	Dry bulb incres Data from load cal 0 btuh at 25,754 btuh at VB - unprotected R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 att 40 PSF	Iculation 72 Foutside 17 Foutside		F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace of the body and the provided Manu Act and adop adhere to the source of the sourc	Down of blower cfm. If Heating Coils Charts Itside	Dry bulb incres Data from load cai 0 btuh at 25,754 btuh at VB - unprotectec R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 ad: 40 PSF 7/18/2012	Iculation 72 Foutside 17 Foutside		I F
Mechanical Ventilation is Heat Pump with Supplementa Data from performace of btuh at For btuh at Act and adop adhere to the APPROX	Down of blower cfm. If Heating Coils Charts Itside	Dry bulb incres Data from load cal 0 btuh at 25,754 btuh at VB - unprotected R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 ad: 40 PSF 7/18/2012 Southern Energy Homps, Inc.	72 F outside 17 F outside	ad Line and Performance Line	I.F.
Mechanical Ventilation is Heat Pump with Supplementa Data from performace of btuh at For btuh at Act and adop adhere to the APPROX	Don't ply with the const. Type: Docupancy: Allowable No. Of Floors: Wind Velocity: Fire Rating of Ext. Walls: Plan No.: Allow. Floor Lot Approval Date: Manufacturer:	Dry bulb incres Data from load cai 0 btuh at 25,754 btuh at VB - unprotected R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 ad: 40 PSF 7/18/2012 Southern Energy Homps, Inc.	Iculation 72 Foutside 17 Foutside	ad Line and Performance Line	F

NEC 220.82

Southern Energy Residential Electrical Feeder Load Calculation for 120 / 240 Volt

DATE: 07/10/12 BY: SMP

VB - unprotected R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 40 PSF 7/18/2012 Southern Energy Homes, Inc.

MODEL: EZ-476-1

A STATE OF THE STA							
(B)(1) LIGHTING LOAD		2255 7432	1 4400				
Main Floor Size =	00 0	Tag F	loor Size =		2nd. Floor Size =		
length = 76			length =	ft.	length =		
width = 30	7.00 II.		width =	ft.	width =	ft.	
Total area = 1	928 sg. ft.		Minimum nur	nhar			
X	3 VA		of 15 Amp ci		4		
No.	5784 VA		or 10 Amp ci	Cuits -	4		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
(B)(2) SMALL APPLIANC	E LOAD		LAUN	DRY LOAD			
No. of circuits =	4		1.11	ircuits =	1		
x 1	1500 VA			×	1500 VA	450	with the transfer
6	AV 000				1500 VA	· phosic s	福里 强烈
						6 .3	ar area to
(B)(3) APPLIANCE LOAD	& (B)(4) MOTOR I					, S	The Action
Electric Range =		11900				E i	
Electric Water Heater =		8000					Va beabb
Electric Clothes Dryer =		5600					11100
Electric Cooktop =			VA			1. John	- Wilele
Electric Wall Oven =			VA			-1	7617119
Trash Compactor =			VA			17 -	1711/12
Dishwasher =		744				V 2.	ALCE OF A
Garbage Disposal =			VA			10 S	
Hydromassage Tub Motor			VA			146	- UHA- TO
Gas/Oil furnace blower mo	otor =		VA				4641
Microwave oven =		1600					
Other =			VA				
Exhaust Fans (total of all)	=	840			hen @ 120 VA ea		
		28684	VA	3 Bati	n @ 240 VA each		
TOTAL OF LOADS (B)							
TOTAL OF LOADS (B)		F70.4		*****	ate earney with the	Const. Type:	VB - unprotect
(1) Lighting load =		5784			nts comply with the	Occupancy:	R-3
(2) Small appliance load = (2) Laundry load =		6000	3372		enutactured Building	Allowable No.	
(3) Appliance & (4) Motor le	oad '	1500 28684			dopted Codes and		One (1)
Subtot		41968		adhere to	the following criteria:		126 MPH - Ultin
Oublot		11000	VA.			Wind Velocity: Fire Rating of	
Demand Fac	ctor			APPE	ROVED BY	원이 맛을 되지 않아야 한 것 같아? 요점	0 hr
First 10000 VA @ 100		10000	VA	-		Ext. Walls:	MFT-2530-EZ-
Remaining 31968 VA @ 40		12787				Pian No.:	40 PSF
General Load Total		22787		N.	LINIO	Allow, Floor Load:	7/18/2012
				1.4	INC.	Approval Date:	
(C) HEATING AND AIR-CO		AD (US	E LARGEST)			Manufacturer:	Southern Energy H
(1) Air conditioning & coolin	ng @ 100% =		terromen		0 VA		
(2) Heat pump w/o supplen		ng @ 1	00% =		0 VA		
(3) Electric thermal storage					0 VA		
(4) Heat pump @ 100% & :	supplemental electr	ic heati	ng @ 65% =		0 VA		
(5) Electric space heating (less than 4 units) @	65% =			13260 VA		
			То	tal VA = 3	6047 VA / 240 V	'olts =	
					-		
			L OF ALL LO		50 AMPS		
			anel Size Req		75 AMPS		
	Actual	Main P	anel Size Inst	alled = 2	00 AMPS		
	Service Feede	r Condi	ictor Size Ren	wired =	4/0 AWG AL 6	r CLL Clad Al	
			Table 310.1		2/0 AWG CU	OO Olda ME	
				-1-71-7			
	Grounding	Electro	de Conductor	Size =	2 AWG AL	r CU-Clad AL	
	- Country			250.66	4 AWG CU	OO GIAG AL	
220.61			1.0010	200100	4,111000		
NEUTRAL LOAD	Lighting, Small A	pplianc	e & Laundry L	oads =	13284 VA		
			3000 VA @		3000 VA		
	Re		10284 VA @		599.4 VA		
			Su		599.4 VA		
	500						
	Total Co		Appliances @		8330 VA		
			thes Dryer @		3920 VA		
		Sum of	other 120 V L		3184 VA		
				Total = 22	033.4 VA / 240 V	=	

Neutral wire size based on amps =

92 AMPS



DESIGNER GUIDE FOR ALTERNATIVE FOUNDATIONS:

UNIT WIDTH: 180 in ROOF PITCH: 6/12 TO 6/12 WIND: 100 MPH EXPOSURE C-encloses

76 ft.

1 STORY- W.O ATTIC

PLANT # 943 MODEL NUMBER: EZ-476-1 MAX. STRUCTURE LENGTH:

FLORIDA

Ver. 12.13

Mating wall is a roof load bearing wall; therefore the column supports of all first floor mating wall opening must be supported for the concentrated gravity and uplift loads based on the opening span as provided in table A:

TABLE A: Mating wall column roof loads:

	+0	First Floor	Location	Roof Load	s at 1st flo	or opening per	Snow load (lbs.):	Net
	Colum ID	Span (ft.)	(Ft)	20 psf				Uplift
	1	8'	36.333'	2146#				400 #
/ / /	2	8'	44.333'	2146 #				400 #
ARE	3	6.9'	48.333'	1851 #	2572			345 #
ARE	4	6.9'	55.166'	1851#	11112			345 #
₹ ≥	5	8'	60.1666'	2146 #				400 #
OWING PIERS UNDER (A/B) N LUMNS	6	8'	68.166'	2146 #				400 #
(D K)		_		-		-		-
OWING								
355		-			_			
FOLL								+
#84								
THE F LOCA WALL								

1. Table A reflects roof load at mating wall opening supports from roof load only. To determine the load at a foundation adjacent floor and wall loads must be added per table B. In lue of using above load may be derivied by multiplying half mating wall opening span times mating wall at 1st floor ceiling uniform load as specified in table B.

TABLE B: UNIFORM LOAD (PLF) AT FLOOR LINE AT:

	Floor Load	Uniform Lo	ad under w	all per Grou	nd Snow (lbs/	ft.):	Net Uplift	(lb/ft.)
	Only ³	20 psf					NC	Corner
SIDEWALL AT 1st FLOOR CEILING	. plf	298.7 plf					85.6 plf	106.9 plf
SIDEWALL AT FLOOR TO SILL:	. plf	596.8 plf	A112222				. plf	. plf
MAX. SIDEWALL RIM RAIL SPANS (in.)	NA	NA					- 5/1/8/A - 5415	100 1
MATING WALL AT 1st FLOOR CEILING:	. plf	536.6 plf					100. plf	100. plf
MATING WALL AT FLOOR TO SILL:	. plf	1140. plf					. plf	. plf
MAX. MATING RIM RAIL SPANS (in.)2	NA	NA					1.96	46.5
SIDEWALL & MATING WALL SUPPORTED ⁸ :	<u> </u>	N					WASTER TO	ν.
CHASSIS BEAM SUPPORTS (PLF):	360. plf	607.6 plf					- 188 Sec. 4	
MAXIMUM CHASSIS PIER SPACING (FT.	13.4' o/c	10.3' o/c					11.71	
FOOTNOTES:								-

- 1. SIDEWALL SPANS BASED ON RIM JOIST(S): (2) 2X8 #2 SPF WITH EACH RIM MEMBER SPLICED WITH 5" X.8" MITEK M2D metal plates each side
- 2. MATING GIRDER SPANS BASED ON RIM JOIST(S): (4) 2X8 #2 SPF WITH EACH RIM MEMBER SPLICED WITH 5" X 8" MITEK M20 metal plates each side
- 3. FLOOR ONLY-INDICATES LOAD OR ALLOWABLE SPANS UNDER MATING WALL OPENINGS (FLOOR LOAD ONLY).
- 4. EACH ENDWALL SHALL BE ANCHORED TO FOUNDATION FOR SHEAR DUE TO HOR. WIND FOR 4343 Lbs. &. EACH SIDEWALL SHALL BE ANCHORED TO FOUNDATION FOR SHEAR DUE TO HOR. WIND FOR 3019 Lbs.
- 5. GRAVITY LOADS DO NOT INCLUDE WEIGHT OF FOUNDATION WALLS AND FOOTERS.
- 6. INDICATES UNIFORM LOAD OR ALLOWABLE SPANS UNDER MATING WALLS (FLOOR + ROOF LOADS).
- 7. UPLIFT LOAD AT SIDES OF FIRST FLOOR OPENINGS=(PLF)*OPENING/2
- 8. "Y"- SIDEWALL & MATING WALL IS SUPPORTED BY PIERS. OR "N"-SIDEWALL OR MATING WALL NOT SUPPORTED BY PIERS AT 8" OC. MAX.

NOTES TO ALTERNATE FOUNDATION DESIGN PROFFESIONAL:

- 1. THIS PACKAGE CONTAINS A COMPLETE RECOMMENDED FOUNDATION SUPPORT AND ANCHORAGE SYSTEM DESIGNED TO CARRY ALL IMPOSED LOADS ON THE STRUCTURE. ALTERNATIONS TO THESE DIRECTIONS MUST BE PREFORMED BY A LICENSED PROFESSIONAL ENGINEER TO CARRY ALL IMPOSED LOADS IN A MANNOR THAT DOES NOT OVERSTRESS THE HOME STRUCTURE. comply
- 2. THE LOAD ON THIS PAGE HAS BEEN PREPARED TO COMMUNICATE THE IMPOSED LOAD REQUIREMENTS FOR THE HOME AND IS INTENDED TO BE UTILIZED BY A PROFESSIONAL ENGINEERING IN CONFORMANCE WITH LOCAL BUILDING CODES.
- 3. FOUNDATION LOADS ABOVE REFLECTS THE FOLLOWING:
 - a. PIER SET (FRAME TIED) FOUNDATION DESIGN FOR: 30' 0 " 2-SECTION MODULAR 1 STORY- W.O ATTIC
 - b. 100 MPH EXPOSURE C-enclosed c. 20 PSF, MAX. GROUND SNOW LOAD.

