



**ENGINEERS
PLANNERS
CONSULTANTS**

305 NORTH OAKLAND AVENUE • P.O. BOX 490 • NAPPANEE, INDIANA 46550
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PHONE: 574-773-7975
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August 22, 2019

Destiny Homes, LLC
250 RW Bryant Rd
Moultrie, GA 31778

RE: MFT-2437-ME764-750-108-R1

NTA JOB NUMBER: DES072219-32

Dear Mr. Jerry Benton,

The referenced manufactured building has been reviewed and approved. NTA, Inc. certifies this plan is in compliance with 2017 Florida Codes – 6th Edition as referenced in the approved drawings. This approval covers the factory build structure only. Any alterations to the factory built structure, on site, voids the approval. This plan is subject to the following limitations:

1. This plan is **NOT** approved for High Velocity Hurricane Zone (i.e. Broward and Dade Counties).
2. Signed and sealed plans are on file with NTA, Inc.
3. The Chapter 633 Plan Review and Inspection shall be conducted by the local fire safety inspector.
4. Items installed on site are subject to review and approval by the local authority having jurisdiction. Please reference the list of site installed items on the approved plans.
5. This review included products for compliance with 553.8425 or FAC Chapter 61G20-3.

If you have any additional questions or comments regarding this matter please contact me at your convenience at (574) 773-7975.

Respectfully,

Michael Faller

Michael Faller
Account Manager
NTA, Inc.

STATE CODES: FLORIDA 6th Edition (2017) Florida Residential Code 2014 National Electrical Code 6th Edition (2017) Florida Engergy Code	
THIS DRAWING COMPLIES WITH 61G20-3.006 (PRODUCT VALIDATION)	
BUILDING INFORMATION	
CONSTRUCTION TYPE:	WOOD FRAME
TOTAL S.F.:	2254
NUMBER OF FLOORS:	1
BUILDING DESIGN CRITERIA (ASCE 7-10) BUILDING HAS NOT BEEN DESIGNED FOR PLACEMENT IN HIGH VELOCITY HURRICANE ZONE (HVHZ). (I.E. DADE AND BROWARD COUNTIES)	
OCCUPANCY CLASS:	SINGLE FAMILY DWELLING
WIND LOAD DESIGN:	150 MPH (VULT) 116 MPH (VASD)
EXPOSURE:	C
1ST FLOOR LIVE LOAD:	40 PSF
1ST FLOOR DEAD LOAD:	10 PSF
2ND FLOOR LIVE LOAD:	0 PSF
2ND FLOOR DEAD LOAD:	0 PSF
ROOF LIVE LOAD:	20 PSF
ROOF DEAD LOAD:	14 PSF
ATTIC LIVE LOAD:	10 PSF
ATTIC DEAD LOAD:	0 PSF
SEISMIC GROUP:	N/A
FIRE RATING EXT WALLS:	0
INTER. PRESSURE COEFFICIENT	-0.18 (ENCLOSED BUILDING)
RISK CATEGORY	II
MEAN ROOF HEIGHT	20FT

D.W.P. FOR C/C PSF PR-ROOF C&C LOAD (EA-50)	
WIND SPEED 150 VULT (116 VASD)	
ZONE1 18.0 PSF	- 28.6 PSF
ZONE 2 18.0 PSF	- 49.8 PSF
ZONE 3 18.0 PSF	- 73.5 PSF
ROOF OVERHANG (EA-10)	
ZONE 2	- 63.0 PSF
ZONE 3	- 102.6 PSF
PW-WALL C&C LOAD, WALLS & DOOR (EA-10)	
ZONE 4 31.2 PSF	- 33.9 PSF
ZONE 5 31.2 PSF	- 41.8 PSF

PRESSURES SHOWN ARE ALLOWABLE STRENGTH PRESSURES

MECHANICAL NOTES:
1. ALL SUPPLY REGISTERS ARE ADJUSTABLE, EXCEPT WHERE OTHERWISE SPECIFIED.
2. INTERIOR DOORS SHALL BE UNDERCUT 1.5 ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED ON FLOORPLAN.
3. BATHROOM VENT FANS SHALL PROVIDE 50 CFM MINIMUM OF VENTILATION.
4. HVAC EQUIPMENT SHALL BE EQUIPPED WITH OUTSIDE FRESH AIR INTAKE TO PROVIDE 20 CFM PER PERSON.
5. VENTS SHALL BE DUCTED TO THE EXTERIOR OF HOME.
6. ALL DUCT SYSTEMS COMPONENTS INSTALLED IN THE ATTIC AREA WITH INSULATION SHALL HAVE A MINIMUM R-VALUE OF R-8.0.
7. ALL HVAC COMPONENT INSTALLED ON SITE SHALL BE INSTALLED BY HVAC CONTRACTOR.
8. TESTING IS MANDATORY FOR AIR LEAKAGE OF DWELLING AND TESTING OF DUCT SYSTEM.
MIN. 7.51 SQUARE FEET NET FREE AREA OF ATTIC VENTILATION TO BE PROVIDED BY SOFFIT AND RIDGE VENTS/ROOF VENTS. MIN. 15.0 SQUARE FEET NET FREE AREA OF CRAWL SPACE VENTILATION TO BE PROVIDED BY FOUNDATION CONTRACTOR. ATTIC VENTILATION ACHIEVED BY RIDGE VENT AND SOFFIT VENTS (SEE CROSS SECTION DRAWING FOR SPECS)

GENERAL NOTES:
1. ALL GLAZING WITHIN 24 INCH ARC OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL BE SAFETY, TEMPERED OR ACRYLIC PLASTIC SHEET.
2. OCCUPANT LOAD IS BASED ON 1 PERSON PER 200 SQUARE FEET OF FLOOR AREA.
3. MINIMUM CORRIDOR WIDTH IS 36 INCHES.
4. WINDOWS, GLASS, DOORS, SHALL COMPLY WITH AAMA/NWWDA 101/I.S.2.
5. ALL MATERIALS USE IN THIS CONSTRUCTION OF THE BUILDING WHICH ARE COVERED BY THE FLORIDA BUILDING COMMISSION CHAPTER 61G20-3 RULES SHALL HAVE CURRENT FLORIDA PRODUCT APPROVAL.
6. ALL CONSTRUCTION, MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE CODES SPECIFIED ON THE DRAWING.
7. ATTIC AND CRAWLSPACE VENTILATION SHALL BE PROVIDED IN ACCORDANCE WITH ALL APPLICABLE CODE SECTIONS.
8. DATA PLATE AND STATE INSIGNIAS ARE LOCATED IN OR ON THE PANEL BOX OF THE HOME.
9. THIS HOME SHALL NOT BE PLACED IN AN AREA THAT EXCEEDS THE DESIGN CRITERIA OF BUILDING.
NOTE THE BUILDING SPECIFIED ON THESE DRAWINGS IS EXCLUDING FROM COVERAGE OF THE MANUFACTURED HOUSING CONSTRUCTION AND SAFETY STANDARDS ACT. 42 U.S.C. 5401 ET SEQ. UNDER PROVISIONS OF 24 CFR 3282.12, IN THAT THE BUILDING IS: 1 INTENDED ONLY FOR ERECTION OR INSTALLATION ON A SITE-BUILT PERMANENT FOUNDATION: 2 NOT DESIGNED TO BE MOVED ONCE ERECTED OR INSTALLED: AND 3 DESIGNED AND MANUFACTURED TO COMPLY WITH A NATIONAL RECOGNIZED MODEL BUILDING CODE OR AN EQUIVALENT BUILDING CODE FOR SITE-BUILT HOUSING.

BUILDING SITE INSTALLATION REQUIREMENTS
ATTENTION LOCAL INSPECTION DEPARTMENT THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE BUILDING MANUFACTURER AND HAVE NOT BEEN INSPECTED BY THE THIRD PARTY INSPECTION AGENCY AND ARE NOT CERTIFIED BY THE STATE MODULAR LABEL AND/OR CERTIFICATION. CODE COMPLIANCE FOR THESE ITEMS MUST BE DETERMINED AT THE LOCAL LEVEL: 1 THE COMPLETED FOUNDATION SUPPORT SYSTEM AND TIEDOWN AND/OR ANCHORAGE SYSTEM. 2 RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING. 3 BUILDING DRAINS, CLEAN OUTS AND HOOK UPS TO PLUMBING SYSTEM AND FINISH PLUMBING. 4 ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS AND THE MAIN ELECTRICAL PANEL). 5 CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULAR MATING LINES (MULTI-WIDE UNITS ONLY). 6 STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-WIDE UNITS ONLY). 7 INSTALLATION OF INSULATION AT FLOOR, CEILING AND ENDWALLS AT MATING LINES (MULTI-WIDE UNITS ONLY). 8 INSTALL R6.5 INSULATION ON ALL PIPING INSTALLED IN UNCON-DITIONAL SPACES. 9 INSTALL FIRESTOPPING AT ALL MODULE MATING LINES AT THE MARRIAGE WALL CEILING HEIGHT AND AT THE FLOOR SYSTEM. 10 CRAWL SPACE LIGHT AND SWITCH. 11 HVAC SYSTEM CROSSOVER DUCTS AND HVAC SYSTEM. 12 RIDGE VENTS MUST BE INSTALLED IN ACCORDANCE WITH THE VENT MANUFACTURERS INSTRUCTIONS. 13. PORTABLE FIRE EXTINGUISHER(S) 14. STORM PROTECTION PANELS REQUIRED FOR GLAZED OPENINGS PER FBC SECTION R301.2(2). 15. GABLE ENDWALL FRAMING. 16. BUILDING SUBJECT TO REVIEW AND APPROVAL OF THE STATE FIRE INSPECTOR ON SITE WITH COMPLIANCE WITH CH.633 FIRE SAFETY CODE. 17. A/C UNIT 18. A.A.V. (AIR ADMITTANCE VALVE TEST) AFTER DWV TEST 19. HVAC COMPANY IS RESPONSIBLE FOR ANY DAMAGE AND REPAIRS TO MODULAR COMPONENTS (I.E. TRUSSES,ELECTRICAL CONDUCTORS PLUMBING,ATTIC INSULATION ETC) 20. EXTERIOR GFİ'S 21. UNIT WILL REQUIRE COMPLIANCE WITH FLORIDA ENERGY CODE

ELEVATION NOTES
THIS STRUCTURE CANNOT BE LOCATED ON THE UPPER HALF OF AN "ISOLATED HILL, RIDGE OR ESCARPMENT" WHICH SATISFIES ALL OF THE FOLLOWING: 1 HILL, RIDGE OR ESCARPMENT IS HIGHER THAN 30 FEET IN EXPOSURE C LOCATIONS AND 60 FEET IN EXPOSURE B LOCATIONS. 2 AVERAGE SLOPE OF HILL EXCEEDS 10%. 3 THE HILL, RIDGE OR ESCARPMENT HAS NO OBSTRUCTIONS TO WIND MOVEMENT BY TOPOGRAPHIC FEATURES FOR A DISTANCE FROM THE HIGH POINT OF THE HILL, RIDGE OR ESCARPMENT EQUAL TO 50 TIMES THE HEIGHT OF THE HILL, RIDGE OR ESCARPMENT OR ONE MILE, WHICHEVER IS LESS. HANDICAP RAMP(S), STAIR(S) AND RAILS ARE SITE INSTALLED, DESIGNED BY OTHERS AND SUBJECT TO LOCAL JURISDICTION REVIEW AND APPROVAL. FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/150TH OF THE FLOOR AREA AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS AND SUBJECT TO LOCAL JURISDICTION REVIEW AND APPROVAL. BUILDING ADDRESS AS REQUIRED BY R319.1 TO BE INSTALLED ON SITE BY OTHERS. THE RAISED SEAL SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY THE DBPR. BUILDING ADDRESS AS REQUIRED BY FRC R319.1 TO BE INSTALLED ON SITE BY OTHERS.

DRAWING INDEX:
THE PLANS MAY BE FLIPPED OR MIRRORRED.
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PAGE 2A OPT EXTERIOR ELEVATIONS
PAGE 3 EXTERIOR ELEVATIONS
PAGE 4 MASTER FLOOR PLAN
PAGE 4A OPT MASTER FLOOR PLAN
PAGE 5 ELECTRICAL LAYOUT
PAGE 5A OPT ELECTRICAL LAYOUT
PAGE 6 FLOOR FRAMING
PAGE 7 WATER SUPPLY
PAGE 7A WATER SUPPLY
PAGE 8 WASTE LAYOUT
PAGE 8A OPT WASTE LAYOUT
PAGE 9 ROOF LAYOUT
PAGE 10 HVAC LAYOUT
PAGE 10A OPT HVAC LAYOUT
PAGE 11 CHASSIS PLAN
PAGE 12 CROSS SECTION
PAGE 13 SHEARWALL DETAILS
PAGE 13A OPT SHEARWALL DETAILS
ATTIC IS DESIGNED FOR 10 PSF LOAD BUT IS NOT INTENDED TO BE USED FOR STORAGE. INSULATION EXTENDS ABOVE THE TOP OF THE BOTTOM CHORD AND COMPRESSION OF THE INSULATION WILL COMPROMISE THE MINIMUM DESIGNED THERMAL VALUE.

FOUNDATION:
FOUNDATION IS DESIGNED BY OTHERS. DETAILS CONTAINED IN THESE TYPICAL DRAWINGS ARE SUPPLEMENT AND MUST BE EVALUATED BY FOUNDATION DESIGNER FOR COMPATABILITY WITH THE FOUNDATION DESIGN. (ON 14'-10 FLOORS MODELS WITH LARGE ROOMS WILL REQUIRE ADDITIONAL PIER BLOCKING DOWN CENTER OF FLOOR)

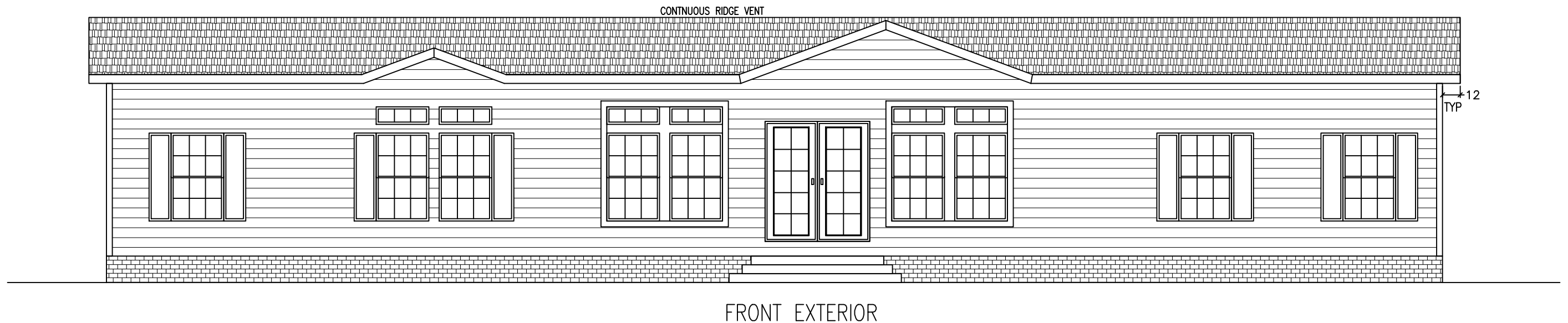
ENGINEER SEAL
ERIK J. MYERS No 77316 ★ STATE OF FLORIDA PROFESSIONAL ENGINEER Aug 21, 2019
NOTE: THE PURCHASER IS RESPONSIBLE TO INSURE THE ATTACHED PLANS CONFORM TO LOCAL ORDINANCES IN RESPECT TO BUILDING SIZE, HEIGHT, SETBACK OR ASTHETICS WHICH IS ENFORCED BY LOCAL JURISDICTIONS. HOME IS STRUCTURE AS REQUIRED BY THE STATE OF FLORIDA IS DESIGNED AS A 2-STORY EVEN THOUGH ACTUAL CONSTRUCTION IS A 6/12 PITCHED ROOF ON A SINGLE FRAME.

PLUMBING NOTES
1. TUB ACCESS PROVIDED UNDER HOME UNLESS OTHERWISE NOTED.
2. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUT-OFF VALUES.
3. WATER HEATER SHALL HAVE SAFETY PAN WITH 3/4 INCH DRAIN TO EXTERIOR, T&P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
4. WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL INSULATION. WATER PIPING INSTALLED IN AN UNCONDITIONED ATTIC SHALL BE INSULATED WITH AN INSULATION OF R-6.5-DWV. R3 INSULATION ON 3/4" AND LARGER PIPES AND HOT WATER PIPES INSTALLED OUTSIDE THE CONDITIONED SPACE.
5. DWV SYSTEMS SHALL BE EITHER ABS OR PVC-DWV.
6. WATER SUPPLY LINES SHALL BE PEX, CPVC, OR COPPER; WHEN PEX SUPPLY LINES ARE INSTALLED THE MAXIMUM WATER HEATER TEMPERATURE SETTING IS 180°F. THE PEX PIPE SHALL BE INSTALLED ACCORDANCE WITH THE MANUFACTURES LIMITATIONS AND INSTRUCTIONS.
7. BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
8. WATER CLOSETS AVERAGE WATER USAGE SHALL NOT EXCEED 1.6 GALLONS PER FLUSH.
9. SHOWER STALLS SHALL BE COVERED WITH NON-ABSORBENT MATERIAL TO A HEIGHT OF 72 INCHES ABOVE THE FINISHED FLOOR.
10. SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 120°F. (48.8°C)
11. AIR ADMITTANCE VALVE (AV) SHALL CONFORM TO ASSE 1051. THE VALVES SHALL BE LOCATED A MINIMUM OF 4 INCHES ABOVE THE HORIZONTAL DRAIN OR FIXTURE DRAIN BEING VENTED AND MUST BE INSTALLED IN A WELL VENTILATED SPACES OR BE PROVIDED WITH VENTILATED ACCESS DOORS.
12. WATER HAMMER ARRESTORS TO BE INSTALLED WHERE QUICK CLOSING VALVES ARE UTILIZED (I.E. DISHWASHERS, CLOTHES WASHERS, ICE MAKERS OR OTHER QUICK CLOSING DEVICES WITH SOLENOID VALVES). ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
13. THIS UNIT MUST BE CONNECTED TO PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
14. SINKS 2.2 GALS AND LAVS 2.2 GALS PER MIN MAX. @ 60 PSI.
15. SHOWER HEADS SHALL NOT USE MORE THAN 2.5 GALS/MIN @ 80 PSI PER ANSI STD A 112.18.1M.
16. AN APPROVED THERMAL EXPANSION DEVICE SHALL BE SITE INSTALLED IN THE WATER SUPPLY SYSTEM IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. (THIS DEVISE IS REQUIRED WHEN BACK FLOW PREVENTORS, PRESSURE REDUCING VALVES, CHECK VALVES OR SYSTEM WHICH MAY PREVENT PRESSURE RELIEF.
17. AN ACCESSIBLE SHUT OFF VALVE SHALL BE PROVIDED AHEAD OF THE FIRST OUTLET OR BRANCH CONNECTED TO THE SERVICE OR DISTRIBUTION PIPE. THIS SHUT OFF VALVE MAY BE SITE INSTALLED.

DESIGN APPROVAL AGENCY STAMP
DATE 8-22-2019 CERT.NO SMP-056 PLAN NUMBER MFT243-ME764750108R1 APPROVED BY Michael Faller (signature) These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria: APPROVED BY NIA INC. Const. Type: VB Unprotected Occupancy: Single Family Dwelling Allowable No. of Floors: One Wind Velocity: 150mph vult, 116 v.asd, Exp.C Fire Rating of Ext. Walls: 0 Hr Plan No.: MFT2437-ME764-750-108R1 Allow. Floor Load: 30 PSF Approved Date: 8-22-2019 Manufacturer: Destiny Industries, LLC

ELECTRICAL NOTES:
1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC).
2. WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED, INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM STORAGE AREA AS DEFINED BY NEC 410-8(A).
3. WHEN WATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
4. HVAC EQUIPMENT SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE EQUIPMENT SERVED. A UNIT SWITCH WITH A MARKED "OFF" POSITION THAT IS A PART OF THE HVAC EQUIPMENT AND DISCONNECTS ALL UNDERGROUND CONDUCTORS SHALL BE PERMITTED AS THE DISCONNECTING MEANS WHERE OTHER DISCONNECTING MEANS ARE ALSO PROVIDED BY A READILY ACCESSIBLE CIRCUIT BREAKER.
5. PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM, THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED BY AS BEING IN COMPLIANCE WITH SECTION 110-9 OF THE NEC. BY LOCAL ELECTRICAL CONSULTANT.
6. THE MAIN ELECTRICAL PANEL, SERVICE DISCONNECT (MAIN CIRCUIT BREAKER) AND FEEDERS ARE SITE INSTALLED, DESIGNED BY OTHERS AND SUBJECT TO LOCAL JURISDICTION REVIEW AND APPROVAL.
7. ALL CIRCUITS CROSSING OVER MODULAR MATING LINES SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES OR CABLE CONNECTIONS.
8. ALL OUTLETS LOCATED WITHIN 6 FEET OF A SINK OR BASIN SHALL BE EQUIPPED WITH GFCI PROTECTION.
9. ALL FANS MUST BE DUCTED TO THE EXTERIOR OF THE BUILDING AND TERMINATE AT AN APPROVED VENT CAP.
10.SMOKE DETECTORS SHALL BE WIRED SO THAT THE OPERATION OF ANY ONE SMOKE DETECTOR WILL CAUSE SIMULTANEOUS ACTIVATION OF ALL OTHERS (IN ANY ONE DWELLING UNIT).
11.PROVIDE COMBINATION SMOKE/CARBON MONOXIDE DETECTORS WHEN ANY FOSSIL FUEL APPLIANCES ARE PROVIDED.
12.ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL BE IN WEATHER PROOF (WP) ENCLOSURES, THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED.
13.ALL BRANCH CIRCUITS SUPPLYING 15 AND 20 AMP OUTLETS IN ALL AREAS ARE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER IN ACCORDANCE WITH SECTION 210.12 IN 2014 NEC.
14 PROVIDE TAMPER RESISTANT RECEPTACLES IN ACCORDANCE WITH SECTION 406.11 IN 2014 NEC.

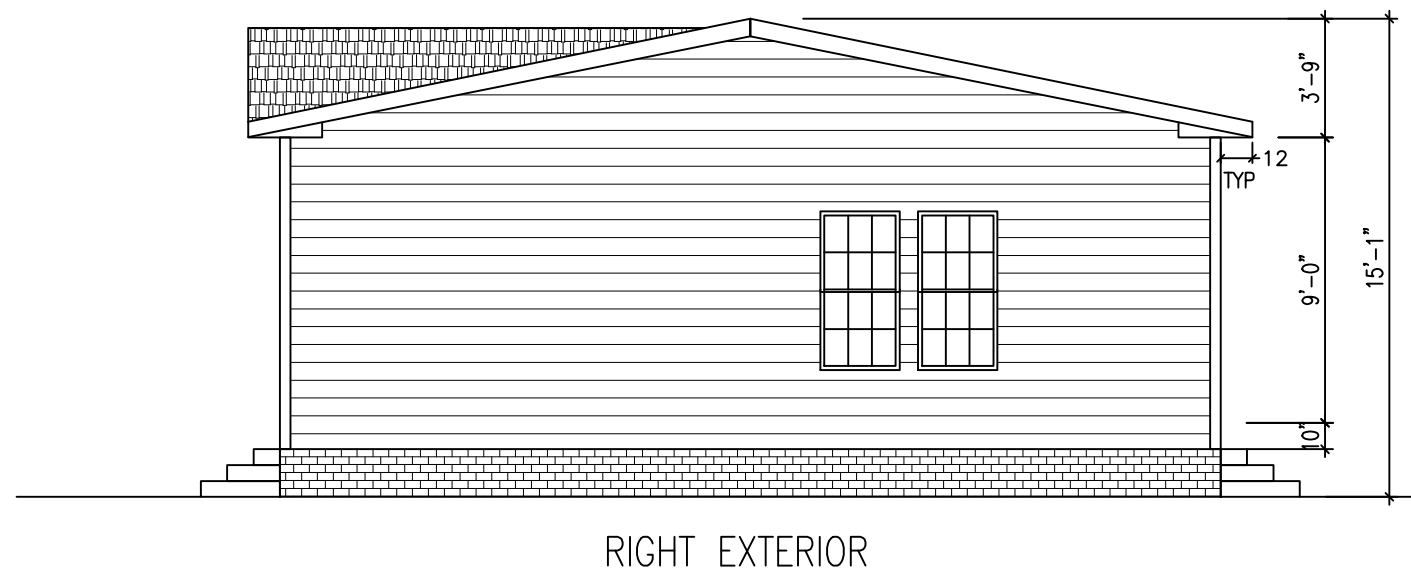
	
250 RW BRYANT ROAD MOULTRIE, GA 31778 PHONE: 1-229-985-6200 E-MAIL: destinyhomebuilders.com	
DATE: 7/16/2019 CODES: 2017 FBC LABELS: FLORIDA SCALE: NTS	3RD PARTY INSPECTION AGENCY NTA INC 305 NORTH OAKLAND AVE NAPPANEE, IN 46550 Contact: Dave Borts (574-773-2732)
MODEL: MFT2437-ME764-750-108R1	DRAWN BY: Jerry Benton
DRAWING: COVER/NOTE PAGE	SHEET 1
ERIK MYERS PE, PLLC 2805 28TH STREET PARKERBURG, WV 26104	



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

APPROVED BY
NIA INC.

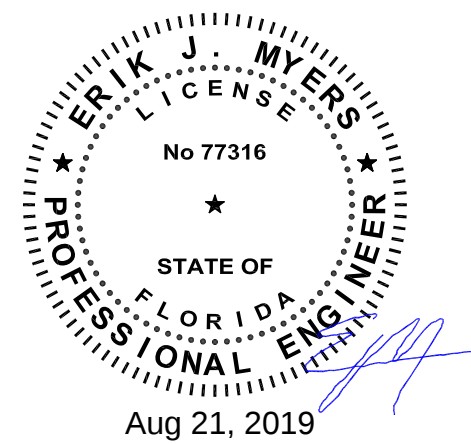
Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult. 116 vrad. Exp. C
Fire Rating of Ext. Walls: 0 Hr.
Plan No.: MFT2437-ME764-750-108R1
Allow. Floor Load: 40 PSF
Approval Date: 5/22/2019
Manufacturer: Destiny Industries, LLC



ATTIC VENTILATION:
CEILING INLET: (29.67X76)X144 = 324708 SQ.IN.
REQUIRED INLET AREA: (.5X162354)/300 = 541.18 SQ.IN.
PROVIDED INLET AREA: (60X2)5 = 600 SQ.IN
600 SQ.IN > 541.18 SQ.IN THEREFORE OK

REQUIRED OUTLET AREA: (.5X162354)/300 = 541.18 SQ.IN.
RIDGE VENT = 15 SQ.IN. PER FOOT OF AIR FLOW
SOFFIT = 5 SQ. IN PER FOOT OF AIR FLOW
36.07 FT OF RIDGE VENT REQUIRED
108.23 FT OF SOFFIT VENT REQUIRED

1. SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION
2. FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE ONE SQUARE FOOT NET VENT AREA PER 1/150TH OF THE FLOOR AREA.
3. A 22"X36" MINIMUM CRAWL SPACE ACCESS AND A 6 MIL POLY GROUND COVER, SITE INSTALLED BY OTHERS AND SUBJECT TO LOCAL JURISDICTION.
4. STEPS, RAILS, & DECKS TO BE DESIGNED AND BUILT BY OTHERS ON SITE, IN ACCORDANCE WILL LOCAL CODES REQUIREMENTS AND INSPECTIONS.

