

DATE: 7-10-12
FLOOR SIZE: 76'x30'
MODEL NUMBER: MTF-2530-EZ-476-1
PLAN NUMBER: MTF-2530-EZ-476-1

DRAWING: COVER SHEET
SCALE: NTS
DRAWN BY: STEVEN PHILLIPS

ENERGY HOMES
a division of Sphomes, Inc.
18025 COUNTY ROAD 41
P.O. BOX 269
ADDITION, AL 35540
PHONE: (256) 747-1544
FAX: (256) 255-3358

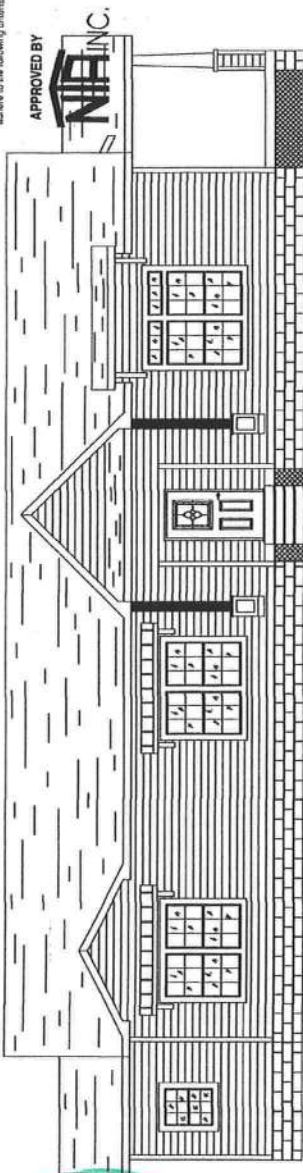
YOUR HOME
YOUR LIFE
YOUR STYLE

SHEET NO.: A0

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

Approved BY: NIA INC.

Code Compliance PLANS EXAMINER



DATE: 8-3-2012 CERT. NO. SVP-47
PLAN NUMBER: MTF-2530-EZ-476-1

FRONT OF HOME

NOTE: EXTERIOR SOFFIT IN PORCH AREA TO BE INSTALLED ON-SITE BY OTHERS.

APPROVED BY WILLIAM TEGELER



- NOTES:
1. THESE PLANS COMPLY WITH RULE 9N-3 FOR PRODUCT APPROVAL.
 2. THE RAISED SEAL SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY THE DCA.
 3. THIS BUILDING HAS NOT BEEN DESIGNED OR APPROVED FOR PLACEMENT IN HIGH VELOCITY HURRICANE ZONES (HVHZ).
 4. THIS BUILDING IS SUBJECT TO REVIEW AND APPROVAL OF THE FIRE INSPECTOR ON SITE WITH COMPLIANCE WITH CH. 633 FIRE SAFETY CODE.
 5. THE MANUFACTURER'S DATA SHEET AND STATE (DCA) INSIGNIA SHALL BE PERMANENTLY MOUNTED TO OR ABOUT THE ELECTRICAL PANEL.
 6. THIS STRUCTURE HAS BEEN DESIGNED FOR ERECTION OR INSTALLATION ON A SITE BUILT PERMANENT FOUNDATION AND IS NOT DESIGNED TO BE MOVED ONCE SO ERECTED OR INSTALLED.
 7. THE REQUIRED ADDRESS NUMBERS ARE PROVIDED AND INSTALLED ON SITE BY OTHERS.

NOTE: CONTRACTOR TO VERIFY ALL DIMENSIONS BEFORE STARTING CONSTRUCTION.

FLORIDA

DESIGN CODES	DESIGN INFORMATION
2010 FLORIDA RESIDENTIAL CODE W/2012 AMENDMENTS	SEISMIC PERFORMANCE:
2008 NEC	FLOOR: 40 PSF LIVE LOAD
	ROOF: 20 PSF LIVE LOAD
	ROOF PITCH: 6:12
	SIDEWALL HEIGHT: 108"
	CONSTRUCTION TYPE: VB
	OCCUPANCY USE GROUP:
	SINGLE FAMILY
	DESIGN WIND SPEED: 100 MPH
	ULTIMATE WIND SPEED: 126 MPH
	EXPOSURE-C
	BUILDING LOCATION: FLORIDA
	NUMBER OF STORIES: ONE (1)
	INSULATION PACKAGE (MIN.):
	FLOOR: 19
	WALLS: 19
	CEILING: 38

DESIGN CODES	DESIGN INFORMATION
2010 FLORIDA RESIDENTIAL CODE W/2012 AMENDMENTS	SEISMIC PERFORMANCE:
2008 NEC	FLOOR: 40 PSF LIVE LOAD
	ROOF: 20 PSF LIVE LOAD
	ROOF PITCH: 6:12
	SIDEWALL HEIGHT: 108"
	CONSTRUCTION TYPE: VB
	OCCUPANCY USE GROUP:
	SINGLE FAMILY
	DESIGN WIND SPEED: 100 MPH
	ULTIMATE WIND SPEED: 126 MPH
	EXPOSURE-C
	BUILDING LOCATION: FLORIDA
	NUMBER OF STORIES: ONE (1)
	INSULATION PACKAGE (MIN.):
	FLOOR: 19
	WALLS: 19
	CEILING: 38

INDEX

COVER SHEET & DESIGN CODES
A0 FLOOR PLAN
A1 ELEVATIONS (FRONT & REAR)
A2 ELEVATIONS (LEFT & RIGHT)
A3 ELECTRICAL PLAN
A3a ELECTRICAL GENERAL NOTES
A4 PLUMBING: DRAIN LINES
A4a PLUMBING: SUPPLY LINES (COLD)
A4b PLUMBING: SUPPLY LINES (HOT)
A4c PLUMBING GENERAL NOTES
A4d WATER SUPPLY AND DWV CONNECTIONS
A5 HVAC LAYOUT
A6 ON-FRAME PIER-SET FOUNDATION LAYOUT
A6a ON-FRAME CRAWL SPACE FOUNDATION LAYOUT
A6b OFF-FRAME FOUNDATION LAYOUT
A7 OPEN
A7a CROSS SECTION OFF FRAME (HINGED ROOF)
A7b OPEN
A7c CROSS SECTION ON FRAME (HINGED ROOF)
A7d CROSS SECTION GENERAL NOTES
A7e OPEN
A7f 6:12 HINGED ROOF HOME INTERCONNECTIONS
A7g OPEN
A7h OPEN
A8 OPEN

ATTACHMENTS

HVAC CALCULATIONS
ELECTRICAL LOAD CALCULATIONS
TRUSS CALCULATIONS
FLORIDA PRODUCT APPROVAL LIST
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
MICROLAM RIDGE BEAM & CLAC's
DORMER DETAILS
ALTERNATE EYEBROW CONTRUCTION

NOTE:
1. WHEN 26ga. STRAP IS CALLED FOR
IN CALCULATION, USE SIMPSON
CS-22 OR BETTER.
2. TRUSSES IN PORCH AREA TO BE DESIGNED FOR
PARTIALLY ENCLOSED OR EXPOSED STRUCTURE
OR DOUBLED IN PORCH AREA.



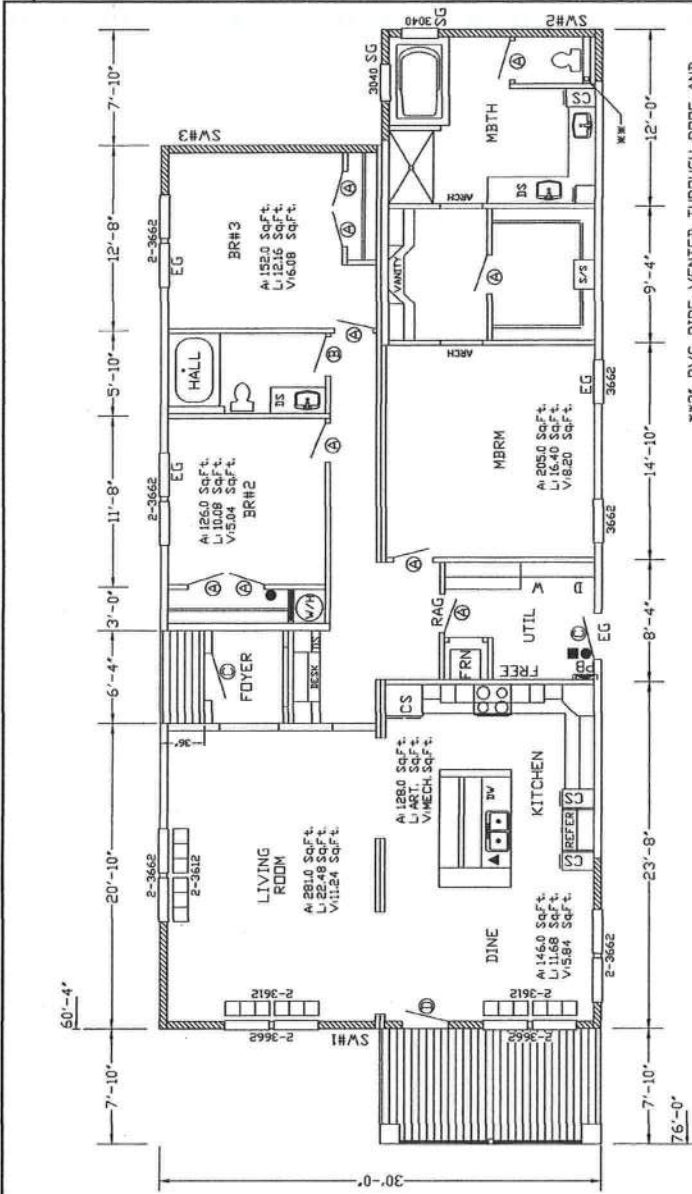
DATE:	7-10-12
FLOOR SIZE:	76'x30'
MODEL NUMBER:	MTF-2530-EZ-476-1
PLAN NUMBER:	

DRAWING:	FLOOR PLAN
SCALE:	1/8" = 1'-0"
DRAWN BY:	STEVEN PHILLIPS

ENERGY HOMES
a division of Shomex, Inc.
18025 COUNTY ROAD 41
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ADDITION, AL 35540
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FAX: (256) 255-3358

YOUR HOME
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YOUR STYLE

SHEET NO:
A1



3" PVC PIPE VENTED THROUGH ROOF AND
TERMINATED BELOW FLOOR JOIST FOR
PASSIVE RADON CONTROL PER APPENDIX-F

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

Wind Velocity:
Fire Rating of
Ex. Walls:
High Temp. Floor Loads:
Approved Date:
Manufacturer:

Const. Type:
Occupancy:
Allowable No.
of Floors:
Wind Velocity:
Fire Rating of
Ex. Walls:
High Temp. Floor Loads:
Approved Date:
Manufacturer:

APPROVED BY
NIA INC.

