Const. Type: Occupancy:

Allowable No.

Wind Velocity: Fire Rating of

Ext. Walls:

Plan No.:

Allow, Floor Load

Approval Date:

Manufacturer:

of Floors:

VB - unprotected

R-3

One (1)

126 MPH - Ultimate

MFT-2530-EZ-476-1

40 PSF

7/18/2012

Southern Energy Homes, Inc.

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 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:

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:

F (23 C)

HEATING LOAD:

25,754 Btuh based on outside temp of

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

F (22 C)

Crawlspace is not heated by the primary air handler.

CONSTRUCTION	DETAILS & U FA	CTORS:	(19-19-38)	GREEN	ORIENT	ATION	
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 DUCTS (U):	0		
TOTAL Low-E window	254.80 s.f.	WALLS:	0.059	ATTIC DUCTS (U):	0.125		
TOTAL S.G.D.	0.00 s.f.	FLOOR:	0.050	EXT. DUCTS (U):	0.125		
TOTAL Glass Block	0.00 s.f.	Low-E wi	0.370	ATTIC DUCT AREA:	44.286	s.f exposed	
TOTAL Skylite	0.00 s.f.	S.G.D.	1.060	EXT. DUCT AREA:	0	s.f exposed	
TOTAL Door1 Area:	21.64 s.f.	Glass Blc	0.790	PEOPLE:	4	s.i exposed	
TOTAL Door2 Area:	43.28 s.f.	Skylite	0.790	FIREPLACES:	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		
LATENT GAIN:	2478 Btuh		F. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	SUMMER INFILTR:	57.4	Btuh @ 110 TD	
Mech. Ventilation :	0 cfm	Altitude:	40 ft	WINTER INFILTR	86.1	cfm	

ROOM BY ROOM VALUES:

657.3 FPM, max velocity in trunk#: 7 0.19 Max pressure at A/H

										ion probbute	
			equired in each r			Cooling Air	Г	Heating Air			
f	ow set	to maximum of	either heating o	r cooling		Values for		Values for	30	10.0 KW	Maximum A/C capacity
		HEATING	COOLING	CFM		2.5	ton unit	90	% Gas/Oil	Elec	Calibrated Blower Test
ROOM NAME		LOSS (Btu)	GAIN (Btu)	DIST		CFM	Btuh	CFM	Btuh E		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	72	151	4,636	144	4,201	5,317	6,102
Kitchen	h	1,753	1,137	47		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	20	104	3,191	99	2,892	3,660	4,212
Dressing Area	C	361	229	12	20	-		-	2,002	3,000	4,212
WIC	h	920	593	25	-	53	1,644	51	1,490	1,885	2,170
M. Bath	C	2,936	2,200	82	100	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	
Hall Bath	h	811	531	22	16	40	1,237	38	1,121	1,419	3,986
Bedroom #2	c	2,698	2,372	88		84	2,584	80	2,342		1,632
Foyer	h	1,176	682	32		54	1,656	51	1,501	2,963 1,900	3,411 2,187
TOTALS		25,754	21,163	809		966	29,752	923	26,960	34,120	39,236



APPLICATION ENGINEERING EQUIPMENT SELECTION AND SIZING WORKSHEET (MANUAL S)

SOUTHERN ENERGY HOMES

Hwy 41 N, PO Box 269

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

which is the Supplemental Heat divided by 3400 = _____ KW.

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

Addison, AL 35540 Design Zone: FL, Region 2A (2010)

G LOAD:	25,754	Divis or	17 °		DEOID DI OUED	0511 -000	100000000000000000000000000000000000000	122 1221	320 M	
BLE CLG LOAD:	18,685		96 °		REQ'D BLOWER		cfm at altitude			
NT CLG LOAD:		Bluh at	96 °		Entering Air WET			ch. Ventilation : tering Air RH:		
INS DIFFERENCE:	40				Outside wet			outside RH:		
IN THE DATA FRO						900 mark (1986 mark) 18 0	9270			
handler mode	el #:				Condenser n	nodel #:_		-		-
	Select blower sp									
Blower CFM is from	n 649	t	879	for Tota	(External) Statio	Pressure of	0.7_		to 0.9	
Electric, Gas or O	il Furnace	Select blow	er speed in	HEATING r	node:	O	utput Btuh is f	rom 27041_		to 36055
Blower CFM is fro		to		for Ter	np. rise of 55-65	i				
Blower CFM is fro	om 533	to	651	for Ten	np. rise of 45-55	i				
Blower CFM is fro	om 651	to	837	for Ten	np. rise of 35-45	i				
Cooling Equipmen	ı	S/T Ratio =	0.88	Lea	ving Temp =	48.0 °	TD =	27.0 °		
At 96F outside, Tot	tal A/C output	from			to		btuh is GOOD			
At 96F outside, Tot					100		btuh is MARG			
				15						
Sensible Capacity is		17445 btuh			to 19923 btuh					
Latent Capacity is f										
Mechanical Ventila Heat Pump with Su	ation is		f blower cfm		to 3717 btuh Dry bulb	increases by	0.0 Fan	d wet bulb by	e (0 F
Mechanical Ventila Heat Pump with Su Data from perfo	upplemental H ormace cha	0.0 % of eating Coi. rts	f blower cfm			d calculat		d wet bulb by	: (0 F
Mechanical Ventila Heat Pump with Su Data from perfo	etion is applemental H	0.0 % of eating Coi. rts	f blower cfm		Dry bulb	d calculat	ion	d wet bulb by	: (0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at 35000	upplemental H ormace cha	0.0 % of eating Coi. rts	f blower cfm		Dry bulb Data from loa 0 btuh at	d calculat	ion Foutside	d wet buib by	: (0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at	upplemental H ormace cha	0.0 % of eating Coi. rts	f blower cfm		Dry bulb Data from loa 0 btuh at	d calculat	ion Foutside	d wet buib by	: (0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at 35000	upplemental H ormace cha	0.0 % of eating Coi. rts	f blower cfm		Dry bulb Data from loa 0 btuh at	d calculat	ion Foutside	d wet bulb by	: (0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at btuh at	upplemental H ormace cha	0.0 % of eating Coi. rts	f blower cfm		Dry bulb Data from loa 0 btuh at	d calculat	ion Foutside	d wet buib by	: (0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at 35000	upplemental H prmace chai t F outsic	0.0 % o leating Coil rts de de	f blower cfm		Dry bulb Data from Ioa 0 btuh at 25,754 btuh a	d calculat	ion Foutside	d wet buib by	. (0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at 35000 30000	upplemental H ormace cha	0.0 % of eating Coints de die die die die die die die die die d	f blower cfm		Dry bulb Data from loa 0 btuh at	d calculat	ion Foutside	d wet buib by	: (0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at btuh at 35000 25000	prion is applemental H brmace cha t F outsic t F outsic These prints comp	0.0 % o	f blower cfm		Dry bulb Data from Ioa 0 btuh at 25,754 btuh a	d calculat	ion Foutside	d wet buib by	: (0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at btuh at 35000 25000	pplemental H prmace chaitF outsid tF outsid	0.0 % o	Const. Typ Occupancy Allowable N	i.	Dry bulb Data from Ioa 0 btuh at 25,754 btuh a	at 17	ion Foutside			0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at btuh at 35000 25000	pplemental H prmace chait	0.0 % o	Const. Typ Occupancy Allowable N of Floors: Wind Veloc	i.	Dry bulb Data from Ioa 0 btuh at 25,754 btuh a	at 17	ion Foutside Foutside			0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at btuh at 35000 25000	prion is applemental H brmace cha t F outsic t F outsic These prints comp	0.0 % o	Const. Typ Occupancy Allowable N of Floors: Wind Veloc	i.	Dry bulb Data from Ioa 0 btuh at 25,754 btuh a VB - unprotected R-3 One (1) 126 MPH - Ultimate	at 17	ion Foutside Foutside			0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at 35000 25000 20000	pplemental H prmace chait	0.0 % o	Const. Typ Occupancy Allowable N	i.	Dry bulb Data from Ioa 0 btuh at 25,754 btuh a	at 17	ion Foutside Foutside			0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at btuh at 35000 25000	pplemental H prmace chait	0.0 % o	Const. Typ Occupancy Allowable N of Floors: Wind Veloc Fire Rating Ext. Walls:	2:	Dry bulb Data from Ioa 0 btuh at 25,754 btuh a 25,754 btuh a VB - unprotectec R-3 One (1) 126 MPH - Ultimate 0 br	at 17	ion Foutside Foutside			0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at 35000 25000 20000	pplemental H prmace chait	0.0 % o	Const. Typo Occupancy Allowable N of Floors: Wind Veloo Fire Rating Ext. Walls: Plan No.:	2: 	Dry bulb Data from Ioa 0 btuh at 25,754 btuh a 25,754 btuh a VB - unprotectec R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 40 PSF 7/18/2012	od calculate 72 at 17	ion Foutside Foutside			0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at 35000 25000 20000	pplemental H prmace chait	0.0 % o	Const. Typ Occupancy Allowable N of Floors: Wind Veloc Fire Rating Ext. Walls: Plan No.:	2: 	Dry bulb Data from Ioa 0 btuh at 25,754 btuh a 25,754 btuh a VB - unprotectec R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 40 PSF	od calculate 72 at 17	ion Foutside Foutside			0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at 35000 25000 25000 15000	pplemental H prmace chait	0.0 % o	Const. Typ Occupancy Allowable N of Floors: Wind Veloo Fire Rating Ext. Walls: Plan No.: Allow. Floo Approval D	2: 	Dry bulb Data from Ioa 0 btuh at 25,754 btuh a 25,754 btuh a VB - unprotectec R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 40 PSF 7/18/2012	od calculate 72 at 17	ion Foutside Foutside			0 F
Mechanical Ventila Heat Pump with Su Data from perfo btuh at 35000 25000 25000 15000	pplemental H prmace chait	0.0 % of leating Coints de die lie lie lie lie lie lie lie lie lie l	Const. Typ Occupancy Allowable N of Floors: Wind Veloo Fire Rating Ext. Walls: Plan No.: Allow. Floo Approval D	2: 	Dry bulb Data from Ioa 0 btuh at 25,754 btuh a 25,754 btuh a VB - unprotected R-3 One (1) 126 MPH - Ultimate 0 hr MFT-2530-EZ-476-1 40 PSF 7/18/2012 uthern Energy Homes.	at 17	ion Foutside Foutside Draw Load Li			

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

DATE: 07/10/12 BY: SMP

MODEL: EZ-476-1

(P)	141	LICHT	CIMIC	LOAD

Main Floor Size =

length = 76.00 ft. width = 30.00 ft. Tag Floor Size = length =

2nd. Floor Size = ft.

length = width =

ft.

