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Revised

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July 16, 2021

Ironwood Mobile Homes

Contact: Lisa Paul

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familyhomecenter136@yahoo.com

**re: FHA FOUNDATION DESIGN – 269 SW BOBWHITE GLEN, FORT WHITE, FL  
DONALD DAVIES**

I have reviewed the foundation plan and installation data of the above referenced property and find that the pier spacing and longitudinal tie-down locations and spacing, along with the other requirements, are in conformance with FBC 2020, 7<sup>th</sup> Edition for modular home installation.

The home is to be installed in a non-flood plain designated area, a minimum of 1,000 p.s.f. soil bearing and in accordance with the State of Florida 15C-1 regulations. The following onsite requirements are mandatory in addition to the manufacturer's installation instructions and the State of Florida 15C-1 regulations:

1. The stacked concrete block piers shall be stacked on approved ABS plastic pads per attached plan.
2. Structural skirting shall be installed after the foundation construction is completed.
3. Non-structural members such as axels, wheels, hitches and tongues shall be removed from the structure.

Should you have any questions, please don't hesitate to contact me.

Respectfully,

Carol Chadwick, P.E.



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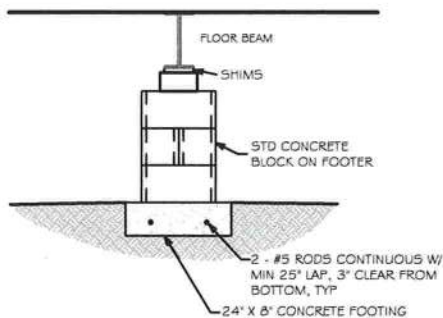
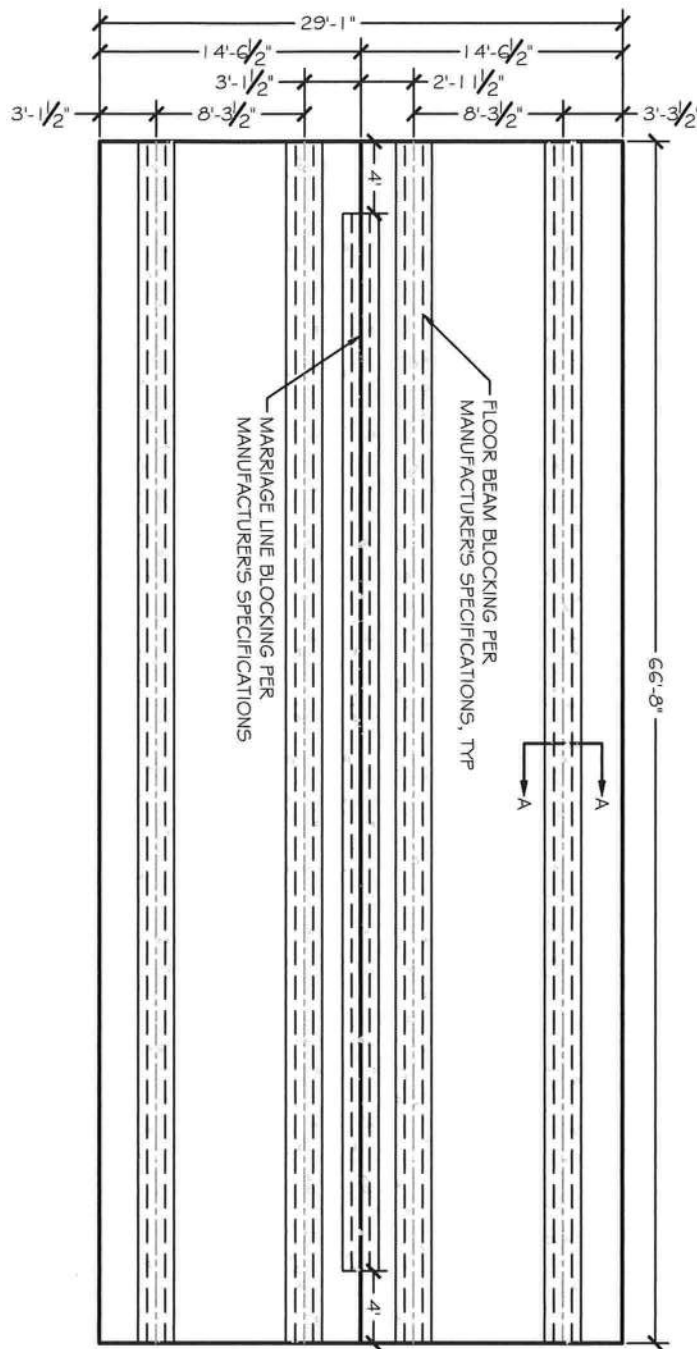
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CONCRETE FOOTING DETAIL A-A