WINDOW SCHEDULE									
DESCRIPTION		ROUGH OPENING		LIGHT		VENT		EGRESS	
SIZE	QUAN.	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH
3612	6	12'1/4"	36'1/4"	N/A	N/A	N/A	N/A	N/A	N/A
3040	2	40'1/4"	30'1/4"	N/A	N/A	N/A	N/A	N/A	N/A
3662	14	62'1/4"	36'1/2"	12'08"	6'04"	26'3/4"	31'1/2"	37'	28'
DOOR SCHEDULE									
DESCRIPTION		ROUGH OPENING		LIGHT		VENT		EGRESS	
SIZE	QUAN.	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH
2668(30")	7	82"	32"	N/A	N/A	N/A	N/A	N/A	N/A
3068(36")	1	82"	36"	N/A	N/A	N/A	N/A	N/A	N/A
3068(36")	2	82"	36"	N/A	N/A	N/A	N/A	N/A	N/A
3068(36")	1	82"	36"	N/A	N/A	N/A	N/A	N/A	N/A

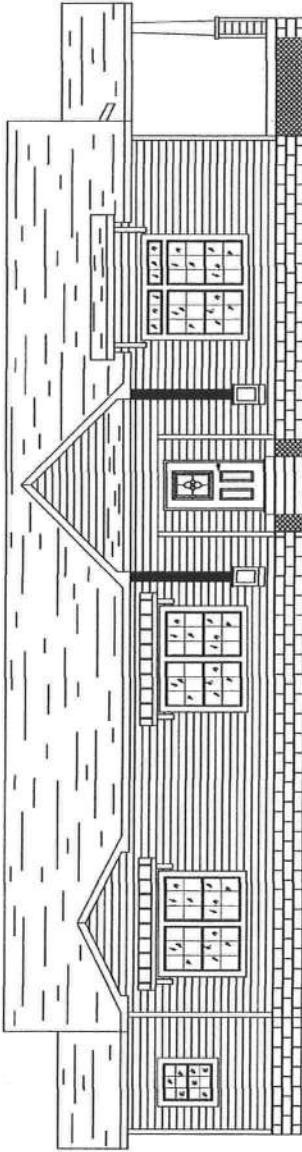
NOTES:

- ALL WINDOWS TO BE THERMOPLASTIC.
- ATTIC ACCESS OPENING 22"x30" Min.
- FLAME SPREAD: INSULATION MATERIAL SHALL HAVE A FLAME SPREAD RATING OF NOT GREATER THAN 25, WALL AND CEILING FINISHES SHALL HAVE A FLAME SPREAD RATING NOT GREATER THAN 200 AND A SMOKE DENSITY RATING NOT GREATER THAN 450 (CLASS-C). THE FLAME SPREAD REQUIREMENTS DO NOT APPLY TO TRIM OR ORNAMENTAL MATERIALS. TESTING SHALL CONFORM TO ASTM-E84.
- ALL EXHAUST FROM FANS TO BE RUN THROUGH DUCT TO THE OUTSIDE OF HOUSE AND TERMINATED IN A VENT CAP.
- IF HOME IS PLACED ON SITE WHERE ANY WINDOW SILL IS LESS THAN 24" ABOVE FINISHED FLOOR AND 72" OR GREATER ABOVE THE EXTERIOR GRADE, A WINDOW GAIRD MUST BE INSTALLED THAT COMPLIES WITH ASTM F2006 OR F2090.
- THESE PLANS MAY BE FLIPPED END TO END, FRONT TO BACK OR ROTATED 180°.
- NO FUEL BURNING APPLIANCES INSTALLED IN BUILDING.

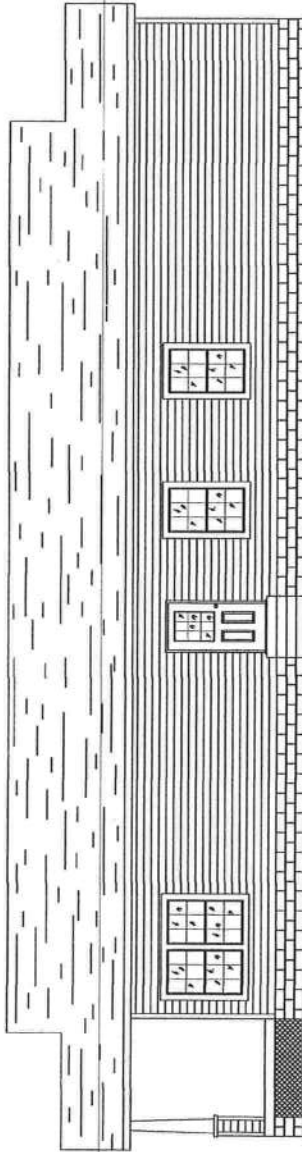
SHEARWALLS: 108" SIDEWALLS									
CATEGORY-C	MIN. LENGTH	CATEGORY-C	MIN. LENGTH	SIDE	END	CATEGORY-C	MIN. LENGTH	SIDE	END
SW#1: 631 PLF	32'	87'	SW#1: PLF			SW#2: 489 PLF	42'	75'	PLF
SW#2: 489 PLF	42'	75'	SW#2: PLF			SW#3: 489 PLF	42'	126'	PLF
SW#3: 489 PLF	42'	126'	SW#3: PLF			SW#4: N/A PLF	N/A	N/A	PLF
SW#4: N/A PLF	N/A	N/A	SW#4: PLF						

PLF CONSTRUCTION PER SW-31.3...K.E22 [119]-1, SW-31.3...K.E22 [119]-1.

ATTIC VENTILATION:
 VENTILATION REQUIRED:
 ENCLOSED ATTICS AND ENCLOSED RAFTERS
 SPACES FORMED WHERE THE CEILINGS ARE
 APPLIED DIRECTLY TO THE UNDERSIDE OF
 ROOF RAFTERS SHALL HAVE CROSS
 VENTILATION FOR EACH SEPARATE SPACE
 BY VENTILATING OPENINGS PROTECTED
 AGAINST THE ENTRANCE OF RAIN OR SNOW.
 VENTILATING OPENINGS SHALL BE PROVIDED
 WITH 1/8" MIN. TO 1/4" MAX. OPENINGS:
 MINIMUM AREA:
 THE NET FREE VENTILATION
 SHALL NOT BE LESS THAN 1 TO 150
 OF THE AREA OF THE SPACE
 VENTILATED, EXCEPT THAT THE
 AREA MAY BE 1 TO 300, PROVIDED
 AT LEAST 50% AND NOT MORE THAN
 80% OF THE REQUIRED VENTILATING
 AREA IS PROVIDED BY VENTILATORS
 LOCATED IN THE UPPER PORTION OF
 THE SPACE TO BE VENTILATED AT
 LEAST 3- FEET ABOVE EAVE OR CORNICE
 VENTS WITH THE BALANCE OF THE
 REQUIRED VENTILATION PROVIDED BY
 ALTERNATIVE, THE NET FREE CROSS-
 VENTILATION AREA MAY BE REDUCED
 TO 1 TO 300 WHEN A VAPOR BARRIER
 HAVING A TRANSMISSION RATE NOT
 EXCEEDING 1 PERM IS INSTALLED ON
 THE WARM SIDE OF CEILING.



FRONT ELEVATION



REAR ELEVATION

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

APPROVED BY
NIA INC.

Cons. Type: V5 - Uninsulated
 Occupancy: R-3
 Allowable No. of Floors: One (1)
 Wind Velocity: 120 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.

ATTIC VENTILATION REQUIREMENTS:
 1. NOT LESS THAN 1 TO 150.
 2. VENTILATION REQUIRED: 1850.54 Sq.In.
 3. TYPE OF VENTILATION PROVIDED:
 ROOF: CONTINUOUS VENTED RIDGE CAP(11.46 Sq.In./L.F.)
 EAVES: CONTINUOUS VENTED VINYL SOFFIT (14.34 Sq.In./L.F.)
 4. VENTILATION PROVIDED:
 ROOF: (44.0 L.F.) 504.24 Sq.In.
 EAVES: 1950.24 Sq.In.



ENERGY HOMES
 a division of S/Ehomes, Inc.
 18025 COUNTY ROAD 41
 P.O. BOX 269
 ADDISON, AL 35540
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 FAX: (256) 255-3358

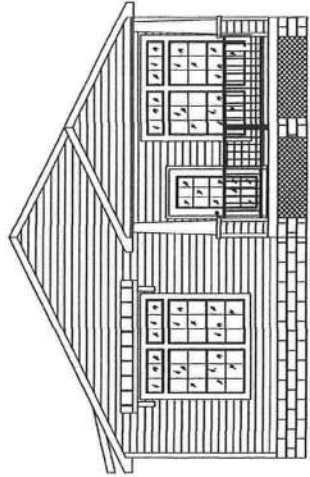
DRAWING:
 ELEVATIONS
 SCALE: 1/8" = 1'-0"
 DRAWN BY: STEVEN PHILLIPS

DATE: 7-10-12
FLOOR SIZE: 76'x30'
MODEL NUMBER: MFT-2530-EZ-476-1
PLAN NUMBER:

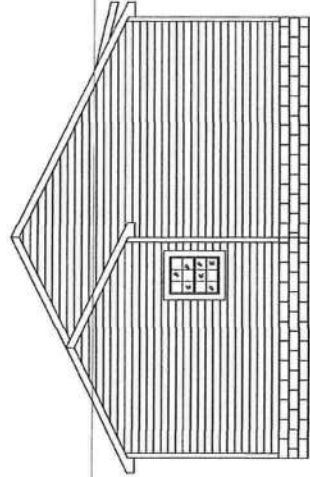
YOUR HOME
 YOUR LIFE
 YOUR STYLE

SHEET NO.:
A2

ATTIC VENTILATION:
 VENTILATION REQUIRED:
 ENCLOSED ATTICS AND ENCLOSED RAFTERS
 SPACES FORMED WHERE THE CEILINGS ARE
 APPLIED DIRECTLY TO THE UNDERSIDE OF
 ROOF RAFTERS SHALL HAVE CROSS
 VENTILATION FOR EACH SEPARATE SPACE
 BY VENTILATING OPENINGS PROTECTED
 AGAINST THE ENTRANCE OF RAIN OR SNOW.
 VENTILATING OPENINGS SHALL BE PROVIDED
 WITH CORROSION-RESISTANT WIRE MESH,
 WITH 1/8" MIN. TO 1/4" MAX. OPENINGS;
 MINIMUM AREA:
 THE NET FREE VENTILATION
 SHALL NOT BE LESS THAN 1 TO 150
 OF THE AREA OF THE SPACE
 VENTILATED, EXCEPT THAT THE
 AREA MAY BE 1 TO 300, PROVIDED
 AT LEAST 50% AND NOT MORE THAN
 80% OF THE REQUIRED VENTILATING
 AREA IS PROVIDED BY VENTILATORS
 LOCATED IN THE UPPER PORTION OF
 THE SPACE TO BE VENTILATED AT
 LEAST 3-FEET ABOVE EAVE OR CORNICE
 VENTS WITH THE BALANCE OF THE
 REQUIRED VENTILATION PROVIDED BY
 EAVE OR CORNICE VENTS. AS AN
 ALTERNATIVE, THE NET FREE CROSS-
 VENTILATION AREA MAY BE REDUCED
 TO 1 TO 300 WHEN A VAPOR BARRIER
 HAVING A TRANSMISSION RATE NOT
 EXCEEDING 1 PERM IS INSTALLED ON
 THE WARM SIDE OF CEILING.



RIGHT ELEVATION



LEFT ELEVATION

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

APPROVED BY
NA INC.

Const. Type: V5 - unenclosed
 Occupancy: R-3
 Accessible No.: One (1)
 at Floor: 100 UPM - Ultimate
 Wind Velocity: 87
 Per Rating of: 100 UPM - Ultimate
 Ex. Walls: 87
 Per No.: 100 UPM - Ultimate
 Allow. Floor Load: 40 PSF
 Approval Date: 7/18/2012
 Manufacturer: Southern Energy Homes, Inc.

ATTIC VENTILATION REQUIREMENTS:
 1. NOT LESS THAN 1 TO 150.
 2. VENTILATION REQUIRED: 1850.54 Sq.In.
 3. TYPE OF VENTILATION PROVIDED:
 ROOF: CONTINUOUS VENTED RIDGE CAP 146 Sq.In./L.F.
 EAVES: CONTINUOUS VENTED VINYL SOFFIT (14.34 Sq.In./L.F.)
 4. VENTILATION PROVIDED:
 ROOF: (44.0 L.F.) 504.24 Sq.In.
 EAVES: 1856.58 Sq.In.