Total area = 1928 sq. ft.

Minimum number

width =

of 15 Amp circuits =

(B)(2) SMALL APPLIANCE LOAD LAUNDRY LOAD

No. of circuits =

ft.

(B)(3) APPLIANCE LOAD & (B)(4) M	OTOR LOAD
Electric Range =	11900 VA
Electric Water Heater =	8000 VA
Electric Clothes Dryer =	5600 VA
Electric Cooktop =	0 VA
Electric Wall Oven =	0 VA
Trash Compactor =	0 VA
Dishwasher =	744 VA
Garbage Disposal =	0 VA
Hydromassage Tub Motor =	0 VA
Gas/Oil furnace blower motor =	0 VA
Microwave oven =	1600 VA
Other =	0 VA
Exhaust Fans (total of all) =	840 VA
	28684 VA

1 Kitchen @ 120 VA each 3 Bath @ 240 VA each

TOTAL OF LOADS (B)

(1) Lighting load =	5784	VA
(2) Small appliance load =	6000	VA
(2) Laundry load =	1500	VA
(3) Appliance & (4) Motor load	28684	VA
Subtotal =	41968	VA

Demand Factor

First 10000 VA @ 100% = Remaining 31968 VA @ 40% = 10000 VA 12787 VA General Load Total = 22787 VA These prints comply with the Florida 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 Fyt Walls:

Plan No.: Allow, Floor Load Approval Date: Manufacturer:

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.

(C) HEATING AND AIR-CONDITIONING LOAD (USE LARGEST)

(1) Air conditioning & cooling @ 100% =

(2) Heat pump w/o supplemental electric heating @ 100% =

(3) Electric thermal storage @ 100% =

(4) Heat pump @ 100% & supplemental electric heating @ 65% =

(5) Electric space heating (less than 4 units) @ 65% =

0 VA 0 VA 0 VA 0 VA

13260 VA Total VA = 36047 VA / 240 Volts =

TOTAL OF ALL LOADS = AMPS 150 Minimum Main Panel Size Required = 175 **AMPS** Actual Main Panel Size Installed = AMPS 200

Service Feeder Conductor Size Required =

Table 310.15(B)(6)

4/0 AWG AL or CU-Clad AL

2/0 AWG CU

Grounding Electrode Conductor Size =

Table 250.66

2 AWG AL or CU-Clad AL

4 AWG CU

220.61

NEUTRAL LOAD

Lighting, Small Appliance & Laundry Loads =

First 3000 VA @ 100% =

3000 VA

Remaining 10284 VA @ 35% = 3599.4 VA

Subtotal =

6599.4 VA

Total Cooking Appliances @ 70% =

8330 VA

13284 VA

Clothes Dryer @ 70% = Sum of other 120 V Loads =

3920 VA 3184 VA

Total = 22033.4 VA / 240 V =

Neutral wire size based on amps =

5784 VA

1500 VA 6000 VA No. of circuits =

1500 VA 1500 VA



DESIGNER GUIDE FOR ALTERNATIVE FOUNDATIONS:

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

1 STORY- W.O ATTIC

PLANT # 943

MODEL NUMBER: EZ-476-1 MAX. STRUCTURE LENGTH: 76 ft.

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:

FLORIDA

TABLE A: Mating wall column roof loads:

	12	First Floor	Location	Roof Load	at 1st flo	or opening per	Snow load (lbs.):	Net
	Colum ID	Span (ft.)	(Ft)	20 psf		1000		Uplif
	1	8'	36.333'	2146#				400 #
	2	8'	44.333'	2146#				400 7
	3	6.9'	48.333'	1851#				345 #
	4	6.9'	55.166	1851#				345
	5	8'	60.1666'	2146#	72-77			400 #
	6	8'	68.166'	2146#				400 #
NMN								-
COL								+
WALL								
						1		

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:

	- 3			Snow (lbs	ment.	Net Uplift	ID/IL.
	Only ³	20 psf				NC	Comer
SIDEWALL AT 1st FLOOR CEILING	. plf	298.7 plf				85.6 plf	106.9 plf
SIDEWALL AT FLOOR TO SILL:	. plf	596.8 plf	_			. plf	. plf
MAX. SIDEWALL RIM RAIL SPANS (in.)1	NA	NA				- 1. 1. Mar 51. D.	Y
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				. p.,	45.50
SIDEWALL & MATING WALL SUPPORTED8:		N				1.00	100
	360. plf	607.6 plf				+ 185° 185 18	
MAXIMUM CHASSIS PIER SPACING (FT.)	13.4' o/c	10.3' o/c		11		100	101.

- PANS BASED ON RIM JOIST(S): (2) 2XB #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
- 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 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;943N-8.R.K.E.22.2.210(4)

2530-EZ-47

Wind Velocity Fire Rating of Ext. Walls: Allowable

Fiorida Manufactured Building Act and adopted Codes dnere to the following PROVED BY

prints





Ver. 12.13

DESIGNER GUIDE FOR ALTERNATIVE FOLINDATIONS:

UNIT WIDTH: 180 in ROOF PITCH: 6/12 TO 6/12

WIND: 100 MPH EXPOSURE C-enclosed

76 ft.

1 STORY- W.O ATTIC

PLANT #: MODEL NUMBER: EZ-476-1

FLORIDA

MAX. STRUCTURE LENGTH:

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		Roof Loads a	at 1st floo	r opening pe	Snow load (lbs.)1:	Ne
	Colum ID	Span (ft.)	(Ft)	20 psf				Upl
1	1	8'	36.333'	2146 #				400
, n	2	8'	44.333*	2146 #				400
2	3	6.9'	48.333'	1851#				345
DAIL CIM	4	6.9'	55.166'	1851#				345
Ě	5	8'	60.1666'	2146#				400
(22)	6 .	8'	68.166'	2146#				400
UMNS								1
E S								+
WALL								
-	lasts reaf land at w							

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 Loa	d under wal	per Ground	Snow (lbs	/ft.):	Net Uplift	(lb/ft.)
	Only ³	20 psf					NC	Co	mer
SIDEWALL AT 1st FLOOR CEILING	. plf	298.7 plf					85.6 plf	_	6.9 pl
SIDEWALL AT FLOOR TO SILL:	. plf	596.8 plf					. plf	_	. plf
MAX. SIDEWALL RIM RAIL SPANS (in.)1	NA	NA					101190	14.0	20.5
MATING WALL AT 1st FLOOR CEILING:	. plf	536.6 plf					100. plf	11	00. plf
MATING WALL AT FLOOR TO SILL:	. plf	1140. plf					. plf	-	. plf
MAX. MATING RIM RAIL SPANS (in.)2	NA	NA					SE FAIRE A	1	in this
SIDEWALL & MATING WALL SUPPORTED ⁸ :	Hitely Des	N					Const. 10 200		Egment
CHASSIS BEAM SUPPORTS (PLF):	360. plf	607.6 plf					100	11	0.0
MAXIMUM CHASSIS PIER SPACING (FT.): FOOTNOTES:	13.4' o/c	10.3' o/c						9	la de

- 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
- 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 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 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 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 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 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 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 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 RIM JOIST GIRDER SPANS BASED G 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 ALE 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. &, 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)

Date Rating of Agowable

Buildin and and adopted Codes to the following Florida Manufactured comply hese prints

One (1





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

FLORIDA

Ver. 12.13

MAX. STRUCTURE LENGTH:

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:

- 1		First Floor	Location	Roof Load	Roof Loads at 1st floor opening per Snow load (lbs.) 1:					
	Colum ID	Span (ft.)	(Ft)	20 psf				Upl		
	. 1	8'	36.333'	2146#				400		
אווואווו (פיא) א	2	8'	44.333'	2146#				400		
	3	6.9	48.333'	1851#				345		
	4	6.9'	55.166'	1851#				345		
	5	8'	60.1666	2146#				400		
E	6	8'	68.166'	2146#				400		
NMNS				-						
						-		-		
WALL								+		
	ects roof load at n									

 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:

Only3	20 psf 298.7 plf 586, plf	NC 85.6 plf	Corner 106.9 pff
SIDEWALL AT FLOOR TO SILL: 360. plf			
1 000. pii	586. plf	00.0 pii	
MAX. SIDEWALL RIM RAIL SPANS (in)1 60 "		 , plf	riff I
	68."	1 2 2 2 2 2	-
MATING WALL AT 1st FLOOR CEILING: 720. plf	536.6 plf	100, plf	100 pt
MATING WALL AT FLOOR TO SILL: 720. plf	1118.4 plf	. plf	SPR S
MAX. MATING RIM RAIL SPANS (in.) ² 86.8"	72.5"	- Dil	5 2

- CH 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
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 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., PSF T. C.D.L., BPSF BC. D.L. BPSF FL. DI. & 10PSF B.C. LL 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
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- 9. PLEASE CONTACT JOHN WELDY DIRECTOR OF ENGINEERING AT 574.825.7500 FOR ADDITIONAL INFORMATION, PLEASE PROVIDE FILENAME:943I-8.R.K.E.22.2.2.210(_)