 - d. 40 PSF FL. LL., 7PSF T.C.D.L., 8PSF B.C. D.L., 8PSF FL. DL. &, 10PSF B.C.L.L MAX. GROUND SNOW LOAD.
 - e. SEISMIC DESIGN CATEGORY C SDS=0.49
- 4. ALL DESIGN AND CONSTRUCTION IS SUBJECT TO THE AUTHORITY HAVING JURISDICTION. CONTACT LOCAL BUILDING DEPARTMENT FOR FROST LINE AND SOIL
- 5. FLOOR OR FOUNDATION WALL MUST BE INSULATED TO MEET A CONDITION SPACE AS REQUIRED BY HVAC DESIGN AS APPROVED BY BUILDING JURISDICTION. FOUNDATION WALL INSULATION SHALL BE PROVIDED AND INSTALLED BY OTHESR ON-SITE.
- 6. ALL FOUNDATION AND SITE WORK TO BE PERFORMED BY A LICENSED PROFESSIONAL CONTRACTOR.
- 7. THIS IS NOT INTENDED FOR CONSTUCTION DESIGN. FOUNDATION MUST BE DESIGNED TO CARRY ALL IMPOSED LOADS INCLUDING BUT NOT LIMITED TO FORCES INDICATED ABOVE FOR SPECIFIC STRUCTURE BY REGISTERED PROFESSIONAL ENGINEER IN ACCORDANCE WITH APPLICABLE BUILDING CODES.
- 8. PLEASE REFER TO THE PROVIDED FOUNDATION DESIGN PACKAGE FOR ALL FOUNDATION CONSTRUCTION REQUIREMENTS.
- 9. PLEASE CONTACT JOHN WELDY DIRECTOR OF ENGINEERING AT 574.825.7500 FOR ADDITIONAL INFORMATION. PLEASE PROVIDE FILENAME:943N-8.R.K.E.22.2.210(4)

Fire Rating of

and adopted Codes following PPROVED BY act of anarchi

Florida Manufactured

hese prints



DESIGNER GUIDE FOR ALTERNATIVE FOUNDATIONS:

Mating wall is a roof load bearing wall; therefore the column supports of all first floor mating wall opening must be supported for the

UNIT WIDTH: 180 in ROOF PITCH: 6/12 TO 6/12 WIND: 100 MPH EXPOSURE C-enclosed

1 STORY- W.O ATTIC

PLANT #: 943

76 ft.

MODEL NUMBER: EZ-476-1 MAX. STRUCTURE LENGTH:

Ver. 12.13

concentrated gravity and uplift loads based on the opening span as provided in table A:

TABLE A: Mating wall column roof loads:

		First Floor	Location	Roof Loads	at 1st floo	or opening pe	r Snow load (lbs.)1:	Net
100	Colum ID	Span (ft.)	(Ft)	20 psf				Uplif
	1	8,	36.333'	2146#				400 7
	2	8'	44.333'	2146#				400 7
	3	6.9'	48.333'	1851 #				345 1
	4	6.9'	55.166'	1851#				345 ;
	5	8,	60.1666'	2146#				400 7
E	6 ,	8'	68.166'	2146#				4001
OMNS								
								1
3								
48								
≥								

FLORIDA

 Table A reflects roof load at mating wall opening supports from roof load only. To determine the load at a foundation adjacent floor and wall loads must be added per table B. In lue of using above load may be derivied by multiplying half mating wall opening span times mating wall at 1st floor ceiling uniform load as specified in table B.

TABLE B: UNIFORM LOAD (PLF) AT FLOOR LINE AT:

	Floor Load	Uniform Load	under wall	er Ground	Snow (lbs	/ft.):	Net Uplift	(lb/	ft.)	
	Only ³	20 psf					NC	To	orn	er
SIDEWALL AT 1st FLOOR CEILING	. plf	298.7 plf					85.6 plf	1	106	9 plf
SIDEWALL AT FLOOR TO SILL:	. plf	596.8 plf					. plf	+	-	olf
MAX. SIDEWALL RIM RAIL SPANS (in.)1	NA	NA					1.503.4965		6.0	
MATING WALL AT 1st FLOOR CEILING:	. plf	536.6 plf		THE STATE OF			100. plf	+	100	. plf
MATING WALL AT FLOOR TO SILL:	. plf	1140. plf					. plf	+	. 1	_
MAX. MATING RIM RAIL SPANS (in.)2	NA	NA			CONTRACTOR OF THE PERSON OF TH	7 7 7	100		tel or	silve-
SIDEWALL & MATING WALL SUPPORTED ⁸ :	redest la	N					(Value A) Sa		rat:	in the
CHASSIS BEAM SUPPORTS (PLF):	360. plf	607.6 plf					F 4. 5 22 24 A			25.13
MAXIMUM CHASSIS PIER SPACING (FT.):	13.4' o/c	10.3' o/c					1/2 1/2	T,	1	2

- 1. SIDEWALL SPANS BASED ON RIM JOIST(S): (2) 2X8 #2 SPF WITH EACH RIM MEMBER SPLICED WITH 5" X 8" MITEK M20 metal plates each side
- 2. MATING GIRDER SPANS BASED ON RIM JOIST(S): (4) 2X8 #2 SPF WITH EACH RIM MEMBER SPLICED WITH 5" X 8" MITEK M20 metal plates each sid
- 3. FLOOR ONLY- INDICATES LOAD OR ALLOWABLE SPANS UNDER MATING WALL OPENINGS (FLOOR LOAD ONLY).
- 4. EACH ENDWALL SHALL BE ANCHORED TO FOUNDATION FOR SHEAR DUE TO HOR. WIND FOR 4343 Lbs. &. EACH SIDEWALL SHALL BE ANCHORED FOUNDATION FOR SHEAR DUE TO HOR. WIND FOR 3019 Lbs.
- 5. GRAVITY LOADS DO NOT INCLUDE WEIGHT OF FOUNDATION WALLS AND FOOTERS.
- 6. INDICATES UNIFORM LOAD OR ALLOWABLE SPANS UNDER MATING WALLS (FLOOR + ROOF LOADS).
- 7. UPLIFT LOAD AT SIDES OF FIRST FLOOR OPENINGS=(PLF)*OPENING/2
- 8. "Y"- SIDEWALL & MATING WALL IS SUPPORTED BY PIERS. OR "N"-SIDEWALL OR MATING WALL NOT SUPPORTED BY PIERS AT 8" OC. MAX. NOTES TO ALTERNATE FOUNDATION DESIGN PROFFESIONAL:
- THIS PACKAGE CONTAINS A COMPLETE RECOMMENDED FOUNDATION SUPPORT AND ANCHORAGE SYSTEM DESIGNED TO CARRY ALL IMPOSED LOADS ON THE STRUCTURE. ALTERNATIONS TO THESE DIRECTIONS MUST BE PREFORMED BY A LICENSED PROFESSIONAL ENGINEER TO CARRY ALL IMPOSED LOADS IN A MANNOR THAT DOES NOT OVERSTRESS THE HOME STRUCTURE.
- 2. THE LOAD ON THIS PAGE HAS BEEN PREPARED TO COMMUNICATE THE IMPOSED LOAD REQUIREMENTS FOR THE HOME AND IS INTENDED TO BE UTILIZED BY A PROFESSIONAL ENGINEERING IN CONFORMANCE WITH LOCAL BUILDING CODES.
- 3. FOUNDATION LOADS ABOVE REFLECTS THE FOLLOWING:
 - a. ON FRAME CRAWL (perimeter anchored) FOUNDATION DESIGN FOR: 30' 0 " 2-SECTION MODULAR 1 STORY- W.O ATTIC b. 100 MPH EXPOSURE C-enclosed

 - c. 20 PSF, MAX. GROUND SNOW LOAD.
 - d. 40 PSF FL. LL., 7PSF T.C.D.L., 8PSF B.C. D.L., 8PSF FL. DL. 8, 10PSF B.C.L.L MAX. GROUND SNOW LOAD
 - e. SEISMIC DESIGN CATEGORY C SDS=0.49
- 4. ALL DESIGN AND CONSTRUCTION IS SUBJECT TO THE AUTHORITY HAVING JURISDICTION. CONTACT LOCAL BUILDING DEPARTMENT FOR FROST LINE AND SOIL REQUIREMENTS.
- 5. FLOOR OR FOUNDATION WALL MUST BE INSULATED TO MEET A CONDITION SPACE AS REQUIRED BY HVAC DESIGN AS APPROVED BY BUILDING JURISDICTION. FOUNDATION WALL INSULATION SHALL BE PROVIDED AND INSTALLED BY OTHESR ON-SITE.
- 6. ALL FOUNDATION AND SITE WORK TO BE PERFORMED BY A LICENSED PROFESSIONAL CONTRACTOR.
- 7. THIS IS NOT INTENDED FOR CONSTUCTION DESIGN. FOUNDATION MUST BE DESIGNED TO CARRY ALL IMPOSED LOADS INCLUDING BUT NOT LIMITED TO FORCES INDICATED ABOVE FOR SPECIFIC STRUCTURE BY REGISTERED PROFESSIONAL ENGINEER IN ACCORDANCE WITH APPLICABLE BUILDING CODES. 8. PLEASE REFER TO THE PROVIDED FOUNDATION DESIGN PACKAGE FOR ALL FOUNDATION CONSTRUCTION REQUIREMENTS.
- 9. PLEASE CONTACT JOHN WELDY DIRECTOR OF ENGINEERING AT 574.825.7500 FOR ADDITIONAL INFORMATION. PLEASE PROVIDE FILENAME:943K-8.R.K.E.22.2.210(4)

iollowing criter Florida Menutactured Buildin and adopted Codes dumos t adhere to the

126 MPH -One



DESIGNER GUIDE FOR ALTERNATIVE FOUNDATIONS:

UNIT WIDTH: 180 in ROOF PITCH: 6/12 TO 6/12 WIND: 100 MPH EXPOSURE C-enclosed

1 STORY- W.O ATTIC

PLANT #: 943 MODEL NUMBER: EZ-476-1 MAX. STRUCTURE LENGTH:

76 ft.

FLORIDA

Mating wall is a roof load bearing wall; therefore the column supports of all first floor mating wall opening must be supported for the concentrated gravity and uplift loads based on the opening span as provided in table A:

TABLE A: Mating wall column roof loads:

		First Floor	Location	Roof Loads	at 1st floor op	ening per Sr	now load (lbs.)1:	Net	
	Colum ID	Span (ft.)	(Ft)	20 psf			T	Uplif	,
	. 1	8'	36.333'	2146#				400 ;	
	2	8'	44.333	2146#				400 7	
L	3	6.9'	48.333'	1851#				3451	
	4	6.9'	55.166'	1851#				345 1	1
	5	8'	60.1666'	2146#				400 7	-
	6	8'	68.166	2146#				400 7	2
NWNS								_	3
UMNS									i.
									Ar'
징									170
1									
WAL									
3									- 1

adjacent floor and wall loads must be added per table B. In lue of using above load may be derivied by multiplying half mating wall opening span times mating wall at 1st floor ceiling uniform load as specified in table B.

TABLE B: UNIFORM LOAD (PLF) AT FLOOR LINE AT:

	Floor Load	Uniform Load	under wall per Gr	ound Snow (lbs/ft.):	Net Uplift	(lb/ft.)
	Only ³	20 psf			NC	Corner
SIDEWALL AT 1st FLOOR CEILING	360. plf	298.7 plf			85.6 plf	106.9 pff
SIDEWALL AT FLOOR TO SILL:	360. plf	586. plf			. plf	TH I
MAX. SIDEWALL RIM RAIL SPANS (in.)1	60."	68."			1. 153,0155.1	0
MATING WALL AT 1st FLOOR CEILING:	720. plf	536.6 plf			100, plf	100 p
MATING WALL AT FLOOR TO SILL:	720. plf	1118.4 plf			. plf	E P
MAX. MATING RIM RAIL SPANS (in.)2	86.8"	72.5"	1 1 1001		. pii	5
FOOTNOTES:						10

- 1. SIDEWALL SPANS BASED ON RIM JOIST(S): (2) 2X8 #2 SPF WITH EACH RIM MEMBER SPLICED WITH 5" X 8" MITEK M20 metal plates each side
- 2. MATING GIRDER SPANS BASED ON RIM JOIST(S): (4) 2X8 #2 SPF WITH EACH RIM MEMBER SPLICED WITH 5" X 8" MITEK M20 metal plates each side
- 2. MATING GIRDER SPANS BASED ON NIME STATE OF A STATE O
- 6. INDICATES UNIFORM LOAD OR ALLOWABLE SPANS UNDER MATING WALLS (FLOOR + ROOF LOADS).
- 7. UPLIFT LOAD AT SIDES OF FIRST FLOOR OPENINGS=(PLF)*OPENING/2

NOTES TO ALTERNATE FOUNDATION DESIGN PROFFESIONAL:

- THIS PACKAGE CONTAINS A COMPLETE RECOMMENDED FOUNDATION SUPPORT AND ANCHORAGE SYSTEM DESIGNED TO CARRY ALL IMPOSED LOADS ON THE STRUCTURE. ALTERNATIONS TO THESE DIRECTIONS MUST BE PREFORMED BY A LICENSED PROFESSIONAL ENGINEER TO CARRY IMPOSED LOADS IN A MANNOR THAT DOES NOT OVERSTRESS THE HOME STRUCTURE.
- 2. THE LOAD ON THIS PAGE HAS BEEN PREPARED TO COMMUNICATE THE IMPOSED LOAD REQUIREMENTS FOR THE HOME AND IS INTENDED TO UTILIZED BY A PROFESSIONAL ENGINEERING IN CONFORMANCE WITH LOCAL BUILDING CODES.