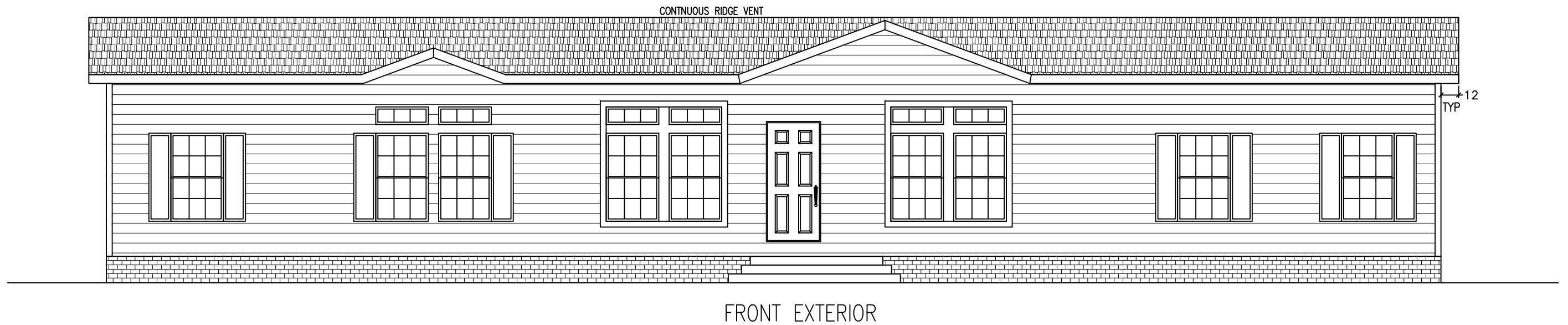




Destiny
Industries, LLC

250 RW BRYANT ROAD MOULTRIE, GA 31778		PHONE: 1-229-985-6200 E-MAIL: destinyhomebuilders.com	
DATE: 7/16/2019	3RD PARTY INSPECTION AGENCY		
CODES: 2017 FBC	NTA INC		
LABELS: FLORIDA	305 NORTH OAKLAND AVE		
SCALE: NTS	NAPPANEE, IN 46550		
MODEL: MFT2437-ME764-750-108R1		Contact: Dave Barts (574-773-2732)	
DRAWING: EXTERIOR ELEVATION		DRAWN BY: Jerry Benton	
		SHEET 2	

ERIK MYERS PE, PLLC
 2805 28TH STREET
 PARKERBURG, WV 26104

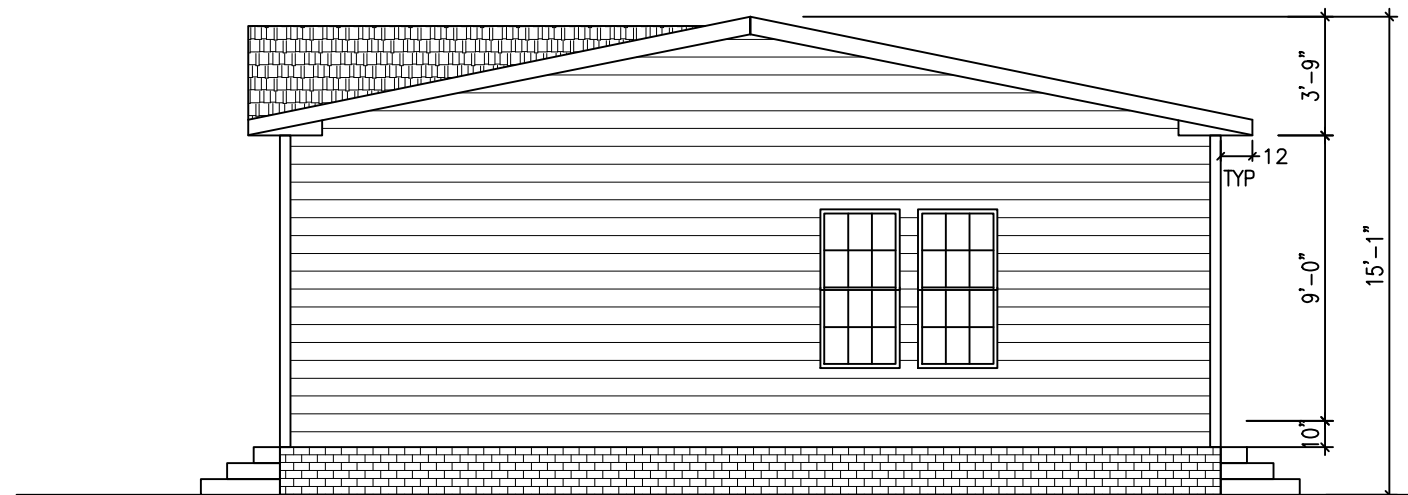


FRONT EXTERIOR

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult. 116 vrad. Exp. C
Fire Rating of Ext. Walls: 0 Hr.
Plan No.: MFT2437-ME764-750-108R1
Allow. Floor Load: 40 PSF
Approval Date: 5/22/2019
Manufacturer: Destiny Industries, LLC

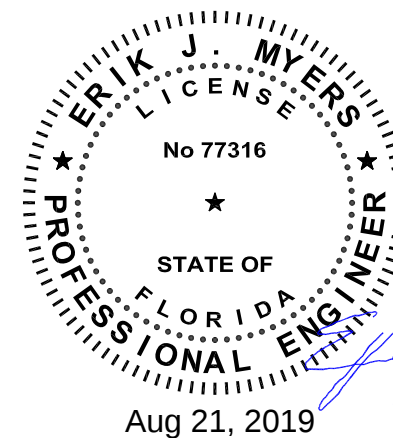


RIGHT EXTERIOR

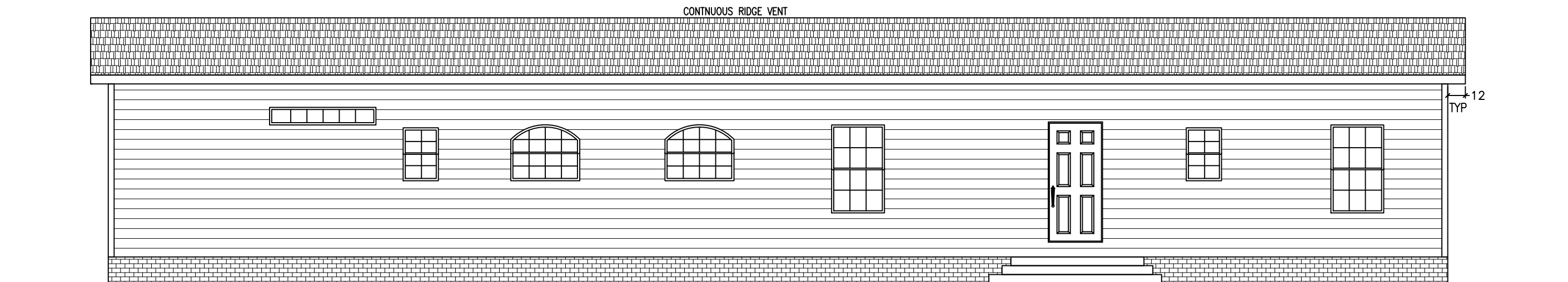
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SOFFIT = 5 SQ. IN PER FOOT OF AIR FLOW
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3. A 22"X36" MINIMUM CRAWL SPACE ACCESS AND A 6 MIL POLY GROUND COVER, SITE INSTALLED BY OTHERS AND SUBJECT TO LOCAL JURISDICTION.
4. STEPS, RAILS, & DECKS TO BE DESIGNED AND BUILT BY OTHERS ON SITE, IN ACCORDANCE WILL LOCAL CODES REQUIREMENTS AND INSPECTIONS.



	
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MODEL: MFT2437-ME764-750-108 R1 DRAWING:	DRAWN BY: Jerry Benton SHEET: 2A
EXTERIOR ELEVATION	
ERIK MYERS PE, PLLC 2805 28TH STREET PARKERBURG, WV 26104	

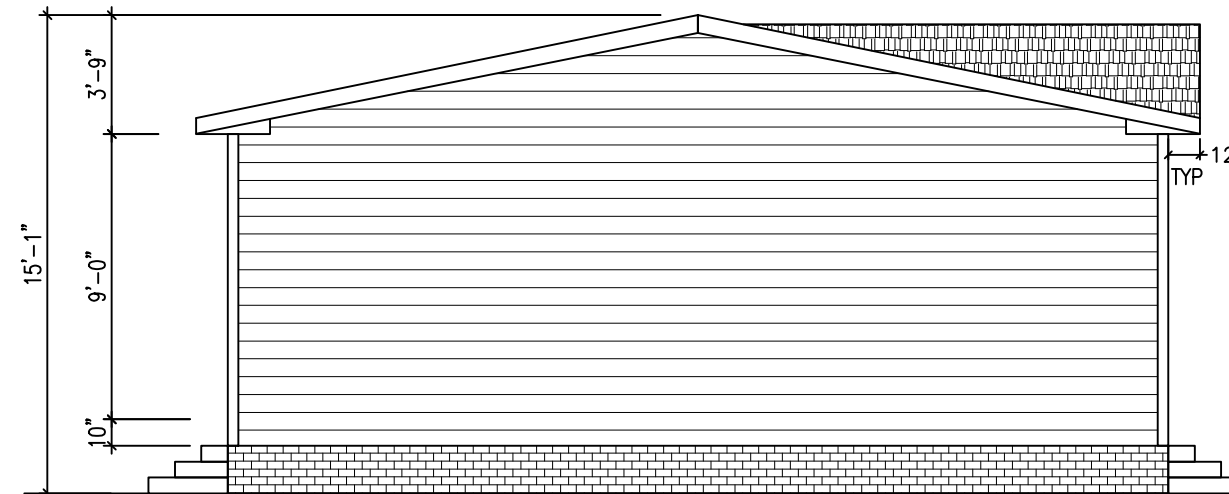


REAR EXTERIOR

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

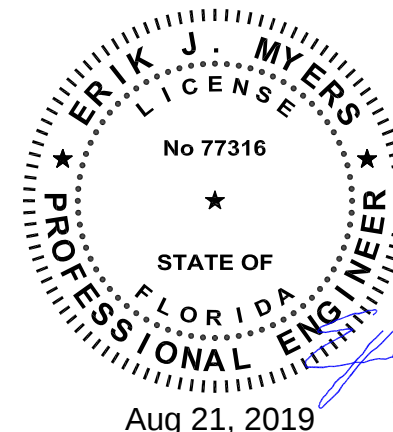


Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult. 116 vasc. Exp C
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME764-750-108R1
Allow. Floor Load: 30 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC



LEFT EXTERIOR

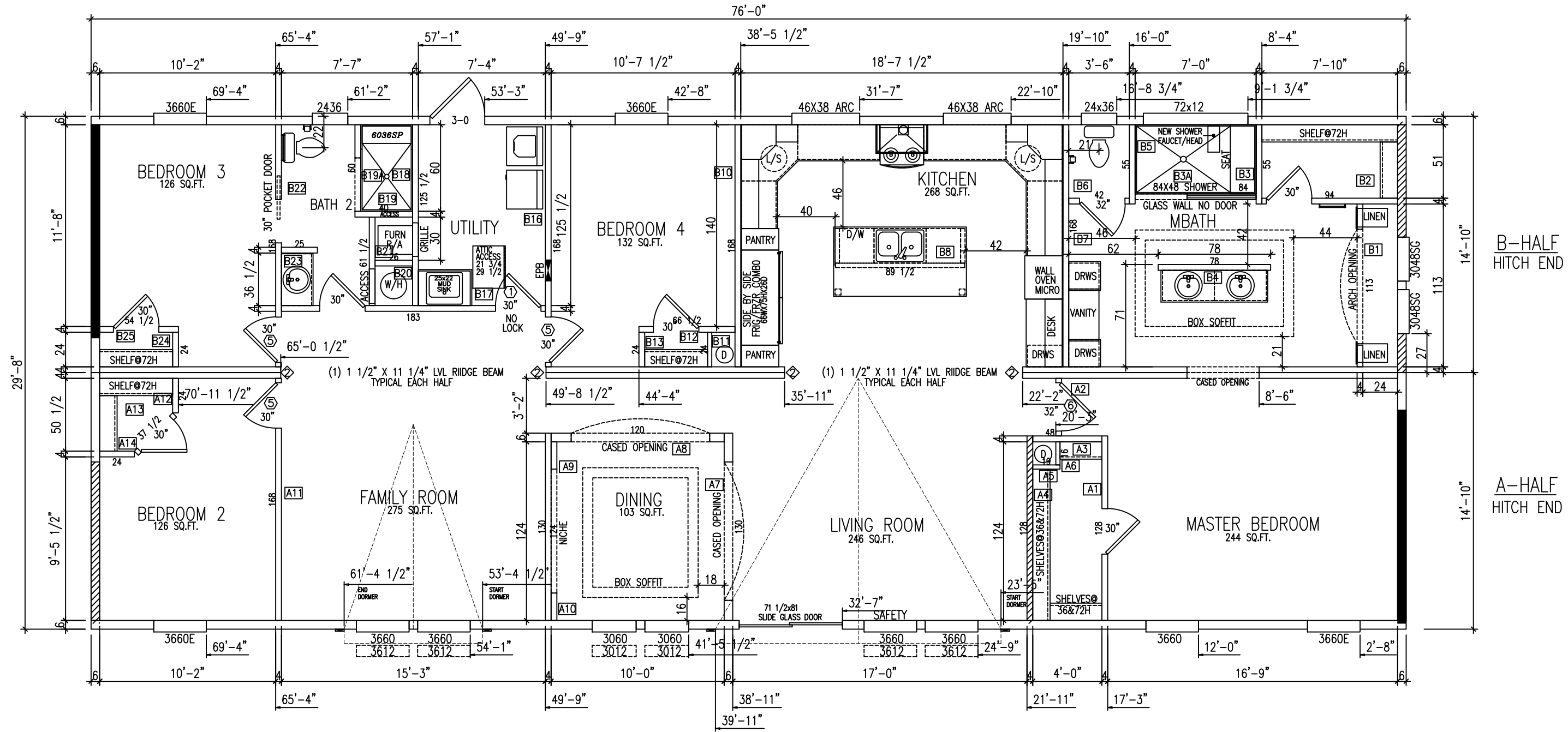
1. SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION
2. FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE ONE SQUARE FOOT NET VENT AREA PER 1/150TH OF THE FLOOR AREA.
3. A 22"X36" MINIMUM CRAWL SPACE ACCESS AND A 6 MIL POLY GROUND COVER, SITE INSTALLED BY OTHERS AND SUBJECT TO LOCAL JURISDICTION.
4. STEPS, RAILS, & DECKS TO BE DESIGNED AND BUILT BY OTHERS ON SITE, IN ACCORDANCE WILL LOCAL CODES REQUIREMENTS AND INSPECTIONS.





Destiny
Industries, LLC

250 RW BRYANT ROAD MOULTRIE, GA 31778		PHONE: 1-229-985-6200 E-MAIL: destinyhomebuilders.com	
DATE: 7/16/2019	3RD PARTY INSPECTION AGENCY		
CODES: 2017 FBC	NTA INC		
LABELS: FLORIDA	305 NORTH OAKLAND AVE		
SCALE: NTS	NAPPANEE, IN 46550		
MODEL: MFT2437-ME764-750-108R1		DRAWN BY: Jerry Benton	
DRAWING: EXTERIOR ELEVATION		SHEET 3	
ERIK MYERS PE, PLLC 2805 28TH STREET PARKERBURG, WV 26104			



*ART. LIGHT AND VENT PROVIDED

LIGHT/VENT CHART	FLOOR AREA SQ. FT.	LIGHT REQUIRED PROVIDED	VENT REQUIRED PROVIDED
MASTER BEDROOM	244	19.52 26.40 10.08	9.76 12.92 5.04
BEDROOM 2	126	13.20 10.08	6.46 5.04
BEDROOM 3	126	13.20 10.56	6.46 5.28
BEDROOM 4	132	13.20 19.68 65.20	6.46 9.84 30.17
LIVING ROOM	246	22.00 30.70	11.00 12.92
FAMILY ROOM	275	21.44 *20.28	10.72 *9.62
KITCHEN	268	8.24 26.06	4.12 10.70
DINING	103		

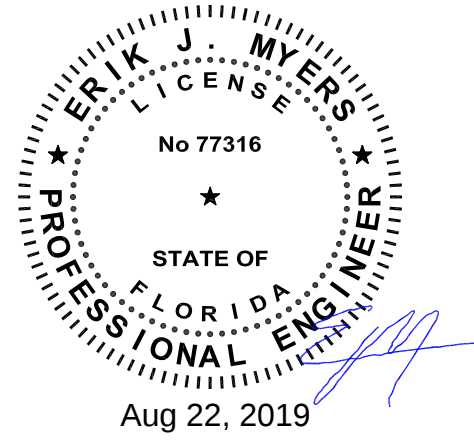
WINDOW SCHEDULE				
WIDTH	HEIGHT	TYPE	LIGHT SQ. FT.	VENT SQ. FT.
30"	12"	SINGLE HUNG	1.77	N/A
30"	30"	SINGLE HUNG	5.86	1.92
30"	48"	SINGLE HUNG	8.82	4.33
30"	60"	SINGLE HUNG	10.88	5.35
36"	12"	SINGLE HUNG	2.15	N/A
36"	36"	SINGLE HUNG	7.51	3.56
36"	40"	SINGLE HUNG	8.48	4.05
36"	60"	SINGLE HUNG	13.20	6.46
66"	32"	SINGLE HUNG	9.07	1.72
71"	81"	SINGLE HUNG	34.50	17.25
72"	12"	SINGLE HUNG	4.30	N/A
46"	38"	SINGLE HUNG	10.14	4.81
24"	36"	SINGLE HUNG	4.87	2.33

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

APPROVED BY
NIA INC.

Const. Type: V.B. Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph wind, 116 vased Exp. C
Fire Rating of Ext. Walls: 0 Hr.
Plan No.: MFT2437-ME764-750-108-B
Allow. Floor Load: 40 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC

2254 TOTAL SQUARE FOOTAGE
2254 HEATED & COOLED
267.43 SQ FT GLAZING



250 RW BRYANT ROAD
MOULTRIE, GA 31778

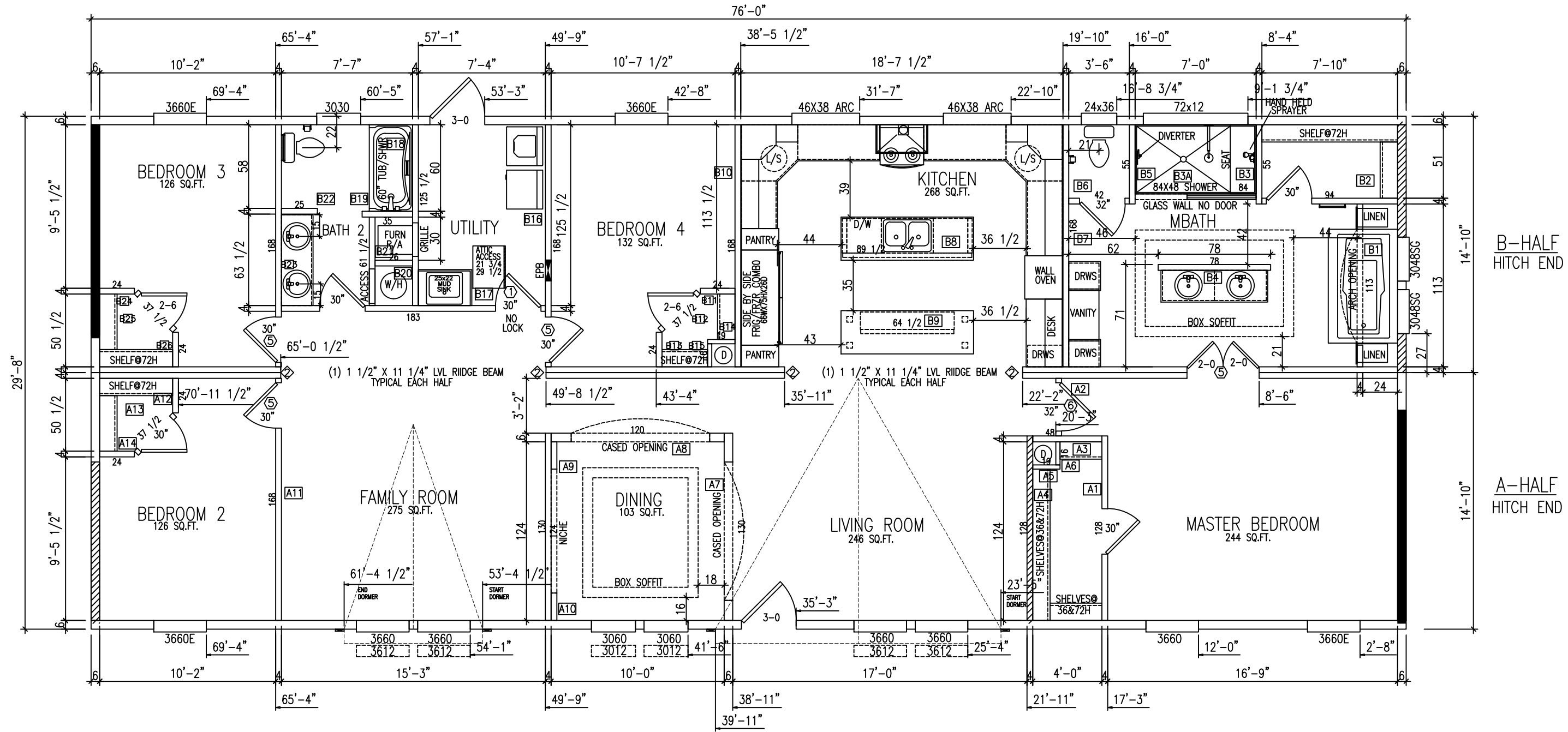
PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

DATE: 7/16/2019	3RD PARTY INSPECTION AGENCY
CODES: 2017 FBC	NTA INC
LABELS: FLORIDA	305 NORTH OAKLAND AVE
SCALE: NTS	NAPPANEE, IN 46550
MODEL: MFT2437-ME764-750-108R1	Contact: Dave Barts (574-773-2732)
DRAWING: MASTER PLAN	DRAWN BY: Jerry Benton
	SHEET 4

ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104

B-HALF
HITCH END

A-HALF
HITCH END



*ART. LIGHT AND VENT PROVIDED

LIGHT/VENT CHART	FLOOR AREA SQ. FT.	LIGHT REQUIRED PROVIDED	VENT REQUIRED PROVIDED
MASTER BEDROOM	244	19.52 26.40	9.76 12.92
BEDROOM 2	126	10.08 13.20	5.04 6.46
BEDROOM 3	126	10.08 13.20	5.04 6.46
BEDROOM 4	132	10.56 13.20	5.28 6.46
LIVING ROOM	246	19.68 26.40	9.84 12.92
FAMILY ROOM	275	22.00 30.70	11.00 12.92
KITCHEN	268	21.44 *20.28	10.72 *9.62
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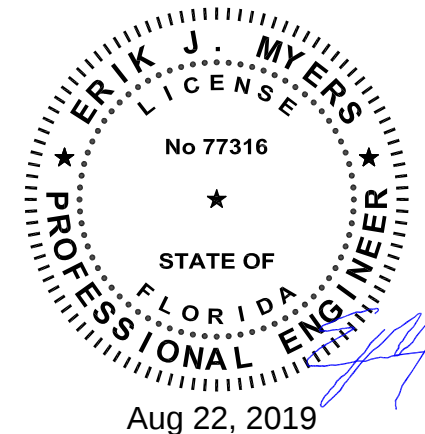
WINDOW SCHEDULE				
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These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult. 116 vasc. Exp. C
Fire Rating of Ext. Walls: 0 HR
Plan No.: MFT2437-ME764-750-108-B.1
Allow. Floor Load: 30 PSF
Approval Date: 8-22-2019
Manufacturer: Destiny Industries, LLC

2254 TOTAL SQUARE FOOTAGE
2254 HEATED & COOLED
267.43 SQ FT GLAZING



Destiny Industries, LLC

250 RW BRYANT ROAD
MOULTRIE, GA 31778

PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

DATE: 7/16/2019	3RD PARTY INSPECTION AGENCY
CODES: 2017 FBC	NTA INC
LABELS: FLORIDA	305 NORTH OAKLAND AVE
SCALE: NTS	NAPPANEE, IN 46550
MODEL: MFT2437-ME764-750-108 R1	Contact: Dave Barts (574-773-2732)
DRAWING: MASTER PLAN	DRAWN BY: Jerry Benton
	SHEET 4A

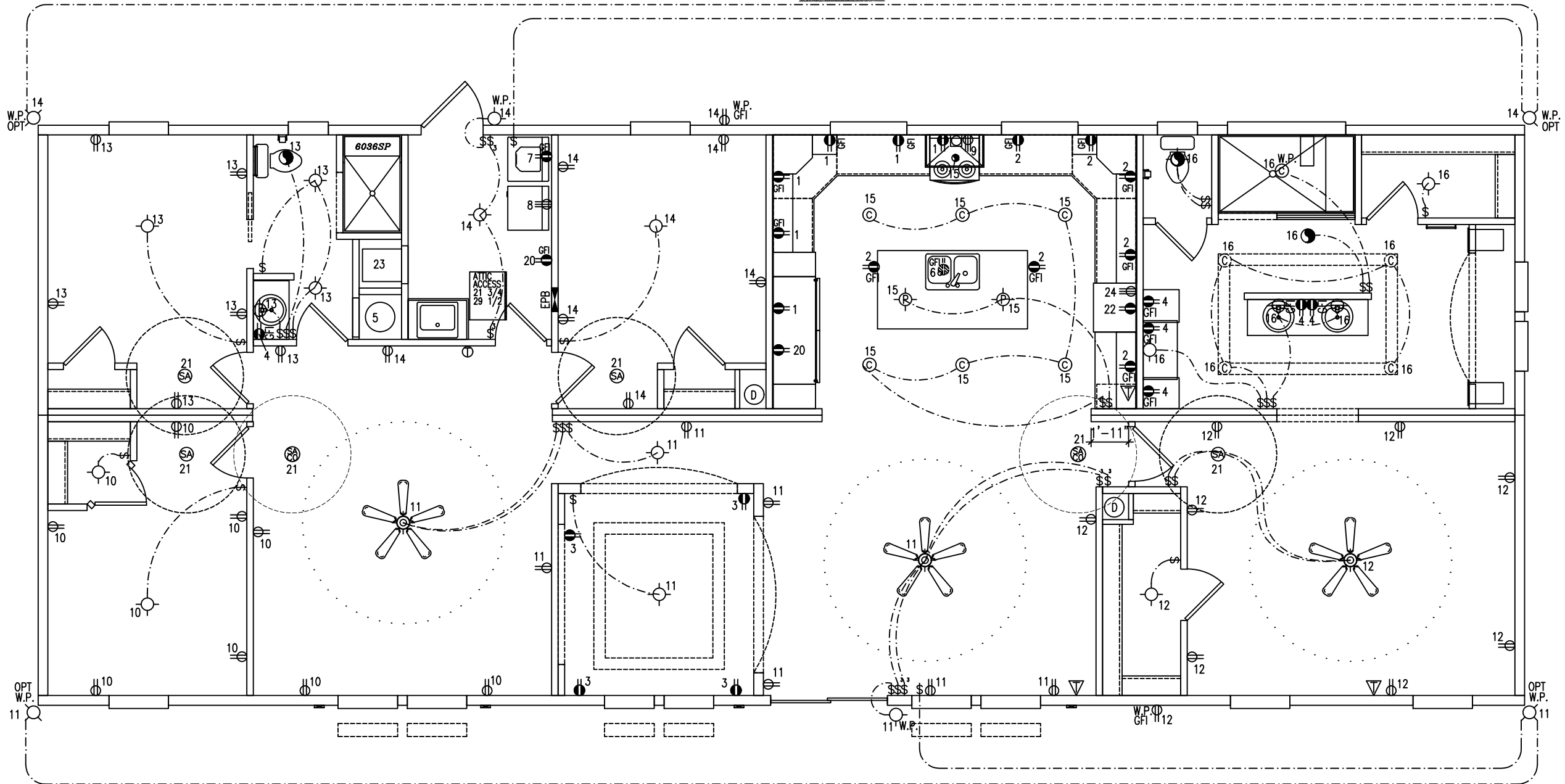
ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104

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

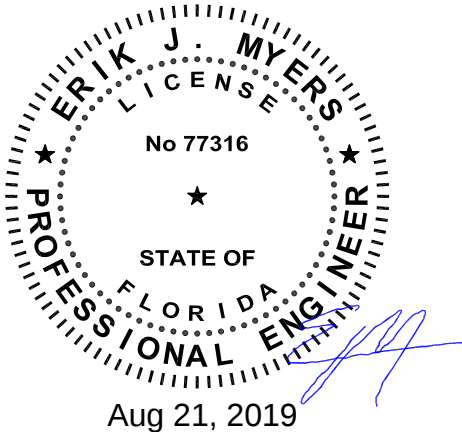
APPROVED BY

NIA INC.

Const. Type: VB Unprojected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult. 116 vaud. Exp. C
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME764-750-108R1
Allow. Floor Load: 40 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC



ELECTRICAL CIRCUIT SCHEDULE				ELECTRICAL LEGEND	
CIR	DESCRIPTION	COND. SIZE (CU)	BREAKER		PULL CHAIN LIGHT
1	SMALL APPLIANCE	12-2 W/ GND	20A, AFCI		RANGE EXHAUST FAN
2	SMALL APPLIANCE	12-2 W/ GND	20A, AFCI		EXT PORCH LIGHT
3	SMALL APPLIANCE	12-2 W/ GND	20A, AFCI		FLUORESCENT LIGHT
4	BATH	12-2 W/ GND	20A		INCANDESCENT LIGHT
5	WATER HEATER	10-2 W/ GND	25 2P		EXHAUST FAN
6	DISHWASHER (OPT)	12-2 W/ GND	20A, AFCI		PEDANT LIGHT
7	WASHER	12-2 W/ GND	20A, AFCI		PANEL BOX
8	DRYER	10-3 W/ GND	30 2P		SMOKE DETECTOR
9	RANGE	8-3 W/ GND	40 2P		SMOKE DETECTOR CARBON MONOXIDE
10	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		CAN LIGHT
11	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		20 AMP DUPLEX RECPTACLE
12	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		15 AMP DUPLEX RECPTACLE
13	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		240V RECEPT
14	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		SWITCH
15	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		3-WAY SWITCH
16	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		PHONE JACK
17	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		CABLE JACK
18	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		THERMOSTAT
19	COOK TOP	10-3 W/ GND	30 2P		COMBO LIGHT AND VENT
20	FREEZER (OPT)	12-2 W/ GND	20A, AFCI		
21	SMOKE DETECTORS	14-3 W/ GND	15A, AFCI		
22	MICROWAVE (OPT)	12-2 W/ GND	20A, AFCI		
23	HVAC	PER MFG INSTRUCTIONS			
24	WALL OVEN	10-3 W/ GND	30 2P		
25	COOK TOP	10-3 W/ GND	30 2P		
26	TANKLESS W/H	PER MFG INSTRUCTIONS			
27	TANKLESS W/H	PER MFG INSTRUCTIONS			



Aug 21, 2019

75% OF LAMPS IN ALL PERMANENTLY INSTALLED LIGHTING FIXTURES MUST BE HIGH EFFICANCY LAMPS.

3-WAY SWITCHES WILL HAVE 14-3 OR 12-3 WIRE FOR SWITCH LEGS.