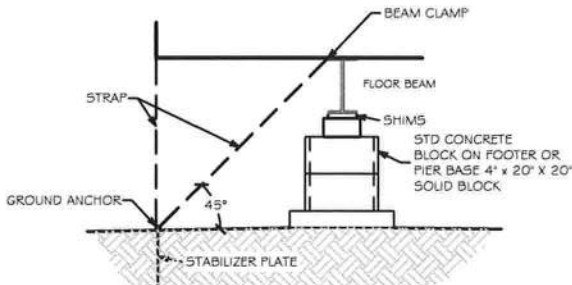
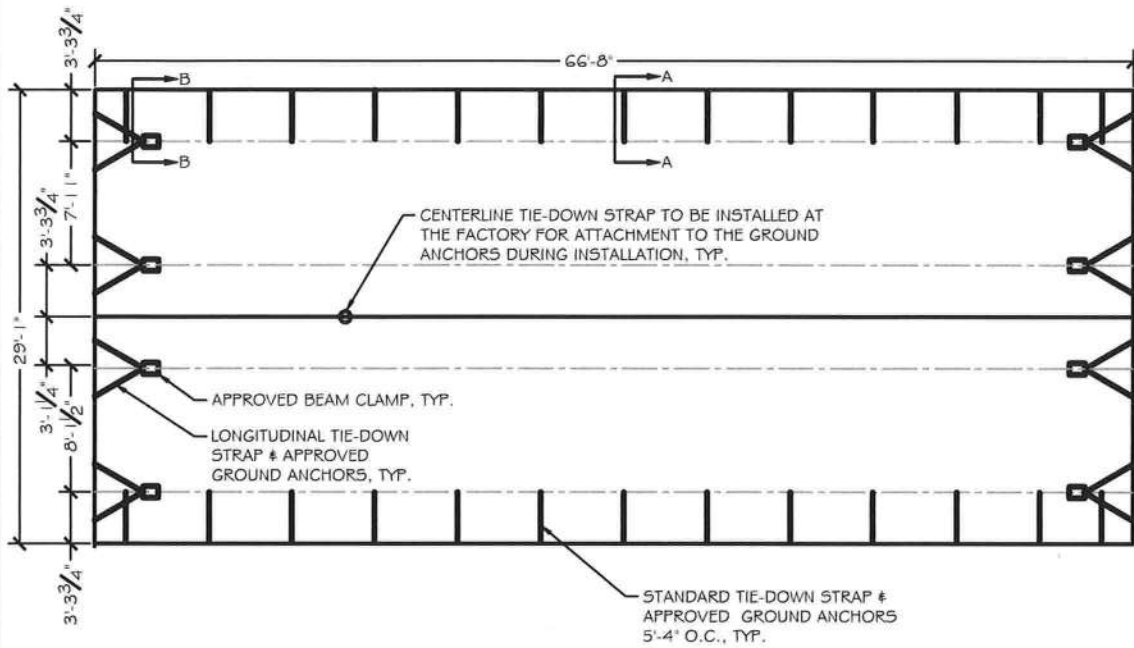
NOTE:  
SOIL UNDER FOOTING SHALL BE COMPRESSED TO 2000  
PSF AT 95% DENSITY. CONCRETE STRENGTH SHALL BE  
2500 PSI

GENERAL NOTES:  
1. CONTRACTOR TO VERIFY ALL  
MEASUREMENTS PRIOR TO  
CONSTRUCTION.