ENERGY HOMES a Division of St. Homes, Inc. 18025 COUNTY ROAD 41 P.O. BOX 269 ADDISON, AL 35540 PHONE: (256) 747-1544 FAX: (256) 255-3358		YOUR STYLE YOUR HOME YOUR LIFE	SHEET NO.: A2a
DRAWING: ELEVATIONS SCALE: 1/8" = 1'-0" DRAWN BY: STEVEN PHILLIPS		MODEL NUMBER: MTF-230-02-476-1 PLAN NUMBER:	DATE: 7-10-12 FLOOR SIZE: 76'x30' MODEL:

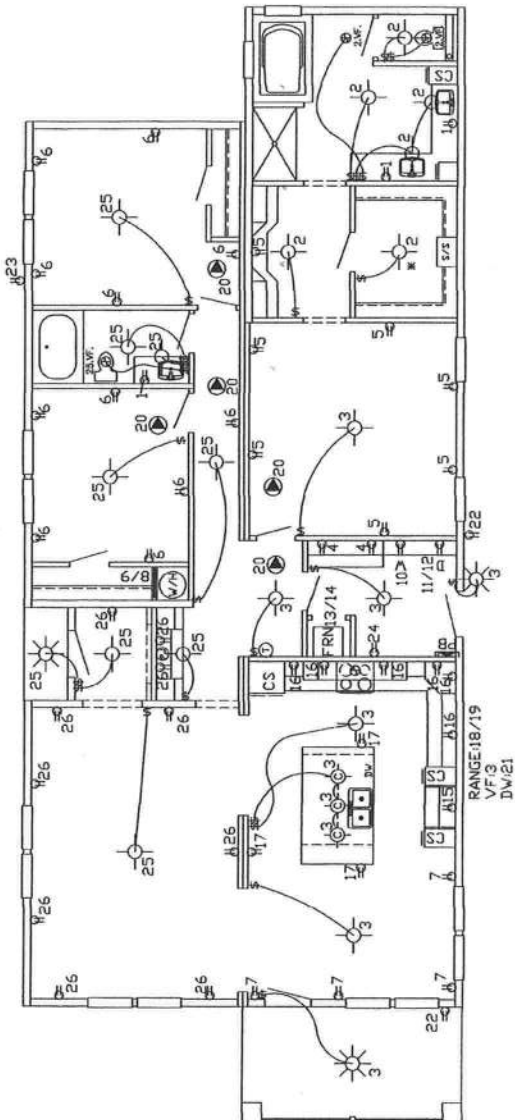
DATE:	7-10-12
FLOOR SIZE:	76'x30'
MODEL NUMBER:	MTF-2530-EZ-176-1
PLAN NUMBER:	

DRAWING:	ELECTRICAL LAYOUT
SCALE:	1/8" = 1'-0"
DRAWN BY:	STEVEN PHILLIPS

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a division of Schomies, Inc.
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YOUR HOME
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SHEET NO.:
A3



*12" MIN. TO SHELF

- NOTES:**
1. ALL 15 & 20 AMP RECEPES ARE TO BE TAMPER RESISTANT.
 2. ALL SMOKE ALARMS ARE TO BE INTERCONNECTED.
 3. ALL SMOKE ALARMS SHALL BE PROVIDED WITH BOTH PRIMARY POWER FROM THE BUILDINGS WIRING AND SECONDARY POWER FROM A BATTERY BACK-UP.
 4. MAIN BREAKER SIZE: 200 AMP.
 5. SERVICE ENTRANCE CONDUCTOR: COPPER-2/0 ALUMINUM OR COPPER CLAD ALUM.-4/0

These plans comply with the:
Florida Manufactured Building
Act and adopted Codes and
ordinances to the following extent:

APPROVED BY
NIA INC.

Consent: Type: VLB - unincorporated
Occupancy: R-3
Allowable No. of Floors: One (1)
Wind Velocity: 125 MPH - Ultimate
Fire Rating of Est. Walls: 0 hr
Plan No.: MFT-2530-EZ-176-1
Allow. Floor Load: 40 PSF
Approval Date: 7/16/2012
Manufacturer: Southern Energy Homes, Inc.

LEGEND

FLUORESCENT LIGHT

OVERHEAD GLOBE LIGHT

RECESSED CAN LIGHT

PANEL BOX

THERMOSTAT LOCATION

EXTERIOR LIGHT W/P

RECEPTACLE PLUG

\$ SWITCH

⊕ VENT FAN SYMBOL:
75 CFM VENTED TO OUTSIDE FOR BATHS
100 CFM VENTED TO OUTSIDE FOR KITCHEN

⦿ CEILING MOUNTED SMOKE ALARM

⦿ CEILING MOUNTED CARBON MONOXIDE DETECTOR

⦿ EXTERIOR FLOOD LIGHT W/P

⦿ PHONE JACK

ELECTRICAL CIRCUIT LAYOUT

2P= TWO POLE BREAKER
ITE #FE-415153 UL LISTED

CIRCUIT#	DESCRIPTION	WIRE	AMP	CIRCUIT#	DESCRIPTION	WIRE	AMP
1	RECEPS (GFCI)	12-2	20	16	SMALL APPLANCE (GFCI)	12-2	20
2	GENERAL LIGHTING (AFCI)	14-2	15	17	SMALL APPLANCE (GFCI)	12-2	20
3	GENERAL LIGHTING (AFCI)	14-2	15	18/19	RANGE	8-3	40
4	RECEPS. (GFCI).	12-2	20	20	SMOKE ALARM (AFCI)	14-3	15
5	RECEPS. (AFCI).	14-2	15	21	DISHWASHER	14-2	15
6	RECEPS. (AFCI).	14-2	15	22	EXTERIOR RECEPS (GFCI W/R)	12-2	20
7	DINE (AFCI).	14-2	15	23	EXTERIOR RECEPS (GFCI W/R)	12-2	20
8/9	WATER HEATER 2P	10-2	25	24	FREEZER	12-2	20
10	WASHER	12-2	20	25	GENERAL LIGHTING (AFCI)	14-2	15
11/12	DRYER 2P	10-3	30	26	RECEPS. (GFCI)	12-2	20
13/14	FURNACE 2P	4-4-6	60				
15	REFER(SMALL APP)	4-6	60				

LEGEND

- FLUORESCENT LIGHT \$ SWITCH
- OVERHEAD GLOBE LIGHT ⊕ VENT FAN SYMBOL:
75 CFM VENTED TO OUTSIDE FOR BATHS
100 CFM VENTED TO OUTSIDE FOR KITCHEN
- RECESSED CAN LIGHT ○
- PANEL BOX PB
- THERMOSTAT LOCATION ⊕
- EXTERIOR LIGHT W/P ☀
- PHONE JACK P-J
- RECEPTACLE PLUG ⚡
- CEILING MOUNTED SMOKE ALARM ⬆
- CEILING MOUNTED CARBON MONOXIDE DETECTOR ⬆
- EXTERIOR FLOOD LIGHT W/P ⬆

DATE:	7-10-12
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MODEL NUMBER:	MTF-2530-EZ-476-1
PLAN NUMBER:	

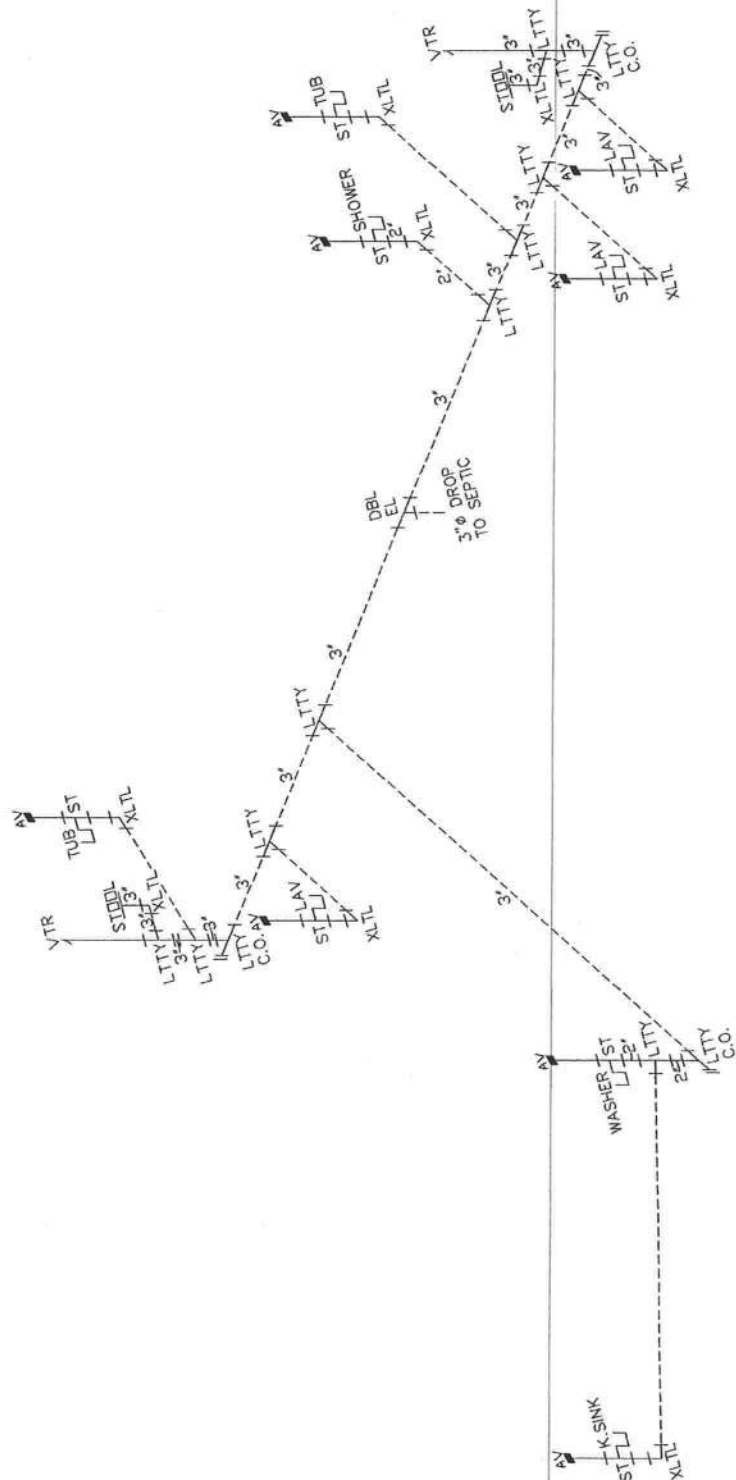
DRAWING:	PLUMBING
SCALE:	NTS
DRAWN BY:	STEVEN PHILLIPS

ENERGY HOMES
a division of Shomus, Inc.
18025 COUNTY ROAD 41
P.O. BOX 269
ADLISON, AL 35540
PHONE (256) 747-1544
FAX (256) 255-3358

YOUR HOME
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SHEET NO.:
A4

- DWV DRAIN LINE NOTES:**
1. ALL DRAIN LINE 1 1/2" Ø UNLESS NOTED.
 2. REFERENCE SHI-A4c FOR GENERAL NOTES.
 3. SHOWER AND WASHER REQUIRE 2" MIN. P-TRAP AND DRAIN.
 4. -----= FIELD INSTALLED PLUMBING.



Const. Type:	VB - unprocessed
Occupancy:	R-3
Allowable No. of Floors:	One (1)
Wind Velocity:	120 MPH - Ultimate
Ex. Walls:	0 in.
Ex. Roofs:	MTF-2530-EZ-476-1
Ex. Floor Load:	40 PSF
Approval Date:	7/10/12
Manufacturer:	Southern Energy Homes, Inc.

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

APPROVED BY
NAH INC.



SHEET NO.:
A4a

A circular seal of the American Society of Mechanical Engineers (ASME). The outer ring contains the text "AMERICAN SOCIETY OF MECHANICAL ENGINEERS". The inner ring contains the text "FOUNDED 1880". In the center, there is a signature "J. H. White" and the date "5-7-1912".

DATE: 7-10-12

FLOOR SIZE: 76x30'

MODEL NUMBER: MTF-2530-EZ-476-1

PLAN NUMBER: STEVEN PHILLIPS

DRAWING: PLUMBING GENERAL

NOTES

SCALE: NTS

DRAWN BY: STEVEN PHILLIPS

ENERGY HOMES

a division of Shomes, Inc.

18025 COUNTY ROAD 41

P.O. BOX 269

ADDITION, AL 35540

PHONE: (256) 747-1544

FAX: (256) 255-3358

YOUR HOME

YOUR LIFE

YOUR STYLE

SHEET NO.: A4C

1. ALL PLUMBING MATERIALS, DEVICES, FIXTURES, FITTING, EQUIPMENT, APPLIANCES AND ACCESSORIES INSTALLED SHALL BE LISTED OR CERTIFIED BY AN APPROVED LISTING AGENCY (NSF, IAPMO, GFI, ETC.) OR SHALL BE SPECIFICALLY APPROVED.

2. ALL VALVES, PIPES AND FITTINGS SHALL BE INSTALLED IN CORRECT RELATIONSHIP TO THE DIRECTION OF FLOW.

3. ALL PIPING, PIPE THREADS, HANGERS AND SUPPORTS WHICH ARE EXPOSED TO THE WEATHER, WATER, MUD AND/OR ROAD DAMAGE SHALL BE ADEQUATELY PROTECTED FROM DETERIORATION AND/OR DAMAGE DURING TRANSIT.