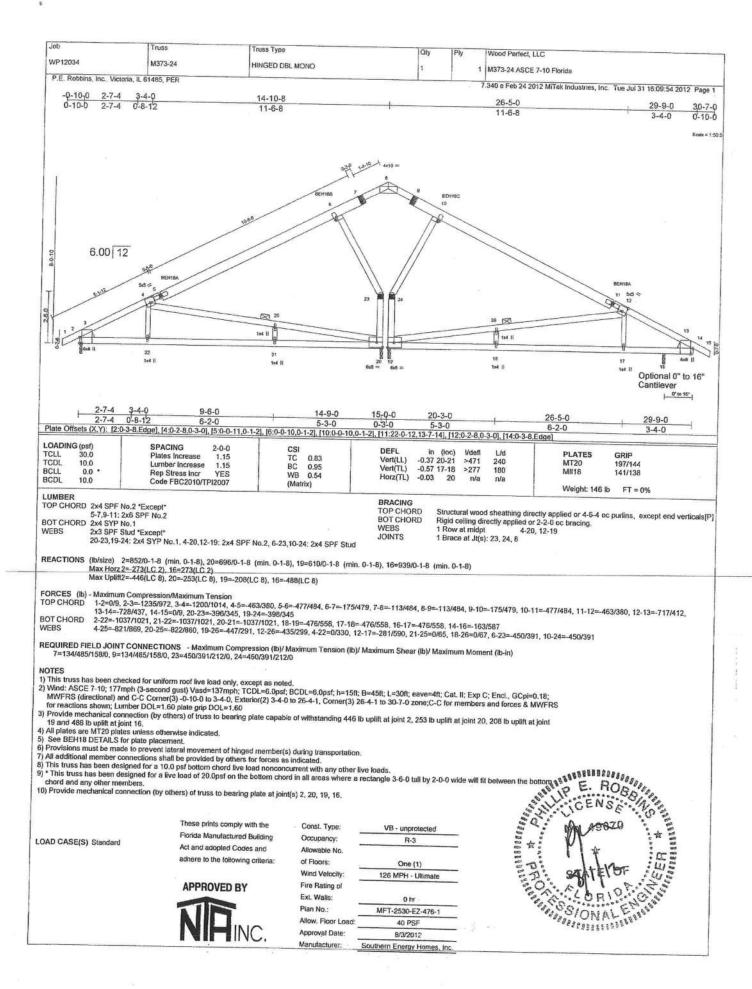
 3. FOUNDATION LOADS ABOVE REFLECTS THE FOLLOWING:

 a. OFF FRAME BASEMENT & CRAWL FOUNDATION DESIGN FOR: 30' 0 "2-SECTION MODULAR 1 STORY- W.O ATTIC
- - a. OFF FRAME BASEMENT & CRAWL FOUNDATION DESIGN FOR: 30' 0 " 2-SECTION MODULAR 1 STORY- W.O ATTIC
 - b. 100 MPH EXPOSURE C-enclosed
 - c. 20 PSF, MAX, GROUND SNOW LOAD.
 - d. 40 PSF FL. LL., 7PSF T.C.D.L., 8PSF B.C. D.L., 8PSF FL. DL. &, 10PSF B.C.L.L MAX. GROUND SNOW LOAD
 - e. SEISMIC DESIGN CATEGORY C SDS=0.49
- 4. ALL DESIGN AND CONSTRUCTION IS SUBJECT TO THE AUTHORITY HAVING JURISDICTION. CONTACT LOCAL BUILDING DEPARTMENT FOR FROST LINE AND SOIL REQUIREMENTS
- 5. FLOOR OR FOUNDATION WALL MUST BE INSULATED TO MEET A CONDITION SPACE AS REQUIRED BY HVAC DESIGN AS APPROVED BY BUILDING JURISDICTION. FOUNDATION WALL INSULATION SHALL BE PROVIDED AND INSTALLED BY OTHESR ON-SITE.
- 6. ALL FOUNDATION AND SITE WORK TO BE PERFORMED BY A LICENSED PROFESSIONAL CONTRACTOR.
- 7. THIS IS NOT INTENDED FOR CONSTUCTION DESIGN. FOUNDATION MUST BE DESIGNED TO CARRY ALL IMPOSED LOADS INCLUDING BUT NOT LIMITED TO FORCES INDICATED ABOVE FOR SPECIFIC STRUCTURE BY REGISTERED PROFESSIONAL ENGINEER IN ACCORDANCE WITH APPLICABLE BUILDING CODES. 8. PLEASE REFER TO THE PROVIDED FOUNDATION DESIGN PACKAGE FOR ALL FOUNDATION CONSTRUCTION REQUIREMENTS.
- 9. PLEASE CONTACT JOHN WELDY DIRECTOR OF ENGINEERING AT 574.825.7500 FOR ADDITIONAL INFORMATION. PLEASE PROVIDE FILENAME:943I-8.R.K.E.22.2.210(_)

ire Rating of Floor

PROVED

and adopted Codes adhere to the following



Job Truss Truss Type Wood Perfect, LLC Qty WP12034 P177-6FL M373-~4 P177-6FL KINGPOST 1 P177-6 Florida 2010 P.E. Robbins, Inc., Victoria, IL 61485, PER 7.340 e Feb 24 2012 MiTek Industries, Inc. Tue Jul 31 17:02:13 2012 Page 1 0-10-0 11-11-0 0-3-0 |---| 6.00 12 2-6-0 Hinge Height 2-2-8 Hinge 8-10-8 to tust if 2-10-0 14-9-0 2-10-0 11-11-0 2-10-0 4-6-8 4-6-8 Plate Offsets (X,Y): [2:0-3-2,0-0-6], [3:0-3-0,0-1-4], [4:0-0-5,0-1-2], [6:0-0-5,0-1-2], [7:0-3-0,0-1-6], [8:0-3-8,Edge] LOADING (psf) SPACING 2-0-0 CSI DEFL Vert(LL) in (loc) -0.26 10-11 -0.40 10-11 PLATES GRIP TC BC WB 0.64 0.94 0.72 TCLL 1.15 1.15 30.0 Plates Increase >670 197/144 141/138 240 MT20 Lumber Increase Vert(TL) 180 n/a >440 MII18 Rep Stress Incr YES Code FBC2010/TPI2007 BCLL 0.0 Horz(TL) 0.03 Weight: 48 lb FT = 0% LUMBER BRACING TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x3 SPF Stud TOP CHORD BOT CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins [P] Rigid ceiling directly applied or 2-2-0 oc bracing WEBS 1 Row at midpt 3-7 WEDGE Left: 2x3 SPF Stud, Right: 2x3 SPF Stud REACTIONS (Ib/size) 2=803/0-1-8 (min. 0-1-8), 8=803/0-1-8 (min. 0-1-8) Max Horz 2=172(LC 8) Max Uplift2=-472(LC 9), 8=-472(LC 9) FORCES (ib) - Maximum Compression/Maximum Tension
TOP CHORD
BOT CHORD
BOT CHORD
WEBS
1-2-0/9, 2-3=-1287/995, 3-4=-437/424, 4-5=-339/444, 5-6=-338/426, 6-7=-427/407, 7-8=-1317/1043, 8-9=0/9
3-11=-781/1073, 10-11=-781/1073, 8-10=-781/1073
3-11=-59/319, 7-10=-47/339, 3-7=-771/750 REQUIRED FIELD JOINT CONNECTIONS - Maximum Compression (lb)/ Maximum Tension (lb)/ Maximum Shear (lb)/ Maximum Moment (lb-in) 1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 177mph (3-second gust) Vasd=137mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) All plates are MT20 plates unless otherwise indicated. All plates are MT20 plates unless otherwise indicated.
 See BEH18 DETAILS for plate placement.
 Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
 All additional member connections shall be provided by others for forces as indicated.
 This truss has been designed for a 10,0 psf bottom chord live load nonconcurrent with any other live loads.
 Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2, 8.
 One RT7 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces. NO POOTO STATE OF STA LOAD CASE(S) Standard These prints comply with the Const. Type: VB - unprotected Florida Manufactured Building Occupancy: R-3 Act and adopted Codes and Allowable No adhere to the following criteria. of Floors: One (1) Wind Velocity: 126 MPH - Ultimate Fire Rating of APPROVED BY Ext. Walls: 0 hr Plan No.: MFT-2530-EZ-476-1 Allow, Floor Load · 40 PSF Approval Date: 8/3/2012

Manufacturer

Southern Energy Homes, Inc.

PRODUCT APPROVAL SPECIFICATION SHEET

Manufacturer: Southern Energy Homes Plan #: MTF-2530-EZ-476-1
As required by Florida Statue 553.842 and Florida Administrative Code 9N-3, the below listed information and the product approval number(s) on these building components reflect those utilized on the manufactured building for which a DCA insignia is sought.

Category	Manufacturer	Product Description	Approval #(s)
EXTERIOR DOORS			
Swing / Patio	Dunbarton		FL15362
WINDOWS	1-49/80 - 11 ₁₉ 4774		
Single Hung	Kinro	9750	FL993.1, FL993.2
PANEL WALL		Paragraphic Company	0.5 1865, 0.755, 0.5
Lap Siding	James Hardie	Cemplank	FL-13192
Soffit	James Hardie	Hardie Soffit/Cem Soffit	FL13265.1
ROOFING PRODUCT	SEATS THE SE		And the Francisco Section
Shingles	Owens Corning	Classic	FL10674
Shingles	Certain Teed	Asphalt Shingle	FL5444
Underlayment	Tamko	15 UL (No. 15 Type 1 Asphalt Felt)	FL12328
Asphalt Cement	Tamko	Tam-Pro 856 Premium SBS Adhesive	FL1960.1
Asphalt Cement	Tamko	Tam-Pro Q-20 Premium SBS Flash	FL1960.1
SHUTTERS	And Mark Style	CASSON CONTRACTOR	2000年度1584年から
N/A			
SKYLIGHT	不得 化一种原料 化		
N/A			
STRUCTURAL COMPONENTS		and the second second	
Truss Plates (16, 18 & 20ga)	MiTek		FL2197-R3
		LSTA18, CS22, CS16,	
Uplift Strap	SimpsonStrongTie	CS14	FL10852
Uplift Strap	SimpsonStrongTie	LTS18, HTS16	FL10456
NEW EXTERIOR		Florida Manufactured Building Occupancy	Ps unproteorio
ENVELOPE PRODUCTS		Act and adopted Codes and Allowable No.	One (I)
N/A		APPROVED BY Fire Rating of	126 MPH - Ultimate
		Pian No.:	MFT-2530-EZ-476-:
	1	Allow, Floor Lo Approval Date Manufacturer:	ad: 40 PSF 7/18/2012 Southern Energy Homes, Inc.