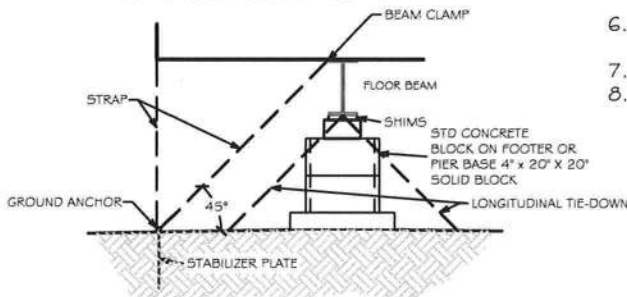


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J. CHADWICK No. 82560 STATE OF FLORIDA PROFESSIONAL ENGINEER	
PREPARED FOR: DONALD & SANDRA DAVIES 269 SW BOBWHITE GLEN FORT WHITE, FL BUILDER: IRONWOOD HOMES CONTACT: LARRY MARTIN 386.754.8844	
<b>MODULAR HOME FOOTING PLAN</b> <b>269 SW BOBWHITE GLEN</b> <b>FORT WHITE, FL</b>	
PROJECT NO. FL21159	DATE JULY 16, 2021
SHEET 1 OF 1	SHEETS 1 OF 1
REVISION DESCRIPTION DATE	



TIE-DOWN DETAIL A-A



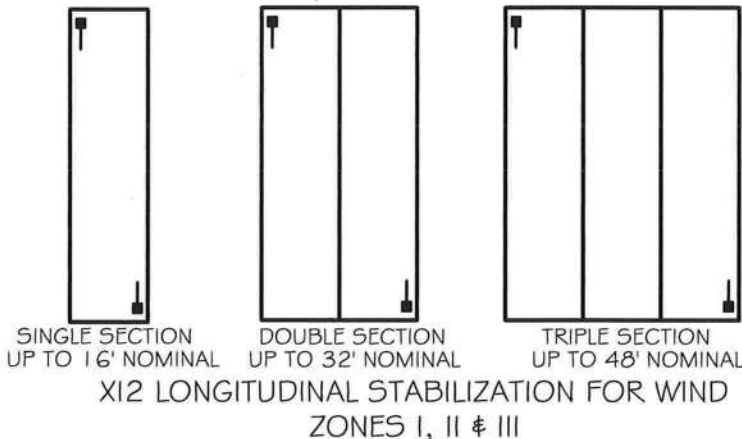
TIE-DOWN DETAIL B-B

GENERAL NOTES:

1. MAXIMUM PIER SPACING IS 8'-0" O.C.
2. ABS PADS TO BE 20"x20" FOR MINIMUM 1,000 P.S.F. SOIL BEARING.
3. FOUR (4) END STRAPS PER SECTION OR TWO (2) LONGITUDINAL STABILIZATION DEVICES PER SECTION FOR LENGTH UP TO 52' OR THREE (3) PER SECTION FOR LENGTHS > 52'. (SEE XI2 LONGITUDINAL STABILIZATION DESIGN THIS PAGE OR APPROVED EQUAL)
4. TRIPLE SECTION HOMES IN WIND ZONES II & III REQUIRE AN ADDITIONAL LONGITUDINAL SYSTEM.
5. INSTALL PERIMETER PIERS PER MANUFACTURER'S SPECIFICATIONS, IF REQUIRED.
6. STRUCTURAL SKIRTING MUST BE INSTALLED AND APPROVED BY ENGINEER.
7. MANUFACTURER: CAVALIER HOME BUILDERS
8. MODEL: 6757DT



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NOTES:

1. USE TWO STRUTS PER END FOR WIND ZONES II & III
2. WHEN USING LONGITUDINAL STABILIZATION ONLY, SYSTEM MUST BE AS EVENLY SPACED AS POSSIBLE, NO MORE THAN 10' FROM THE END OF THE HOME. LONGITUDINAL STRUTS DO NOT REPLACE ANCHORS ON SINGLE SECTION HOMES.