4. ALL EXTERIOR OPENINGS AROUND PIPING AND EQUIPMENT SHALL BE SEALED TO RESIST THE ENTRANCE OF RODENTS. FIRE BLOCKING SHALL BE PROVIDED AT OPENINGS AROUND VENTS, PIPES AND DUCTS AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION.

5. PLUMBING, PIPING AND ELECTRICAL WIRING SHALL NOT PASS THROUGH THE SAME HOLES IN WALLS, FLOORS OR ROOFS.

6. PLASTIC PIPING SHALL NOT BE EXPOSED TO HEAT IN EXCESS OF MANUFACTURERS RECOMMENDATION OR RADIATION FROM HEAT PRODUCING APPLIANCES.

7. TWO LAVATORIES CONNECTED WITH CONTINUOUS WASTE CONNECTED TO ONE "P" TRAP SHALL HAVE THEIR WASTE OUTLETS NOT MORE THAN 30 INCHES APART.

8. EACH "P" TRAP SHALL HAVE WATER SEAL OF NOT LESS THAN 2 INCHES AND NOT MORE 4 INCHES AND SHALL BE SET TRUE TO ITS SEAL.

9. FIXTURE TAILPIECES SHALL NOT EXCEED 24 INCHES IN LENGTH.

10. TRAP ARMS SHALL BE GRADED 1/4 INCH PER FOOT TOWARDS VENT AND SHALL NOT HAVE A SLOPE GREATER THAN ITS DIAMETER.

11. TRAPS SHALL BE ACCESSIBLE FOR REPAIR AND INSPECTION AND SHALL BE DESIGNED AND INSTALLED SO THE U BEND IS REMOVABLE.

12. CLEAN OUTS SHALL BE THE SAME NOMINAL SIZE AS THE PIPE THEY ARE CONNECTED TO UP TO 4" (102 mm). FOR PIPES LARGER THAN 4" (102 mm) NOMINAL SIZE, THE MINIMUM SIZE OF THE CLEAN OUT SHALL BE 4" (102 mm).

13. CLEAN OUTS ON 6" (153 mm) AND SMALLER PIPES SHALL BE PROVIDED WITH A CLEARANCE OF NOT LESS THAN 18" (457 mm) FOR RODDING. CLEAN OUTS ON 8" (203 mm) AND LARGER PIPES SHALL BE PROVIDED WITH A CLEARANCE OF NOT LESS THAN 36" (914 mm) FOR RODDING.

14. WATER CLOSET FLOOR FLANGE SECUREMENT TO THE FLOOR SHALL BE MADE USING CORROSION RESISTANT SCREWS AND THE TOILET SHALL BE SECURED TO THE FLANGE USING BOLTS MADE OF BRASS OR OTHER CORROSION RESISTANT MATERIAL.

15. THE WALLS OF SHOWER COMPARTMENT SHALL BE CONSTRUCTED OF SMOOTH, NON-CORROSIVE AND NONABSORBENT WATERPROOF MATERIALS TO HEIGHT NOT LESS THAN 6 FEET ABOVE BATHROOM FLOOR LEVEL. SUCH WALLS SHALL FORM A WATER TIGHT JOINT WITH EACH OTHER AND WITH THE BATHTUB, RECEPTOR OR SHOWER FLOOR.

16. CLOTHES WASHING MACHINE STANDPIPE SHALL EXTEND NOT LESS THAN 18 INCHES OR MORE THAN 42 INCHES ABOVE ITS "P" TRAP.

17. EACH PLUMBING FIXTURE AND STANDPIPE RECEPTOR SHALL BE LOCATED AND INSTALLED IN A MANNER TO BE ACCESSIBLE FOR USAGE, CLEANING, REPAIR AND REPLACEMENT.

18. FIXTURES SHALL BE SET LEVEL AND IN TRUE ALIGNMENT WITH ADJACENT WALLS AND WHERE PRACTICAL PIPING FROM FIXTURES SHALL EXTEND TO NEAREST WALL.

19. WALL HUNG FIXTURES SHALL BE RIGIDLY ATTACHED TO WALLS BY METAL BRACKETS OR SUPPORTS WITHOUT ANY STRAIN BEING TRANSMITTED TO THE PIPING CONNECTION.

20. FLUSH TANKS SHALL BE SECURELY FASTENED TO TOILETS WITH CORROSION-RESISTANT MATERIALS.

21. BATHTUB RIMS AT WALL SHALL BE SUPPORTED ON METAL HANGERS OR ON WOOD BLOCKING ATTACHED TO THE WALL UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER OF THE TUB.

22. PIPING SHALL BE INSTALLED WITHOUT UNDUE STRAIN AND STRESS WITH PROVISION FOR EXPANSION, CONTRACTION AND STRUCTURAL SETTLEMENT.

23. ABS OR PVC PIPING SHALL BE SUPPORTED AT 4 FOOT INTERVALS UNLESS OTHERWISE STATED IN THE APPLICABLE MATERIAL STANDARDS OR BY THE PIPING MANUFACTURER.

24. THE OUTLETS OF FAUCETS, SPOUTS AND SIMILAR DEVICES SHALL BE SPACED AT LEAST 1 INCH ABOVE THE FLOOD LEVEL OF THE FIXTURE.

25. FLUSH TANKS SHALL BE EQUIPPED WITH AN APPROVED OR LISTED ANTI SIPHON BALL COCK INSTALLED AND MAINTAINED WITH ITS OUTLET OR CRITICAL LEVEL MARK NOT LESS THAN 1 INCH ABOVE THE FULL OPENING OF THE OVERFLOW PIPE.

26. PIPE JOINT COMPOUNDS SHALL BE APPLIED TO MALE THREADS ONLY.

27. LINE VALVES WHICH CONTROL THE WATER FLOW TO MORE THAN ONE FIXTURE SHALL HAVE A CROSS-SECTIONAL AREA OF AT LEAST EQUAL TO THAT OF THE PIPING WHEN FULLY OPENED.

28. VENT PIPES SHALL EXTEND THROUGH THEIR FLASHING AND TERMINATE VERTICALLY NOT LESS THAN 6 INCHES (MIN.) ABOVE THE ROOF AT THE HIGHEST POINT.

29. VENT CAPS, IF APPROVED, SHALL BE OF THE REMOVABLE TYPE WITHOUT REMOVING THE FLASHING FROM THE ROOF.

30. ALL HOMES EQUIPPED WITH HOSE BIBS SHALL BE SUPPLIED WITH APPROPRIATE BACK FLOW PREVENTION DEVICES ON EACH HOSE BIB. APPROPRIATE BACK FLOW PREVENTION DEVICES SHALL INCLUDE THREADED DEVICES WHICH CONNECT THE OUTLET AS WELL AS INLINE DEVICES.

31. DIELECTRIC FITTINGS OR OTHER APPROPRIATE MATERIALS SHALL BE USED WHEN DISSIMILAR METALS ARE JOINED.

32. EACH HOME SHALL HAVE A 3 INCH MAIN VENT EXTENDING THROUGH AND TERMINATING 6 INCHES (MIN.) ABOVE THE ROOF AT THE HIGHEST POINT.

33. BRANCH TYPE VALVES SHALL COMPLY WITH ASSE 1051 OR STACK TYPE (IF USED) SHALL COMPLY WITH ASSE 1050. THEY SHALL BE INSTALLED PER THEIR INSTALLATION INSTRUCTIONS.

34. ALL SHOWERS AND CLOTHES WASHER STANDPIPES SHALL HAVE 2 INCH "P" TRAPS. CLOTHES FIXTURES WILL BE OF WATER CONSERVING TYPES PER CODE LISTINGS.

35. EXTERIOR LOAD BEARING WALL PENETRATIONS FOR PLUMBING VENTS ARE REQUIRED TO BE REINFORCED WITH 24 GAUGE STEEL ANGLE OR EQUIVALENT.

36. WATER SUPPLY LINES TO BE COPPER, POLYBUTYLENE OR CPVC.

37. WATER PIPING TO BE SUPPORTED AIRCRAFT GALVANIZED 1/2" FOOT O.C., CPVC 3 FOOT O.C.

38. A SHUT OFF VALVE IS TO BE LOCATED AT EACH FIXTURE.

39. FULL SIZED SHUT OFF VALVE TO BE LOCATED BETWEEN BUILDING AND WATER MAIN/METER.

40. WHEN A LAVATORY IS MOUNTED IN A COUNTER THE FRONT EDGE OF THE LAVATORY SHALL BE WITHIN 3 INCHES OF THE FRONT OF THE COUNTER.

41. DWV MATERIAL TO ABS OR PVC.

42. MAXIMUM TRAP TO VENT DISTANCE:

1 1/4"	5'-0"
1 1/2"	6'-0"
2"	8'-0"
3"	12'-0"
4"	16'-0"

43. ALL LAVATORIES MUST HAVE WASTE OUTLETS NOT LESS THAN 1 1/4 INCHES IN DIA..

44. ALL TUBS MUST HAVE WASTE OUTLETS NOT LESS THAN 1 1/2 INCHES IN DIA.

45. ALL SHOWER COMPARTMENTS WILL HAVE AT LEAST 90 SQ. INCHES OF FLOOR AREA AND BE OF SUFFICIENT SIZE TO INSCRIBE A CIRCLE WITH A DIAMETER NOT LESS THAN 30"

46. SINKS WILL HAVE WASTE OUTLETS NOT LESS THAN 1 1/2 INCHES IN DIAMETER.

47. A STRAINER OR A CROSS BAR SHALL BE PROVIDED IN DRAIN. A STRAINER OR A CROSS BAR SHALL BE PROVIDED AS TO RESTRICT THE CLEAR OPENING OF THE SINK WASTE OUTLET.

48. DOMESTIC FOOD-WASTE GRINDERS WILL BE CONNECTED TO DRAINS NOT LESS THAN 1 1/2 INCHES IN DIAMETER.

49. DISH WASHING MACHINES SHALL DISCHARGE INTO THE DRAINAGE SYSTEM THROUGH AN APPROVED AIR GAP FITTING.

50. THE WATER SUPPLY TO A CLOTHES WASHER SHALL BE PROTECTED AGAINST BACK FLOW BY USE OF AN AIR GAP OR BACK FLOW PREVENTER. THE WASTE FROM THE CLOTHES WASHER WILL DISCHARGE THROUGH AN AIR BREAK.

51. WATER DISTRIBUTION SYSTEM PIPES MAY BE BRASS PIPE, COPPER TUBE (TYPE "M" MIN.) GALVANIZED STEEL PIPE, POLYBUTYLENE (PB) OR CHLORINATED PLASTIC TUBING OR PIPE (PB PIPE WILL BE USED ONLY WHEN WATER TEMPERATURE DOES NOT EXCEED 180° F)

52. WATER HAMMER. THE FLOW VELOCITY OF THE WATER DISTRIBUTION SYSTEM SHALL BE CONTROLLED TO REDUCE THE POSSIBILITY OF WATER HAMMER. A WATER-HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED, UNLESS OTHERWISE APPROVED. WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. WATER-HAMMER ARRESTORS SHALL CONFORM TO ASSE/ANSI 1010.

53. ALL STORAGE HEATER TANKS WILL BE PROTECTED BY THE APPROPRIATE TEMPERATURE AND PRESSURE RELIEF VALVE APPROVED BY ASME, AGA OR I/L. THE RELIEF VALVE PIPE WILL BE METAL.

54. ALL WATER PIPING LOCATED IN CRAWL SPACES OR OTHER LOCATIONS SUBJECT TO FREEZING WILL BE PROTECTED WITH MINIMUM TWO INCHES OF INSULATION.

55. SHOWER CONTROL VALVES, SHOWER AND TUB/SHOWER COMBINATIONS SHALL BE EQUIPPED WITH CONTROL VALVES OF THE PRESSURE BALANCE, THE THERMOSTATIC MIXING OR THE COMBINATION PRESSURE BALANCE/THERMOSTATIC MIXING VALVE TYPE WITH HIGH LIMIT STOPS IN ACCORDANCE WITH ASSE/ANSI 1016. THE HIGH LIMIT STOPS SHALL BE SET TO LIMIT WATER TEMP. TO A MAXIMUM 120°F (49°C).