Load

Floor L

lan No.:

aproval Date

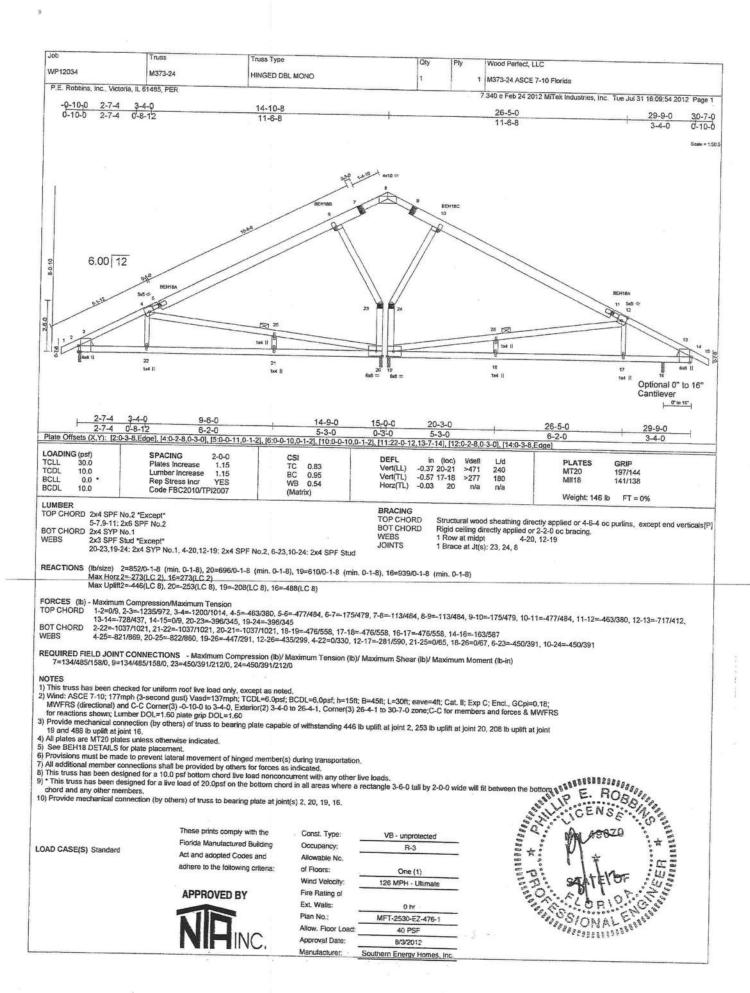
Fire Rating of

Allowable No Vind Velocity

Act and adopted Codes and

adhere to the

of Floors:



Job Truss Type Wood Perfect, LLC WP12034 P177-6FL M373-~4 P177-8F1 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 2-10-0 11-11-0 0-10-0 4-6-8 0-3-0 8.00 12 2-6-0 Hinge Height X -3 2-10-0 7-4-8 11-11-0 14-9-0 2-10-0 4-6-8 4-6-8 2-10-0 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) TCLL 30.0 TCDL 10.0 SPACING DEFL in (loc) -0.26 10-11 IJd 240 **PLATES** GRIP TCLL Plates Increase 1.15 TC BC 0.64 Vert(LL) >670 MT20 197/144 141/138 Lumber Increase 1.15 0.94 Vert(TL) -0.40 10-11 >440 180 MII18 BCLL 0.0 Rep Stress Incr YES WB 0.72 Horz(TL) 0.03 8 n/a n/a BCDL 10.0 Code FBC2010/TPI2007 LUMBER BRACING TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x3 SPF Stud Structural wood sheathing directly applied or 4-9-8 oc purlins.
Rigid ceiling directly applied or 2-2-0 oc bracing. TOP CHORD [P] BOT CHORD WEBS 1 Row at midpt 3-7 WEDGE Left: 2x3 SPF Stud, Right: 2x3 SPF Stud REACTIONS (lb/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 (lb) - 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
2-11=-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)

I) 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 (directional) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33 | All plates are MT20 plates unless otherwise indicated.

4) See BEH18 DETAILS for plate placement.

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

LOAD CASE(S) Standard

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 Ext. Walls: Plan No.: MFT-2530-EZ-476-1

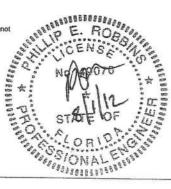
APPROVED BY



Approval Date 8/3/2012 Manufacturer Southern Energy Homes, Inc.

. 40 PSF

Allow, Floor Load



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.

Manufacturer	Product Description	Approval #(s)
Dunbarton		FL15362
	-	
		"(a)); " "Bladgi, d. o yart.
Kinro	9750	FL993.1, FL993.2
	Andrew Contract Contract	
lames Hardie	Cemplank	FL-13192
		FL13265.1
White the Employee and		MATERIAL CONTROL
Owens Corning	Classic	FL10674
Certain Teed	Asphalt Shingle	FL5444
Tamko	15 UL (No. 15 Type 1 Asphalt Felt)	FL12328
Tamko	Tam-Pro 856 Premium SBS Adhesive	FL1960.1
Tamko	Tam-Pro Q-20 Premium SBS Flash	FL1960.1
HURSHAMMER STREET TO		
Aglan V - Paradych vida		Programme Section 1
rug urverant	and the second of the second o	
MiTek		FL2197-R3
	LSTA18, CS22, CS16,	
SimpsonStrongTie	CS14	FL10852
SimpsonStrongTie	LTS18, HTS16	FL10456
25 Indiana		an and a second
	Florida Manutactured Building Occupancy ct and adopted Cedes and Allowabia No.	#3.4 ************************************
	Wind Velocity: APPROVED BY Fire Rating of	126 MPH - Ultimate
	Ext. Malle:	MFT-2530-EZ-476-:
	Allow, Floor Lo	
	Approval Date: Manufacturer:	7/18/2012. Southern Energy Homes, Inc.
	James Hardie James Hardie James Hardie Owens Corning Certain Teed Tamko Tamko Tamko MiTek	Dunbarton Kinro 9750 James Hardie Cemplank James Hardie Hardie Soffit/Cem Soffit Owens Corning Classic Certain Teed Asphalt Shingle 15 UL (No. 15 Type 1 Asphalt Felt) Tamko SBS Adhesive Tam-Pro 856 Premium SBS Adhesive Tam-Pro Q-20 Premium SBS Flash MiTek LSTA18, CS22, CS16, CS14 SimpsonStrongTie LTS18, HTS16 Planks, Harvatacture Equipment of the control of

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.

I understand these products may have to be reinspection.	emoved if approval cannot	be demonst	trated during
			-11942
	5		
	5,000		
	These prints comply with the	Const. Type:	
	Florida Manufactured Building	Occupancy:	VB - unprotected
	Act and adopted Codes and	Allowable No.	
	adhere to the following criteria:	of Floors:	One (1)
	ADDOUGE	Wind Velocity:	126 MPH - Ultimate
	APPROVED BY	Fire Rating of	
		Plan No.:	U hr MFT-2530-EZ-476-1
	MILT	Allow, Floor Load:	40 PSF
	INC	Approval Date:	7/18/2012
		Manufacturer:	Southern Energy Homes, Inc.
			9.

Steve Thillips

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

2. Single family or multiple family 3. Number of units, if multiple family 4. Number of Bedrooms 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 7. Windows(254.9 sqft.) Bescription a. U-Factor: SHGC: C. U-Factor: SHGC: C. U-Factor: SHGC: C. U-Factor: SHGC: C. U-Factor: SHGC: Area Weighted Average Overhang Depth: Area Weighted Average SHGC: S. Floor Types (1928.0 sqft.) Area Weighted Average R=19.0 1928.0 ft² D. N/A R=19.0 1928.00 ft² D. N/A R=19.0 1928.00 ft² D. N/A R=19.0 1928.00 ft² None SHGC: C. U-Factor: Area Weighted Average SHGC: R=19.0 1928.00 ft² D. N/A R=19.0 1928.00 ft² None SHGC: Area Weighted Average SHGC: SHGC: SHGC: SHGC: Area Weighted Average SHGC: Area W	
5. Is finis a worst case? 6. Conditioned floor area above grade (ft²) 1928 Conditioned floor area below grade (ft²) 0 7. Windows(254.9 sqft.) Description a. U-Factor: Dbl, U=0.37 SHGC: SHGC=0.28 b. U-Factor: N/A SHGC: O. U-Fact	ft² ft² ft²
b. U-Factor: N/A ft² 12. Cooling systems a. Central Unit 2 c. U-Factor: N/A ft² 3. Heating systems a. Electric Heat Pump 4. Hot water systems a. Electric B. N/A G. N/A R= ft² 5. Credits 4. Cooling systems a. Cooling systems a. Central Unit 2 13. Heating systems a. Electric Heat Pump 4. Heat Pump 5. Heat Pump 5. Conservation features 6. Conservation features 7. None 7. N/A R= ft² 7. Credits 7	
d. U-Factor: N/A ft² a. Electric Heat Pump SHGC: Area Weighted Average Overhang Depth: 1.000 ft. Area Weighted Average SHGC: 0.280 14. Hot water systems a. Electric 8. Floor Types (1928.0 sqft.) Insulation Area a. Crawlspace R=19.0 1928.00 ft² b. Conservation features b. N/A R= ft² None c. N/A R= ft² Total Proposed Modified Loads: 37.63 Total Standard Reference Loads: 51.77	u/hr Efficiency 4.1 SEER:13.00
C. N/A R= ft² 15. Credits Glass/Floor Area: 0.132 Total Proposed Modified Loads: 37.63 Total Standard Reference Loads: 51.77	u/hr Efficiency 23.1 HSPF:7.70 Cap: 40 gallons EF: 0.970
Total Standard Reference Loads: 51.77	ASS
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: DATE: BUILDING OFFICIAL: DATE: DATE: BUILDING OFFICIAL: DATE: DATE: DATE: DATE: Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. BUILDING OFFICIAL: DATE: DATE: DATE: DATE: Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.	OF THE STATE OF TH

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

R-3 Occupancy: One (1) of Floors: 126 MPH - Ultimate Wind Velocity: Fire Rating of

APPROVED BY



Ext. Walls: 0 hr 20 hr 2

Allow. Floor Load: 40 PSF Approval Date: 7/18/2012 Southern Energy Homes. Inc. Page 1 of 5