PANEL SIZING:	
2254 SQ. FT. X 3 WATTS/SQ. FT.	= 6.8 KW
3-20 AMP APPLIANCES CKTS	= 4.5 KW
RANGE CIRCUIT	= 1.3 KW
WATER HEATER CIRCUIT	= 4.5 KW
DISHWASHER CIRCUIT	= 1.4 KW
WASHER CIRCUIT	= 1.5 KW
DRYER CIRCUIT	= 5.5 KW
GARBAGE DISPOSAL	= 1.9 KW
TOTAL	= 40.1 KW
FIRST 10KW @ 100%	= 10 KW
REMAINDER @ 40% (30.1 X 0.40)	= 12.0 KW
HVAC (ASSUMED 20.90)	= 20.0 KW
TOTAL	= 42.0 KW = 42,000 WATTS
42,000 WATTS/240 VOLTS	= 175.1 AMPS = 200 AMP SERVICE



250 RW BRYANT ROAD MOULTRIE, GA 31778 PHONE: 1-229-985-6200 E-MAIL: destinyhomebuilders.com

DATE: 7/16/2019 3RD PARTY INSPECTION AGENCY
CODES: 2017 FBC NTA INC
LABELS: FLORIDA 305 NORTH OAKLAND AVE
SCALE: NTS NAPPANEE, IN 46550
Contact: Dave Barts (574-773-2732)

MODEL: MFT2437-ME764-750-108R1 DRAWN BY: Jerry Benton

DRAWING: SHEET

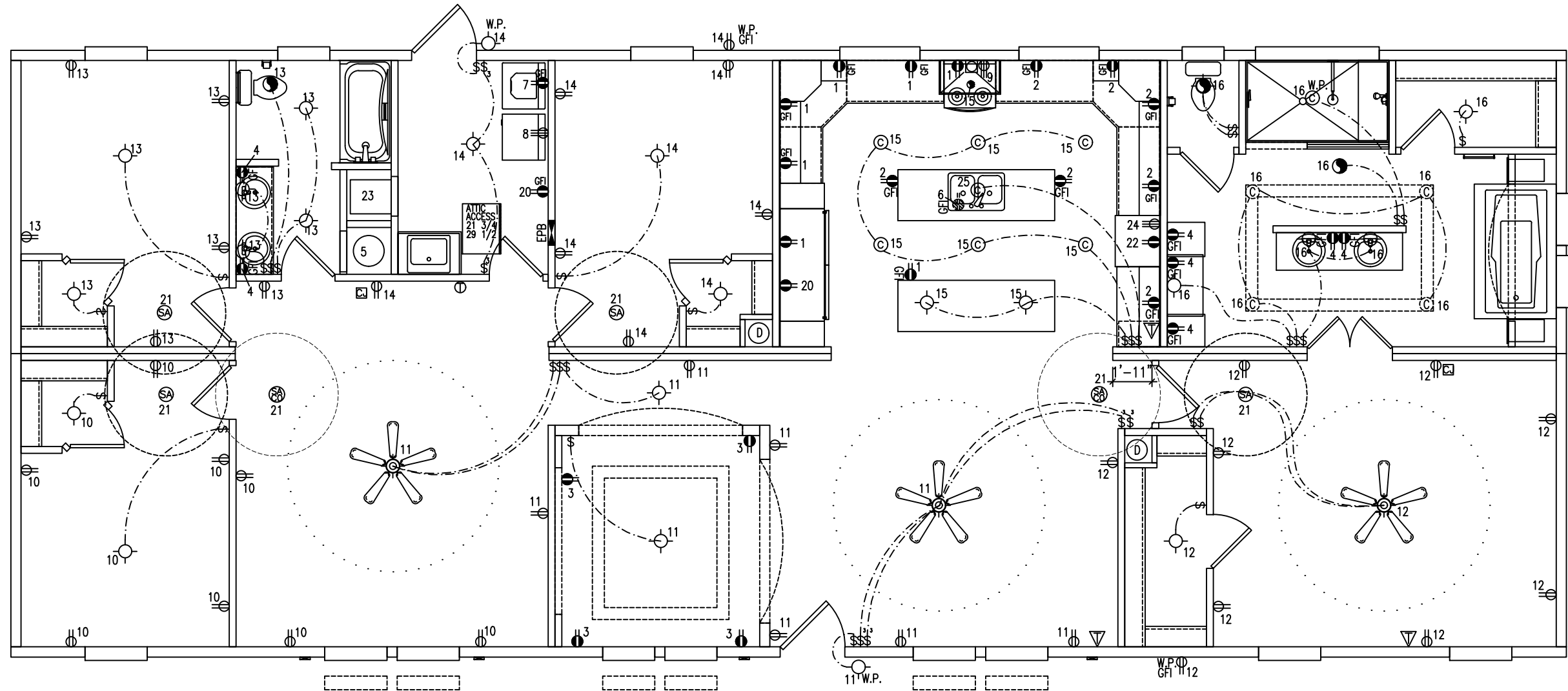
ELECTRICAL LAYOUT 5

ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104

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

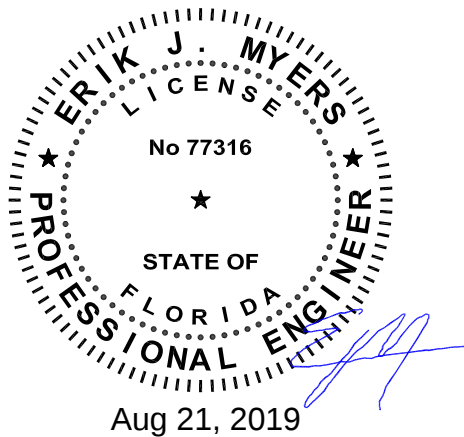


Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult, 116 vasc, Exp C
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME764-750-108R
Allow. Floor Load: 40 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC



ELECTRICAL CIRCUIT SCHEDULE				ELECTRICAL LEGEND	
CIR	DESCRIPTION	COND. SIZE (CU)	BREAKER		PULL CHAIN LIGHT
1	SMALL APPLIANCE	12-2 W/ GND	20A, AFCI		RANGE EXHAUST FAN
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5	WATER HEATER	10-2 W/ GND	25 2P		EXHAUST FAN
6	DISHWASHER (OPT)	12-2 W/ GND	20A, AFCI		PEDANT LIGHT
7	WASHER	12-2 W/ GND	20A, AFCI		PANEL BOX
8	DRYER	10-3 W/ GND	30 2P		SMOKE DETECTOR
9	RANGE	8-3 W/ GND	40 2P		SMOKE DETECTOR
10	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		CARBON MONOXIDE
11	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		CAN LIGHT
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17	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI		PHONE JACK
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19	COOK TOP	10-3 W/ GND	30 2P		THERMOSTAT
20	FREEZER (OPT)	12-2 W/ GND	20A, AFCI		COMBO LIGHT AND VENT
21	SMOKE DETECTORS	14-3 W/ GND	15A, AFCI		
22	MICROWAVE (OPT)	12-2 W/ GND	20A, AFCI		
23	HVAC	PER MFG INSTRUCTIONS			
24	WALL OVEN	10-3 W/ GND	30 2P		
25	COOK TOP	10-3 W/ GND	30 2P		
26	TANKLESS W/H	PER MFG INSTRUCTIONS			
27	TANKLESS W/H	PER MFG INSTRUCTIONS			

3-WAY SWITCHES WILL HAVE 14-3
OR 12-3 WIRE FOR SWITCH LEGS.



Aug 21, 2019

75% OF LAMPS IN ALL PERMANENTLY INSTALLED
LIGHTING FIXTURES MUST BE HIGH EFFICANCY LAMPS.

PANEL SIZING:	
2254 SQ. FT. X 3 WATTS/SQ. FT.	= 6.8 KW
3-20 AMP APPLIANCES CKTS	= 4.5 KW
RANGE CIRCUIT	= 13 KW
WATER HEATER CIRCUIT	= 4.5 KW
DISHWASHER CIRCUIT	= 1.4 KW
WASHER CIRCUIT	= 1.5 KW
DRYER CIRCUIT	= 5.5 KW
GARBAGE DISPOSAL	= 1.9 KW
TOTAL	= 40.1 KW
FIRST 10KW @ 100%	= 10 KW
REMAINDER @ 40% (30.1 X 0.40)	= 12.0 KW
HVAC (ASSUMED 20.90)	= 20.0 KW
TOTAL	= 42.0 KW = 42,000 WATTS
42,000 WATTS/240 VOLTS	= 175.1 AMPS = 200 AMP SERVICE



250 RW BRYANT ROAD MOULTRIE, GA 31778
PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

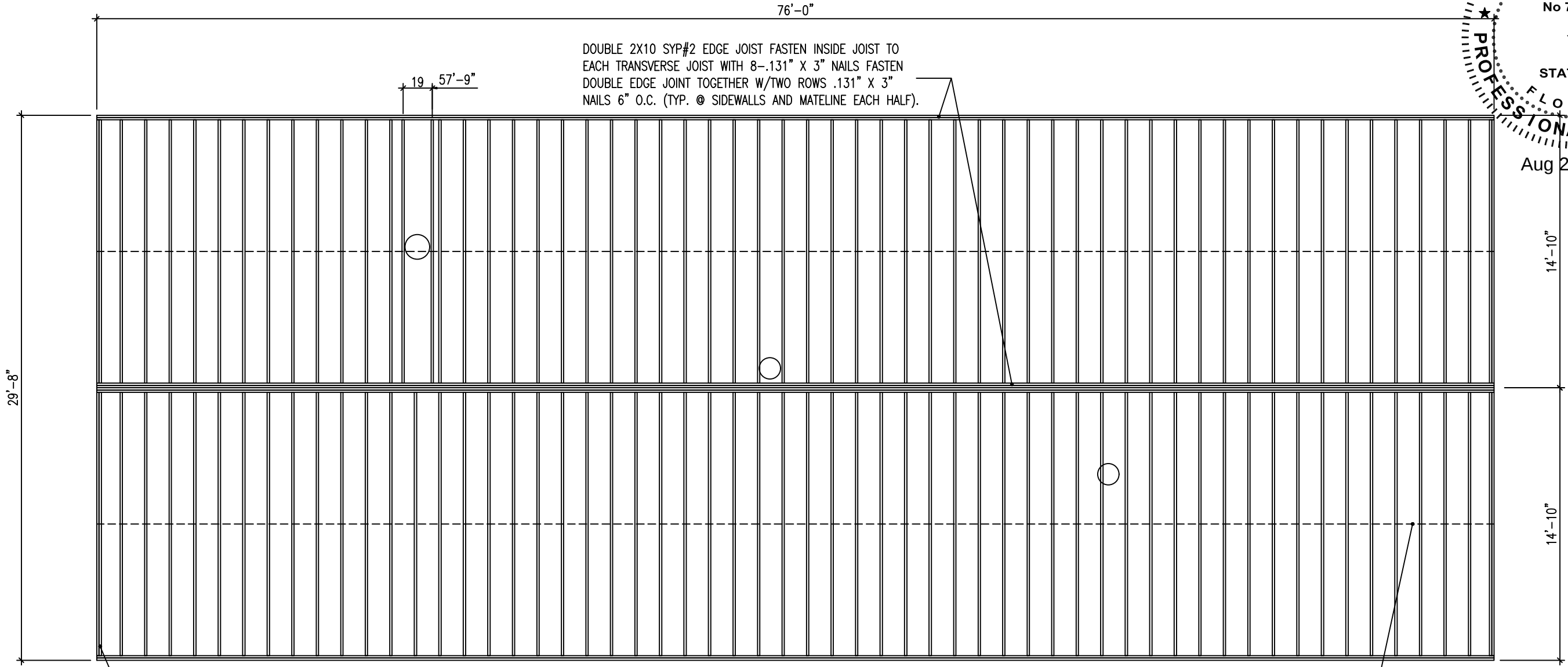
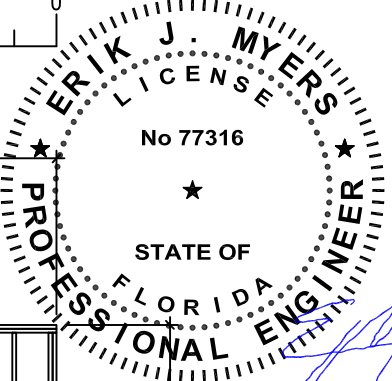
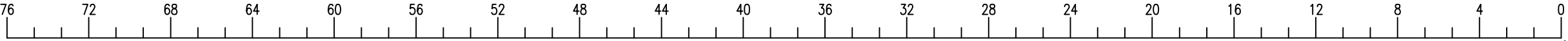
DATE: 7/16/2019
CODES: 2017 FBC
LABELS: FLORIDA
SCALE: NTS
3RD PARTY INSPECTION AGENCY
NTA INC
305 NORTH OAKLAND AVE
NAPPANEE, IN 46550
Contact: Dave Barts (574-773-2732)

MODEL: MFT2437-ME764-750-108 R1
DRAWN BY: Jerry Benton

DRAWING: OPTIONAL ELECTRICAL LAYOUT
SHEET 5A

ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104

* PIER BLOCKING REQUIRED



DOUBLE 2X10 SYP#2 EDGE JOIST FASTEN INSIDE JOIST TO EACH TRANSVERSE JOIST WITH 8- $\frac{1}{4}$ " X 3" NAILS FASTEN DOUBLE EDGE JOINT TOGETHER W/TWO ROWS $\frac{1}{4}$ " X 3" NAILS 6" O.C. (TYP. @ SIDEWALLS AND MATELINE EACH HALF).

DOUBLE 2X10 SYP#2 JOISTS UNDER ENDWALLS FASTEN TOGETHER W/ $\frac{1}{4}$ "X3" NAILS @ 6" O.C. (TYP.)

2X10 SYP#1 OR SP#2 FLOOR JOISTS @ 16" O.C. (TYP. EACH MOD)

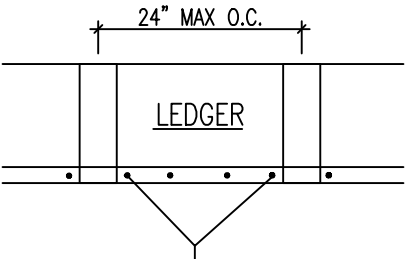
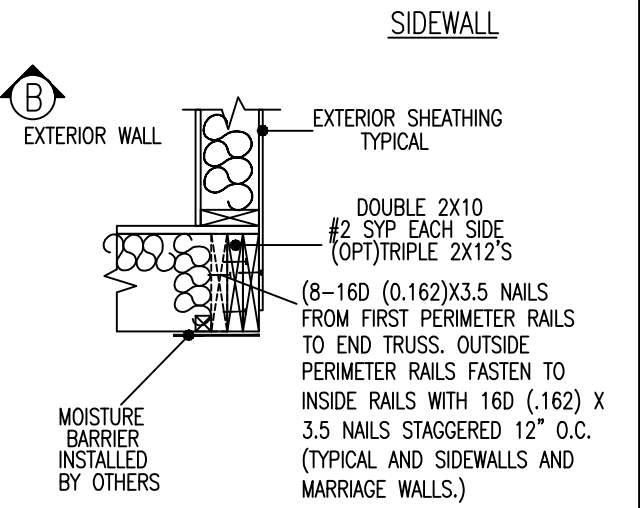
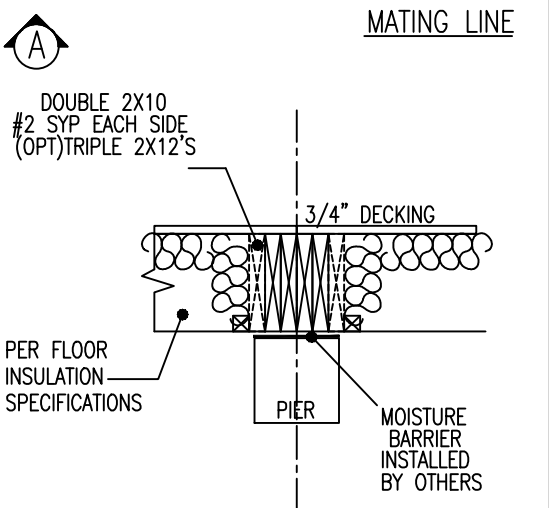
INSTALL BRIDGING/BLOCKING AT CENTERLINE OF EACH MODULE WIDTH FOR THE ENTIRE LENGTH OF FLOOR AS SHOWN (TYP. EACH MOD.)

GIRDER AT MATELINE TO HAVE SPLITS LIMITED TO 4" AND HAVE ALL BUTT JOINTS TO FALL OVER PIERS (TYP. EACH HALF) SEE FOUNDATION PLAN FOR PIER LOCATIONS.

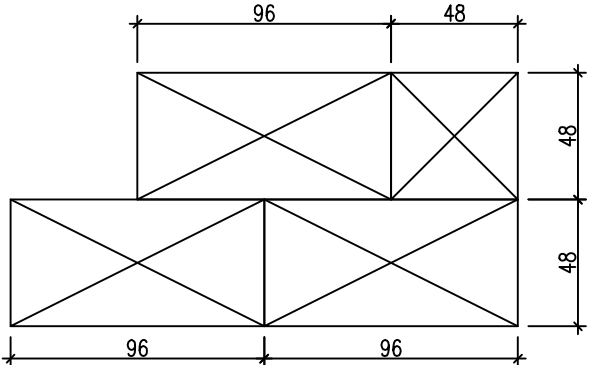
These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph w/116 wind Exp C
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME764-750-108R1
Allow. Floor Load: 40 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC



2x2 LEDGER FASTEN WITH 16D (0.162") X 3.5" NAILS. NAIL EACH SIDE OF JOISTS THEN 8" O.C. BETWEEN JOISTS.(MAY USE SIMPSON HUS46 HANGERS IN PLACE OF 2X2 LEDGER)



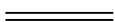
19/32" PLYWOOD OR OSB SHEATHING PERPENDICULAR TO JOIST W/NEXT ROW STAGGERED @4'-0" (STURDIFLOOR. EXP 1, 20" O.C.) T&G EDGES FASTENED W/100% PVA GLUE & $\frac{1}{4}$ "X2" NAILS 6" O.C. EDGES & FEILD.

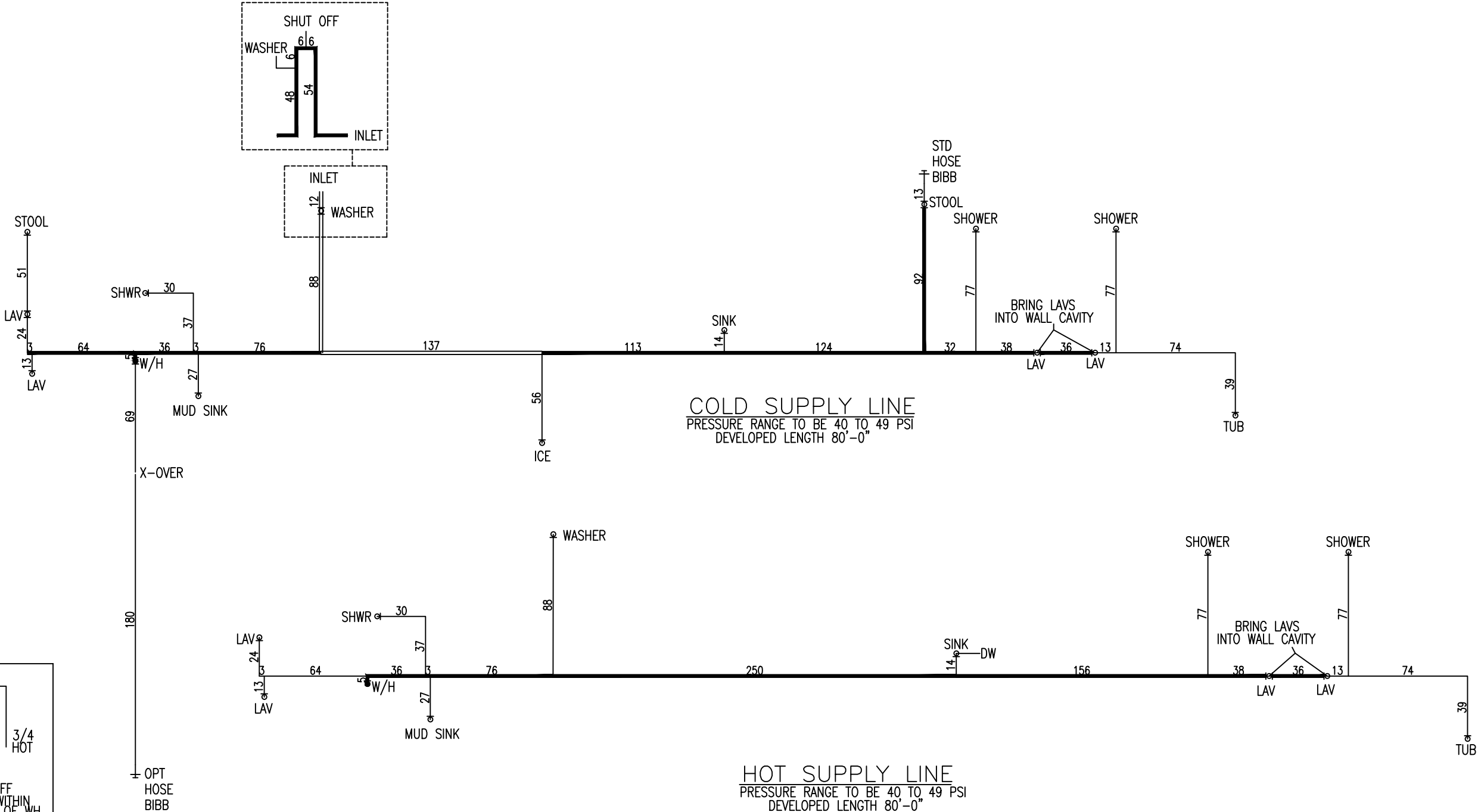
Destiny Industries, LLC

250 RW BRYANT ROAD MOULTRIE, GA 31778
PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

DATE: 7/16/2019	3RD PARTY INSPECTION AGENCY
CODES: 2017 FBC	NTA INC
LABELS: FLORIDA	305 NORTH OAKLAND AVE
SCALE: NTS	NAPPANEE, IN 46550
Contact: Dave Barts (574-773-2732)	
MODEL: MFT2437-ME764-750-108R1	DRAWN BY: Jerry Benton
DRAWING: FLOOR FRAMING	SHEET 6

ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104

PIPE LEGEND	
	1" PIPE
	3/4" PIPE
	1/2" PIPE



WATER HEATER DETAIL

3/4" T&P LINE SHALL DISCHARGE TO THE EXTERIOR OF TEH BUILDING OR TO AN INDIRECT WASTE RECEPTOR WITH A VISIBLE AIR GAP (MAY BE ON SITE BY OTHERS)

3/4" PAN DRAIN LINE SHALL EXTEND FULL SIZE TO THE EXTERIOR OF THE BUILDING AND TERMINATE 6 TO 24 INCHES ABOVE GRADE.

1 1/2" DEEP 24 GA GALVANIZED SHEET METAL OR MIN 1/16" THICK HIGH IMPACT PLASTIC SAFETY PAN.

3/4" COLD INLET

3/4" HOT

SHUT OFF VALVE WITHIN 3 FEET OF WH

DRAIN PAN

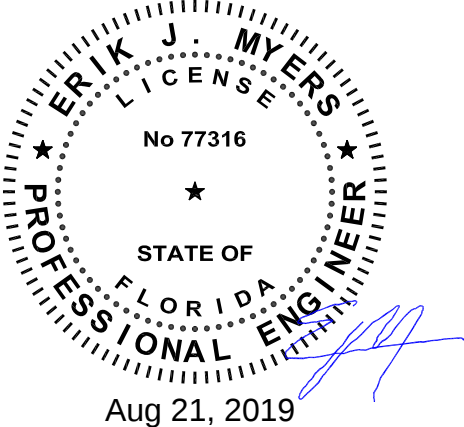
T&P RELIEF VALVE

- WATER HEATER NOTES:**
1. WATER HEATER SHALL BE PROVIDED WITH A COLD WATER "DIP" TUBE WITH A HOLE AT THE TOP OR A VACUM RELIEF VAVLE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE WATER HEATER TANK; BOTTOM FED WATER HEATERS SHALL HAVE A VACUM RELIEF VALVE COMPLYING WITH ANSI Z21.22 INSTALLED.
 2. WATER HEATERS SHALL BE PROVIDED WITH A TEMPERATURE AND PRESSURE RELIEF VALVE COMPLYING WITH ANSI Z21.22 INSTALLED IN THE SHELL OF THE WATER HEATER TANK. THE VALVE SHALL BE ACTUATED BY THE WATER IN IN THE TOP 6" OF THE TANK AND SHALL HAVE A TEMPERATURE RATING OF NOT MORE THAN 210°F AND A PRESSURE SETTING NOT EXCEEDING THE TANKS RATED WORKING PRESSURE OR 150 PSI, WHICHEVER IS LESS.
 3. WATER HEATERS SHALL BE EQUIPPED WITH AN ENERGY CUTOFF DEVICE THAT WILL CUT OFF THE SUPPLY OF HEAT ENERGY TO THE WATER TANK BEFORE THE TEMPERATURE OF THE WATER IN THE TANK EXCEEDS 210°F.

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

APPROVED BY
NIA INC.

Const. Type: VB Unprocted
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult. 116 v.asd. Exp.C
Fire Rating of Ext. Walls: 0 Hr.
Plan No: MFT2437-ME764-750-108R
Allow. Floor Load: 40 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC



Destiny Industries, LLC

250 RW BRYANT ROAD MOULTRIE, GA 31778

PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

DATE: 8/14/2019
CODES: 2017 FBC
LABELS: FLORIDA
SCALE: NTS

3RD PARTY INSPECTION AGENCY
NTA INC
305 NORTH OAKLAND AVE
NAPPANEE, IN 46550
Contact: Dave Barts (574-773-2732)

MODEL: MFT2437-ME764-750-108A
DRAWN BY: Jerry Benton

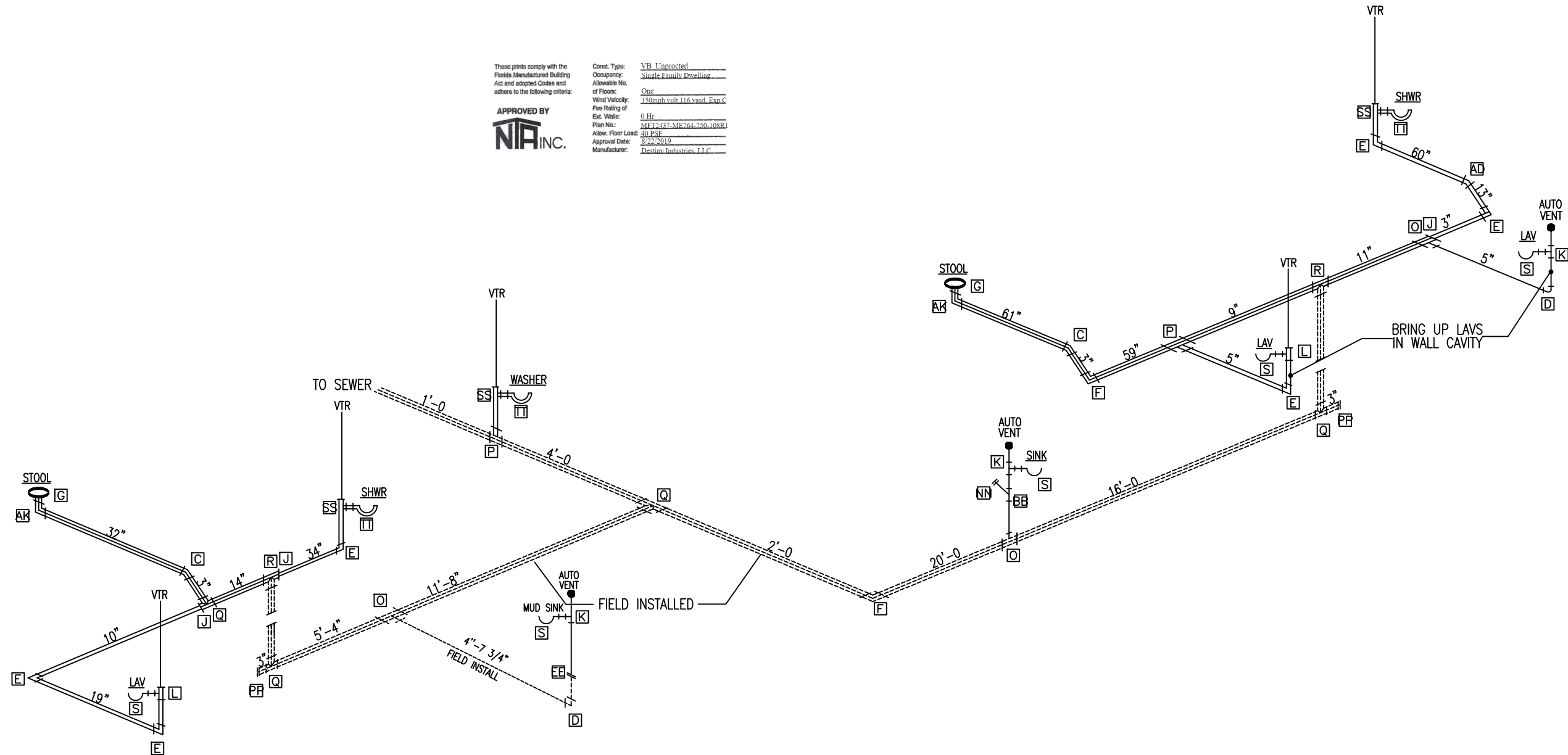
DRAWING: WATER SUPPLY
SHEET 7A

ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104

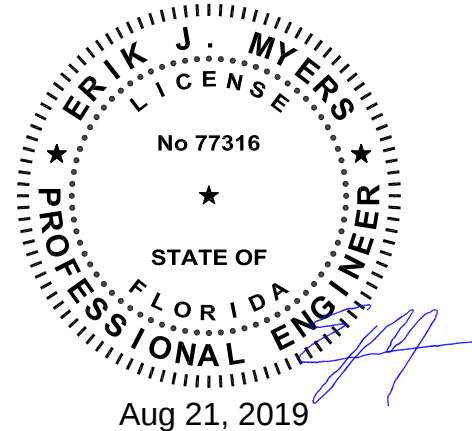
These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult. 116 v.asd. Exp. C
Fire Rating of Ext. Walls: 0 Hr.
Plan No.: MFT2437-ME764-750-108R1
Allow. Floor Load: 40 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC



LEGEND							
■ AUTO VENT		===== 3" PIPE		===== 2" PIPE		----- 1 1/2" PIPE	
FITTING SCHEDULE							
LET	DESCRIPTION	LET	DESCRIPTION	LET	DESCRIPTION	LET	DESCRIPTION
A	1 1/2"x45" LT-1/88	R	3" 3-WAY ELBOW	HH	1 1/2" SAN.TEE STREET	YY	4" CLOSET FLANGE
B	2"x45" LT-1/88	S	1 1/2"x 1 1/2" P-TRAP	II	2"x1 1/2"x 1 1/2" LTTY	ZZ	4" COUPLING
C	3"x45" LT-1/88	T	3" x 3" x 2" x 1 1/2" DBL.SAN. TEE	JJ	2"x1 1/2"x 2" LTTY	AB	1 1/2" CONTINUOUS WASTE
D	1 1/2"x90" LSWEEP-1/4B	U	3" x 3" x 1 1/2" SANITARY TEE	KK	2" 1/4b STREET	AC	1 1/2" x 22 1/2" ELBOW STR.
E	2"x90" LSWEEP 1/4B	V	1 1/2" x90" LSWEEP STREET ELL	LL	2" 45° WYE	AD	2" x 22 1/2" ELBOW STR.
F	3"x90" LSWEEP 1/4B	W	3" SANITARY TEE	MM	3" DBL. SAN. TEE	AE	3" x 3" x 2" x 2" DBL. SAN. TEE
G	4"x3" CLOSET FLANGE	X	3" x 3" x 1 1/2" WYE	NN	1 1/2" C.O. W/PLUG	AF	2" x 1 1/2"x 1 1/2" SAN.TEE STR.
H	2" x 1 1/2" FLUSH BUSH.	Y	2" 3-WAY ELBOW	OO	2" C.O. W/ PLUG	AG	2" x 1 1/2"x 1 1/2" 3-WAY ELBOW
I	3" x 1 1/2" FLUSH BUSH.	Z	2" x 2" x 1 1/2" LTTY.	PP	3" C.O. W/ PLUG	AH	3" x 22 1/2" 1/168 ELB
J	3" x 2" FLUSH BUSH.	AA	3" x 3" x 2" TEE	QQ	2" x 2" x 1 1/2" x WYE REDUCING	AI	1 1/2" 3-WAY ELBOW
K	1 1/2" SANITARY TEE	BB	1 1/2" x 45° WYE	RR	1 1/2" x 1/4" BEND	AJ	2" x 22 1/2" 1/168 ELBOW
L	2" x 1 1/2" x 1 1/2" SANITARY TEE	CC	2" x 90° LSWEEP STREET ELL	SS	2" x 1 1/2" x 2" SAN. TEE	AK	4" x 3" CLOSET BEND STR.
M	1 1/2" LTTY	DD	1 1/2" x 45° STREET 1/88	TT	2" P-TRAP		(CUT DOWN 1.5")
N	2" LTTY	EE	1 1/2" COUPLING	UU	2" x 45° 1/8b STREET	AL	3" x 3" x 3" WYE
O	3" x 3" x 1 1/2" LTTY	FF	3" COUPLING	VV	2" COUPLING	AM	3" 1/4" BEND
P	3" x 3" x 2" LTTY	GG	1 1/2" x P-TRAP @ WASHER	WW	3" x 45° 1/8b STREET	AN	2" x 3" PIPE INCREASER
Q	3" LTTY			XX	2" x SANITARY TEE	AO	3" x 3" x 2" WYE