56. IN CONCEALED LOCATIONS WHERE PIPING IS INSTALLED THROUGH HOLES OR NOTCHES LESS THAN 1 1/2 INCHES FROM NEAREST EDGE OF MEMBER, THE PIPE SHALL BE PROTECTED BY SHIELD PLATES. THE PLATES (MIN. 1/16" STEEL) SHALL COVER THE AREA OF THE PIPE WHERE THE MEMBER IS NOTCHED OR BORED AND SHALL EXTEND A MINIMUM 2 INCHES ABOVE THE BOTTOM PLATE AND BELOW THE TOP PLATE.

57. THE PUMP SHALL BE ACCESSIBLE ON ALL WHIRLPOOL BATHTUBS.

58. THE VALVE INSIDE THE HOME FOR SILCOCK SHUTOFF SHALL BE IDENTIFIED WITH A TAG THAT IDENTIFIES THE DEVICE IT SHUTS OFF.

59. "P" TRAPS WITH CONCEALED SILENT CONNECTIONS SHALL BE PROVIDED WITH A ACCESS PANEL AT LEAST 12 INCHES IN ITS SMALLEST DIMENSION TO PROVIDE ACCESS FOR INSPECTION

Occupancy: R-3

Allowable No. of Floors: One (1)

Wind Velocity: 130 MPH - Ultimate

Fire Rating of Ext. Walls: 2 hr

Part No.: MTF-2530-EZ-476-1

Allow. Floor Load: 40 PSF

Approval Date: 7/10/2012

Manufacturer: Southern Energy Homes, Inc.

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

APPROVED BY

NTA INC.

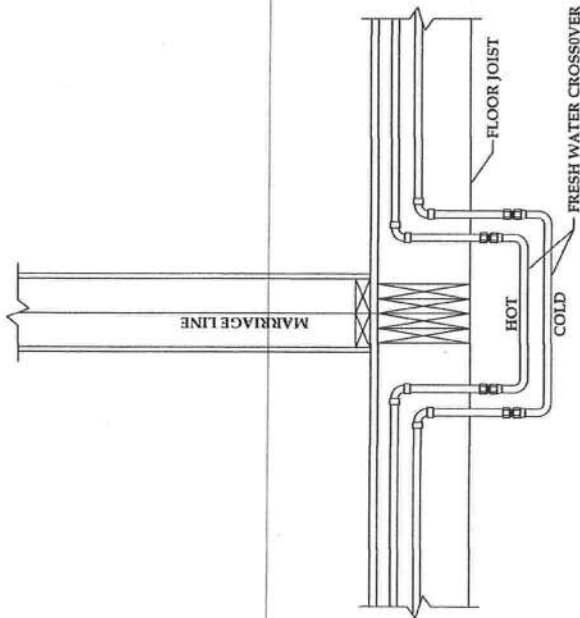
7/10/12

WATER SUPPLY CONNECTIONS

FRESH WATER CROSSOVER CONNECTION UNDER FLOOR

NOTES:

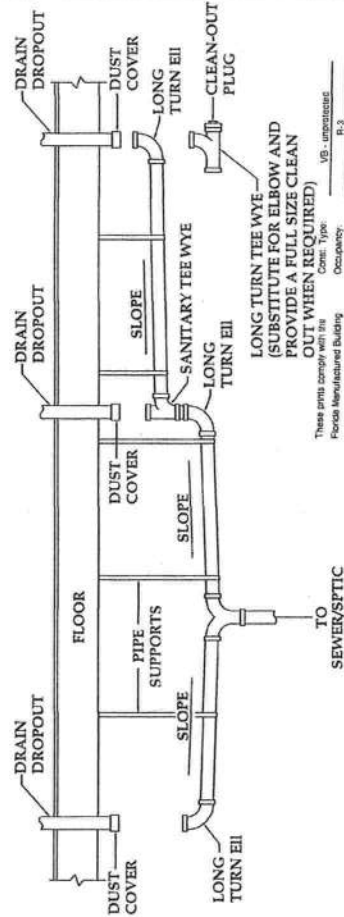
1. WATER LINES TO BE CAPPED OR PLUGGED WHEN NOT CONNECTED.
2. CONNECT WATER LINES, HOT TO HOT, COLD TO COLD. HOT WATER LINES ARE COLOR CODED FOR IDENTIFICATION.
3. TO PROTECT WATER LINES FROM FREEZING, WRAP LINE IN INSULATION (Min. R7) INSULATION. WRAP INSULATION IN PLASTIC OR SIMPLEX TO PROTECT INSULATION.
4. ALL FIELD CONNECTIONS MUST BE TESTED FOR LEAKS AFTER COMPLETION.



DWV CONNECTIONS

DRAIN, WASTE AND VENT LINE CONNECTIONS

1. REMOVE SHIPPING COVERS FROM PIPES EXTENDING THROUGH THE BOTTOM BOARD; INSPECT PIPES AND FITTINGS AND CLEAN THEM OF DIRT, OBSTRUCTIONS AND BURRS.
2. USING THE DRAIN SCHEMATIC DRAWING PROVIDED WITH THE HOME, BEGIN ASSEMBLING THE DWV SYSTEM STARTING AT THE LOCATION FARTHEST FROM THE SEWER/SEPTIC CONNECTION AND WORKING TOWARDS THE OUTLET. FASTENING THE PIPE WITH CEMENT. AS THE SYSTEM IS ASSEMBLED, SUPPORT THE PIPING WITH TEMPORARY BLOCKING. UNLESS OTHERWISE NOTED ON THE SCHEMATIC DIAGRAM, PROVIDE A MINIMUM 1/4" PER FOOT SLOPE TOWARDS THE SEWER/SEPTIC USING A PLUMBER'S LEVEL. WHERE A SLOPE OF 1/4" PER FOOT CANNOT BE MAINTAINED, USE A MINIMUM SLOPE OF 1/8" PER FOOT AND INSTALL A FULL-SIZED CLEAN-OUT AT THE UPPERMOST POINT OF THE RUN.
3. CONNECT THE MAIN DRAIN LINE TO THE SITE SEWER/SEPTIC HOOKUP.
4. INSTALL PERMANENT DRAIN LINE SUPPORTS AT A DISTANCE OF FOUR FEET O.C. OR LESS.
5. REPLACE ALL INSULATION AND MAKE SURE ALL POTENTIALLY EXPOSED PORTIONS OF THE DWV SYSTEM ARE WELL INSULATED TO PROTECT AGAINST FREEZING.
6. ALL FIELD CONNECTIONS MUST BE TESTED FOR LEAKS AFTER COMPLETION.



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

Occupancy:	UB - Manufactured
Code Type:	R-3
Allowable No. of Floors:	One (1)
Wind Velocity:	120 MPH - Ultimate
Fire Rating of Ext. Walls:	5 hr
Plan No.:	MFT-2530-EZ-476-1
Allow. Floor Load:	40 PSF
Approval Date:	7/18/2012
Manufacturer:	Southern Energy Homes, Inc.

APPROVED BY

NEA INC.

ENERGY HOMES
a division of Schemm, Inc.
18025 COUNTY ROAD 41
P.O. BOX 269
ADDITION, AL 35540
PHONE: (256) 747-1544
FAX: (256) 255-3358

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SHEET NO.:

A4d

DRAWING:	WATER SUPPLY AND DWV CONNECTIONS
SCALE:	NTS
DRAWN BY:	STEVEN PHILLIPS
DATE:	7-10-12
FLOOR SIZE:	76'x30'
MODEL NUMBER:	MTE-2530-EZ-476-1
PLAN NUMBER:	

These prints comply with the
Florida Mechanical Building
Code and all applicable codes and
ordinances.

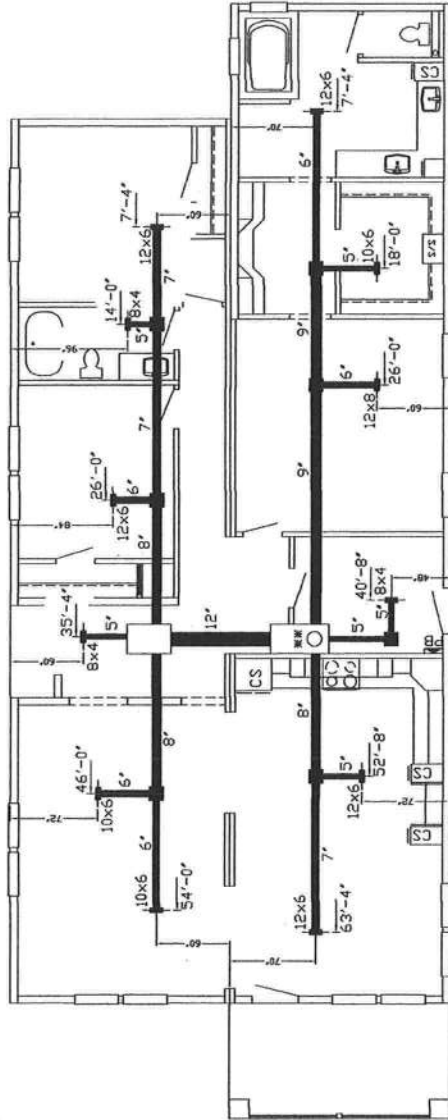
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MTI INC.

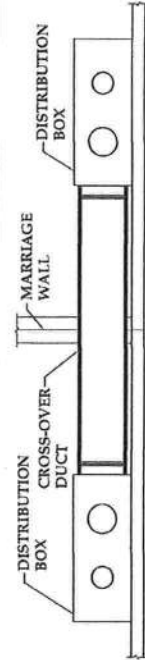
Contract Type	VS - unconditioned
Occupancy	R-3
Permit No.	000111
Project No.	000111
File No.	000111
Est. No.	000111
Plan No.	MTI-000111-000111
Allow. Floor Load	40 PSF
Approval Date	7/10/2012
Manufacturer	Southern Energy Homes, Inc.

NOTES:

1. ALL APPLIANCES ARE TO BE LISTED.
2. DIE METAL REGISTERS W/ALUM. RISER AND 3/4" FIBERGLASS REGISTER BOX (TYP).
3. ALL FLEX DUCT INSULATED R-8 (TYP).
4. CROSS OVER DUCT 12" FLEX INSULATED TO R-8 (FIELD INSTALLED).
5. PRIMARY RETURN PROVIDED BY METAL LOUVERED DOOR AT FURNACE.
6. ALL INTERIOR DOORS, EXCEPT CLOSETS AND SECONDARY BATHROOMS WILL HAVE A 24"x8" RETURN AIR GRILL PROVIDED IN THEM. THIS 24"x8" GRILL MANUFACTURED BY CARPATHIAN INDUSTRIES PROVIDES 70 Sq. Ft. OF FREE AIR WHICH WILL ACCOMMODATE A ROOM AREA UP TO 350 Sq. Ft.. ANY ROOM OR COMBINATION OF ROOMS GREATER THAN 350 Sq. Ft. WILL HAVE AN INDICATION OF "RAG" ON THE SUBMITTED FLOOR PLAN INDICATING ADDITIONAL RETURN AIR PROVISIONS SHALL BE PROVIDED.
7. WHEN A FURNACE OR AIR-HANDLER IS INSTALLED IN THE UTILITY ROOM WHICH IS PROVIDED WITH A DOOR, THE UTILITY ROOM DOOR SHALL BE PROVIDED WITH A "RAG" SATISFYING THE RETURN AIR REQUIREMENTS OF THE FURNACE/AIR-HANDLER.
8. DUCT INSULATION: ALL PORTIONS OF THE AIR DISTRIBUTION SYSTEMS SHALL BE INSULATED IN ACCORDANCE WITH SECTION M1601 AND BE INSTALLED TO AN INSTALLED R-5 WHEN THE SYSTEM COMPONENTS ARE LOCATED WITHIN THE BUILDING, BUT OUTSIDE THE OF CONDITIONED SPACE, AND R-8 WHEN LOCATED OUTSIDE OF THE BUILDING. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, AT-LEAST R-8 SHALL BE APPLIED BETWEEN THE DUCT AND THAT PORTION OF THE ASSEMBLY FURTHER FROM CONDITIONED SPACE.
9. FURNACE TO BE A NORDYNE, E3ER-Q20H.
10. PORTIONS OF THE FLOOR PLAN HAVE BEEN REMOVED FOR CLARITY.
11. AIR TO BE PROVIDED BY OTHERS.