				PROJECT						33,100,000,000	
Title: Building T Owner: # of Units: Builder Na Permit Off Jurisdictio Family Ty New/Exist	: 1 ame: fice: n: pe: Single-family ing: New (From Pla	ns)	Bedrooms: Conditioned Total Stories Worst Case Rotate Angl Cross Ventii Whole Hous	s: 1 : No e: 0 lation:	3.5		Address T Lot # Block/Sub PlatBook: Street: County: City, State	Division:	Columbia Lake City		
				CLIMATE		***					
V	Design Location	TMY Site	IEC0 Zone		n Temp 6 2.5 %		gn Temp Summer	Heating Degree Day	Desi ys Moist	STATE OF THE PARTY	ly Temp Range
	FL, Jacksonville	FL_JACKSONVILL	E_INT 2	32	93	70	75	1281	49	ı	Medium
	*	annous Manual Sandaria		BLOCKS				- SALIPSON AND AND AND AND AND AND AND AND AND AN			
Number	Name	Area	Volume					****			
. 1	Block1	1928	17352								ACCOUNT TO SERVE
				SPACES							
Number	Name	Area	Volume K	itchen Oc	cupants	Bedrooms	s Infil I) Finish	ed Co	ooled	Heated
1	RoomsInBlock1	1928	17352	Yes	3	3	1	Yes	Ye	es	Yes
			anness de la company	FLOORS							
\vee	# Floor Type	Space	Expose	ed PerWall Ins	s. R-Value	Area	Floor Joist	R-Value	Tile V	Vood (Carpet
	1 Crawlspace	Roomsir	nBlock1 1 ft		0	1928 ft²	19		0	0	1
		*		ROOF							
V	# Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
P	1 Gable or shed	Composition shingl	es 2088 ft²	402 ft²	Medium	0.96	No	0.9	No	0	22.6
	1.			ATTIC							
\checkmark	# Type	Ventila	ation	Vent Ratio (1	1 in)	Area	RBS	IRCC			
	1 Full attic	Vent	ed	300		1928 ft²	N	N			
				CEILING							da Garinaga para pilapa
V	# Ceiling Type		Space	R-Value	Α	rea	Framing	Frac	Tru	ss Type)
	1 Under Attic (Ve	ented) Ro	oomsInBlock1	38	19	928 ft²	0.1	1	١	Vood	
				These prints comp		Const. Ty		VB - unprotecte	d		WET THE SECOND
				Florida Manufactu Act and adopted 0		Occupano Allowable		R-3			
				adhere to the folio		of Floors:		One (1)			

APPROVED BY



Const. Type:	VB - unprotected
Occupancy:	R-3
Allowable No.	9
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.

							W	ALLS			10					
\checkmark	#_O	nt	Adjac To		Туре	Space	Cavity R-Value	Wic		Height Et In	Ar	ea	Sheathing R-Value	Framing Fraction		
	1	N	Exterio	r Fra	me - Wood	RoomsinE	3loc 17.2	60	4	9 0	543	ft²		0.23	0.75	(
	2	S	Exterio	r Fra	me - Wood	RoomsinE	Bioc 17.2	60	4	9 0	543	ft²		0.23	0.75	(
	3	E	Exterio	r Fra	me - Wood	RoomsInE	Bloc 17.2	30	0	9 0	270	ft2		0.23	0.75	(
	4	W	Exterio	r Fra	me - Wood	RoomsInE	Bloc 17.2	30	0 9	9 0	270	ft²		0.23	0.75	(
							DO	ORS								
V	7	<i>‡</i>	Orr	nt	Door Type	Space			Storms	U-V	alue	Ft	Width In	Heigh Ft	it In	Area
		Į.	S=>	E	Insulated	RoomsInBlo	С		None	0.46	0000	3	0	6	8	20 ft²
	2	2	E=>	N	Insulated	RoomsInBlo	С		None	0.460	0000	3	0	6	8	20 ft ²
	3	1	N=>	W	Insulated	RoomsInBlo	С		None	0.460	0000	3	0	6	1000 1000	20 ft²
						Prientation sho		DOWS		orientati	on					
1		-	Wall			managon she	WIT IS THE C	ittered, r	Toposeu	Orientali	Hall-ren control	Over	hang		-	
V	#	Om	t ID	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area			Separation	Int Sha	ade	Screenin
	1	N=>1	N 1	Vinyl	Low-E Double	Yes	0.37	0.28	N	92.010	41 1 ft () in	0 ft 0 in	HERS 2	2006	None
	2	N=>1	N 1	Vinyl	Low-E Double	Yes	0.37	0.28	N	8.57812	25 1 ft () in	0 ft 0 in	HERS 2	2006	None
	3	W=>	S 4	Vinyl	Low-E Double	Yes	0.37	0.28	N	8.57812	25 1 ft () in	0 ft 0 in	HERS 2	2006	None
	4	S=>	E 2	Vinyl	Low-E Double	Yes	0.37	0.28	N	63.368	05 1 ft () in	0 ft 0 in	HERS 2	2006	None
	5	E=>1	N 3	Vinyl	Low-E Double	Yes	0.37	0.28	N	63.368	05 1 ft () in	0 ft 0 in	HERS 2	2006	None
	6	E=>1	N 3	Vinyl	Low-E Double	Yes	0.37	0.28	N	12.673	61 1 ft () in	0 ft 0 in	HERS 2	2006	None
	7	N=>\	V 1	Vinyl	Low-E Double	Yes	0.37	0.28	N	6.3368	05 1 ft () in	0 ft 0 in	HERS 2		None
							INFILT	RATIC	N			-				-
5	Всоре	2	1	Method		SLA (CFM 50	ELA	E	qLA	ACH	1	ACH	1 50		
Ву	Spac	es	Prop	osed SL	Α 0.0	000360	1820.5	99.947	18	7.96	0.27	71	6.29	952		
							HEATING	SYS	ГЕМ					-		
$\sqrt{}$	#	Sy	/stem 7	Гуре	S	ubtype			Efficiency	у	Capaci	ty		E	Block	Ducts
	1	EI	ectric H	Heat Pur	mp N	lone			HSPF: 7.	7 2	3.1 kBt	ı/hr			1	sys#1
							COOLING	SYS	TEM				-			
/	#	Sy	stem 7	Гуре	S	ubtype		E	fficiency	Capa	city	Air	Flow Si	HR E	Block	Ducts
	1	Ce	entral L	Init	N	lone		0	EER: 13	241 1	Dtu/be	72/) cfm 0.	75	1	sys#1

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 hr
MFT-2530-EZ-476-1
40 PSF
7/18/2012
Southern Energy Homes, Inc.

					HOT W	ATER SY	STEM		19.					
V	#	System Type	SubType	Location	on EF	Ca	ар	Use	SetPnt		Con	servatio	n	-
	1 .	Electric	None	Rooms	inBlock 10.97	40 9	gal	60 gal	120 deg			None		
				S	OLAR HO	T WATER	SYST	EM						
\checkmark	FSEC				1724 A	#0.000 W		20-11-11-11-11-11-11-11-11-11-11-11-11-11	2021103	llector	Stora	ge		
	Cert #	Company Na	ame —————		System	Model #	C	ollector Mode	el# <i>F</i>	Area	Volur	ne	FEF	
	None	None								ft²				
						DUCTS								
/	#	Supp			Return —		_	Air	NAME (1888)	Percent				AC#
	*		Value Area				де Туре		r CFM 25	Leakage		RLF	Heat	Coo
-	1	Attic	6 385.6	ft Attic	-	-	=0.88	Roomsin	BI 0.0 cfm	0.00 %	0.00	0.60	1	1
					TEM	PERATU	RES							
Program	able Ther	mostat: Y			Ceiling Fan	s:								-
Cooling Heating Venting	[X] Jar [X] Jar [X] Jar	X Feb	X Mar X Mar X Mar	X Apr X Apr X Apr	X May X May X 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	XXX	ct ct ct	X Nov X Nov X Nov	XXX	Dec Dec Dec
Thermosta	t Schedul	e: HERS 200	6 Reference				Н	ours						
Schedule 1	Гуре		1	2 :	3 4	5	6	7	8	9	10	11		12
Cooling (W	(D)	AM PM	78 80	78 7 80 7	8 78 8 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	3	30 78
Cooling (W	(EH)	AM PM	78 78	78 7 78 7	8 78 8 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	7	78 78
Heating (W	(D)	AM PM	66 68	66 6 68 6	6 66 8 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	58 56
Heating (W	(EH)	AM PM	66 68	66 6 68 6	6 66 8 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	58 56

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.

FORM 405-10

Florida Code Compliance Checklist

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

ADDRESS:	PERMIT #:
Lake City, 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. 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 properties by the divided Time of two or more stages. Allowable No. Allowable No.	VB - unprotected R-3						
Ceilings/knee walls	405.2.1	R-19 space permitting. adhere to the following criteria: of Floors. Wind Velocity:	One (1) 126 MPH - Ultimate						

APPROVED BY

Fire Rating of 0 hr Ext. Walts: MFT-2530-EZ-476-1 Plan No.: Allow. Floor Load: 7/18/2012 Approval Date: 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,

	. New construction or ex			(From Plans)	 Wall Types a. Frame - Wood, Exterior 	Insulation		
2.	. Single family or multiple	le family	Sing	e-family	b. N/A	R=17.2 R=	1626.00 ft²	
3.	. Number of units, if mul	tiple family	1		c. N/A	R=	ft² ft²	
4.	. Number of Bedrooms		3		d. N/A	R=	ft²	
5.	. Is this a worst case?		No		 Ceiling Types Under Attic (Vented) 	Insulation R=38.0	Area	
6.	. Conditioned floor area	(ft²)	1928		b. N/A	R=36.0	1928.00 ft ² ft ²	
7	. Windows**	Descriptio	n	Area	c. N/A	R=	ft²	
	a. U-Factor:	Dbl, U=0.3 SHGC=0.2	37	254.91 ft ²	 Ducts Sup: Attic, Ret: Attic, AH: Room 	nsInBlock1	R ft ² 6 385.6	
	b. U-Factor:	N/A		· ft²				
	SHGC:				12. Cooling systems	kBtu/hr	F#6-1	
	c. U-Factor:	N/A		ft ²	a. Central Unit		Efficiency SEER:13.00	
	SHGC:				ar soma om	24.1	SEER. 13.00	
	d. U-Factor: SHGC:	N/A		ft²	13. Heating systems	kBtu/hr	Efficiency	
Area Weighted Average Overhang Depth:				1.000 ft.	a. Electric Heat Pump	23.1	HSPF:7.70	
	Area Weighted Average		00.000 18 0 - 200 - 200 -	0.280				
8.	Floor Types		Insulation	Area	14. Hot water systems			
	a. Crawispace These prints comply with		R=19.0	11.	a. Electric	Cap	o: 40 gallons	
	b. N/A Florida Manufactured Bo	h the C	onst. Type:	1928.00 ft² VB - unprotected	•		EF: 0.97	
	c. N/A _{Act and adopted Codes}	and A	llowable No.	R-31	b. Conservation features			
	adhere to the following of		Floors:	One (1)	None			
			find Velocity:	126 MPH - Ultimate	15. Credits	Pstat		
	APPROVED BY	F	re Rating of					
		E	xt. Walls:	0 hr				
			an No.:	MFT-2530-EZ-476-1	No. Notae that seeks the NOS Seeks (SAMSA)			
Cor n th	nstructor to but the	e above e	nergy saving	feath 8/2012 which	fficiency Code for Building will be installed (or exceeded) isplay Card will be completed	EN TON	HESTATO	
Buil	lder Signature:				Date:	OR THE		
Add	iress of New Home:				City/FL Zip:	No.		
						COL	WE TR	

*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.