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector at the manufacturing plant: (1) Copy of product approval from the Local or State Building Commission, or supply all of the information listed on Form No. 9B-72.130(5). (2) Copy of the applicable manufacturer's installation requirements.

understand these products may have to b nspection.	e removed if approval canno	t be demonst	rated during
	These prints comply with the	Const. Type:	VB - unprotected
	Florida Manufactured Building	Occupancy:	VB - unprotected
	Florida Manufactured Building Act and adopted Codes and	Occupancy: Allowable No.	The second secon
	Florida Manufactured Building	Occupancy: Allowable No. of Floors:	R-3 One (1)
-	Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:	Occupancy: Allowable No. of Floors: Wind Velocity:	R-3
-	Florida Manufactured Building Act and adopted Codes and	Occupancy: Allowable No. of Floors: Wind Velocity: Fire Rating of	One (1) 126 MPH - Ultimate
	Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:	Occupancy: Allowable No. of Floors: Wind Velocity: Fire Rating of Ext. Walls.	One (1) 126 MPH - Ultimate U hr
	Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:	Allowable No. of Floors: Wind Velocity: Fire Rating of Ext. Walls. Plan No.	One (1) 126 MPH - Ultimate U nr MFT-2530-EZ-476-1
	Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:	Occupancy: Allowable No. of Floors: Wind Velocity: Fire Rating of Ext. Walls.	One (1) 126 MPH - Ultimate U hr

Manufacturer's Authorized Agent Signature

Steven Phillips

7-10-12

Printed Name

Date

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: EZ-476-1 Street: City, State, Zip: Lake City, FL, Owner: Design Location: FL, Jacksonville		Builder Name: Permit Office: Permit Number: Jurisdiction:	
New construction or existing Single family or multiple family Number of units, if multiple family Number of Bedrooms Is this a worst case? Conditioned floor area above grade (ft²) Conditioned floor area below grade (ft²) Windows(254.9 sqft.)	New (From Plans) Single-family 1 3 No 1928 0 Area	9. Wall Types (1626.0 sqft.) a. Frame - Wood, Exterior b. N/A c. N/A d. N/A 10. Ceiling Types (1928.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A 11. Ducts a. Sup: Attic, Ret: Attic, AH: Rooms!	Insulation Area R=17.2 1626.00 ft² R= ft² R= ft² R= ft² Insulation Area R=38.0 1928.00 ft² R= ft² R= ft² R= ft²
		12. Cooling systems a. Central Unit 13. Heating systems a. Electric Heat Pump 14. Hot water systems a. Electric b. Conservation features None 15. Credits	kBtu/hr Efficiency 24.1 SEER:13.00 kBtu/hr Efficiency 23.1 HSPF:7.70 Cap: 40 gallons EF: 0.970
Glass/Floor Area: 0.132	Total Proposed Modified Total Standard Reference		PASS
I hereby certify that the plans and specific this calculation are in compliance with the Code. PREPARED BY: DATE: I hereby certify that this building, as design with the Florida Energy Code. OWNER/AGENT: DATE:	ned, is in compliance	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: 8 3-2016	
 Compliance requires certification qualifies as certified factory-seale Compliance requires completion 	ed in accordance with 4	03.2.2.1.1.	

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria: Const. Type: VB - unprotected Occupancy: R-3 Allowable No. of Floors: One (1) Wind Velocity: 126 MPH - Ultimate Fire Rating of

APPROVED BY



Allow. Floor Load: 40 PSF

Approval Date: 7/18/2012 Manufacturer: Southern Energy Homes. Inc. Page 1 of 5

				PROJEC	T				et seem (iii		
Title: Building Type Owner: # of Units: Builder Name Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	1	ns)	Bedrooms: Conditione Total Storie Worst Cas Rotate Ang Cross Veni Whole Hou	d Area: 19 es: 1 e: No ple: 0 tilation:	028		Address T Lot # Block/Sut PlatBook: Street: County: City, State	Division:	Lot Info Columb Lake Ci FL ,	ia	
of Piper Letters convenient with the				CLIMATI	Ē					Manage of the San	************
	sign Location	TMY Site	IEC Zor	ne 97.5		Winter		Heating Degree Da	ys Mo	isture	aily Temp Range
FL	, Jacksonville	FL_JACKSONVILL	_E_INT :	2 32	93	70	75	1281	-	49	Medium
				BLOCKS	3						
Number	Name	Area	Volume								
. 1	Block1	1928	17352								
				SPACES	1						
Number	Name	Area	Volume F	Citchen O	ccupants	Bedrooms	s Infil IC) Finish	ed	Cooled	Heat
1	RoomsinBlock1	1928	17352	Yes	3	3	1	Yes		Yes	Yes
				FLOORS	3						
V #	Floor Type	Space	Expos	ed PerWall In	s. R-Value	Area	Floor Joist	R-Value	Tile	Wood	Carpet
1 Ci	rawlspace	Roomsi	nBlock1 1 f	t	0	1928 ft²	19		0	0	1
	** 30-12/16/17 ************************************			ROOF							
V #	Туре	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt		
1	Gable or shed	Composition shing	les 2088 ft²	402 ft²	Medium	0.96	No	0.9	No	0	22.6
-				ATTIC	-						
√ #	Туре	Ventila	ation	Vent Ratio (1 in)	Area	RBS	IRCC	-		
1	Full attic	Vent		300		1928 ft²	N	N			
				CEILING				***************************************		-	
V #	Celling Type		Space	R-Value		rea	Framing	Frac	Т	russ Typ	oe .
V											

Act and adopted Codes and adhere to the following criteria:

Allowable No. of Floors: Wind Velocity: Fire Rating of Ext. Walls:

Plan No.:

Approval Date:

Manufacturer:

One (1) 126 MPH - Ultimate 0 hr .MFT-2530-EZ-476-1 40 PSF Allow: Floor Load 7/18/2012 Southern Energy Homes, Inc.

APPROVED BY



		101404 1111					W	ALLS			*				
/	#_0)rnt	Adjac To		Туре	Space	Cavity R-Value	Wid Et	ith _in	Height Et In	Area	Sheathing R-Value	g Framing Fraction	Solar Absor	Belov Grade
	_ 1	N	Exterio	r Fra	me - Wood	RoomsinB	loc 17.2	60	4	9 0	543 ft²	7.2.40100	0.23	0.75	_Graue)
	_ 2	S	Exterio	r Fra	me - Wood	RoomsInB	loc 17.2	60	4	9 0	543 ft ²		0.23	0.75	
	_ 3	E	Exterio	r Fra	me - Wood	RoomsInB	loc 17.2	30	0	9 0	270 ft ²		0.23	0.75	C
	4	W	Exterio	r Fra	me - Wood	RoomsInB	loc 17.2	30	0	9 0	270 ft²		0.23	0.75	(
							DC	ORS							
\checkmark		#	Orr	nt	Door Type	Space			Storms	U-Va		Width et In	Heigh Ft	nt In	Area
		1	S=>	E	Insulated	RoomsinBloo	C		None	0.460	Malagrana - 7	3 0	6		20 ft ²
		2	E=>	N	Insulated	RoomsInBloo	C		None	0.460		3 0	6		20 ft²
		3	N=>	W	Insulated	RoomsInBloo	3		None	0.460		3 0	6	50 6	20 ft²
						Prientation show	WIN	DOWS							Сонистинорал
1		The second	Wall	mett dalam se		mentation shot	WIT IS THE E	mered, r	Toposed	orientatio	No. of the last of		allies at a file		
V	#	Om		Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Depth	erhang Separation	Int Sha	ahe (Screenir
	1	N=>1	N 1	Vinyl	Low-E Double	Yes	0.37	0.28	N		1 1 ft 0 in	0 ft 0 in	HERS 2		None
	2	N=>\	V 1	Vinyl	Low-E Double	Yes	0.37	0.28	N		5 1 ft 0 in		HERS 2		None
	3	W=>	S 4	Vinyl	Low-E Double	Yes	0.37	0.28	N		5 1 ft 0 in	0 ft 0 in	HERS 2		None
	4	S=>{	2	Vinyl	Low-E Double	Yes	0.37	0.28	N	63.3680	5 1 ft 0 in	0 ft 0 in	HERS 2		None
	5	E=>1	V 3	Vinyl	Low-E Double	Yes	0.37	0.28	N		5 1 ft 0 in	0 ft 0 in	HERS 2		None
	6	E=>1	V 3	Vinyl	Low-E Double	Yes	0.37	0.28	N	12.6736	1 1 ft 0 in	0 ft 0 in	HERS 2		None
	7	N=>V	V 1	Vinyl	Low-E Double	Yes	0.37	0.28	N		5 1 ft 0 in	Oft Oin	HERS 2		None
				Reversion and the			INFILT	RATIO	N				***************************************		-
	Scop	Э	N	Method		SLA C	FM 50	ELA	E	qLA	ACH	ACH	H 50		MC Table Common
Ву	/Spac	es	Prop	osed-SL	٥.0	00360 1	820.5	99.947	18	7.96	0.2771	6.29	952		
			-		-	ŀ	EATING	SYST	EM		La Company		and the second	-	
V	#		stem T			ubtype			Efficiency	y -	Capacity		E	Block	Ducts
	1	Ele	ectric H	leat Pun	np N	one		ŀ	HSPF: 7.	7 23	.1 kBtu/hr			1	sys#1
				***		C	OOLING	SYST	ΓEΜ						and the second second
V	#	Sy	stem T	уре	Sı	ubtype		Е	fficiency	Capac	ity A	ir Flow S	HR E	Block	Ducts
	1	Ce	ntral U	nit	Ni	one		•	FFD 40	24.1 kBi	errane real	0 cfm 0.	75	1	sys#1

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY



Const. Type:	VB - unprotected
Occupancy:	R-3
Allowable No.	6.0.000,000,000
of Floors:	One (1)
Wind Velocity:	126 MPH - Ultimate
Fire Rating of	
Ext. Walls:	0 nr
Pian No.:	MFT-2530-EZ-476-1
Allow, Floor Load:	40 PSF
Approval Date:	7/18/2012
Manufacturer:	Southern Energy Homes. Inc.

					HOT V	VATER S	YSTEM		*					
V	#	System Type	SubType	Locat	tion EF	С	ар	Use	SetPnt		Co	onservatio	n	-
	1	Electric	None	Room	nsInBlock 0.9	7 40	gal	60 gal	120 deg			None		
				,	SOLAR HO	T WATE	R SYST	EM						The Property of
$\sqrt{}$	FSEC								A STATE OF THE STA	llector	Sto	rage	Teleproper of	and the same
	Cert #	Company Na	ame		Systen	n Model#	(Collector Mod	lel# /	Area	Vol	ume	FEF	
	None	None								ft²			//Jeses=15	
			344-1-12	1000		DUCTS								2,000
\checkmark	#	Supp	oly Value Area	Loca	Return —	Leaka	ge Type	Air	er CFM 25	Percent		DIE		AC#
	1	Attic	6 385.6				=0.88		nBI 0.0 cfm	0.00 %		RLF 0 0.60	Heat	Coo
Additional						IPERATU	-	Rooman	ndi v.v cim	0.00 %	0.0	0.60	1	1
Program	able Therr	mostat: Y			Ceiling Far	ns:	************	waya wa a sana a sa						-
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	[X] May IX] May IX] May	X Jun X Jun X Jun	[X] Jul [X] Jul [X] Jul	X Aug X Aug X Aug	[X] Sep [X] Sep [X] Sep	XX S	Oct Oct Oct	[X] Nov [X] Nov [X] Nov	XXX	Dec Dec Dec
Thermosta		: HERS 2006	6 Reference				F	lours						
Schedule 1	Гуре		1	2	3 4	5	6	7	8	9	10	11	1	12
Cooling (W	(D)	AM PM	78 80	78 80	78 78 78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	87	30
Cooling (W	/EH)	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	'8 '8
Heating (W	(D)	AM PM	66 68	66 68	66 66 68 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	18 16
Heating (W	EH)	AM PM	66 68		66 68 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	86

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY



VB - unprotected Const. Type: Occupancy: R-3 Allowable No. of Floors: One (1) 126 MPH - Ultimate Wind Velocity: Fire Rating of Ext. Walls: 0 hr Plan No.: MFT-2530-EZ-476-1 40 PSF Approval Date: 7/18/2012 Manufacturer: Southern Energy Homes, Inc. FORM 405-10

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

Control of the Contro	-	The state of the s	
ADDRESS:		PERMIT #:	
Lake City, FL,	1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m	20 PAGE 100 PAGE 100	
		The state of the s	The second second

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.					
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 property of the company: or more stages. Act and adopted Codes and Allowable No.							
eilings/knee walls		aghere to the following criteria: of Floors:	One (1)				



Vind Velocity:	126 MPH - Unimate
ire Rating of	Name and Address of the Owner, where the Owner, which the
ext. Walls:	0 hr
Plan No.:	MFT-2530-EZ-476-1
Allow. Floor Load:	40 PSF
Approval Date:	7/18/2012
Aanufacturer:	Southern Energy Homes, Inc.
	Page 5 of 5