CROSS-OVER INSTALLATION



EXACT LOCATION OF DISTRIBUTION BOXES MAY VARY FROM THIS LOCATION

1. ONE SIDE OF THE CROSS-OVER DUCT HAS BEEN INSTALLED/ATTACHED TO A DIFFUSER/DISTRIBUTION BOX AT THE FACTORY. AN ADEQUATE LENGTH OF DUCT WILL BE LOCATED ON THE ATTACHED SIDE TO COMPLETE THE CROSS-OVER PROCESS.
2. ACCESS THE CROSS-OVER PROTECTION.
3. USING THE PROVIDED PROTECTION, JOIN THE DISTRIBUTION BOXES IN EACH SECTION OF THE HOME AS SHOWN IN THE DETAIL ABOVE, CUTTING OFF ANY EXTRA DUCT LENGTH TO KEEP THE DUCT AS STRAIGHT AS POSSIBLE. THE DUCT MUST BE JOINED WITH THE PROVIDED CONNECTORS.
4. AT EACH CONNECTION POINT BETWEEN DUCTS AND DISTRIBUTION BOXES OR CONNECTORS, SECURE THE INNER LINER WITH A NYLON STRAP. APPLY MASTIC COMPLETELY OVER THE CONNECTION ARE, PULL THE DUCT INSULATION AND OUTER LINER OVER THE CONNECTION AREA AND SECURE THEM WITH A SECOND NYLON STRAP.
5. REINSTALL AND SECURE THE ACCESS PANEL.

DATE: 7-10-12	FLOOR SIZE: 76x30'	MODEL NUMBER: MTF-2530-EZ-476-1	PLAN NUMBER: STEVEN PHILLIPS
DRAWING: HVAC LAYOUT			
DRAWN BY: 1/8" = 1'-0"			
SCALE: 1/8" = 1'-0"			
DRAWN BY: STEVEN PHILLIPS			

ENERGY HOMES
a division of Stehmes, Inc.
18025 COUNTRY ROAD 41
P.O. BOX 269
ADDITION, AL 35540
PHONE: (256) 747-1544
FAX: (256) 255-3358

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SHEET NO.: **A5**

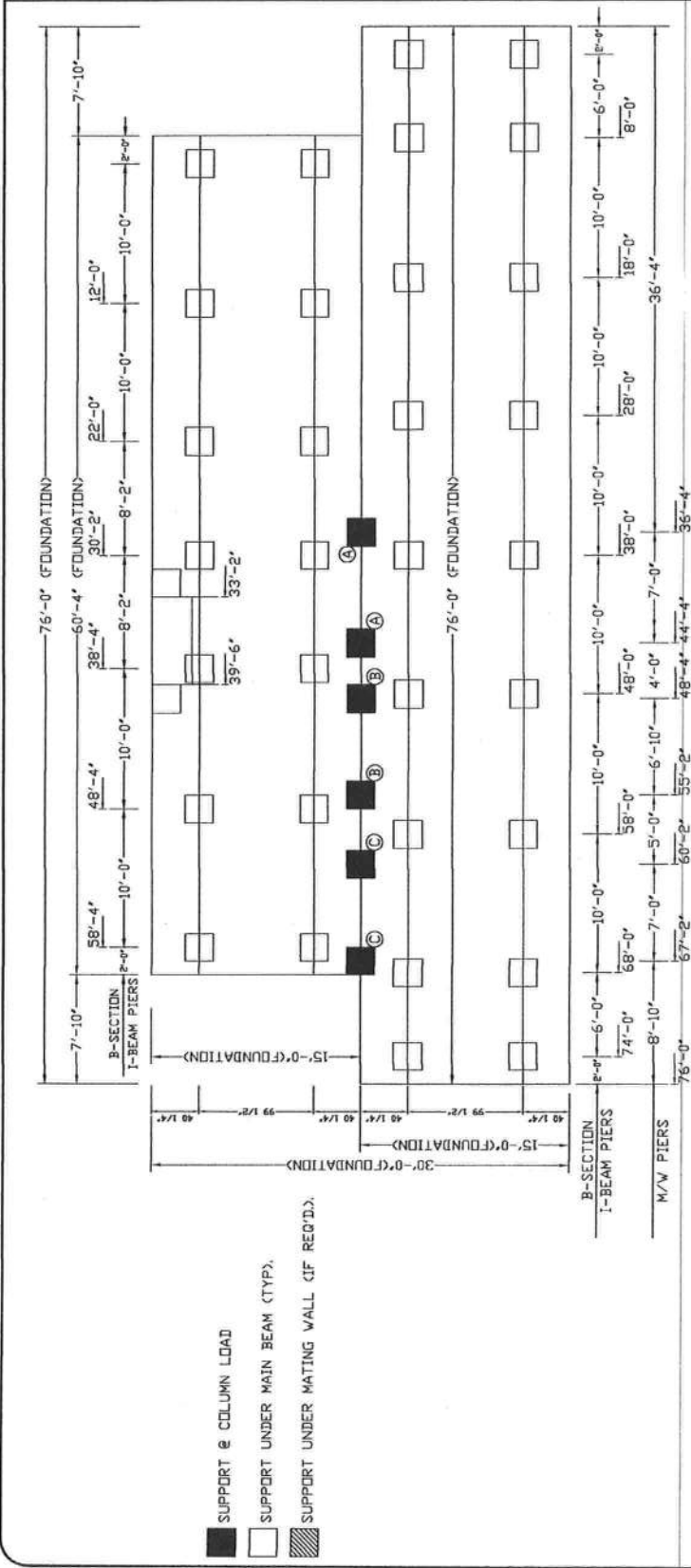
DATE:	7-10-12
FLOOR SIZE:	76'x30'
MODEL NUMBER:	MTF-2530-EZ-476-1
PLAN NUMBER:	

DRAWING:	ON-FRAME FOUNDATION PLAN
PIER SET:	
SCALE:	1/8"=1'-0"
DRAWN BY:	STEVEN PHILLIPS

ENERGY HOMES
a division of Shermans, Inc.
18025 COUNTY ROAD 41
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SHEET NO.:
A6



These prints comply with the Florida Manufactured Building Act and Shaded Copies and adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB - Unimproved
Occupancy: R-3
Allowable No. of Floors: One (1)
Wind Velocity: 120 MPH - Ultimate
Fire Rating of Ext. Wall: 0 hr
Plan No.: MTF-2530-EZ-476-1
Allow. Floor Load: 40 PSF
Approval Date: 8/9/2012
Manufacturer: Southern Energy Homes, Inc.



NOTE:
THIS IS A SUGGESTED FOUNDATION TO PROVIDE DIMENSIONAL AND LOAD INFORMATION ONLY. THE FOUNDATION MUST BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR THE EXISTING SITE CONDITIONS AND IN ACCORDANCE WITH ALL STATE AND LOCAL CODES. THE LOADS & SPACING REQUIREMENTS SHOWN ARE BASED ON THE FOLLOWING INFORMATION:
BUILDING CODE INFORMATION: IRC (2009), ASCE 7-10
BUILDING SITE INFORMATION:
MAXIMUM WIND SPEED & EXPOSURE: 100 MPH, EXPOSURE-C
MINIMUM SOIL BEARING CAPACITY: 2000
MAXIMUM GROUND SNOW(S): 20 PSF
SEISMIC DESIGN CATEGORY: C
DESIGN SPECTRAL RESPONSE (Sps): 0.50
SEISMIC SOIL SITE CLASS: D

HOMES INFORMATION:
UNIT WIDTH: 30'-0"
MAX. UNIT LENGTH: 76'-0"
ROOF PITCH: 9/12
DESIGN LOADS: 40 PSF FL. LL., 7 PSF T.C.D.L., 8 PSF B.C.D.L., 8 PSF FL. DL. & 10 PSF B.C.L.L.
MAX. SIDEWALL HEIGHT: 108" INCHES
TOTAL MATING WALL RIM JOIST BEAMS: (4) 2x8 #2 SPF
RIM JOIST SPLICES: 5'x8" MITEK M20 METAL PLATES EACH SIDE
CHASSIS BEAM: 12"x10.8pi
DESIGN TYPE: PIER SET (FRAME TIED) FOUNDATION

PIER IDENTIFICATION	KIPS.
A	2.55
B	2.24
C	2.28

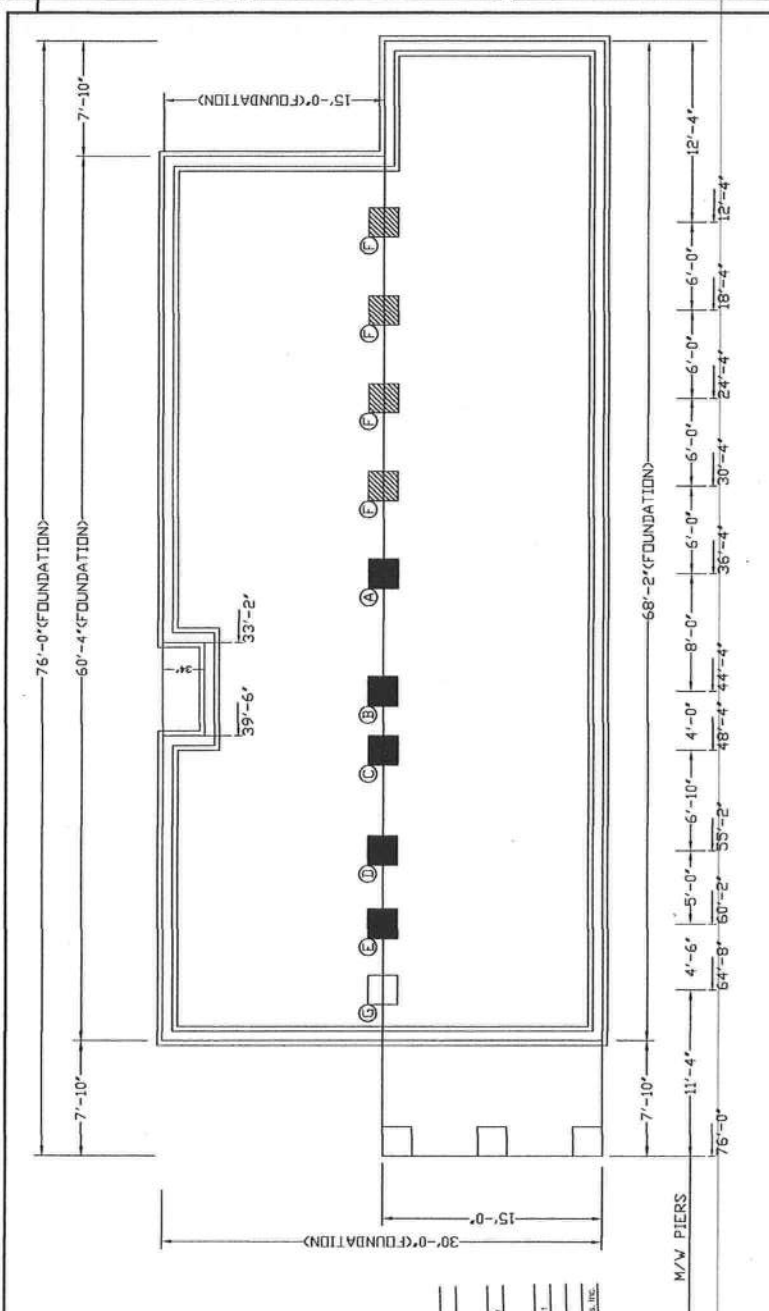
DATE:	7-10-12
FLOOR SIZE:	76'x30'
MODEL NUMBER:	MTF-2530-EZ-476-1
PLAN NUMBER:	

DRAWING:	OFF-FRAME FOUNDATION PLAN
SCALE:	1/8" = 1'-0"
DRAWN BY:	STEVEN PHILLIPS

ENERGY HOMES
a division of Stihomes, Inc.
18025 COUNTY ROAD 41
P.O. BOX 269
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FAX: (256) 253-3358

YOUR HOME
YOUR STYLE

SHEET NO.:
A6b



NOTE:
THIS IS A SUGGESTED FOUNDATION TO PROVIDE DIMENSIONAL AND LOAD INFORMATION ONLY. THE FOUNDATION MUST BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR THE EXISTING SITE CONDITIONS AND IN ACCORDANCE WITH ALL STATE AND LOCAL CODES. THE LOADS & SPACING REQUIREMENTS SHOWN ARE BASED ON THE FOLLOWING INFORMATION.