Aug 21, 2019



250 RW BRYANT ROAD
MOULTRIE, GA 31778

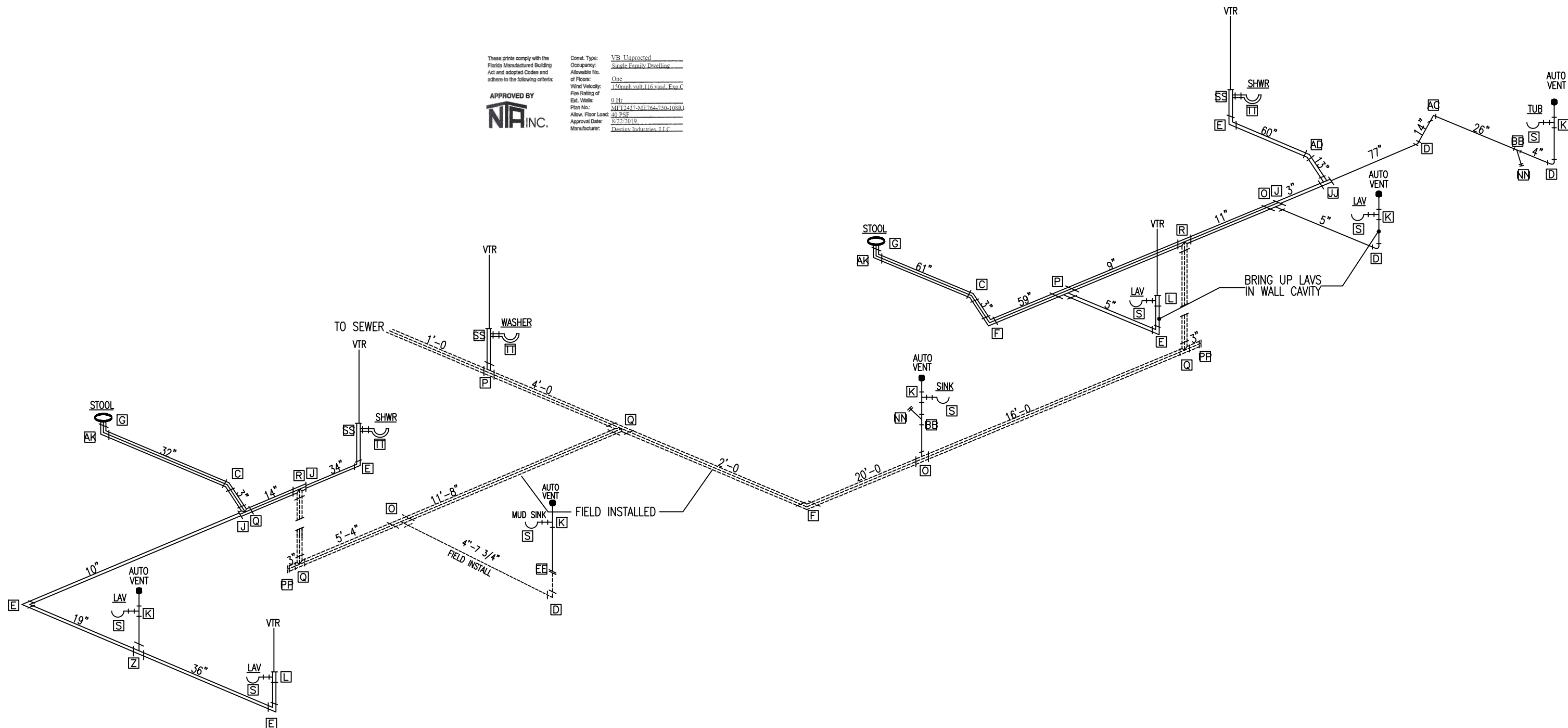
PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

DATE: 7/16/2019	3RD PARTY INSPECTION AGENCY
CODES: 2017 FBC	NTA INC
LABELS: FLORIDA	305 NORTH OAKLAND AVE
SCALE: NTS	NAPPANEE, IN 46550
MODEL: MFT2437-ME764-750-108R1	Contact: Dave Barts (574-773-2732)
DRAWING: DRAIN LINES	DRAWN BY: Jerry Benton
	SHEET 8

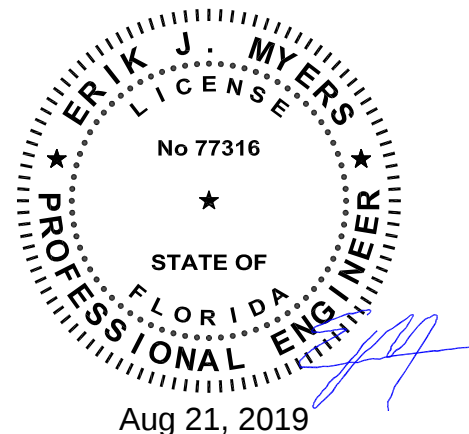
ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult. 116 vasyd. Exp. C
Fire Rating of Ext. Walls: 0 HR
Plan No.: MEF2437-ME764-750-10SR
Allow. Floor Load: 40 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, I.L.C.



LEGEND							
 AUTO VENT		 3" PIPE		 2" PIPE		 1 1/2" PIPE	
FITTING SCHEDULE							
LET	DESCRIPTION	LET	DESCRIPTION	LET	DESCRIPTION	LET	DESCRIPTION
A	1 1/2"x45" LT-1/88			HH	1 1/2" SAN.TEE STREET	YY	4" CLOSET FLANGE
B	2"x45" LT-1/88	R	3" 3-WAY ELBOW	II	2"x1 1/2"x 1 1/2" LTTY	ZZ	4" COUPLING
C	3"x45" LT-1/88	S	1 1/2"x 1 1/2" P-TRAP	JJ	2"x1 1/2"x 2" LTTY	AB	1 1/2" CONTINUOUS WASTE
D	1 1/2"x90" LSWEEP-1/4B	T	3" x 3" x 2" x 1 1/2" DBL.SAN. TEE	KK	2" 1/4b STREET	AC	1 1/2" x 22 1/2" ELBOW STR.
E	2"x90" LSWEEP 1/4B	U	3" x 3" x 1 1/2" SANITARY TEE	LL	2" 45" WYE	AD	2" x 22 1/2" ELBOW STR.
F	3"x90" LSWEEP 1/4B	V	1 1/2" x90" LSWEEP STREET ELL	MM	3" DBL. SAN. TEE	AE	3" x 3" x 2" x 2" DBL. SAN. TEE
G	4"x3" CLOSET FLANGE	W	3" SANITARY TEE	NN	1 1/2" C.O. W/PLUG	AF	2" x 1 1/2"x 1 1/2" SAN.TEE STR.
H	2" x 1 1/2" FLUSH BUSH.	X	3"x 3"x 1 1/2" WYE	OO	2" C.O. W/ PLUG	AG	2" x 1 1/2"x 1 1/2" 3-WAY ELBOW
I	3" x 1 1/2" FLUSH BUSH.	Y	2" 3-WAY ELBOW	PP	3" C.O. W/ PLUG	AH	3" x 22 1/2" 1/168 ELB
J	3" x 2" FLUSH BUSH.	Z	2" x 2" x 1 1/2" LTTY.	QQ	2" x 2" x 1 1/2" x WYE REDUCING	AI	1 1/2" 3-WAY ELBOW
K	1 1/2" SANITARY TEE	AA	3" x 3" x 2" TEE	RR	1 1/2" x 1/4" BEND	AJ	2" x 22 1/2" 1/168 ELBOW
L	2" x 1 1/2" x 1 1/2" SANITARY TEE	BB	1 1/2" x 45" WYE	SS	2" x 1 1/2" x 2" SAN. TEE	AK	4" x 3" CLOSET BEND STR.
M	1 1/2" LTTY	CC	2" x 90" LSWEEP STREET ELL	TT	2" P-TRAP		(CUT DOWN 1.5")
N	2" LTTY	DD	1 1/2" x 45" STREET 1/88	UU	2" x 45" 1/8b STREET	AL	3" x 3" x 3" WYE
O	3" x 3" x 1 1/2" LTTY	EE	1 1/2" COUPLING	VV	2" COUPLING	AM	3" 1/4" BEND
P	3" x 3" x 2" LTTY	FF	3" COUPLING	WW	3" x 45" 1/8b STREET	AN	2" x 3" PIPE INCREASER
Q	3" LTTY	GG	1 1/2" x P-TRAP @ WASHER	XX	2" x SANITARY TEE	AO	3" x 3" x 2" WYE



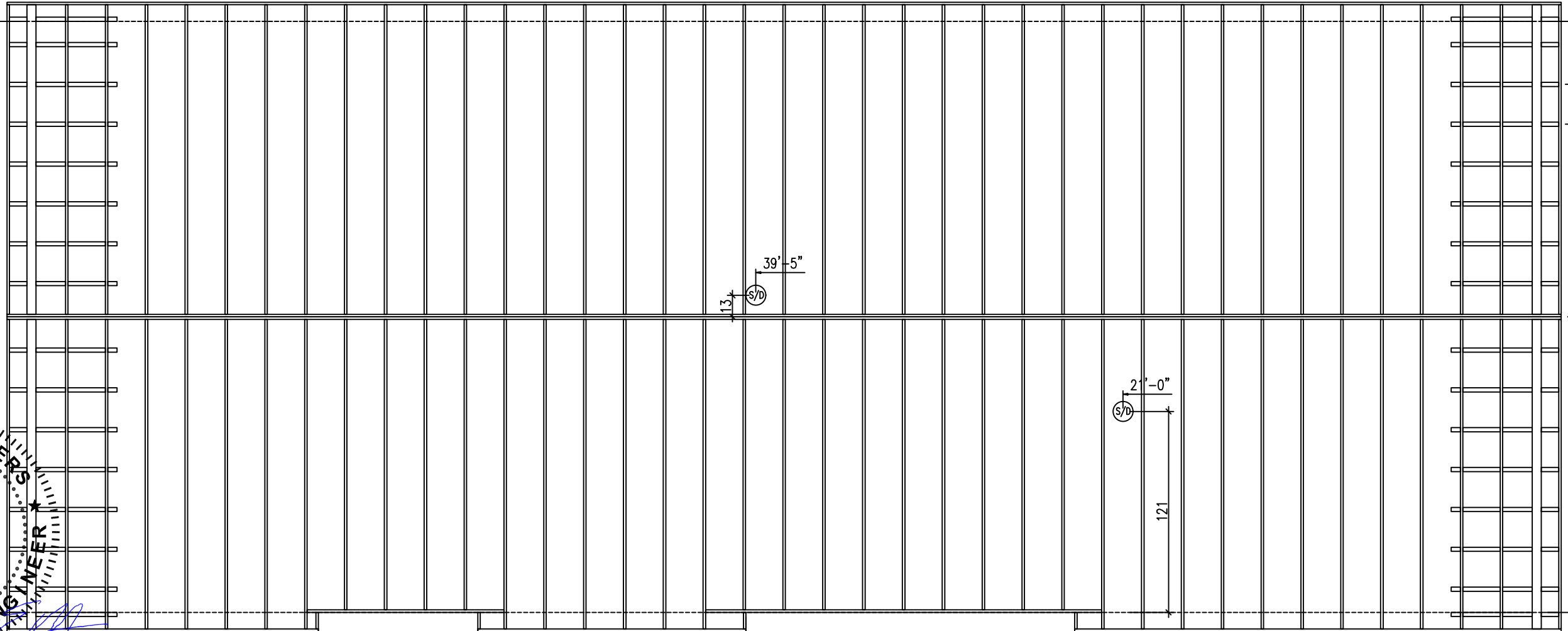
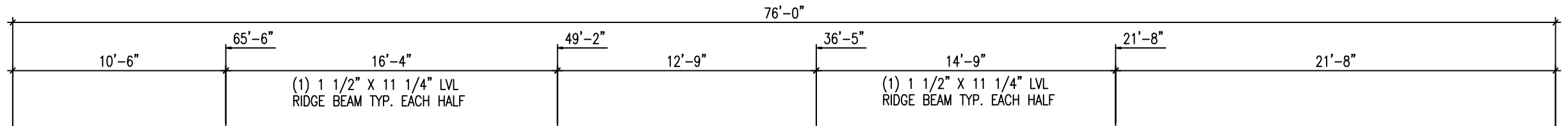
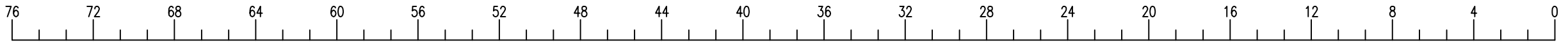
250 RW BRYANT ROAD PHONE: 1-229-985-6200
MOULTRIE, GA 31778 E-MAIL: destinyhomebuilders.com

DATE:	7/16/2019	3RD PARTY INSPECTION AGENCY
CODES:	2017 FBC	NTA INC
LABELS:	FLORIDA	305 NORTH OAKLAND AVE
SCALE:	NTS	NAPPANEE, IN 46550
		Contact: Dave Barts (574-773-2732)

MODEL:	MFT2437-ME764-750-108 R1	DRAWN BY:	Jerry Benton
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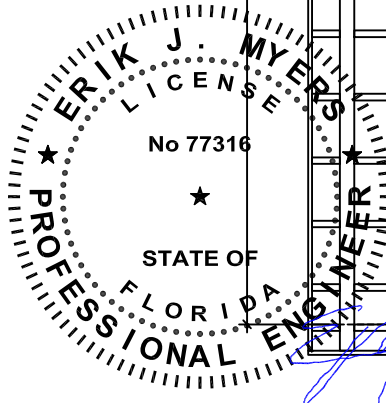
DRAWING:	SHEET
DRAIN LINES	8A

ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104



B-HALF
HITCH END

A-HALF
HITCH END



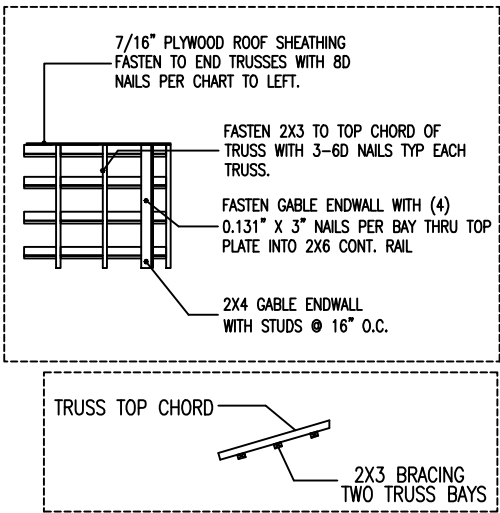
Aug 21, 2019



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

APPROVED BY
NIA INC.

Const. Type:	VB Unprojected
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	One
Wind Velocity:	150mph vail. 116 v.asd. Exp C
Fire Rating of Ext. Walls:	0 Hr
Plan No.:	MFT2437-ME764-750-108R1
Allow. Floor Load:	40 PSF
Approval Date:	8/22/2019
Manufacturer:	Destiny Industries, LLC



SUCTION FASTENING REQUIREMENTS		
FASTEN DECKING WITH (.113") X 2.38" NAILS		
	EDGE	FIELD
ZONE 1	6" O.C.	12" O.C.
ZONE 2	6" O.C.	12" O.C.
ZONE 2 OH	6" O.C.	10.4" O.C.
ZONE 3	6" O.C.	8.9" O.C.
ZONE 3 OH	6" O.C.	6.4" O.C.

250 PLF ROOD DECKING

③	②	③
②	①	②
③	②	③
③	②	③
②	①	②
③	②	③

B-HALF
HITCH END

A-HALF
HITCH END

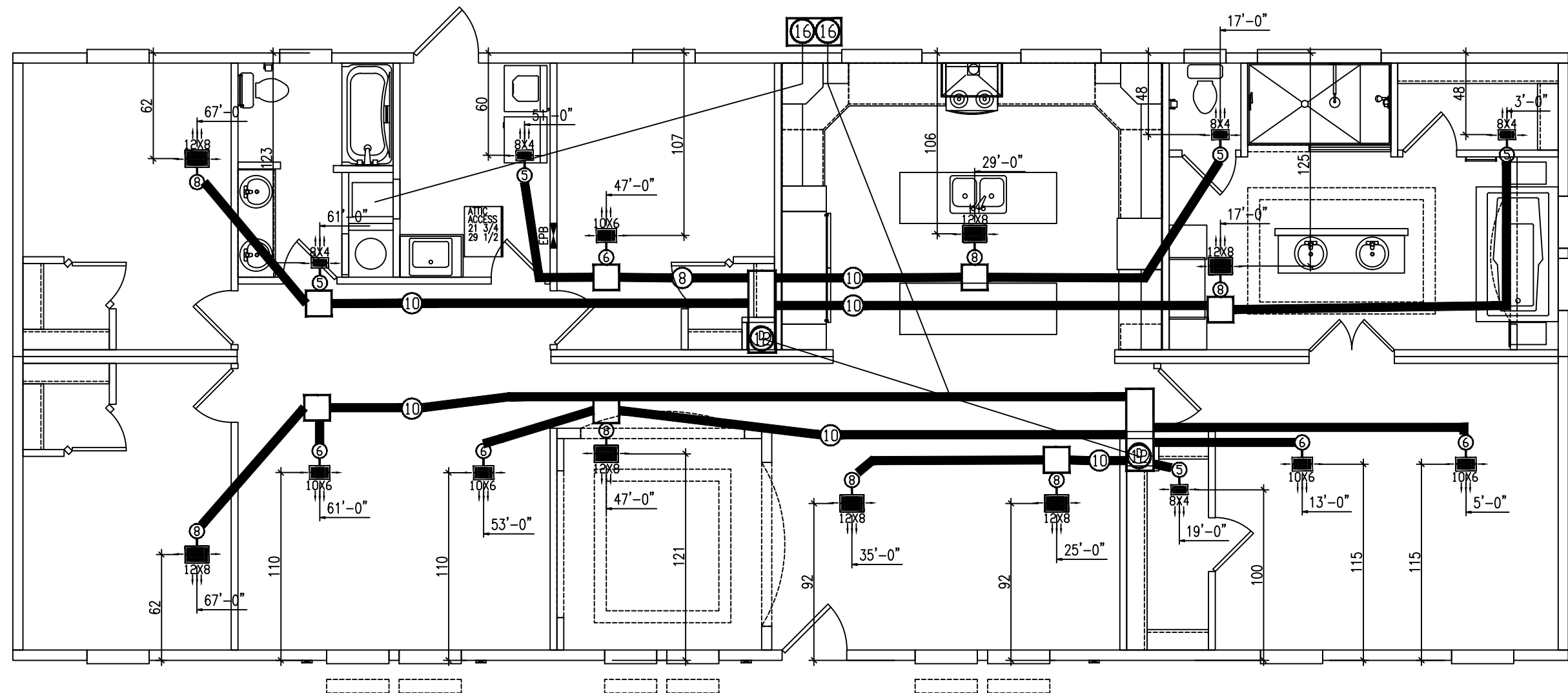
Destiny Industries, LLC

250 RW BRYANT ROAD
MOULTRIE, GA 31778

PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

DATE: 7/16/2019	3RD PARTY INSPECTION AGENCY
CODES: 2017 FBC	NTA INC
LABELS: FLORIDA	305 NORTH OAKLAND AVE
SCALE: NTS	NAPPANEE, IN 46550
Contact: Dave Barts (574-773-2732)	
MODEL: MFT2437-ME764-750-108R1	DRAWN BY: Jerry Benton
DRAWING: ROOF LAYOUT	SHEET 9

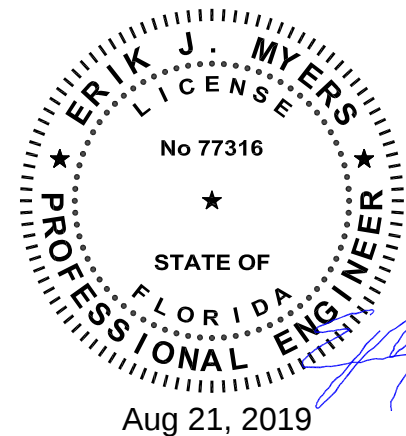
ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104



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

APPROVED BY
 NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult. 116 v.s.s.d. Exp. C
Fire Rating of Ext. Walls: 0 Hr.
Plan No.: MFT2437-ME764-750-108R
Allow. Floor Load: 40 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC



Aug 21, 2019



250 RW BRYANT ROAD MOULTRIE, GA 31778
PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

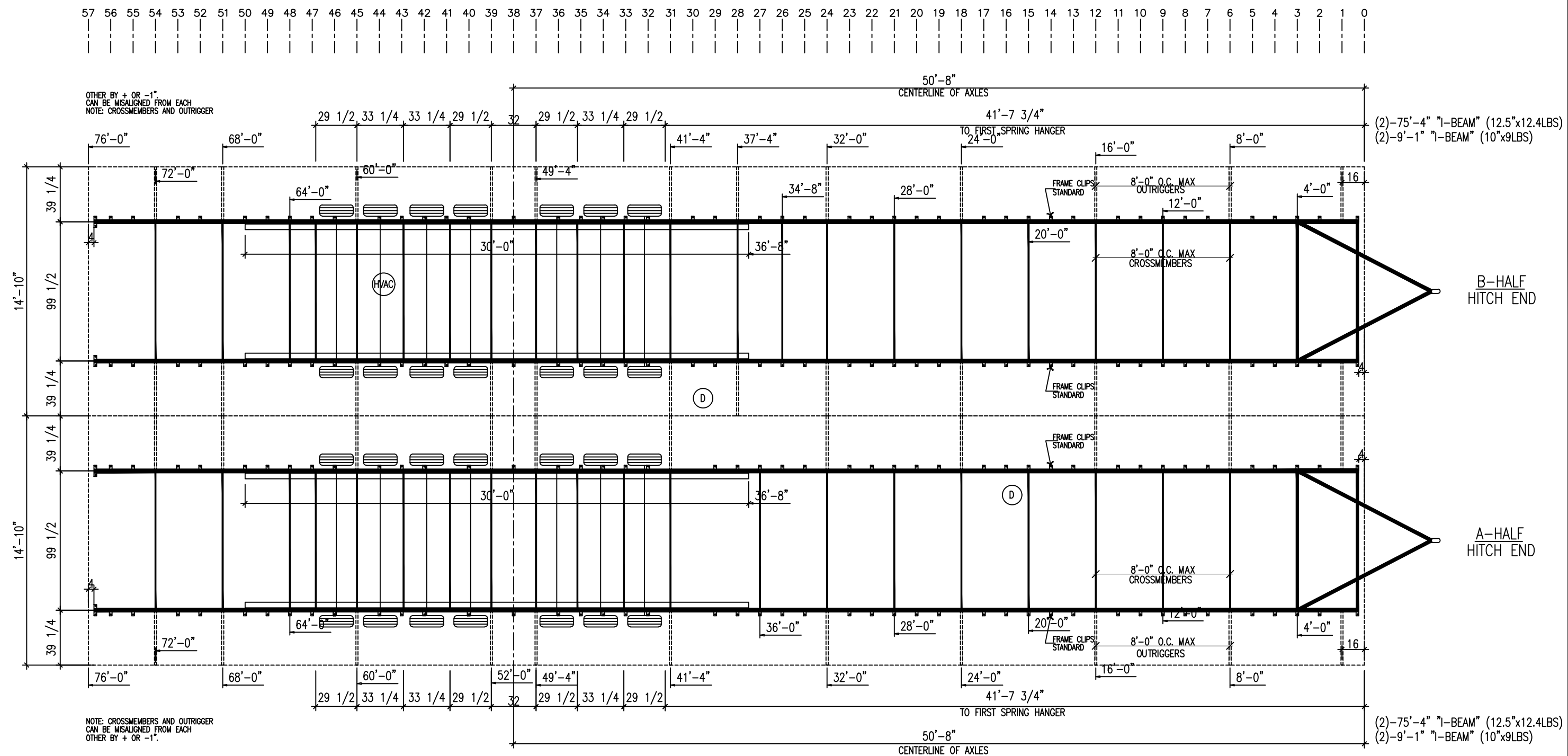
DATE: 7/16/2019
CODES: 2017 FBC
LABELS: FLORIDA
SCALE: NTS

3RD PARTY INSPECTION AGENCY
NTA INC
305 NORTH OAKLAND AVE
NAPPANEE, IN 46550
Contact: Dave Barts (574-773-2732)

MODEL: MFT2437-ME764-750-108 R1
DRAWING: HVAC LAYOUT

DRAWN BY: Jerry Benton
SHEET 10A

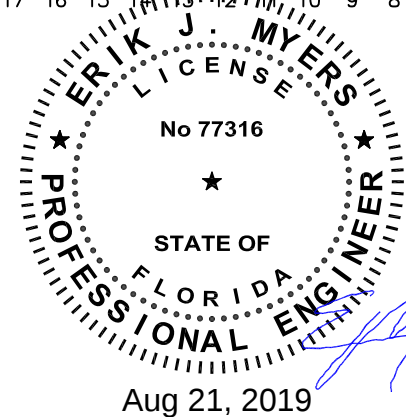
ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104



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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph, vult. 116, vasc. Exp. C
Fire Rating of Ext. Walls: 0 Hr.
Plan No.: MFT2437-ME764-750-108R1
Allow. Floor Load: 40 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC



Destiny Industries, LLC

250 RW BRYANT ROAD MOULTRIE, GA 31778
PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

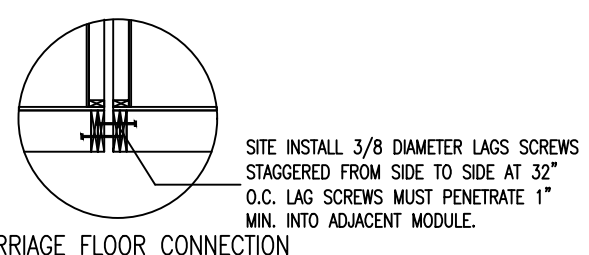
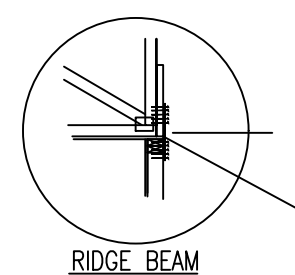
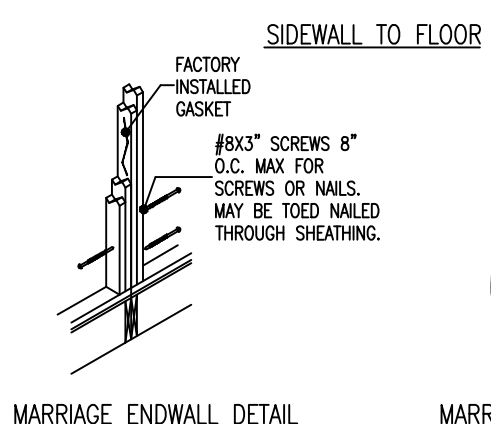
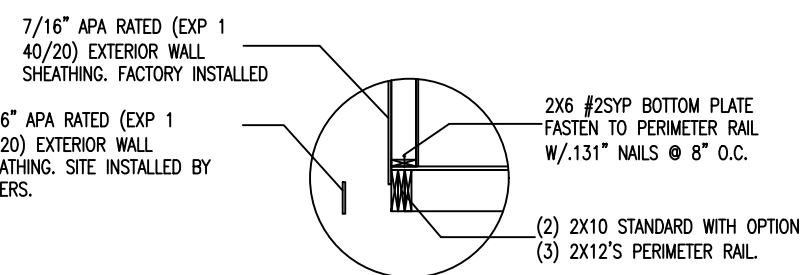
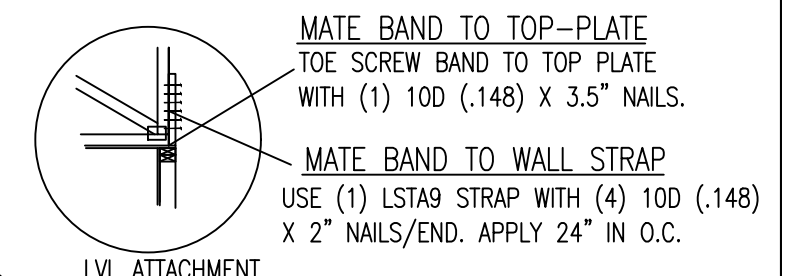
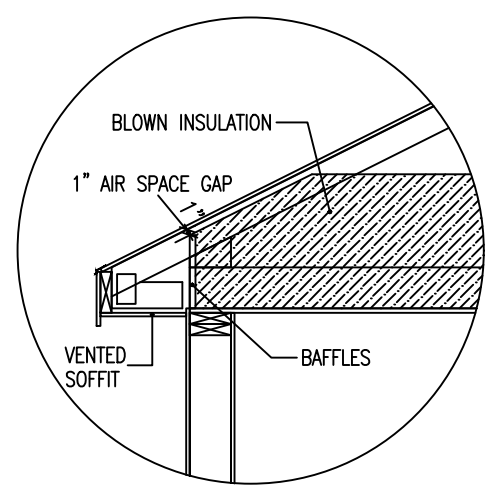
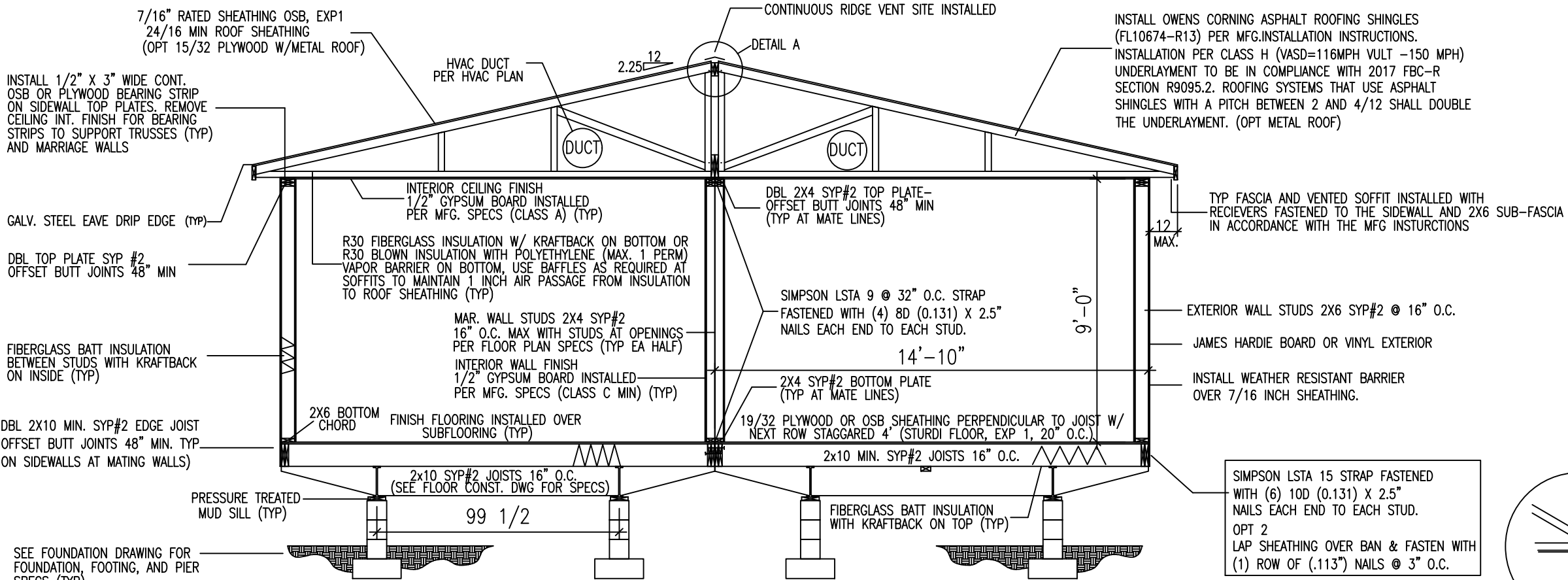
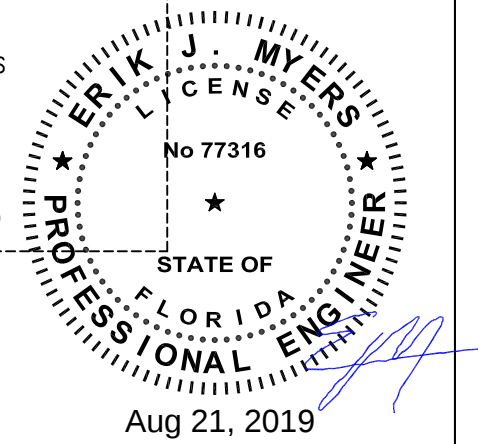
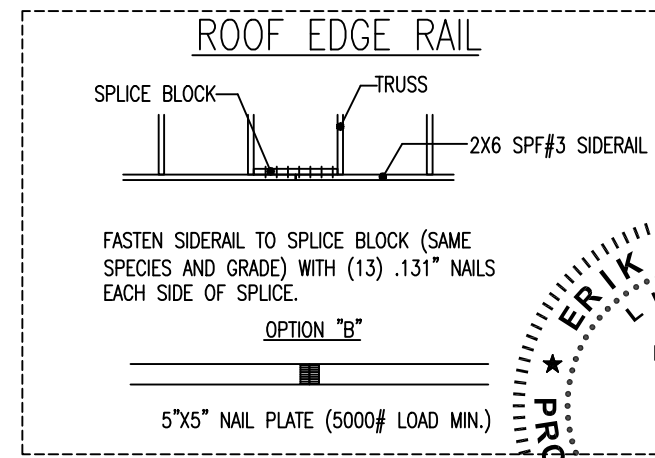
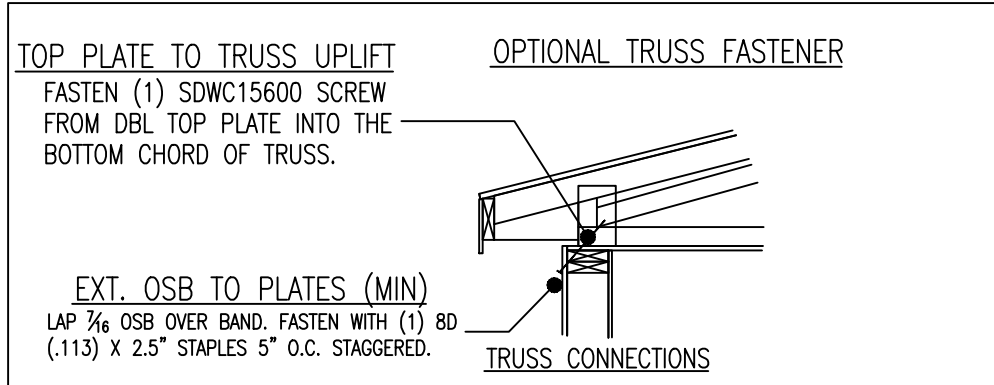
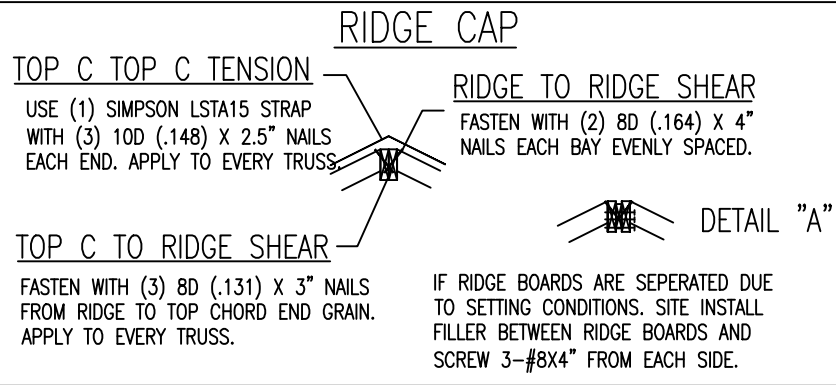
DATE: 7/16/2019
CODES: 2017 FBC
LABELS: FLORIDA
SCALE: NTS

3RD PARTY INSPECTION AGENCY
NTA INC
305 NORTH OAKLAND AVE
NAPPANEE, IN 46550
Contact: Dave Barts (574-773-2732)

MODEL: MFT2437-ME764-750-108R1
DRAWN BY: Jerry Benton

DRAWING: CHASSIS PLAN
SHEET 11

ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104



GENERAL NOTES:

EXTERIOR JOINTS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF AIR LEAKAGE, SUCH AS AROUND WINDOWS AND DOOR FRAMES, BETWEEN WALL CAVITIES AND WINDOWS OR DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AND ROOF/CEILING AND BETWEEN ALL WALL PANELS, OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH WALLS, FLOORS, AND ROOFS, AND ALL OTHER SUCH OPENINGS IN THE BUILDING ENVELOPE SHALL BE CAULKED, GASKETED, WEATHER STRIPPED, OR OTHERWISE SEALED IN AN APPROVED MANNER.

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult 116 vasd, Exp C
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME764-750-108R1
Allow. Floor Load: 30 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC

Destiny Industries, LLC

250 RW BRYANT ROAD MOULTRIE, GA 31778
PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

DATE: 7/16/2019
CODES: 2017 FBC
LABELS: FLORIDA
SCALE: NTS

3RD PARTY INSPECTION AGENCY
NTA INC
305 NORTH OAKLAND AVE
NAPPANEE, IN 46550
Contact: Dave Barts (574-773-2732)

MODEL: MFT2437-ME764-750-108A
DRAWING: CROSS SECTION

DRAWN BY: Jerry Benton
SHEET 12

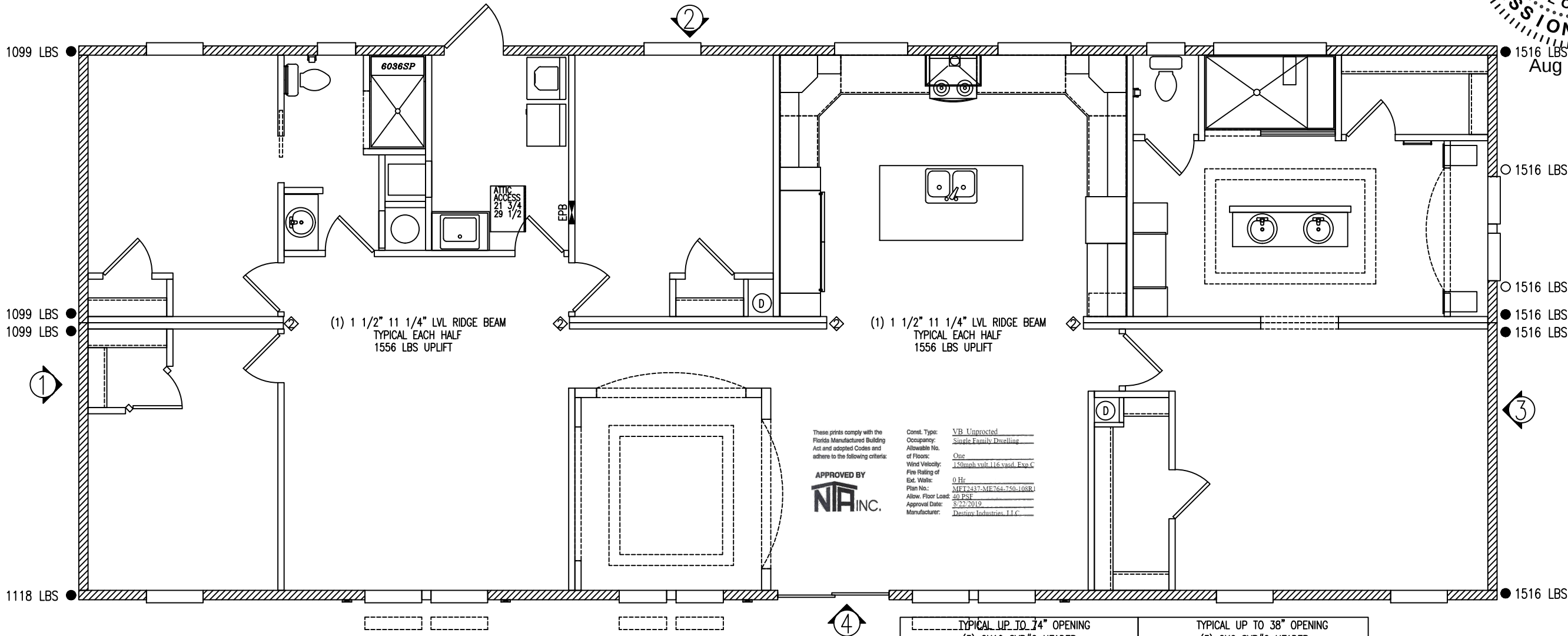
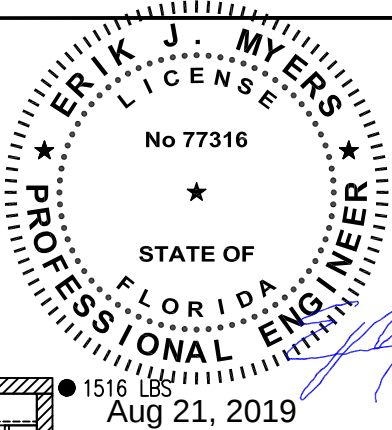
ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104

SHEARWALL	PLF	SHEARWALL DESCRIPTION	EDGES	FIELD
①	123	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	12" O.C.
②	84	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	12" O.C.
③	169	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	12" O.C.
④	125	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	12" O.C.

FASTEN SHEATHING OVER TOP PLATES AND FASTEN WITH 0.113" X 2.375" NAILS AT 4" O.C.

- = TIE SHEARWALLS STUDS/CHORDS TO FLOOR BAND
● = TIE SHEARWALLS CHORDS/COLUMNS TO GROUND FOR UPLIFT SHOWN
- BLOCK RIM JOIST AT STRAP LOCATIONS FOR ON FRAME OPTION
BLOCKING REQUIRED AT MARRIAGE WALL OPENINGS

SIMPSON LSTA9 = 740 LBS
SIMPSON LSTA12 = 925 LBS
SIMPSON LSTA15 = 1,110 LBS
SIMPSON MSTA12 = 940 LBS
SIMPSON CMST12 = 38" LONG 9,215 LBS
SIMPSON CMST14 = 30" LONG 6,475 LBS

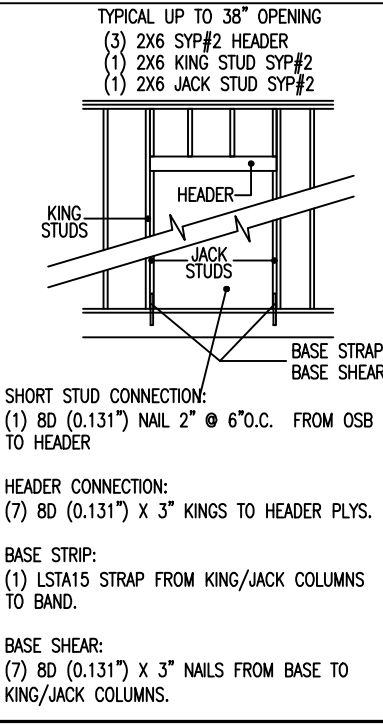
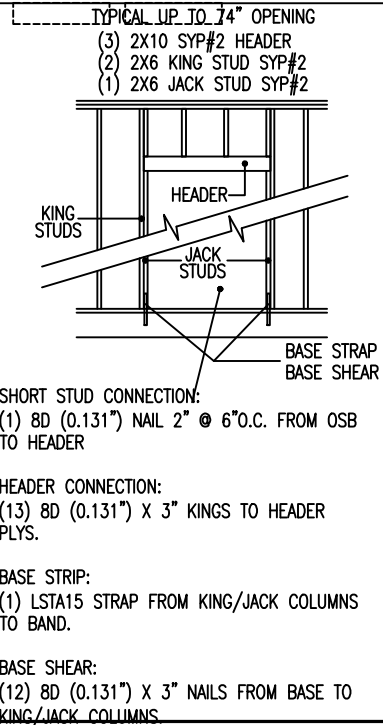


These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult. 116 vased. Exp. C
Fire Rating of Ext. Walls: 0 Hr.
Plan No.: MFT2437-ME764-750-108R1
Allow. Floor Load: 40 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC

WALL 1 <u>GABLE END PLATE TO TOP PLATE</u> FASTENING OPTIONS 2 .131" TOE NAIL PER BAY 2 #8 TOE SCREW PER BAY	WALL 2 <u>TRUSS TO TOP PLATE</u> FASTENING OPTIONS 3 .131" TOE NAIL PER BAY 3 #8 TOE SCREW PER BAY	WALL 3 <u>GABLE END PLATE TO TOP PLATE</u> FASTENING OPTIONS 2 .131" TOE NAIL PER BAY 2 #8 TOE SCREW PER BAY	WALL 4 <u>GABLE END PLATE TO TOP PLATE</u> FASTENING OPTIONS 3 .131" TOE NAIL PER BAY 3 #8 TOE SCREW PER BAY
<u>BOTTOM PLATE TO FLOOR (SHEATHING LAP)</u> FASTENING OPTIONS 1 .131" TOE NAIL PER BAY	<u>BOTTOM PLATE TO FLOOR (SHEATHING LAP)</u> FASTENING OPTIONS 1 .131" TOE NAIL PER BAY	<u>BOTTOM PLATE TO FLOOR (SHEATHING LAP)</u> FASTENING OPTIONS 1 .131" TOE NAIL PER BAY	<u>BOTTOM PLATE TO FLOOR (SHEATHING LAP)</u> FASTENING OPTIONS 1 .131" TOE NAIL PER BAY
<u>SHEATHING TO TOP PLATE/BAND (STRAP)</u> FASTENING OPTIONS 6" O.C. .113" NAILS	<u>SHEATHING TO TOP PLATE/BAND (STRAP)</u> FASTENING OPTIONS 6" O.C. .113" NAILS	<u>SHEATHING TO TOP PLATE/BAND (STRAP)</u> FASTENING OPTIONS 6" O.C. .113" NAILS	<u>SHEATHING TO TOP PLATE/BAND (STRAP)</u> FASTENING OPTIONS 6" O.C. .113" NAILS
<u>SHEATHING TO FLOOR BAND (STRAPS)</u> FASTENING OPTIONS 6" O.C. .113" NAILS	<u>SHEATHING TO FLOOR BAND (STRAPS)</u> FASTENING OPTIONS 6" O.C. .113" NAILS	<u>SHEATHING TO FLOOR BAND (STRAPS)</u> FASTENING OPTIONS 6" O.C. .113" NAILS	<u>SHEATHING TO FLOOR BAND (STRAPS)</u> FASTENING OPTIONS 6" O.C. .113" NAILS
<u>SHEATHING TO FLOOR BAND (WITHOUT STRAPS)</u> FASTENING OPTIONS 6" O.C. .113" NAILS	<u>SHEATHING TO FLOOR BAND (WITHOUT STRAPS)</u> FASTENING OPTIONS 4" O.C. .113" NAILS	<u>SHEATHING TO FLOOR BAND (WITHOUT STRAPS)</u> FASTENING OPTIONS 6" O.C. .113" NAILS	<u>SHEATHING TO FLOOR BAND (WITHOUT STRAPS)</u> FASTENING OPTIONS 3" O.C. .113" NAILS



Destiny Industries, LLC

250 RW BRYANT ROAD
MOULTRIE, GA 31778

PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

DATE: 7/16/2019	3RD PARTY INSPECTION AGENCY NTA INC 305 NORTH OAKLAND AVE NAPPANEE, IN 46550 Contact: Dave Barts (574-773-2732)
CODES: 2017 FBC	
LABELS: FLORIDA	
SCALE: NTS	
MODEL: MFT2437-ME764-750-108R1	DRAWN BY: Jerry Benton
DRAWING: SHEARWALLS	SHEET 13

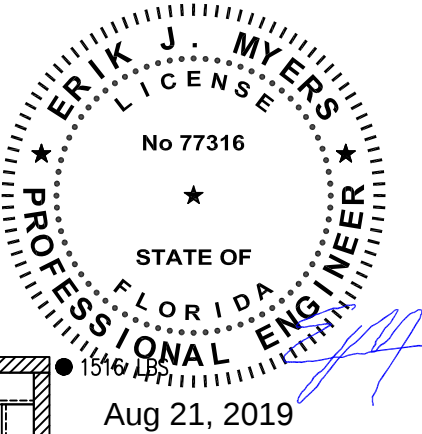
ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104

SHEARWALL	PLF	SHEARWALL DESCRIPTION	EDGES	FIELD
①	123	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	12" O.C.
②	84	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	12" O.C.
③	169	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	12" O.C.
④	125	7/16" MIN. OSB SHEATHING FASTENED WITH 0.113" X 2 3/8" NIALS	6" O.C.	12" O.C.

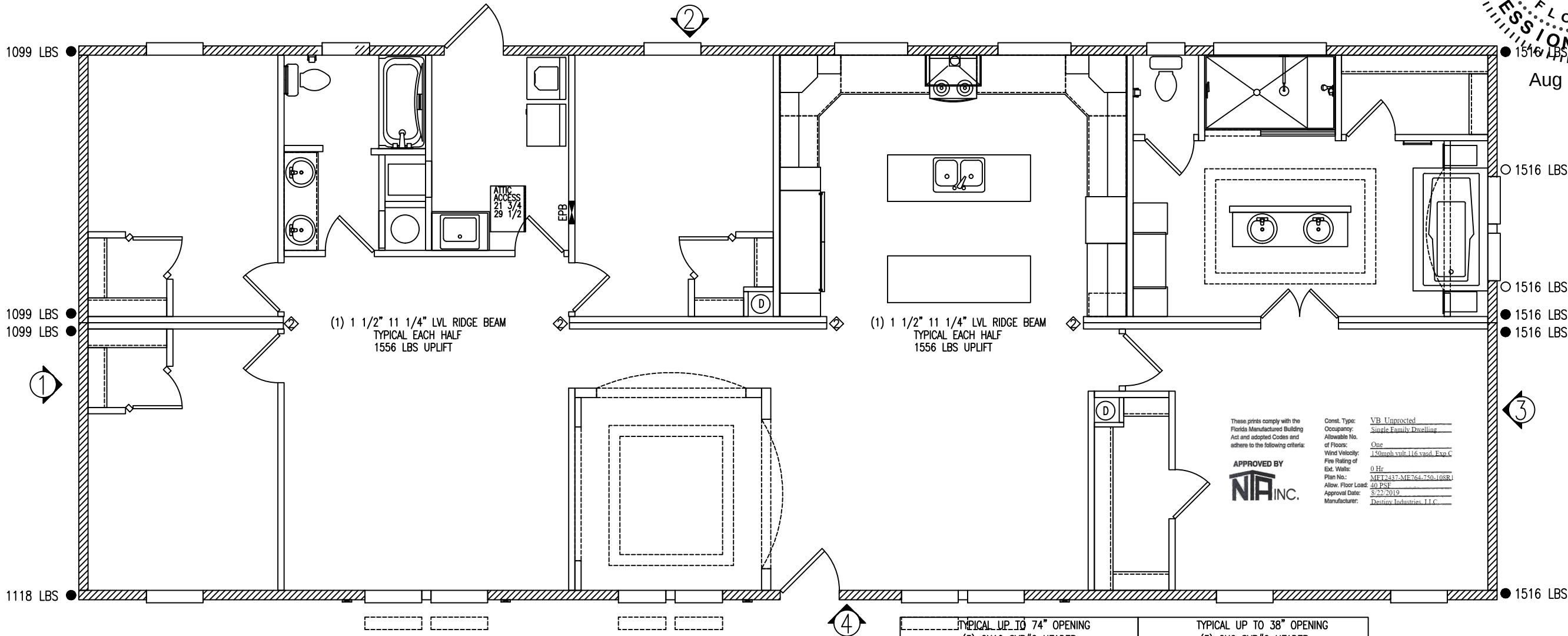
FASTEN SHEATHING OVER TOP PLATES AND FASTEN WITH 0.113" X 2.375" NAILS AT 4" O.C.

- = TIE SHEARWALLS STUDS/CHORDS TO FLOOR BAND
● = TIE SHEARWALLS CHORDS/COLUMNS TO GROUND FOR UPLIFT SHOWN
- BLOCK RIM JOIST AT STRAP LOCATIONS FOR ON FRAME OPTION
BLOCKING REQUIRED AT MARRIAGE WALL OPENINGS

SIMPSON LSTA9 = 740 LBS
SIMPSON LSTA12 = 925 LBS
SIMPSON LSTA15 = 1,110 LBS
SIMPSON MST12 = 940 LBS
SIMPSON CMST12 = 38" LONG 9,215 LBS
SIMPSON CMST14 = 30" LONG 6,475 LBS



Aug 21, 2019



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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150mph vult. 116 vascd. Exp C
Fire Rating of Ext. Walls: 0 Hr
Plan No.: MFT2437-ME764-750-108R
Allow. Floor Load: 50 PSF
Approval Date: 8/22/2019
Manufacturer: Destiny Industries, LLC

WALL 1
GABLE END PLATE TO TOP PLATE
FASTENING OPTIONS
2 .131" TOE NAIL PER BAY
2 #8 TOE SCREW PER BAY

WALL 2
TRUSS TO TOP PLATE
FASTENING OPTIONS
3 .131" TOE NAIL PER BAY
3 #8 TOE SCREW PER BAY

WALL 3
GABLE END PLATE TO TOP PLATE
FASTENING OPTIONS
2 .131" TOE NAIL PER BAY
2 #8 TOE SCREW PER BAY

WALL 4
GABLE END PLATE TO TOP PLATE
FASTENING OPTIONS
3 .131" TOE NAIL PER BAY
3 #8 TOE SCREW PER BAY

BOTTOM PLATE TO FLOOR (SHEATHING LAP)
FASTENING OPTIONS
1 .131" TOE NAIL PER BAY

BOTTOM PLATE TO FLOOR (SHEATHING LAP)
FASTENING OPTIONS
1 .131" TOE NAIL PER BAY

BOTTOM PLATE TO FLOOR (SHEATHING LAP)
FASTENING OPTIONS
1 .131" TOE NAIL PER BAY

BOTTOM PLATE TO FLOOR (SHEATHING LAP)
FASTENING OPTIONS
1 .131" TOE NAIL PER BAY

SHEATHING TO TOP PLATE/BAND (STRAP)
FASTENING OPTIONS
6" O.C. .113" NAILS

SHEATHING TO TOP PLATE/BAND (STRAP)
FASTENING OPTIONS
6" O.C. .113" NAILS

SHEATHING TO TOP PLATE/BAND (STRAP)
FASTENING OPTIONS
6" O.C. .113" NAILS

SHEATHING TO TOP PLATE/BAND (STRAP)
FASTENING OPTIONS
6" O.C. .113" NAILS

SHEATHING TO FLOOR BAND (STRAPS)
FASTENING OPTIONS
6" O.C. .113" NAILS

SHEATHING TO FLOOR BAND (STRAPS)
FASTENING OPTIONS
6" O.C. .113" NAILS

SHEATHING TO FLOOR BAND (STRAPS)
FASTENING OPTIONS
6" O.C. .113" NAILS

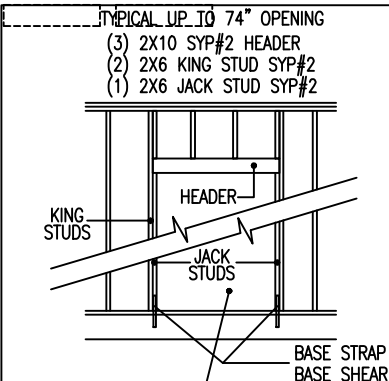
SHEATHING TO FLOOR BAND (STRAPS)
FASTENING OPTIONS
6" O.C. .113" NAILS

SHEATHING TO FLOOR BAND (WITHOUT STRAPS)
FASTENING OPTIONS
6" O.C. .113" NAILS

SHEATHING TO FLOOR BAND (WITHOUT STRAPS)
FASTENING OPTIONS
4" O.C. .113" NAILS

SHEATHING TO FLOOR BAND (WITHOUT STRAPS)
FASTENING OPTIONS
6" O.C. .113" NAILS

SHEATHING TO FLOOR BAND (WITHOUT STRAPS)
FASTENING OPTIONS
3" O.C. .113" NAILS

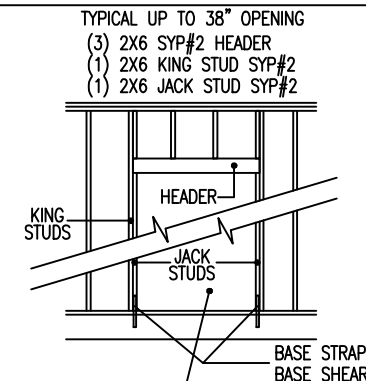


SHORT STUD CONNECTION:
(1) 8D (0.131") NAIL 2" @ 6" O.C. FROM OSB TO HEADER

HEADER CONNECTION:
(13) 8D (0.131") X 3" KINGS TO HEADER PLYS.

BASE STRIP:
(1) LSTA15 STRAP FROM KING/JACK COLUMNS TO BAND.

BASE SHEAR:
(12) 8D (0.131") X 3" NAILS FROM BASE TO KING/JACK COLUMNS.



SHORT STUD CONNECTION:
(1) 8D (0.131") NAIL 2" @ 6" O.C. FROM OSB TO HEADER

HEADER CONNECTION:
(7) 8D (0.131") X 3" KINGS TO HEADER PLYS.

BASE STRIP:
(1) LSTA15 STRAP FROM KING/JACK COLUMNS TO BAND.

BASE SHEAR:
(7) 8D (0.131") X 3" NAILS FROM BASE TO KING/JACK COLUMNS.