		GROUND	GROUND SNOW LOAD (PSF)	DAD (PSF)	Виде
BEAM CONFIGURATION	20. PSF	30. PSF	40. PSF	50. PSF	9
(1) 1.5x5.5 LAM beam (see chart) LAM	8 ft 3 in	7 ft 2 in	6 ft 6 in	6#0in	
(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	
(1) 1.5x9.25 LAM beam (see chart) LAM	13 ft 3 in	11 ft 8 in	10 ft 9 in	9 ft 8 in	
(1) 1.5x12 LAM beam (see chart) LAM	16 ft 9 in	14 ft 9 in	13 ft 7 in	12ft 3in	
(1) 1.5x16 LAM beam (see chart) LAM	21 ft 11 in	21 ft 11 in 19 ft 4 in	17 ft 10 in	16 ft 1 in	
(1) 1.5x20 LAM beam (see chart) LAM	27 ft 0 in	23 ft 10 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	3 ft 8 in	3#3in	3 ft 2 in	2 ft 8 in	
(1) 2×8 #3 SPF	4 ft 8 in	4ft2in	4 ft 0 in	3ft5in	
(1) 2×10 #3 SPF	5 ft 9 in	5ft 1 in	4ft 11 in	4 ft 2 in	
(1) 2×12 #3 SPF	6#8in	5 ft 11 in	5 ft 8 in	4 ft 11 in	
(1) 2×6 #2 SPF	4 ft 11 in	4 ft 4 in	4 ft 2 in	3 ft 7 in	
(1) 2×8 #2 SPF	6ft3in	5ft6in	5ft 4 in	4ft 7 in	
(1) 2×10 #2 SPF	7 ft 8 in	6ft9in	6 fl 6 in	5#7in	
(1) 2×12 #2 SPF	8 ft 10 in	7 ft 10 in	7 ft 7 in	6 ft 6 in	
					0 K
These prints comply with the		Const. Type:	200	Profession	
Pronta Manutachured E		Allowable No			,38
Aci and addition		Floors	-	(1) BM	-
adhere to the tollowing criteria		Wnd Velocity	126 M	126 MPH - Ultimate	_
	Œ	Fire Rating of			
APPROVED DE	E	Ext. Walls:		0 hr	
	d	Planto	MET-2	MET.2830-EZ-478-1	-
	A	Allow, Floor Load		0 PSF	
	ر د	Approval Date:		7118/2012	
)	vanuractorer	Southern E	нөгду Нотев, пс	-
					-

APPROVED LAM BEAMS- WHEN USING GRADE LAM BEAM (SEE CHART)

2.0 MasterPlank
Murphy 2.0E 3100 Fb LVL
2.0e Microllam LVL.

ulege Mari

GENERAL NOTES:

- 1 180" MAX. UNIT.
- 2 WIND SPEED: 130 MPH MAX.
- 3 MIN, DEPTHAT CRITCAL SECTION IS MEASURED AT INSIDE FACE OF EXTERIOR WALL.
- 4 THIS DETAIL IS AFFLICABLE TO ONLY LVL BEAMS WITH AN FV=135 PSI OR BETTER.
- 5 RIDGE BEAM MUST BE IN FULL WOOD TO WOOD CONTACT WITH TOP PLATE FOR SPECIFIED BEARING LENGTH.
- 6 SEE COLUMN DESIGNS FOR MINIMUM BEARING LENGTH OR BEAM STIFFENER REQUIREMENTS.
- 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 DOUBLE BEAMS MAY BE \$7ACNED 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
TOP CHORD DEAD: 7 PSF
BOTTOM CHORD DEAD: 8 PSF
FLOOR LIVE LOAD: 0 PSF

BEAMS SUPPORT SECOND FLOOR LIVING AREA

CMH Engineering

calc. ref. CRC-60.3.R.K.K .20-2.20

1 STORY- W.O ATTIC RIDGE BEAM SPAN CHART

50. PSF

40. PSF

30. PSF

20. PSF

MEMBER QTY) FULL BEAM DEPTH

1) 1.5x5.5 LAM beam (see chart) LAM

4.51"

4.19"

3.82"

3.45" 4.44" 5.52" 6.98"

5.99"

5.52"

4.94"

14.49"

10.12"

7.18"

6.15"

11.27"

7.77"

(1) 1.5x12 LAM beam (see chart) LAM

1) 1.5x16 LAM beam (see chart) LAM

(1) 1.5x9.25 LAM beam (see chart) LAM

1) 1.5x7.25 LAM beam (see charl) LAM

(1) 1.5x20 LAM beam (see chart) LAM (1) 1.5x24 LAM beam (see chart) LAM

17.13"

16.37"

14.71"

13.22"

13.84"

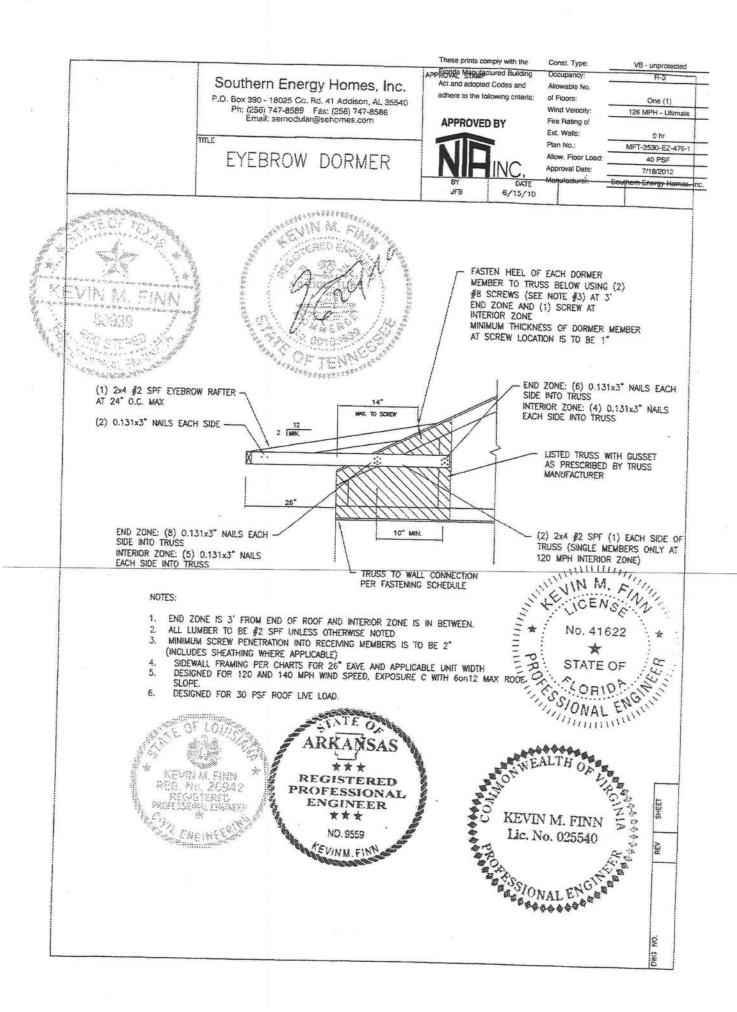
MINIMUM RIDGEBEAM DEPTH AT CRITICAL SECTION OF TAPERED RIDGEBEAM

Drawn by: jww Ver. 6.1 Date: 01/19/10

APPROVAL #:

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

	These prints comply with the	Const. Type:	B - unprotected
	APPROVAL STAMP	Occupancy:	R-3
Southern Energy Homes, Inc.	Act and adopted Codes and	Allowable No. of Floors:	One (1)
P.O. Box 390 - 18025 Co. Rd. 41 Addison, AL 35540	adhere to the following criteria:		6 MPH - Ultimate
Ph: (256) 747-8589 Fax: (256) 747-8586	APPROVED BY	Fire Rating of	
Email: semodular@sehomes.com	AFFROVED DI	Ext. Walls:	0 hr
TITLE TO LOAD			T-2530-EZ-476-1
TYPICAL	NLING	Allow, Floor Load: Approval Date:	40 PSF 7/18/2012
DORMER DETAIL	IIVC.		menergy Homes, Inc.
UP TO 120 MPH (3 SEC. GUSTS)	MDW S-1-05	-	T
01 10 120 111 (0 020 00010)	L	····	+
NOTES: 1. ALL WOOD TO BE #3 SPF OR BETTER 2x4 MIN. OR AS 2. VERTICAL SUPPORT POSTS SHALL BE SECURED TO TOP DIRECTLY BELOW WITH (2) #8x3" SCREWS. TOENAILED 3. FRONT DORMER TRUSS SHEATHING W/ HARDBOARD SID (ANY INDEX) OR EQUIV. SECURED TO ALL FRAMING W © 2-1/2" O.C. 4. REFERENCE OTHER DETAILS FOR LADDER OVERHANG CO 5. SECURE FRONT DORMER WALL TO ROOF BELOW WITH (2) #8x3" © EACH TRUSS. 6. ROOF SHEATHING TO BE CONTINUOUS THRU THIS AREA. JOINTED OVER FRONT DORMER TRUSS. 7. O.S.B. OR PLYWOOD SHEATHING TO BE 24/16 INDEX M 8. TRUSSES BENEATH DORMER CONSTRUCTION TO BE LIST 9. TOENAIL DORMER RIDGE TOGETHER WITH 0.131"x3" NAI! 10. REFER TO RC SECTION FOR TRUSS TO SIDEWALL CONN SPLICE BLOCK: 2x4x10" SPF #3 WITH (6) 0.113"x2-3/4" NAILS BLOCK END (WITH 90% PVA GLU LIEU OF GANGNAILS)(MIN.)(TYPICA WHEN SHEATHING IN INSTALLED BLOCK/GANG PLATE MAYBE OMIT END OF EACH VALLEY BOARD W/ROOF DECKING	CHORD OF TRUSS (24" O ONLY. ONLY. ING, 3/8" MIN. RATED SHE ONSTRUCTION. ROOF SHEATHING SHALL N MIN. ED FOR 10 PSF DEAD LOA LS ® 8" O.C. IECTION. MILS SPLICE BLOCK FASTENED OR (0.131"x3" NAILS) EACH DE COVERAGE)(MAY BE USED II ALL WHERE SHOWN ON DETAILS) LUNDER THE DORMER THE TED AND FASTEN THE BUTT (2) 0.131"x3" NAILS FO THE SER TOP—CHORD BELOW.	NOT BE OF STATE	120 P
VERTICAL SUPPORT ® RIDGE POLE ONLY REQUIRED WHEN TRUSS IS DIRECTLY BELOW INSTALLED ® 24" O.C. MAX. SECURE WITH (2) 0.131"x3" PD NAIL OR (3) 0.113"x2-3/4" NAILS AT TOP & PER NOTE #2 AT BOTTOM VERTICAL SUPPORT REQ'D SAME SPACING AS MAIN ROOF TRUSS BELOW. (SEE NOTE #2) SECURE WITH (2) 0.131"x3" PD NAILS OR (4) 0.113"x2-1/2" (SEE NOTE #3) OPTIONAL OVERHANG IN LIEU OF EXTENDED VALLEY MEMBER	ST IS	UD LENGTH 89" MAX EE NOTE #5 SEE NOTE #6 OPT. DESIGN OR CONNECTION OR CONNECTION PACAL MAXIMA 20 OVERHANG 13 OVERHANG NECTION PF #2 © 32" TOP-CHORDS EACH MBR.	26.2

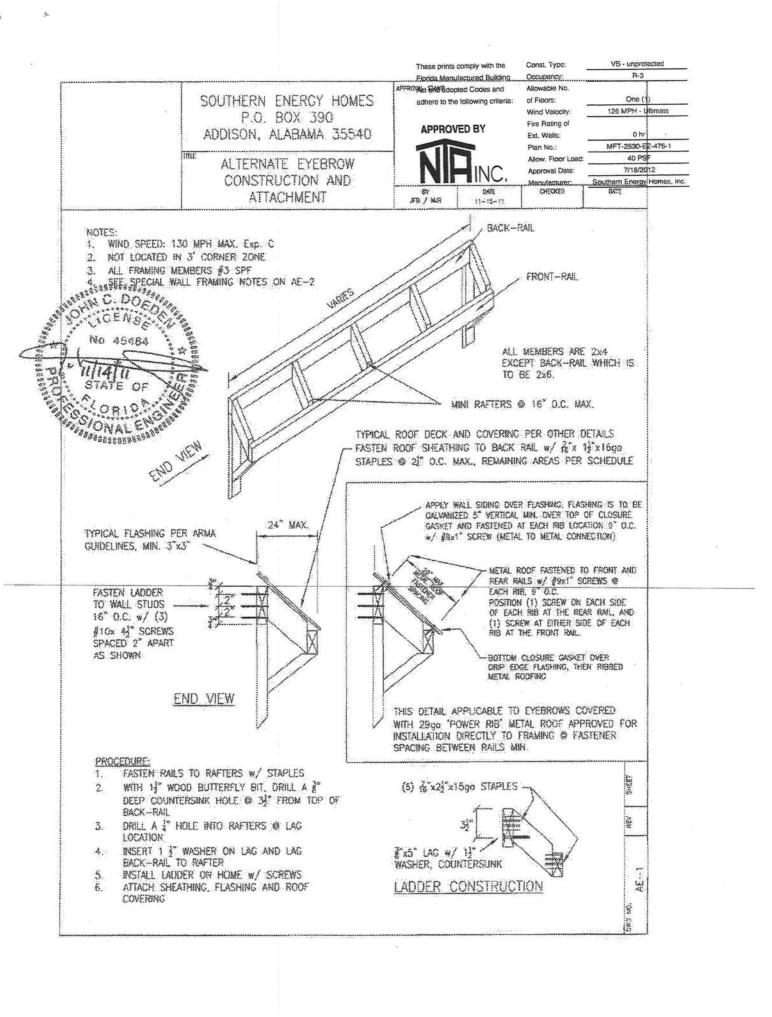


	These prints comply with the Fiorida Manufactured Building	Const. Type: Occupancy:	VB - unprotected R-3			
P	Act and adopted Codes and adhere to the following criteria:	Allowable No.	One (1)			
		Wind Velocity:	126 MPH - Ultimate	PAGE_	of _	3
JOHN C. DOEDEN	APPROVED BY	Fire Rating of Ext. Walls:	0 hr	link		
15133 County Road 22,	Gd 1 46528	Plan No.: Allow, Floor Load:	MFT-2530-EZ-476-1	17/2010	REV	
10100 00011	MIHINC.	Approval Date: Manufacturer:	7/18/2012 Southern Energy Homes. Inc.		(886)	
CALCULATION FOR .5	E. HOMES			A SUN A		w.
SUBJECT: EYE	BROW EAV	€		No.		
REFERENCE: 11	RC & AK	SCE 7_		9-66		*
					10mgh 1124 =	EXP C
and white	3,543 3,344 84		# 8 SCREE	NO TE		0-7,1
EYEBROW DORMER MEMBERS 2x4 #2 SPF MIN. © 24° 0.0	C. MAX.	14"		740894431	148.888	
	2 FARRE	BAR TO SOR				
	No.	1 00	CONT.	24	ed truss wh prescribed i ufacturieri,	M GUSSEI BY TRUSS
8.131 ×3"NM	5			11/14	IN M.	Silve .
	26*/	XIX	11/1/14	3,40	CENS	12
	- /	F		= * ! 1	lo. 41622	**************************************
	, –	1/ 1	O"MIN	P. C	*	1 = 1
1) UPLIFT @1	40 mph	TRUSS	TO WALL CONNECTION	100 ×	TATE OF	EE
1)	0ADS @ 10			. 7.505	CELLE	ichin.
		-61	Vil	=110/G	(17.35)	1111
1 Notes	ASCE 7-05	1000	, , , , , ,	= 149.	3.PSF	1
	NEGLIGI	RIE	INT.	= -65,7	(1:32)	=88:14pf
	. Barrierza		i 200	19.3 =	2.98 6	MA
Succession or on our resident was well as	LOAD C. EM	ie Lead	INT = 2X	88.7 =1	77 4 4	h
KEVIN M. FINA	KTI				, 11. L 43	177
80939		. R = 1	198.6 (報)	498*		
	A6" .		MIN 10 =	478	3,8	
T	- 6 10°	B.		Se (2)	*8X	4" PENDS
	R	- R	177.4 (柴)=	296 \$	000000	
		ATE	10 = 1	2.75	y (1) t	8×4
a) NINTE	(01207B	ARKAN	898 > 2	01 × 0	· · · · · · · · · · · ·	TAIL
2) MAIL	10-00/	A NA	7:10 4	\$ C→KΩNπ	NICH FOTOTION	人艺
	- X X I	REGISTE	RED	Ligh	VOLUMED DE	200
KEVAN M. PI REG. No. 20		ENGINE ***	ER -	A PA		3
# POPERSONAL INC	kata 19 N.	NO.9559		S. A.C.		17.00
Ell comme		FEVINM. FIR	IN SECTION OF THE PROPERTY OF	E 210	NAL EN	See.
	Man a see as	1.00000000			***	

	These prints comply with the Florida Manufactured Building	Const. Type:	VB - unprotected R-3
	Act and adopted Codes and adhere to the following criteria:	Allowable No. of Floors:	One (1)
	APPROVED BY	Wind Velocity: Fire Rating of	PAGE V S
JOHN C. DOEDEN , I		Ext. Walls:	MFT-2530-EZ-476-1
15133 County Road 22, Gos		Allow. Floor Load: Approval Date: Manufacturer:	40 PSF 12010 REV
	- 4	Wallard Co.	occurrent Energy Fromus, me.
CALCULATION FOR S	.E. Homes	***************************************	
SUBJECT: E1	BROW	***************************************	
REFERENCE:	TRC 30	SCE 7	- 36 PM

· · · · · · · · · · · · · · · · · · ·			
3) Loto e	R = A	98 (40)	0 = 1992 *
	No. NAICS :	> 199	2=15.2=> 16
***********	e File	700	>USE (2) 2x4 HORZ
2	CEND CINT = 2×4 STRFS	1184 - 9	W/ (8) MAILS EACH
4) HORZ	2×4 STRUS	se's	SIDE
	- BENDING	5 M = 1	a = 30" (498) = 14,940113
	(S) No	25-P-F=	> Fo Sx = 875(1.5)(1.6)(1.15)(2×3.06)
· KEYDOGI	- SHEAR	-> 49	= 14,780 % 14,940 (P)
Angeliji		£.=	249 = 71 ps; < 135(1.6)
	-056	7.74	3.5 (1+a) × 0.7 per IRC
	Verice (),,	. 177	3EI
	<i>[</i>		249 (30) (40) =0.279"
	ŽXXXVIII.	EMNJ.	3 (1.4 × 106) (5.36) = 29/
			1-21%
5) CONNECTU	one pivot		ALOW = 29/180> 29/215
	"= 30 (49	8) _ 14	194 CEND => 12 NAILS
	TO A		88 0 HT = 7 NAILS
TATEON		LIA	N. W. W.
ARKANSAS	5 mm	NAC ESPAINT	TOENS TOENS
REGISTERED	Z Yie N	M. FINN o. 025540	* No. 41622 *
PROFESSIONAL ENGINEER	70		STATE OF
NO. 9559	Sin	NAL ENGINE	CORION
TEVINM: FININ	*****	64669	1000
			Tallowa English