BUILDING CODE INFORMATION: IRC (2009), ASCE 7-10
BUILDING SITE INFORMATION:
MAXIMUM WIND SPEED & EXPOSURE: 100 MPH DESIGN WIND SPEED, 126 MPH ULTIMATE WIND SPEED, EXPOSURE-C
MINIMUM SOIL BEARING CAPACITY: 2000
MAXIMUM GROUND SNOW(S): 20 PSF
SEISMIC DESIGN CATEGORY: C
DESIGN SPECTRAL RESPONSE (S_{ps}): 0.50
SEISMIC SOIL SITE CLASS: D

HOMES INFORMATION:
UNIT WIDTH: 30'-0"
MAX. UNIT LENGTH: 76'-0"
ROOF PITCH: 6/12
DESIGN LOADS: 40 PSF FL. LL., 7 PSF T.C.D.L., 8 PSF B.C.D.L., 13 PSF FL. DL. & 10 PSF B.C.L.L.

MAX. SIDEWALL HEIGHT: 108 INCHES
TOTAL MATING WALL RIM JOIST BEAMS: (4) 2x10 #2 SPF
RIM JOIST SPLICES: 5"x8" MITER M20 METAL PLATES EACH SIDE
CHASSIS BEAM: 12"x10.3plf
DESIGN TYPE: OFF FRAME BASEMENT & CRAWL SPACE FOUNDATION

LEGEND:
■ SUPPORT @ COLUMN LOAD
□ SUPPORT UNDER CLEAR SPAN (IF APPLICABLE)
▨ SUPPORT UNDER MATING WALL (IF REQ'D)

PIER IDENTIFICATION	KIPS.
A	9.34
B	8.12
C	7.34
D	7.94
E	8.71
F	7.30
G	4.70

These criteria comply with the
FEMA Manufactured Building
Act and adopted Codes and
standards to the following criteria:

APPROVED BY
NIA INC.

Correl. Type: V-B, uncorrelated
Occupancy: R-3
Alternate No.:
Wind Velocity: One (1)
126 MPH - Ultimate
Wind Velocity:
Fire Rating of
Ex. Walls: 0 hr
Plan No.: MTF-2530-EZ-476-1
Allow. Floor Load: 40 PSF
Approval Date: 8/3/2012
Manufacturer: Southern Energy Homes, Inc.

DATE: 7-10-12

FLOOR SIZE: 76'x30'

MODEL NUMBER: MTF-2530-EZ-476-1

PLAN NUMBER: STEVEN PHILLIPS

DRAWING: OFF-FRAME CROSS SECTION

SCALE: NTS

DRAWN BY: STEVEN PHILLIPS

18025 COUNTY ROAD 41

P.O. BOX 269

ADDISON, AL 35540

PHONE: (256) 747-1544

FAX: (256) 255-3358

ENERGY HOMES

a division of Shomes, Inc.

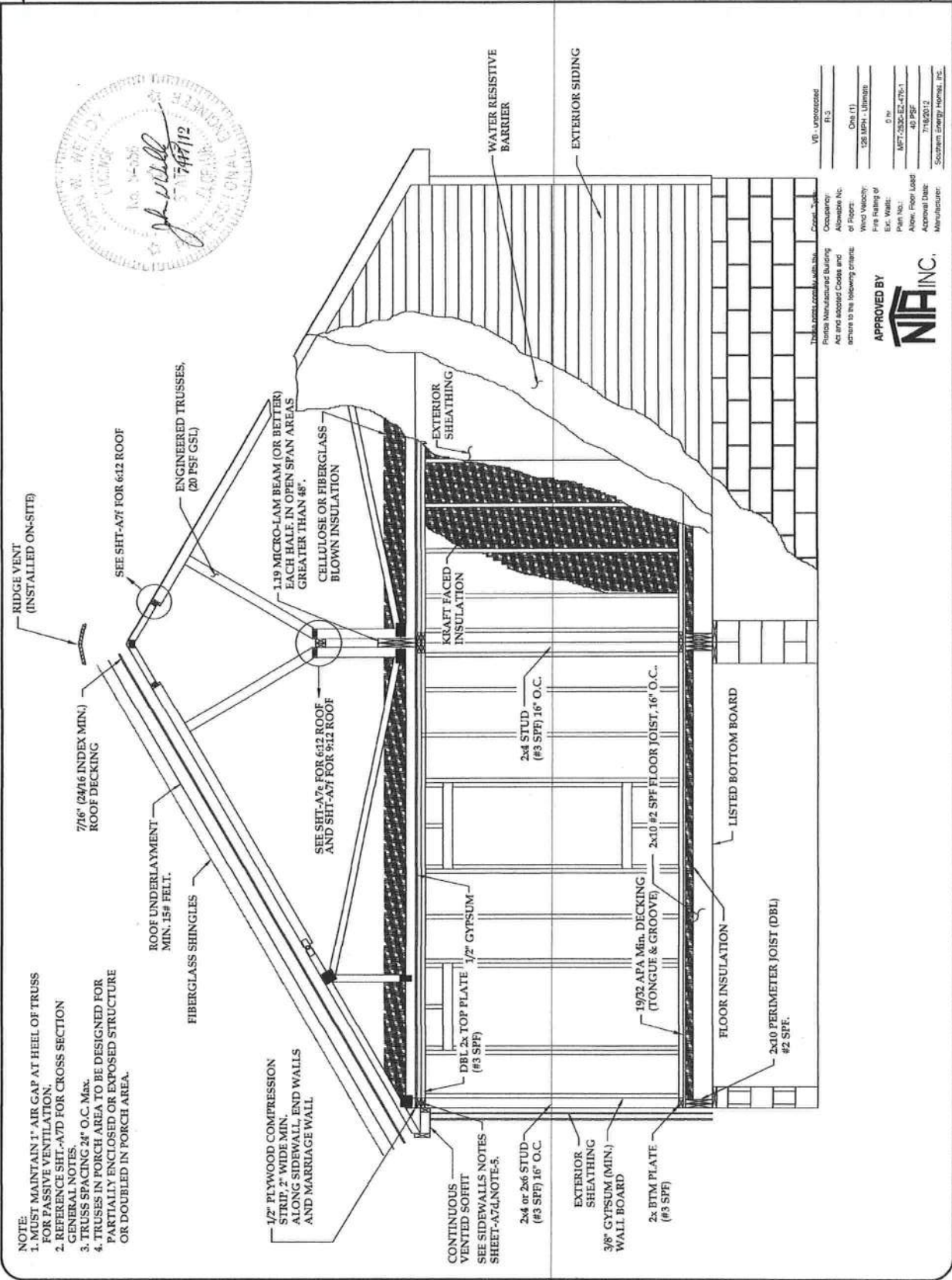
YOUR LIFE

YOUR HOME

YOUR STYLE

SHEET NO.:

A7a

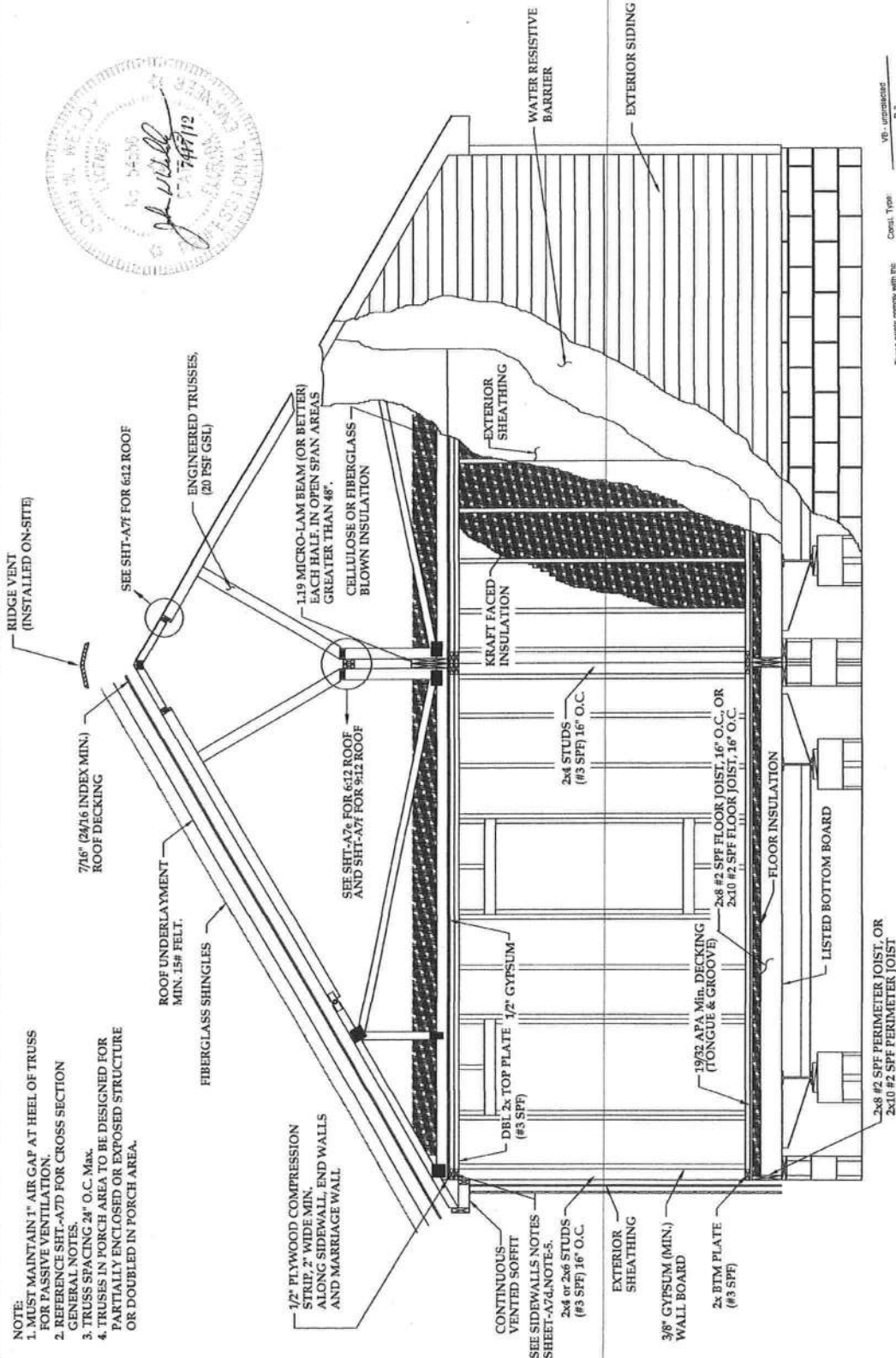


This is not a code book. It is a guide to the building codes and standards that apply to the construction of the building. It is not a substitute for the building codes and standards that apply to the construction of the building.

Approved by: NIA INC.

Occupancy: Single-Family Residential
 Allowable No. of Floors: 1
 Wind Velocity: 120 MPH - Ultimate
 Fire Rating of Ext. Walls: 0 hr
 Part No.: MFT-2530-EZ-476-1
 Allow. Floor Load: 40 PSF
 Approval Date: 7/18/2012
 Manufacturer: Southern Energy Homes, Inc.

- NOTE:
1. MUST MAINTAIN 1" AIR GAP AT HEEL OF TRUSS FOR PASSIVE VENTILATION.
 2. REFERENCE SHT-A7D FOR CROSS SECTION GENERAL NOTES.
 3. TRUSS SPACING 24" O.C. Max.
 4. TRUSSES IN PORCH AREA TO BE DESIGNED FOR PARTIALLY ENCLOSED OR EXPOSED STRUCTURE OR DOUBLED IN PORCH AREA.



These items comply with the Florida Manufactured Building Act and adopted Codes and are in full compliance with the following details:

Code Title	Code
Florida Manufactured Building Act	Chapter 626, F.S.
Approved by	7/18/2012
Approved Date	7/18/2012
Manufacturer	Southern Energy Homes, Inc.

APPROVED BY

NEA INC.

Code Title	Code
Florida Manufactured Building Act	Chapter 626, F.S.
Approved by	7/18/2012
Approved Date	7/18/2012
Manufacturer	Southern Energy Homes, Inc.

VB - Uninsulated
R-3
Duct (1)
120 MPH - Uninsulated
0 ft
MEP 2500-12-476-1
40 PSF
7/18/2012
Southern Energy Homes, Inc.

ENERGY HOMES
a division of Shomes, Inc.