250 RW BRYANT ROAD MOULTRIE, GA 31778
PHONE: 1-229-985-6200
E-MAIL: destinyhomebuilders.com

DATE: 7/16/2019
CODES: 2017 FBC
LABELS: FLORIDA
SCALE: NTS
3RD PARTY INSPECTION AGENCY
NTA INC
305 NORTH OAKLAND AVE
NAPPANEE, IN 46550
Contact: Dave Barts (574-773-2732)

MODEL: MFT2437-ME764-750-108 R1
DRAWN BY: Jerry Benton

DRAWING: SHEET

SHEARWALLS

13A

ERIK MYERS PE, PLLC
2805 28TH STREET
PARKERBURG, WV 26104



REScheck Software Version 4.6.5 Compliance Certificate

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

APPROVED BY



Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 130 mph with 116 psf Exp. C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Project

Energy Code: **2017 Florida Building Code, Energy Conservation**
Location: **Tampa, Florida**
Construction Type: **Single-family**
Project Type: **New Construction**
Conditioned Floor Area: **2,254 ft²**
Glazing Area: **18%**
Climate Zone: **2 (725 HDD)**
Permit Date:
Permit Number:

Construction Site:

Owner/Agent:

Designer/Contractor:

Compliance: Envelope passes UA trade-off. Additional mandatory requirements apply. Complete the REScheck inspection

Compliance: **24.2% Better Than Code** Maximum UA: **582** Your UA: **441** Maximum SHGC: **0.25** Your SHGC: **0.23**

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules.
It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
Ceiling 1: Flat Ceiling or Scissor Truss	2,254	30.0	0.0	0.035	79
Wall 1: Wood Frame, 16" o.c.	270	13.0	0.0	0.082	22
Wall 2: Wood Frame, 16" o.c.	684	13.0	0.0	0.082	49
Window 1: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.23	68			0.350	24
Door 1: Solid	20			0.350	7
Wall 3: Wood Frame, 16" o.c.	270	13.0	0.0	0.082	21
Window 3: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.23	20			0.350	7
Wall 4: Wood Frame, 16" o.c.	684	13.0	0.0	0.082	35
Window 2: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.23	120			0.350	42
Door 2: Glass SHGC: 0.23	141			0.350	49
Floor 1: All-Wood Joist/Truss:Over Unconditioned Space	2,254	19.0	0.0	0.047	106

Project Title:

Data filename: C:\Users\Jerry\Documents\REScheck\FL ME764-750-108.rck

Report date: 07/22/19

Page 1 of 10

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2017 Florida Building Code, Energy Conservation requirements in REScheck Version 4.6.5 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Name - Title

Signature

Date

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



Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph w/116 wind Exp. C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MET2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC



REScheck Software Version 4.6.5

Inspection Checklist

Energy Code: 2017 Florida Building Code, Energy Conservation

Requirements: 0.0% were addressed directly in the REScheck software

Text in the "Comments/Assumptions" column is provided by the user in the REScheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Pre-Inspection/Plan Review	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
103.1, 103.2 [PR1] ¹ 	Construction drawings and documentation demonstrate energy code compliance for the building envelope. Thermal envelope represented on construction documents.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
103.1, 103.2, 403.7, 403.8 [PR3] ¹ 	Construction drawings and documentation demonstrate energy code compliance for lighting and mechanical systems. Systems serving multiple dwelling units must demonstrate compliance with the IECC Commercial Provisions.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
302.1, 403.7 [PR2] ² 	Heating and cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J or other methods approved by the code official.	Heating: Btu/hr _____ Cooling: Btu/hr _____	Heating: Btu/hr _____ Cooling: Btu/hr _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
302.1, 403.7 [PR2] ² 	Heating and cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J or other methods approved by the code official. Refer to R403.7.1 for full details.	Heating: Btu/hr _____ Cooling: Btu/hr _____	Heating: Btu/hr _____ Cooling: Btu/hr _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

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

APPROVED BY


Const. Type: VB Unprotected
 Occupancy: Single Family Dwelling
 Allowable No. of Floors: One
 Wind Velocity: 150 mph vult 116 vasd Exp C
 Fire Rating of Ext. Walls: 0 hr
 Plan No.: ME764-750-108
 Allow. Floor Load: 40 PSF
 Approval Date: 7/29/2019
 Manufacturer: Destiny Industries, LLC

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title:

Data filename: C:\Users\Jerry\Documents\REScheck\FL ME764-750-108.rck

Report date: 07/22/19

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Section # & Req.ID	Foundation Inspection	Complies?	Comments/Assumptions
303.2.1.3 [FO11] ² 	A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.9 [FO12] ² 	Snow- and ice-melting system controls installed.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

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

APPROVED BY


Const. Type: VB Unprotected
 Occupancy: Single Family Dwelling
 Allowable No. of Floors: One
 Wind Velocity: 150 mph vult 116 vasd Exp C
 Fire Rating of Ext. Walls: 0 hr
 Plan No.: ME72437-ME764-750-108
 Allow. Floor Load: 40 PSF
 Approval Date: 7/29/2019
 Manufacturer: Destiny Industries, LLC

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
303.1.3 [FR4] ¹ 	U-factors of fenestration products are determined in accordance with the NFRC test procedure or taken from the default table.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
402.1.1, 402.3.1, 402.3.3, 503.1.1.1 [FR2] ¹ 	Glazing U-factor (area-weighted average).	U- _____	U- _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
402.1.1, 402.3.2, 402.3.3 [FR3] ¹ 	Glazing SHGC value (area-weighted average).	SHGC: _____	SHGC: _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
402.1.1, 402.3.4 [FR1] ¹ 	Door U-factor.	U- _____	U- _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
402.4.1.1 [FR23] ¹ 	Air barrier and thermal barrier installed per manufacturer's instructions.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
402.4.3 [FR20] ¹ 	Fenestration that is not site built is listed and labeled as meeting AAMA /WDMA/CSA 101/I.S.2/A440 or has infiltration rates per NFRC 400 that do not exceed code limits.	These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria: 	Const. Type: VB Unprotected Occupancy: Single Family Dwelling Allowable No. of Floors: One Wind Velocity: 150 mph vult 116 vasd Exp C Fire Rating of Ext. Walls: 0 hr Plan No.: MFT2437-ME764-750-108 Allow. Floor Load: 40 PSF Approval Date: 7/29/2019 Manufacturer: Destiny Industries, LLC	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
402.4.5 [FR16] ²	IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤2.0 cfm leakage at 75 Pa.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.3.1 [FR12] ¹ 	Supply and return ducts in attics insulated ≥ R-8 where duct is ≥ 3 inches in diameter and ≥ R-6 where < 3 inches. Supply and return ducts in other portions of the building insulated ≥ R-6 for diameter ≥ 3 inches and R-4.2 for < 3 inches in diameter.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.3.5 [FR15] ³ 	Building cavities are not used as ducts or plenums.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.4 [FR17] ² 	HVAC piping conveying fluids above 105 °F or chilled fluids below 55 °F are insulated to ≥ R-3.	R- _____	R- _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.4.1 [FR24] ¹ 	Protection of insulation on HVAC piping.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.5.3 [FR18] ² 	Hot water pipes are insulated to ≥ R-3.	R- _____	R- _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.5.5 [FR26] ²	Storage water heaters not equipped with integral heat traps and having vertical pipe risers have heat traps installed on both the inlets and outlets. External heat traps installed per code guidelines.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.5.6.1.1 [FR27] ²	Service water heating systems are equipped with automatic temperature controls.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.5.6.1.2 [FR28] ²	A separate switch permits the power supplied to electric service water systems to be turned off. A separate valve permits the energy supplied to the main burner(s) of combustion types of service water heating systems to be turned off.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.5.6.2 [FR29] ²	Water heating equipment meets minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions. Equipment used to provide heating functions as part of a combination system satisfies all stated requirements for the appropriate water heating category.	Table 404.2 (required Ef): _____	Table 404.2 (required Ef): _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.5.6.2.1 [FR30] ²	Solar systems for domestic hot water production satisfy energy factor requirements determined from the Florida Solar Energy Center Directory of Certified Solar Systems.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.6 [FR19] ²	Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.6.2 [FR31] ²	Buildings designed to operate at positive indoor pressure or have mechanical ventilation meet the following criteria: 1) Maximum air-change-hour equal minimums from ASHRAE 62, Ventilation for Acceptable Indoor Air Quality, 2) No ventilation or air-conditioning system make-up air provided from attics, crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas, and 3) Air drawn from enclosed space(s) have walls insulated $\geq$ R-11 and ceiling $\geq$ R-19, space permitting, or R-10 otherwise.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria: APPROVED BY  Const. Type: VB Unprotected Occupancy: Single Family Dwelling Allowable No. of Floors: One Wind Velocity: 150 mph vult 116 vnsd Exp C Fire Rating of Ext. Walls: 0 hr Plan No.: MFT2437-ME764-750-108 Allow. Floor Load: 40 PSF Approval Date: 7/29/2019 Manufacturer: Destiny Industries, LLC

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title:

Data filename: C:\Users\jerry\Documents\REScheck\FL ME764-750-108.rck

Report date: 07/22/19

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Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
303.1 [IN13] ² 	All installed insulation is labeled or the installed R-values provided.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
303.2 [IN4] ¹	Wall insulation is installed per manufacturer's instructions.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
303.2, 402.2.7 [IN2] ¹ 	Floor insulation installed per manufacturer's instructions and in substantial contact with the underside of the subfloor, or floor framing cavity insulation is in contact with the top side of sheathing, or continuous insulation is installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
402.1.1, 402.2.5, 402.2.6 [IN3] ¹ 	Wall insulation R-value. If this is a mass wall with at least ½ of the wall insulation on the wall exterior, the exterior insulation requirement applies (FR10).	R-_____ ☐ Wood ☐ Mass ☐ Steel	R-_____ ☐ Wood ☐ Mass ☐ Steel	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
402.1.1, 402.2.6 [IN1] ¹ 	Floor insulation R-value.	R-_____ ☐ Wood ☐ Steel	R-_____ ☐ Wood ☐ Steel	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
402.2.14 [IN14] ²	Walls, ceilings or floors common to separate conditioned tenancies are insulated to >= R-11, space permitting. Mass common walls are insulated to >= R-6.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

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

APPROVED BY


Const. Type: VB Unprotected
 Occupancy: Single Family Dwelling
 Allowable No. of Floors: One
 Wind Velocity: 150 mph walt 116 vasd Exp C
 Fire Rating of Ext. Walls: 0 hr
 Plan No.: MFT2437-ME764-750-108
 Allow. Floor Load: 40 PSF
 Approval Date: 7/29/2019
 Manufacturer: Destiny industries, LLC

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
303.1.1.2.1, 303.2 [FI2] ¹	Ceiling insulation installed per manufacturer's instructions. Blown insulation marked every 300 ft ² .			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
303.3 [FI18] ³	Manufacturer manuals for mechanical and water heating systems have been provided.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
401.3 [FI33] ²	An energy performance level (EPL) display card must be completed and certified by the builder before final approval of the building for occupancy. Florida law (Section 553.9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. A copy of the EPL card form can be found in Appendix C of the "FBC, Energy Conservation".			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria: APPROVED BY 	Const. Type: VB Unprotected Occupancy: Single Family Dwelling Allowable No. of Floors: One Wind Velocity: 150 mph smlt 116 vasd Exp C Fire Rating of Ext. Walls: 0 hr Plan No.: MET-437-ME764-750-108 Allow. Floor Load: 40 PSF Approval Date: 7/29/2019 Manufacturer: Destiny Industries, L.L.C.
402.1.1, 402.2.1, 402.2.2, 402.2.6 [FI1] ¹	Ceiling insulation R-value.	R-____ ☐ Wood ☐ Steel	R-____ ☐ Wood ☐ Steel	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
402.2.3 [FI22] ²	Vented attics with air permeable insulation include baffle adjacent to soffit and eave vents that extends over insulation.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
402.2.4 [FI3] ¹	Attic access hatch and door insulation ≥ R-value of the adjacent assembly.	R-____	R-____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
402.4.1.2 [FI17] ¹	Blower door test @ 50 Pa. ≤ 7 ach.	ACH 50 = ____	ACH 50 = ____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.1.1 [FI9] ²	Each separate heating/cooling system has a thermostat			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.1.2 [FI9] ²	Programmable thermostats installed for control of primary heating and cooling systems and initially set by manufacturer to code specifications.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.1.3 [FI10] ²	Heat pump thermostat installed on heat pumps.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.2 [FI26] ²	Hot water boilers supplying heat through one- or two-pipe heating systems have outdoor setback control to lower boiler water temperature based on outdoor temperature.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.3.2, 403.3.2.1 [FI24] ¹	All ducts, air handlers, and filter boxes shall be constructed and sealed in accordance with Section C403.2.9.2 of the Commercial Provisions of this code. Air handler leakage designated by manufacturer at <=2% of design air flow.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.3.3 [FI27] ¹	Ducts are pressure tested to determine air leakage with either: Rough-in test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the system including the manufacturer's air handler enclosure if installed at time of test. Postconstruction test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the entire system including the manufacturer's air handler enclosure.	<u> </u> cfm/100 ft ²	<u> </u> cfm/100 ft ²	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.3.4, 403.3.2 [FI4] ¹	Duct tightness test result of <=4 cfm/100 ft ² across the system or <=3 cfm/100 ft ² without air handler @ 25 Pa. For rough-in tests, verification may need to occur during Framing Inspection. Duct tightness verified by testing in accordance with ANSI/RESNET/ICC 380-2016 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3.	<u> </u> cfm/100 ft ²	<u> </u> cfm/100 ft ²	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria: APPROVED BY  Const. Type: <u>VB Unprotected</u> Occupancy: <u>Single Family Dwelling</u> Allowable No. of Floors: <u>One</u> Wind Velocity: <u>150 mph vult 116 vasd Exp C</u> Fire Rating of Ext. Walls: <u>0 hr</u> Plan No.: <u>MFT2437-ME764-750-108</u> Allow. Floor Load: <u>40 PSF</u> Approval Date: <u>7-29-2019</u> Manufacturer: <u>Destiny Industries, LLC</u>
403.3.6 [FI33] ²	Air handling units are not installed in attic.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.5.1 [FI11] ²	Circulating service hot water systems have automatic or accessible manual controls.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.5.1.1 [FI28] ²	Heated water circulation systems have a circulation pump. The system return pipe is a dedicated return pipe or a cold water supply pipe. Gravity and thermosyphon circulation systems are not present. Controls for circulating hot water system pumps start the pump with signal for hot water demand within the occupancy. Controls automatically turn off the pump when water is in circulation loop is at set-point temperature and no demand for hot water exists.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.5.1.2 [FI29] ²	Electric heat trace systems comply with IEEE 515.1 or UL 515. Controls automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.5.2 [FI30] ²	Water distribution systems that have recirculation pumps that pump water from a heated water supply pipe back to the heated water source through a cold water supply pipe have a demand recirculation water system. Pumps have controls that manage operation of the pump and limit the temperature of the water entering the cold water piping to 104°F.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.5.4 [FI31] ²	Drain water heat recovery units tested in accordance with CSA B55.1. Potable water-side pressure loss of drain water heat recovery units < 3 psi for individual units connected to one or two showers. Potable water-side pressure loss of drain water heat recovery units < 2 psi for individual units connected to three or more showers.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
403.6.1 [FI25] ²	All mechanical ventilation system fans not part of tested and listed HVAC equipment meet efficacy and air flow limits.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
404.1 [FI6] ¹	75% of lamps in permanent fixtures or 75% of permanent fixtures have high efficacy lamps. Does not apply to low-voltage lighting.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
404.1.1 [FI23] ³	Fuel gas lighting systems have no continuous pilot light.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

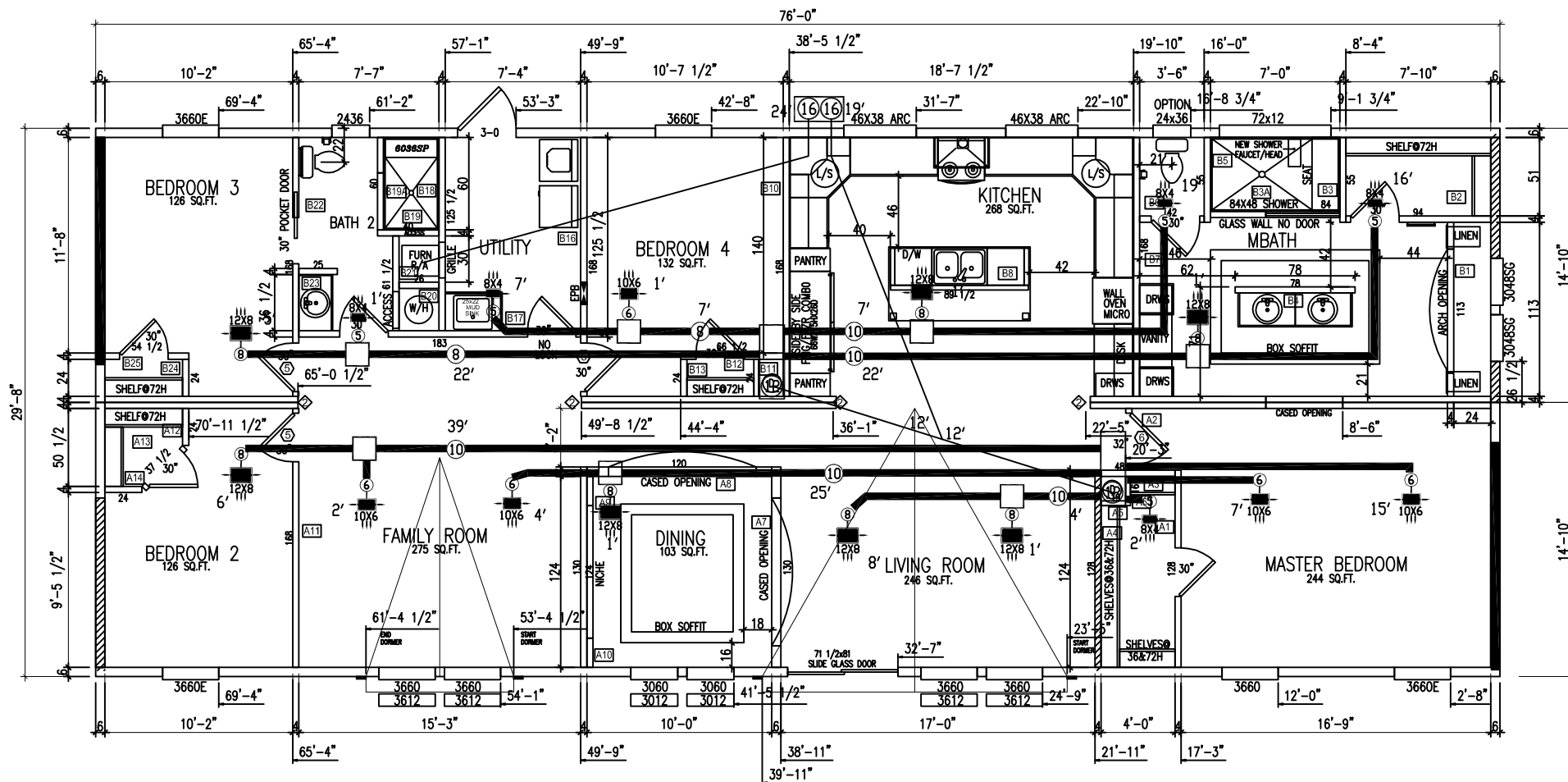
Additional Comments/Assumptions:

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

APPROVED BY


Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vased Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: ME72437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)



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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 130 mph with 116 yard Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

THE AMS GROUP ELKHART, IN.		CUSTOMER: DESTINY	
DESCRIPTION: OMIT		SCALE:	
MODEL: ME764-750-108		DATE:	
DRAWN: DANNY		7/19/19	
CAD FILENAME: DS\DESTINY\			

Destiny Industries, LLC

ME764-750-108

Site Address: tbd

Building Codes: 6th Ed. Florida Residential Code

Resources Used: Microsoft Excel for computations; Woodworks Sizer 10.4 for selected beam designs

Building Design Criteria		ASCE 7-10
Wind Load Design:	150 mph Vult	
Wind Exposure:	C	
1st Floor Live Load:	40 PSF	
1st Floor Dead Load:	10 PSF	
Roof Live Load:	20 PSF	
Roof Dead Load:	14 PSF	
Mean Roof Height:	20 FT	

Components and Cladding		
Zone 1	18 PSF	-28.6 PSF
Zone 2	18 PSF	-49.8 PSF
Zone 2 OH		-63 PSF
Zone 3	18 PSF	-73.5 PSF
Zone 3 OH		-102.6 PSF
Zone 4	31.2 PSF	-33.9 PSF
Zone 5	31.2 PSF	-41.8 PSF

Calculation Index:

Design Criteria and Load Cases

MWFRS Design

Uplift / Truss Connections

Headers / Studs / Connections

Overhang Design / Connections

On Frame Floor Joist

Page(s)

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11-14

15-21

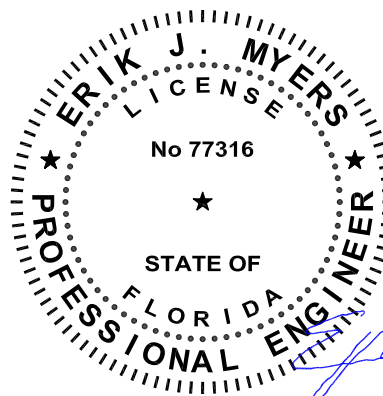
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23-24

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



Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vasd Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC



Jul 29, 2019

Design Criteria ASCE 7-10

Total Width = 29.67 ft
Module Width = 14.833 ft
Length = 76 ft
Roof Slope = 2 /12
Roof Angle = 9.46 °
Sidewall OH = 12 in
Endwall OH = 12 in

Stories = 1
Wall Height = 9 ft
Sidewall Eave Height = 10 ft
Foundation Height = 3.5 ft
Roof Projection = 3.00 ft
Mean Roof Height = 15.00 ft
Min. Mean Roof Height = 20 ft

Wind Loads

Wind Speed = 150 mph
Exposure = C
Wind Pressure qh = 26.4 psf

Design Loads

Floor Live = 40 psf
Floor Dead = 10 psf
Wall Dead = 45 plf
Roof Dead = 14 psf

Roof Loads

Roof Live = 20 psf
Min. Roof Live = 20 psf
Ground Snow = 0 psf
Flat Roof Snow = 0.0 psf
Sloped Roof Snow = 0.0 psf
Max Unbalanced = 0.0 psf

Components and Cladding

	-	+
Zone 1	-28.6	18.0 psf
Zone 2	-49.7	18.0 psf
Zone 2 OH	-62.9	
Zone 3	-73.5	18.0 psf
Zone 3 OH	-102.6	
Zone 4	-33.8	31.2 psf
Zone 5	-41.8	31.2 psf

Main Wind Force Resisting System

		Trans	Long	
EZ	Wall	30.6	27.5	psf
	Roof	-13.0	-13.0	psf
IZ	Wall	20.4	18.2	psf
	Roof	-7.6	-7.6	psf

Soffit Loading for Overhang

Positive = 32.8 psf
Negative = -39.7 psf

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph with 116 wind Expo C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Design Criteria

Wind Speed:	150 mph
Wind Exposure:	C
Mean Roof Height:	20.00 ft
Roof Live Load:	20 psf
Roof Dead Load:	14 psf
Wall Dead Load:	45 plf
Floor Live Load:	40 psf
Floor Dead Load:	10 psf
Attic Live Load:	20 psf

Building Dimensions

Length:	76 ft
Width:	29.67 ft
Module Width:	14.83 ft
Wall Height:	9 ft
Roof Pitch:	2 /12
Truss Spacing:	24 in
Heel Height:	4.75 in
Slope Factor:	1.014

Truss Reactions

	Sidewall
Uplift	-462 lbs
Gravity	555 lbs

	Matewall
Uplift	-447 lbs
Gravity	495 lbs

Calculated Kh Reduction = No

	Horizontal
F =	221 lbs

Vertical Load Cases

Roof Level

D	115 plf	103 plf
L	0 plf	0 plf
S/Lr	162 plf	145 plf
W	-462 plf	-441 plf
.75(L+S/Lr)	122 plf	109 plf
D+L	115 plf	103 plf
D+S/Lr	278 plf	248 plf
D+.75(L+S/Lr)	237 plf	211 plf
.6D+.6W	-208 plf	-203 plf

Floor Level

D	234 plf	222 plf
L	297 plf	297 plf
S/Lr	162 plf	145 plf
W	-462 plf	-441 plf
.75(L+S/Lr)	344 plf	331 plf
D+L	531 plf	519 plf
D+S/Lr	397 plf	367 plf
D+.75(L+S/Lr)	579 plf	553 plf
.6D+.6W	-136 plf	-131 plf

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

APPROVED BY


Correl. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult. 116 vwind Exp.C
Fire Rating of Ext. Walls: 0 hr
Plan No.: ME72437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Wind Design ASCE 7-10

Wind Speed: 150 mph
Wind Exposure: C
Mean Roof Height: 20.00 ft
Length: 76 ft
Width: 29.67 ft
Module Width: 14.833 ft
Wall Height: 9 ft
Roof Pitch: 2 /12
Truss Spacing: 24 in
Roof Projection: 3.00 ft

MWFRS Horizontal Loads

		Trans	Long
EZ	Wall	30.6	27.5 psf
	Roof	-13.0	-13.0 psf
IZ	Wall	20.4	18.2 psf
	Roof	-7.6	-7.6 psf
EZ 2a =	6 ft		
Wall Sheathing Suction		W =	109 lbs
Stud Spacing =	16 in		
		Edge	Field
Zone 4	-33.8 psf	6	12 in o.c.
Zone 5	-41.8 psf	6	12 in o.c.

Wind Load at Roof Level

Perpendicular to Ridge: 3621 lbs
Parallel to Ridge: 1790 lbs

Wind Load at Floor Level

Perpendicular to Ridge: 8047 lbs
Parallel to Ridge: 3431 lbs

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

APPROVED BY


Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph with 116 wind Exp. C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Shearwall Connections

Wall	1	Wood Species =	SP	Sg =	0.55
Wall H =	9 ft	Grade =	#2	Size =	2x6
Force =	3621 lbs	Stud Spacing =	16 in o.c.	Fc $\perp$ =	565 psi
Wall L =	29.67 ft	Segmented		<i>Fc$\perp$ Controls</i>	
FHS =	29.67 ft			Allowable Load =	4662 lbs
Vu =	122 plf			Qty =	1 stud
OT =	1098 lbs				

Sheathing / Fastening	7/16" OSB	One Side	with	0.113 " nails
	Edge Spacing =	6 in. o.c.		Fastener Length
	Field Spacing =	12 in. o.c.		L = 2.375 in
	Allowable Shear =	275 plf >>> PASS		

Gable End Plate to Top Plate

Stud Spacing =	16 in. o.c.
Out-of-Plane F =	122 lbs / bay
In-Plane Shear F =	163 lbs / bay
F _R =	163 lbs / bay

Fastening Options

2	.131"	toe-nails / bay
2	#8	toe-screws / bay

Bottom Plate to Floor (Sheathing Lap)

Stud Spacing =	16 in. o.c.
Out-of-Plane F =	122 lbs / bay
In-Plane Shear F =	0 lbs / bay
F _R =	122 lbs / bay

Fastening Options

1	.131"	nails / bay
---	-------	-------------

Sheathing to Top Plate / Band (Straps)

In-Plane Shear F =	122 plf
Uplift F =	0 plf
F _R =	122 plf

Fastening Options

6 in. o.c.	0.113 " nails
------------	---------------

Sheathing to Floor Band (Straps)

In-Plane Shear F =	122 plf
Perf. Uplift F =	0 plf
F _R =	122 plf

Fastening Options

6 in. o.c.	0.113 " nails
------------	---------------

Sheathing to Floor Band (Without Straps)

In-Plane Shear F =	122 plf
Uplift F =	0 plf
Perf. Uplift F =	0 plf
F _R =	122 plf

Fastening Options

6 in. o.c.	0.113 " nails
------------	---------------

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph w/116 v-wind Exp. C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MF72437-MF764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Shearwall Connections

Wall	2	Wood Species =	SP	Sg =	0.55
Wall H =	9 ft	Grade =	#2	Size =	2x6
Force =	3621 lbs	Stud Spacing =	16 in o.c.	Fc _⊥ =	565 psi
Wall L =	76 ft	Perforated		<i>Fc_⊥ Controls</i>	
FHS =	47 ft	Perforated Design		Allowable Load =	4662 lbs
Vu =	83 plf	% FHS = 0.62		Qty =	1 stud
OT =	749 lbs	Co = 0.93			

Sheathing / Fastening	7/16" OSB	One Side	with	0.113 " nails
	Edge Spacing =	6 in. o.c.		Fastener Length
	Field Spacing =	12 in. o.c.		L = 2.375 in
	Allowable Shear =	275 plf >>> PASS		

Truss to Top Plate

Truss Spacing =	16 in. o.c.
Out-of-Plane F =	221 lbs
In-Plane Shear F =	64 lbs
F _R =	221 lbs

Fastening Options

3	.131"	toe-nails / truss
3	#8	toe-screws / truss

Bottom Plate to Floor (Sheathing Lap)

Stud Spacing =	16 in. o.c.
Out-of-Plane F =	122 lbs / bay
In-Plane Shear F =	0 lbs / bay
F _R =	122 lbs / bay

Fastening Options

1	.131"	nails / bay
---	-------	-------------

Sheathing to Top Plate / Band (Straps)

In-Plane Shear F =	83 plf
Uplift F =	0 plf
F _R =	83 plf

Fastening Options

6 in. o.c.	0.113 " nails
------------	---------------

Sheathing to Floor Band (Straps)

In-Plane Shear F =	83 plf
Perf. Uplift F =	83 plf
F _R =	118 plf

Fastening Options

6 in. o.c.	0.113 " nails
------------	---------------

Sheathing to Floor Band (Without Straps)

In-Plane Shear F =	83 plf
Uplift F =	181 plf
Perf. Uplift F =	83.245 plf
F _R =	277 plf

Fastening Options

4 in. o.c.	0.113 " nails
------------	---------------

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph w/116 v-wind Exp. C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MF72437-MF764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Shearwall Connections

Wall	3	Wood Species =	SP	Sg =	0.55
Wall H =	9 ft	Grade =	#2	Size =	2x6
Force =	3621 lbs	Stud Spacing =	16 in o.c.	Fc $\perp$ =	565 psi
Wall L =	29.67 ft	Segmented		<i>Fc$\perp$ Controls</i>	
FHS =	21.5 ft			Allowable Load =	4662 lbs
Vu =	168 plf			Qty =	1 stud
OT =	1516 lbs				

Sheathing / Fastening	7/16" OSB	One Side	with	0.113 " nails
	Edge Spacing =	6 in. o.c.		Fastener Length
	Field Spacing =	12 in. o.c.		L = 2.375 in
	Allowable Shear =	275 plf >>> PASS		

Gable End Plate to Top Plate

Stud Spacing =	16 in. o.c.
Out-of-Plane F =	122 lbs / bay
In-Plane Shear F =	163 lbs / bay
F _R =	163 lbs / bay

Fastening Options

2	.131"	toe-nails / bay
2	#8	toe-screws / bay

Bottom Plate to Floor (Sheathing Lap)

Stud Spacing =	16 in. o.c.
Out-of-Plane F =	122 lbs / bay
In-Plane Shear F =	0 lbs / bay
F _R =	122 lbs / bay

Fastening Options

1	.131"	nails / bay
---	-------	-------------

Sheathing to Top Plate / Band (Straps)

In-Plane Shear F =	168 plf
Uplift F =	0 plf
F _R =	168 plf

Fastening Options

6 in. o.c.	0.113 " nails
------------	---------------

Sheathing to Floor Band (Straps)

In-Plane Shear F =	168 plf
Perf. Uplift F =	0 plf
F _R =	168 plf

Fastening Options

6 in. o.c.	0.113 " nails
------------	---------------

Sheathing to Floor Band (Without Straps)

In-Plane Shear F =	168 plf
Uplift F =	0 plf
Perf. Uplift F =	0 plf
F _R =	168 plf

Fastening Options

6 in. o.c.	0.113 " nails
------------	---------------

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph w/116 v-wind Exp. C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MF72437-MF764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Shearwall Connections

Wall	4	Wood Species =	SP	Sg =	0.55
Wall H =	9 ft	Grade =	#2	Size =	2x6
Force =	3621 lbs	Stud Spacing =	16 in o.c.	Fc $\perp$ =	565 psi
Wall L =	71 ft	Perforated		<i>Fc$\perp$ Controls</i>	
FHS =	41.5 ft	Perforated Design		Allowable Load =	4662 lbs
Vu =	124 plf	% FHS = 0.58		Qty =	1 stud
OT =	1118 lbs	Co = 0.70			

Sheathing / Fastening	7/16" OSB	One Side	with	0.113 " nails
	Edge Spacing =	6 in. o.c.		Fastener Length
	Field Spacing =	12 in. o.c.		L = 2.375 in
	Allowable Shear =	275 plf >>> PASS		

Truss to Top Plate

Truss Spacing =	16 in. o.c.
Out-of-Plane F =	221 lbs
In-Plane Shear F =	68 lbs
F _R =	221 lbs

Fastening Options

3	.131"	toe-nails / truss
3	#8	toe-screws / truss

Bottom Plate to Floor (Sheathing Lap)

Stud Spacing =	16 in. o.c.
Out-of-Plane F =	122 lbs / bay
In-Plane Shear F =	0 lbs / bay
F _R =	122 lbs / bay

Fastening Options

1	.131"	nails / bay
---	-------	-------------

Sheathing to Top Plate / Band (Straps)

In-Plane Shear F =	124 plf
Uplift F =	0 plf
F _R =	124 plf

Fastening Options

6 in. o.c.	0.113 " nails
------------	---------------

Sheathing to Floor Band (Straps)

In-Plane Shear F =	124 plf
Perf. Uplift F =	124 plf
F _R =	176 plf

Fastening Options

6 in. o.c.	0.113 " nails
------------	---------------

Sheathing to Floor Band (Without Straps)

In-Plane Shear F =	124 plf
Uplift F =	181 plf
Perf. Uplift F =	124.23 plf
F _R =	330 plf

Fastening Options

3 in. o.c.	0.113 " nails
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These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph w/116 v-wind Exp. C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MF72437-MF764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Shearwall	PLF	Shearwall Description	Edge	Field
1	123	7/16" OSB One Side w/ 0.113" x 2.375" nails	6	12
2	84	7/16" OSB One Side w/ 0.113" x 2.375" nails	6	12
3	169	7/16" OSB One Side w/ 0.113" x 2.375" nails	6	12
4	125	7/16" OSB One Side w/ 0.113" x 2.375" nails	6	12

Wall 1 OT = 1099 lbs**Gable End Plate to Top Plate**

2 .131" toe-nails / bay
2 #8 toe-screws / bay

Bottom Plate to Floor (Sheathing Lap)

1 .131" nails / bay

Sheathing to Top Plate / Band (Straps)

6 in. o.c. 0.113 " nails

Sheathing to Floor Band (Straps)

6 in. o.c. 0.113 " nails

Sheathing to Floor Band (Without Straps)

6 in. o.c. 0.113 " nails

Wall 2 OT = 750 lbs**Truss to Top Plate**

3 .131" toe-nails / truss
3 #8 toe-screws / truss

Bottom Plate to Floor (Sheathing Lap)

1 .131" nails / bay

Sheathing to Top Plate / Band (Straps)

6 in. o.c. 0.113 " nails

Sheathing to Floor Band (Straps)

6 in. o.c. 0.113 " nails

Sheathing to Floor Band (Without Straps)

4 in. o.c. 0.113 " nails

Wall 3 OT = 1516 lbs**Gable End Plate to Top Plate**

2 .131" toe-nails / bay
2 #8 toe-screws / bay

Bottom Plate to Floor (Sheathing Lap)

1 .131" nails / bay

Sheathing to Top Plate / Band (Straps)

6 in. o.c. 0.113 " nails

Sheathing to Floor Band (Straps)

6 in. o.c. 0.113 " nails

Sheathing to Floor Band (Without Straps)

6 in. o.c. 0.113 " nails

Wall 4 OT = 1119 lbs**Truss to Top Plate**

3 .131" toe-nails / truss
3 #8 toe-screws / truss

Bottom Plate to Floor (Sheathing Lap)

1 .131" nails / bay

Sheathing to Top Plate / Band (Straps)

6 in. o.c. 0.113 " nails

Sheathing to Floor Band (Straps)

6 in. o.c. 0.113 " nails

Sheathing to Floor Band (Without Straps)

3 in. o.c. 0.113 " nails

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
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APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vascd Esp.C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MEF2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Roof Diaphragm

Roof Diaphragm

V = 3621 lbs 7/16" sheathing w/ .113" nails: 250 plf
Unit shear = 114 plf 6" o.c. edge, 12" o.c. field

Floor Diaphragm

V = 4426 lbs 19/32" sheathing w/ .113" nails: 275 plf
Unit shear = 149 plf 6" o.c. edge, 6" o.c. field

Suction Fastening Requirements (spacing limited to diaphragm spacing requirements)

Roof Sheathing Suction

W = 109 lbs

Truss Spacing = 24 in

Edge Field

Zone 1	-28.6 psf	6.0	12.0 in o.c.
Zone 2	-49.7 psf	6.0	12.0 in o.c.
Zone 2 OH	-62.9 psf	6.0	10.4 in o.c.
Zone 3	-73.5 psf	6.0	8.9 in o.c.
Zone 3 OH	-102.6 psf	6.0	6.4 in o.c.