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 73

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

, Lake City, FL,

1	. New construction or e	xisting	New	(From I	Plans)	Wall Types	Insulation	Area	а
2	 Single family or multip 	le family	Sing	le-family	y	a. Frame - Wood, Exterior	R=17.2	1626.00	W. 28 ()
3	. Number of units, if mu	Itiple family	1			b. N/A c. N/A	R=		ft ²
4	. Number of Bedrooms	11 115	3			d. N/A	R=		ft ²
	. Is this a worst case?		No			10. Ceiling Types a. Under Attic (Vented)	Insulation R=38.0	Area	
6	. Conditioned floor area	(ft ²)	1928	3		b. N/A	R=	1920.00	ft ²
7	. Windows**	Descript	ion	Are	92	c. N/A	R=		ft ²
	a. U-Factor: - SHGC:	Dbl, U=0 SHGC=0).37		91 ft ²	 Ducts Sup: Attic, Ret: Attic, AH: Ro 	omsInBlock1	R 6 38	ft² 35.6
	b. U-Factor:	N/A		3	ft ²				
	SHGC: c. U-Factor:	N/A			ft²	Cooling systemsCentral Unit	kBtu/hr 24.1 5	Efficien	
	SHGC: d. U-Factor: SHGC: Area Weighted Averag Area Weighted Averag		Depth:	1.00	ft²	13. Heating systems a. Electric Heat Pump	kBtu/hr 23.1	Efficiend	
R	Floor Types		la sodatio	000000	1770	14. Hot water systems			
u.	a. Crawispace These prints comply wi b. N/A Florida Manufactured E c. N/A _{Act and adopted Codes}	kullding	Insulation R=19.0 Const. Type: Occupancy:	1928.0 VB - u		a. Electric b. Conservation features	Сар	: 40 gallo EF: 0.	
	adhere to the following		Allowable No. of Floors: Wind Velocity:		ne (1) H - Ultimate	None 15. Credits		Ps	stat
	APPROVED BY		Fire Rating of Ext. Walls: Plan No.:	MFT-253	0 hr 30-EZ-476-1				
Cor n th	nstruction through the	e above al inspect	energy savin	a featil	W2042 which	fficiency Code for Building will be installed (or exceeded) splay Card will be completed	Or The state of th	AE STAT	OF ELO
3uil	der Signature:					Date:	GRE	*	
Add	ress of New Home:					City/FL Zip:		**	
							COD	WETR	SESSION

*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.

THE RESERVE THE PROPERTY OF TH		GROUND	SNOW LC	GROUND SNOW LOAD (PSF)	DOOV
BEAM CONFIGURATION	20. PSF	30. PSF	40. PSF	50. PSF	199
(1) 1.5x5.5 LAM beam (see chart) LAM	8 ft 3 in	7 ft 2 in	6 ft 6 in	6 to in	I
(1) 1.5x7.25 LAM beam (see charl) LAM	10 ft 7 in	9 ft 4 in	8 ft 7 in	8 ft 0 in	Τ
(1) 1.5x9.25 LAM beam (see chart) LAM	13 ft 3 in	11 ft 8 in	10 ft 9 in	9ft 8 in	
(1) 1.5x12 LAM beam (see chart) LAM	16#9in	14 ft 9 in	13 ft 7 in	12ft 3in	Τ
(1) 1.5x16 LAM beam (see chart) LAM	21 ft 11 in		19 ft 4 in 17 ft 10 in	16 ft 1 in	T
(1) 1.5x20 LAM beam (see chart) LAM	27 ft 0 in	23 ft 10 in 21 ft 11 in	21 ft 11 in	19 ft 9 in	
(1) 1.5x24 LAM beam (see chart) LAM	32 ft 1 in	28 ft 3 in	26 ft 0 in	23 ft 5 in	
(1) 2×6 #3 SPF	3f8in	3ft3in	3 ft 2 in	2ft8in	-
(1) 2×8 #3 SPF	4ft8in	4 ft 2 in	4 # 0 in	3 ft 5 in	
(1) 2×10 #3 SPF	5ft 9 in	5#1in	4 ft 11 in	4 ft 2 in	T
(1) 2×12 #3 SPF	6 ft 8 in	5#11 in	5 ft 8 in	4 ft 11 in	T
(1) 2×6 #2 SPF	4ft 11 in	4 ft 4 in	4 ft 2 in	3ft 7 in	W.
(1) 2×8 #2 SPF	6ft 3 in	5#6in	5ft 4 in	4ft7in	I
(1) 2×10 #2 SPF	7#8in	6 ft 9 in	6 ft 6 in	5#7in	m T
(1) 2×12 #2 SPF	8 ft 10 in	7 ft 10 in	7 ft 7 in	6ft6in	
Trans ainte entrite sall IRe		Const. Type	p-gA	nprotebled	
Status Manuactured Besides		Ochupancy:	-	R-3	<i>)</i>
Act and adopted Codes and		Allowable No.			;×.
adhere to the following criteria	181	of Floors:	Ö	Que (1)	T
	1	Wind Velocity	126 MP	126 MPH - Ultimate	7
ABBROAKED BY	ď.	Fire Rating of			
יייייייייייייייייייייייייייייייייייייי	â	Ext. Walls:		0 hr	Γ
	100	Plan No:	MET.28	MET. 2\$30. FZ-476-1	-
	Als	Alow, Floor Load:	4	10 PSF	
2 1 2	(Approval Date:	1	+	
)	danuractorer	Southern Ea	nergy-Homes, Inc.	T

ROVED LAM BEAMS- WHEN USING RADE LAM BEAM (SEE CHART)

Murphy 2.0E 3100 Fb LVL 2.0e Microllam LVL

2.0 MasterPlank

GENERAL NOTES:

7 180" MAX, UNIT.

2 WIND SPEED: 130 MPH MAX.

3 MIN. DEPTH AT CRITCAL SECTION IS MEASURED AT INSIDE FACE OF EXTERIOR WALL.

4 THIS DETAIL IS APPLICABLE TO ONLY LVL BEAMS WITH AN FV=135 PSI OR BETTER.

6 SEE COLUMN DESIGNS FOR MINIMUM BEARING LENGTH OR BEAM STIFFENER REQUIREMENTS. 5 RIDGE BEAM MUST BE IN FULL WOOD TO WOOD CONTACT WITH TOP PLATE FOR SPECIFIED BEARING LENGTH.

7 (F); INDICATES THAT BEAM MEMBERS ARE LAYED FLAT, OTHER-WISE ALL BEAMS ARE ON EDGE

8 DESIGN IN ACCORDANCE WITH THE IRC (2006)

9 DOUGLE BEAMS MAY BE 8 TACKED VERSES DOUBLE PLY IF MEMBERS ARE SAME SIZE AND MATERIAL AND REQUIRED FASTENERS ARE EQUALLY DIVIDED BETWEEN BEAMS.

MAXIMUM LIVE AND DEAD LOADS:

BOTTOM CHORD LIVE LOAD: 10 PSF BOTTOM CHORD DEAD: 8 PSF TOP CHORD DEAD: 7 PSF FLOOR LIVE LOAD: 0 PSF

BEAMS SUPPORT SECOND FLOOR LIVING AREA

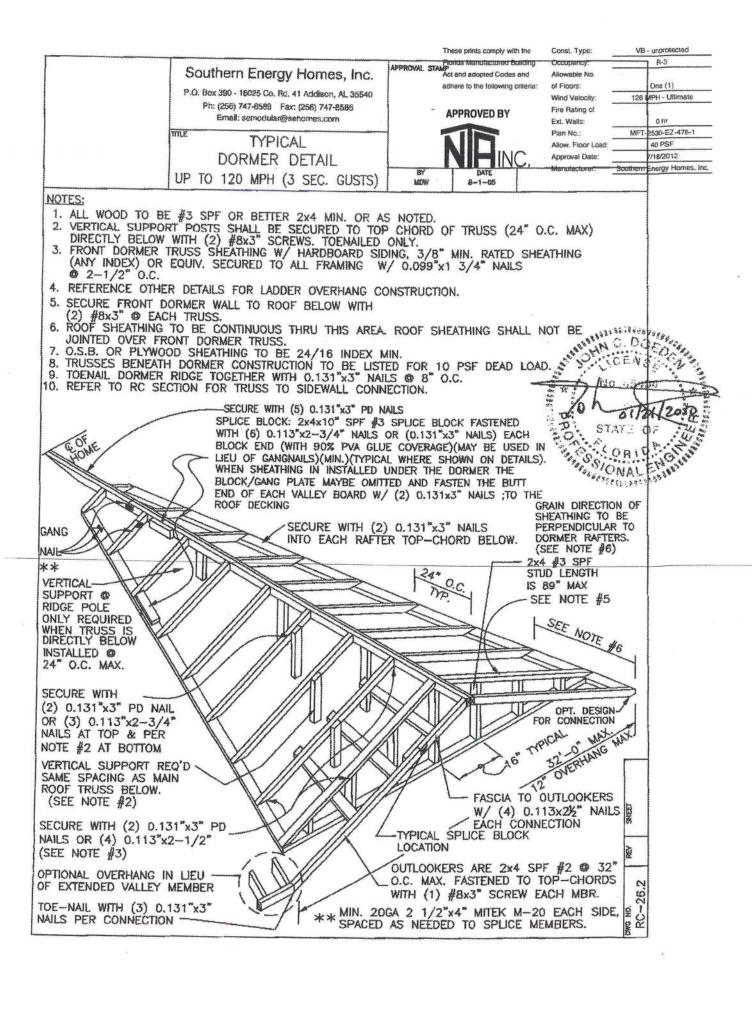
1 STORY- W.O ATTIC calc. ref. CRC-60.3.R.K.K. 20-2.20 CMH Engineering

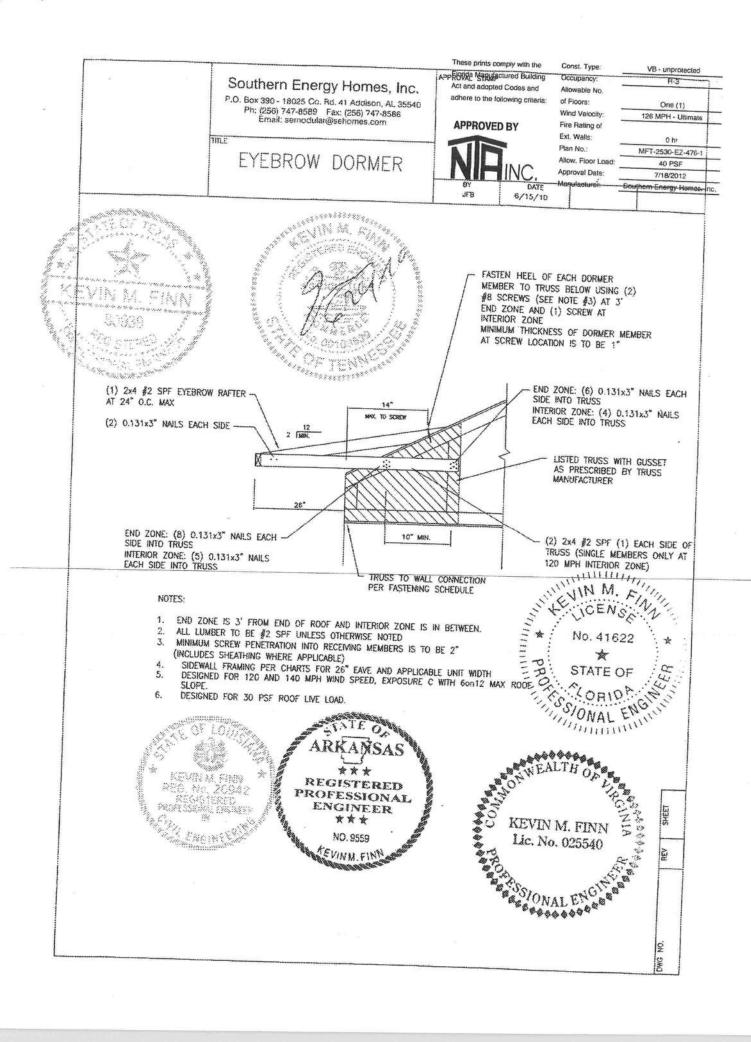
Ver. 6.1 RIDGE BEAM SPAN CHART Date: 01/19/10 Drawn by: jww

APPROVAL #:

RC-60.3.R.K.K .20-2

MEMBER QTY) FULL BEAM DEPTH 20, PSF 30, PSF 40, PSF 50, PSF MINIMUM RIDGEBEAM DEPTH AT CRITICAL SECTION OF TAPERED RIDGEBEAM 4.51" 17.13" 7.18" 11.8" 14.49" 5.99" 90.6 13.84" 4.19" 11.27" 16.37" 5.52" 6.85" 8.65" 10.12" 12.44" 3.82" 14.71" 4.94" 6.15" 7.77" (1) 1.5x24 LAM beam (see chart) LAM 13.22" 3,45" 4.44" 5.52" 6.98" 11.18" 9.1 1) 1.5x5.5 LAM beam (see chart) LAM 1) 1.5x7.25 LAM beam (see chart) LAM (1) 1.5x9.25 LAM beam (see chart) LAM 1) 1.5x12 LAM beam (see chart) LAM 1) 1.5x16 LAM beam (see chart) LAM 1) 1.5x20 LAM beam (see chart) LAM





	rida Manufactured Building	Occupancy:	R-3			
	and adopted Codes and lere to the following criteria:	Allowable No. of Floors:	One (1)	1	2	\neg
		Wind Velocity:	126 MPH - Ultimate	PAGE	of <u>3</u>	•
JOHN C. DOEDEN	PPROVED BY	Fire Rating of Ext. Walls:	0 hr	1		
JOHN C. DOLDEN	10500	Plan No.:	MFT-2530-EZ-476-1	17/2010 AI	=\/	***
15133 County Road 22, Go	11 46528	Allow, Floor Load: Approval Date:	4 0 角子 E: V V 7/18/2012	i f f	_ V	-
	THE THE	Manufacturer:	Southern Energy Homes. Inc.		1320	
CALCULATION FOR .S.E	HOMES			JOHN M.		
	2	<u></u>	1417		n 1 V	
SUBJECT: EYER	SOW EAVI			18 10 11/4	\mathcal{H}^{\vee}	1
101		~ 7	ž	MATTER		1
REFERENCE: 180	* AS	CE /		7.6	as i i	
		hand the constitution of t	ង្ <i>បា</i>	1/ /omnum	2 2 6 5V-	
,				U.	TO SIP	
		1212 10 11 1	# 8 SCREW	C TH	111 2 62 W	Disc
EYEBROW DORMER MEMBERS			1		48.84.0 gc	-
2x4 #2 SPF MN. @ 24° D.C. MA	x. 7			0.43012		
	_ \	MAX TO SOR	EN /			1
	2 1300	,				
	1.7				TRUSS WITH GUSSET SCRIBED BY TRUSS	4
04		1 200	mi	MANUTA	CTURER!!	
0.131 ×3"NAIG	1	SXX		NIV	M. F. 11/2	-
	26.	XIX	77777	2,45,10	ENSTA	.
		7777	77777	3 + / N=		= 1
		1	O"MIN	= 7 : No.	41622	Ξ.1
1		\ 1	UMIN	E DE CTA	Tri 0 - 10-	=
1) UPLIFT @ 140	with	TRUSS	TO WALL CONNECTION	= 0 . SIA	TE OF	= .
	r far reen	PER FA	ASTENING SCHEDULE	1,6000	BIDE P	
BAVE LOA	05 @ 10	TRIE	3. 111	- IN CON	AL ANGLI	. [
FROM AS			-2 7 VIL.	-11010	1.23	
T CONT PS	ize 1.03	100		= 199.3	PSF 1	1
			INT	= 65.71	(35) = 88:	700
D. L. IS	NEGLIGIE	\$15				149
en action	AD C EN	E FPAN	AE = 2 x 14	9.3 = 29	18.6 MA	1
Zamara ay ay ay ay ay ay man ay ay ay ay ay ay ay ay ay	W 6 .C.	2 4 to 16	INT = 2×8	287 - 170	184.	. 1
KEVIN M. FINN	FED				·4 LALA	-
**	5	0 - 1	198.6 (39)=	498*		-
	AG*	. K =		498 -	C. h	. 1
		Ast ·	MIN. 10 =	82 VI.6 3	,8"	
_ I	- 6 10°	N		Se /21 #	XX4"PE	NDS
7.5			177.4 (41)=	291 1		
		1 1 L	A A	CIDAGGO	PIN SEE A	-
		TATE	0 P = 2	· Santa	(I) A MA T	
a) NAIL CO	NH STE	MAHAN	898 > 29	35.34	G WA	1
6	0 00 1	1 2 444	110 4 4	O	7.8	
L.	K = 88-11	HEGISTE	RED N.	S = KEVINGA	lewing 5	
KEVIN II. PINN		ROFESSIC	NAL	Lig No.	140 341 3mg	4
- KEVINAL FINN - KEG No 20342 - KEG No 20342		***	K	afo.	N. S. S.	1
t tig georgeologicitioner	/	NO.9559		To the same	CITY	
	·	FUNM.FIN	N N	SSIONA SSONA	T EL	
	2.421	4680 B. B. B. B. B.	·		0 a.	
	- Children and the Control of the Co	- LANGE CO. AND CO.		- Charles - Constitution		Security.

	Act and adopted Codes and adhere to the following criteria:	Allowable No. of Floors:	One (1)			
JOHN C. DOEDEN , P 15133 County Road 22, Gos		Wind Velocity: Fire Rating of Ext. Walls: Plan No.: Allow, Floor Load: Approval Date: Manufactures:	0 hr FMFT-2530-EZ-476-1 40 PSF DAM 220 A Southern Energy Hornes.	2/2010 RE		
_	.E. Homes BROW	2009/07/00/00/00/00/00/00/00/00/00/00/00/00/	and the same of th			rg
	TRC 2A	SCE 7		196%	24/	, , , , , , , , , , , , , , , , , , ,
3) Loto e	R' = 4	98 (40)	6 = T99°			
	No. NAICS :	12	1 - 1 - 1	2 => 1		
4) HORZ	CEND: CINT = 2×4 STROS	1187 - 9 563	w/ (8) MAILS	EACH	
	- BENDING (2) No.	25-P.F.	-> F65x = 8	(498) = 15(i.s)(i.b 1,780 %	(415)(2	×3.06
	- SHEAR	-> 49 fv =	$8/2 = 24$ $\frac{249}{3.5} = 7$	9 h 1-psi-K	135(1.4	.)
	- CEVA	Δ = .	3EI 249 (30)	2) × 0.7 2(40) 06)(5.36		
5) CONNECTION	ne bivot		ALLOW =	20/180	600-61	21
R	= 30 (49)	00000	194 ° EN		2 NAIL	_ 1
ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 9559	Lic. No	M. FINN 0. 025540		No. 41	6	5
EVINM. FINH		6466		SIONAL	ENSTIT	

These prints comply with the

Florida Manufactured Building Occupancy:

Const. Type:

VB - unprotected

R-3

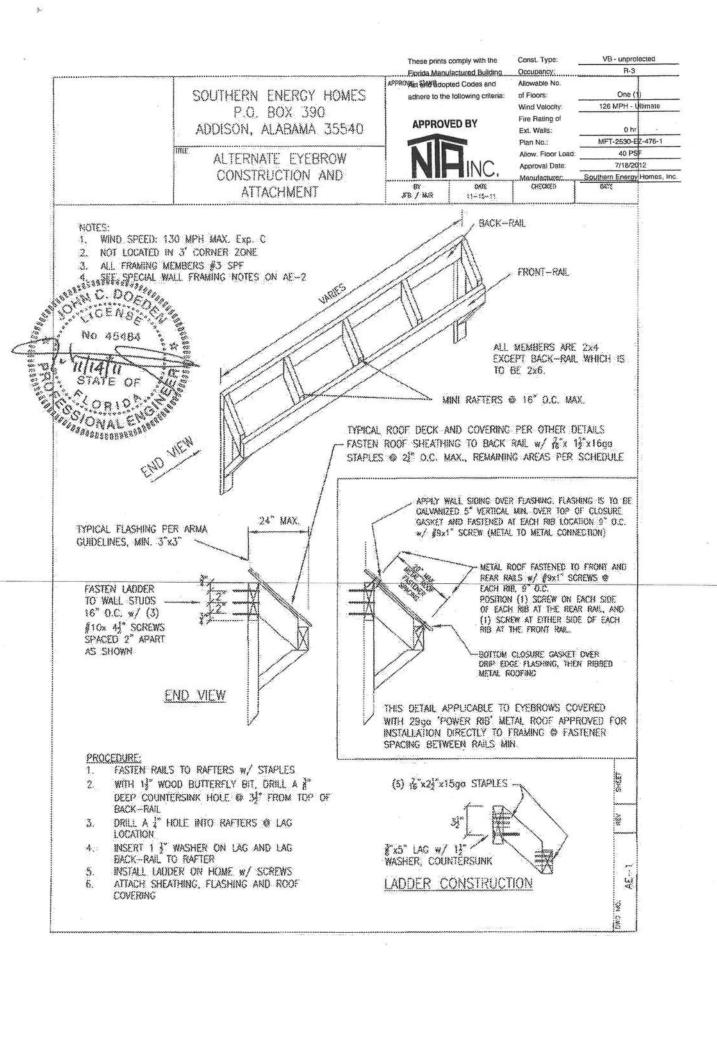
	Florida Manufactured B	uilding Occurred	VB - unprotected	
	Act and adopted Codes adhere to the following of	and Alleumba	R-3	
	to the rollowing (One (1)	
	APPROVED BY	Fire Rating of	26 MPH - Ultimate	E_3 of 3
IOHNIC I	DOEDEN THE	Ext. Walls:	O hr	01
		Plan No.: M Allow, Floor Load:	FT-2530-EZ-476-1	
15133 Count	y Road 22, Go. har. NV6	528 Approval Date:	40 PSF 06/17/2	b(3 pev
			rn Energy Homes. Inc.	HEV
	1-11			AFERNAL STA
CALCULATION	IFOR S.E. Home	- 5		
CUDIECE	CHARRY			
SUBJECT:	EYERROW		Challenge	116-118
REFERENCE:			* *	177054
nerenence.				

		* * * * * * * * * * * * * * * * * * * *		
6)	SINGLE RAFTE	YE MEMALI	8	
		11/2		
	- BENDING	M= 22.	298.4/12 (40) - 1072 4
300 C 5 N		8	8	= 47/3 In-2
4 \	No.2	SPE 2XAI	(= one/12)	(1.6)(1.15)(3.06)
/ */ // // · · · ·			=73901	n. + (0x)
\$****************	TO TENK T	- = 298.4. (4	0)	
3. NC 1944 (4): F1	NN	24 (3.5	5 142 FS	1 < 135 (1.6) (P)
A Managara			· /	
1	- DEGL. A	= 5WL4	5 (24.9 xo.) (an)4
	//	384 ET -		
			389(11.7)	06)(3,36)
1				=4/517
7)	120 mph W/ SI	GIE HOIZ	2 MEMBER	,
************	0 ,		103	(6m)
** ** ****	INT. ZONE		122 = 0.735	
	- RENDING	N/ - 2-7		
	· · · · · · · · · · · · · · · · · · ·	M = 30(476-X0-135	=6524 in-4
* * * = v = · = · · · · · · · ·	7×4-No.7	A65.08	16/15/16/16	(3.06)=7390 P
	SPE	-6 12x - 01	7 (113) (110) (111)	10:06)
	-SHEME	NEALTH OF		
25885	TE	ENEALTH OAS		(4441441)
ADI	ANSAS	or V	B	IN M. ELL
7.40			14	CENS
	***	KEVIN M. FINN		
PROFE	STERED SSIONAL	Lic. No. 025540	P	No. 41622
. ENG	INEER .	Edit. 1911. (Valability)	A - D:	**************************************
***	**	SSIONAL ENGINE	P	STATE OF THE STATE OF
NO	9559	Sec. 17		LORIOF S
*EVIN	M. FINN	ONAL EN	- The Contraction of the Contrac	DAGE ENG
102801		P\$\$\$\$\$\$	SECOL LOUPS 44,	ONAL ENC
There were serviced		J. 60		
	1 111			
			Tevru englik Estimotoria	
8				
			. 245455 A.J	
		······································		

These prints comply with the

Const. Type:

19



These prints comply with the Const. Type: VB - unprotected Florida Manufactured Building Occupancy: R-3 Act and adopted Codes and PROVAL STAMP adhere to the following criteria: Allowable No of Floors: One (1) SOUTHERN ENERGY HOMES Wind Velocity: 126 MPH - Ultir P.O. BOX 390 Fire Rating of APPROVED BY Ext. Walls: ADDISON, ALABAMA 35540 0 hr Pian No.: MFT-2530-EZ-476-1 Allow. Floor Load 40 PSF ALTERNATE EYEBROW Approval Date: 7/18/2012 CONSTRUCTION AND Manufacturer: Southern Energy Homes, Inc. CHECKED DATE DATE ATTACHMENT RED / MAIR 11-15-11 WIND SPEED: 130 MPH MAX. Exp. C WITH AN ATTACHED EYEBROW OVERHANG, MAX. 24" PROJECTION EYEBROW NOT LOCATED IN 3' CORNER ZONE OPENING STUD CONNECTION PER STANDARD FASTENING SCHEDULE AND FRAMING CHARTS PLUS (1) ADDITIONAL FASTENER & TOP PLATE. WALL FRAMING TO WHICH THE ALTERNATE EYEBROW & TO CONNECT IS CONSTRUCTED PER OTHER DETAILS, EXCEPT AS ROTED, AND MAY BE APPLIED TO SDEWALL OR ENDWALL.
WALL STUDS AND CRIPPLES TO BE 16" O.C. MAX. 13" WINMUM CRIPPLE LENGTH FOR SIDE OR END WALL FOR THE FASTENERS SPECIFIED. MAX, ENDWALL HE CRIPPLE LENGTH 4 CRIPPLES TO BE FASTENED TO TOP PLATE AND TO HEADER W/:
(4) 7/16"x2 1/2"x15gg STAPLES (END GRAIN) or
(3) 0.120"x2 1/2" MIN.
NAUS (TOED) ENDER 32 WAX. SIDEWALL HE CRIGTH SIDEWALL HEIGHT 108" BAK. STATE OF THE PARTY STATE OF STA AE-2

<u>John</u>	C. Doed	en								
15133 Cou	inty Road 22, Go	shen , I	N 46528			JOHN C.	DOEDEN	, P.E.	9	
						DATE:	11/06/1	1 RE	V <u>.</u>	
CALCULA	TION FOR				~~~~		7			51. 34,
SUBJECT	: STA	PLELA	TERAL RE	SISTANCE -	15	GA	W	<u></u>		VOE
REFEREN	CE: ESF	R-1539	vy			****	JOHN	C. BOI	DEN P	Ear
							T L LIQ	. 150. % 70	70404	
1)	NAIL YIELD MO	DE	0.07	2 NAILS				THE TO	STAT	E OF
	LUMBER s.g. =		0.43	7.0	0.42	Kd=	2	2.20	SSION SELECTION	ALE
	WIRE DIAMETE SIDE PLATE t =		0.072	0 Fe = 2 Fyb = 0 FASTENEI	100000		.5			
				Fem / Fes = Fes / Fem =	1					
	MODE IIIs		Z =	Committee of the Commit	/Kd (2Res + 1 +1)^2 + ts^2/			D/(2Res=	=1)^.5	
			MERME>	141.83						
	MODE IV		Z =	4 Fem D/ K M =	d * SQRT(N 4	l / Fem D in-Ibs	(1 + Re)) =		45.03	
		45.03 45.03				where Co	=	1 OK		

These prints comply with the Florida Manutactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY



Const. Type: VB - unprotected Occupancy: R-3 Allowable No. of Floors: One (1) Wind Velocity: 126 MPH - Ultimate Fire Rating of Ext. Walls: 0 hr Plan No.: MFT-2530-EZ-476-1 Allow, Floor Load 40 PSF Approval Date: 7/18/2012 Manufacturer: Southern Energy Homes, Inc.

9			PA	GE_5	of <u>6</u>	
			JOHN C. DOE	DEN , P.E.		
			DATE: 11	/06/11REV		
CULATION FOR				\neg \leftarrow		
ECT: STAPLE	LATERAL RESIST	TANCE - 16	and the same of th	10 11/1	The same	OLEO,
RENCE: ESR-153	9					S. C. San
		annigotypesseesseesseesseesseesseesseesseessees		50 40 50 50 50 50 50 50 50 50 50 50 50 50 50	* **	* 6
) NAIL YIELD MODE	0.0625 NA	AILS		25.50	STATE O	THE STATE OF
LUMBER s.g. =	0.42	0.42	Kd=	2.20	SONAL S	Seaning to
	0.0625	Fyb = 100000			= 3 /38	
SHOATHING -	다. 그 : [10.00mm] : 10.00mm] (10.00mm] (10.00mm) (10.00m					
MODE IIIs)^.5	
	=====>	38.43				
MODE IV	Z= 4F			(e)) =	39.80	
[4] (Manage and Co. (4) (4) (4)			where Cd =	1 OK		
	County Road 22, Goshen ULATION FOR ECT: STAPLE RENCE: ESR-1531 NAIL YIELD MODE LUMBER s.g. = Fe = WIRE DIAMETER = SIDE PLATE t = SHAPPING MODE IV THEN Z = 38.4	STAPLE LATERAL RESIST RENCE: ESR-1539	### County Road 22 , Goshen , IN 46528 #### CULATION FOR ###################################	## C. Doeden County Road 22, Goshen, IN 46528	## C. Doeden County Road 22	DATE: 11/06/11 REV.

These prints comply with the Fiorida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY



Const. Type:
Occupancy:
Allowable No.
of Floors:
Wind Velocity:
Fire Rating of
Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:

Manufacturer:

VB - unprotected
R-3
One (1)
126 MPH - Ultimate
0 tur
MFT-2530-EZ-476-1
40 PSF
7/18/2012
Southern Energy Homes, Inc.

PAGE 6 of ENGINEERING, Inc. JOHN C. DOEDEN , P.E. DATE 21/08/11 REV Structural Designers - Consulting Engineers 15133 County Road 22, Goshen, IN 46528 CALCULATION FOR S.E Homes JOHN C. DOEDEN 7/16 x 1-1/2 x 16 Ga. Staple SUBJECT: FICIEC. NO. 45484 0.375 X LUMBER SIDE PLATED REFERENCE: NDSgland Grain is Not Applicable for SCREW YIELD MODE FOR LOADS 90 DEGREES TO 7/16 x 1-1/2 x 16 Ga. Staple SIDE PIECE MAIN MEMBER LUMBER s.g. = 0.42 0.42 Kd= 2.20 Fe = 3350 Fe = 3350 FASTENER DIA. = 0.0625 Fyb = 100000 0.375 FASTENER LENGTH p = SIDE PLATE t= 1.5 Rd= Kd x Ktheta for D<.25 MODE Is Z= D ts Fes / Rd = 35.69 MODE Im Z= 107.07 Kd = 2.2 Ktheta = 1.25 D tm Fem / Rd = 1.00 Rt = tm/ts= 3 MODE II 7= k1 D ts Fes / Rd = 35.69 where k1= k2 D tm Fem / (1+2Re) Rd 37.30 where k2= 1.05 Z= MODE IIIm MODE IIIs Z= k3 D ts Fem / (2+Re) Rd = 16.40 where k3= 1.38 MODE IV Z = D^2/Rd * SQRT(2 Fem Fyb / 3 (1 + Re)) = 18.76 USE THEN Z = 16.40 LBS x 2 Legs = 32.80 lbs 32.8 A 0.375 OK &pmin = 6D=

> These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

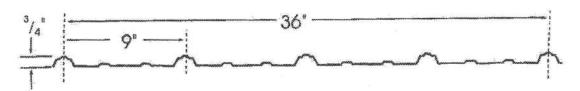


VB - unprotected Const. Type: Occupancy: R-3 Allowable No One (1) of Floors: 126 MPH - Ultimate Wind Velocity: Fire Rating of 0 hr Ext. Walls: MFT-2530-EZ-476-1 Plan No.: 40 PSF Allow, Floor Load: 7/18/2012 Approval Date: Southern Energy Homes. Inc. Manufacturer:

POWER-RIB FEATURES:

Ref. Appendix

- Durable baked on finish.
- Available in 29 gauge (inquire for other gauges).
- Unique double trapezoidal 9" on center major rib with two intermediate ribs gives you maximum load carrying capacity with minimum deflection for exceptional strength and rigidity.
- A wide variety of beautiful colors.
- A complete line of trim and accessories.
 - The 3/4" Power-Rib™ and specially designed Anti-Leak Lap Joint keeps your valuable assets safe and dry.
 - Guaranteed not to crack, peel, chip, check or fade for a fall twenty years* making the Power-RibTM Panel your best choice. *See terms of Warranty for specific information.



					ection pro	PERTIES				
	NOM.			NET	PANEL T	OP IN COMP	RESSION	PANEL BO	TTOM IN CO	MPRESSION
GAUGE	THECK (in.)	WI. (PSF)	(KSI)	COVERAGE (In.)	To (In.4/IL)	8x (in.3/ft.)	Ma in-kipufit.	ix (in.A/R.)	(m.3/%)	Na in-kips/it
29	.015	9.78	88.0	36,0	.0143	.0241	9,87	.0071	.0155	0.57

	· · · · · · · · · · · · · · · · · · ·			HULLIN	MARIE LE	CHELLA	5,7200 P-77	Person In	PUSH	DS PE	7 6 6 6	ANA COURT OF	100	-				
GAUGE		AMME	LOAD	(SFFFEE	(82			LIW	LOA	o (STRI	ESS)			LIVE	OAD (DEFLE	STHOM	1
29	2"	2.5	3,	3.5'	4	4.5	2"	2.5	3'	3.5	4'	4.5	2'	2.5	3'	3.8"	4'	4.5
	985	67.6	ec	AN	97	90	111	79	60	27	28	22	111	72	50	37	38	1 3

NOTES:

Section properties and allowable stresses are calculated in accordance with the 1986 AISI
specifications for light gauge structural members.

Steel minimum yield strength is 80 KSI conforming to ASTM A635-95 (galvanized)

 Values shown as allowable loads are based on panel covering three equal spans. Multiply by 0.8 for two span allowable loads.

4. Allowable loads for wind have been increased by 33%. Panel weight has not been deducted. Minimum bearing length must be checked.

 For agricultural structures, the UBC and SBCCI building codes require a minimum of 10 PSF roof live loads.

Deflection loads are limited by a maximum deflection ration of L/180 of span.

Storage and Handling:

See Application Guide for specific Storage, Handling and Safety Precautions.



	MFT-2530-EZ-476-1 40 PSF 7/18/2012 Southern Energy Homes Inc	Plan No.: Allow. Floor Load Approval Date:	NEW	-		ta Si
	126 MPH - Unimate		APPROVED BY		7 1	*************
	(1) enO	anool To and	attra gniwollot arti ot eredbe			
ν.	e.н		Florida Manufactured Build Act and adopted Codes and	שאונג מאנץ	1 CLNI	
	VB - unprotected.	4.4	These prints comply with the	- 60 -10 "P9 su	ABDYO'S "!	yarararara
(9)				•		**********
5*	"1505E	= 241 = 5	(25,0) 18.E =	710,6 (817 B3) SM	2872 9 OND	1
,	7192 (378	# 688 =		1 1 707		,
(2	(10:0) (M x M) (12)	108) Y.O =	THEAT HEAD	Jew 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	2 - Mina	
				th1 = (91) +68	2 - 19/14/	
		=0011		" supply fee	X 6 # /M	SHW
		21 100	" Ocsi	•		
				FC 35 = (34		W09
	_#	·		516.8 = (4.	的學二日	ADT
	", PHILE=			,		
	GETTG+m) 1	(SKWALL		20)AS 0 BAICS	IMarchai T	T) SHEE
	(e2 1) (a	67.403			······································	
				XAN INT		
	e . ;			WW M P		
	A		1710 815	CXIAILIN		
*	(1) × 18'8.	MG*	7 4110	- C1161 - 12		
	-2:172 (112)	= = = = =	1:0-	2 x M bxc		
	ES 1) 4 PC	= 3143	M\			
	- TOK	T CEPH	N	<u>V</u>	RAIL	BACK
	TANG	3 T34 ()	**		+425.4	NOXA
₹ - 2£	DIST. BETWEEN	= Boulow	M			.,
3	Stavents 43		A TOTAL TOTA			
	ו סומפצער א			A STATE OF THE PARTY OF THE PAR	VE SHEV	CONVIENCEN
P.	Med COVO		10.16		The second second	1974
	, ,	1 1		- my		.5×4/€
	M/R185(29CA)	AL ROOF	Law	* >	-35 %	
	·····			.14	1	
	341721	24	(-50	10,077 (3 CM	-2QVT2	
	1_V.5	3.7V.Y		NAMOTHI 2	GENS STA	(O)#