These prints com_ Florida Manufactu Act and adopted (ured Building Occupancy:	VB - unprotected R-3	
JOHN C. DOEDEN 15133 County Road 22, Good 1.	Wind Velocity: 12 BY Fire Rating of Ext. Walls: Plan No.: MF Allow. Floor Load: Approval Date:	0 hr T-2530-EZ-476-1 40 PSF 7/18 PAPTE - 06 11/20	3 of 3
CALCULATION FOR S.E. Hor		n Energy Homes. Inc.	
REFERENCE:		_	
6) SINGLE RAP - BENDING	TER MEMBER	298.4/12 (4) ¹
	25-P-F 2×4-F.	8	6)(1.15)(3.06)
DERL.	tv = 248.4140 24(3.5 D = 50 L4 384 EE =	5 (24.9 ×0.7) 384(1.4 × 10	< 135 (1.6) @ (40) 4 =0.077"
7) 120 mph wt	SIDGLE HORT		= L/S17
-85401 744 M	NG M = 30((296 ×0.735) = (296 ×0.735) =	6524 In-4 (3.06)=7390
-SHEME ARKANSAS	NEALTH OF	11/1/17	@
REGISTERED PROFESSIONAL ENGINEER	KEVIN M. FINN Lic. No. 025540	PROC.	0.41622 TATE OF
NO: 9559	SUNAL ENC.		WAL ENGINE
	· · · · · · · · · · · · · · · · · · ·		



These prints comply with the Const. Type: VB - unprotected Florida Manufactured Building Occupancy: R-3 Act and adopted Codes and HDWL_STAMP adhere to the following criteria: Allowania No of Floors: One (1) SOUTHERN ENERGY HOMES Wind Velocity: 126 MPH - Ultimate P.O. BOX 390 Fire Rating of APPROVED BY ADDISON, ALABAMA 35540 Ext. Walls: 0 hr Plan No.: MFT-2530-EZ-476-1 Allow, Floor Load BILL 40 PSF ALTERNATE EYEBROW Approval Date: 7/18/2012 Manufacturer: CONSTRUCTION AND Southern Energy Homes, Inc. DATE CHECKED ATTACHMENT UFB / MUR DATE 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 IS TO DONNECT IS CONSTRUCTED PER OTHER DETAILS, EXCEPT AS MOTED, AND MAY SE APPLIED TO SIDEWALL OR ENDMALL. 13" WINDHUM CRIPPLE LENGTH FOR SIDE OR END WALL FOR THE FASTENERS SPECIFIED. WALL STUDS AND CRIPPLES TO BE 16" O.C. MAX. HEADER H 44* MAX, ENDWALL HE CRIPPLE LENGTH 4 CRIPPLES TO BE FASTENED TO TOP PLATE AND TO A HEADER w/: (4) 7/16"x2 1/2"x15ga STAPLES (END GRAIN) or (3) 0.120 x2 1/2" MIN. NAILS (TOED) HEADER WAX. SIDEWALL HE CRIPPLE LENGTH SIDEWALL HEIGHT 108" STATE OF THE PROPERTY OF THE PARTY OF THE PA 13315 AE-2 S

	A D						PAGE_	<u>_</u> .	of <u>le</u>	-
WATCHING COMMISSION STREET, THE PARTY OF THE	C. Do	TOTAL PROPERTY OF THE PARTY OF	N 46528			JOHN C. D	OEDEN, P.	E.	£,1	***************************************
						DATE:	11/06/11	REV,		
CALCULA	TION FOR			wgga			7	=		9. 5892
SUBJECT		STAPLE LA	ATERAL RE	SISTANCE -	15		John John	115/	MASS E	Ve of
REFEREN	CE:	ESR-1539					JOHN C. FL LIC. I	BOE!	DEN PAS 5484	41,
gramma and the second		Annount of Alberta						- T		
1)	NAIL YIELD	MODE	0.072	NAILS				AON S	STATE	101
	LUMBER s.	0 =	SIDE PIEC	E O	MAIN MEM		2.20	رمو ^{یم} ا	SIONA	E [10
	LOWIDLIN 3.	Fe=		Fe=						
	WIRE DIAM	METER =		2 Fyb =						
	SIDE PLAT	Et=		FASTENE	RLENGTHP	2.5				
¥				em / Fes = Fes / Fem =	1					- Constitution
	MODE IIIs		Z =	-2 ts Fes D [ts^2/(2Res	/Kd (2Res + 1 +1)^2 + ts^2/	1) + 2FesD/ (2Res+1) +	Kd x 4M/Fes/D/(2	2Res=1	1)^.5	
			====>	141.83						
	MODE IV		Z =	4 Fem D/ k M =		I / Fem D (1 in-lbs	+ Re)) =		45.03	
		45.03				2 5 200				
	Zbase =	45.03	LBS.			where Cd :	=	OK		

APPROVED BY



Const. Type: VB - unprotected Occupancy: R-3 Allowable No. One (1) 126 MPH - Ultimate of Floors: Wind Velocity: 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.

15133 County Road	22 , Goshen , IN 46528		OHN C. DOEDEN , P.E.	assistationa
		D	ATE: 11/06/11 RE	EV
CALCULATION FOR	₹		$-\infty$	
SUBJECT:	STAPLE LATERAL	RESISTANCE - 16 G		TYTO S. YOU
REFERENCE:	ESR-1539		JOHN C.	
			1 L LIO. 13	(0, 45 4 8 4 45484
1) NAIL YI	ELD MODE 0.06	25 NAILS	67 66 9	STATE O
WIRE D	R s.g. = 0 Fe = 42 MAMETER = 0.00 LATE t = 0.3	ECE MAIN MEMBE 42 0.42 60 Fe = 4260 625 Fyb = 100000 675 FASTENER LENGTH p Fem / Fes = 1 = Fes / Fem = 1	Kd= 2.20	AND SOUNAL S
MODE	ills Z=	-2 ts Fes D/Kd (2Res + 1) [ts^2/(2Res+1)^2 + ts^2/(2	+ 2FesD/Kd x Res+1) + 4M/Fes/D/(2Re	s=1)^.5
	=====>	38.43		CAD RES
MODE	IV Z=	4 Fem D/ Kd * SQRT(M / M = 3.6 i		39.80
THEN 2 Zbase	Z = 38.43 LBS. = 38.43 LBS.	v	where Cd = 1 0	K

APPROVED BY



VB - unprotected Const. Type: 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.

Structural Designe	ers - Consultii	ng Engineers	i		JOHN C. DO	EDEN, P.E	<u>.</u>	
15133 County Road	22 , Goshen , IN	46528			ANEON	91/08/11	REV.	>
CALCULATION FOR		S.E Homes		No	Saca C	1	TAL	
SUBJECT:	# 0.375	7/16 x 1-1/2 x x LUMBER S		STAT	, Å		OEDEN, 1 0. 45484).E
REFERENCE:	NDS-		70	100 × 100	101:15	00.00		
SCREW YIELD MOD	E FOR LOADS	90	DEGREEST	SORAN	Arigha to Gra	in is Not Ap	plicable for	
					7/16 x 1-1/2 x	16 Ga. Stapte		
	SIDE PIEC		MAIN MEMBI	=K Kd=	2.20			
LUMBER s.g. =	0.42		0.42	NO-	2.20			
Fe =	3350		3350			5)		
FASTENER DIA. =	0.0625	Fyb = FASTENER L	100000 ENCTH 5 =	1.5				
SIDE PLATE !=	Re =	FAGTENER L	ENGIN P	1.0				
	Re -							
MODE is	Z=	D ts Fes / Rd	=	35.69		Rd= Kd x K	theta for D<.2	5
MODE IN	Z=	D tm Fem / Ro		107.07		Kd = 2.2	Ktheta = 1	
MODE III	Z=	k1 D ts Fes / I			where k1=	Total Control	Rt = tm/ts= 3	
MODE IIIm	Z=	k2 D tm Fem			where k2=			
MODE IIIs	Z =		(2+Re) Rd =		where k3=	1.38		
MODE IV	Z=	D^2/Rd * SQF	RT(2 Fem Fyb.)	3 (1 + Re))=	18.76		
							8.4 -1.	L

APPROVED BY

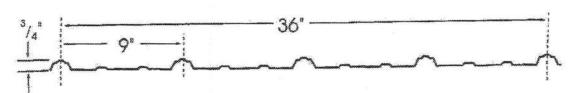


VB - unprotected Const. Type: R-3 Occupancy: Allowable No. One (1) of Floors: 126 MPH - Ultimate Wind Velocity: Fire Rating of Ext. Walls: MFT-2530-EZ-476-1 Plan No.: Allow. Floor Load: 40 PSF 7/18/2012 Approval Date: Manufacturer: Southern Energy Homes, Inc.

POWER-RIB FEATURES:

Ref. Appendex

- 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 full twenty years* making the Power-Rib™ Panel your best choice. *See terms of Warranty for specific information.



				S	ECTION PRO	PERMES				
	610000			RET	PANELT	OP IN COMP	RESSION	PANEL BO	TTOW IN CO	MPRESSIO
GAUGE	NOSE THECK (in.)	WT. (PSF)	(KSI)	COVERAGE (n.)	THE (INAML)	\$x (lint.36%.)	Ma in-kipufit.	ix (in.4%)	(m.3/R.)	Ria in-kipa/N
29	.015	0.78	88.0	36.0	.0143	.0241	8.87	.0071	.0155	0.57

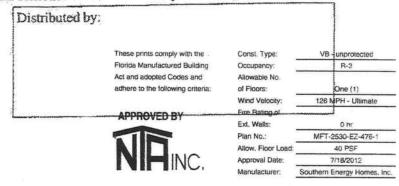
ALLOWABLE UNIFO								A					-	-			-			
GAUGE		ANIME	LOS	(STRE	23)			LIVE LOAD (STRESS)					LIVE LOAD (BEFLECTION)							
29	20	25	2 2	3.6	3.5	3.6	4	4.5	2"	2' 2.5'	3'	3.5	4,	4.5	2"	2.5'	3'	3.5	4'	4.5

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.