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph w/ 116 year Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Roof Diaphragm Deflection (3 term equation)

$$\delta_{dia} = \frac{5vL^3}{8EAW} + \frac{0.25vL}{1000G_a} + \frac{\sum(x\Delta_c)}{2W}$$

W = 95 plf
Max T / C = 2173 lbs
Chord E = 1400000 psi
Chord A = 8.25 in^2
Ga = 13 kips/in
 $\Delta_c = 0.039163$
 $\Delta_{allow} = 2L / 120$

term 1 = 0.19426 in
term 2 = 0.37854 in
term 3 = 0.08904 in
 $\delta_{dia} = 0.66184$ in

OK

Chord Splice

Max T / C = 2173 lbs **Tension Controls**
 $F_t = 600$ psi
 $F'_t = 960$ psi
Allowable T = 7920 lbs

Fasten chord splice with 0.131 in. nails, 13 each side of splice

Tie-Down Anchors (Far Beam)

Building Parameters

Total Width =	356 in
Module Width =	178 in
Wall Height =	108 in
Floor Height =	10 in
Roof Projection =	36 in
Overhang =	12 in
Roof Pitch =	2 /12
I-beam spacing =	99.5 in
Frame Height =	12 in
Pier Height (including frame) =	48 in
Anchor Inset =	6 in

Loading Parameters

Dead Loads			
Roof DL =	14 psf		
Wall DL =	5 psf		
Floor DL =	15 psf		
Wind Loads	Wind FOS =	1	
Horizontal Roof =	-13.0 psf		
Horizontal Wall =	30.6 psf		
Vertical Roof =	-33.0 psf		
Vertical Roof OH =	-46.3 psf		

Tie-Down Anchors

$F_{ult} =$	4725 lbs
$F_{all} =$	3150 lbs
θ horizontal =	19.9 °
θ vertical =	7.1 °

Allowable Loads

Horizontal =	2962 lbs
Vertical =	3126 lbs
Lateral Load =	332 plf
Spacing for Sliding =	8.92 ft o.c.

Net Uplift at Floor

$F =$	-136 plf
Overturning	
$F =$	-1872 ft-lbs / ft
$T =$	-162 plf

Total Tension (Overturning + Net Uplift)

$T =$	-298.3 plf
Spacing for Overturning / Uplift =	10.48 ft o.c.

Install Anchors on Sidewall Floor Band (rated for 3150 lbs allowable load) at 8.92 ft o.c.

Matewall Uplift

$F =$	-131 plf per half	Spacing =	11.89 ft o.c.
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Max Matewall Opening for Anchor in each module

Span =	34.16 ft
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Install Anchors on Matewall Floor Band (rated for 3150 lbs allowable load) at 11.89 ft o.c.

Longitudinal Tie-Downs

Anchor Angle =	70 °
Strap Angle =	20 ° min

Allowable T = 2413 lbs

Total Horizontal Force

$F =$	7222 lbs
-------	----------

Longitudinal Anchors Required Each End (Total)

Qty = 3 total 2 each module

Notes:

1. Equivalent anchors into foundation (or ground) designed and installed by others.
2. Matewall spacing assumes single double head foundation anchor with separate strap in each module
3. Max matewall opening span assumes interior zone span and separate foundation anchors.

These prints comply with the
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Act and adopted Codes and
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Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph w/11.6 wind Exp.C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MET2437-MET64-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

7/17/2019

Uplift Connections**Uplift Forces**

Sidewall
Uplift = -462 lbs

Matewall
Uplift = -447 lbs

Sidewall - OSB Overlap at Top Plate

F = 208 plf

Fastener = .113 nails
Z = 94 lbs
Nail Spacing = 5 inches o.c.
Rows = One Row

**Lap Sheathing Over Top Plate and
Fasten with One Row of .113 nails
at 5 inches o.c.**

Sidewall - Connection at Floor

F = 330 plf

Option 1 w/ Straps

LSTA15 921 lbs
Fastener = .131" x 2.5" nail
Strap Spacing = 33 inches o.c.

**Use LSTA15 strap 32 inches o.c.,
w/ (6) .131" x 2.5" nails**

Option 2 w/ OSB Overlap

Fastener = .113 nails
Z = 94 lbs
Nail Spacing = 3 inches o.c.
Rows = One Row

**Lap Sheathing Over Top Plate and
Fasten with One Row of .113 nails
at 3 inches o.c.**

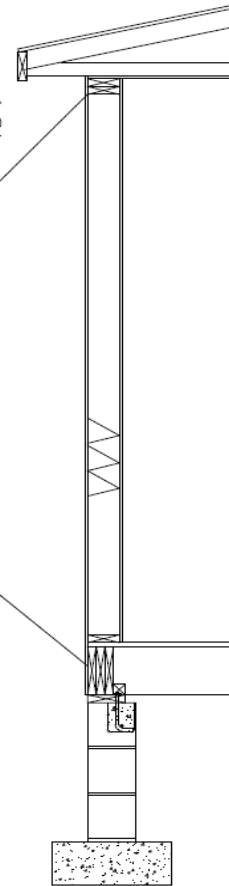
EXT. OSB TO PLATES

LAP $\frac{7}{16}$ OSB OVER
BAND. FASTEN WITH
SPECIFIED FASTENER
AND SPACING.
STAGGER NAILS INTO
EACH TOP PLATE

EXT. OSB TO RIM

UPLIFT STRAPS
INSTALLED WITH
SPECIFIED FASTENERS
AND SPACING

OPT 2
LAP SHEATHING
OVER BAN &
FASTEN WITH
SPECIFIED
FASTENER AND
SPACING



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Florida Manufactured Building
Act and adopted Codes and
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APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vascd Esp.C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MEF2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Uplift Connections

Matewall - Ridgebeam to Stud

F = -203 plf

LSTA9 614 lbs

Fastener = .131" x 2.5" nail

Strap Spacing = 36 inches o.c.

**Use LSTA9 strap 32 inches o.c., w/
(4) .131" x 2.5" nails**

Matwall - Stud to Floor

F = -203 plf

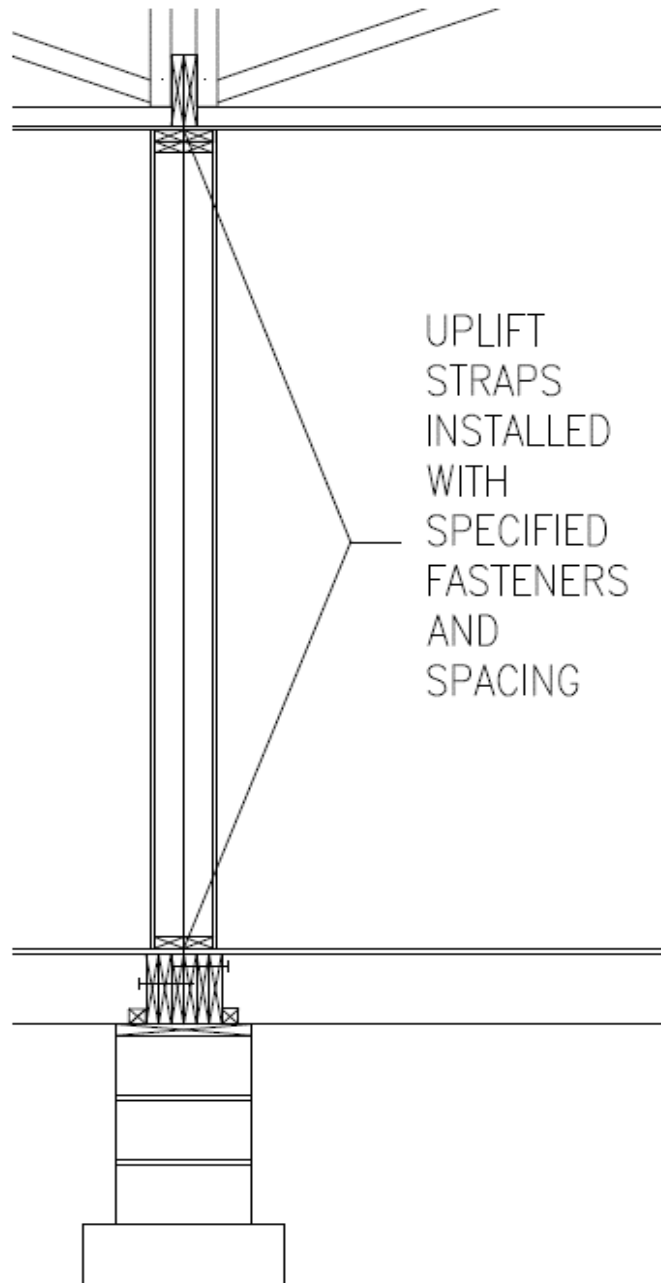
Option 1 w/ Straps

LSTA9 614 lbs

Fastener = .131" x 2.5" nail

Strap Spacing = 36 inches o.c.

**Use LSTA9 strap 32 inches o.c., w/
(4) .131" x 2.5" nails**



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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vascd Exp.C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MET2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

7/17/2019

Truss Connections (Fixed Roof)**Truss Reactions**

Truss Chord Species = SP

Sidewall

Horiz. = 221 lbs
Uplift = -462 lbs

Matewall

Gravity = 495 lbs
Uplift = -447 lbs

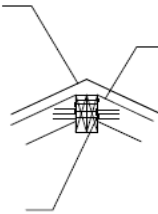
Top Chord Strap Across Mateline

T = 214 lbs

Strap Options:	Fasteners Each End:	Value:	
LSTA15	(4) .131" x 2.5" nails	615 lbs	OK
CS22	(4) .131" x 2.5" nails	653 lbs	OK

RIDGE CAPTOP CHORD STRAP

USE (1) SIMPSON LSTA15 STRAP WITH (4) 8D (.131) X 2.5" NAILS EACH END. OR CS22 STRAP APPLY TO EVERY TRUSS.

RIDGE TO RIDGE SHEAR

FASTEN WITH (3) 8D (.131) X 3" NAILS FROM RAIL TO RAIL EACH BAY EVENLY SPACED. BLOCK GAPS @ 32" O.C.

TOP CHORD TO RIDGE

FASTEN WITH (3) 8D (.131) X 3" NAILS FROM RIDGE TO TOP CHORD END GRAIN. APPLY TO EVERY TRUSS.

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

APPROVED BY
NIA INC.

Const. Type:	VB Unprotected
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	One
Wind Velocity:	130 mph vnh: 116 vwind Exp C
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT2437-ME764-750-108
Allow. Floor Load:	40 PSF
Approval Date:	7/29/2019
Manufacturer:	Destiny Industries, LLC

Uplift Connector at Sidewall Truss Heel

Connector Options:	Fasteners Each End:	Value:	
H2.5A	(5) .131" x 2.5" nails	565 lbs	OK
SDWC15600	.152" x 6" screw	615 lbs	OK

TOP PLATE TO TRUSS UPLIFT

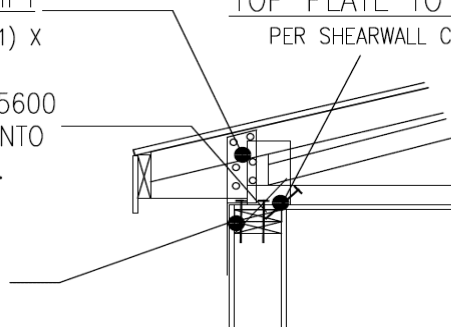
USE (1) SIMPSON H2.5A W(5) 8D (.131) X 1.5" FASTERS EACH END. EVERY TRUSS
ALTERNATE: FASTEN (1) SDWC15600 SCREW FROM DBL TOP PLATE INTO THE BOTTOM CHORD OF TRUSS.

TOP PLATE TO TRUSS (SHEAR)

PER SHEARWALL CONNECTION CHART

EXT. OSB TO PLATES

PER SHEARWALL CONNECTION CHART.



Matewall Girder Connection Over Openings:

Gravity = 495 lbs
Uplift = -447 lbs

Gravity Controls

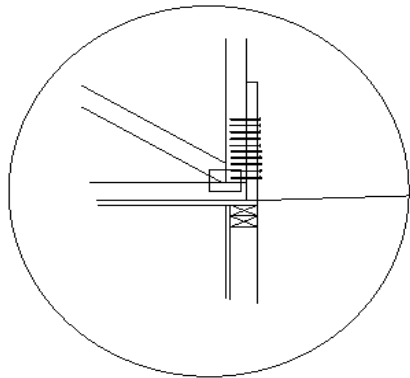
Fastener:

.131" nail

end grain

Quantity:

7



RIDGE BEAM

BOTTOM CHORD TO BAND
FASTEN BAND TO BOTTOM CHORD
APPLY EVERY TRUSS EVENLY SPACED.

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
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APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vascd Esp.C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MEF2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Matewall Header

Species = Murphy	W = -203 plf	Ld = 1.6
Grade = LVL	LL = 145 plf	Ld = 1
b = 1.5 in	DL = 103 plf	
d = 11.25 in	LLΔ = L/ 240	
A = 16.88 in^2	TLΔ = L/ 180	
S = 31.64 in^3	WΔ = L/ 240	
I = 177.98 in^4		
Qty = 1	Span = 184 in	
Fb = 3100 psi		
Fv = 290 psi	L+D	W
E = 2000000 psi	F'b = 3100.00 psi	F'b = 4960.00 psi
Lr = 1	F'v = 290 psi	F'v = 464 psi
Cfb = 1		

L+D		W	
Mu = 87285 in-lbs		Mu = 49836.3 in-lbs	
Mn = 98085.9 in-lbs	OK	Mn = 156938 in-lbs	OK

L+D		W	
Vu = 1897.5 lbs		Vu = 1083.4 lbs	
Vn = 3262.5 lbs	OK	Vn = 5220 lbs	OK

LLΔ = 0.51 in	Allowable LLΔ = 0.77 in	OK
TLΔ = 0.69 in	Allowable TLΔ = 1.02 in	OK
WΔ = 0.71 in	Allowable TLΔ = 0.77 in	OK

Reaction	Uplift Reaction
F = 1898 lbs	F = -1556 lbs

Use (1) 1.5 x 11.25 LVL for 15' 4" span

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NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vascd Exp.C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MF2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Matewall Header

Species = SYP	W = -203 plf	Ld = 1.6
Grade = #2	LL = 145 plf	Ld = 1.25
b = 1.5 in	DL = 103 plf	
d = 5.5 in	LLΔ = L/ 240	
A = 8.25 in ²	TLΔ = L/ 180	
S = 7.56 in ³	WΔ = L/ 240	
I = 20.80 in ⁴		
Qty = 1	Span = 48 in	
Fb = 1000 psi		
Fv = 175 psi	L+D	W
E = 1400000 psi	F'b = 1250.00 psi	F'b = 1600.00 psi
Lr = 1	F'v = 218.75 psi	F'v = 280 psi
Cfb = 1		

L+D		W	
Mu = 5940 in-lbs		Mu = 3391.51 in-lbs	
Mn = 9453.13 in-lbs	OK	Mn = 12100 in-lbs	OK

L+D		W	
Vu = 495 lbs		Vu = 282.626 lbs	
Vn = 1203.13 lbs	OK	Vn = 1540 lbs	OK

LLΔ = 0.03 in	Allowable LLΔ = 0.20 in	OK
TLΔ = 0.04 in	Allowable TLΔ = 0.27 in	OK
WΔ = 0.04 in	Allowable TLΔ = 0.20 in	OK

Reaction	Uplift Reaction
F = 495 lbs	F = -406 lbs

Use (1) 2 x 6 #2 SYP for 4' 0" span

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NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vascd Exp.C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MEF2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Matewall Stud

L =	108 in	Ke =	1	W =	-203 plf
d =	3.5 in	le =	108 in	DL =	103 plf
t =	1.5 in	le/d =	30.86 < 50 OK	LL =	145 plf
		Cd =	1		
Spacing =	16 in	Cf(Fc) =	1	Cf(Fb) =	1

	Fb psi	Ft psi	Fv psi	Fc $\perp$ psi	Fc psi	E psi	Emin psi
#3 SYP	650	400	175	565	850	1300000	470000

Qty	A (in^2)	S (in^3)	I (in^4)	F'b psi	F'c psi
1	5.25	3.06	5.36	650	850
2	10.50	6.13	10.72	650	850
3	15.75	9.19	16.08	748	850

Axial Compression

Qty	FcE psi	α_c	Cp	F'c psi	fc psi	fc/F'c	Capacity
1	406	0.48	0.42	355	246	0.69 OK	1863 lbs
2	406	0.48	0.42	355	287	0.81 OK	3726 lbs
3	406	0.48	0.42	355	308	0.87 OK	5589 lbs

Lateral Bending

				W =	5 psf
Qty	M (in-lbs)	F'c psi	fb psi	fb/F'c	
1	405.00	650	132	0.20 OK	
2	405.00	650	66	0.10 OK	
3	405.00	748	44	0.06 OK	

Combined Stresses

Qty	Axial	Lateral	Combined	Max Load	Max Span (in.)
1	0.69	0.20	1.00	1293	110
2	0.81	0.10	1.00	3012	277
3	0.87	0.06	1.00	4854	455

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 Occupancy: Single Family Dwelling
 Allowable No. of Floors: One
 Wind Velocity: 150 mph vult 116 vascd Exp.C
 Fire Rating of Ext. Walls: 0 hr
 Plan No.: MEF2437-ME764-750-108
 Allow. Floor Load: 40 PSF
 Approval Date: 7/29/2019
 Manufacturer: Destiny Industries, LLC

Sidewall Headers

Gravity Loading

W = -208 plf
DL = 115 plf
LL = 162 plf

LLΔ = L/ 240
TLΔ = L/ 180
Cd_{GRAV} = 1

Wind Loading

Zone = Exterior

C&C = 41.8 psf
MWFRS = 30.6 psf
LLΔ = L/ 120
Cd_{WIND} = 1.6

	Qty	b	d	Grade	Species	Direction	Cfu _{GRAV}	Cfu _{WIND}	C _{fb}
1	3	1.5	3.5	#2	SYP	Edge	1	1.1	1
2	3	1.5	5.5	#2	SYP	Edge	1	1.15	1
3	3	1.5	7.25	#2	SYP	Edge	1	1.15	1
4	3	1.5	9.25	#2	SYP	Edge	1	1.2	1
5	3	1.5	11.25	#2	SYP	Edge	1	1.2	1

	A (in^2)	Sx (in^3)	Sy (in^3)	Ix (in^4)	Iy (in^4)	Fb psi	Fv psi	E psi	Emin psi
1	15.75	9.19	3.94	16.08	2.95	1100	175	1400000	510000
2	24.75	22.69	6.19	62.39	4.64	1000	175	1400000	510000
3	32.63	39.42	8.16	142.90	6.12	925	175	1400000	510000
4	41.63	64.17	10.41	296.79	7.80	800	175	1400000	510000
5	50.63	94.92	12.66	533.94	9.49	750	175	1400000	510000

	F _b '	F _v '	F _{bE}	C _L	F _{bEdge} '	F _{bFlat} '
1	1265	175	3499	0.97	2024	2226
2	1150	175	1529	0.90	1840	2116
3	1064	175	974	0.78	1702	1957
4	920	175	681	0.67	1472	1766
5	863	175	512	0.56	1380	1656

	Gravity Only				Lateral Only			Combined	
	M	V	LLΔ	TLΔ	M	V	LLΔ	M	V
1	62.5	165.9	81.1	80.6	74.8	293.3	67.1	61.66	129.42
2	90.3	260.7	127.4	126.7	91.4	460.8	78.0	80.47	203.38
3	106.3	343.7	167.9	167.0	101.0	607.5	85.5	89.67	268.09
4	117.1	438.5	214.2	213.1	108.3	775.0	92.7	96.76	342.04
5	125.8	533.3	260.5	259.1	115.7	942.6	99.0	103.17	415.99

Summary

	Qty	b	d	Grade	Species	Direction	Max Span
1	3	1.5	3.5	#2	SYP	Edge	61.7 in
2	3	1.5	5.5	#2	SYP	Edge	78.0 in
3	3	1.5	7.25	#2	SYP	Edge	85.5 in
4	3	1.5	9.25	#2	SYP	Edge	92.7 in
5	3	1.5	11.25	#2	SYP	Edge	99.0 in

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Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vascd Exp.C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MET2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Sidewall Stud

L =	103.5 in	Ke =	1	W =	-259 plf
d =	5.5 in	le =	103.5 in	DL =	169 plf
t =	1.5 in	le/d =	18.82 < 50 OK	LL =	160 plf
		Cd =	1		
Spacing =	16 in	Cf(Fc) =	1.15	Cf(Fb) =	1.5

	Fb psi	Ft psi	Fv psi	Fc ^L psi	Fc psi	E psi	Emin psi
#2 SYP	1000	600	175	565	1400	1400000	510000

Qty	Bearing Capacity					
2	16.50	15.13	41.59	1500	1610	9323
3	24.75	22.69	62.39	1725	1610	13984
4	33.00	30.25	83.19	1725	1610	18645
5	41.25	37.81	103.98	1725	1610	23307
6	49.50	45.38	124.78	1725	1610	27968

Axial Compression

Qty	FcE psi	αc	Cp	F'c psi	fc psi	fc/F'c	Axial Capacity
2	1184	0.74	0.58	930	170	0.18 OK	15340 lbs
3	1184	0.74	0.58	930	192	0.21 OK	23010 lbs
4	1184	0.74	0.58	930	193	0.21 OK	30680 lbs
5	1184	0.74	0.58	930	193	0.21 OK	38350 lbs
6	1184	0.74	0.58	930	193	0.21 OK	46020 lbs

Lateral Bending

				W =	40.8 psf
Qty	M (in-lbs)	F'c psi	fb psi	fb/F'c	
2	30067	2400	1988	0.83 OK	
3	50269	2760	2216	0.80 OK	
4	66915	2760	2212	0.80 OK	
5	83561	2760	2210	0.80 OK	
6	100207	2760	2208	0.80 OK	

Combined Stresses

Qty	Axial	Lateral	Combined	Max Load (lbs)	Max Span (in.)	
2	0.18	0.83	1.00	2810	190	**Note: Stud quantity represents combined jack and jamb total
3	0.21	0.80	1.00	4757	332	
4	0.21	0.80	1.00	6363	449	
5	0.21	0.80	1.00	7967	566	
6	0.21	0.80	1.00	9577	683	

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vascd Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Header Connections

Zone =	5	Zone 4	-33.8412
H =	80 in	Zone 5	-41.7727
W =	36 in		
Wall H =	108 in		
Stud =	16 in o.c.		
C+C =	41.8 psf	C +C =	188 plf
Uplift =	208 plf		
Fr =	280 plf		
F =	420 lbs		
.131" Z =	114 lbs		

Header to King Stud

F = 420 lbs
4 nails

Stud to Plate

W1 =	28 plf	a =	68 in
W2 =	91 plf	c =	40 in
R top =	475 lbs		
R bot =	405 lbs		
Max =	475 lbs		
	5 nails		

Uplift

Truss = 16 in o.c.
F = 451 lbs
LSTA15 1110 lbs
1 straps

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph, s.g.f. 116, wind Exp. C
Fire Rating of Ext. Walls: 0 hr
Plan No.: ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7-29-2019
Manufacturer: Destiny Industries, LLC

Header Connections

Zone =	4	Zone 4	-33.8412
H =	80 in	Zone 5	-41.7727
W =	72 in		
Wall H =	108 in		
Stud =	16 in o.c.		
C+C =	33.8 psf	C +C =	152 plf
Uplift =	208 plf		
Fr =	258 plf		
F =	773 lbs		
.131" Z =	114 lbs		

Header to King Stud

F = 773 lbs
7 nails

Stud to Plate

W1 =	23 plf	a =	68 in
W2 =	124 plf	c =	40 in
R top =	737 lbs		
R bot =	578 lbs		
Max =	737 lbs		
	7 nails		

Uplift

Truss = 16 in o.c.
F = 763 lbs
LSTA15 1110 lbs
1 straps

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

APPROVED BY


Const. Type:	<u>VB Unprotected</u>
Occupancy:	<u>Single Family Dwelling</u>
Allowable No. of Floors:	<u>One</u>
Wind Velocity:	<u>150 mph, s.g.f. 116, wind Exp. C</u>
Fire Rating of Ext. Walls:	<u>0 hr</u>
Plan No.:	<u>ME764-750-108</u>
Allow. Floor Load:	<u>40 PSF</u>
Approval Date:	<u>7-29-2019</u>
Manufacturer:	<u>Destiny Industries, LLC</u>

7/17/2019

Overhang Calculation (Cantilever Under Top Chord)**Loading Conditions:**

1	LL:	20 psf	
2	LL:	-62.923 psf	LLΔ L/ 180
	DL:	7 psf	TLΔ L/ 180

Loading Conditions:

1	C _D :	1
2	C _D :	1.6

Loading Conditions:

	Width	Depth	Species	Grade	Fb	Fv	E	C _F	
	2.5	1.5	SP	#2	1100	175	1400000	1	
	Spacing	Qty	A in ²	S in ³	I in ⁴	Cr	F'b	F'v	E'
1a	16	1	3.75	0.9375	0.7031	1.15	1265	175	1400000
1b	16	1	3.75	0.9375	0.7031	1.15	1265	175	1400000
2a	16	1	3.75	0.9375	0.7031	1.15	2024	280	1400000
2b	16	1	3.75	0.9375	0.7031	1.15	2024	280	1400000

Design Limits

	Bending	Shear	Max Span	LLΔ	TLΔ
1a	28	147	28 in	0.0013 OK	0.0018 OK
1b	56	292	56 in	0.0098 OK	0.0132 OK
2a	23	102	23 in	0.0042 OK	0.0042 OK
2b	23	102	23 in	0.0368 OK	0.0368 OK

Connections: Overhang L: 12 in Truss Spacing = 24 in

Worst Case Reactions Normalized to Ld = 1.0

	Load at Truss	Load at Gable	Load at Truss	Load at Gable
1a	18	-	18 lbs	131 lbs
1b	18	-		
2a	-21	-209.74		
2b	-	-188.77		

Notes:

- 1a Overhang loaded only
 1b Truss bay loaded only
 2a Overhang loaded only
 2b Overhang and truss bay loaded
 Overhang equal to Truss Spacing