416	TANO SEAL	W= T+W	an trong	AC KCOOF APPLICA	MELL MELLA	
" 1240 O		. Sellin . T. Sandani . J N		The state of the s	-	77.7
300	10,000		· · · · · · · · · · · · · · · · · · ·	491230 WOS	in enebri	4.4
. W.	AO BIVIE OF					
THE STATE OF THE S	DEN, P.E.	L LIC, NO.		L-3058 8	ाप्रद	BELEBENC
20 W .	DEN DE 42eec	OHN C. DO			· ~ ()].	
13 A.	How the	21/1/	SSETTENS	n agrogas/w wo	ELEBR	SUBJECT:
" Page 1	C. W. Ja.	70	VARIABLE AND ADDRESS OF THE PARTY OF THE PAR	Saman	JIC ROP NO	ITAJUDJAD
U.A.	The state of the s					
	81	,A		DAUGE FIL ARMIN	nty Road 22, Gos	non celet
	3EV	11/2/11	M. STAG			
-		1 4		d c	DOEDEN, F	JIMOI
	Ja 10	PAGE (and

	Approval Date: Anther Energy Homes, Inc. Souther Energy Homes, Inc.
	Plan No: MET-25-30-E2-476-1
	APPROVED-BY Fire Rating of Chr.
20) 1012 121 (01	9/4 MRM: U - MRM: 32F
J41131/14371 =	Act and adopted Codes and Allowable No. One (1)
9:21 to 10:5	Flouda Manufactured Building Occupancy: F-3
install (sorces es.	These brints combly with the Const. Type: VB - unprotected
4912 HL-9:28 = 4.01	/
174 00 1007	19 = (311)) K 5 (21) 1
# 17 Lar	SE'11 112 - 11 - 2
4 11	- 33/12/15/15/15/15/15/15/15/15/15/15/15/15/15/
WITY = LOAD OIL BACK PATIC.	NO - SOAN ANGTHI
) () () () () () () () () () (A STELLER RESISTANCE IN
	·h/
12/2-17.12 = c(ps) (1)	1850 / = 17 X-4W
mos "	and the second s
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	= flow wit =
02)/4	NO CASASI CACI
45	FIND LE FOR 79, 4F
9N	
11/5 101 9:06 - (1106)	PACON VEHICLE OF
1 6C 2 300 0 83 = (111) E-	1
200 8 8.0 = (M	1041 5HO) 7 7 I3
39	7 188 E 7
12.W P200.0= 1 CA02-E	37'm s
	h.V.
CHAS 519	SINCE ELEBROIM IS SIV
C S-SPAJ (ONOITION	
777 787 18 03570	MAX. LOAD = III PSF
1000 6: 03240	Mex. 1040 = 111 pse
SWALING / FASTELERS	130 SPACING OF
100 JANO 100 3949 3	ON HOMORIVIB LEATING
1000	/
1000	
1000	/
1000	/
1000	3) RIBBED ROOFING CAPAC
100 M	3) RIBBED ROOFIJE CAPAC
100 M	3) RIBBED ROOFING CAPAC
1000	S) RIBBED ROOFIJE CAPAC
100 M	3) RIBBED ROOFIJE CAPAC
TOHN & BOLDEN, P.E.	S) RIBBED ROOFING CAPAC
10 M 2 1111 O CO 2	15133 County Road 22, Goshen, IN 46528 CALCULATION FOR REFERENCE: 3 RIBBED ROOFIJS CAPAC
TOHN G. BOLDEN, P.E.	S) RIBBED ROOFING CAPAC

Southern Energy Homes, Inc.

Manufacturer

862531480.0 = 08 0.0135 FASTENER LENGTH p = SIDE PLATE t= 3 100000 Eyb = 0.142 = AIG RENER DIA. = F6 = 3320 = 91 02818 EUMBER s.g. = ON TANOISON 2.20 KQ= 0.42 0.42 **WAIN MEMBER** SIDE PIECE SCIENT KIELD MODE SON BELEBENCE 39 GA METAL (33 kgl STEEL) SIDE PLATE 9 SCREW - CUT THREAD OR ROLLED THREAD SUBJECT: S.E. Homes CALCULATION FOR 15133 County Road 22, Goshen, IN 46528 Structural Designers - Consulting Engineers JOHN C. DOEDEN, P.E. ENGINEERING, Inc PAGE

Dyskd . 60RT(2 Fem Fyb / 3 (1 + Re)) =

k3 D ts Fem / (2+Re) Rd =

k2 D tm Fem / (1+2Re) Rd

= bAlaelatory

= bA\meq mt Q

= bA1.887 at Cl

S3.89 LBS.

83.89 LBS.

= Z

= Z

= 7

×Z

=7

=2

='B"

= Z Nahl

MODE IN

MODE IIIs

MODE IIIM

MODE

MODE IM

MODE IS

MFT-2630-EZ-476-1 Fire Rating of 126 MPH - Ultimate Mind Velocity: of Floors: .cM eldswollA E-H Occupancy: VB - unprotected Const. Type:

≕obsi Factor=

1.42 OK

133.41

16.64

KQ = 55

75.0

Rd= Kd for D<.25

4.91 Rt = tm/ts= 221.22222

SHEEF THE PROPERTY OF THE PARTY OF THE PARTY

Southern Energy Homes, Inc. 7/18/2012

40 bZE

АРРЯОУЕD ВУ adhere to the following criteria: Act and adopted Codes and These prints comply with the

= 0 0t = nim q &

94.56 where k3=

273.18 where k2=

264.64 where k1=

845.76

68.63

Allow. Floor Load: LON nal9

:916G lsvorqqA

	PAGE of
JOHN C. DOEDEN , P.E.	
15133 County Road 22, Goshen, IN 46528	DATE 11/14/2JIL REV
CALCULATION FOR S.E. HOMES	
SUBJECT: EYEBROW WEXPOSED RAY	ETENS // IT IT TO IN
REFERENCE ASCE 7 FBL-R	JOHN C. DOGDEN, P.E
	FL LIC, NO 25,48 TATE OF
130 main Exp C	TABLE TO 6-3 1/2/00 1 END
LAD II	7770 M. 1877
MKH = 30 NOT IN CORNER ZO	9E] UPUFT=56.7(1.4)
#10 x42" SCREWS INTO WAY	79.4 BF
STUDS e 16 ole (3 FNJS	1252
(4) Yax 20h. 4 (56)	
3/much Strapus	3/8"MIN. RATED ASSUME
	5 HEASTHING
CONVIERCINK THE	RAIL WI HEX 14 X1664
	5 Mars 62/2 06 1
2x6 No.35PF	(PER SCHEOULE ELSEWHORE)
BACK RAIL	A UNET UPHET
2x4 Ni.35-P	F
RAFTERS CI	60/ =8,82*(N)
24 MAX	~~~~
1	COMATO (on a) (150
2) MOMEN IN FRAME	=3 1140
N = Wa = 8.82 (24) - 7	-4n - #
The state of the s	1 1 2 1 - x 1 - x 1 - 2 - 4
2x4 122 = 200 (12)(112)	52540.60
-SHEAR = Wa = 8 82/24	\= 7:12.*
212	
3.7-50%	621 < 1.2) (1.0) (6.
-DEFL N = Wa4 8.82	(29)4 =0.057 5 20/
8=1 -6(1.2	7104) (5.36) /844
These prints comply with the Planta Manufactured Building	Const. Type: VB - unprotected Occupancy: R-S
Act and adopted Codes and	Allowable No. OI Floors: One.(1)
	Wind Velocity: 126 MPH - Ullimate Fire Rating of
APPROVED BY	Ext. Walls: 0 hr
	Plan No.: MFT-2530-EZ-476-1 Allow. Floor Load: 40 PSF

Approval Date: 7/18/2012

Manufacturer: Southern Energy Homes, Inc.

PAGE 2 of 6
JOHN C. DOEDEN , P.E. 15133 County Road 22, Goshen, IN 46528 DATE: III A LOUIS REV.
15133 County Road 22, Goshen, IN 46528 DATE 11/151/1011 REV
CC 11 11 11 11 11 11 11 11 11 11 11 11 1
CALCULATION FOR S.E. HOMES OF C. DOSTON
TURE IN STORICENS STORICE THE
SUBJECT: EYESROW STOCKERS JOHN C DOEDEN DE
REFERENCE:
3 1 1 5 Ci C. 180, 40464
STATE OF THE
NOMALE SO
3) CONNECTORS "CONTRACTORS
BACK RAIL TO RAFTEYZ W/ 7/6 X 2/2 XISGA.
57M0ES
-SHEME - CLI L.R. = 45.0(3)(16)
= 48 4
N.R.=212/10 = 44
7 48 ====
- MOMENT UPLIET => 500 5
3/2
3 251 minds MIN. R
K = 2721 = 726 *
3.5
3/8 X5" LAG (+-E = 23/2") W/N=2.78 (235) (1.6) (0
= 1000 EC
GRAVITY > 1 2 11 (24)2/2
7 K = 25(4
SHEATHING FACTOMING U/ 1/6 X16 GA STAPLET
LR = 32 a/un = 37.71
SPACE 1/277/12
58xc1NG = 37.7(12) -2.36=>2606
256/1.33 NAX
0.BAGA
-BACK RAK TO WHILSTOPS RAIL
W/ #10 x5" SURGAJS => W/D = 45x2.56 x 1.6
D=3.33° 567 \$
- 20.1
These prints comply with the Const-Typer YB - unprotected
Florida Manufactured Building Occupancy
Act and adopted Codes and Allowable No.
Wind Velocity: 126 MPH - Ultimate
APPROVED BY Fire Rating of
Ext. Walls: 0 hr Plan No: MFT-2530-EZ-476-1
Allow, Floor Load: 40 PSF
Approval Date: 7/18/2012 Manufacturer: Southern Energy Homes, Inc.
and the state of t

		CONTRACTOR TO CO	
			PAGE 3 of 6
	JOHN C. DOEDEN , P.E.		lest.
	15133 County Road 22, Goshen, II	V 46528	DATE: 11/14/11 REV
	CALCULATION FOR	NACENSON	
	SUBJECT:	No 4540	
Ů.	REFERENCE:	ETS STATE OF	* JOHN C. DOEDEN, P.E.
2		SON CORNER	
	1	SASTONAL S	11 6x6
n a	ui: sea	$M_{\star} = 507 (4.1)$	75 + 2 . (5 + 0 . /5)
R-3 One (1)	90 PSF 47.75 A 27.75 A	- R	4.13
R-3 R-3 One (1)	0 hr 40 PSF 77/92001 E PSF 77/92001 PSF	= 3275 [n + > 2540 (or)
>	None Parket	Mind	2540
6 2	9 8	T-(9	SXI.6) (6.46) = 2.6
Const. Type: Occupancy: Allowable No of Floors:	EXI, Welsi: Plan No. Allow. Floor Approve Designation Majoristicus Majoristicus Majoristicus		*10 x41/2" SCREN EN
00403	SHEHR > 1	27# L.P.= 90	9/1.6)=158# 1.43 8005
the ding nd iteria:			3 Rows (on)
oly with red Bull Codes a wing or	à <u>Z</u>		
anufactu dopted (E LAG SCEN V	vasheve for	(26-com)
These prints comply with the Florida Manufactured Building Aci and adopted Codes and adnere to the following criteria:	A.	726	1.7 [""
+ 4 4 4		425 (%)	
		18. DIA = 41.71	(4)/10 +(8) = 152
		5ey 17	2°014.
	4) WALL FRAMING	P. WINNW MENI	NGS WEYERROW ABOVE
	A MA-TOP A		
***************************************			MONT INDUCES UPLIET
Veneza		<u> </u>	CRIPPLES
e de la constante de la consta	171=2540 IA-	=>Rays 12 -1	92
j	Harberz	Caropie 1 - 2	540 124
Į		THURS TWIN -	192 12
BOROTELEA	W/A) 7/6/2/2XXXGA STAPE	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
or other transfer of the state	L.R. = 4 (40)	OPENINZ	STVGS RANGE 254 = 30*
	= 1924		400 one FASTENER OTOP
	AUT (3) 0120 x 21/2" NECCS (
L	· 101 - 100 Kmit wolc? C.	OPEN - 12/165 X 3/81	(1.6) - 24/ 8/72/80