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REVISION DESCRIPTION

DATE

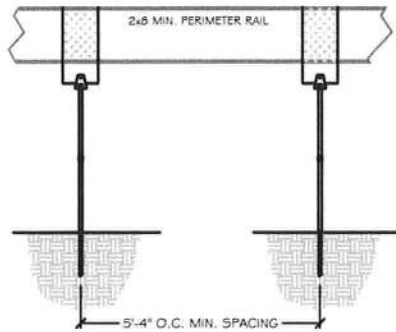
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DONALD & SANDRA DAVIES  
269 SW BOBWHITE GLEN  
FORT WHITE, FL

BUILDER  
IRONWOOD HOMES  
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ANCHOR PLAN  
269 SW BOBWHITE GLEN  
FORT WHITE, FL

PROJECT NO. FL21159  
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SHEET 1 OF 1





GROUND ANCHOR INSTALLATION DETAIL

### GROUND ANCHOR SPECIFICATIONS

GROUND ANCHORS SHALL HAVE A MIN WORKING LOAD OF 3150# AND HAVE A MIN 4725# ULTIMATE LOAD CAPACITY.

ASTMA-36 (GROUND ANCHORS)

MINUTE MAN ANCHOR - GALVANIZED AUGER MODEL

#MMA4 650-DH 3/4

3/4" X 48" SHAFT WITH SINGLE 6" DISC

(60 INCH MIN ANCHOR SHAFT EMBEDMENT)

#### GENERAL NOTES:

1. THESE PIER DETAILS ARE PROVIDED TO SUPPLEMENT AND BE USED WITH THE MANUFACTURER'S GROUND ANCHOR AND PIER FOUNDATION DESIGN, AND ARE NOT TO BE USED ALONE. THE INSTALLER/CONTRACTOR SHALL REFER TO THE MANUFACTURER'S PLANS AND SPECIFICATIONS FOR GROUND ANCHOR AND PIER LOCATIONS, SPACING AND ADDITIONAL INFORMATION.
2. HOME SHALL NOT BE INSTALLED IN ZONE "X".
3. THE ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 1,500 PSF, MIN. THE PIER PADS SHALL BE SET ON SOIL FREE FROM ORGANIC OR LOOSE MATERIALS AND COMPACTED TO 90% OF ITS MAXIMUM RELATIVE DENSITY.
4. THE GROUND BENEATH AND WITHIN 10 FEET OF THE HOME SHALL BE GRADED TO SLOPE AWAY FROM THE HOME AT 2% MIN. ANY AREA SLOPING TOWARD THE HOME SHALL BE GRADED TO DIVERT STORMWATER RUN-OFF AROUND AND AWAY FROM THE HOME. A MIN. 12" CLEARANCE SHALL BE PROVIDED BETWEEN THE BOTTOM OF THE LOWEST STRUCTURAL MEMBER AND GROUND.
5. CONTRACTOR TO INSTALL (2) LONGITUDINAL ANCHOR STRAPS AT EACH SIDE OF THE FACTORY I-FRAME.
6. CONTRACTOR TO INSTALL (1) COLUMN ANCHOR STRAP FASTENED TO GROUND ANCHOR AT EACH CENTER COLUMN.
7. CONTRACTOR TO START OR END FRAME TIE-DOWN FASTENED TO GROUND ANCHORS AT 2' MAX. FROM THE CORNER.

#### NOTES:

1. AVTRX BRACKET OR APPROVED EQUAL, FASTENED TO PERIMETER RAIL 1/2" #10 WOOD SCREW MIN. 1" PENETRATION WITH MIN. 14 SCREWS OR 50% SCREW HOLES FILLED, EVENLY SPACED.
2. SIDEWALL AND MATE LINE COLUMN BRACKET INSTALLED BY THE MANUFACTURER.
3. ALL TIE-DOWNS STRAPS, ETC. SHALL BE TYPE I FINISH B, GRADE 1, STEEL STRAPPING 109,000 MIN. YIELD STRENGTH, 0.035" MIN. THICKNESS (PLUS OR MINUS 0.002 IN. - 0.05 MM) FINISH B - HOT-DIPPED GALVANIZED ZINC COATING (ASTM STANDARD 123-89A); 0.6 POUNDS MIN. BREAK STRENGTH, MARKED EVERY 12 TO 15 IN. (MANUFACTURER'S NAME AND ASTM SPEC. D3953-91), 1 1/2" WIDTH. GROUND ANCHORS SHOULD BE CERTIFIED BY A PROFESSIONAL ARCHITECT, ENGINEER AND/OR A NATIONALLY RECOGNIZED TESTING LABORATORY. THE MIN ULTIMATE LOAD CAPACITY SHALL BE AT LEAST EQUAL TO 4725 POUNDS.
- 4.



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