.131" x 3" nail (Ld=1.0) W = 31 lbs
 (3) nails per truss = 93 lbs > 18 OK
 Load at Gable = 131 lbs
 Bearing on Gable Endwall OK

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

APPROVED BY


Const. Type: VB Unprotected
 Occupancy: Single Family Dwelling
 Allowable No. of Floors: One
 Wind Velocity: 150 mph with 116 mph Exp.C
 Free Rating of Ext. Walls: 0 hr
 Plan No.: MFT2437-ME764-750-108
 Allow. Floor Load: 40 PSF
 Approval Date: 7/29/2019
 Manufacturer: Destiny Industries, LLC



COMPANY
Erik Myers PE PLLC
2805 28th St
Parkersburg, WV 26104
(304)-834-9510
July 17, 2019 12:02

PROJECT

14-10 On Frame Floor
Joist.wwb

Design Check Calculation Sheet

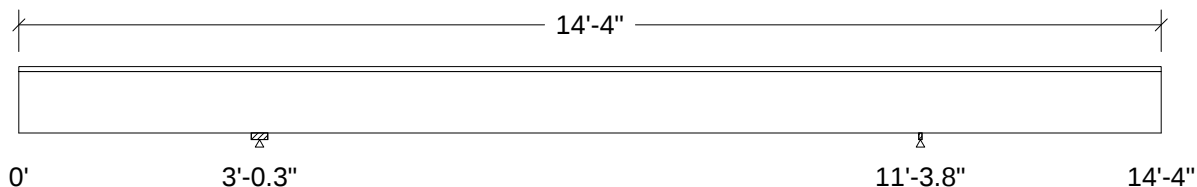
WoodWorks Sizer 10.2

Loads:

Load	Type	Distribution	Pat-tern	Location [ft] Start End	Magnitude Start End	Unit
Load1	Dead	Point	No	0.00	214	lbs
Load3	Roof constr.	Point	Yes	0.00	216	lbs
Load4	Roof constr.	Point	Yes	14.33	193	lbs
Load5	Live	Full Area	Yes		40.00 (16.0)*	psf
Load6	Dead	Full Area	No		10.00 (16.0)*	psf
Load7	Wind	Point	No	14.33	-588	lbs
Load9	Wind	Point	No	0.00	-616	lbs
Load10	Dead	Point	No	14.33	137	lbs
Self-weight	Dead	Full UDL	No		3.6	plf

*Tributary Width (in)

Maximum Reactions (lbs), Bearing Capacities (lbs) and Bearing Lengths (in) :



Unfactored:							
Dead			363		230		
Live			412		412		
Wind			-626		-578		
Roof Live			295		263		
Factored:							
Uplift			147		198		
Total			893		736		
Bearing:							
Capacity							
Joist			2437		742		
Anal/Des							
Joist			0.37		0.99		
Load comb			#26		#29		
Length			2.50		0.50*		
Min req'd			0.68		0.50		
Cb			1.15		1.75		
Cb min			1.55		1.75		

*Minimum bearing length setting used: 1/2" for interior supports

Lumber n-ply, S. Pine, No.2, 2x10, 1-ply (1-1/2"x9-1/4")

Supports: All - Non-wood

Floor joist spaced at 16.0" c/c; Total length: 14'-4.0";

Lateral support: top= full, bottom= at supports; Repetitive factor: applied where permitted (refer to online help);

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vaud Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MET2437-MET64-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Analysis vs. Allowable Stress (psi) and Deflection (in) using NDS 2012 :

Criterion	Analysis Value	Design Value	Analysis/Design
Shear	$f_v = 55$	$F_v' = 219$	$f_v/F_v' = 0.25$
Bending(+)	$f_b = 462$	$F_b' = 1472$	$f_b/F_b' = 0.31$
Bending(-)	$f_b = 783$	$F_b' = 786$	$f_b/F_b' = 1.00$
Deflection:			
Interior Live	$0.12 = L/850$	$0.28 = L/360$	0.42
Total	$-0.12 = L/819$	$0.41 = L/240$	0.29
Cantil. Live	$-0.21 = L/169$	$0.20 = L/180$	1.06
Total	$-0.15 = L/247$	$0.30 = L/120$	0.49

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL	CF	Cfu	Cr	Cf _{rt}	Ci	Cn	LC#
F _v '	175	1.25	1.00	1.00	-	-	-	-	1.00	1.00	1.00	3
F _b ' ⁺	750	1.60	1.00	1.00	1.000	1.067	1.00	1.15	1.00	1.00	-	8
F _b ' ⁻	750	1.25	1.00	1.00	0.683	1.067	1.00	1.15	1.00	1.00	-	3
F _{cp} '	565	-	1.00	1.00	-	-	-	-	1.00	1.00	-	-
E'	1.4 million	-	1.00	1.00	-	-	-	-	1.00	1.00	-	8
E _{min} '	0.51 million	-	1.00	1.00	-	-	-	-	1.00	1.00	-	8

CRITICAL LOAD COMBINATIONS:

Shear : LC #3 = $D+0.75(L+L_r)$, V = 548, V design = 505 lbs

Bending(+): LC #8 = $.6D+.6W$, M = 824 lbs-ft

Bending(-): LC #3 = $D+0.75(L+L_r)$, M = 1396 lbs-ft

Deflection: LC #8 = $.6D+.6W$ (live)

LC #28 = (total)

D=dead L=live S=snow W=wind I=impact L_r=roof live L_c=concentrated E=earthquake

All LC's are listed in the Analysis output

Load Patterns: s=S/2, X=L+S or L+L_r, _=no pattern load in this span

Load combinations: ASCE 7-10 / IBC 2012

CALCULATIONS:

Deflection: EI = 139e06 lb-in²

"Live" deflection = Deflection from all non-dead loads (live, wind, snow...)

Total Deflection = 1.00(Dead Load Deflection) + Live Load Deflection.

Design Notes:

1. WoodWorks analysis and design are in accordance with the ICC International Building Code (IBC 2012), the National Design Specification (NDS 2012), and NDS Design Supplement.
2. Please verify that the default deflection limits are appropriate for your application.
3. Continuous or Cantilevered Beams: NDS Clause 4.2.5.5 requires that normal grading provisions be extended to the middle 2/3 of 2 span beams and to the full length of cantilevers and other spans.
4. Sawn lumber bending members shall be laterally supported according to the provisions of NDS Clause 4.4.1.
5. FIRE RATING: Joists, wall studs, and multi-ply members are not rated for fire endurance.
6. The critical deflection value has been determined using maximum back-span deflection. Cantilever deflections do not govern design.

These prints comply with the
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APPROVED BY
 NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vascd Esp.C
Fire Rating of Ext. Walls: 0 hr
Plan No: MET2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC



Load Short Form Entire House AMS of Indiana, Inc.

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



Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph xult 116 vaud Exp C
Fire Rating of Exd. Walls: 0 hr
Plan No.: MET-437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Job: ME764-750-108 FL
Date: 7/19/19
By: AMS of Indiana, Inc.

3933 E. Jackson Blvd., Elkhart, IN 46516 Phone: (574) 293-5526 Fax: (574) 294-1366 Email: eng-ams@comcast.net

Project Information

For: DESTINY HOMES
ME764-750-108 FL

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	54	91	Method	Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	16	16	Fireplaces	0
Daily range	-	L		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	4	67		

HEATING EQUIPMENT

Make	Generic
Trade	
Model	AFUE 100
AHRI ref	
Efficiency	100 AFUE
Heating input	4.2 kW
Heating output	14185 Btuh
Temperature rise	10 °F
Actual air flow	1327 cfm
Air flow factor	0.104 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

COOLING EQUIPMENT

Make	Generic
Trade	
Cond	SEER 13.0
Coil	
AHRI ref	
Efficiency	11.6 EER, 13 SEER
Sensible cooling	29655 Btuh
Latent cooling	7414 Btuh
Total cooling	37069 Btuh
Actual air flow	1327 cfm
Air flow factor	0.045 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	0.75

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
U	101	628	768	66	35
BA2	73	419	667	44	30
B3	161	1194	2014	125	91
B4	165	754	1692	79	76
B2	161	1194	2205	125	99
FAM	291	1249	3565	130	161
DIN	158	785	2425	82	109
LIV	268	1430	5815	149	262
KIT	285	1294	3791	135	171
WIC	48	233	245	24	11
MBR	273	1703	3827	178	173
MBA	235	1148	1574	120	71
LINEN	43	502	437	52	20
WC	19	180	406	19	18

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



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Entire House	2280	12713	29432	1327	1327
Other equip loads		1472	1490		
Equip. @ 0.96 RSM			29655		
Latent cooling			10486		
TOTALS	2280	14185	40141	1327	1327

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vasd Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7-29-2019
Manufacturer: Destiny Industries, LLC

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



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A Mittek® / Berkshire Hathaway Company

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Page 2



Project Summary

Entire House

AMS of Indiana, Inc.

Job: ME764-750-108 FL
Date: 7/19/19
By: AMS of Indiana, Inc.

3933 E. Jackson Blvd., Elkhart, IN 46516 Phone: (574) 293-5526 Fax: (574) 294-1366 Email: eng-ams@comcast.net

Project Information

For: DESTINY HOMES
ME764-750-108 FL

Notes:

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



Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 yard Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Design Information

Weather: Key West/Int., FL, US

Winter Design Conditions

Outside db	54 °F
Inside db	70 °F
Design TD	16 °F

Heating Summary

Structure	7739 Btuh
Ducts	4974 Btuh
Central vent (85 cfm)	1472 Btuh
Outside air	
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	14185 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft ²)	2280	2280
Volume (ft ³)	20520	20520
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	109	55

Heating Equipment Summary

Make	Generic
Trade	
Model	AFUE 100
AHRI ref	
Efficiency	100 AFUE
Heating input	4.2 kW
Heating output	14185 Btuh
Temperature rise	10 °F
Actual air flow	1327 cfm
Air flow factor	0.104 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

Summer Design Conditions

Outside db	91 °F
Inside db	75 °F
Design TD	16 °F
Daily range	L
Relative humidity	50 %
Moisture difference	67 gr/lb

Sensible Cooling Equipment Load Sizing

Structure	22893 Btuh
Ducts	6539 Btuh
Central vent (85 cfm)	1490 Btuh
Outside air	
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.96
Equipment sensible load	29655 Btuh

Latent Cooling Equipment Load Sizing

Structure	3901 Btuh
Ducts	2689 Btuh
Central vent (85 cfm)	3897 Btuh
Outside air	
Equipment latent load	10486 Btuh

Equipment Total Load (Sen+Lat)	40141 Btuh
Req. total capacity at 0.80 SHR	3.1 ton

Cooling Equipment Summary

Make	Generic
Trade	
Cond	SEER 13.0
Coil	
AHRI ref	
Efficiency	11.6 EER, 13 SEER
Sensible cooling	29655 Btuh
Latent cooling	7414 Btuh
Total cooling	37069 Btuh
Actual air flow	1327 cfm
Air flow factor	0.045 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	0.75

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



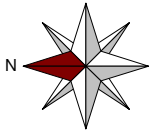
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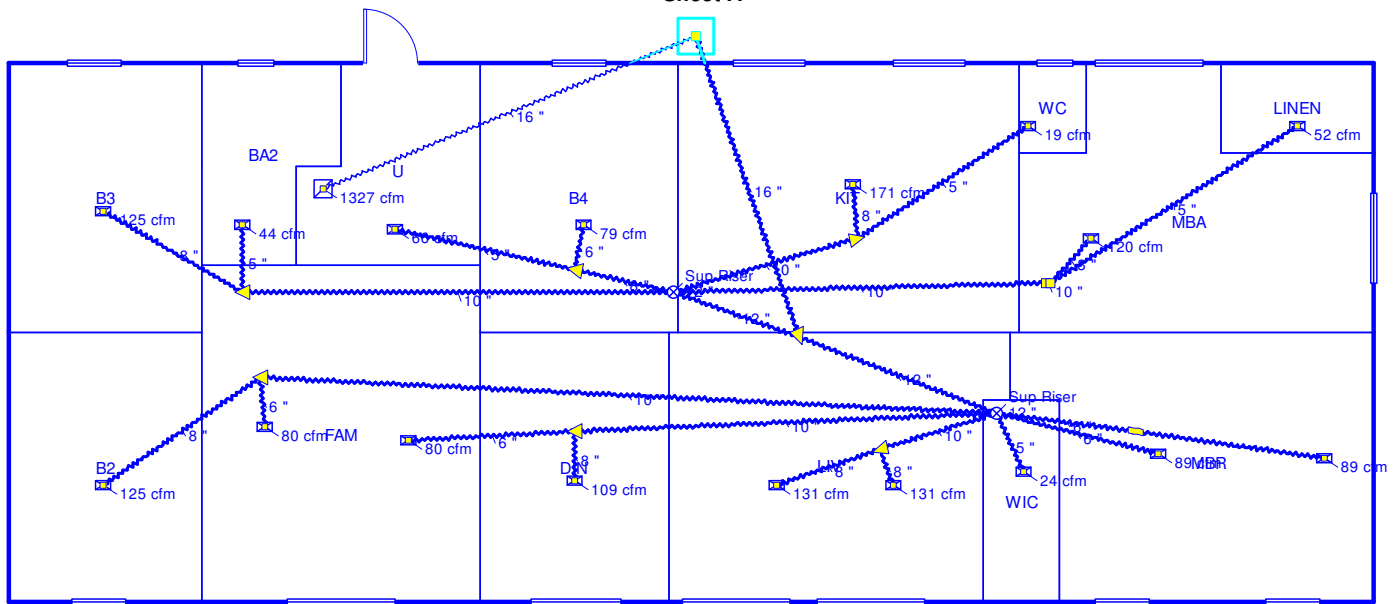
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Page 1



Sheet A



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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vasd Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7-29-2019
Manufacturer: Destiny Industries, LLC

Job #: ME764-750-108 FL
Performed by AMS of Indiana, Inc. for:
DESTINY HOMES
ME764-750-108 FL

AMS of Indiana, Inc.
3933 E. Jackson Blvd.
Elkhart, IN 46516
Phone: (574) 293-5526 Fax: (574) 294-1366
eng-ams@comcast.net

Scale: 1 : 128
Page 1
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...Homes\ME764-750-108 FL(OMIT)...



Duct System Summary

Entire House

AMS of Indiana, Inc.

Job: ME764-750-108 FL
Date: 7/19/19
By: AMS of Indiana, Inc.

3933 E. Jackson Blvd., Elkhart, IN 46516 Phone: (574) 293-5526 Fax: (574) 294-1366 Email: eng-ams@comcast.net

Project Information

For: DESTINY HOMES
ME764-750-108 FL

	Heating	Cooling
External static pressure	0.50 in H ₂ O	0.50 in H ₂ O
Pressure losses	0.30 in H ₂ O	0.30 in H ₂ O
Available static pressure	0.20 in H ₂ O	0.20 in H ₂ O
Supply / return available pressure	0.151 / 0.049 in H ₂ O	0.151 / 0.049 in H ₂ O
Lowest friction rate	0.059 in/100ft	0.059 in/100ft
Actual air flow	1327 cfm	1327 cfm
Total effective length (TEL)		340 ft

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
B2	h 1194	125	99	0.059	8.0	0x0	VIFx	91.2	165.0	st12
B3	h 1194	125	91	0.065	8.0	0x0	VIFx	68.1	165.0	st3
B4	h 754	79	76	0.073	6.0	0x0	VIFx	43.3	165.0	st4
BA2	h 419	44	30	0.066	5.0	0x0	VIFx	62.9	165.0	st3
DIN	c 2425	82	109	0.066	8.0	0x0	VIFx	65.8	165.0	st11
FAM	c 1783	65	80	0.064	6.0	0x0	VIFx	72.3	165.0	st11
FAM-A	c 1783	65	80	0.061	6.0	0x0	VIFx	83.3	165.0	st12
KIT	c 3791	135	171	0.071	8.0	0x0	VIFx	48.8	165.0	st5
LINEN	h 502	52	20	0.059	5.0	0x0	VIFx	72.4	185.0	st7
LIV	c 2908	75	131	0.070	8.0	0x0	VIFx	52.4	165.0	st10
LIV-A	c 2908	75	131	0.071	8.0	0x0	VIFx	48.4	165.0	st10
MBA	h 1148	120	71	0.062	8.0	0x0	VIFx	59.5	185.0	st7
MBR	h 852	89	86	0.071	6.0	0x0	VIFx	57.9	155.0	st8
MBR-A	h 852	89	86	0.078	6.0	0x0	VIFx	48.8	145.0	st8
U	h 628	66	35	0.070	5.0	0x0	VIFx	51.0	165.0	st4
WC	h 180	19	18	0.068	5.0	0x0	VIFx	57.2	165.0	st5
WIC	h 233	24	11	0.081	5.0	0x0	VIFx	43.1	145.0	st8

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vasd Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7-29-2019
Manufacturer: Destiny Industries, LLC

Bold/italic values have been manually overridden



Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.

RE: MONO_PEAK -

MiTek USA, Inc.

16023 Swingley Ridge Rd
Chesterfield, MO 63017
314-434-1200

Site Information:

Customer Info: . Project Name: Model:
Lot/Block: Subdivision:
Address: Address
City: City State: State

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2014/TPI2007 Design Program: MiTek 20/20 7.6
Wind Code: ASCE 7-10 Wind Speed: 150 mph
Roof Load: 34.0 psf Floor Load: N/A psf

This package includes 1 individual, Truss Design Drawings and 0 Additional Drawings.

With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	I30057782	SWM0040A	6/5/17

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



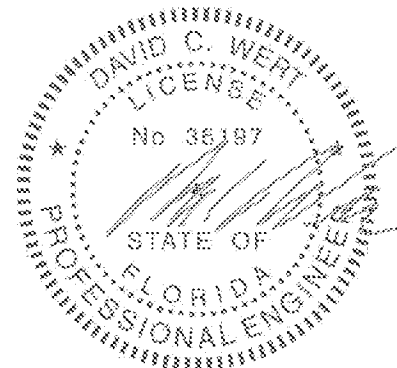
Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vased Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MET2437-ME764-750-108
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Southern Wood Components.

Truss Design Engineer's Name: Wert, David

My license renewal date for the state of Florida is FEBRUARY 28, 2019.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek. Any project specific information included is for MiTek's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



David C. Wert, P.E. No. 36197
MiTek USA, Inc. P.O. Box 6034
16023 Swingley Ridge Road, Chesterfield, MO 63017
USA

June 5, 2017

Wert, David

1 of 1

Job	Truss	Truss Type	Qty	Ply	
MONO_PEAK	SWM0040A	MONO TRUSS	1	1	
Job Reference (optional)					

I30057782

Southern Wood Components, Moultrie, GA 31776

7 640 s Apr 22 2016 MiTek Industries, Inc. Mon Jun 05 13:15:57 2017 Page 1
ID: tRsY1Yajm35jS?BW3tBTZ4ypJku-yD?Fi6WQcm8MmJ0WLHaSql4gTmZiAD7_mkplbQz9K0W

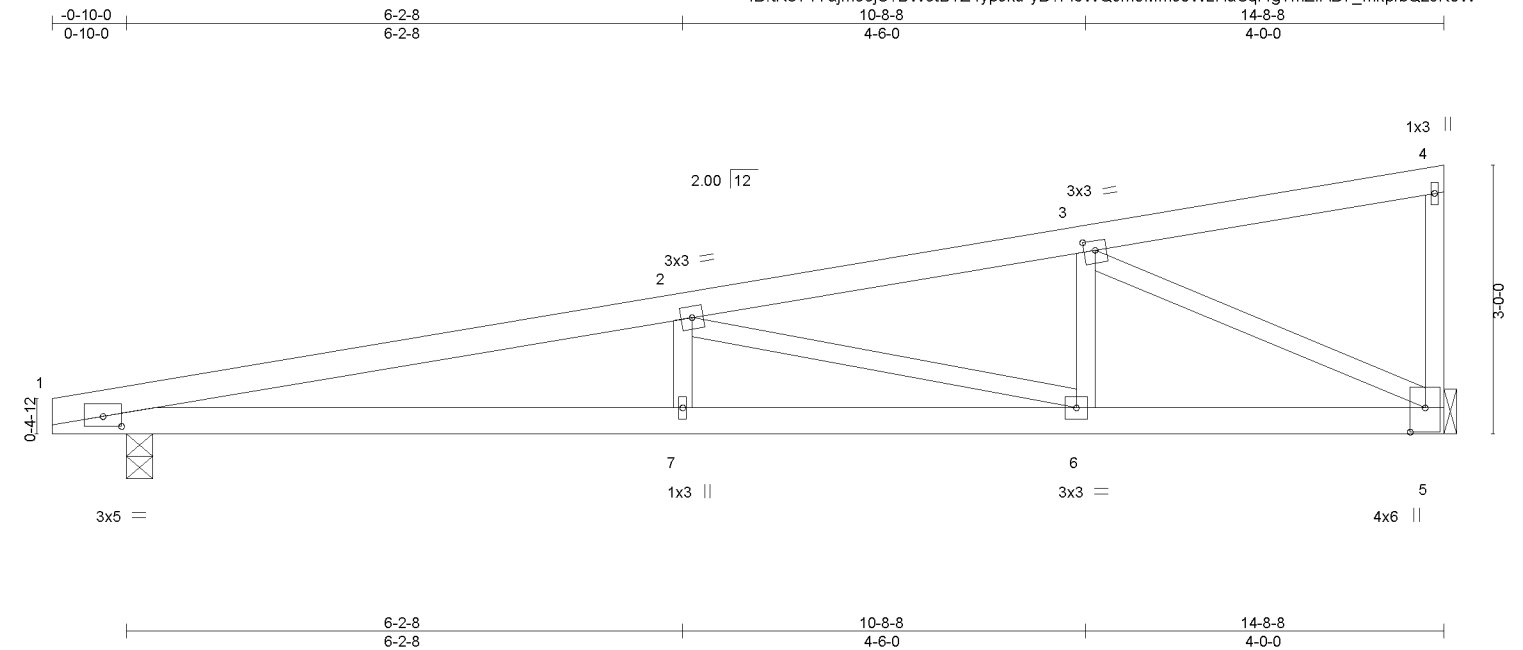


Plate Offsets (X,Y)-- [1:0-2-8,0-1-6], [3:0-1-8,0-1-4], [5:0-3-4,0-2-0]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d
TCLL 20.0	Plate Grip DOL	1.00	TC 0.61	Vert(LL)	0.16 7 >999 240
TCDL 7.0	Lumber DOL	1.00	BC 0.57	Vert(TL)	-0.17 7 >999 180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.40	Horz(TL)	0.03 5 n/a n/a
BCDL 7.0	Code	FBC2014/TPI2007	(Matrix-M)		
			PLATES		GRIP
			MT20		244/190
			Weight: 61 lb		FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x3 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-5-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-14 oc bracing.

REACTIONS. (lb/size) 1=555/0-3-8 (min. 0-1-8), 5=495/Mechanical
Max Horz 1=196(LC 6)
Max Uplift 1=-462(LC 6), 5=-447(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-1456/1372, 2-3=-786/721
BOT CHORD 1-7=-1508/1407, 6-7=-1506/1408, 5-6=-800/761
WEBS 3-6=-176/293, 3-5=-857/900, 2-6=-677/737

NOTES-

- 1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=116mph; TCDL=4.2psf; BCDL=4.2psf; h=33ft; B=49ft; L=15ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 462 lb uplift at joint 1 and 447 lb uplift at joint 5.
- 5) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 150 mph vult 116 vasd Exp C
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT2437-ME764-750-108
Allow. Floor Load: 20 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries, LLC

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



16023 Swingley Ridge Rd
Chesterfield, MO 63017

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st3	Peak AVF	168	121	0.065	309	10.0	0 x 0	VinlFlx	st2
st4	Peak AVF	144	111	0.070	413	8.0	0 x 0	VinlFlx	st2
st5	Peak AVF	154	189	0.068	347	10.0	0 x 0	VinlFlx	st2
st6	Peak AVF	172	91	0.059	316	10.0	0 x 0	VinlFlx	st2
st7	Peak AVF	172	91	0.059	316	10.0	0 x 0	VinlFlx	st6
st10	Peak AVF	149	262	0.070	481	10.0	0 x 0	VinlFlx	st8
st11	Peak AVF	147	190	0.064	348	10.0	0 x 0	VinlFlx	st8
st12	Peak AVF	190	180	0.059	348	10.0	0 x 0	VinlFlx	st8
st2	Peak AVF	639	512	0.059	813	12.0	0 x 0	VinlFlx	st1
st1	Peak AVF	1327	1327	0.059	950	16.0	0 x 0	VinlFlx	st1
st8	Peak AVF	688	815	0.059	1038	12.0	0 x 0	VinlFlx	st1

Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x 0	1327	1327	82.4	0.059	950	16.0	0x 0		VIFx	

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



Const. Type: VB Unprotected
 Occupancy: Single Family Dwelling
 Allowable No. of Floors: One
 Wind Velocity: 150 mph vult 116 vascd Exp.C
 Fire Rating of Ext. Walls: 0 hr
 Plan No.: ME764-750-108
 Allow. Floor Load: 40 PSF
 Approval Date: 7/29/2019
 Manufacturer: Destiny Industries, LLC

Bold/italic values have been manually overridden



wrightsoft®
A Mittek® / Berkshire Hathaway Company

Right-Suite® Universal 2018 18.0.32 RSU02009

F:\DS\Destiny Homes\ME764-750-108 FL(OMIT).rup Calc = MJ8 Front Door faces: N

2019-Jul-19 12:47:20

Page 2

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administration Code 61G20-3.006, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a permit. We recommend you contact your local supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	KINRO	EXTERIOR DOOR	FL 16170 R3
B. SLIDING	KINRO	SLIDING DOORS	FL 2865.2 R11
C. SECTIONAL	NA	NA	NA
D. ROLL UP	NA	NA	NA
E. AUTOMATIC	NA	NA	NA
F. OTHER	NA	NA	NA
2. WINDOWS			
A. SINGLE HUNG	KINRO	WINDOW	FL 993.2 R16
B. HORIZONTAL SLIDER	NA	NA	NA
C. CASEMENT	NA	NA	NA
D. DOUBLE HUNG	NA	NA	NA
E. FIXED	NA	NA	NA
F. AWNING	NA	NA	NA
G. PASS THROUGH	NA	NA	NA
H. PROJECTED	NA	NA	NA
I. MULLION	NA	NA	NA
J. WIND BREAKER	NA	NA	NA
K. DUAL ACTION	NA	NA	NA
L. IMPACT WINDOWS	NA	NA	NA
3. PANEL WALL			
A. SIDING	JAMES HARDI	HARDI PANELS	FL 13192.1 R5
B. SOFFITS	JAMES HARDI	HARDI SOFFIT PANEL	FL 13265.1 R3
C. SHAKE	NA	NA	NA
D. STOREFRONTS	NA	NA	NA
E. CURTAIN WALLS	NA	NA	NA
F. WALL LOUVER	NA	NA	NA
G. GLASS BLOCK	NA	NA	NA
H. MEMBRANE	NA	NA	NA
I. GREENHOUSE	NA	NA	NA
J. VINYL SIDING	NA	NA	NA
K. SIDING OPTIONAL	NA	NA	NA
4. ROOFING PROD.			
A. ASPHALT SHINGLES	OWENS CORNING	OAKRIDGE PRO 30	FL 10674 R13
B. UNDERLAYMENT	ROBETEX INC	UNDERLAYMENT	FL 17194-R2
C. ROOFING FASTENING	SIMPSON	SIMPSON H2.5A	FL10456.2-R4
D. ROOF FASTENING	SIMPSON	SIMPSON LSTA	FL 10852.5-R4
E. METAL ROOF	UNION CORRUGATING	METAL ROOF	FL 20484.2 R1
F. ROOFING TILES	NA	NA	NA
G. ROOFING INSULATION	KNAUF	ROLLED INSULATION	NA
H. WATERPROOFING	TARCO	ICE AND SHEILD ARMOR	FL 10450 R10
I. BUILT UP ROOFING ROOF SYSTEMS	NA	NA	NA
J. RIDGE VENT	GAF	RIDGE VENT	FL6267-R15
K. SGL PLY ROOF SYSTEM	NA	NA	NA
L. ROOFING SLATE	NA	NA	NA

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

APPROVED BY
NIA INC.

Const. Type: VB Unprotected
Occupancy: Single Family Dwelling
Allowable No. of Floors: One
Wind Velocity: 140 mph with 116 mph Ex. C
Fire Rating of Ext. Walls: 0 hr
Plan No.: 2011-237-2017-082
Allow. Floor Load: 40 PSF
Approval Date: 7/29/2019
Manufacturer: Destiny Industries

M. CEMENTS-ADHESIVES COATING	DAP	TAR IN TUBE	??
Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
N. LIQUID APPLIED ROOF SYSTEMS	NA	NA	NA
O. ROOF TILE ADHESIVE	NA	NA	NA
P. SPRAY APPLIED POLYURETHANE ROOF	NA	NA	NA
Q. OTHER	NA	NA	NA
5. SHUTTERS			
A. ACCORDION	NA	NA	NA
B. BAHAMA	NA	NA	NA
C. STORM PANELS	NA	NA	NA
D. COLONIAL	NA	NA	NA
E. ROLL-UP	NA	NA	NA
F. EQUIPMENT	NA	NA	NA
G. OTHERS	MID ATLANTIC	LOUVERED	NA
	NA	NA	NA
6. SKYLIGHTS	NA	NA	NA
A. SKYLIGHTS	NA	NA	NA
B. OTHER	NA	NA	NA
7. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS / ANCHORS	SIMPSON	LSTA12 STRONG TIE	FL 10852.5-R4
B. TRUSS PLATES	MITEK	MT20	FL 2197.4 R6
C. ENGINEERED LUMBER	NA	NA	NA
D. RAILING	NA	NA	NA
E. COOLERS- FREEZERS	NA	NA	NA
F. CONCRETE ADMIXTURES	NA	NA	NA
G. MATERIAL	NA	NA	NA
H. INSULATION FORMS	NA	NA	NA
I. PLASTICS	NA	NA	NA
J. DECK ROOF	NORBOARD	OSB	??
K. WALL	NA	NA	NA
L. SHEDS	NA	NA	NA
M. OTHER	NA	NA	NA
8. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			
B.			

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

Const. Type: VB Unprotected

Occupancy: Single Family Dwelling

Allowable No. of Floors: One

Wind Velocity: 150 mph vmt 116 vwd Exp. C

Fire Rating of Ext. Walls: 0 hr

Plan No.: MFT2437-ME764-750-108

Allow. Floor Load: 40 PSF

Approval Date: 7/29/2019

Manufacturer: Destiny Industries, LLC

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 on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further I. understand these products may have been removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE

X

July Bo

DATE :

7/26/19