	Plan No.: Approve) Date: Approve)	
	- WO - SHOWING	
	APPROVED BY Fire Hashigority 126 MPH - Utimate	
	(r) and :sneet to the tributing to the (r)	ga-
	ct and adopted Codes and Allowable No.	ומון נאוני נארן
_>	These prints comply with the Const. Type: , VB - unprotected	A21 310 1
	t-7,000 - 0,000 - 0,000	
#10	15-56- 241 = S (SL'0) 15.E	LOAD & SCREWS (ED. RIB) 9"01c =
	1	
1	75(0.3) A 7 4 (12x 08) Y.O = CHOH 23H	pull over w/ 1/9" bis. who
1.	1610:0(1/2 pt) (12x 08) 1/0 = 100th 201	th1 = (9:1) +68 = a/m
	2 WOID WITCH!	
		789 25 = (2+05) = YTIMABA
	- *	SIEE = (1.61) 1 = 0401
		2) SHEET EASTENING @ PAICE
	(E.1)(8+00) MINAS	
		XXW T
	770 9	NATIERS 6
	(1)× 28.8.=	בכיות איים
	CENTE - DAY IN 33	7-3 E *V YA ()
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	Maranag I W	1140 - 1140 - 1140 - 1
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۲.,	STACING = DIST, BEI WEDM	
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		COUNTRY SAME
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1824	01:01:00	ANY EYERROW DESIGN
300	100000	C 1224 1.99010 W.A
EM:	PO BIATE OF	
GS .	TOHN C. DOEDEN, P.E.	REFERENCE IRC & ASCE-7
E M	JOHN C. DOEDEN, P. C.	
100	Cherry Bill Source	SUBJECT: EYERROW WEXPOSED RA
THE REPORT OF THE PARTY OF THE		CALCULATION FOR S.E. HIDINGS
- Ja	a condition	- T
		to the same temporary Summer parat
	DATE: IL / IA / SAIL REV	15133 County Road 22, Goshen, IN 46528
	7.7."	JOHN C. DOEDEN , P.E.

	Manufacturer: Southern Energy Homes, Inc.
	Allow, Floor Load: 40 PSF Approval Date: 7/18/2012
	Plan No. MET-SS30-E2-476-1
	Ext. Walls: 0 hr
-0) (d) / L) (a)	Administration are nationally circus.
7711 77 JA 371 =	Act and adopted Codes and Advance No. Salaries following officers: of Prodis.
0121 70 MIS	Florida Manutactured Building Occupancy: R-3 Allowable 70c.
la O I Immed City	These prints comply with the Const. Type: VB - unprotected
1 30 643702 1 112211	
1912+11-9:78 = Clie/	1
42 3/4 100 1500/	5-19-(11) HAZE 1419
7. 10 1 - 1 - Marian	-401-1211032-01
7/2 191	= 82/4615-5/2015/15/15/15/
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FLLIG, NO. 45484 TOHN C. BOLDEN, P.E., STATE OF	SEFERENCE:
TOHN G. BOEDEN, P.E.	
Cos Control and	SUBJECT:
	CALCULATION FOR
	AMARI, IN GIANARA (MET MARI, PAINAR ARIA)
DATE: ////// REV	15133 County Road 22, Goshen, IN 46528
1 "/'"/''	
1 1	JOHN C. DOEDEN, P.E.
/ /	JOHN C. DOEDEN, P.E.

PAGE

NGINEERING, Inc

Structural Designers - Consulting Engineers

15133 County Road 22, Goshen, IN 46528

SON

SCISE ALELD MODE

SIDE PIECE

02819 0.42

CPL'O

0.0135 FASTENER LENGTH p =

S3.89 LBS.

53.89 LBS.

= 98 862531480.0

= Z

= Z

= Z

=Z

=Z

= 97

EVb =

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

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

= bA\sea at Ora

= bA\me3 mt Q

= bA1884 at 0

3320

68.63

87.358

264.64 where k1=

Rd= Kd for D<.25

KG = 22

=notoe∃ .LQA

1.42 OK

133.61

16.88

170

4.91 Rt = tm/ts= 221,22222

Southern Energy Homes, Inc.

7/18/2012

±Sd 0⊅

WFT-2530-EZ-476-1

126 MPH - Ultimate

(1) auo

E-H

AB - nubcorected

Manufacturer

Approval Date:

Plan No.:

of Floors:

Fire Rating of

Wind Velocity:

.cM eldswollA

Coust Type:

Allow. Floor Load:

94.56 where k3= 273.18 where k2=

= 0 0r = nim q.8

1000001

APPROVED BY

adhere to the following criteria:

Act and adopted Codes and

Florida Manufactured Building

These prints comply with the

DyS/Kq . 2081(5 Fem Fyb / 3 (1 + Be)) =

045

WAIN MEMBER

2.20

39 GA METAL (33 ksi STEEL) SIDE PLATE

9 SCREW - CUT THREAD OR ROLLED THREAD

CALCULATION FOR

S.E. Homes

JOHN C. DOEDEN, P.E.

Fem LUMBER s.g. =

="8"]

= Z Naht

BEFERENCE:

= AIG RENET DIA =

SUBJECT:

=13TAU93012

MODE IN

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MODE IS

N 46 CO	
	PAGE 1 of 6
JOHN C. DOEDEN , P.E.	
15133 County Road 22, Goshen, IN 46528	DATE JI/14/ZJI REV
CALCULATION FOR S.E. HOMES	
	TEXES STATEMENTS
SUBJECT: EYEBROW WEXPOSED RAF	JOHN C. DOGBEN, P.E.
REFERENCE ASCE 1. [DC-1]	- FL LIC. NOS 2548STATE OF
130 Min Exp C	TABLE TO 6-3750 ME
	- 1889 March 2018 1889
MKH = 30 NOT IN CARPET 204	EL UPUFT = 56.7(1.4)
#10 x42" SCREWS INTO WALL,	(9.4 BF - 1)
+ STUDS e 16 otc (3 tous)	18131V6
\$ 5 (4) YIG 7 V KY 15GA	ASS. Me
3/825" 579805	3/8 MIN RATED &
COUNTERSONS 3	FASTENED TO BACK
	5740E3 & 21/2 * 0/2 .
	(PER SCHEWIE ELSENHERE
1x6 No.3 STF RACK RAIL	A LINET UPWET
DAGE MILL	W PRAFTER W
2×4 Ni.3 5-P-F	ω€2 = <u>[79, 4)(13</u> 3)
RATERS CI	=8,82*(1N)
74 74	
2) MOMONT IN ERLANC	GRAMT9 (20+8) (133)
7 1 10 10 10 10 10 10 10 10 10 10 10 10 1	31151,,(*)
M = 2 = 312 (44) = 25	40 m +
2×4 F.S. = 500 (15)(16)	(1115)(3104)=42314=4
	>2540 Cm
-SKEAR = Wa = 8.82(24)	= 2125
7 = 3.7 -605	431 <135 (1C) (C)
- DEFL N = Wa4 8.821	24)4 = 0.057 = 20/
8=1 8(12)	104 (5.36) /844
	Const. Type: VB - unprotected Occupancy: R-S
Act and adopted Codes and	. Allowable No
APPROVED BY	Wind Velocity: 126 MPH - Ultimate Fire Rating of
	Ext. Walls: 0 hr Pian No.: MFT-2530-EZ-476-1
NIPING	Allow. Floor Load: 40 PSF Approval Date: 7/18/2012
	Manufacturer: Southern Energy Homes, Inc.

4 . 6

PAGE 2 of 6	_
JOHN C. DOEDEN , P.E.	
JOHN C. DOEDEN , P.E. 15133 County Road 22, Goshen, IN 46528 DATE: UAN REV	
15155 County Noac 22, October, its 45020	
CALCULATION FOR S.E. HOMES	
S O S S S S S S S S S S S S S S S S S S	
SUBJECT: EYESROW NO 4545 JOHN C MOEDEN DI	_
REFERENCE: No 0548 JOHN C. DOEDEN, P.I	E.
	od000000000000000000000000000000000000
STATE OF STATE	
TO THE PROPERTY OF THE PROPERT	
3) PARISE TIGHT	
2) CINNECTORS	
BACK BLU TO CLETTON W/7/LV7/6 XISA	
DAUX DAU 10 NATION / STAPES	
- SHEAR = 227* L.R.= 45.0(3)(16)	ira sir ta a tanak
= 48 =	
NR=212/10 = 44	
148	,
- MOMENT UPLIET - SAY	Ş
8/2 - J	
P = 254010# == / 1	
N = 3.5 = 126°	.,
3/2 10 - 3256 4) 11/2 - 270 (23-1/1)	Ver
78 x3 DAG (T-E-2/2/W/) - 2/18 (8-3/10)	hrases
= 78 4 5 =	7
GRAVITY SO 3 11 (04)2/2	
7R= 3m(24)12 = 25(*	********
SHEATHHAL FASTELING 4/1/16 X16 GA. STAP	رجين
LiR. = 32.8(ILIS) = 37.	7
58001NG = 37.7(12) 1 -01/11	
256/133 - Z36=) L4 00	
2011.75 MAX	
- BACK RAK TO WHILS TVOS RALL	e
W/ *10 x5" 500001 => W/O = 45x3.50 x 1.6	
40 - 2 32 "	
These prints comply with the Const. Type: WB - unprotected	
Florida Manufactured Building Occupancy: Pr2	
Act and adopted Codes and Allowable No. adhere to the following criteria: of Floors: One-(1)	
Wind Velocity: 126 MPH - Ultimate	
Ext. Walts: 0 hr	
Plan No.: MFT-2530-EZ-476-1 Allow, Floor Load: 40 PSF	
Approval Date: 7/18/2012	
Manufacturer: Southern Energy Homes, Inc.	