18025 COUNTY ROAD 41
F.O. BOX 269
ADDITION, AL 35540
PHONE (256) 471-1544
FAX (256) 255-3358

DRAWING:
ON-FRAME
CROSS SECTION

SCALE:
NTS

DRAWN BY:
STEVEN PHILLIPS

DATE:
7-10-12
FLOOR SIZE:
76'x30'
MODEL NUMBER:
MTF-2530-EZ-476-1
PLAN NUMBER:

SHEET NO.:

A7C

YOUR HOME
YOUR LIFE
YOUR STYLE

GENERAL NOTES

1. EXTERIOR SIDING WILL COMPLY WITH ASTM D3679 AND IS LIMITED TO TYPE V CONSTRUCTION.
2. TRUSSES/RAFTERS TO BE ENGINEERED FOR THE LISTED LOADS AND APPLICATIONS USED.
3. INTERIOR PARTITIONS TO BE CONSTRUCTED TO WITHSTAND 5" PSF HORIZONTAL LOAD.
4. ALL LUMBER TO BE GRADED AND MARKED.
5. WOOD TO WOOD CONTACT AT ALL ROOF TO BEARING WALL LOCATIONS. COMPRESSION STRIP MUST BE 1/2" THE WALL PLATE WIDTH, FOR 2x4 WALL 1 3/4" MIN., FOR 2x6 WALL 2 3/4" MIN.
6. DADO AND NOTCHING ARE NOT TO OCCUR IN THE CENTER 1/3 OF THE LENGTH OF THE WALL STUDS.
7. ALL PLYWOOD USED FOR STRUCTURAL APPLICATIONS WILL COMPLY WITH PRODUCT STANDARD PS1.
8. ALL LUMBER AND PLYWOOD TWO (2) INCHES AND LESS IN THICKNESS WILL HAVE A MOISTURE CONTENT NOT EXCEEDING 19%.
9. RIM JOIST AND ANY BLOCKING TO BE #2 SPF EQUAL OR BETTER, SAME SIZE AND GRADE AS FLOOR JOIST, UNLESS NOTED OTHERWISE.
10. ONE (1) JOIST IN A GIVEN LOCATION MAY BE MOVED UP TO (3) INCHES MAX. FOR OBSTRUCTIONS (I.E. PLUMBING DROPS, HEAT REGISTERS AND PLENUM DROPS).
11. HOLES BORED IN THE JOIST SHALL HAVE A DIAMETER NOT EXCEEDING 1/3 OF THE DEPTH AND CANNOT BE WITHIN (2) INCHES OF THE TOP OR BOTTOM EDGE.
12. NOTCHES IN THE JOIST SHALL NOT EXCEED 1/6 OF THE DEPTH OF THE JOIST AND THE WIDTH OF THE NOTCH CANNOT EXCEED 1/3 OF THE DEPTH OF THE JOIST. NOTCHES SHALL NOT OCCUR IN THE CENTER 1/3 OF THE JOIST.
13. KRAFT FACH INSULATION STAPLED TO WIDE FACE OF THE STUD WITH STAPLES ALONG EACH SIDE OF BATT, WITH VAPOR BARRIER TO BE VINYL COVERING ON THE GYPSUM OR A PAINT RATED AT LESS THAN 1 PERM, ON FINISHED SHEETROCK.
14. INTERIOR FINISH:
 - a) 3/8" GYPSUM: FASTEN WITH 13ga., 1 3/8" LONG, 19/64" HEAD, 0.0980, 1 1/4" LONG, ANNU-LAR-RINGED; OR 4d COOLER NAIL, 0.080" Ø, 1 3/8" LONG, 7/32" HEAD.
 - b) 1/2" GYPSUM: FASTEN WITH 13ga., 1 3/8" LONG, 19/64" HEAD, 0.098" Ø, 1 1/4" LONG, ANNU-LAR-RINGED, OR 5d COOLER NAIL, 0.086" Ø, 1 5/8" LONG, 15/64" HEAD, OR GYPSUM BOARD NAIL, 0.086" Ø, 1 5/8" LONG, 9/32" HEAD.
 - c) SPACING
- WITHOUT ADHESIVE: SCREWS: 16" O.C., NAIL: 8" O.C.
- WITH ADHESIVE: SCREW: 24" O.C., NAIL: 16" O.C.
15. 3" x 6" x .036" GALV. STEEL PLATE WITH (6) 8d NAILS AT EACH WALL SEGMENT. REF: EW-10.0 NOTE-9 OF THE Q.C. MANUAL

SIDE WALLS:

DESIGN WIND SPEED: 100 MPH
ULTIMATE WIND SPEED: 126 MPH EXPOSURE-C

96"-SIDEWALLS:

2x4 #3 SPF STUDS, 16" O.C.
108"-SIDEWALLS:
2x4 #3 SPF STUDS, 16" O.C.



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

APPROVED BY

NTA INC.

Const. Type:
Occupancy:
Allowable No.
of Floors:
Wind Velocity
Per Rating of
B.C. Value:
Area No.
Allow. Floor Load:
Approval Date:
Manufacturer:

VE - unreinforced
R-3
One (1)
128 MPH - Ultimate
0 ft.
MIT-2000-EZ-476-1
40 PSF
8/20/12
Southern Energy Homes, Inc.

ENERGY HOMES
a division of Skhones, Inc.
18025 COUNTY ROAD 41
P.O. BOX 269
ADDITION, AL 35540
PHONE: (256) 747-1544
FAX: (256) 255-3358

DRAWING: CROSS SECTION
GENERAL NOTES
SCALE: NTS
DRAWN BY: STEVEN PHILLIPS

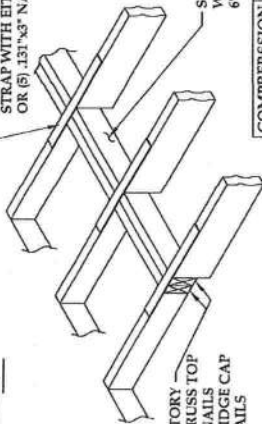
DATE: 7-10-12
FLOOR SIZE: 76'x30'
MODEL NUMBER: MTF-2530-EZ-476-1
PLAN NUMBER:

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SHEET NO.:
A7d

DETAIL-A

STRAP EACH UPPER RAFTER TO LOWER TOP CHORD WITH 26ga x 1 1/2" STEEL STRAP. FASTEN EACH END OF STRAP WITH EITHER (11) 15ga x 1" STAPLES OR (5) .131"x3" NAILS



2x4'S INSTALLED AT FACTORY - ATTACH W/ (9) 0.131"x3" NAILS ATTACH 2x4 RAIL TO RIDGE CAP TRUSS W/ (3) 0.131"x3" NAILS

SCREW TOGETHER ON-SITE W/ #8x3" SCREWS @ 6" O.C. MAX.

COMPRESSION	TENSION	SHEAR	MOMENT LOAD
250	484	159	0M

2x4 PLATE FACTORY INSTALLED TO EACH SECTION OF THE KINGPOST W/ (6) 0.131"x3" NAILS TO ENTAIL THROUGH KINGPOST INTO 2x4 PLATE (3) ON ONE SIDE, (3) ON THE OTHER) OR (13) 15ga x 2 1/2" STAPLES THROUGH 2x4 PLATE INTO KING POST OR (7) 0.131"x3" NAILS THROUGH 2x4 PLATE INTO KINGPOST.

STRAPPING REQ'D ON-SITE. STEEL STRAP FASTENED WITH (8) 7/16"x1"x15ga STAPLES OR (5) 1/2"x148" NAILS TO EACH UPPER HINGED KING POST. STEEL STRAP FACTORY INSTALLED. STEEL STRAP FASTENED WITH (8) 7/16"x1"x15ga STAPLES OR (5) 1/2"x148" NAILS TO EACH LOWER HINGED KING POST.

2x4 PLATES CONNECTED TOGETHER ON-SITE WITH: 7/16"x2 1/2"x15ga STAPLES @ 3" O.C. OR 0.131"x3" NAILS @ 5" O.C.

COMPRESSION	TENSION	SHEAR	MOMENT LOAD
453	424	213	0M

DETAIL-B

SITE INSTALLED - FASTEN RAILS TOGETHER WITH EITHER 131"x3" NAILS @ 10" O.C. OR 7/16"x2 1/2"x15ga STAPLES @ 6" O.C. STRAP EACH TOP CHORD ACROSS PEAK WITH SIMPSON LST-A24. FASTEN EACH END WITH (5) .131"x3" NAILS

FACTORY INSTALLED: FASTEN 2x4 RAIL TO EACH TRUSS CHORD WITH EITHER (6) 15ga x 2 1/2" STAPLES OR (5) .131"x3" NAILS



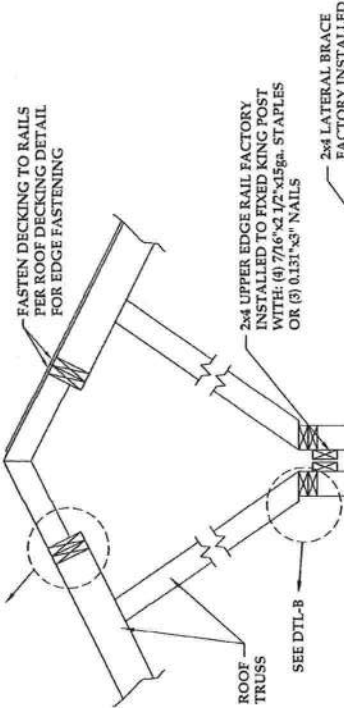
ENGINEERED TRUSS @ 16" O.C.

2x4 LATERAL BRACE FACTORY INSTALLED WITH EITHER (2) .131"x3" NAILS OR (3) 15ga x 2 1/2" STAPLES TO EACH TRUSS

NOTE: ALL CONNECTIONS TO BE MADE ON-SITE UNLESS OTHERWISE NOTED.

INSTALL RIDGE VENT PER MANUFACTURERS INSTALLATION INSTRUCTIONS. RIDGE VENT SHALL BE ASSUMED TO PROVIDE 12 Sq.ft. PER LINEAR FOOT OF VENTILATION.

FASTEN DECKING TO RAILS PER ROOF DECKING DETAIL FOR EDGE FASTENING



2x4 UPPER EDGE RAIL FACTORY INSTALLED TO FIXED KING POST WITH: (4) 7/16"x2 1/2"x15ga STAPLES OR (3) 0.131"x3" NAILS

2x4 LATERAL BRACE FACTORY INSTALLED

RIDGEBEAM FACTORY INSTALLED OR 2x4 LOWER EDGE RAIL FACTORY INSTALLED

DIAPHRAGM TENSION TRANSFER DETAIL - SITE INSTALL CS14x40" STRAP ACROSS TOP PLATE W/ (8) .131"x3" NAILS

Cover Type	15" x 15" x 1/2"
Occupancy	15-3
Allowable No. of Floors	128
Wind Velocity	128 MPH - Ultimate
Fire Rating of Ex. Walls	15" x 15" x 1/2"
Plan No.	MFT-2530-EZ-176-1
Allow. Floor Load	40 PSF
Approval Date	7/15/2011
Manufacturer	Steel Decking Systems, Inc.

APPROVED BY NIA INC.

MARRIAGE WALL GASKET FACTORY INSTALLED AROUND THE ENTIRE MARRIAGE WALL TO PREVENT AIR INFILTRATION

FLOOR CONNECTION: SITE INSTALL 1/2" BOLTS AND WASHERS OR 3/8"x5" LAG SCREWS @ 16" O.C. THRU RIM JOIST. MUST PENETRATE 1 1/2" MINIMUM INTO ADJACENT SECTION RIM JOIST.

MARRIAGE WALL CONNECTION: FASTEN JOINING WALLS (MATE OR ENDWALL) AND INTERIOR COLUMNS WITH TOE-SCREWED #10 x 1/2" WOOD SCREWS STAGGERED @ 8" O.C. WITH MINIMUM 1 1/2" PENETRATION INTO SECOND STUD.

DATE:	7-10-12
FLOOR SIZE:	76'x30'
MODEL NUMBER:	MTF-2530-EZ-476-1
PLAN NUMBER:	

DRAWING:	6:12 HINGE ROOF HOME INTERCONNECTIONS
SCALE:	NTS
DRAWN BY:	STEVEN PHILLIPS

ENERGY HOMES
a division of Schomay, Inc.
18025 COUNTY ROAD 41
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A7f